

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063950.D
 Acq On : 14 Oct 2019 12:22
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:54:26 AM

Quant Time: Oct 14 17:16:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	187267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	291859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	294837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168528	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	91538	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.92	113	92634	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.34	98	391939	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.63	95	137142	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	57900	43.598	ug/l	88
3) Chloromethane	2.21	50	190262	53.329	ug/l	98
4) Vinyl Chloride	2.35	62	219881	51.227	ug/l	100
5) Bromomethane	2.77	94	126732	45.926	ug/l	93
6) Chloroethane	2.92	64	143652	50.606	ug/l	90
7) Trichlorofluoromethane	3.27	101	299812	52.830	ug/l	99
8) Diethyl Ether	3.71	74	43267	47.500	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78741	50.125	ug/l	96
10) Methyl Iodide	4.29	142	105525	48.751	ug/l	97
11) Tert butyl alcohol	5.25	59	27065m	212.478	ug/l	
12) 1,1-Dichloroethene	4.06	96	76840	48.960	ug/l	94
13) Acrolein	3.92	56	34754	213.430	ug/l	99
14) Allyl chloride	4.70	41	124054	47.543	ug/l	98
15) Acrylonitrile	5.43	53	97564	242.941	ug/l	97
16) Acetone	4.16	43	124459	262.199	ug/l	98
17) Carbon Disulfide	4.40	76	264906	46.433	ug/l #	94
18) Methyl Acetate	4.71	43	44247	47.659	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	199175	49.009	ug/l	99
20) Methylene Chloride	4.96	84	101490	48.070	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	99350	50.850	ug/l	98
22) Diisopropyl ether	6.37	45	272488	51.132	ug/l	98
23) Vinyl Acetate	6.31	43	798261	251.803	ug/l	99
24) 1,1-Dichloroethane	6.26	63	167053	50.892	ug/l	97
25) 2-Butanone	7.22	43	143036	254.268	ug/l	92
26) 2,2-Dichloropropane	7.21	77	147690	49.739	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	113738	51.432	ug/l	96
28) Bromochloromethane	7.55	49	72360	57.685	ug/l	99
29) Tetrahydrofuran	7.57	42	76121	231.833	ug/l	98
30) Chloroform	7.71	83	180107	50.519	ug/l	96
31) Cyclohexane	7.98	56	151166	56.196	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	163601	53.495	ug/l	97
36) 1,1-Dichloropropene	8.11	75	141006	52.840	ug/l	97
37) Ethyl Acetate	7.30	43	53218	49.711	ug/l #	94
38) Carbon Tetrachloride	8.10	117	145749	54.048	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	172419	52.549	ug/l	92
40) Benzene	8.35	78	408843	53.463	ug/l	99
41) Methacrylonitrile	7.53	41	30519	49.328	ug/l	93
42) 1,2-Dichloroethane	8.43	62	111632	50.465	ug/l	100
43) Isopropyl Acetate	8.46	43	106246	47.475	ug/l	99
44) Trichloroethene	9.11	130	115324	52.297	ug/l	99
45) 1,2-Dichloropropane	9.39	63	98376	52.557	ug/l	97
46) Dibromomethane	9.47	93	57154	53.615	ug/l	100
47) Bromodichloromethane	9.67	83	142941	52.082	ug/l #	93
48) Methyl methacrylate	9.46	41	48501	45.232	ug/l	92
49) 1,4-Dioxane	9.47	88	15739	1081.656	ug/l	87
51) 4-Methyl-2-Pentanone	10.23	43	282199	243.141	ug/l	98
52) Toluene	10.41	92	281154	53.556	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	139043	51.917	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	164304	53.296	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	80643	53.578	ug/l	93
56) Ethyl methacrylate	10.67	69	95690	50.203	ug/l	98
57) 1,3-Dichloropropane	10.95	76	135426	52.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	204746	249.906	ug/l	99
59) 2-Hexanone	10.99	43	210907	251.207	ug/l	99
60) Dibromochloromethane	11.14	129	104656	53.408	ug/l	97
61) 1,2-Dibromoethane	11.25	107	79144	54.239	ug/l	99
64) Tetrachloroethene	10.87	164	107240	53.279	ug/l	91
65) Chlorobenzene	11.67	112	321303	54.264	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	119138	54.605	ug/l	96
67) Ethyl Benzene	11.75	91	566256	53.036	ug/l	95
68) m/p-Xylenes	11.86	106	450304	109.269	ug/l	100
69) o-Xylene	12.18	106	208309	52.789	ug/l	97
70) Styrene	12.20	104	360965	54.035	ug/l	100
71) Bromoform	12.36	173	64944	55.465	ug/l #	98
73) Isopropylbenzene	12.48	105	575324	50.782	ug/l	98
74) N-amyl acetate	12.29	43	111093	45.545	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	90297	45.802	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	75984m	67.317	ug/l	
77) Bromobenzene	12.76	156	141449	50.113	ug/l	97
78) n-propylbenzene	12.82	91	670102	50.390	ug/l	99
79) 2-Chlorotoluene	12.91	91	359136	48.978	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	484116	51.220	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	30288	47.484	ug/l	98
82) 4-Chlorotoluene	13.01	91	382600	49.187	ug/l	99
83) tert-Butylbenzene	13.23	119	425134	50.540	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	496243	50.928	ug/l	100
85) sec-Butylbenzene	13.40	105	597435	52.591	ug/l	100
86) p-Isopropyltoluene	13.52	119	566985	52.745	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	283976	50.917	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	282082	51.268	ug/l	97
89) n-Butylbenzene	13.84	91	517933	51.762	ug/l	98
90) Hexachloroethane	14.11	117	100094	51.772	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	245712	51.123	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14560	47.407	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	188436	50.811	ug/l	98
94) Hexachlorobutadiene	15.27	225	107480	52.518	ug/l	98
95) Naphthalene	15.41	128	315957	50.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	161339	50.423	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

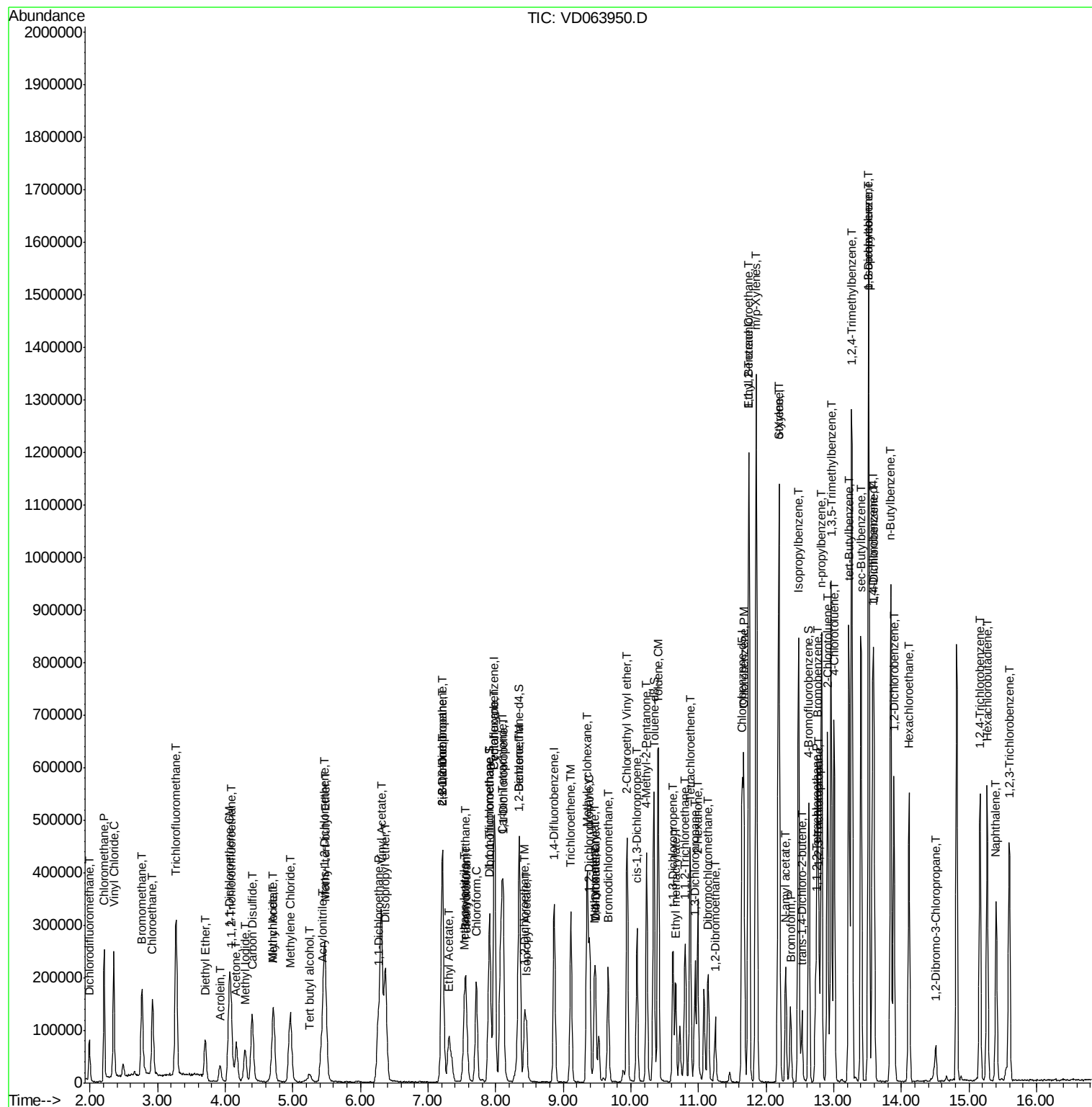
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101419\
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Acq On : 14 Oct 2019 12:22
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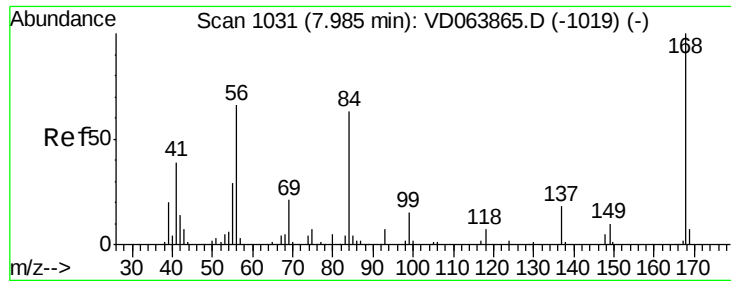
Instrument :
MSVOA_D
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Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 187267

Ion Ratio Lower Upper

168 100

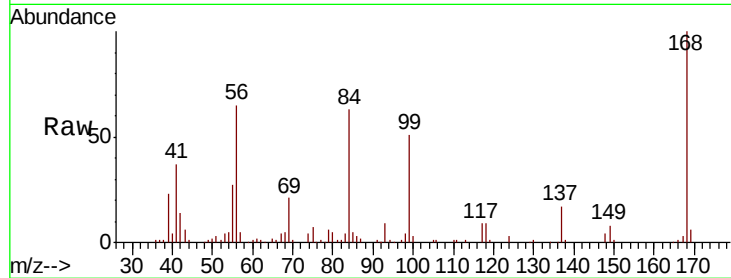
99 50.6 43.0 64.4

Manual Integrations

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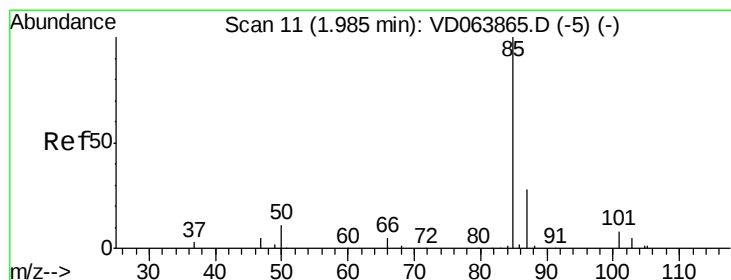
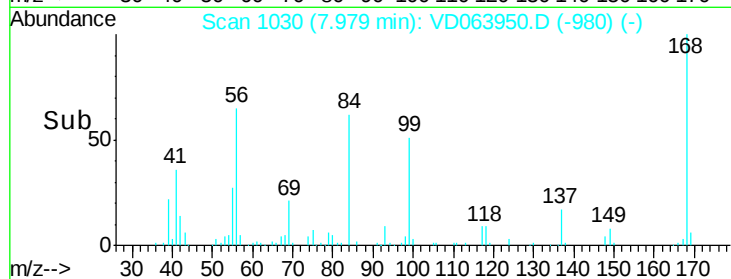
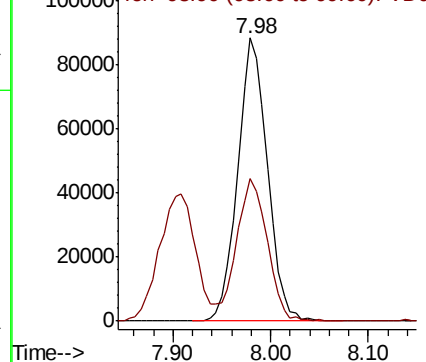
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10/16/2019 12:54:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.598 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063950.D

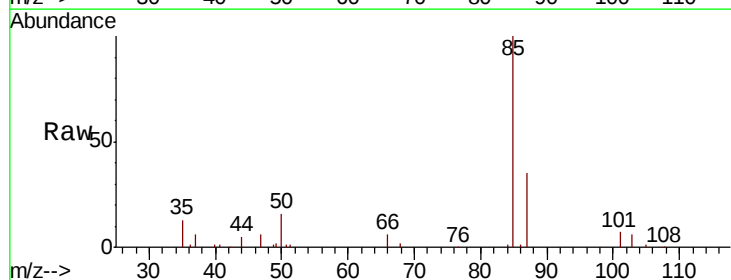
Acq: 14 Oct 2019 12:22

Tgt Ion: 85 Resp: 57900

Ion Ratio Lower Upper

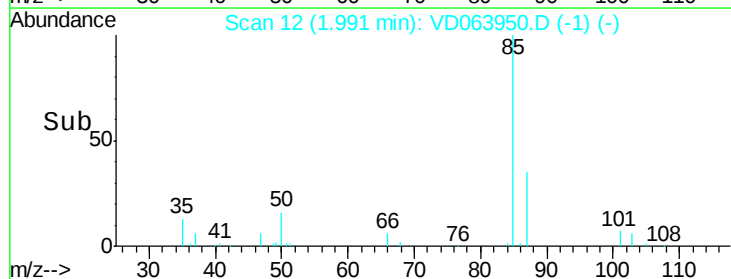
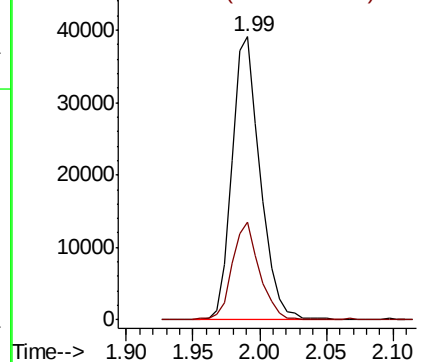
85 100

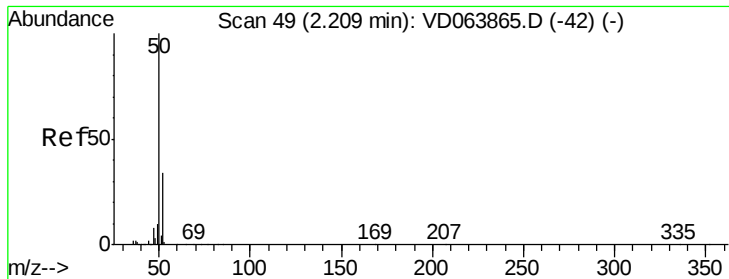
87 34.5 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.329 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 190262

Ion Ratio Lower Upper

50 100

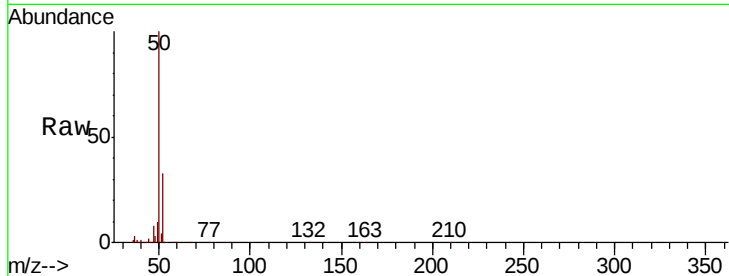
52 33.1 27.5 41.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

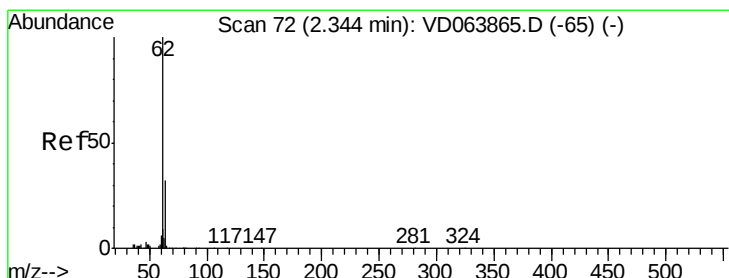
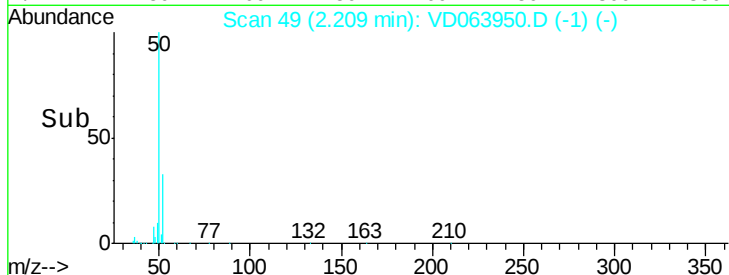
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.227 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063950.D

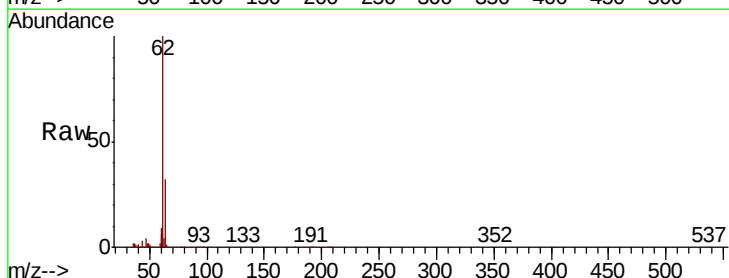
Acq: 14 Oct 2019 12:22

Tgt Ion: 62 Resp: 219881

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

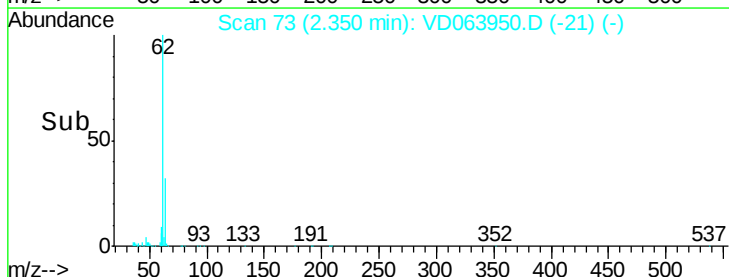
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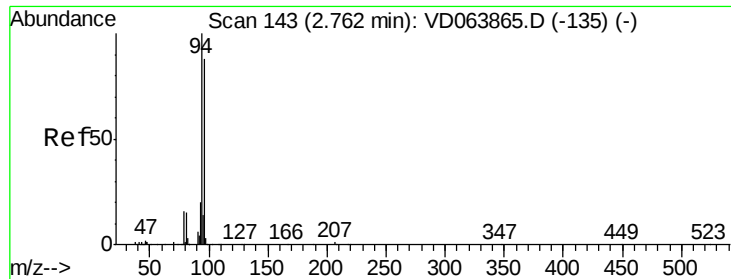
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50000

0

Time-->





#5

Bromomethane

Concen: 45.926 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 126732

Ion Ratio Lower Upper

94 100

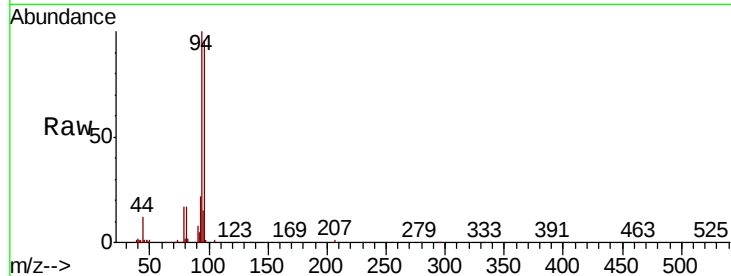
96 94.7 70.8 106.2

Manual Integrations

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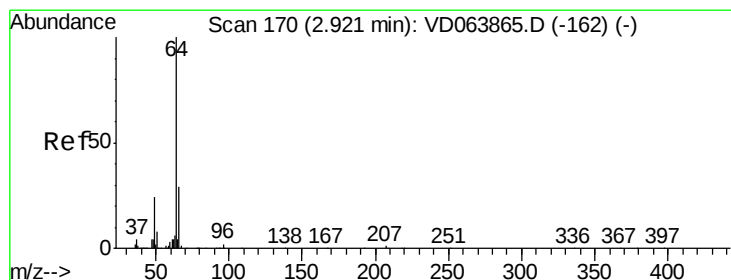
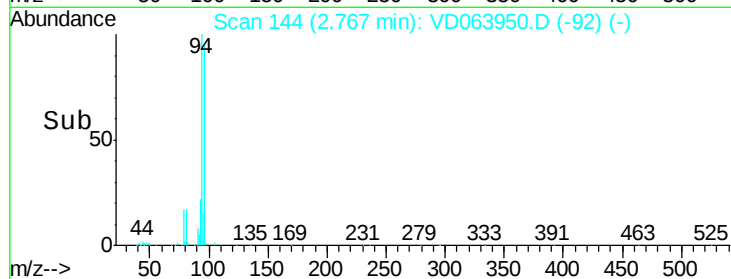
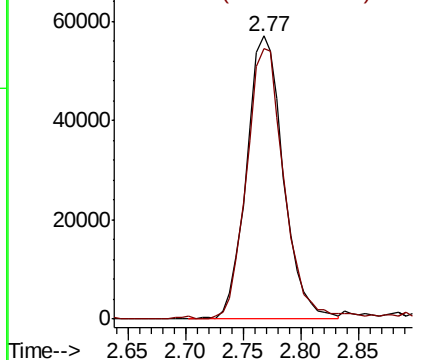
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.606 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063950.D

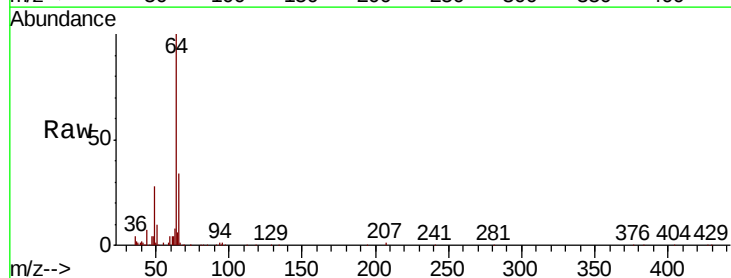
Acq: 14 Oct 2019 12:22

Tgt Ion: 64 Resp: 143652

Ion Ratio Lower Upper

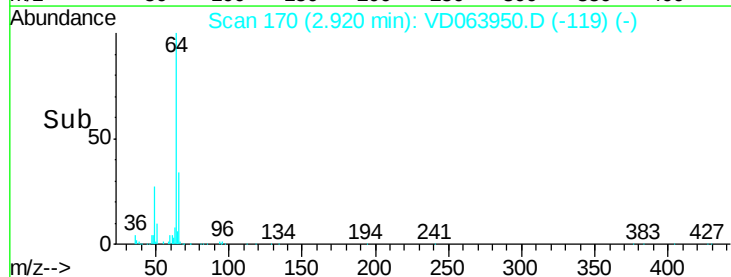
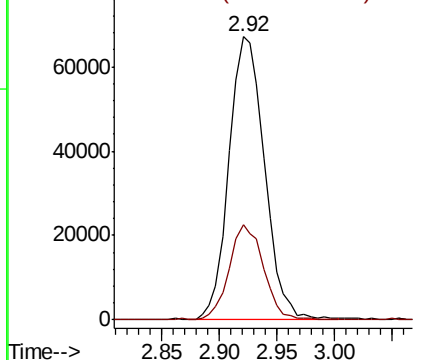
64 100

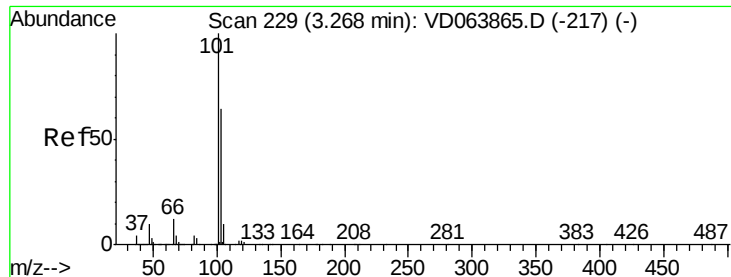
66 33.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

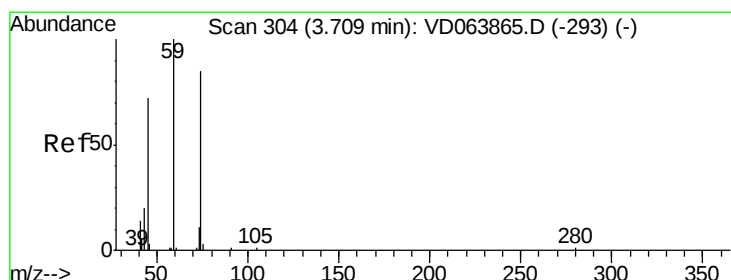
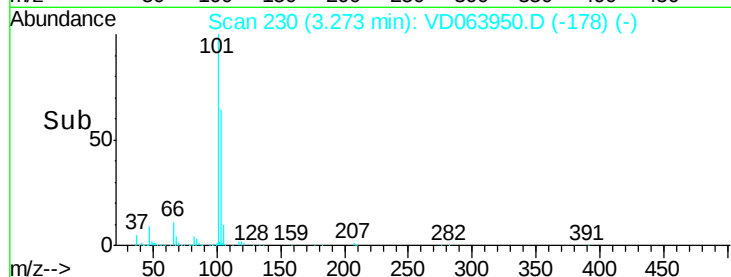
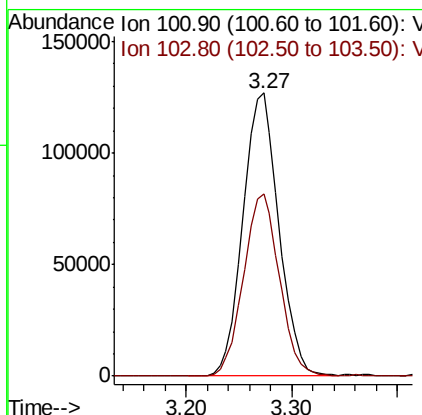
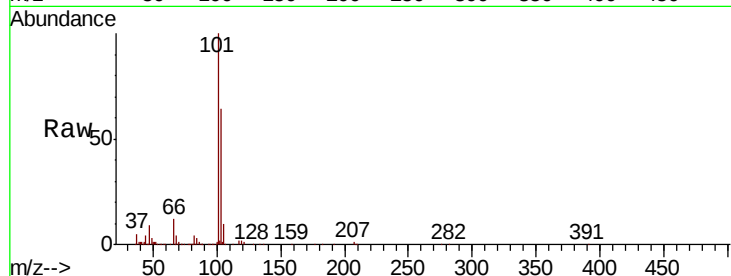
Trichlorofluoromethane
Concen: 52.830 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	299812		
103	64.3	51.1	76.7	

Manual Integrations
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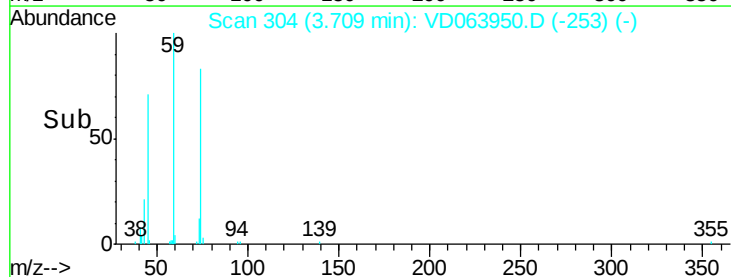
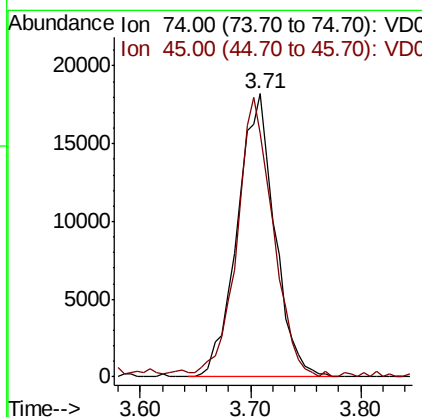
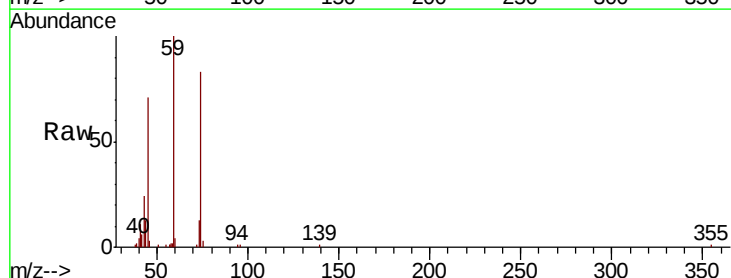
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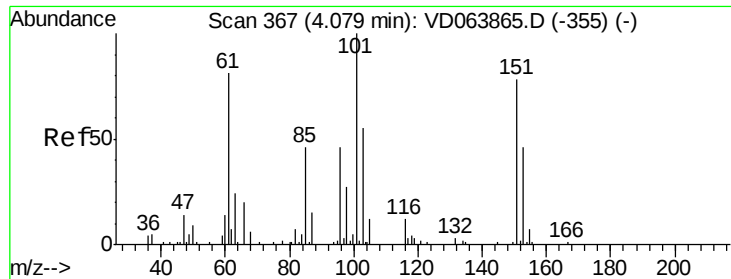


#8

Diethyl Ether
Concen: 47.500 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43267		
45	94.9	48.1	144.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.125 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

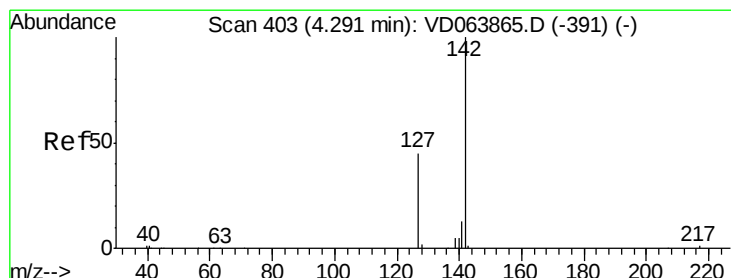
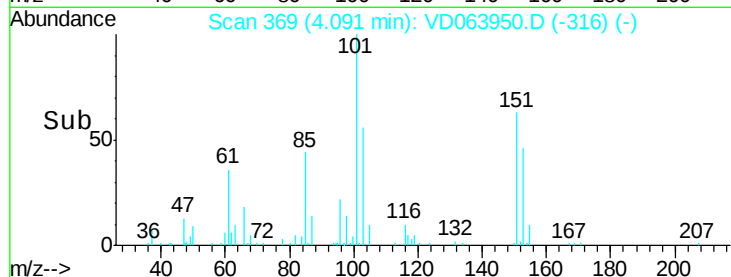
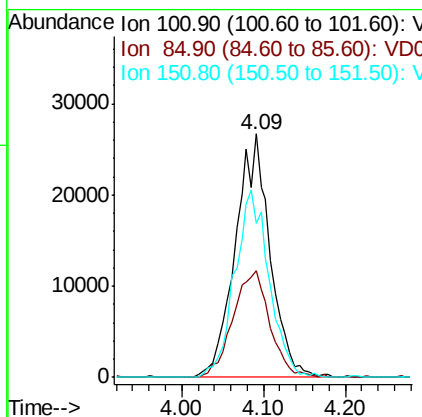
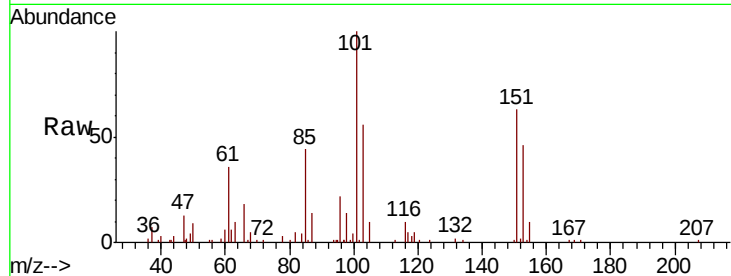
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	78741
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.5	56.3
151	76.0	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 48.751 ug/l

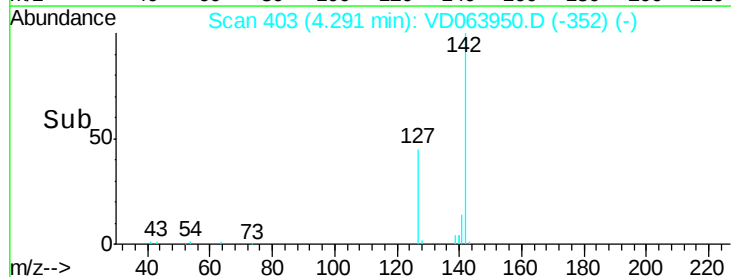
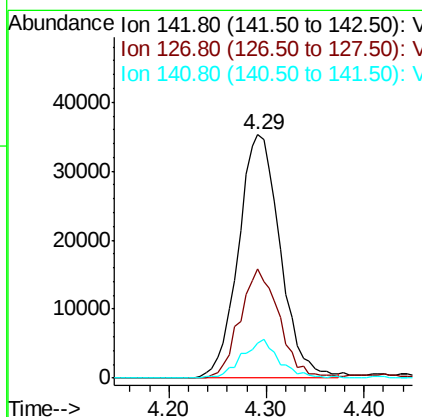
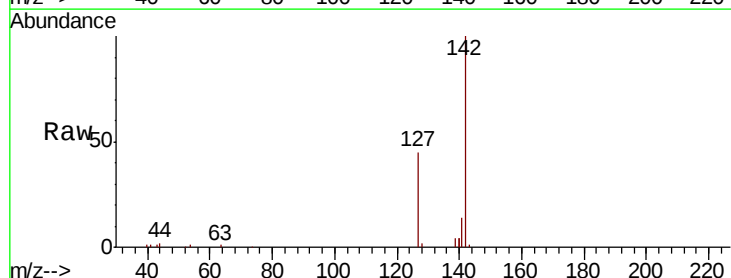
RT: 4.29 min Scan# 403

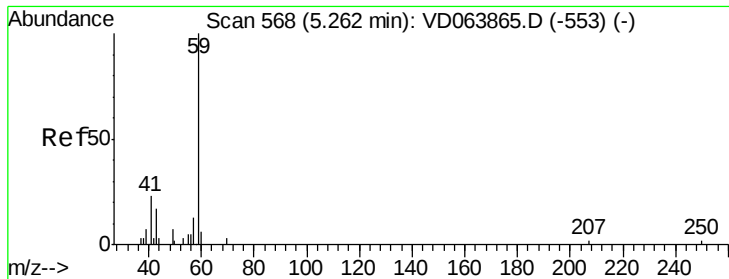
Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion:	142	Resp:	105525
Ion Ratio	Lower	Upper	
142	100		
127	42.2	35.3	52.9
141	14.3	12.2	18.2





#11

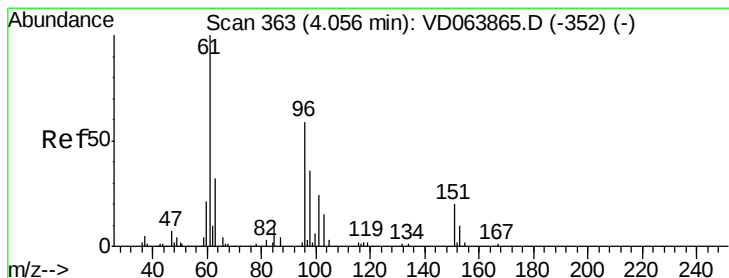
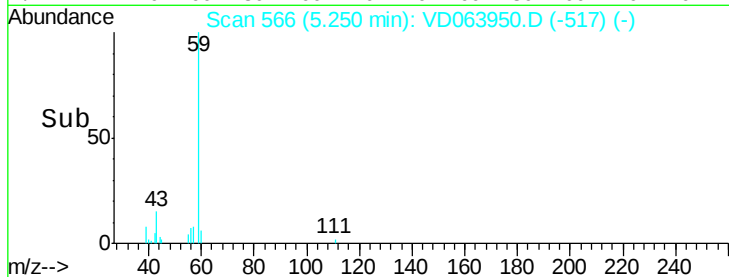
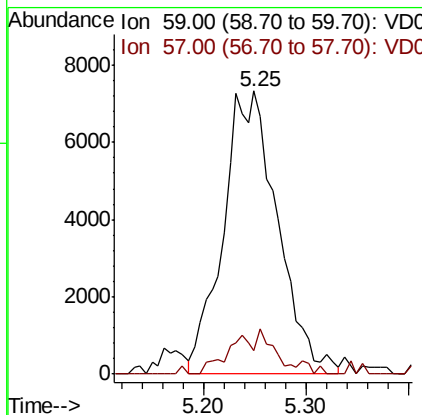
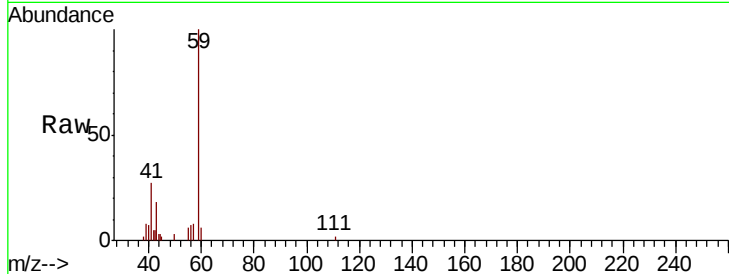
Tert butyl alcohol
 Concen: 212.478 ug/l m
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	57	Ratio	100	6.9	Resp:	27065	Lower	Upper
59	100								
57		6.9				8.8		13.2#	

Manual Integrations
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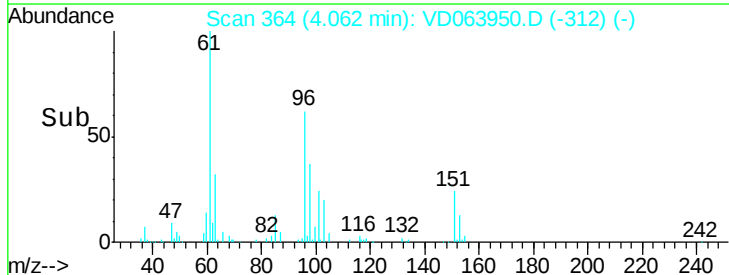
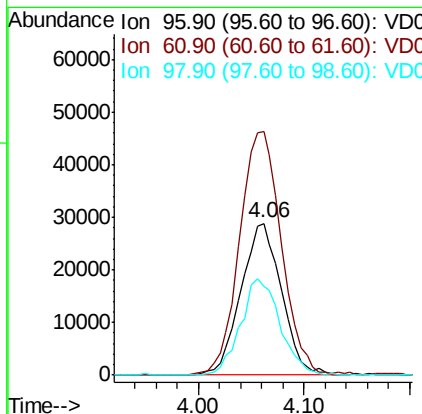
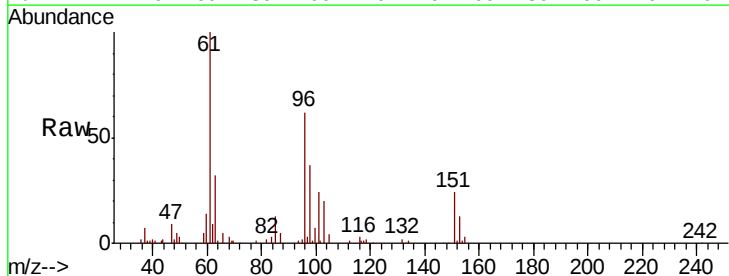
MMDadoda
 10/16/2019 12:54:26 AM

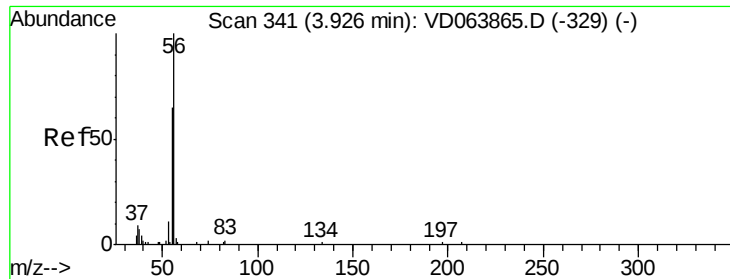


#12

1,1-Dichloroethene
 Concen: 48.960 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion	96	61	98	Ratio	100	159.9	58.8	Resp:	76840	Lower	Upper
96	100										
61		159.9				135.6				203.4	
98			58.8				49.2				73.8





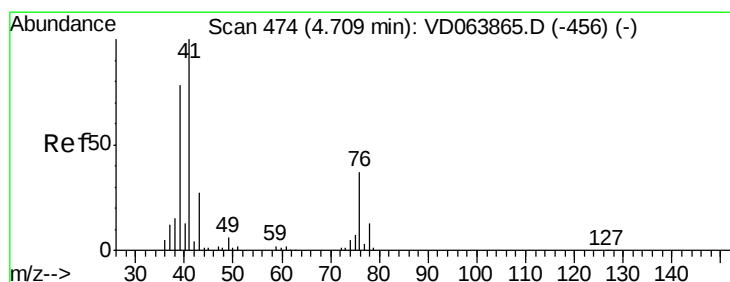
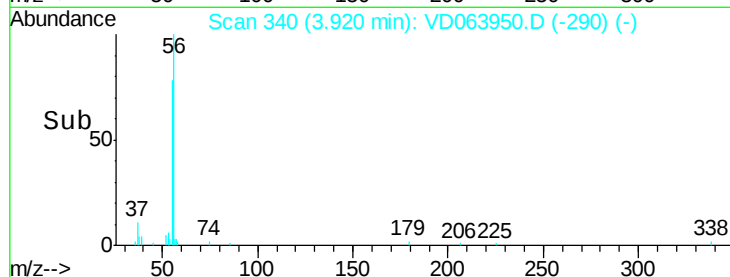
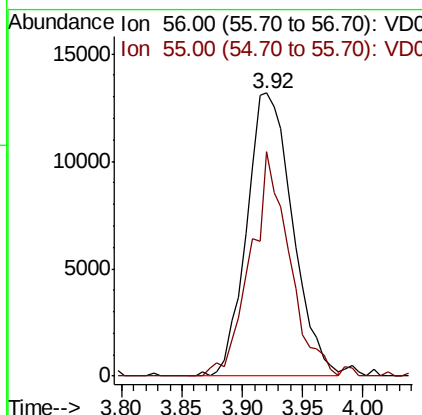
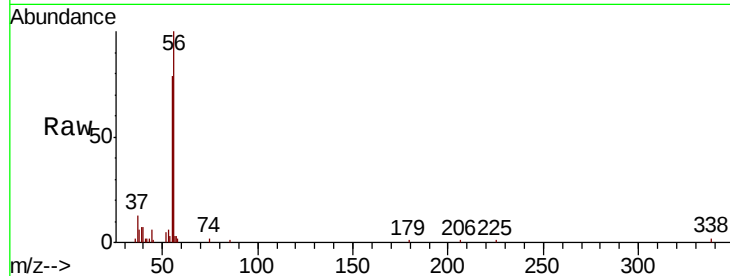
#13
Acrolein
Concen: 213.430 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	34754
Ion Ratio	100	Lower	Upper
55	66.9	53.0	79.6

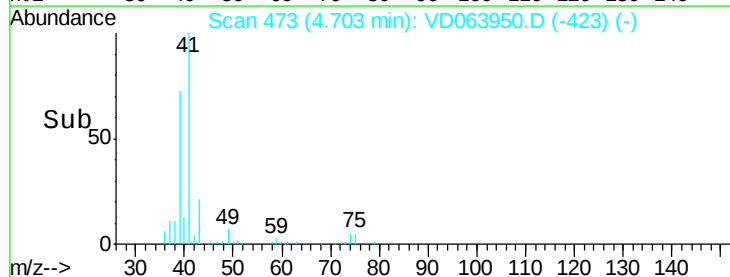
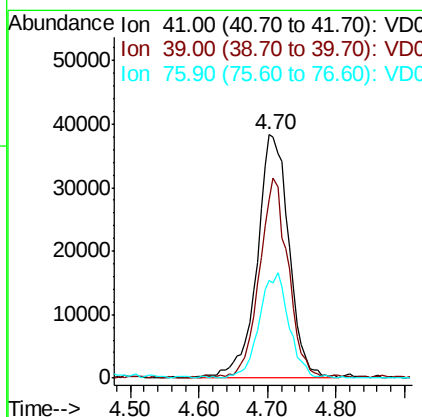
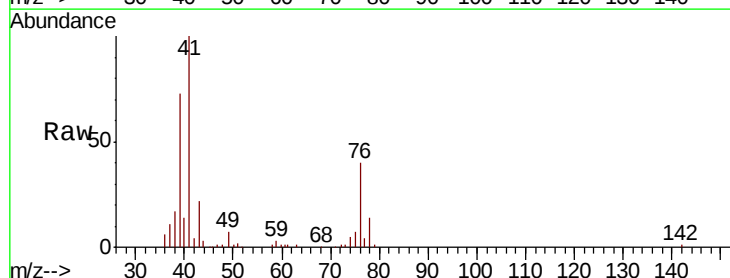
Manual Integrations
APPROVED

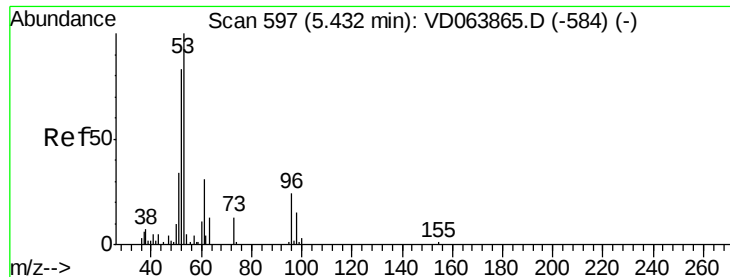
MMDadoda
10/16/2019 12:54:26 AM



#14
Allyl chloride
Concen: 47.543 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	41	Resp	124054
Ion Ratio	100	Lower	Upper
39	74.8	61.8	92.6
76	40.0	31.3	46.9





#15

Acrylonitrile

Concen: 242.941 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

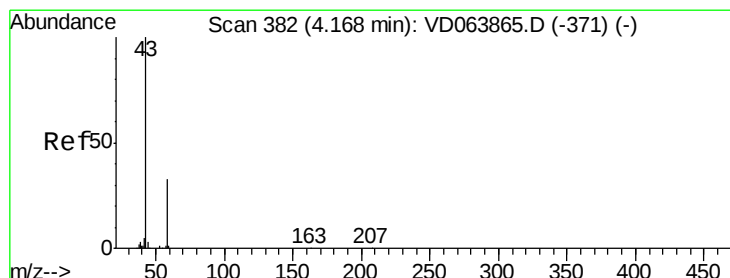
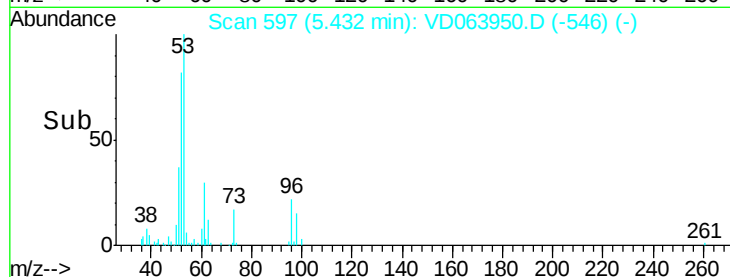
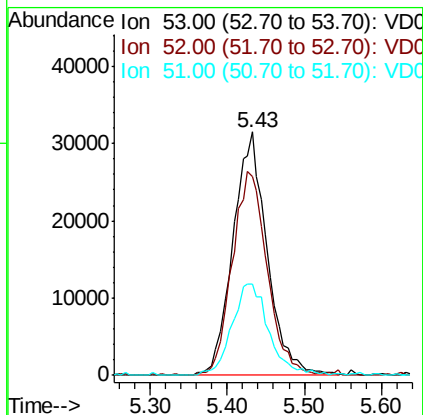
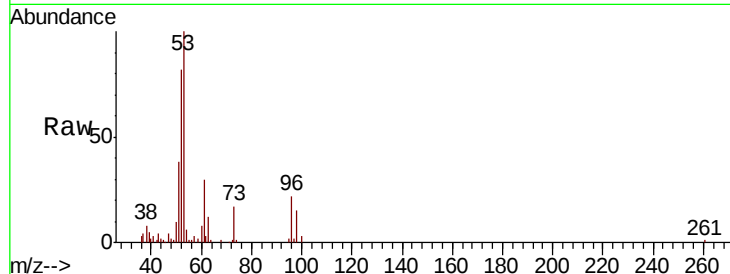
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	97564
Ion	Ratio	Lower	Upper
53	100		
52	85.9	67.3	100.9
51	40.6	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:54:26 AM



#16

Acetone

Concen: 262.199 ug/l

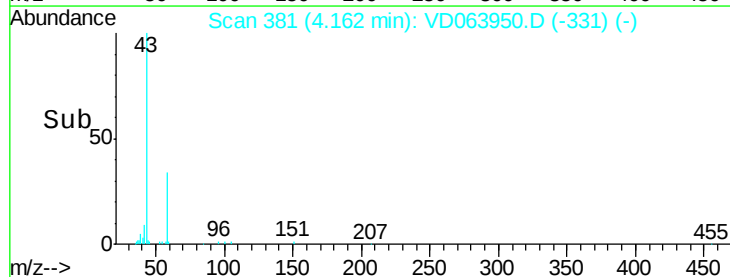
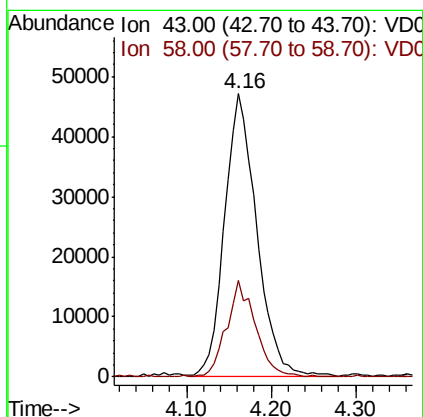
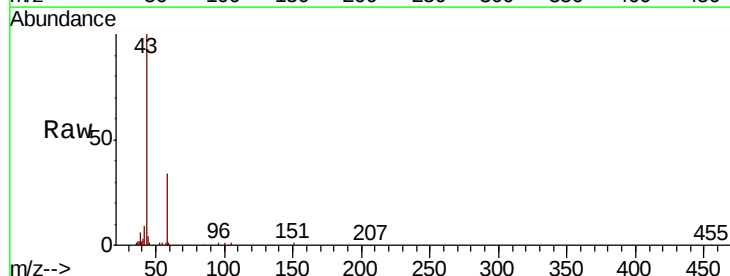
RT: 4.16 min Scan# 381

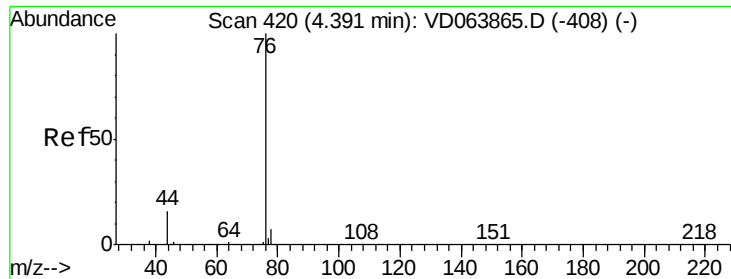
Delta R.T. -0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion:	43	Resp:	124459
Ion	Ratio	Lower	Upper
43	100		
58	34.0	26.2	39.4





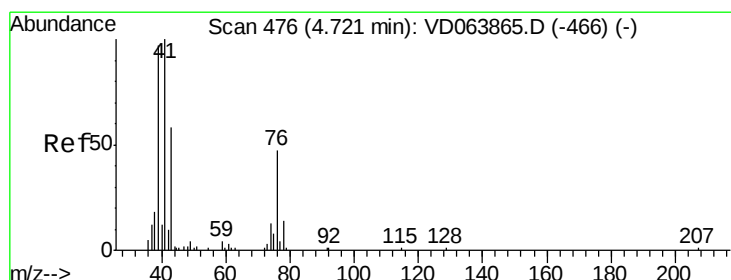
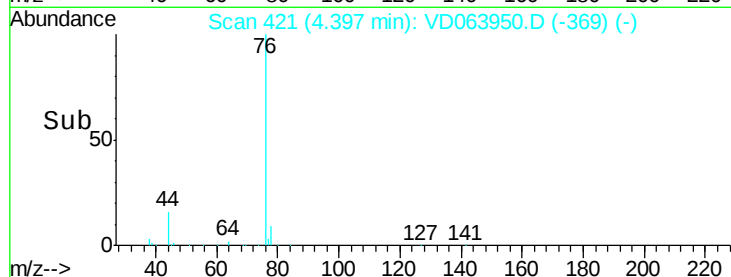
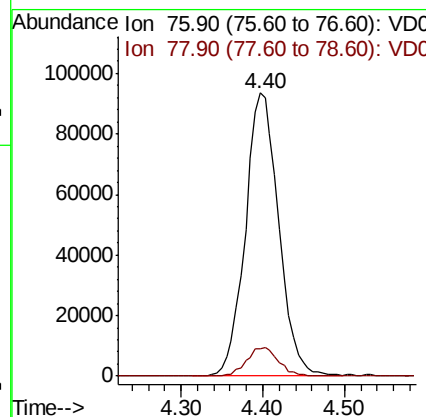
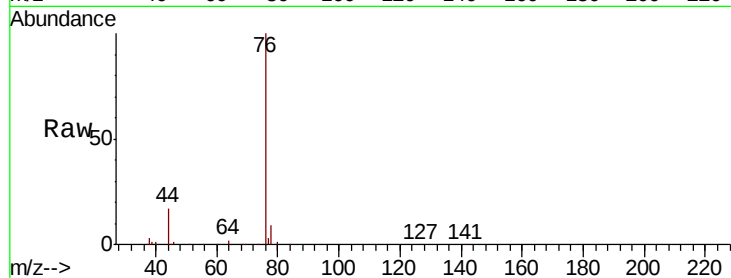
#17
Carbon Disulfide
Concen: 46.433 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	5.8	8.8#

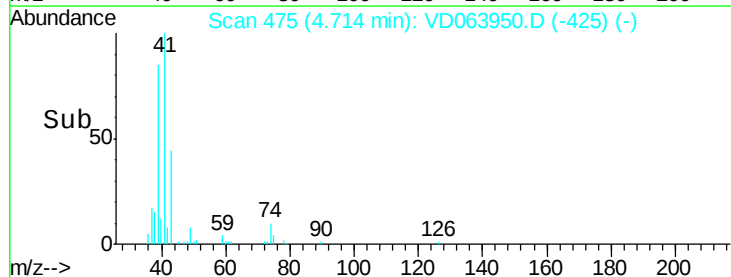
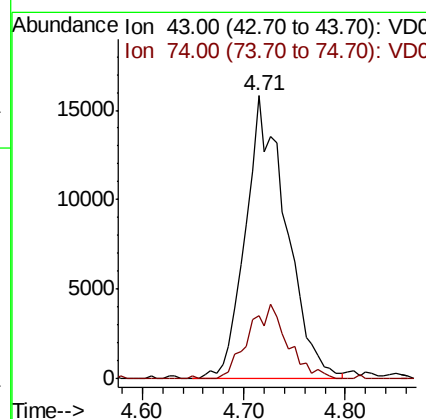
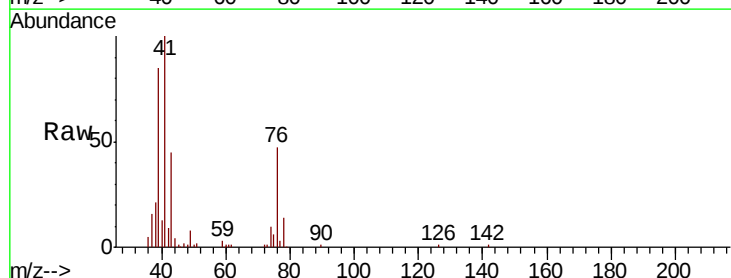
Manual Integrations
APPROVED

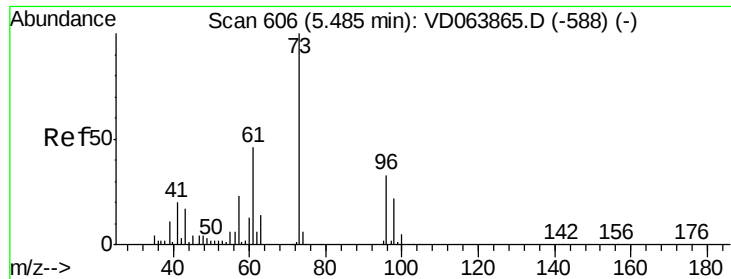
MMDadoda
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#18
Methyl Acetate
Concen: 47.659 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.8	31.2





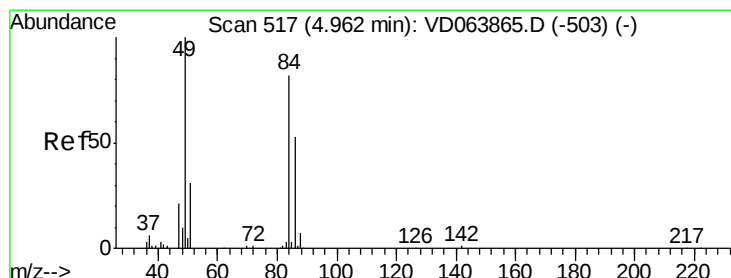
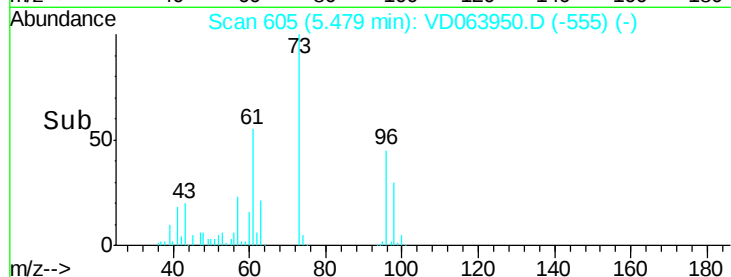
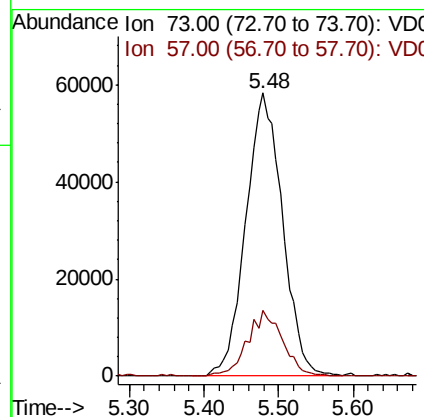
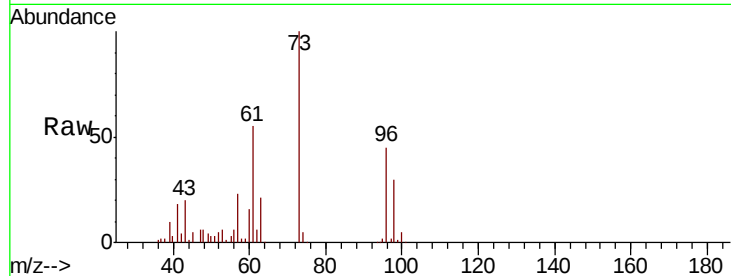
#19
Methvl tert-butvl Ether
Concen: 49.009 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 199175
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1

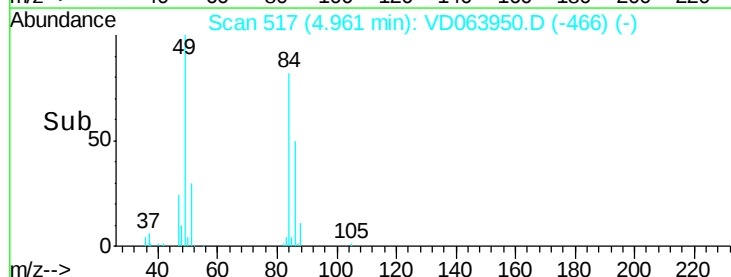
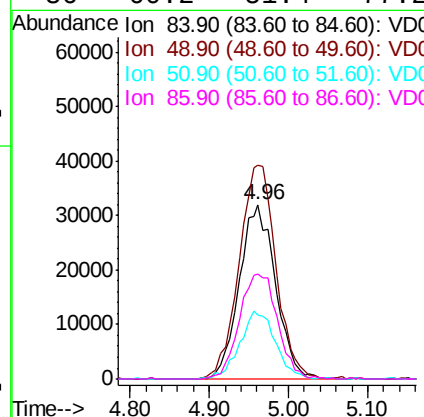
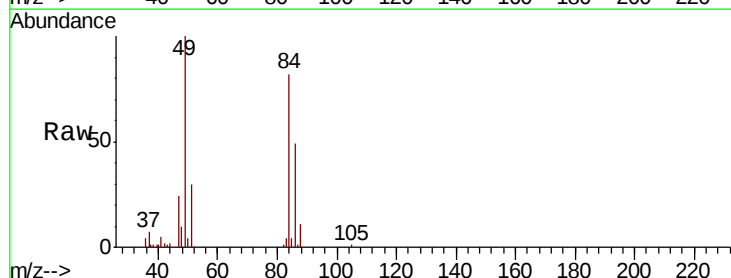
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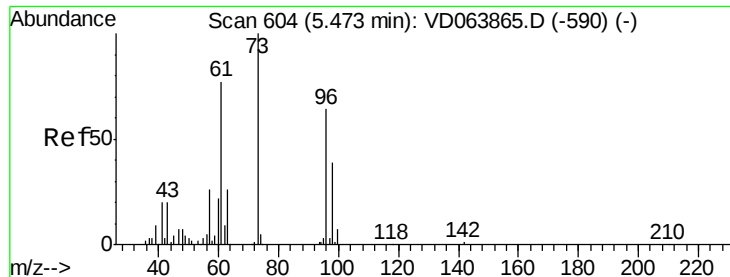
MMDadoda
10/16/2019 12:54:26 AM



#20
Methylene Chloride
Concen: 48.070 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 84 Resp: 101490
Ion Ratio Lower Upper
84 100
49 122.2 97.3 145.9
51 36.6 30.1 45.1
86 60.2 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 50.850 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

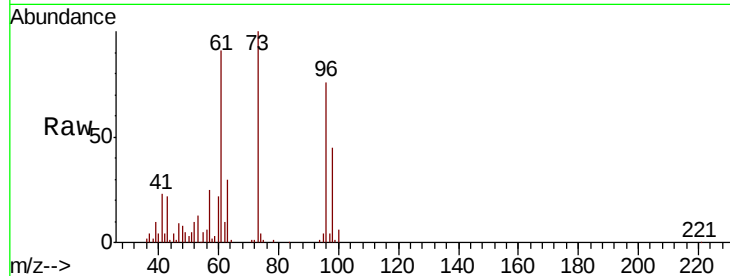
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	99350
Ion	Ratio	Lower	Upper
96	100		
61	119.9	96.6	145.0
98	58.4	48.7	73.1

Manual Integrations
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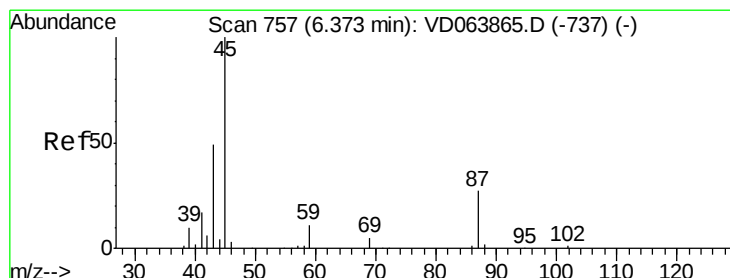
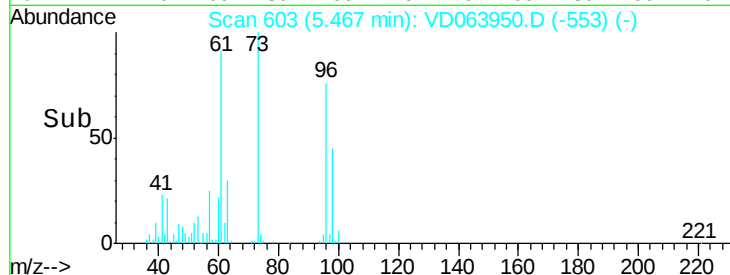
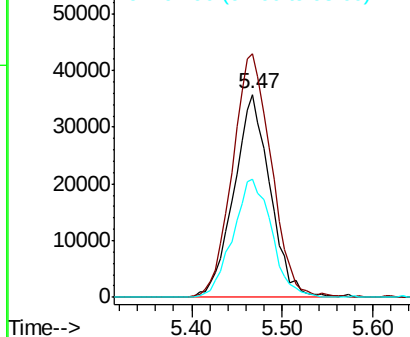


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.132 ug/l

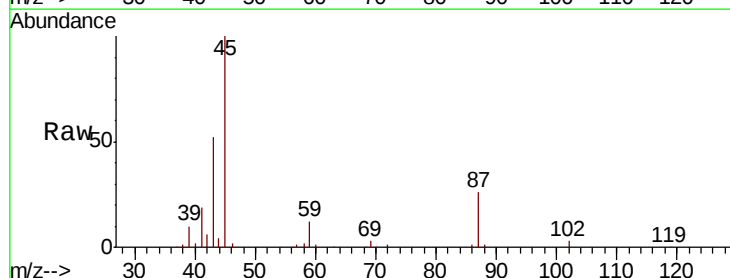
RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion:	45	Resp:	272488
Ion	Ratio	Lower	Upper
45	100		
43	51.0	41.2	61.8
87	26.2	22.2	33.4
59	12.4	9.2	13.8



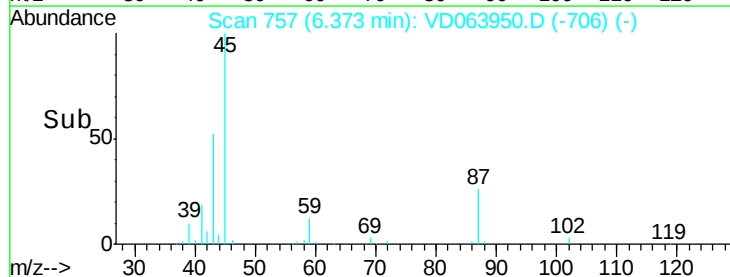
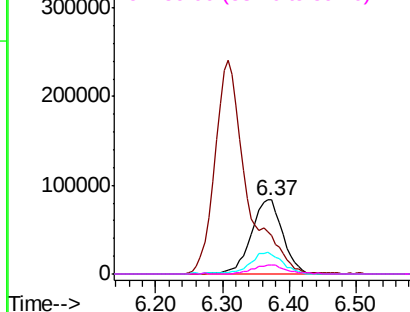
Abundance

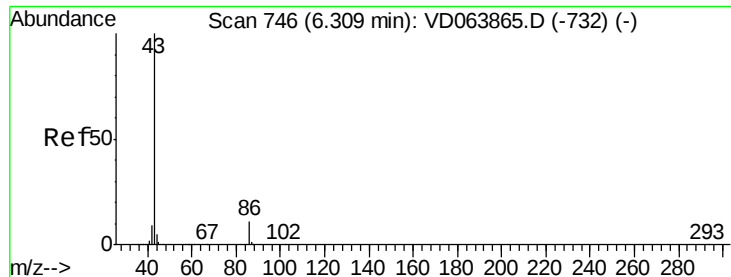
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 251.803 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 798261

Ion Ratio Lower Upper

43 100

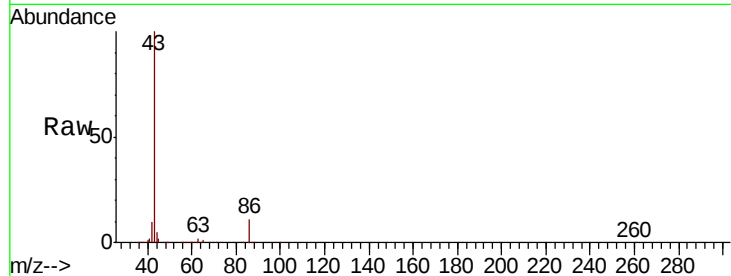
86 10.7 8.8 13.2

Manual Integrations

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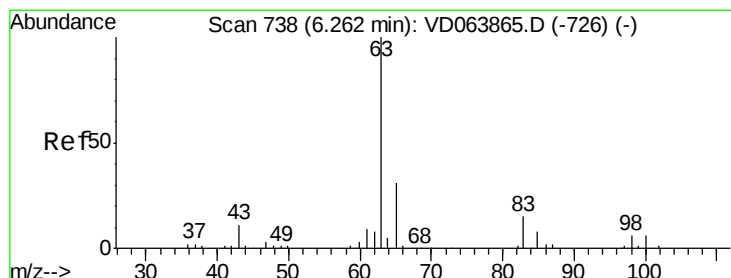
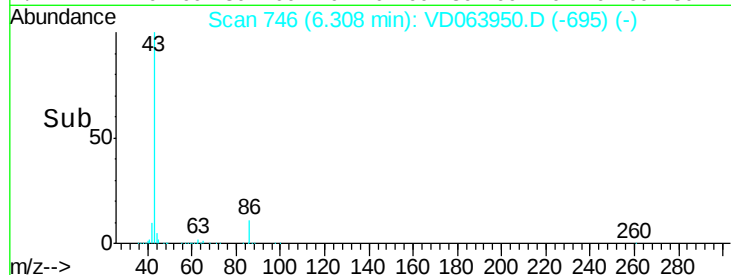
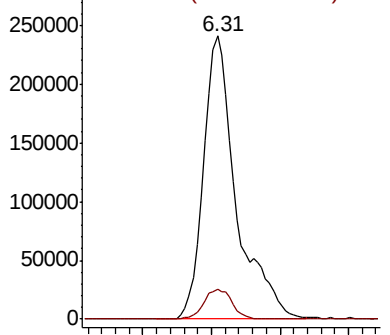
MMDadoda

10/16/2019 12:54:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.892 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

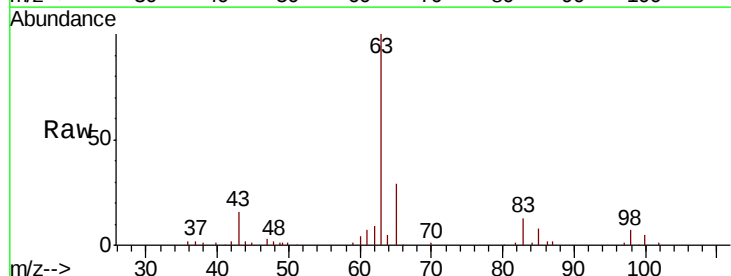
Tgt Ion: 63 Resp: 167053

Ion Ratio Lower Upper

63 100

98 7.5 3.1 9.4

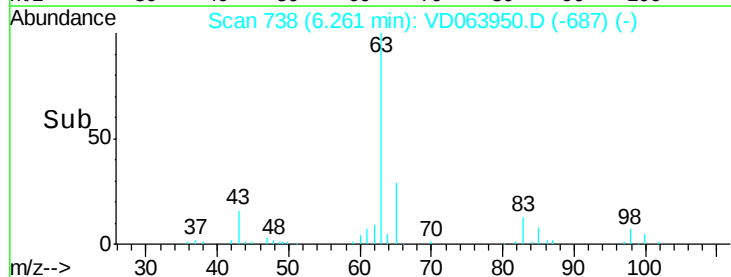
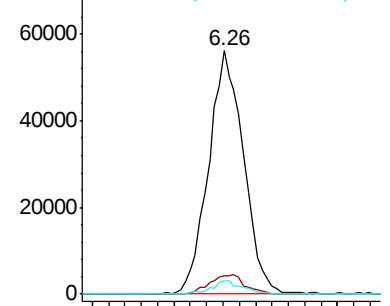
100 5.5 3.0 9.2

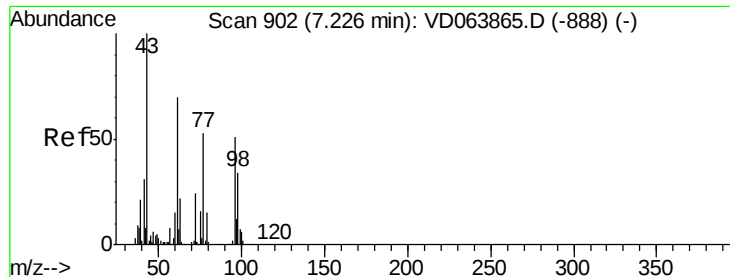


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 254.268 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 143036

Ion Ratio Lower Upper

43 100

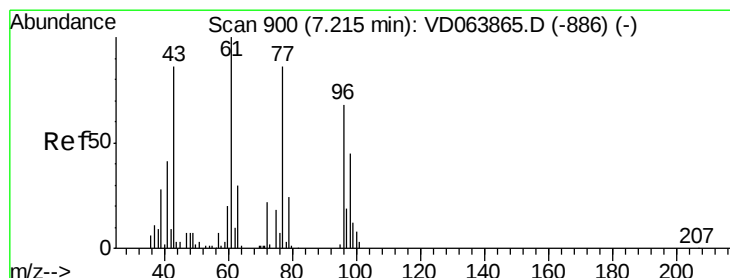
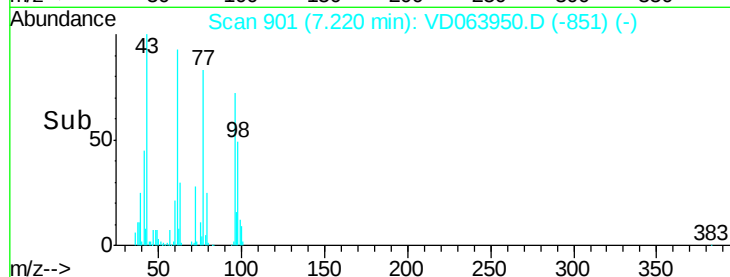
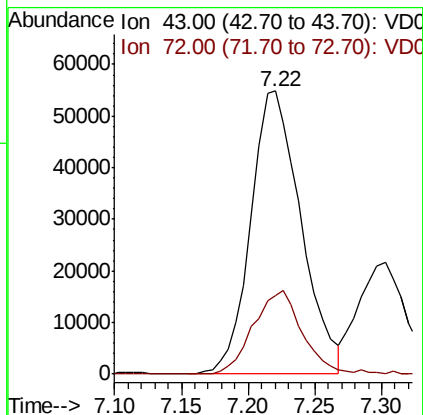
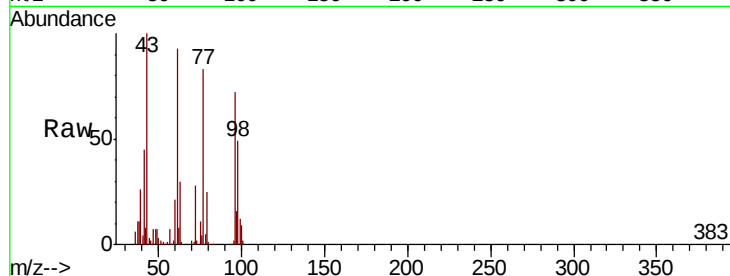
72 27.7 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.739 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063950.D

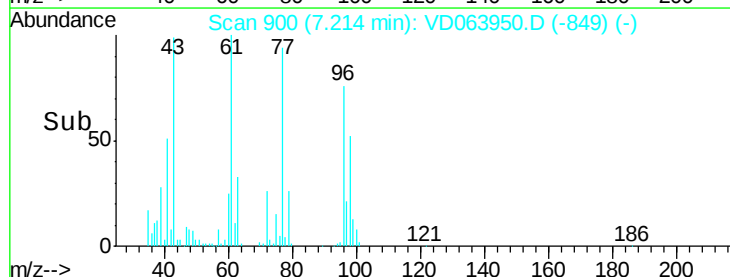
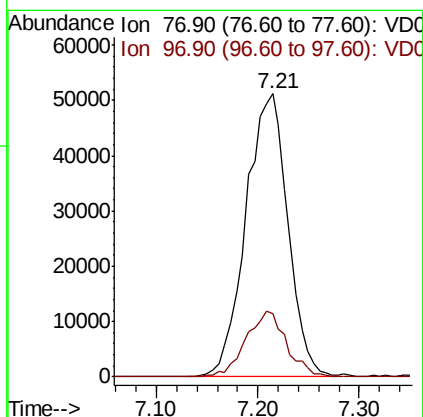
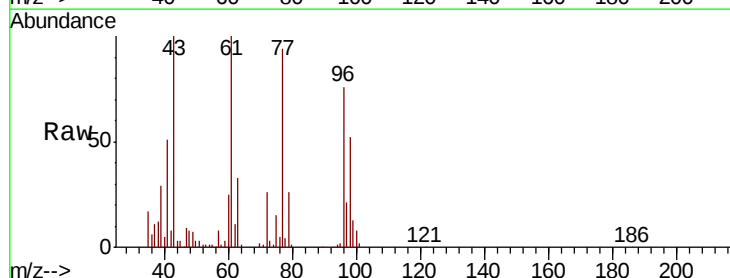
Acq: 14 Oct 2019 12:22

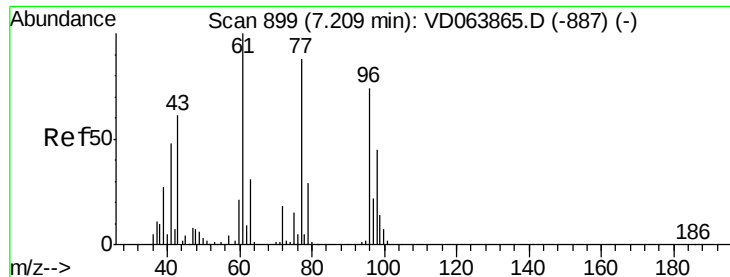
Tgt Ion: 77 Resp: 147690

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1





#27

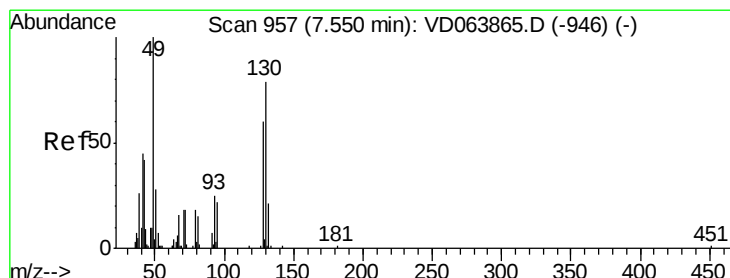
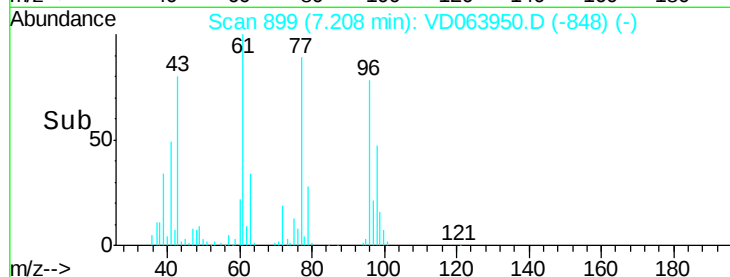
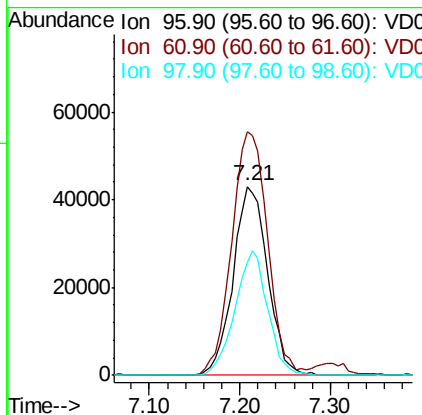
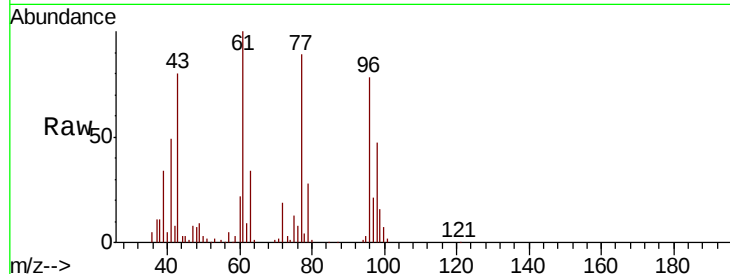
cis-1,2-Dichloroethene
Concen: 51.432 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.5	0.0	280.0	
98	62.8	0.0	130.4	

Manual Integrations
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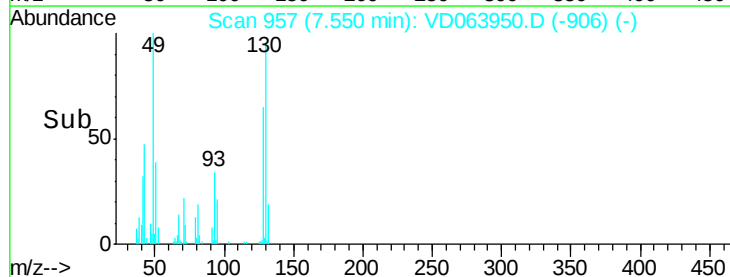
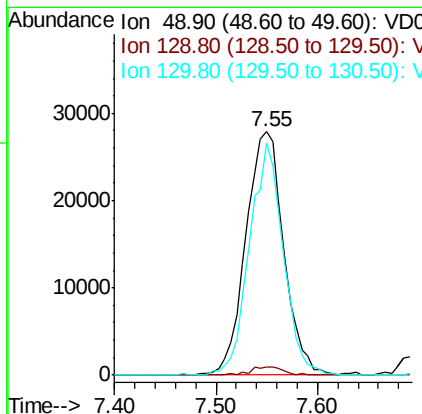
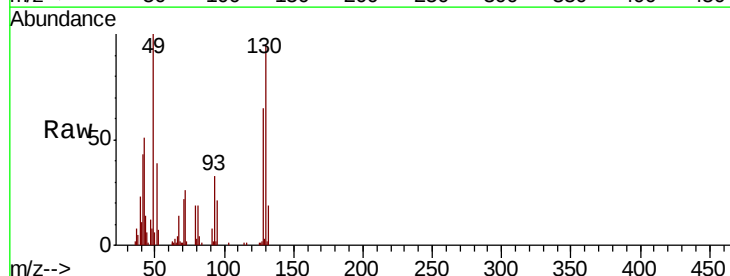
MMDadoda
10/16/2019 12:54:26 AM

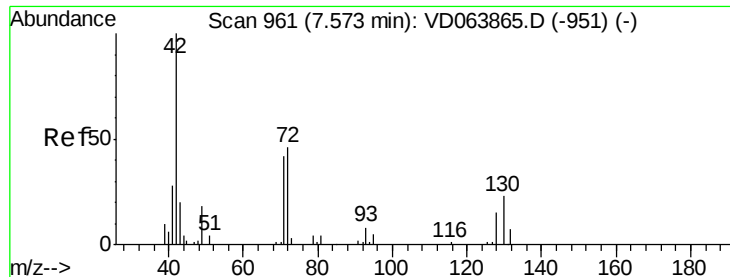


#28

Bromochloromethane
Concen: 57.685 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.0	0.0	5.6	
130	84.8	66.8	100.2	





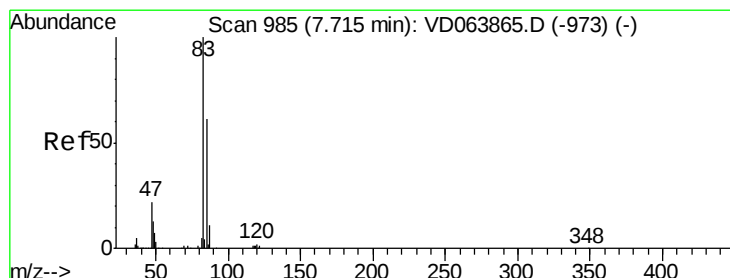
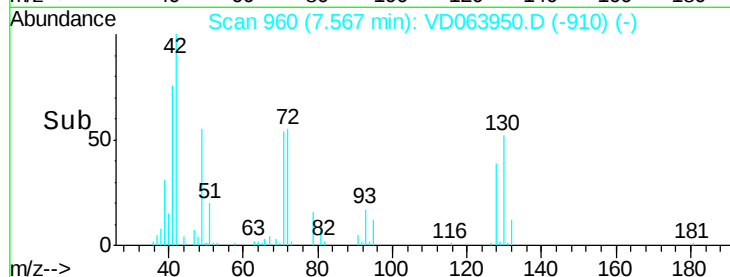
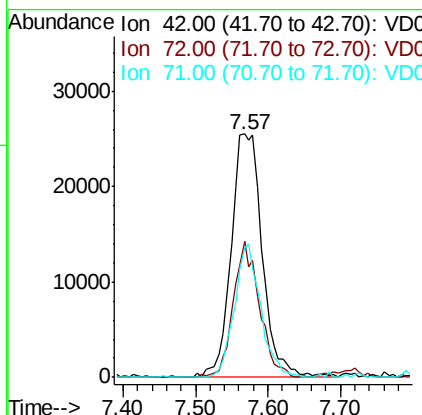
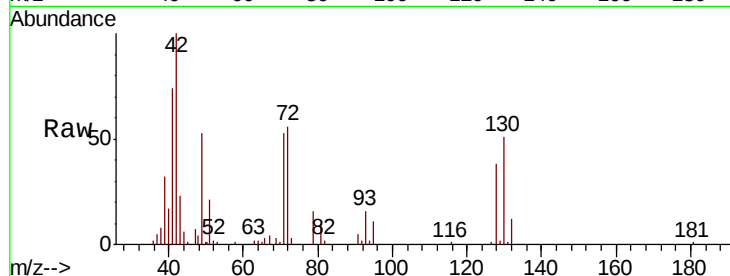
#29
Tetrahydrofuran
Concen: 231.833 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.6	56.4
71	46.3	35.0	52.6

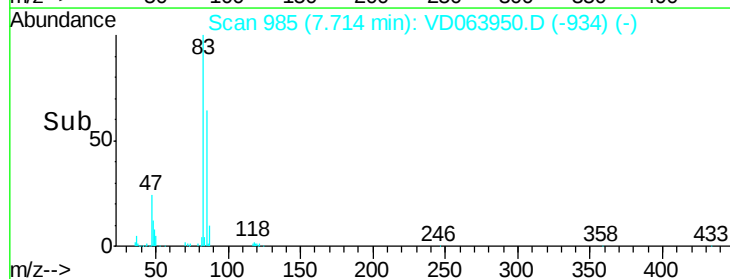
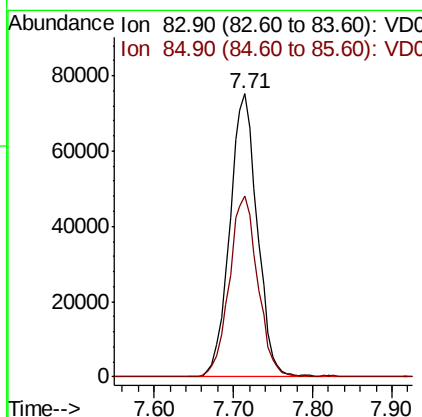
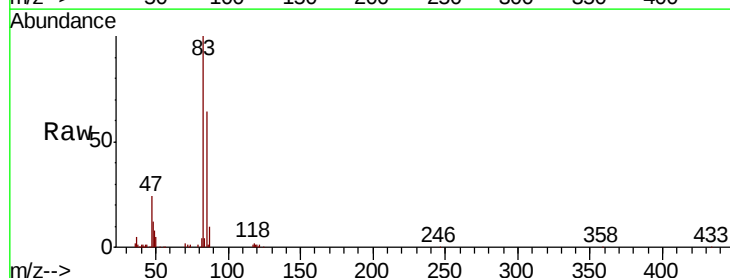
Manual Integrations
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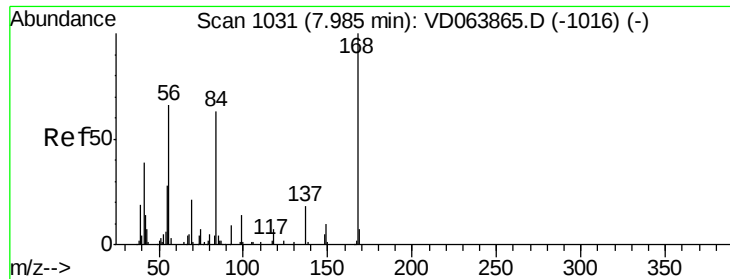
MMDadoda
10/16/2019 12:54:26 AM



#30
Chloroform
Concen: 50.519 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	48.9	73.3





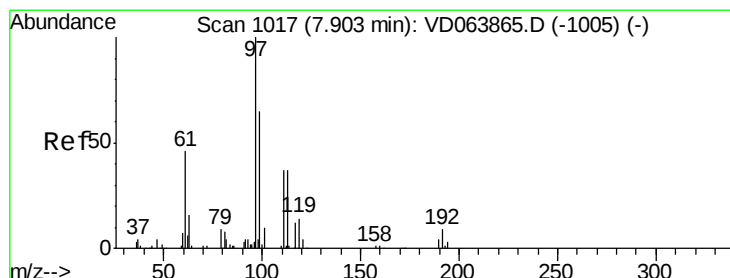
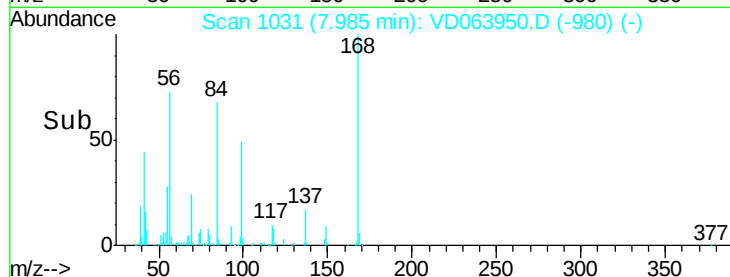
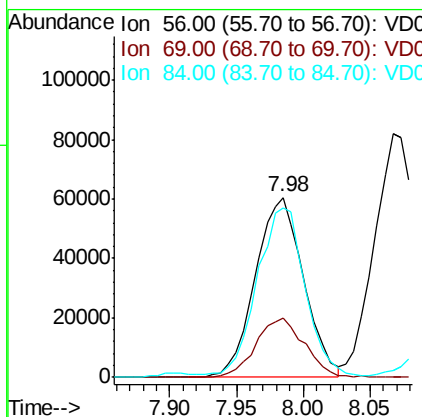
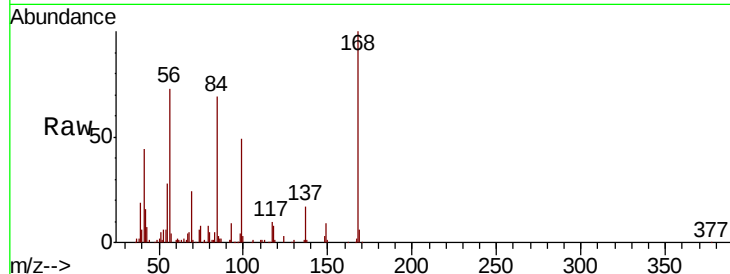
#31
Cyclohexane
Concen: 56.196 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.0	37.4
84	92.3	76.3	114.5

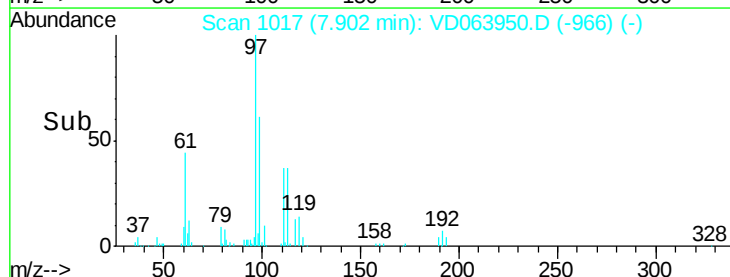
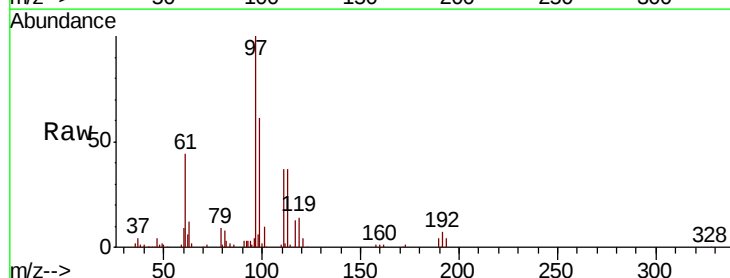
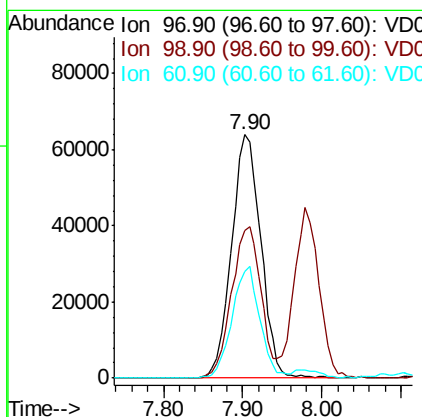
Manual Integrations
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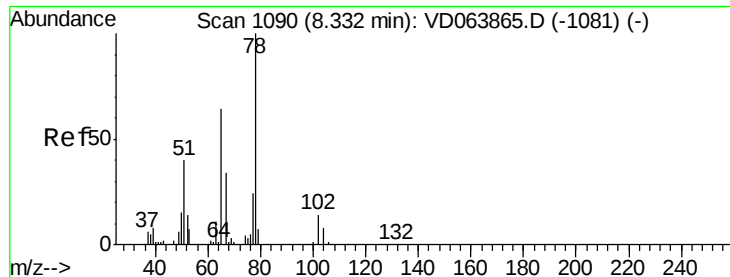
MMDadoda
10/16/2019 12:54:26 AM



#32
1,1,1-Trichloroethane
Concen: 53.495 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	52.4	78.6
61	43.4	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 50.208 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 91538

Ion Ratio Lower Upper

65 100

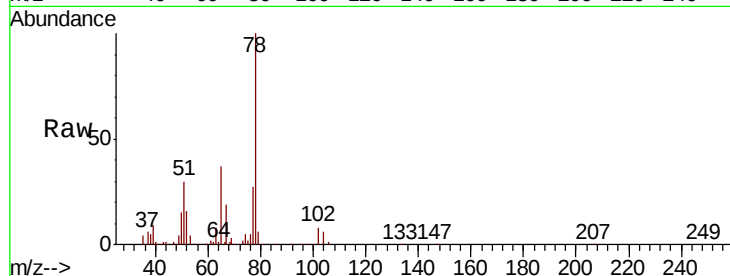
67 52.3 0.0 106.4

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

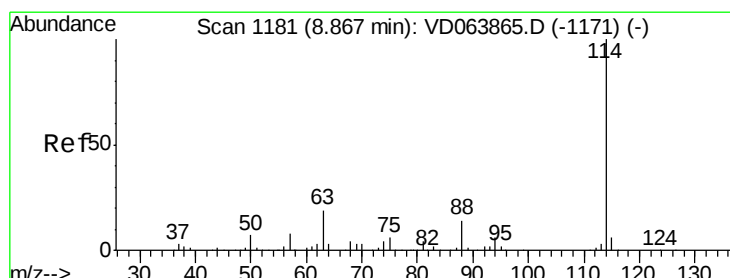
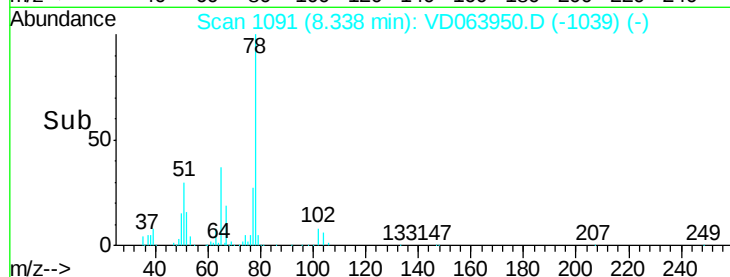
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

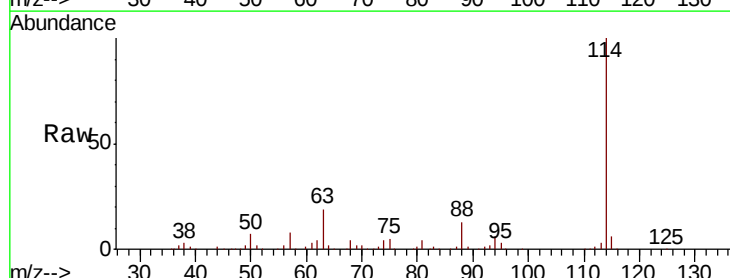
Tgt Ion: 114 Resp: 291859

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 12.9 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

150000

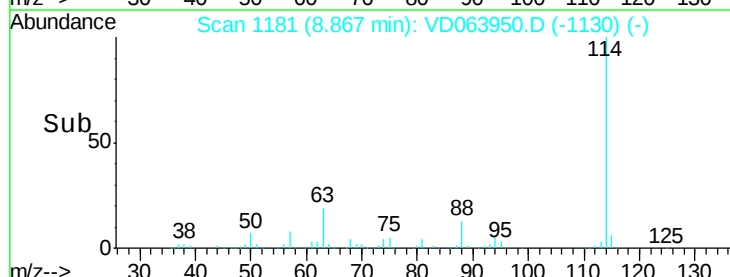
100000

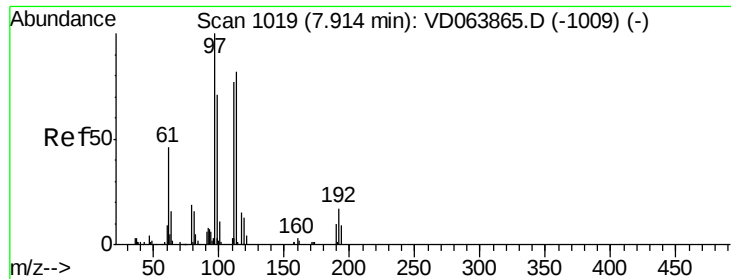
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 51.935 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

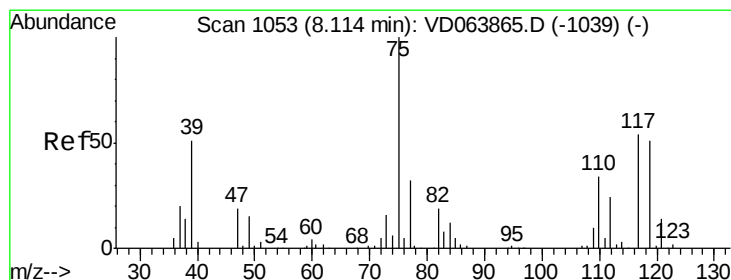
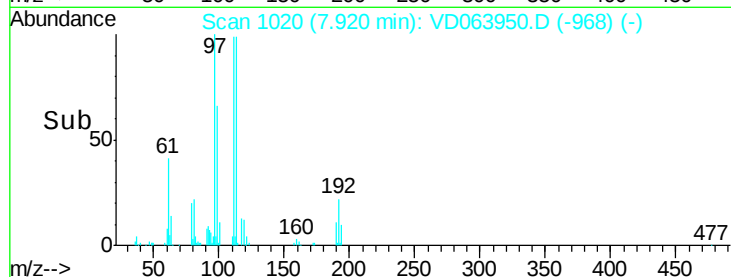
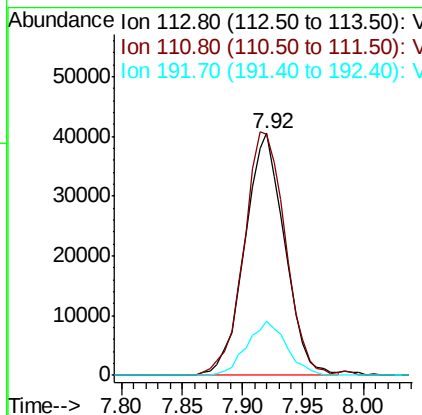
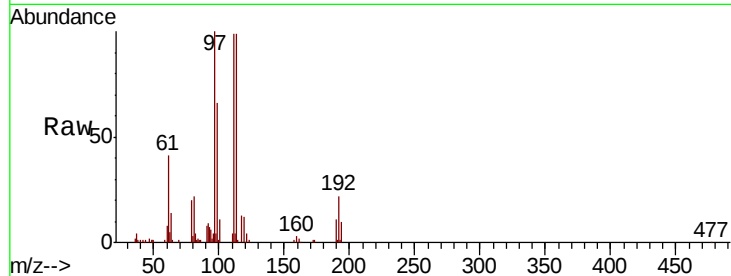
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	92634
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.6	123.8
192	22.1	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.840 ug/l

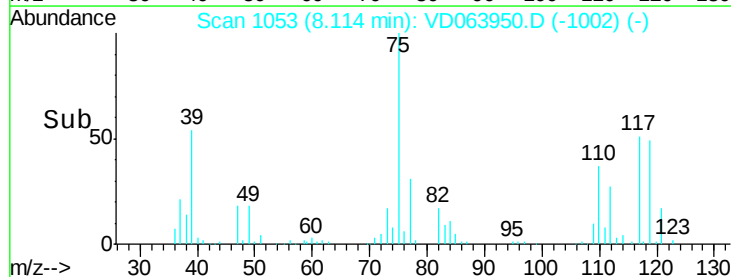
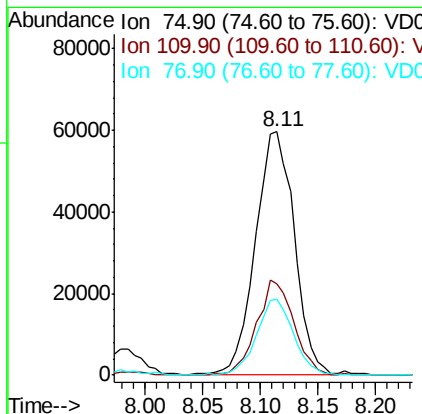
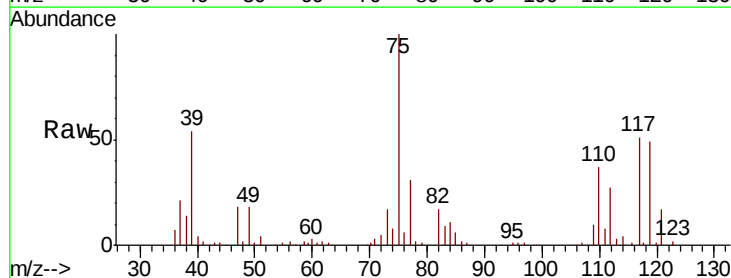
RT: 8.11 min Scan# 1053

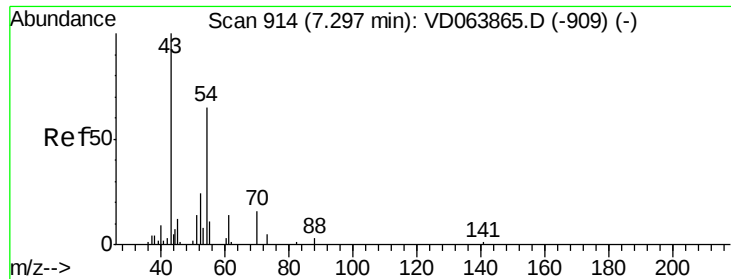
Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion:	75	Resp:	141006
Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.4	52.3
77	29.9	25.4	38.0





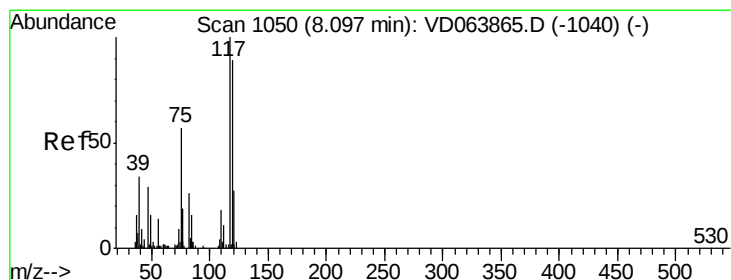
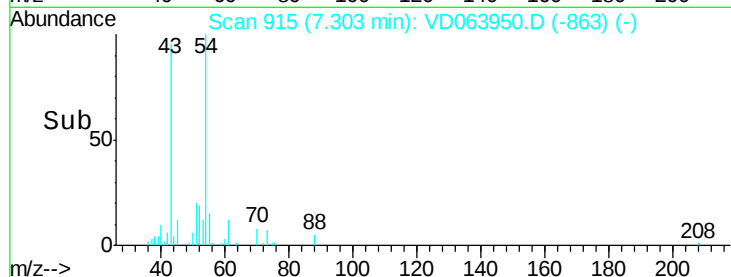
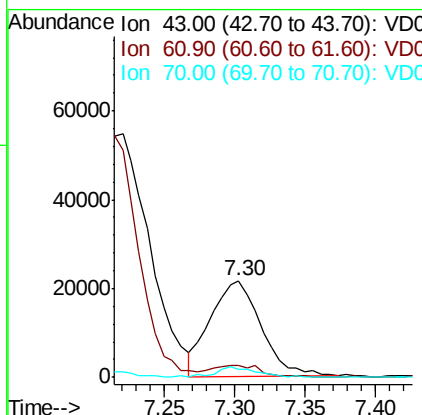
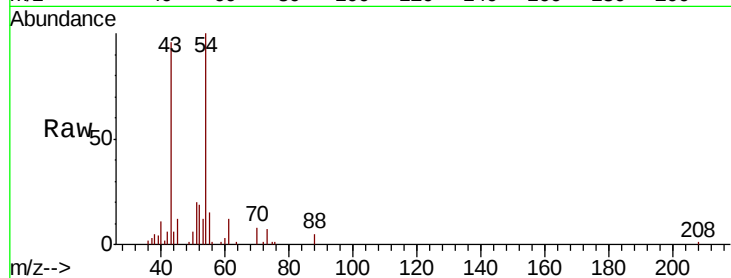
#37
Ethyl Acetate
Concen: 49.711 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.8	11.5	17.3#
70	9.2	8.2	12.4

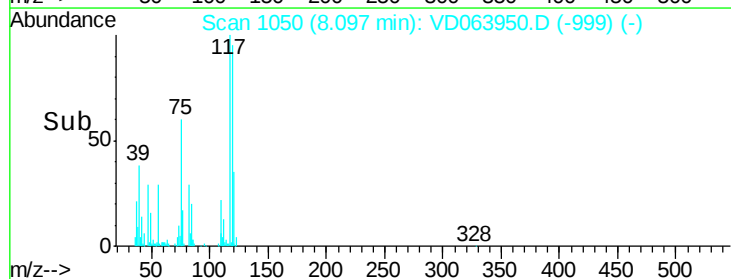
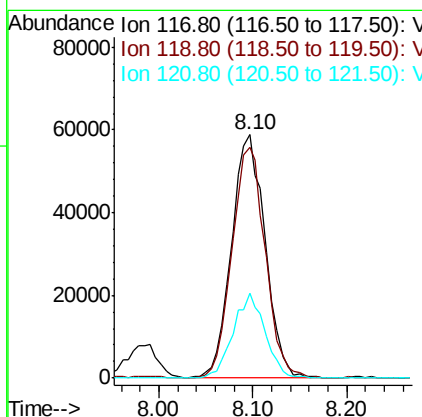
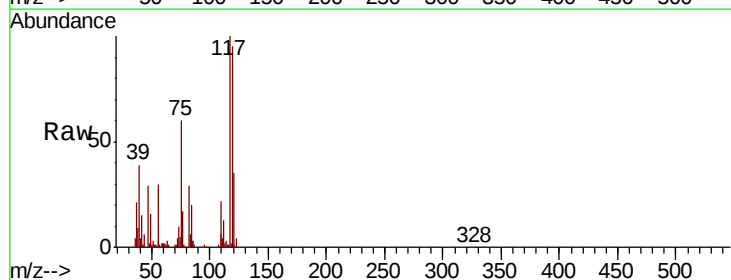
Manual Integrations
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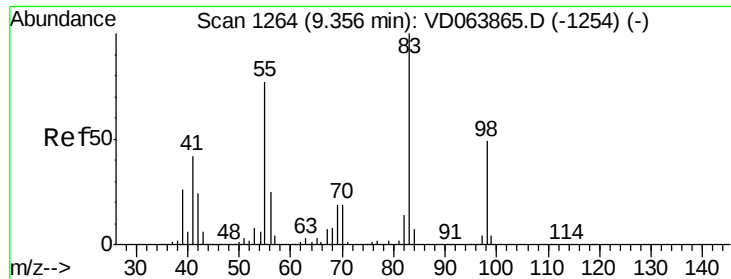
MMDadoda
10/16/2019 12:54:26 AM



#38
Carbon Tetrachloride
Concen: 54.048 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	70.8	106.2
121	34.8	21.4	32.0#





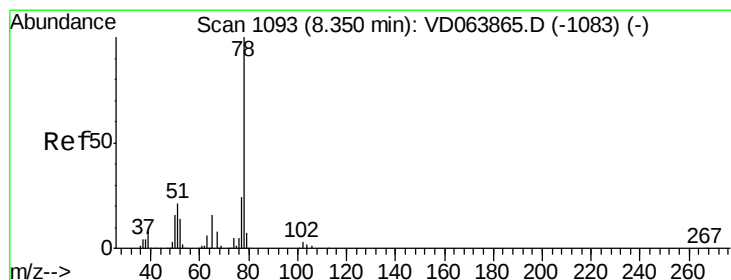
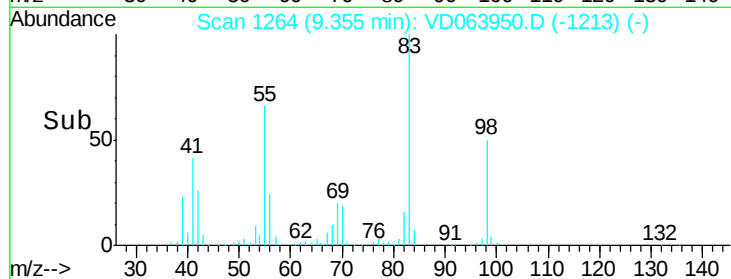
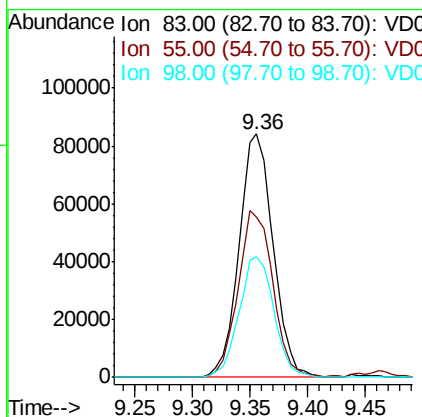
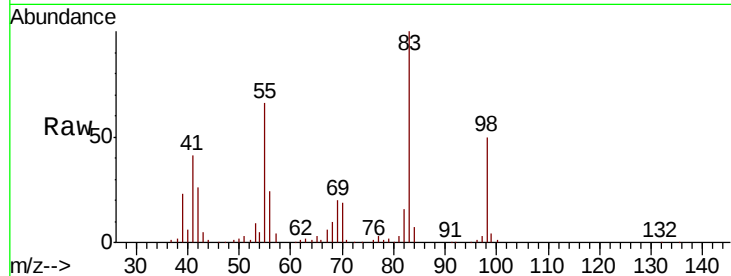
#39
Methvlcvclohexane
Concen: 52.549 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.1	61.3	91.9
98	49.8	39.3	58.9

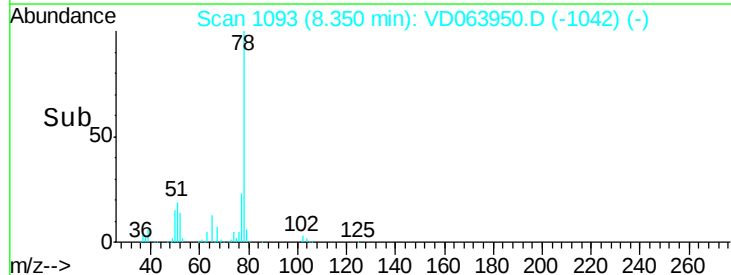
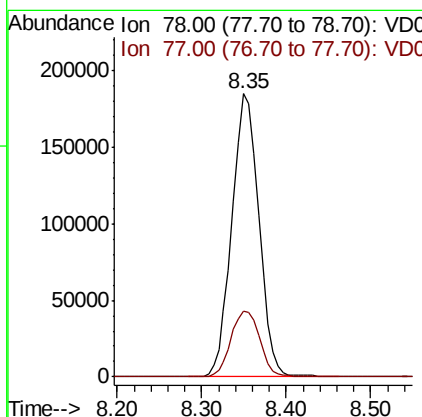
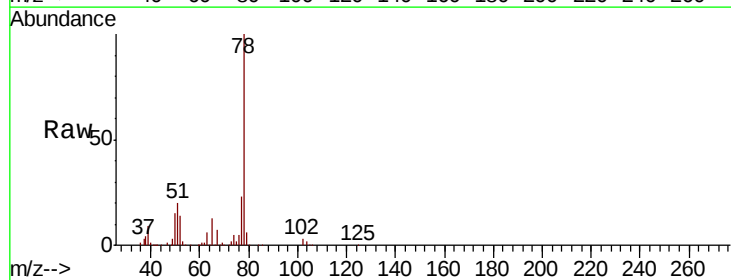
Manual Integrations
APPROVED

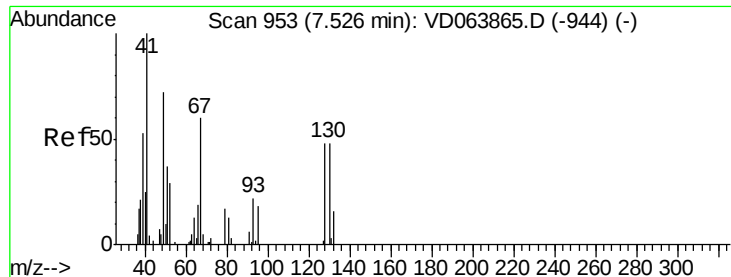
MMDadoda
10/16/2019 12:54:26 AM



#40
Benzene
Concen: 53.463 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





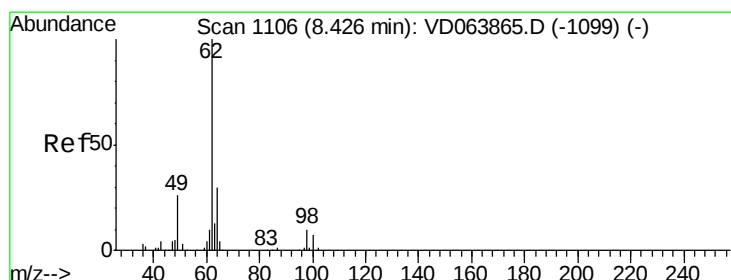
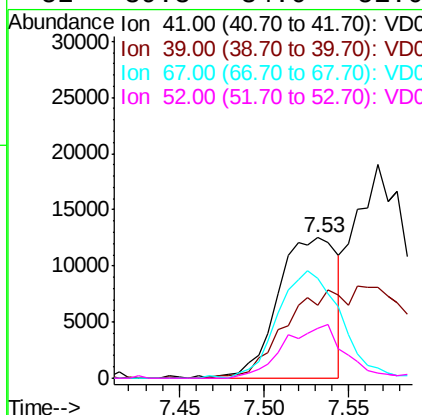
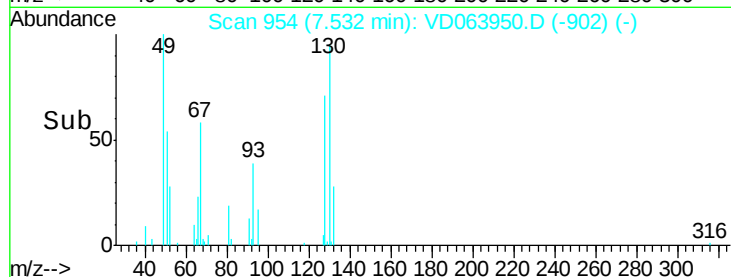
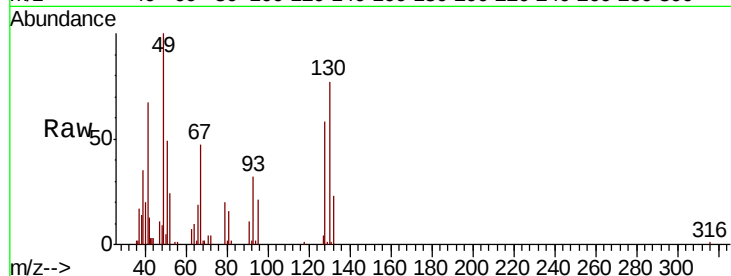
#41
Methacrylonitrile
Concen: 49.328 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	30519
Ion	Ratio	Lower	Upper
41	100		
39	65.8	52.6	78.8
67	81.2	74.2	111.2
52	39.3	34.0	51.0

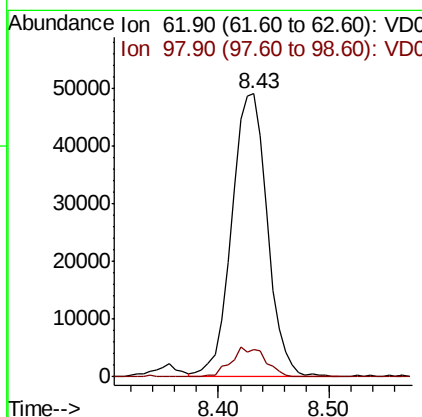
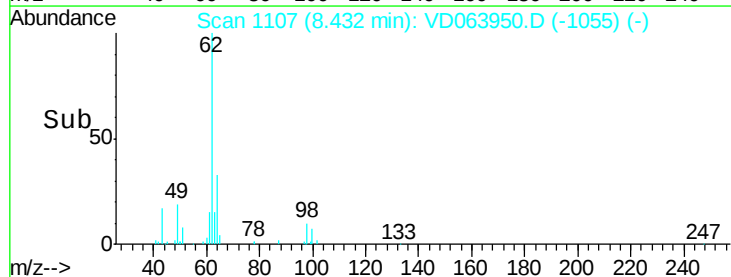
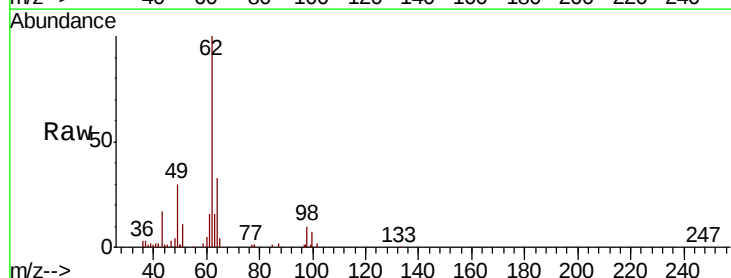
Manual Integrations
APPROVED

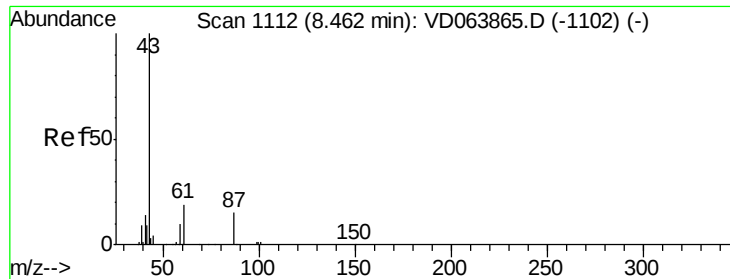
MMDadoda
10/16/2019 12:54:26 AM



#42
1,2-Dichloroethane
Concen: 50.465 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion:	62	Resp:	111632
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0





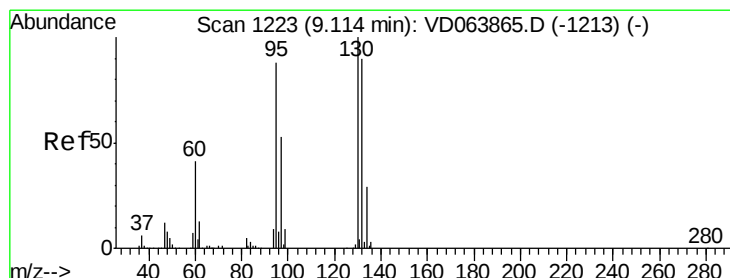
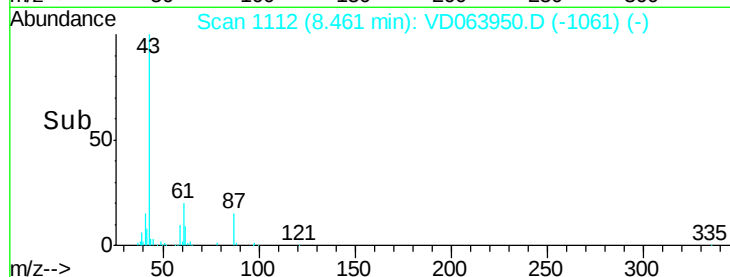
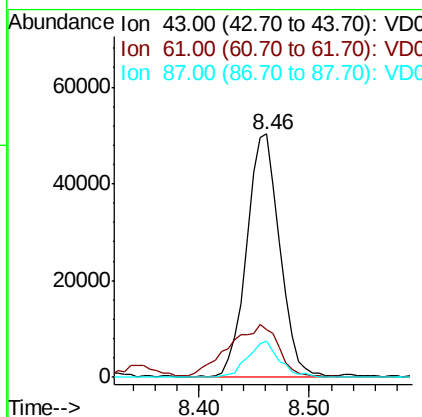
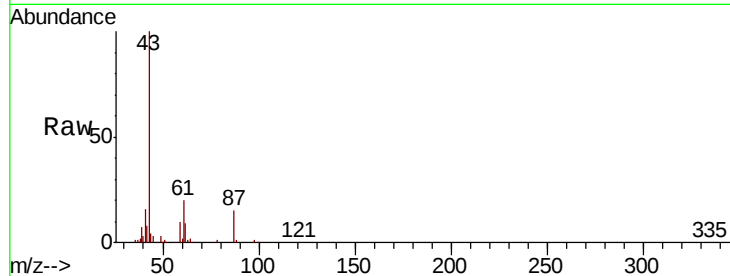
#43
Isopropyl Acetate
Concen: 47.475 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.7	38.5
87	14.3	11.6	17.4

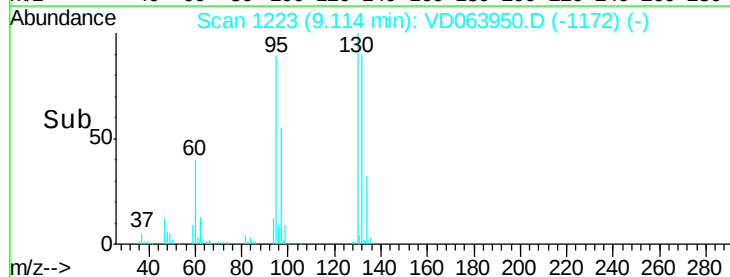
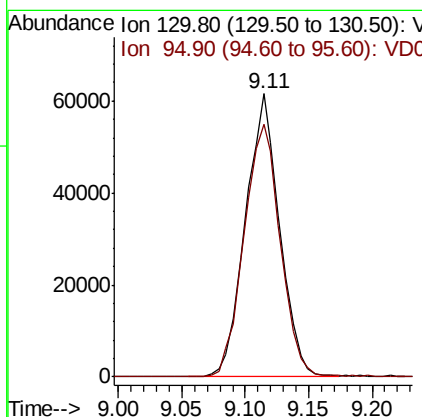
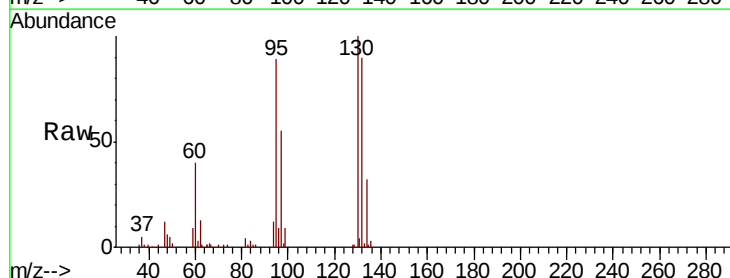
Manual Integrations
APPROVED

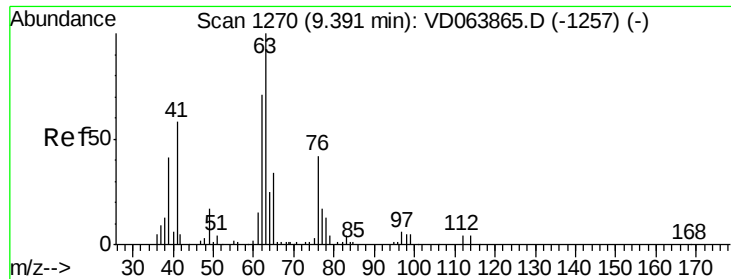
MMDadoda
10/16/2019 12:54:26 AM



#44
Trichloroethene
Concen: 52.297 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	175.6





#45

1,2-Dichloropropane

Concen: 52.557 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 98376

Ion Ratio Lower Upper

63 100

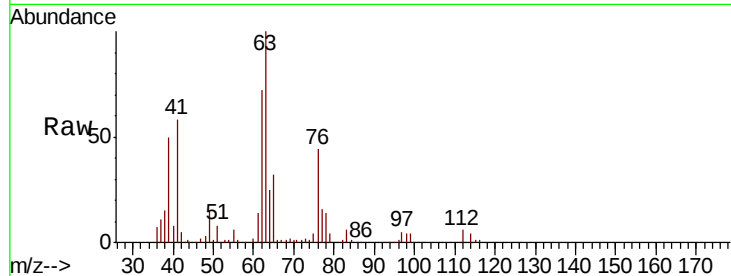
65 32.4 27.3 40.9

Manual Integrations

APPROVED

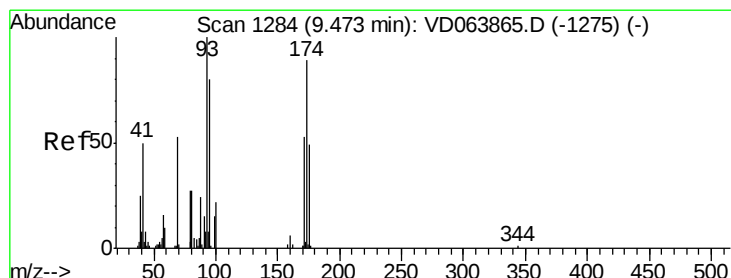
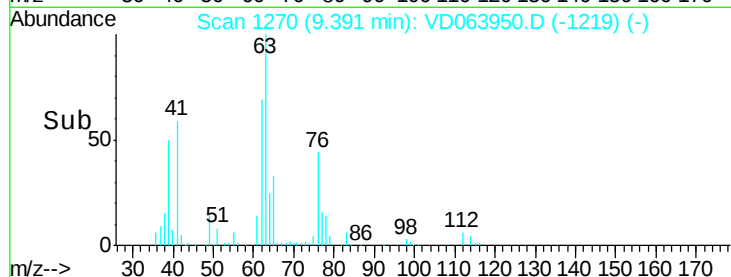
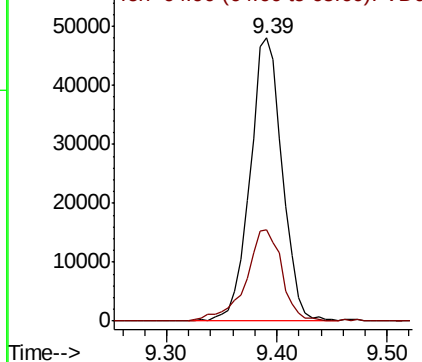
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.615 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

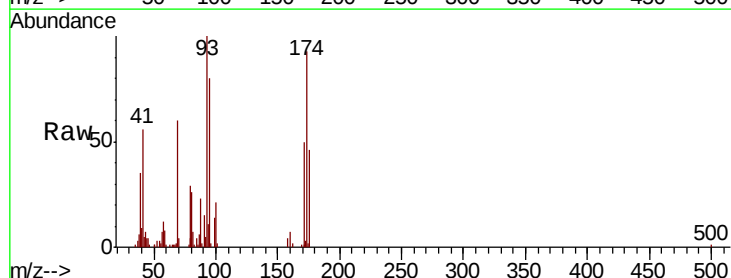
Tgt Ion: 93 Resp: 57154

Ion Ratio Lower Upper

93 100

95 81.7 66.0 99.0

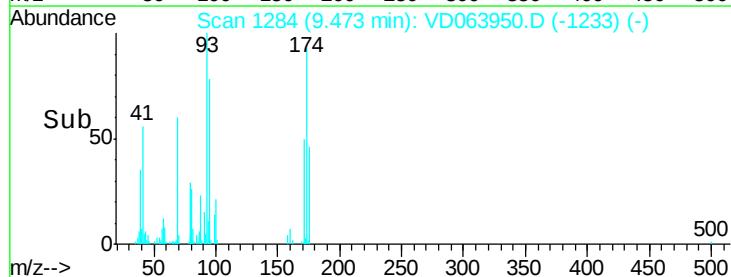
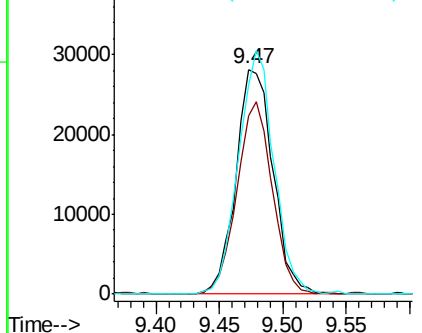
174 104.1 83.4 125.0

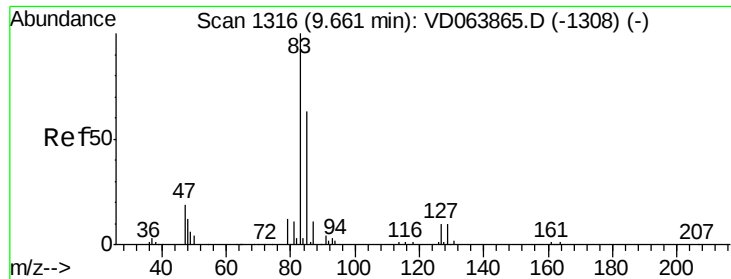


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.082 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

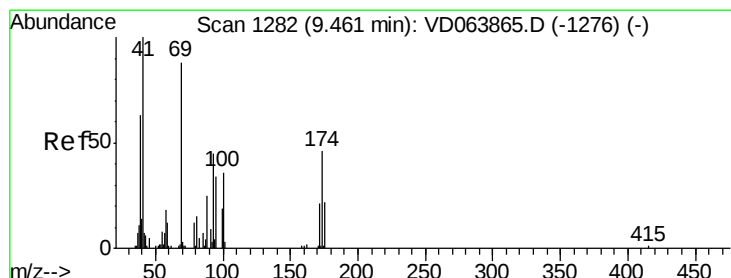
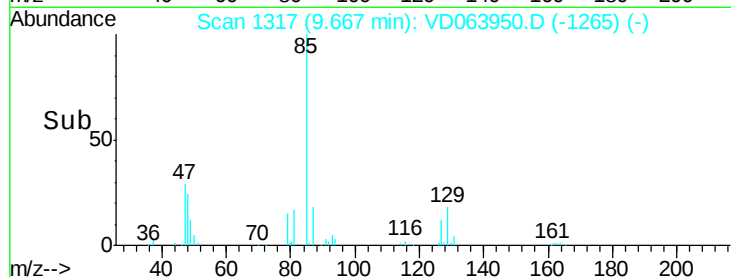
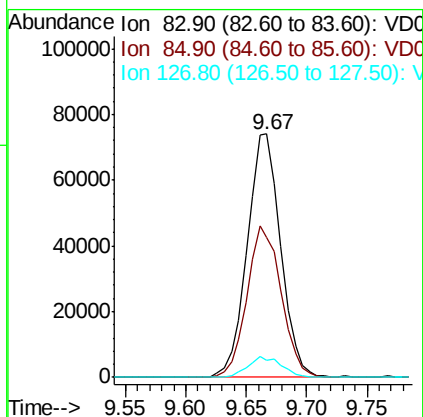
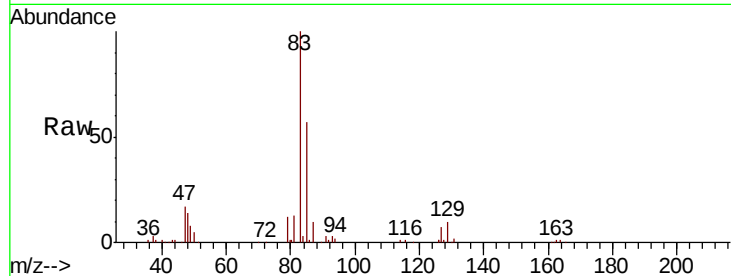
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142941
Ion	Ratio	Lower	Upper
83	100		
85	57.3	50.2	75.2
127	7.1	7.6	11.4#

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.232 ug/l

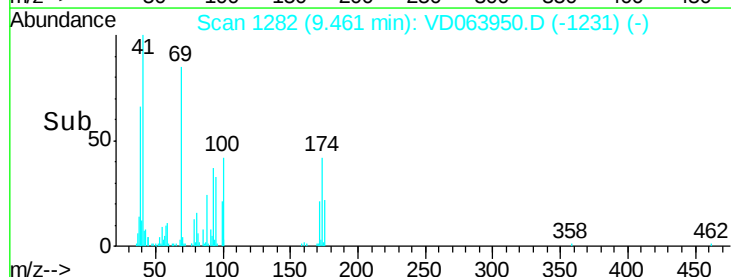
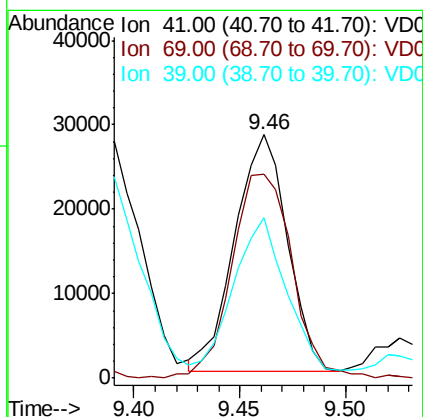
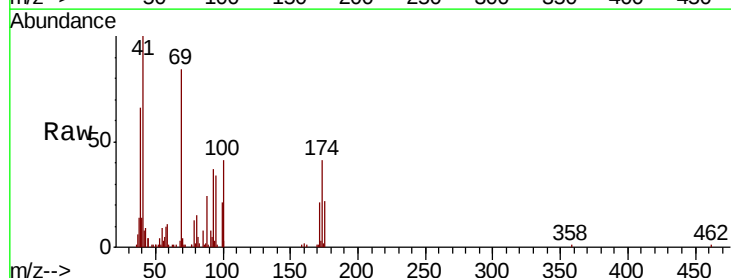
RT: 9.46 min Scan# 1282

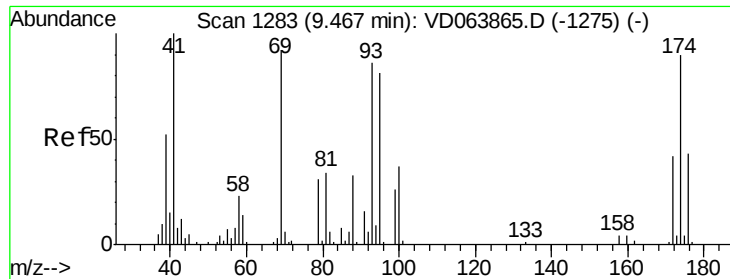
Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion:	41	Resp:	48501
Ion	Ratio	Lower	Upper
41	100		
69	99.3	75.1	112.7
39	71.4	50.2	75.2





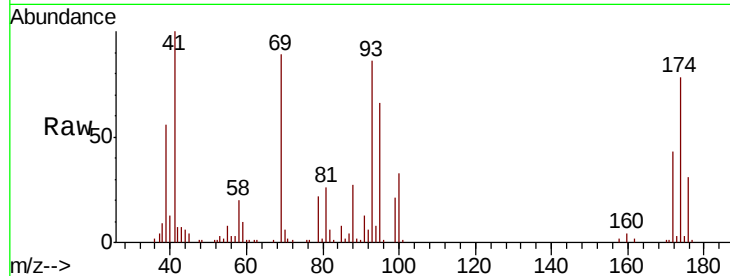
#49
1,4-Dioxane
Concen: 1081.656 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	27.6	41.4
58	54.8	54.1	81.1

Manual Integrations
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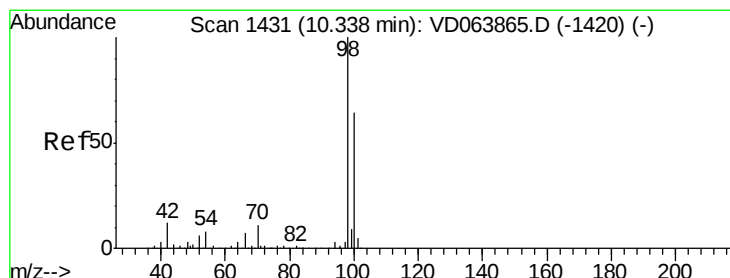
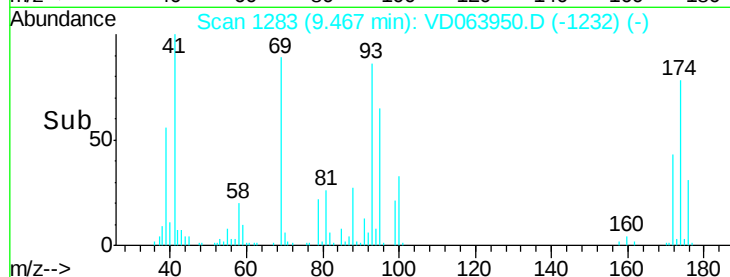
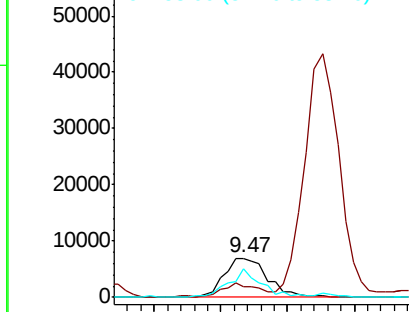


Abundance

Ion 88.00 (87.70 to 88.70): VDC

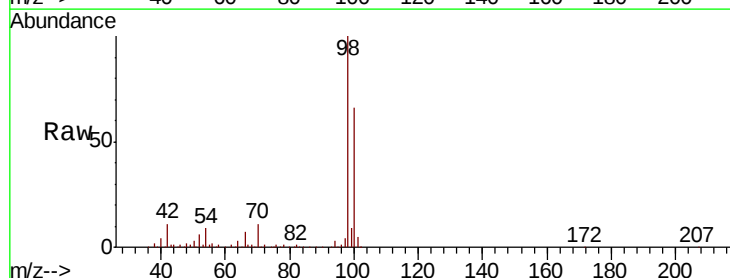
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 54.139 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

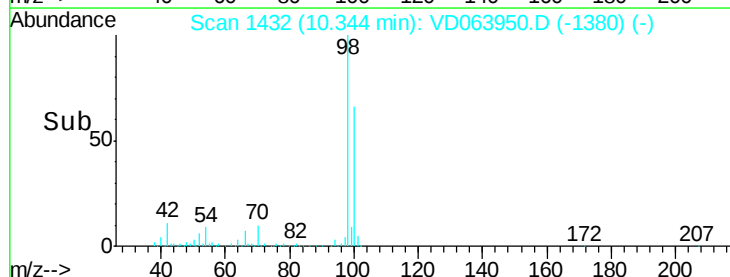
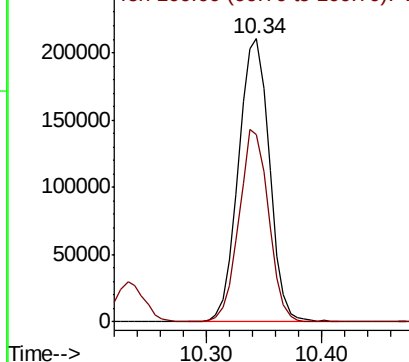
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

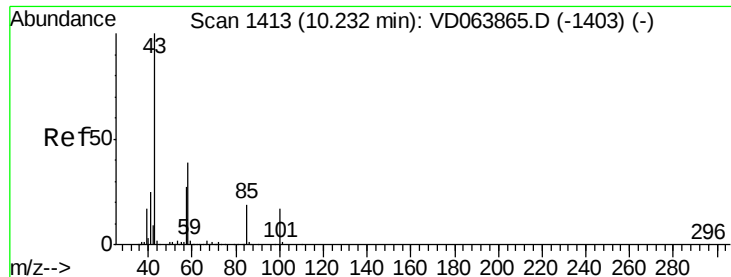


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 243.141 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 282199

Ion Ratio Lower Upper

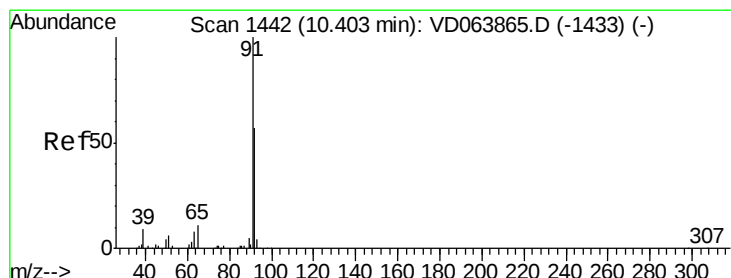
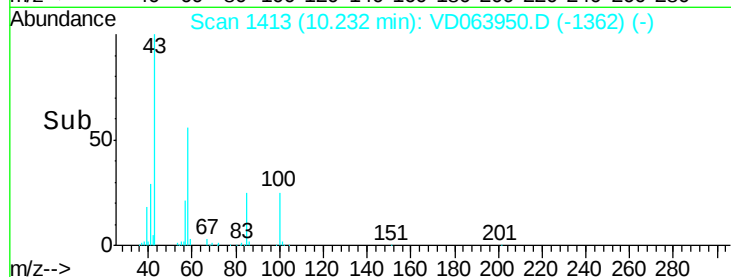
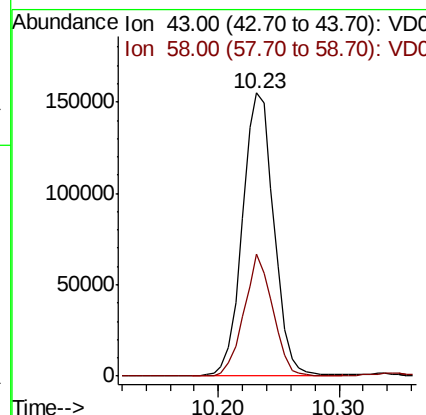
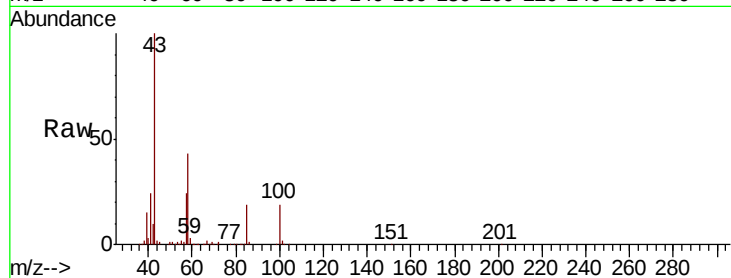
43 100

58 39.7 33.0 49.4

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#52

Toluene

Concen: 53.556 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063950.D

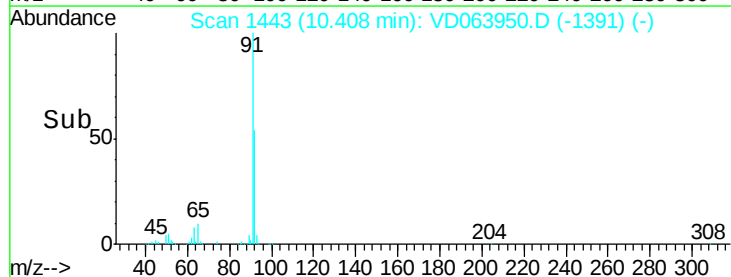
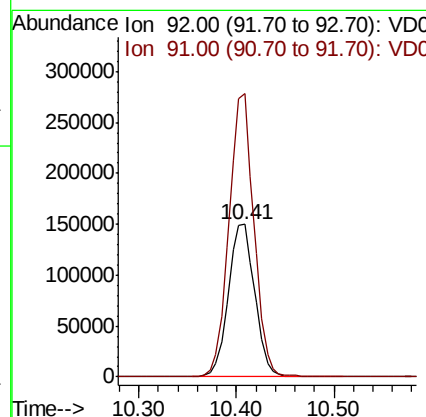
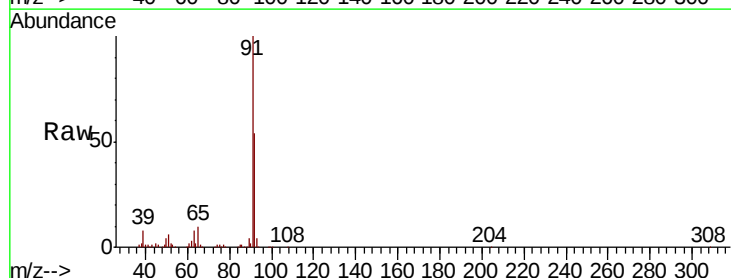
Acq: 14 Oct 2019 12:22

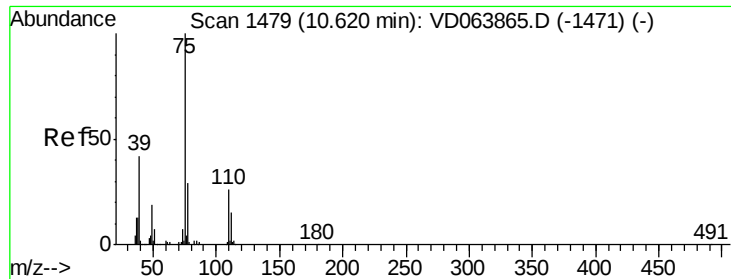
Tgt Ion: 92 Resp: 281154

Ion Ratio Lower Upper

92 100

91 175.1 139.5 209.3





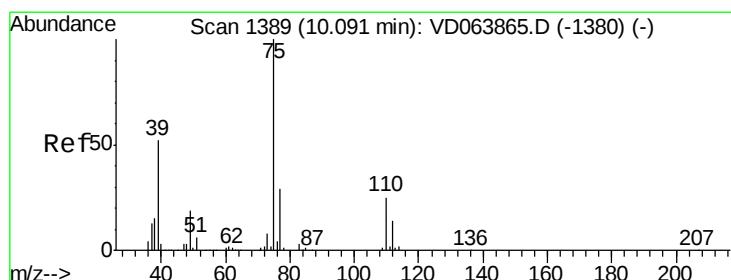
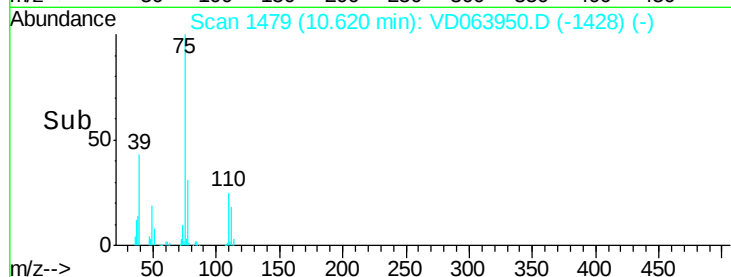
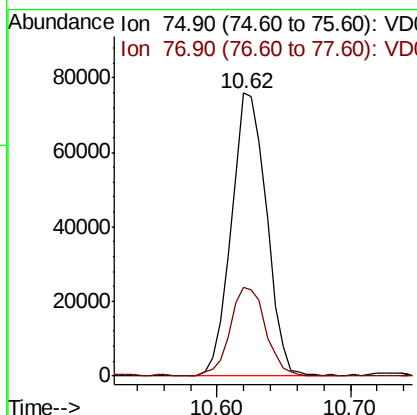
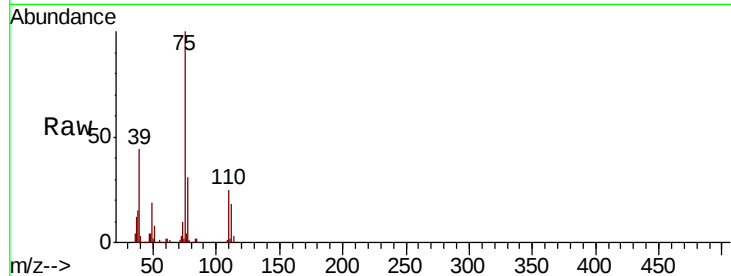
#53
 t-1,3-Dichloropropene
 Concen: 51.917 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 139043
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.8 34.2

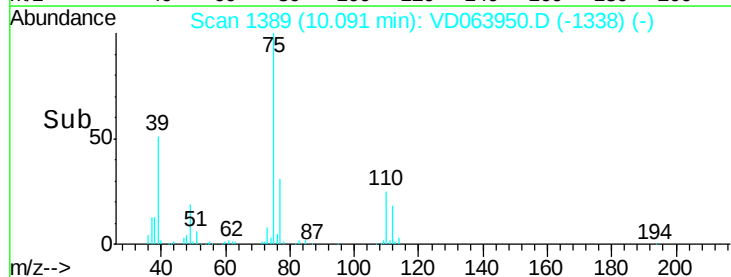
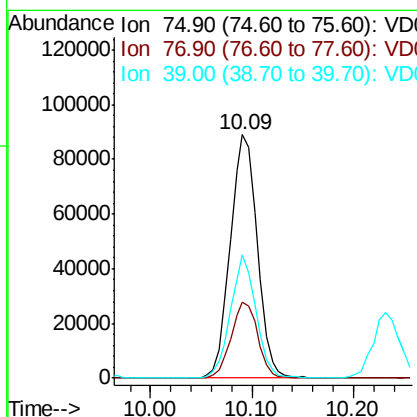
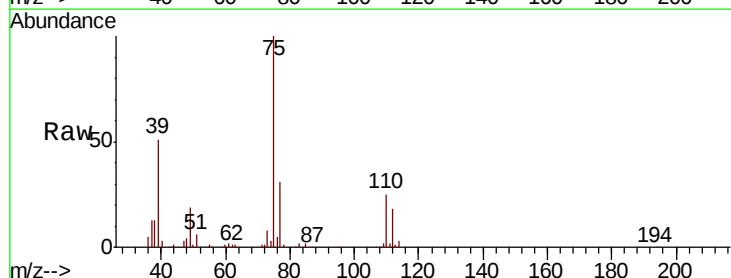
Manual Integrations
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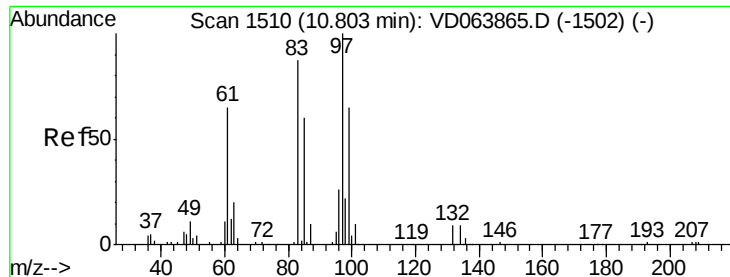
MMDadoda
 10/16/2019 12:54:26 AM



#54
 cis-1,3-Dichloropropene
 Concen: 53.296 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion: 75 Resp: 164304
 Ion Ratio Lower Upper
 75 100
 77 31.1 23.2 34.8
 39 50.8 41.5 62.3





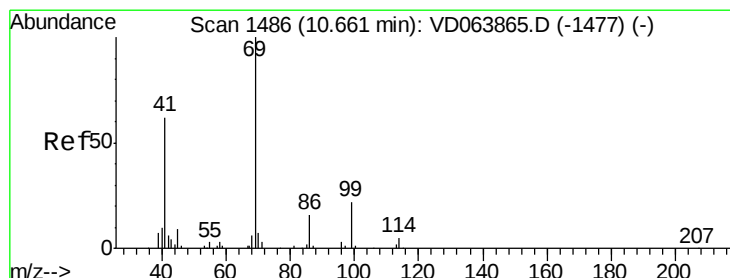
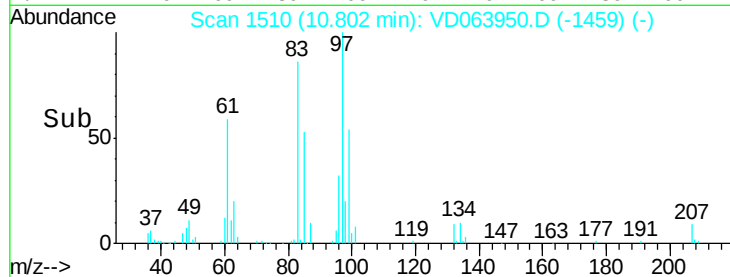
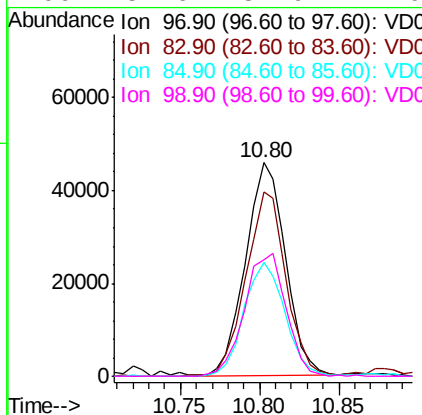
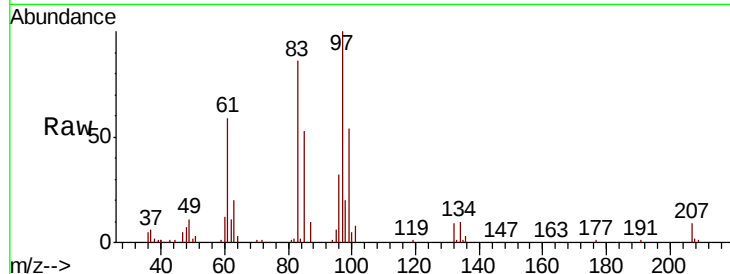
#55
 1,1,2-Trichloroethane
 Concen: 53.578 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	80643
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.7	104.5
85	53.3	48.1	72.1
99	54.6	51.9	77.9

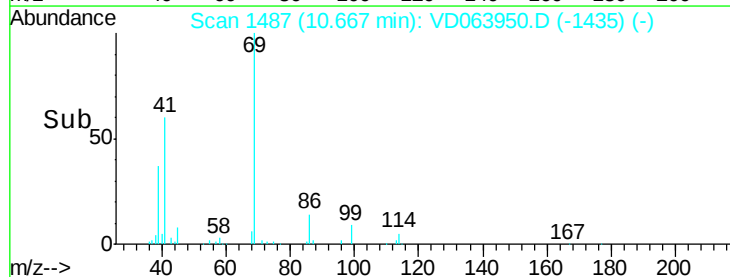
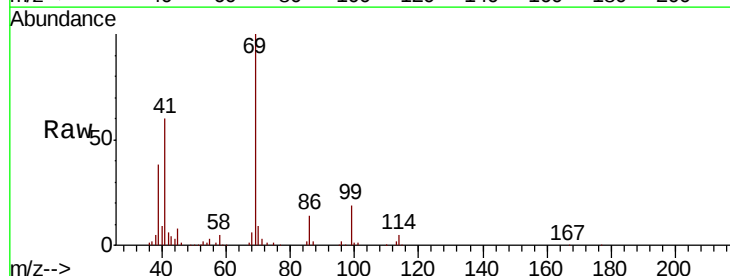
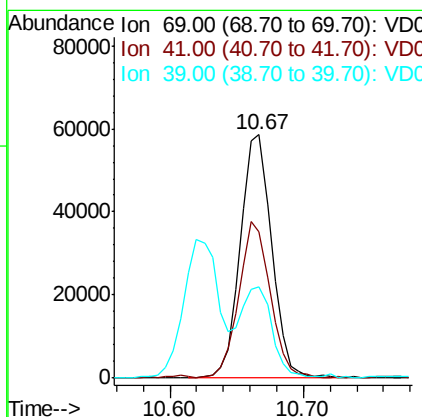
Manual Integrations
 APPROVED

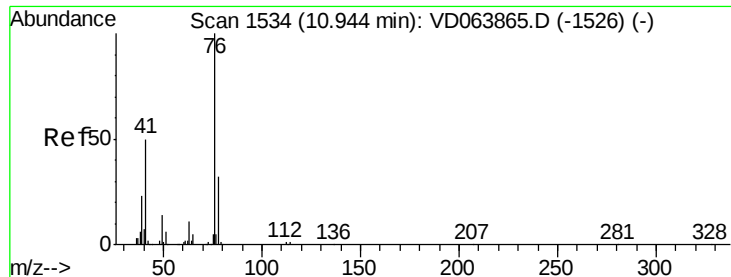
MMDadoda
 10/16/2019 12:54:26 AM



#56
 Ethyl methacrylate
 Concen: 50.203 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion:	69	Resp:	95690
Ion	Ratio	Lower	Upper
69	100		
41	63.6	51.3	76.9
39	37.7	28.0	42.0





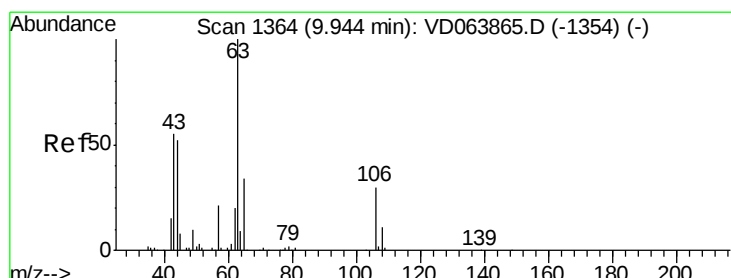
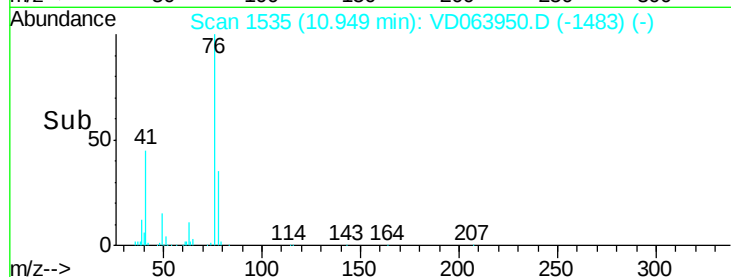
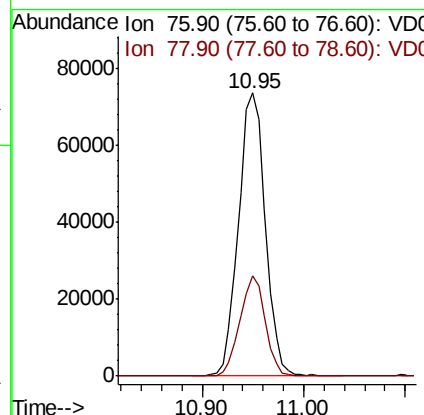
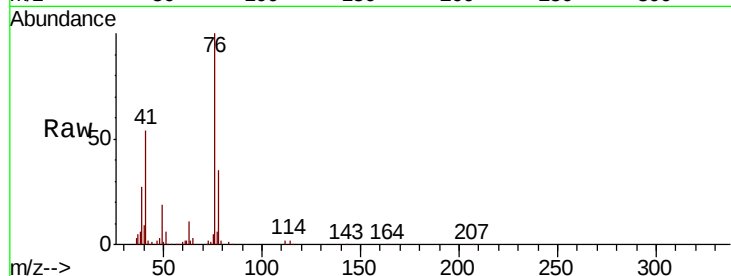
#57
 1,3-Dichloropropane
 Concen: 52.588 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	26.6	40.0

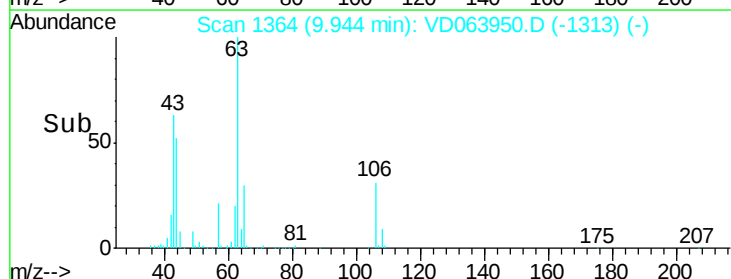
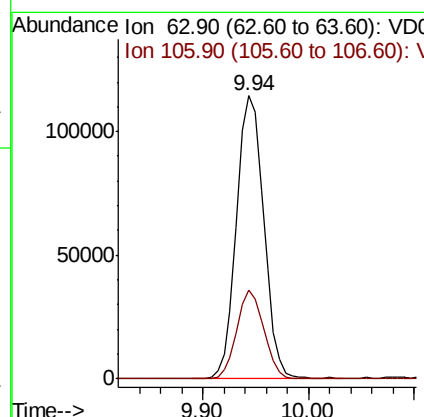
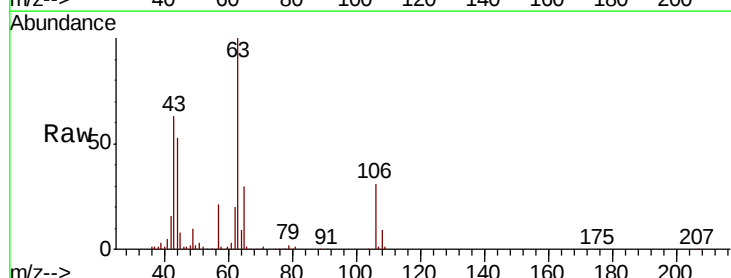
Manual Integrations
 APPROVED

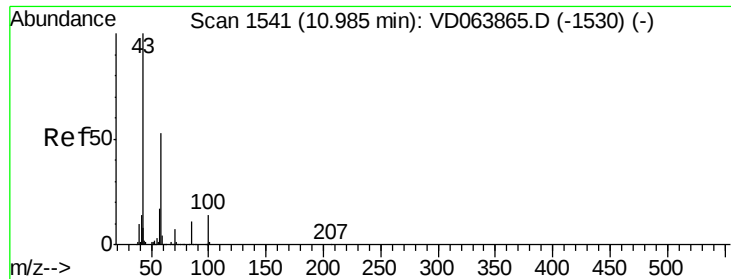
MMDadoda
 10/16/2019 12:54:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.906 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	24.3	36.5





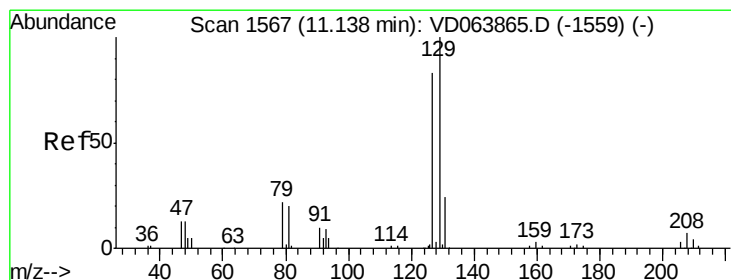
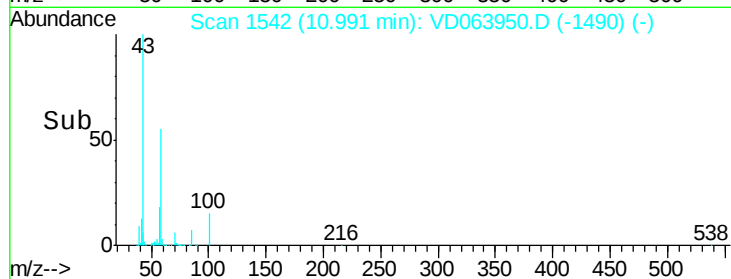
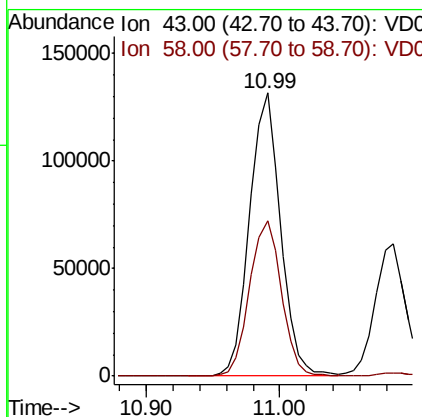
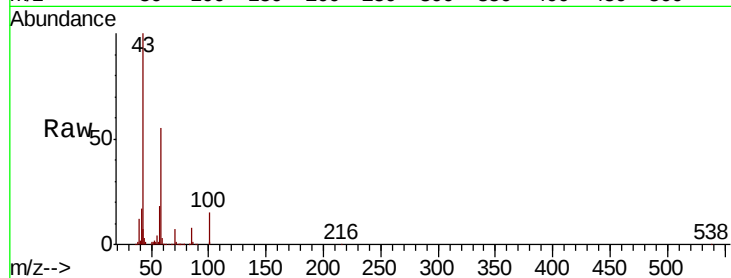
#59
2-Hexanone
Concen: 251.207 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 210907
Ion Ratio Lower Upper
43 100
58 56.4 27.7 83.0

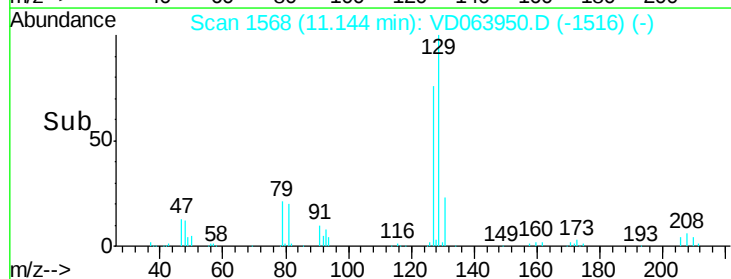
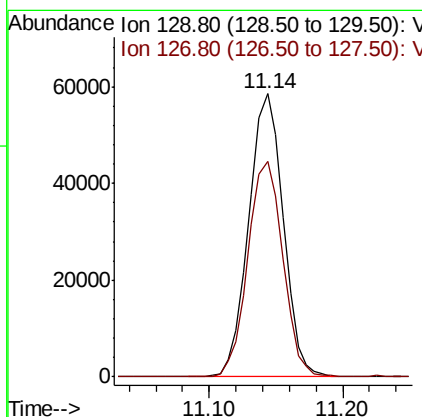
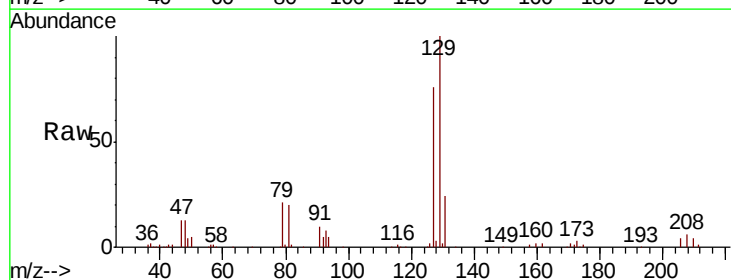
Manual Integrations
APPROVED

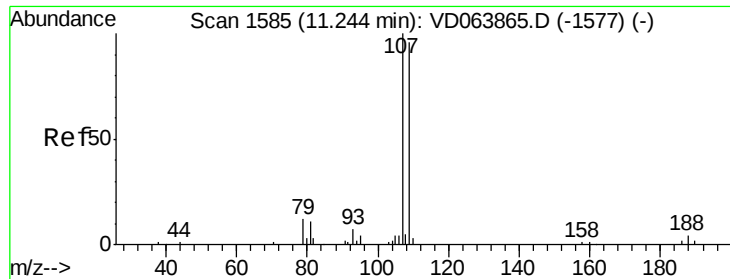
MMDadoda
10/16/2019 12:54:26 AM



#60
Dibromochloromethane
Concen: 53.408 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion: 129 Resp: 104656
Ion Ratio Lower Upper
129 100
127 77.2 39.9 119.6





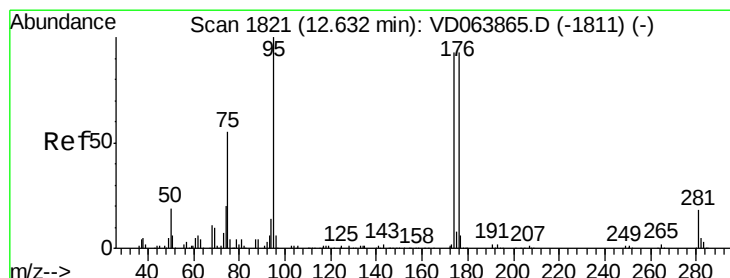
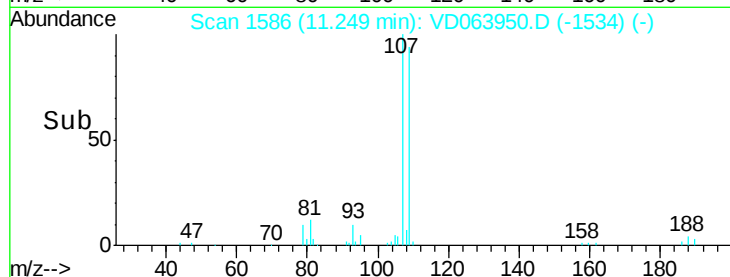
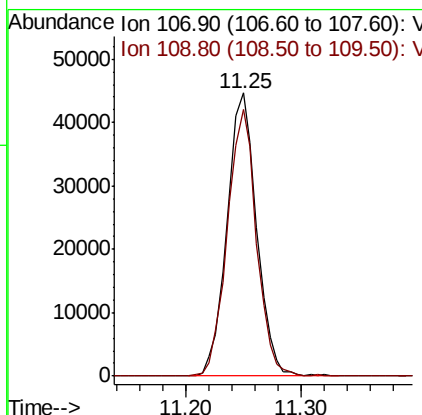
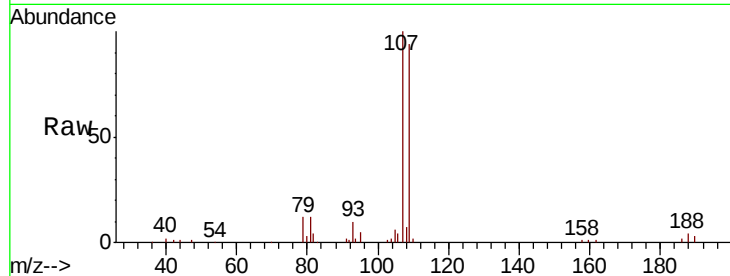
#61
 1,2-Dibromoethane
 Concen: 54.239 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 79144
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.2 112.8

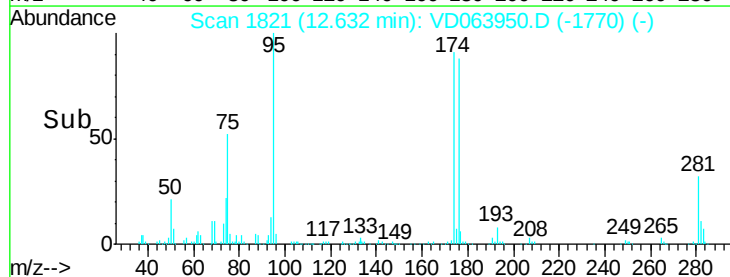
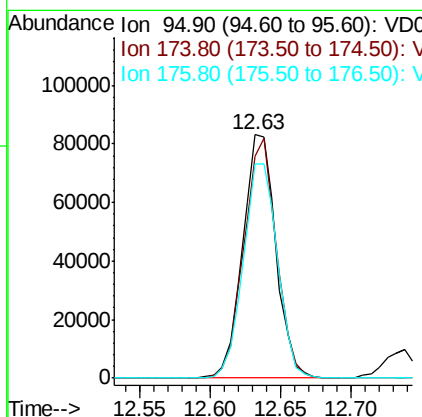
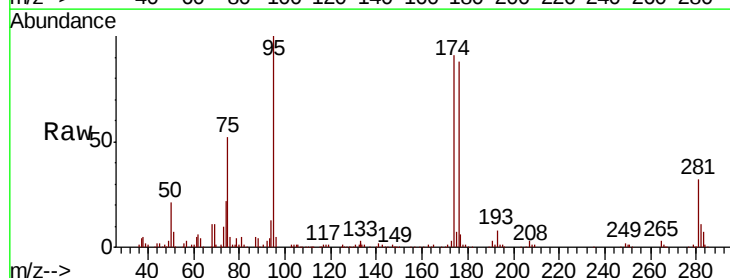
Manual Integrations
 APPROVED

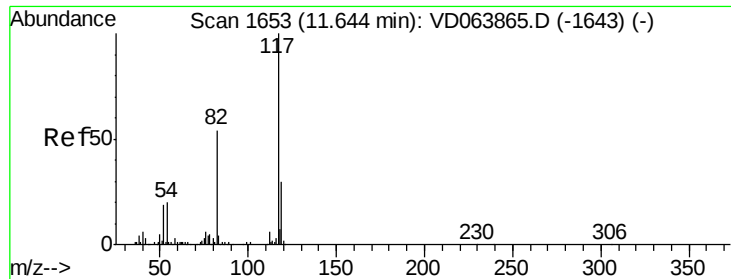
MMDadoda
 10/16/2019 12:54:26 AM



#62
 4-Bromofluorobenzene
 Concen: 54.514 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion: 95 Resp: 137142
 Ion Ratio Lower Upper
 95 100
 174 96.4 0.0 186.4
 176 90.8 0.0 184.2





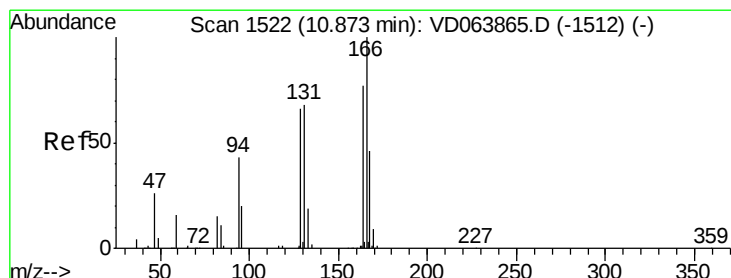
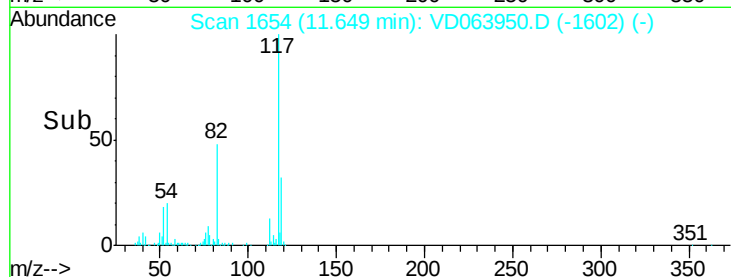
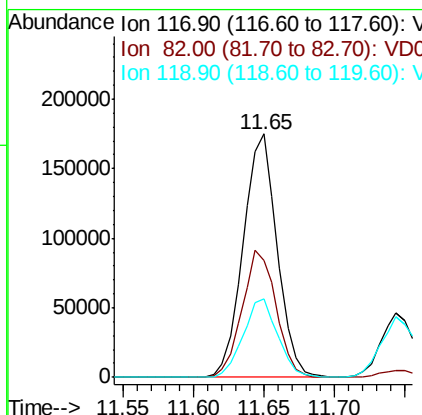
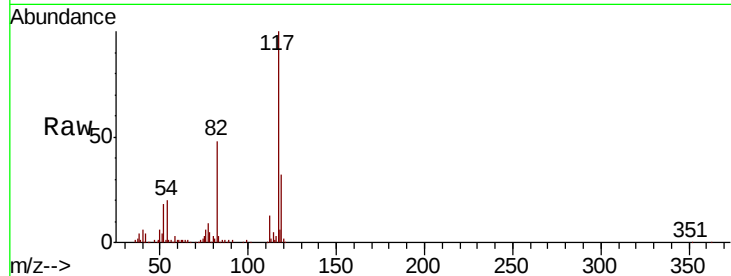
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294837		
82	48.0		42.8	64.2
119	32.3		24.4	36.6

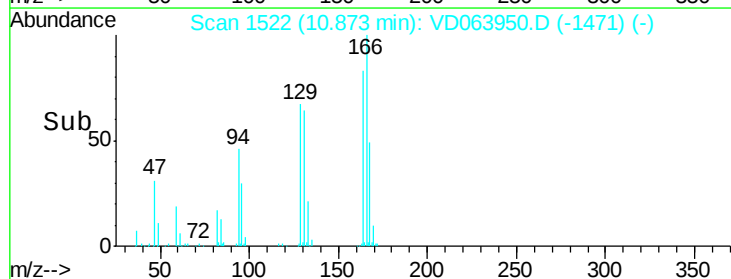
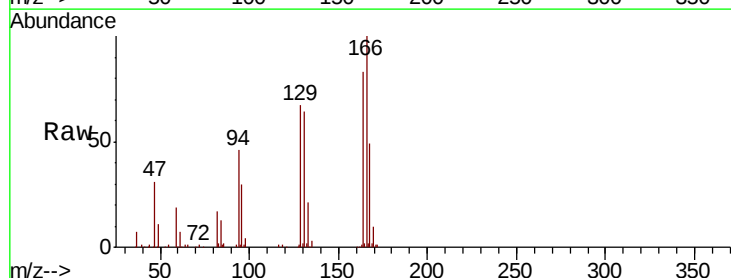
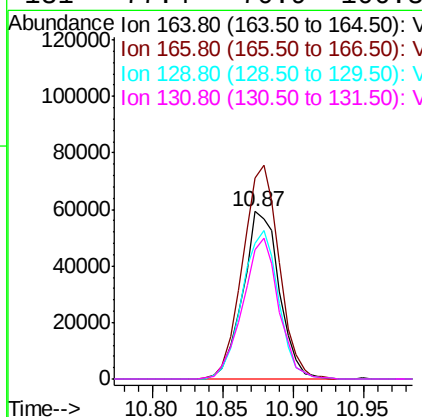
Manual Integrations
APPROVED

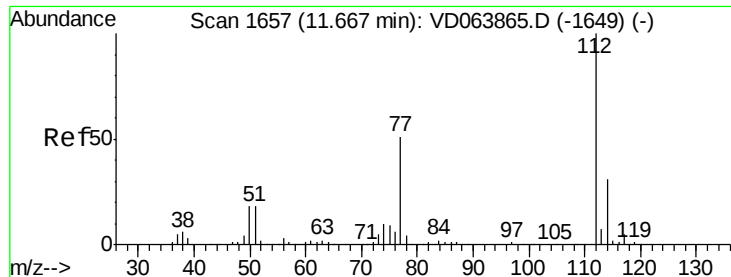
MMDadoda
10/16/2019 12:54:26 AM



#64
Tetrachloroethene
Concen: 53.279 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107240		
166	120.1		103.8	155.6
129	80.8		68.9	103.3
131	77.4		70.9	106.3





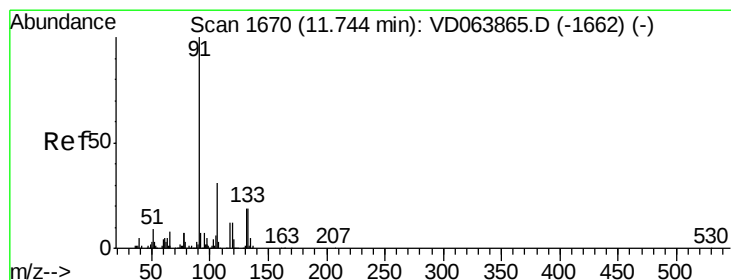
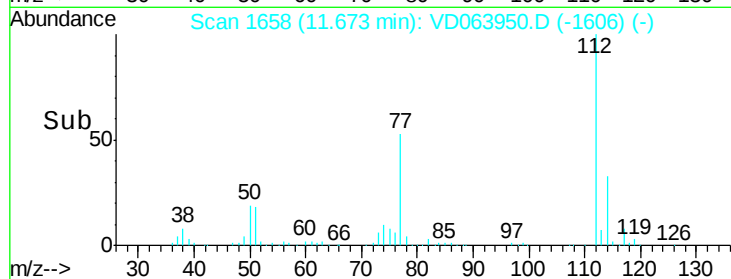
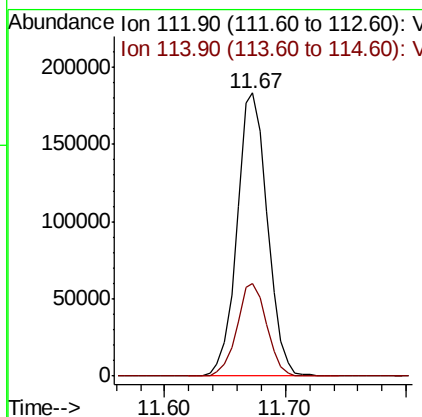
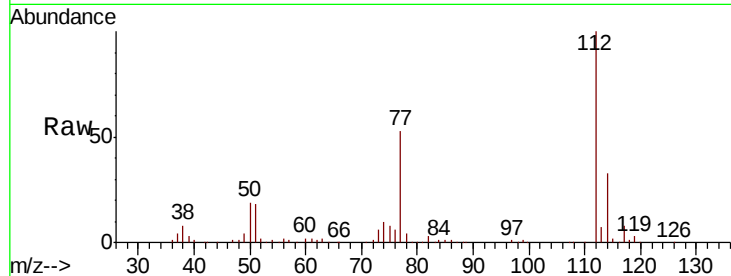
#65
Chlorobenzene
Concen: 54.264 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.1	37.7

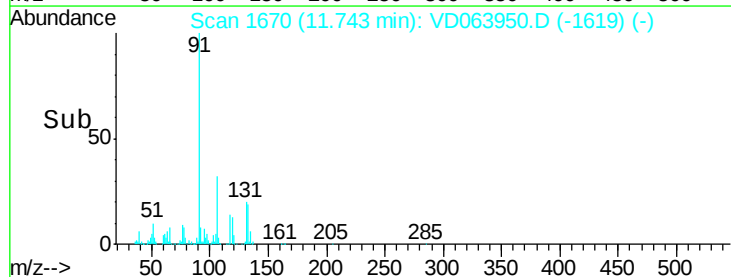
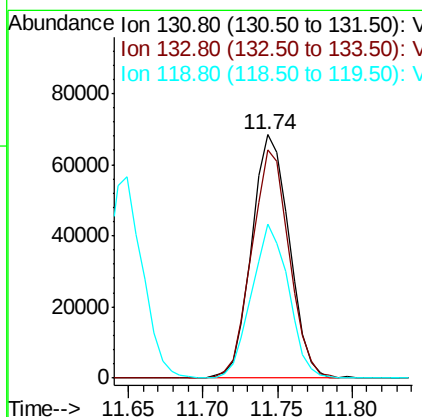
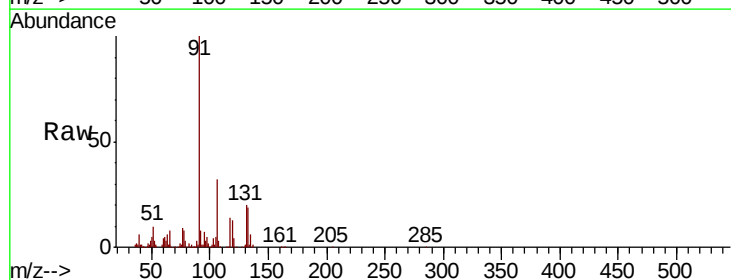
Manual Integrations
APPROVED

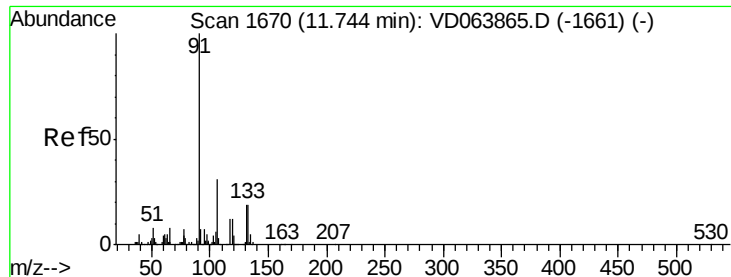
MMDadoda
10/16/2019 12:54:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.605 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	48.9	146.7
119	62.0	32.6	97.8





#67

Ethyl Benzene

Concen: 53.036 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 566256

Ion Ratio Lower Upper

91 100

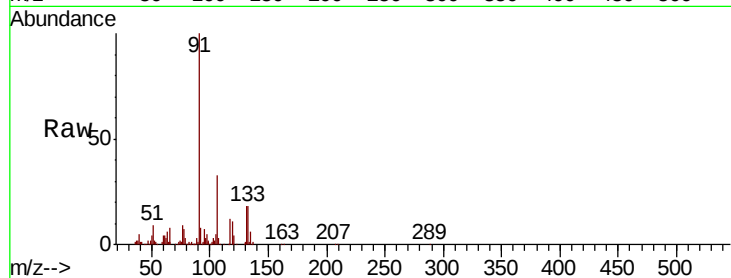
106 33.4 24.6 37.0

Manual Integrations

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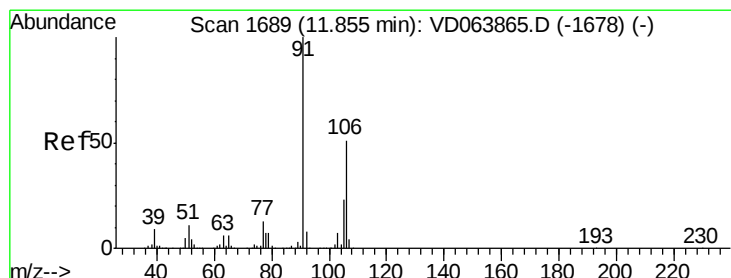
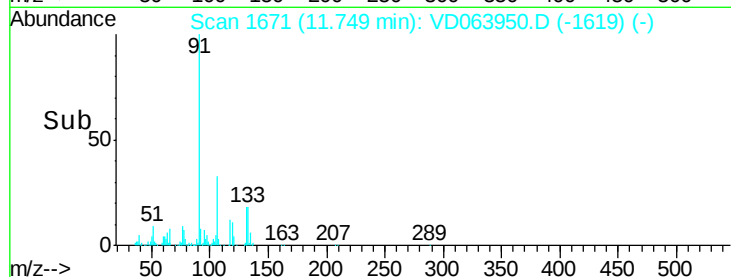
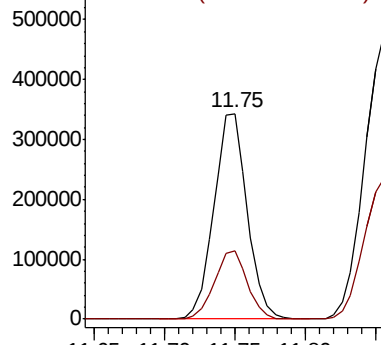
MMDadoda

10/16/2019 12:54:26 AM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 109.269 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063950.D

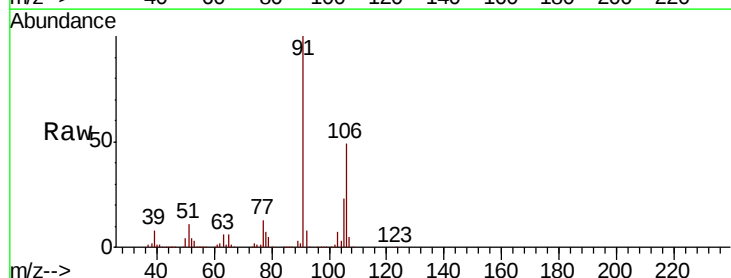
Acq: 14 Oct 2019 12:22

Tgt Ion: 106 Resp: 450304

Ion Ratio Lower Upper

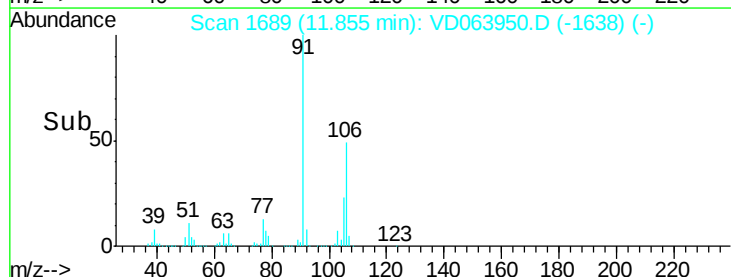
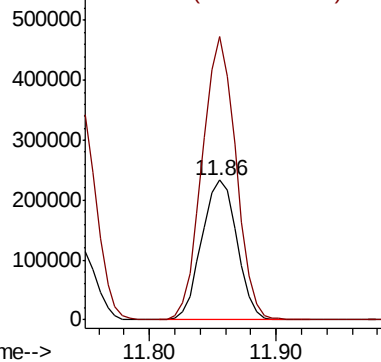
106 100

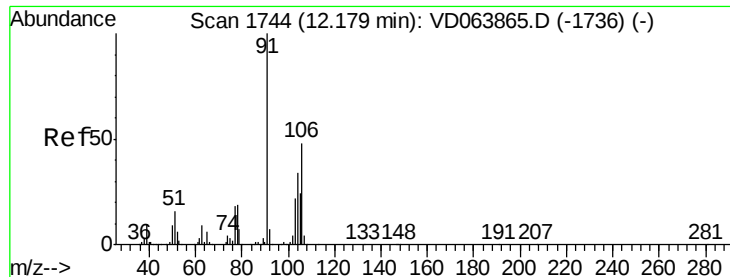
91 193.6 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





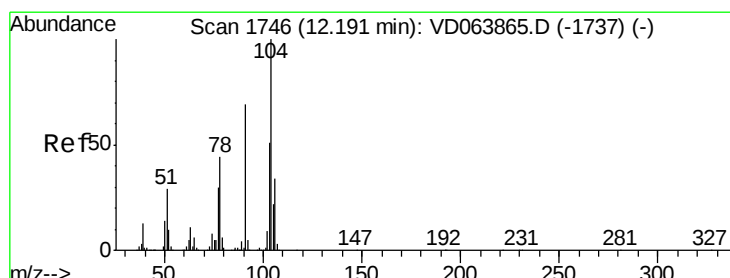
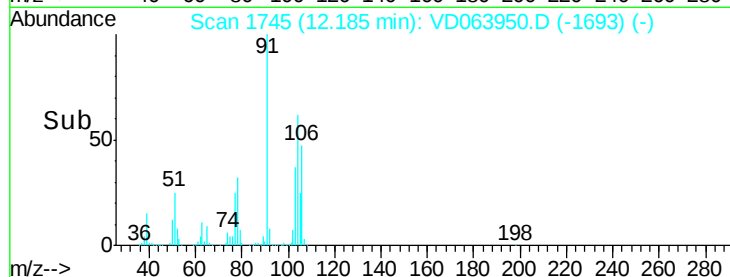
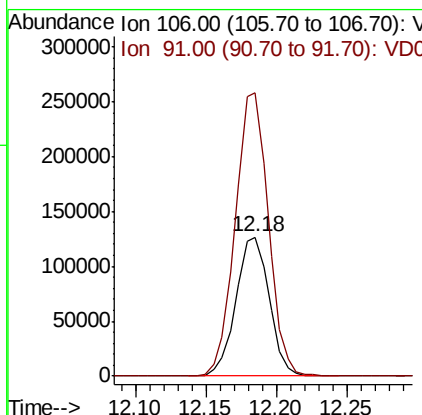
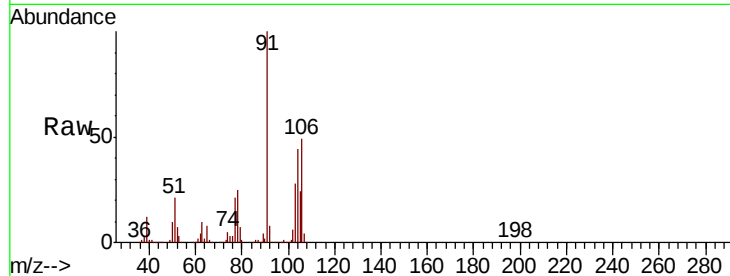
#69
o-Xylene
Concen: 52.789 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	203.4	103.9	311.7	

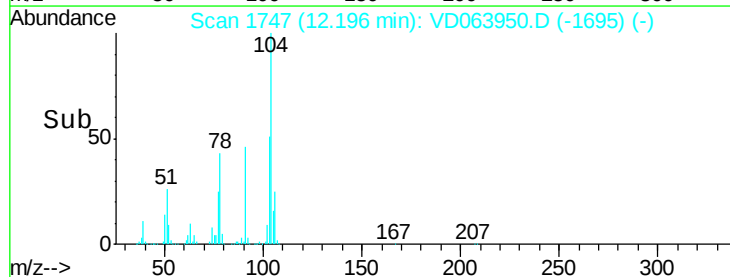
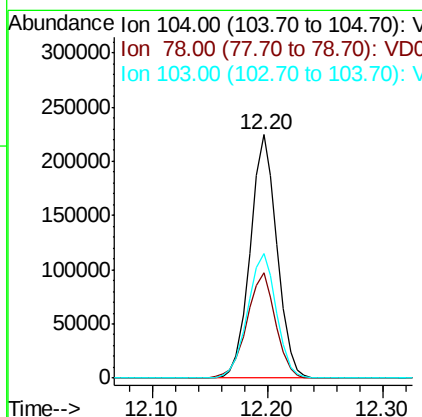
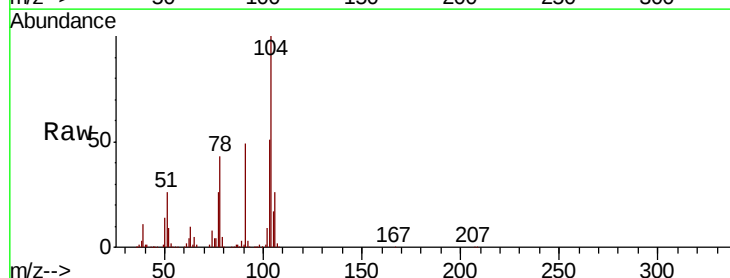
Manual Integrations
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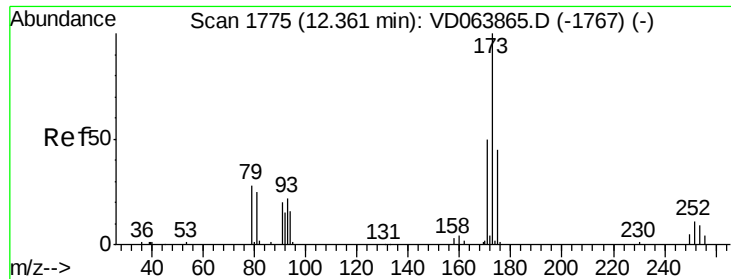
MMDadoda
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#70
Styrene
Concen: 54.035 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.4	37.0	55.4	
103	55.3	44.2	66.4	





#71

Bromoform

Concen: 55.465 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

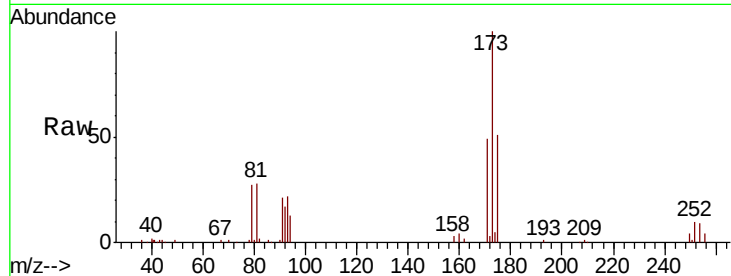
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.0	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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10/16/2019 12:54:26 AM

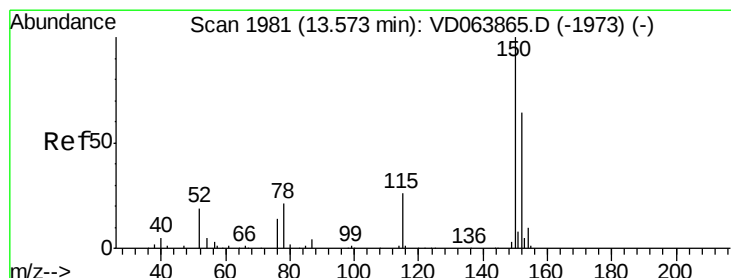
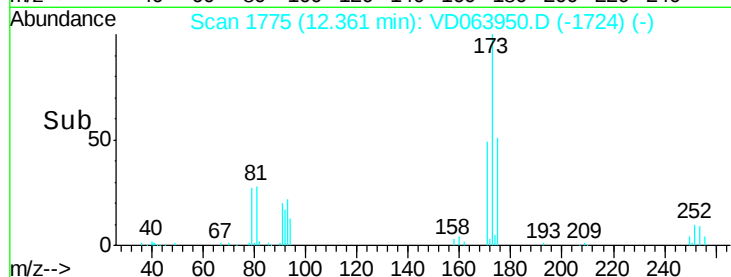
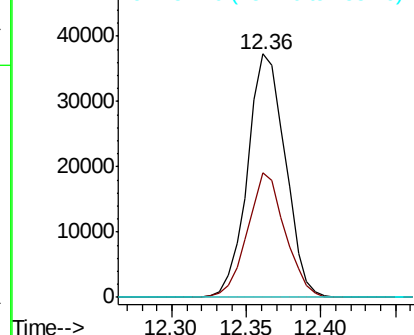


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

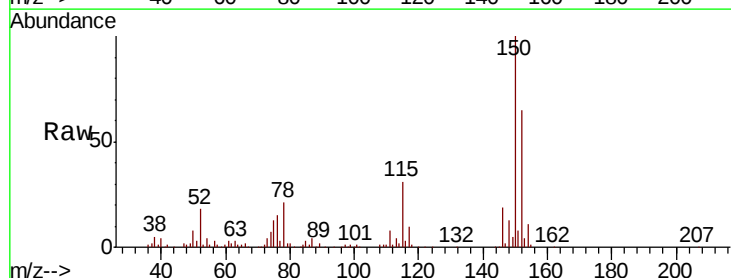
RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.4	25.9	77.7
150	170.7	0.0	344.2

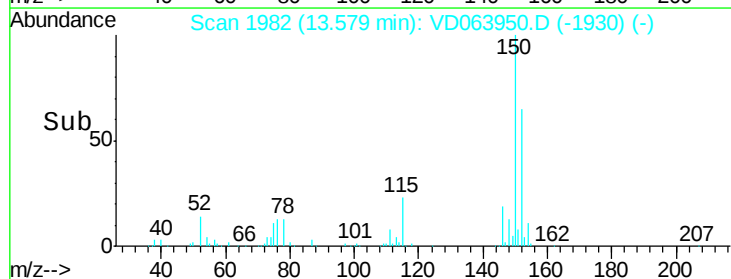
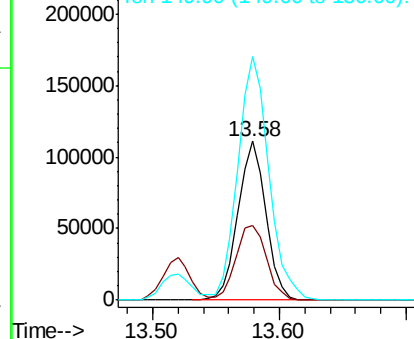


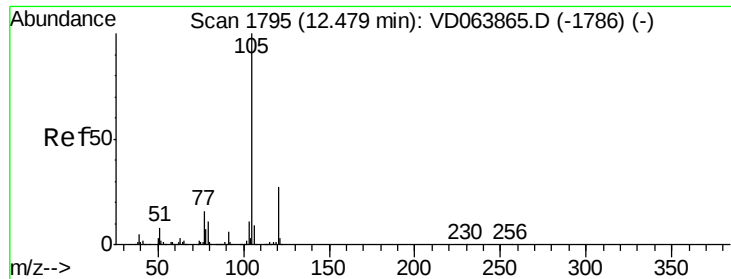
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.782 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 575324

Ion Ratio Lower Upper

105 100

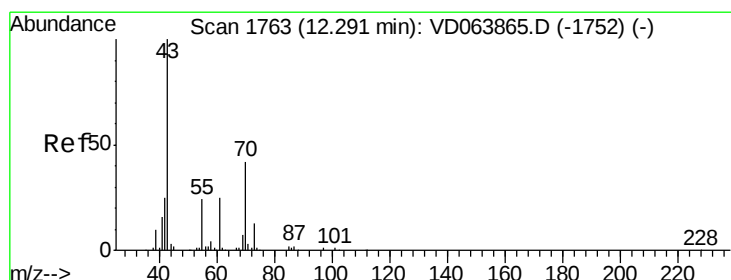
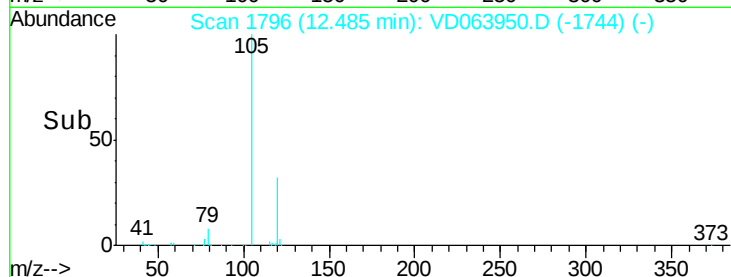
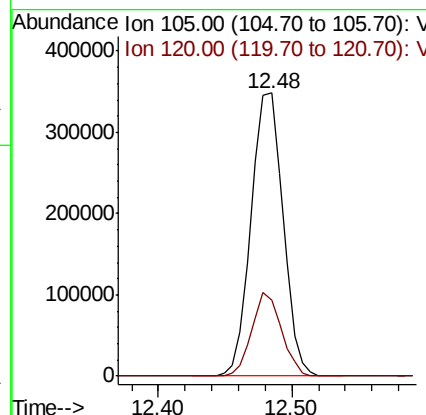
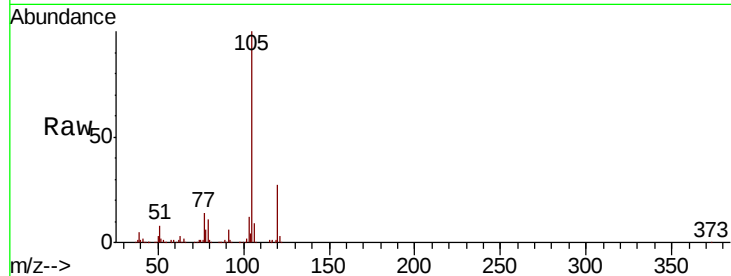
120 27.5 13.3 39.8

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 45.545 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion: 43 Resp: 111093

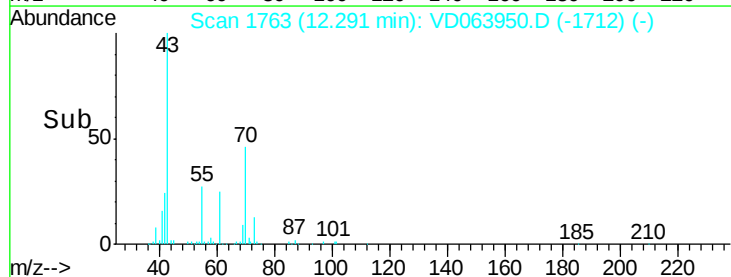
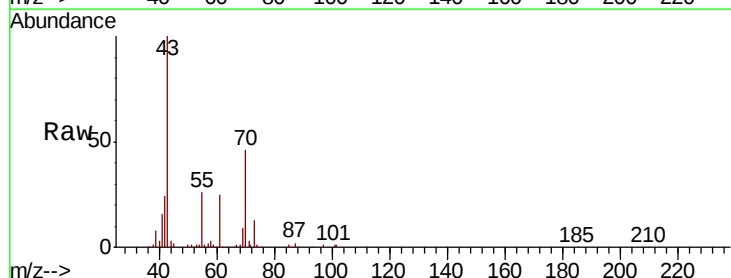
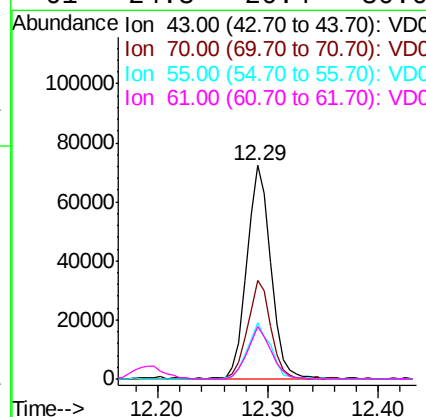
Ion Ratio Lower Upper

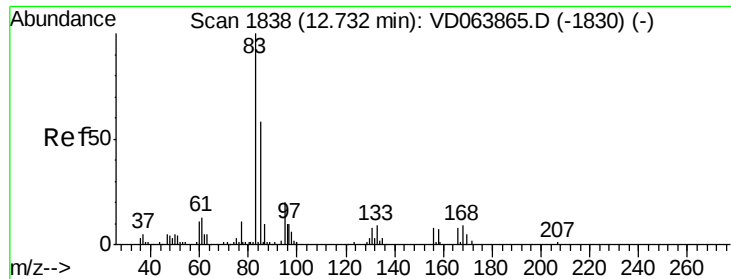
43 100

70 44.5 35.8 53.6

55 25.9 19.4 29.0

61 24.3 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.802 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

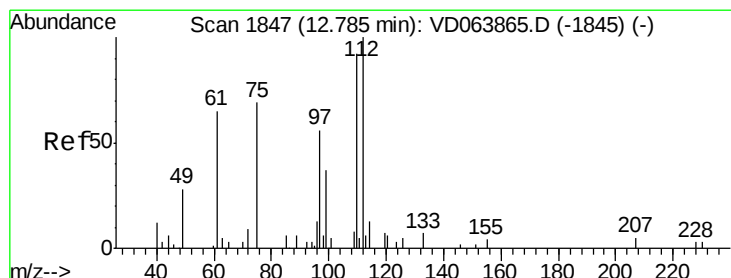
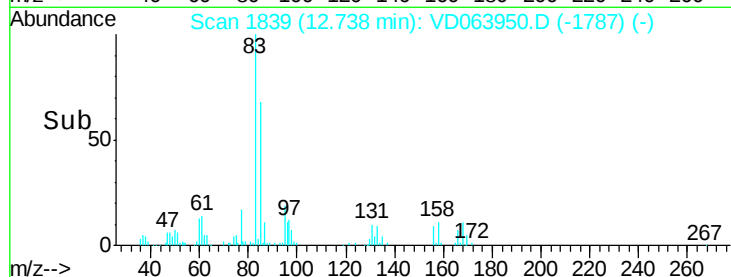
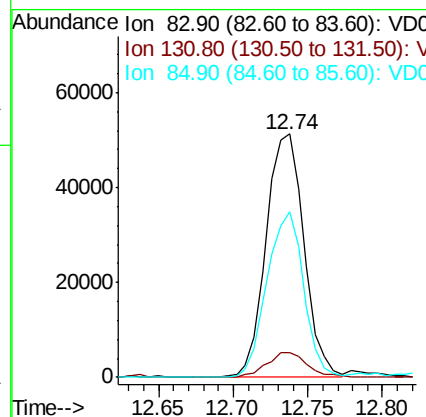
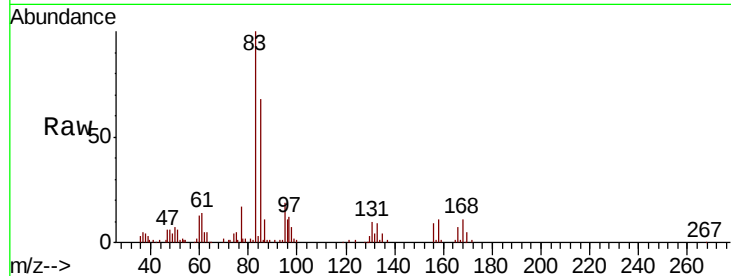
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	90297
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.6	16.8
85	65.8	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 67.317 ug/l m

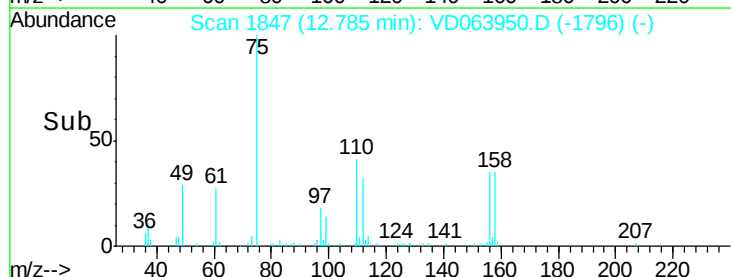
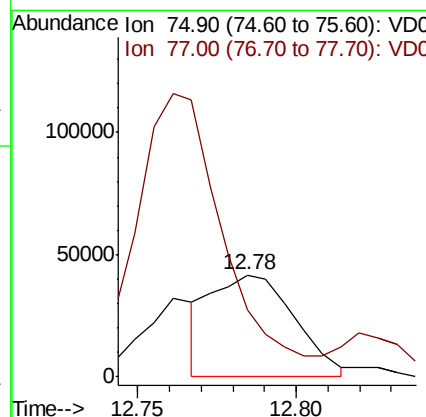
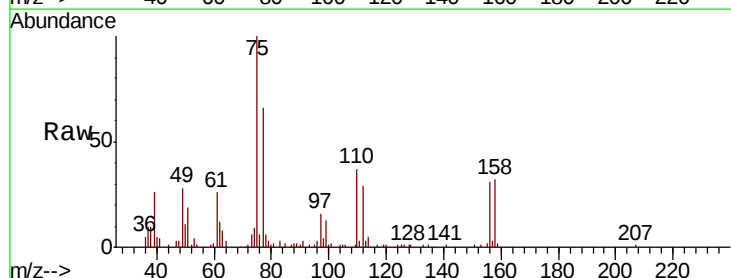
RT: 12.78 min Scan# 1847

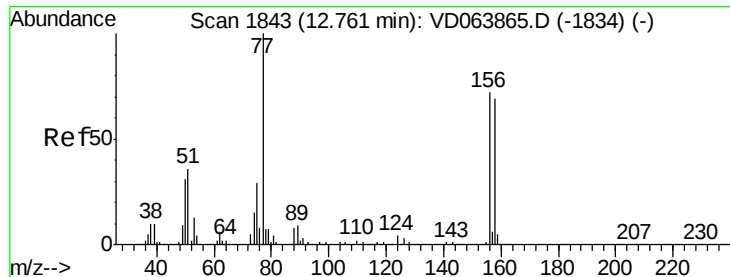
Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion:	75	Resp:	75984
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





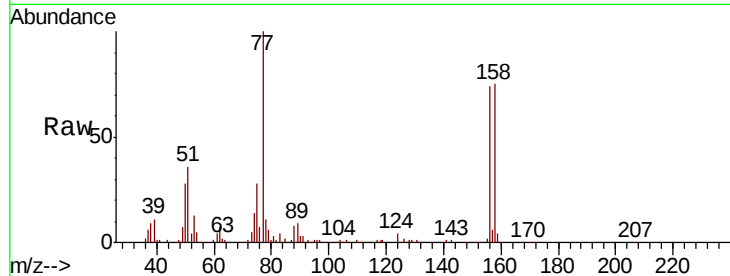
#77
Bromobenzene
Concen: 50.113 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.1	80.3	241.0
158	99.6	47.4	142.2

Manual Integrations
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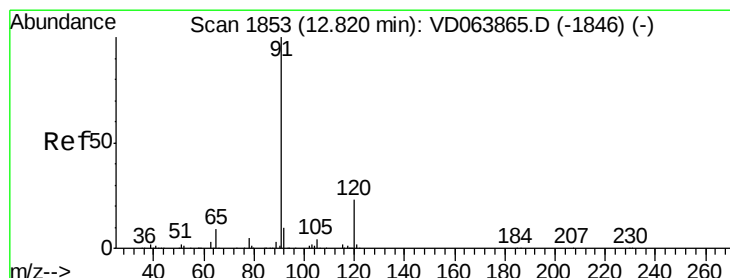
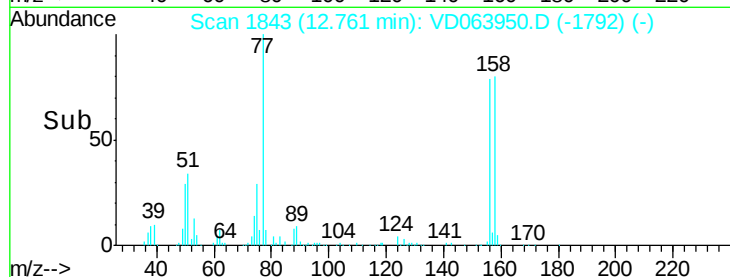
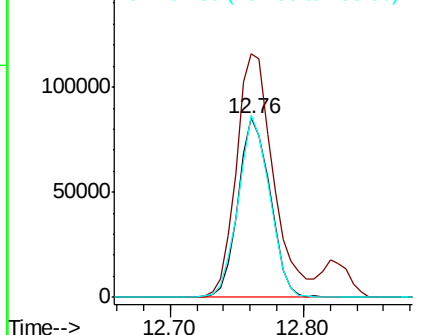


Abundance

Ion 155.80 (155.50 to 156.50): V

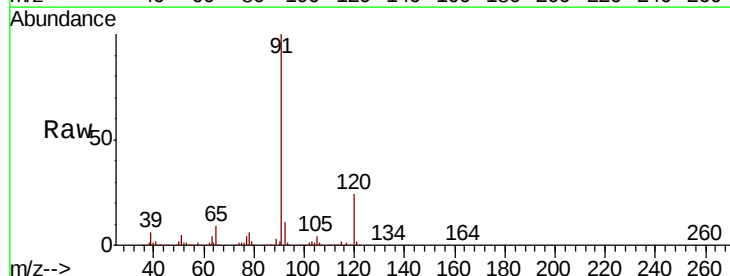
Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 50.390 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

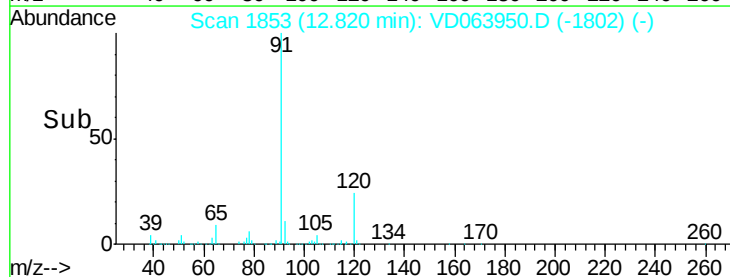
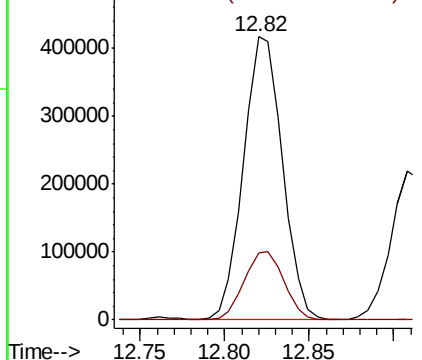
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.0	36.0

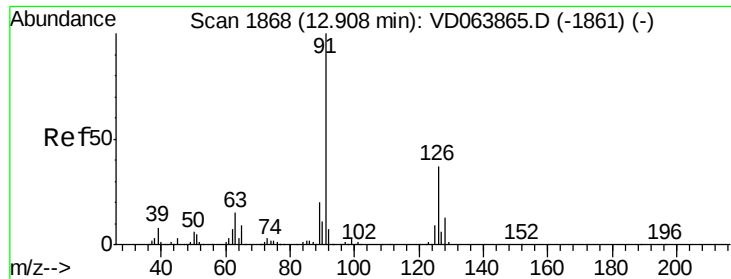


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.978 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 359136

Ion Ratio Lower Upper

91 100

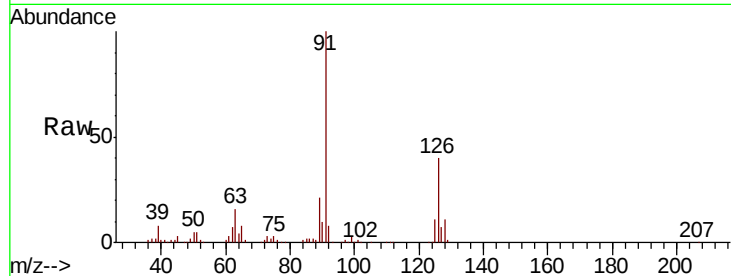
126 38.4 18.4 55.2

Manual Integrations

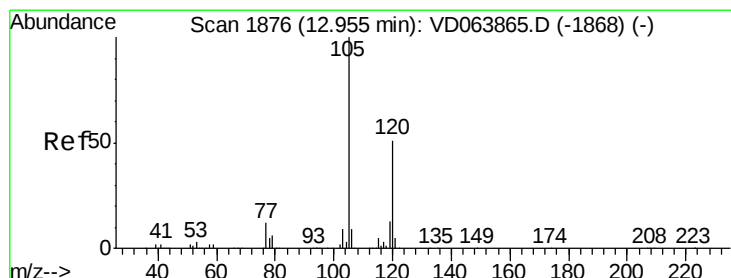
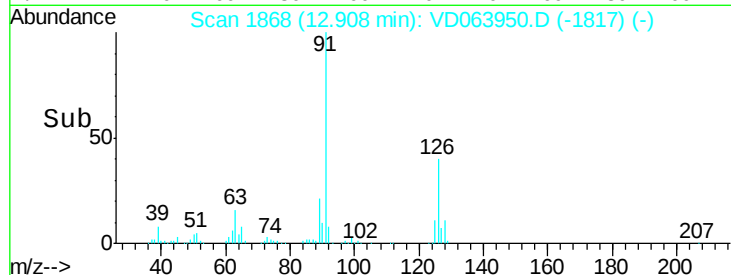
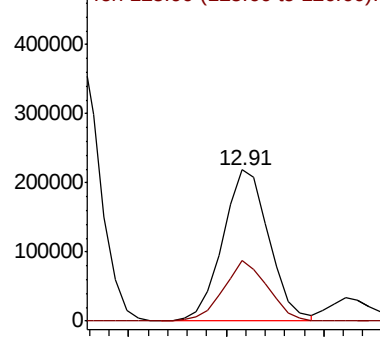
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 51.220 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063950.D

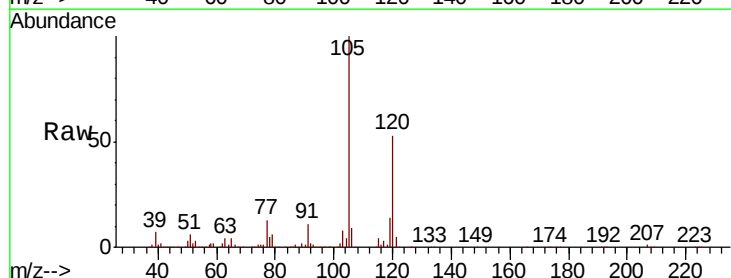
Acq: 14 Oct 2019 12:22

Tgt Ion:105 Resp: 484116

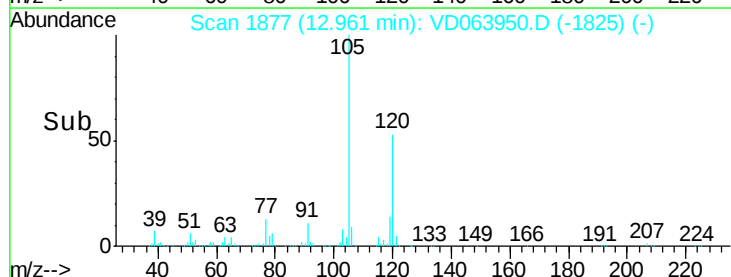
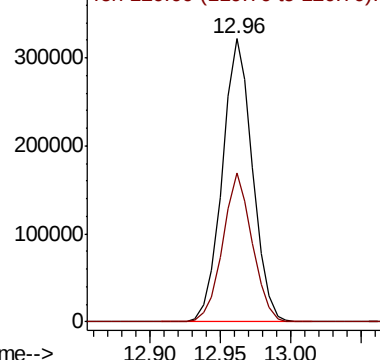
Ion Ratio Lower Upper

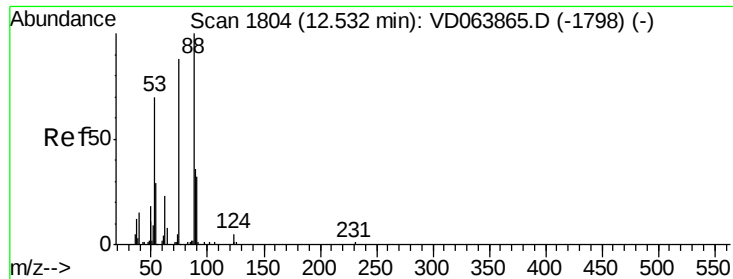
105 100

120 51.5 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.484 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 30288

Ion Ratio Lower Upper

75 100

53 95.6 75.0 112.6

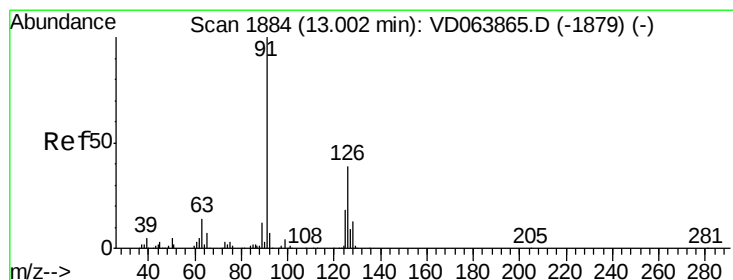
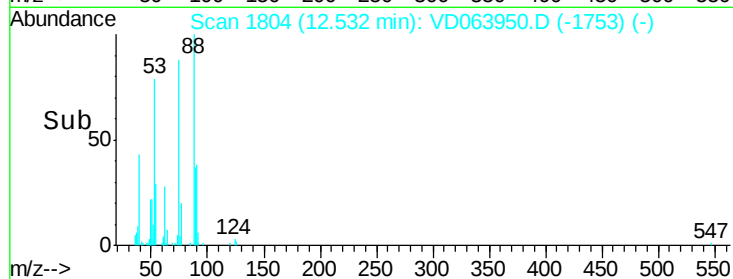
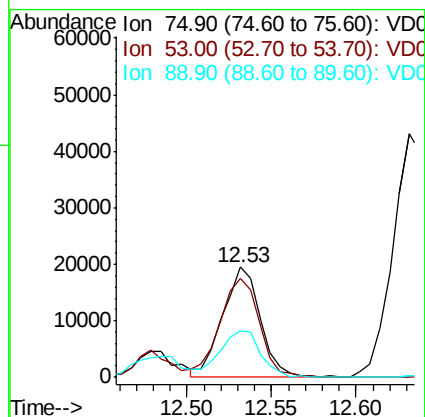
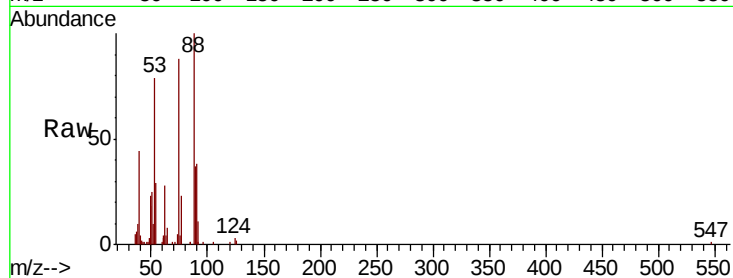
89 46.2 38.2 57.4

Manual Integrations

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#82

4-Chlorotoluene

Concen: 49.187 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063950.D

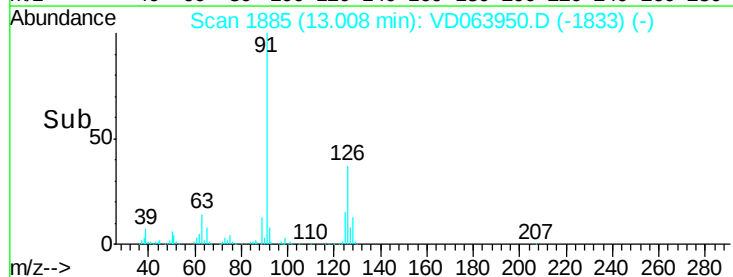
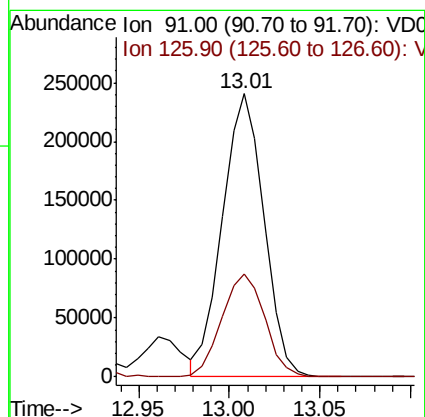
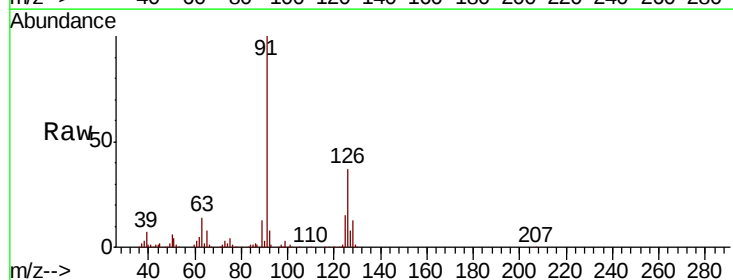
Acq: 14 Oct 2019 12:22

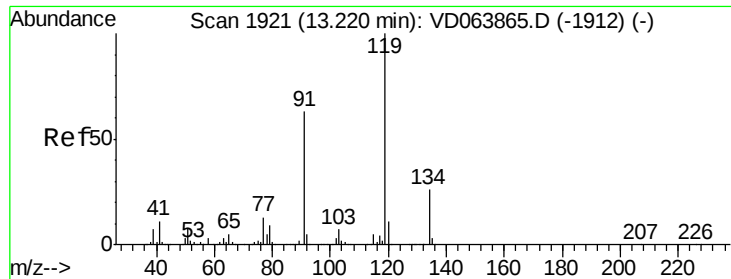
Tgt Ion: 91 Resp: 382600

Ion Ratio Lower Upper

91 100

126 37.8 18.6 55.8





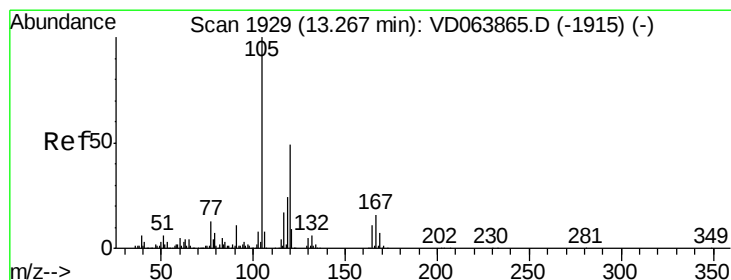
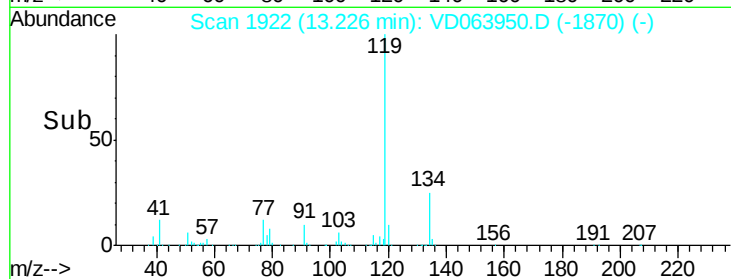
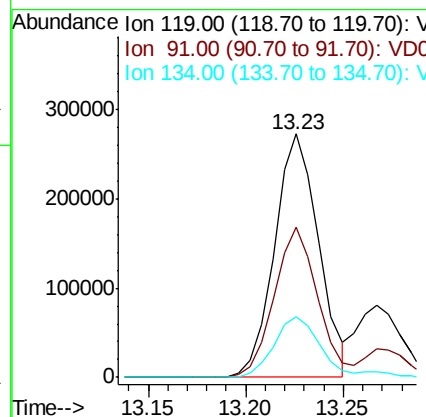
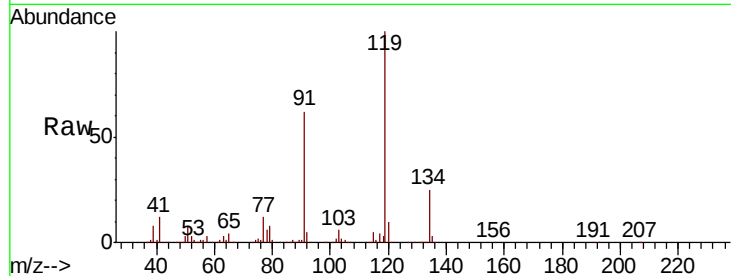
#83
tert-Butylbenzene
Concen: 50.540 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.0	90.0
134	27.7	13.0	38.9

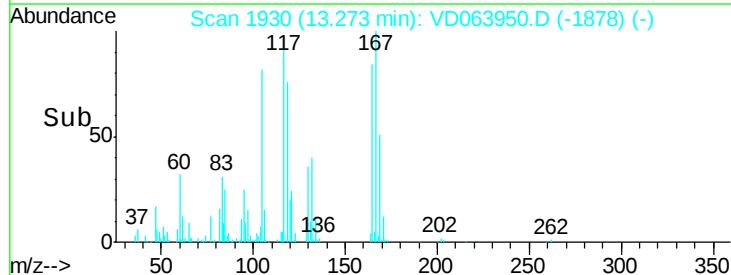
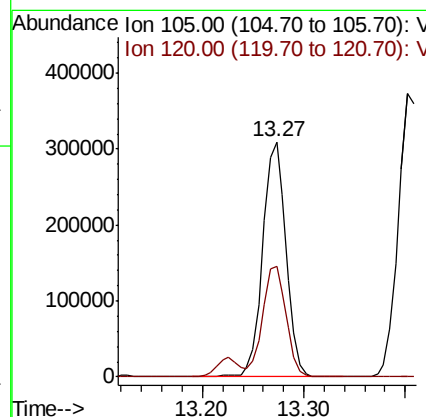
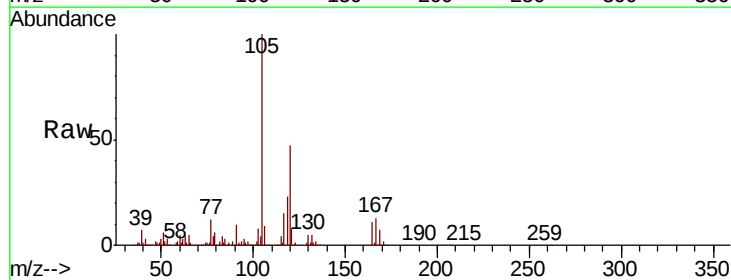
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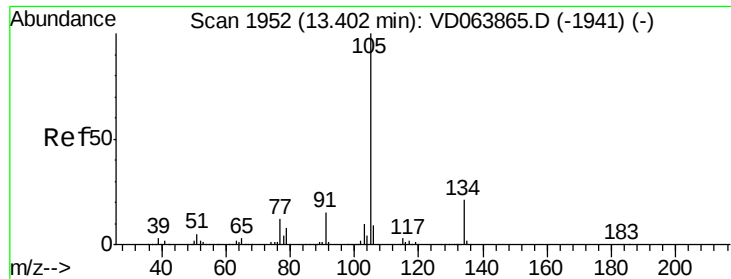
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#84
1,2,4-Trimethylbenzene
Concen: 50.928 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5





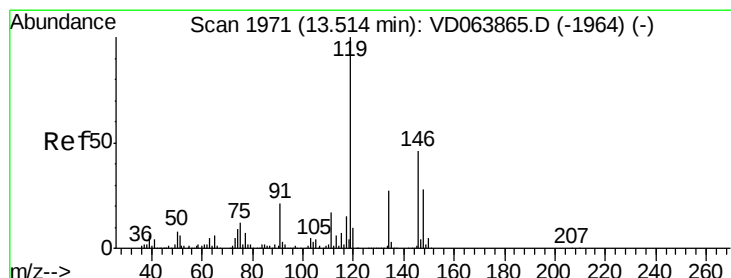
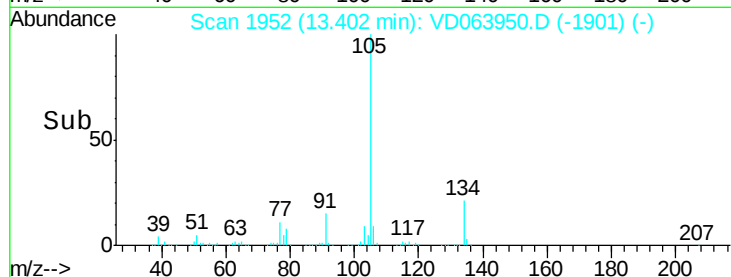
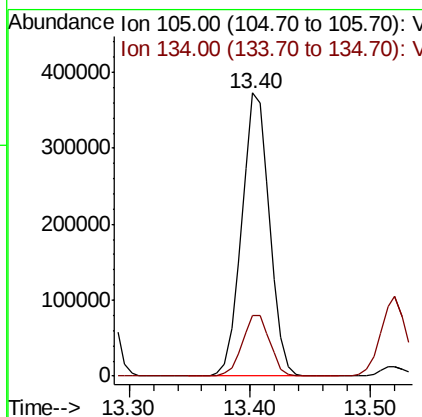
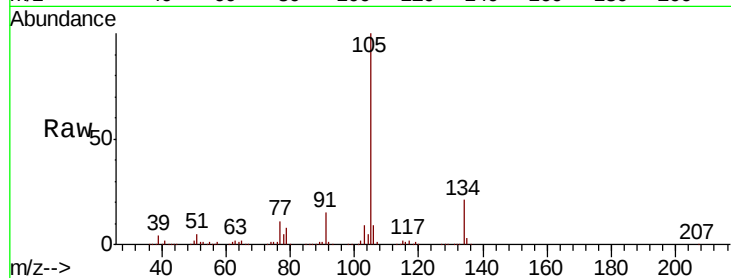
#85
 sec-Butylbenzene
 Concen: 52.591 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.6	31.8

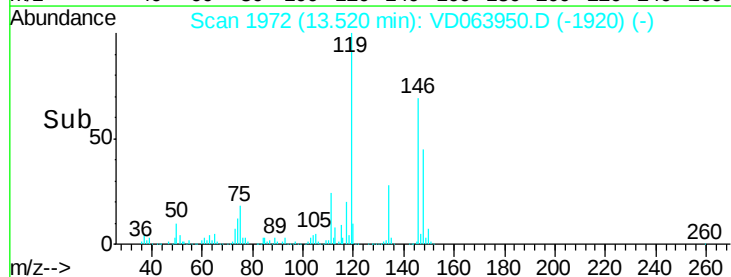
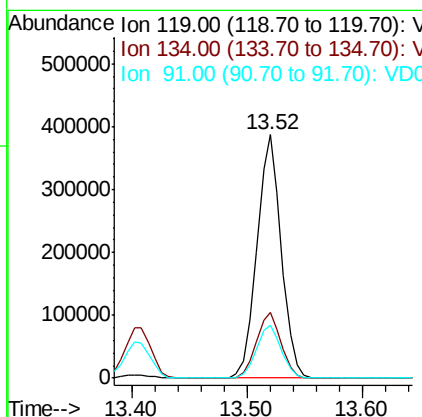
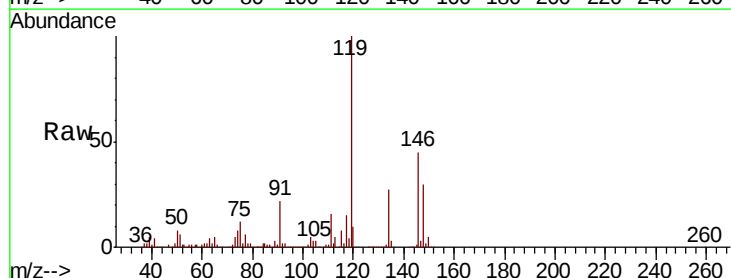
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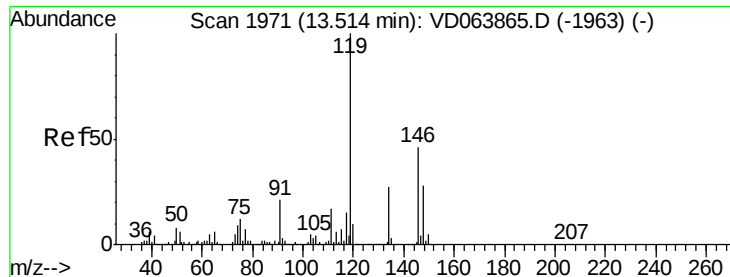
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#86
 p-Isopropyltoluene
 Concen: 52.745 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.9	41.6
91	22.1	11.2	33.5





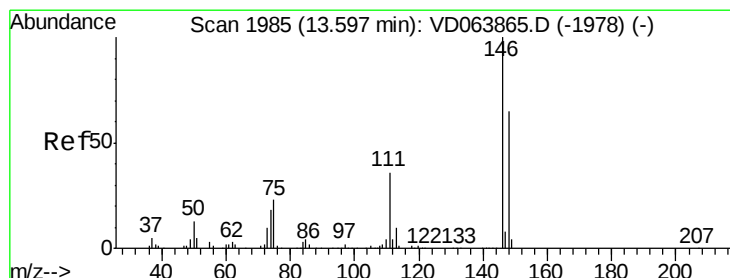
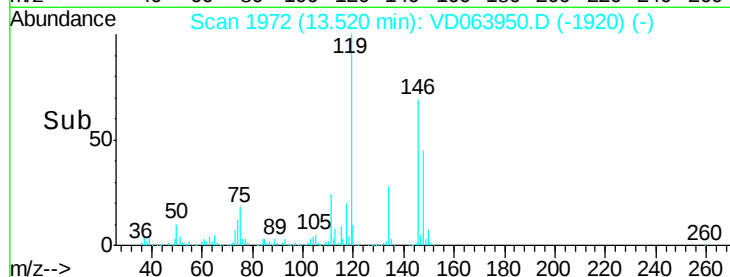
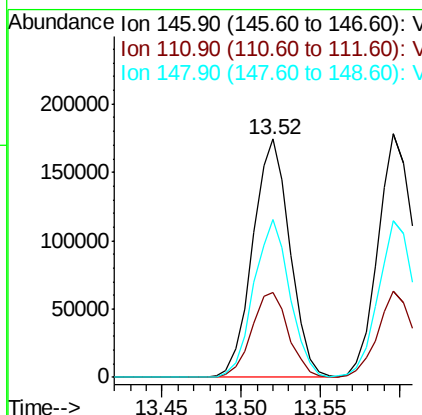
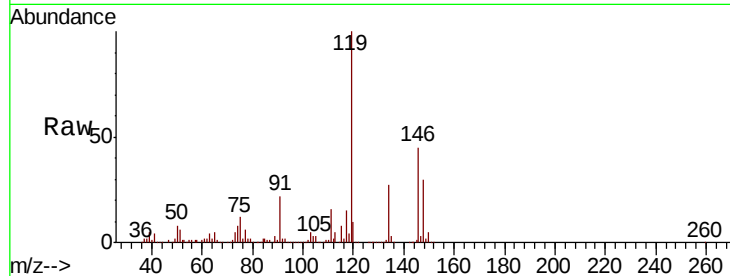
#87
 1,3-Dichlorobenzene
 Concen: 50.917 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	283976		
111	35.7	18.3	54.9	
148	64.6	31.8	95.4	

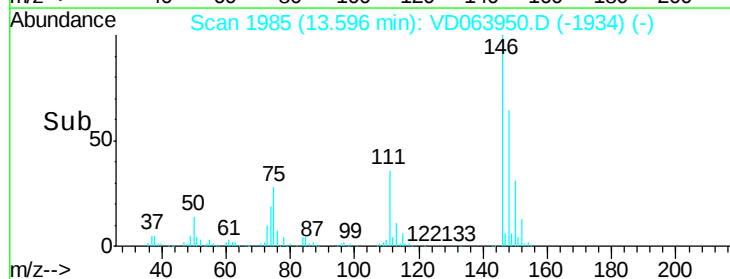
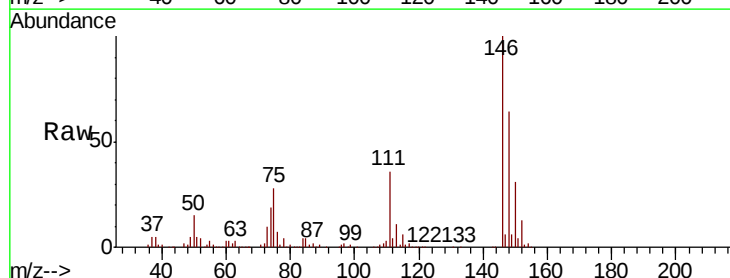
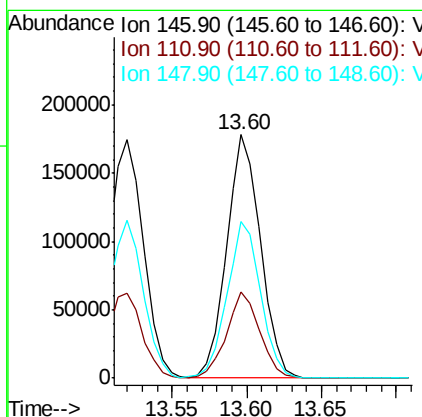
Manual Integrations
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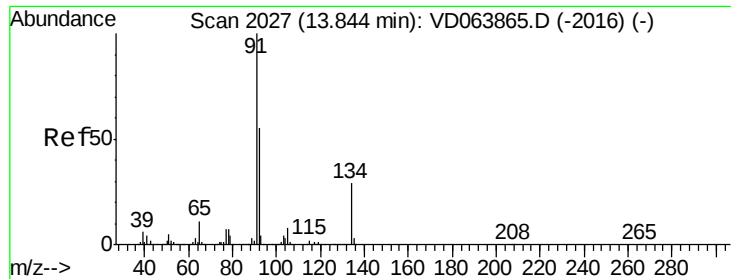
MMDadoda
 10/16/2019 12:54:26 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.268 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	282082		
111	34.8	18.6	56.0	
148	63.8	32.6	98.0	





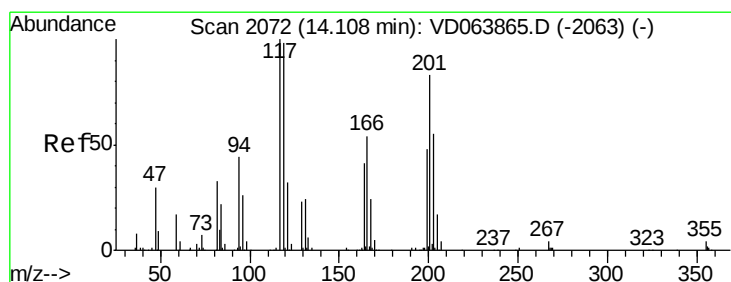
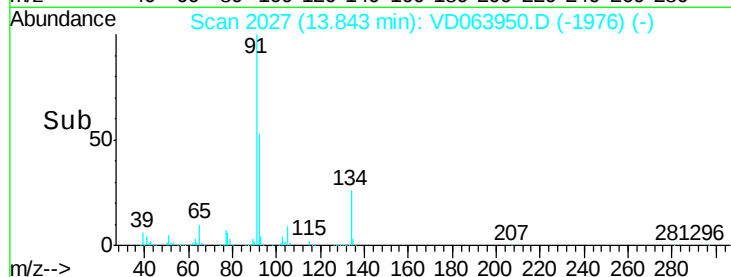
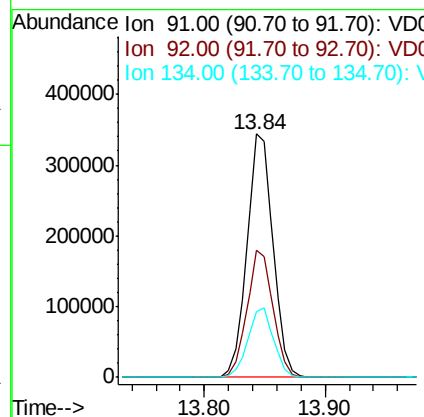
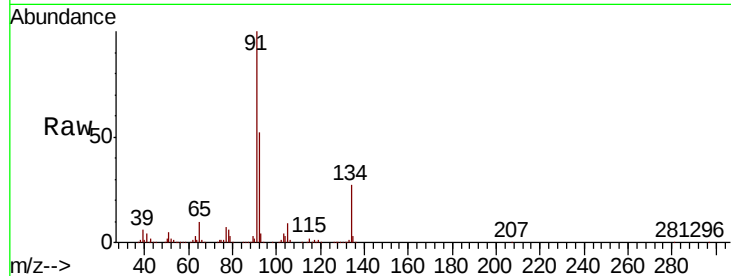
#89
n-Butylbenzene
Concen: 51.762 ug/l
RT: 13.84 min Scan# 2077
Delta R.T. -0.00 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.8	80.3
134	28.0	14.4	43.0

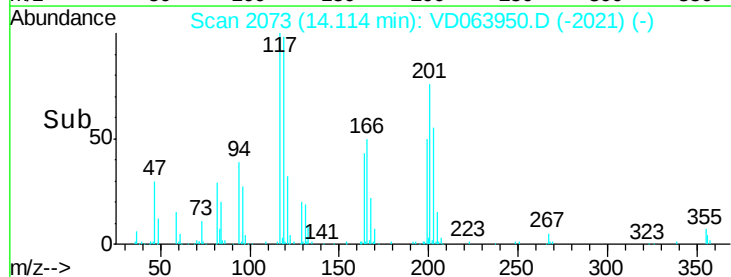
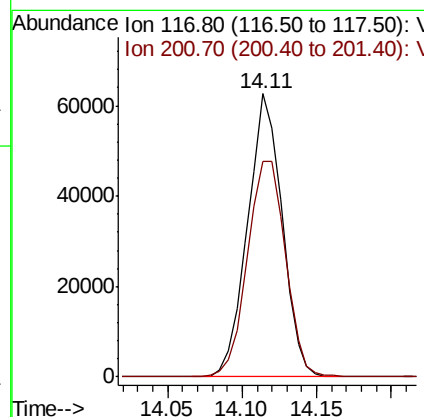
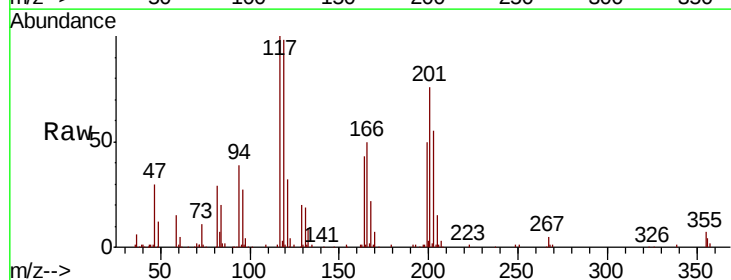
Manual Integrations
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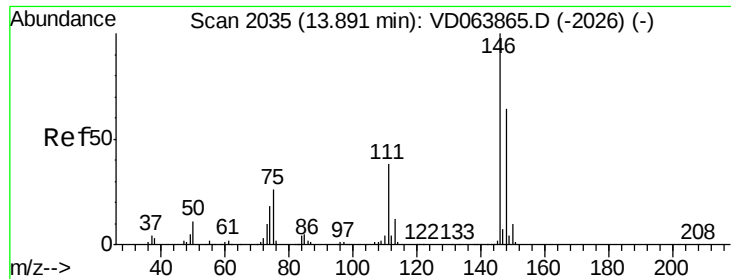
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#90
Hexachloroethane
Concen: 51.772 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 51.123 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Instrument :

MSVOA_D

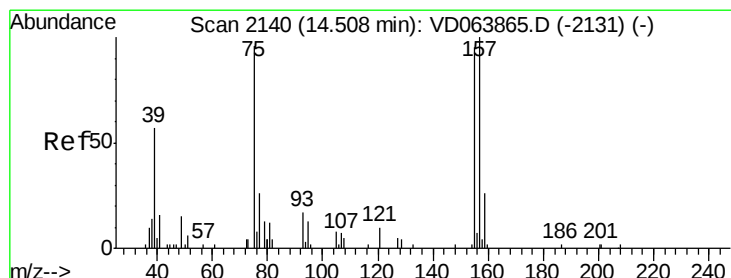
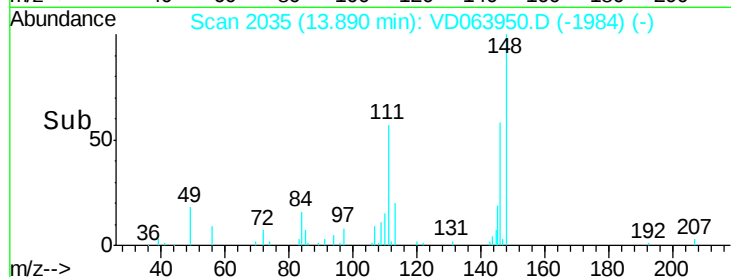
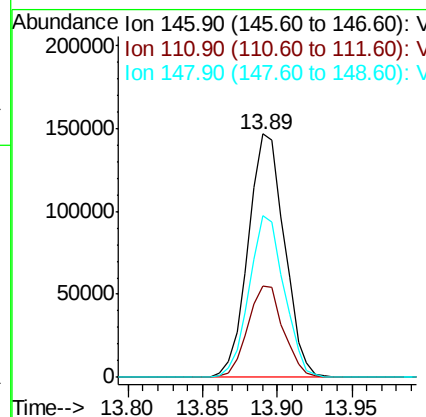
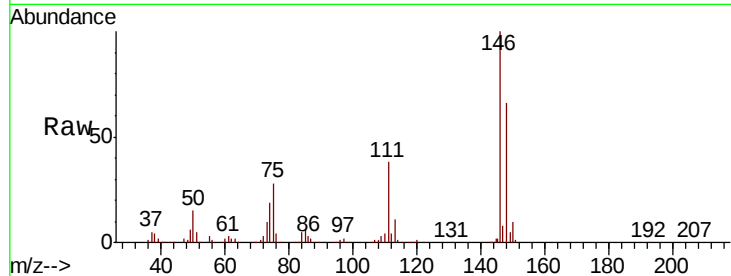
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	245712
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.6	55.6
148	64.3	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.407 ug/l

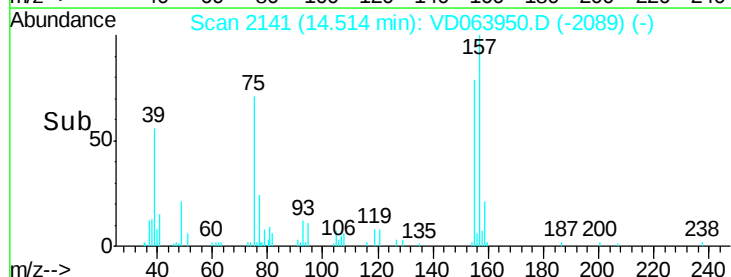
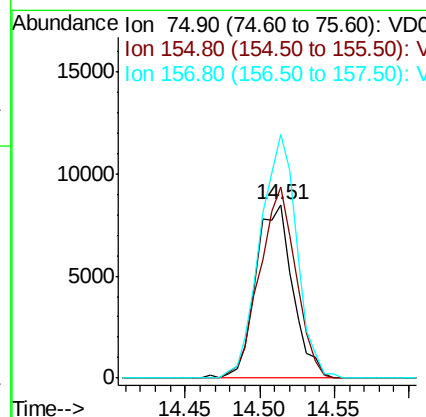
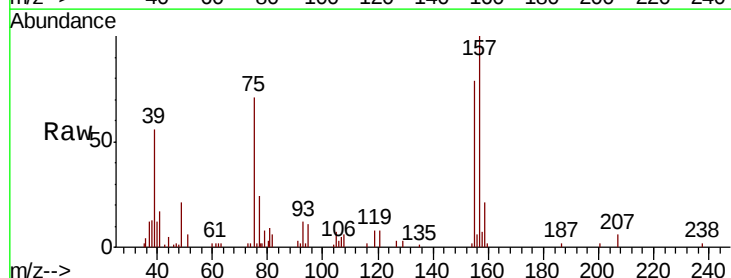
RT: 14.51 min Scan# 2141

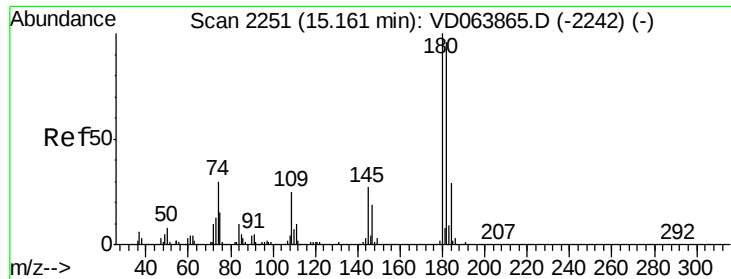
Delta R.T. 0.01 min

Lab File: VD063950.D

Acq: 14 Oct 2019 12:22

Tgt Ion:	75	Resp:	14560
Ion Ratio	Lower	Upper	
75	100		
155	107.2	43.9	131.6
157	139.1	56.0	167.9





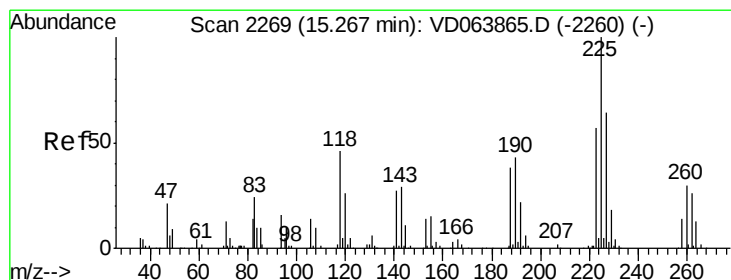
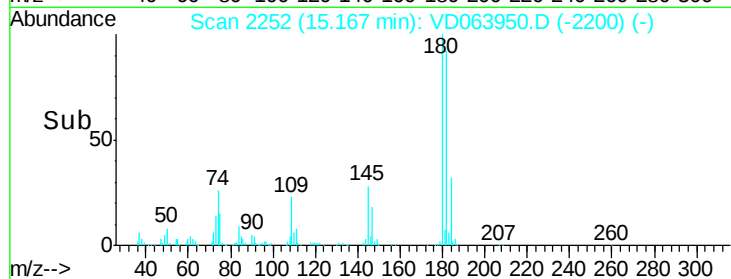
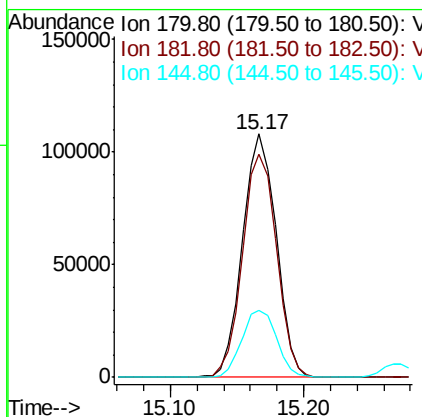
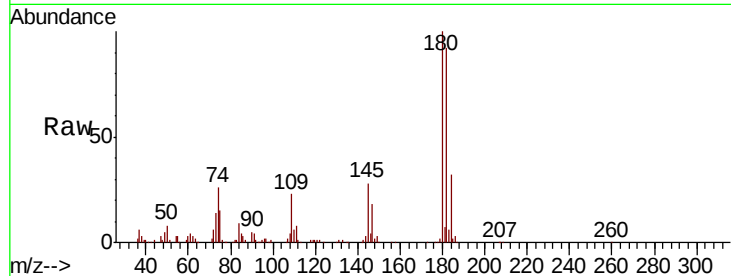
#93
 1,2,4-Trichlorobenzene
 Concen: 50.811 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	188436		
182	92.7	47.4	142.3	
145	28.5	13.9	41.7	

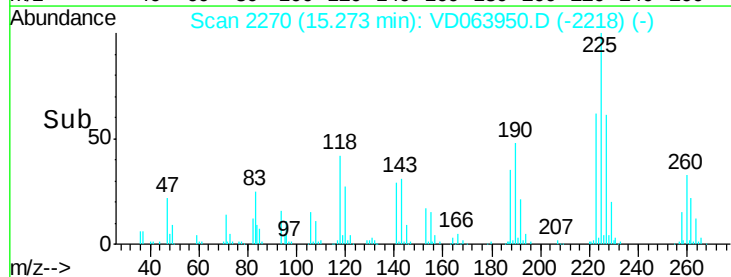
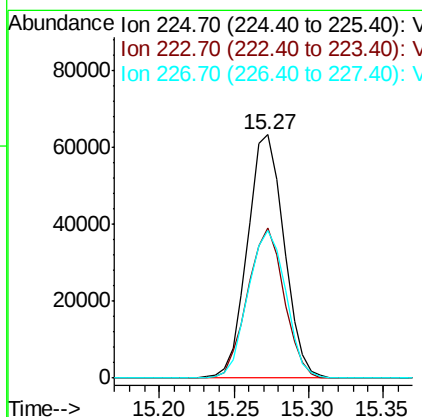
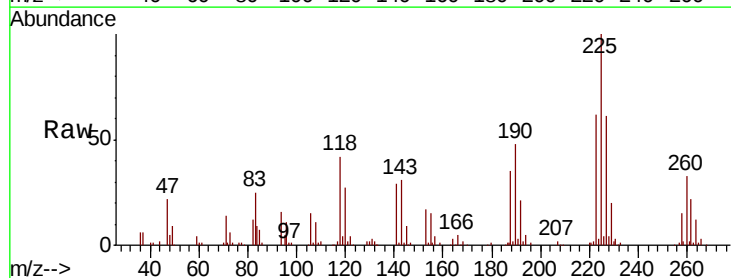
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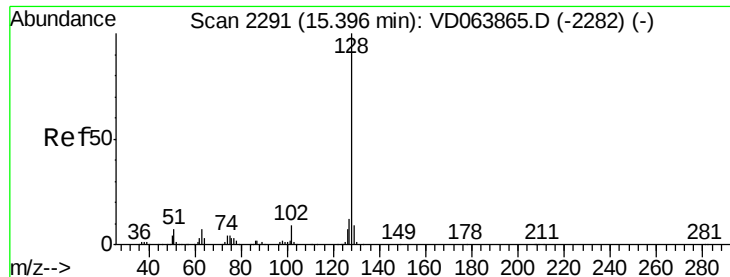
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#94
 Hexachlorobutadiene
 Concen: 52.518 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063950.D
 Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107480		
223	61.6	29.5	88.6	
227	62.7	30.8	92.4	





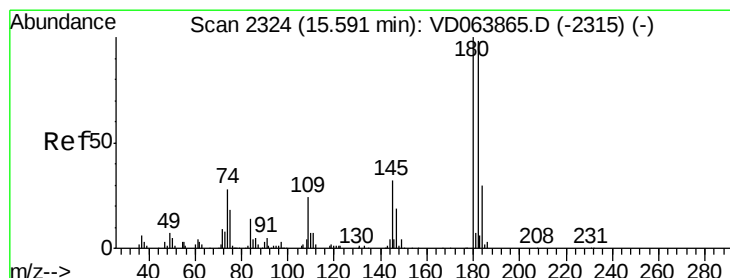
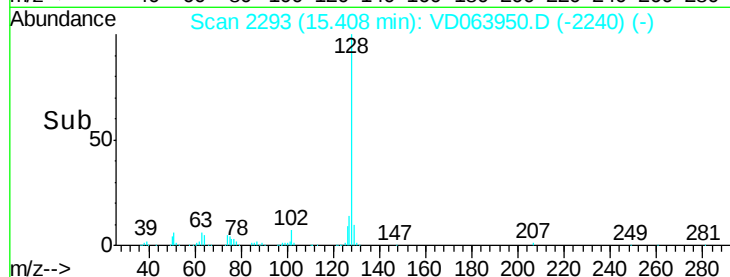
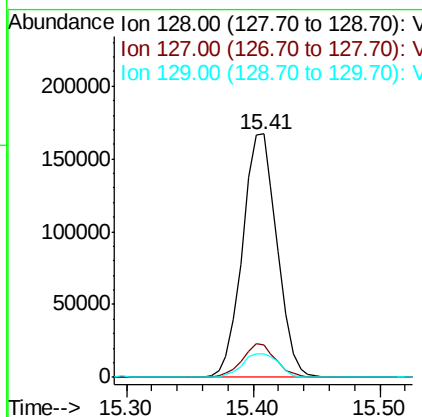
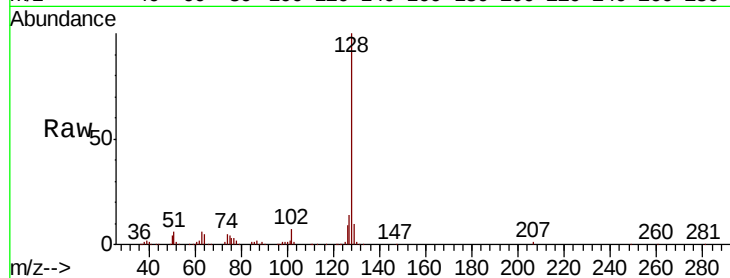
#95
Naphthalene
Concen: 50.689 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.3	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 50.423 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063950.D
Acq: 14 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.0	141.0
145	29.3	15.3	45.9

