

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063865.D
 Acq On : 02 Oct 2019 17:44
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:24 PM

Quant Time: Oct 03 03:44:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	204569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	331550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	330483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99331	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.91	113	99577	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	10.34	98	406134	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.63	95	143824	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64371	45.082	ug/l	100
3) Chloromethane	2.21	50	205375	47.574	ug/l	100
4) Vinyl Chloride	2.34	62	224850	50.909	ug/l	100
5) Bromomethane	2.76	94	143047	54.781	ug/l	100
6) Chloroethane	2.92	64	145431	47.948	ug/l	100
7) Trichlorofluoromethane	3.27	101	294818	49.946	ug/l	100
8) Diethyl Ether	3.71	74	48600	49.758	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	79327	45.979	ug/l	100
10) Methyl Iodide	4.29	142	117040	55.717	ug/l	100
11) Tert butyl alcohol	5.26	59	34318	225.299	ug/l	100
12) 1,1-Dichloroethene	4.06	96	80435	46.018	ug/l	100
13) Acrolein	3.93	56	44888	245.243	ug/l	100
14) Allyl chloride	4.71	41	136794	48.990	ug/l	100
15) Acrylonitrile	5.43	53	107375	252.129	ug/l	100
16) Acetone	4.17	43	142096	308.795	ug/l	100
17) Carbon Disulfide	4.39	76	297511	49.931	ug/l	100
18) Methyl Acetate	4.72	43	47892	44.760	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	215627	49.004	ug/l	100
20) Methylene Chloride	4.96	84	112296	42.790	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	101922	49.661	ug/l	100
22) Diisopropyl ether	6.37	45	284649	49.692	ug/l	100
23) Vinyl Acetate	6.31	43	860257	252.471	ug/l	100
24) 1,1-Dichloroethane	6.26	63	177269	50.688	ug/l	100
25) 2-Butanone	7.23	43	158924	272.013	ug/l	100
26) 2,2-Dichloropropane	7.21	77	154319	47.706	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	115942	50.604	ug/l	100
28) Bromochloromethane	7.55	49	68286	50.772	ug/l	100
29) Tetrahydrofuran	7.57	42	83818	245.525	ug/l	100
30) Chloroform	7.71	83	185452	49.073	ug/l	100
31) Cyclohexane	7.99	56	152766	44.501	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	161395	47.363	ug/l	100
36) 1,1-Dichloropropene	8.11	75	142505	47.526	ug/l	100
37) Ethyl Acetate	7.30	43	62649	48.949	ug/l	100
38) Carbon Tetrachloride	8.10	117	144712	46.691	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177573	47.693	ug/l	100
40) Benzene	8.35	78	416356	50.081	ug/l	100
41) Methacrylonitrile	7.53	41	27707	38.283	ug/l	100
42) 1,2-Dichloroethane	8.43	62	121381	49.839	ug/l	100
43) Isopropyl Acetate	8.46	43	119033	47.136	ug/l	100
44) Trichloroethene	9.11	130	121605	50.412	ug/l	100
45) 1,2-Dichloropropane	9.39	63	101594	49.395	ug/l	100
46) Dibromomethane	9.47	93	59095	50.815	ug/l	100
47) Bromodichloromethane	9.66	83	149370	50.006	ug/l	100
48) Methyl methacrylate	9.46	41	54749	47.563	ug/l	100
49) 1,4-Dioxane	9.47	88	16664	1011.632	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	311911	243.534	ug/l	100
52) Toluene	10.40	92	287124	50.821	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	150701	50.863	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	168469	50.210	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	82436	50.350	ug/l	100
56) Ethyl methacrylate	10.66	69	105117	50.352	ug/l	100
57) 1,3-Dichloropropane	10.94	76	141803	50.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	228651	245.158	ug/l	100
59) 2-Hexanone	10.98	43	243756	262.437	ug/l	100
60) Dibromochloromethane	11.14	129	108822	50.308	ug/l	100
61) 1,2-Dibromoethane	11.24	107	83558	50.866	ug/l	100
64) Tetrachloroethene	10.87	164	106230	48.170	ug/l	100
65) Chlorobenzene	11.67	112	327549	49.535	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	118697	48.925	ug/l	100
67) Ethyl Benzene	11.74	91	577910	48.630	ug/l	100
68) m/p-Xylenes	11.86	106	455154	99.241	ug/l	100
69) o-Xylene	12.18	106	214096	49.595	ug/l	100
70) Styrene	12.19	104	376983	51.413	ug/l	100
71) Bromoform	12.36	173	67471	50.287	ug/l #	100
73) Isopropylbenzene	12.48	105	577607	47.365	ug/l	100
74) N-amyl acetate	12.29	43	121299	45.296	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	97392	47.720	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	59189m	43.533	ug/l	
77) Bromobenzene	12.76	156	144815	49.145	ug/l	100
78) n-propylbenzene	12.82	91	680367	47.381	ug/l	100
79) 2-Chlorotoluene	12.91	91	372913	48.202	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	487329	47.967	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32232	47.233	ug/l	100
82) 4-Chlorotoluene	13.00	91	397360	47.975	ug/l	100
83) tert-Butylbenzene	13.22	119	430266	48.278	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	496975	48.167	ug/l	100
85) sec-Butylbenzene	13.40	105	585142	47.368	ug/l	100
86) p-Isopropyltoluene	13.51	119	553890	47.865	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	284609	49.287	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	278825	48.379	ug/l	100
89) n-Butylbenzene	13.84	91	508623	46.335	ug/l	100
90) Hexachloroethane	14.11	117	101003	47.207	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	249491	50.156	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17301	49.127	ug/l	100

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ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
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QLast Update : Thu Oct 03 03:24:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	189818	50.390	ug/l	100
94) Hexachlorobutadiene	15.27	225	106025	49.736	ug/l	100
95) Naphthalene	15.40	128	335230	49.397	ug/l	100
96) 1,2,3-Trichlorobenzene	15.59	180	166401	49.792	ug/l	100

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

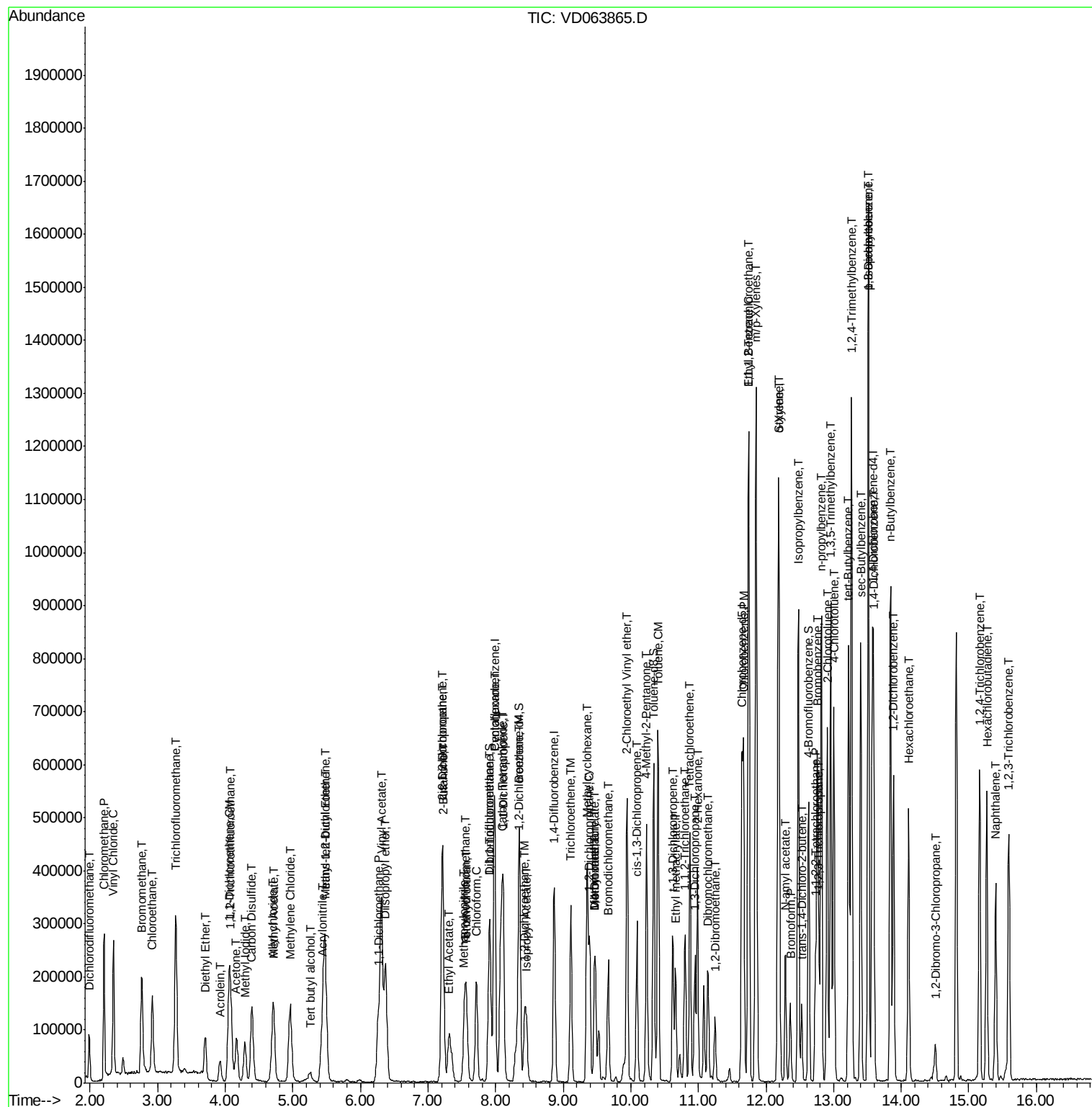
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Operator : VA/SY
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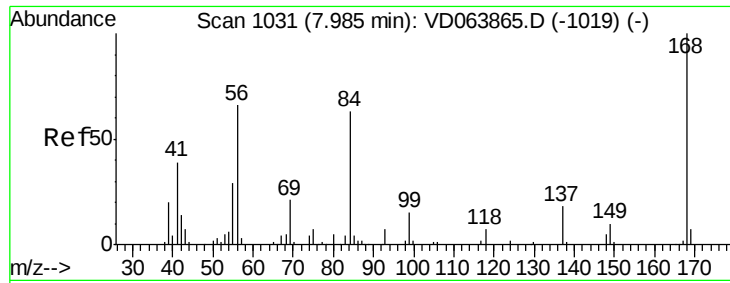
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleID :

VSTDICCC050

Tot Ion:168 Resp: 204569

Ion Ratio Lower Upper

168 100

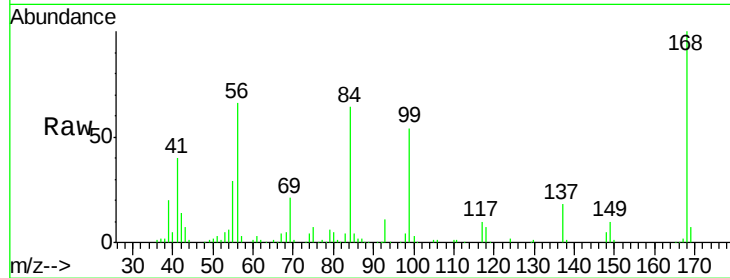
99 53.7 43.0 64.4

Manual Integrations

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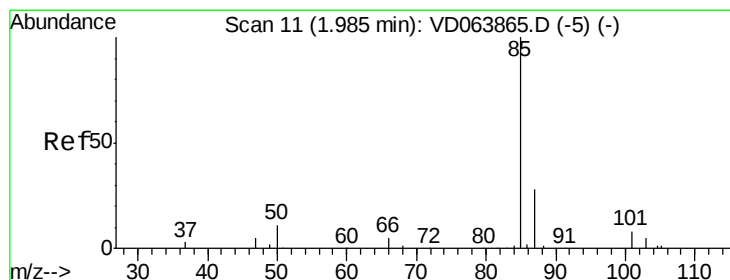
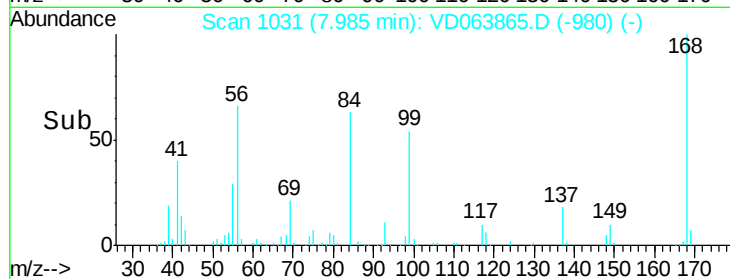
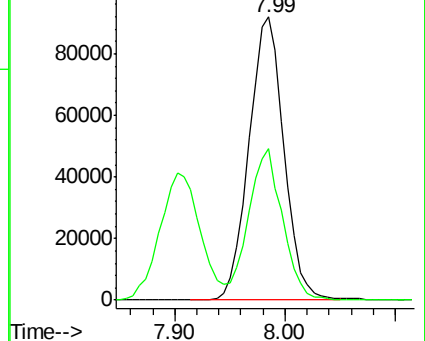
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.082 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD063865.D

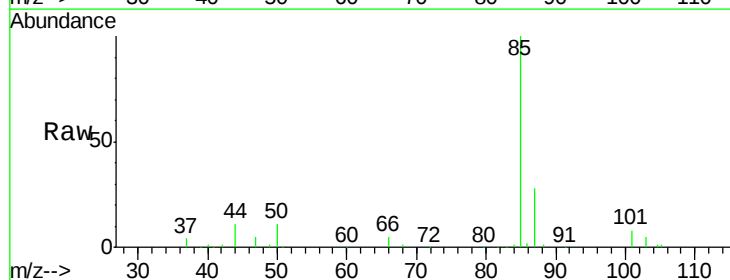
Acq: 02 Oct 2019 17:44

Tgt Ion: 85 Resp: 64371

Ion Ratio Lower Upper

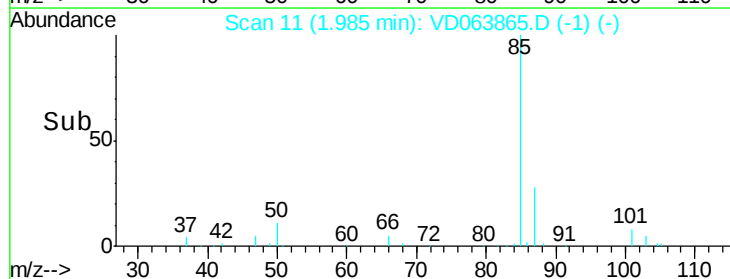
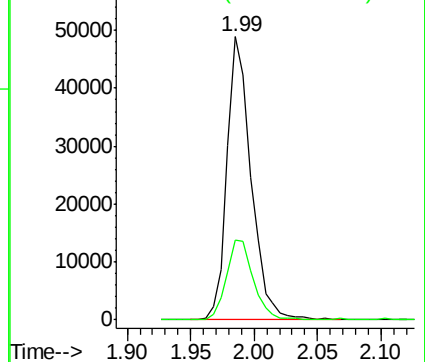
85 100

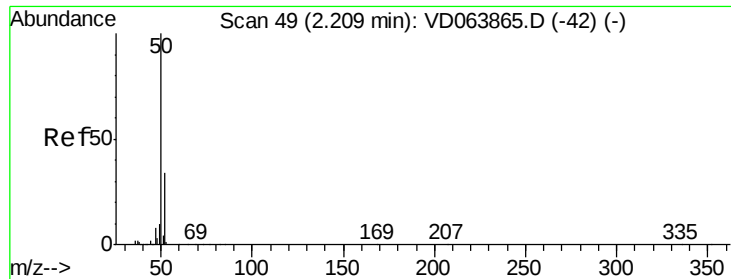
87 28.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





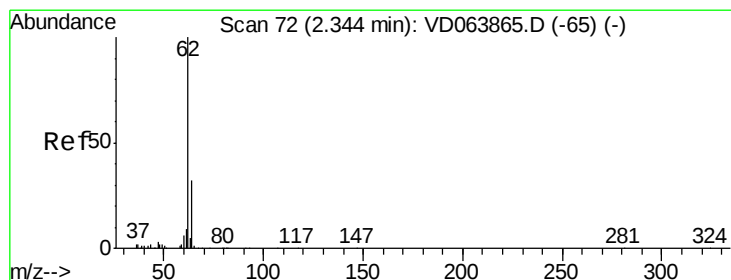
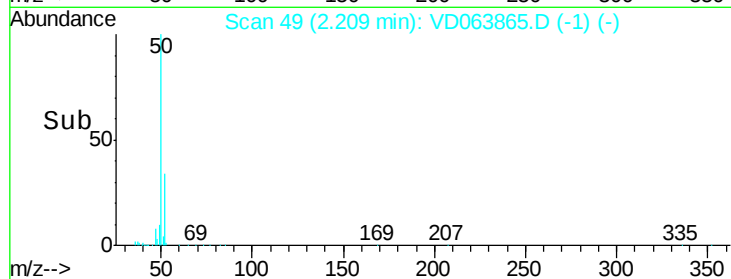
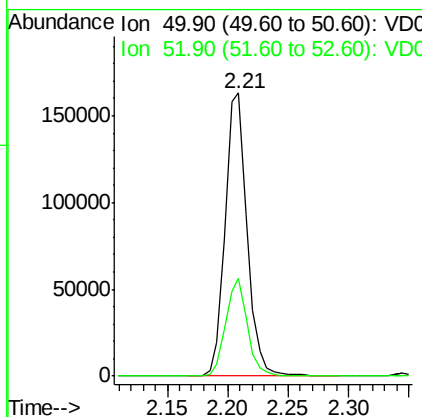
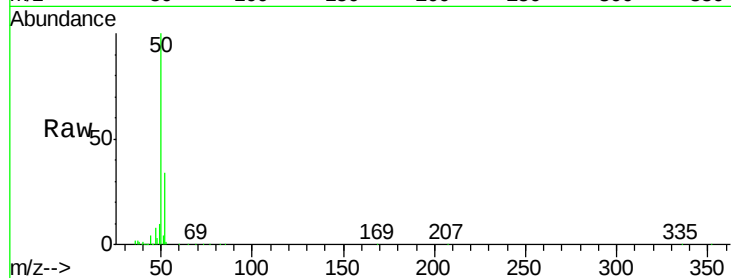
#3
Chloromethane
Concen: 47.574 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	34.4	27.5	41.3

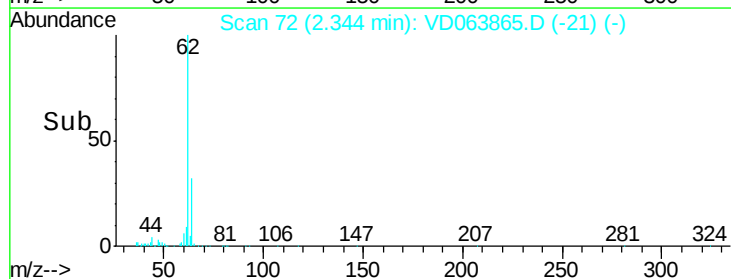
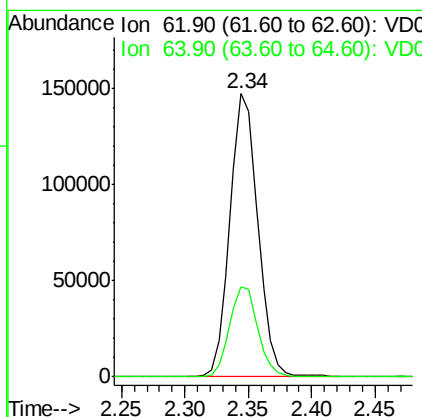
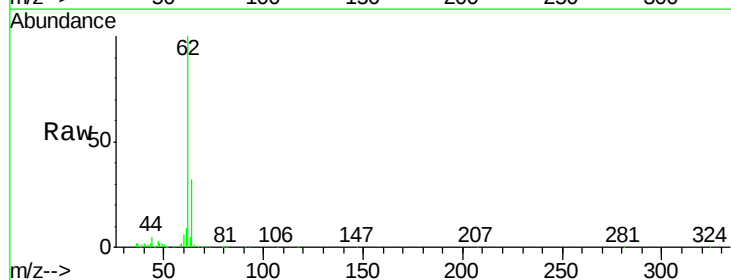
Manual Integrations
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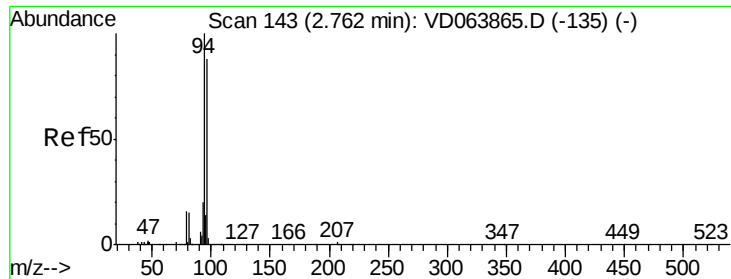
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#4
Vinyl Chloride
Concen: 50.909 ug/l
RT: 2.34 min Scan# 72
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0





#5

Bromomethane

Concen: 54.781 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 143047

Ion Ratio Lower Upper

94 100

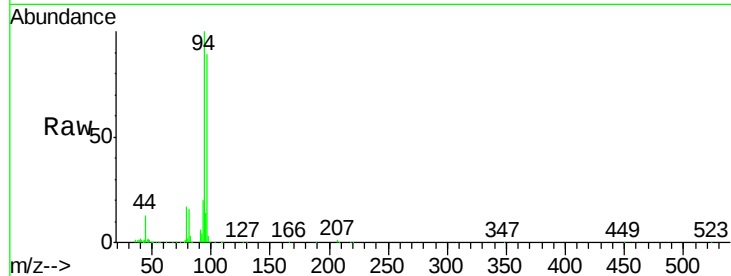
96 88.5 70.8 106.2

Manual Integrations

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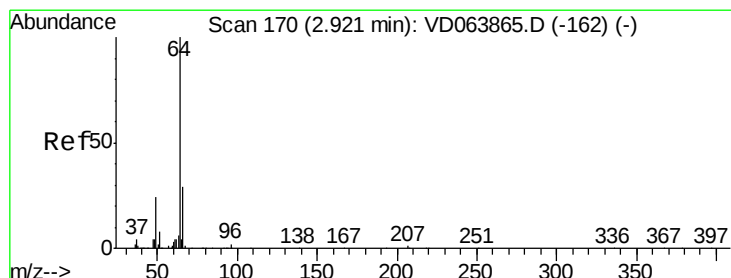
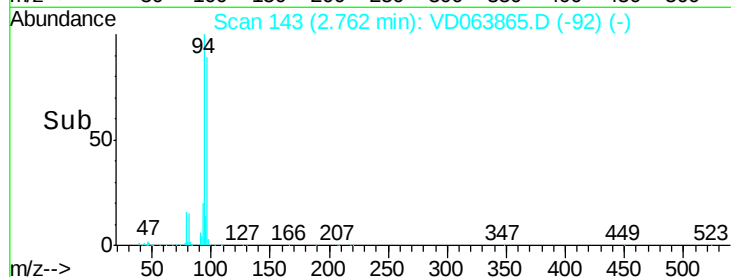
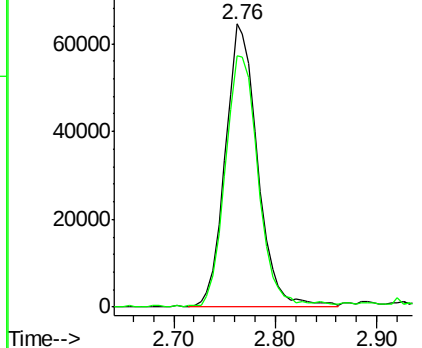
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.948 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD063865.D

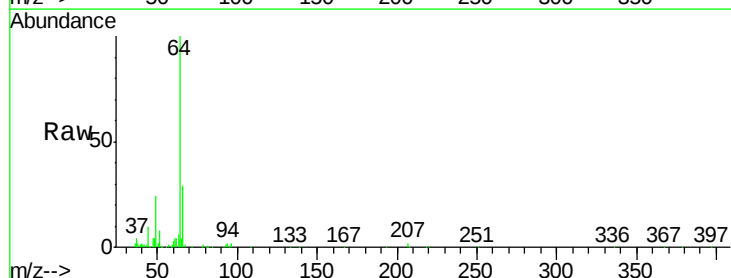
Acq: 02 Oct 2019 17:44

Tgt Ion: 64 Resp: 145431

Ion Ratio Lower Upper

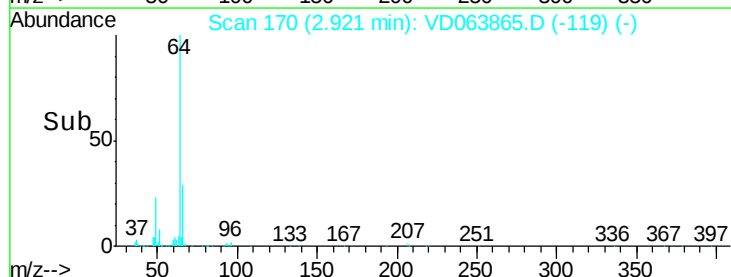
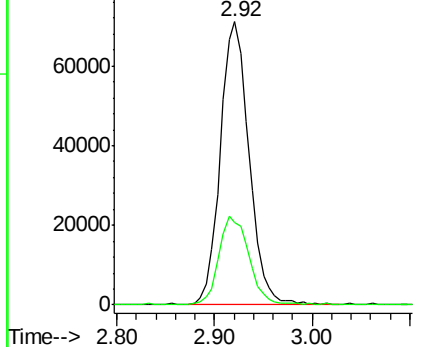
64 100

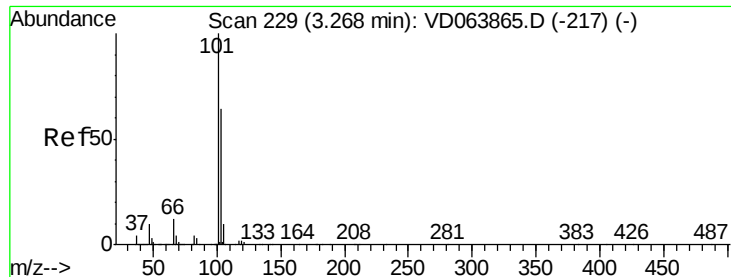
66 28.7 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

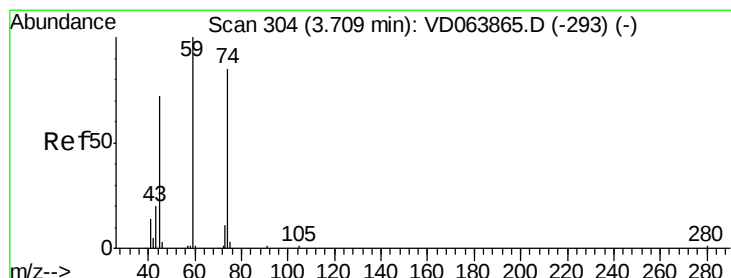
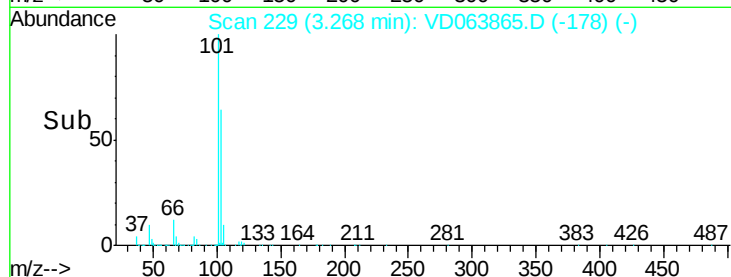
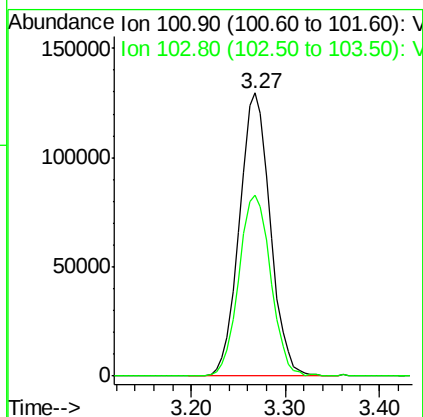
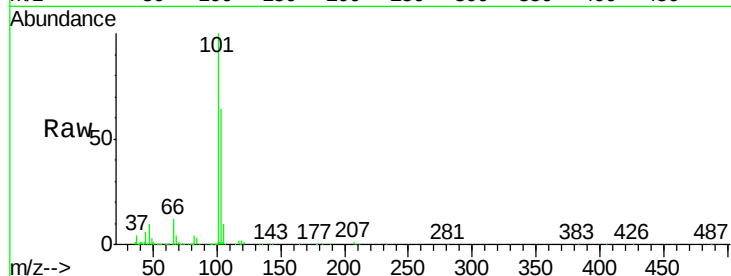
Trichlorofluoromethane
Concen: 49.946 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.1	76.7

Manual Integrations
APPROVED

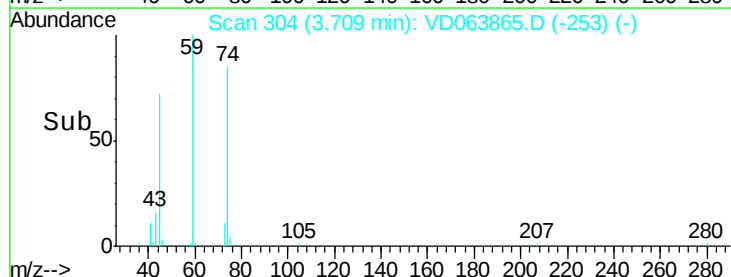
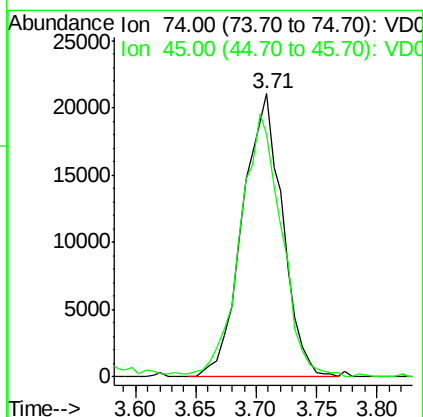
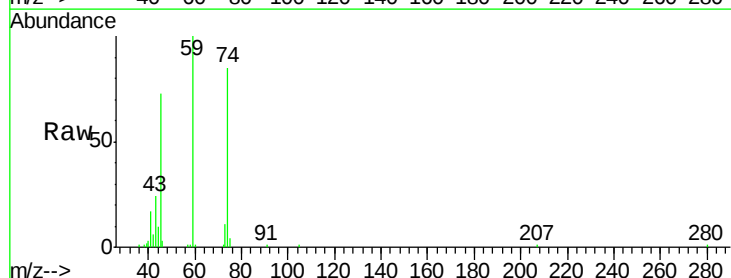
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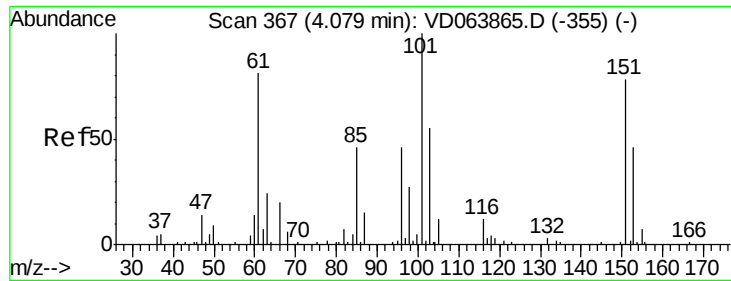


#8

Diethyl Ether
Concen: 49.758 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.979 ug/l

RT: 4.08 min Scan# 367

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

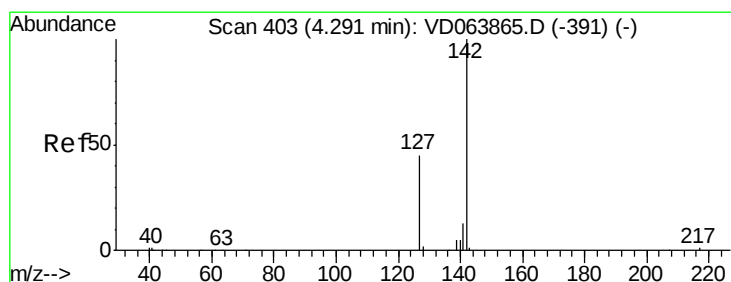
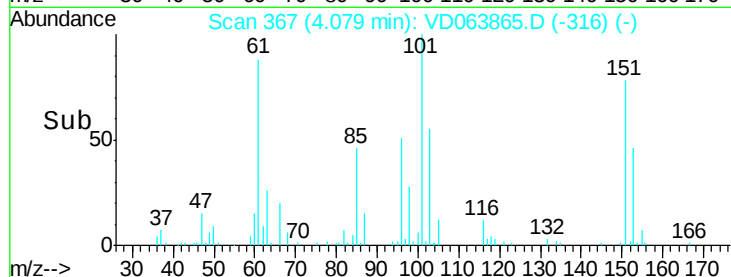
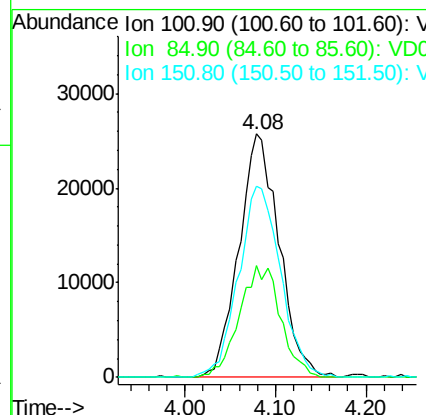
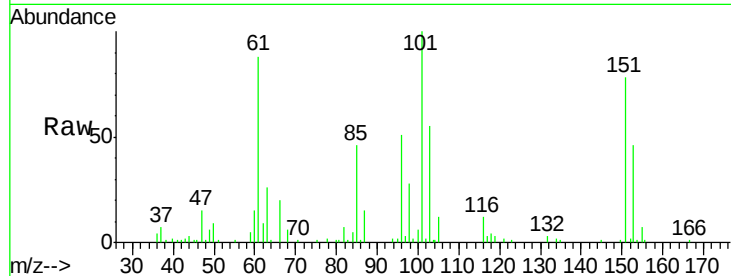
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	79327
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.5	56.3
151	81.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 55.717 ug/l

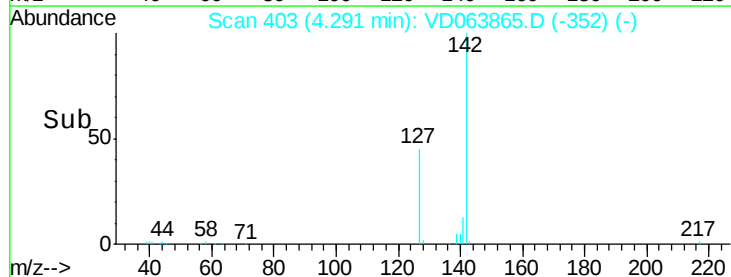
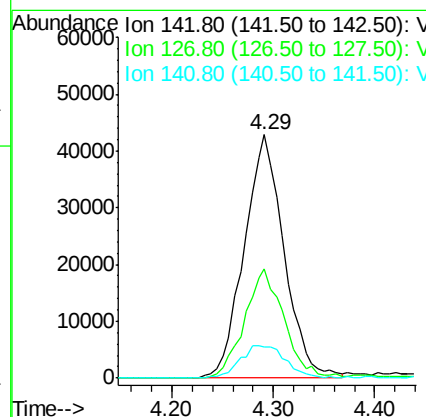
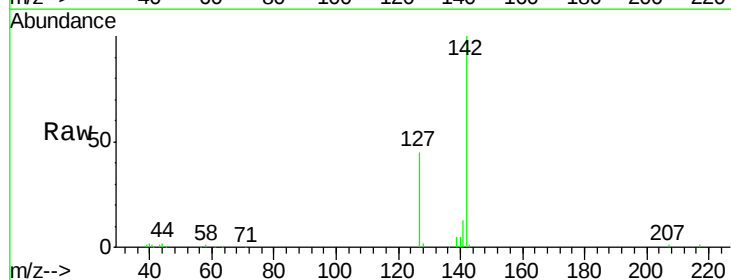
RT: 4.29 min Scan# 403

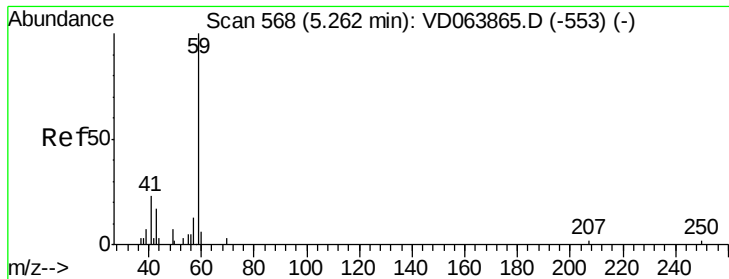
Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Tgt Ion:	142	Resp:	117040
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.3	52.9
141	15.2	12.2	18.2





#11

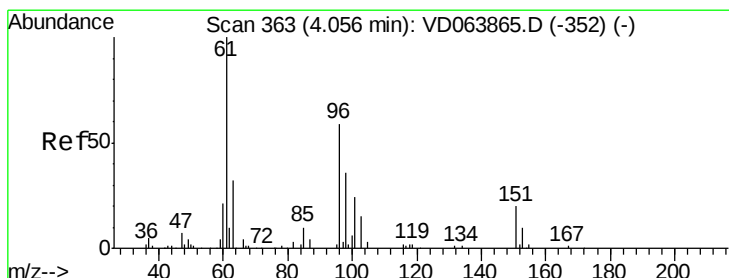
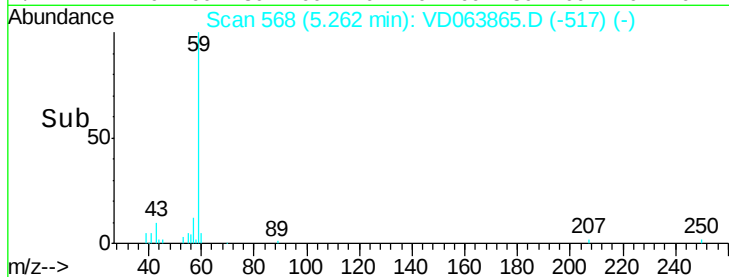
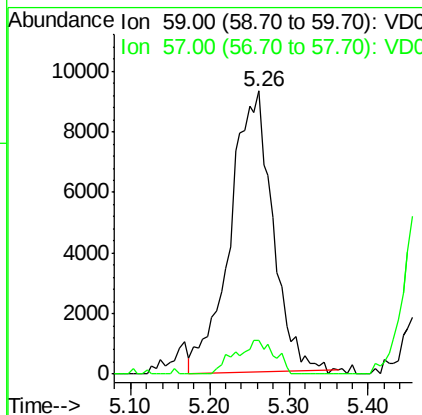
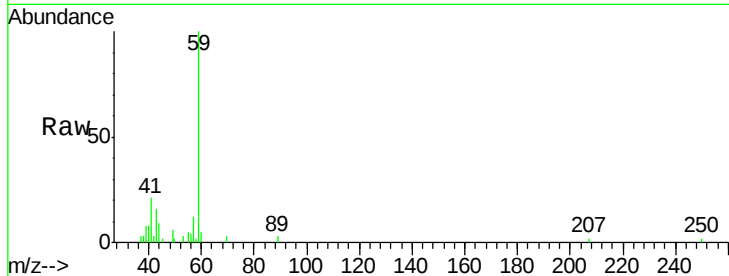
Tert butyl alcohol
Concen: 225.299 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	34318
Ion Ratio	100	Lower	Upper
57	11.0	8.8	13.2

Manual Integrations
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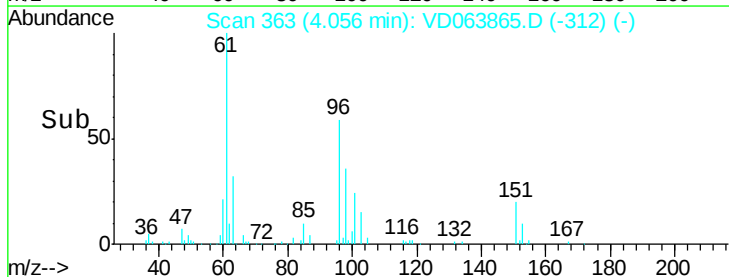
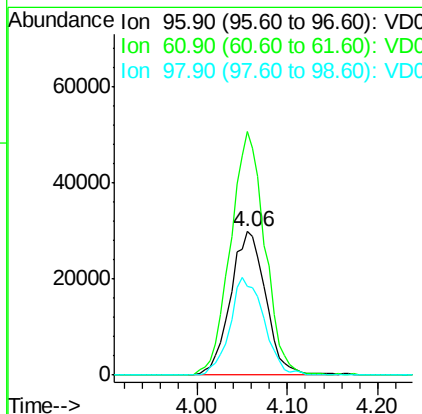
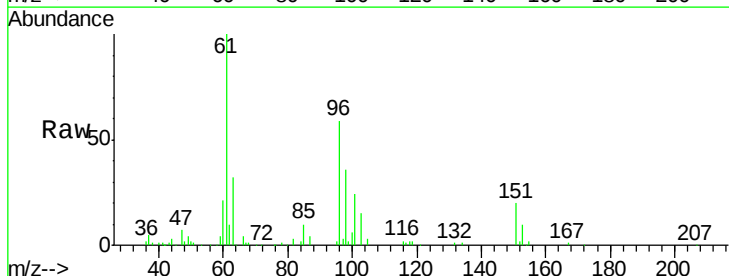
MMDadoda
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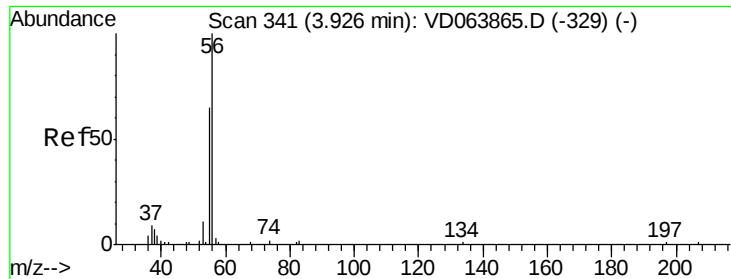


#12

1,1-Dichloroethene
Concen: 46.018 ug/l
RT: 4.06 min Scan# 363
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	96	Resp	80435
Ion Ratio	100	Lower	Upper
61	169.5	135.6	203.4
98	61.5	49.2	73.8





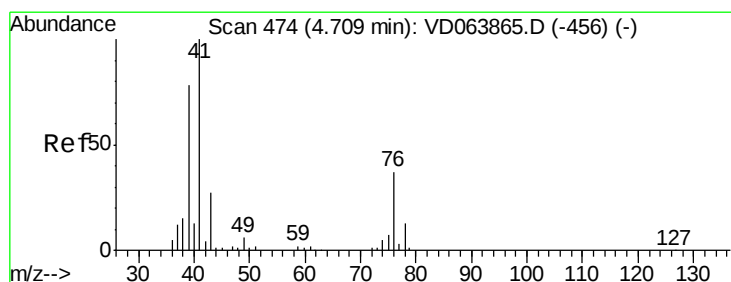
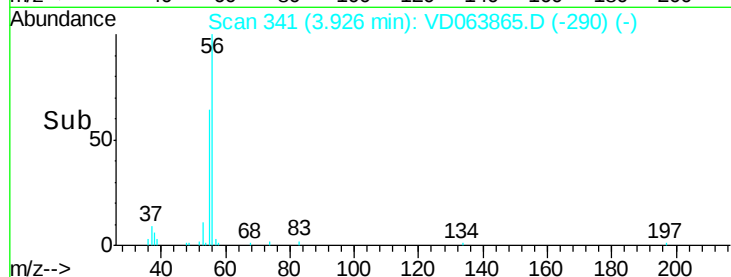
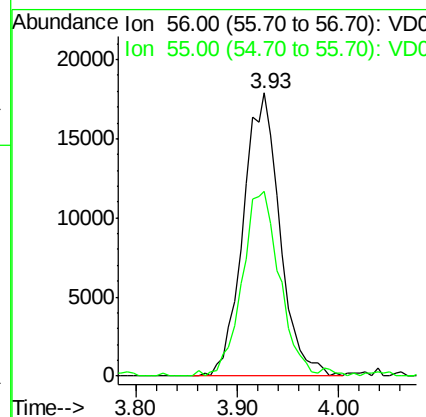
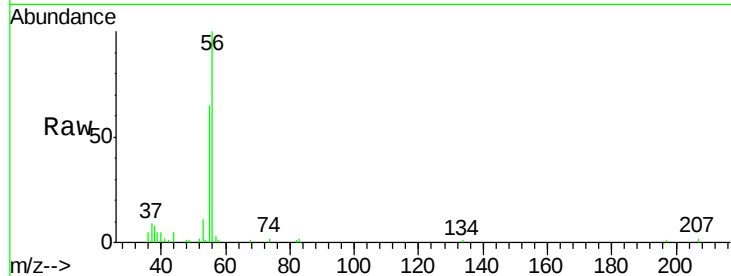
#13
Acrolein
Concen: 245.243 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	56	55	Ratio	100	66.3	Resp	44888	Lower	53.0	Upper	79.6
Ion	56	55	Ratio	100	66.3	Resp	44888	Lower	53.0	Upper	79.6

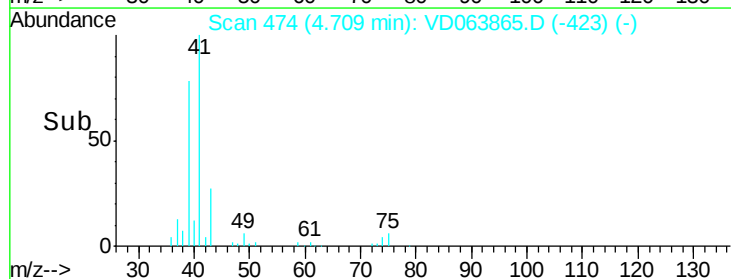
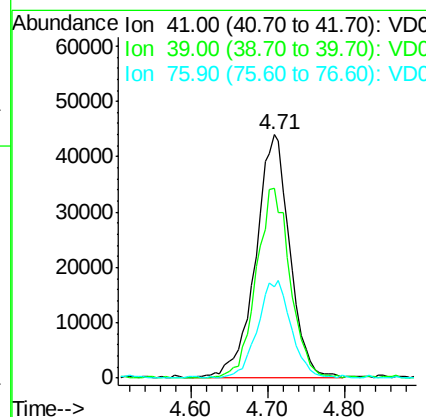
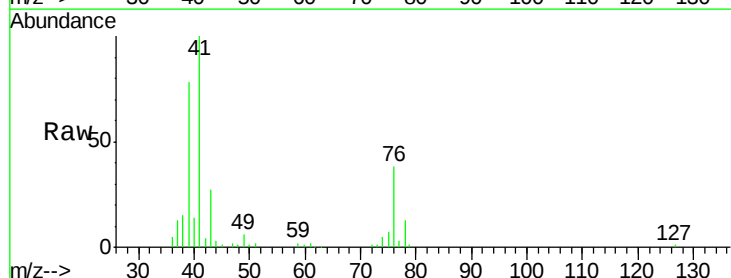
Manual Integrations
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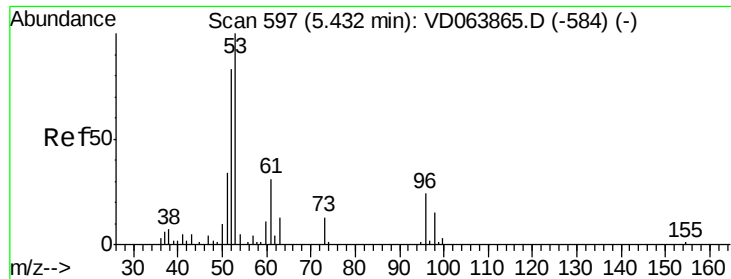
MMDadoda
10/3/2019 12:55:24 PM



#14
Allyl chloride
Concen: 48.990 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	41	39	76	Ratio	100	77.2	39.1	Resp	136794	Lower	61.8	Upper	92.6	46.9
Ion	41	39	76	Ratio	100	77.2	39.1	Resp	136794	Lower	61.8	Upper	92.6	46.9





#15

Acrylonitrile

Concen: 252.129 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

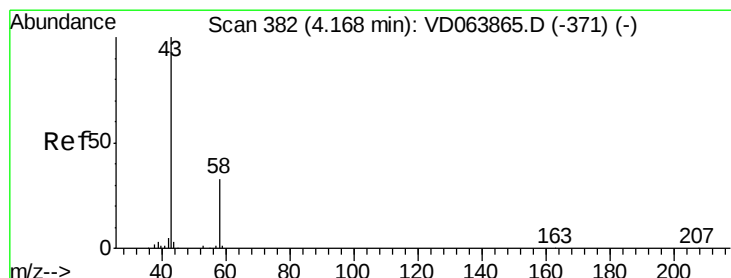
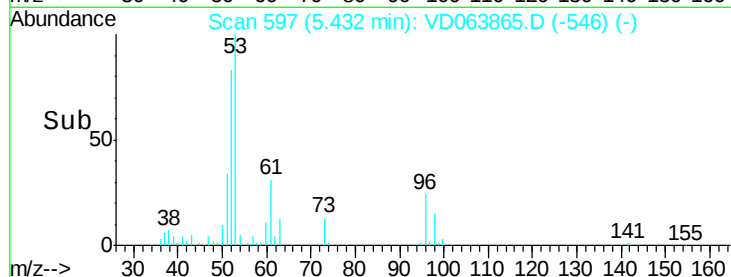
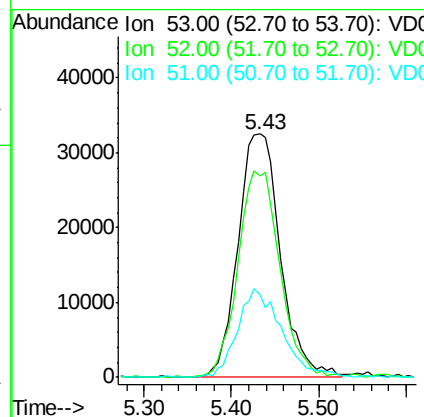
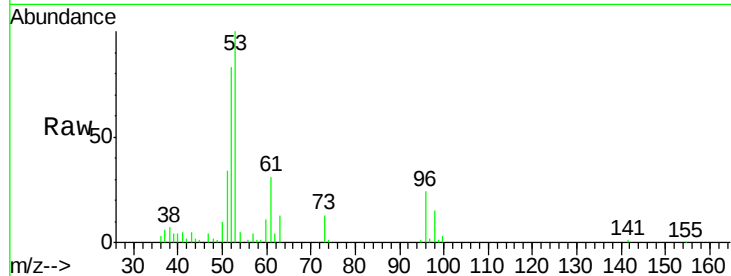
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	107375
Ion	Ratio	Lower	Upper
53	100		
52	84.1	67.3	100.9
51	38.1	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 308.795 ug/l

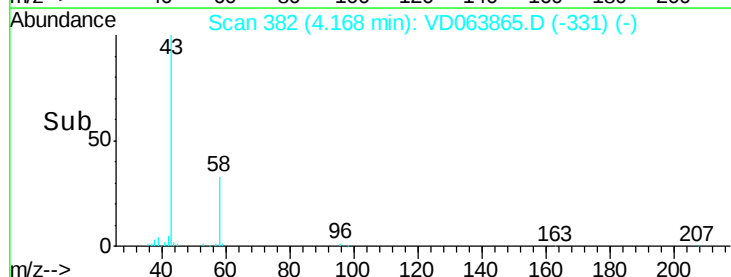
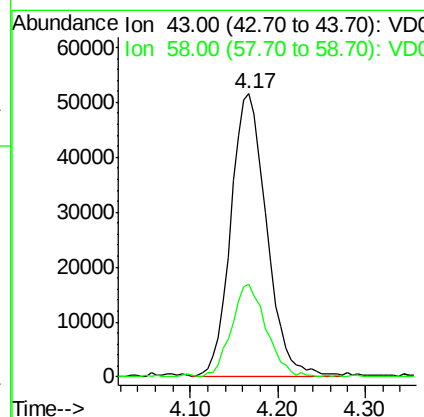
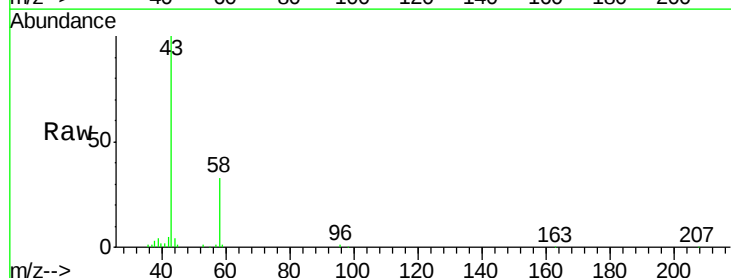
RT: 4.17 min Scan# 382

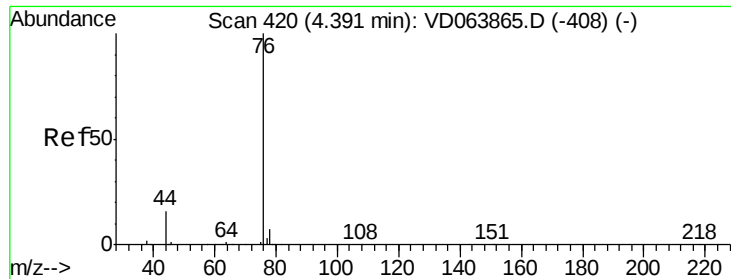
Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Tgt Ion:	43	Resp:	142096
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.2	39.4





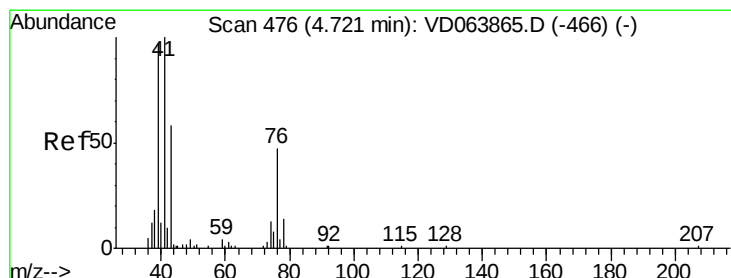
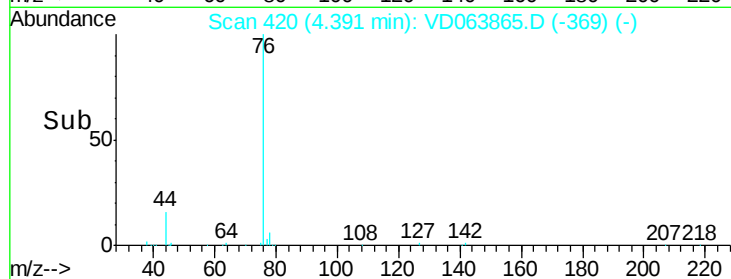
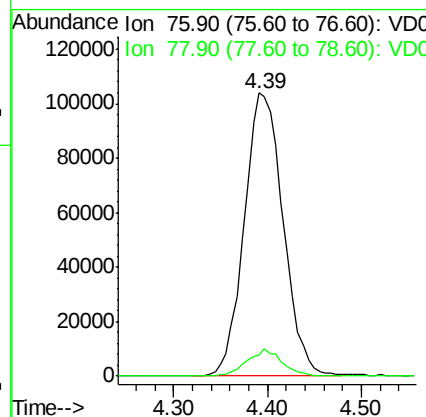
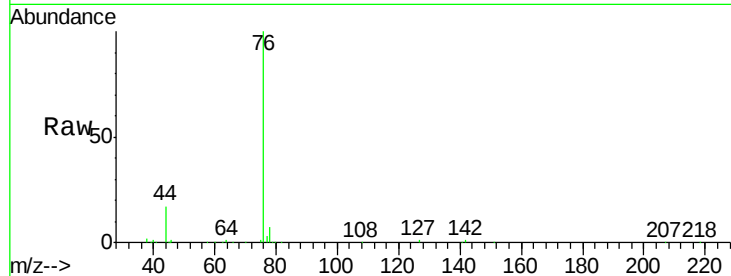
#17
Carbon Disulfide
Concen: 49.931 ug/l
RT: 4.39 min Scan# 420
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.3	5.8	8.8

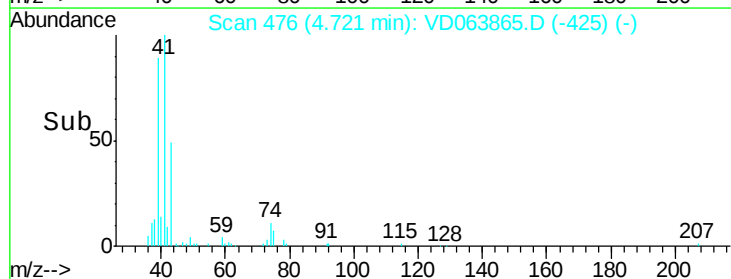
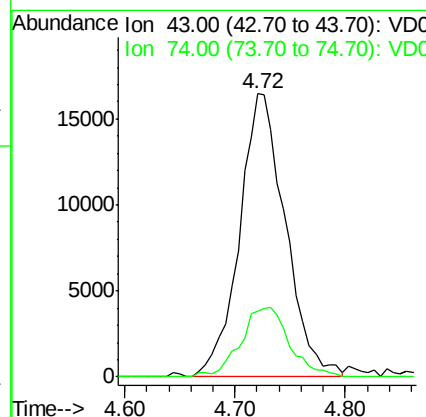
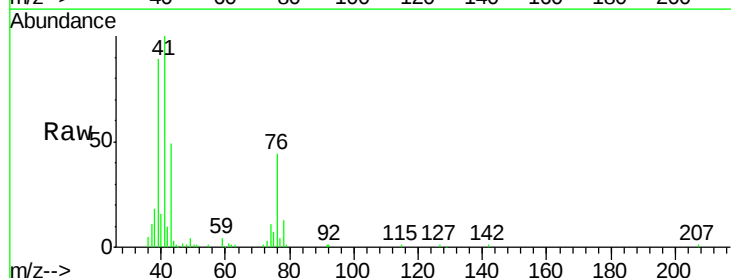
Manual Integrations
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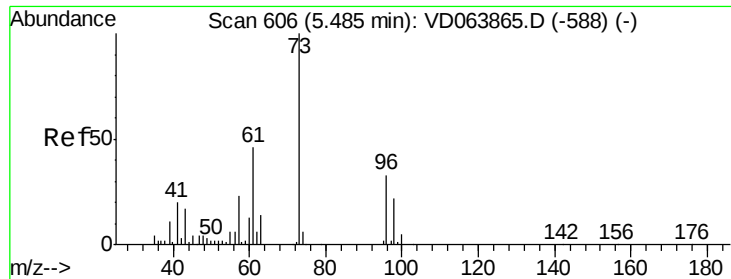
MMDadoda
10/3/2019 12:55:24 PM



#18
Methyl Acetate
Concen: 44.760 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.8	31.2





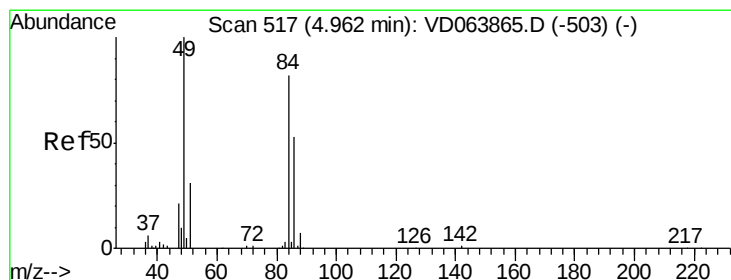
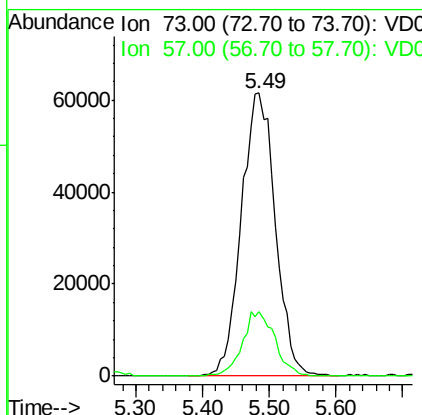
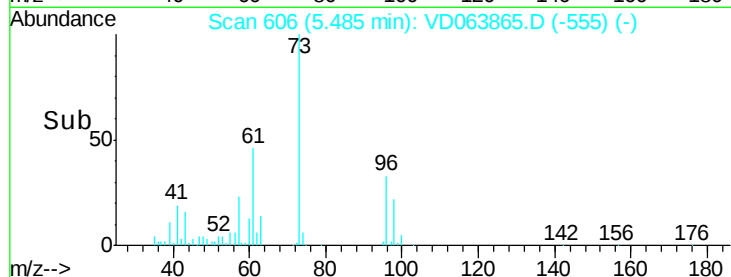
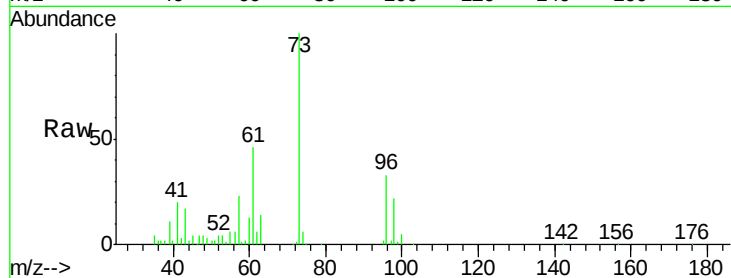
#19
Methvl tert-butvl Ether
Concen: 49.004 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 215627
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

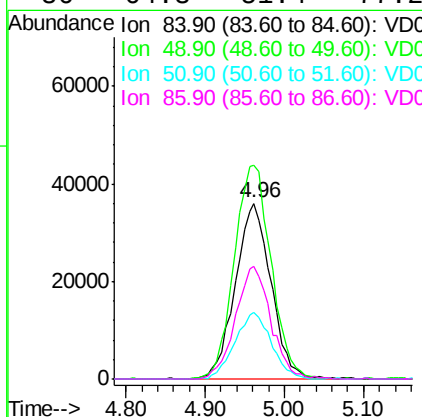
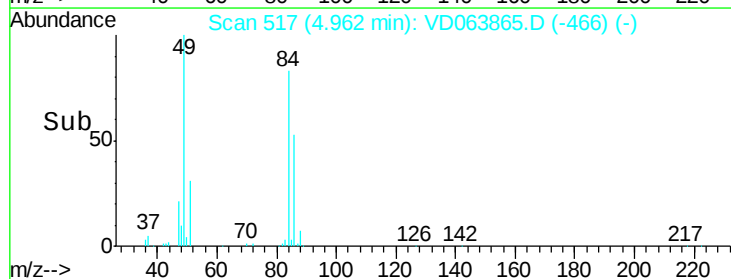
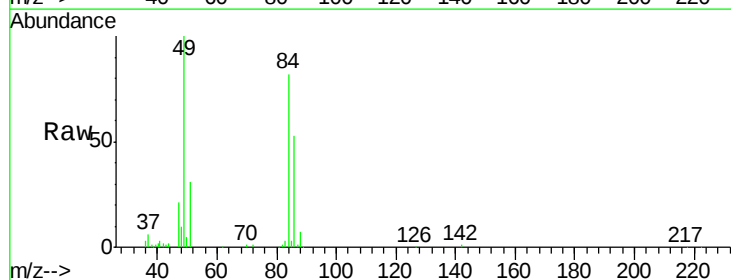
Manual Integrations
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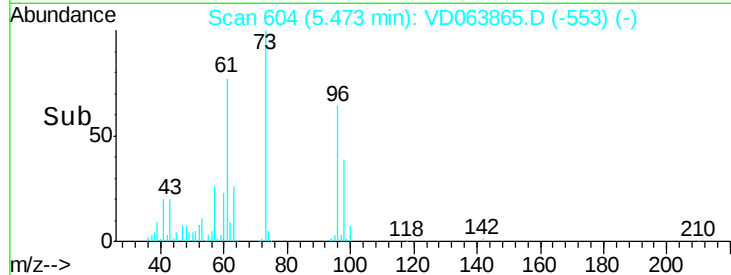
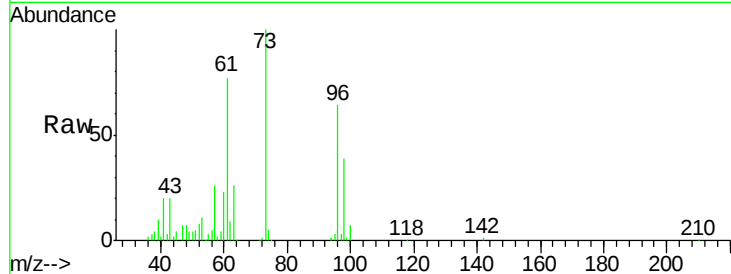
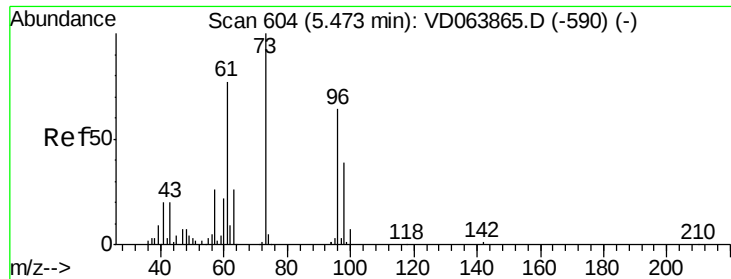
MMDadoda
10/3/2019 12:55:24 PM



#20
Methylene Chloride
Concen: 42.790 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 84 Resp: 112296
Ion Ratio Lower Upper
84 100
49 121.6 97.3 145.9
51 37.6 30.1 45.1
86 64.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 49.661 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD063865.D

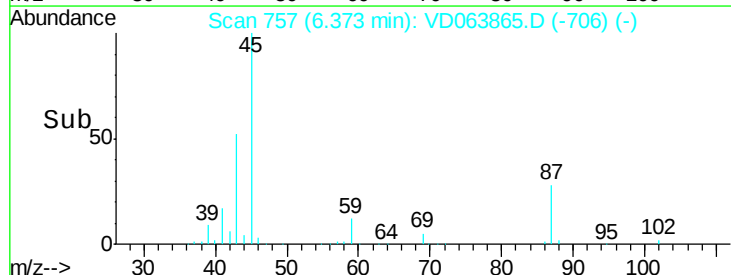
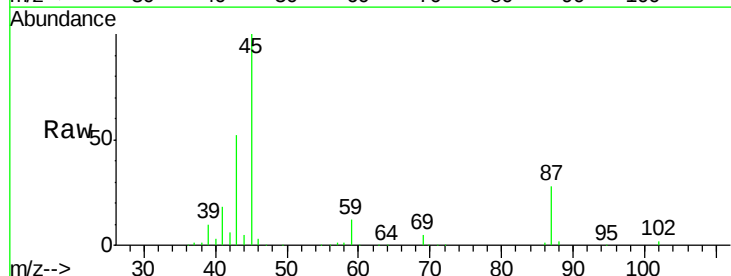
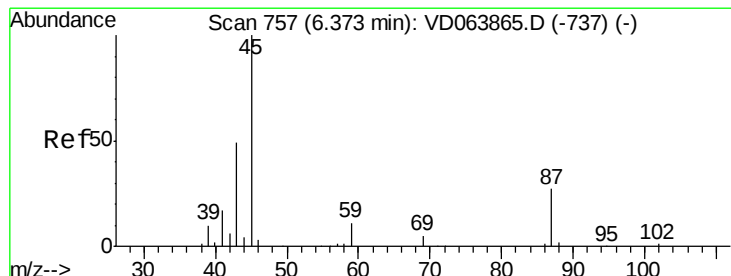
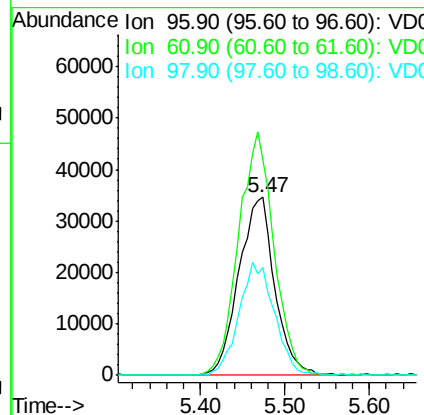
Acq: 02 Oct 2019 17:44

Tot Ion:	96	Resp:	101922
Ion	Ratio	Lower	Upper
96	100		
61	120.8	96.6	145.0
98	60.9	48.7	73.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Manual Integrations
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10/3/2019 12:55:24 PM



#22

Diisopropyl ether

Concen: 49.692 ug/l

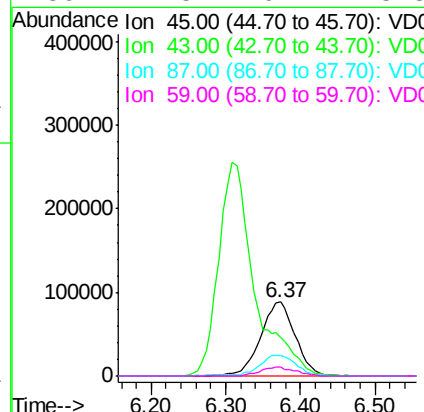
RT: 6.37 min Scan# 757

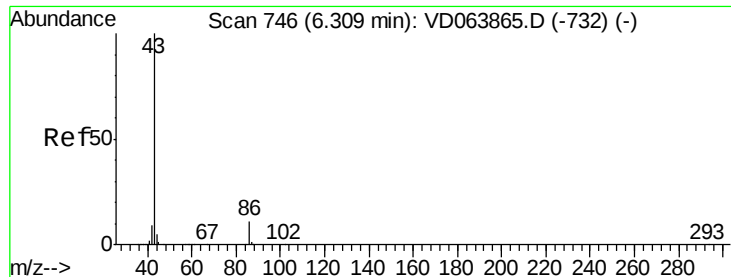
Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Tgt Ion:	45	Resp:	284649
Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.2	61.8
87	27.8	22.2	33.4
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 252.471 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 860257

Ion Ratio Lower Upper

43 100

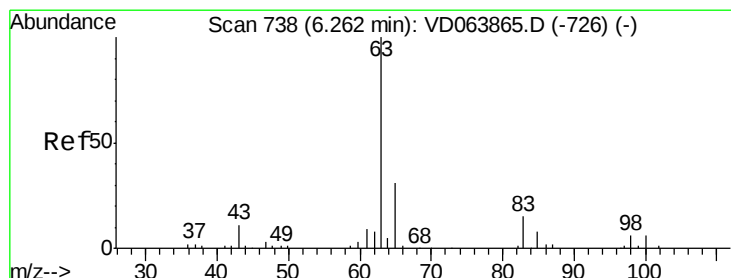
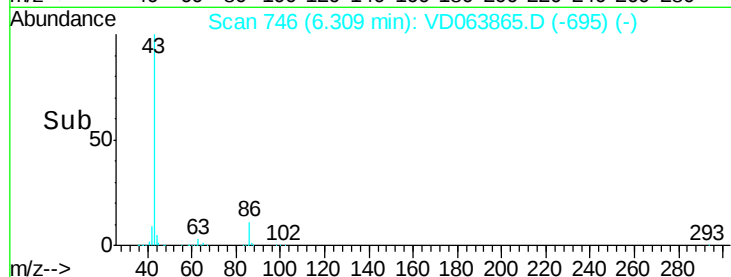
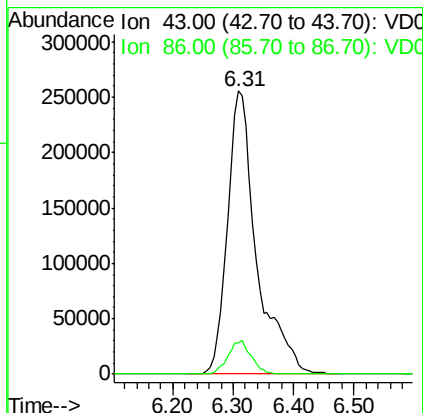
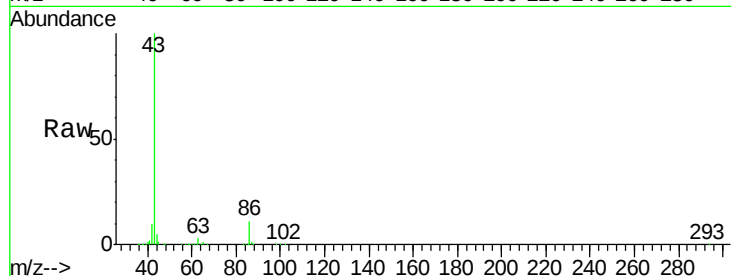
86 11.0 8.8 13.2

Manual Integrations

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MMDadoda

10/3/2019 12:55:24 PM



#24

1,1-Dichloroethane

Concen: 50.688 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

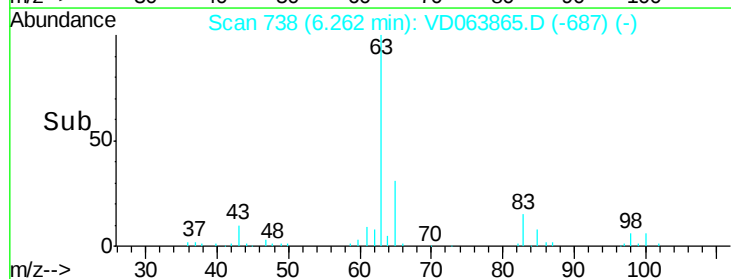
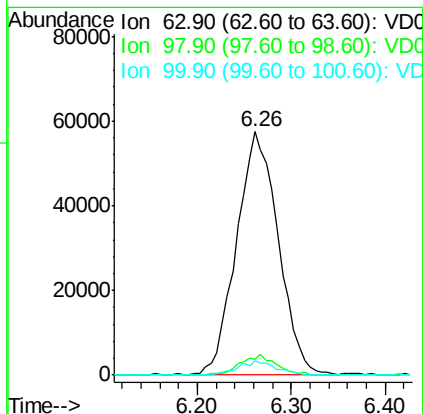
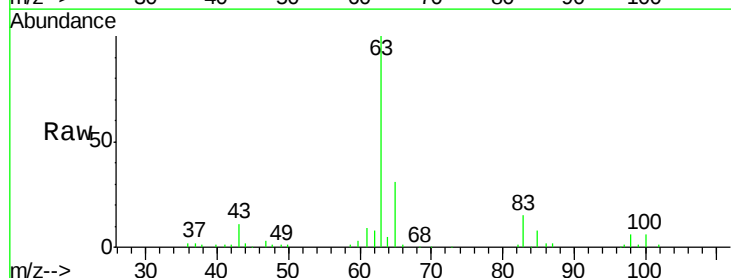
Tgt Ion: 63 Resp: 177269

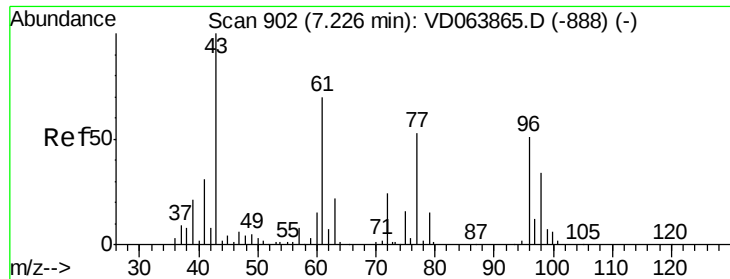
Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 6.1 3.0 9.2





#25

2-Butanone

Concen: 272.013 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 158924

Ion Ratio Lower Upper

43 100

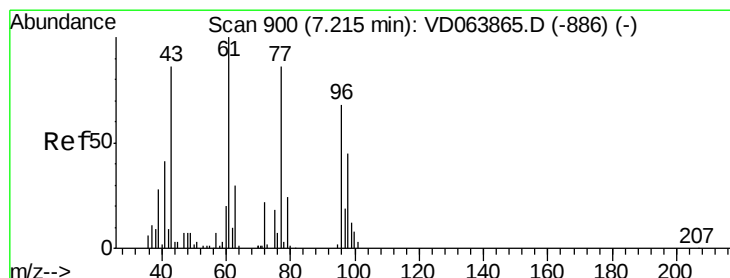
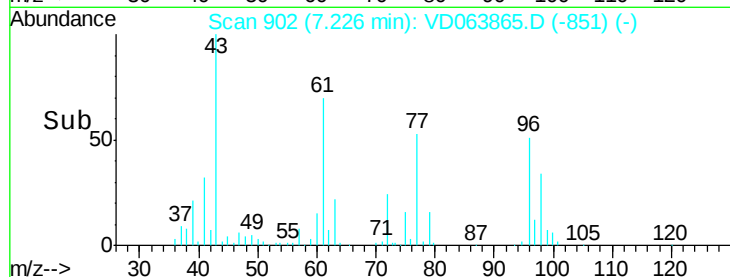
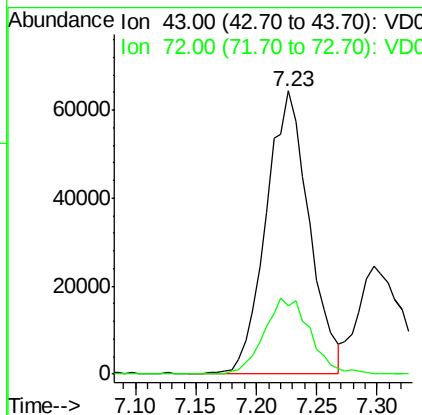
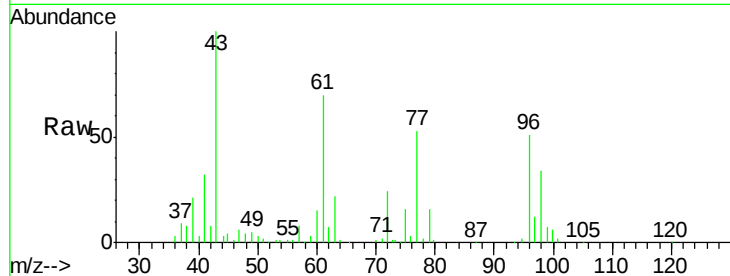
72 24.0 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 47.706 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD063865.D

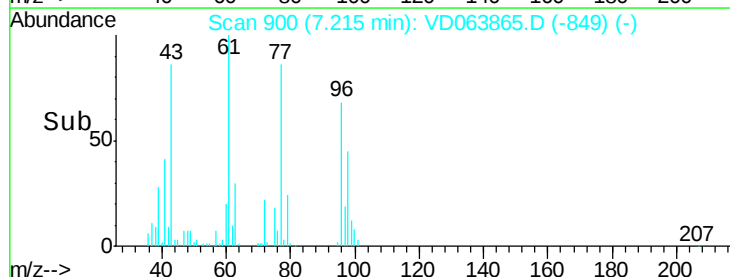
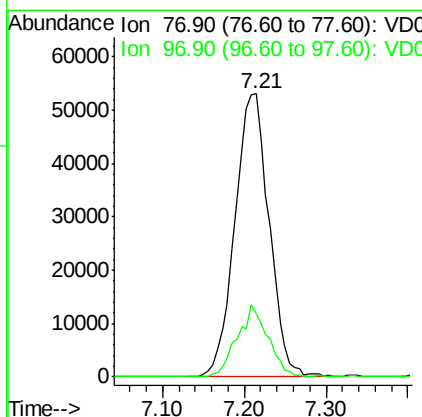
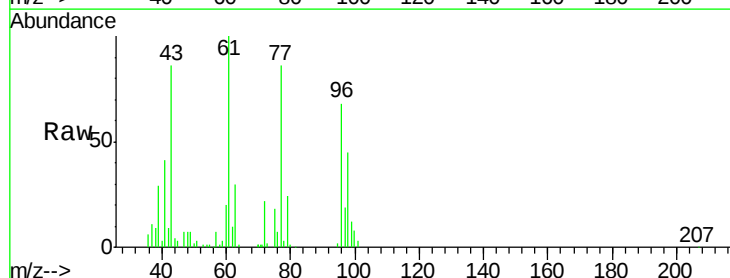
Acq: 02 Oct 2019 17:44

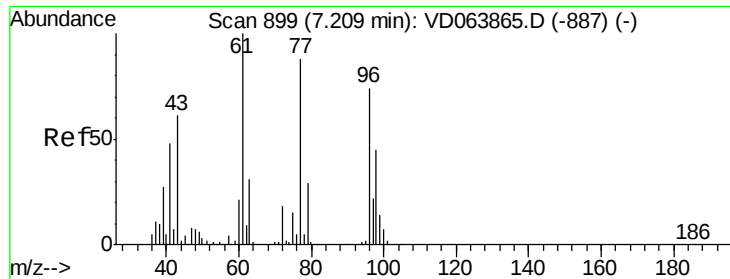
Tgt Ion: 77 Resp: 154319

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

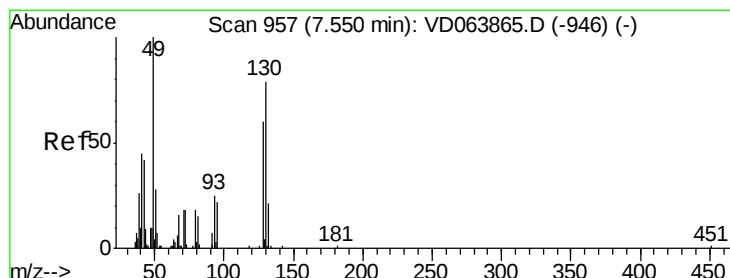
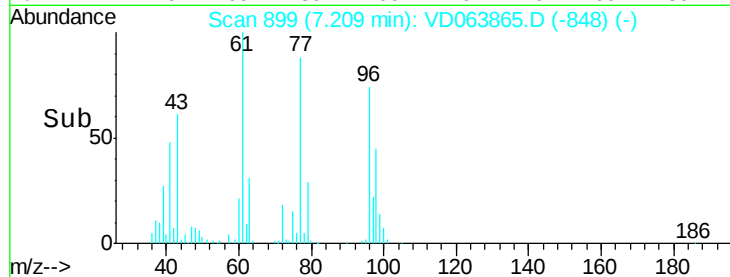
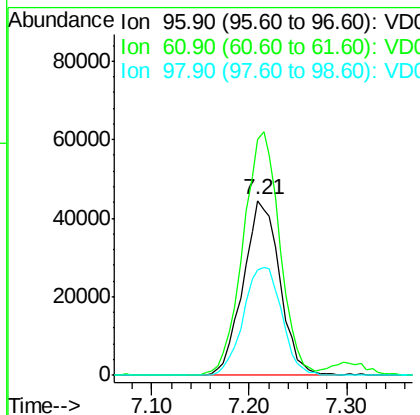
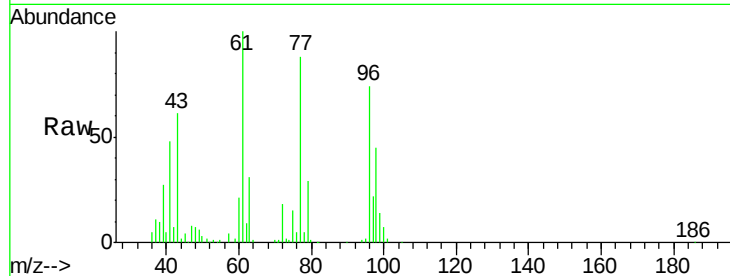
cis-1,2-Dichloroethene
Concen: 50.604 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.0	0.0	280.0	
98	65.2	0.0	130.4	

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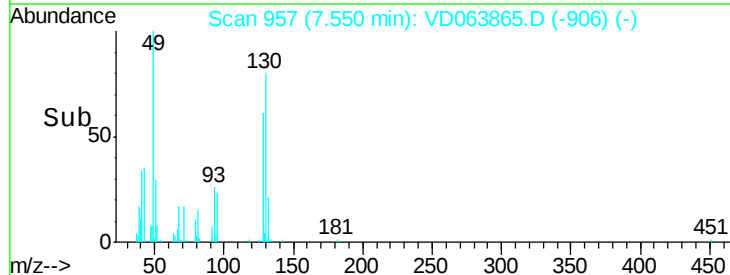
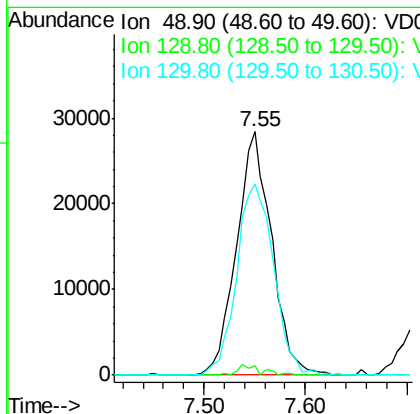
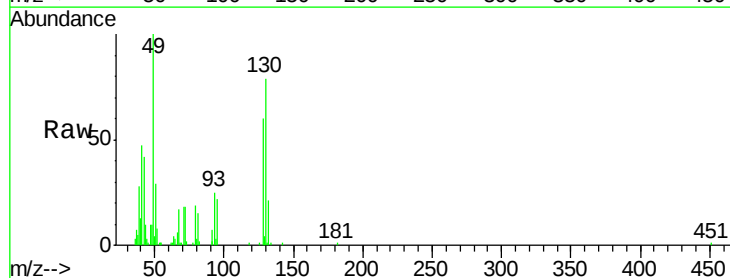
MMDadoda
10/3/2019 12:55:24 PM

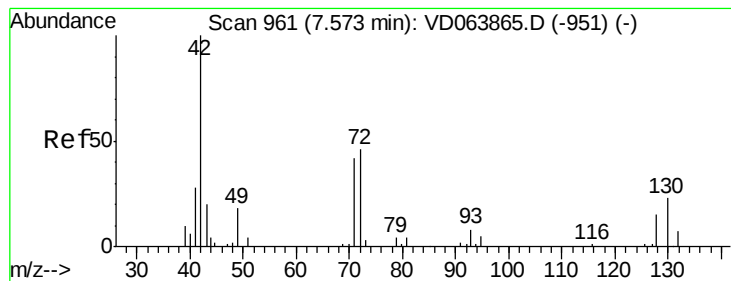


#28

Bromochloromethane
Concen: 50.772 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	5.6	
130	83.5	66.8	100.2	





#29

Tetrahydrofuran

Concen: 245.525 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

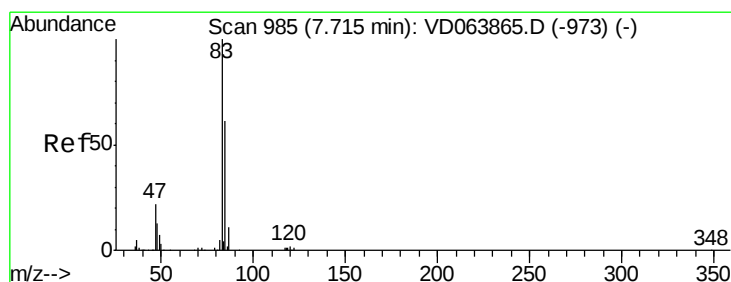
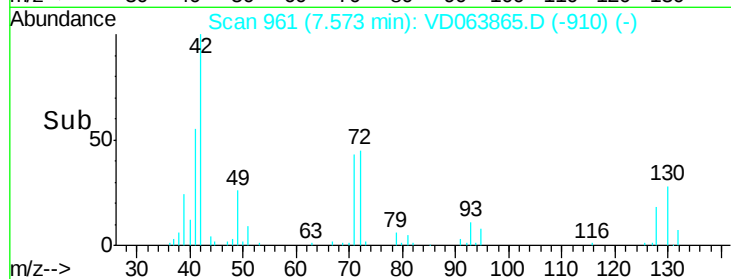
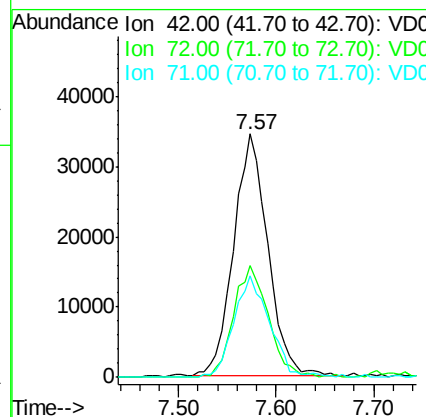
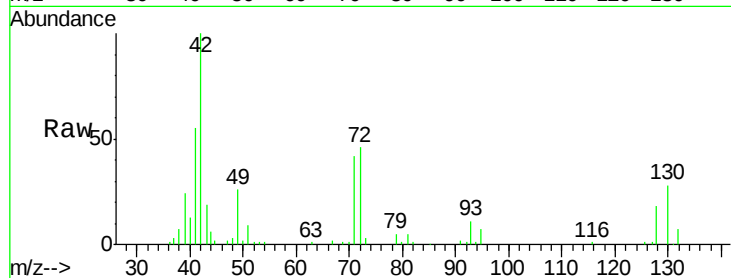
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	83818
Ion Ratio		Lower	Upper
42	100		
72	47.0	37.6	56.4
71	43.8	35.0	52.6

Manual Integrations
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#30

Chloroform

Concen: 49.073 ug/l

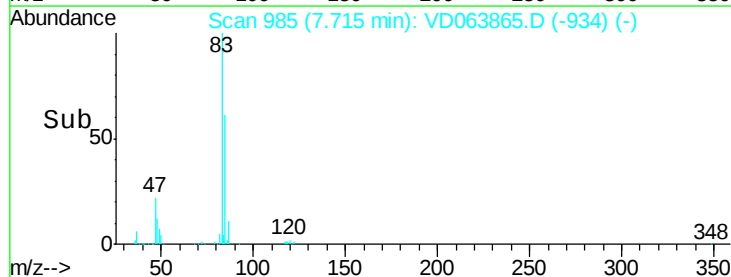
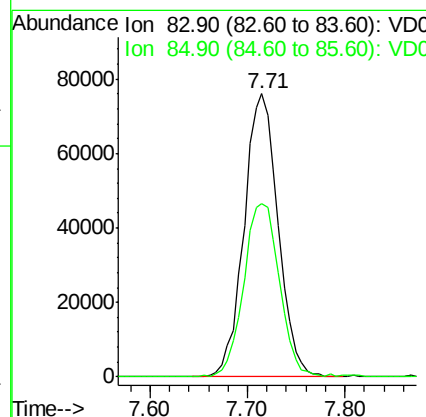
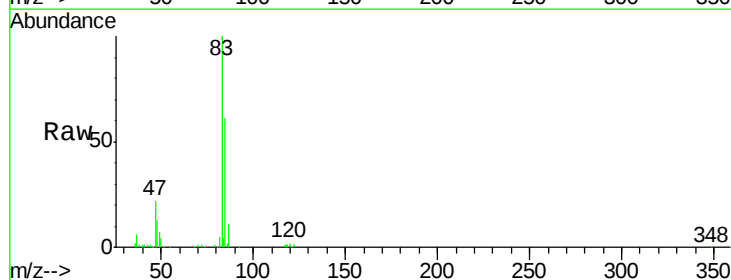
RT: 7.71 min Scan# 985

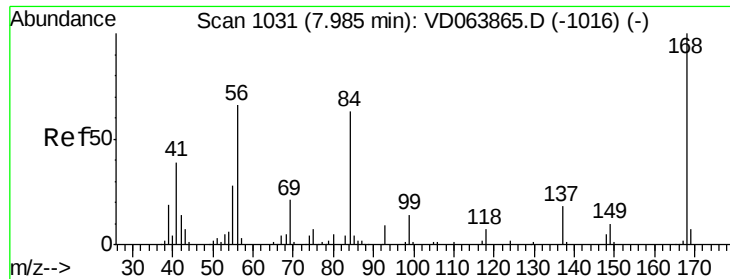
Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Tgt Ion:	83	Resp:	185452
Ion Ratio		Lower	Upper
83	100		
85	61.1	48.9	73.3





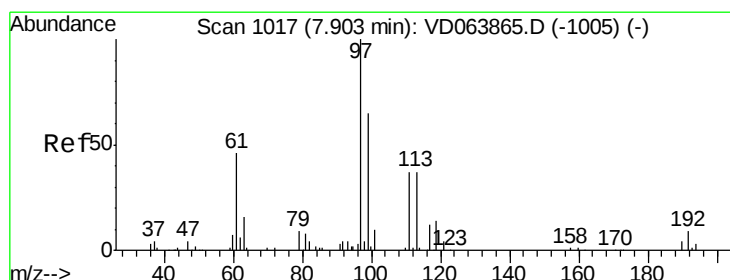
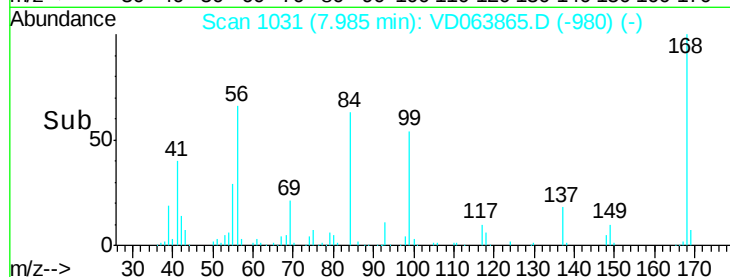
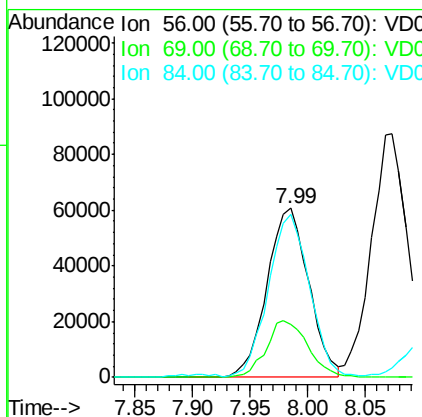
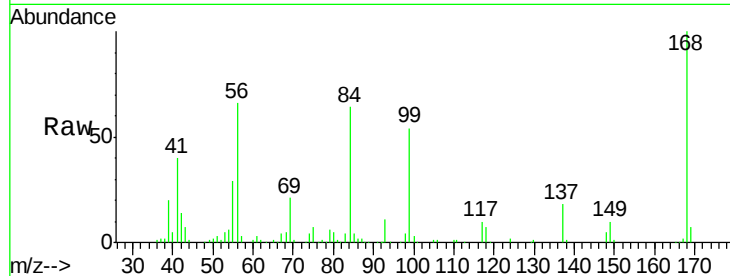
#31
Cyclohexane
Concen: 44.501 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	25.0	37.4
84	95.4	76.3	114.5

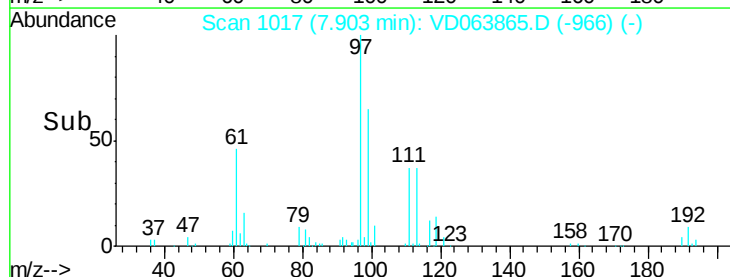
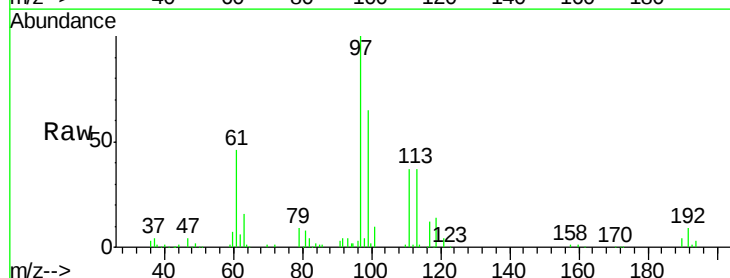
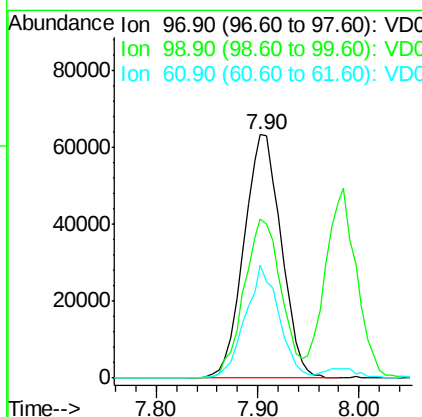
Manual Integrations
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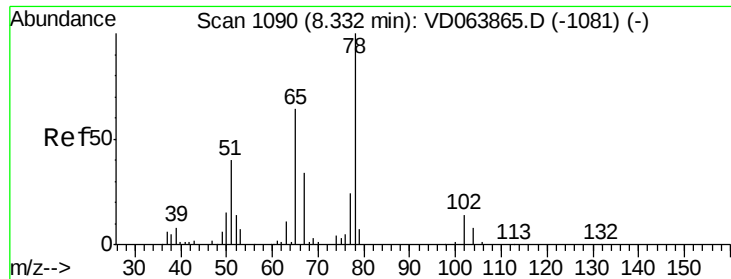
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.363 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.4	78.6
61	42.3	33.8	50.8





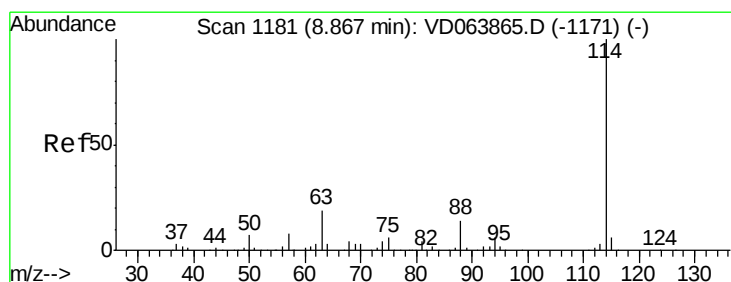
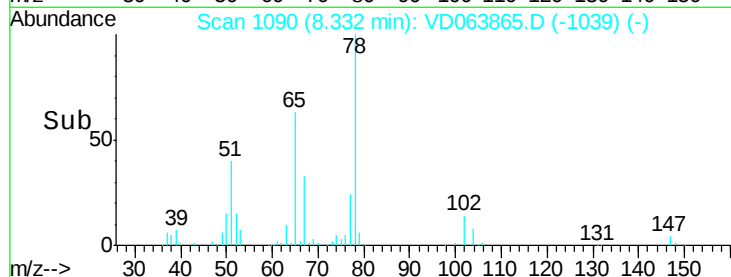
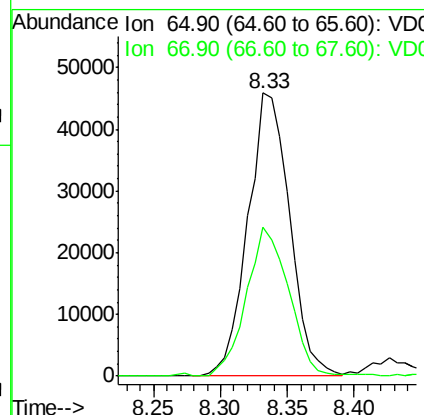
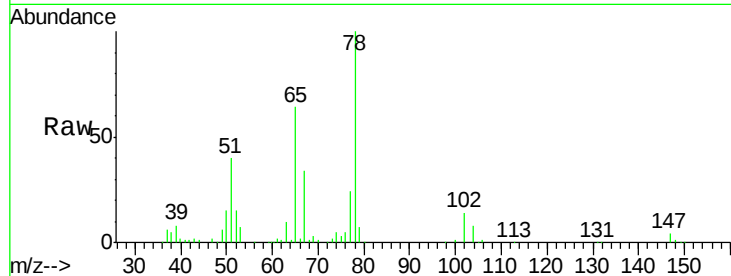
#33
 1,2-Dichloroethane-d4
 Concen: 51.188 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	65	Resp	99331
Ion Ratio	100	Lower	Upper
67	53.2	0.0	106.4

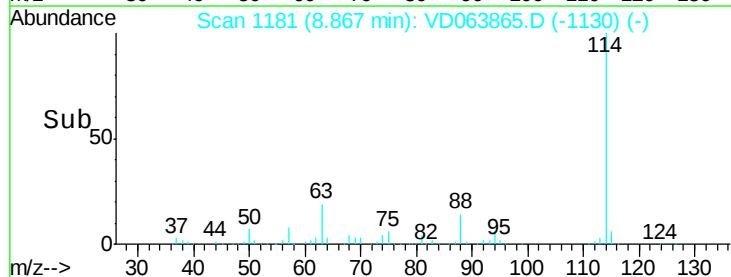
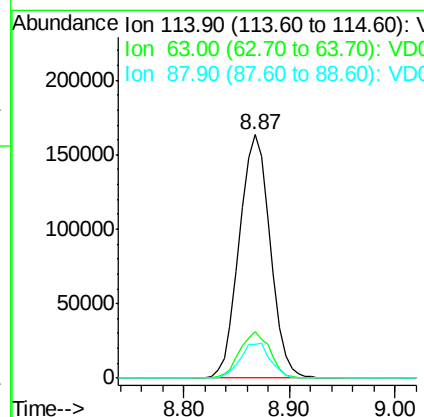
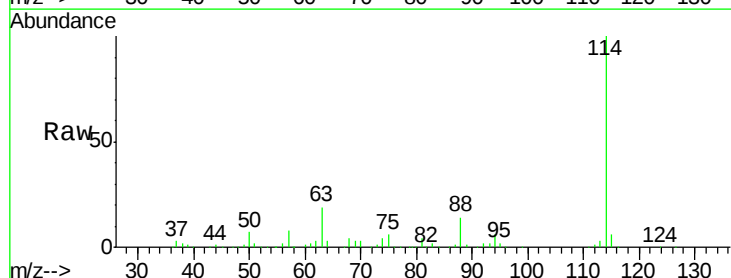
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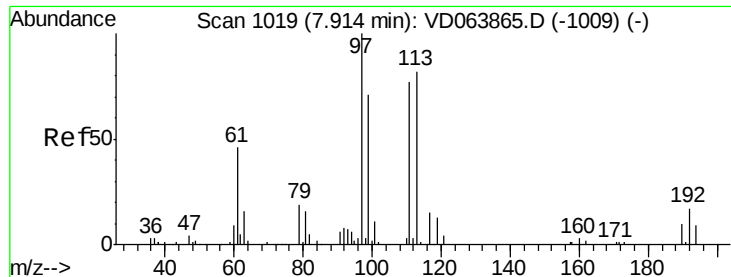
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion	114	Resp	331550
Ion Ratio	100	Lower	Upper
63	19.2	0.0	38.4
88	13.7	0.0	27.4





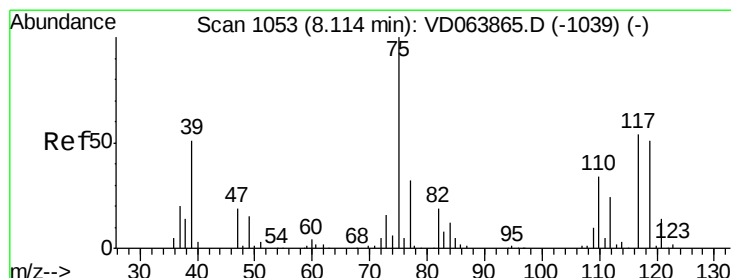
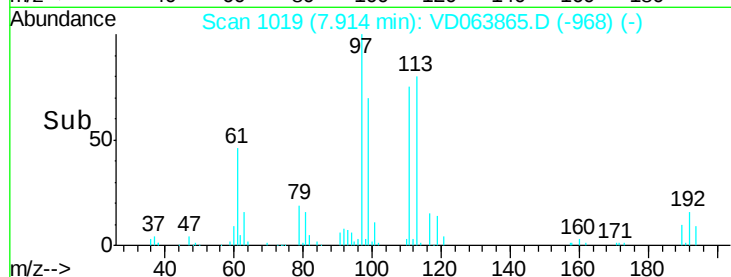
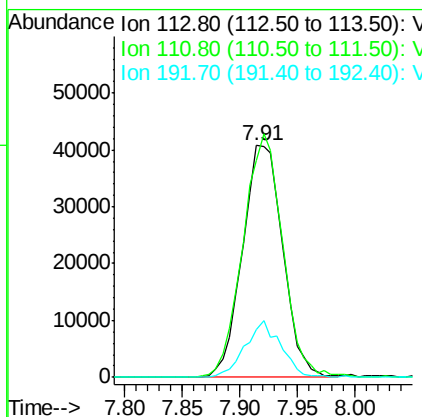
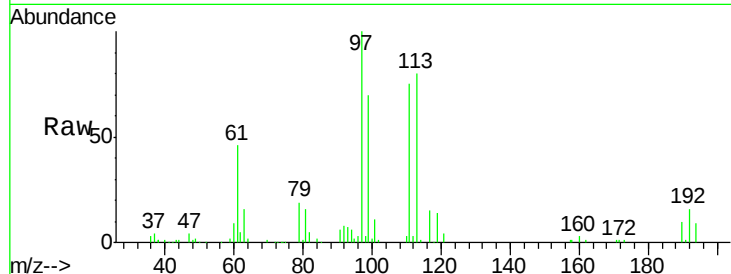
#35
Dibromofluoromethane
Concen: 47.756 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	21.4	17.1	25.7

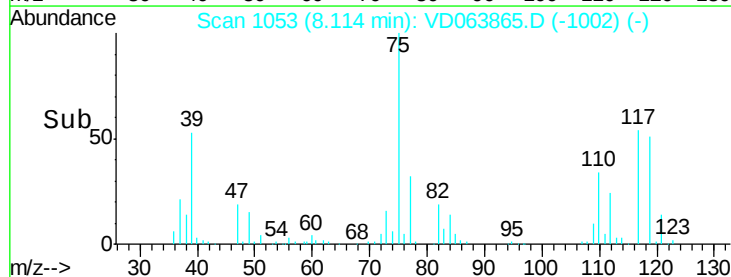
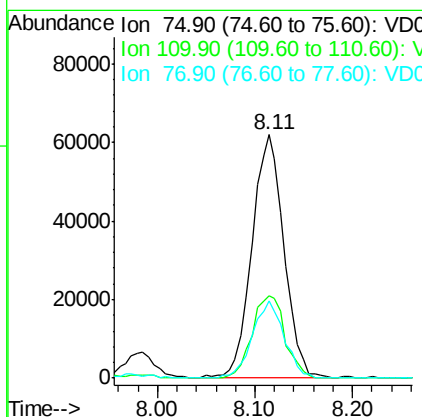
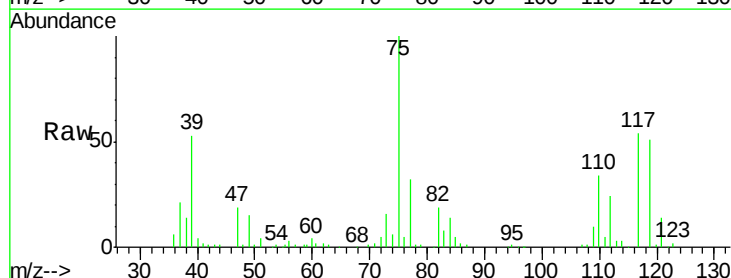
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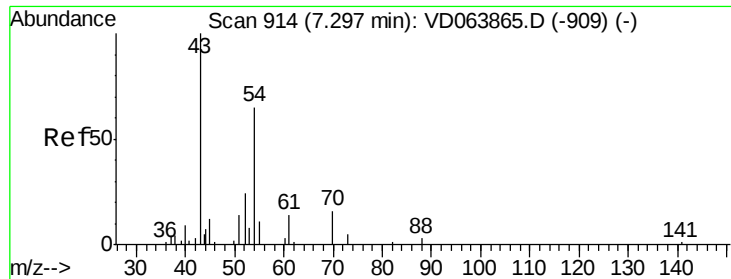
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#36
1,1-Dichloropropene
Concen: 47.526 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.4	52.3
77	31.7	25.4	38.0





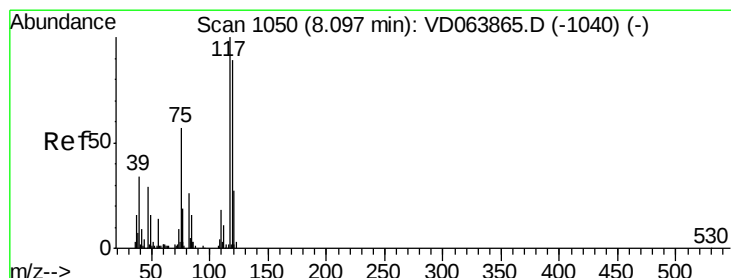
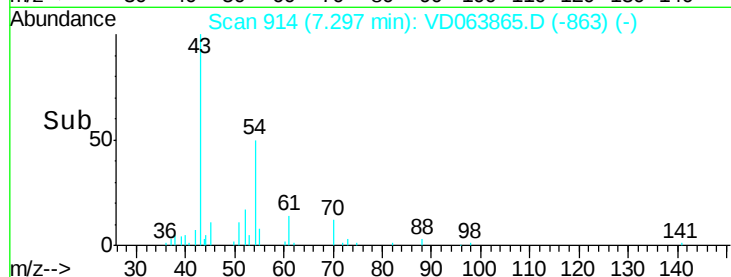
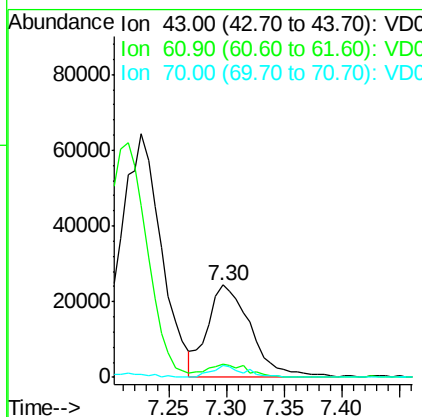
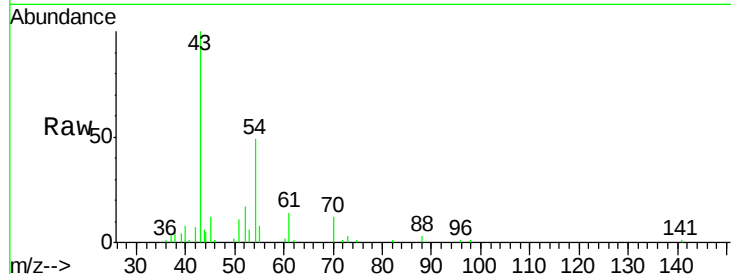
#37
Ethyl Acetate
Concen: 48.949 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	10.3	8.2	12.4

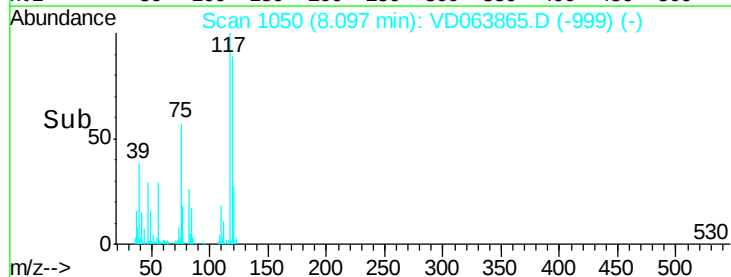
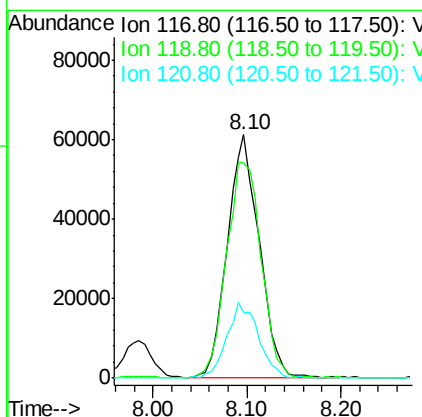
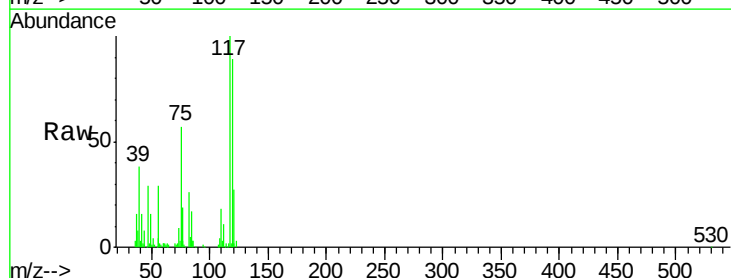
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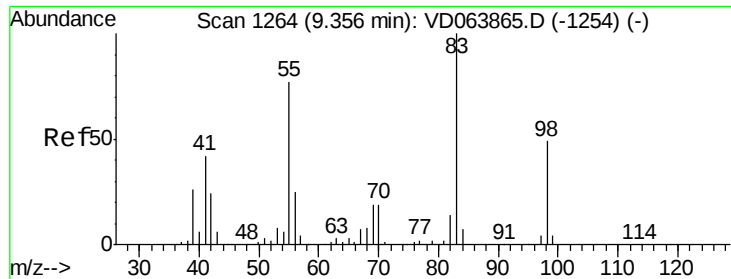
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#38
Carbon Tetrachloride
Concen: 46.691 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.5	70.8	106.2
121	26.7	21.4	32.0





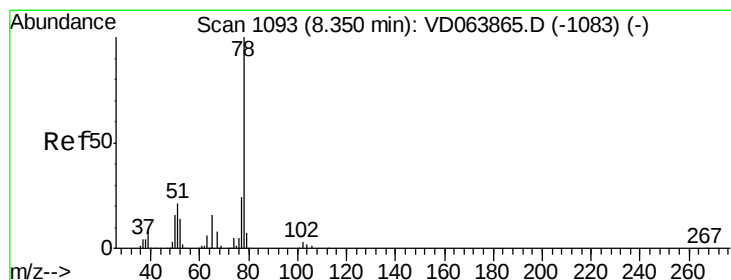
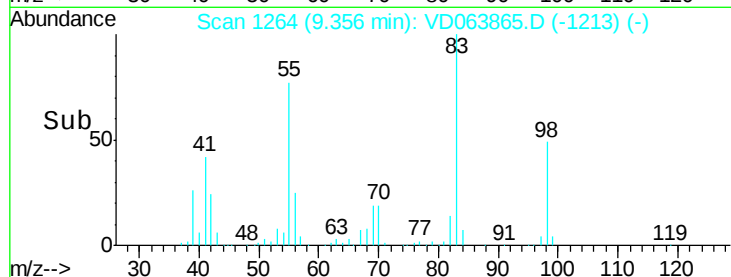
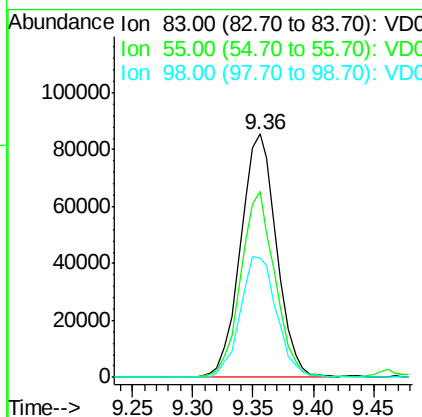
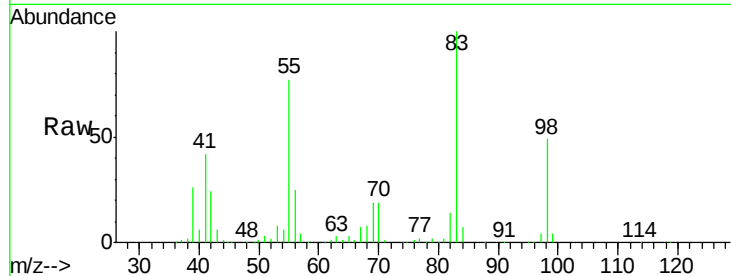
#39
Methvlcvclohexane
Concen: 47.693 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	49.1	39.3	58.9

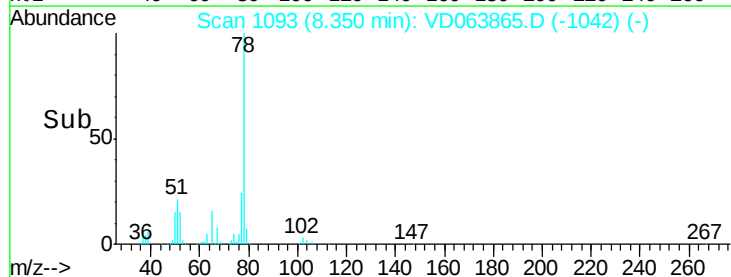
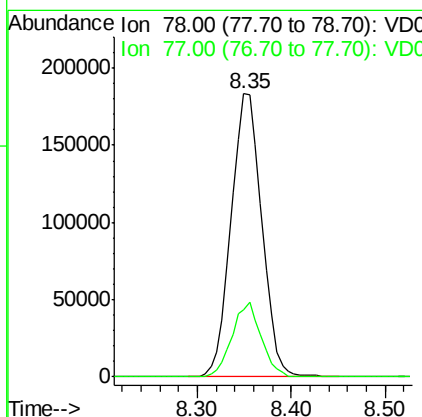
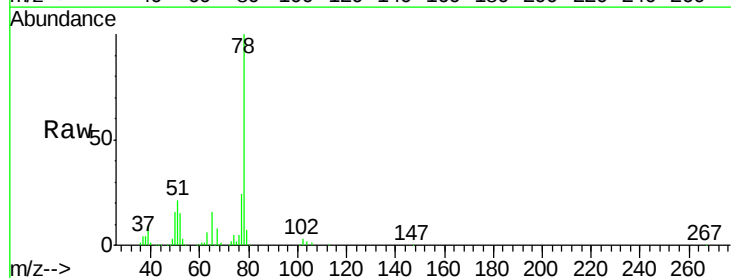
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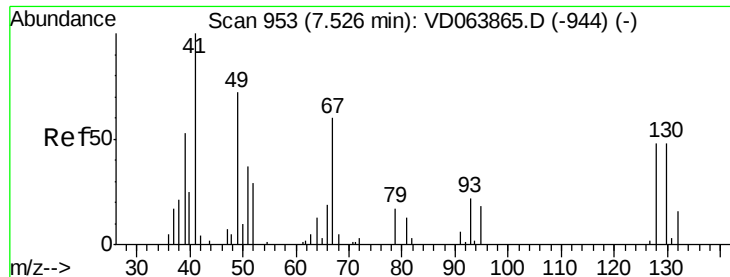
MMDadoda
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#40
Benzene
Concen: 50.081 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41

Methacrylonitrile

Concen: 38.283 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 27707

Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

67 92.7 74.2 111.2

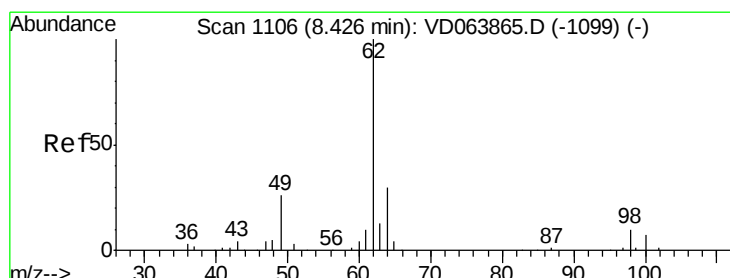
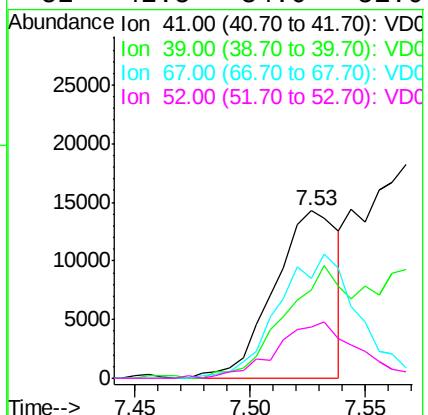
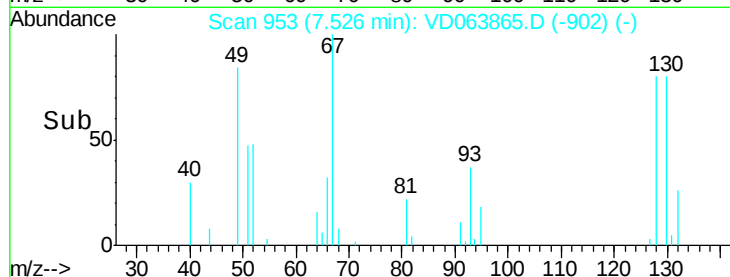
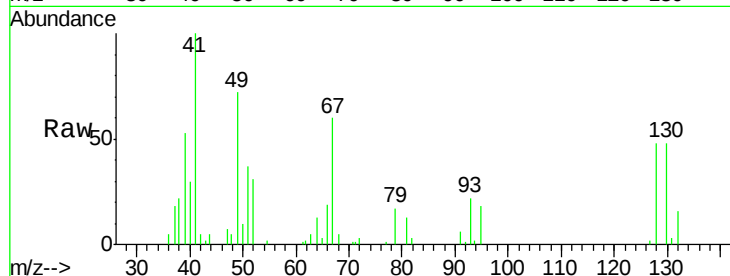
52 42.5 34.0 51.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 49.839 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD063865.D

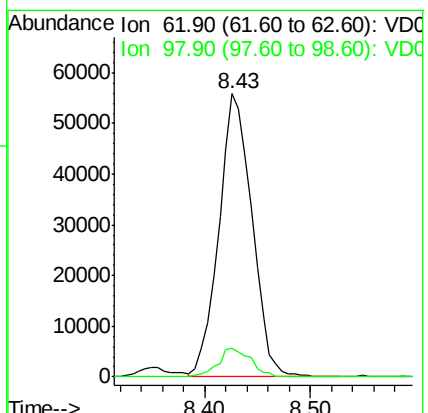
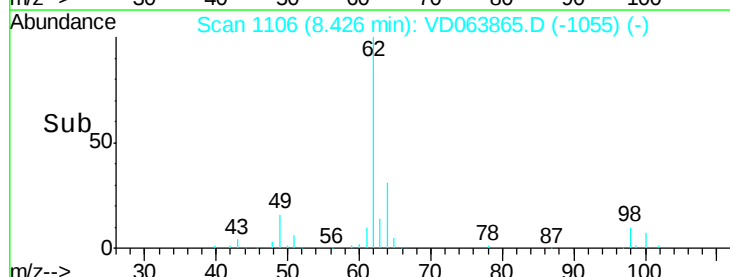
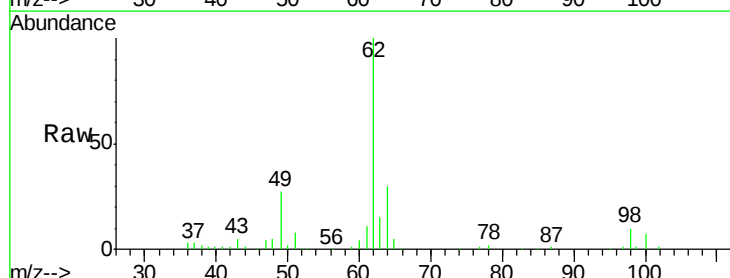
Acq: 02 Oct 2019 17:44

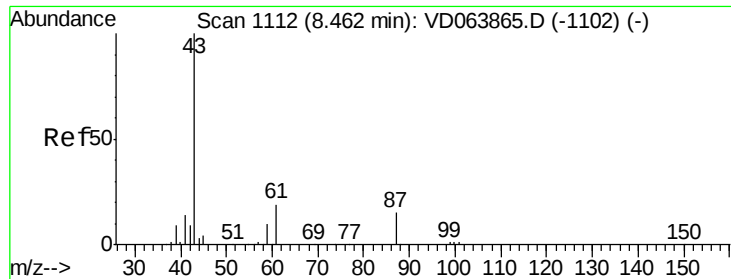
Tgt Ion: 62 Resp: 121381

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.0





#43

Isopropyl Acetate

Concen: 47.136 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

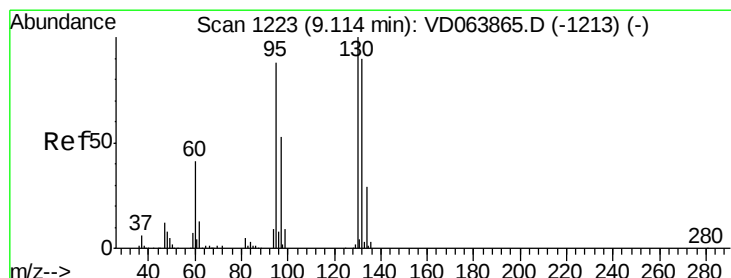
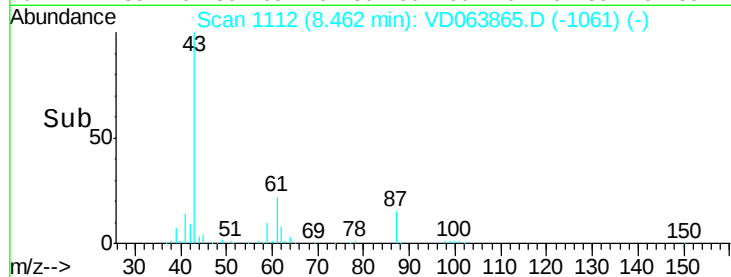
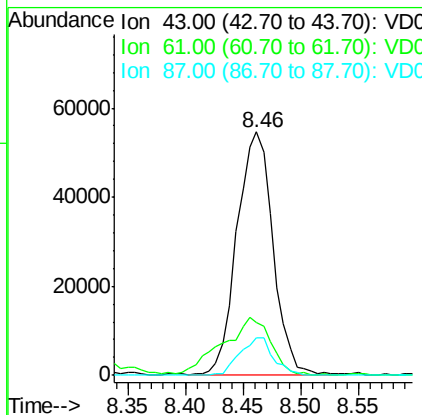
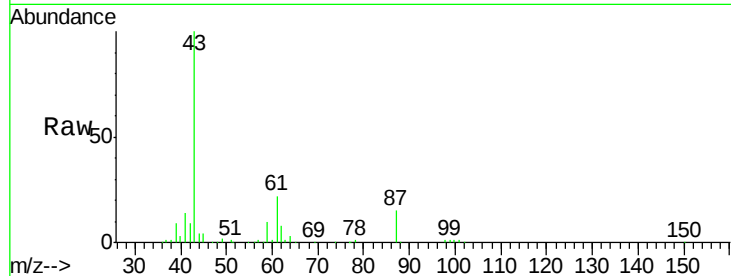
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	119033
Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.7	38.5
87	14.5	11.6	17.4

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#44

Trichloroethene

Concen: 50.412 ug/l

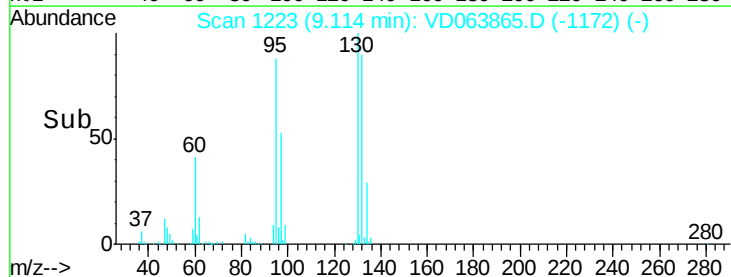
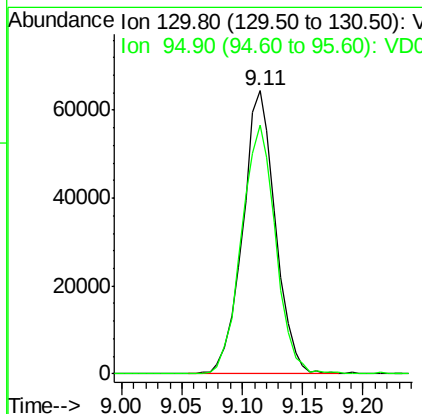
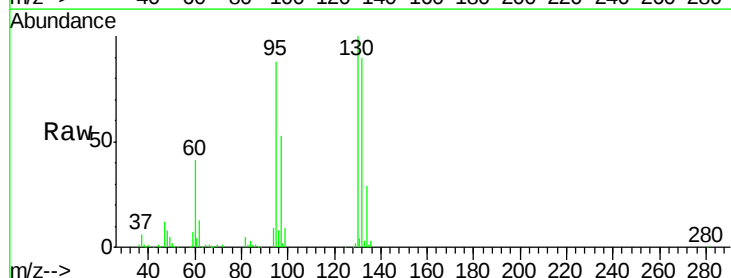
RT: 9.11 min Scan# 1223

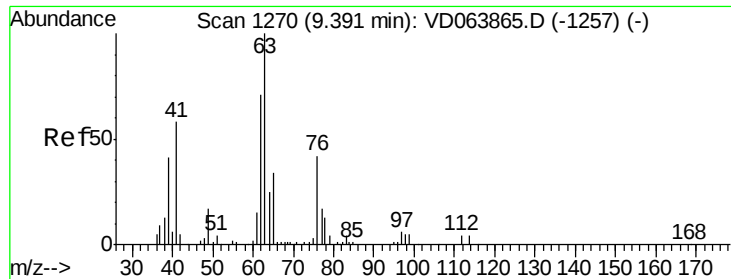
Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Tgt Ion:	130	Resp:	121605
Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	175.6





#45

1,2-Dichloropropane

Concen: 49.395 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 101594

Ion Ratio Lower Upper

63 100

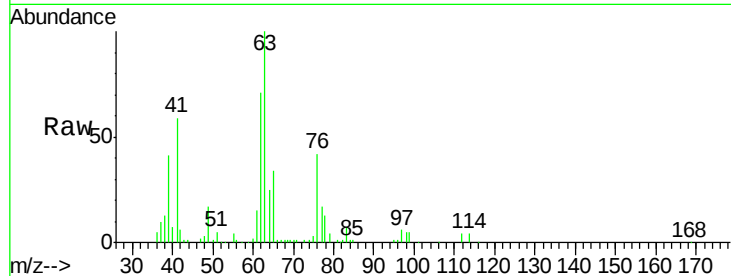
65 34.1 27.3 40.9

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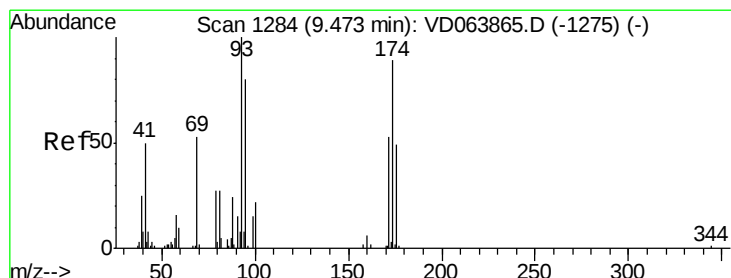
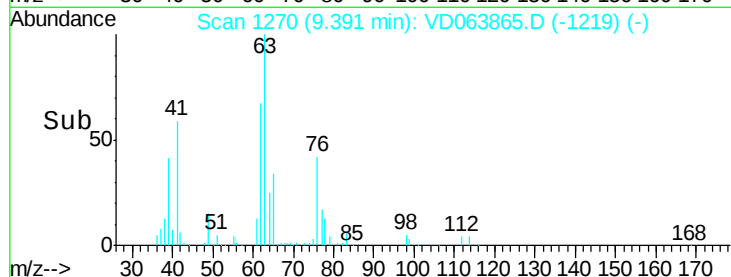
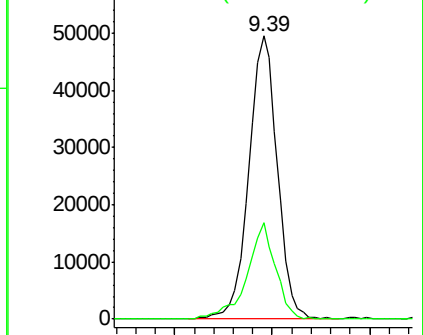
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.815 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

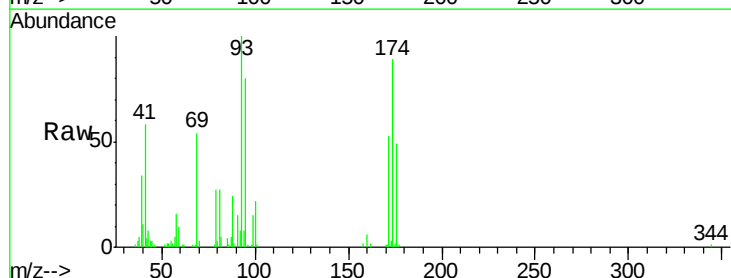
Tgt Ion: 93 Resp: 59095

Ion Ratio Lower Upper

93 100

95 82.5 66.0 99.0

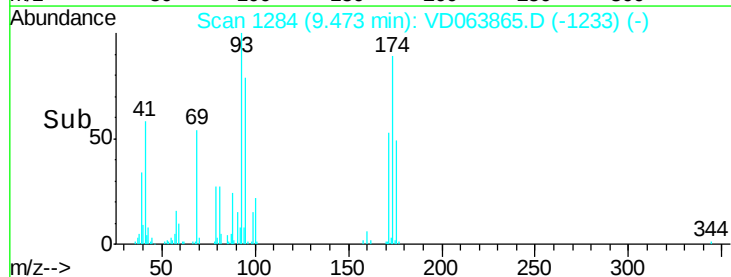
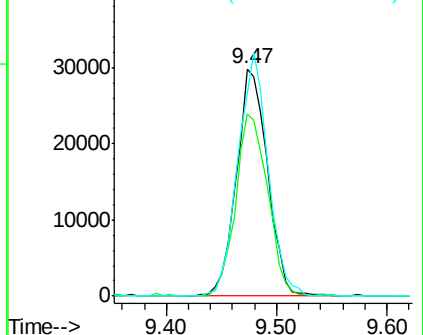
174 104.2 83.4 125.0

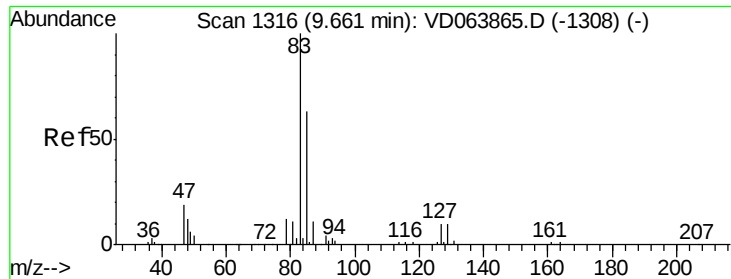


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





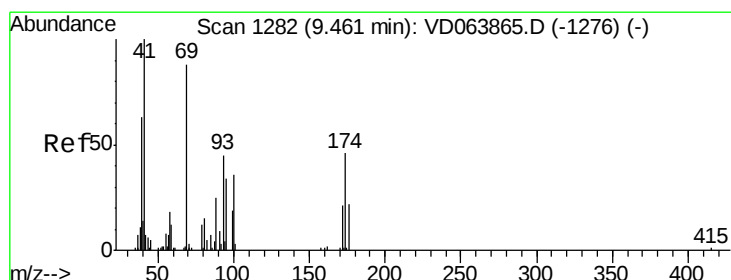
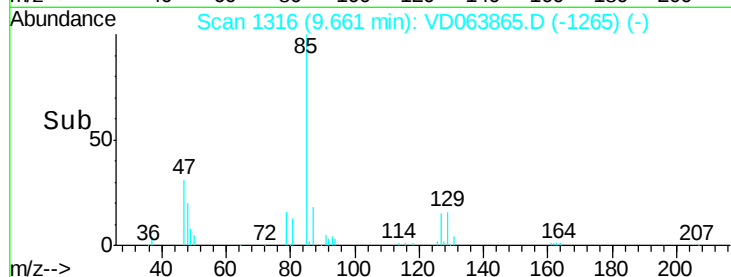
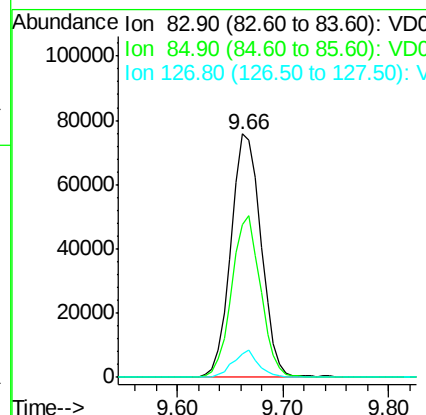
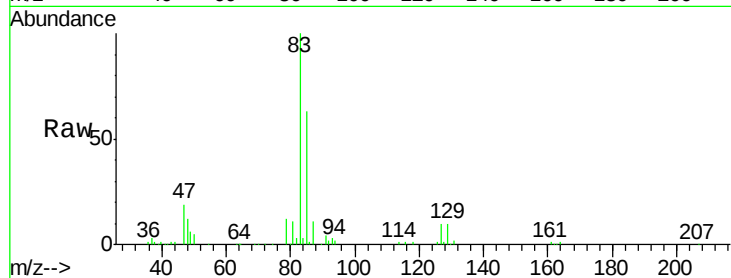
#47
Bromodichloromethane
Concen: 50.006 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	149370
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	50.2	75.2
127	9.5	7.6	11.4

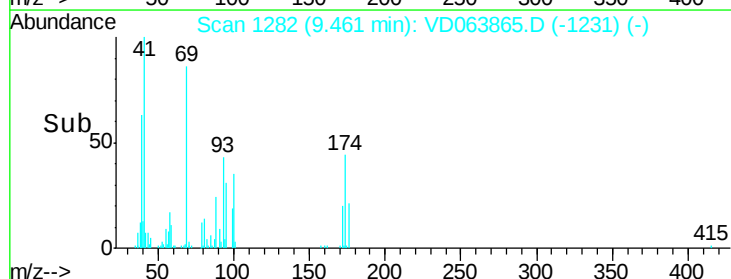
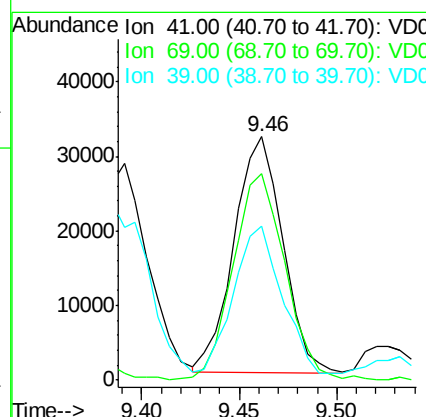
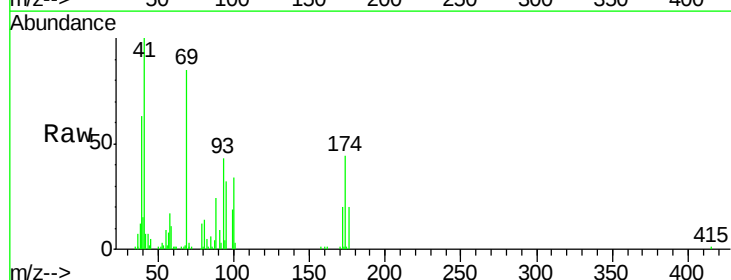
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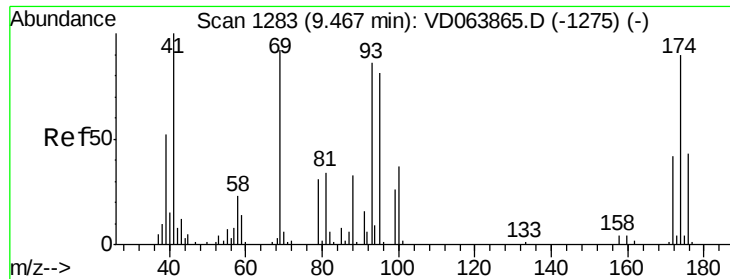
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#48
Methyl methacrylate
Concen: 47.563 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	41	Resp	54749
Ion Ratio	100	Lower	Upper
41	100		
69	93.9	75.1	112.7
39	62.7	50.2	75.2





#49

1,4-Dioxane

Concen: 1011.632 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 88 Resp: 16664

Ion Ratio Lower Upper

88 100

43 34.5 27.6 41.4

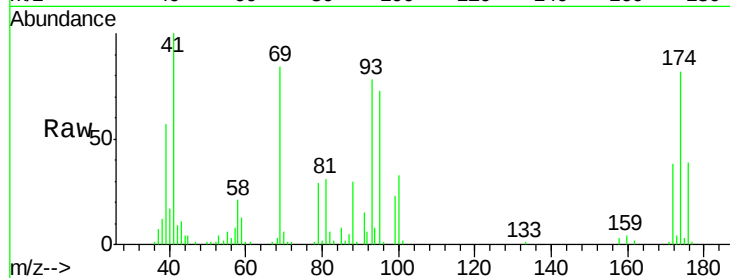
58 67.6 54.1 81.1

Manual Integrations

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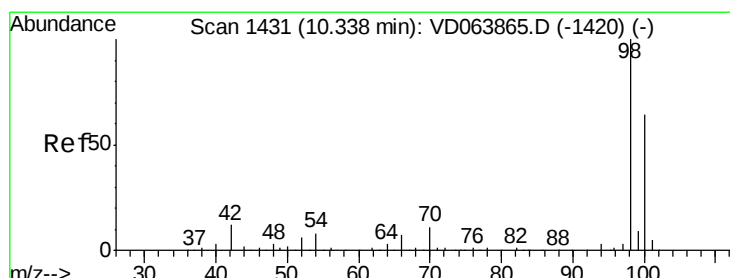
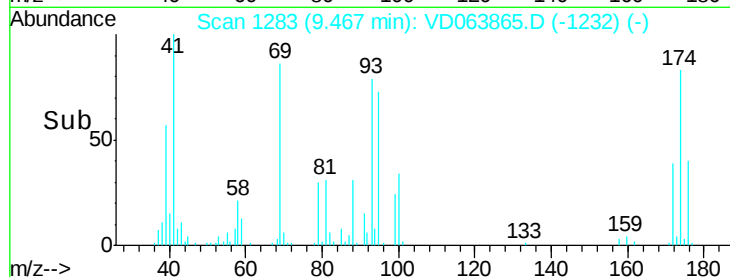
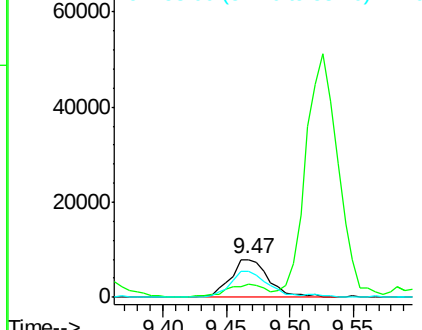
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.429 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD063865.D

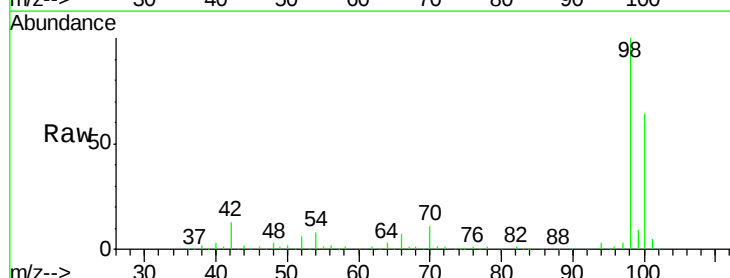
Acq: 02 Oct 2019 17:44

Tgt Ion: 98 Resp: 406134

Ion Ratio Lower Upper

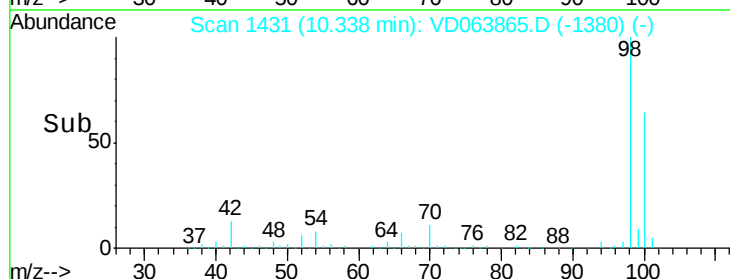
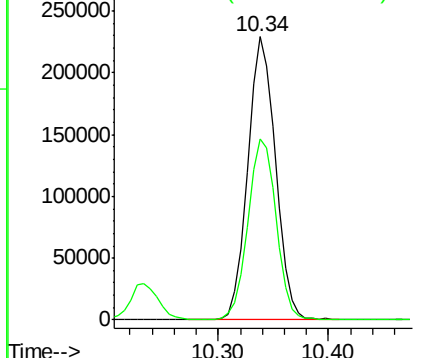
98 100

100 65.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 243.534 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 311911

Ion Ratio Lower Upper

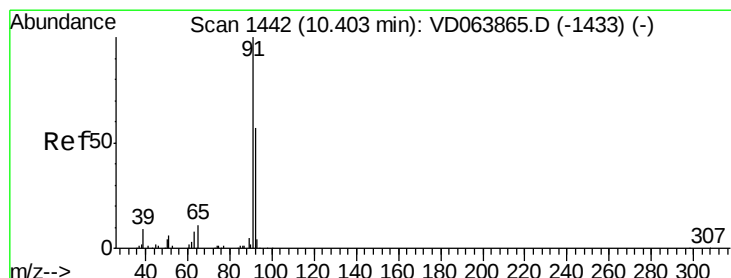
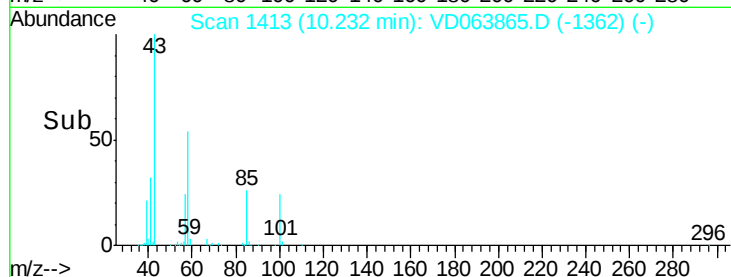
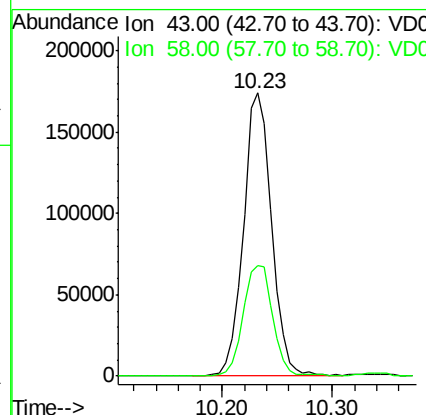
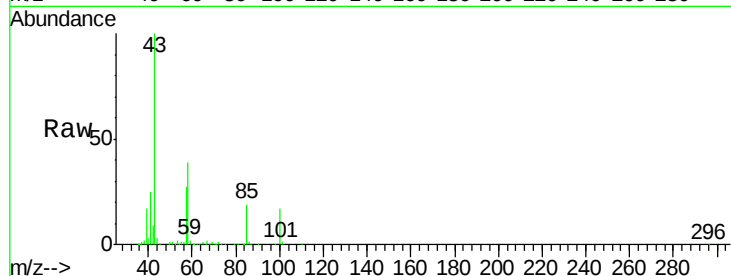
43 100

58 41.2 33.0 49.4

Manual Integrations
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#52

Toluene

Concen: 50.821 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD063865.D

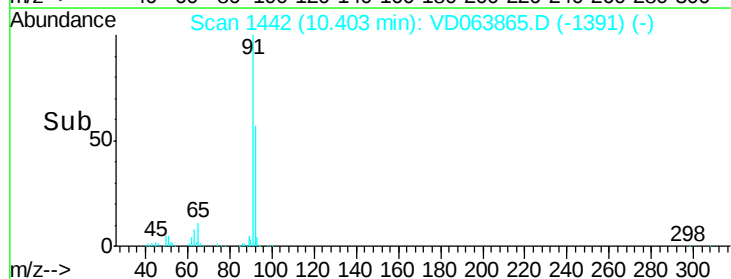
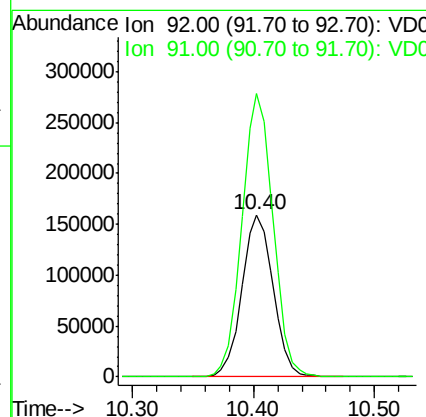
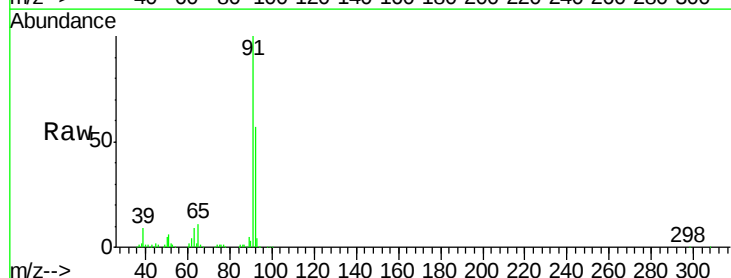
Acq: 02 Oct 2019 17:44

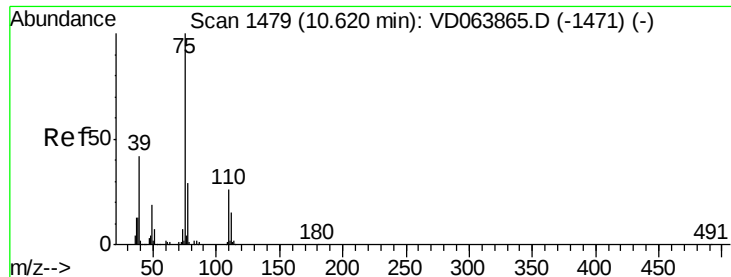
Tgt Ion: 92 Resp: 287124

Ion Ratio Lower Upper

92 100

91 174.4 139.5 209.3





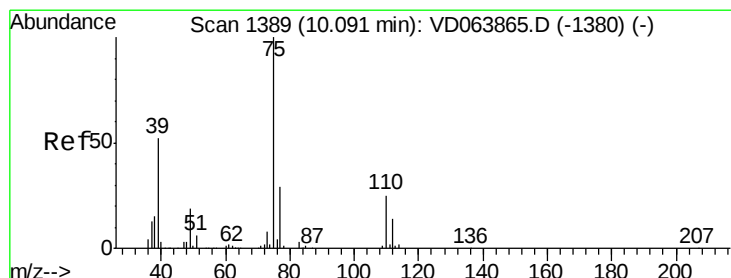
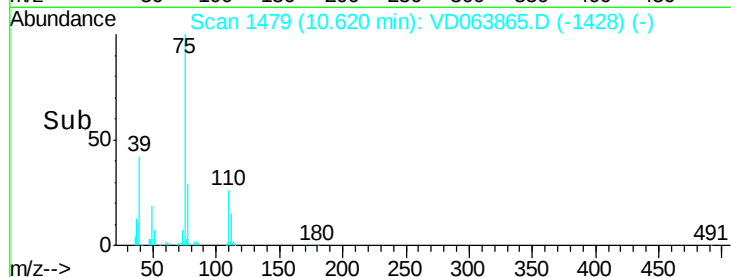
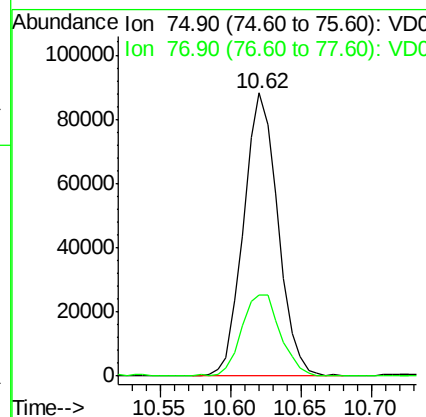
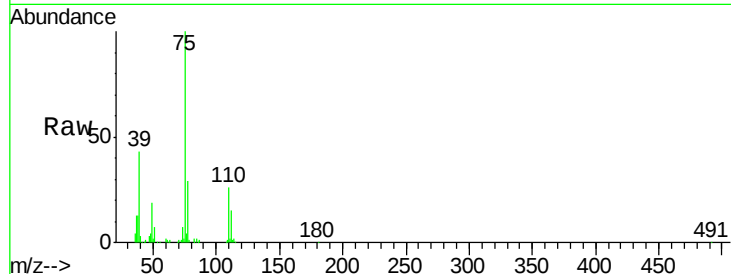
#53
t-1,3-Dichloropropene
Concen: 50.863 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 150701
Ion Ratio Lower Upper
75 100
77 28.5 22.8 34.2

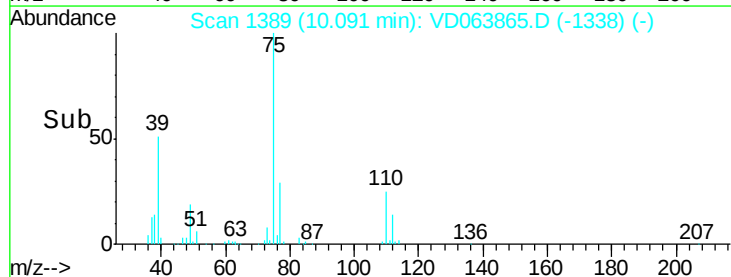
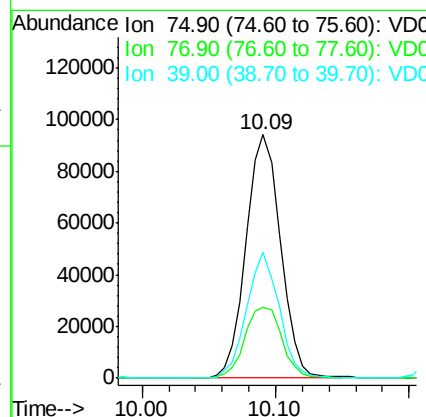
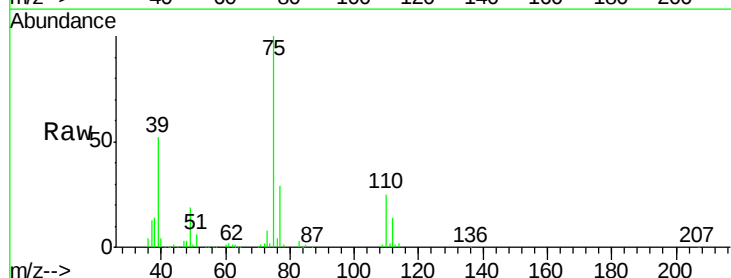
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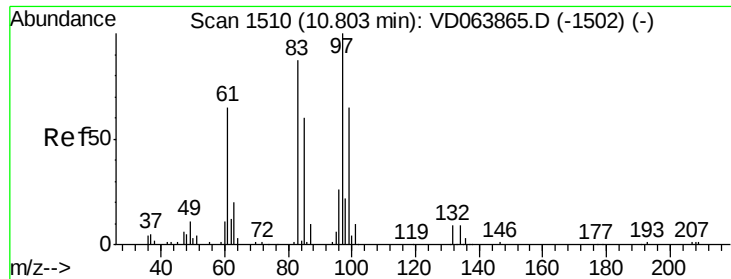
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#54
cis-1,3-Dichloropropene
Concen: 50.210 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion: 75 Resp: 168469
Ion Ratio Lower Upper
75 100
77 29.0 23.2 34.8
39 51.9 41.5 62.3





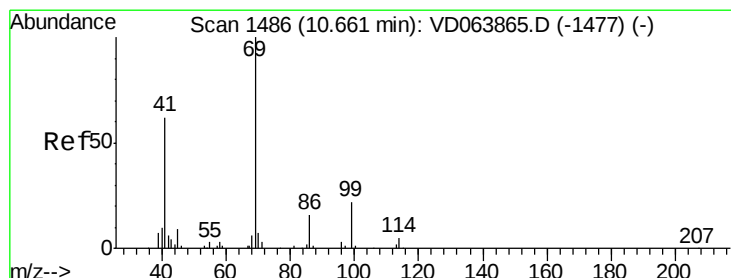
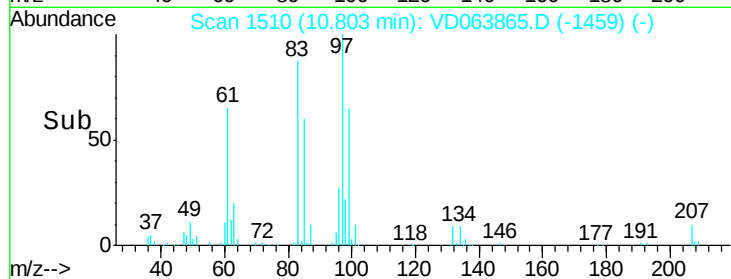
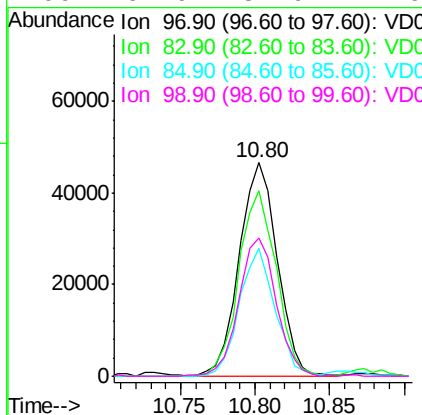
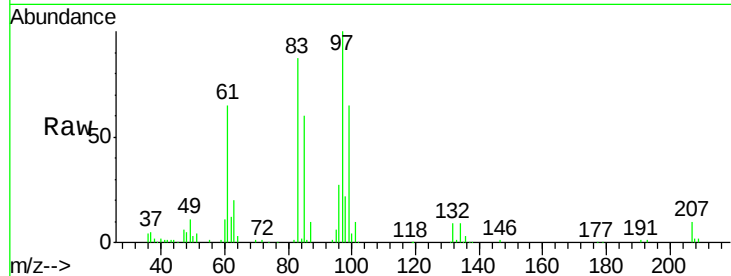
#55
 1,1,2-Trichloroethane
 Concen: 50.350 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.7	104.5
85	60.1	48.1	72.1
99	64.9	51.9	77.9

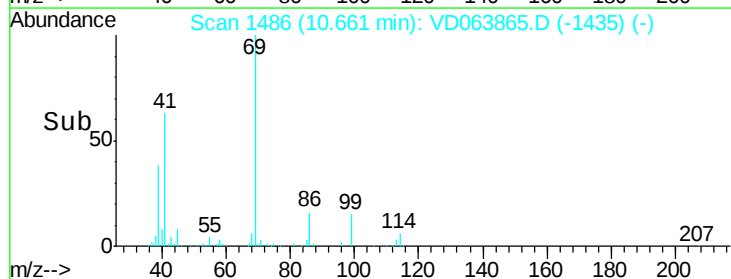
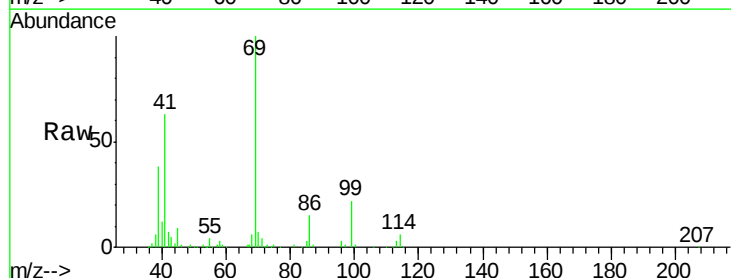
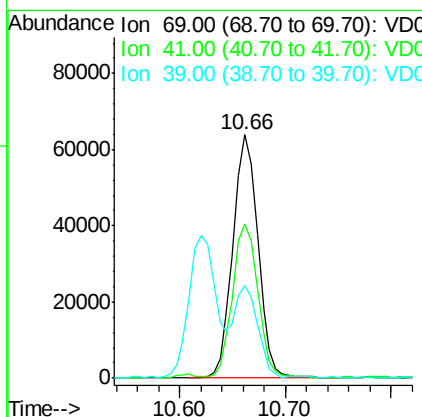
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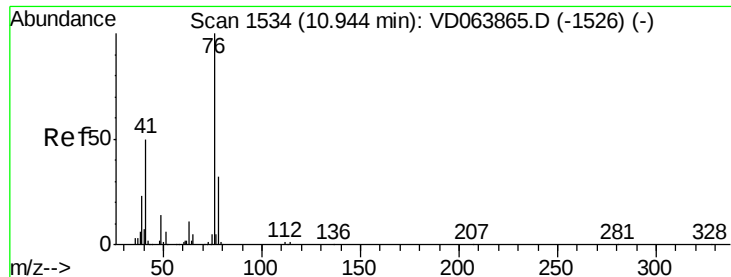
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#56
 Ethyl methacrylate
 Concen: 50.352 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.3	76.9
39	35.0	28.0	42.0





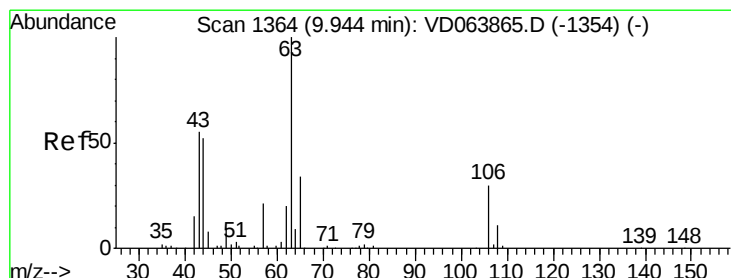
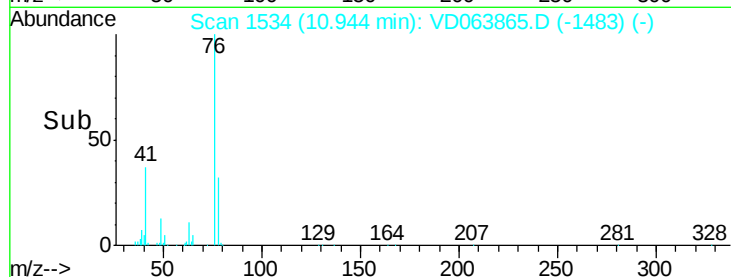
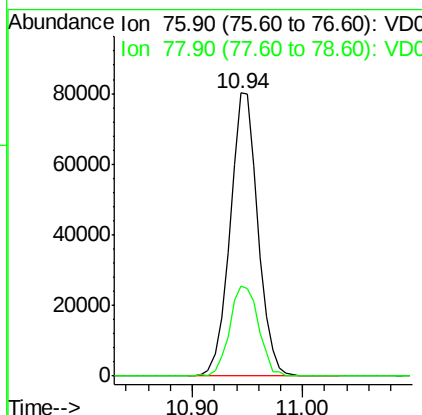
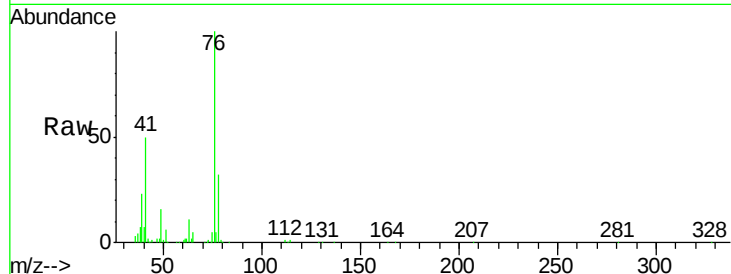
#57
 1,3-Dichloropropane
 Concen: 50.633 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.6	40.0

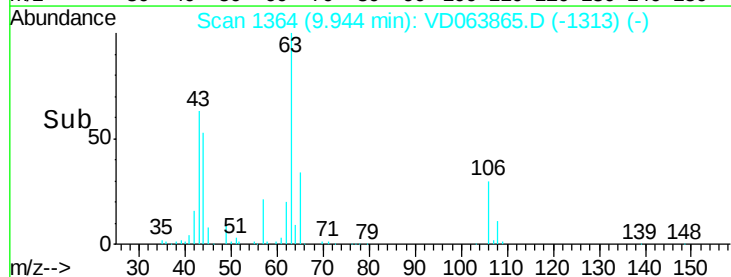
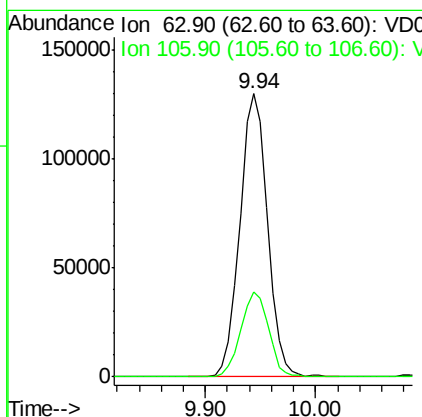
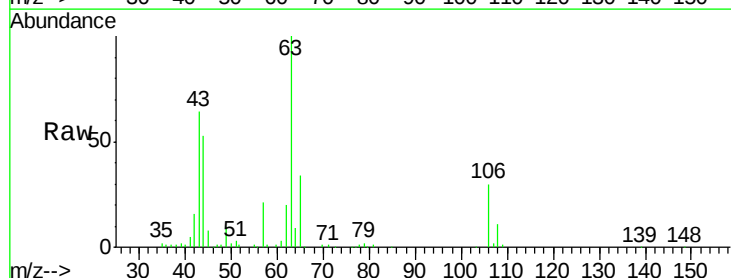
Manual Integrations
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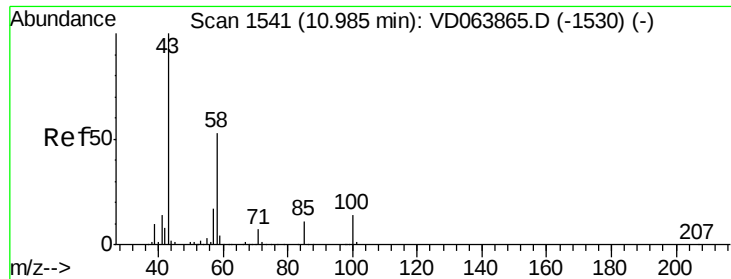
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 10/3/2019 12:55:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.158 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	24.3	36.5





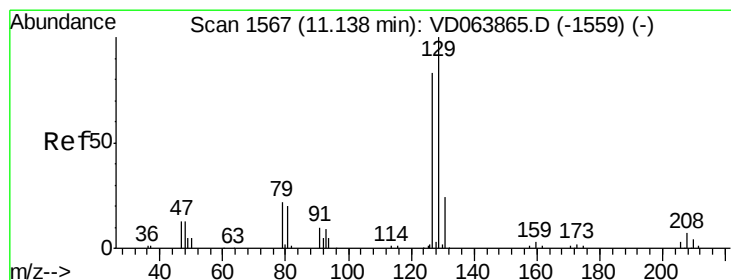
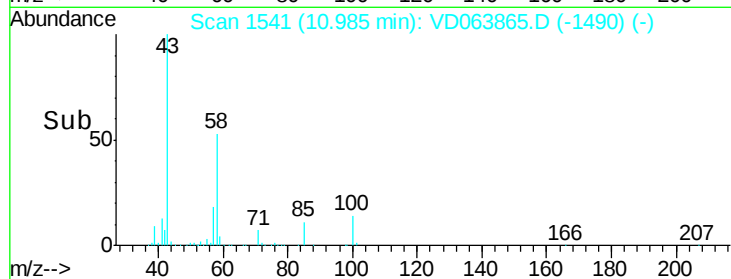
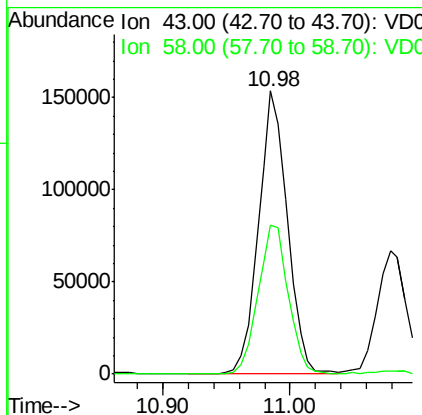
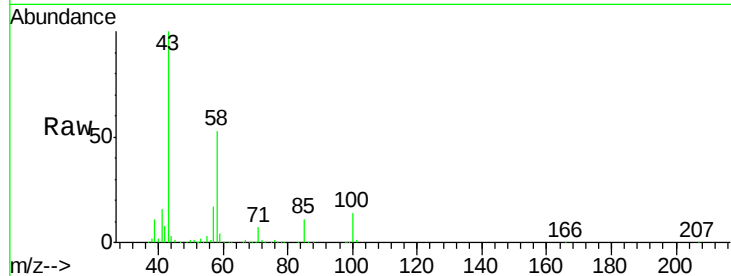
#59
2-Hexanone
Concen: 262.437 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 243756
Ion Ratio Lower Upper
43 100
58 55.3 27.7 83.0

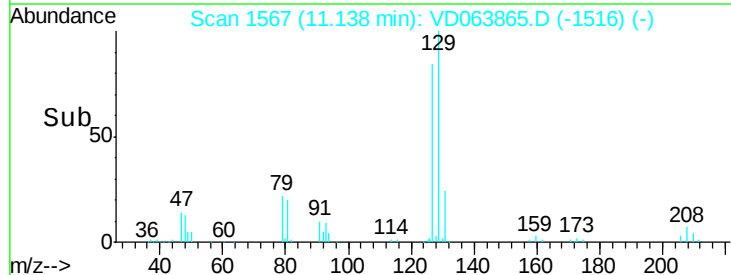
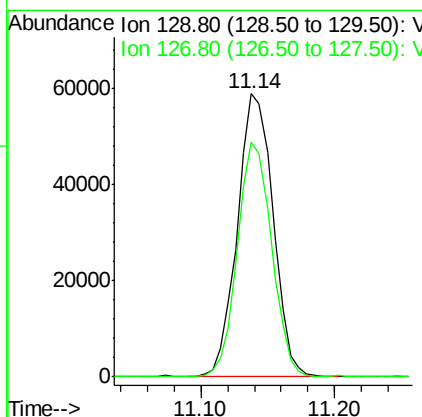
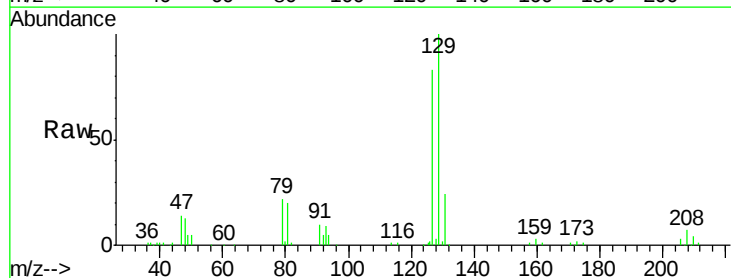
Manual Integrations
APPROVED

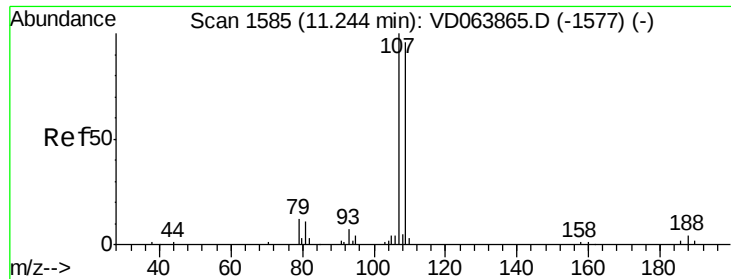
MMDadoda
10/3/2019 12:55:24 PM



#60
Dibromochloromethane
Concen: 50.308 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion:129 Resp: 108822
Ion Ratio Lower Upper
129 100
127 79.7 39.9 119.6





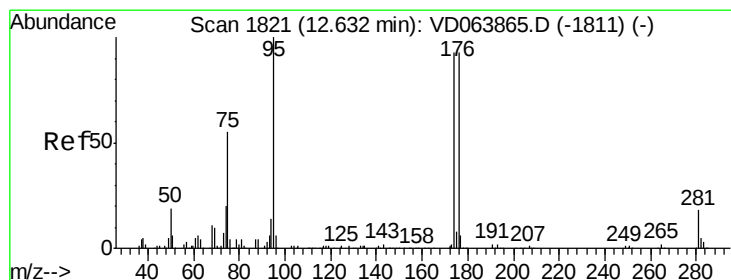
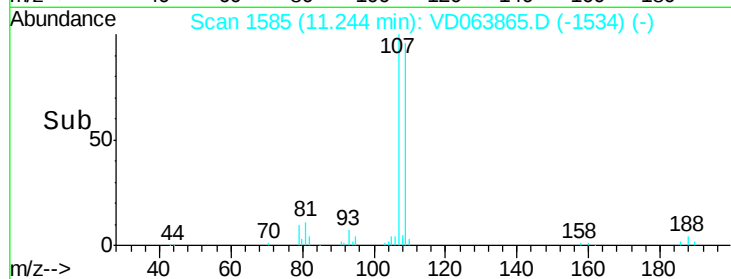
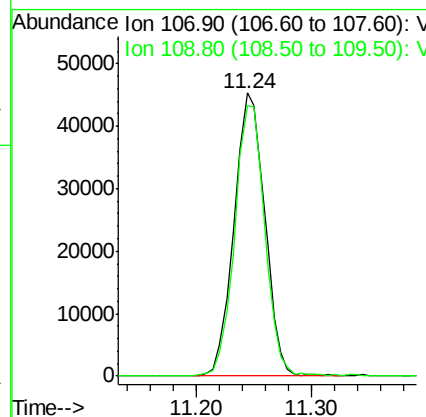
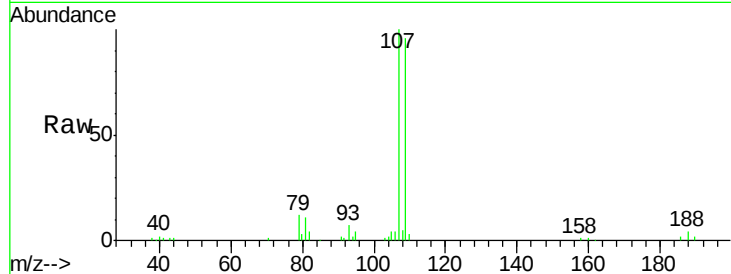
#61
 1,2-Dibromoethane
 Concen: 50.866 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.2	112.8

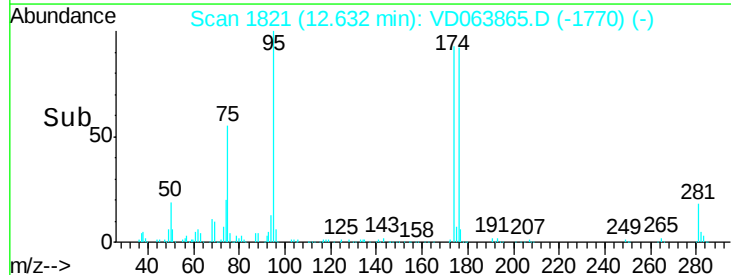
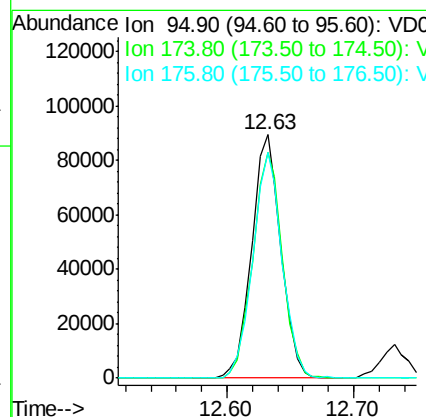
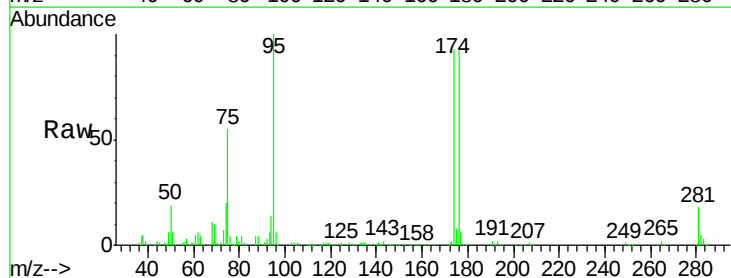
Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:55:24 PM



#62
 4-Bromofluorobenzene
 Concen: 50.542 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	0.0	186.4
176	92.1	0.0	184.2





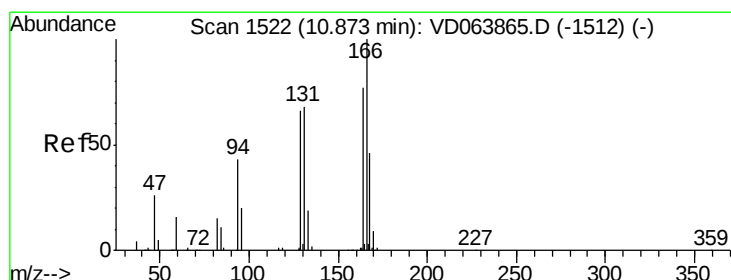
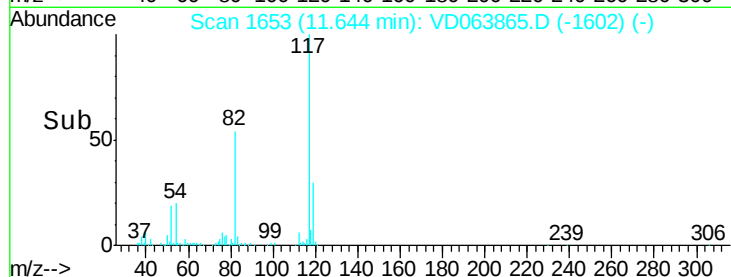
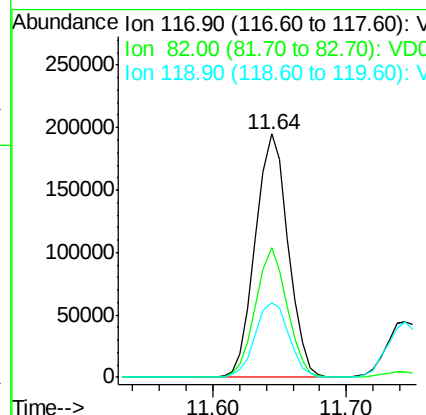
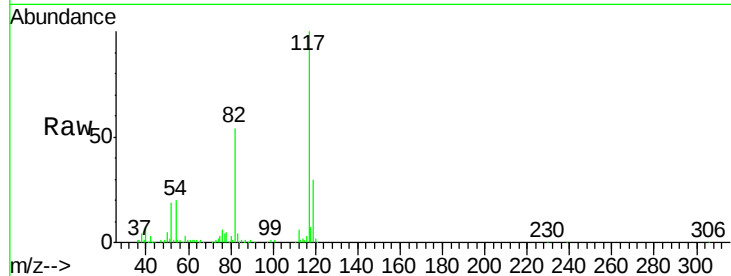
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	330483		
82	53.5	42.8	64.2	
119	30.5	24.4	36.6	

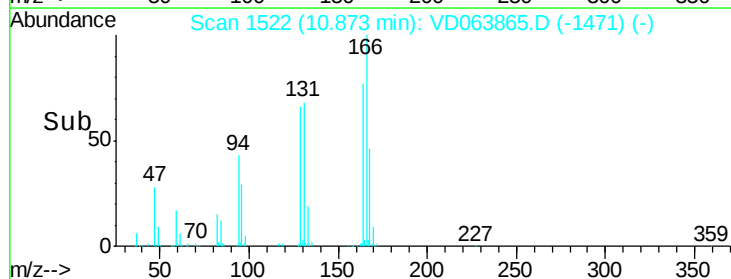
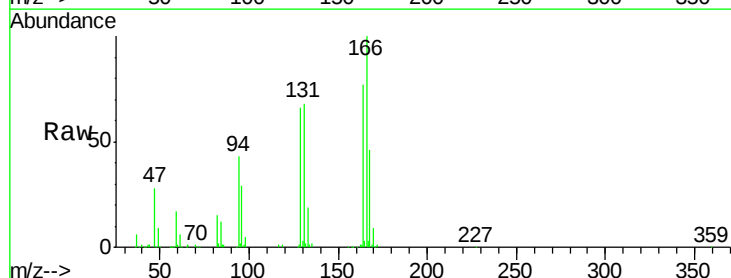
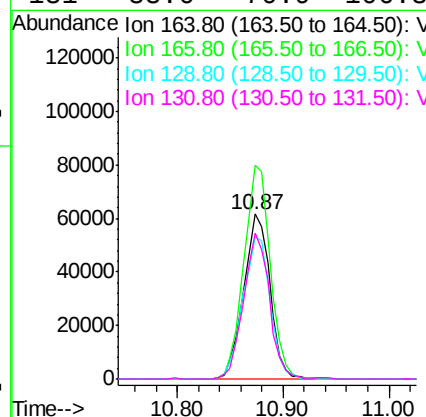
Manual Integrations
APPROVED

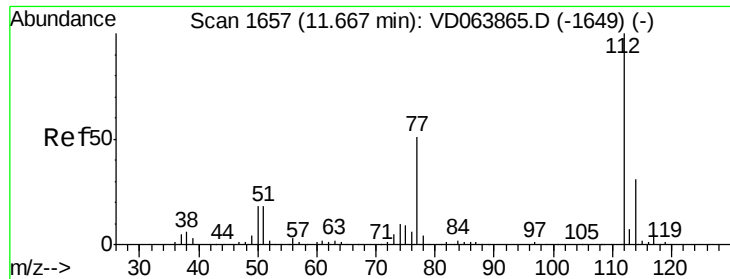
MMDadoda
10/3/2019 12:55:24 PM



#64
Tetrachloroethene
Concen: 48.170 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106230		
166	129.7	103.8	155.6	
129	86.1	68.9	103.3	
131	88.6	70.9	106.3	





#65

Chlorobenzene

Concen: 49.535 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 327549

Ion Ratio Lower Upper

112 100

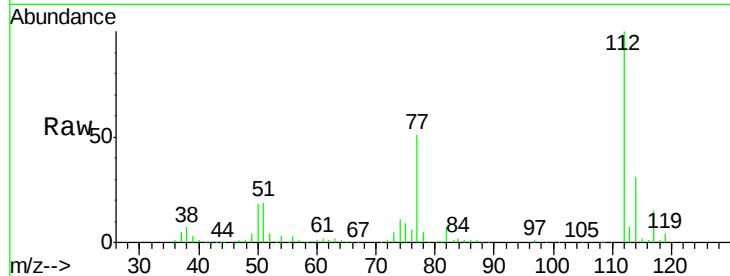
114 31.4 25.1 37.7

Manual Integrations

APPROVED

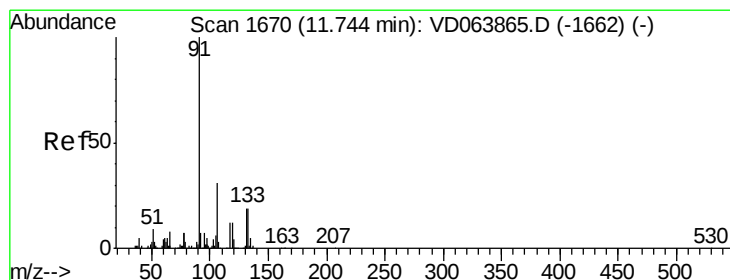
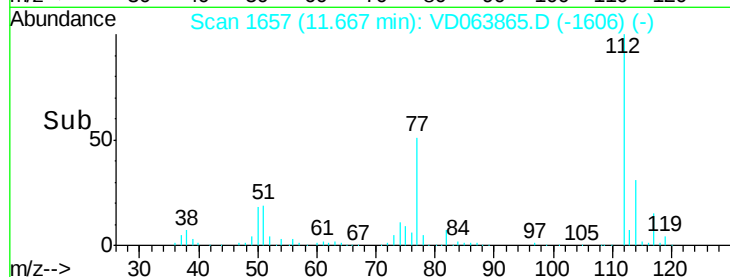
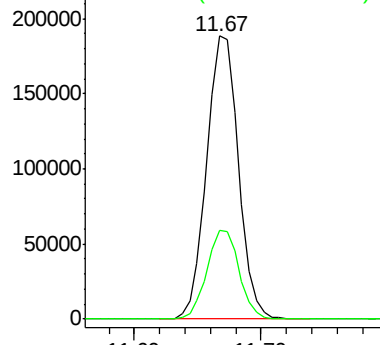
MMDadoda

10/3/2019 12:55:24 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.925 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

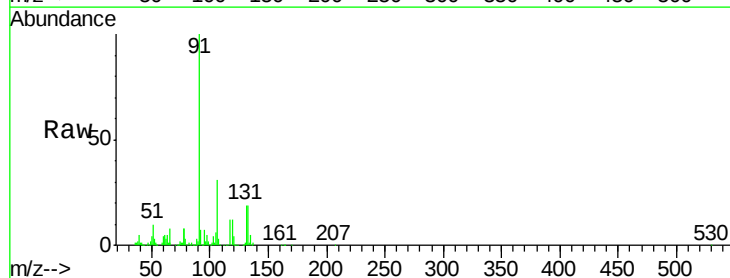
Tgt Ion:131 Resp: 118697

Ion Ratio Lower Upper

131 100

133 97.8 48.9 146.7

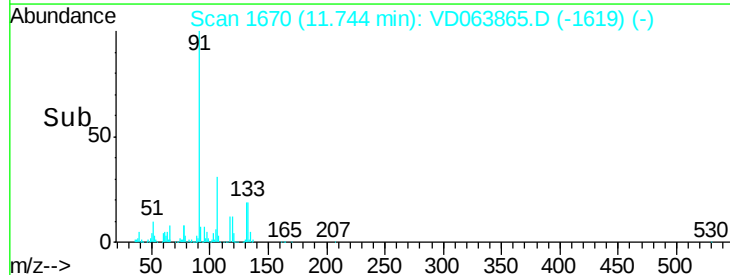
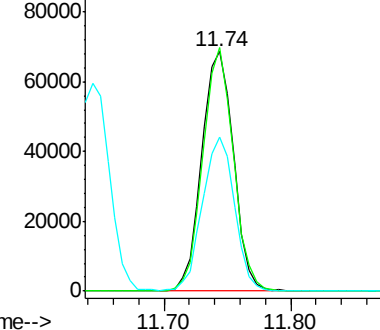
119 65.2 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.630 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleID :

VSTDICCC050

Tot Ion: 91 Resp: 577910

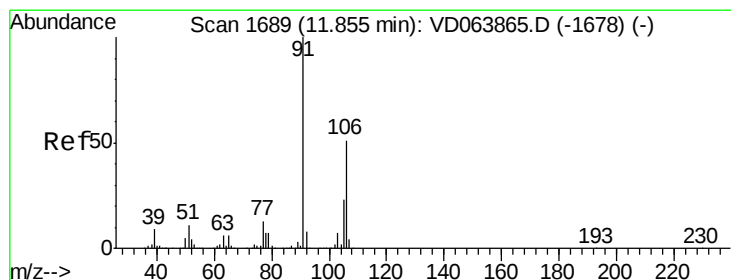
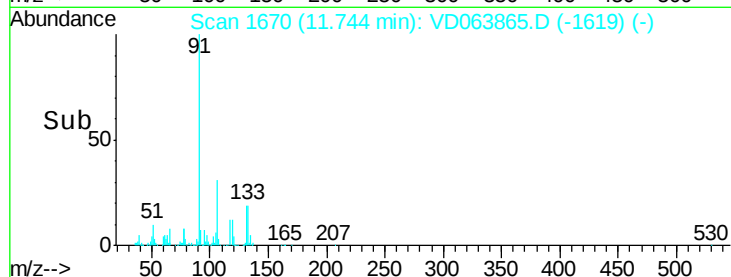
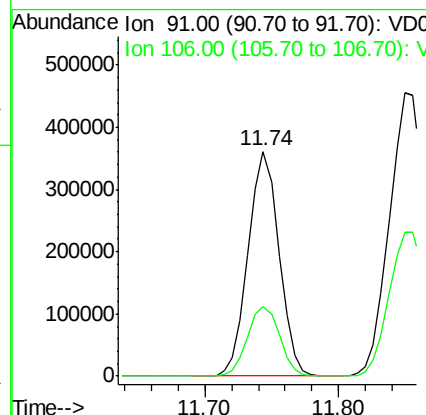
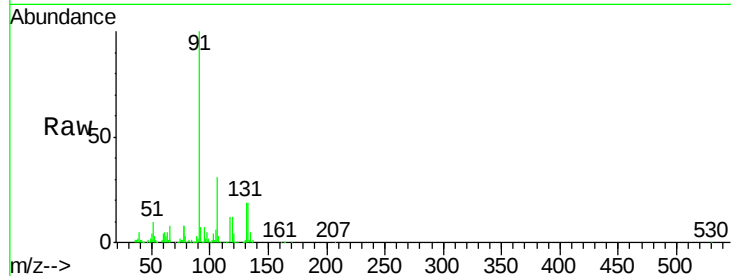
Ion Ratio Lower Upper

91 100

106 30.8 24.6 37.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 99.241 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD063865.D

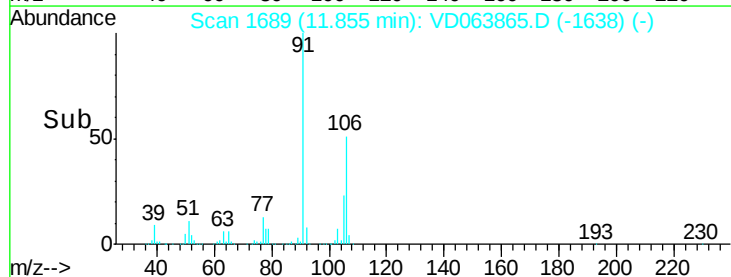
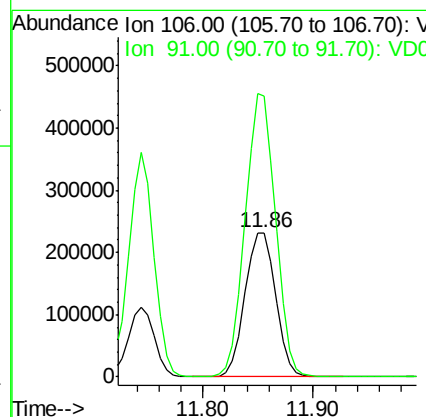
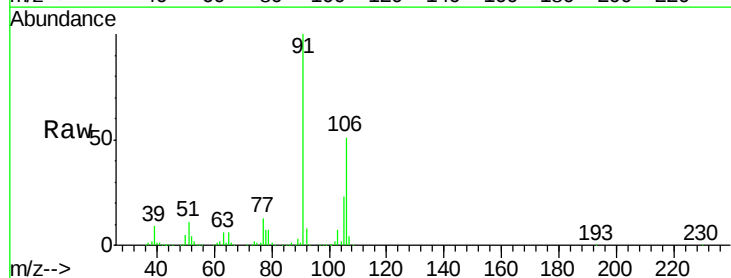
Acq: 02 Oct 2019 17:44

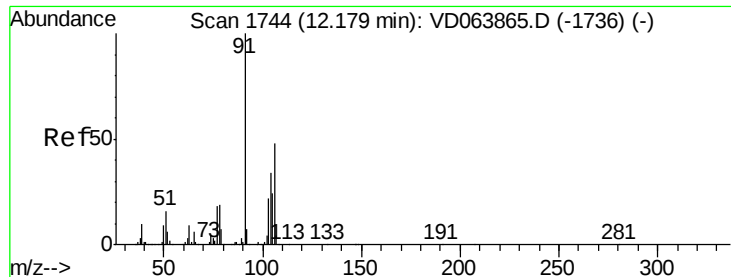
Tgt Ion: 106 Resp: 455154

Ion Ratio Lower Upper

106 100

91 193.5 154.8 232.2





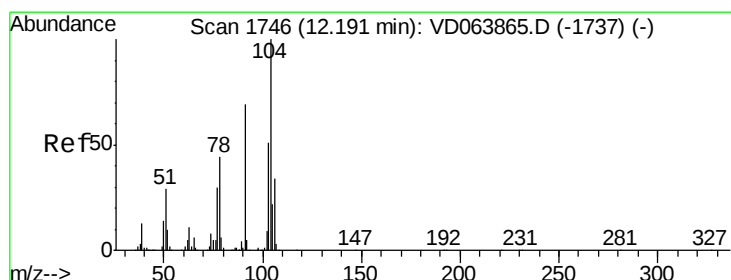
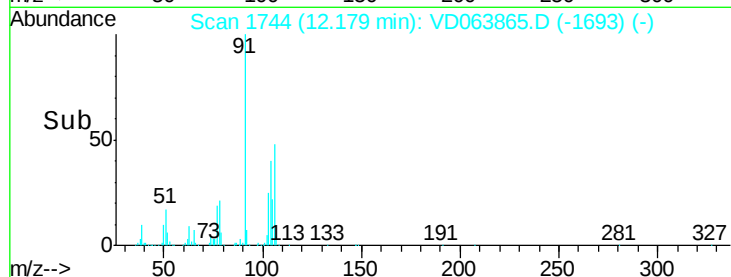
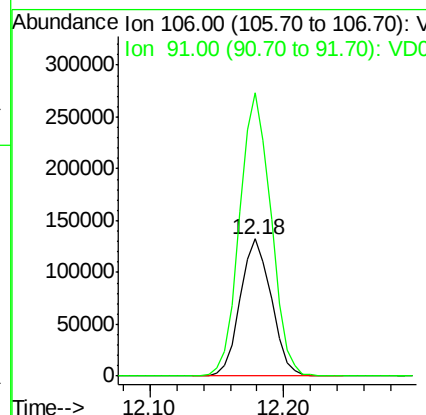
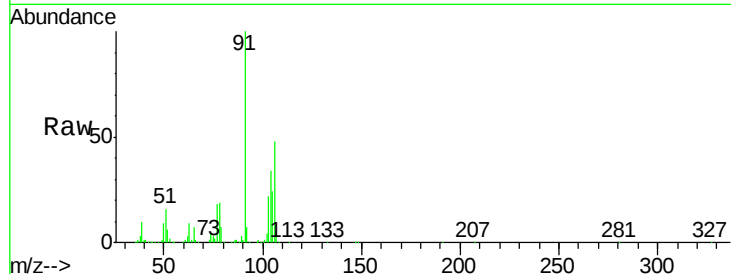
#69
o-Xylene
Concen: 49.595 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.8	103.9	311.7

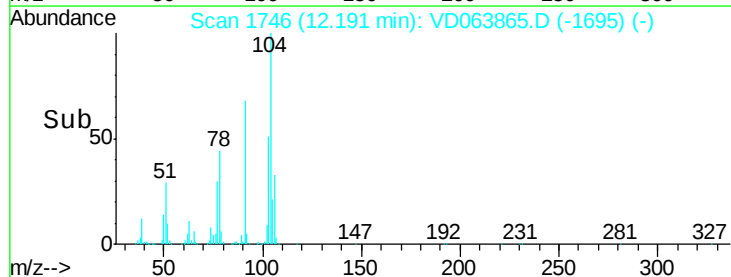
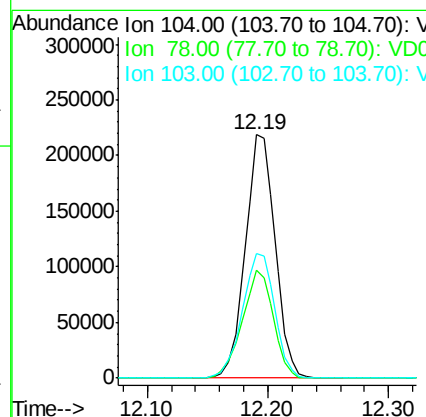
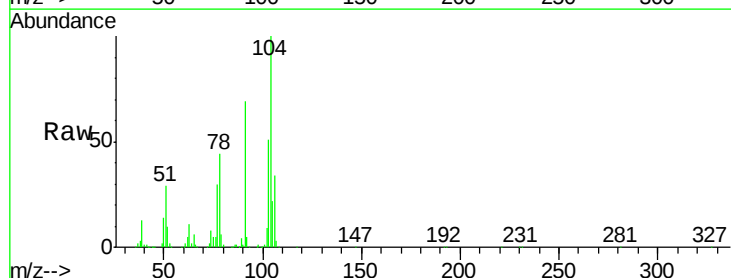
Manual Integrations
APPROVED

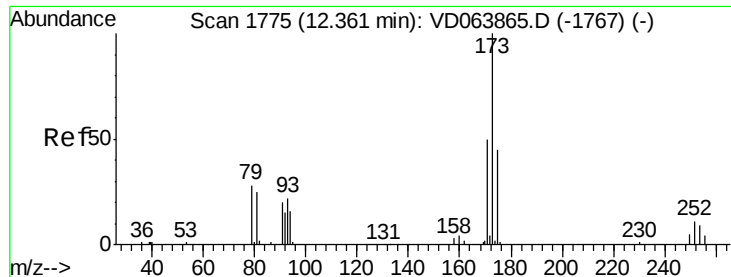
MMDadoda
10/3/2019 12:55:24 PM



#70
Styrene
Concen: 51.413 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.2	37.0	55.4
103	55.3	44.2	66.4





#71

Bromoform

Concen: 50.287 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 67471

Ion Ratio Lower Upper

173 100

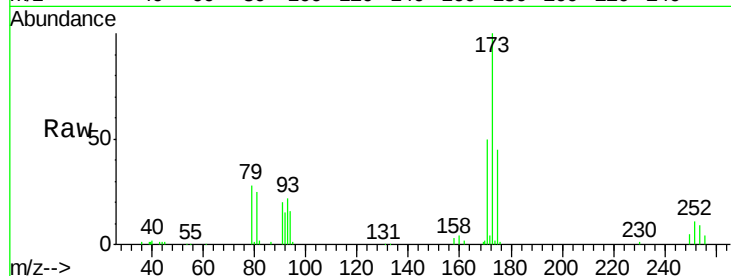
175 49.3 24.6 74.0

254 0.0 0.0 0.0

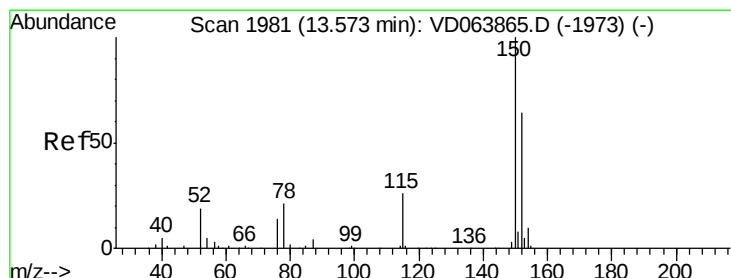
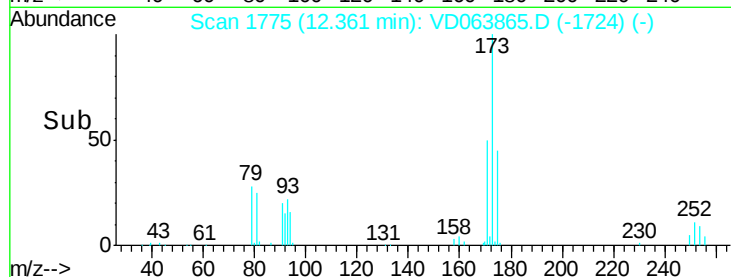
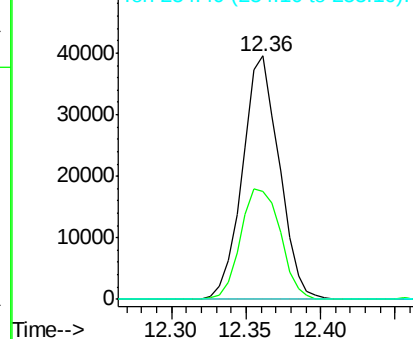
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

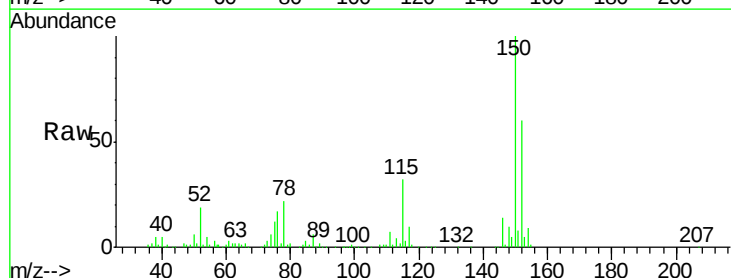
Tgt Ion:152 Resp: 180294

Ion Ratio Lower Upper

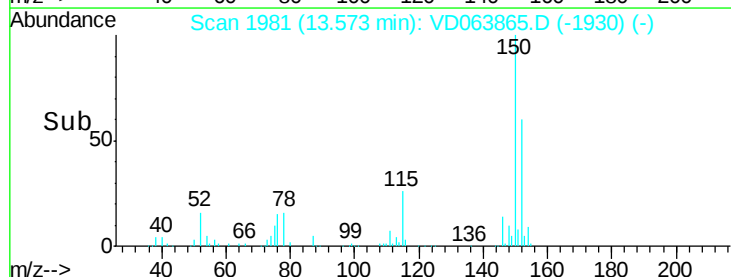
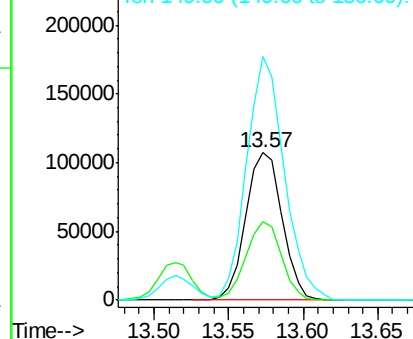
152 100

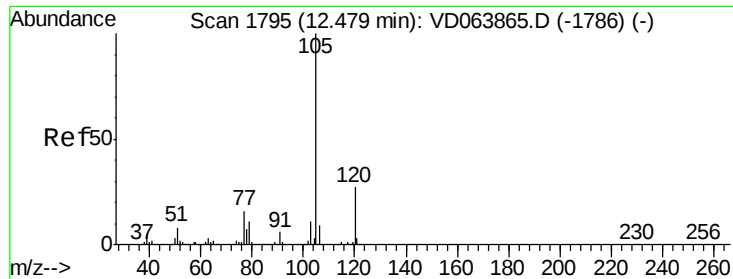
115 51.8 25.9 77.7

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: 47.365 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 577607

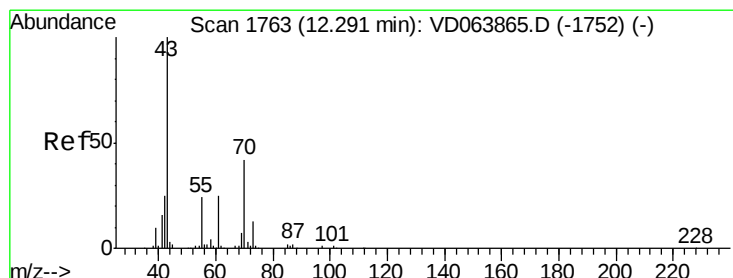
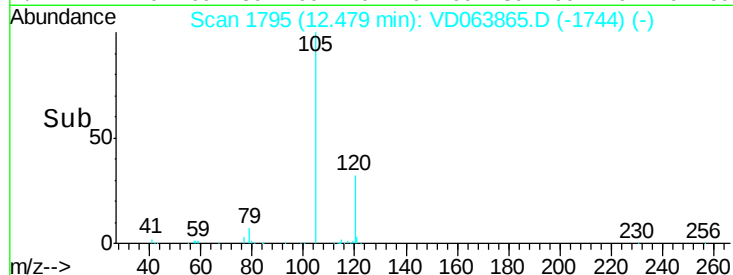
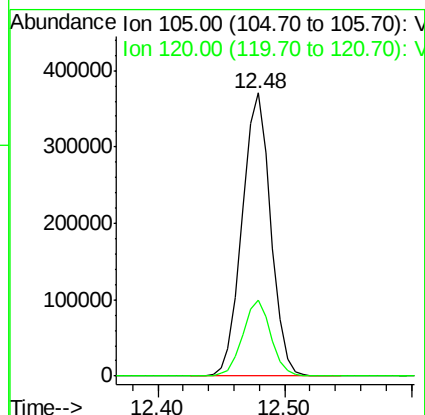
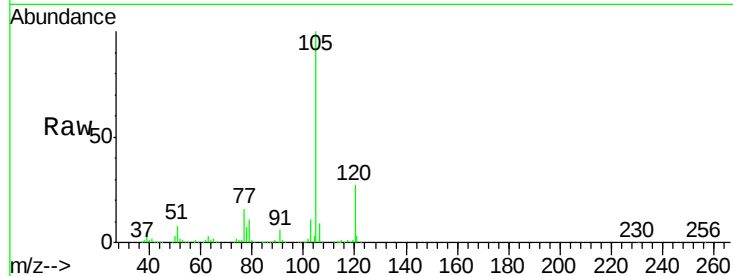
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 45.296 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Tgt Ion: 43 Resp: 121299

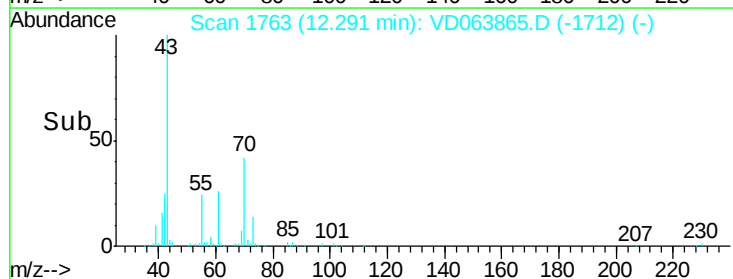
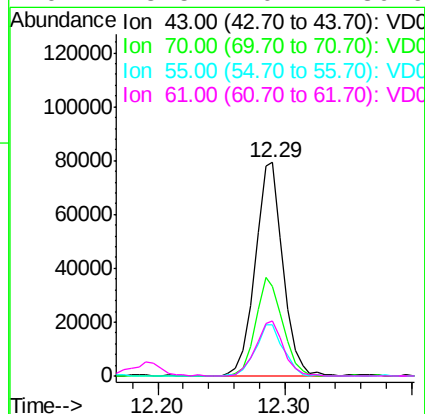
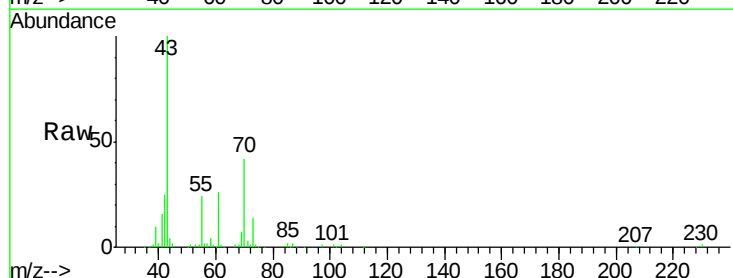
Ion Ratio Lower Upper

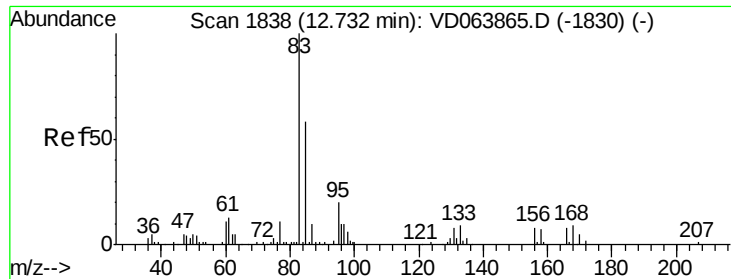
43 100

70 44.7 35.8 53.6

55 24.2 19.4 29.0

61 25.5 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.720 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

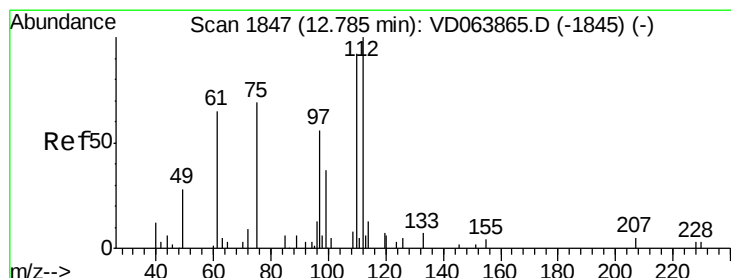
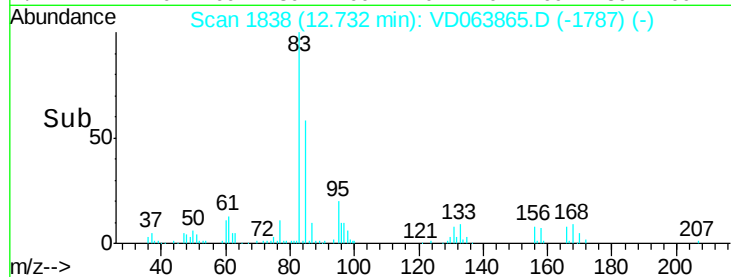
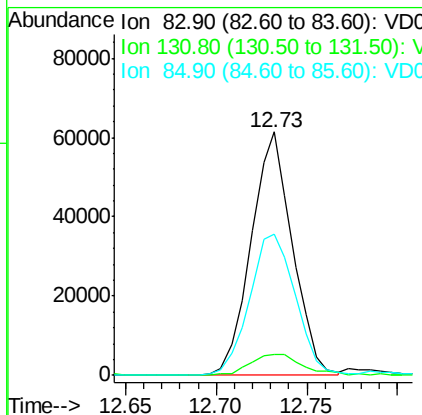
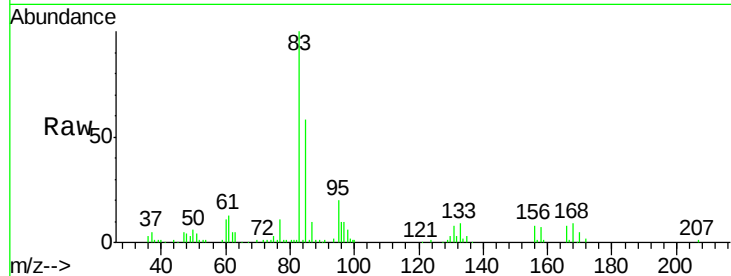
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	97392
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.533 ug/l m

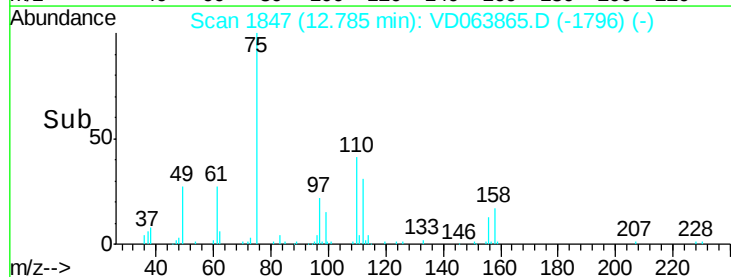
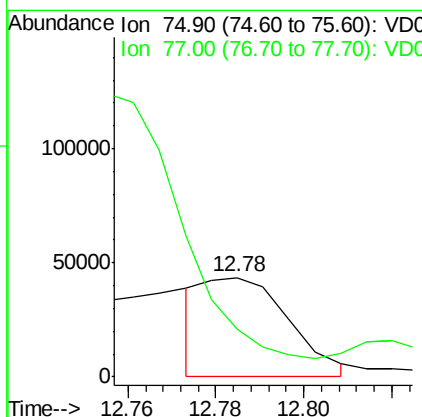
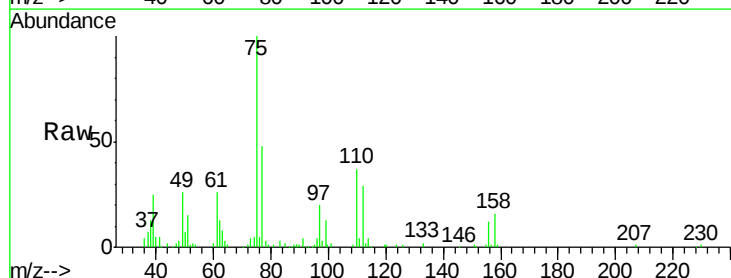
RT: 12.78 min Scan# 1847

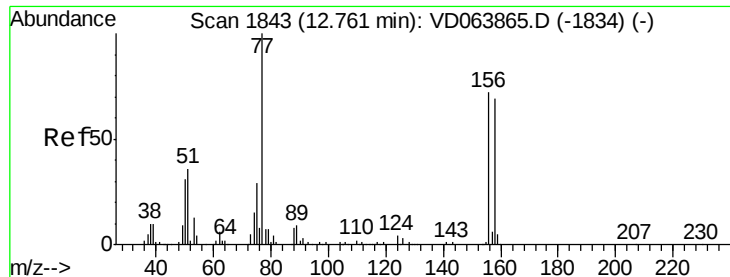
Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Tgt Ion:	75	Resp:	59189
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.145 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 144815

Ion Ratio Lower Upper

156 100

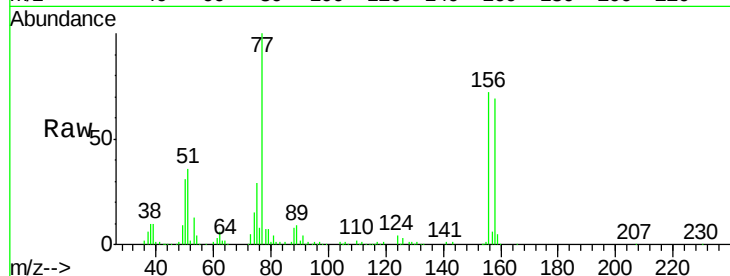
77 160.7 80.3 241.0

158 94.8 47.4 142.2

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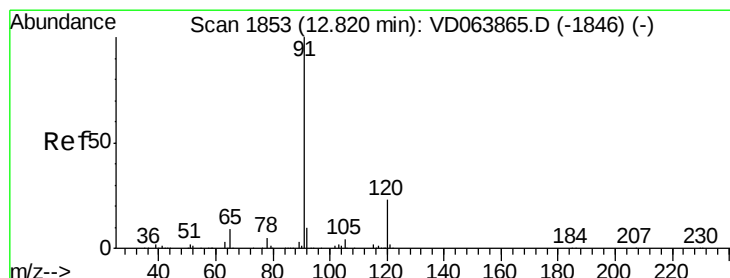
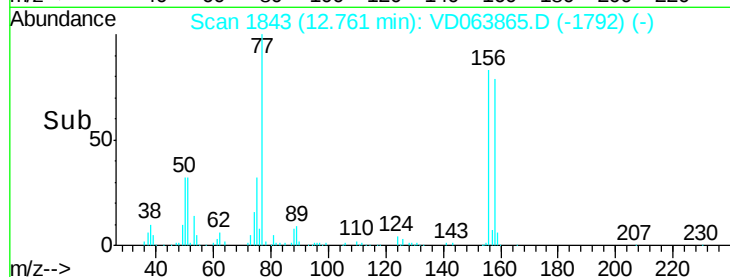
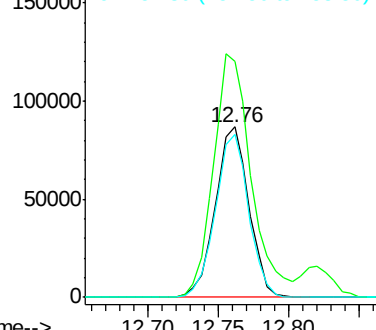
10/3/2019 12:55:24 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.381 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD063865.D

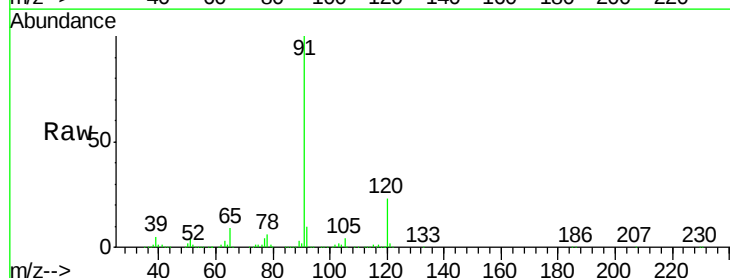
Acq: 02 Oct 2019 17:44

Tgt Ion: 91 Resp: 680367

Ion Ratio Lower Upper

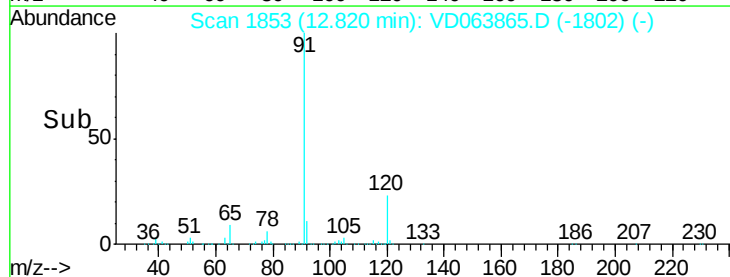
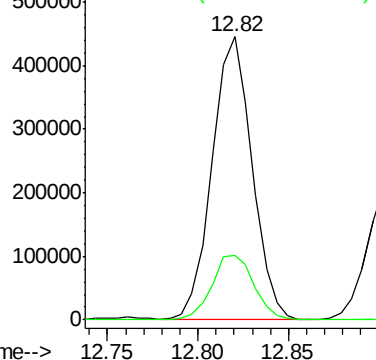
91 100

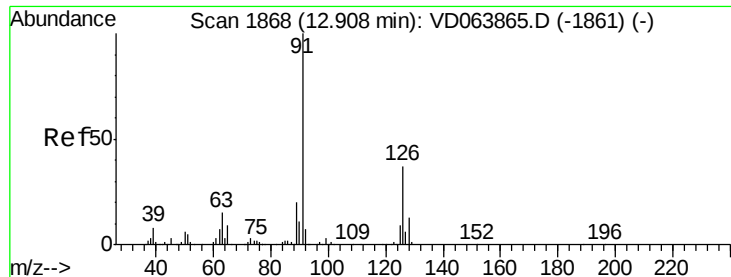
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.202 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 372913

Ion Ratio Lower Upper

91 100

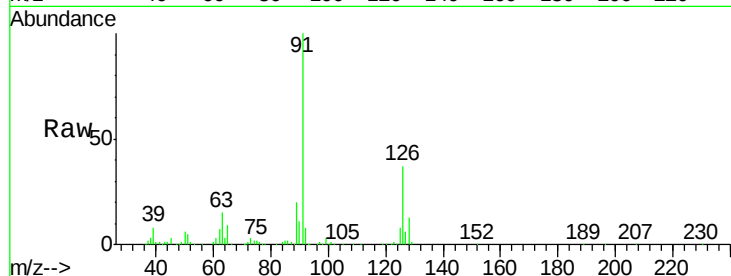
126 36.8 18.4 55.2

Manual Integrations

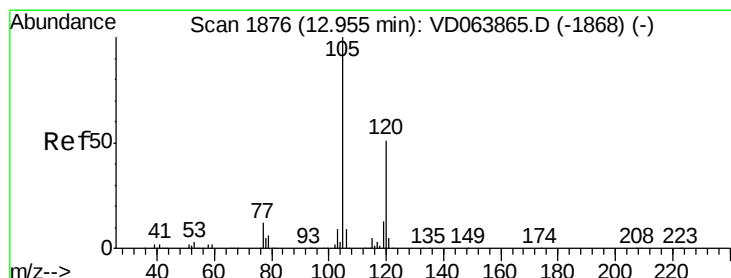
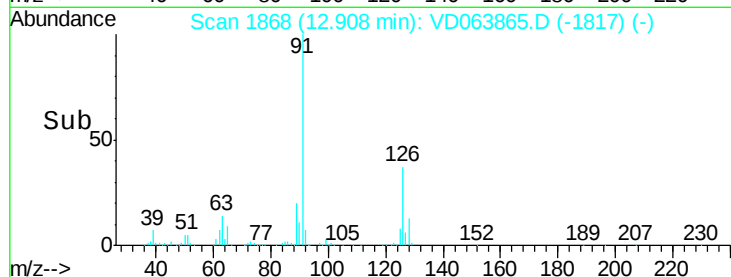
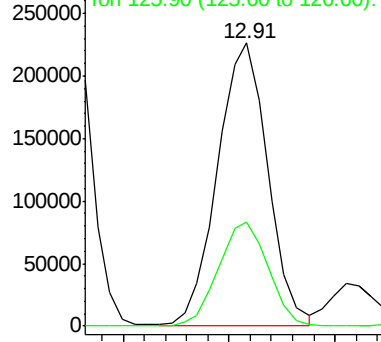
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 47.967 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. 0.00 min

Lab File: VD063865.D

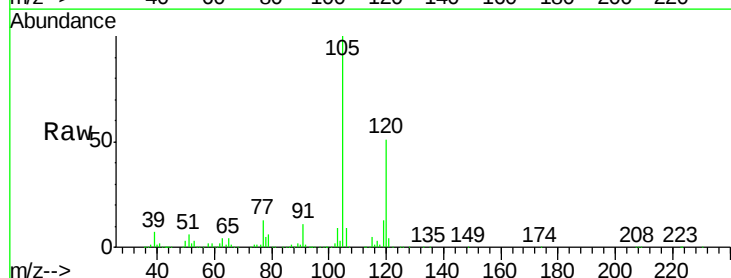
Acq: 02 Oct 2019 17:44

Tgt Ion: 105 Resp: 487329

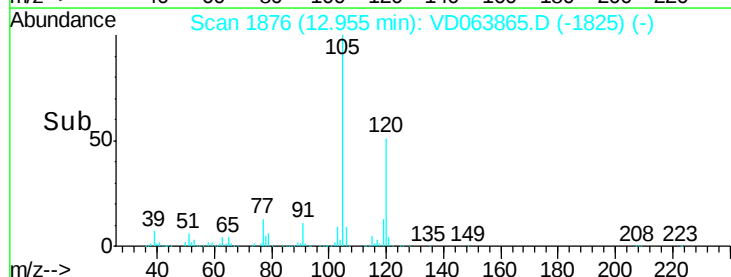
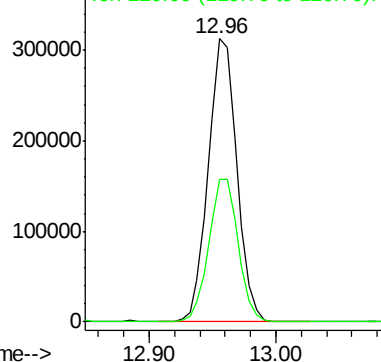
Ion Ratio Lower Upper

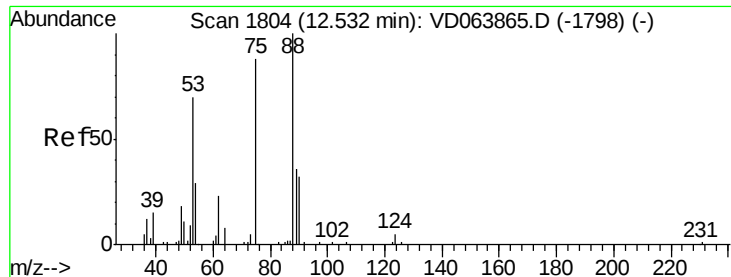
105 100

120 51.9 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.233 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD063865.D

Acq: 02 Oct 2019 17:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 32232

Ion Ratio Lower Upper

75 100

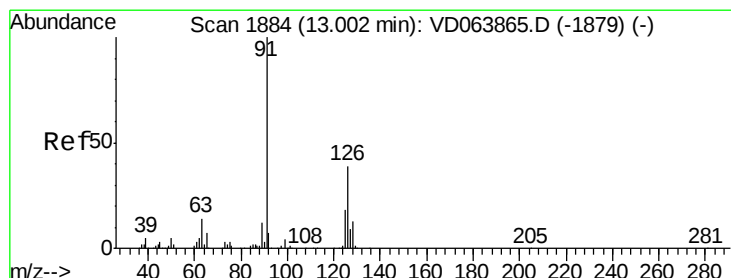
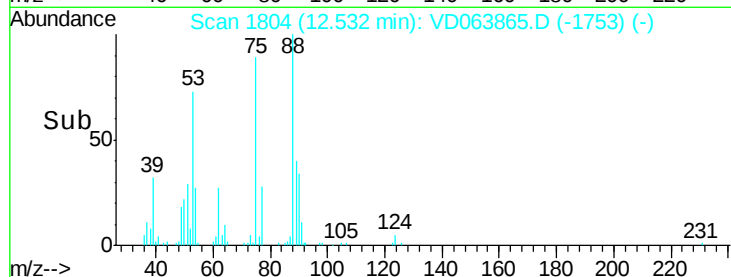
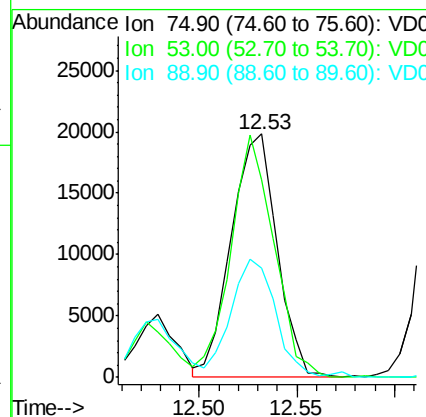
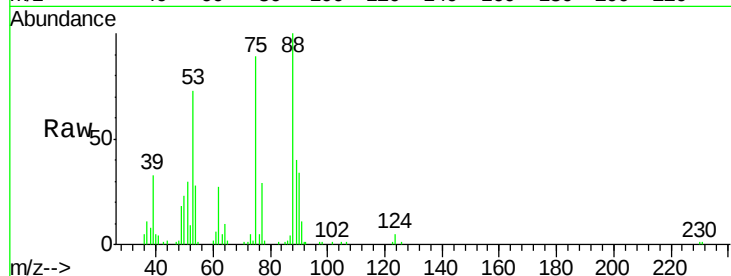
53 93.8 75.0 112.6

89 47.8 38.2 57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.975 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VD063865.D

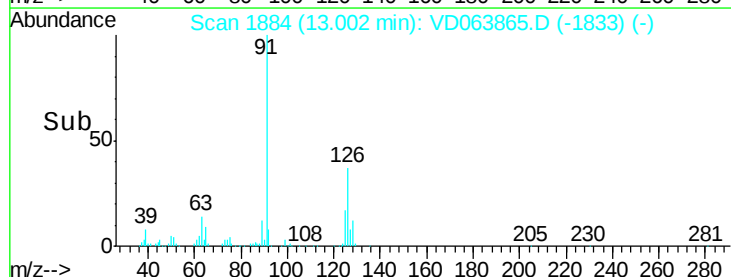
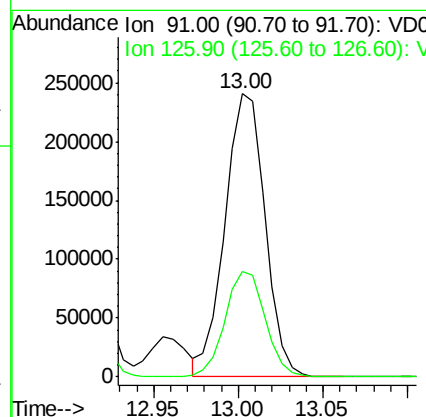
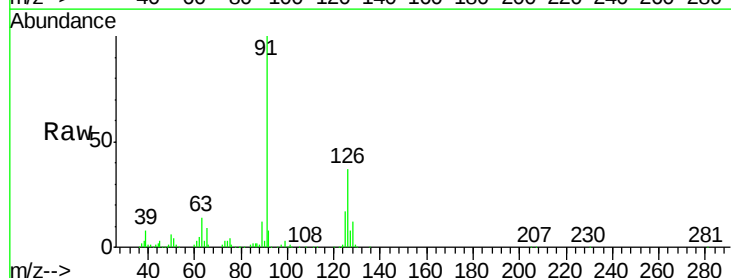
Acq: 02 Oct 2019 17:44

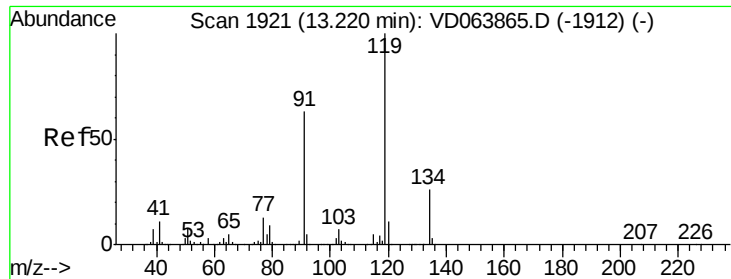
Tgt Ion: 91 Resp: 397360

Ion Ratio Lower Upper

91 100

126 37.2 18.6 55.8





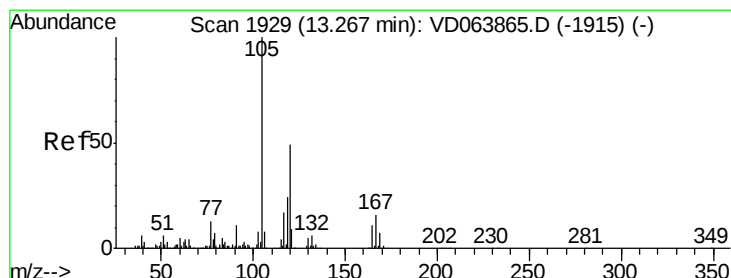
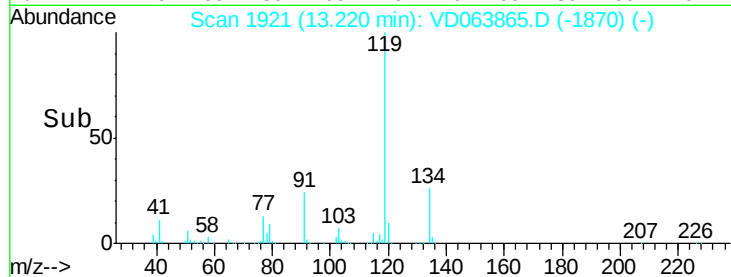
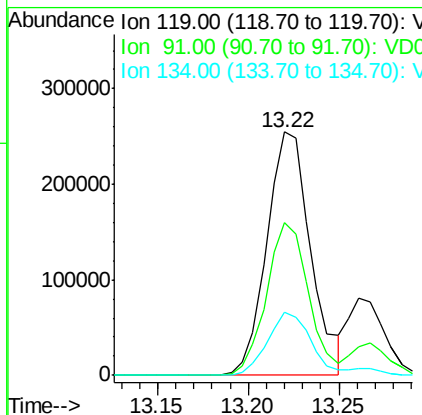
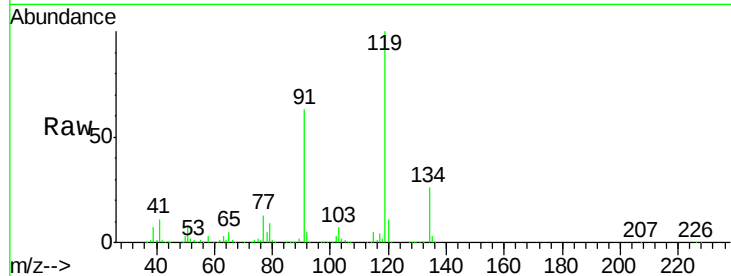
#83
tert-Butylbenzene
Concen: 48.278 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.0	90.0
134	25.9	13.0	38.9

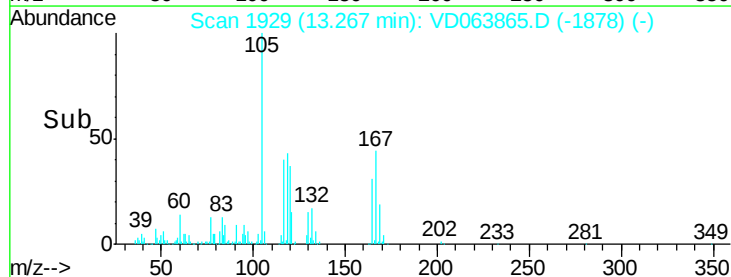
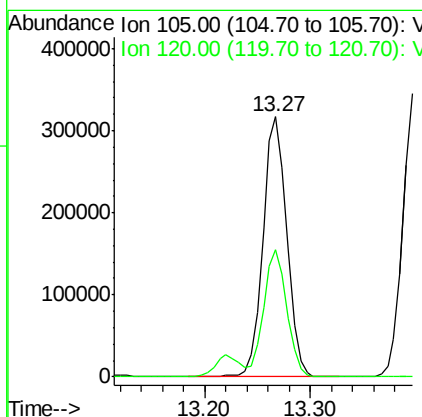
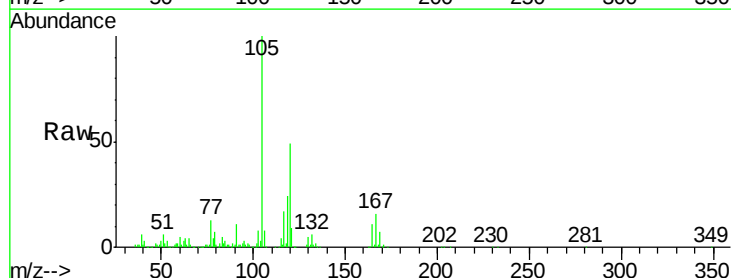
Manual Integrations
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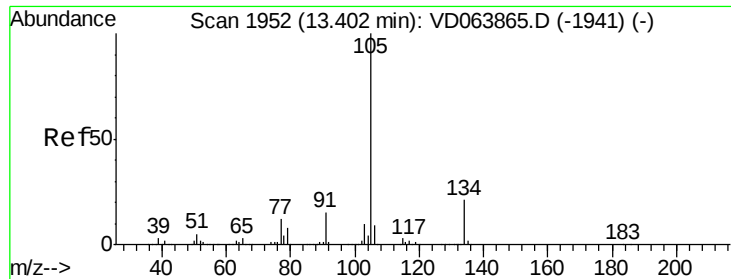
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#84
1,2,4-Trimethylbenzene
Concen: 48.167 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5





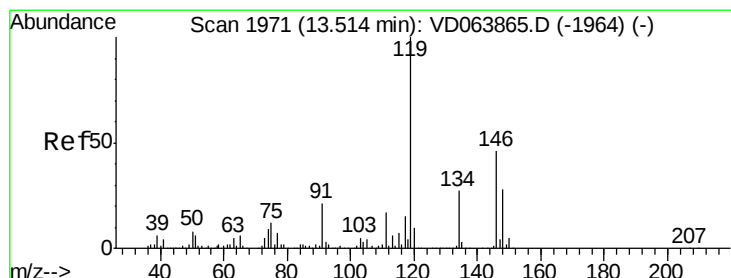
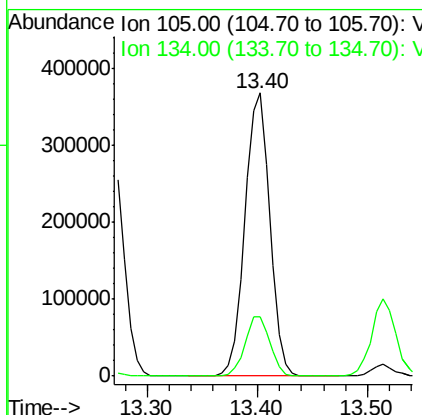
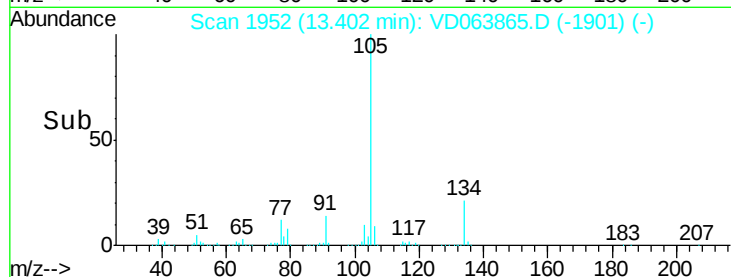
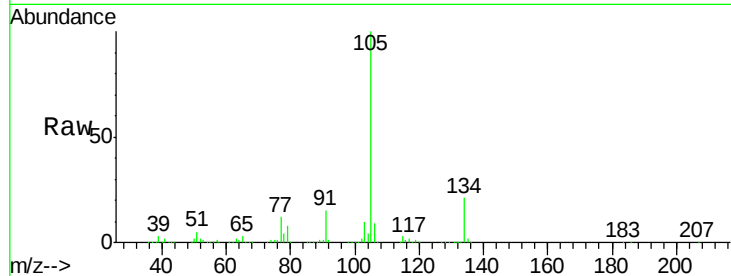
#85
 sec-Butylbenzene
 Concen: 47.368 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.6	31.8

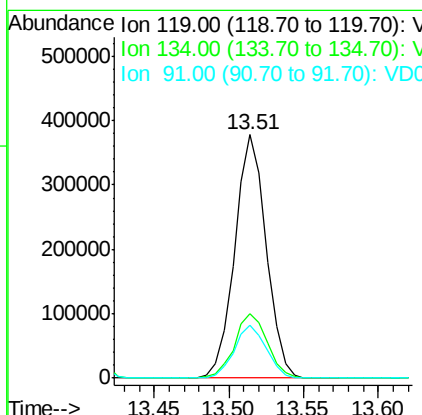
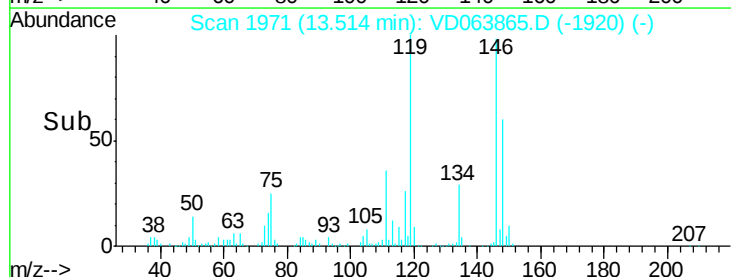
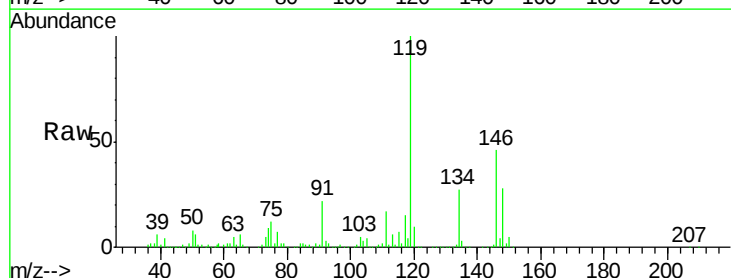
Manual Integrations
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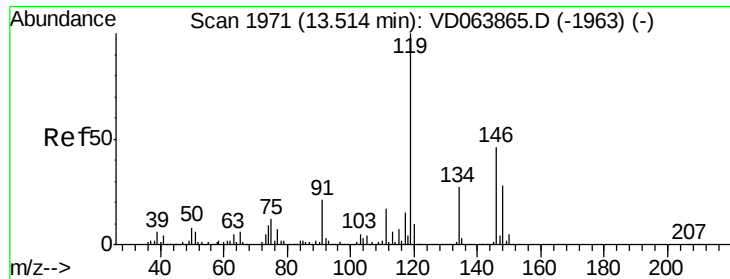
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#86
 p-Isopropyltoluene
 Concen: 47.865 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.9	41.6
91	22.3	11.2	33.5





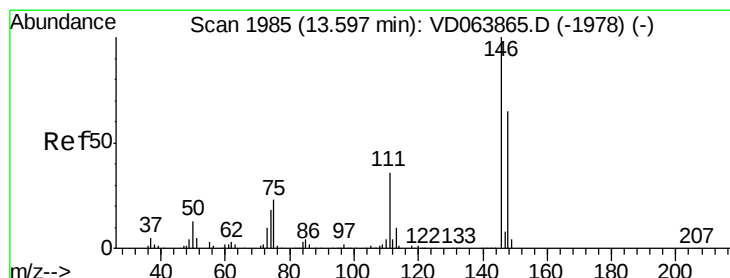
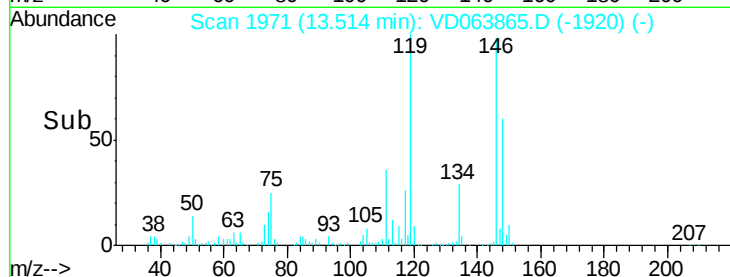
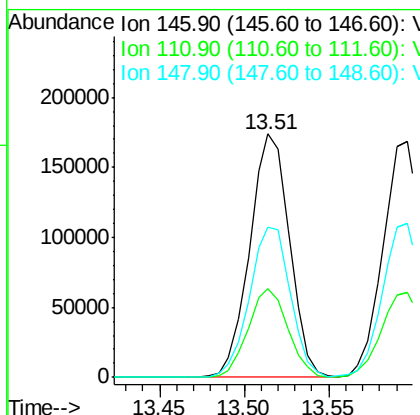
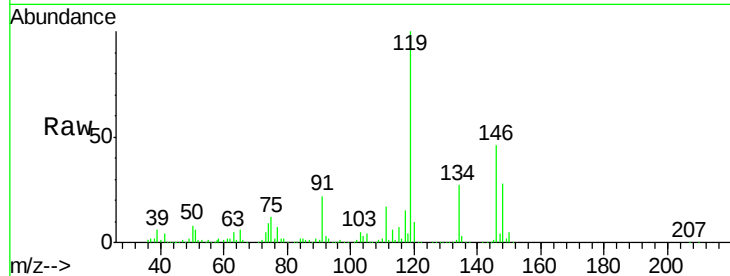
#87
 1,3-Dichlorobenzene
 Concen: 49.287 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.9
148	63.6	31.8	95.4

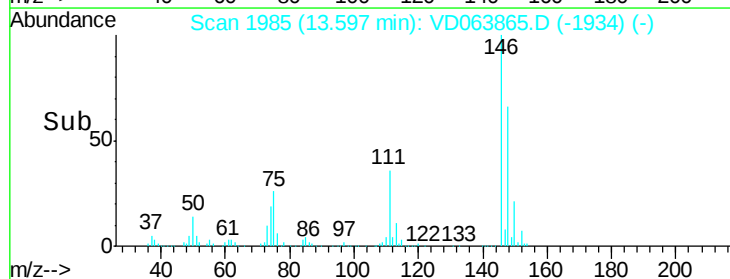
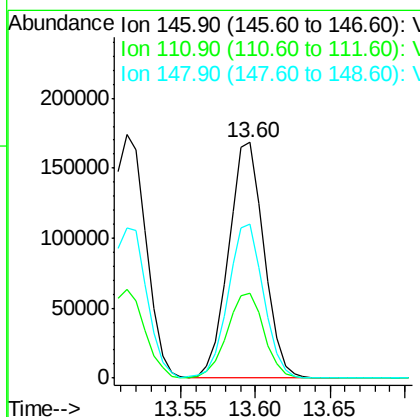
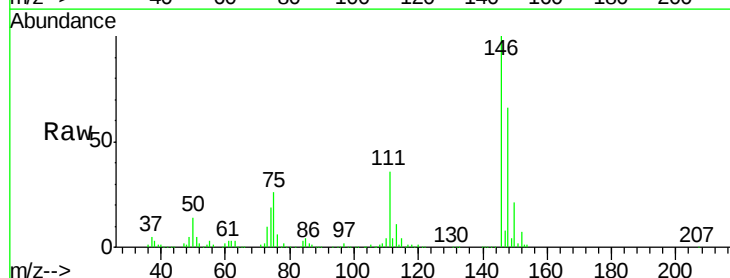
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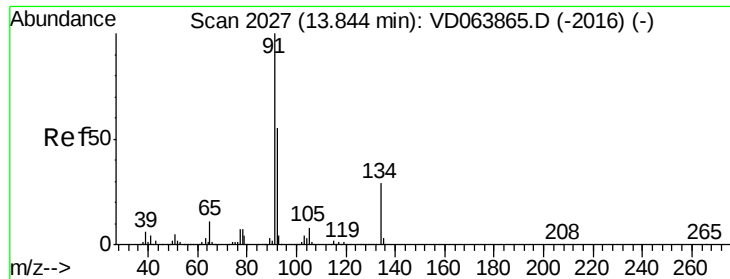
MMDadoda
 10/3/2019 12:55:24 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.379 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	56.0
148	65.3	32.6	98.0





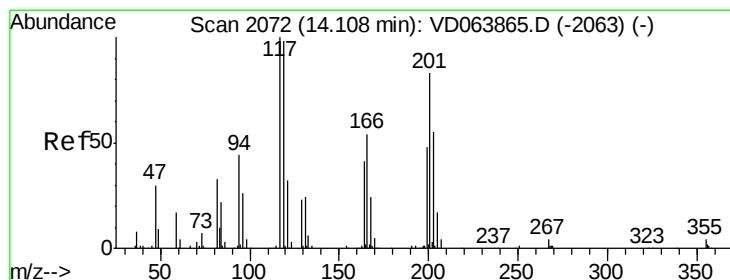
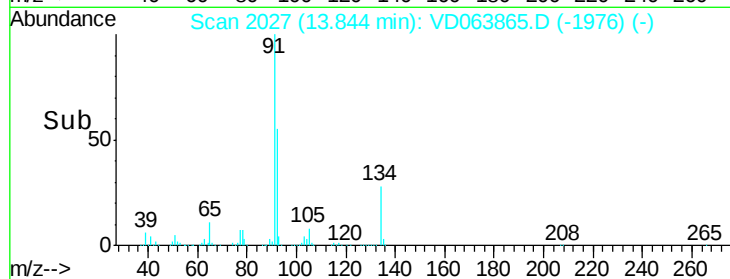
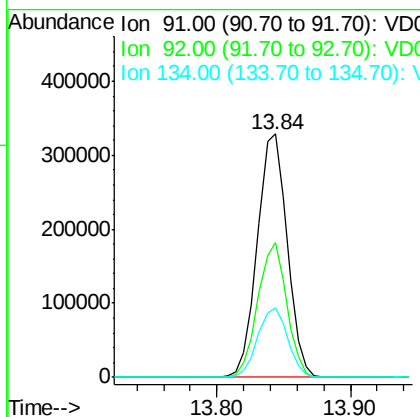
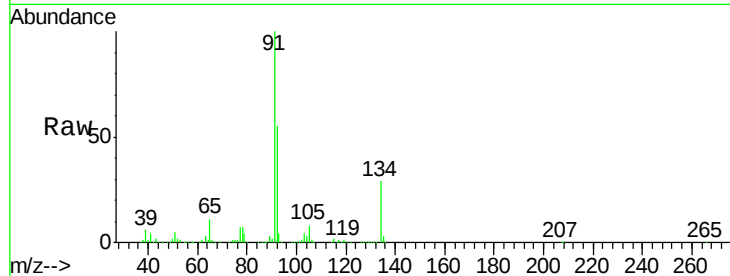
#89
n-Butylbenzene
Concen: 46.335 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	28.7	14.4	43.0

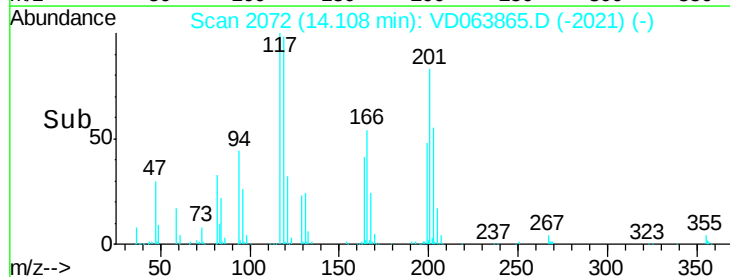
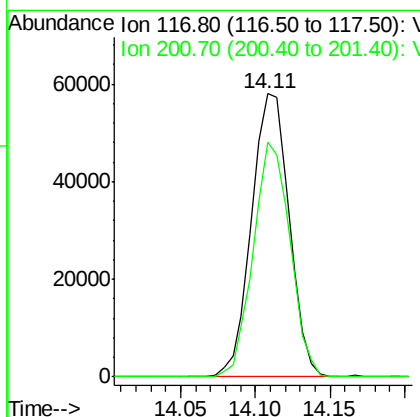
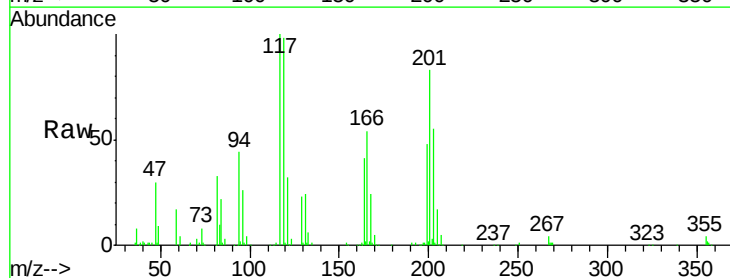
Manual Integrations
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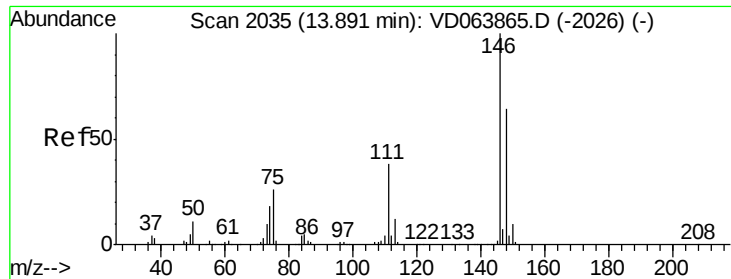
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10/3/2019 12:55:24 PM



#90
Hexachloroethane
Concen: 47.207 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.6	121.7





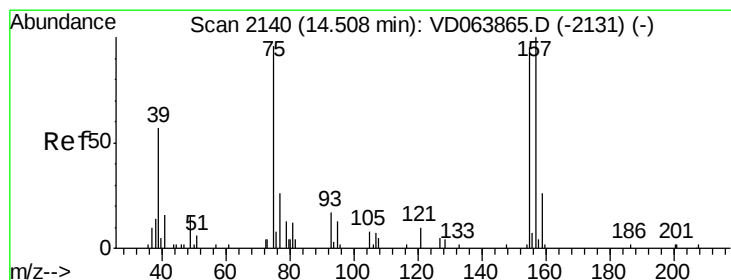
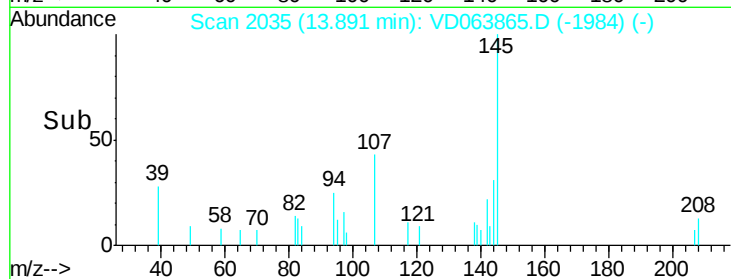
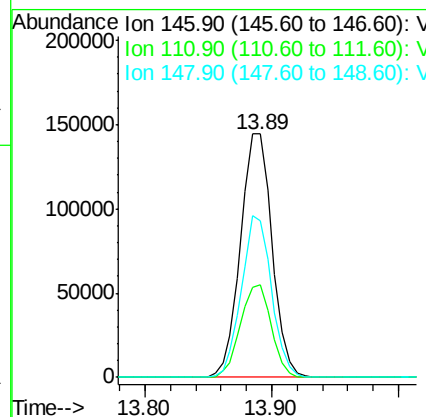
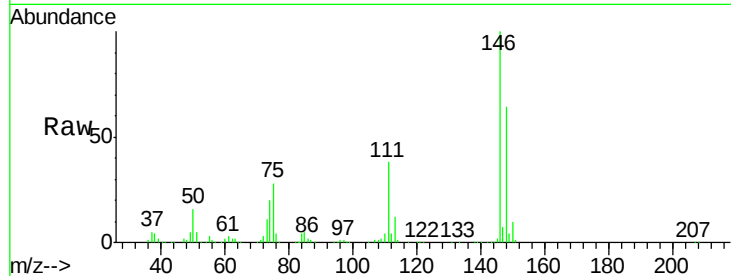
#91
 1,2-Dichlorobenzene
 Concen: 50.156 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	249491		
111	37.1	18.6	55.6	
148	63.3	31.6	95.0	

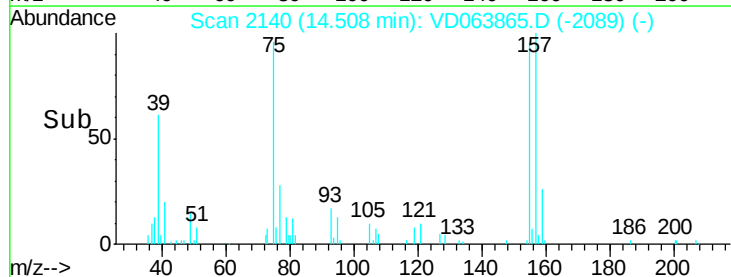
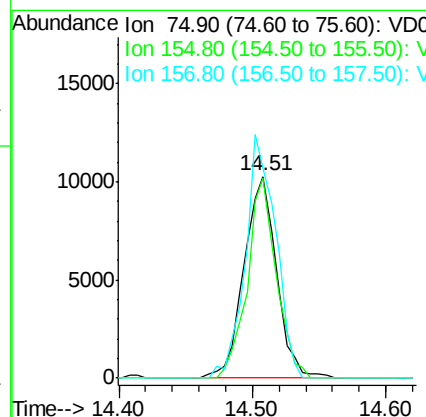
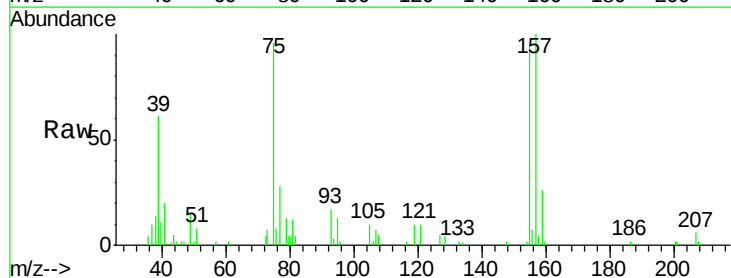
Manual Integrations
 APPROVED

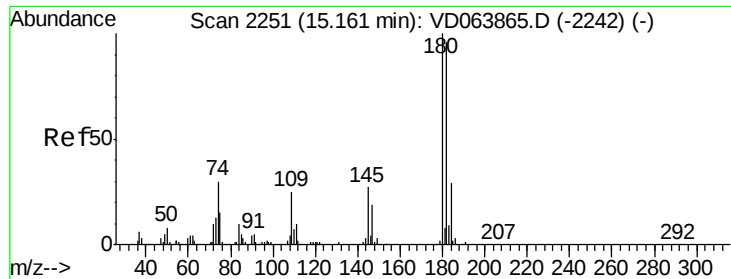
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.127 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17301		
155	87.7	43.9	131.6	
157	111.9	56.0	167.9	





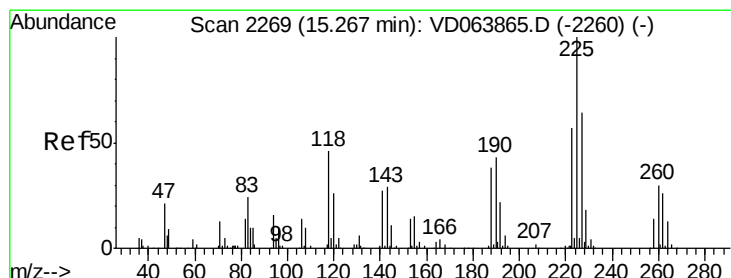
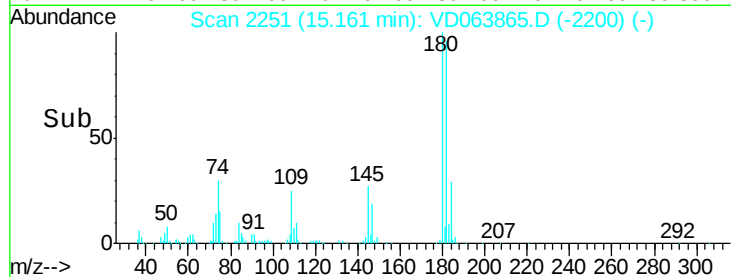
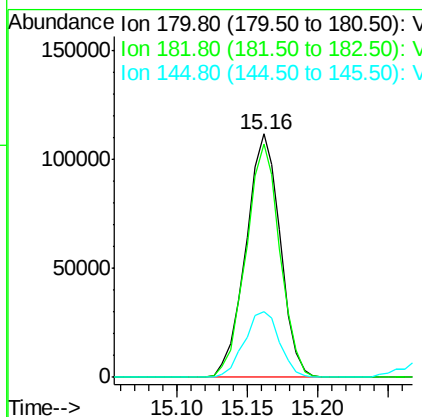
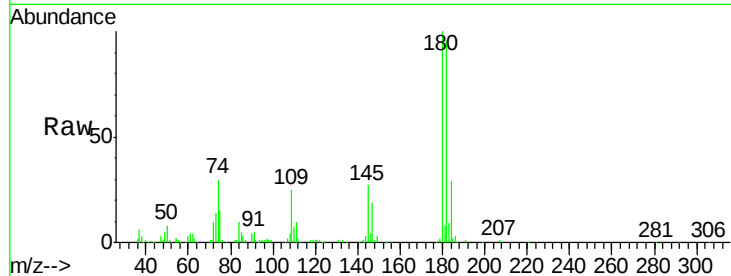
#93
 1,2,4-Trichlorobenzene
 Concen: 50.390 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	189818		
182	94.9	47.4	142.3	
145	27.8	13.9	41.7	

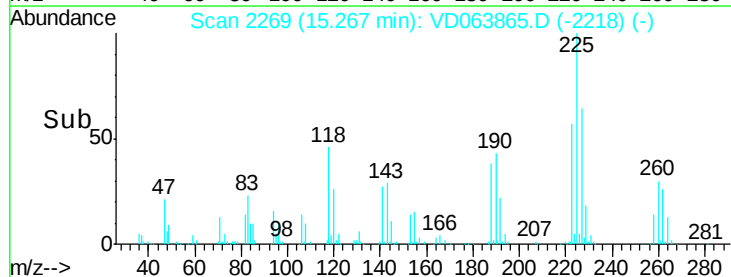
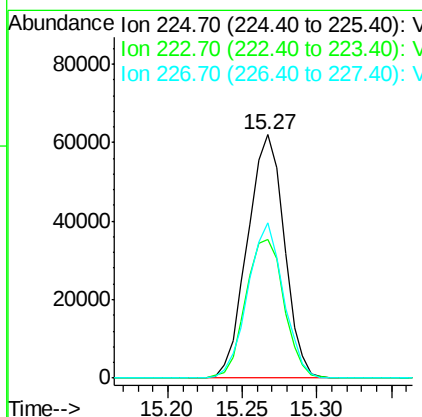
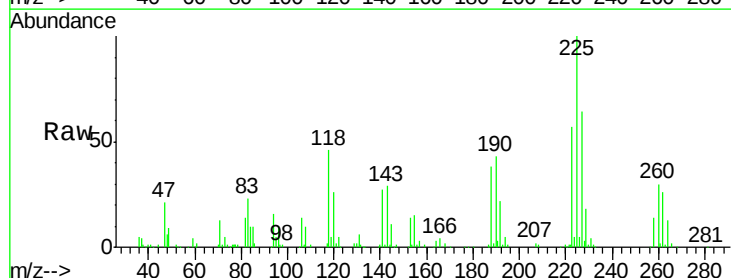
Manual Integrations
 APPROVED

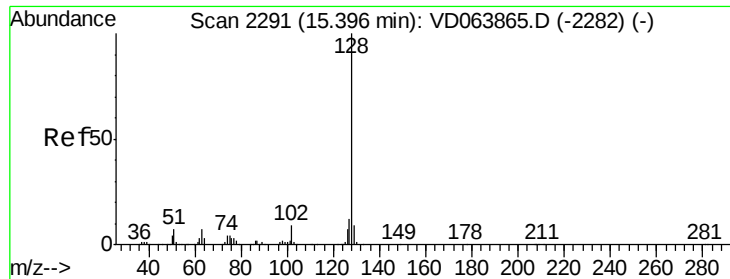
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 49.736 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VD063865.D
 Acq: 02 Oct 2019 17:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106025		
223	59.1	29.5	88.6	
227	61.6	30.8	92.4	





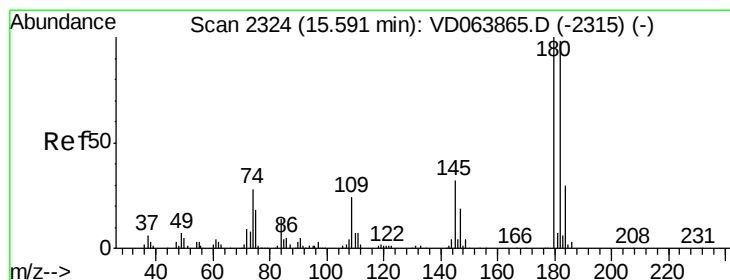
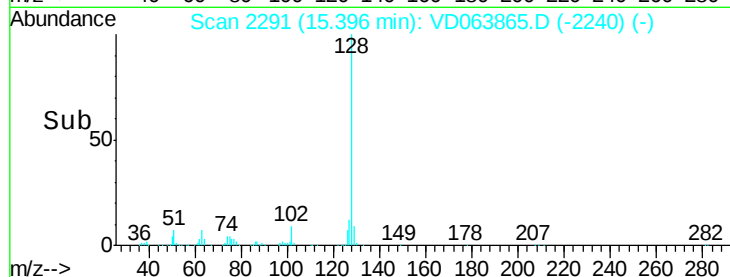
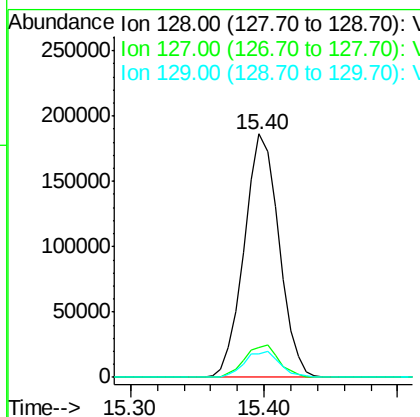
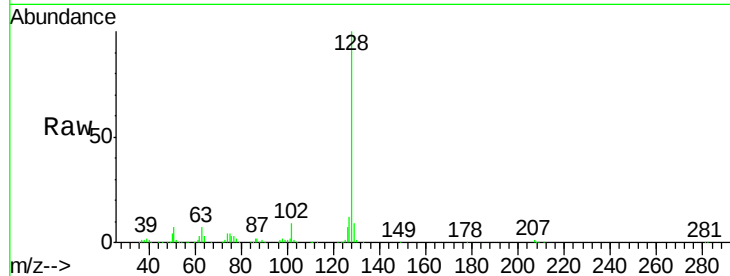
#95
Naphthalene
Concen: 49.397 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		335230		
127	13.3		10.6	16.0	
129	10.8		8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.792 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VD063865.D
Acq: 02 Oct 2019 17:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		166401		
182	94.0		47.0	141.0	
145	30.6		15.3	45.9	

