

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067263.D
 Acq On : 14 Oct 2020 11:38
 Operator : VA/SY
 Sample : VD1014SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Manual Integrations
 APPROVED

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 10/15/2020 12:18:44 PM

Quant Time: Oct 15 06:24:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	335424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	505933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	475494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240760	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	169011	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	7.91	113	168429	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.34	98	614231	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.64	95	215165	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	67503	22.682	ug/l	99
3) Chloromethane	2.21	50	45252	21.436	ug/l	97
4) Vinyl Chloride	2.35	62	49526	21.382	ug/l	94
5) Bromomethane	2.76	94	37916	22.219	ug/l	93
6) Chloroethane	2.92	64	31226	21.647	ug/l	94
7) Trichlorofluoromethane	3.27	101	121328	20.802	ug/l	92
8) Diethyl Ether	3.71	74	26468	19.832	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65520	21.144	ug/l	99
10) Methyl Iodide	4.30	142	55108	19.279	ug/l	99
11) Tert butyl alcohol	5.21	59	16151	57.296	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	56957	20.575	ug/l	89
13) Acrolein	3.91	56	12615	79.032	ug/l	96
14) Allyl chloride	4.71	41	65974	20.810	ug/l	98
15) Acrylonitrile	5.42	53	44550	100.040	ug/l #	89
16) Acetone	4.16	43	48539	103.136	ug/l #	88
17) Carbon Disulfide	4.40	76	165148	20.926	ug/l	98
18) Methyl Acetate	4.71	43	22411	20.878	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	111099	20.183	ug/l	100
20) Methylene Chloride	4.97	84	67461	19.654	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	66563	20.894	ug/l	98
22) Diisopropyl ether	6.36	45	128081	22.116	ug/l	98
23) Vinyl Acetate	6.31	43	346272	105.097	ug/l	94
24) 1,1-Dichloroethane	6.26	63	103596	20.897	ug/l	96
25) 2-Butanone	7.21	43	55304	103.088	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	102397	20.040	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	73334	21.004	ug/l	98
28) Bromochloromethane	7.54	49	32316	19.112	ug/l	95
29) Tetrahydrofuran	7.56	42	31465	105.512	ug/l	93
30) Chloroform	7.71	83	125670	21.221	ug/l	97
31) Cyclohexane	7.98	56	78170	20.196	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	120627	20.760	ug/l	99
36) 1,1-Dichloropropene	8.11	75	91718	21.389	ug/l	99
37) Ethyl Acetate	7.30	43	26562	21.054	ug/l	100
38) Carbon Tetrachloride	8.09	117	111436	20.333	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87906	19.609	ug/l	95
40) Benzene	8.35	78	253247	21.527	ug/l	100
41) Methacrylonitrile	7.52	41	15094	22.139	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	78224	21.248	ug/l	100
43) Isopropyl Acetate	8.45	43	51835	20.706	ug/l	99
44) Trichloroethene	9.11	130	83258	22.105	ug/l	94
45) 1,2-Dichloropropane	9.39	63	57746	21.180	ug/l	95
46) Dibromomethane	9.48	93	34452	20.282	ug/l	97
47) Bromodichloromethane	9.67	83	94661	20.799	ug/l	97
48) Methyl methacrylate	9.46	41	23575	19.378	ug/l	98
49) 1,4-Dioxane	9.47	88	7129	415.935	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	127867	102.406	ug/l	98
52) Toluene	10.41	92	170642	21.297	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	82518	20.640	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	96887	20.707	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	49793	21.496	ug/l #	91
56) Ethyl methacrylate	10.66	69	50182	20.889	ug/l	96
57) 1,3-Dichloropropane	10.95	76	80272	21.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124049	100.656	ug/l	97
59) 2-Hexanone	10.99	43	88240	103.419	ug/l	99
60) Dibromochloromethane	11.14	129	70958	21.005	ug/l	98
61) 1,2-Dibromoethane	11.25	107	48453	21.218	ug/l	97
64) Tetrachloroethene	10.88	164	70852	20.566	ug/l	94
65) Chlorobenzene	11.67	112	188909	20.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	75274	20.771	ug/l	98
67) Ethyl Benzene	11.75	91	320996	20.537	ug/l	97
68) m/p-Xylenes	11.86	106	257640	42.805	ug/l	97
69) o-Xylene	12.18	106	113305	20.329	ug/l	97
70) Styrene	12.20	104	204381	21.302	ug/l	98
71) Bromoform	12.37	173	40533	20.820	ug/l #	99
73) Isopropylbenzene	12.48	105	327724	21.448	ug/l	99
74) N-amyl acetate	12.30	43	48074	20.831	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	46727	19.958	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	30954m	18.550	ug/l	
77) Bromobenzene	12.77	156	80953	21.250	ug/l	98
78) n-propylbenzene	12.83	91	377151	21.303	ug/l	100
79) 2-Chlorotoluene	12.91	91	212973	20.744	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	280058	21.091	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15629	21.239	ug/l	95
82) 4-Chlorotoluene	13.01	91	233932	21.468	ug/l	98
83) tert-Butylbenzene	13.23	119	234527	20.909	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	280735	21.391	ug/l	100
85) sec-Butylbenzene	13.41	105	322667	20.965	ug/l	100
86) p-Isopropyltoluene	13.52	119	313372	21.572	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	152363	20.779	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	156608	21.558	ug/l	99
89) n-Butylbenzene	13.85	91	264990	20.735	ug/l	99
90) Hexachloroethane	14.12	117	51230	20.209	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	134226	20.955	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8630	20.290	ug/l	92

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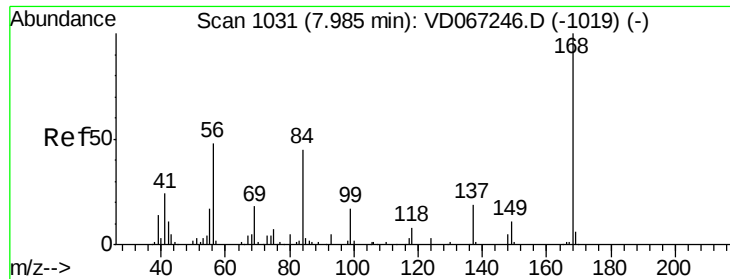
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	89522	20.729	ug/l	99
94) Hexachlorobutadiene	15.28	225	54795	20.431	ug/l	98
95) Naphthalene	15.41	128	139613	19.690	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	79100	21.200	ug/l	96

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



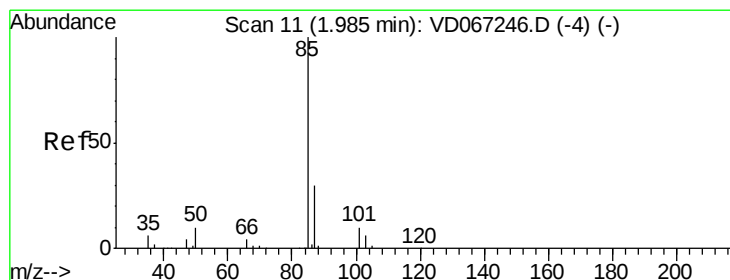
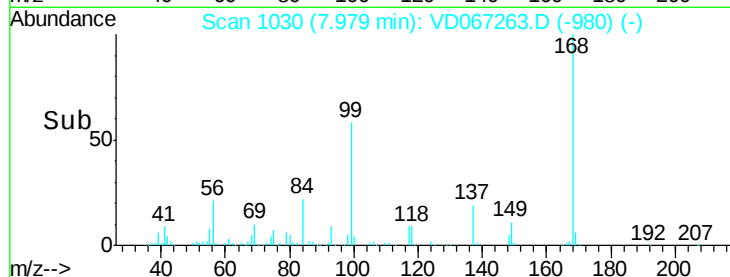
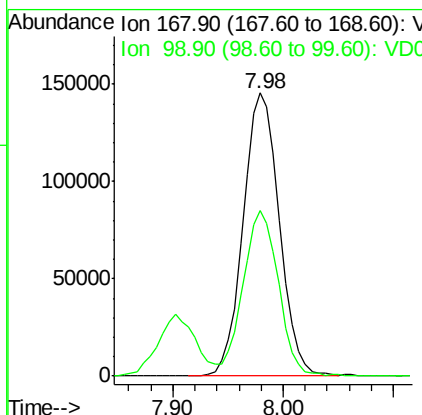
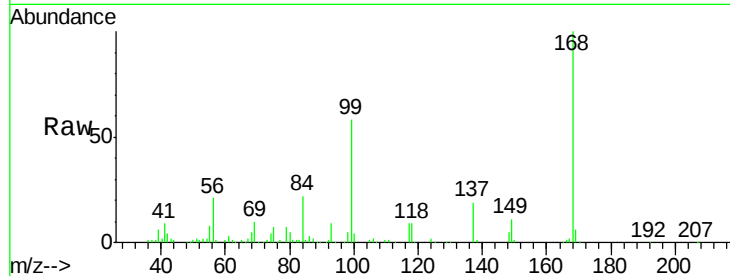
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.9	45.9	68.9

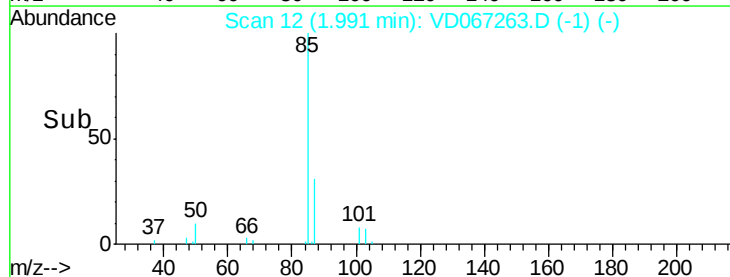
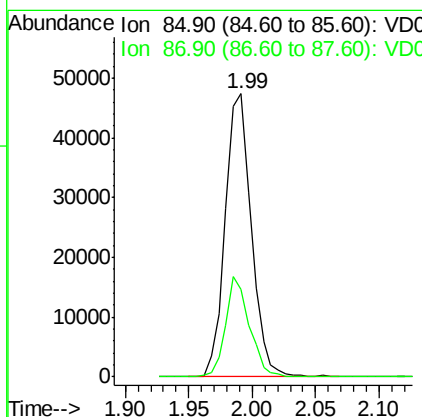
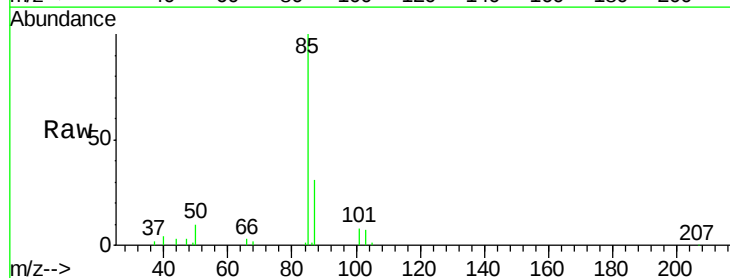
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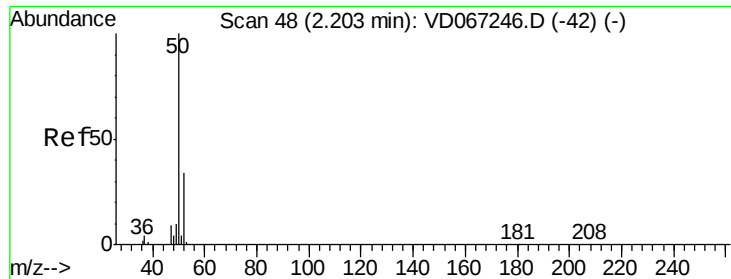
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#2
Dichlorodifluoromethane
Concen: 22.682 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.1	15.2	45.6





#3

Chloromethane

Concen: 21.436 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 50 Resp: 45252

Ion Ratio Lower Upper

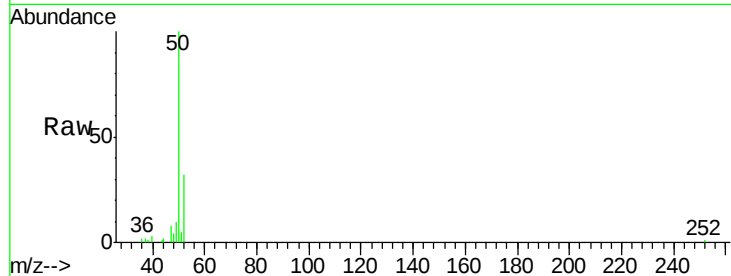
50 100

52 32.4 27.1 40.7

Manual Integrations
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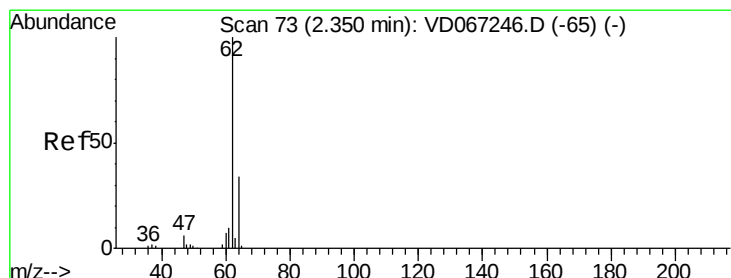
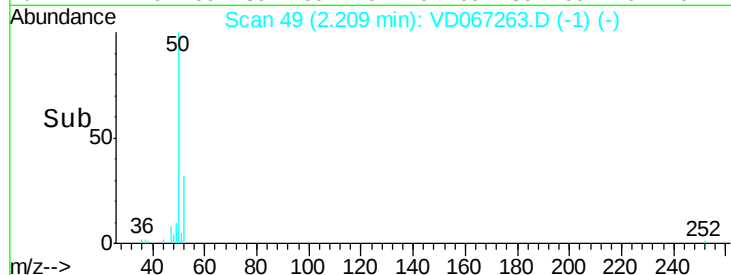
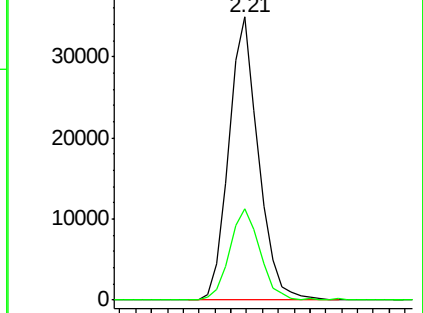
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.382 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067263.D

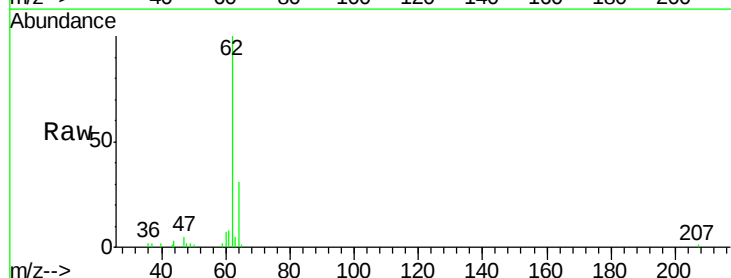
Acq: 14 Oct 2020 11:38

Tgt Ion: 62 Resp: 49526

Ion Ratio Lower Upper

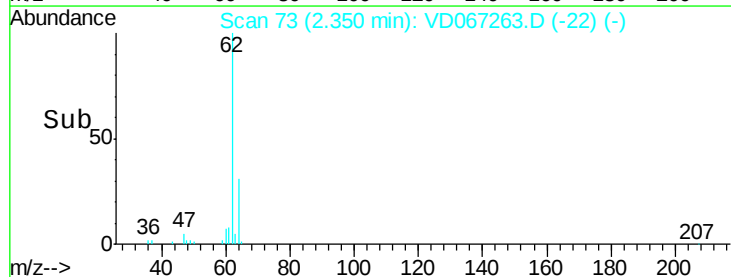
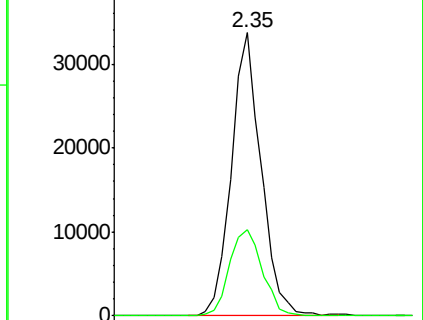
62 100

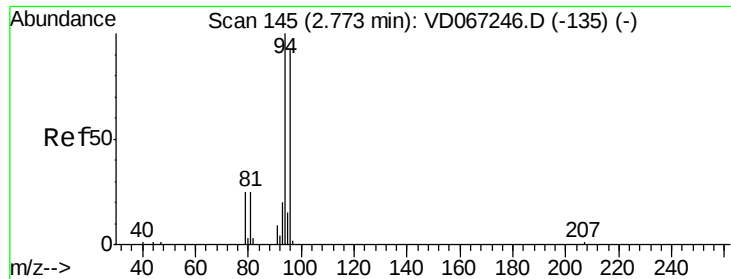
64 30.5 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.219 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 94 Resp: 37916

Ion Ratio Lower Upper

94 100

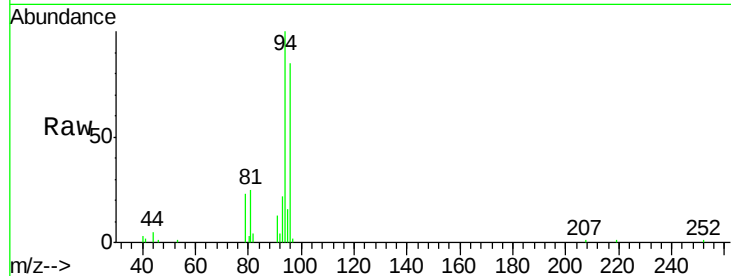
96 85.2 73.8 110.6

Manual Integrations

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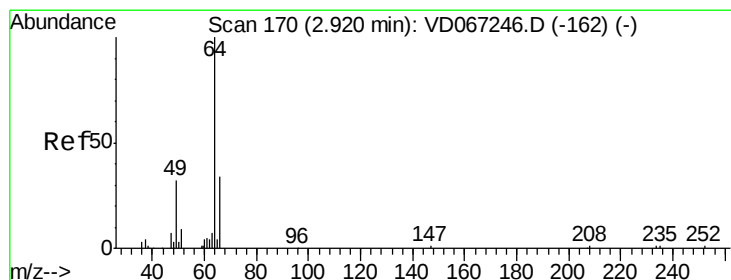
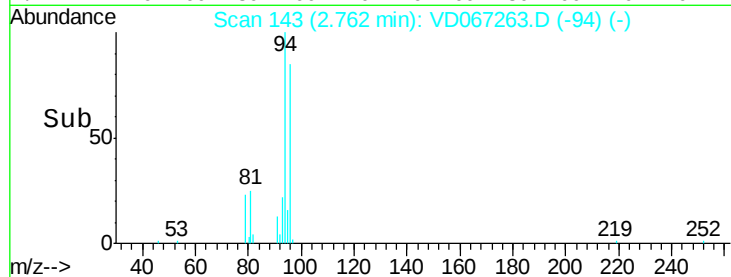
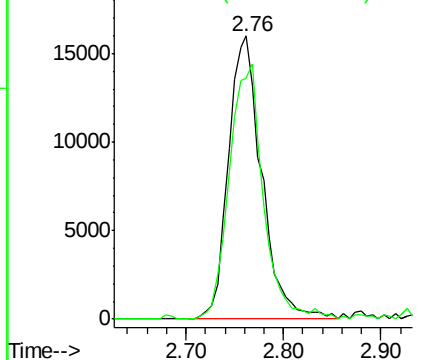
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.647 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067263.D

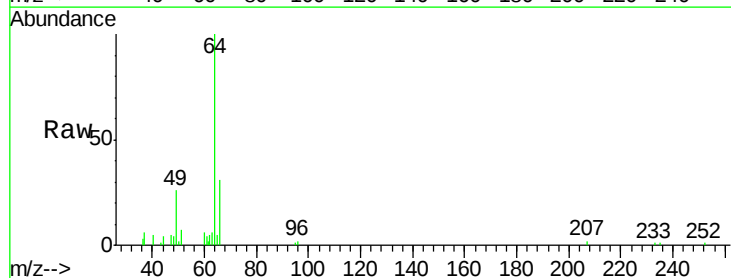
Acq: 14 Oct 2020 11:38

Tgt Ion: 64 Resp: 31226

Ion Ratio Lower Upper

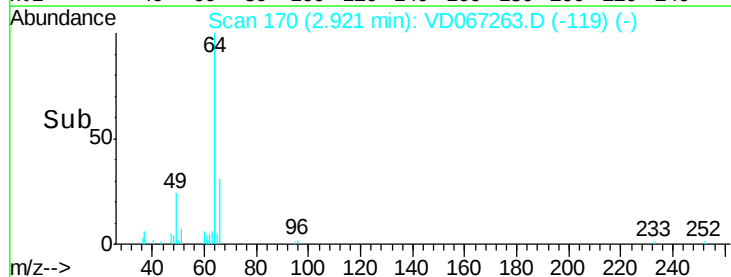
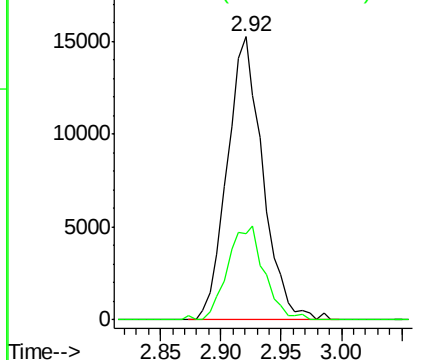
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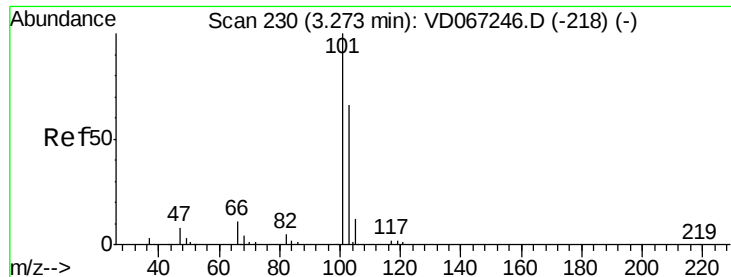
66 30.6 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

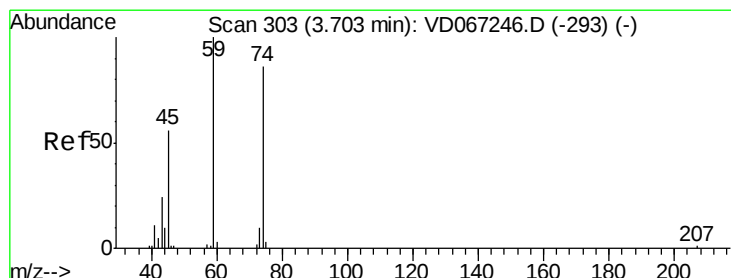
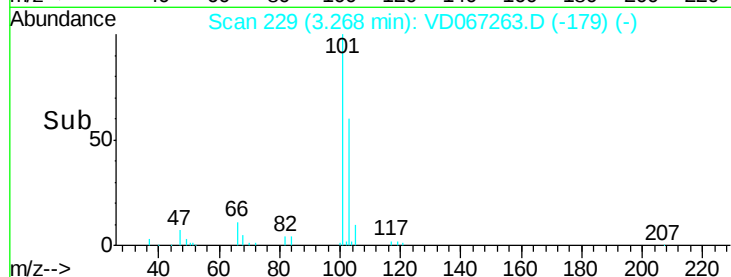
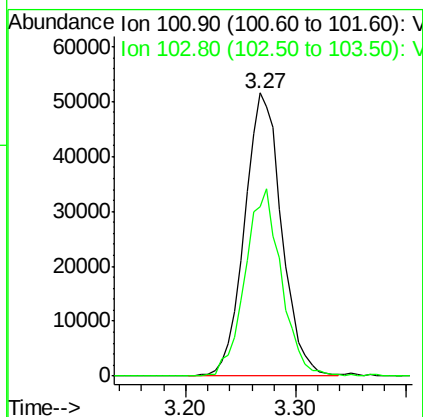
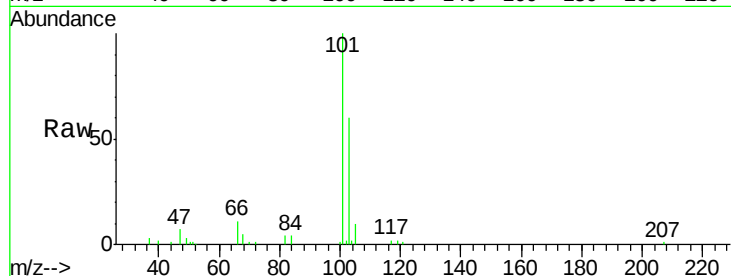
Trichlorofluoromethane
Concen: 20.802 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
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VD1014SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	53.1	79.7

Manual Integrations
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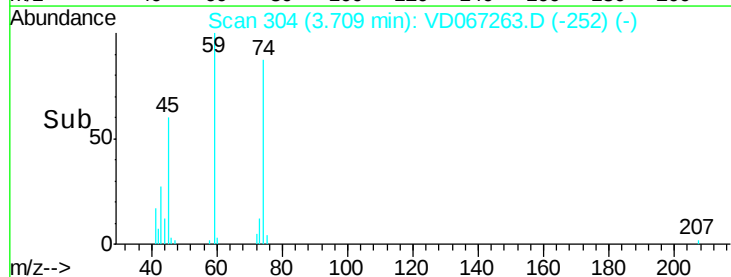
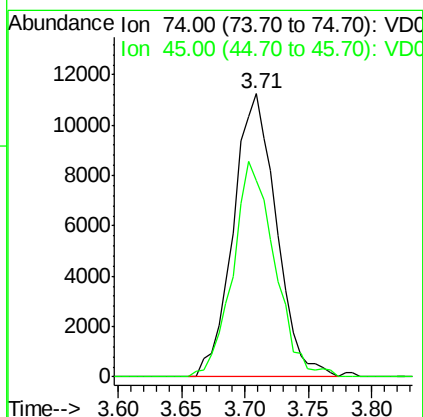
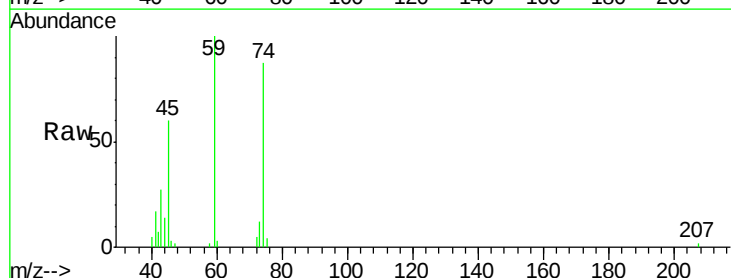
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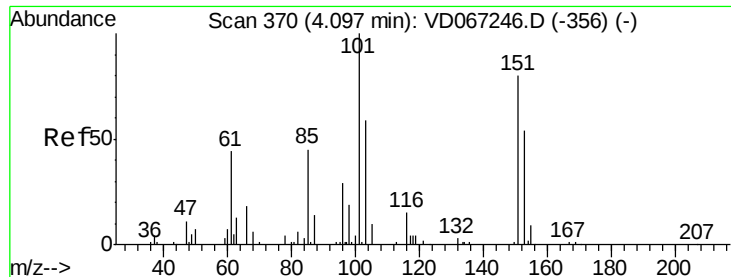


#8

Diethyl Ether
Concen: 19.832 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	74.0	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.144 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

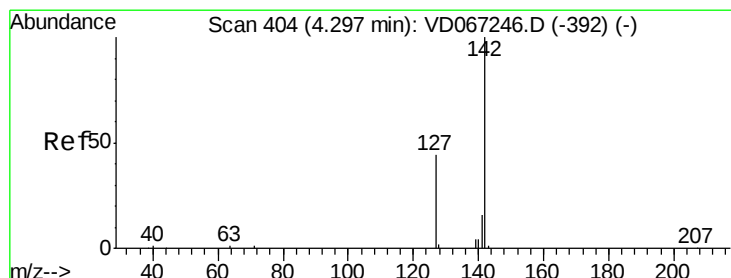
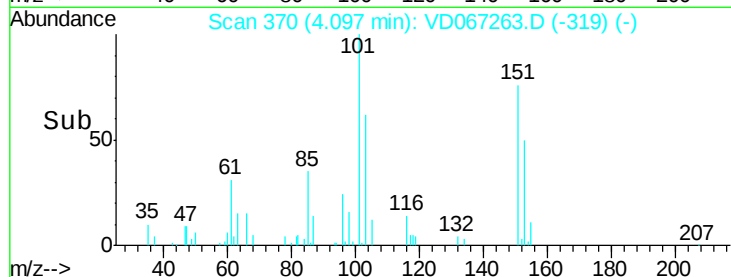
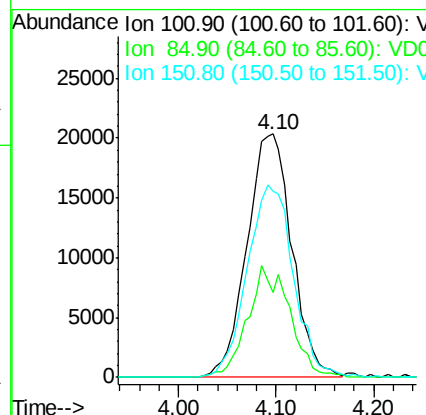
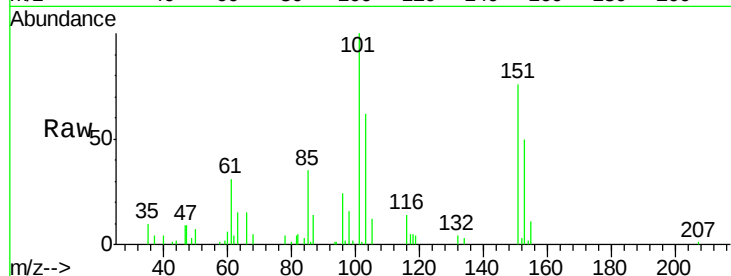
ClientSampleId :

VD1014SBS01

Tot Ion:	101	Resp:	65520
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	81.5	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.279 ug/l

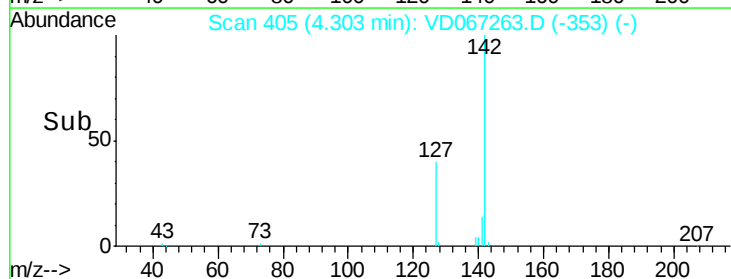
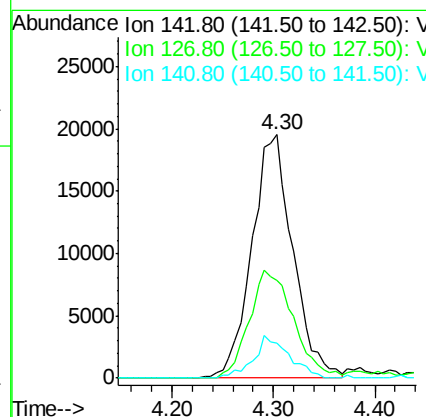
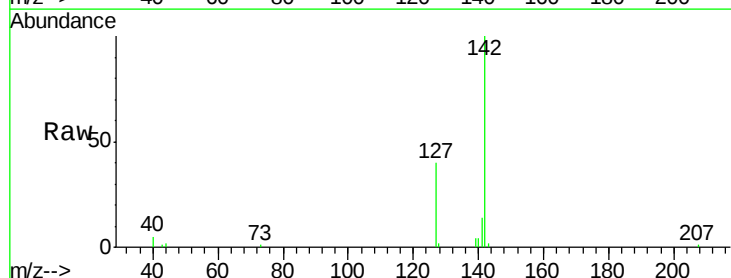
RT: 4.30 min Scan# 405

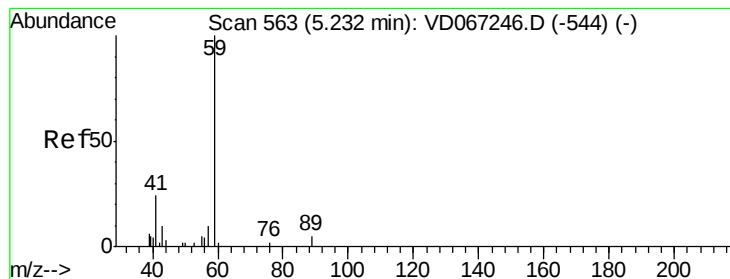
Delta R.T. 0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Tgt Ion:	142	Resp:	55108
Ion Ratio	Lower	Upper	
142	100		
127	47.7	38.4	57.6
141	15.0	11.6	17.4





#11

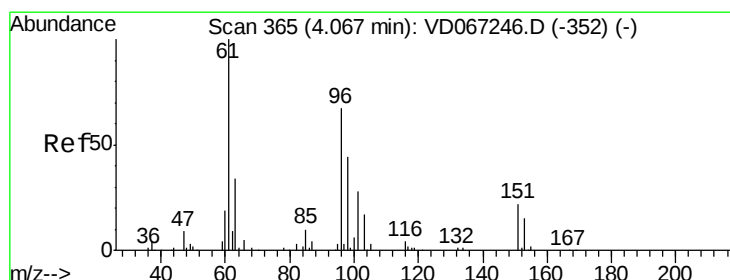
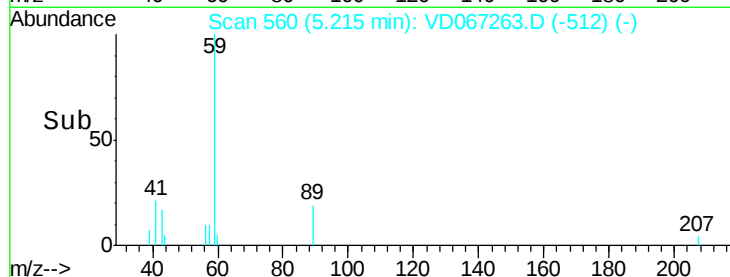
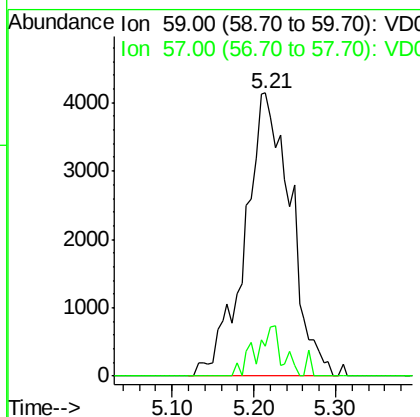
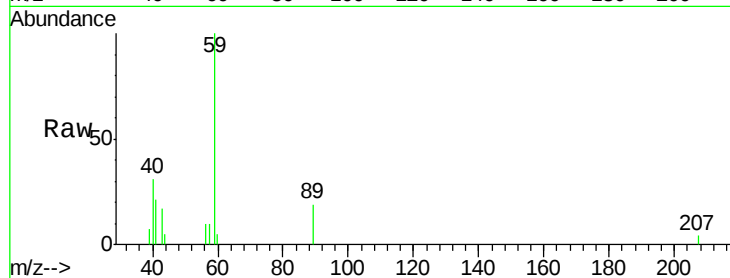
Tert butyl alcohol
 Concen: 57.296 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	59	57	Ratio	100	4.3	Resp:	16151	Lower	Upper
Ion	59	57	Ratio	100	4.3	Resp:	16151	Lower	Upper
								5.1	7.7#

Manual Integrations
 APPROVED

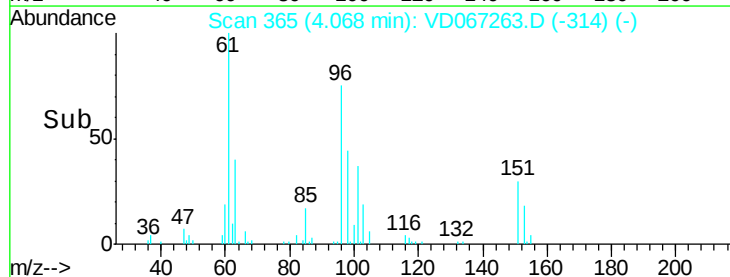
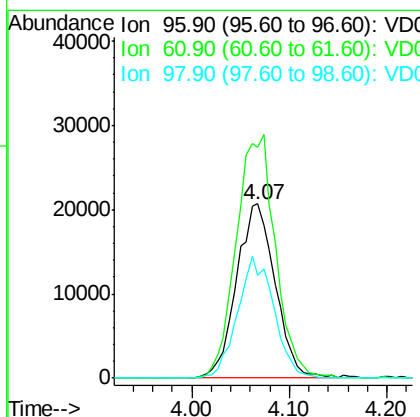
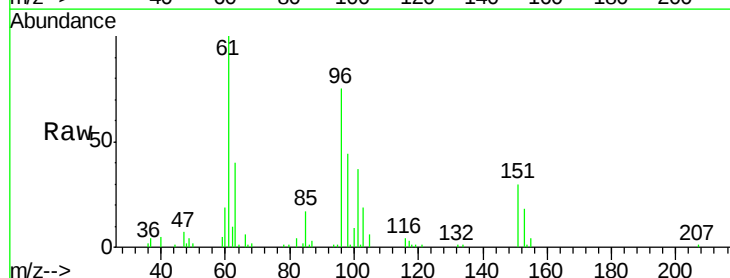
MMDadoda
 10/15/2020 12:18:44 PM

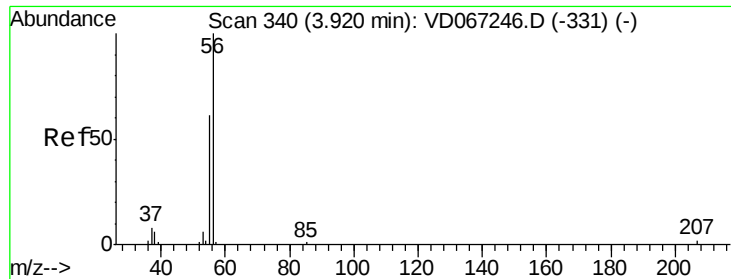


#12

1,1-Dichloroethene
 Concen: 20.575 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Tgt Ion	96	61	98	Ratio	100	132.6	58.8	Resp:	56957	Lower	Upper
Ion	96	61	98	Ratio	100	132.6	58.8	Resp:	56957	Lower	Upper
										118.6	177.8
										51.8	77.6





#13

Acrolein

Concen: 79.032 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 56 Resp: 12615

Ion Ratio Lower Upper

56 100

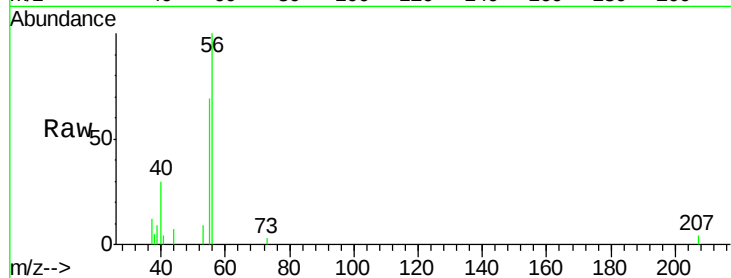
55 73.3 56.0 84.0

Manual Integrations

APPROVED

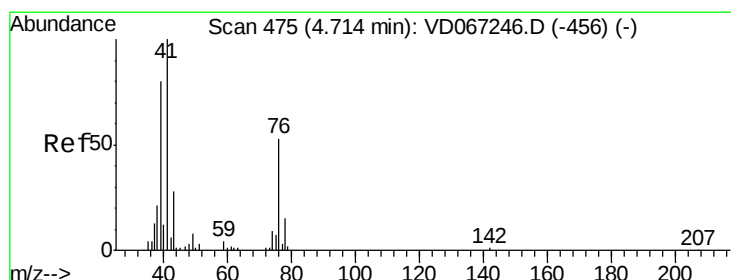
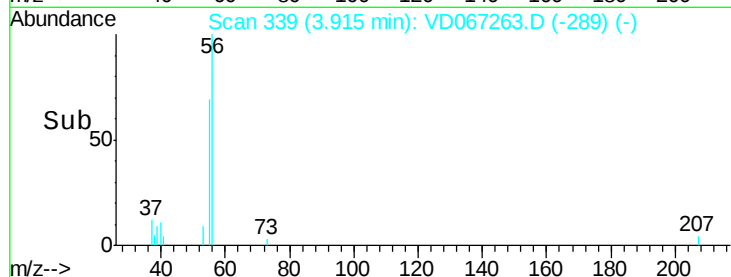
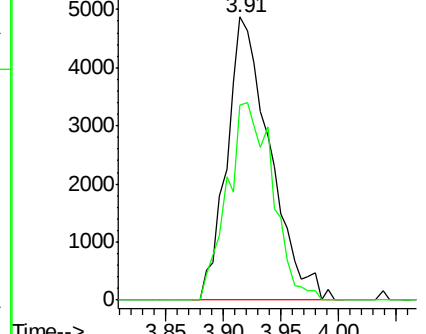
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.810 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

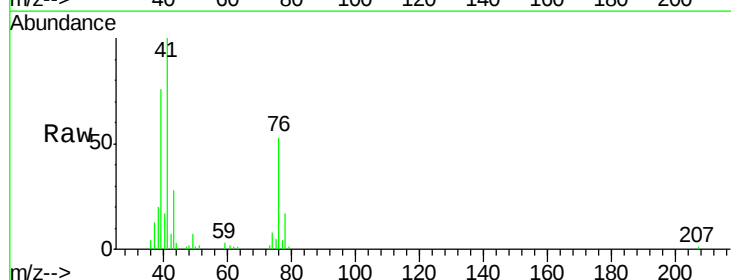
Tgt Ion: 41 Resp: 65974

Ion Ratio Lower Upper

41 100

39 78.6 63.8 95.6

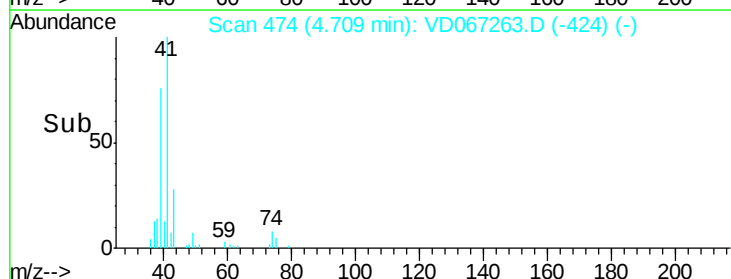
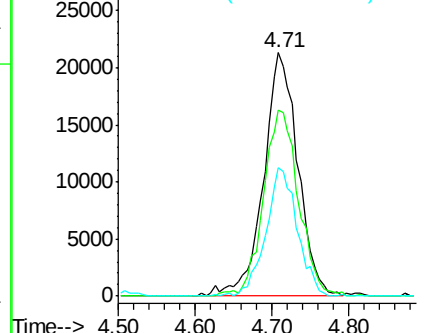
76 48.5 40.4 60.6

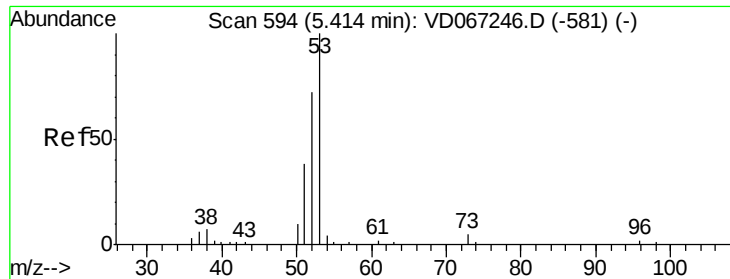


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 100.040 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

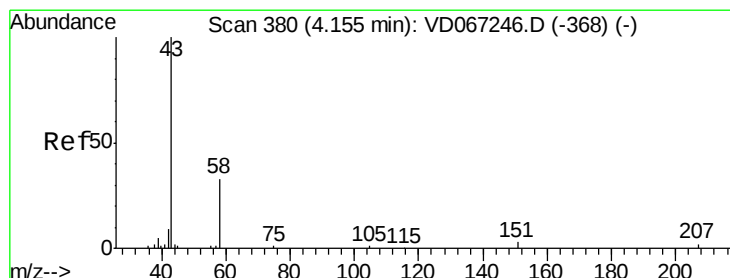
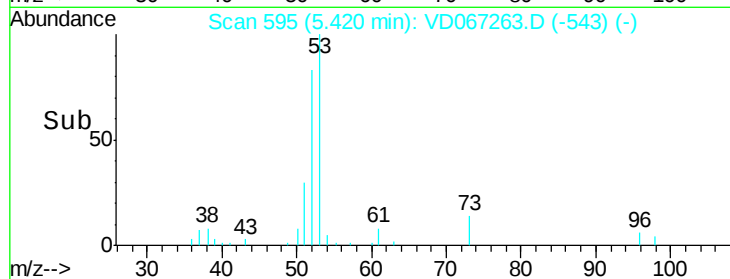
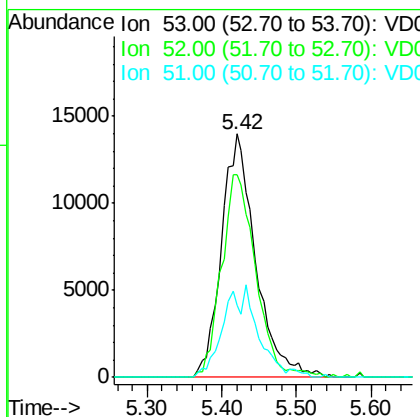
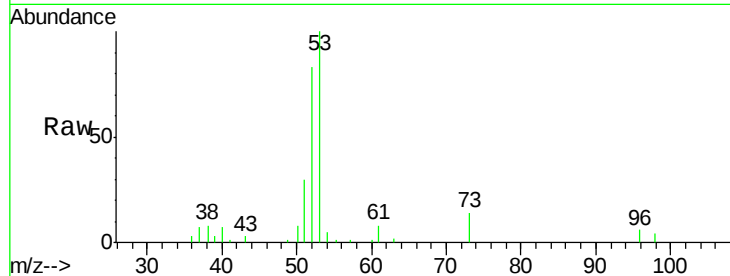
ClientSampleId :

VD1014SBS01

Tot Ion:	53	Resp:	44550
Ion Ratio		Lower	Upper
53	100		
52	83.6	65.6	98.4
51	20.8	30.8	46.2#

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 103.136 ug/l

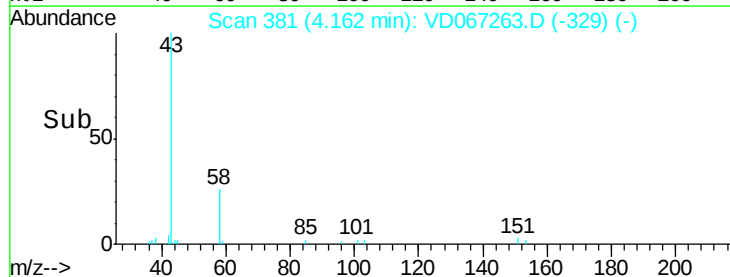
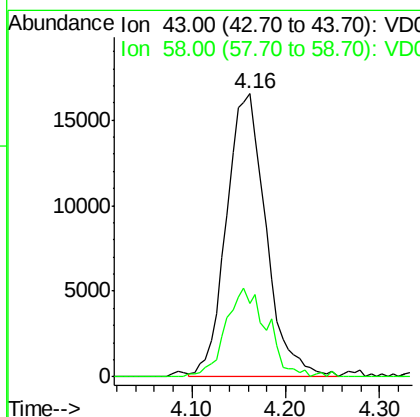
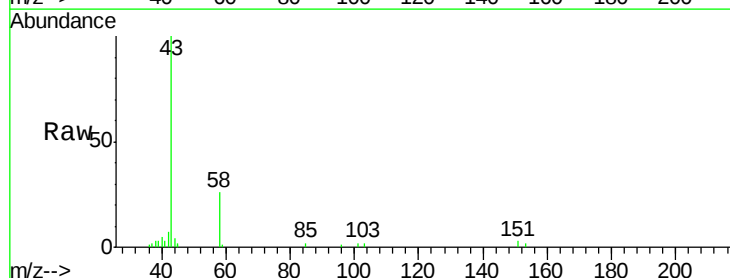
RT: 4.16 min Scan# 381

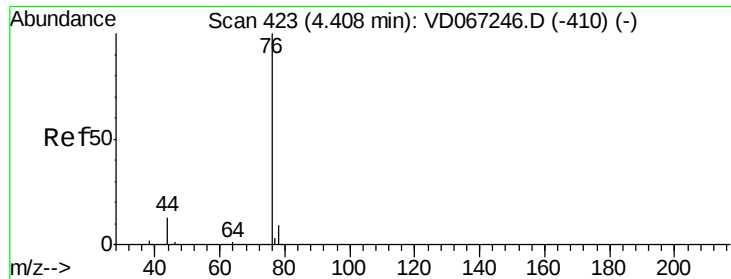
Delta R.T. 0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Tgt Ion:	43	Resp:	48539
Ion Ratio		Lower	Upper
43	100		
58	25.8	26.1	39.1#





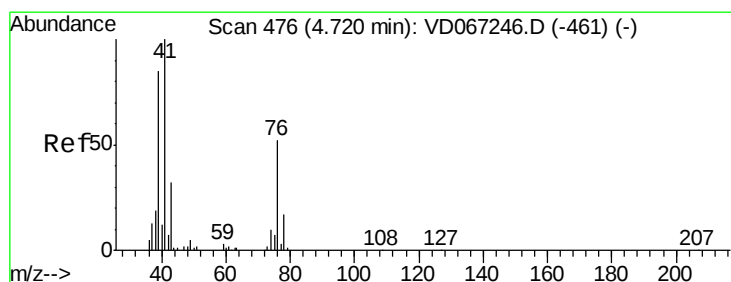
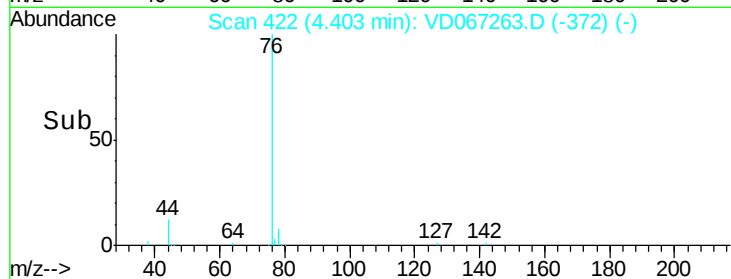
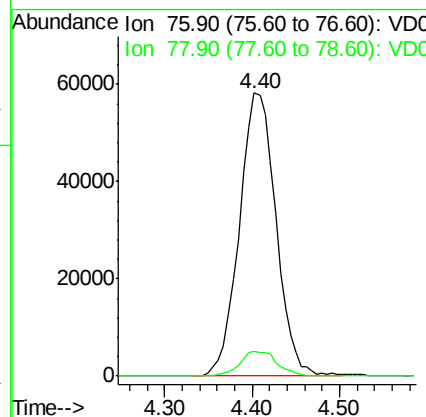
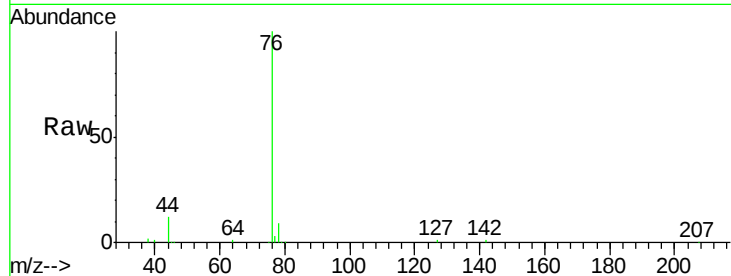
#17
Carbon Disulfide
Concen: 20.926 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.0

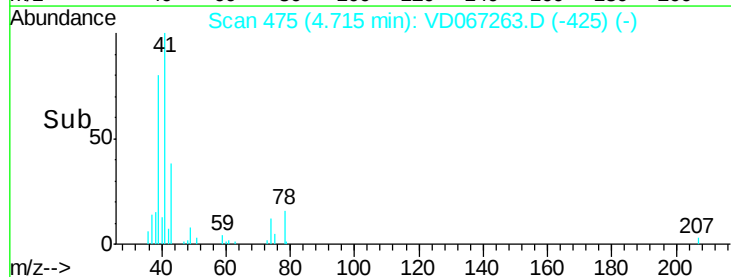
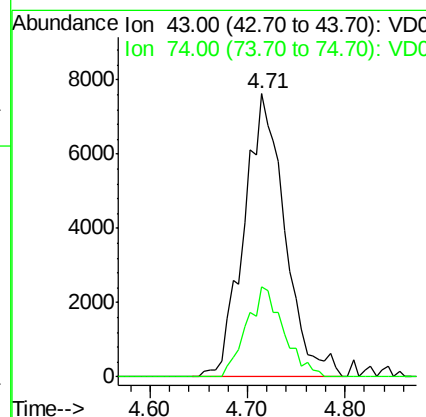
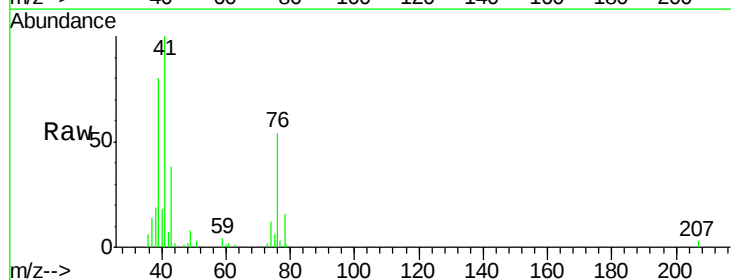
Manual Integrations
APPROVED

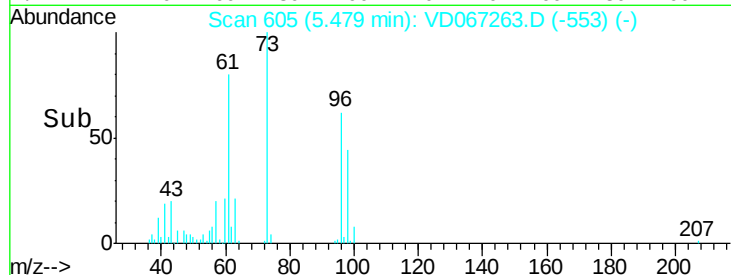
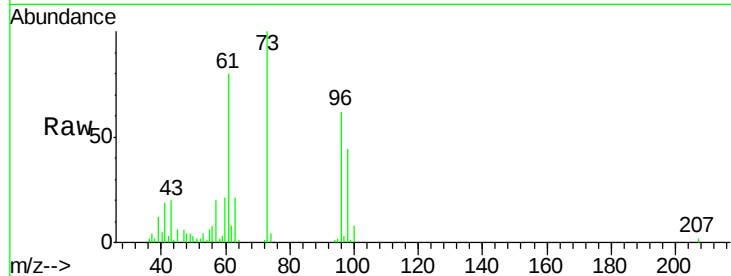
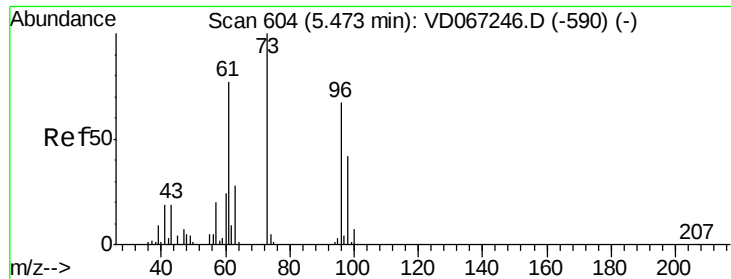
MMDadoda
10/15/2020 12:18:44 PM



#18
Methyl Acetate
Concen: 20.878 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.7	26.6	39.8





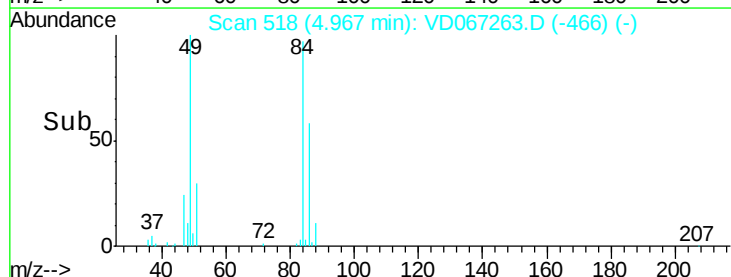
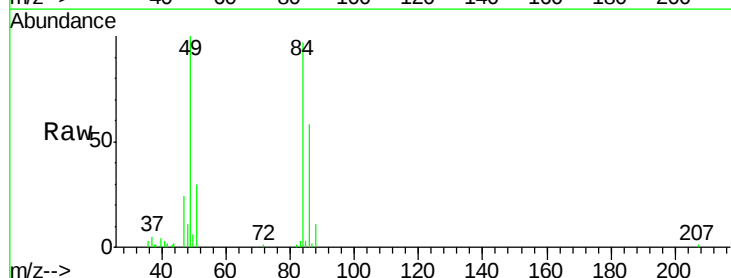
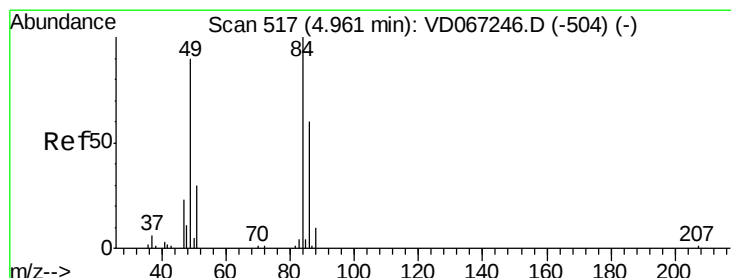
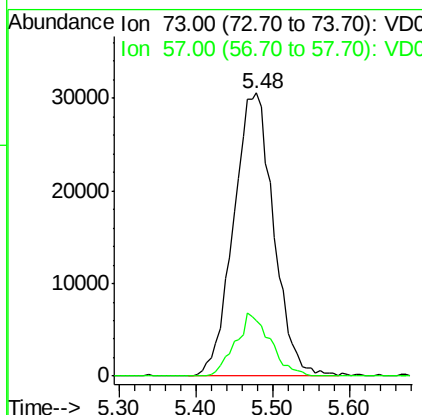
#19
Methyl tert-butyl Ether
Concen: 20.183 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tot Ion: 73 Resp: 111099
Ion Ratio Lower Upper
73 100
57 19.8 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

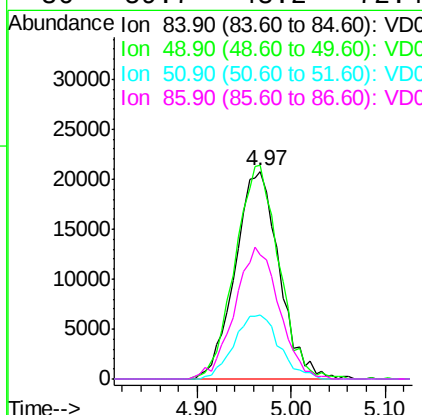
Manual Integrations
APPROVED

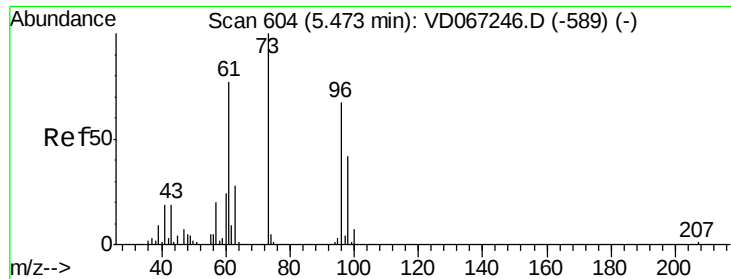
MMDadoda
10/15/2020 12:18:44 PM



#20
Methylene Chloride
Concen: 19.654 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion: 84 Resp: 67461
Ion Ratio Lower Upper
84 100
49 103.0 72.2 108.2
51 30.6 23.8 35.8
86 59.7 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.894 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

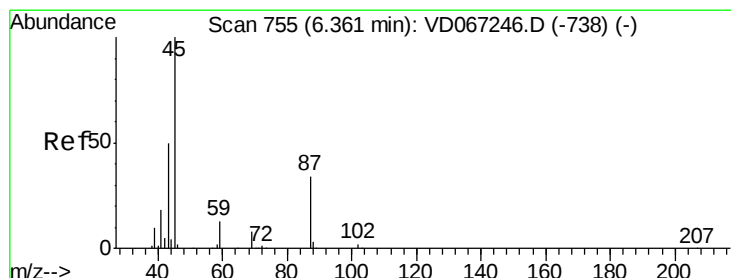
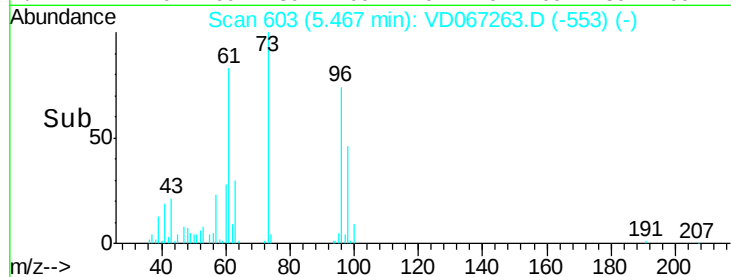
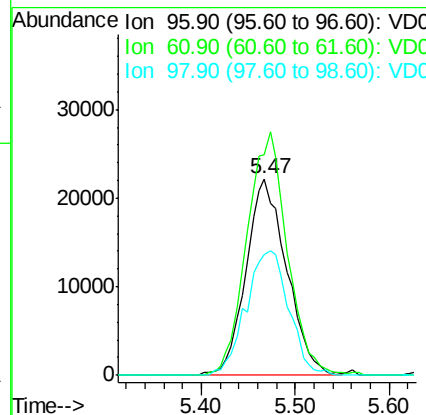
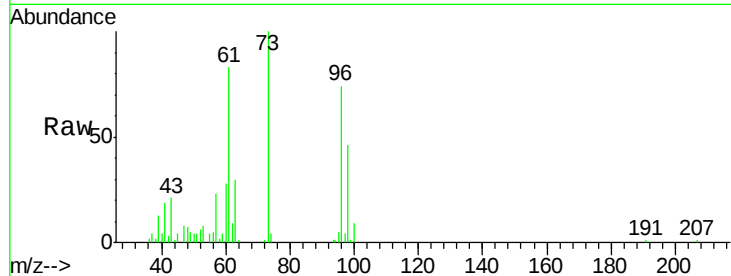
ClientSampleId :

VD1014SBS01

Tot Ion:	96	Resp:	66563
Ion	Ratio	Lower	Upper
96	100		
61	112.0	92.0	138.0
98	61.6	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.116 ug/l

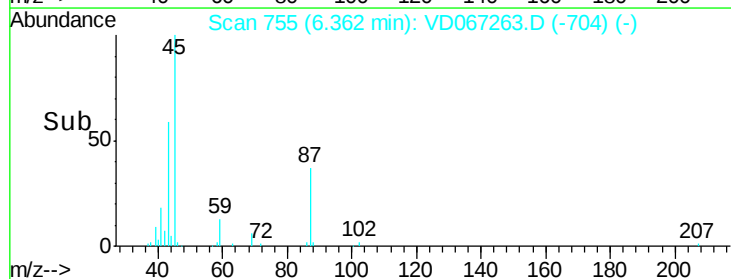
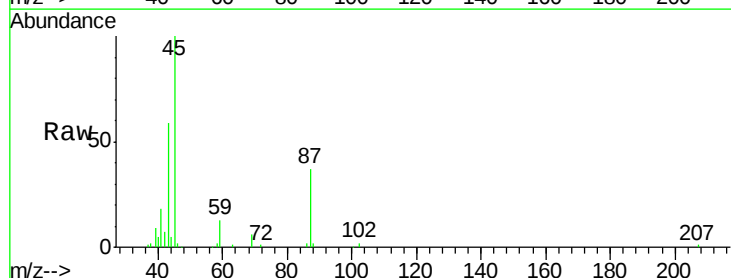
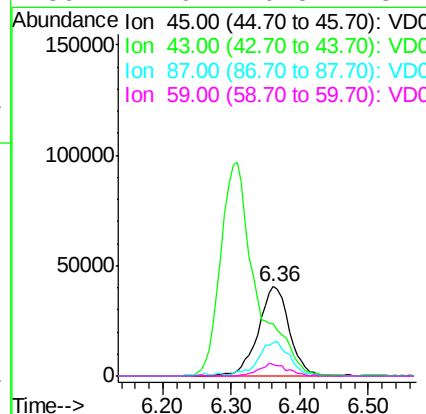
RT: 6.36 min Scan# 755

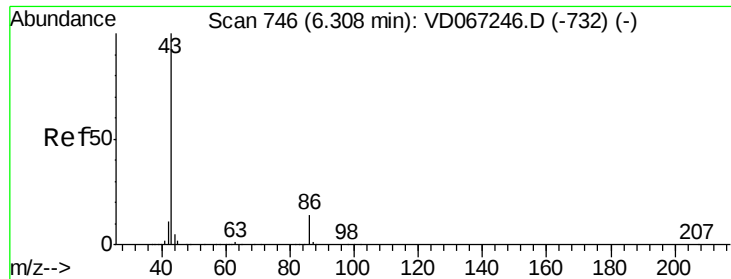
Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Tgt Ion:	45	Resp:	128081
Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.0	72.0
87	36.6	28.5	42.7
59	12.9	10.5	15.7





#23

Vinyl Acetate

Concen: 105.097 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 43 Resp: 346272

Ion Ratio Lower Upper

43 100

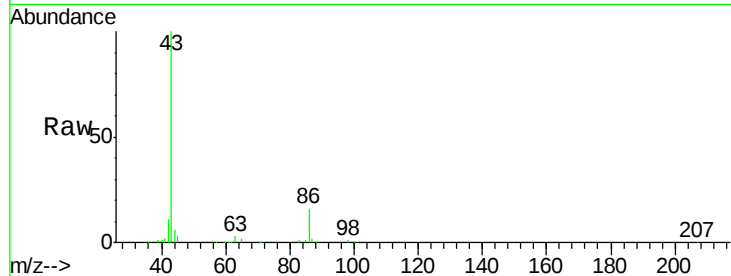
86 16.4 11.0 16.6

Manual Integrations

APPROVED

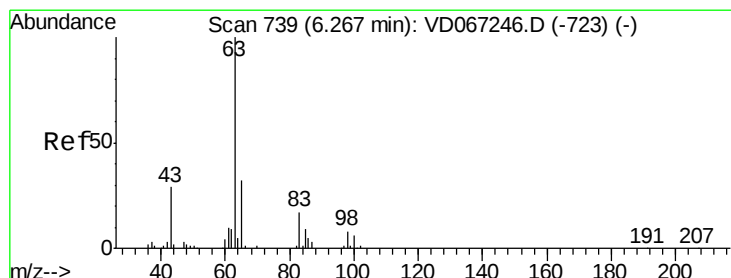
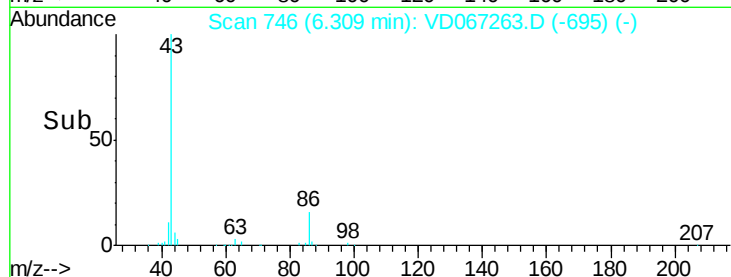
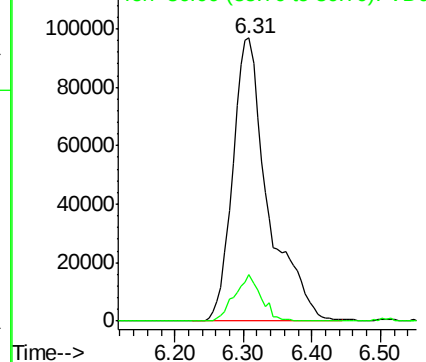
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.897 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

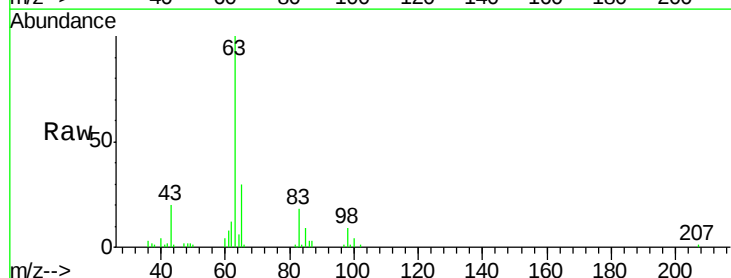
Tgt Ion: 63 Resp: 103596

Ion Ratio Lower Upper

63 100

98 9.5 4.0 12.2

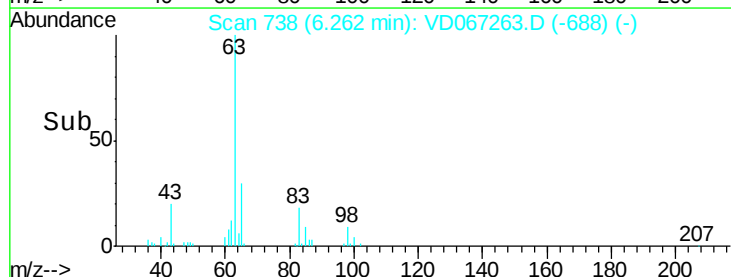
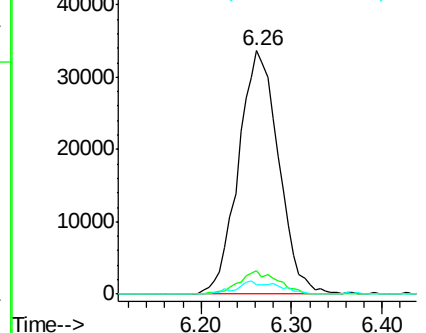
100 4.1 2.8 8.4

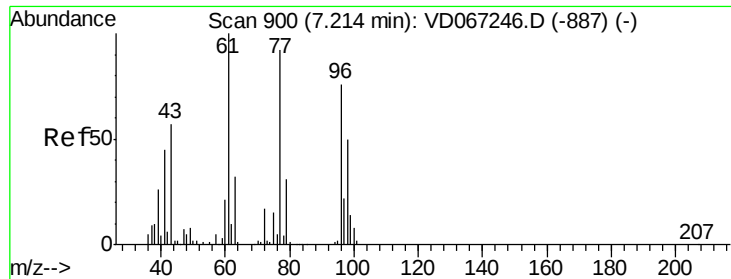


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.088 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 43 Resp: 55304

Ion Ratio Lower Upper

43 100

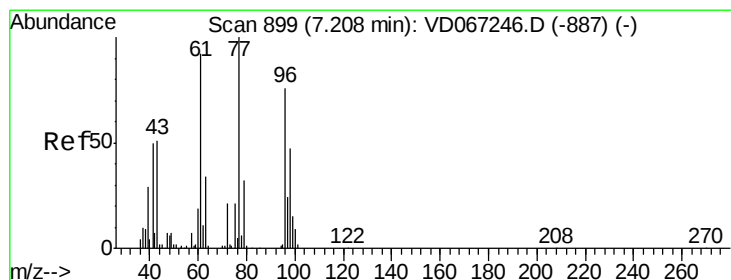
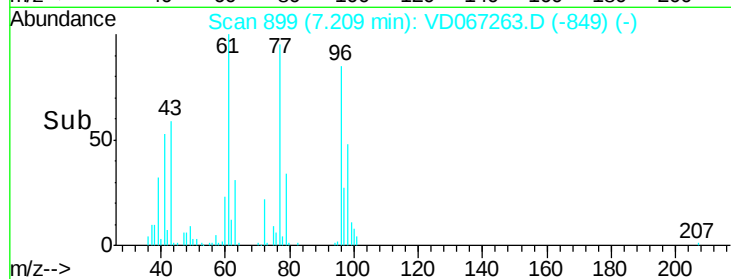
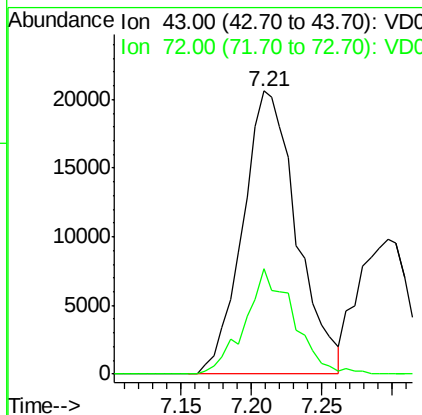
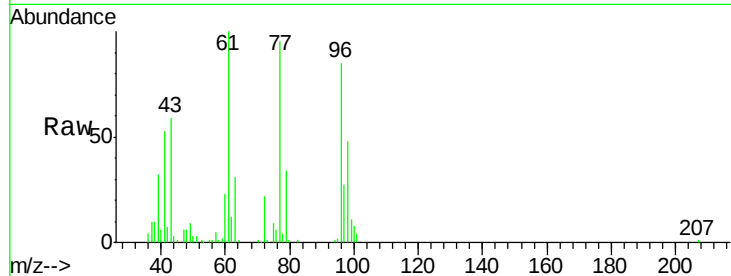
72 37.2 23.7 35.5#

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#26

2,2-Dichloropropane

Concen: 20.040 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067263.D

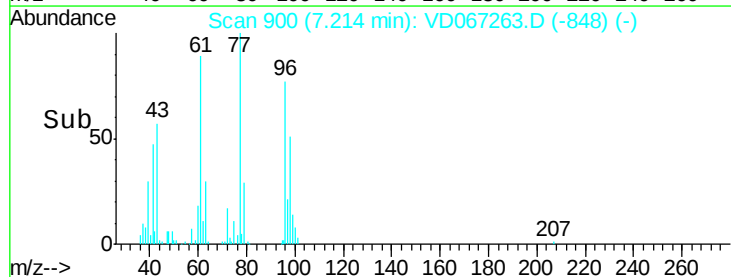
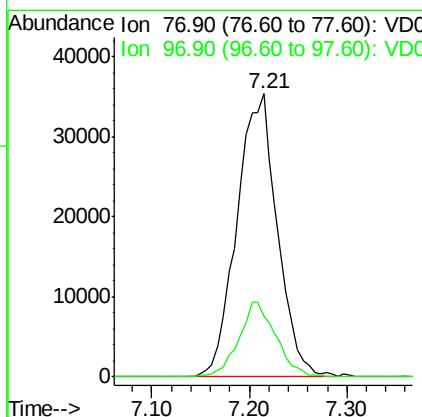
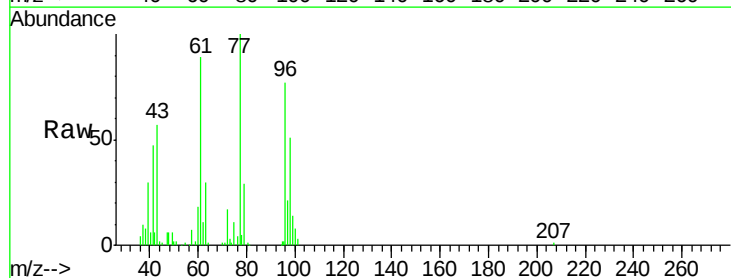
Acq: 14 Oct 2020 11:38

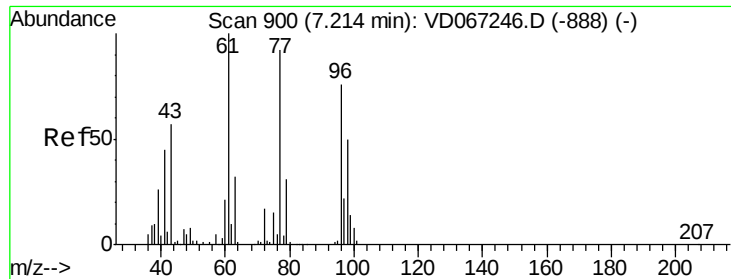
Tgt Ion: 77 Resp: 102397

Ion Ratio Lower Upper

77 100

97 24.2 11.4 34.2





#27

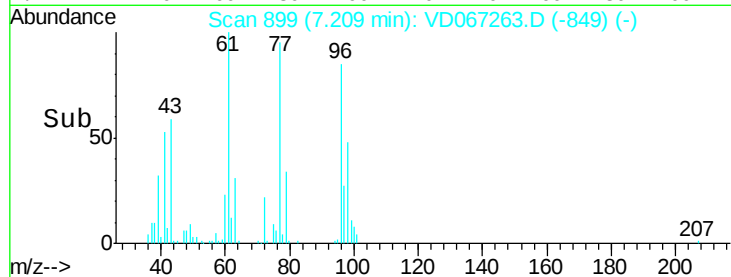
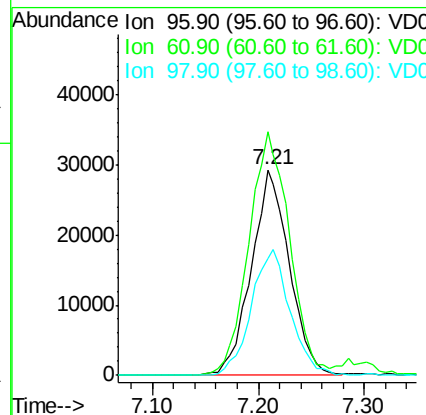
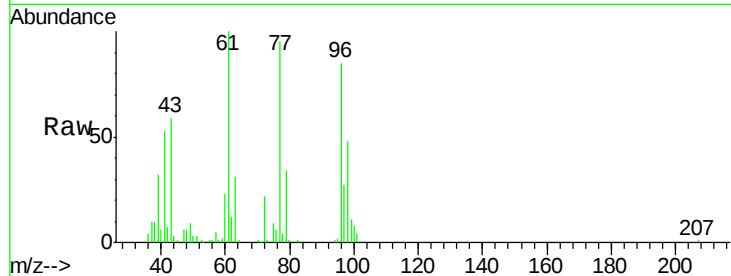
cis-1,2-Dichloroethene
Concen: 21.004 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.3	0.0	255.4
98	62.4	0.0	128.0

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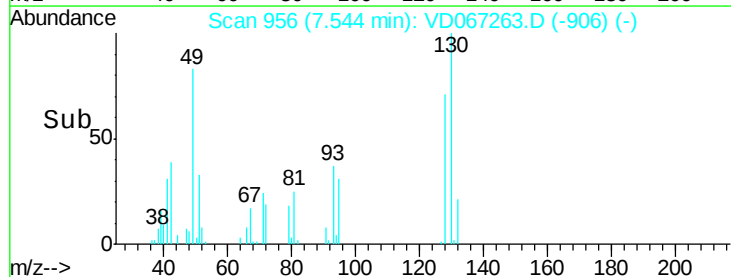
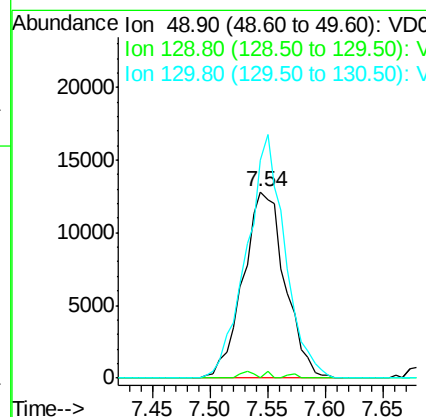
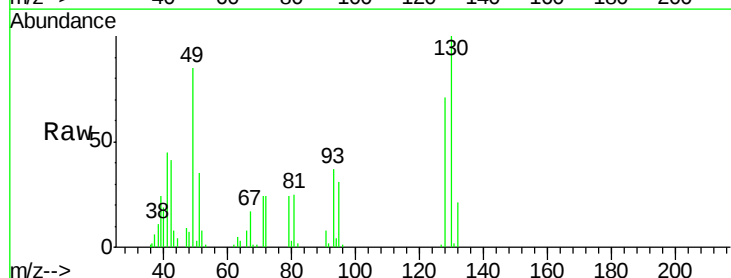
MMDadoda
10/15/2020 12:18:44 PM

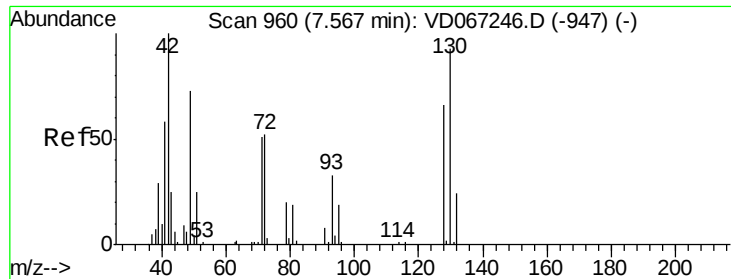


#28

Bromochloromethane
Concen: 19.112 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.6
130	119.6	91.0	136.6





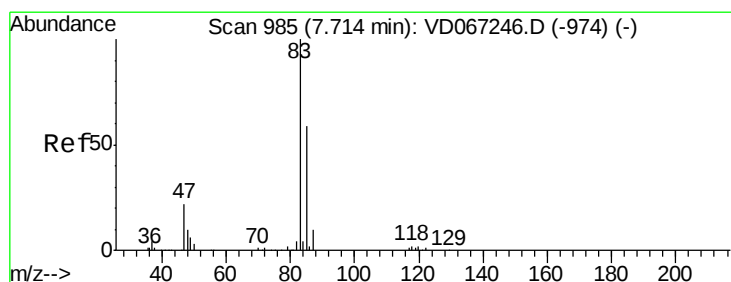
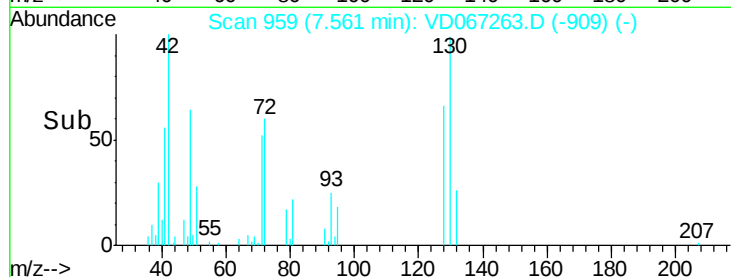
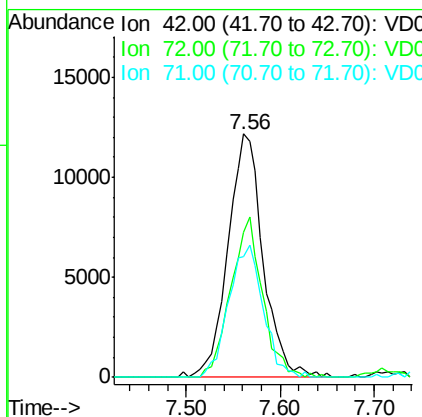
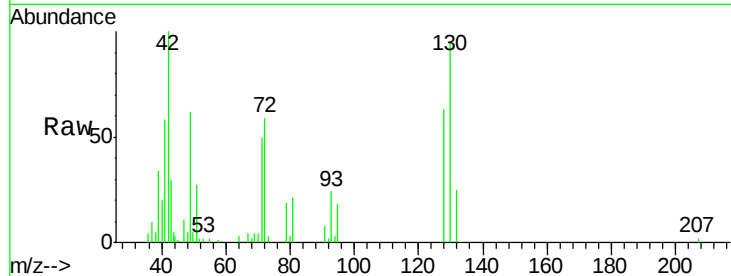
#29
Tetrahydrofuran
Concen: 105.512 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.3	43.2	64.8
71	53.5	39.4	59.0

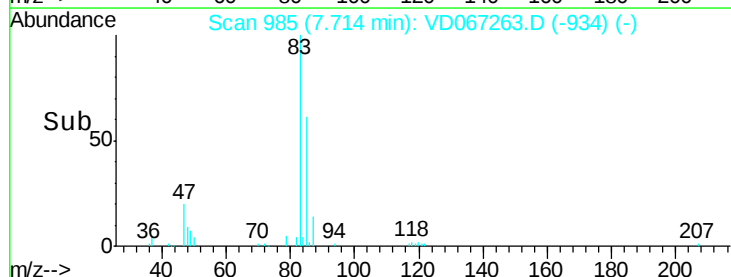
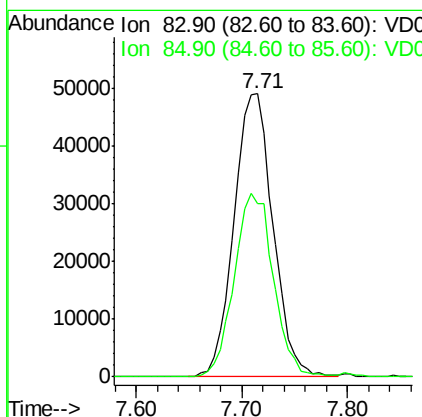
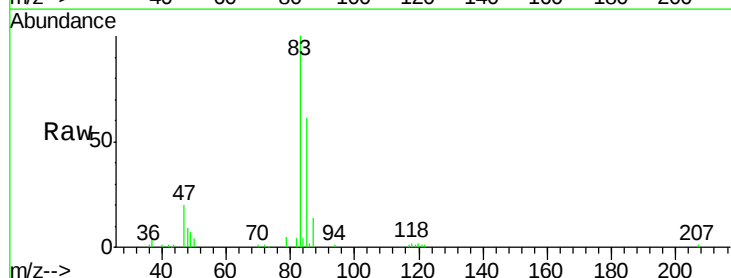
Manual Integrations
APPROVED

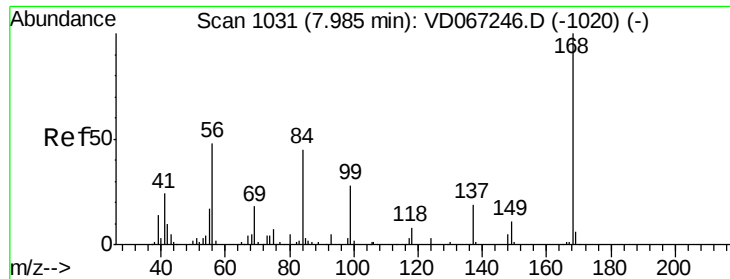
MMDadoda
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#30
Chloroform
Concen: 21.221 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	47.3	70.9





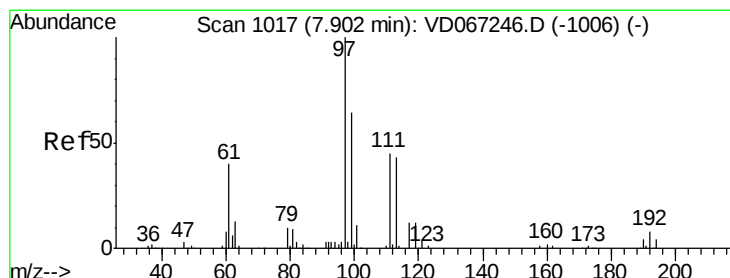
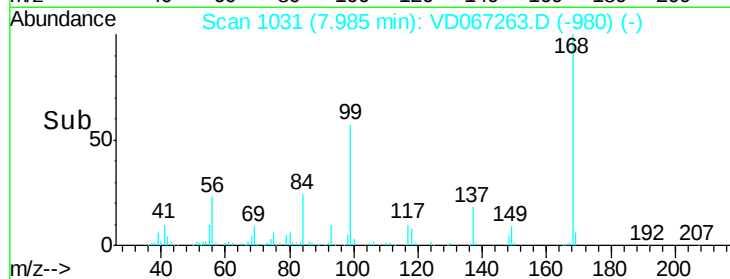
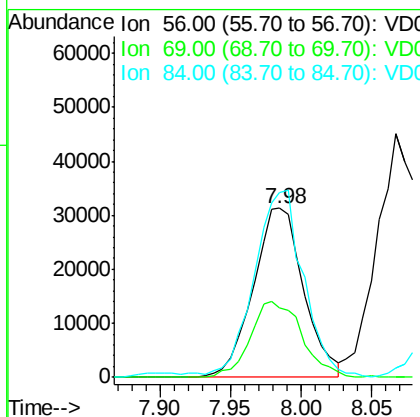
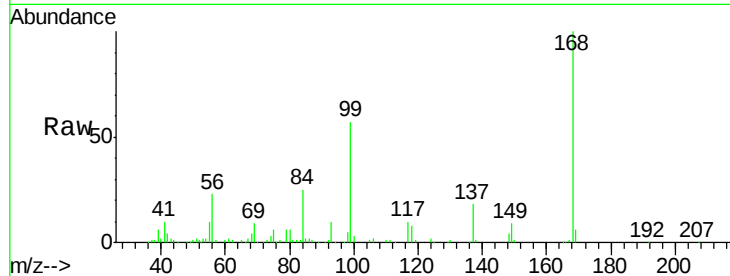
#31
Cyclohexane
Concen: 20.196 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100				
69	41.0	29.8	44.6		
84	107.1	76.6	114.8		

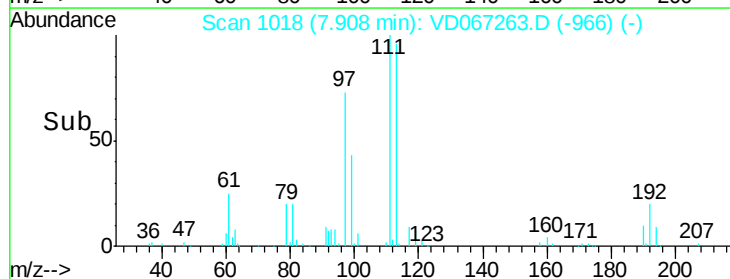
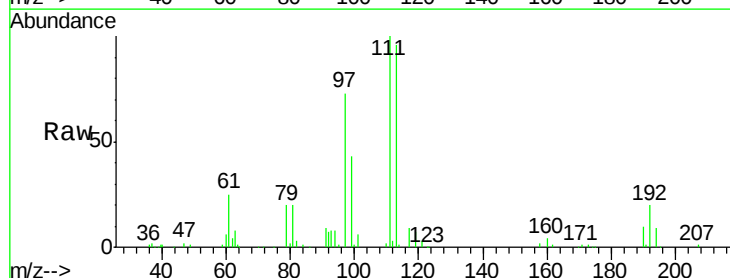
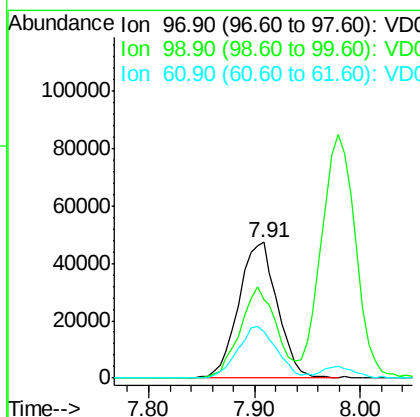
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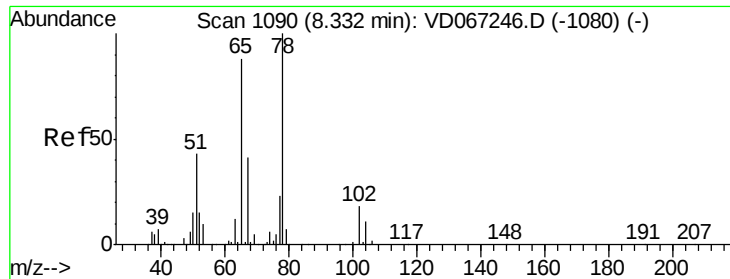
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#32
1,1,1-Trichloroethane
Concen: 20.760 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
99	63.4	50.2	75.4		
61	37.9	30.5	45.7		





#33

1,2-Dichloroethane-d4

Concen: 50.294 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 65 Resp: 169011

Ion Ratio Lower Upper

65 100

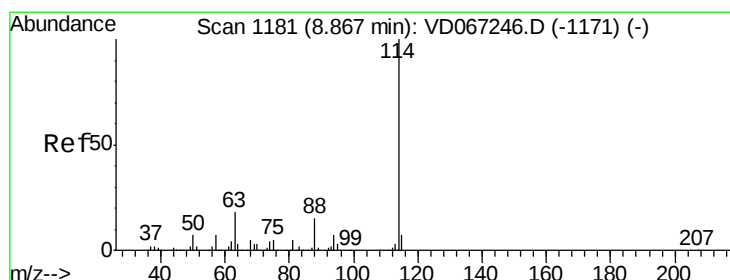
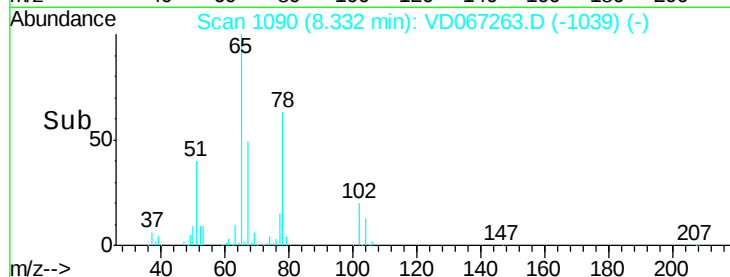
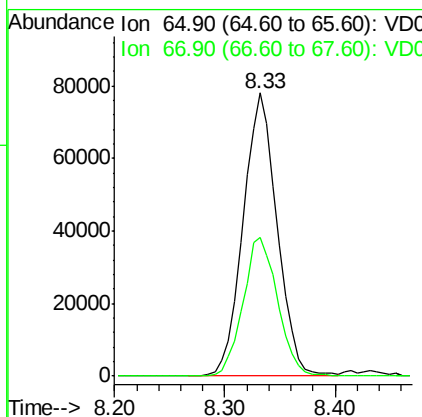
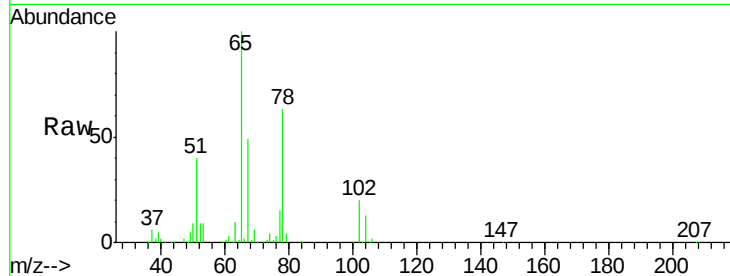
67 49.9 0.0 103.8

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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: VD067263.D

Acq: 14 Oct 2020 11:38

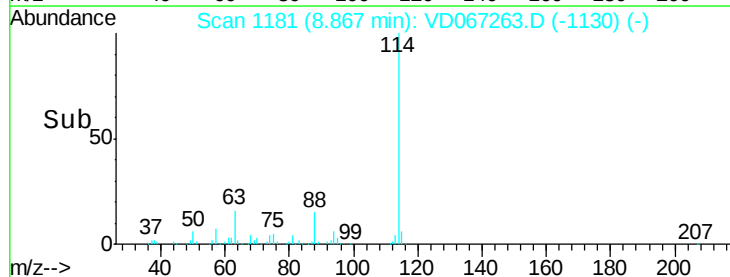
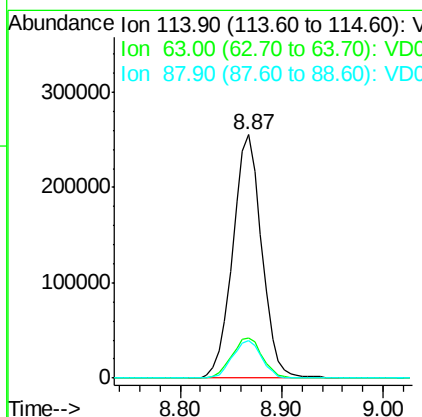
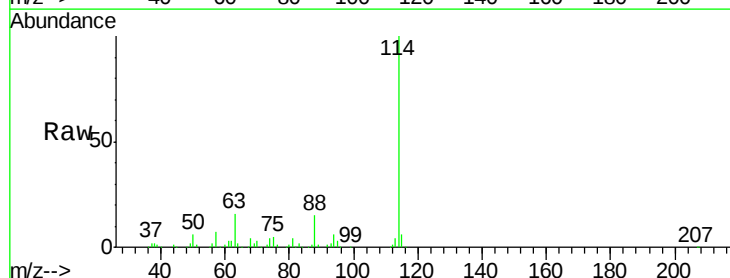
Tgt Ion: 114 Resp: 505933

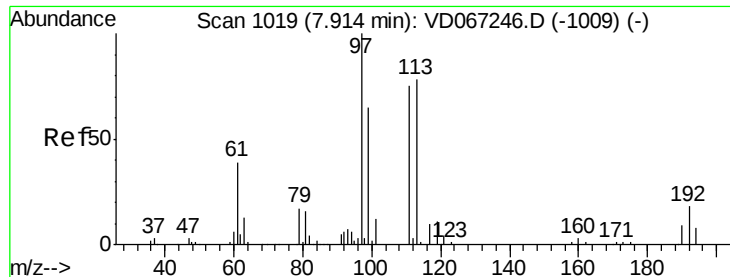
Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

88 15.4 0.0 30.6





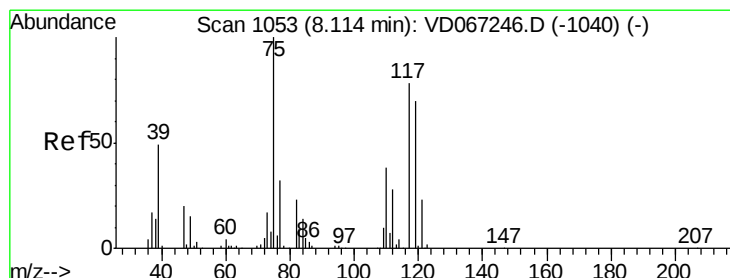
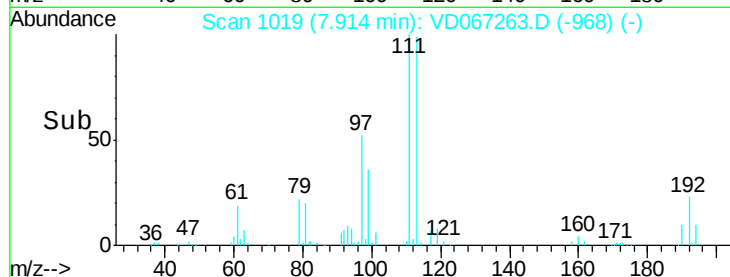
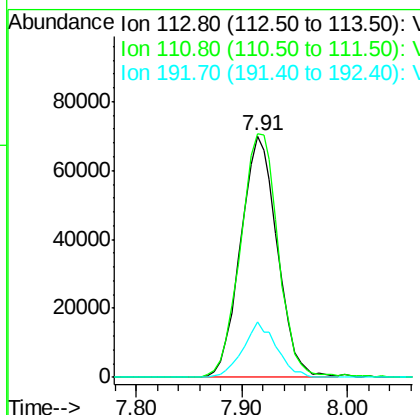
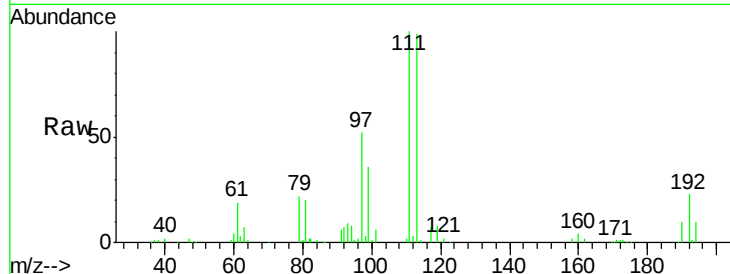
#35
 Dibromofluoromethane
 Concen: 50.024 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168429		
111	104.3	81.6	122.4	
192	21.1	17.0	25.4	

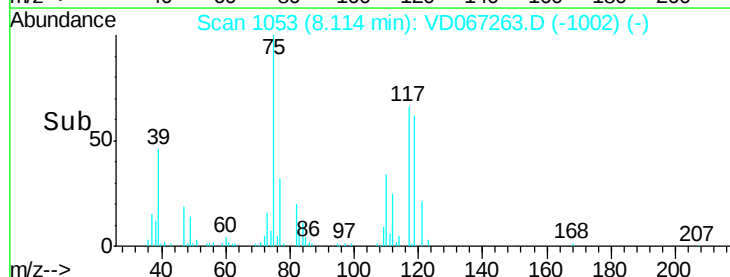
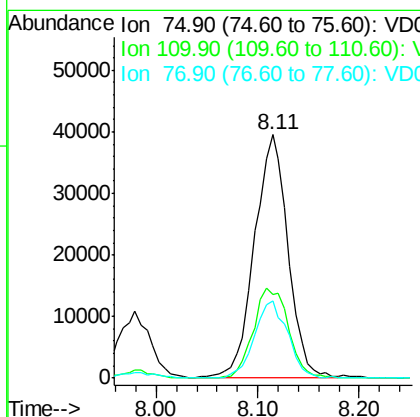
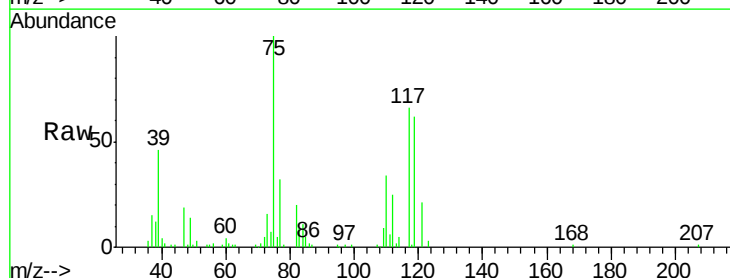
Manual Integrations
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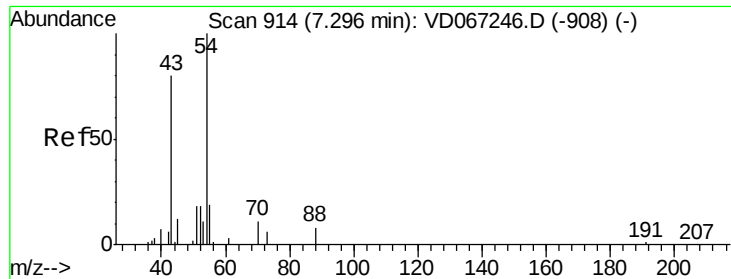
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#36
 1,1-Dichloropropene
 Concen: 21.389 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91718		
110	38.7	19.6	58.7	
77	31.4	24.6	37.0	





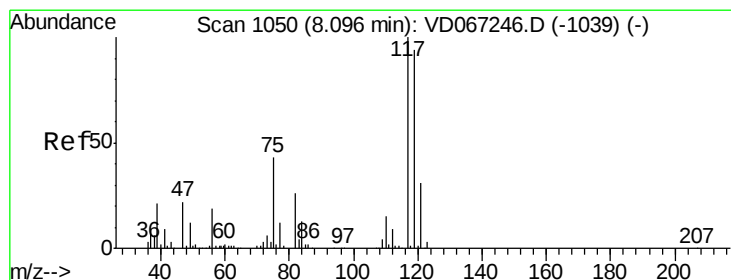
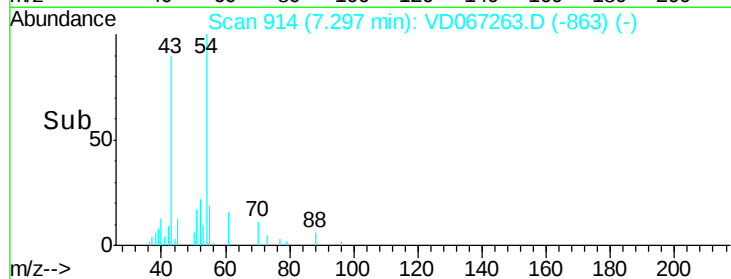
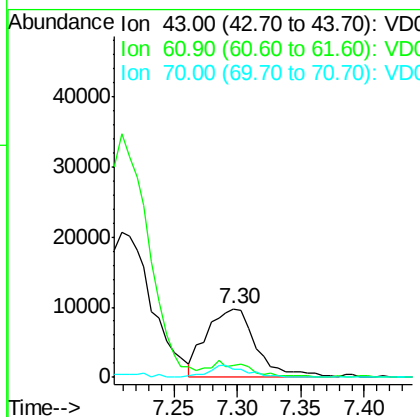
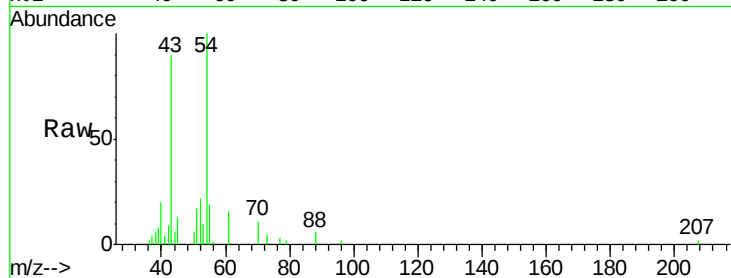
#37
Ethyl Acetate
Concen: 21.054 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.6	23.4
70	13.0	10.4	15.6

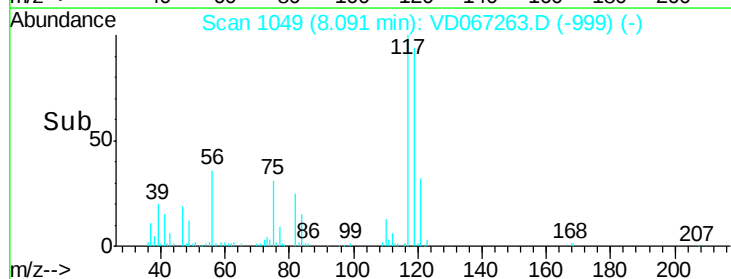
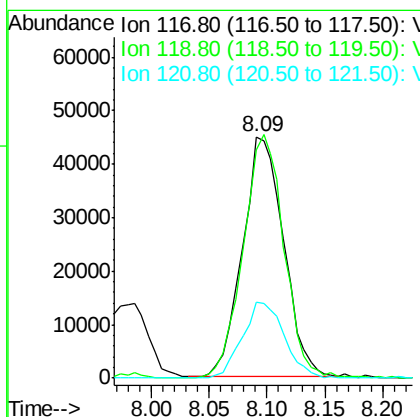
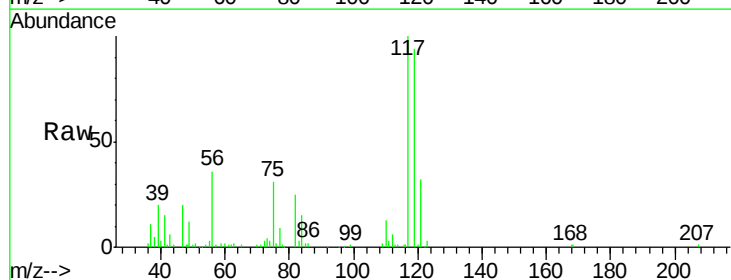
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#38
Carbon Tetrachloride
Concen: 20.333 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.0	112.4
121	31.7	24.9	37.3





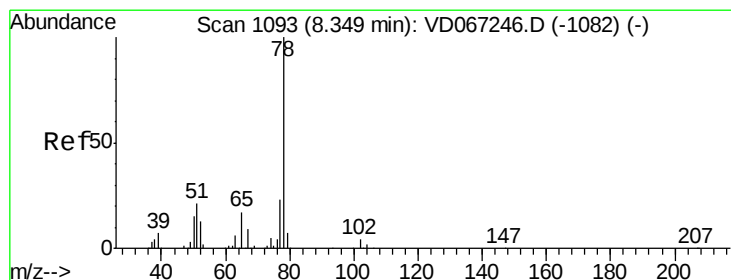
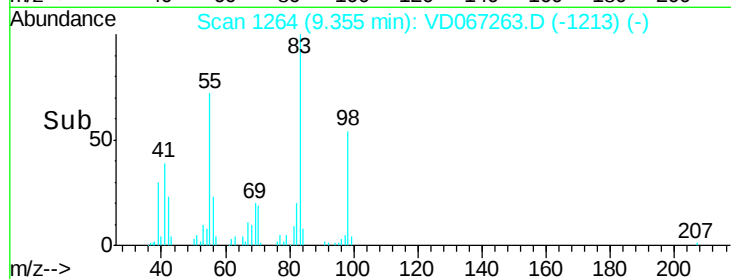
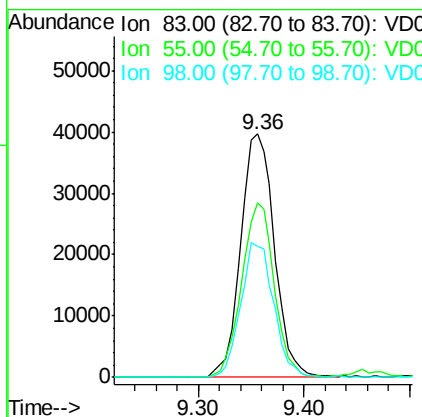
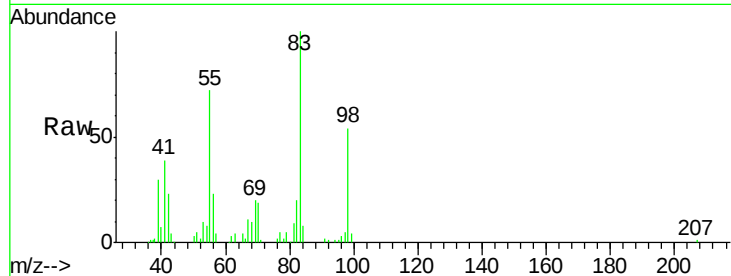
#39
Methvlcvclohexane
Concen: 19.609 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	53.3	79.9
98	53.8	41.0	61.4

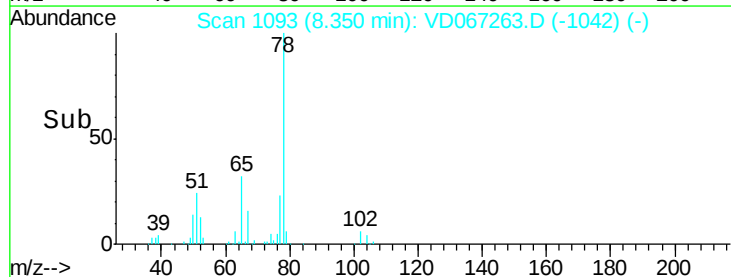
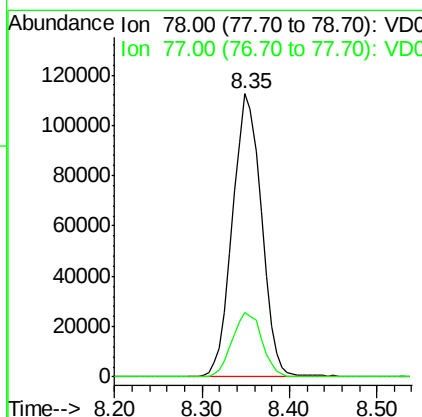
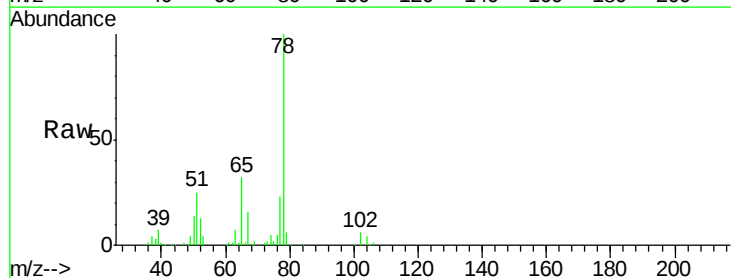
Manual Integrations
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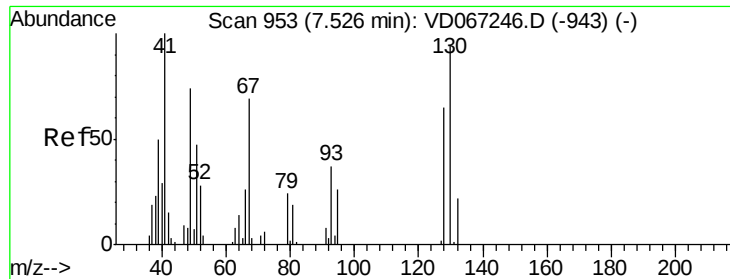
MMDadoda
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#40
Benzene
Concen: 21.527 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.3	27.5





#41

Methacrylonitrile

Concen: 22.139 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 41 Resp: 15094

Ion Ratio Lower Upper

41 100

39 53.9 60.0 90.0#

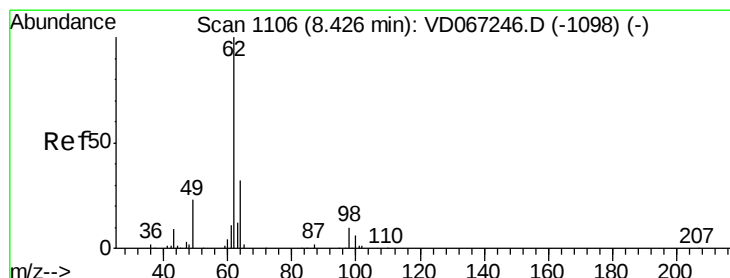
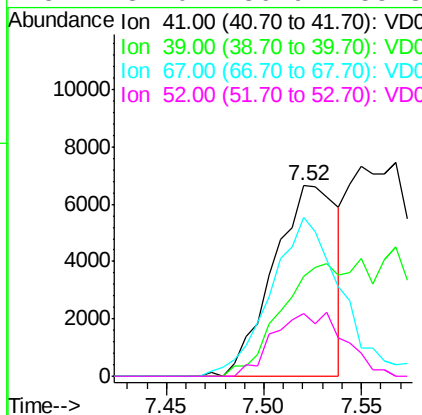
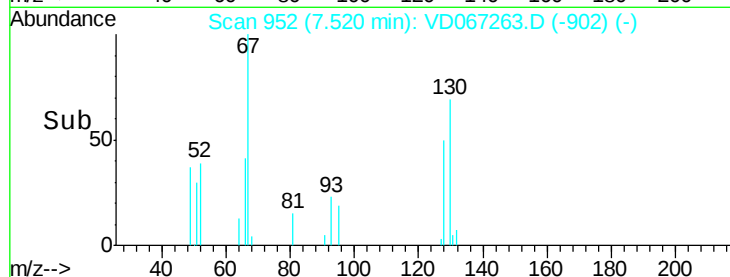
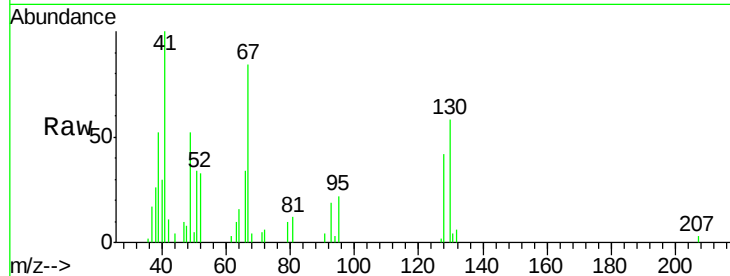
67 92.1 88.9 133.3

52 37.0 36.9 55.3

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.248 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067263.D

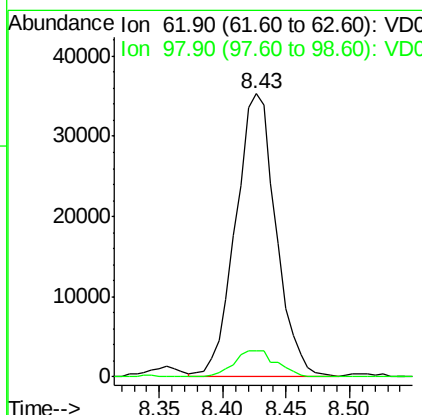
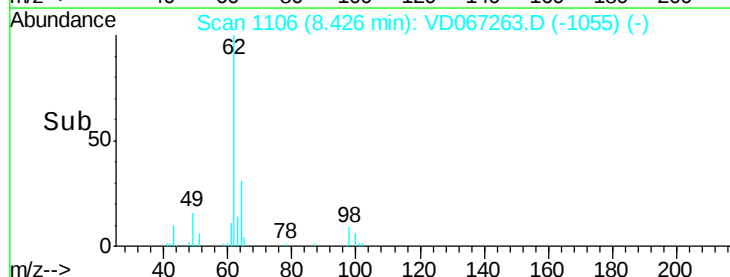
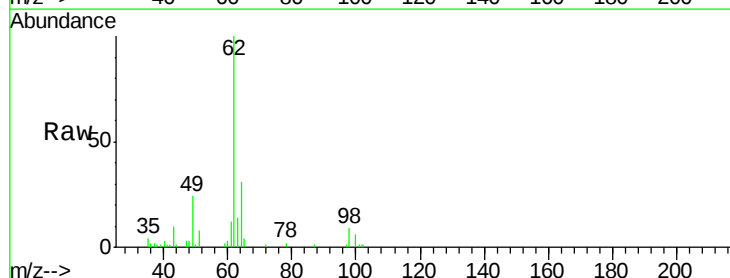
Acq: 14 Oct 2020 11:38

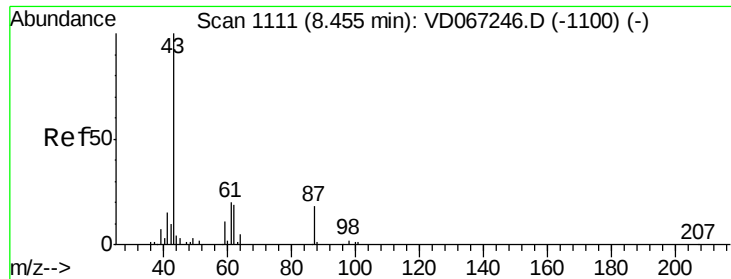
Tgt Ion: 62 Resp: 78224

Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.706 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

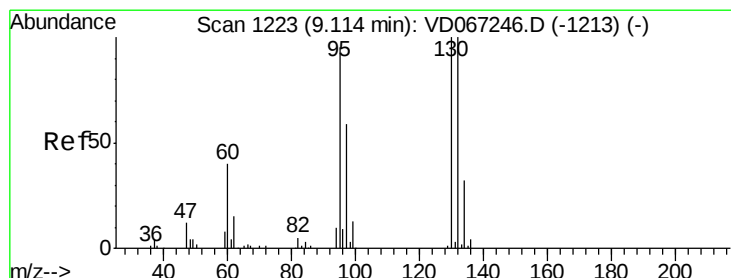
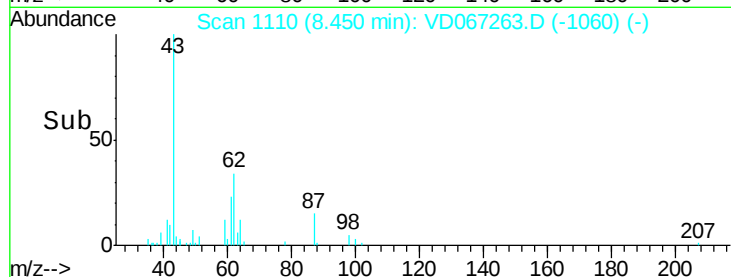
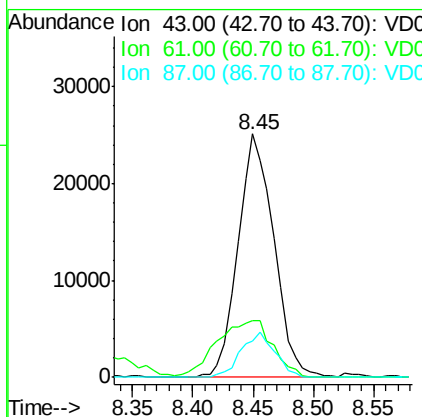
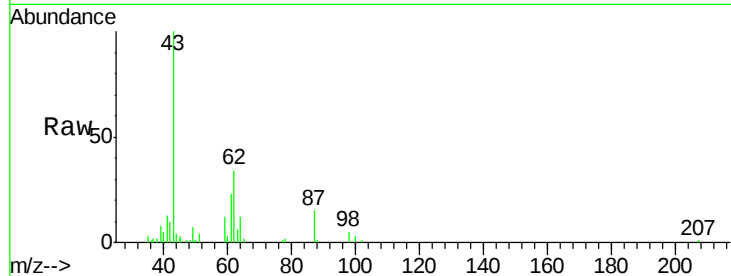
ClientSampleId :

VD1014SBS01

Tot Ion:	43	Resp:	51835
Ion	Ratio	Lower	Upper
43	100		
61	36.3	29.5	44.3
87	17.5	14.2	21.4

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#44

Trichloroethene

Concen: 22.105 ug/l

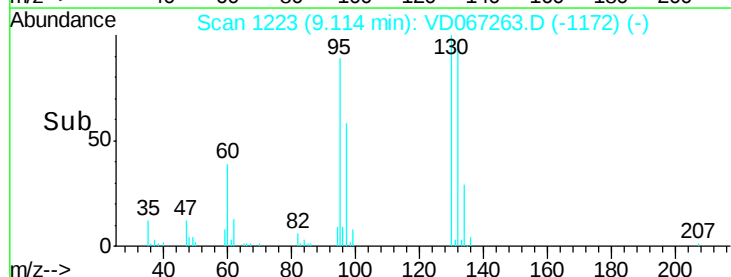
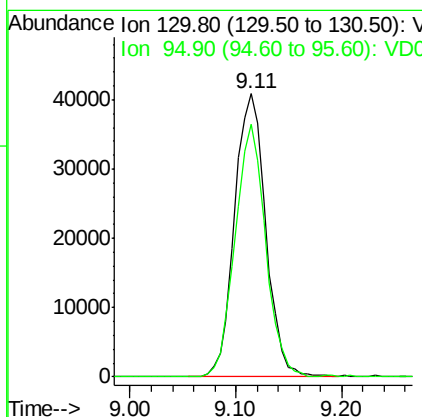
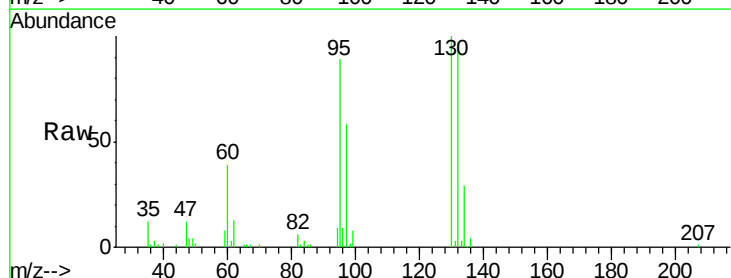
RT: 9.11 min Scan# 1223

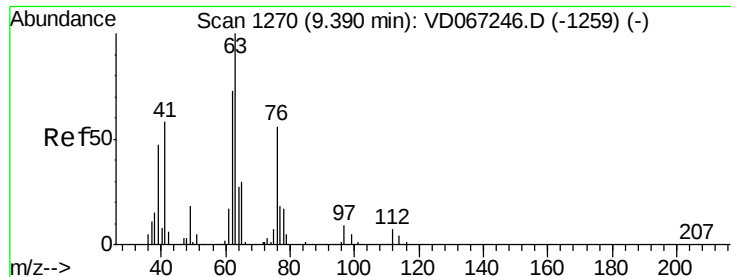
Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Tgt Ion:	130	Resp:	83258
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 21.180 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 63 Resp: 57746

Ion Ratio Lower Upper

63 100

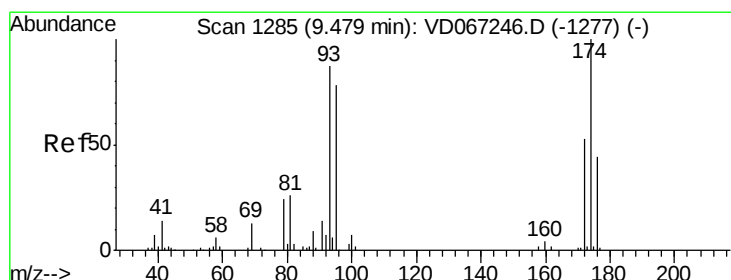
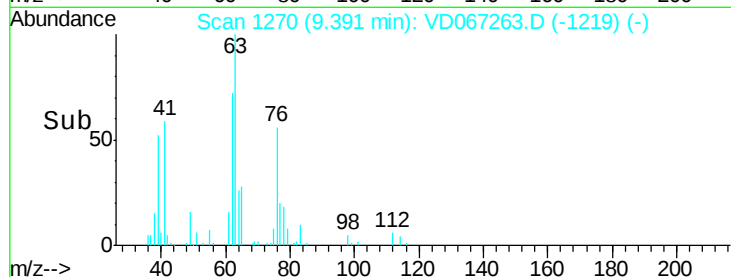
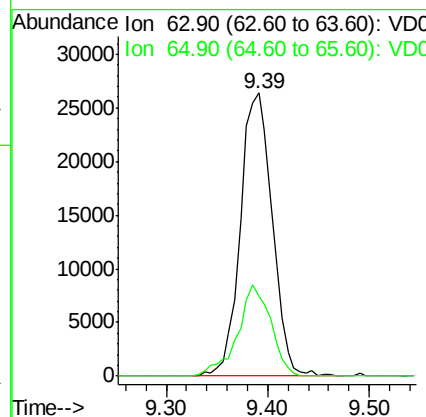
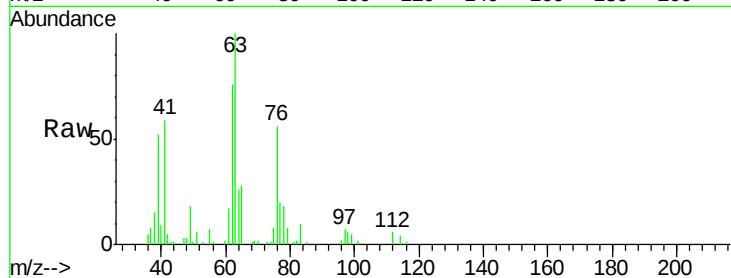
65 28.1 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 20.282 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

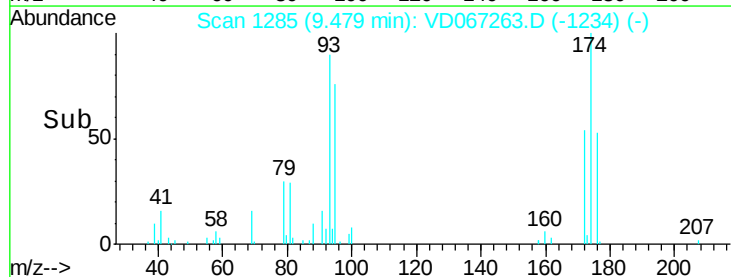
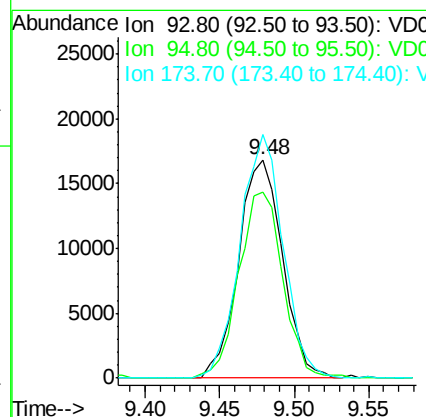
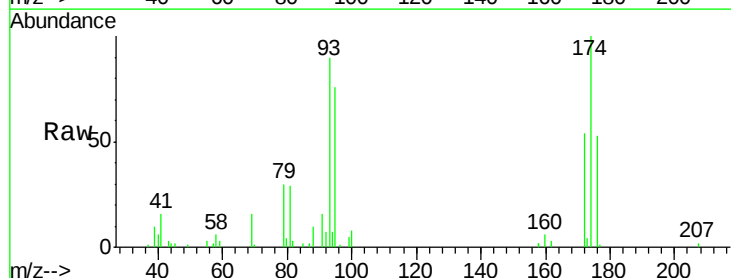
Tgt Ion: 93 Resp: 34452

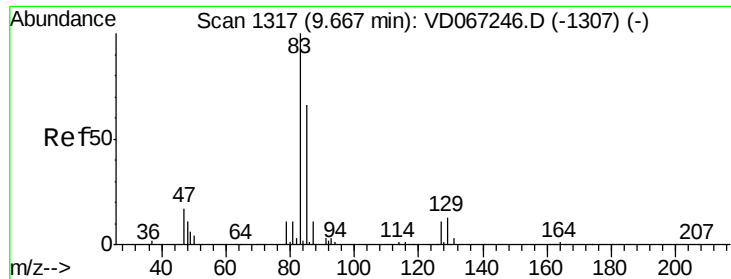
Ion Ratio Lower Upper

93 100

95 85.0 68.0 102.0

174 108.6 91.8 137.6





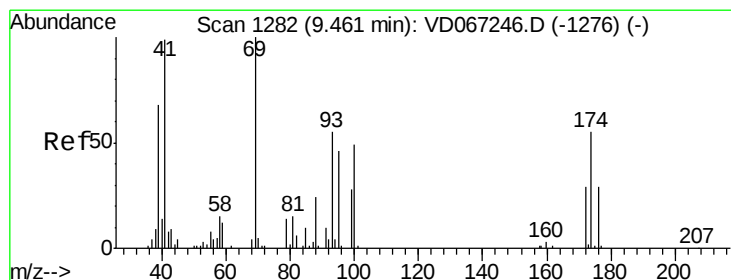
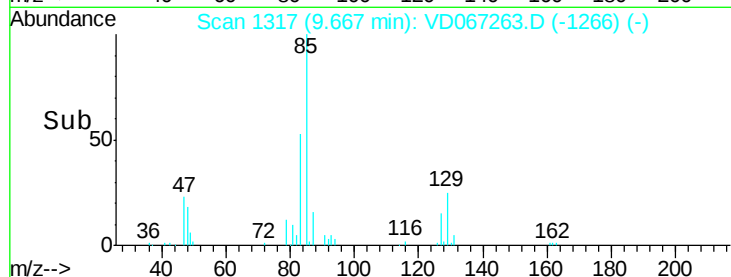
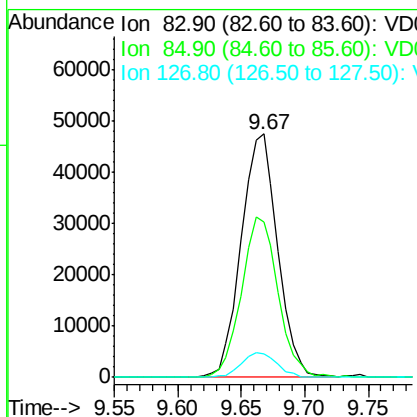
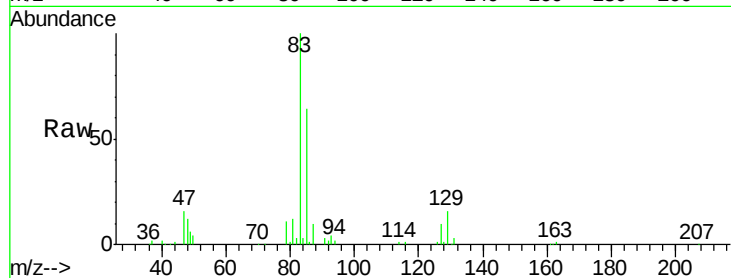
#47
Bromodichloromethane
Concen: 20.799 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	83	Resp	94661
Ion Ratio	100		
85	63.6	53.1	79.7
127	9.7	8.6	13.0

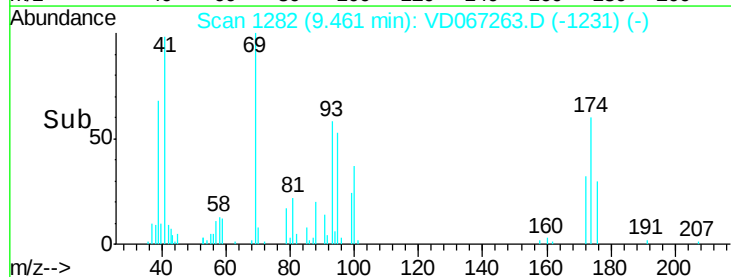
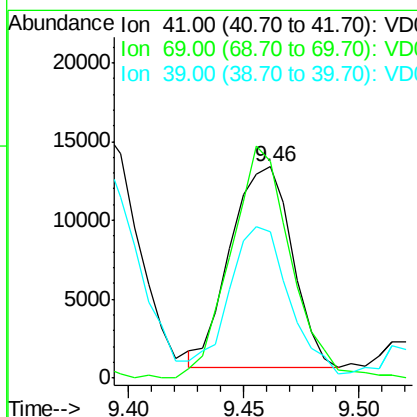
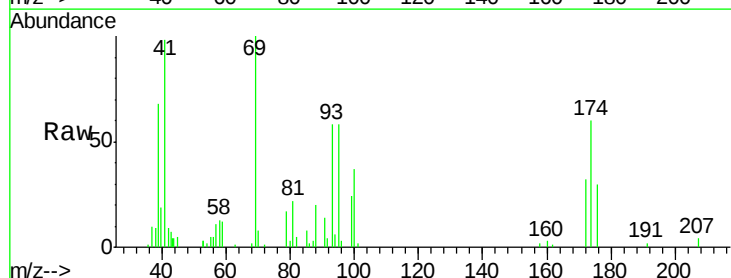
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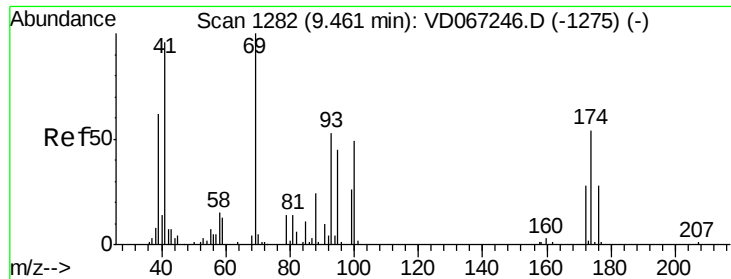
MMDadoda
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#48
Methyl methacrylate
Concen: 19.378 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	41	Resp	23575
Ion Ratio	100		
69	113.3	89.0	133.6
39	76.0	60.2	90.2





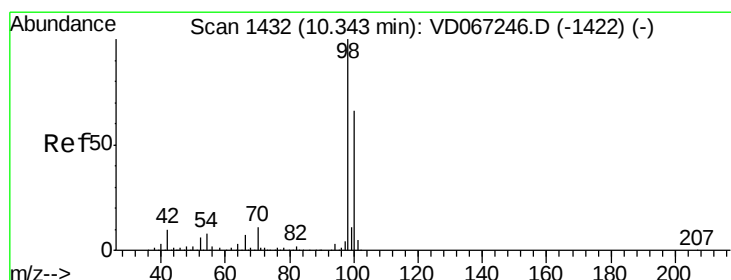
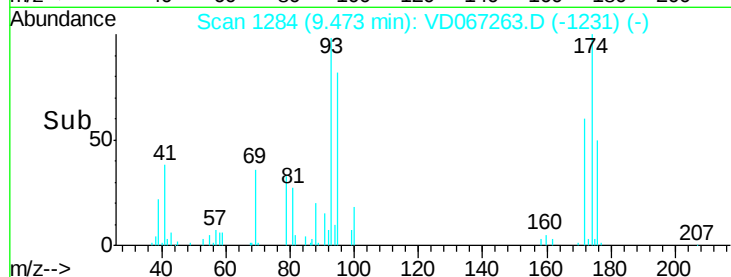
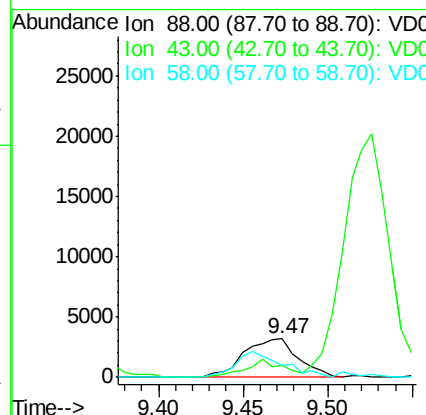
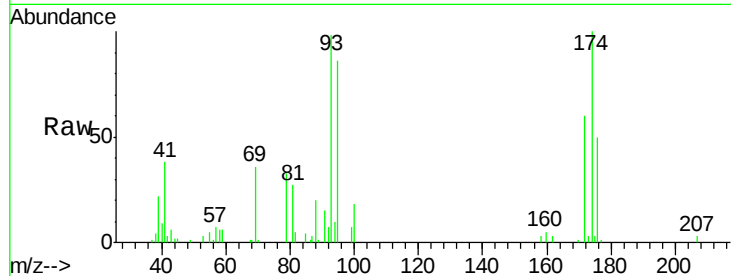
#49
1,4-Dioxane
Concen: 415.935 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	88	Resp	7129
Ion	Ratio	Lower	Upper
88	100		
43	33.3	23.9	35.9
58	59.4	51.0	76.6

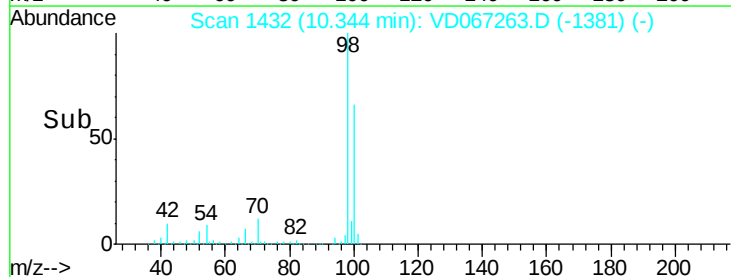
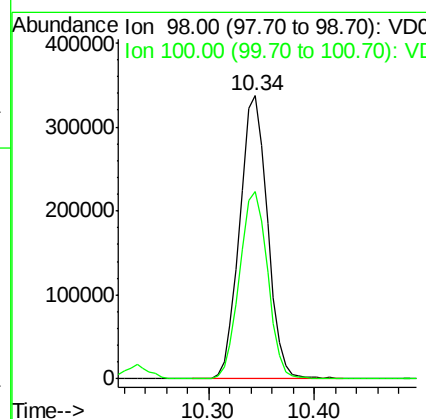
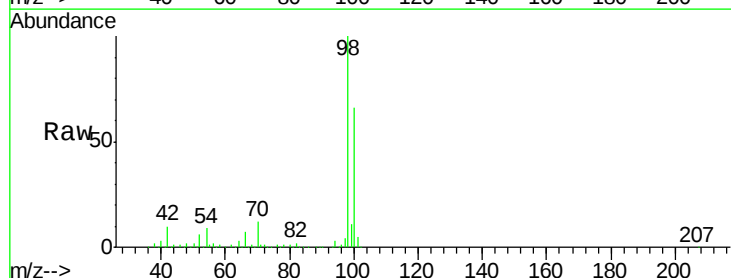
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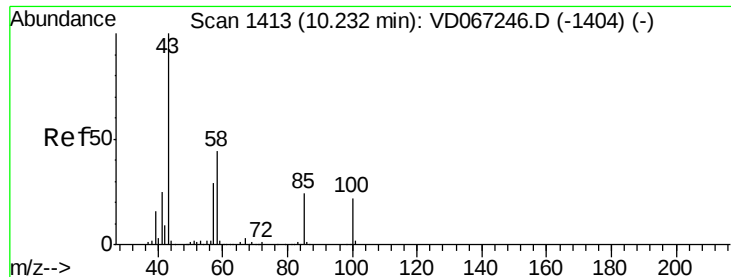
MMDadoda
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#50
Toluene-d8
Concen: 50.409 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	98	Resp	614231
Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.1	79.7





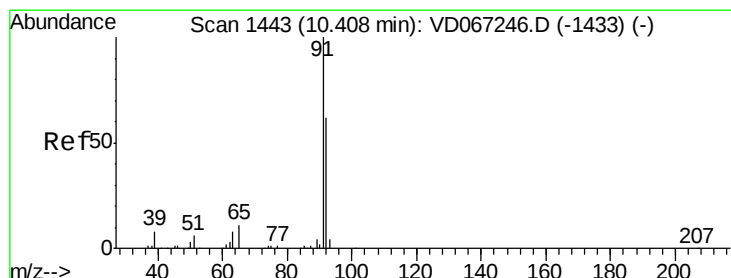
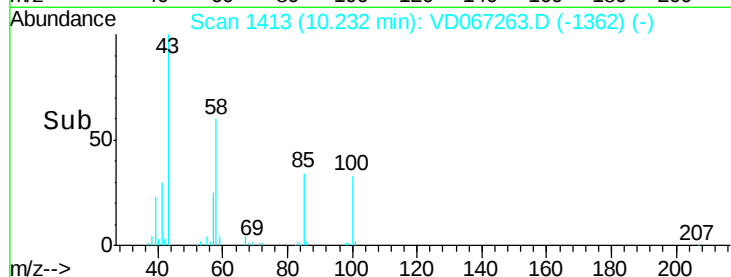
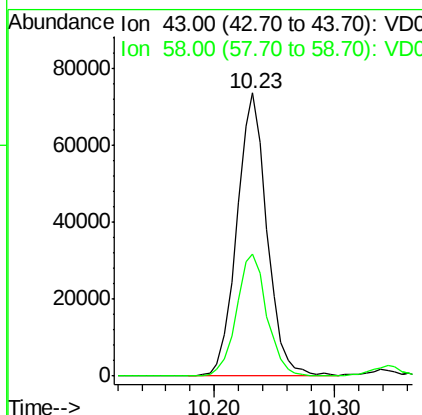
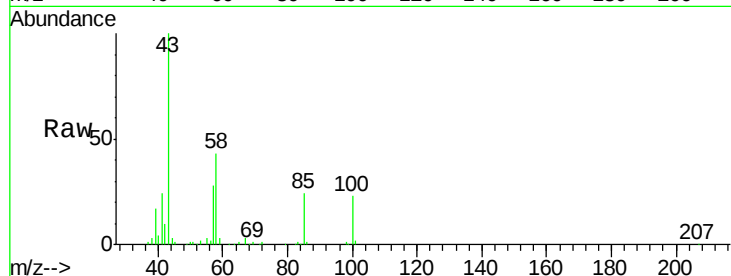
#51
 4-Methyl-2-Pentanone
 Concen: 102.406 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion: 43 Resp: 127867
 Ion Ratio Lower Upper
 43 100
 58 43.5 35.7 53.5

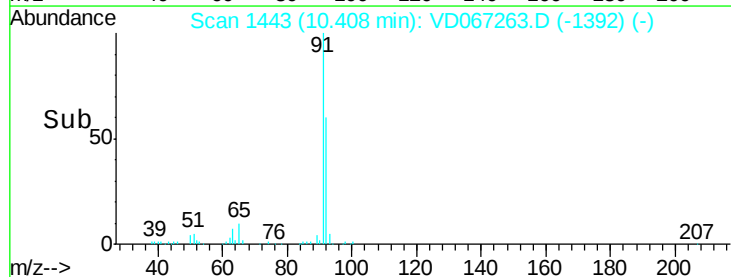
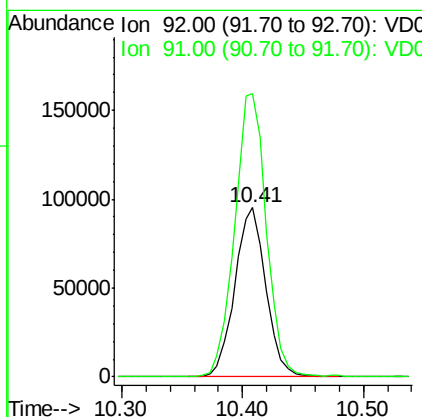
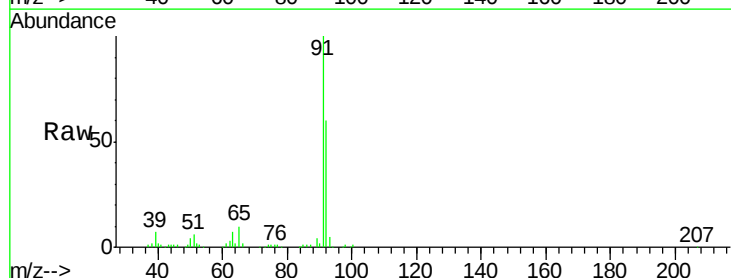
Manual Integrations
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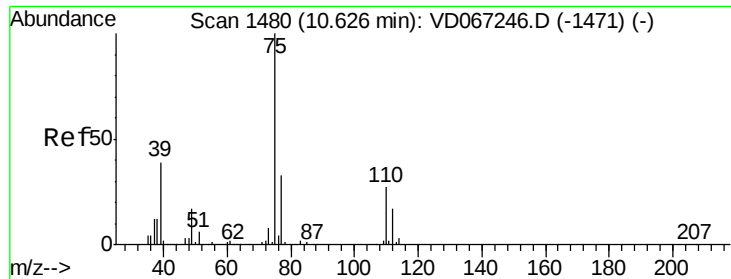
MMDadoda
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#52
 Toluene
 Concen: 21.297 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Tgt Ion: 92 Resp: 170642
 Ion Ratio Lower Upper
 92 100
 91 170.8 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 20.640 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 75 Resp: 82518

Ion Ratio Lower Upper

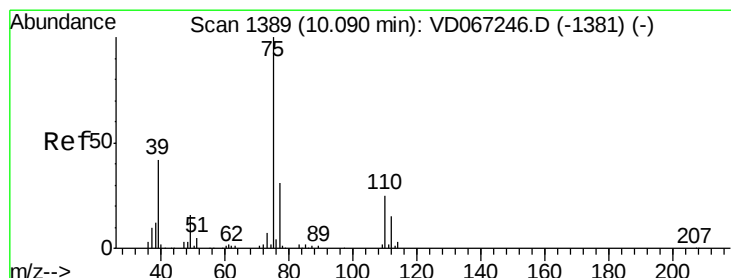
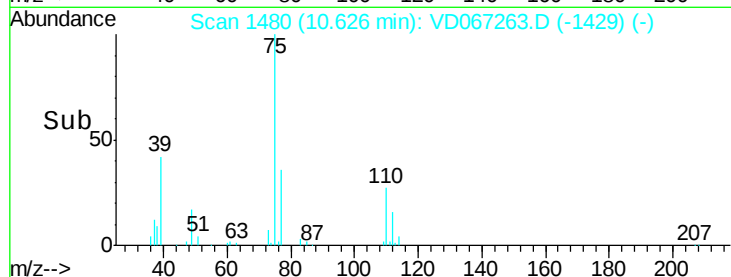
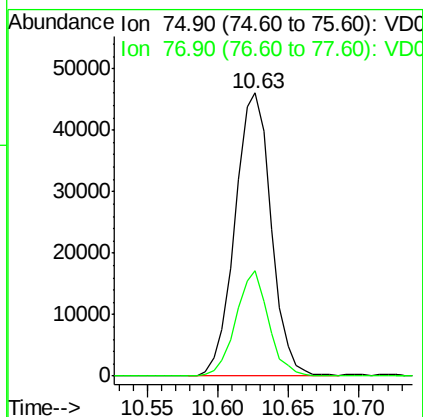
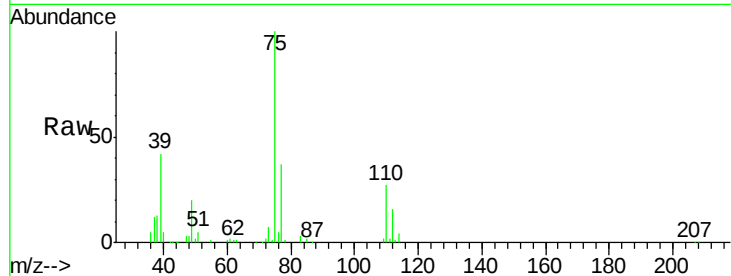
75 100

77 37.2 26.5 39.7

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.707 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

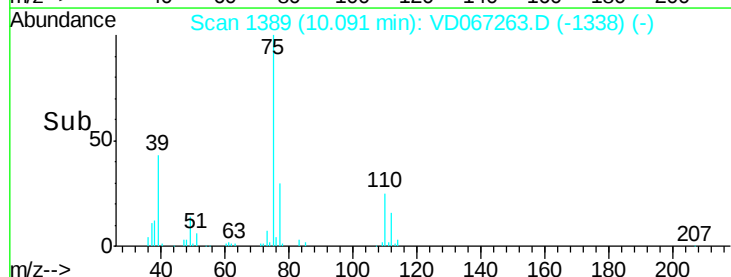
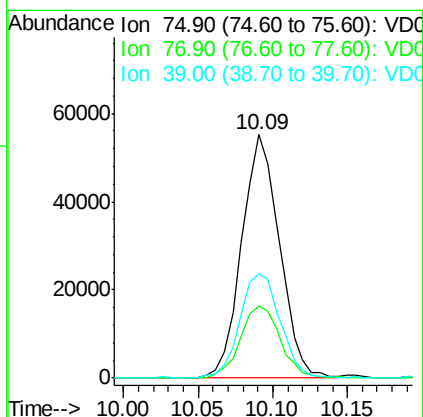
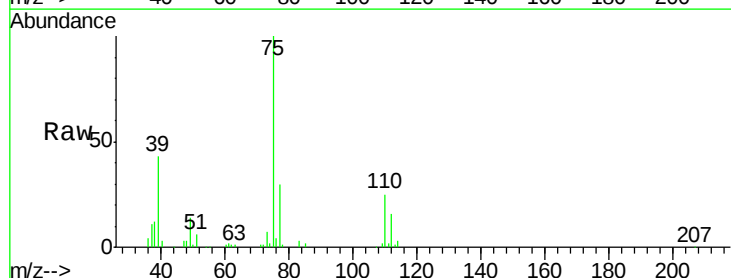
Tgt Ion: 75 Resp: 96887

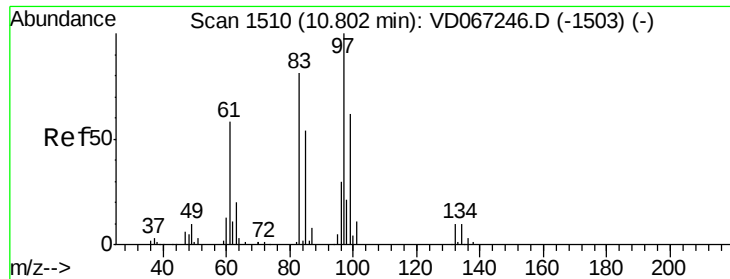
Ion Ratio Lower Upper

75 100

77 29.5 24.5 36.7

39 42.9 33.7 50.5





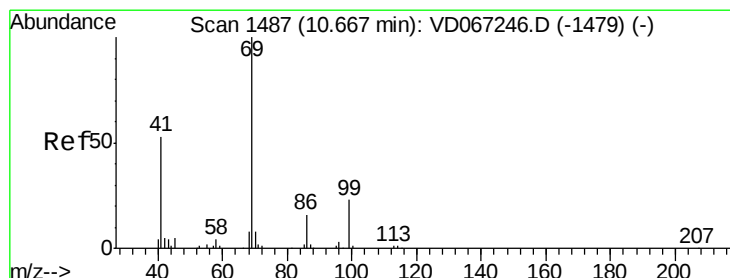
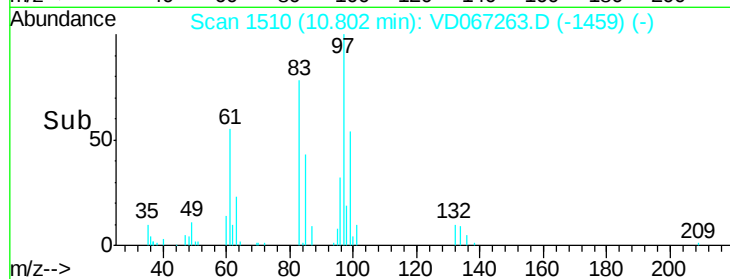
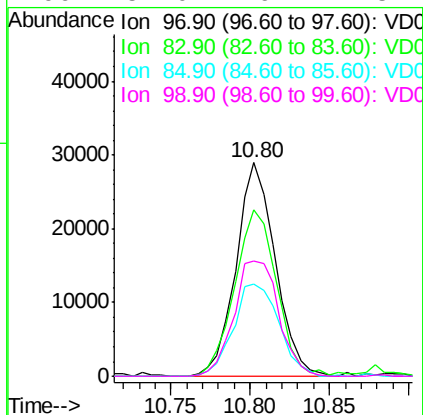
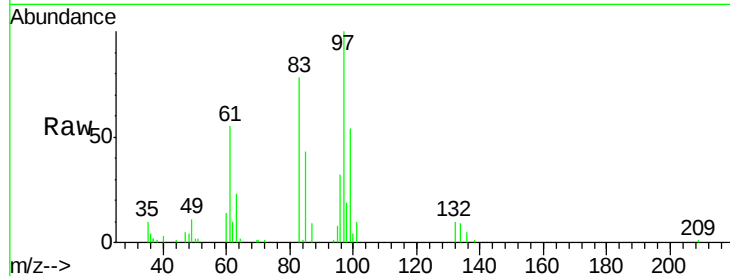
#55
 1,1,2-Trichloroethane
 Concen: 21.496 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion:	97	Resp:	49793
Ion	Ratio	Lower	Upper
97	100		
83	77.9	64.9	97.3
85	43.0	43.3	64.9#
99	54.0	49.1	73.7

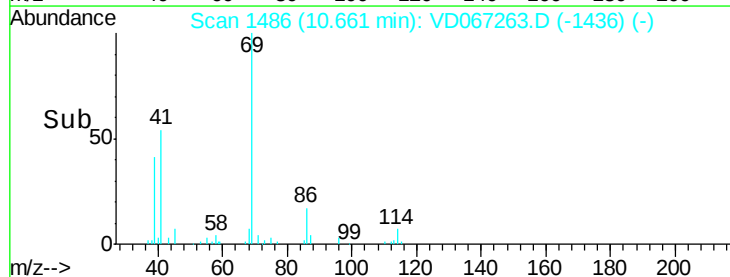
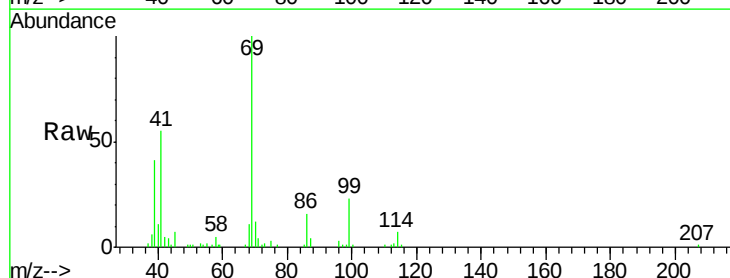
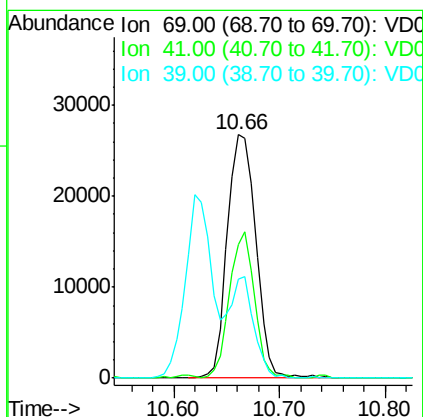
Manual Integrations
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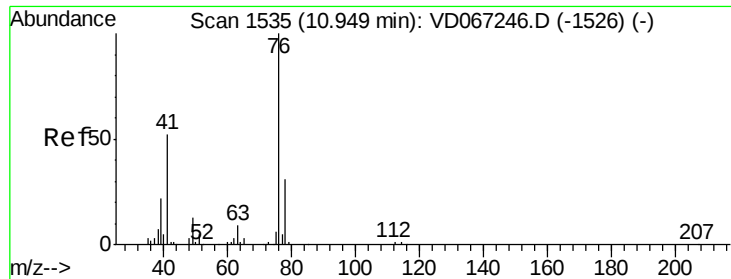
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#56
 Ethyl methacrylate
 Concen: 20.889 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Tgt Ion:	69	Resp:	50182
Ion	Ratio	Lower	Upper
69	100		
41	52.3	44.7	67.1
39	31.5	26.2	39.2





#57

1,3-Dichloropropane

Concen: 21.775 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 76 Resp: 80272

Ion Ratio Lower Upper

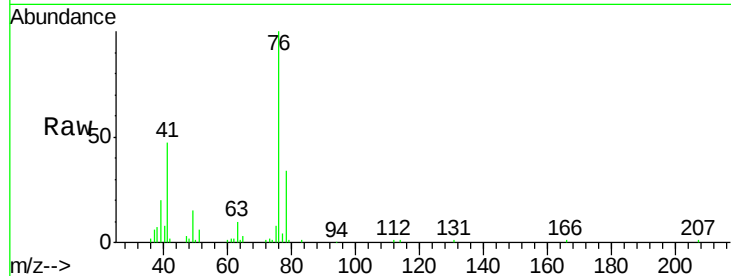
76 100

78 33.1 26.8 40.2

Manual Integrations
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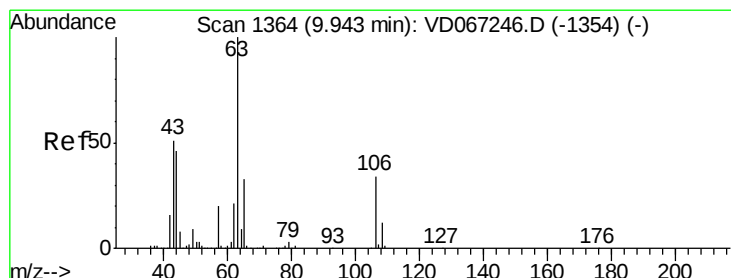
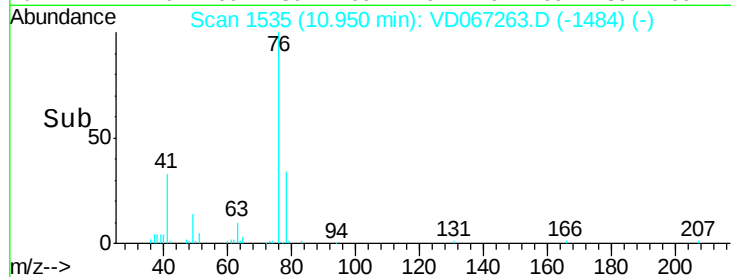
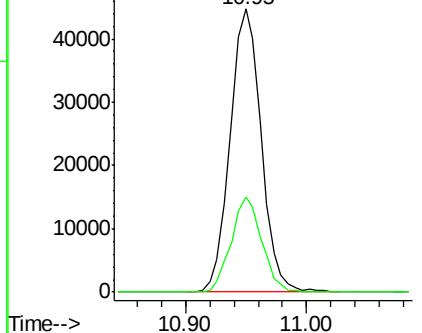
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 100.656 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067263.D

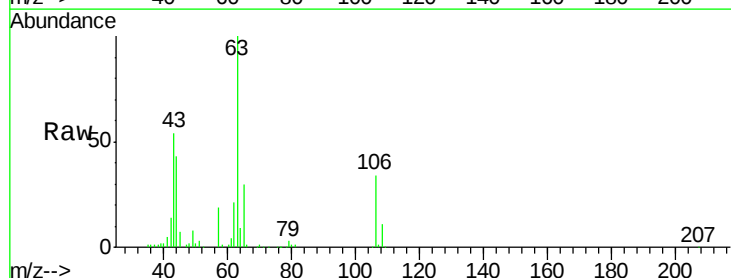
Acq: 14 Oct 2020 11:38

Tgt Ion: 63 Resp: 124049

Ion Ratio Lower Upper

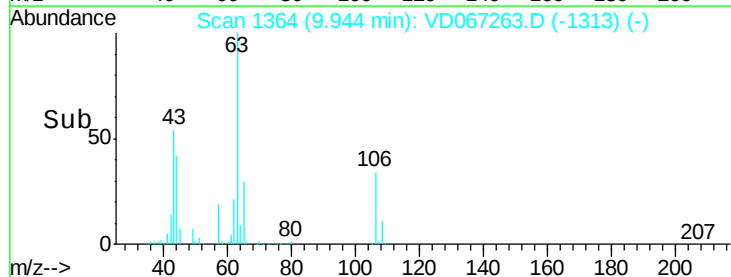
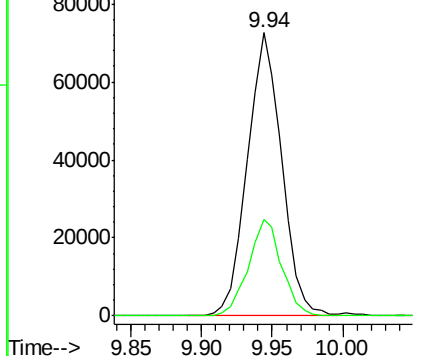
63 100

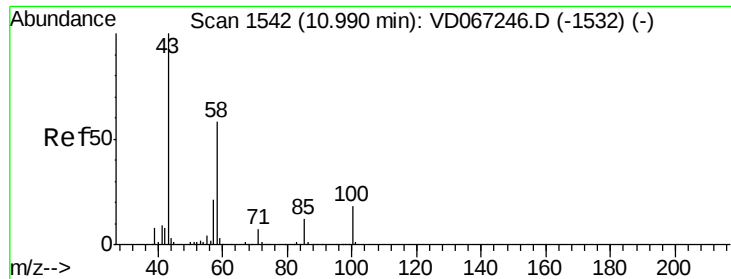
106 32.8 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





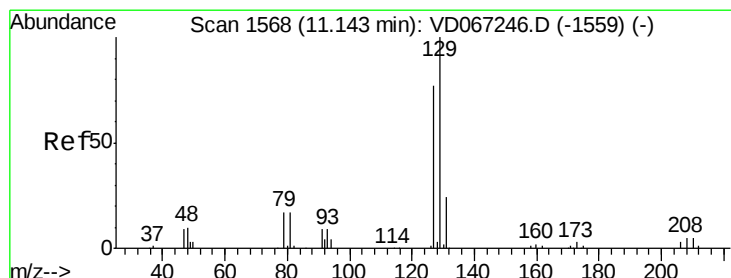
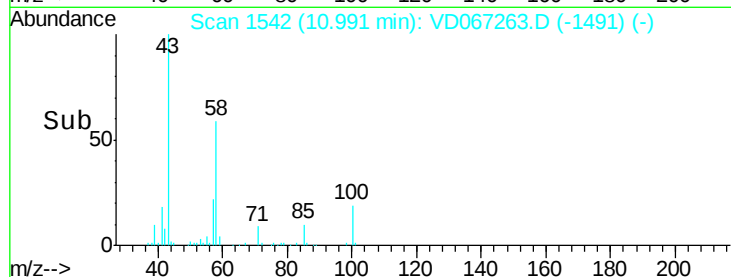
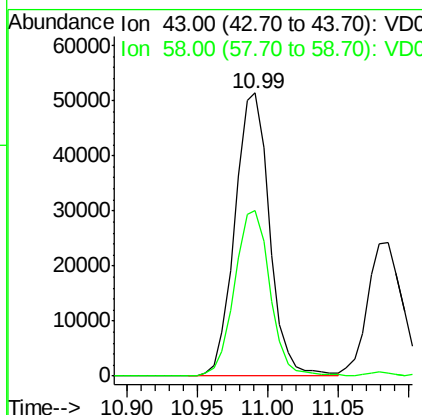
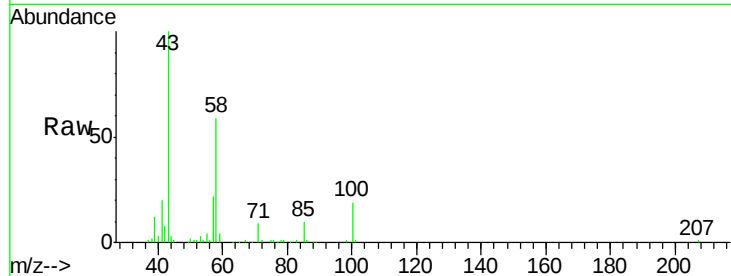
#59
2-Hexanone
Concen: 103.419 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.6	29.3	87.9

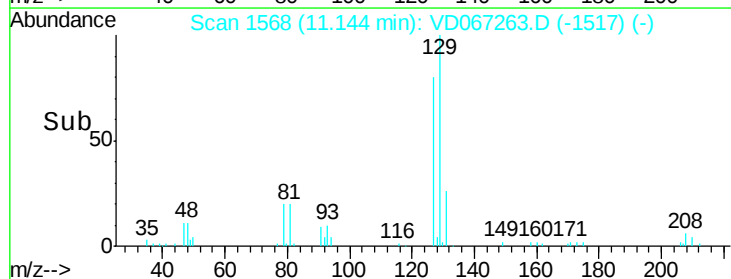
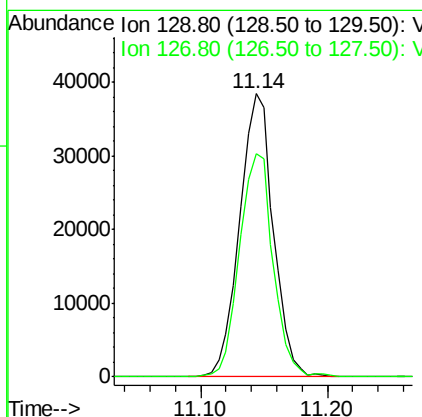
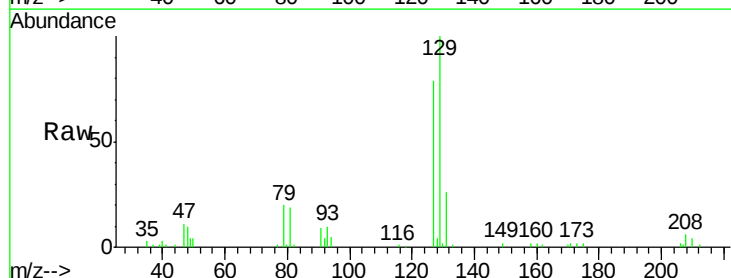
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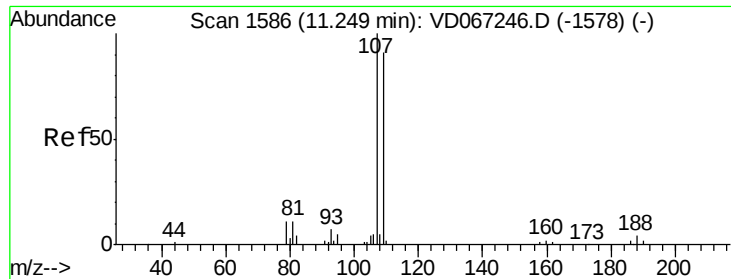
MMDadoda
10/15/2020 12:18:44 PM



#60
Dibromochloromethane
Concen: 21.005 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.3	114.8





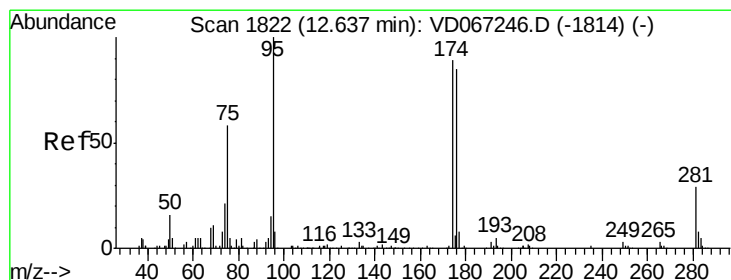
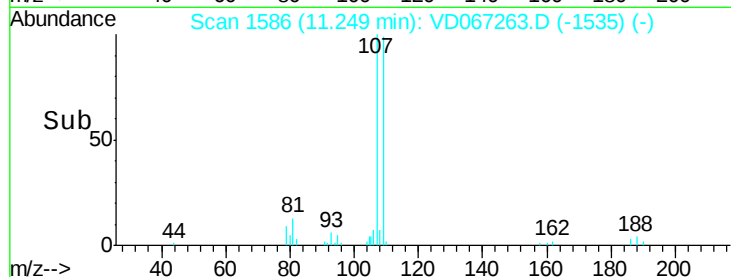
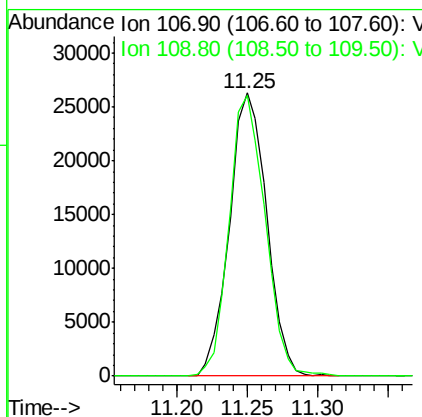
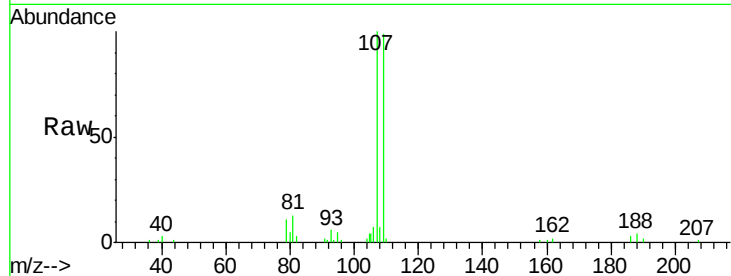
#61
 1,2-Dibromoethane
 Concen: 21.218 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion: 107 Resp: 48453
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.6 112.0

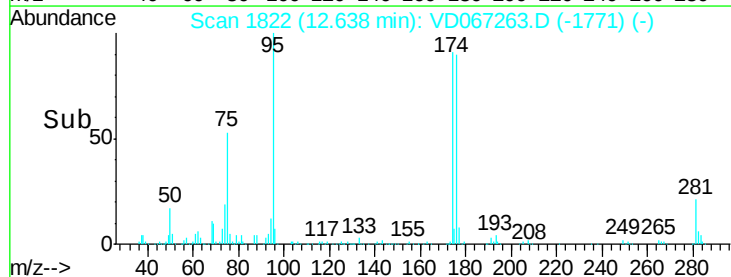
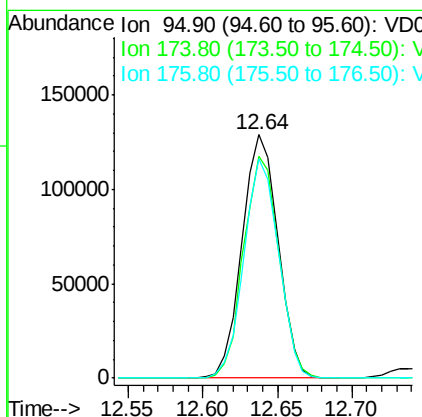
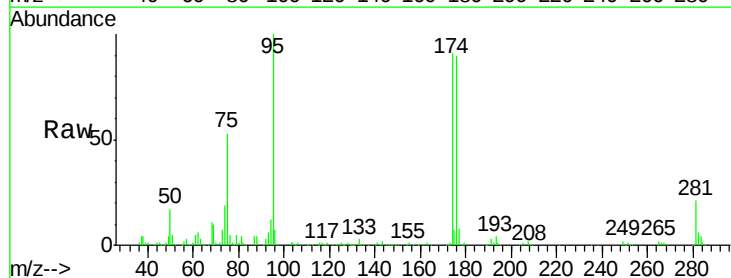
Manual Integrations
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 10/15/2020 12:18:44 PM



#62
 4-Bromofluorobenzene
 Concen: 50.783 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Tgt Ion: 95 Resp: 215165
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 175.2
 176 87.2 0.0 168.6





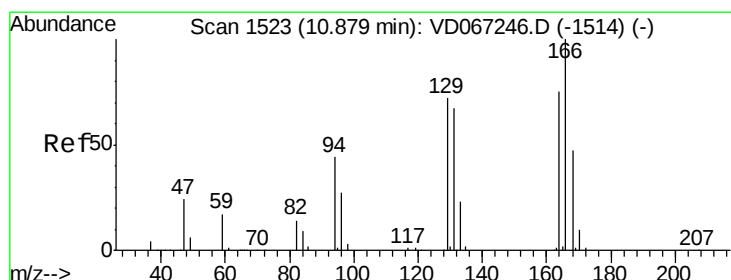
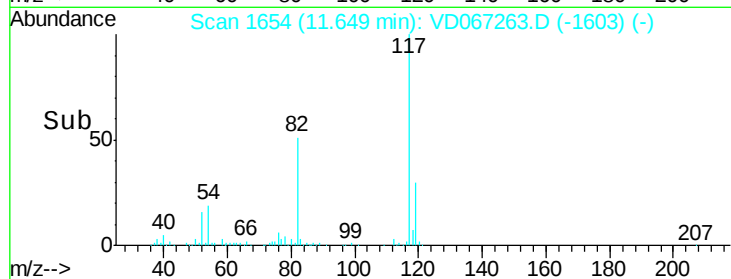
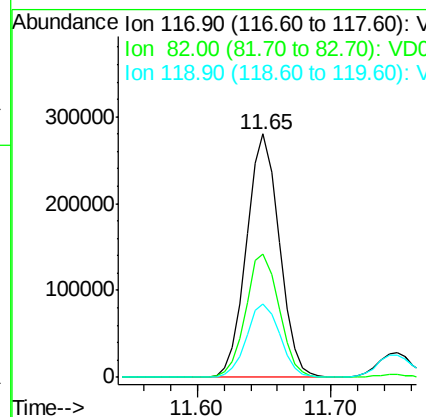
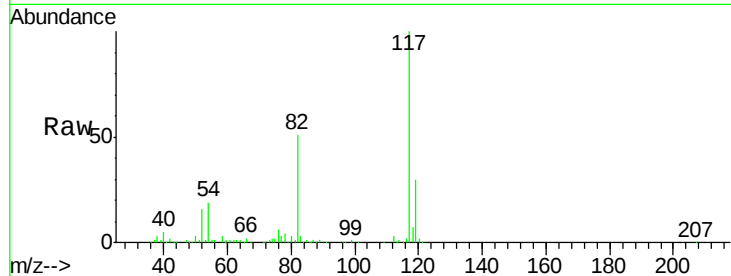
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	39.9	59.9
119	30.4	24.9	37.3

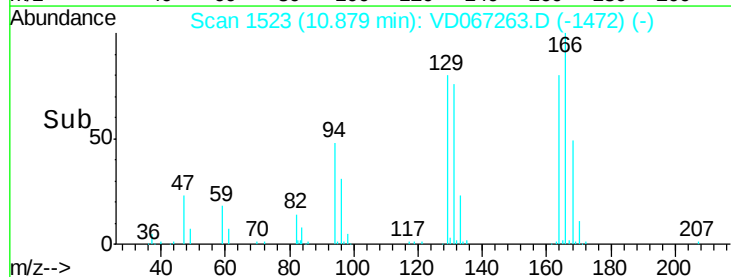
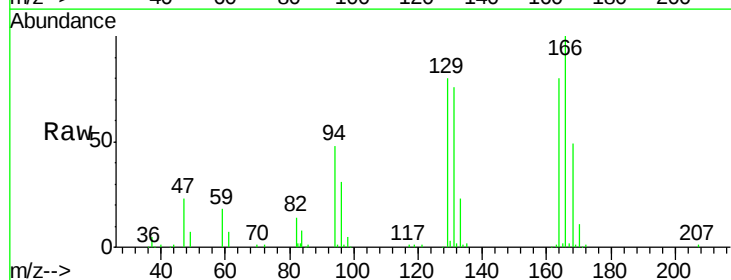
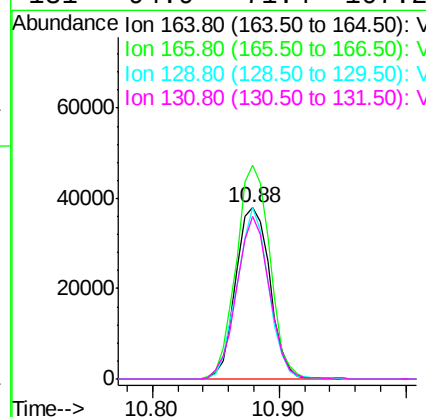
Manual Integrations
APPROVED

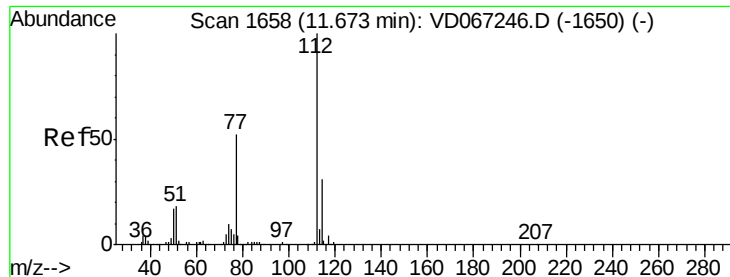
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#64
Tetrachloroethene
Concen: 20.566 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	107.3	160.9
129	100.4	77.3	115.9
131	94.9	71.4	107.2





#65

Chlorobenzene

Concen: 20.718 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion:112 Resp: 188909

Ion Ratio Lower Upper

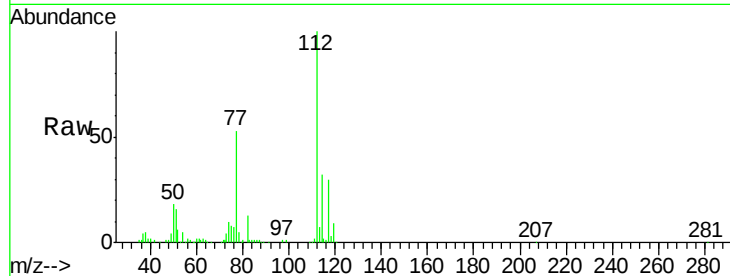
112 100

114 31.5 25.0 37.4

Manual Integrations
APPROVED

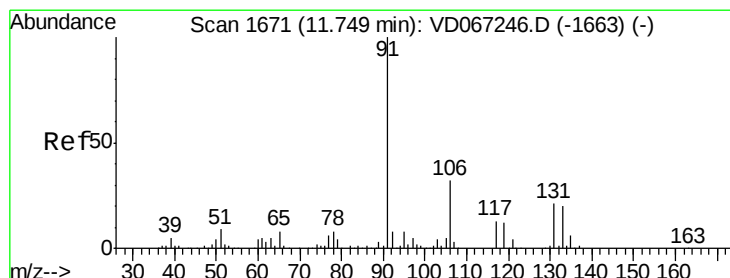
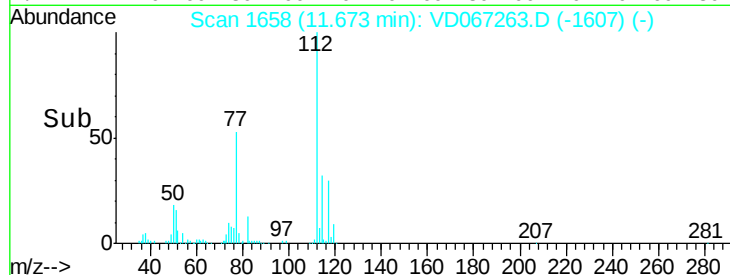
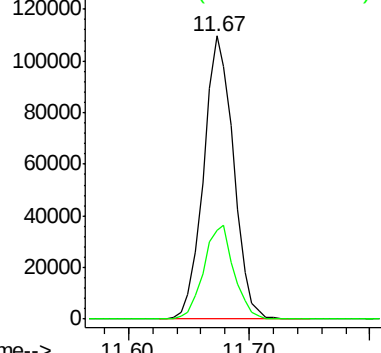
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.771 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

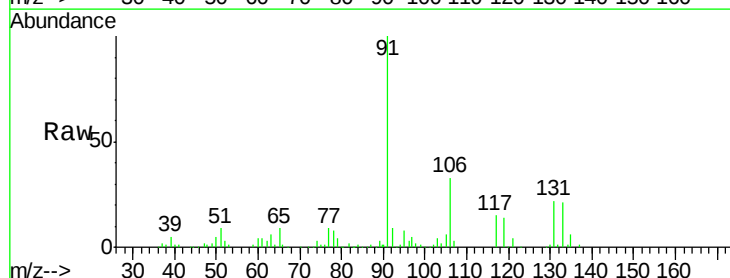
Tgt Ion:131 Resp: 75274

Ion Ratio Lower Upper

131 100

133 94.6 48.1 144.3

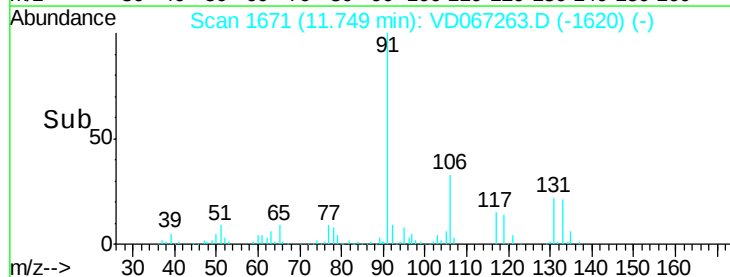
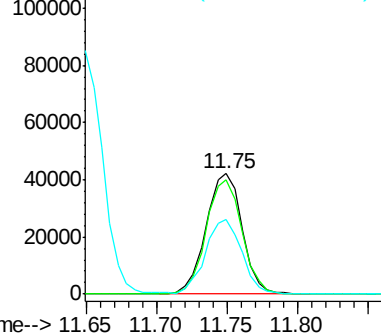
119 62.7 30.0 90.0

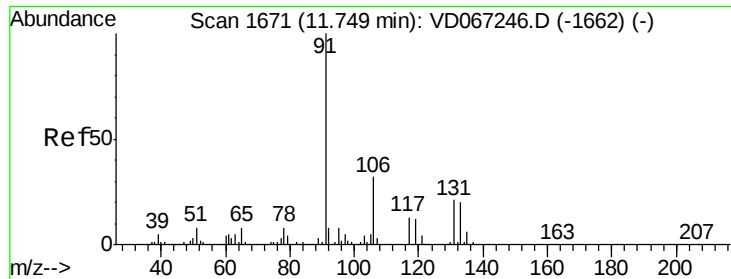


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





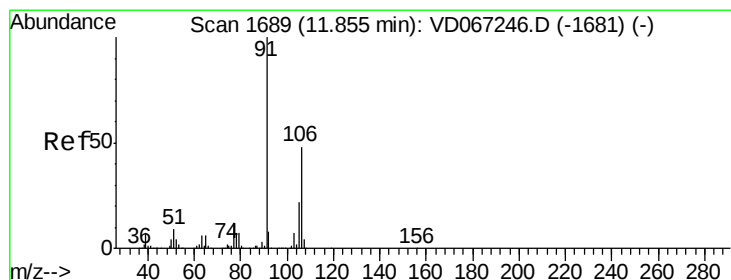
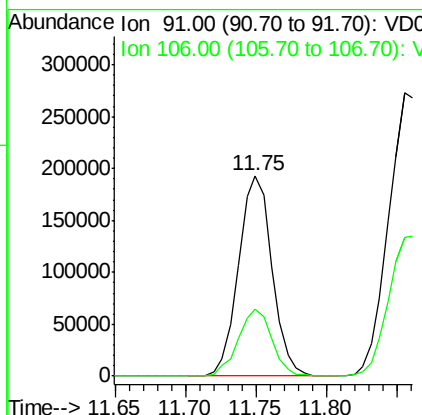
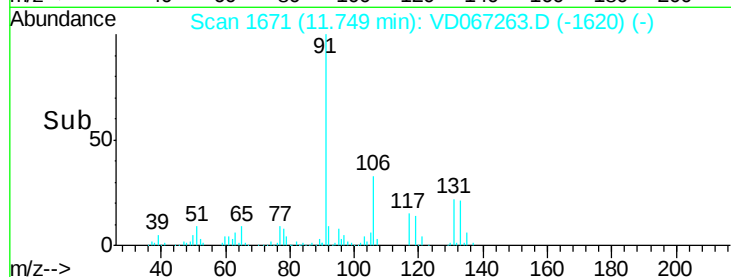
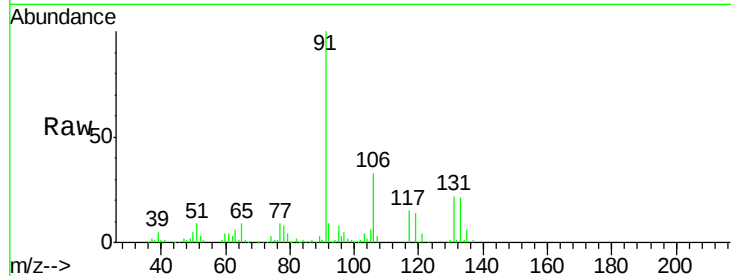
#67
Ethyl Benzene
Concen: 20.537 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion: 91 Resp: 320996
Ion Ratio Lower Upper
91 100
106 33.4 25.4 38.0

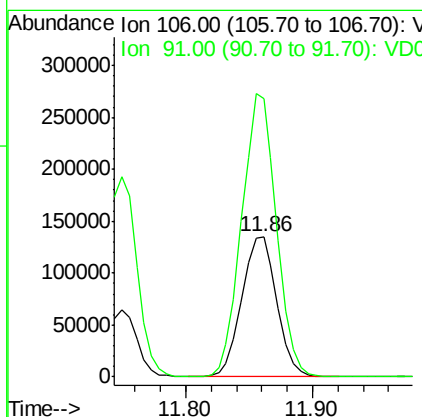
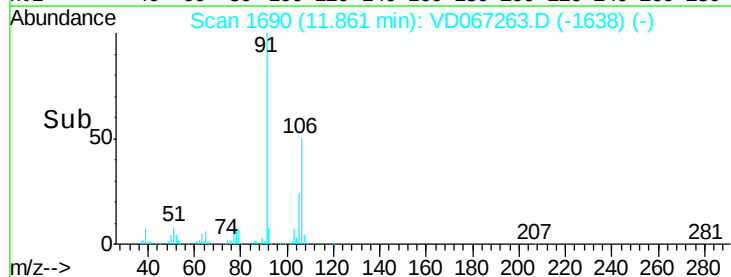
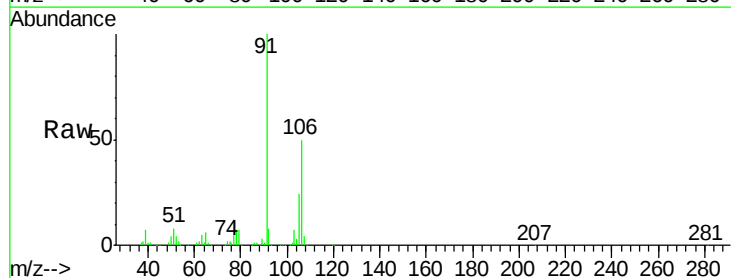
Manual Integrations
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#68
m/p-Xylenes
Concen: 42.805 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion: 106 Resp: 257640
Ion Ratio Lower Upper
106 100
91 200.8 163.8 245.8





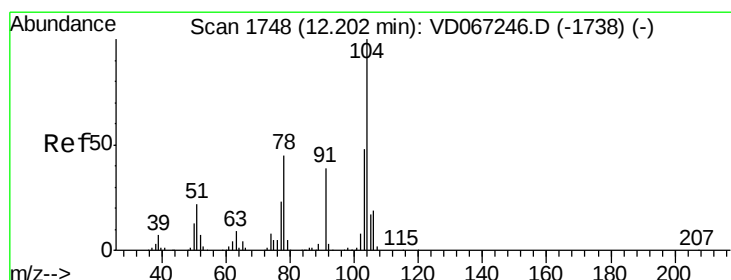
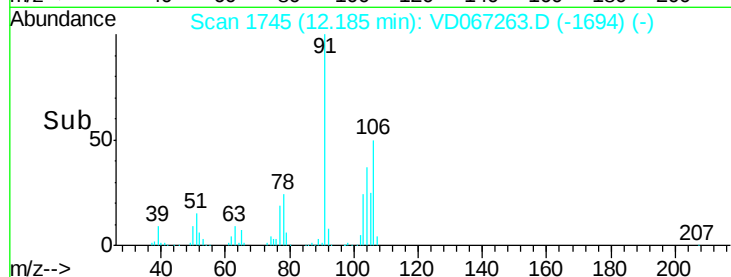
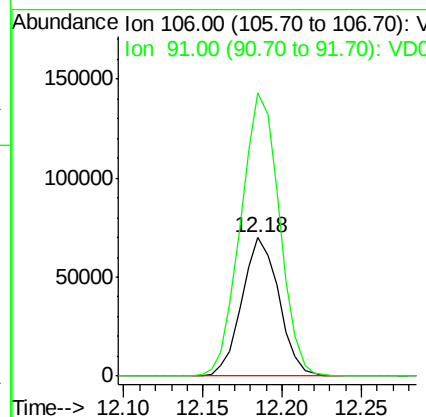
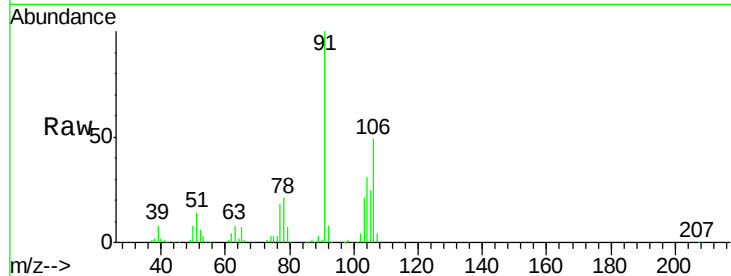
#69
o-Xylene
Concen: 20.329 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	109.1	327.3

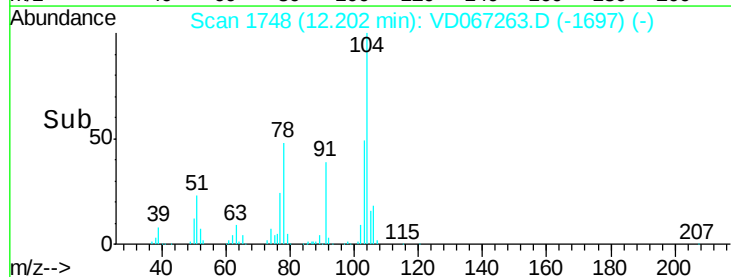
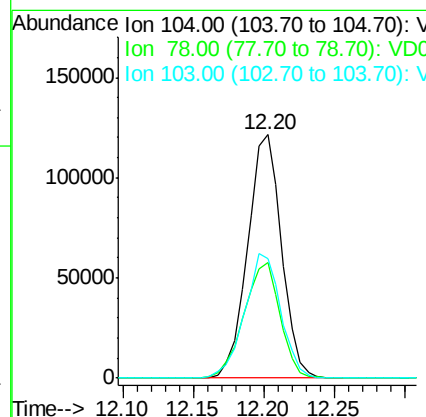
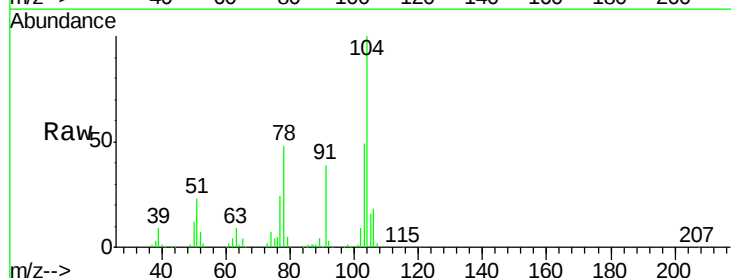
Manual Integrations
APPROVED

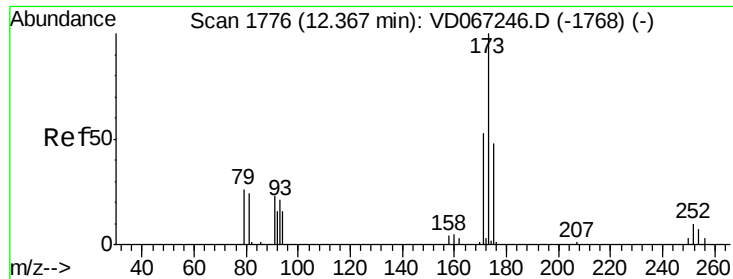
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#70
Styrene
Concen: 21.302 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	39.8	59.6
103	54.4	42.6	64.0





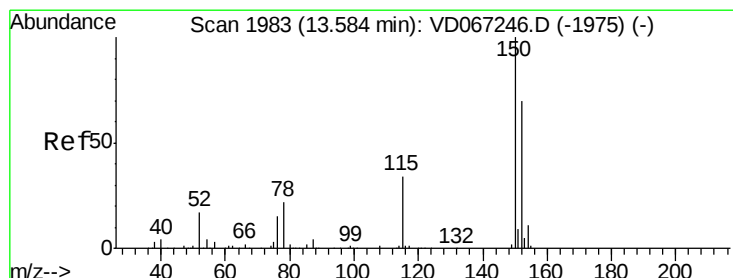
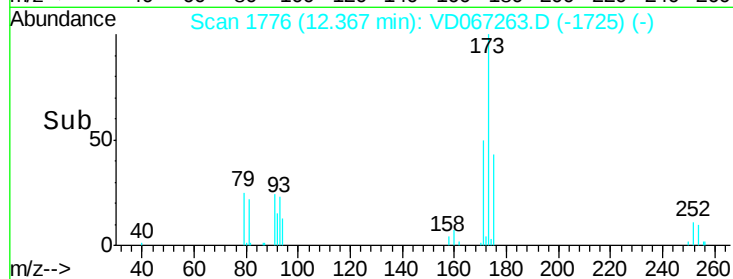
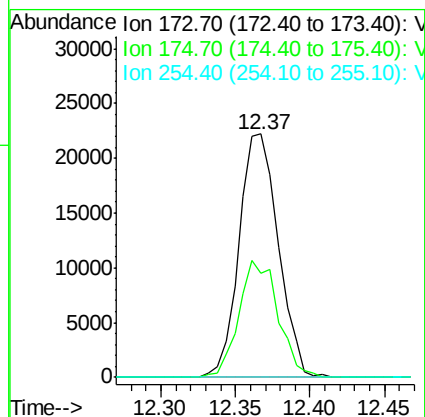
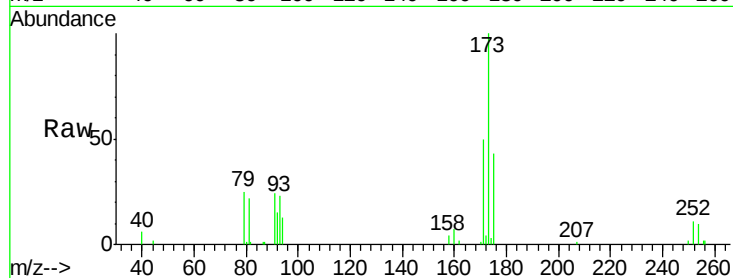
#71
Bromoform
Concen: 20.820 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.0	0.1	0.1#

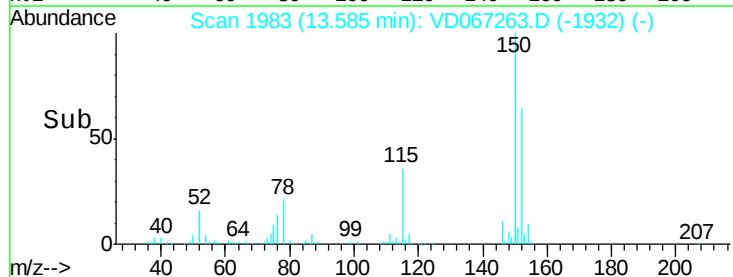
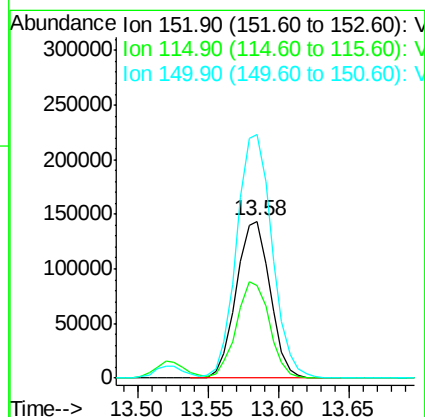
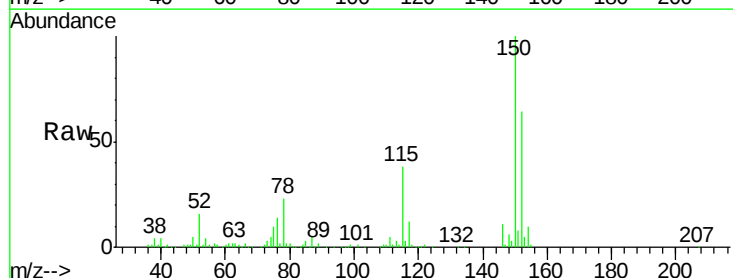
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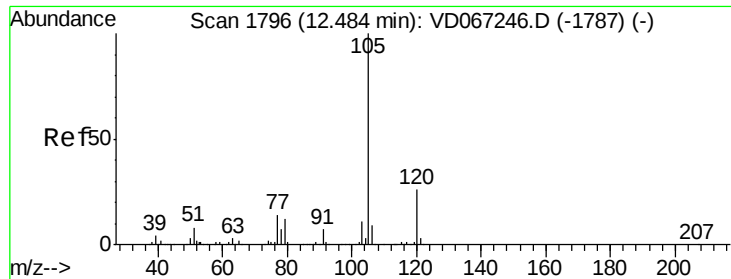
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.3	87.9
150	163.4	0.0	339.0





#73

Isopropylbenzene

Concen: 21.448 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 105 Resp: 327724

Ion Ratio Lower Upper

105 100

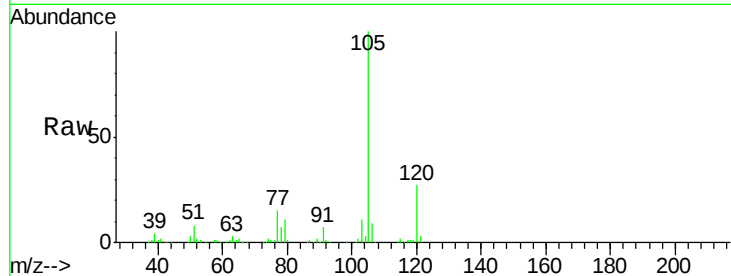
120 26.2 13.3 39.8

Manual Integrations

APPROVED

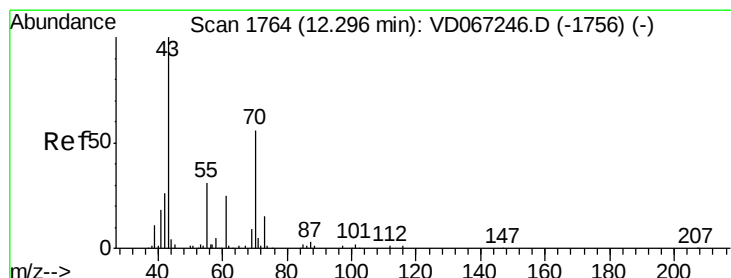
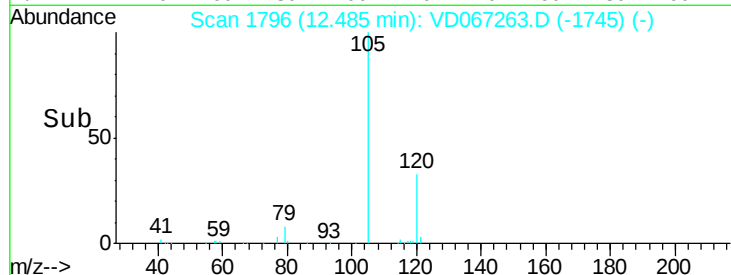
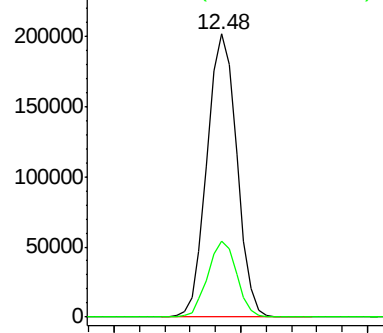
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.831 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Tgt Ion: 43 Resp: 48074

Ion Ratio Lower Upper

43 100

70 54.1 42.7 64.1

55 29.6 24.0 36.0

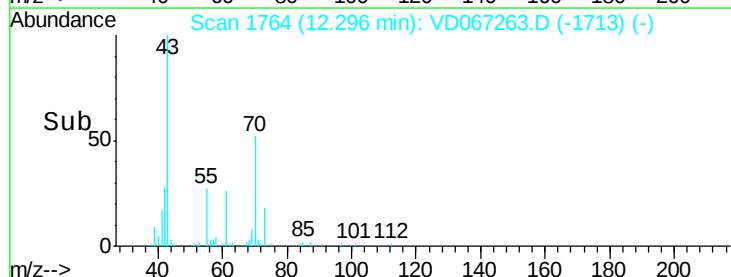
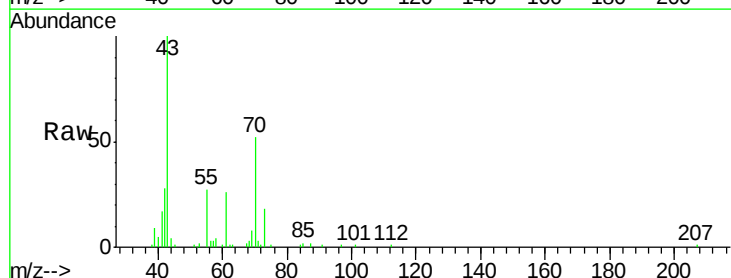
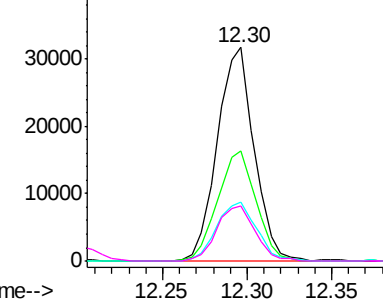
61 27.1 22.2 33.4

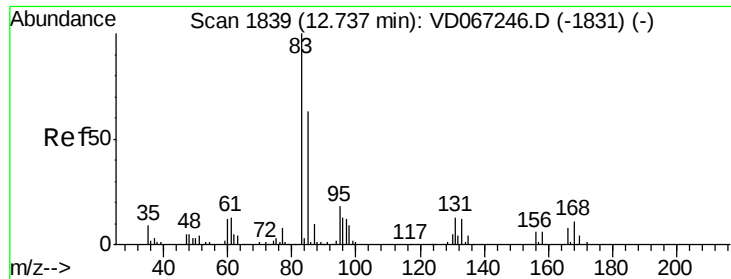
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.958 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

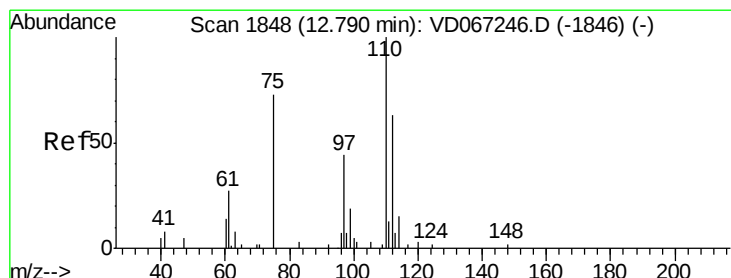
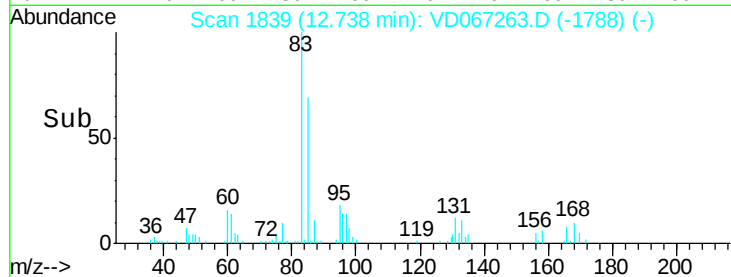
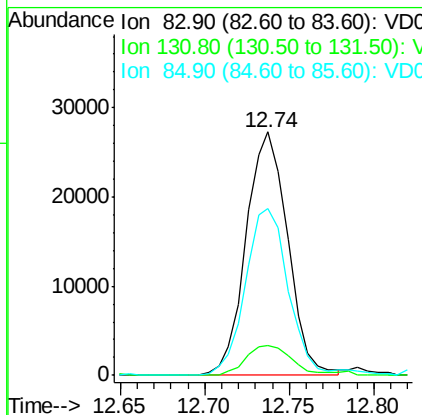
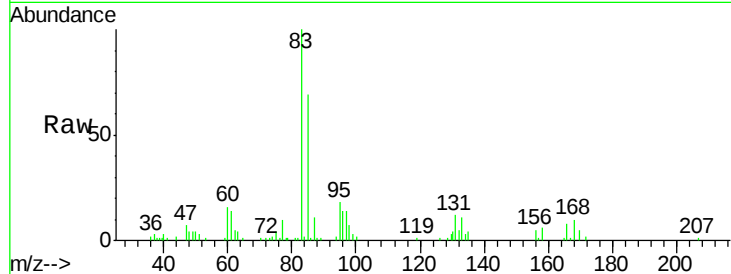
ClientSampleId :

VD1014SBS01

Tot Ion:	83	Resp:	46727
Ion Ratio	Lower	Upper	
83	100		
131	13.2	6.5	19.5
85	72.1	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 18.550 ug/l m

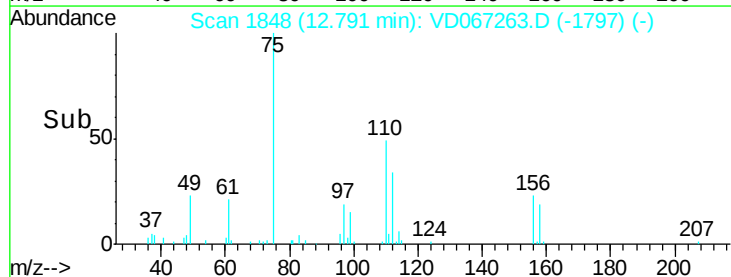
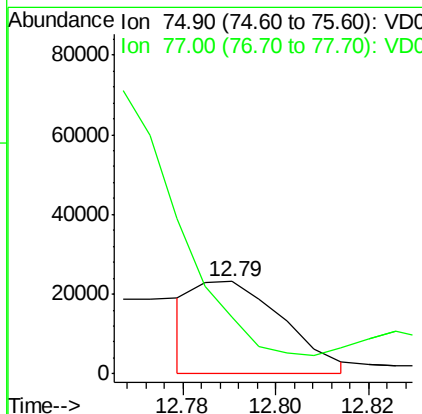
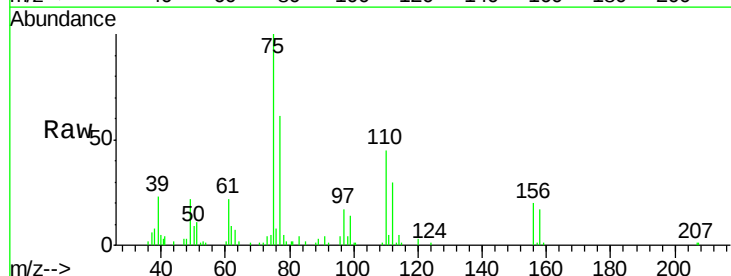
RT: 12.79 min Scan# 1848

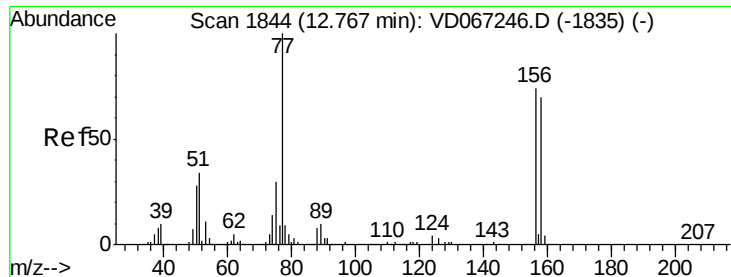
Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Tgt Ion:	75	Resp:	30954
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.250 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

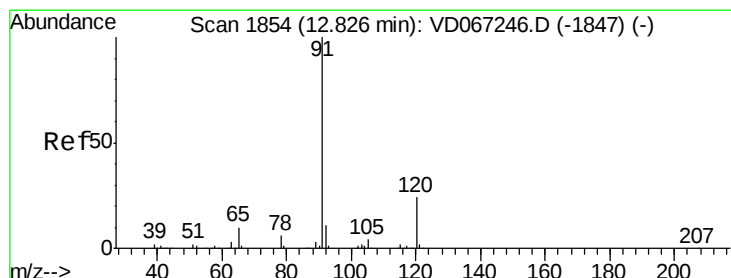
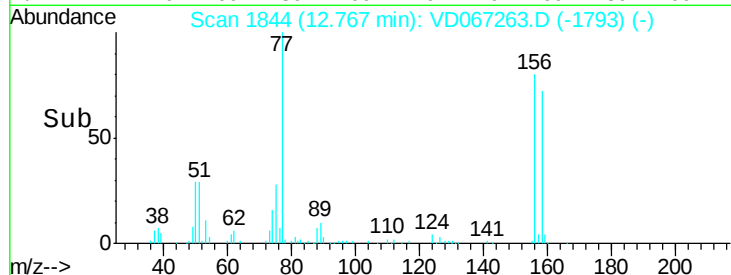
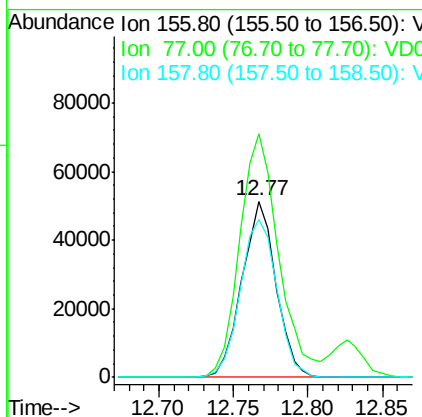
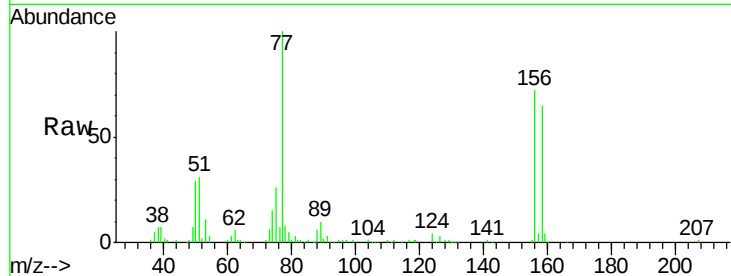
ClientSampleId :

VD1014SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.2	78.0	233.8
158	96.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.303 ug/l

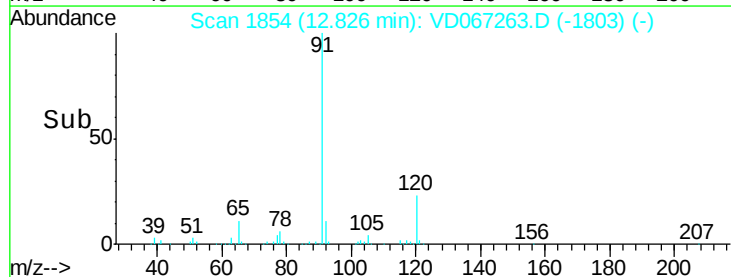
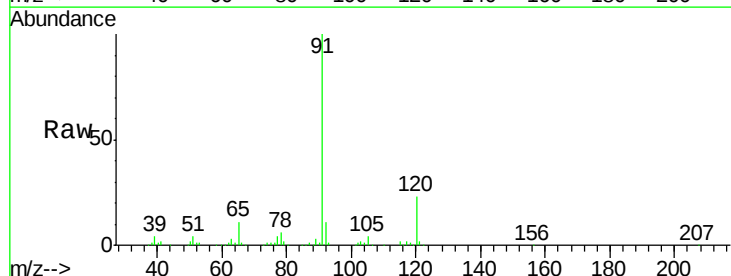
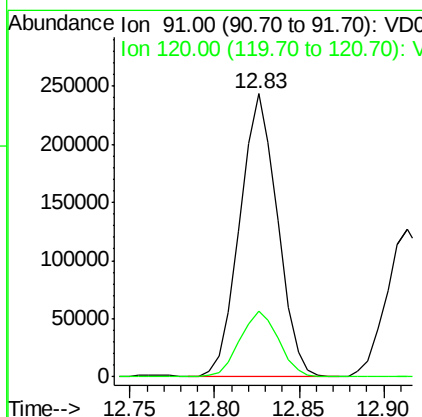
RT: 12.83 min Scan# 1854

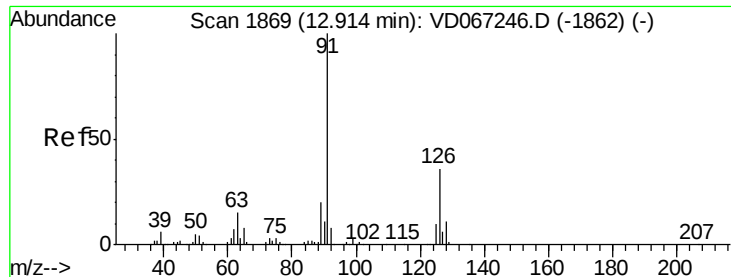
Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.744 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion: 91 Resp: 212973

Ion Ratio Lower Upper

91 100

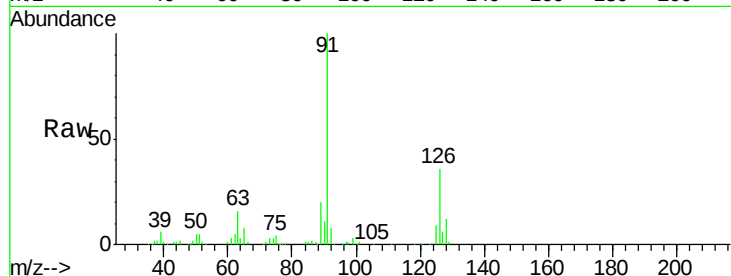
126 35.7 17.6 52.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067246.D (-1862) (-)

150000

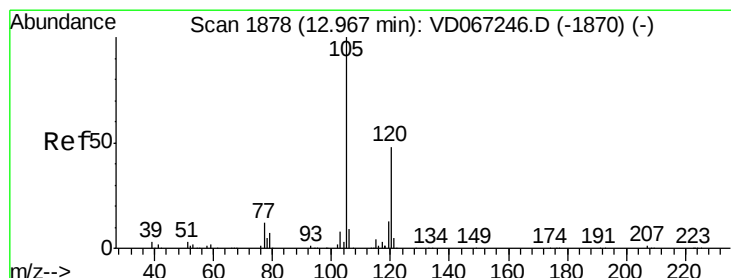
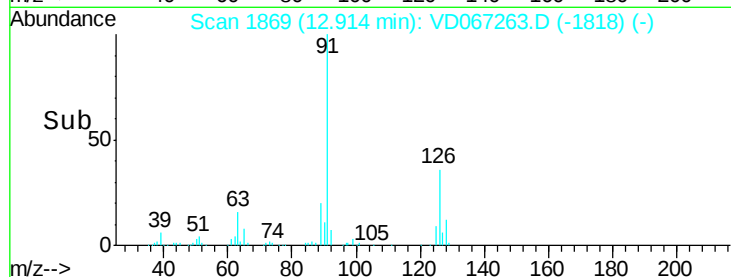
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.091 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067263.D

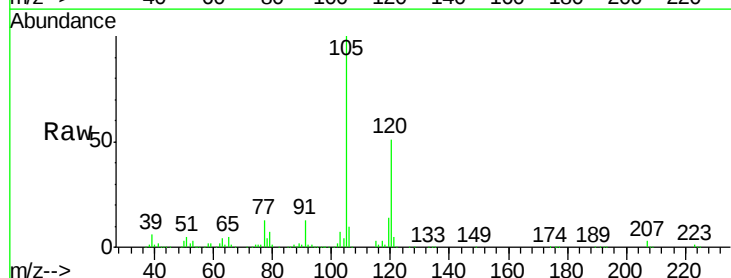
Acq: 14 Oct 2020 11:38

Tgt Ion:105 Resp: 280058

Ion Ratio Lower Upper

105 100

120 49.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067246.D (-1870) (-)

200000

150000

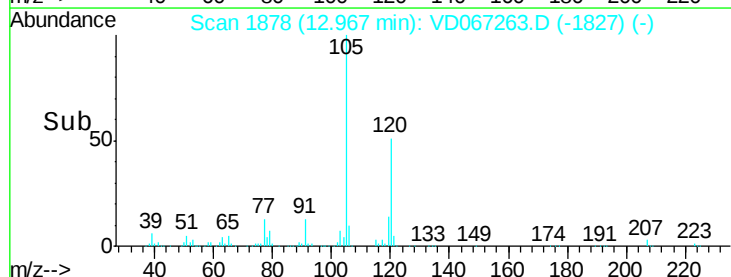
100000

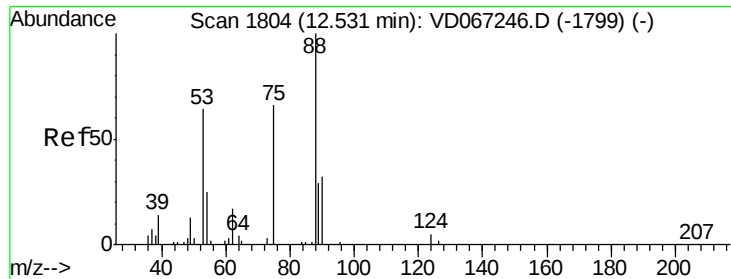
50000

0

12.90 12.97 13.00

Time-->





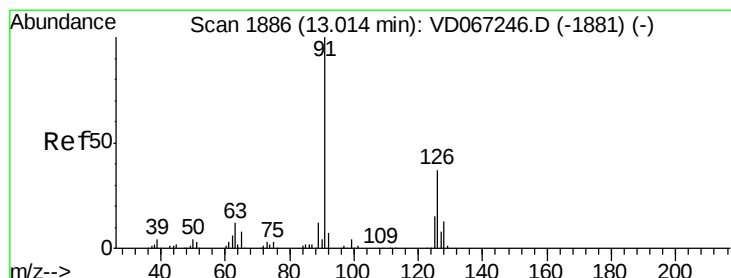
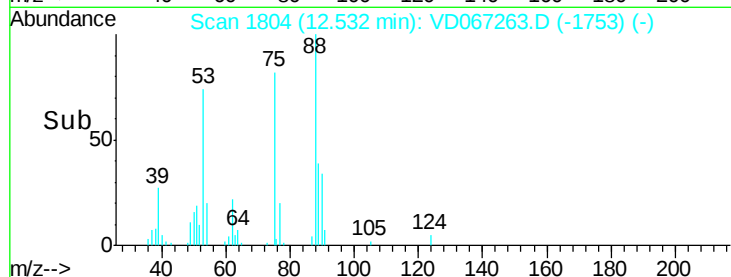
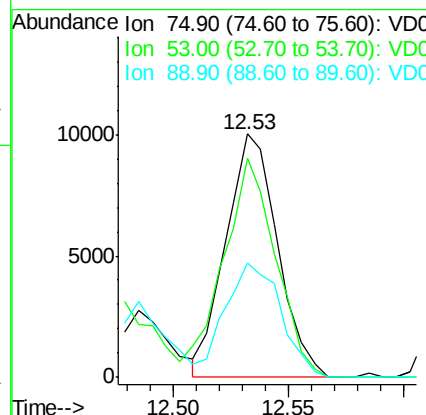
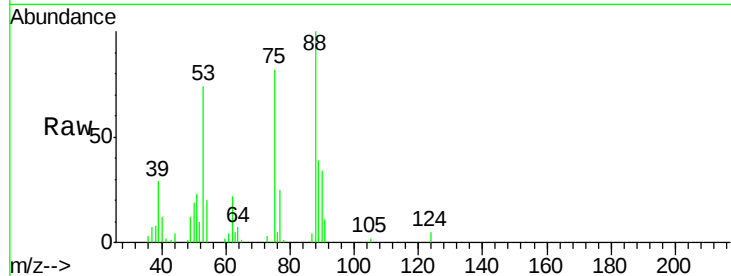
#81
trans-1,4-Dichloro-2-butene
Concen: 21.239 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.6	78.5	117.7
89	50.5	39.9	59.9

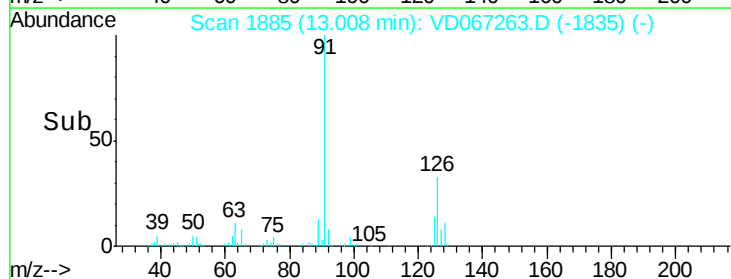
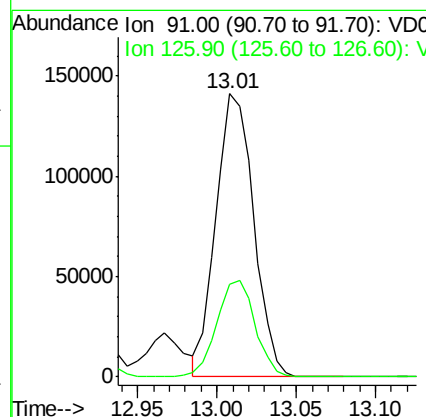
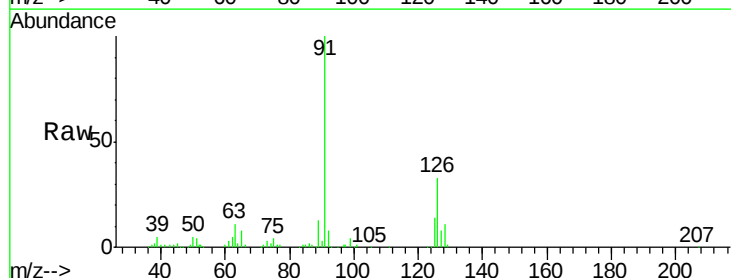
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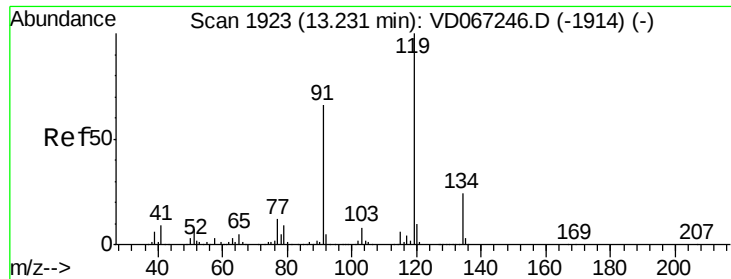
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.468 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.8	53.5





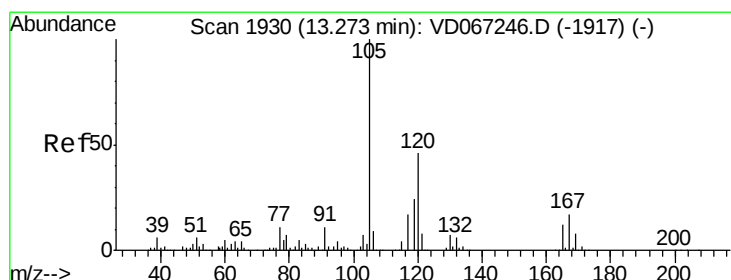
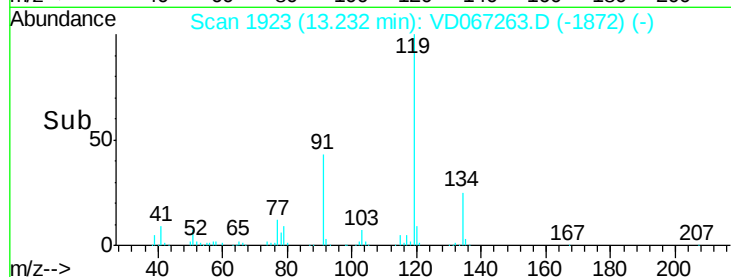
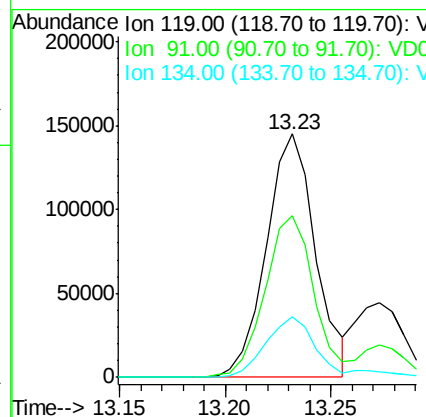
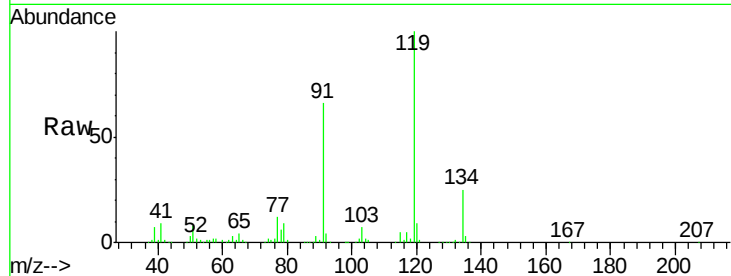
#83
tert-Butylbenzene
Concen: 20.909 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	234527		
91	65.7	33.1	99.2	
134	25.6	13.3	39.9	

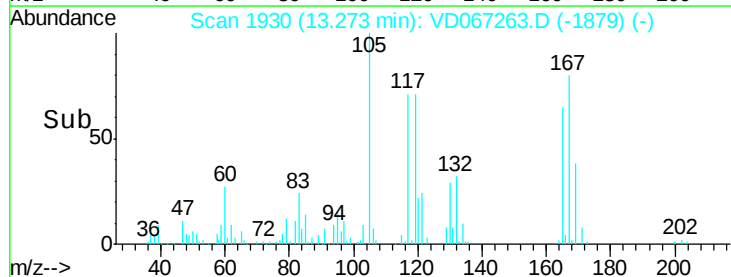
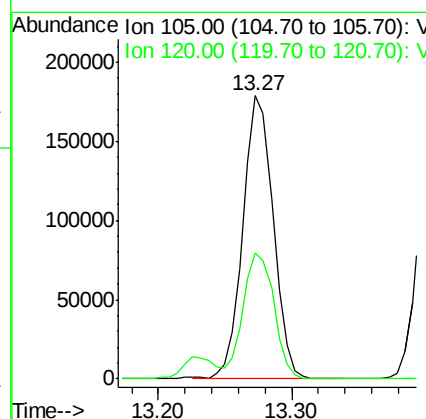
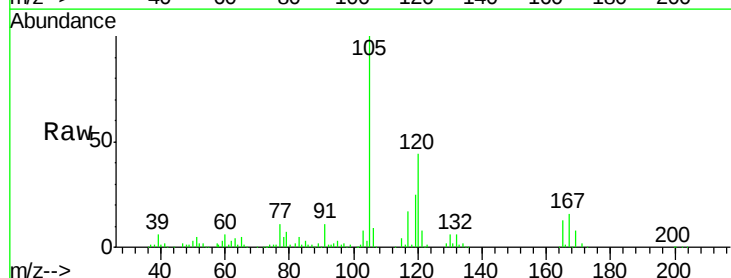
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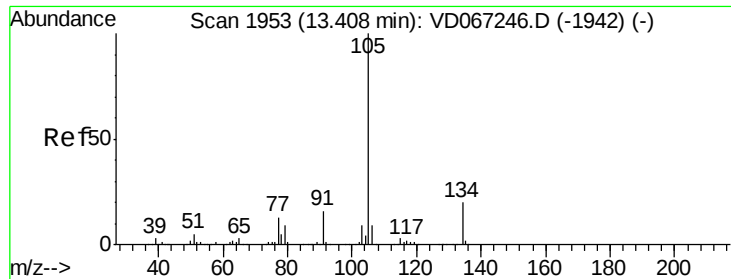
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#84
1,2,4-Trimethylbenzene
Concen: 21.391 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280735		
120	45.1	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.965 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1014SBS01

Tot Ion:105 Resp: 322667

Ion Ratio Lower Upper

105 100

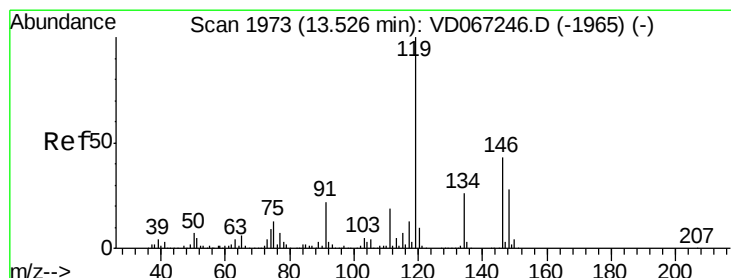
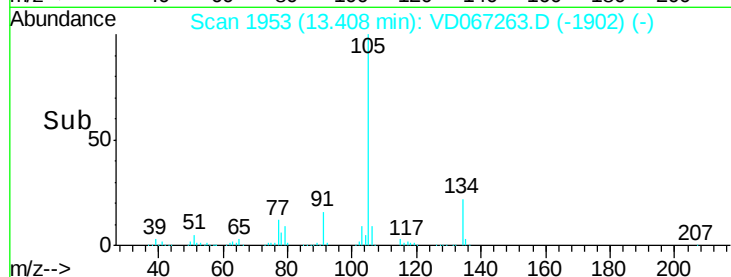
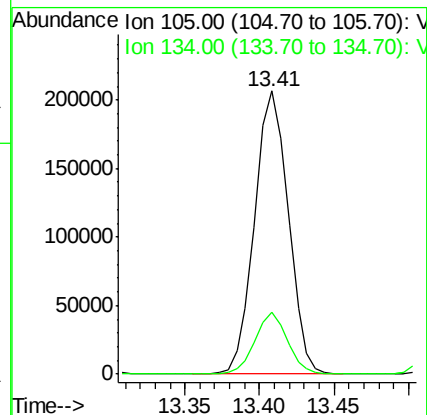
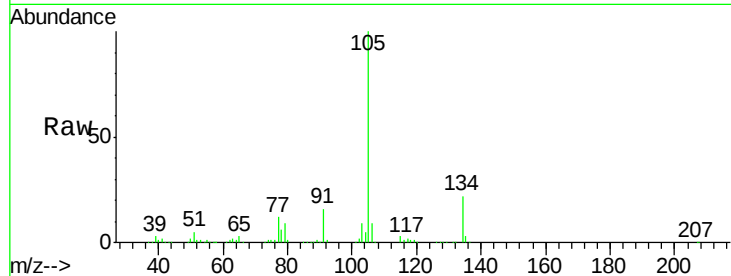
134 21.0 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.572 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067263.D

Acq: 14 Oct 2020 11:38

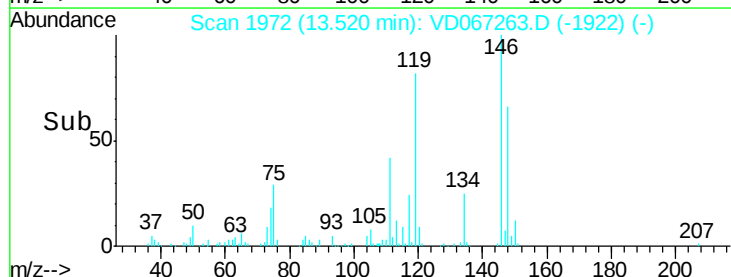
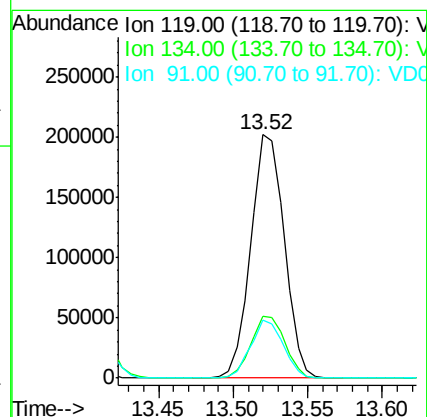
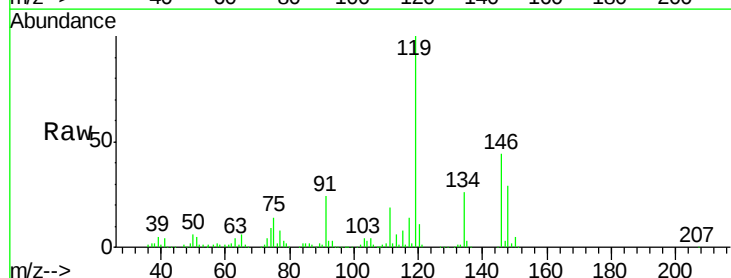
Tgt Ion:119 Resp: 313372

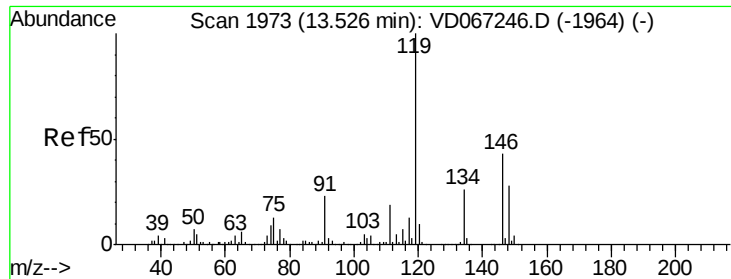
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 23.1 11.9 35.9





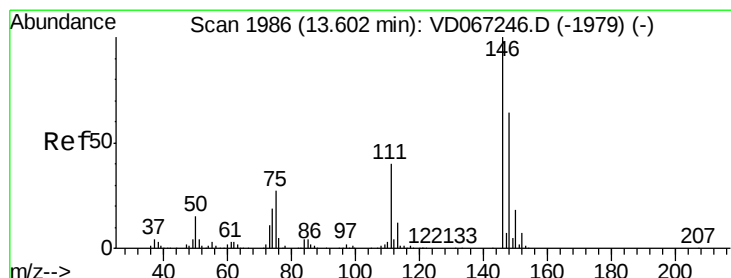
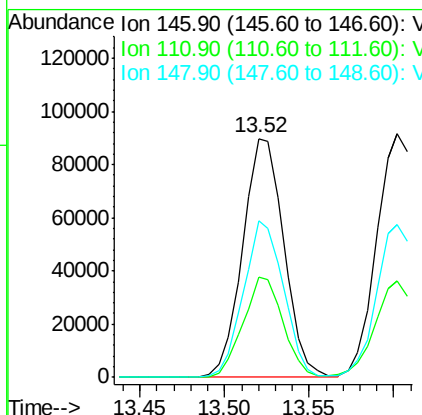
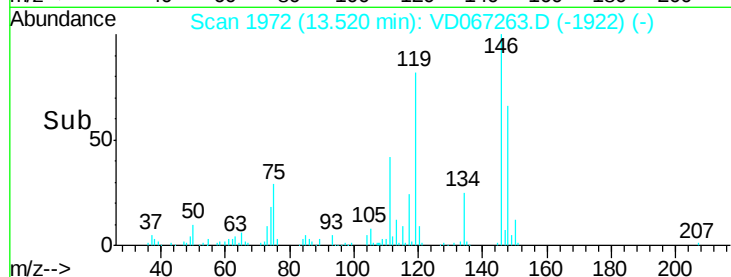
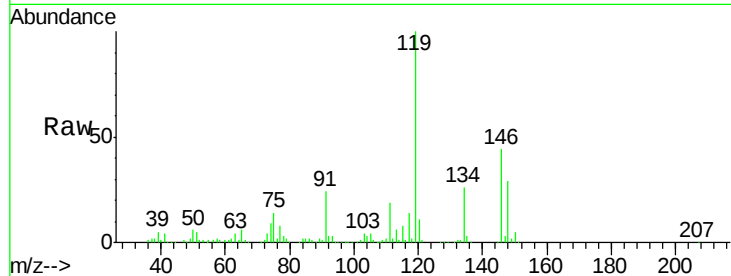
#87
 1,3-Dichlorobenzene
 Concen: 20.779 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.3
148	64.0	31.9	95.9

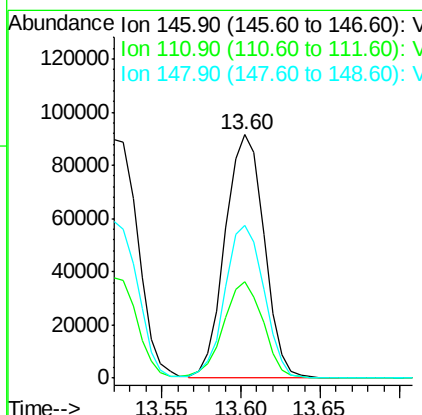
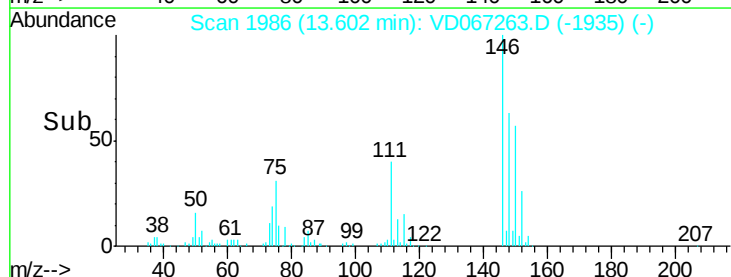
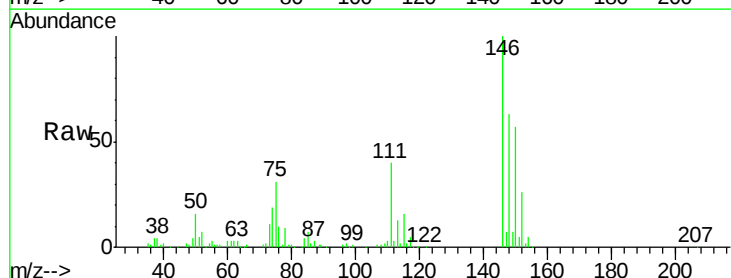
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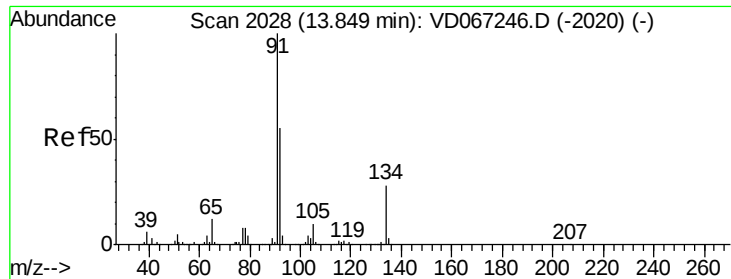
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#88
 1,4-Dichlorobenzene
 Concen: 21.558 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.9	59.7
148	62.9	31.9	95.9





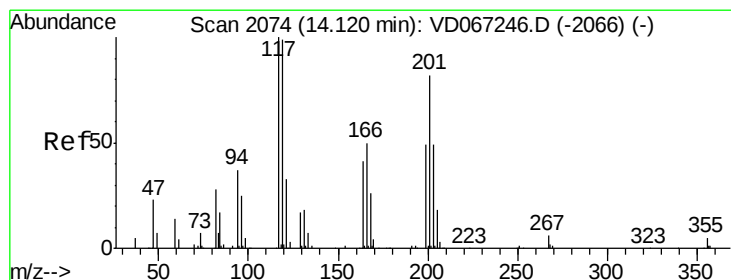
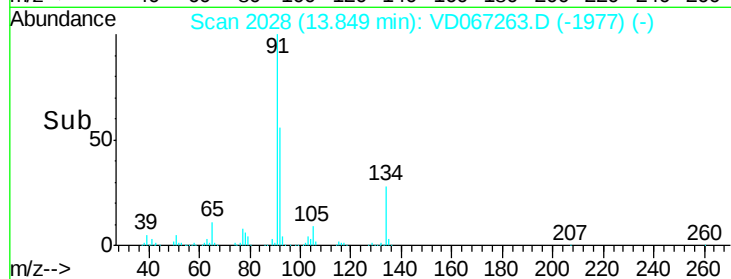
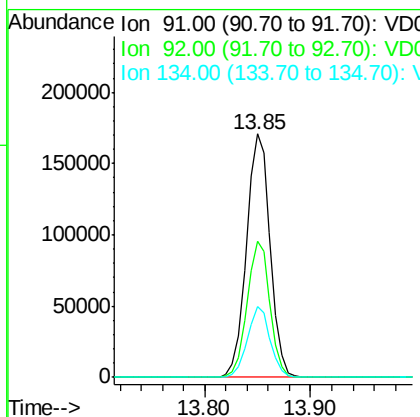
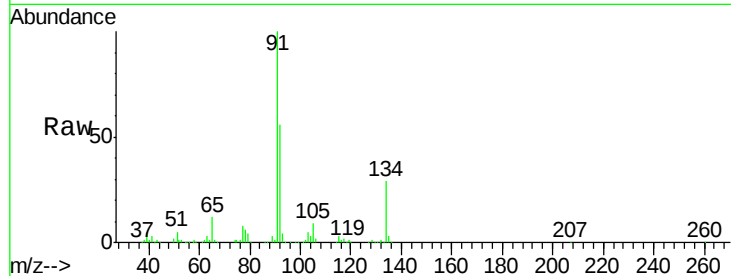
#89
n-Butylbenzene
Concen: 20.735 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.0
134	28.0	14.2	42.6

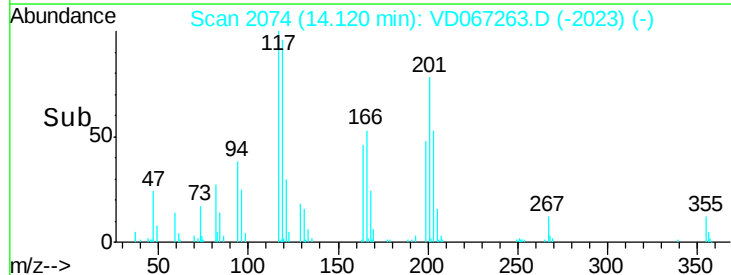
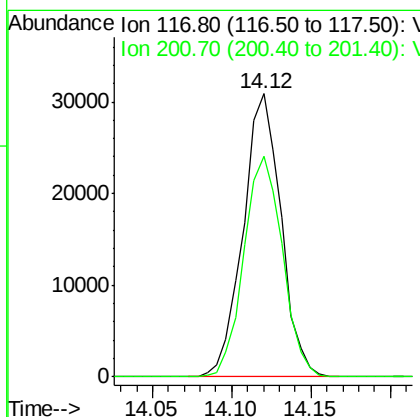
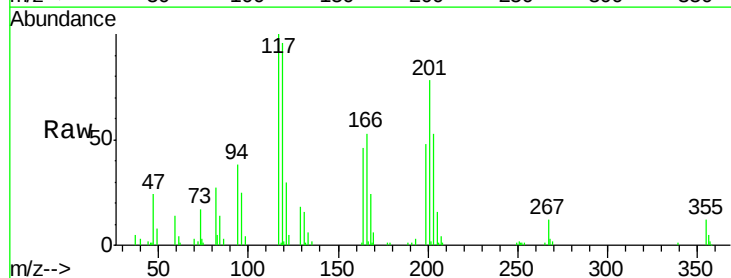
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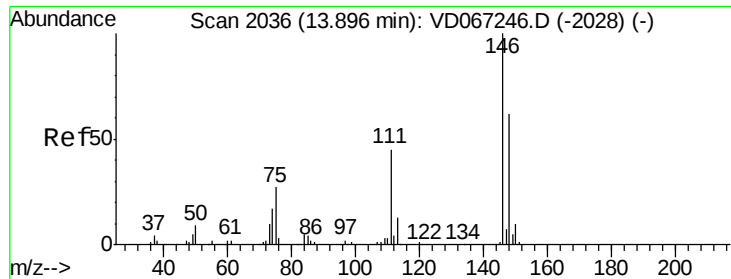
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#90
Hexachloroethane
Concen: 20.209 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.6	40.8	122.2





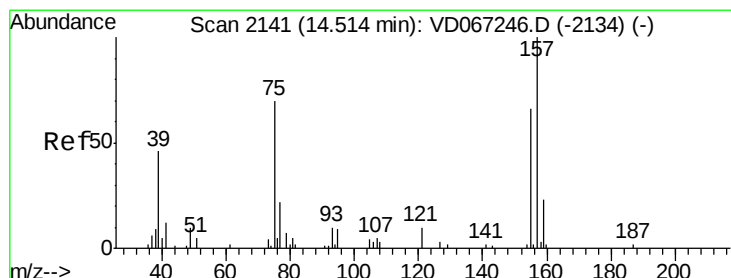
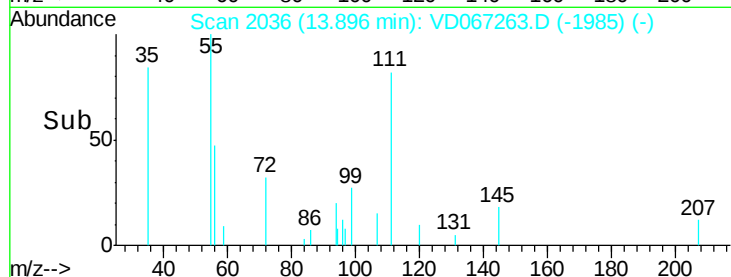
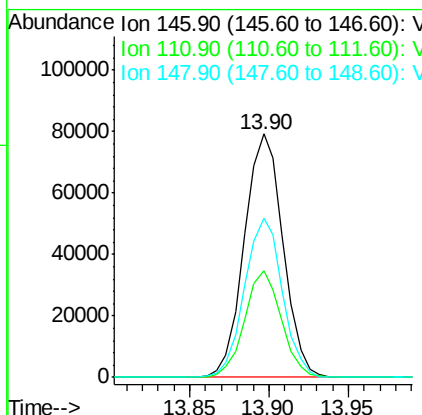
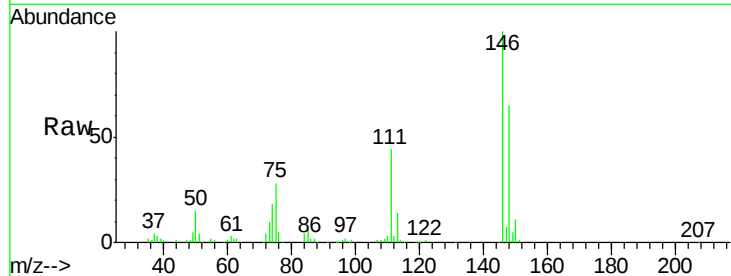
#91
 1,2-Dichlorobenzene
 Concen: 20.955 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	22.0	66.0
148	63.9	32.5	97.5

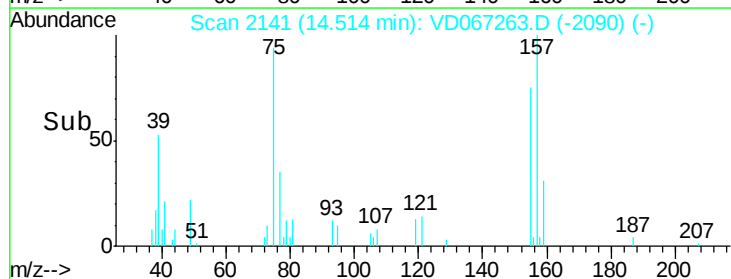
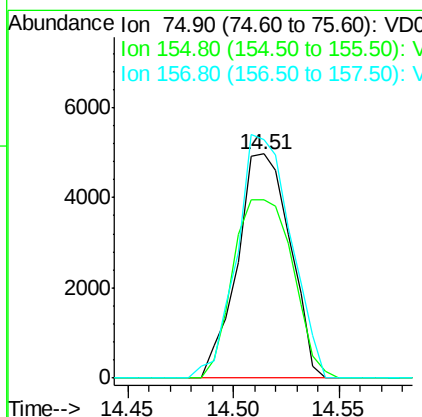
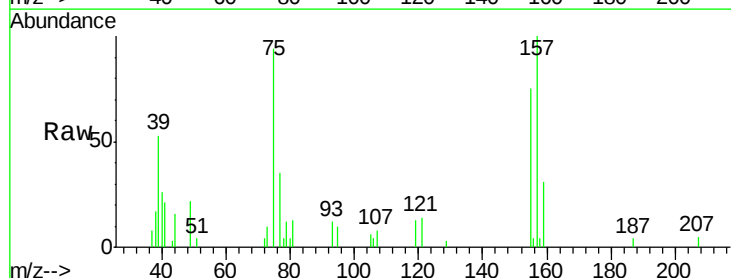
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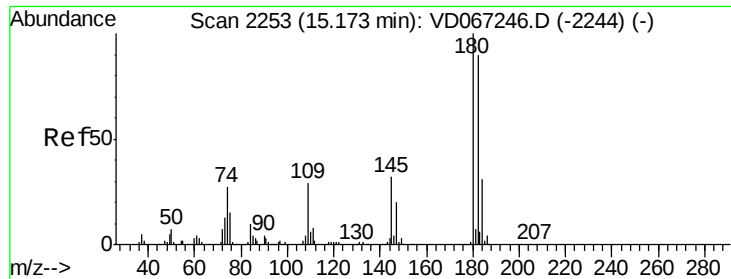
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.290 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	44.8	134.4
157	110.6	62.5	187.4





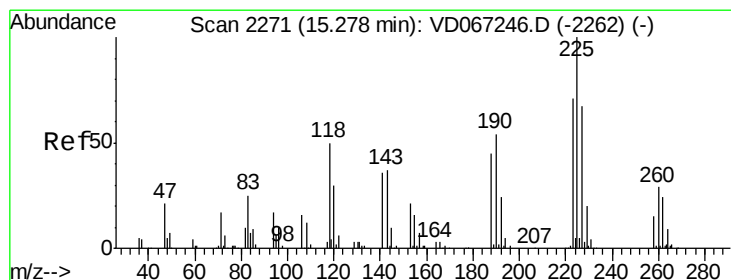
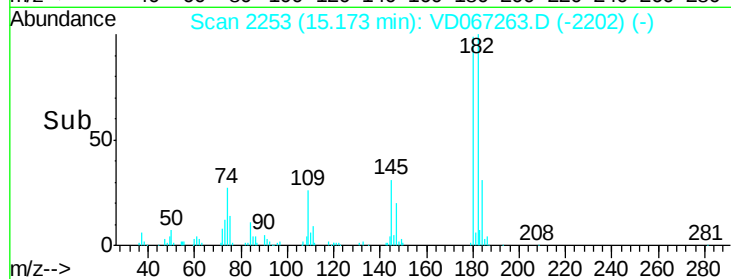
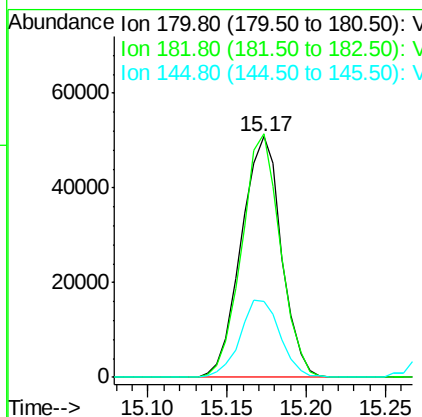
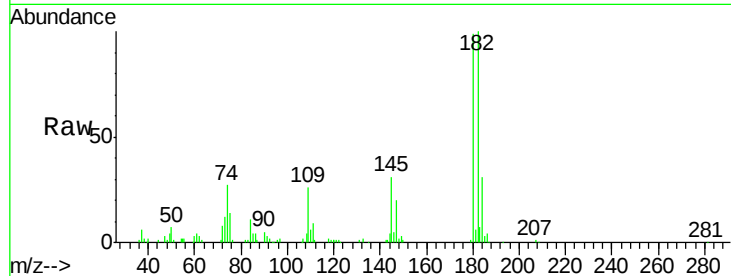
#93
 1,2,4-Trichlorobenzene
 Concen: 20.729 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.1	48.1	144.4	
145	32.1	16.3	48.9	

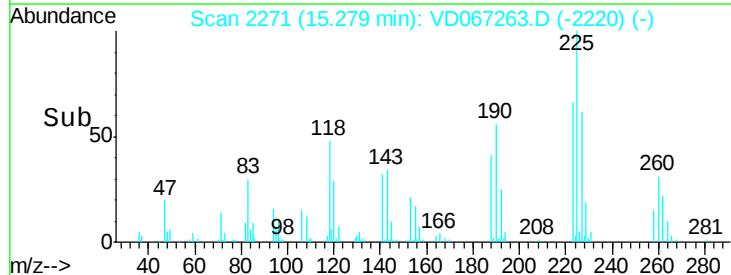
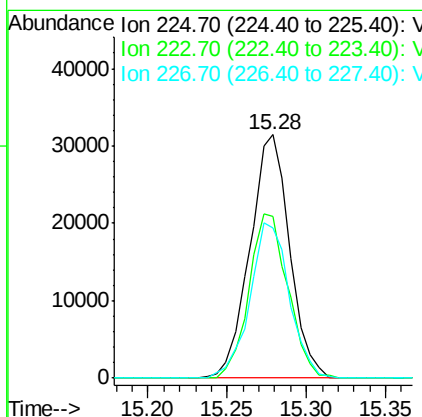
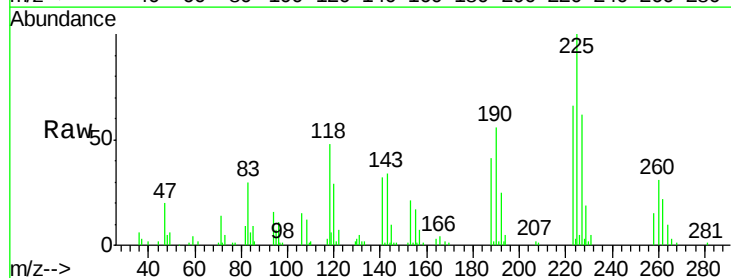
Manual Integrations
 APPROVED

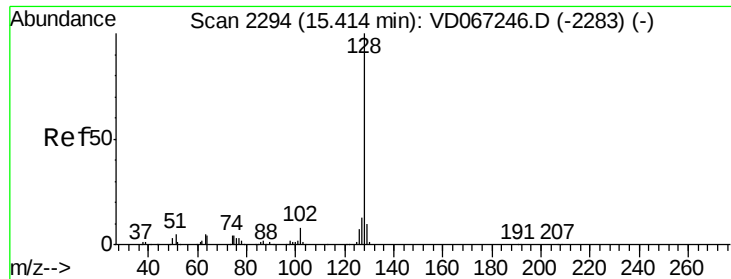
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#94
 Hexachlorobutadiene
 Concen: 20.431 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067263.D
 Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.0	31.9	95.7	
227	63.4	31.2	93.6	





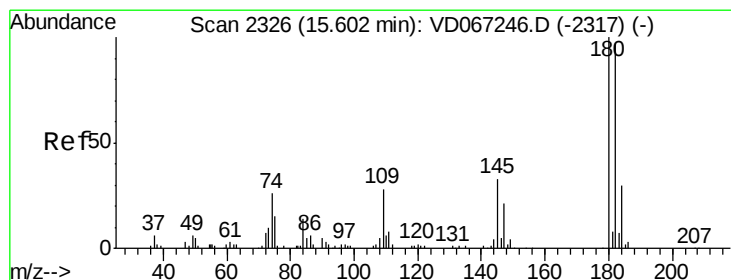
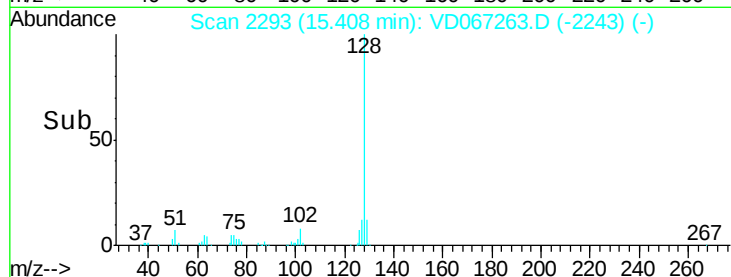
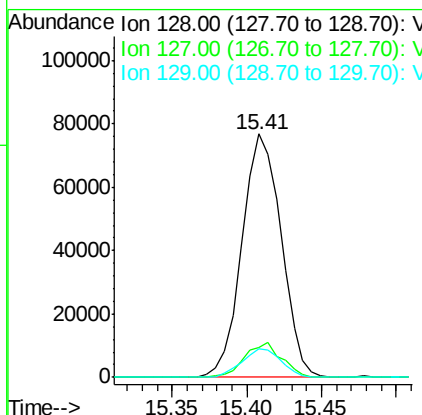
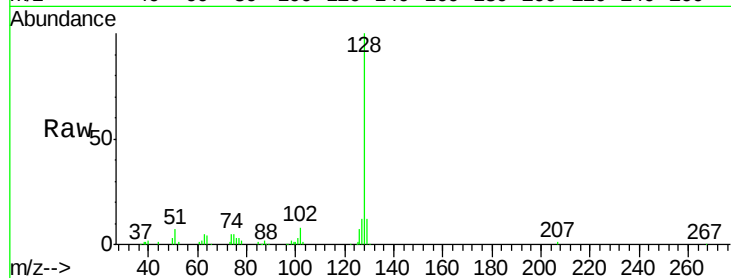
#95
Naphthalene
Concen: 19.690 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1014SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.8	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 21.200 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067263.D
Acq: 14 Oct 2020 11:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.1	144.3
145	31.2	17.3	51.9

