

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063963.D
 Acq On : 15 Oct 2019 10:48
 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
 10/18/2019 12:41:39 AM

Quant Time: Oct 16 02:20:26 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	210300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	327573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	323413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	89391	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
35) Dibromofluoromethane	7.92	113	95502	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
50) Toluene-d8	10.34	98	400388	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.63	95	134326	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76010	50.966	ug/l	97
3) Chloromethane	2.21	50	213094	53.174	ug/l	99
4) Vinyl Chloride	2.35	62	255323	52.969	ug/l	100
5) Bromomethane	2.77	94	150463	48.554	ug/l	92
6) Chloroethane	2.93	64	164740	51.679	ug/l	95
7) Trichlorofluoromethane	3.27	101	350560	55.007	ug/l	98
8) Diethyl Ether	3.71	74	48516	47.429	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98948	56.089	ug/l	94
10) Methyl Iodide	4.29	142	124306	51.137	ug/l	99
11) Tert butyl alcohol	5.24	59	28854m	201.293	ug/l	
12) 1,1-Dichloroethene	4.06	96	92938	52.731	ug/l	95
13) Acrolein	3.93	56	39578	216.434	ug/l	93
14) Allyl chloride	4.71	41	141953	48.444	ug/l	97
15) Acrylonitrile	5.43	53	109731	243.311	ug/l	98
16) Acetone	4.16	43	138142	259.150	ug/l	91
17) Carbon Disulfide	4.40	76	311502	48.620	ug/l	97
18) Methyl Acetate	4.73	43	49669	47.640	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	221559	48.545	ug/l	97
20) Methylene Chloride	4.96	84	118396	50.060	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	117274	53.450	ug/l	92
22) Diisopropyl ether	6.36	45	293984	49.124	ug/l	90
23) Vinyl Acetate	6.31	43	870627	244.551	ug/l	98
24) 1,1-Dichloroethane	6.27	63	191278	51.890	ug/l	98
25) 2-Butanone	7.22	43	152946	242.106	ug/l	93
26) 2,2-Dichloropropane	7.21	77	174939	52.463	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	131056	52.772	ug/l	95
28) Bromochloromethane	7.54	49	72420	51.613	ug/l	95
29) Tetrahydrofuran	7.57	42	82029	222.464	ug/l	99
30) Chloroform	7.71	83	206977	51.697	ug/l	92
31) Cyclohexane	7.98	56	179293	59.595	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	186422	54.281	ug/l	98
36) 1,1-Dichloropropene	8.11	75	162512	54.260	ug/l	98
37) Ethyl Acetate	7.30	43	57845	48.006	ug/l	98
38) Carbon Tetrachloride	8.10	117	171231	56.574	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	209489	56.886	ug/l	91
40) Benzene	8.36	78	464297	54.095	ug/l	98
41) Methacrylonitrile	7.53	41	27673	39.852	ug/l	97
42) 1,2-Dichloroethane	8.43	62	124678	50.217	ug/l	100
43) Isopropyl Acetate	8.46	43	113683	45.260	ug/l	97
44) Trichloroethene	9.11	130	133588	53.975	ug/l	96
45) 1,2-Dichloropropane	9.39	63	107755	51.292	ug/l	90
46) Dibromomethane	9.48	93	61312	51.245	ug/l	97
47) Bromodichloromethane	9.67	83	158174	51.349	ug/l	94
48) Methyl methacrylate	9.46	41	52380	43.524	ug/l	93
49) 1,4-Dioxane	9.46	88	15258	934.274	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	307870	236.338	ug/l	99
52) Toluene	10.40	92	313920	53.278	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	155312	51.669	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	182551	52.759	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	86227	51.042	ug/l	95
56) Ethyl methacrylate	10.66	69	105041	49.101	ug/l	93
57) 1,3-Dichloropropane	10.95	76	145678	50.401	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	211935	230.477	ug/l	98
59) 2-Hexanone	10.99	43	231135	245.285	ug/l	98
60) Dibromochloromethane	11.14	129	114397	52.014	ug/l	97
61) 1,2-Dibromoethane	11.25	107	83762	51.145	ug/l	100
64) Tetrachloroethene	10.88	164	123324	55.857	ug/l	94
65) Chlorobenzene	11.67	112	360584	55.517	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	132111	55.201	ug/l	97
67) Ethyl Benzene	11.74	91	649140	55.426	ug/l	97
68) m/p-Xylenes	11.86	106	515891	114.123	ug/l	97
69) o-Xylene	12.18	106	239096	55.237	ug/l	95
70) Styrene	12.20	104	403882	55.118	ug/l	99
71) Bromoform	12.36	173	70875	55.182	ug/l #	100
73) Isopropylbenzene	12.48	105	654185	54.977	ug/l	97
74) N-amyl acetate	12.29	43	116809	45.594	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	99701	48.151	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	65148m	54.953	ug/l	
77) Bromobenzene	12.77	156	157369	53.083	ug/l	95
78) n-propylbenzene	12.82	91	782373	56.015	ug/l	100
79) 2-Chlorotoluene	12.91	91	412305	53.536	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	550573	55.461	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31154	46.502	ug/l	99
82) 4-Chlorotoluene	13.01	91	419170	51.308	ug/l	96
83) tert-Butylbenzene	13.23	119	492303	55.722	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	550363	53.777	ug/l	100
85) sec-Butylbenzene	13.40	105	685523	57.456	ug/l	100
86) p-Isopropyltoluene	13.52	119	659884	58.447	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	321079	54.813	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	315049	54.517	ug/l	98
89) n-Butylbenzene	13.84	91	597476	56.852	ug/l	100
90) Hexachloroethane	14.11	117	118084	58.152	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	274522	54.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15667	48.631	ug/l	87

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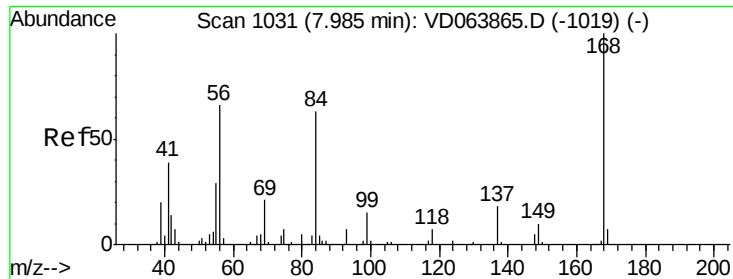
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	211056	54.184	ug/l	98
94) Hexachlorobutadiene	15.27	225	125419	58.349	ug/l	94
95) Naphthalene	15.40	128	350464	53.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	178969	53.254	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 210300

Ion Ratio Lower Upper

168 100

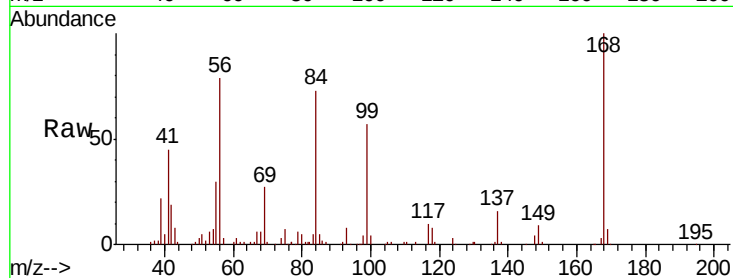
99 56.1 43.0 64.4

Manual Integrations

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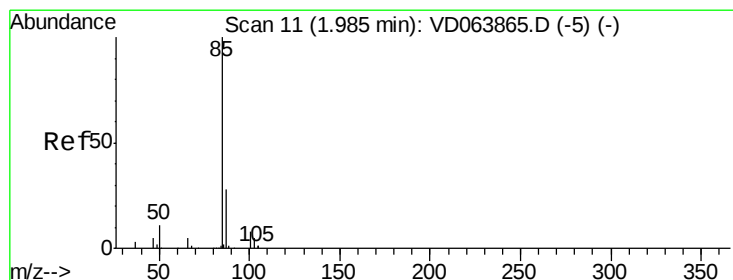
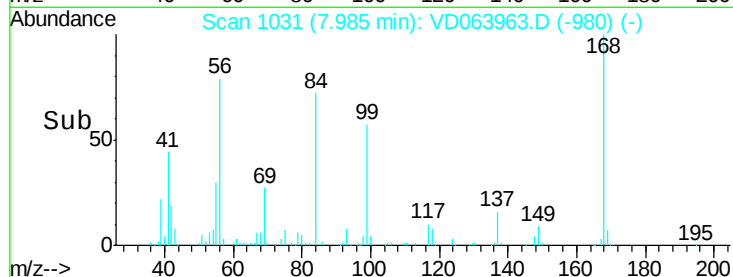
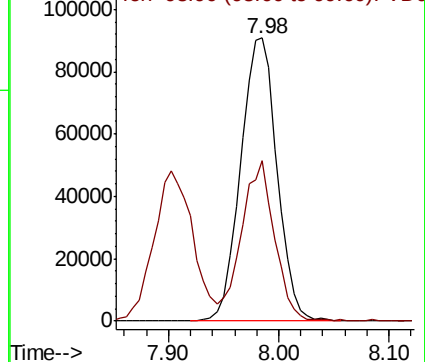
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.966 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063963.D

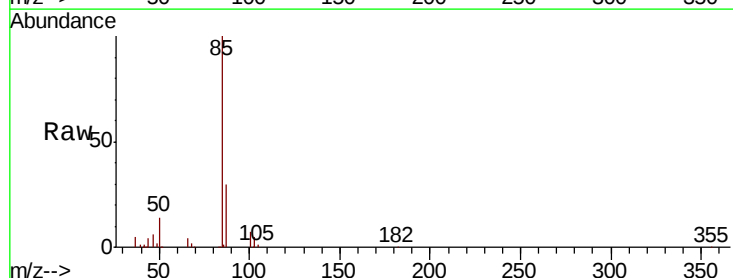
Acq: 15 Oct 2019 10:48

Tgt Ion: 85 Resp: 76010

Ion Ratio Lower Upper

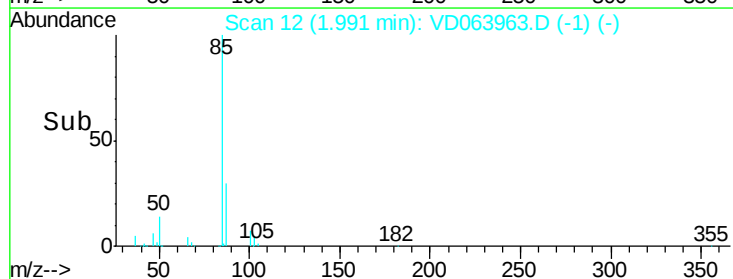
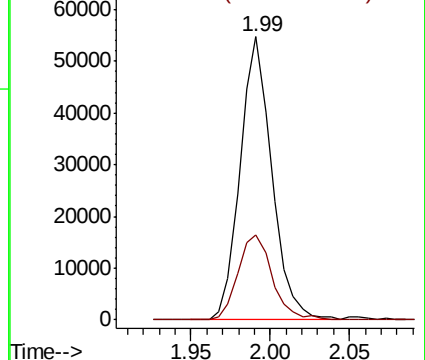
85 100

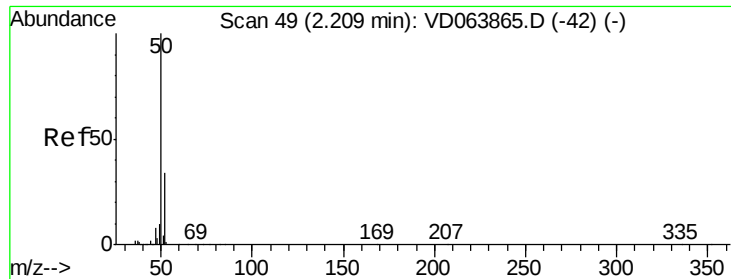
87 29.8 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





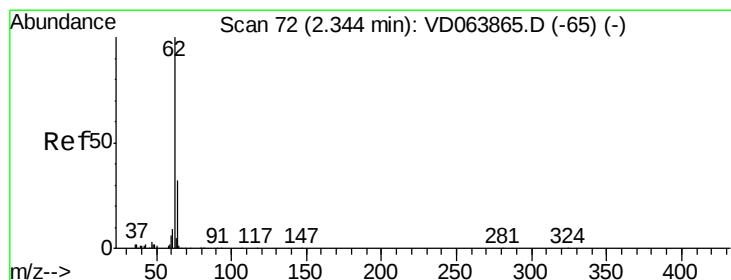
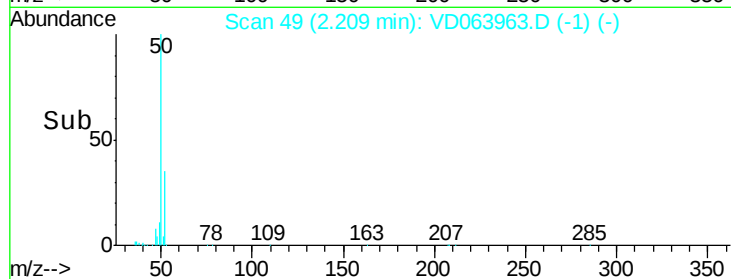
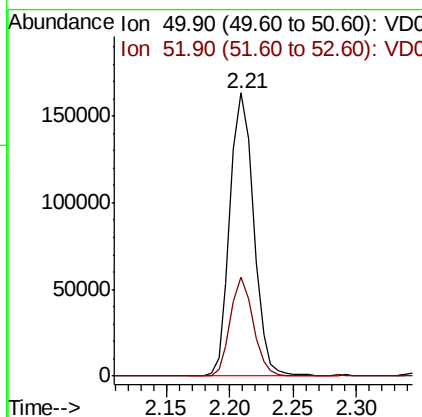
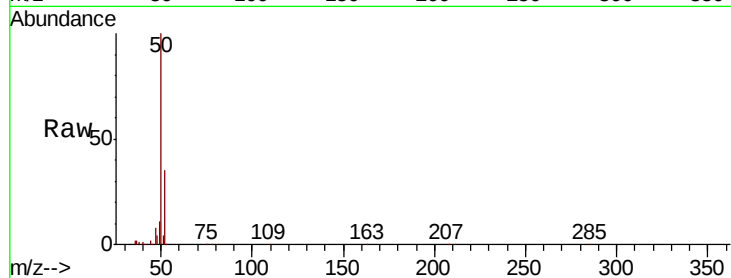
#3
Chloromethane
Concen: 53.174 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	34.9	27.5	41.3

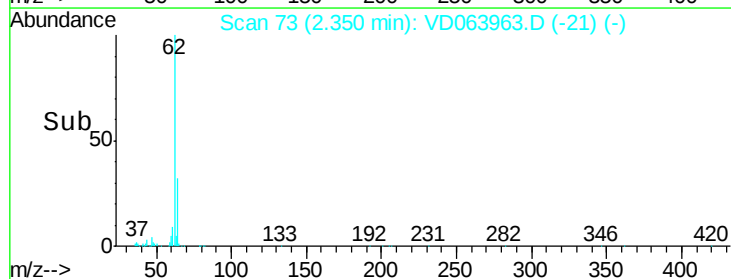
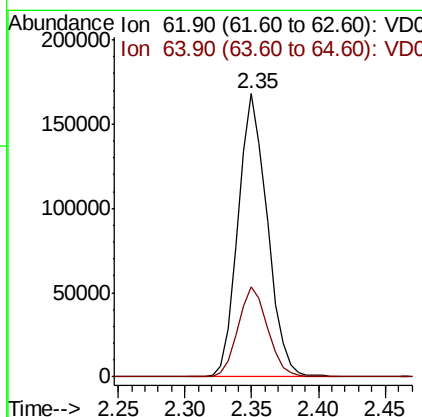
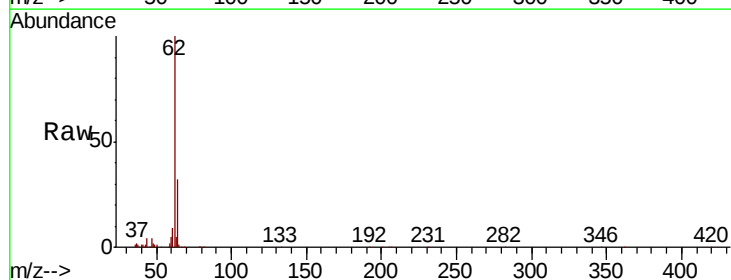
Manual Integrations
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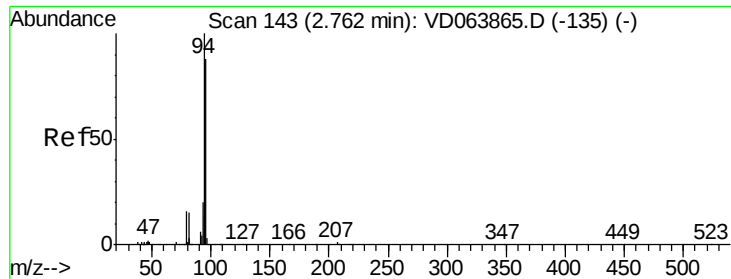
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#4
Vinyl Chloride
Concen: 52.969 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.0





#5

Bromomethane

Concen: 48.554 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 150463

Ion Ratio Lower Upper

94 100

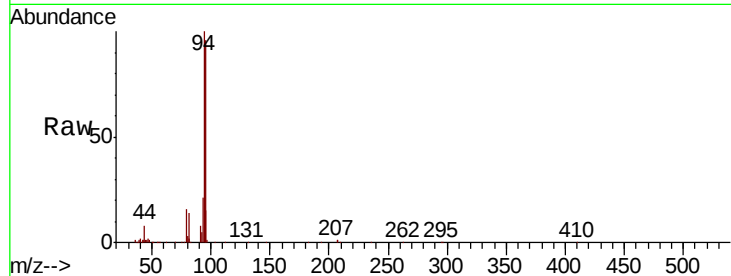
96 95.9 70.8 106.2

Manual Integrations

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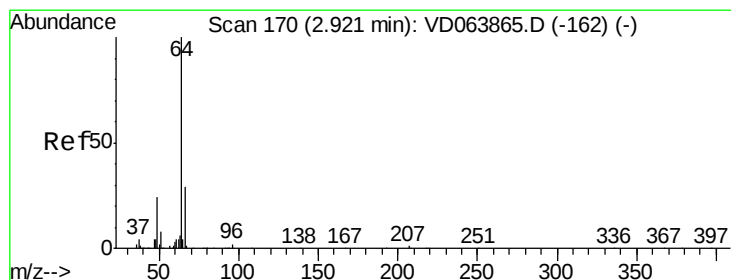
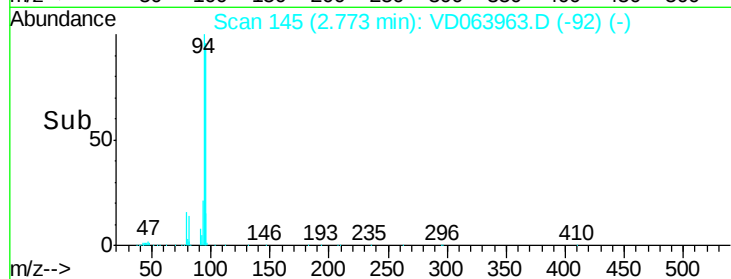
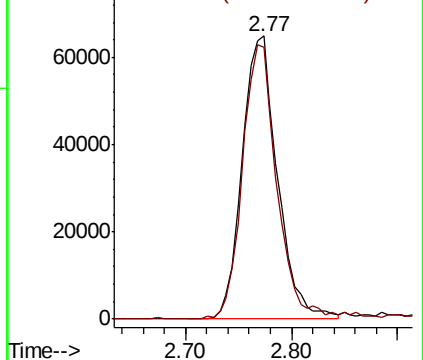
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.679 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063963.D

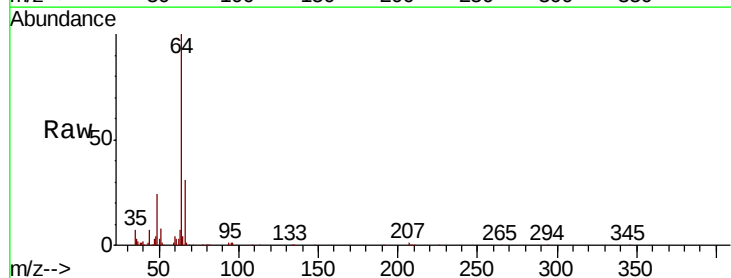
Acq: 15 Oct 2019 10:48

Tgt Ion: 64 Resp: 164740

Ion Ratio Lower Upper

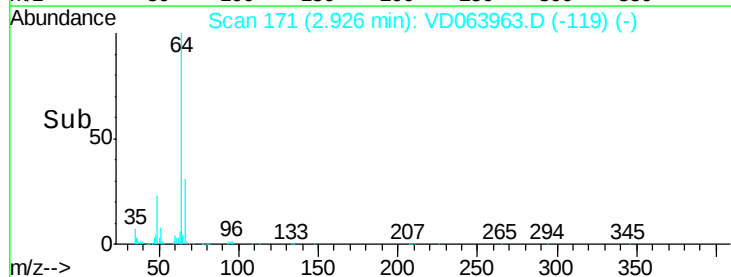
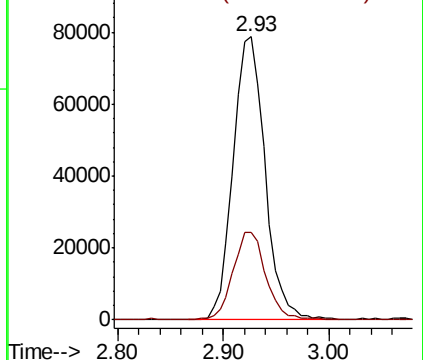
64 100

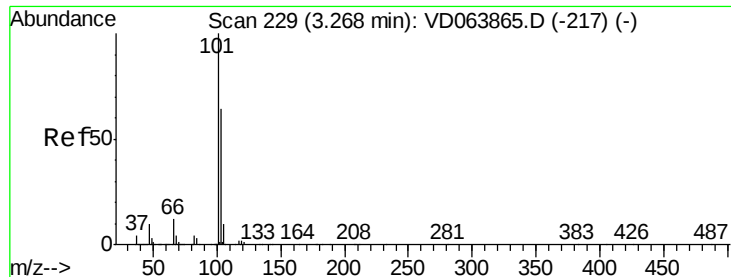
66 31.1 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

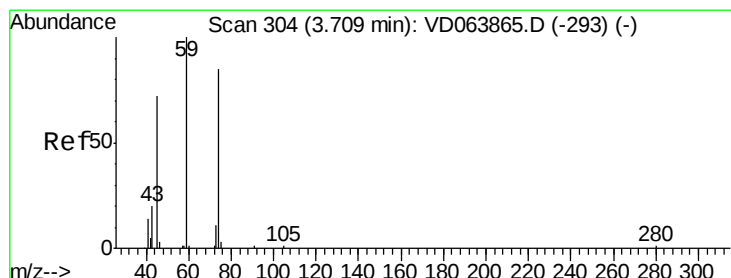
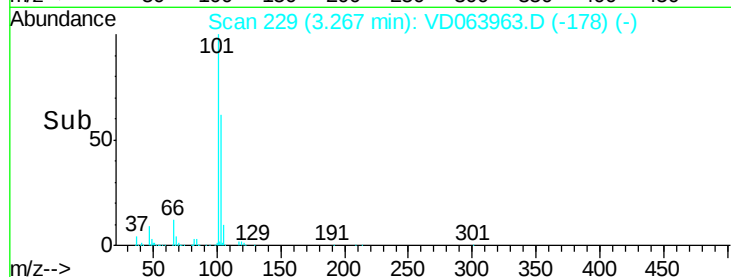
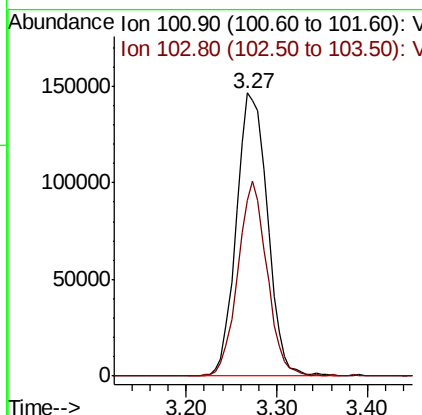
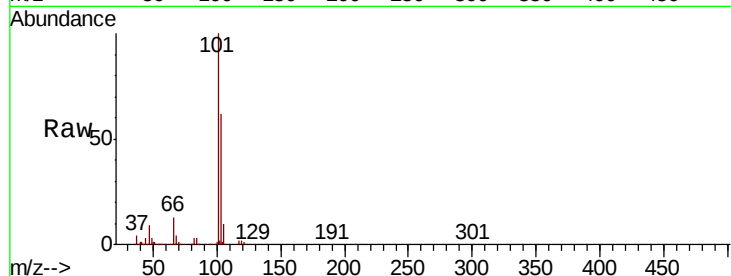
Trichlorofluoromethane
Concen: 55.007 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	51.1	76.7

Manual Integrations
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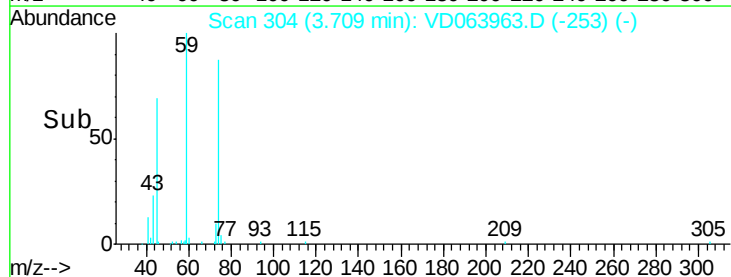
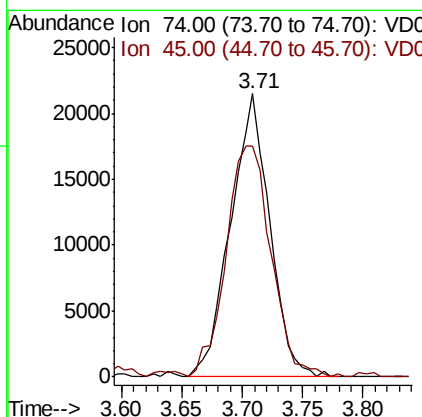
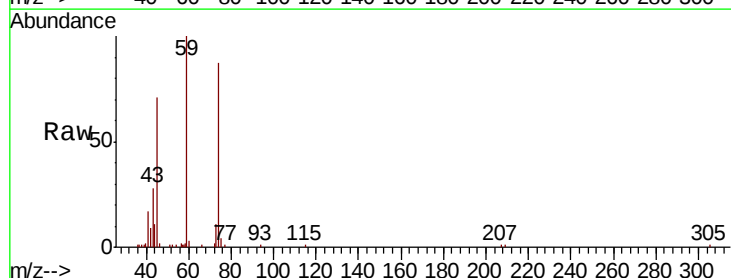
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10/18/2019 12:41:39 AM

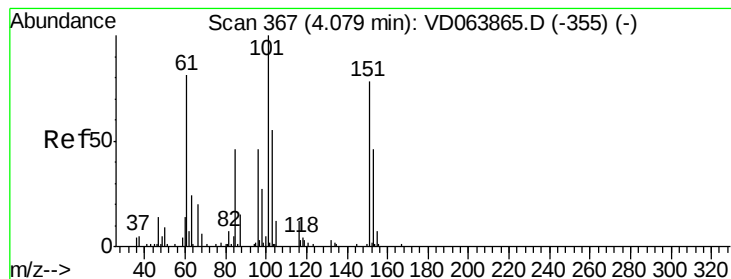


#8

Diethyl Ether
Concen: 47.429 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.089 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

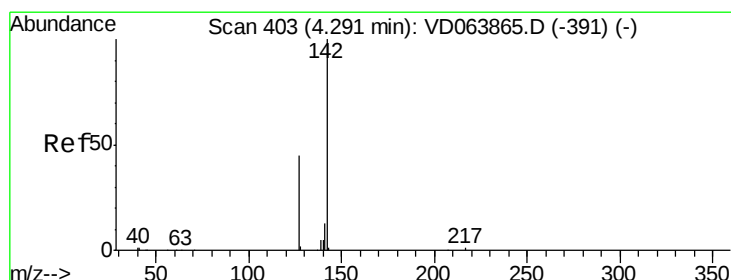
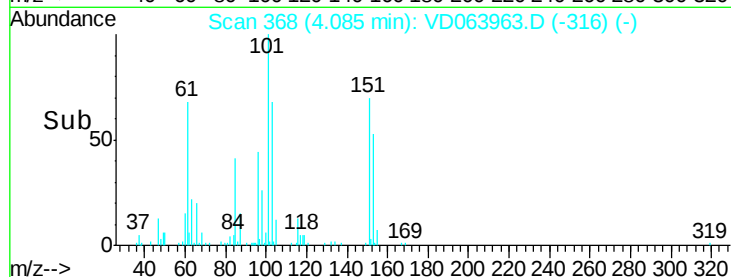
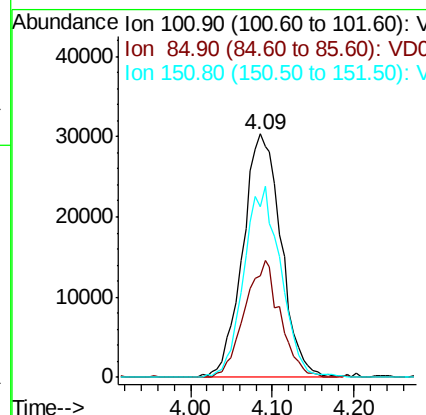
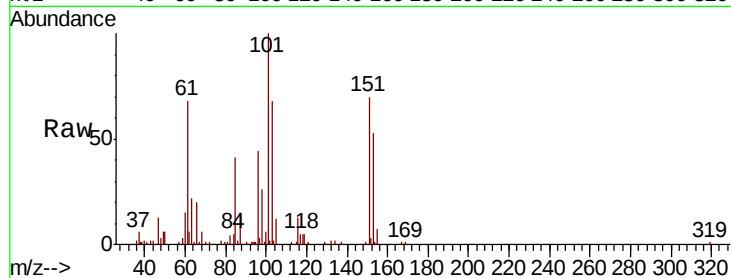
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	98948
Ion Ratio	Lower	Upper	
101	100		
85	44.7	37.5	56.3
151	75.4	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 51.137 ug/l

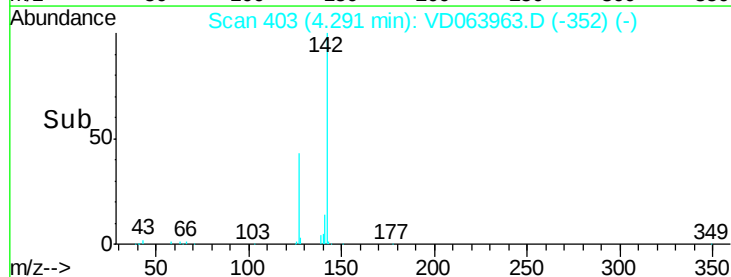
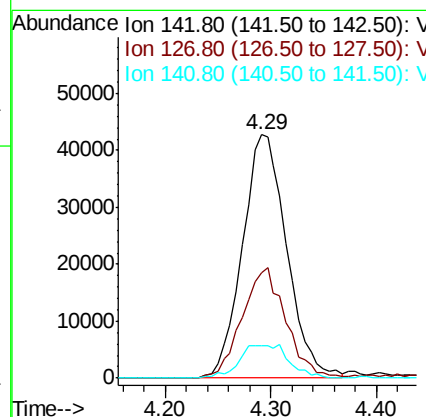
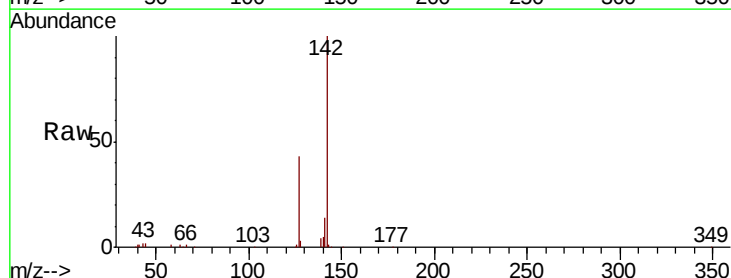
RT: 4.29 min Scan# 403

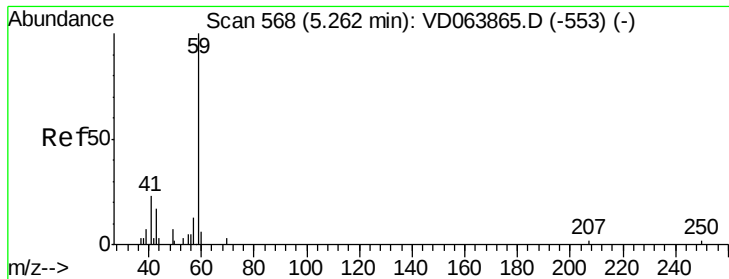
Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Tgt Ion:	142	Resp:	124306
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.3	52.9
141	15.2	12.2	18.2





#11

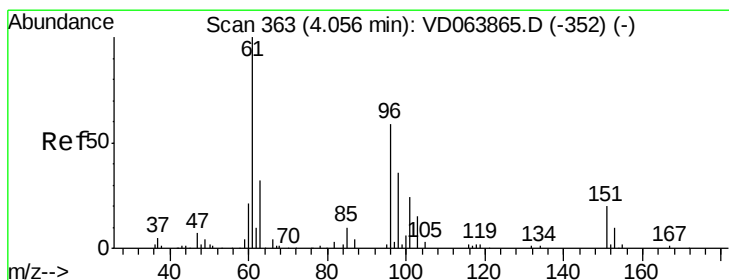
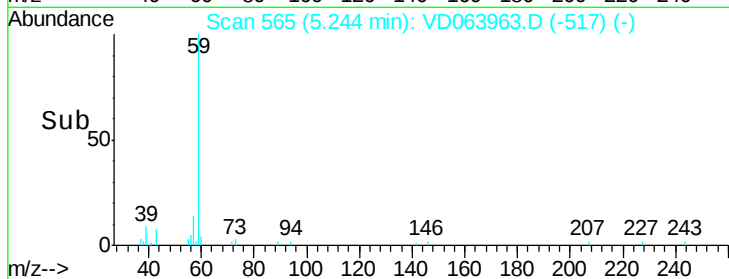
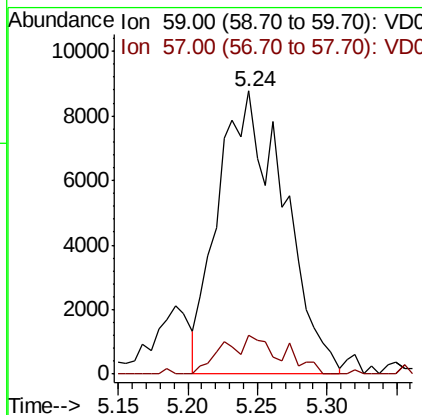
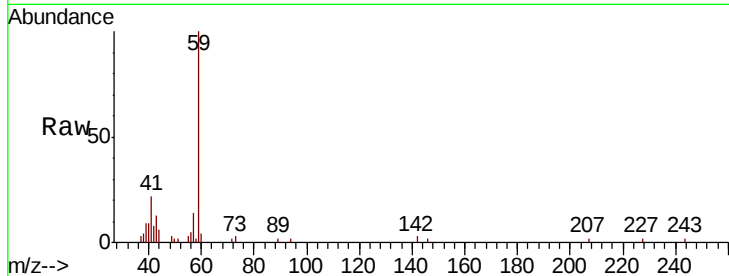
Tert butyl alcohol
 Concen: 201.293 ug/l m
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 28854
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

Manual Integrations
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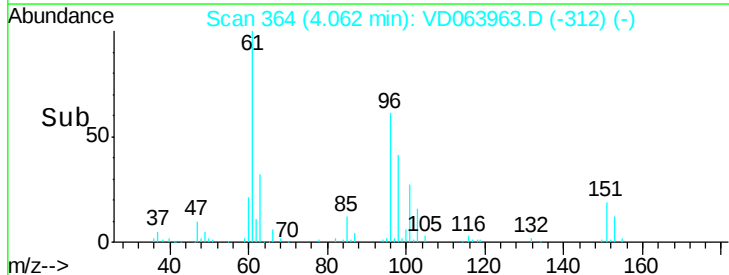
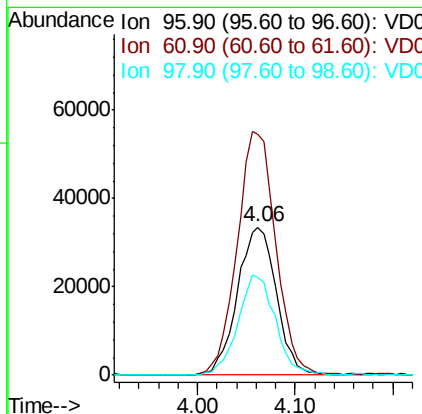
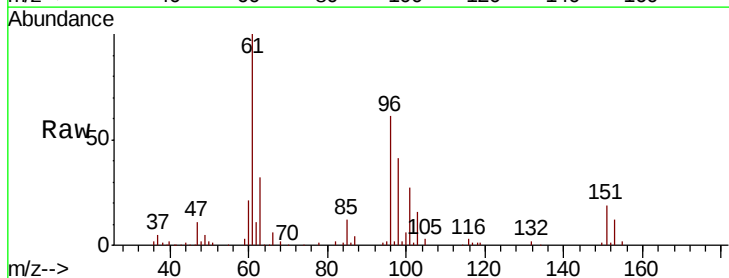
MMDadoda
 10/18/2019 12:41:39 AM

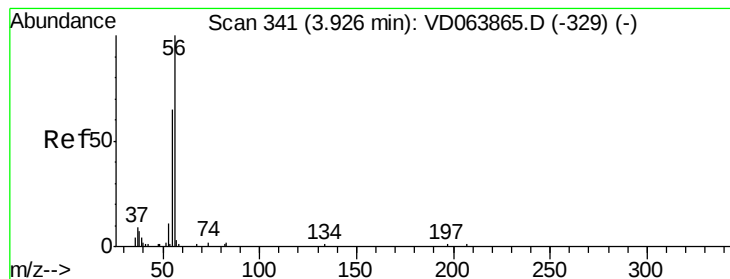


#12

1,1-Dichloroethene
 Concen: 52.731 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 96 Resp: 92938
 Ion Ratio Lower Upper
 96 100
 61 163.1 135.6 203.4
 98 66.5 49.2 73.8





#13

Acrolein

Concen: 216.434 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39578

Ion Ratio Lower Upper

56 100

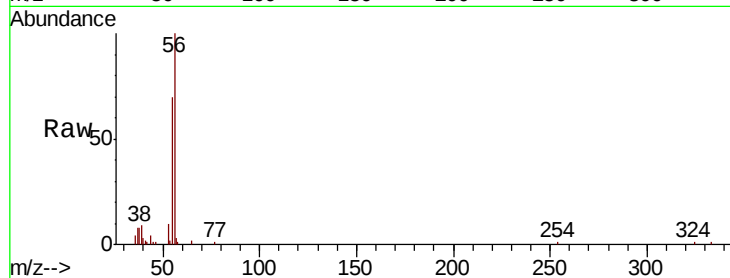
55 72.3 53.0 79.6

Manual Integrations

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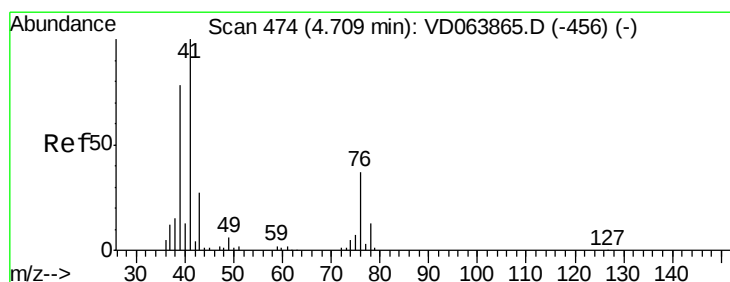
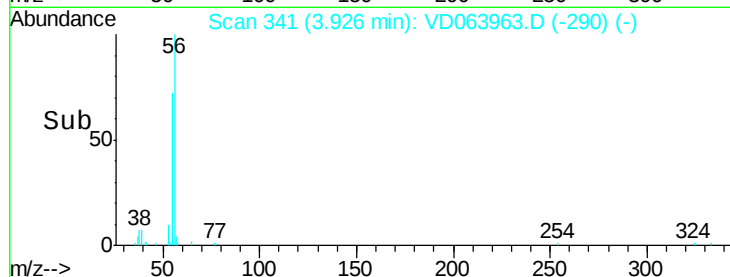
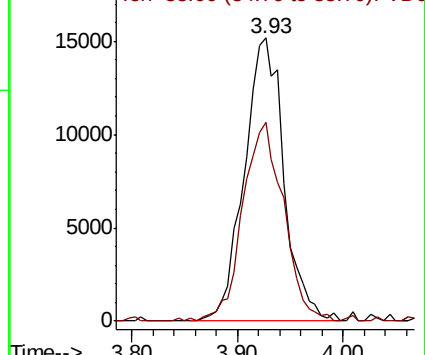
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.444 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

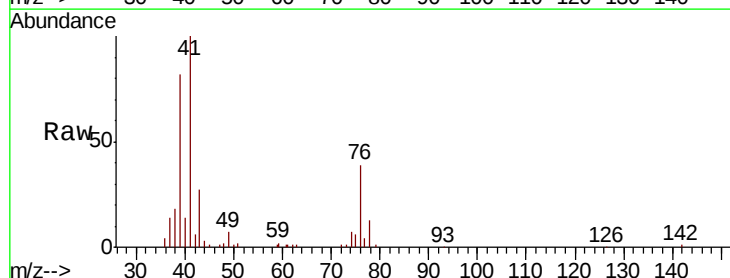
Tgt Ion: 41 Resp: 141953

Ion Ratio Lower Upper

41 100

39 80.1 61.8 92.6

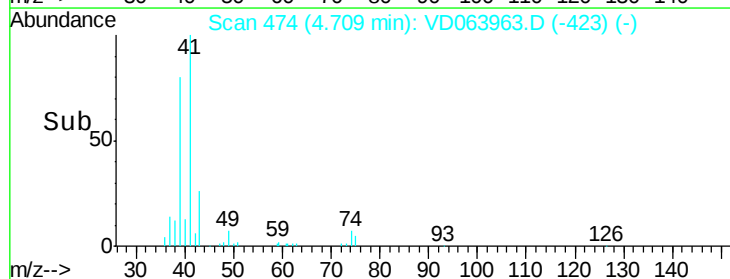
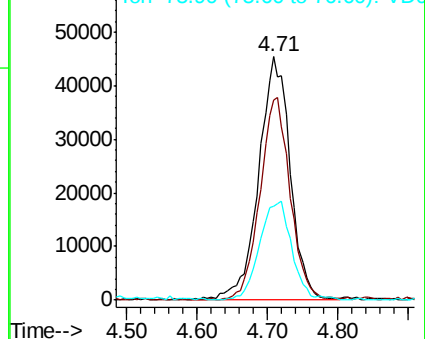
76 41.4 31.3 46.9

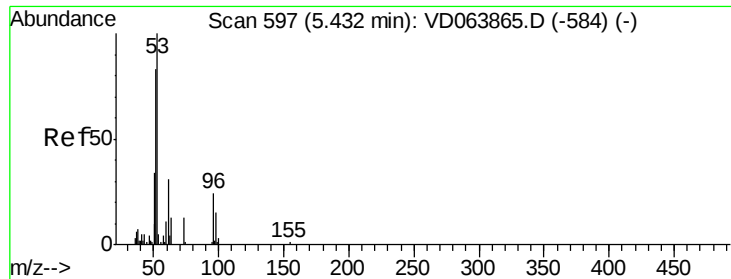


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 243.311 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

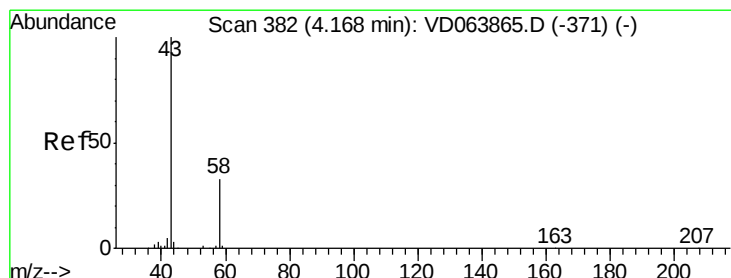
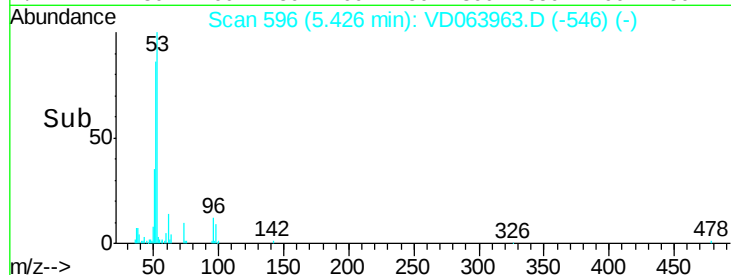
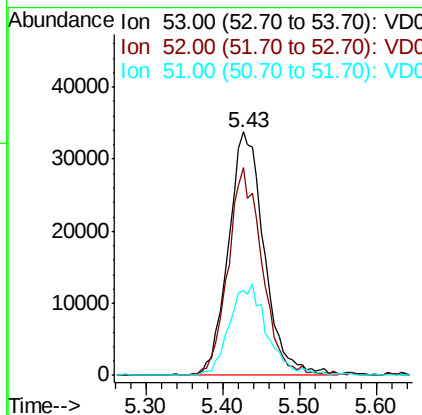
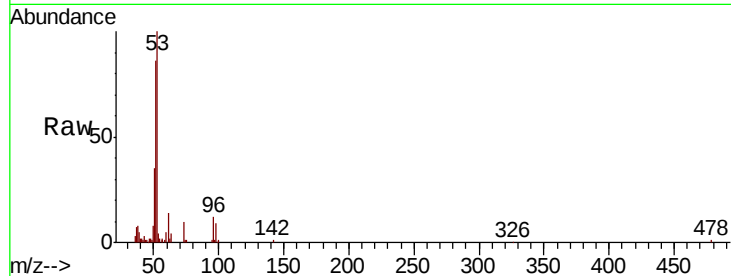
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	109731
Ion Ratio	Lower	Upper	
53	100		
52	81.1	67.3	100.9
51	37.8	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 259.150 ug/l

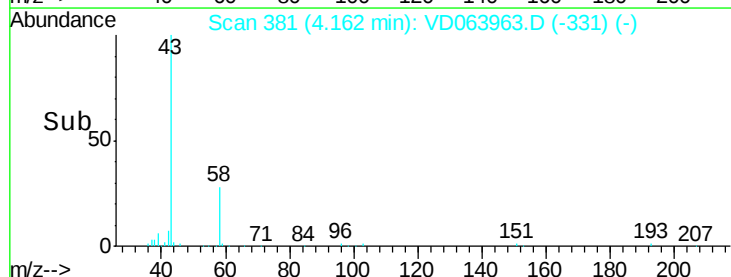
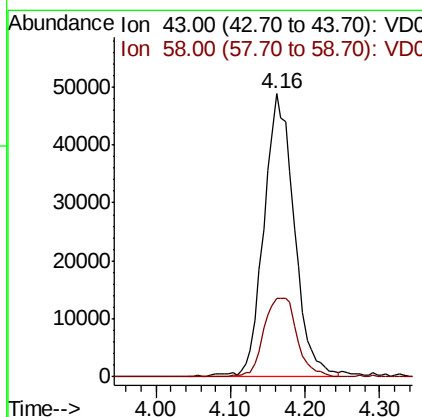
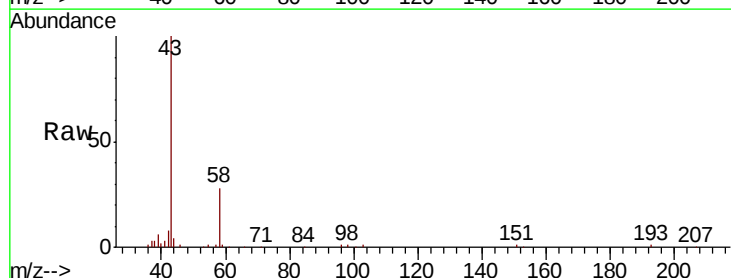
RT: 4.16 min Scan# 381

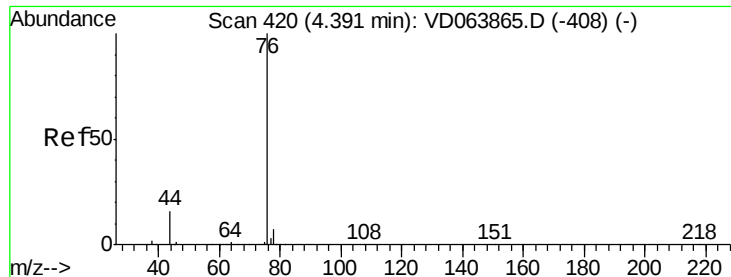
Delta R.T. -0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Tgt Ion:	43	Resp:	138142
Ion Ratio	Lower	Upper	
43	100		
58	27.7	26.2	39.4





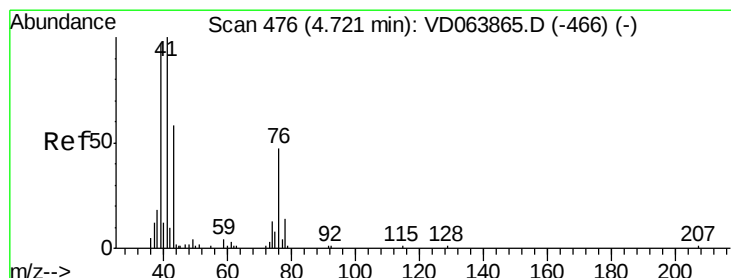
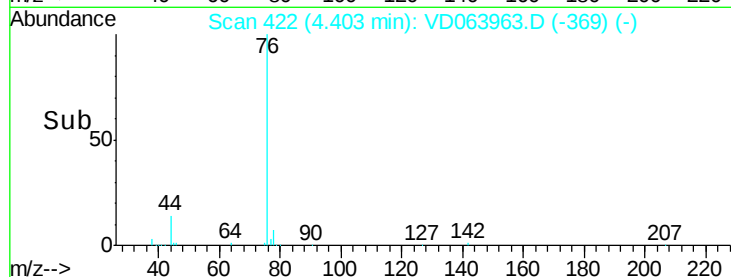
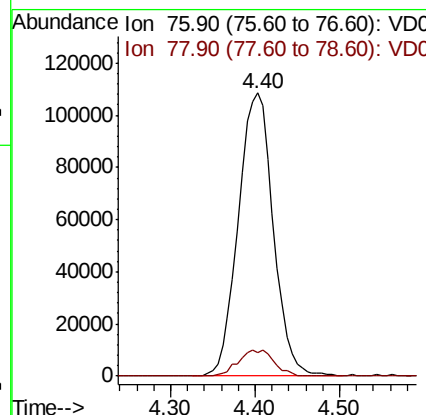
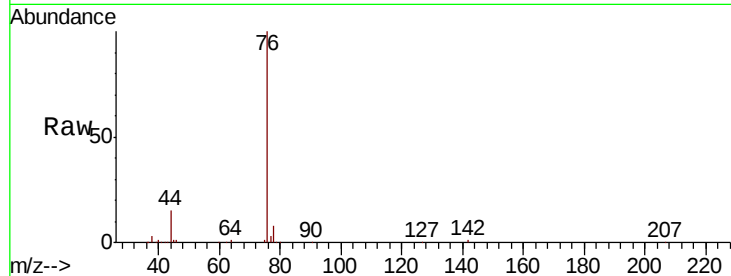
#17
Carbon Disulfide
Concen: 48.620 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	5.8	8.8

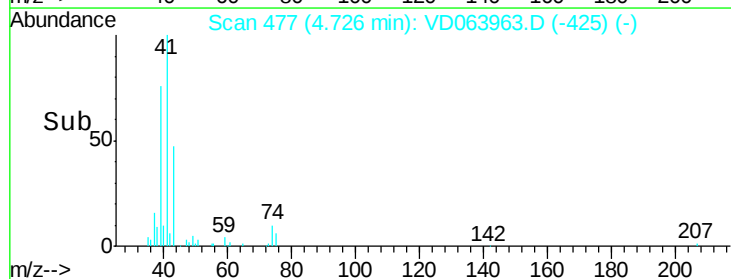
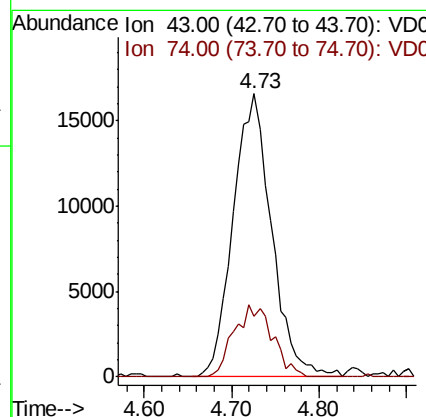
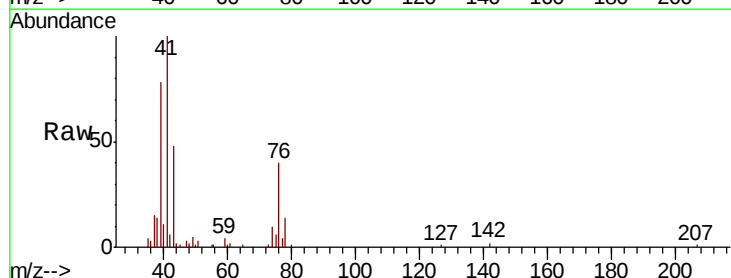
Manual Integrations
APPROVED

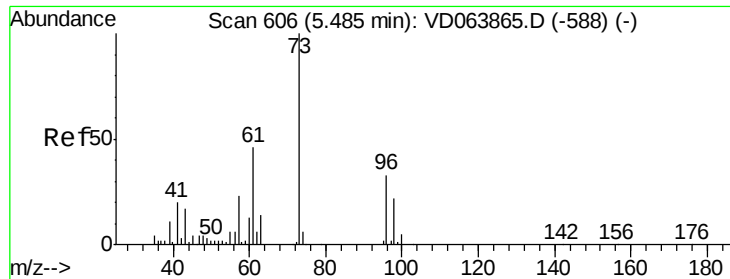
MMDadoda
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#18
Methyl Acetate
Concen: 47.640 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	20.8	31.2





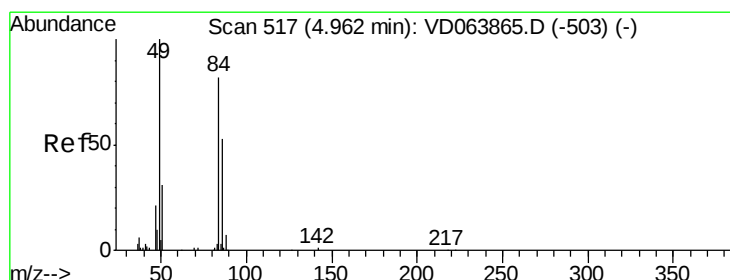
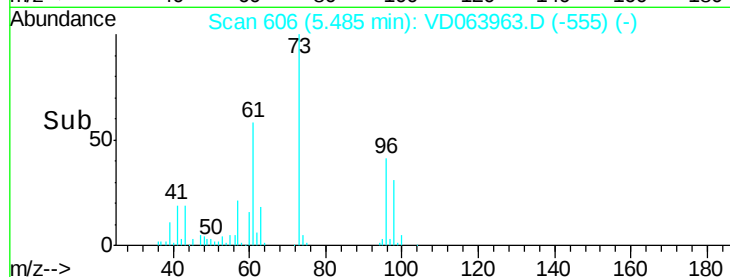
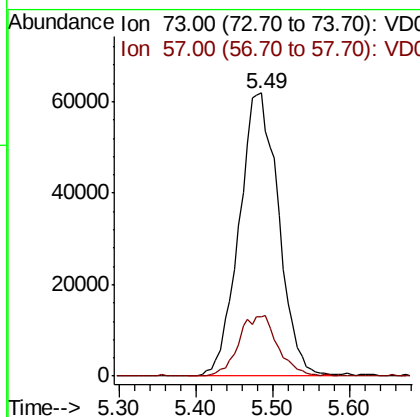
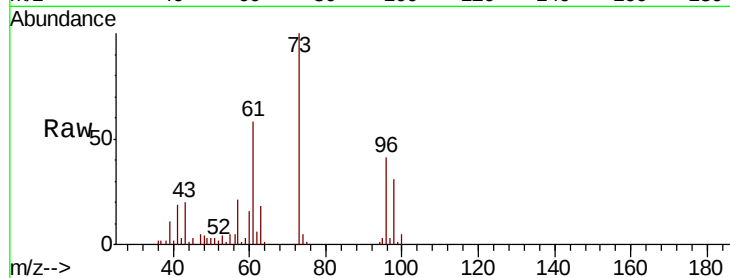
#19
Methyl tert-butyl Ether
Concen: 48.545 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 221559
Ion Ratio Lower Upper
73 100
57 21.2 18.1 27.1

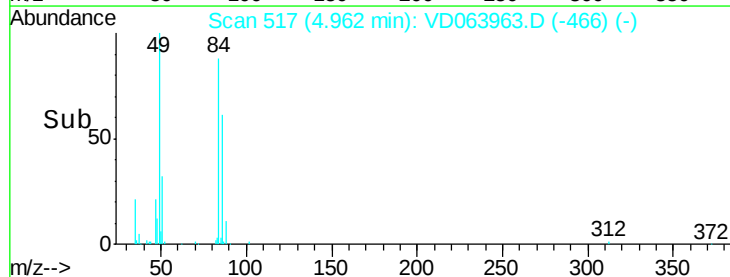
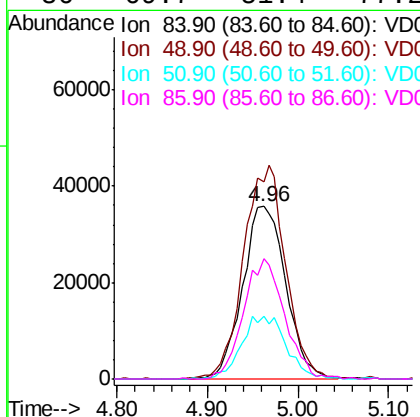
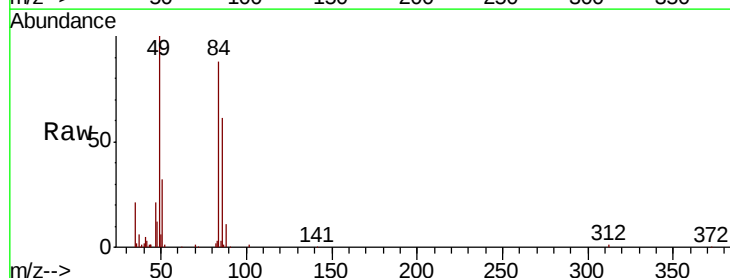
Manual Integrations
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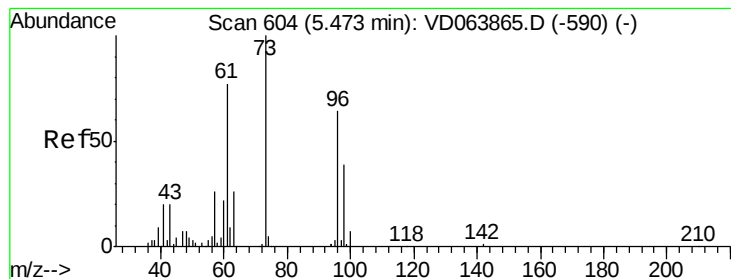
MMDadoda
10/18/2019 12:41:39 AM



#20
Methylene Chloride
Concen: 50.060 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion: 84 Resp: 118396
Ion Ratio Lower Upper
84 100
49 113.4 97.3 145.9
51 36.5 30.1 45.1
86 69.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 53.450 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

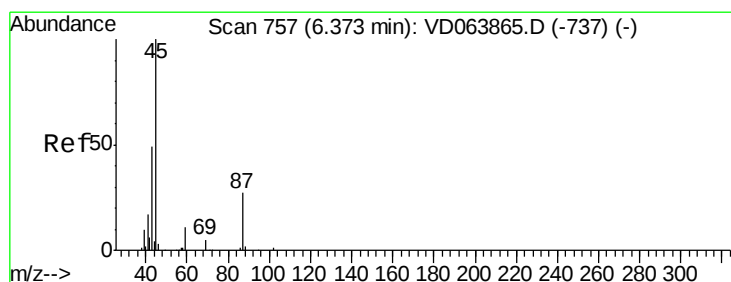
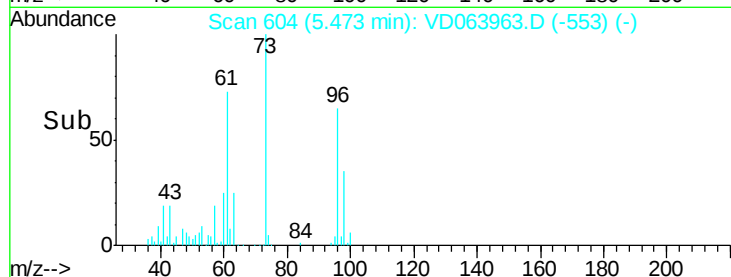
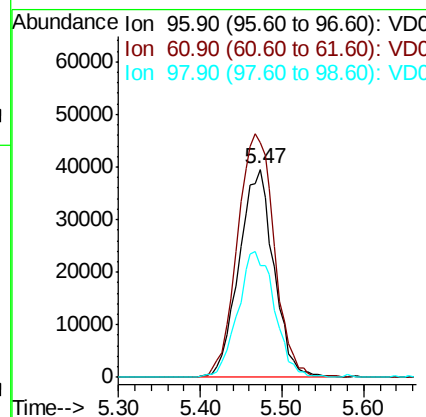
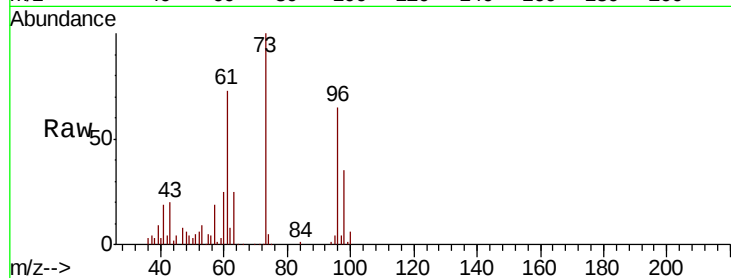
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	117274
Ion	Ratio	Lower	Upper
96	100		
61	113.0	96.6	145.0
98	53.9	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.124 ug/l

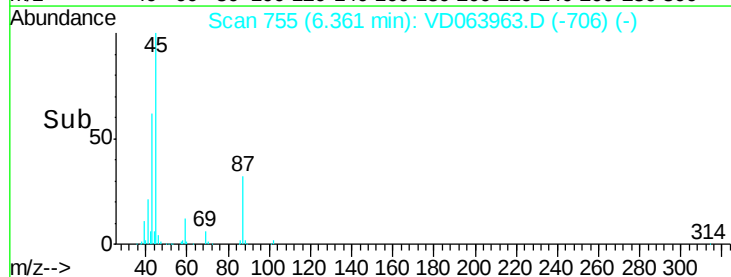
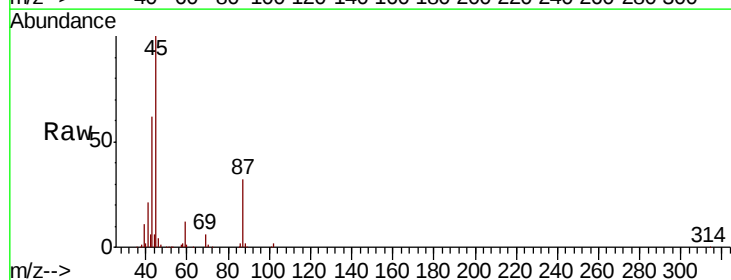
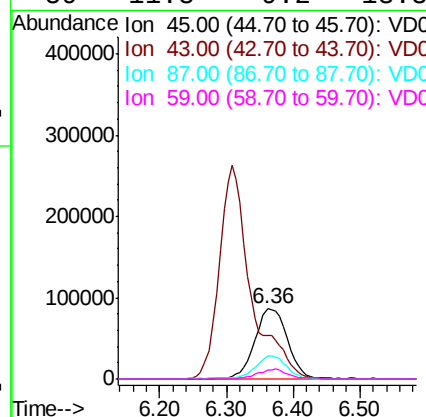
RT: 6.36 min Scan# 755

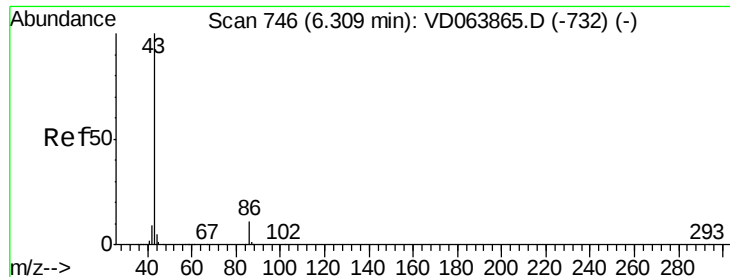
Delta R.T. -0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Tgt Ion:	45	Resp:	293984
Ion	Ratio	Lower	Upper
45	100		
43	61.1	41.2	61.8
87	32.2	22.2	33.4
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 244.551 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 870627

Ion Ratio Lower Upper

43 100

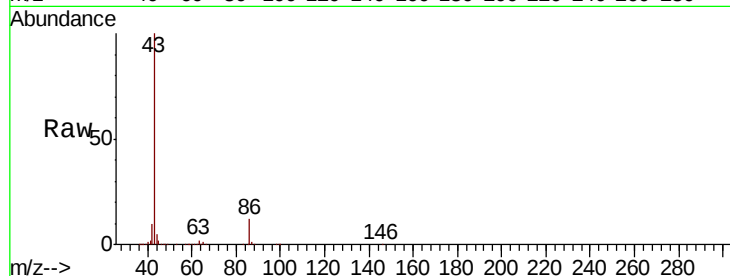
86 11.7 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

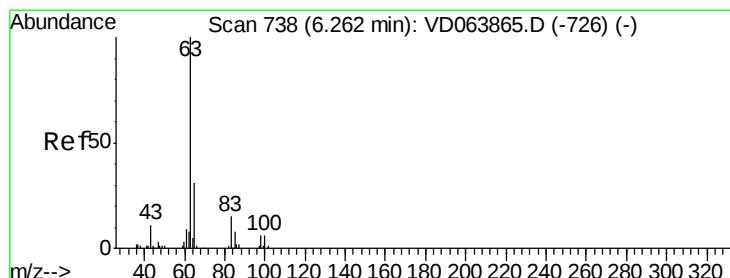
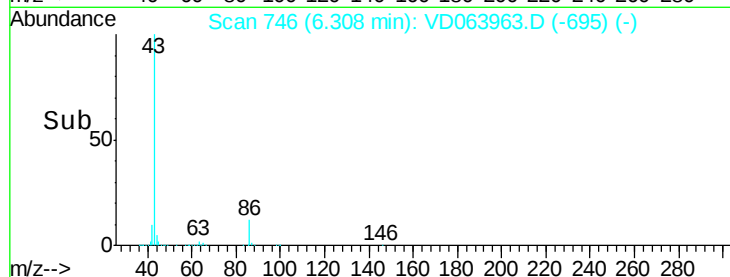
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.890 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

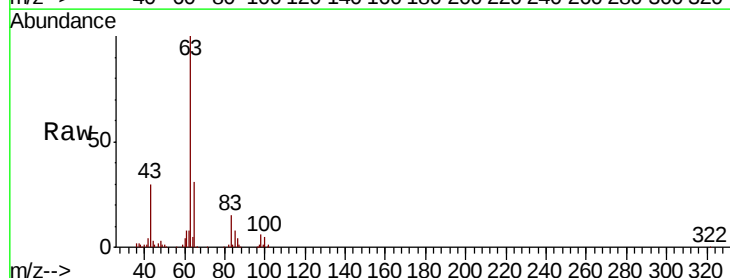
Tgt Ion: 63 Resp: 191278

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 4.6 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

6.27

80000

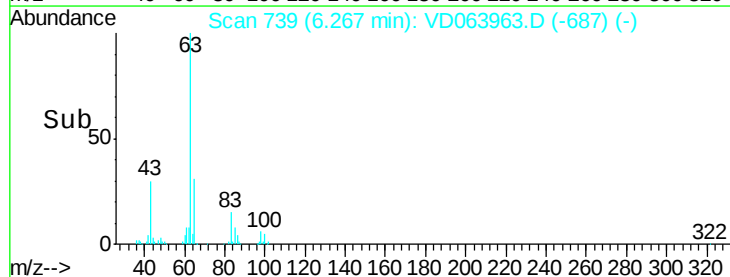
60000

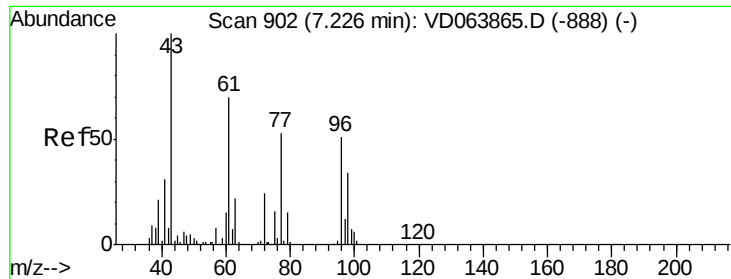
40000

20000

0

Time-->





#25

2-Butanone

Concen: 242.106 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 152946

Ion Ratio Lower Upper

43 100

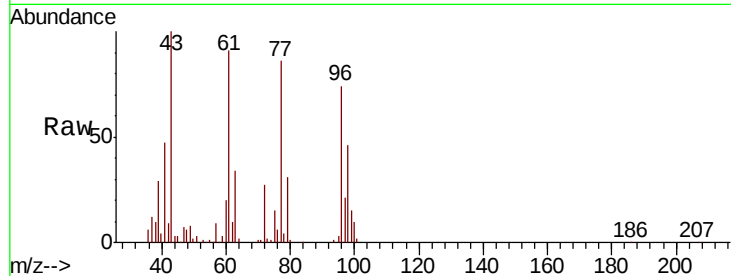
72 27.6 19.2 28.8

Manual Integrations

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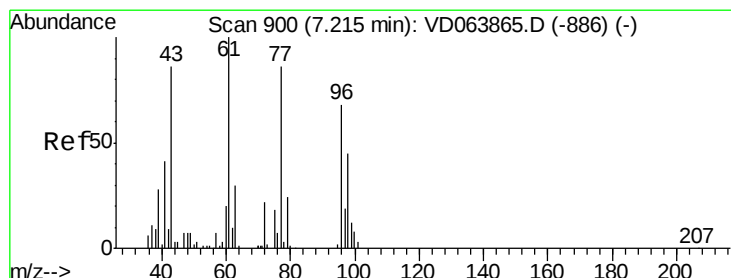
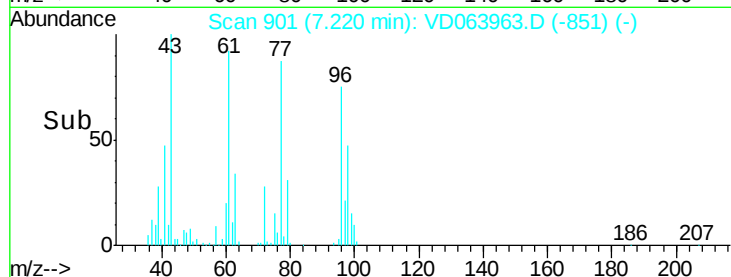
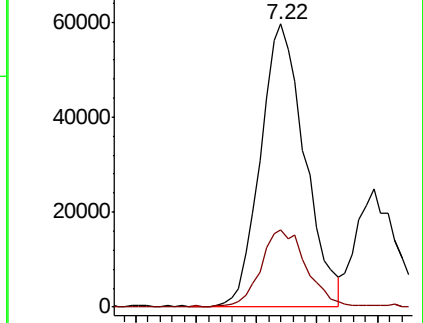
MMDadoda

10/18/2019 12:41:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.463 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063963.D

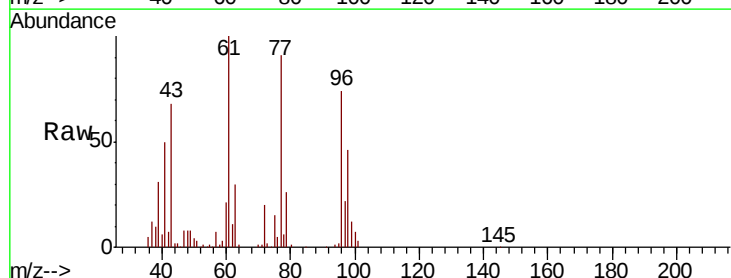
Acq: 15 Oct 2019 10:48

Tgt Ion: 77 Resp: 174939

Ion Ratio Lower Upper

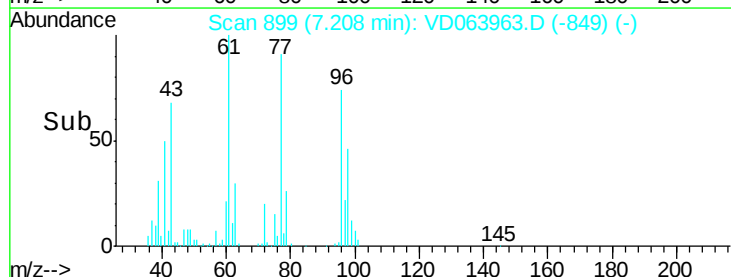
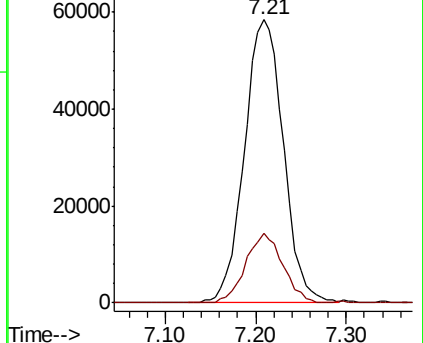
77 100

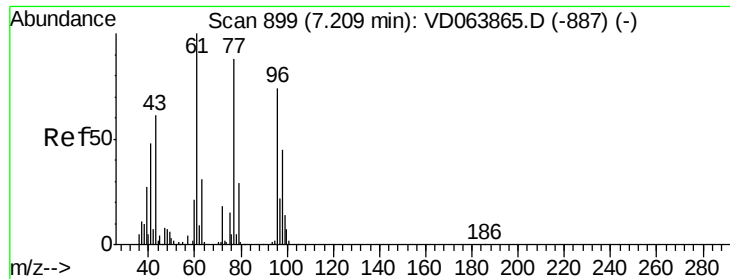
97 23.4 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

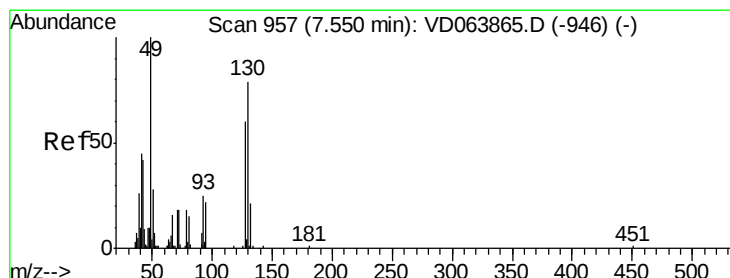
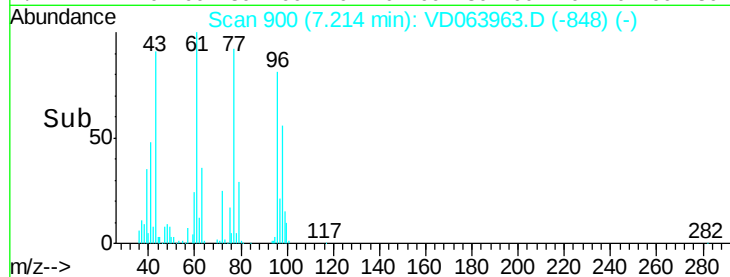
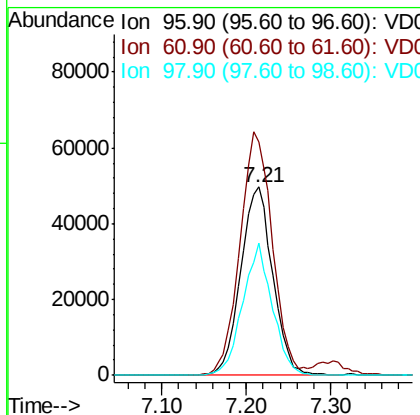
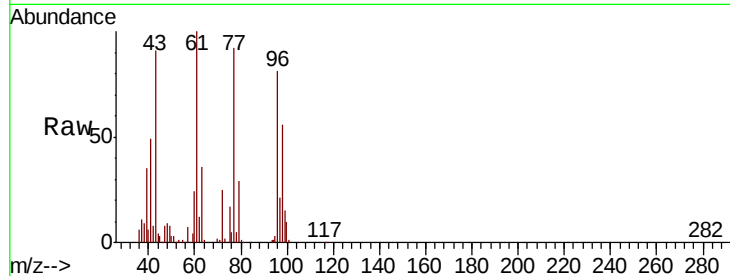
cis-1,2-Dichloroethene
 Concen: 52.772 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.3	0.0	280.0
98	64.9	0.0	130.4

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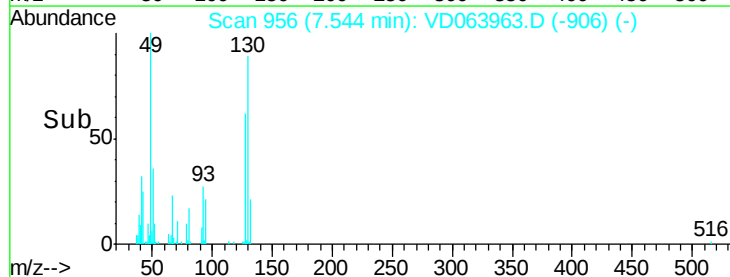
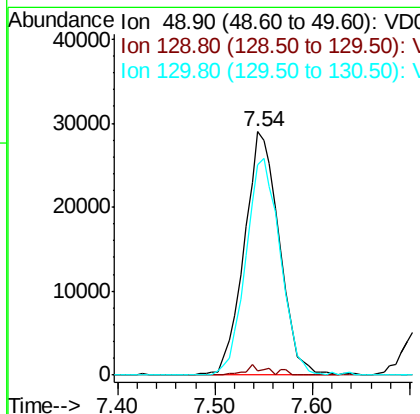
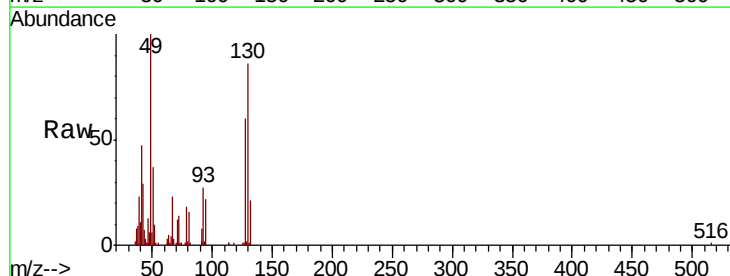
MMDadoda
 10/18/2019 12:41:39 AM

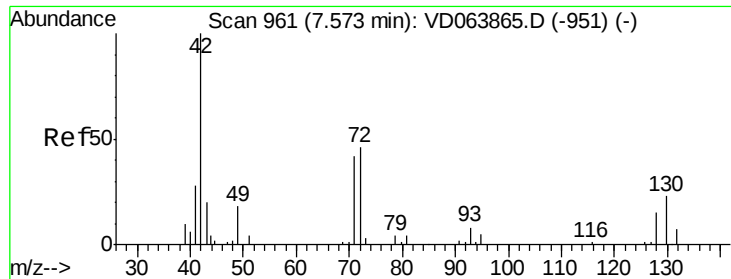


#28

Bromochloromethane
 Concen: 51.613 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.6
130	87.7	66.8	100.2





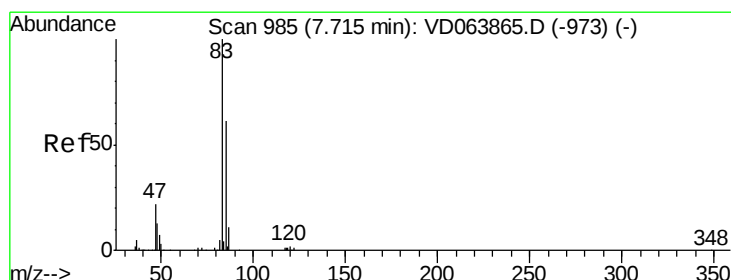
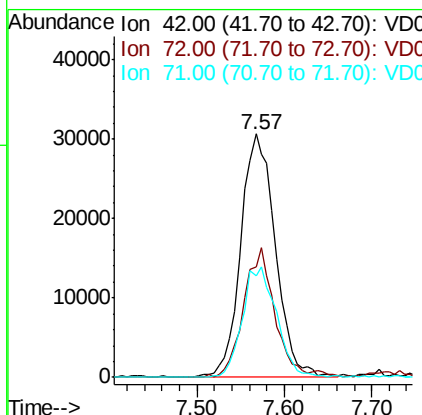
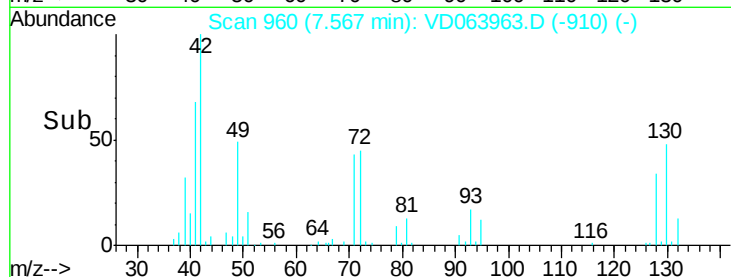
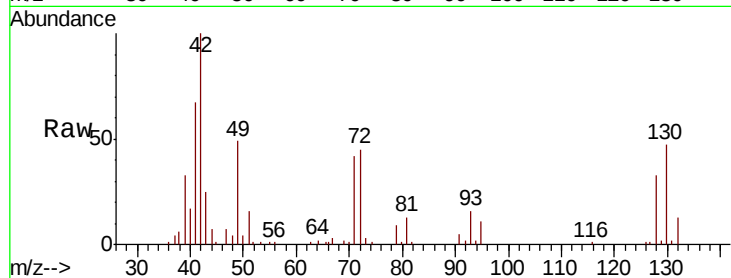
#29
Tetrahydrofuran
Concen: 222.464 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.6	56.4
71	44.7	35.0	52.6

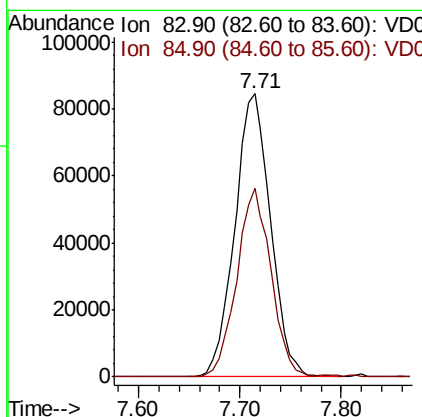
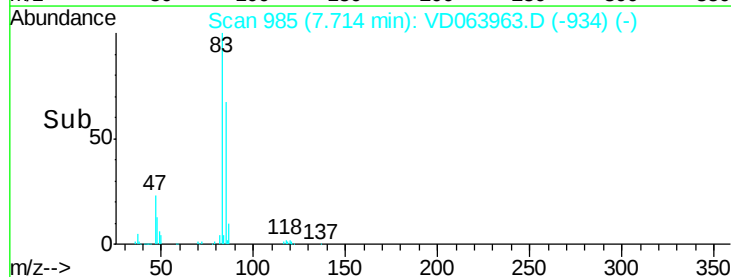
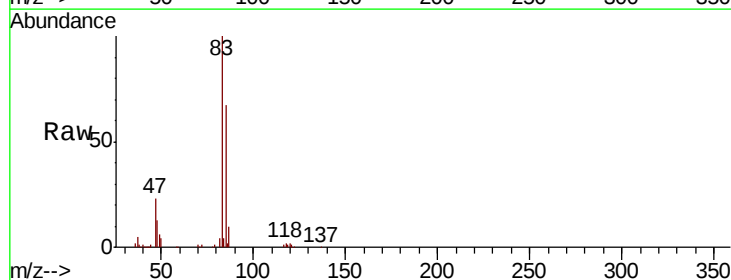
Manual Integrations
APPROVED

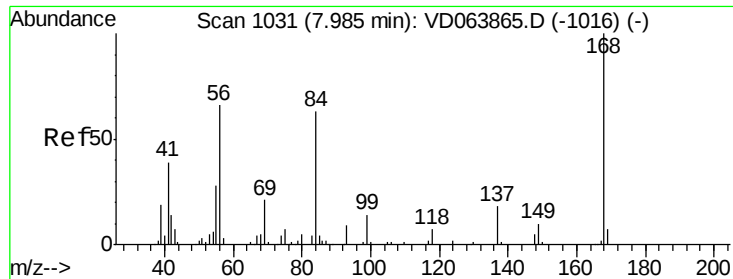
MMDadoda
10/18/2019 12:41:39 AM



#30
Chloroform
Concen: 51.697 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	48.9	73.3





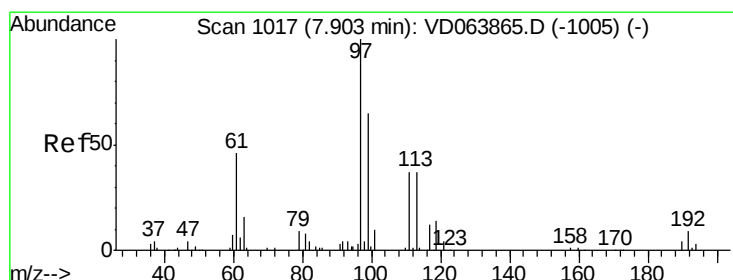
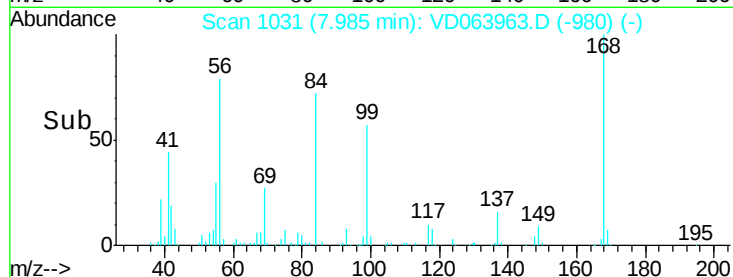
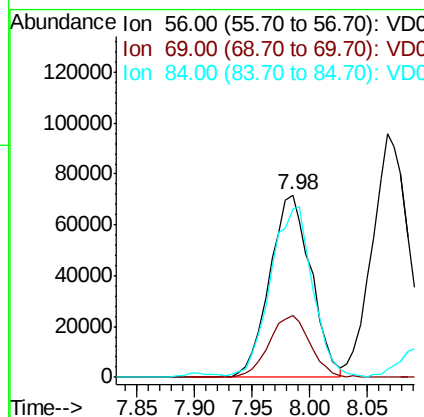
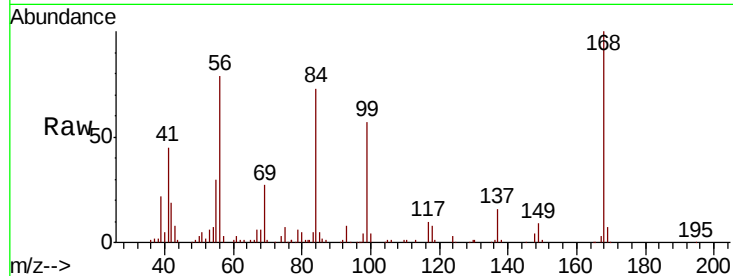
#31
Cyclohexane
Concen: 59.595 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	69	84	Ratio	Lower	Upper
56	100					
69	34.1	25.0	37.4			
84	90.0	76.3	114.5			

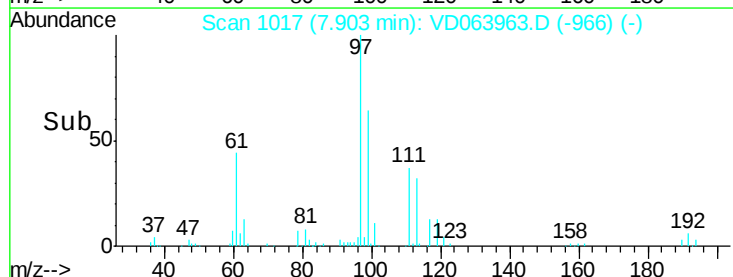
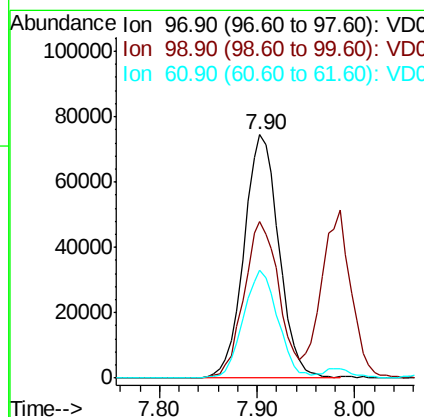
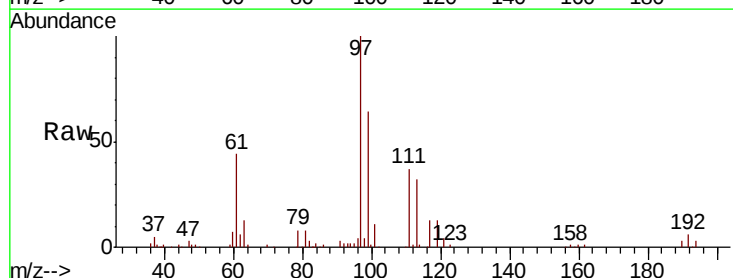
Manual Integrations
APPROVED

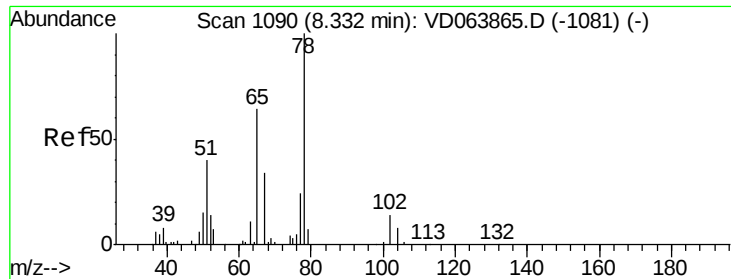
MMDadoda
10/18/2019 12:41:39 AM



#32
1,1,1-Trichloroethane
Concen: 54.281 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	97	99	61	Ratio	Lower	Upper
97	100					
99	64.6	52.4	78.6			
61	43.9	33.8	50.8			





#33

1,2-Dichloroethane-d4

Concen: 43.660 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 89391

Ion Ratio Lower Upper

65 100

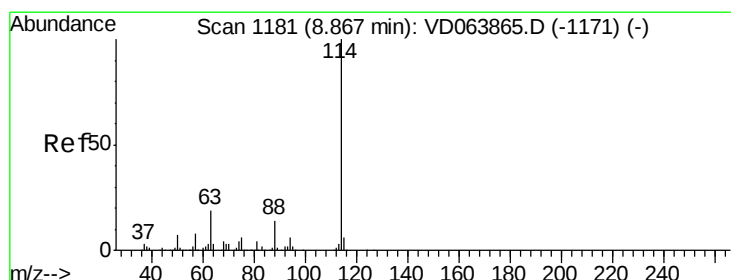
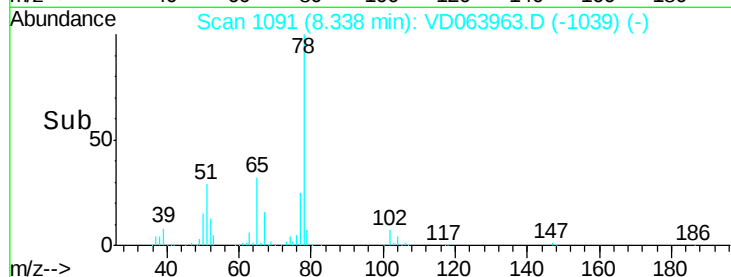
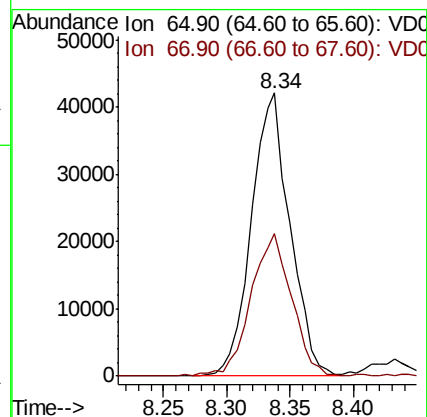
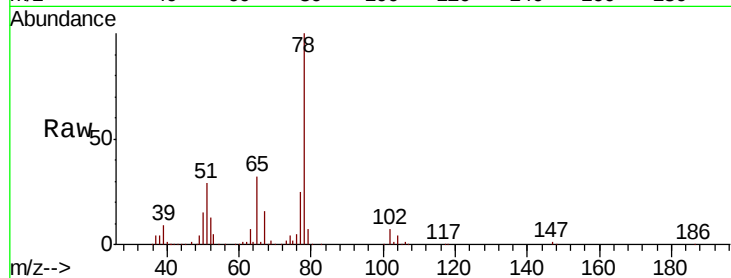
67 53.1 0.0 106.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

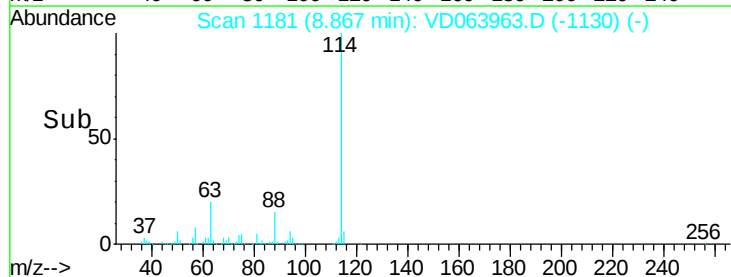
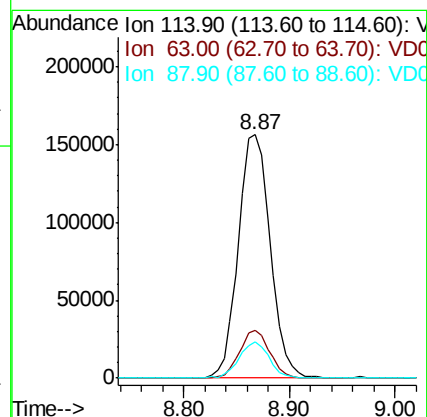
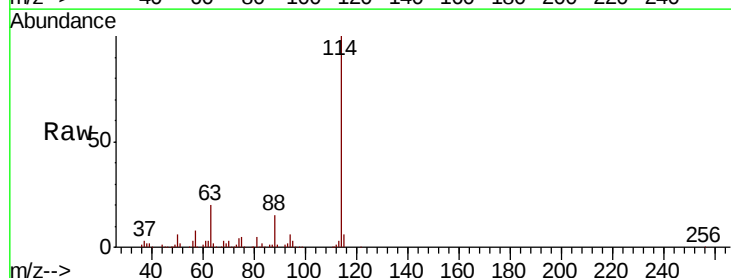
Tgt Ion: 114 Resp: 327573

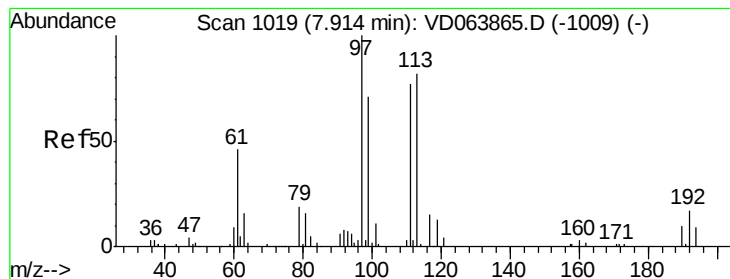
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.1 0.0 27.4





#35

Dibromofluoromethane

Concen: 47.706 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

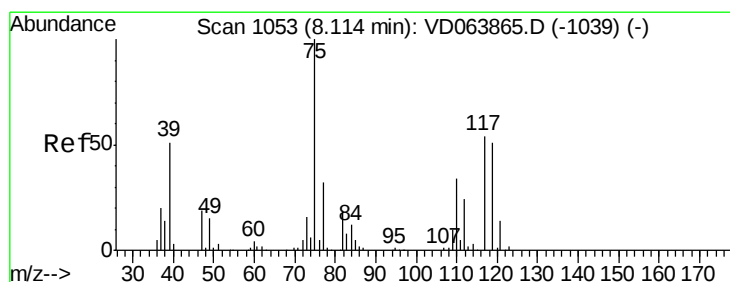
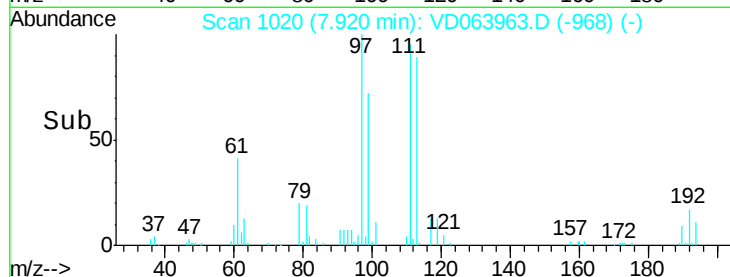
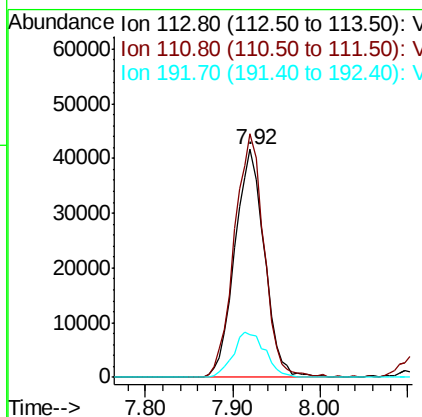
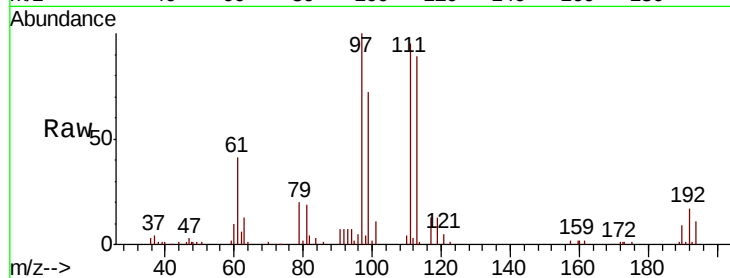
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	95502
Ion Ratio	Lower	Upper	
113	100		
111	106.4	82.6	123.8
192	21.3	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 54.260 ug/l

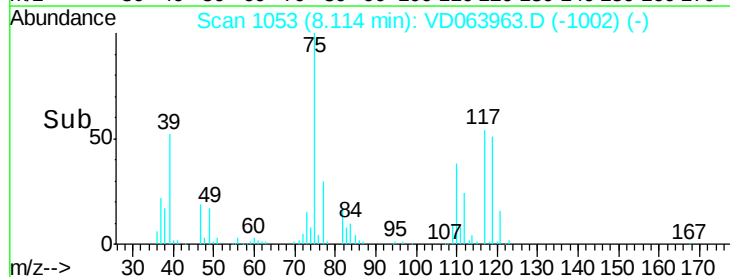
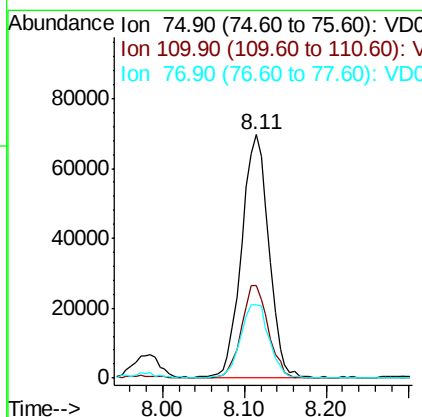
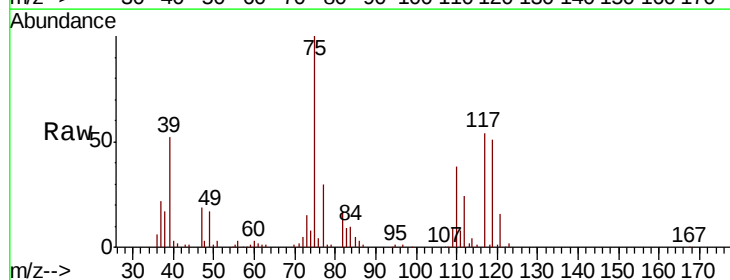
RT: 8.11 min Scan# 1053

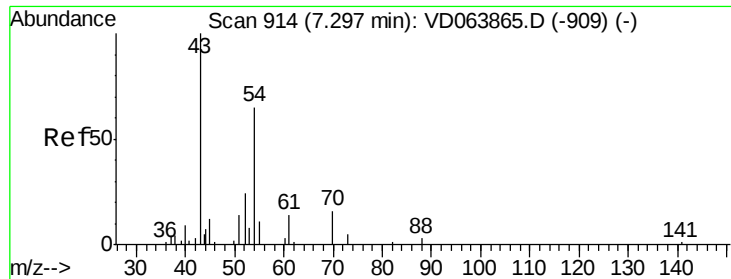
Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Tgt Ion:	75	Resp:	162512
Ion Ratio	Lower	Upper	
75	100		
110	37.4	17.4	52.3
77	31.8	25.4	38.0





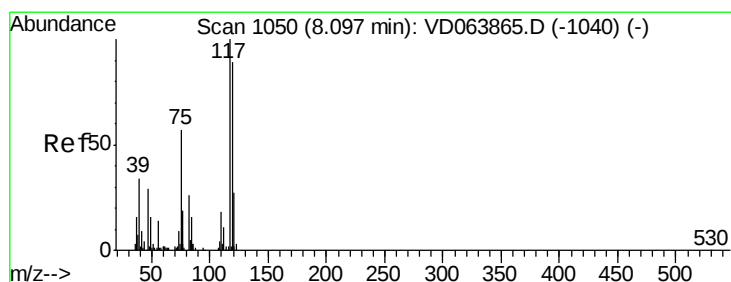
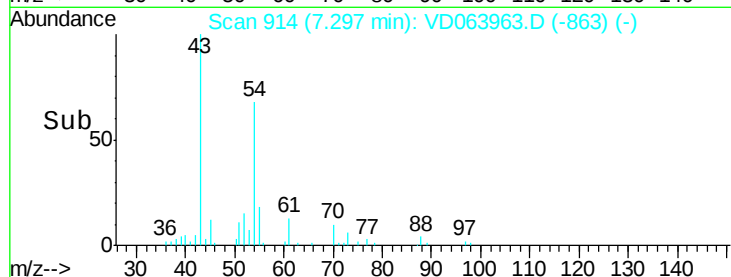
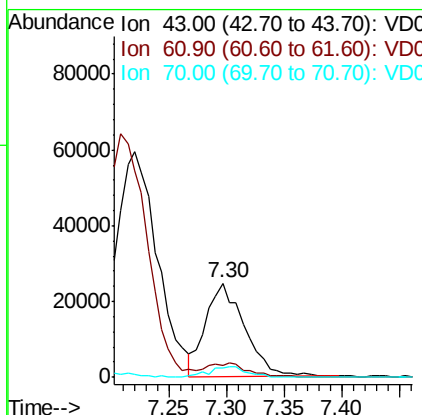
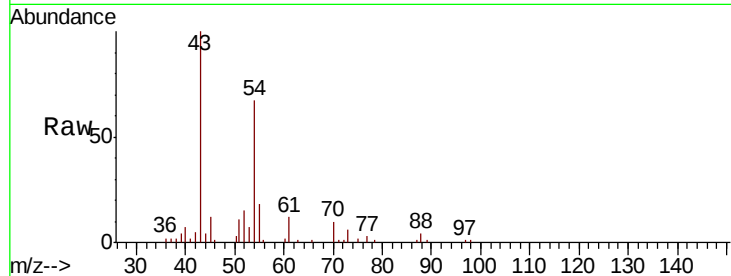
#37
Ethyl Acetate
Concen: 48.006 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	11.1	8.2	12.4

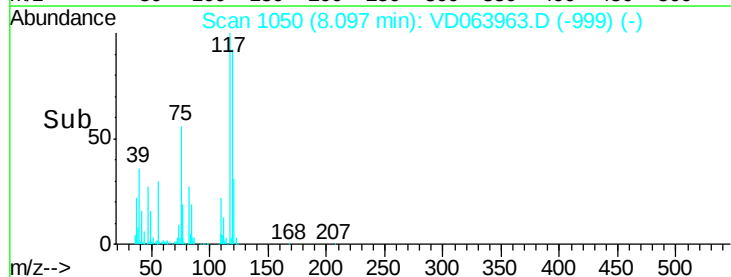
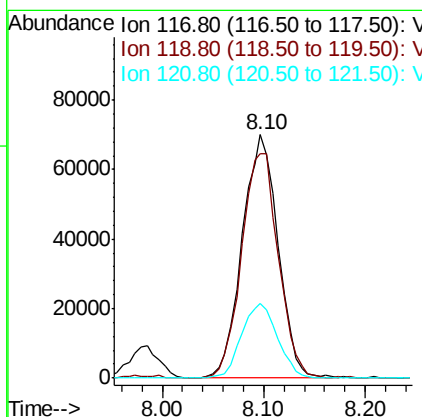
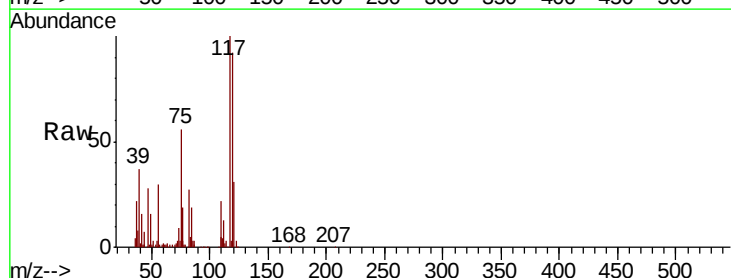
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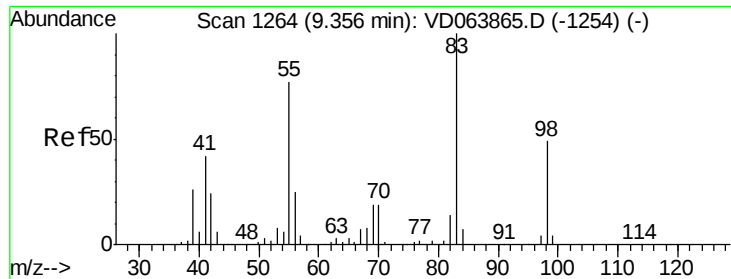
MMDadoda
10/18/2019 12:41:39 AM



#38
Carbon Tetrachloride
Concen: 56.574 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	70.8	106.2
121	30.7	21.4	32.0





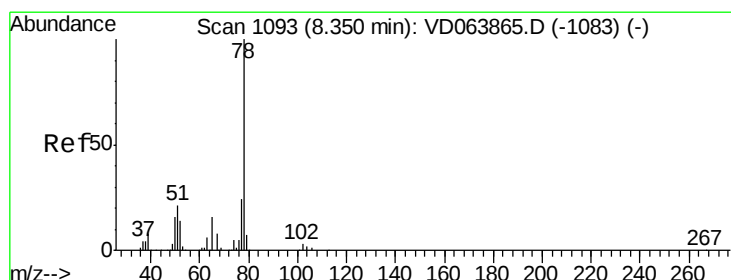
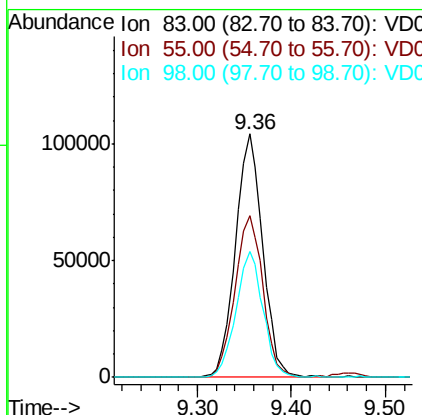
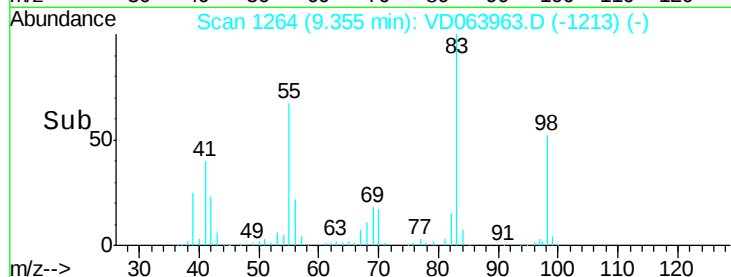
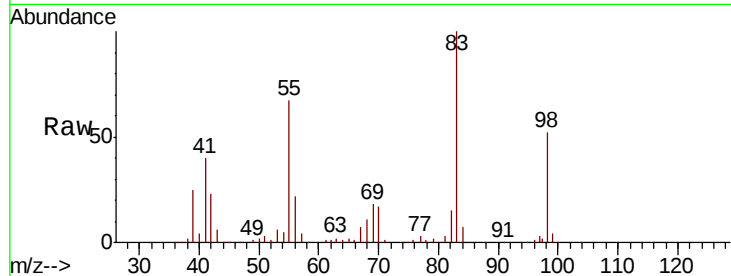
#39
Methvlcvclohexane
Concen: 56.886 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	209489		
55	66.6		61.3	91.9
98	51.6		39.3	58.9

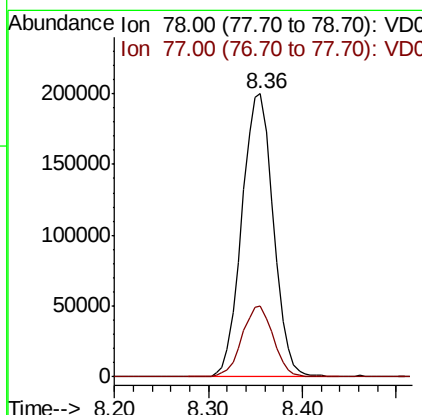
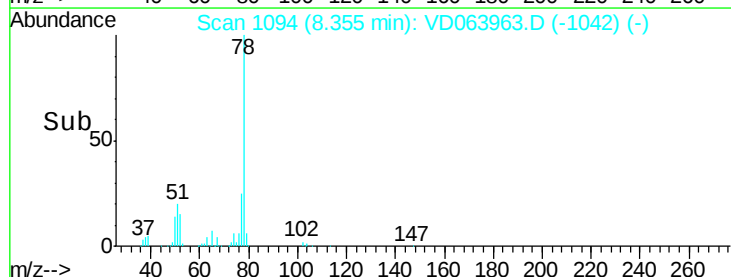
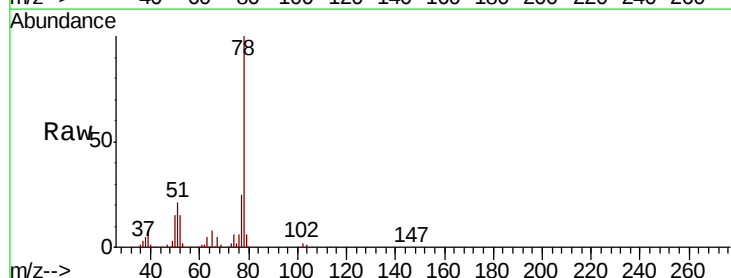
Manual Integrations
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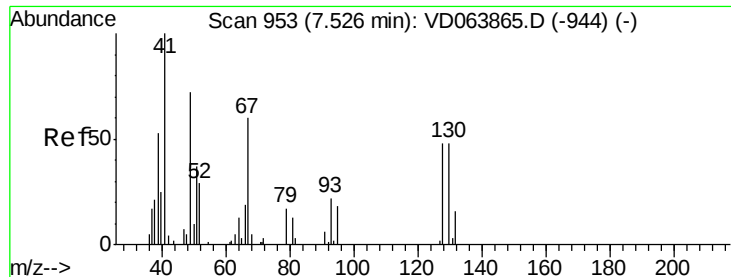
MMDadoda
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#40
Benzene
Concen: 54.095 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	464297		
77	25.0		19.0	28.6





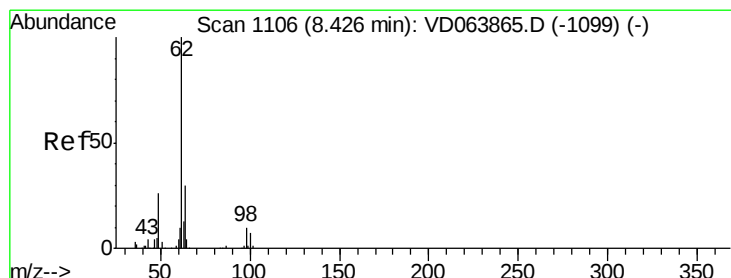
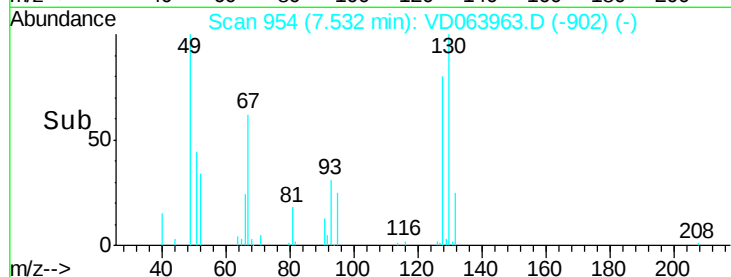
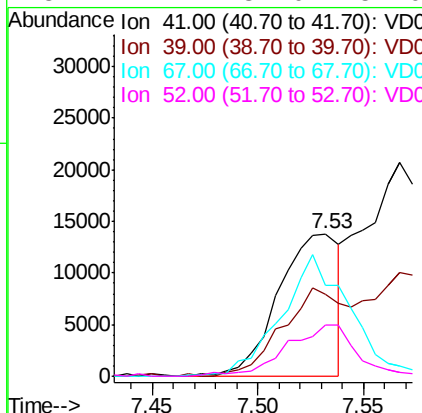
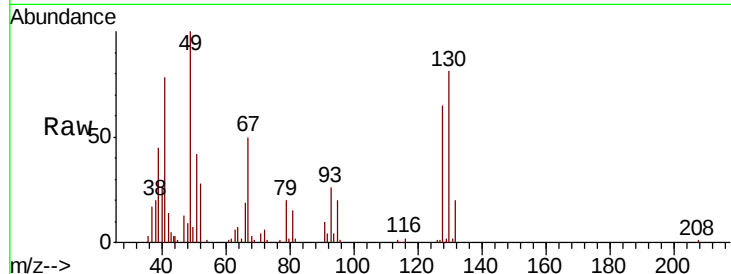
#41
Methacrylonitrile
Concen: 39.852 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.0	52.6	78.8	
67	96.5	74.2	111.2	
52	41.2	34.0	51.0	

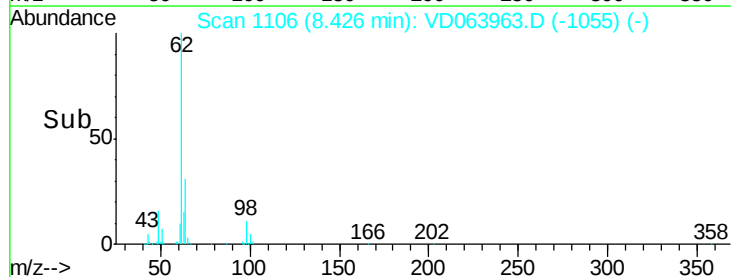
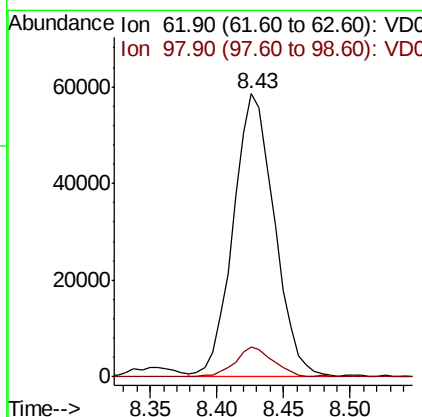
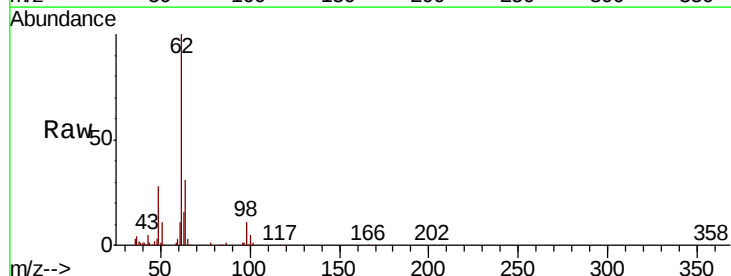
Manual Integrations
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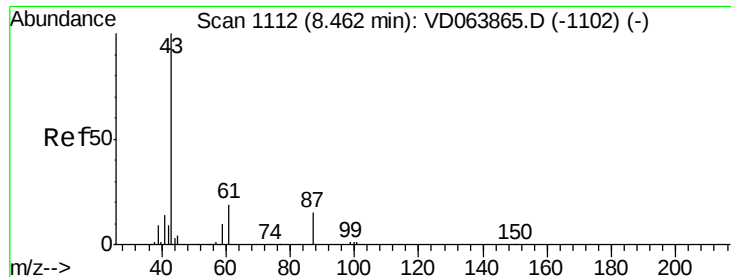
MMDadoda
10/18/2019 12:41:39 AM



#42
1,2-Dichloroethane
Concen: 50.217 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.0	





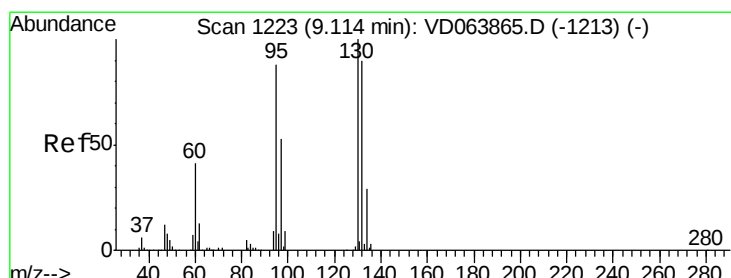
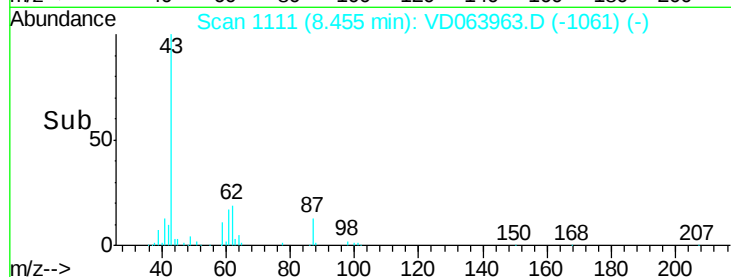
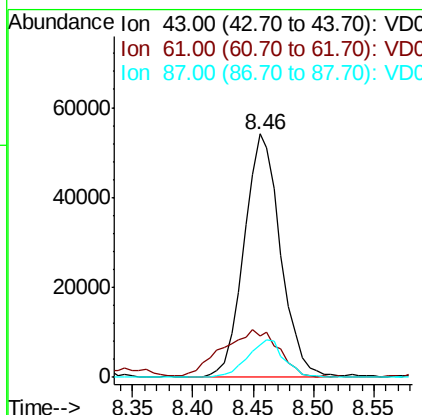
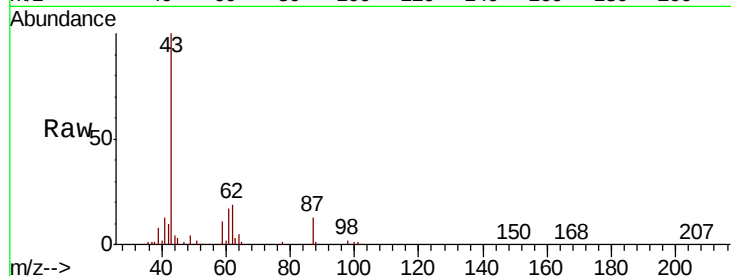
#43
Isopropyl Acetate
Concen: 45.260 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.4	25.7	38.5
87	15.4	11.6	17.4

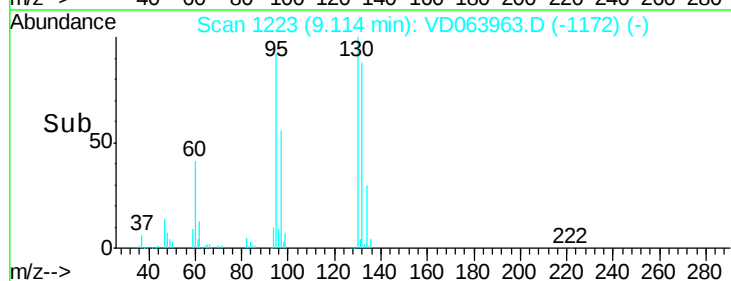
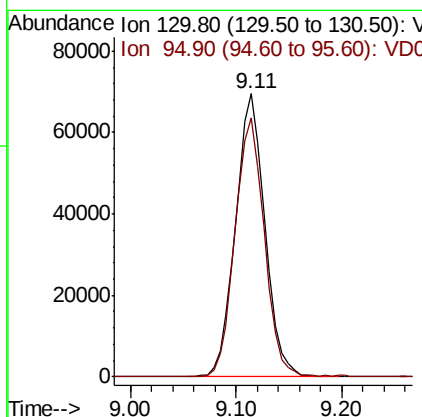
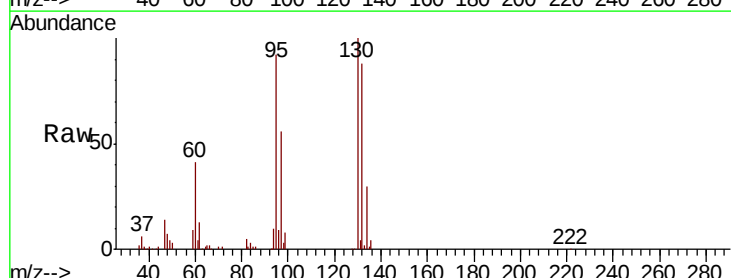
Manual Integrations
APPROVED

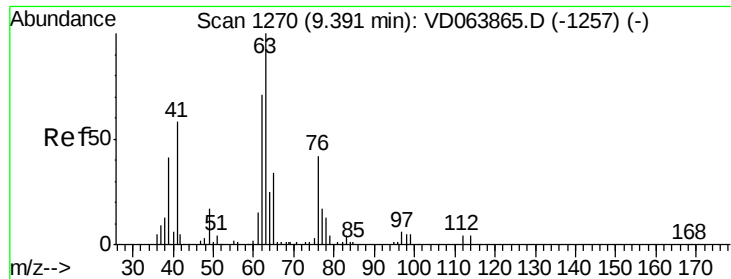
MMDadoda
10/18/2019 12:41:39 AM



#44
Trichloroethene
Concen: 53.975 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	175.6





#45

1,2-Dichloropropane

Concen: 51.292 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 107755

Ion Ratio Lower Upper

63 100

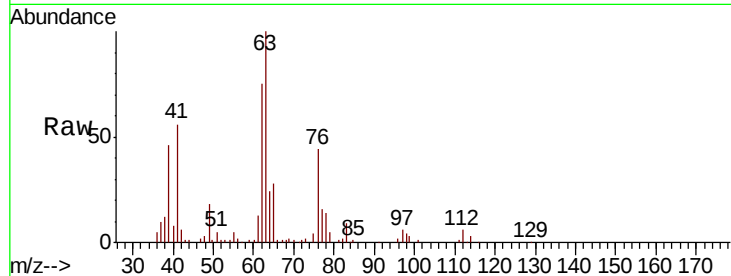
65 28.2 27.3 40.9

Manual Integrations

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MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

60000

50000

40000

30000

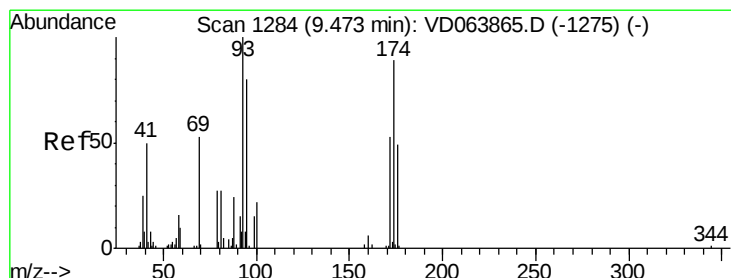
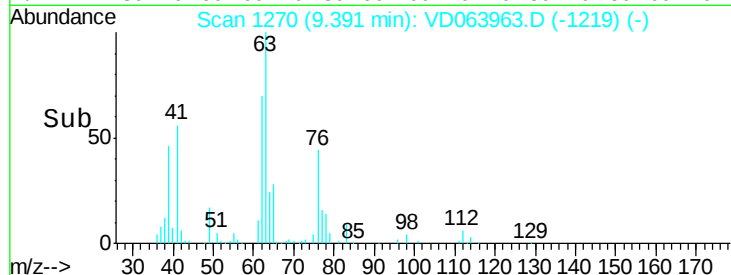
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 51.245 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

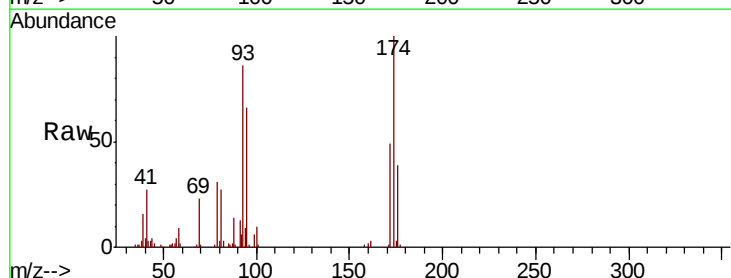
Tgt Ion: 93 Resp: 61312

Ion Ratio Lower Upper

93 100

95 84.3 66.0 99.0

174 108.6 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): VDC

50000

40000

30000

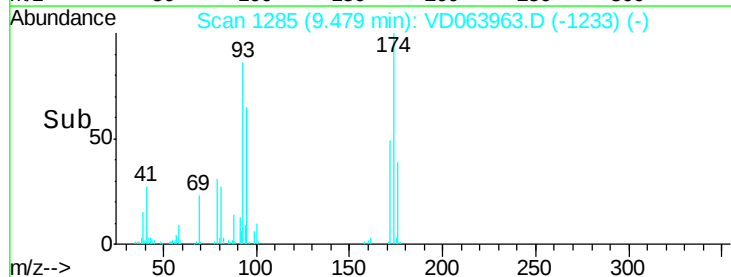
20000

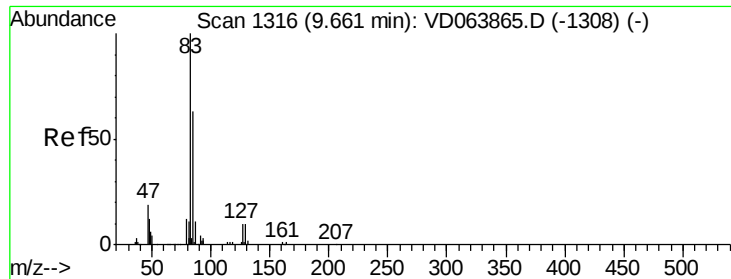
10000

0

9.40 9.45 9.50 9.55

Time-->





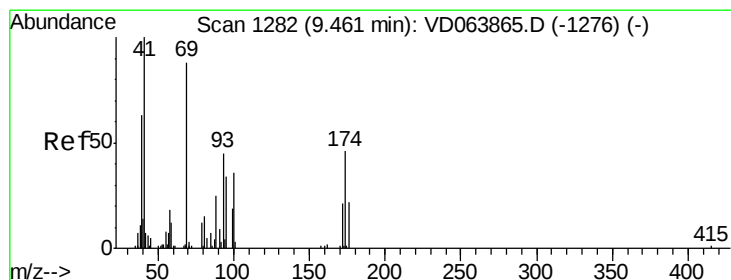
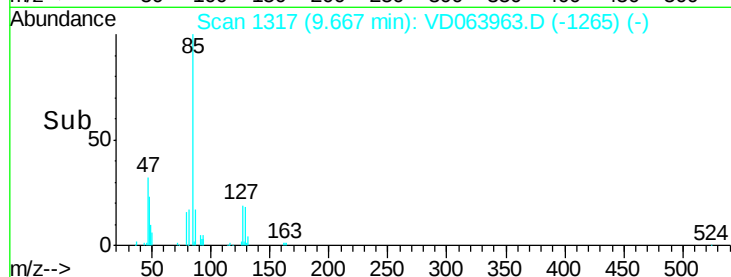
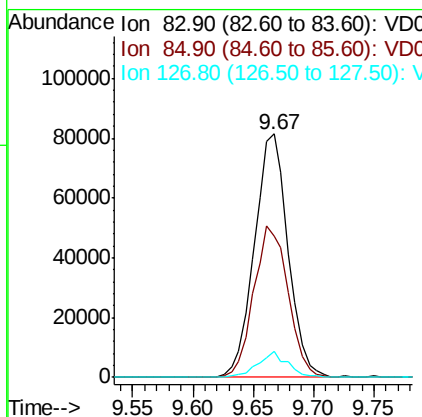
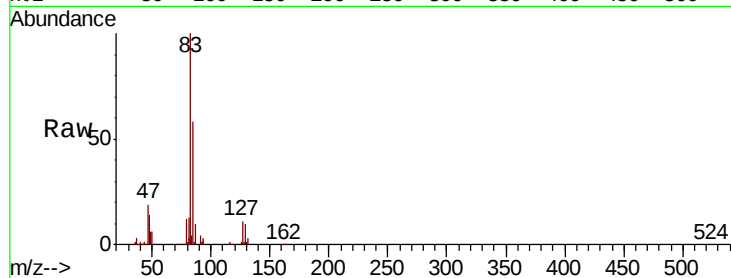
#47
Bromodichloromethane
Concen: 51.349 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	158174
Ion Ratio	100	Lower	Upper
83	100		
85	58.2	50.2	75.2
127	10.9	7.6	11.4

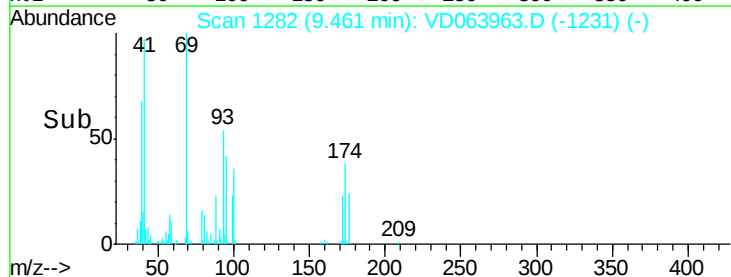
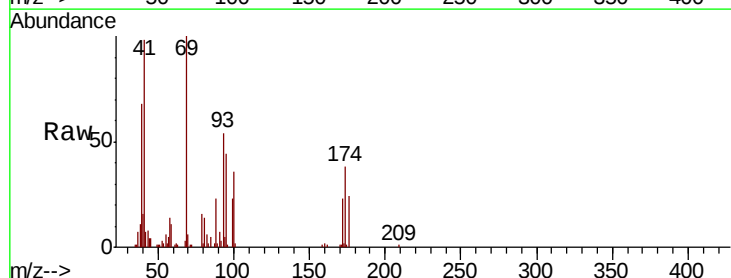
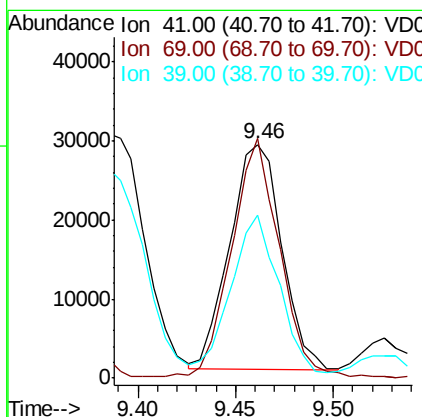
Manual Integrations
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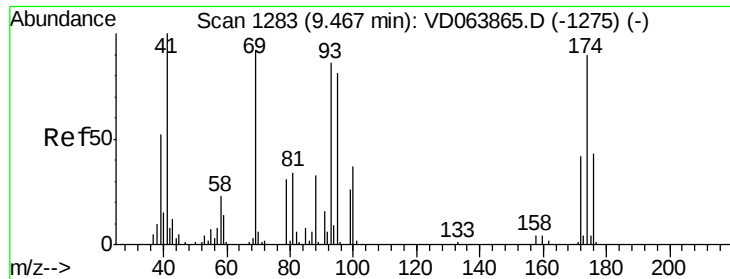
MMDadoda
10/18/2019 12:41:39 AM



#48
Methyl methacrylate
Concen: 43.524 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	41	Resp	52380
Ion Ratio	100	Lower	Upper
41	100		
69	99.6	75.1	112.7
39	69.4	50.2	75.2





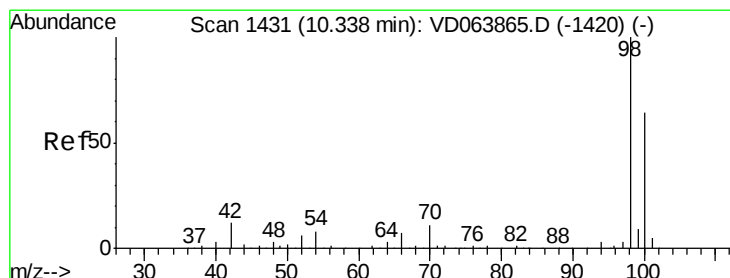
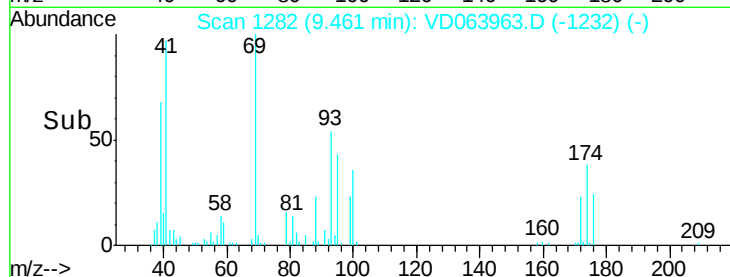
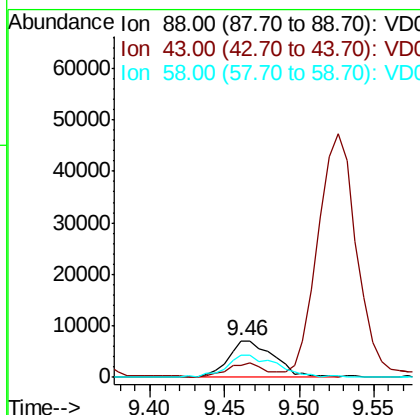
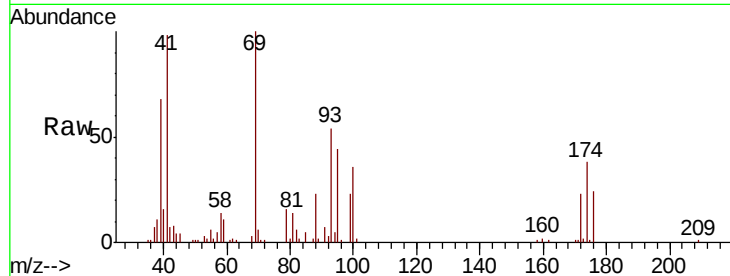
#49
1,4-Dioxane
Concen: 934.274 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	27.6	41.4
58	67.9	54.1	81.1

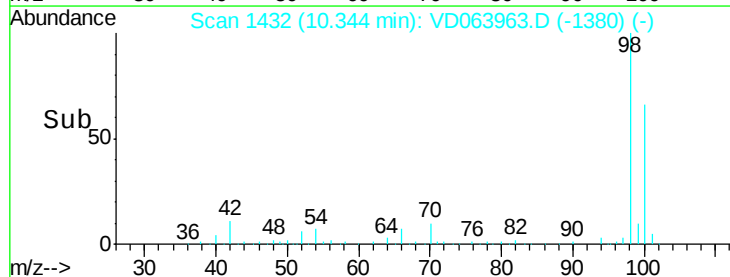
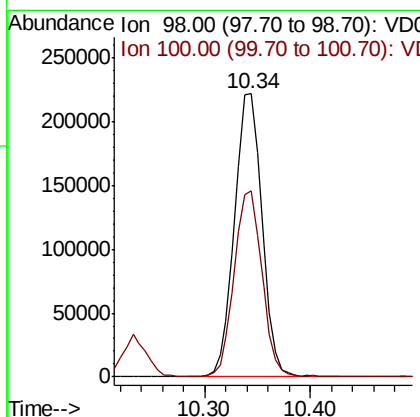
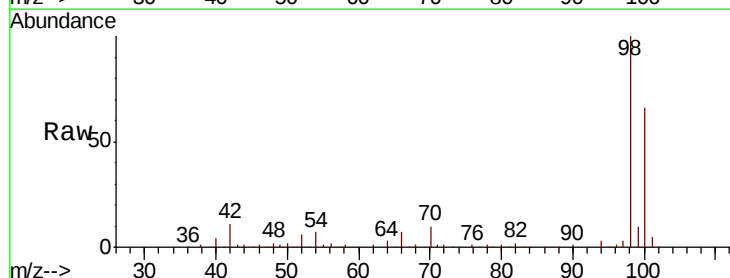
Manual Integrations
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10/18/2019 12:41:39 AM



#50
Toluene-d8
Concen: 49.276 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 236.338 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 307870

Ion Ratio Lower Upper

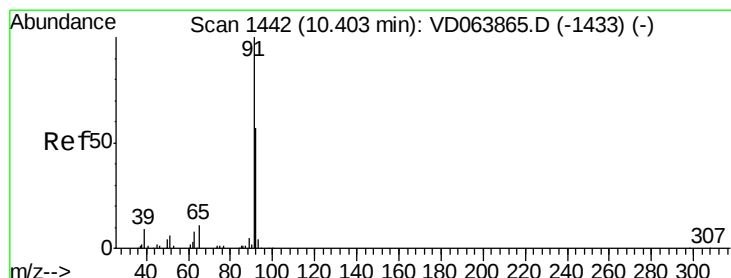
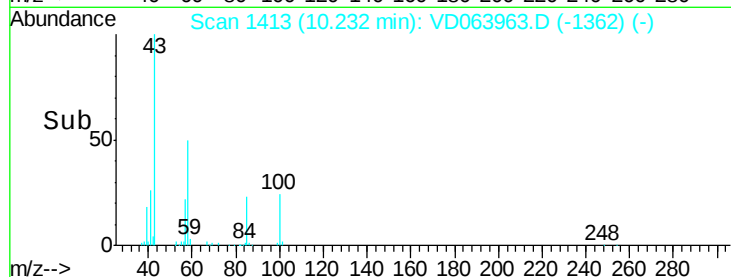
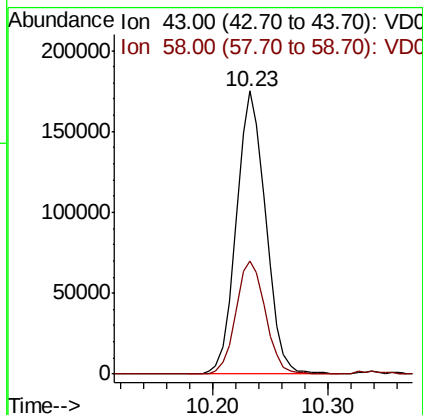
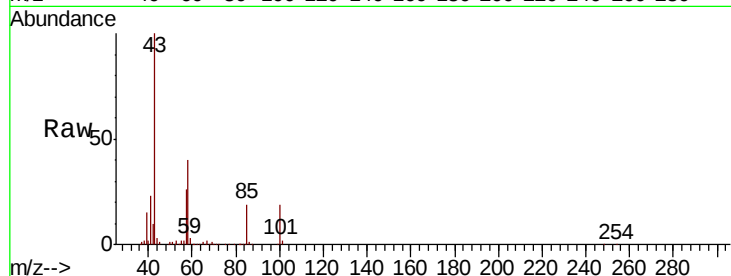
43 100

58 40.3 33.0 49.4

Manual Integrations
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#52

Toluene

Concen: 53.278 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063963.D

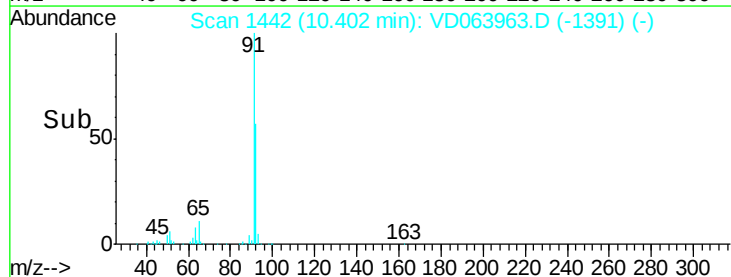
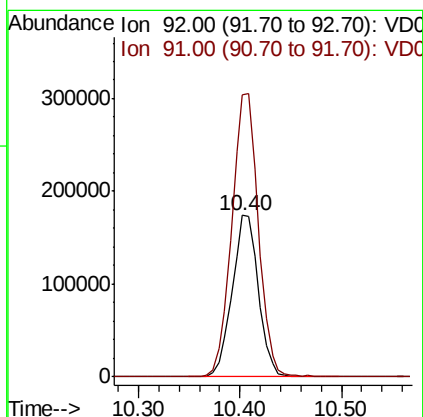
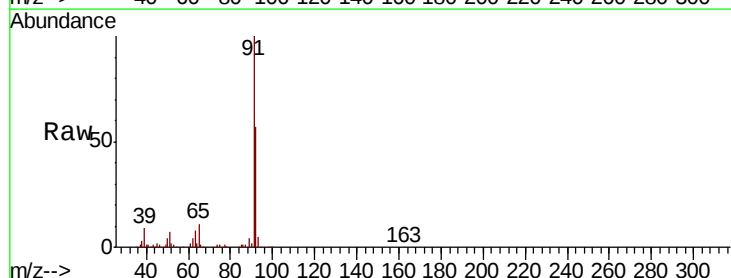
Acq: 15 Oct 2019 10:48

Tgt Ion: 92 Resp: 313920

Ion Ratio Lower Upper

92 100

91 176.2 139.5 209.3





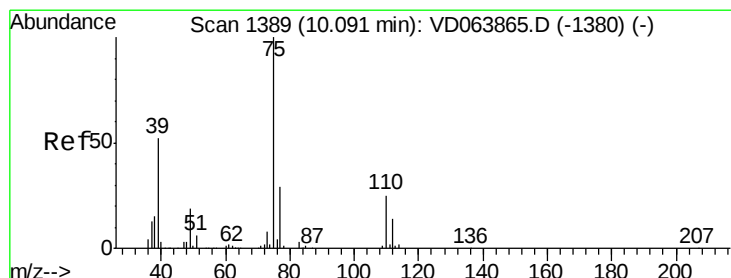
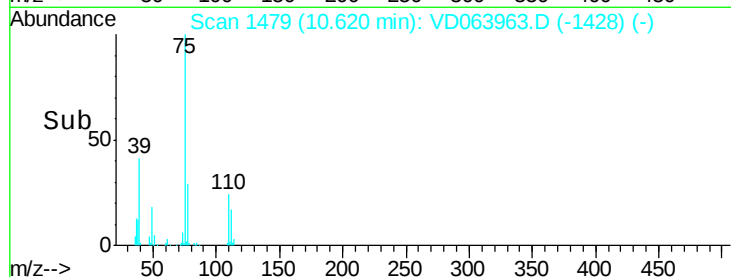
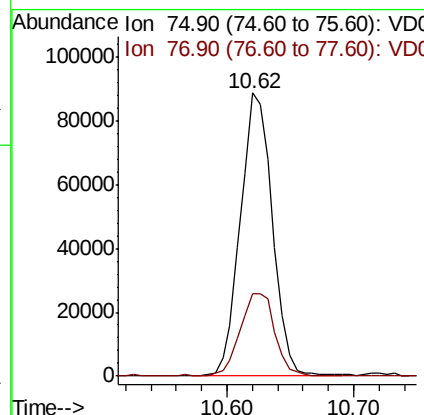
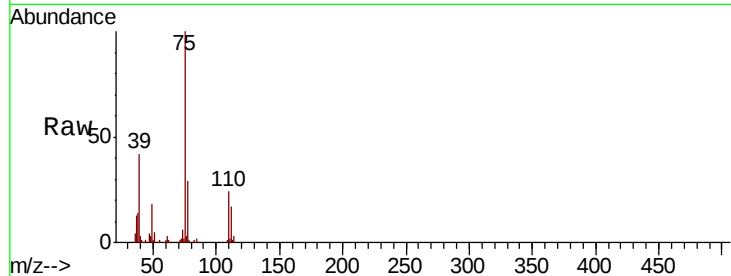
#53
 t-1,3-Dichloropropene
 Concen: 51.669 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 155312
 Ion Ratio Lower Upper
 75 100
 77 29.2 22.8 34.2

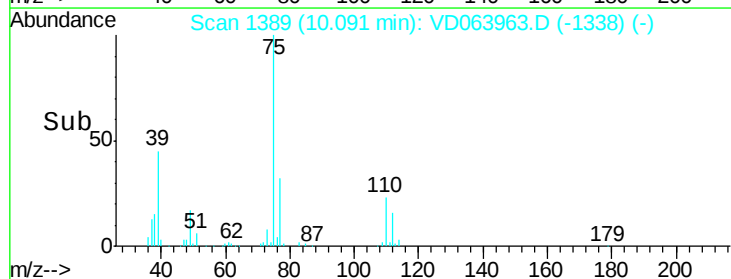
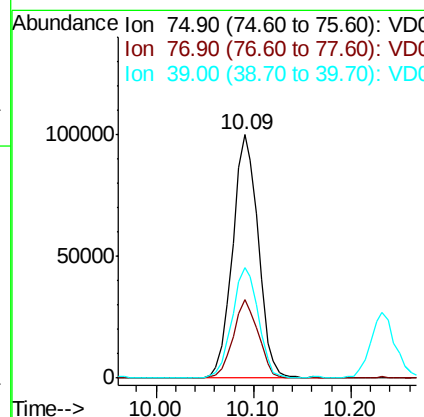
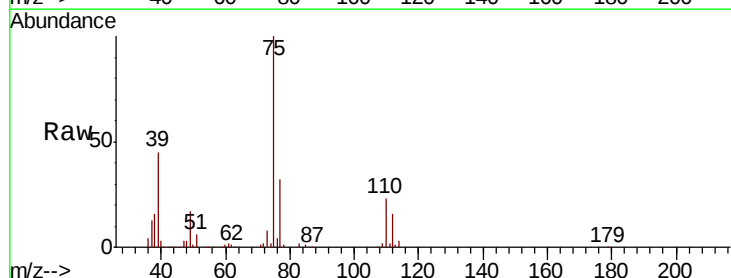
Manual Integrations
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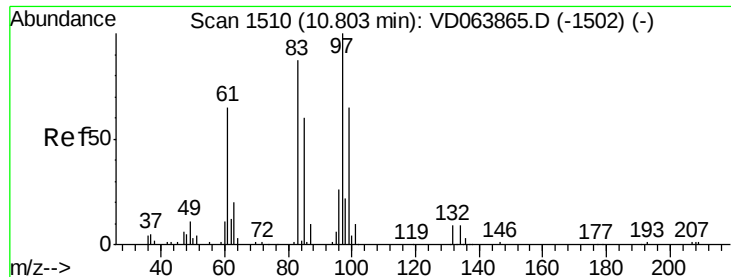
MMDadoda
 10/18/2019 12:41:39 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.759 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 75 Resp: 182551
 Ion Ratio Lower Upper
 75 100
 77 32.2 23.2 34.8
 39 45.0 41.5 62.3





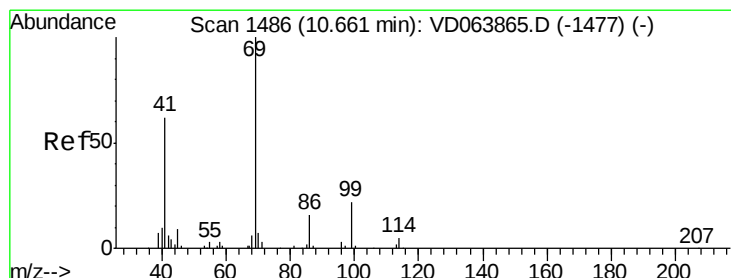
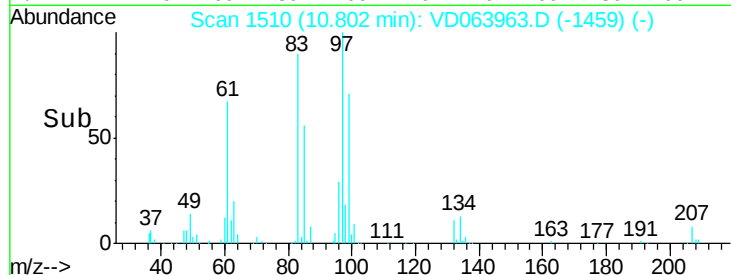
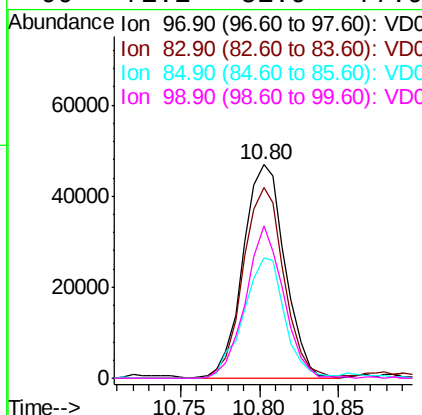
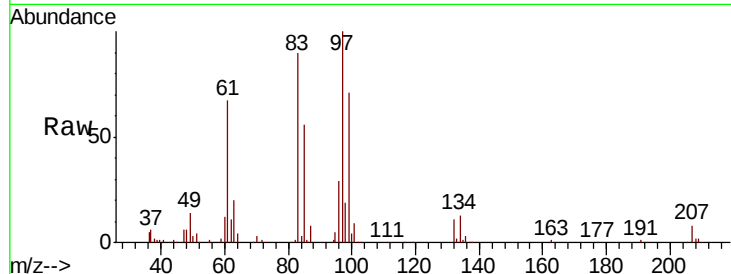
#55
 1,1,2-Trichloroethane
 Concen: 51.042 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.5	69.7	104.5
85	56.1	48.1	72.1
99	71.1	51.9	77.9

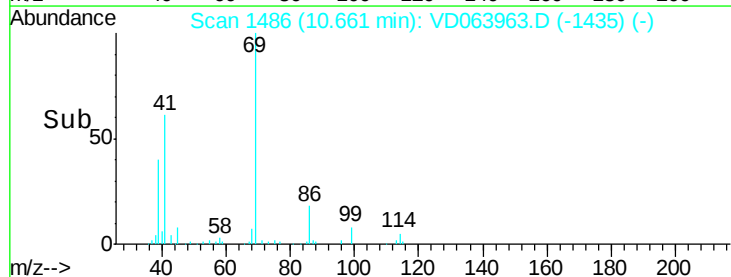
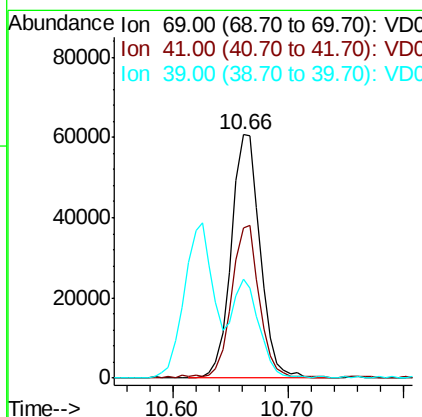
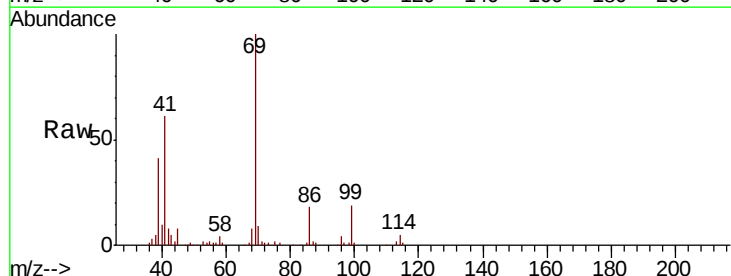
Manual Integrations
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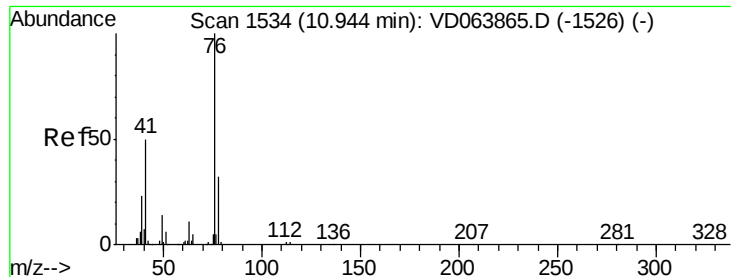
MMDadoda
 10/18/2019 12:41:39 AM



#56
 Ethyl methacrylate
 Concen: 49.101 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	58.3	51.3	76.9
39	38.5	28.0	42.0





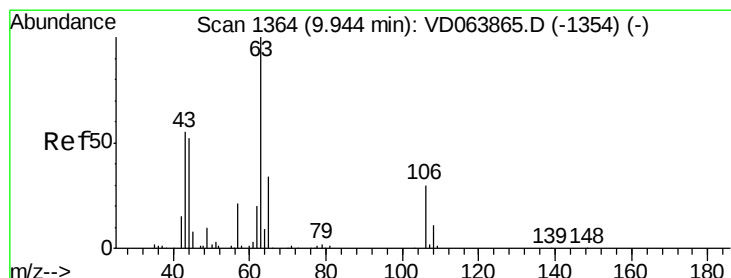
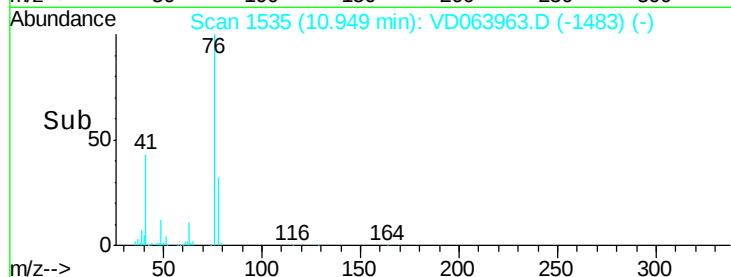
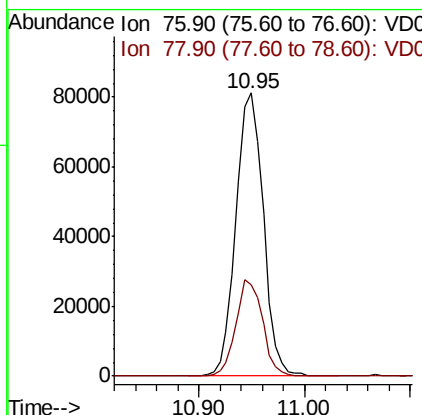
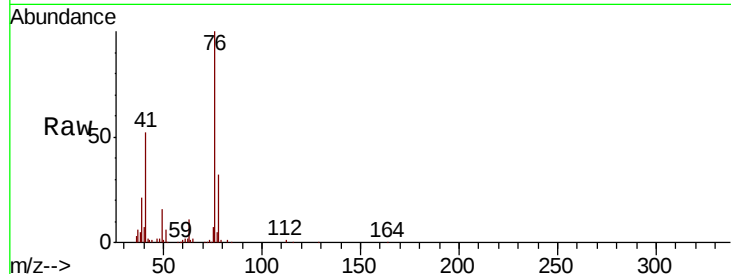
#57
 1,3-Dichloropropane
 Concen: 50.401 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.6	40.0

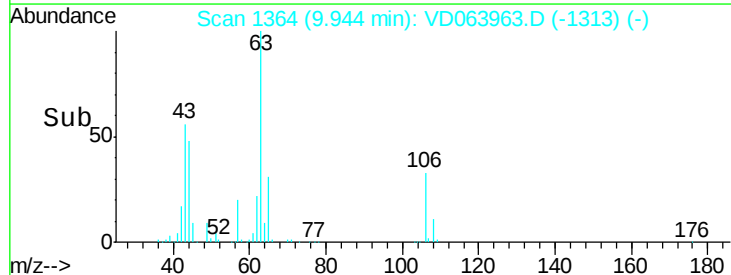
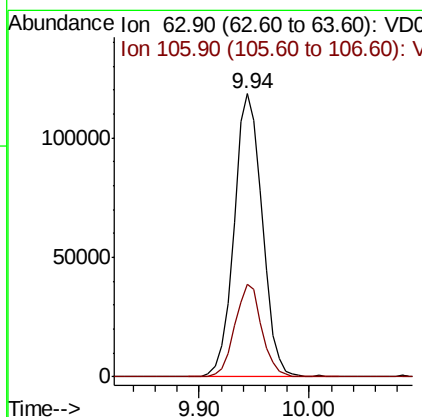
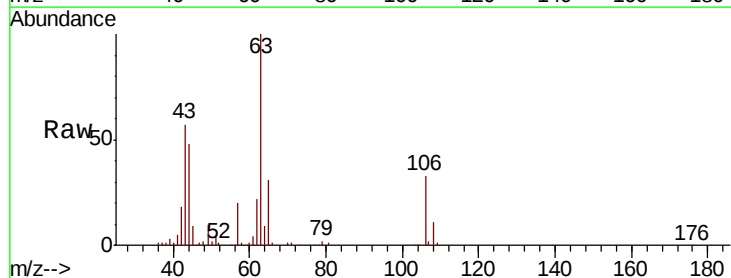
Manual Integrations
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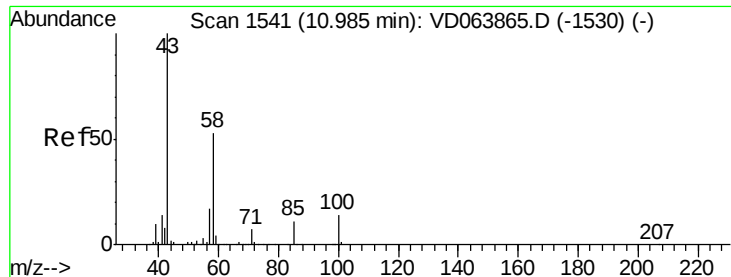
MMDadoda
 10/18/2019 12:41:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.477 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	24.3	36.5





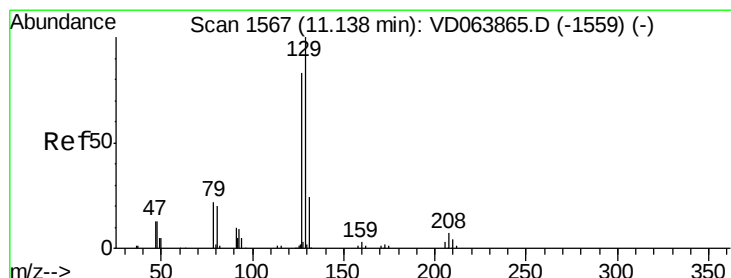
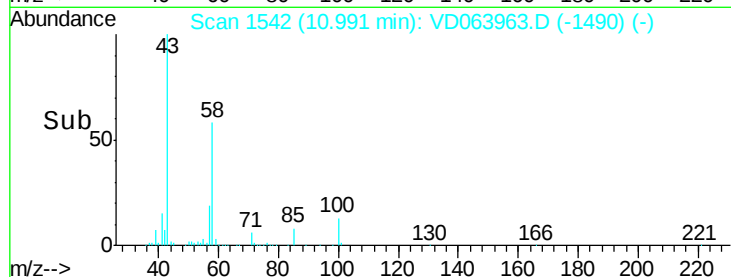
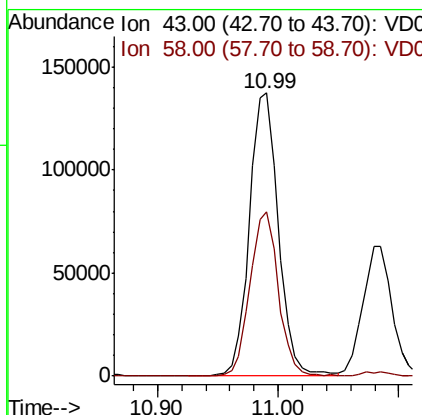
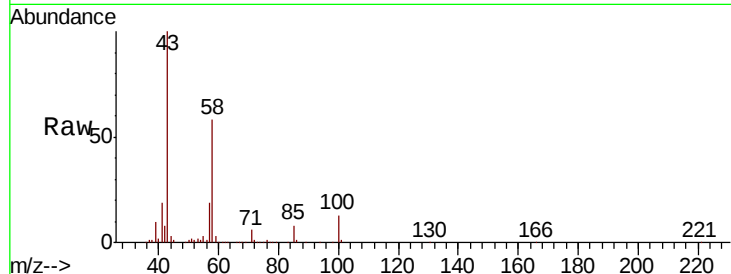
#59
2-Hexanone
Concen: 245.285 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 231135
Ion Ratio Lower Upper
43 100
58 56.9 27.7 83.0

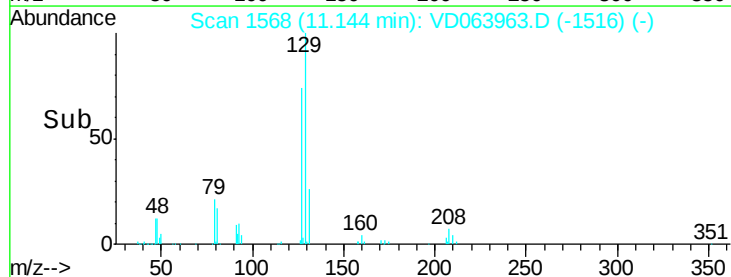
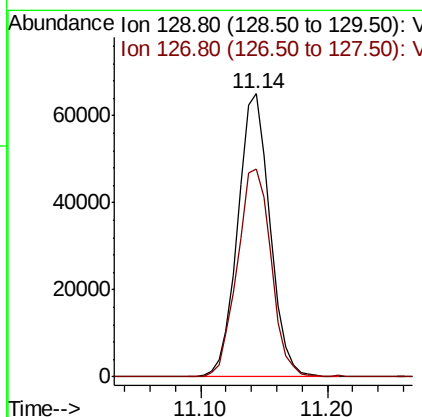
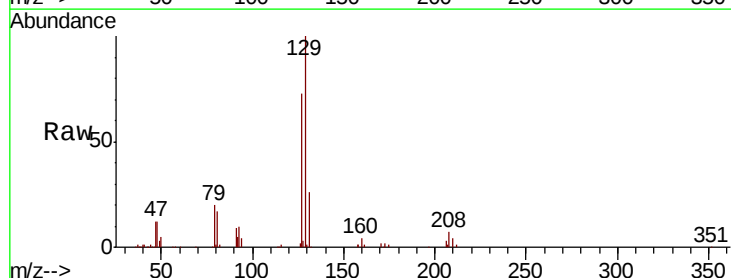
Manual Integrations
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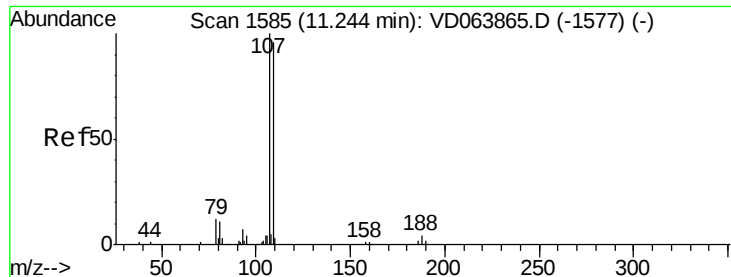
MMDadoda
10/18/2019 12:41:39 AM



#60
Dibromochloromethane
Concen: 52.014 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion:129 Resp: 114397
Ion Ratio Lower Upper
129 100
127 77.4 39.9 119.6





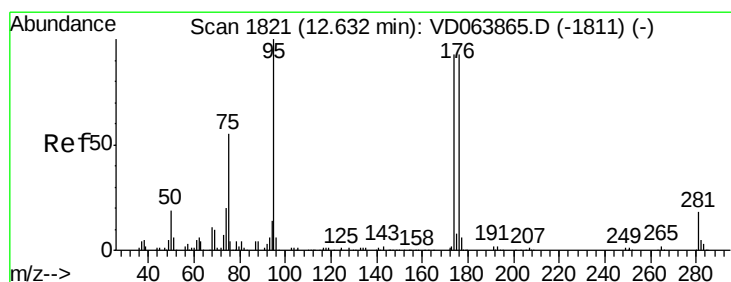
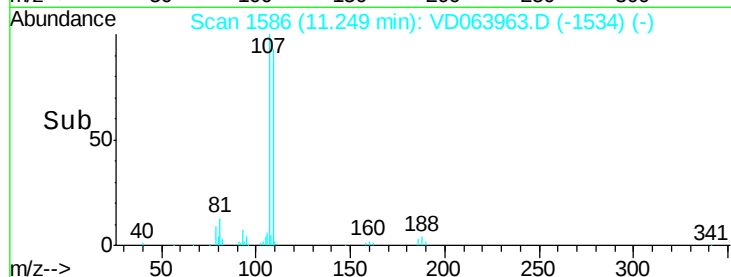
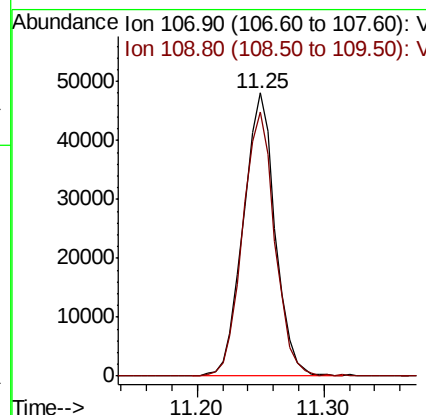
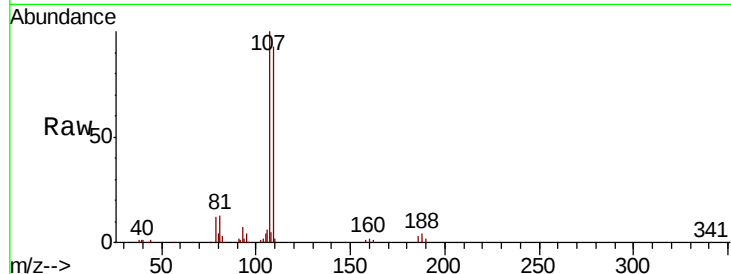
#61
 1,2-Dibromoethane
 Concen: 51.145 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 83762
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.2 112.8

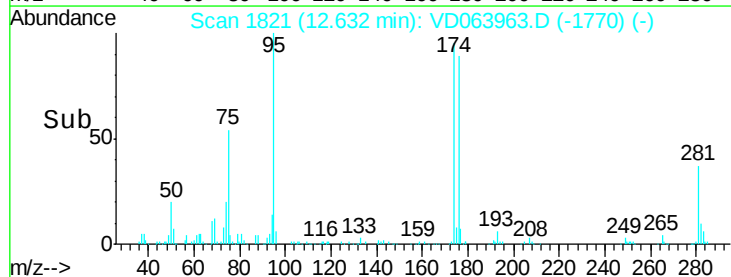
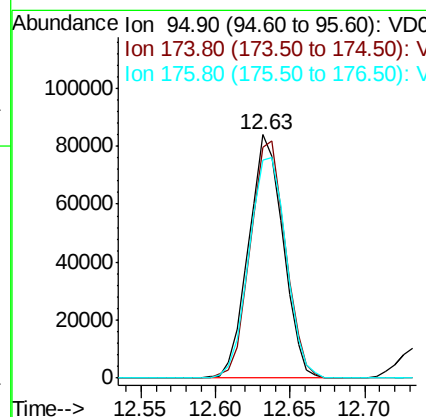
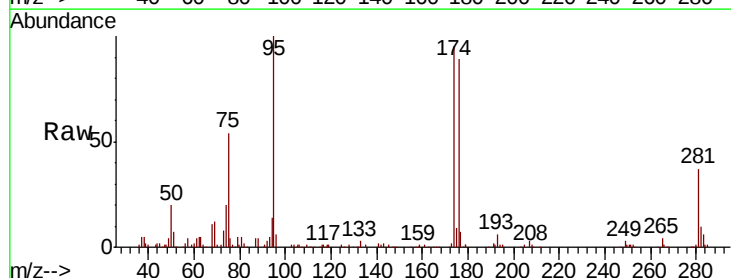
Manual Integrations
 APPROVED

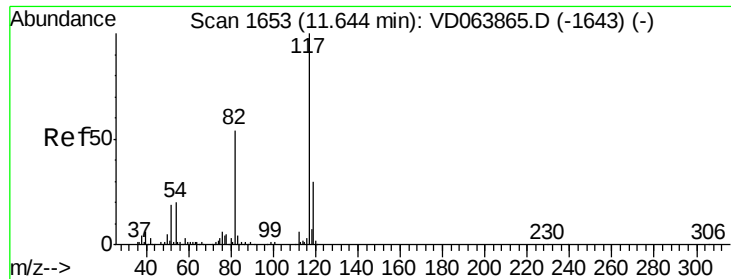
MMDadoda
 10/18/2019 12:41:39 AM



#62
 4-Bromofluorobenzene
 Concen: 47.573 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion: 95 Resp: 134326
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 186.4
 176 97.5 0.0 184.2





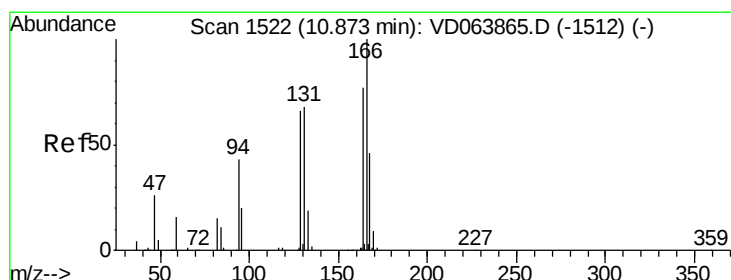
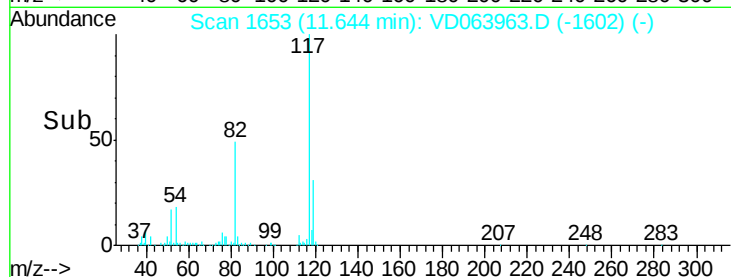
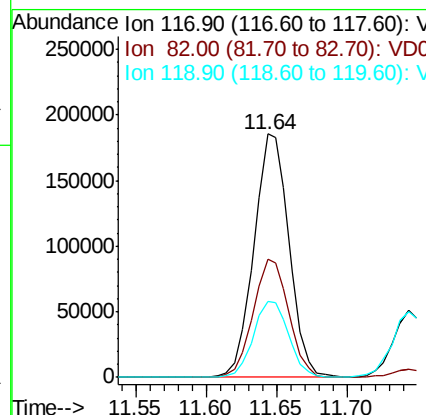
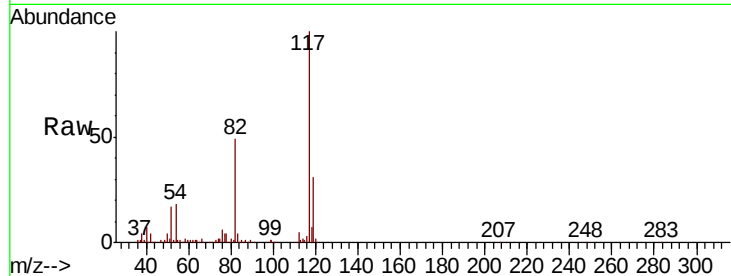
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.7	42.8	64.2
119	31.0	24.4	36.6

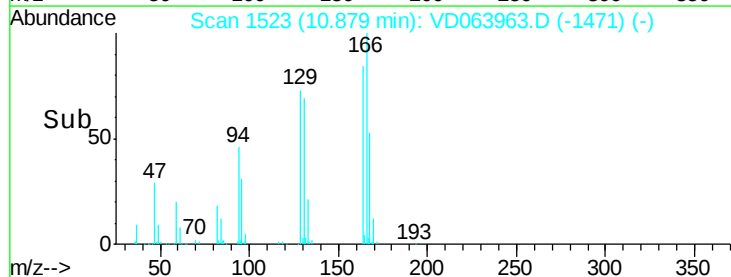
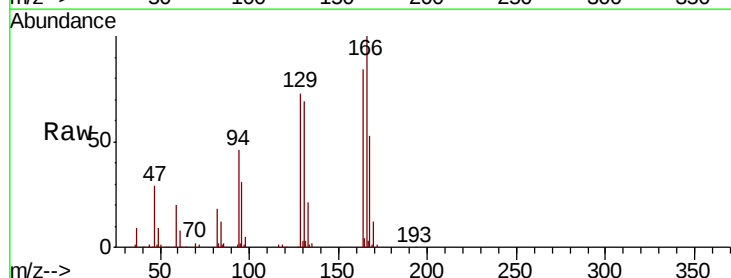
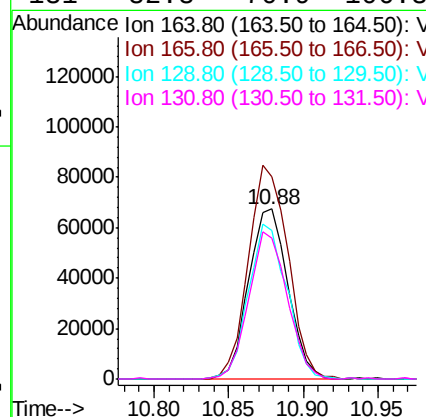
Manual Integrations
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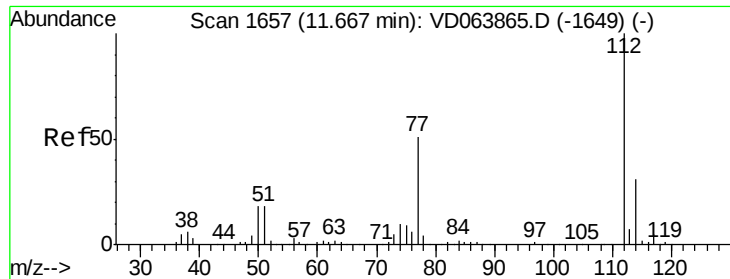
MMDadoda
10/18/2019 12:41:39 AM



#64
Tetrachloroethene
Concen: 55.857 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.1	103.8	155.6
129	87.3	68.9	103.3
131	82.8	70.9	106.3





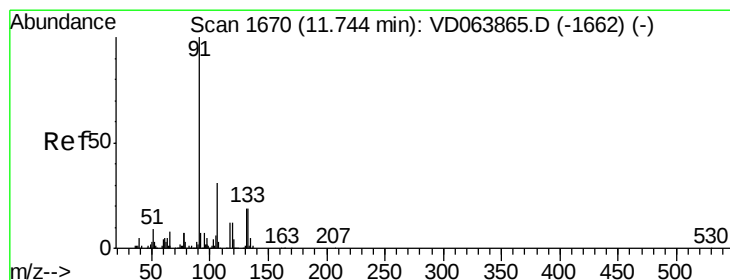
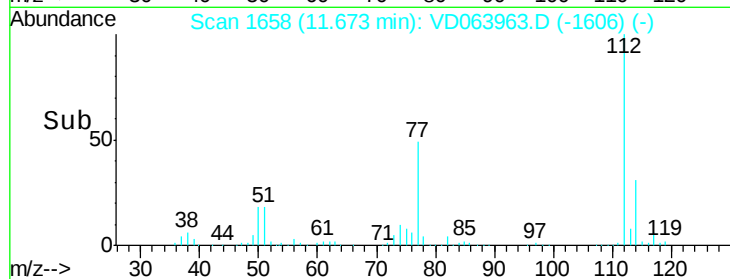
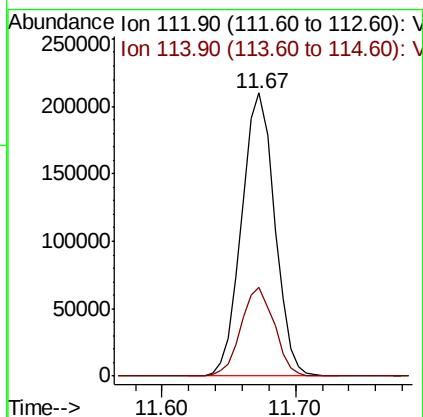
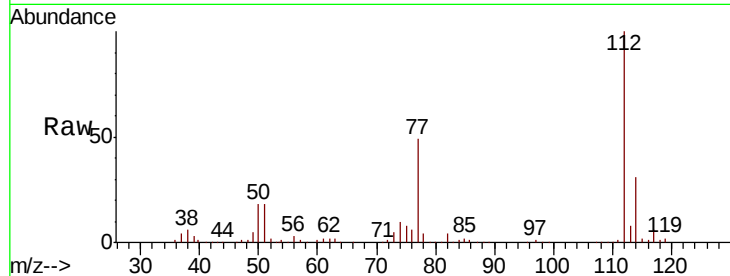
#65
Chlorobenzene
Concen: 55.517 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 360584
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7

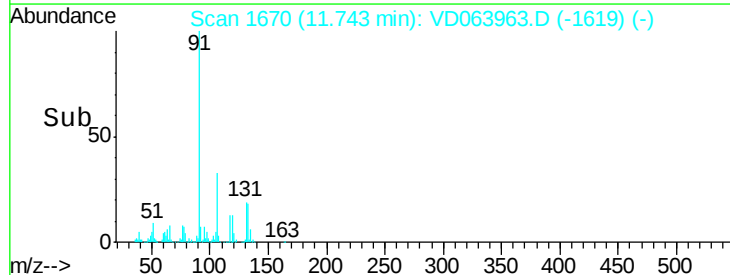
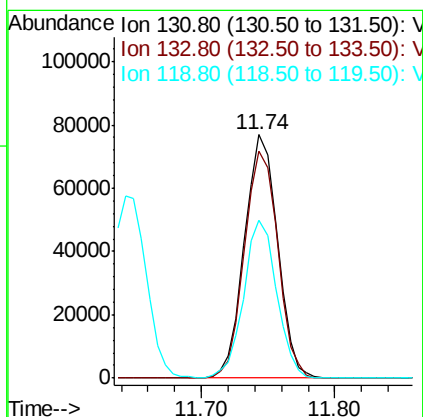
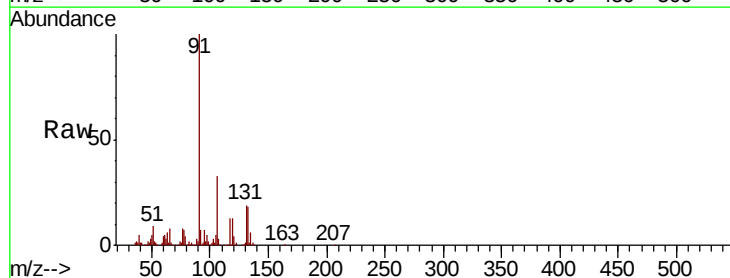
Manual Integrations
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MMDadoda
10/18/2019 12:41:39 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.201 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion:131 Resp: 132111
Ion Ratio Lower Upper
131 100
133 94.3 48.9 146.7
119 64.5 32.6 97.8





#67

Ethyl Benzene

Concen: 55.426 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 649140

Ion Ratio Lower Upper

91 100

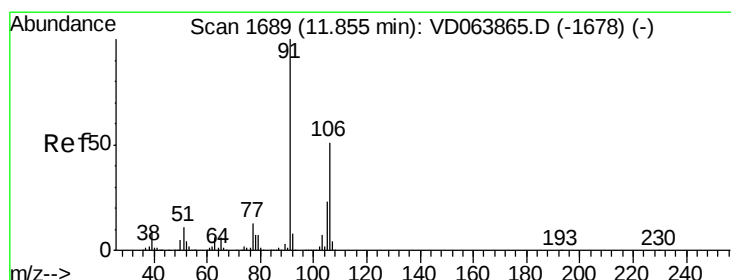
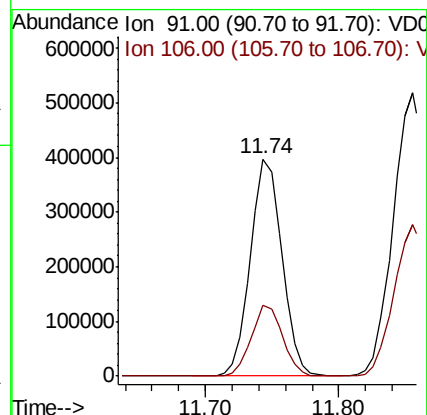
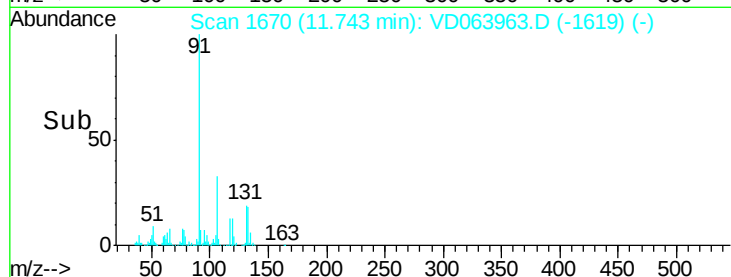
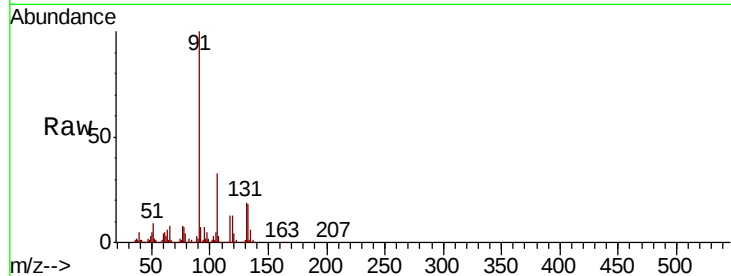
106 32.5 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 114.123 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063963.D

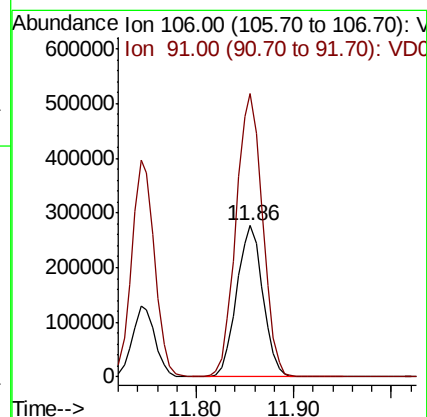
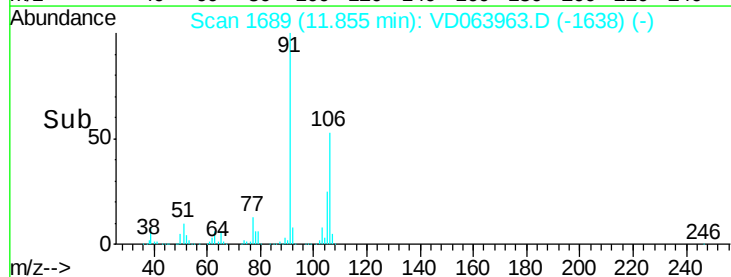
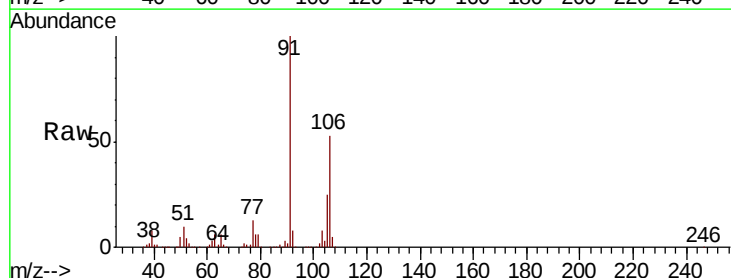
Acq: 15 Oct 2019 10:48

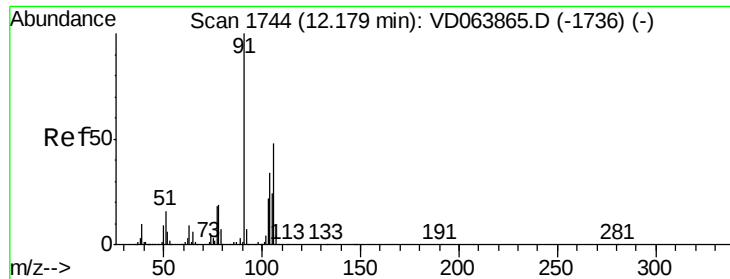
Tgt Ion: 106 Resp: 515891

Ion Ratio Lower Upper

106 100

91 189.1 154.8 232.2





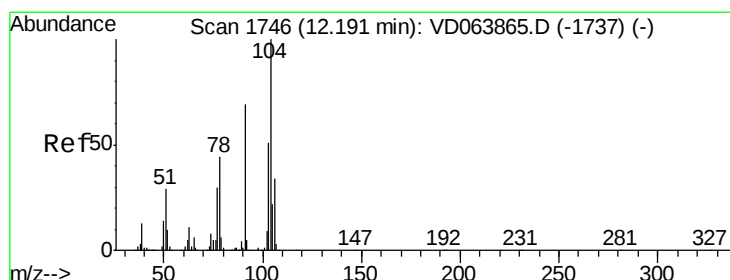
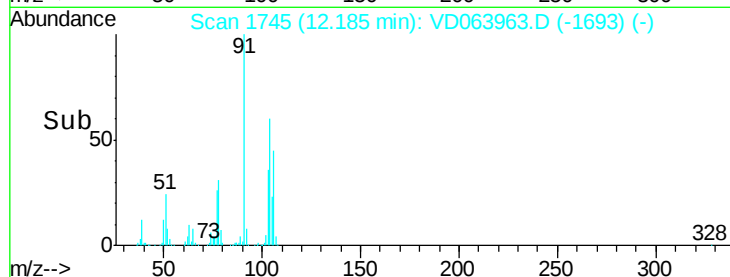
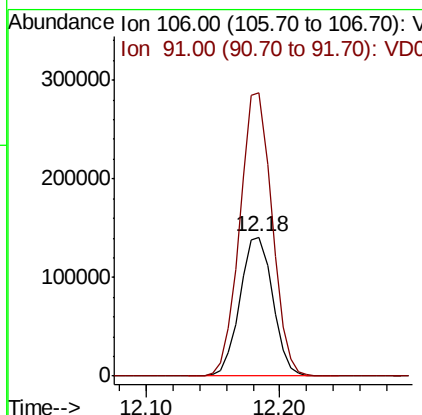
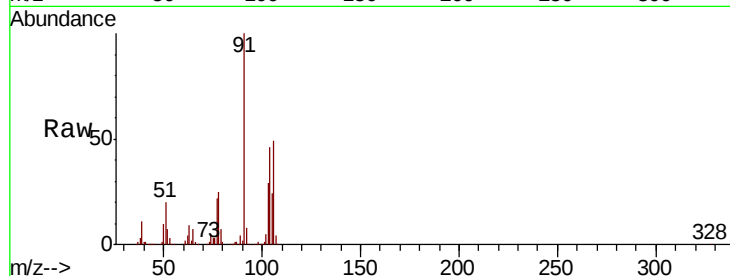
#69
o-Xylene
Concen: 55.237 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	200.7	103.9	311.7

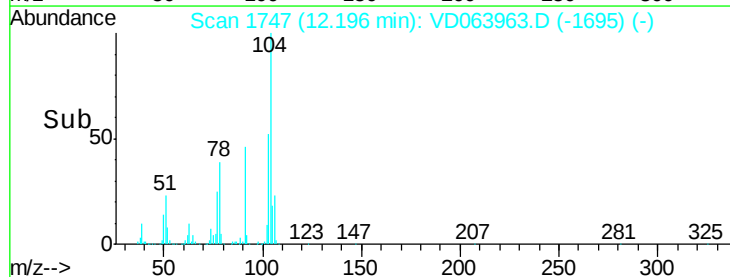
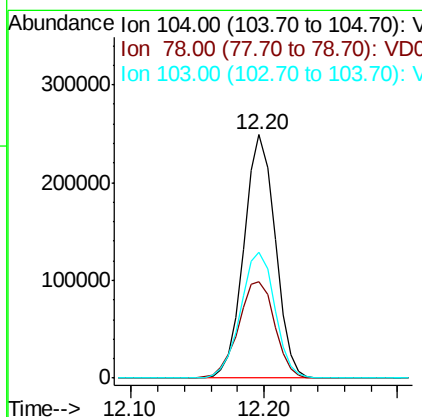
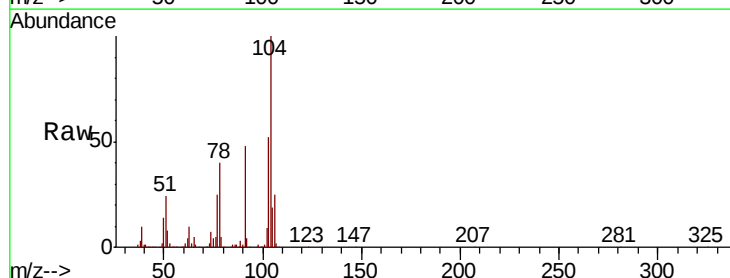
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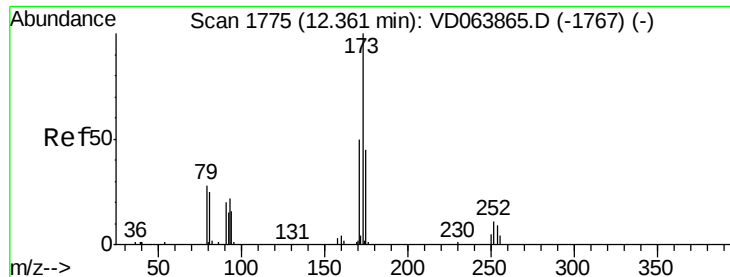
MMDadoda
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#70
Styrene
Concen: 55.118 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.8	37.0	55.4
103	56.4	44.2	66.4





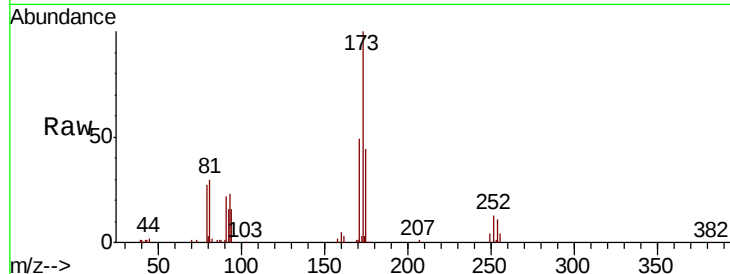
#71
Bromoform
Concen: 55.182 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	74.0
254	0.0	0.0	0.0

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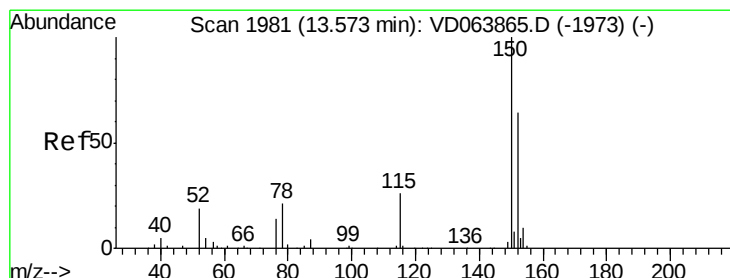
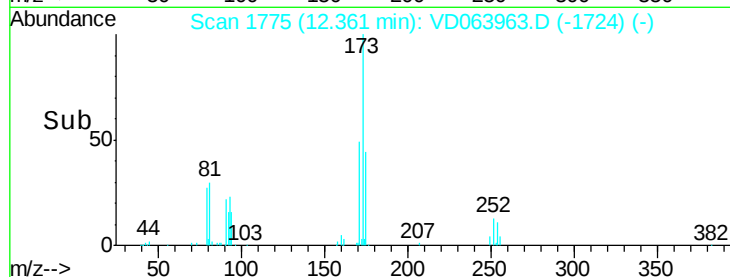
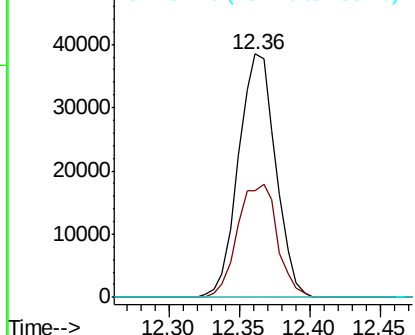


Abundance

Ion 172.70 (172.40 to 173.40): V

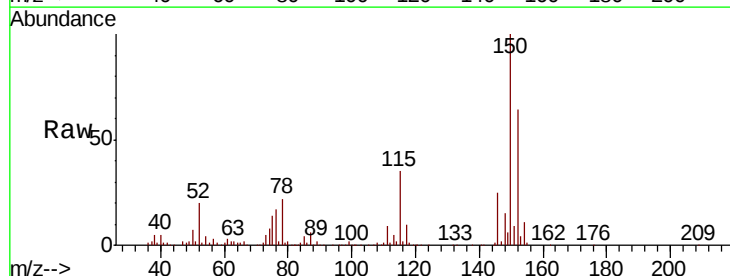
Ion 174.70 (174.40 to 175.40): V

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: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.9	25.9	77.7
150	172.1	0.0	344.2

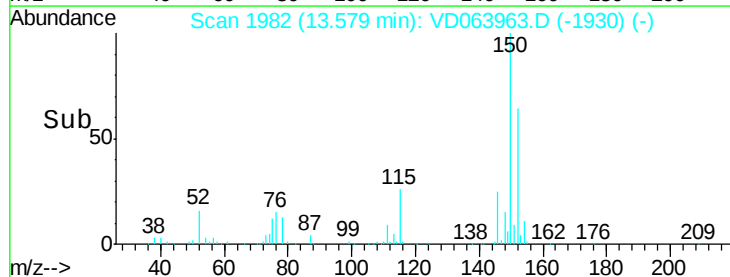
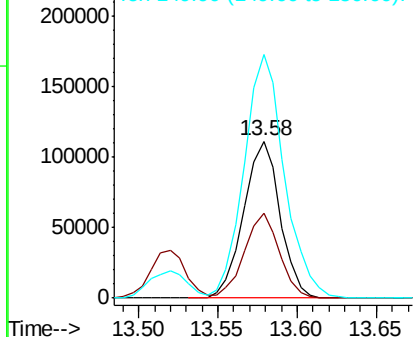


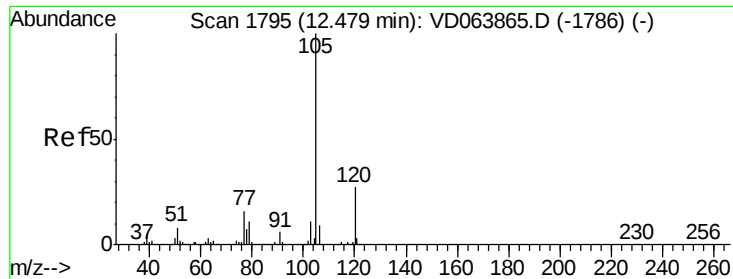
Abundance

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





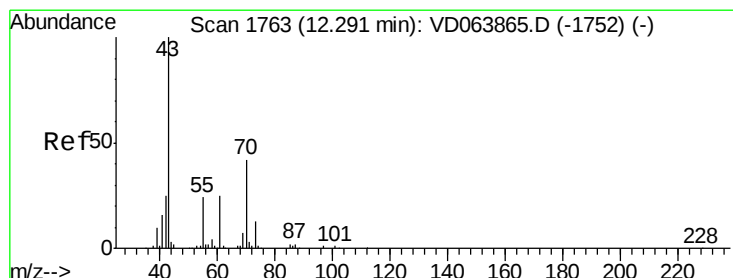
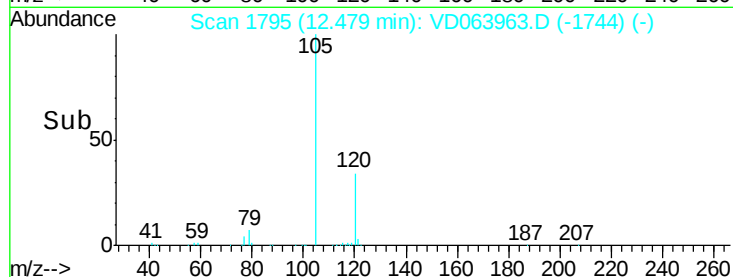
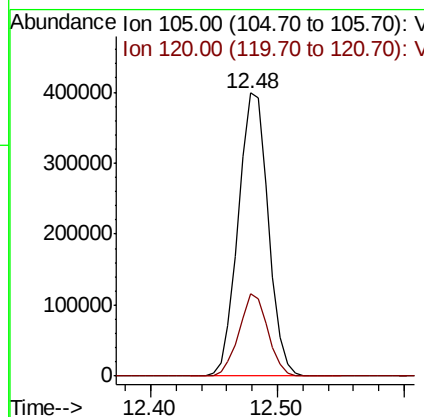
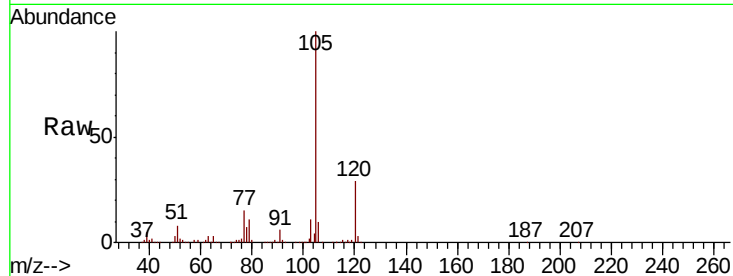
#73
Isopropylbenzene
Concen: 54.977 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.3	39.8

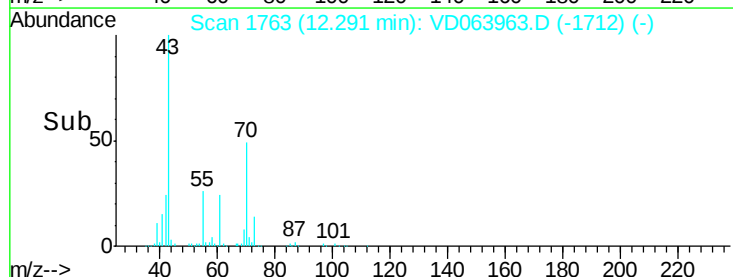
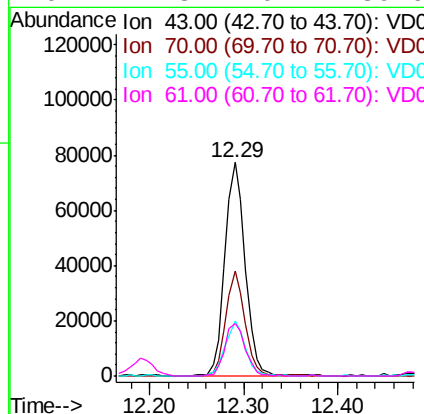
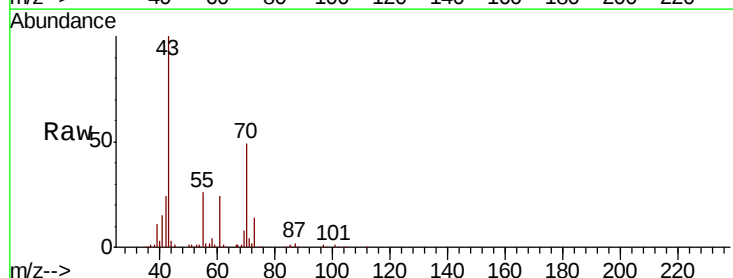
Manual Integrations
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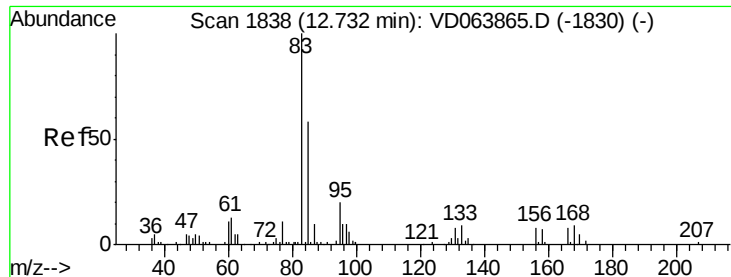
MMDadoda
10/18/2019 12:41:39 AM



#74
N-ethyl acetate
Concen: 45.594 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.0	35.8	53.6
55	25.3	19.4	29.0
61	24.8	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.151 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

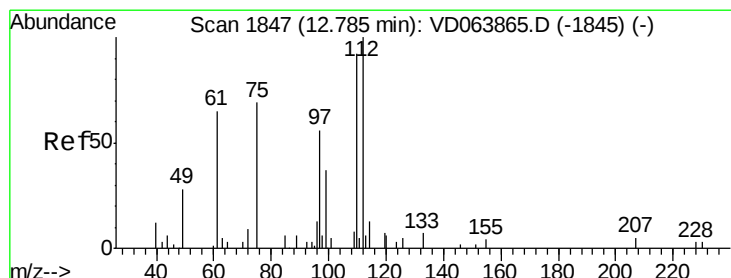
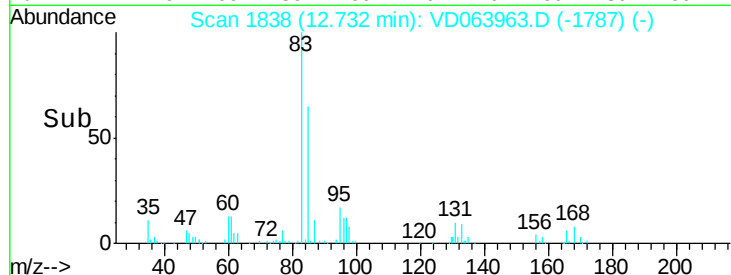
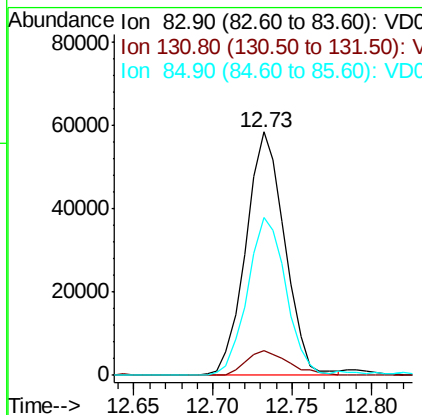
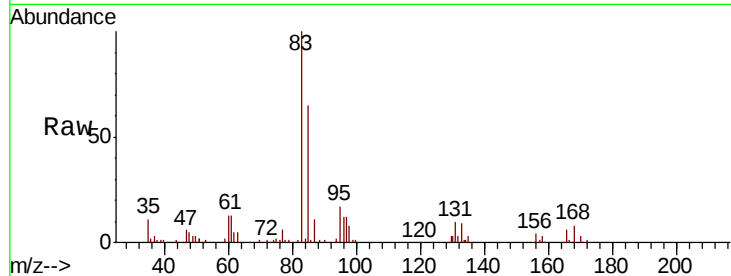
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	99701
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	64.2	32.3	96.8

Manual Integrations
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10/18/2019 12:41:39 AM



#76

1,2,3-Trichloropropane

Concen: 54.953 ug/l m

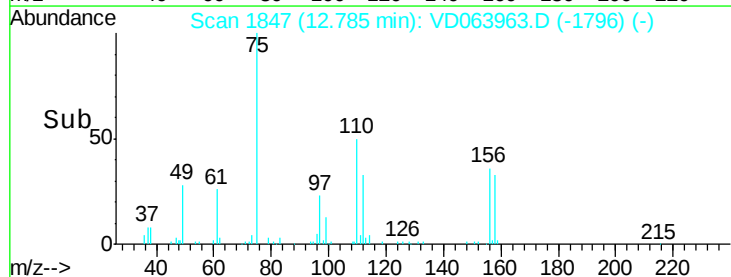
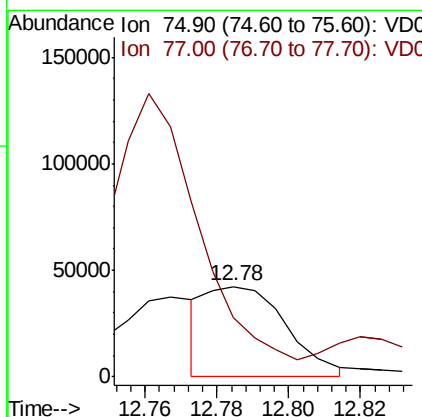
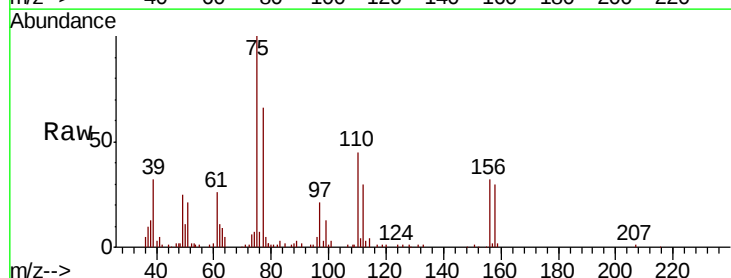
RT: 12.78 min Scan# 1847

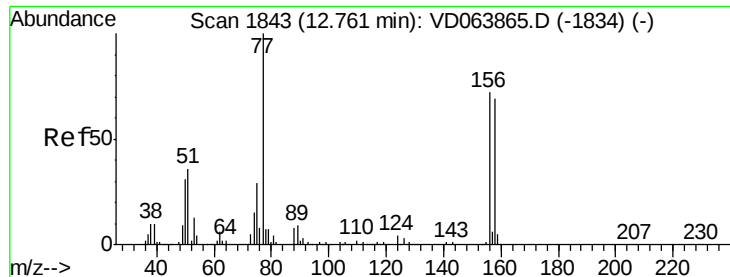
Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Tgt Ion:	75	Resp:	65148
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





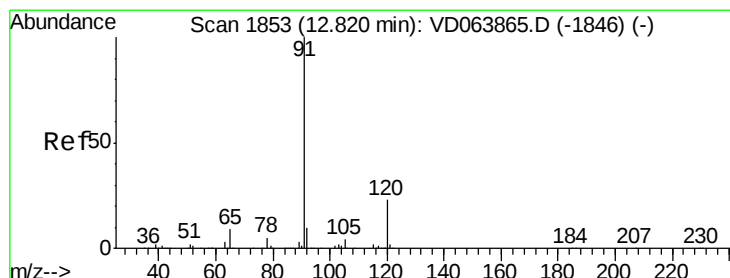
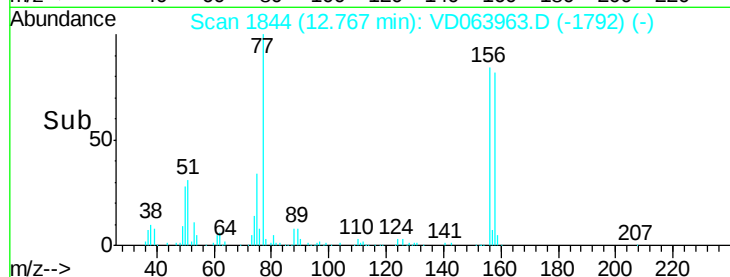
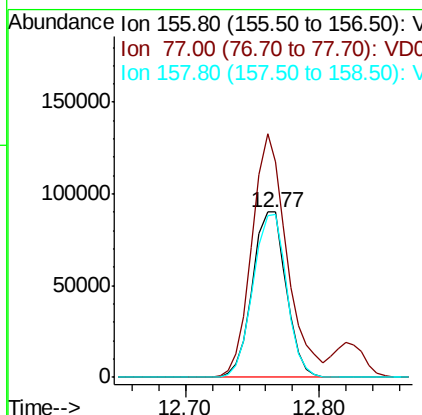
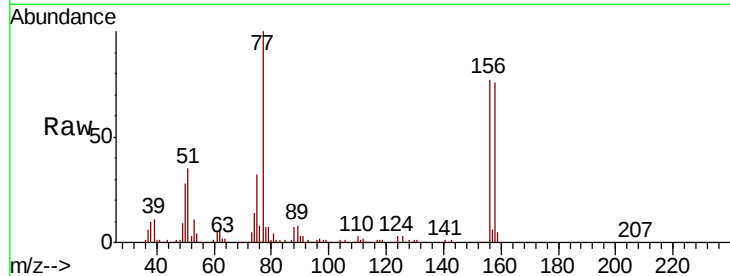
#77
Bromobenzene
Concen: 53.083 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.6	80.3	241.0
158	98.3	47.4	142.2

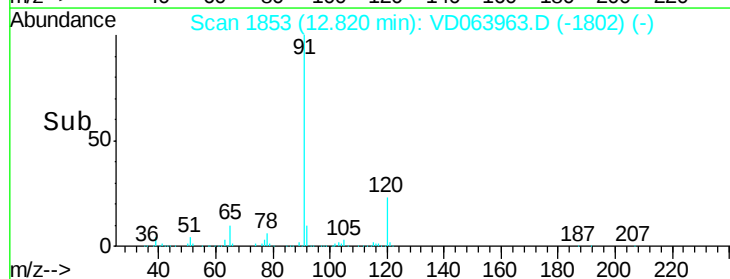
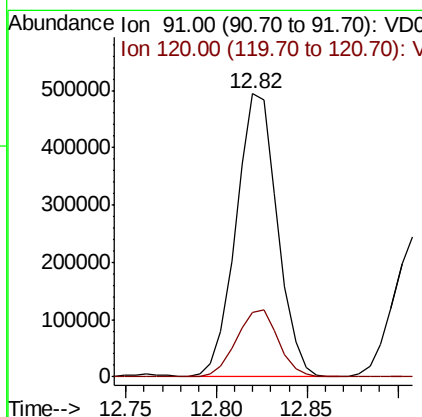
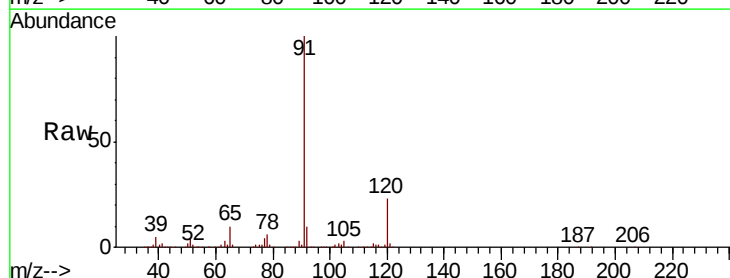
Manual Integrations
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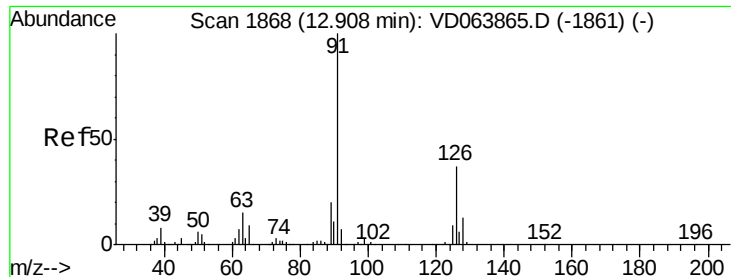
MMDadoda
10/18/2019 12:41:39 AM



#78
n-propylbenzene
Concen: 56.015 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 53.536 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 412305

Ion Ratio Lower Upper

91 100

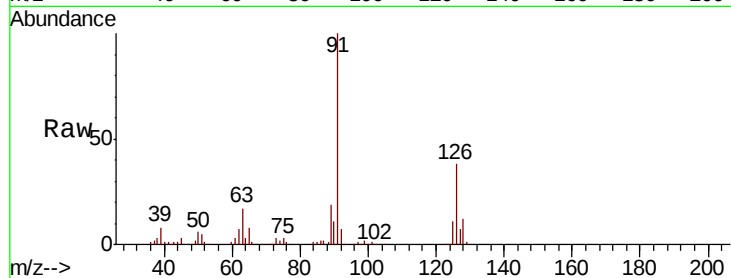
126 36.9 18.4 55.2

Manual Integrations

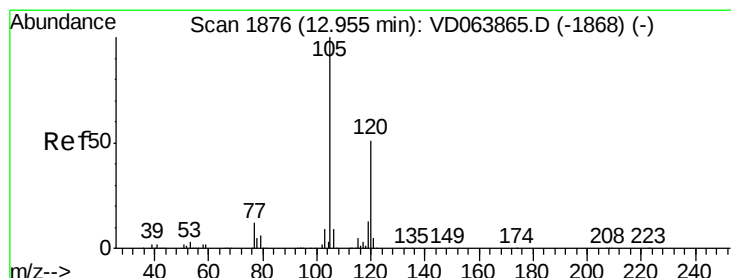
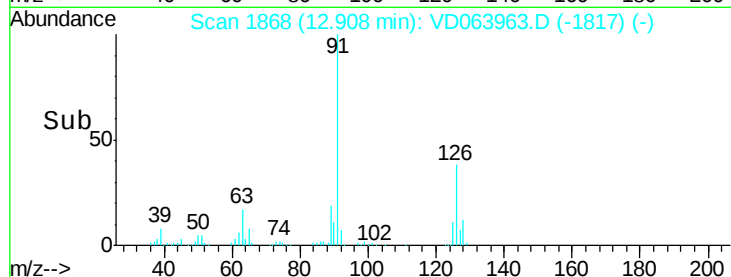
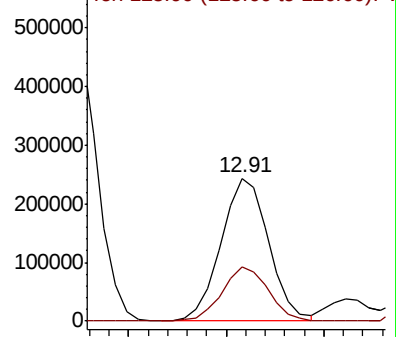
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Abundance Ion 91.00 (90.70 to 91.70): VD063963.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.461 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063963.D

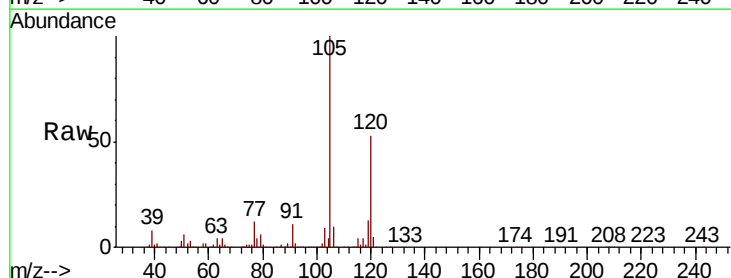
Acq: 15 Oct 2019 10:48

Tgt Ion:105 Resp: 550573

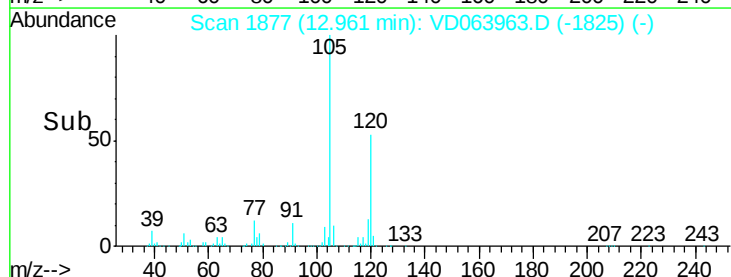
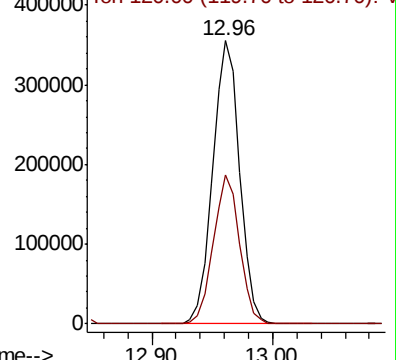
Ion Ratio Lower Upper

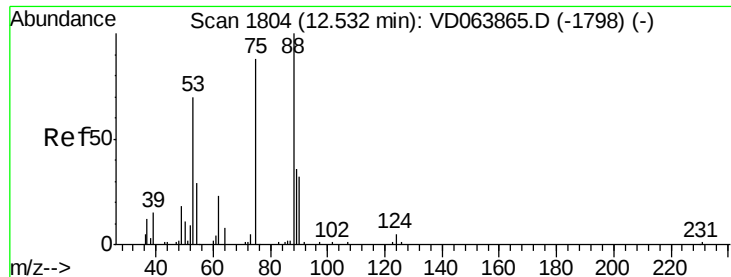
105 100

120 51.4 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063963.D (-1825) (-)





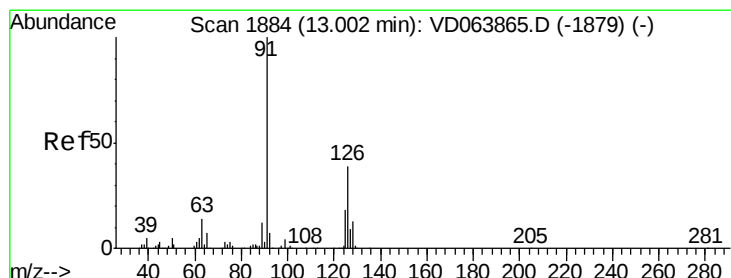
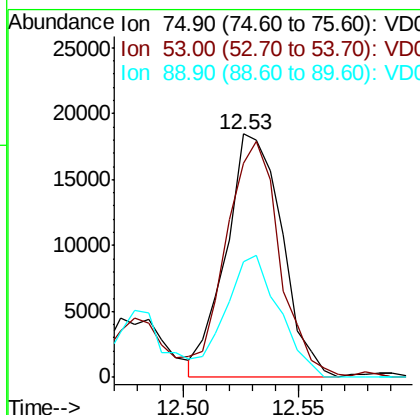
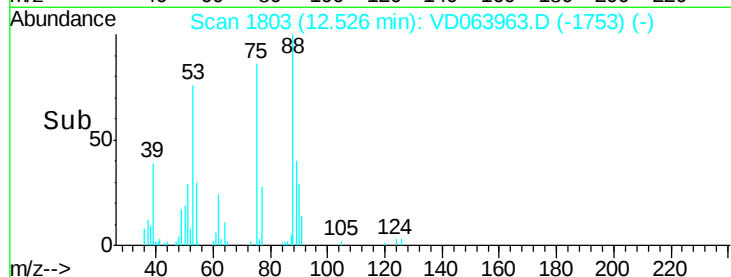
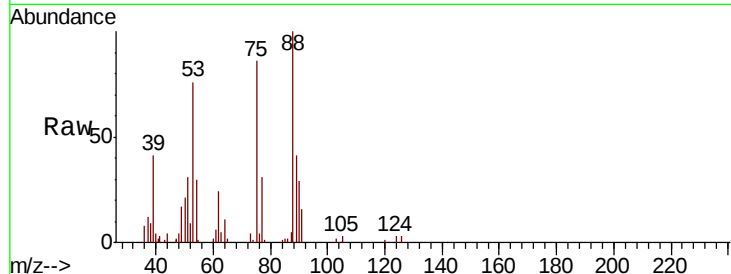
#81
trans-1,4-Dichloro-2-butene
Concen: 46.502 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	75.0	112.6
89	48.4	38.2	57.4

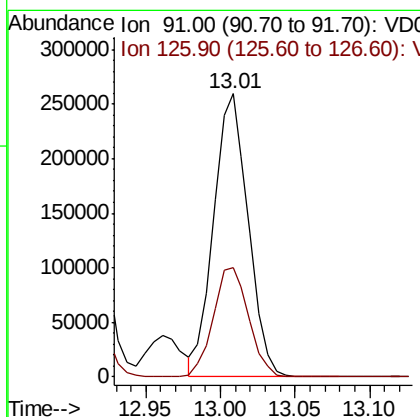
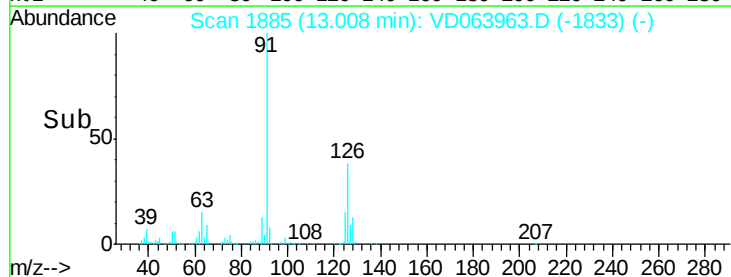
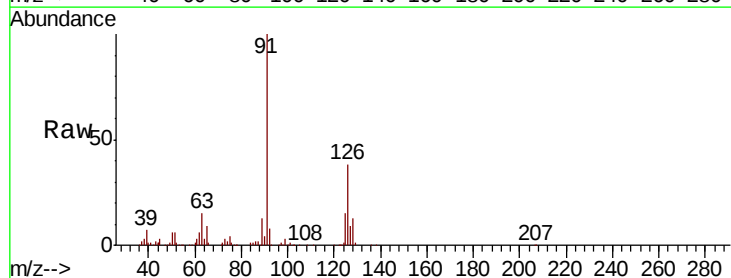
Manual Integrations
APPROVED

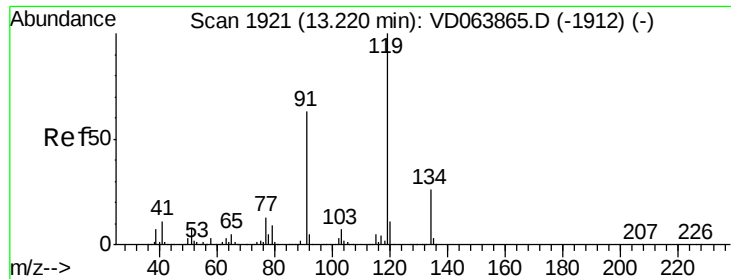
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#82
4-Chlorotoluene
Concen: 51.308 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.7	18.6	55.8





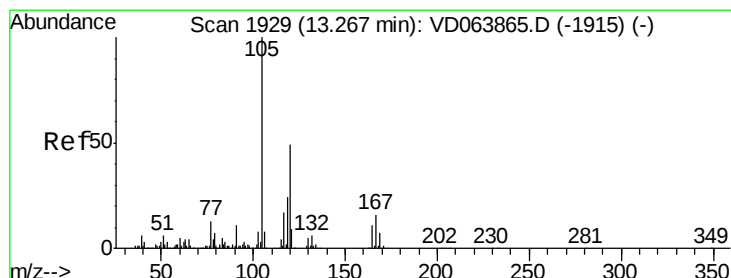
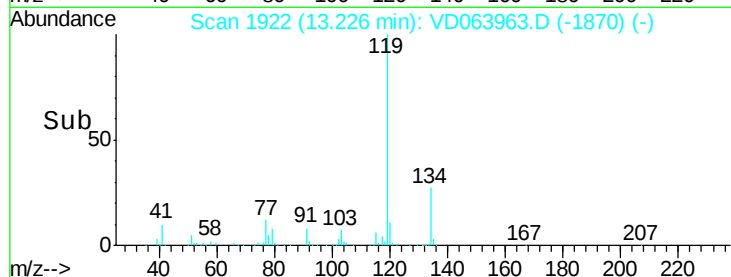
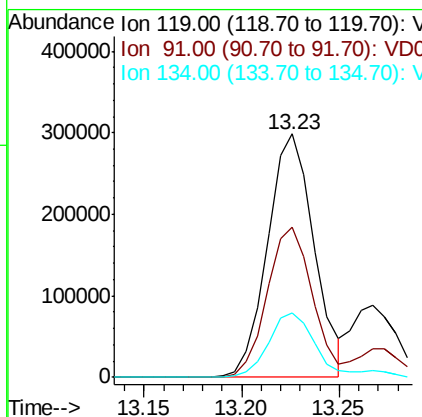
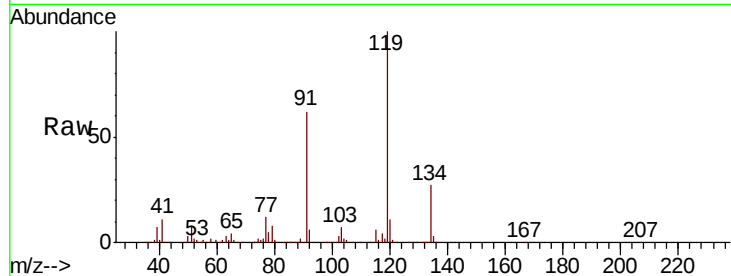
#83
tert-Butylbenzene
Concen: 55.722 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.0	90.0
134	26.0	13.0	38.9

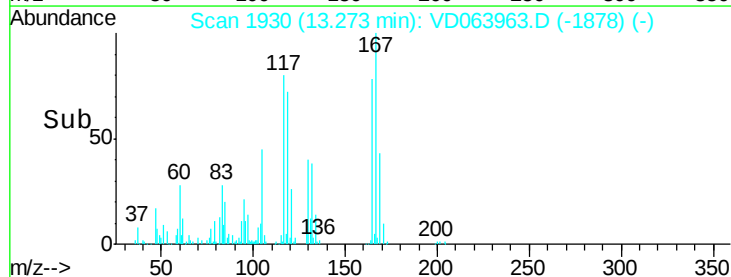
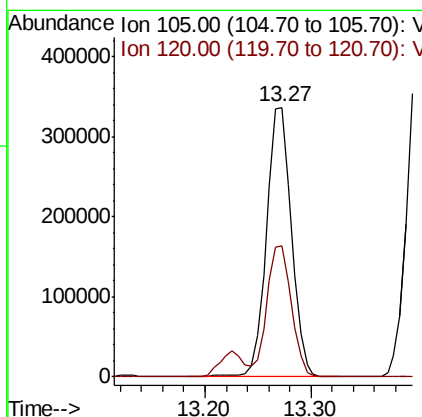
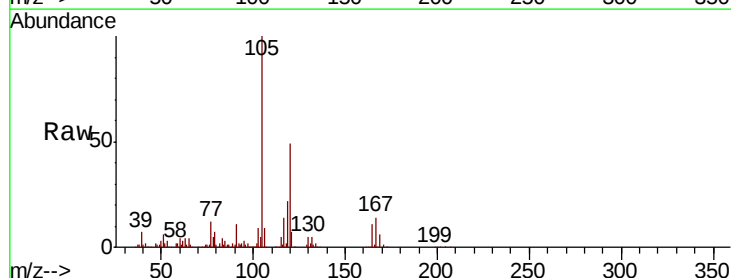
Manual Integrations
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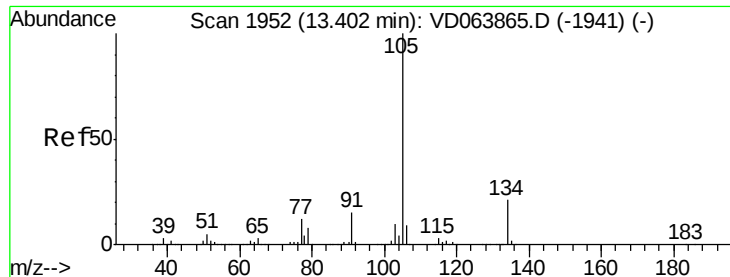
MMDadoda
10/18/2019 12:41:39 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.777 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.5





#85

sec-Butylbenzene

Concen: 57.456 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 685523

Ion Ratio Lower Upper

105 100

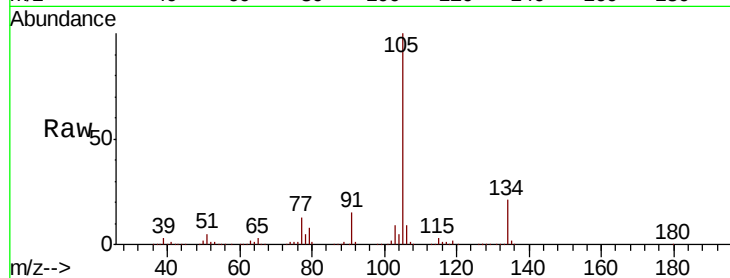
134 21.4 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

400000

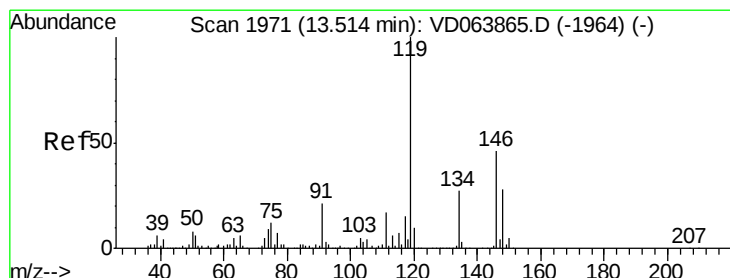
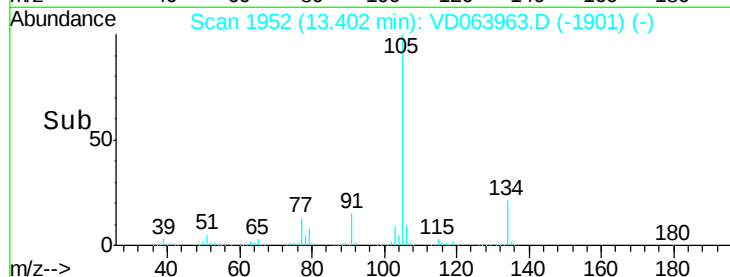
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 58.447 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

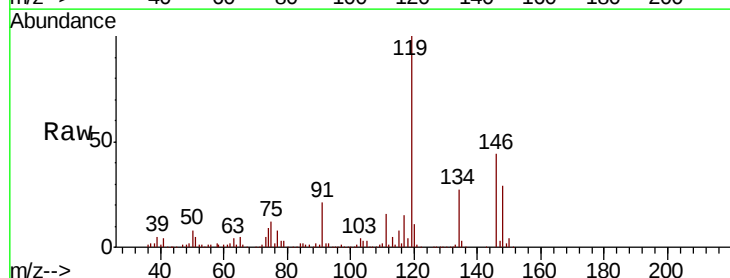
Tgt Ion:119 Resp: 659884

Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.6

91 21.8 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

600000

500000

400000

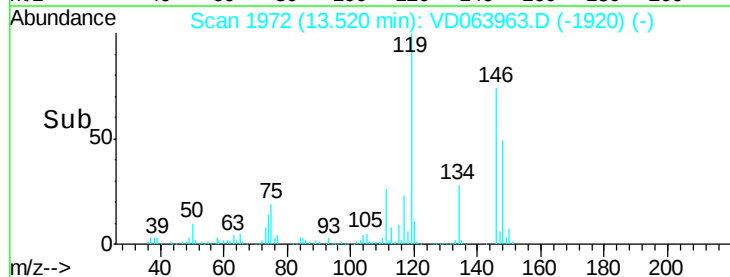
300000

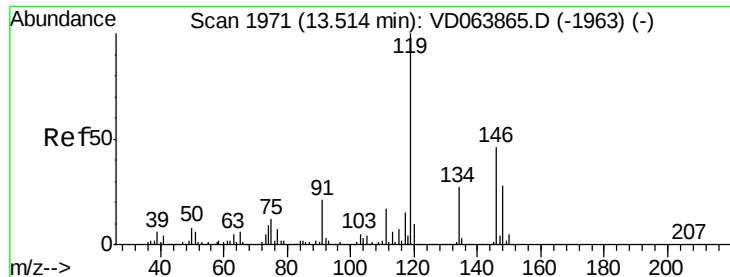
200000

100000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 54.813 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

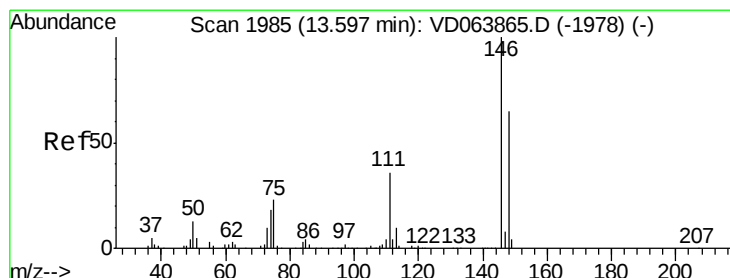
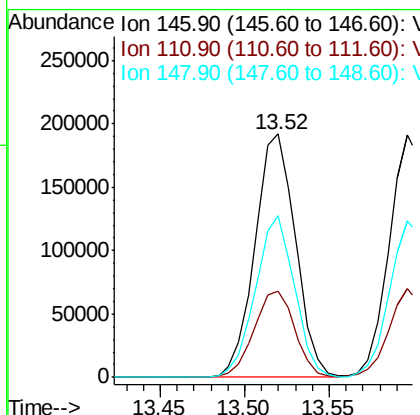
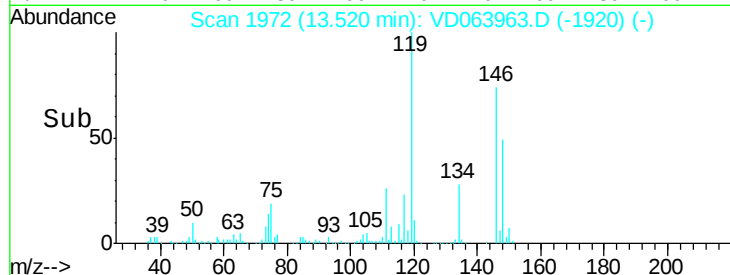
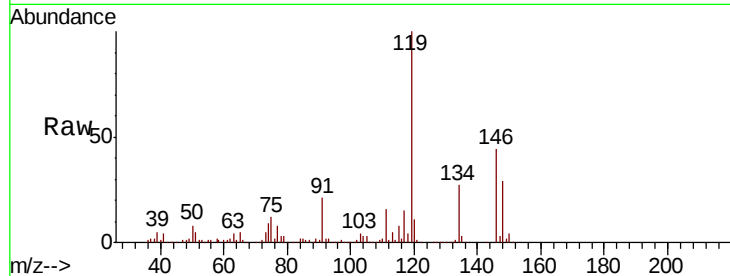
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	321079
Ion Ratio	Lower	Upper	
146	100		
111	35.6	18.3	54.9
148	63.9	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.517 ug/l

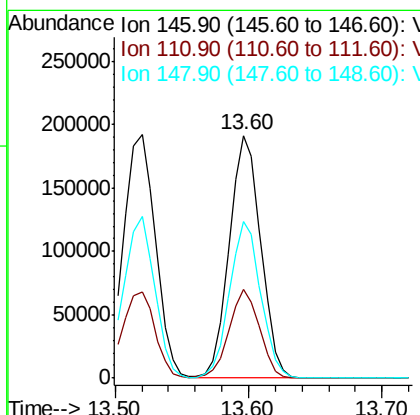
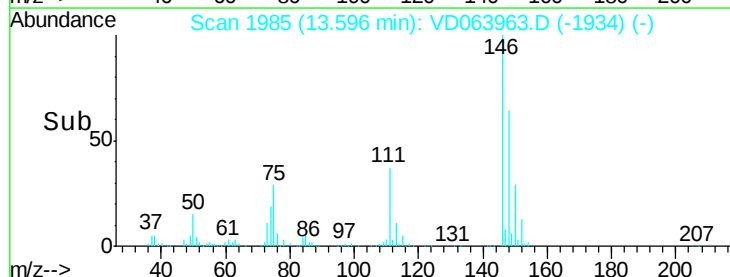
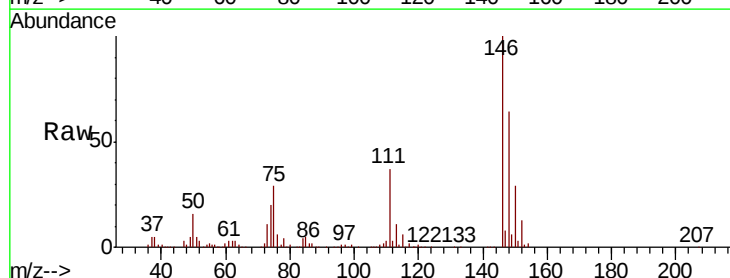
RT: 13.60 min Scan# 1985

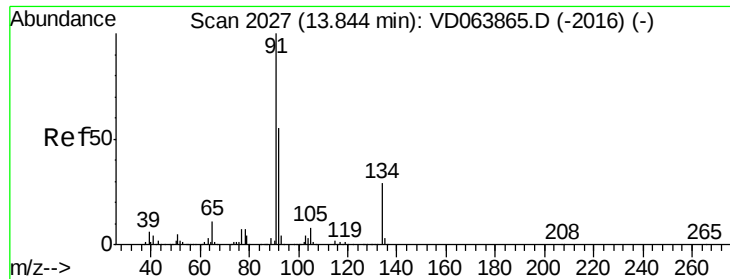
Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Tgt Ion:	146	Resp:	315049
Ion Ratio	Lower	Upper	
146	100		
111	35.4	18.6	56.0
148	63.7	32.6	98.0





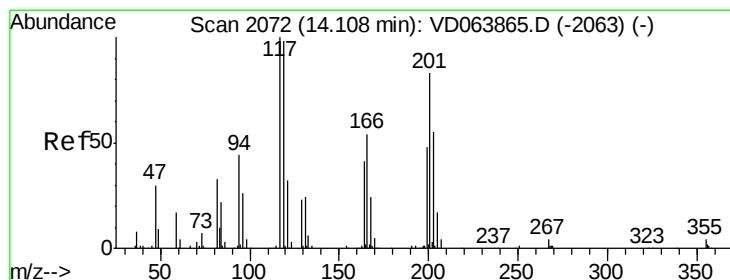
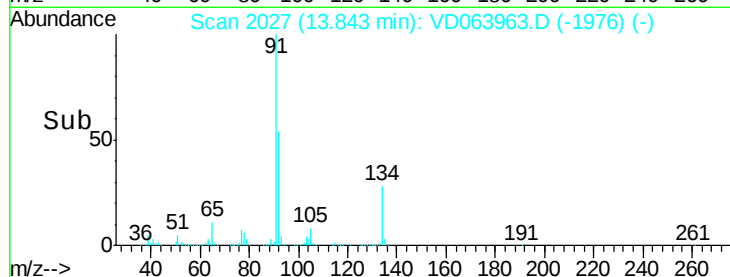
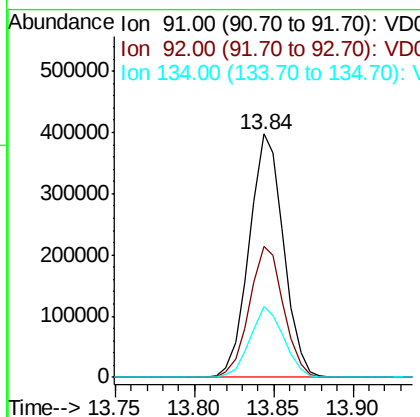
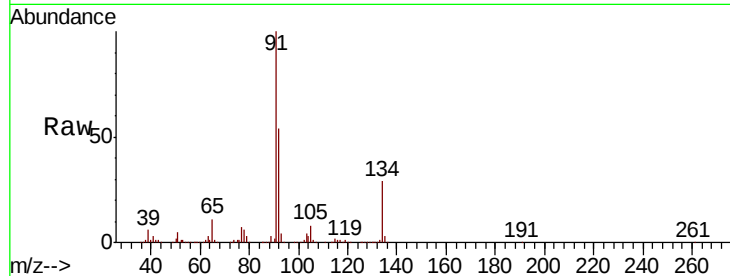
#89
n-Butylbenzene
Concen: 56.852 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.3
134	28.4	14.4	43.0

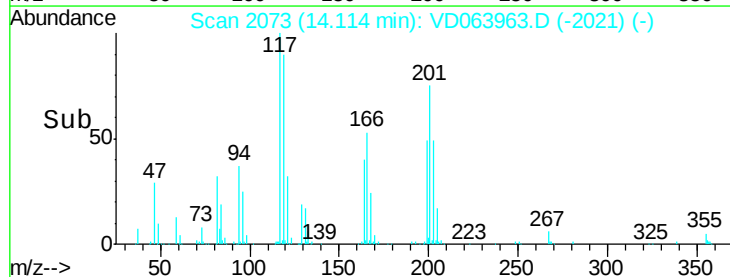
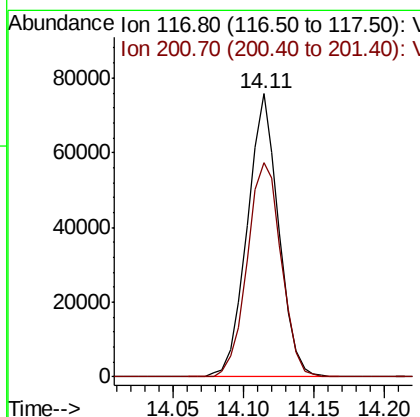
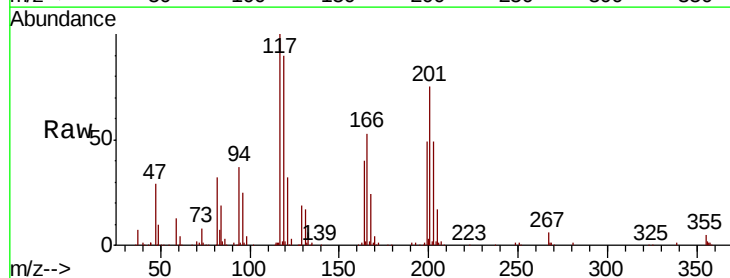
Manual Integrations
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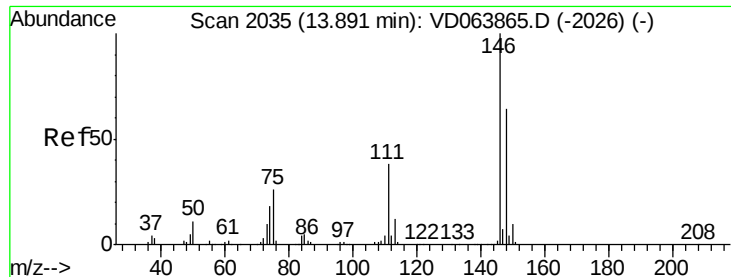
MMDadoda
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#90
Hexachloroethane
Concen: 58.152 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 54.382 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Instrument :

MSVOA_D

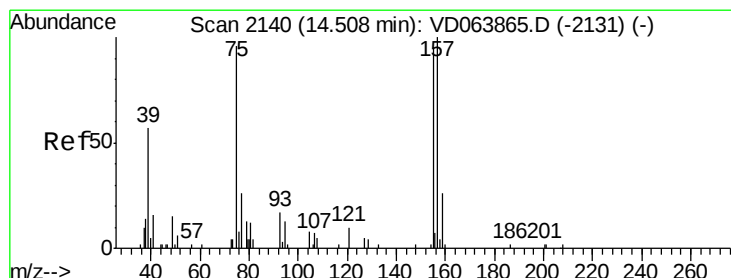
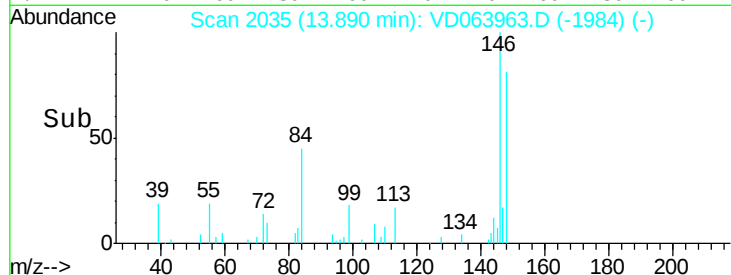
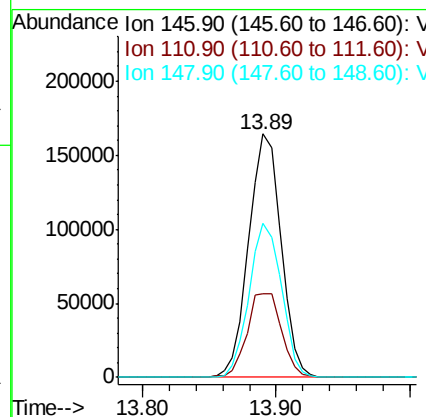
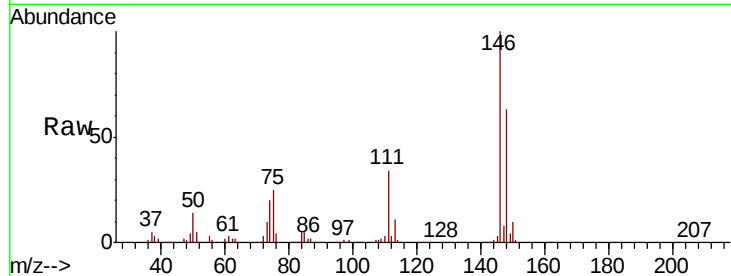
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	274522
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.6	55.6
148	63.4	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.631 ug/l

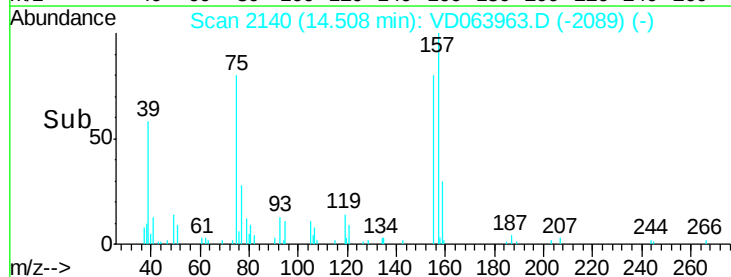
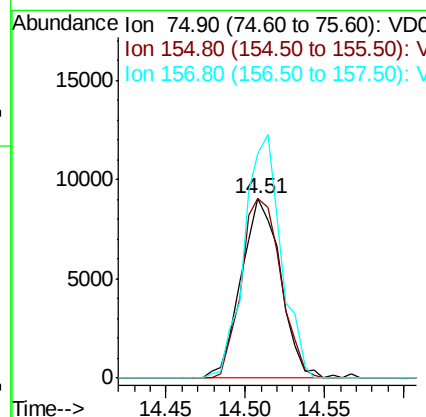
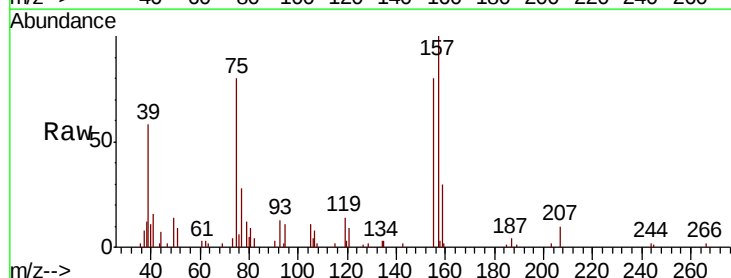
RT: 14.51 min Scan# 2140

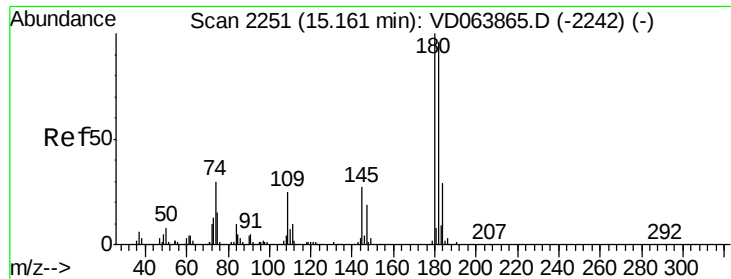
Delta R.T. 0.00 min

Lab File: VD063963.D

Acq: 15 Oct 2019 10:48

Tgt Ion:	75	Resp:	15667
Ion Ratio	Lower	Upper	
75	100		
155	99.9	43.9	131.6
157	125.3	56.0	167.9





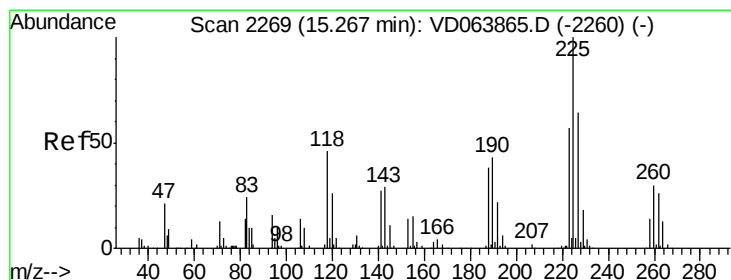
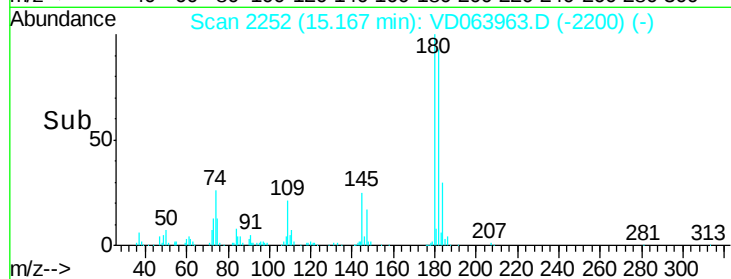
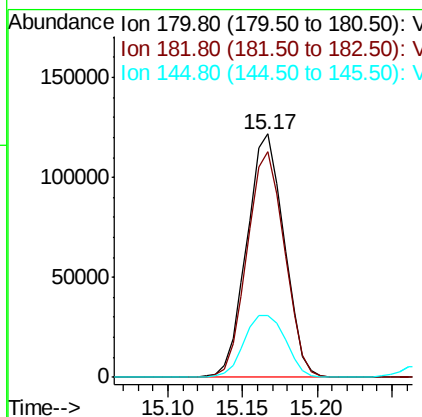
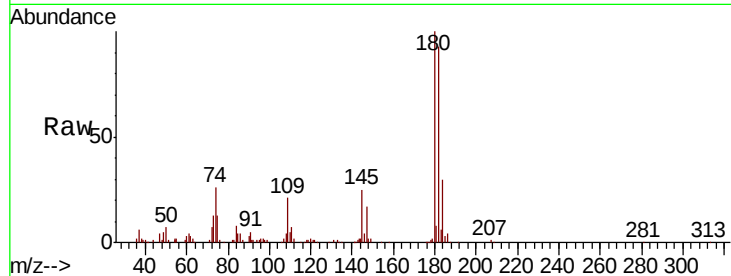
#93
 1,2,4-Trichlorobenzene
 Concen: 54.184 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.4	142.3
145	28.4	13.9	41.7

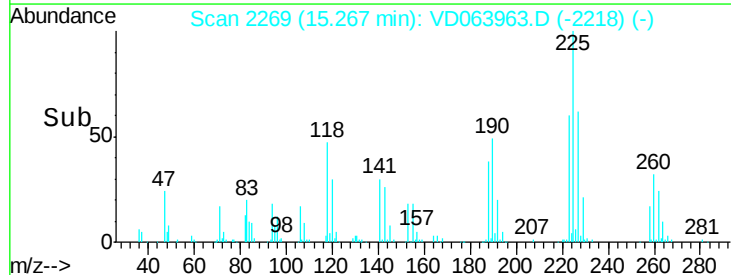
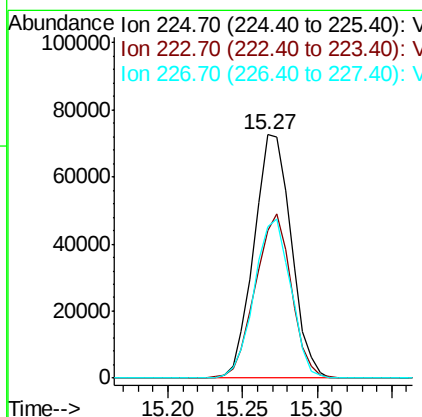
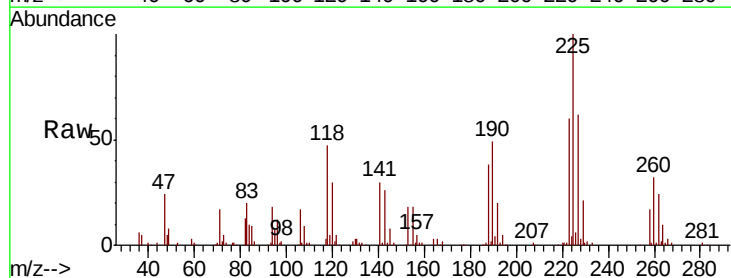
Manual Integrations
 APPROVED

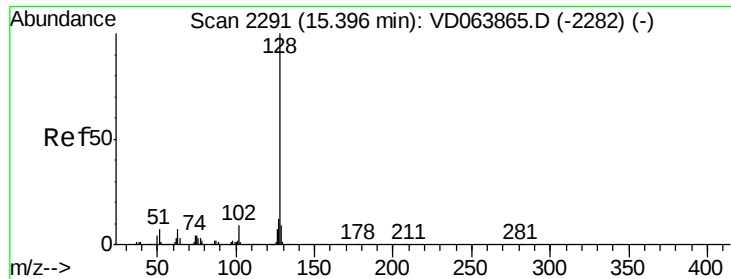
MMDadoda
 10/18/2019 12:41:39 AM



#94
 Hexachlorobutadiene
 Concen: 58.349 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063963.D
 Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	29.5	88.6
227	64.1	30.8	92.4





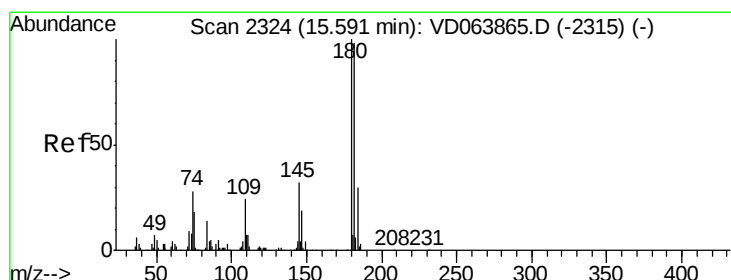
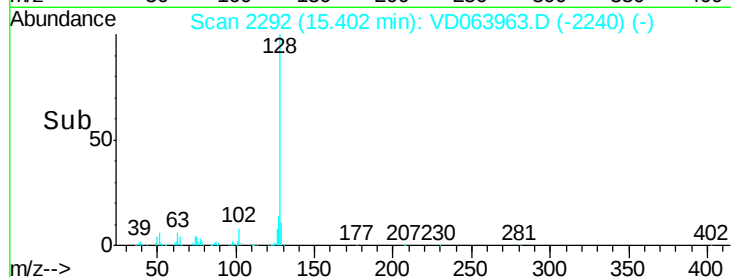
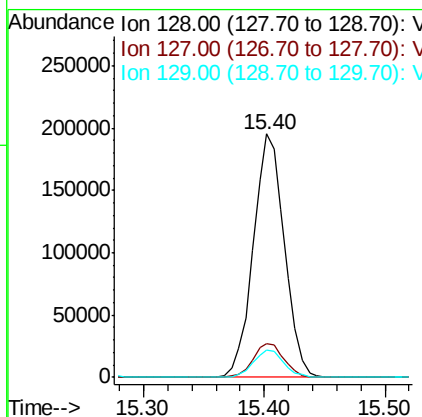
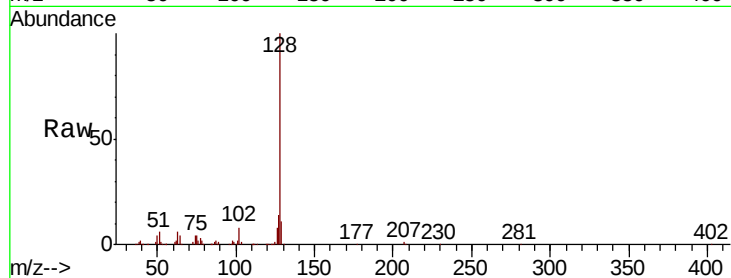
#95
Naphthalene
Concen: 53.532 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:41:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.254 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063963.D
Acq: 15 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.0	141.0
145	31.8	15.3	45.9

