

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067512.D
 Acq On : 04 Nov 2020 11:31
 Operator : VA/SY
 Sample : VD1104SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 7:01:09 PM

Quant Time: Nov 05 01:09:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	328403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	477390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215746	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	131515	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
35) Dibromofluoromethane	7.92	113	134559	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
50) Toluene-d8	10.34	98	482458	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
62) 4-Bromofluorobenzene	12.64	95	172597	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	67058	22.747	ug/l	93
3) Chloromethane	2.21	50	44791	21.902	ug/l	96
4) Vinyl Chloride	2.35	62	46088	20.214	ug/l	99
5) Bromomethane	2.76	94	37213	20.137	ug/l	98
6) Chloroethane	2.93	64	29869	21.249	ug/l	97
7) Trichlorofluoromethane	3.27	101	126586	21.442	ug/l	95
8) Diethyl Ether	3.71	74	24790	20.840	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	64379	21.604	ug/l	99
10) Methyl Iodide	4.30	142	60853	19.053	ug/l	98
11) Tert butyl alcohol	5.23	59	18542m	141.036	ug/l	
12) 1,1-Dichloroethene	4.07	96	58874	21.479	ug/l	99
13) Acrolein	3.93	56	7208	78.493	ug/l	97
14) Allyl chloride	4.72	41	61168	20.851	ug/l	96
15) Acrylonitrile	5.43	53	44981	102.293	ug/l	98
16) Acetone	4.16	43	42367	98.595	ug/l	99
17) Carbon Disulfide	4.41	76	175399	20.883	ug/l	96
18) Methyl Acetate	4.72	43	17918	20.179	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	110215	20.385	ug/l	94
20) Methylene Chloride	4.97	84	66064	21.765	ug/l	95
21) trans-1,2-Dichloroethene	5.48	96	66605	20.863	ug/l	93
22) Diisopropyl ether	6.37	45	124737	21.820	ug/l	98
23) Vinyl Acetate	6.31	43	317078	105.960	ug/l	99
24) 1,1-Dichloroethane	6.27	63	94897	20.291	ug/l	97
25) 2-Butanone	7.21	43	49075	106.881	ug/l	98
26) 2,2-Dichloropropane	7.21	77	105568	21.388	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	69232	20.892	ug/l	97
28) Bromochloromethane	7.56	49	31138	18.718	ug/l	96
29) Tetrahydrofuran	7.56	42	29016	105.499	ug/l	98
30) Chloroform	7.71	83	117707	21.097	ug/l	96
31) Cyclohexane	7.99	56	86085	20.670	ug/l	# 84
32) 1,1,1-Trichloroethane	7.91	97	120042	20.852	ug/l	99
36) 1,1-Dichloropropene	8.12	75	88499	21.657	ug/l	99
37) Ethyl Acetate	7.30	43	22696	21.393	ug/l	97
38) Carbon Tetrachloride	8.10	117	114988	21.658	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	104577	21.744	ug/l	97
40) Benzene	8.36	78	237701	21.474	ug/l	100
41) Methacrylonitrile	7.53	41	14665	23.125	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	74040	21.649	ug/l	100
43) Isopropyl Acetate	8.46	43	44412	21.167	ug/l	97
44) Trichloroethene	9.12	130	76537	21.029	ug/l	92
45) 1,2-Dichloropropane	9.40	63	51244	21.412	ug/l	89
46) Dibromomethane	9.48	93	33326	21.901	ug/l	98
47) Bromodichloromethane	9.67	83	88355	21.363	ug/l	95
48) Methyl methacrylate	9.46	41	21761	20.087	ug/l	93
49) 1,4-Dioxane	9.47	88	7443	481.826	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	110559	110.180	ug/l	97
52) Toluene	10.41	92	162284	21.889	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	76374	21.561	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	88289	20.978	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	42748	21.232	ug/l	96
56) Ethyl methacrylate	10.66	69	43343	20.847	ug/l	99
57) 1,3-Dichloropropane	10.95	76	69025	21.305	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	100636	103.796	ug/l	98
59) 2-Hexanone	10.99	43	75137	107.093	ug/l	97
60) Dibromochloromethane	11.14	129	64843	21.772	ug/l	99
61) 1,2-Dibromoethane	11.26	107	41911	20.741	ug/l	95
64) Tetrachloroethene	10.88	164	69817	21.465	ug/l	96
65) Chlorobenzene	11.68	112	175384	20.731	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	71778	21.527	ug/l	98
67) Ethyl Benzene	11.75	91	311805	21.539	ug/l	95
68) m/p-Xylenes	11.86	106	241719	42.918	ug/l	98
69) o-Xylene	12.18	106	109353	21.747	ug/l	98
70) Styrene	12.20	104	189022	21.573	ug/l	98
71) Bromoform	12.37	173	36574	21.507	ug/l #	100
73) Isopropylbenzene	12.48	105	308352	22.115	ug/l	99
74) N-amyl acetate	12.29	43	38012	20.718	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	42730	22.474	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	30963m	23.790	ug/l	
77) Bromobenzene	12.77	156	72658	21.218	ug/l	98
78) n-propylbenzene	12.83	91	355186	22.271	ug/l	99
79) 2-Chlorotoluene	12.91	91	201218	22.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	267082	22.423	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	13886	21.661	ug/l	95
82) 4-Chlorotoluene	13.01	91	218345	22.472	ug/l	99
83) tert-Butylbenzene	13.23	119	225211	22.310	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	262833	22.168	ug/l	99
85) sec-Butylbenzene	13.41	105	305017	22.383	ug/l	99
86) p-Isopropyltoluene	13.52	119	296244	22.512	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	146623	22.440	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	141400	21.372	ug/l	98
89) n-Butylbenzene	13.85	91	243722	21.442	ug/l	99
90) Hexachloroethane	14.11	117	53073	21.416	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	123753	21.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7799	23.167	ug/l	91

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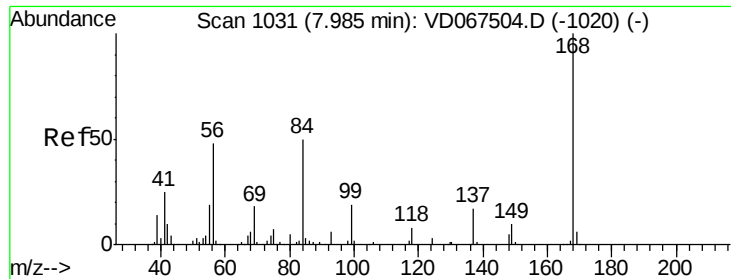
Manual Integrations
APPROVED

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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	83195	21.676	ug/l	99
94) Hexachlorobutadiene	15.27	225	53175	20.701	ug/l	97
95) Naphthalene	15.41	128	128744	21.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	71772	21.837	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

Tot Ion:168 Resp: 328403

Ion Ratio Lower Upper

168 100

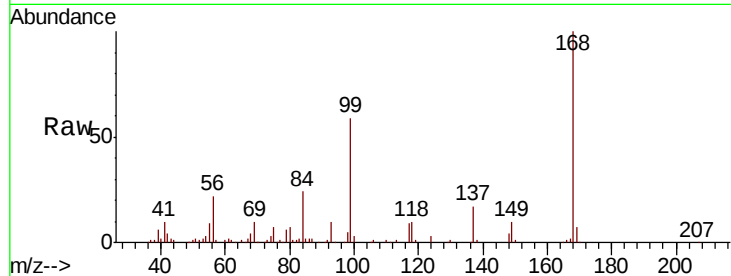
99 58.9 45.0 67.6

Manual Integrations

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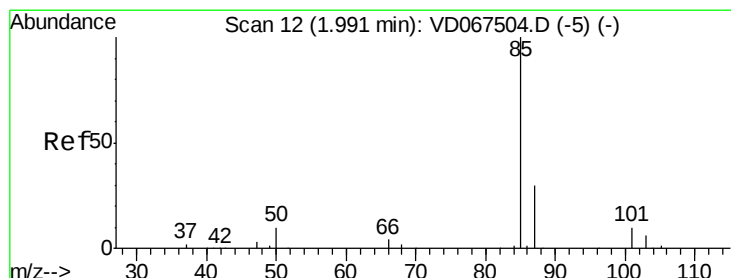
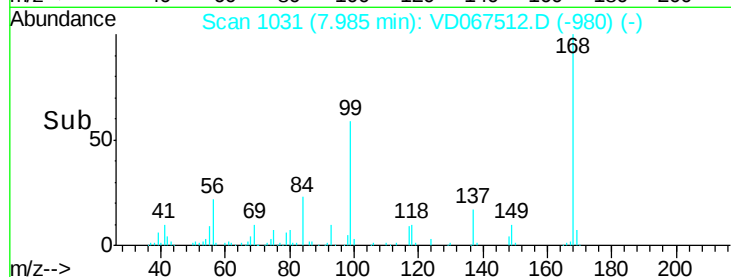
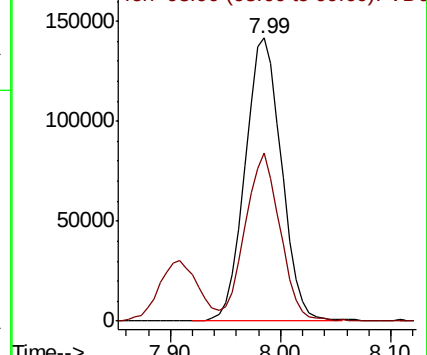
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.747 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067512.D

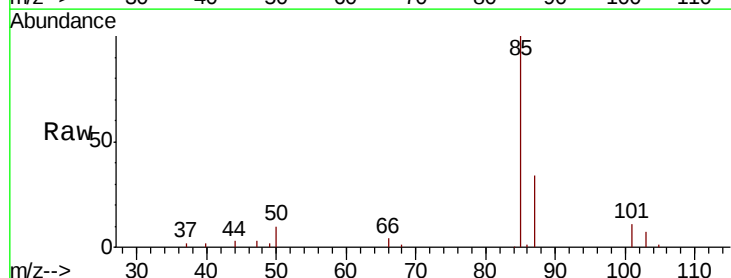
Acq: 04 Nov 2020 11:31

Tgt Ion: 85 Resp: 67058

Ion Ratio Lower Upper

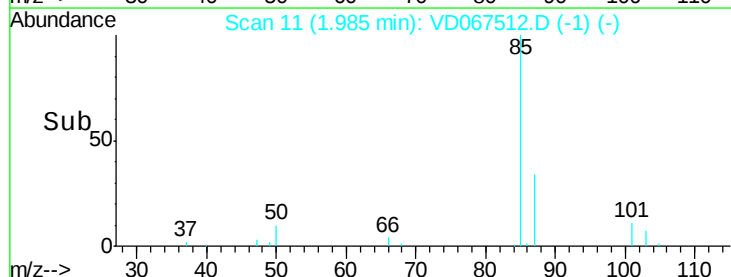
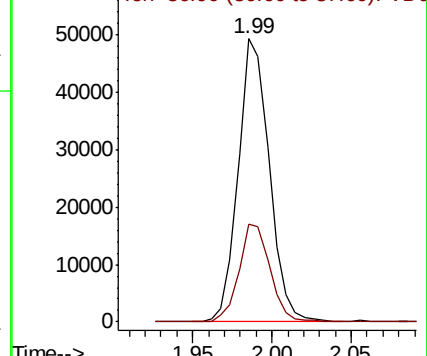
85 100

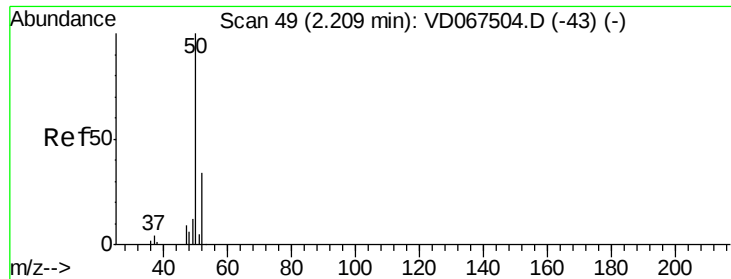
87 34.4 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.902 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

Tot Ion: 50 Resp: 44791

Ion Ratio Lower Upper

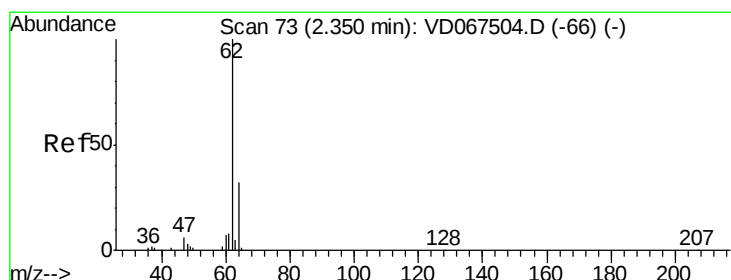
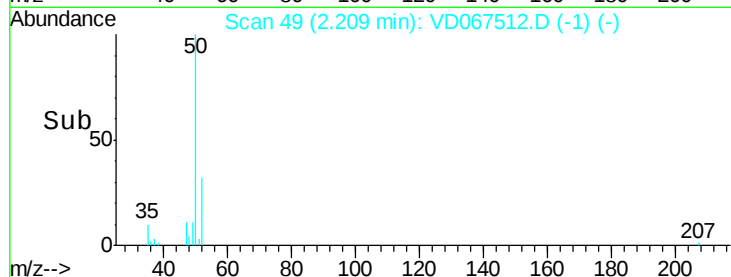
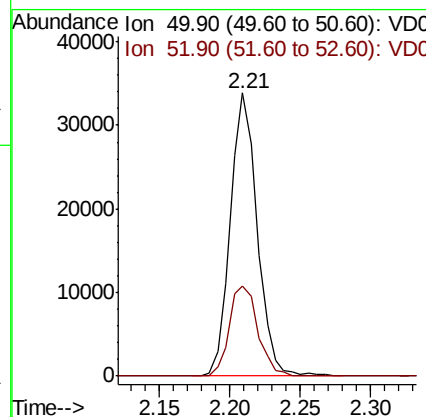
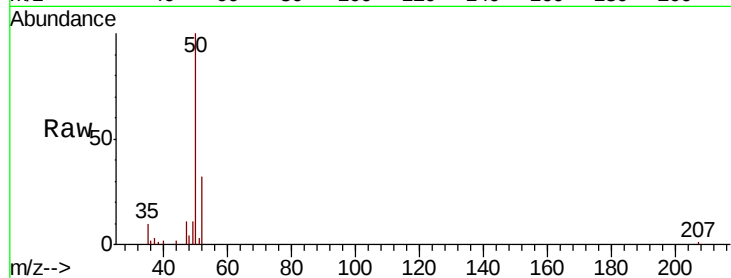
50 100

52 32.0 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.214 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067512.D

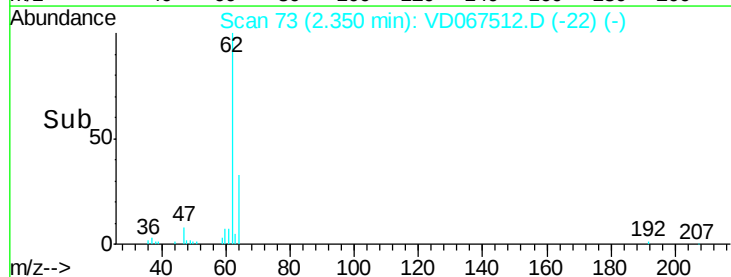
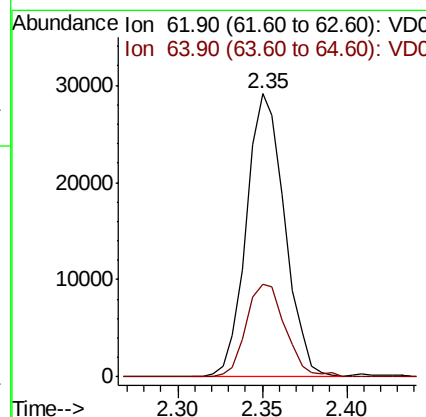
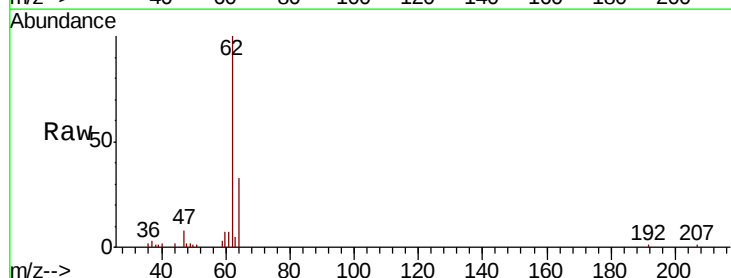
Acq: 04 Nov 2020 11:31

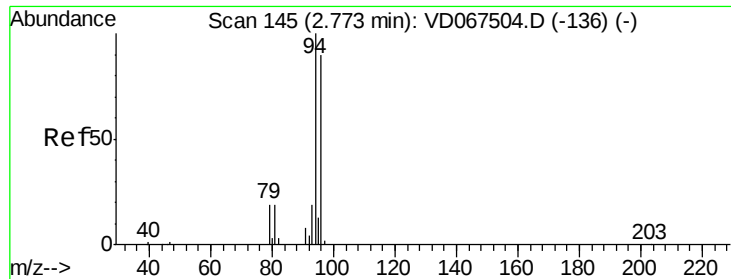
Tgt Ion: 62 Resp: 46088

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 20.137 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

Tot Ion: 94 Resp: 37213

Ion Ratio Lower Upper

94 100

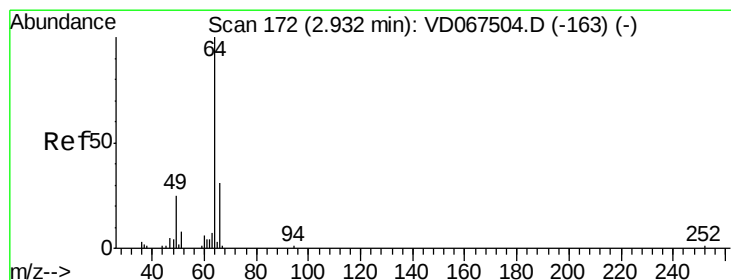
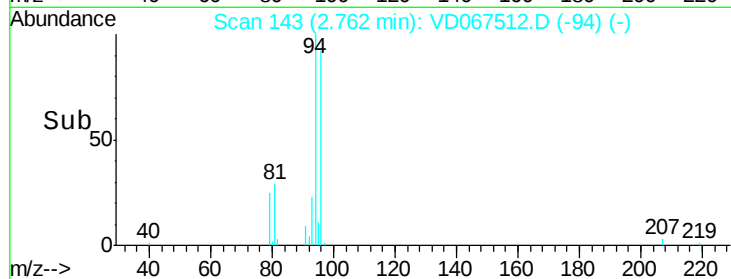
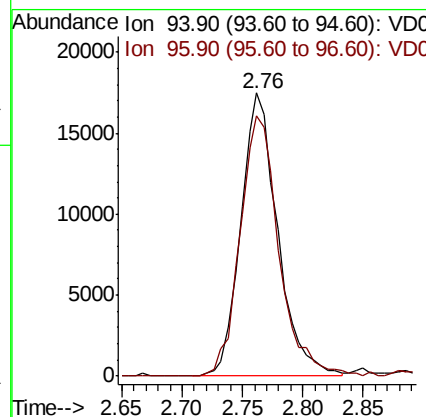
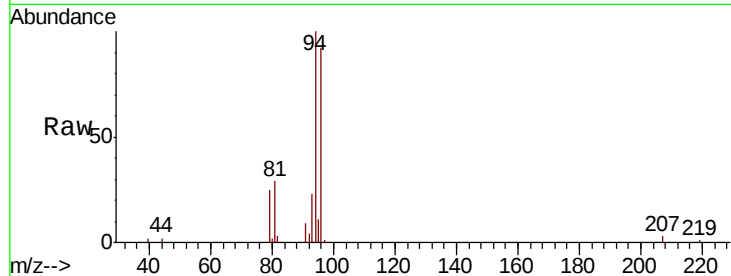
96 92.1 72.2 108.2

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 21.249 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067512.D

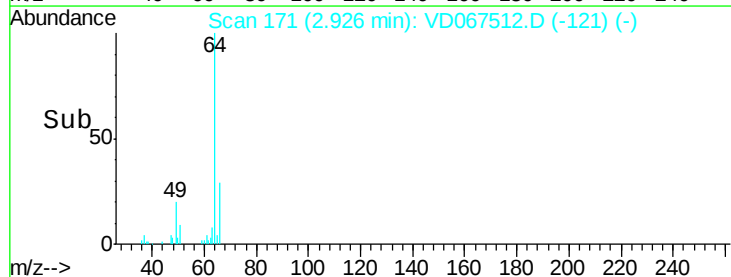
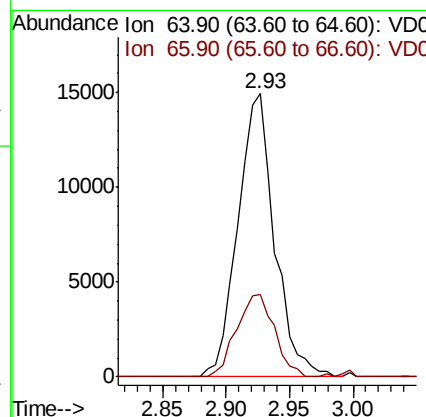
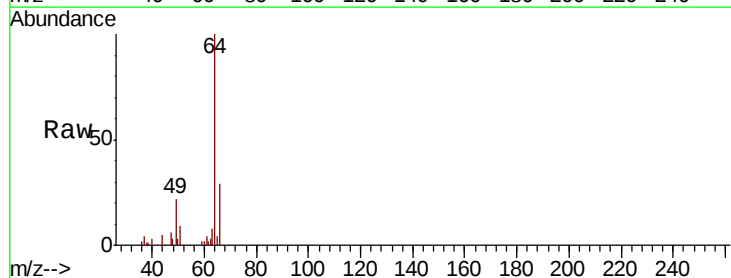
Acq: 04 Nov 2020 11:31

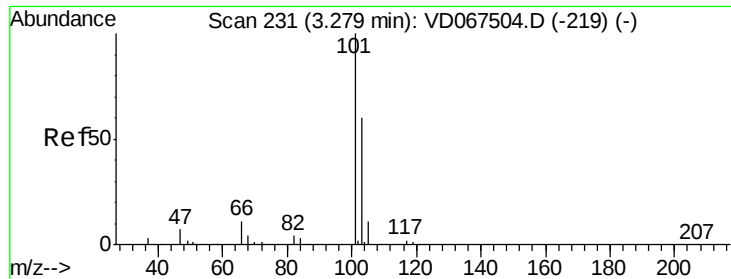
Tgt Ion: 64 Resp: 29869

Ion Ratio Lower Upper

64 100

66 28.9 24.6 36.8





#7

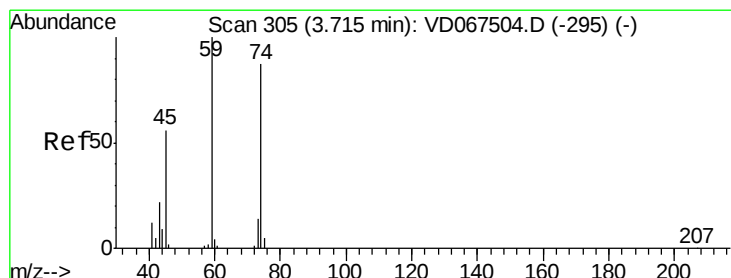
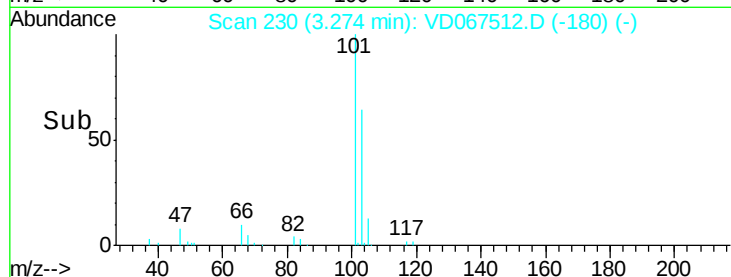
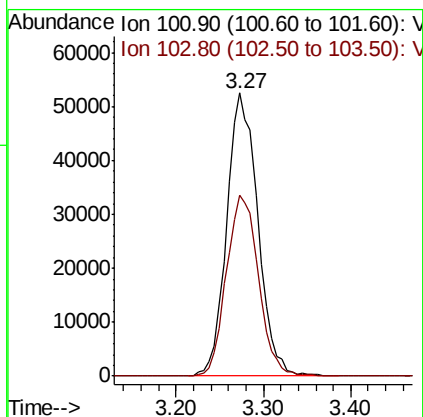
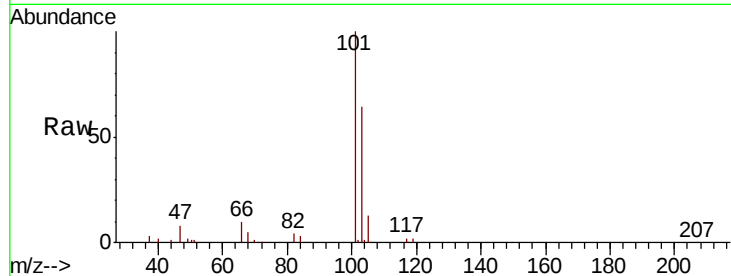
Trichlorofluoromethane
Concen: 21.442 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
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ClientSampleId :
VD1104SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		126586		
103	64.1	48.1	72.1		

Manual Integrations
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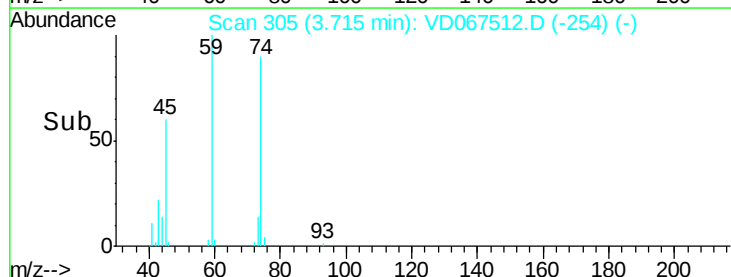
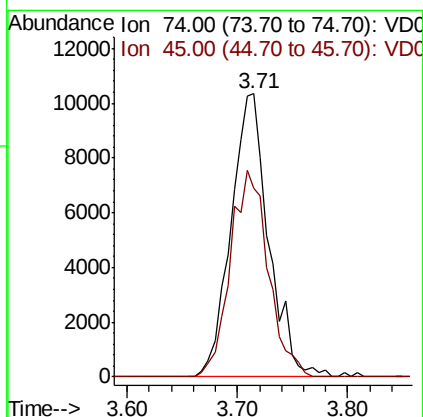
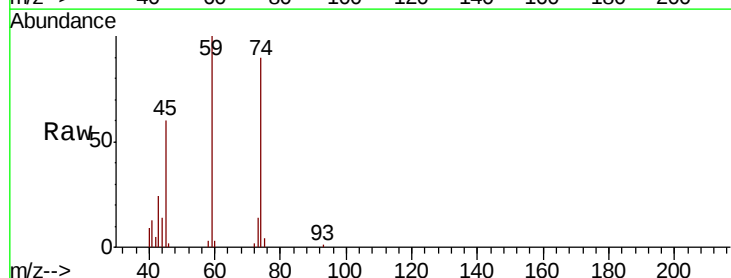
MMDadoda
11/5/2020 7:01:09 PM

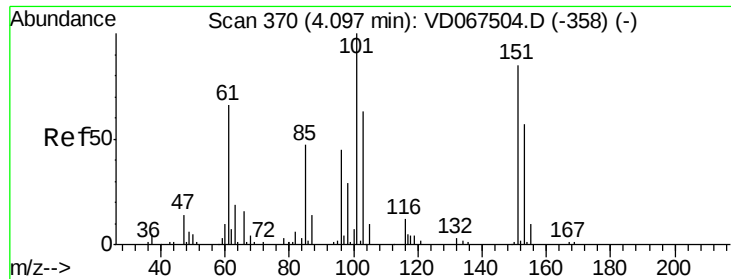


#8

Diethyl Ether
Concen: 20.840 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		24790		
45	73.4	38.2	114.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.604 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

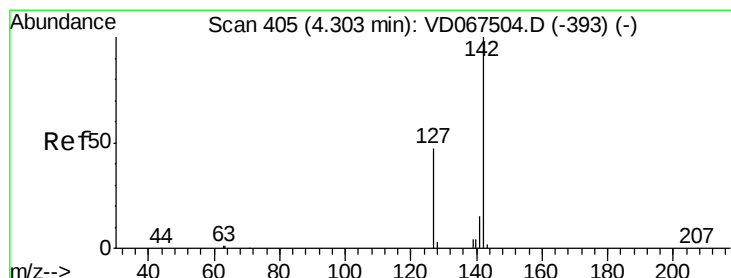
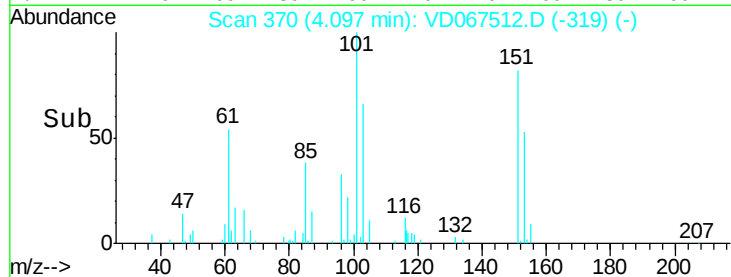
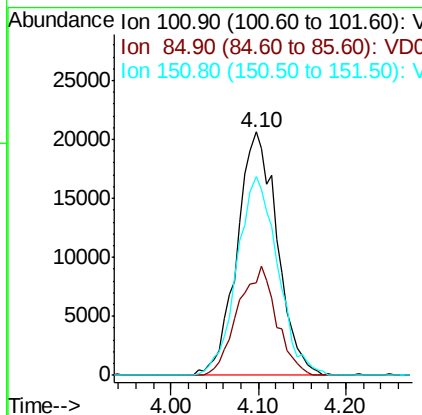
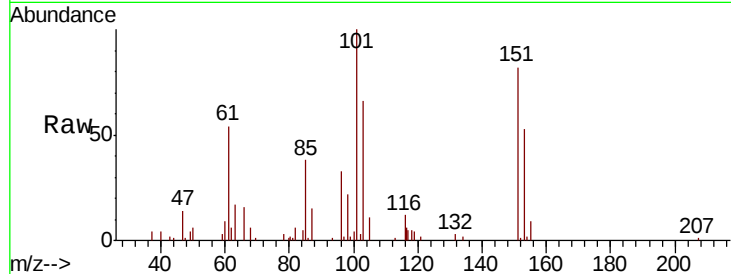
ClientSampleId :

VD1104SBS01

Tot Ion:	101	Resp:	64379
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.4	51.6
151	83.1	68.1	102.1

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#10

Methyl Iodide

Concen: 19.053 ug/l

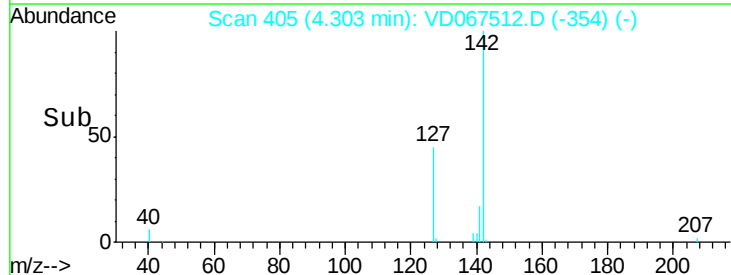
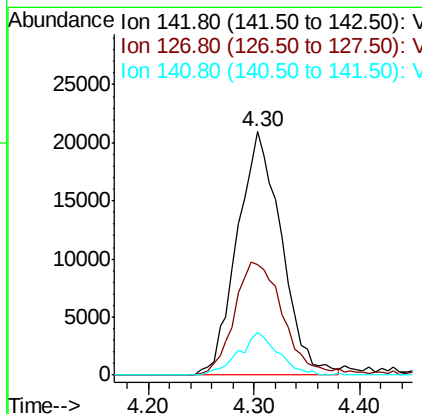
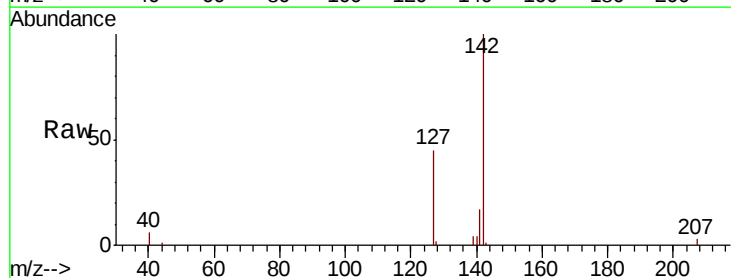
RT: 4.30 min Scan# 405

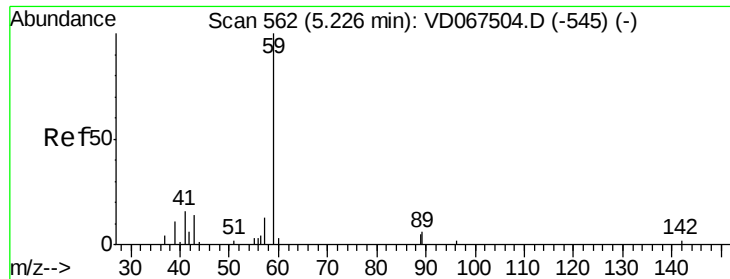
Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Tgt Ion:	142	Resp:	60853
Ion Ratio	Lower	Upper	
142	100		
127	51.3	40.0	60.0
141	15.5	11.7	17.5





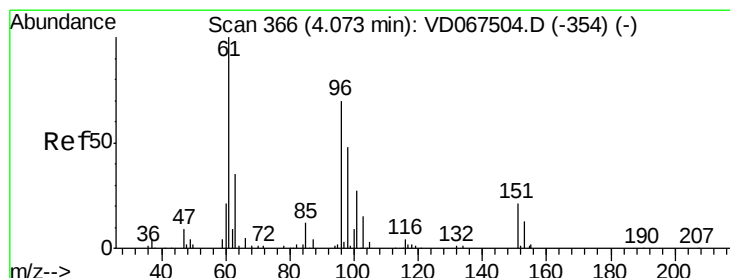
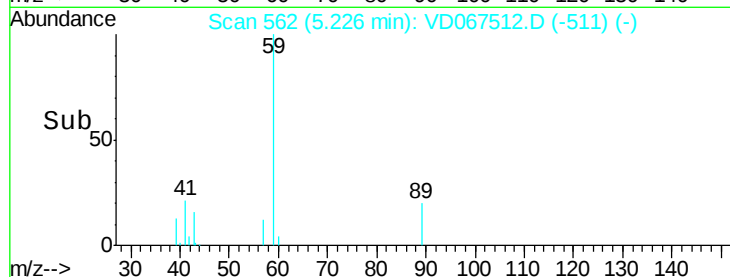
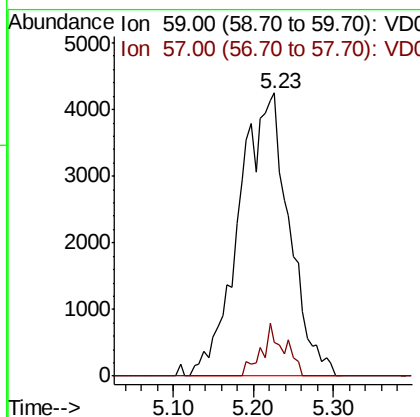
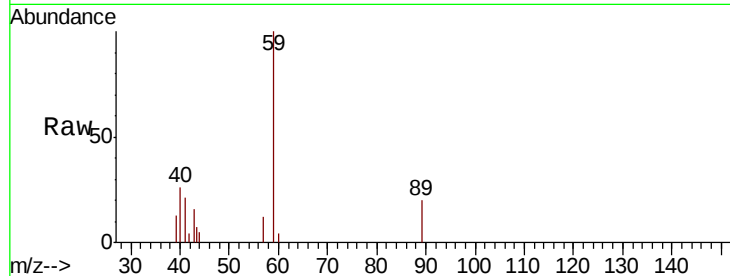
#11
Tert butyl alcohol
Concen: 141.036 ug/l m
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBSD01

Tot Ion: 59 Resp: 18542
Ion Ratio Lower Upper
59 100
57 0.0 5.9 8.9#

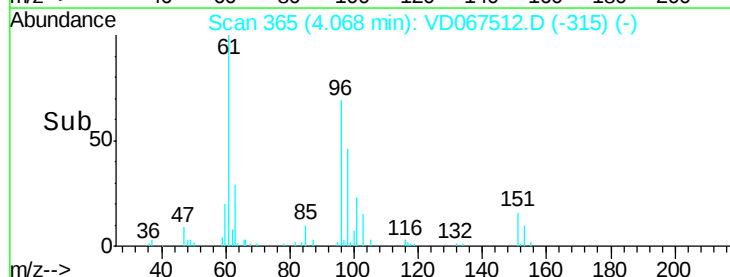
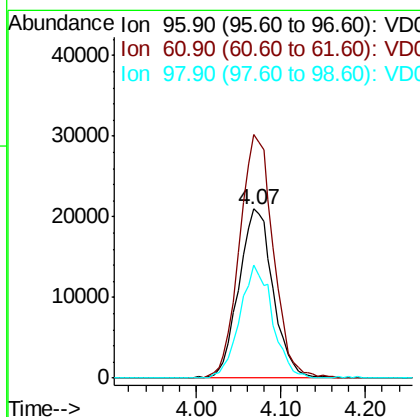
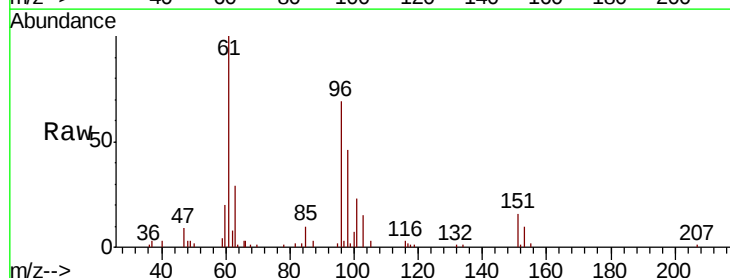
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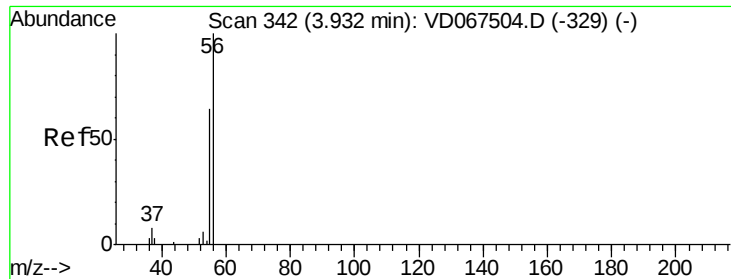
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.479 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion: 96 Resp: 58874
Ion Ratio Lower Upper
96 100
61 144.2 114.5 171.7
98 67.0 54.5 81.7





#13

Acrolein

Concen: 78.493 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

Tot Ion: 56 Resp: 7208

Ion Ratio Lower Upper

56 100

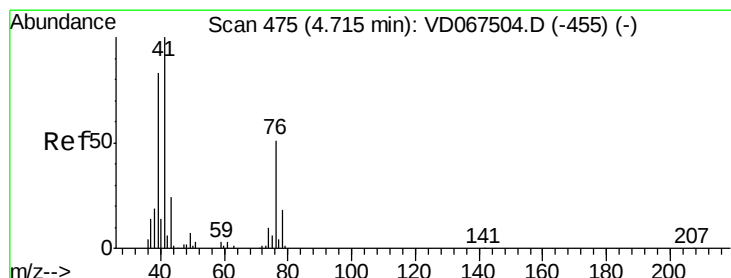
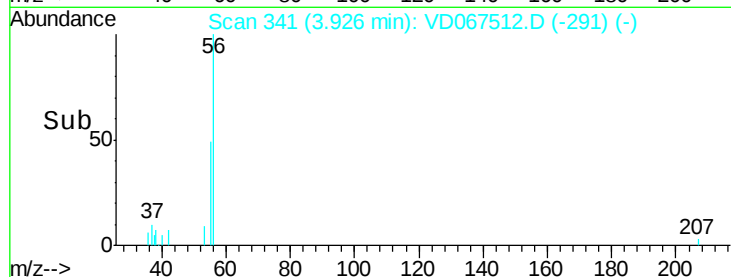
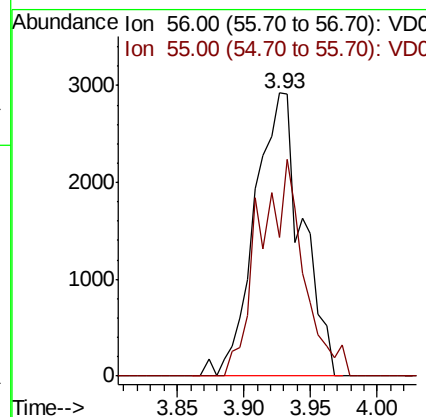
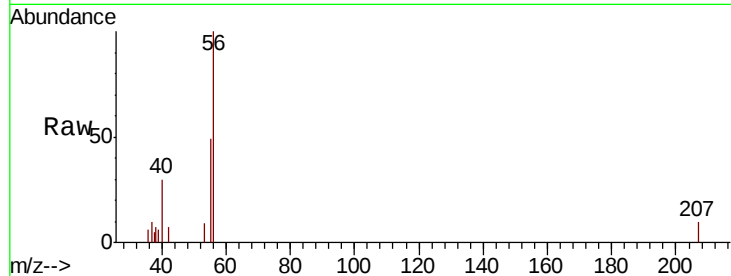
55 71.9 55.8 83.8

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#14

Allyl chloride

Concen: 20.851 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

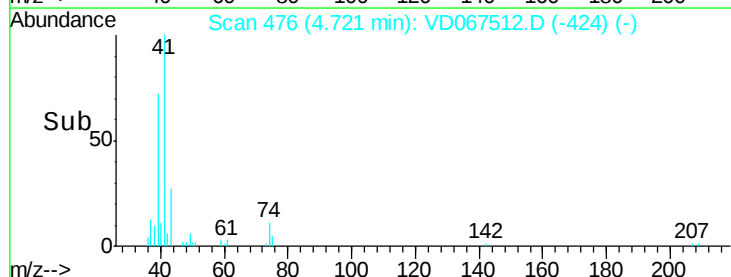
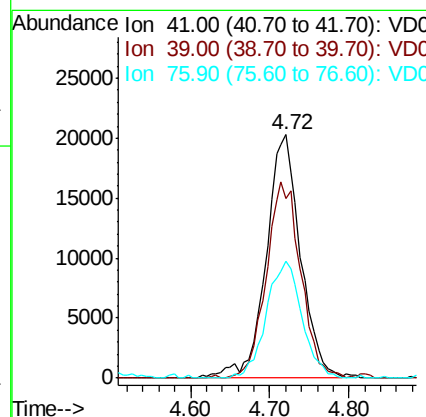
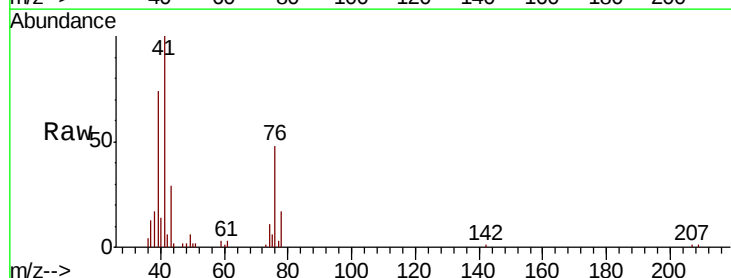
Tgt Ion: 41 Resp: 61168

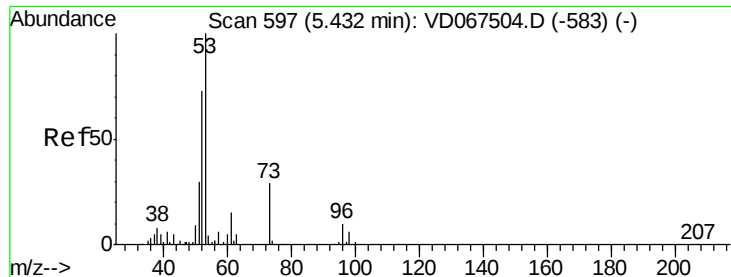
Ion Ratio Lower Upper

41 100

39 80.8 67.4 101.0

76 49.6 42.2 63.2





#15

Acrylonitrile

Concen: 102.293 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

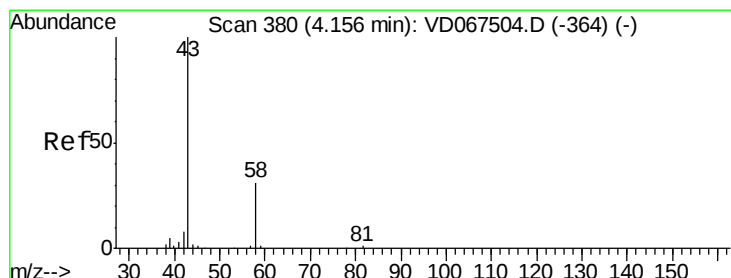
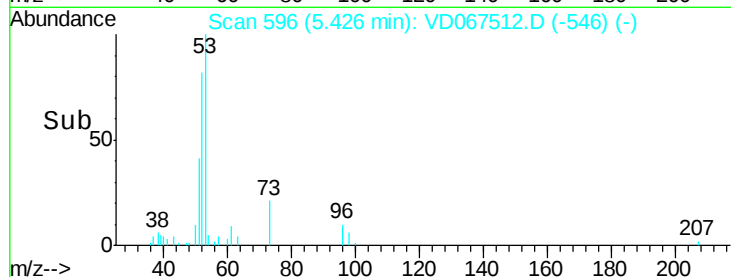
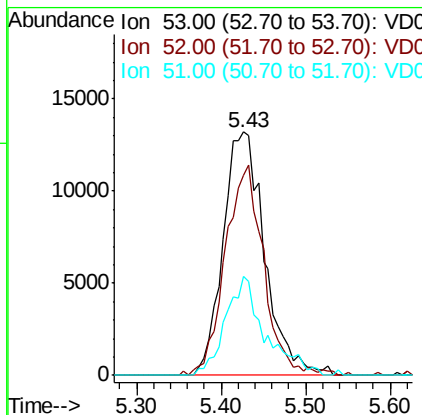
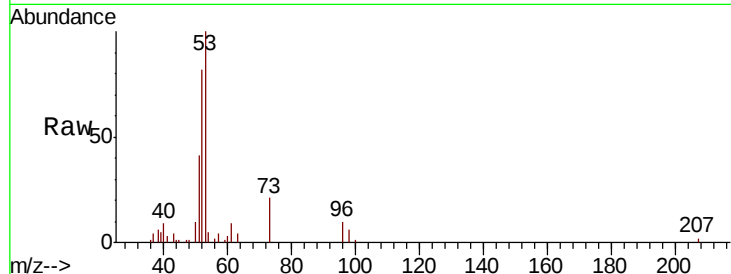
ClientSampleId :

VD1104SBS01

Tot Ion:	53	Resp:	44981
Ion Ratio	Lower	Upper	
53	100		
52	79.8	64.8	97.2
51	38.7	29.5	44.3

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#16

Acetone

Concen: 98.595 ug/l

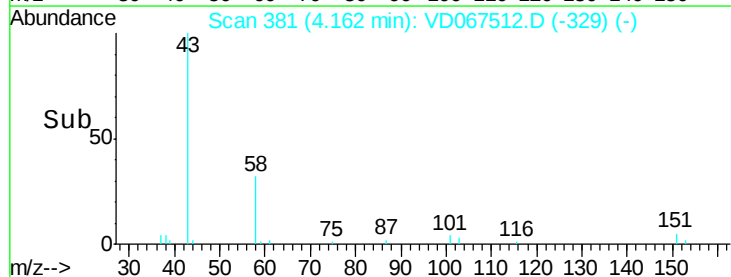
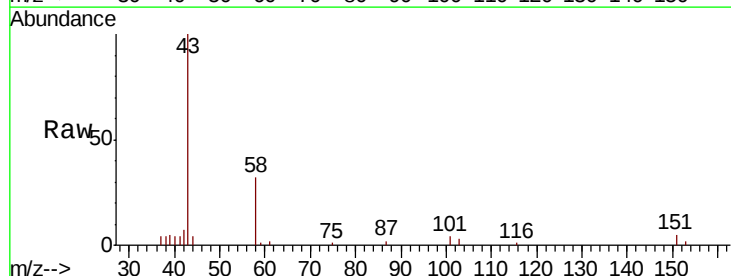
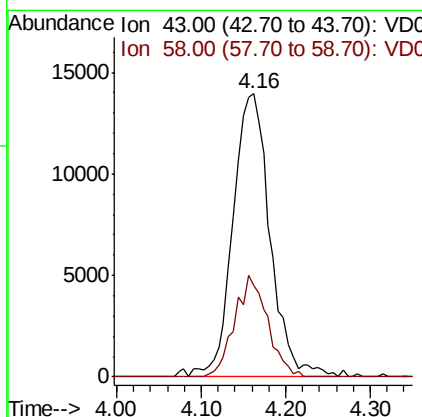
RT: 4.16 min Scan# 381

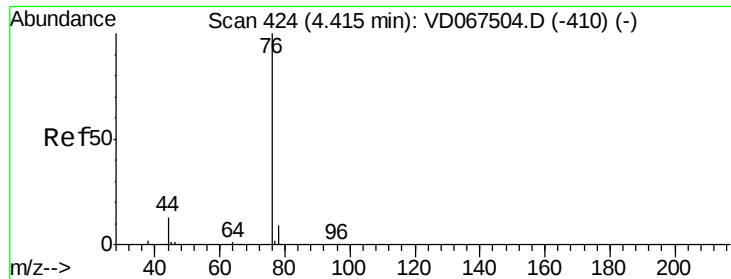
Delta R.T. 0.01 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Tgt Ion:	43	Resp:	42367
Ion Ratio	Lower	Upper	
43	100		
58	32.3	25.2	37.8





#17

Carbon Disulfide

Concen: 20.883 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBSD01

Tot Ion: 76 Resp: 175399

Ion Ratio Lower Upper

76 100

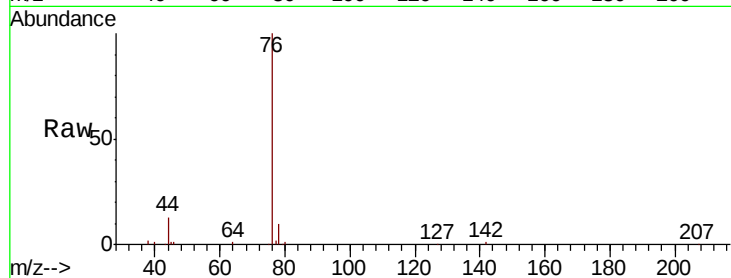
78 10.4 7.2 10.8

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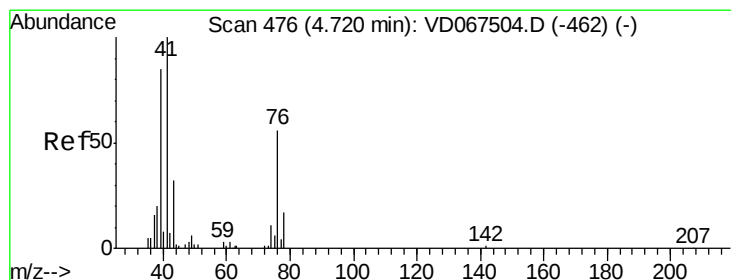
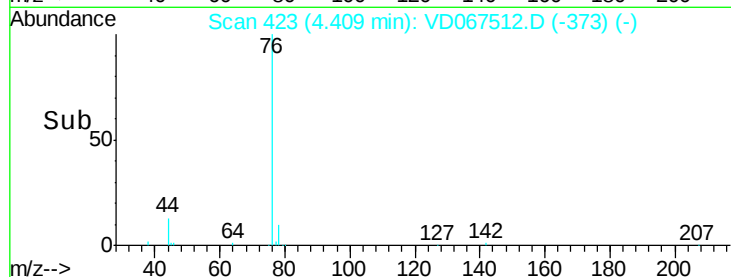
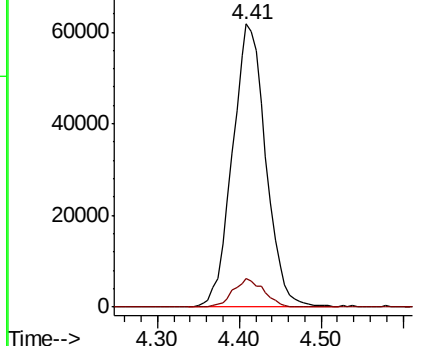
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.179 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067512.D

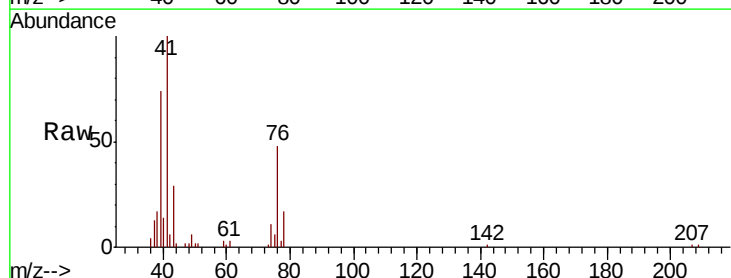
Acq: 04 Nov 2020 11:31

Tgt Ion: 43 Resp: 17918

Ion Ratio Lower Upper

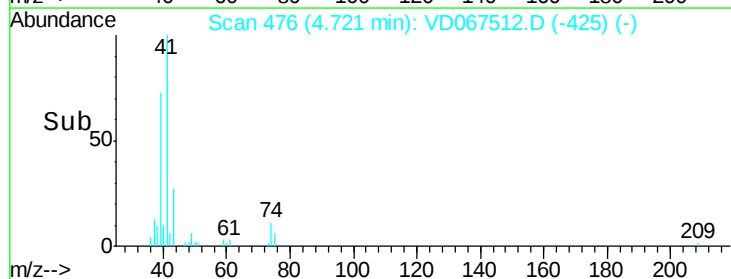
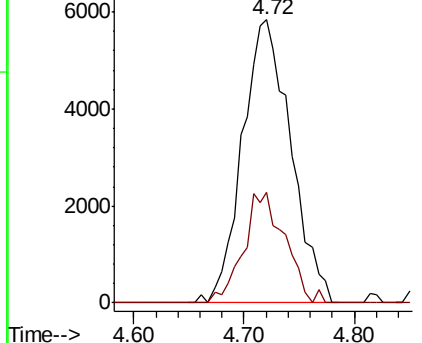
43 100

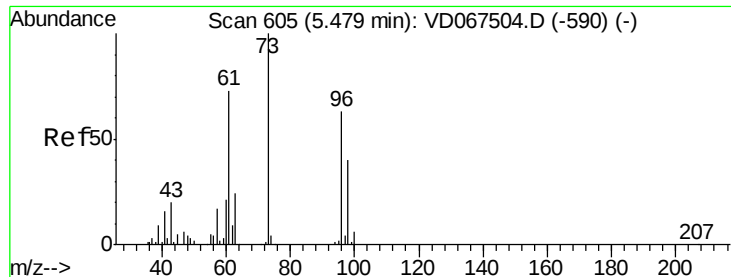
74 33.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





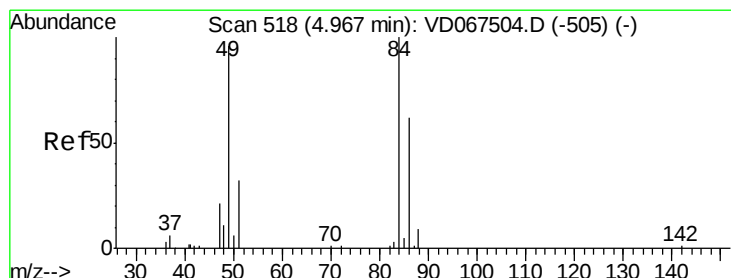
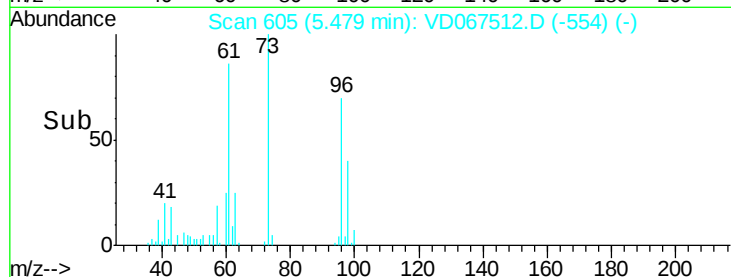
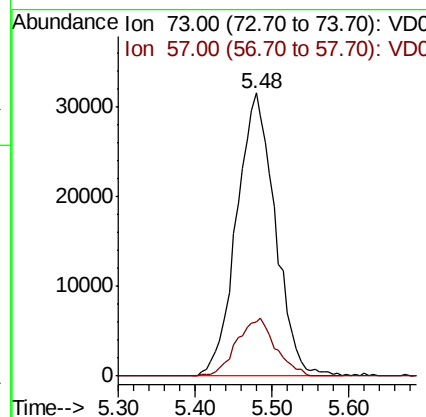
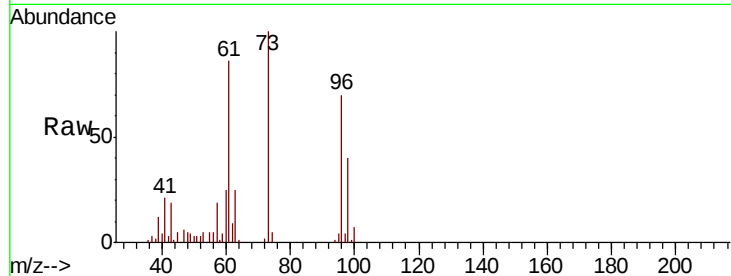
#19
Methyl tert-butyl Ether
Concen: 20.385 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	13.4	20.0

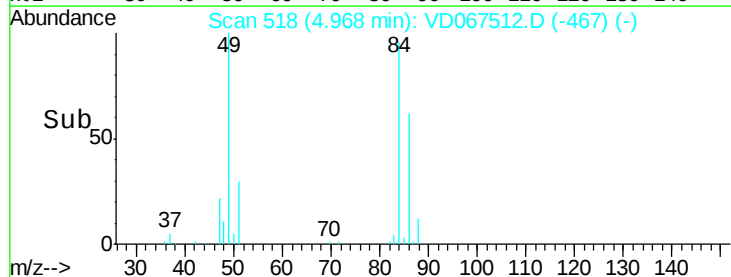
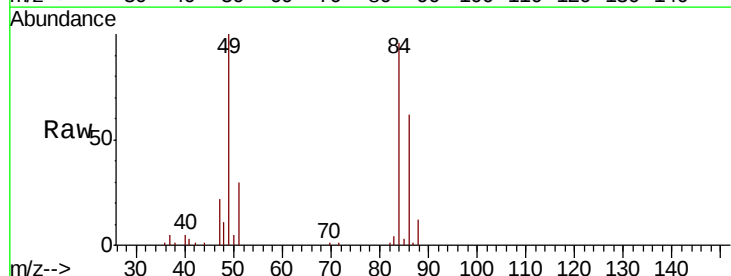
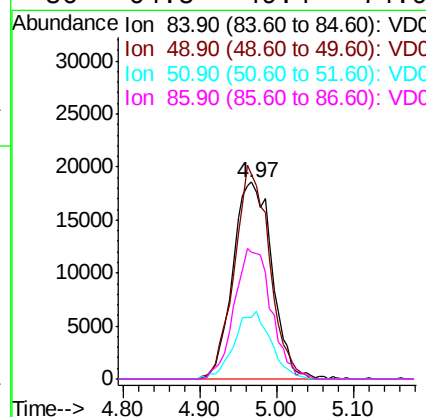
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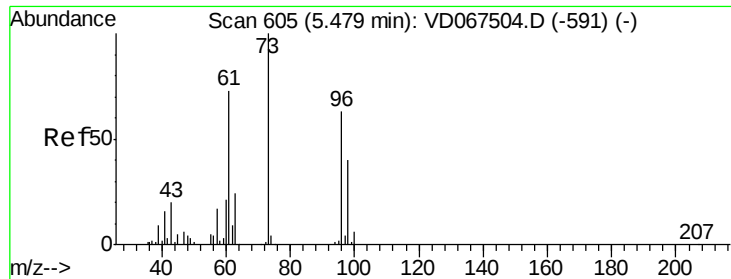
MMDadoda
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#20
Methylene Chloride
Concen: 21.765 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.9	77.0	115.4
51	31.3	25.4	38.2
86	64.5	49.4	74.0





#21

trans-1,2-Dichloroethene

Concen: 20.863 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

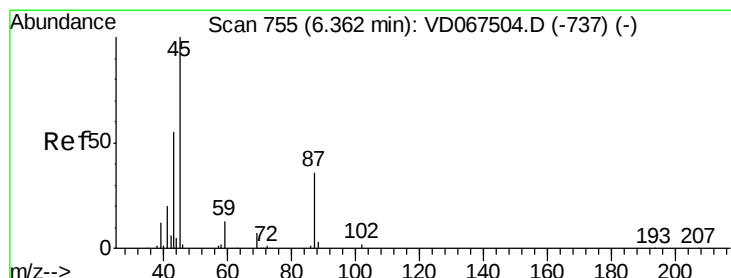
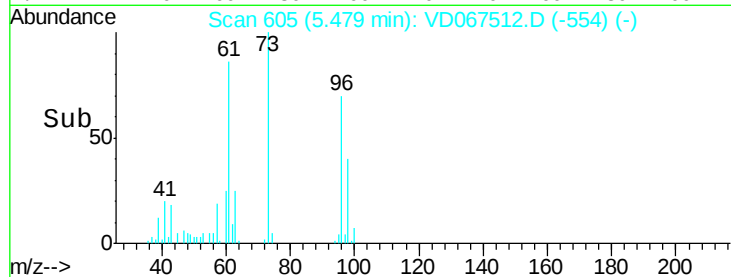
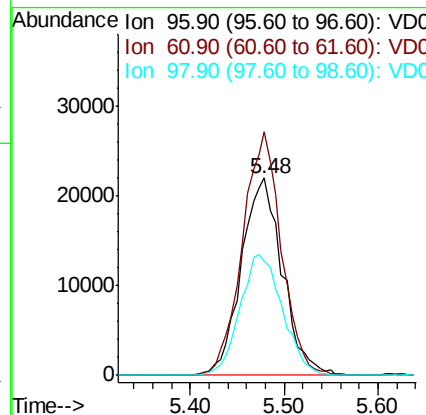
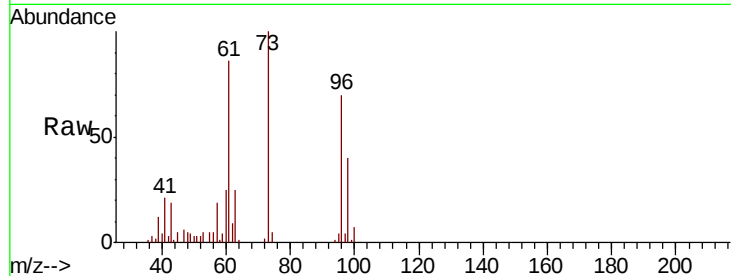
ClientSampleId :

VD1104SBSD01

Tot Ion:	96	Resp:	66605
Ion	Ratio	Lower	Upper
96	100		
61	123.4	93.0	139.6
98	57.9	50.9	76.3

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#22

Diisopropyl ether

Concen: 21.820 ug/l

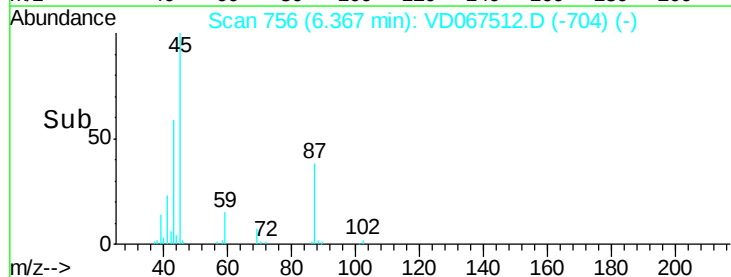
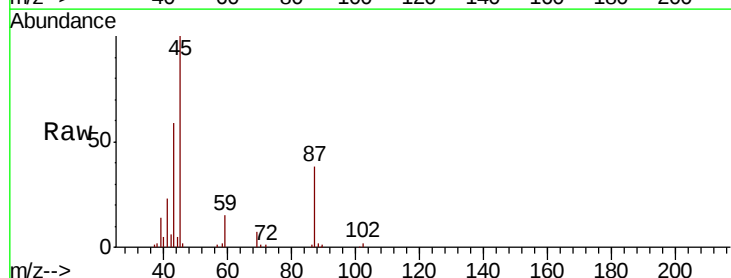
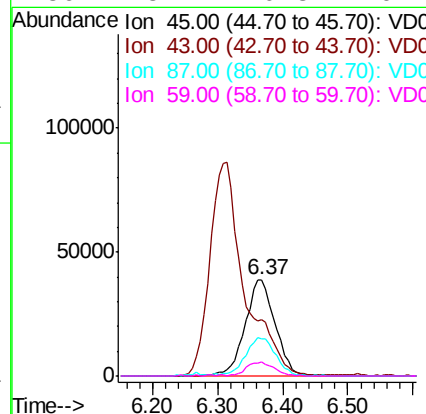
RT: 6.37 min Scan# 756

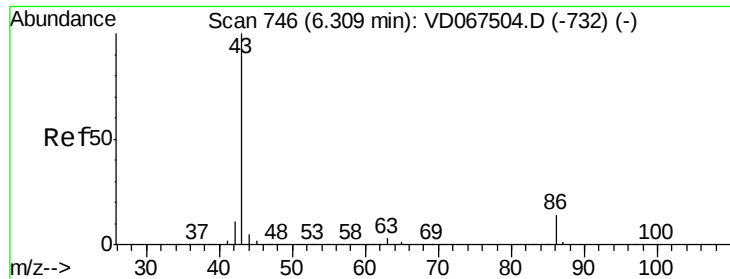
Delta R.T. 0.01 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Tgt Ion:	45	Resp:	124737
Ion	Ratio	Lower	Upper
45	100		
43	56.8	46.2	69.4
87	38.3	29.4	44.2
59	15.1	10.8	16.2





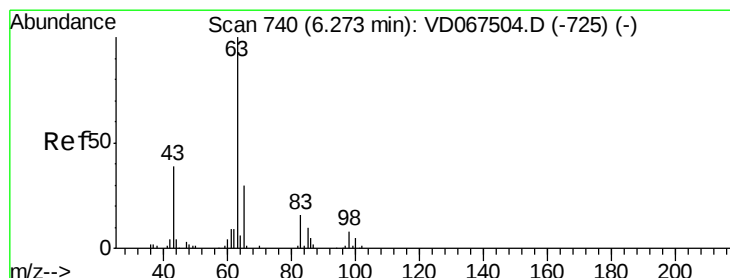
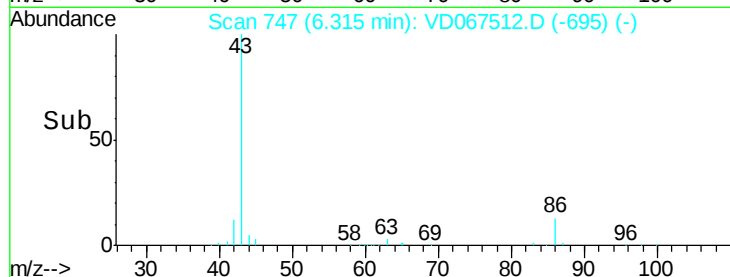
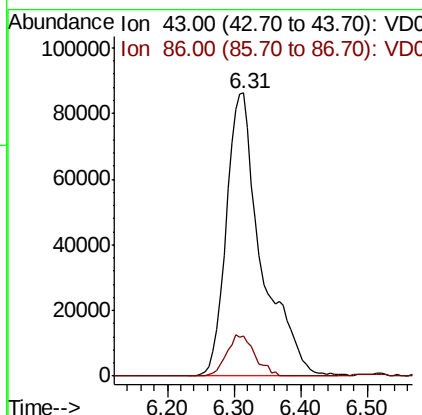
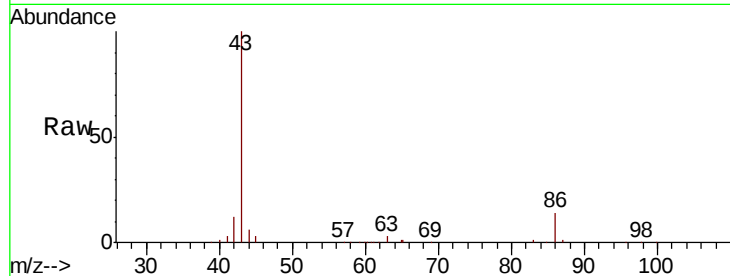
#23
 Vinyl Acetate
 Concen: 105.960 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Tot Ion	43	Resp	317078
Ion Ratio	100	Lower	Upper
43	100		
86	14.0	11.6	17.4

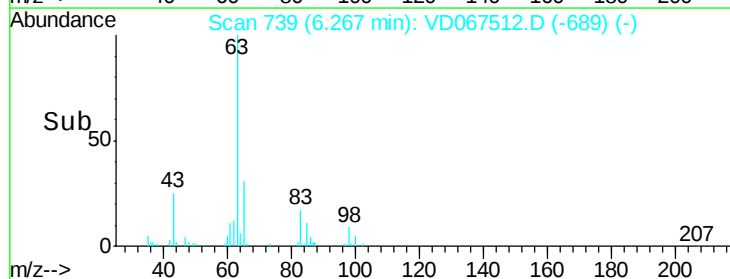
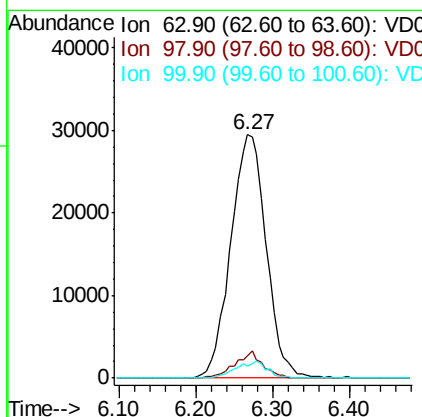
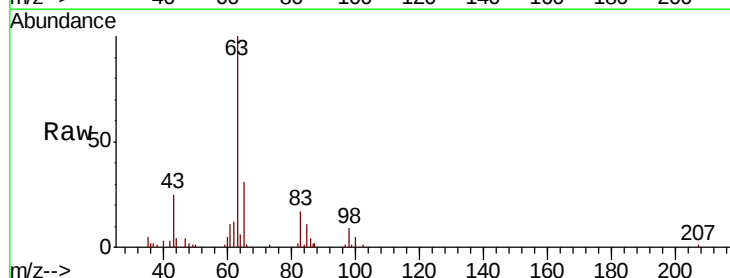
Manual Integrations
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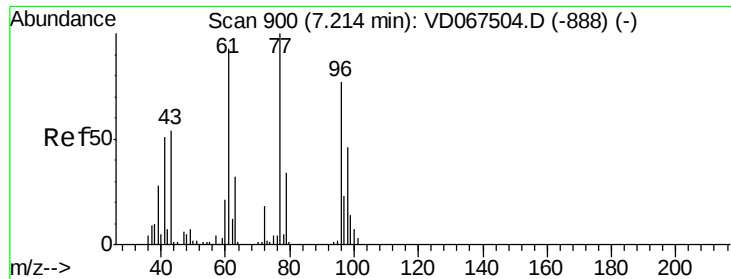
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 11/5/2020 7:01:09 PM



#24
 1,1-Dichloroethane
 Concen: 20.291 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Tgt Ion	63	Resp	94897
Ion Ratio	100	Lower	Upper
63	100		
98	9.0	3.9	11.5
100	4.9	2.6	7.8





#25

2-Butanone

Concen: 106.881 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBSD01

Tot Ion: 43 Resp: 49075

Ion Ratio Lower Upper

43 100

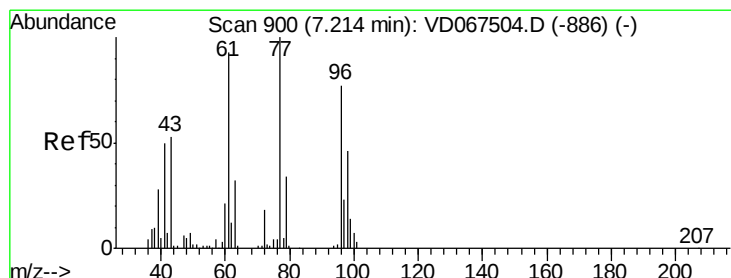
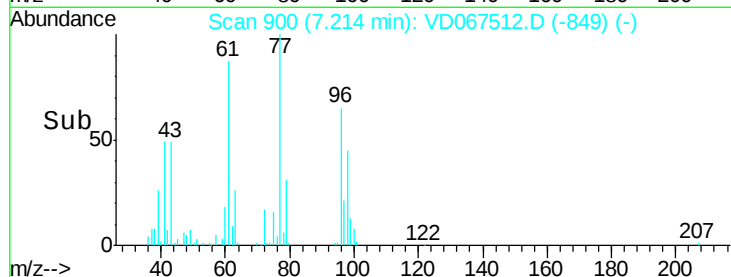
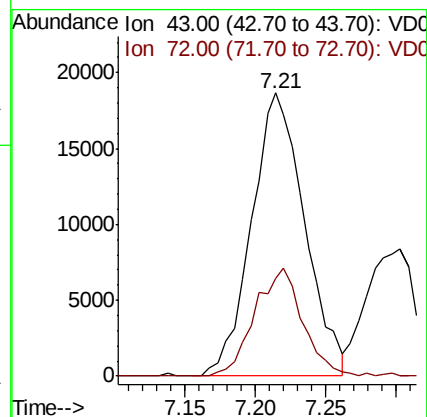
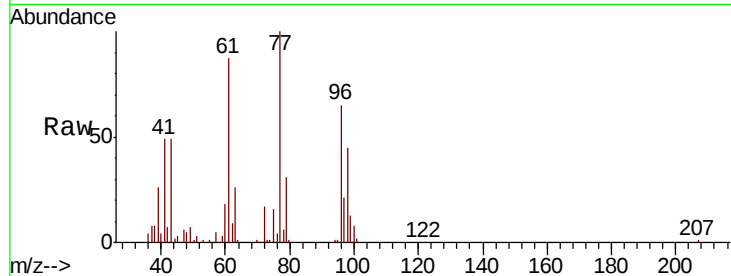
72 34.4 26.4 39.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.388 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067512.D

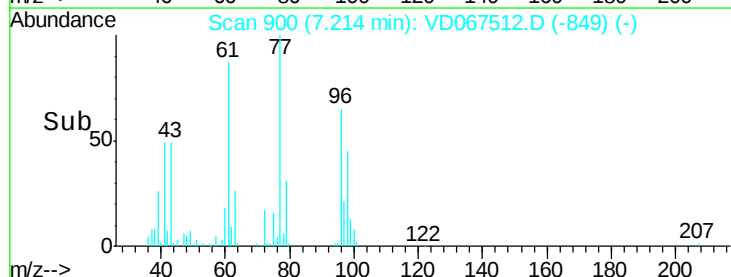
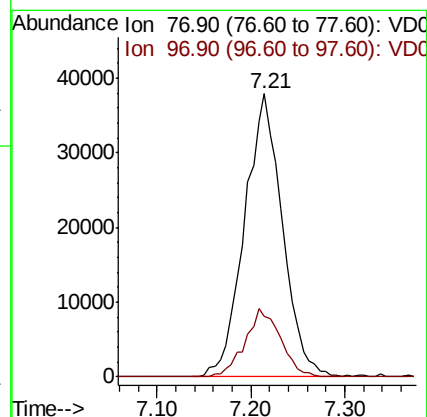
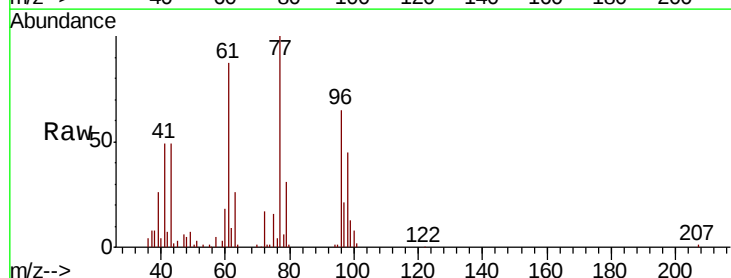
Acq: 04 Nov 2020 11:31

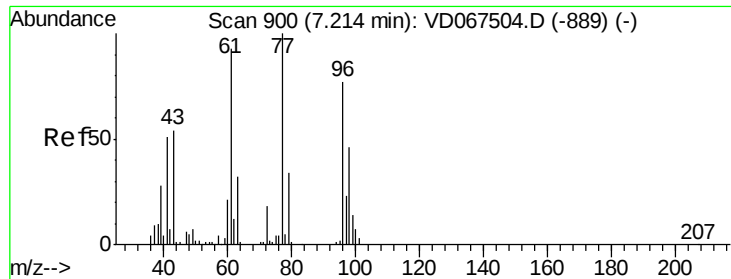
Tgt Ion: 77 Resp: 105568

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3





#27

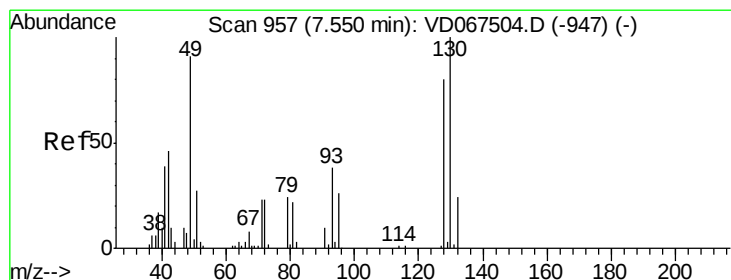
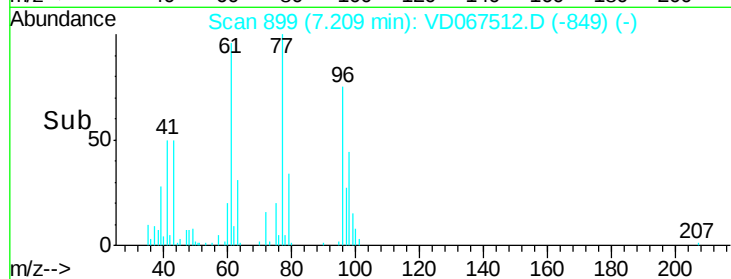
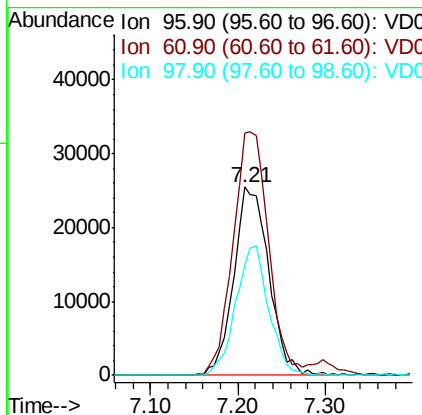
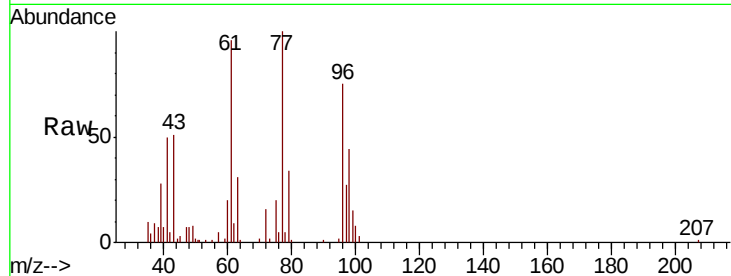
cis-1,2-Dichloroethene
Concen: 20.892 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	251.6
98	64.5	0.0	128.0

Manual Integrations
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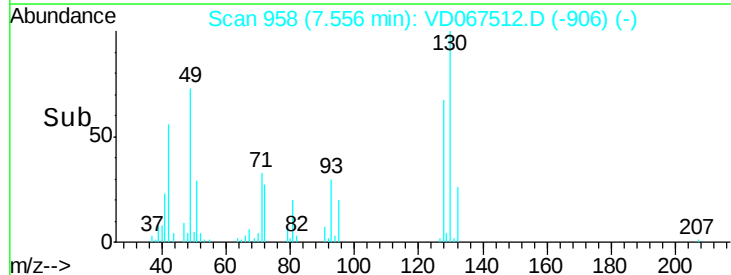
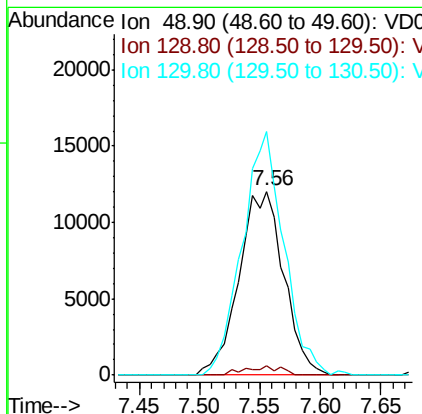
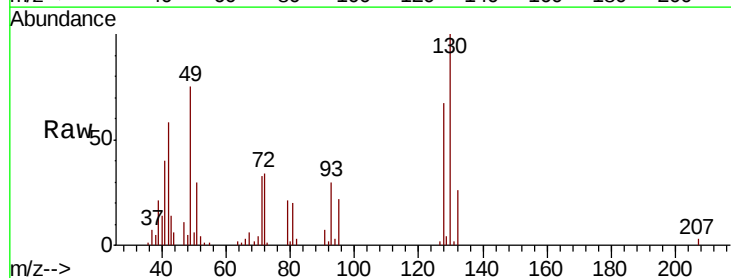
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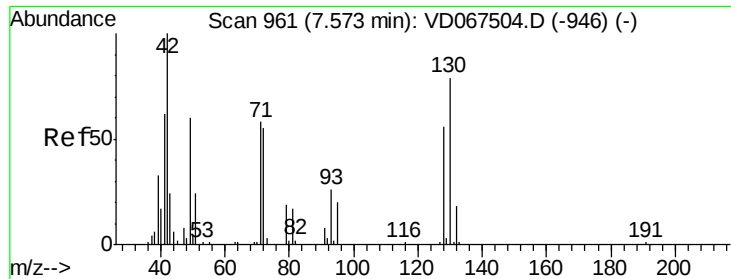


#28

Bromochloromethane
Concen: 18.718 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.9	0.0	6.4
130	123.0	94.6	142.0





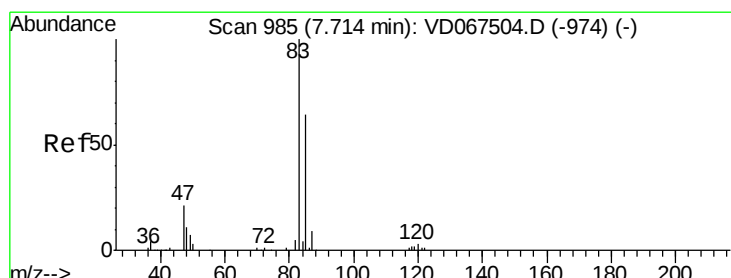
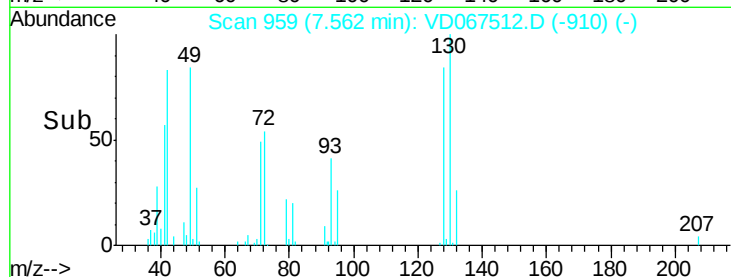
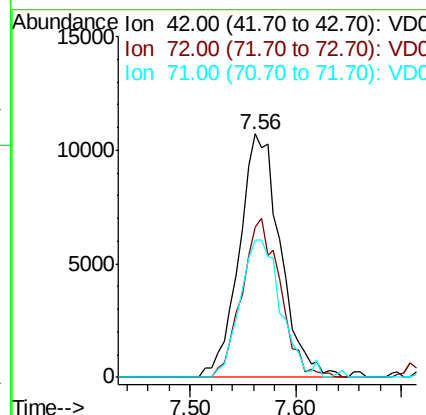
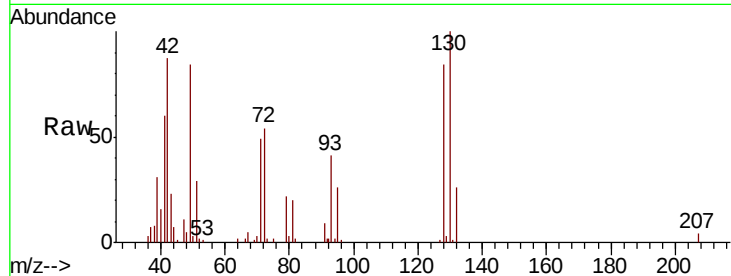
#29
Tetrahydrofuran
Concen: 105.499 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.5	46.3	69.5
71	55.2	44.0	66.0

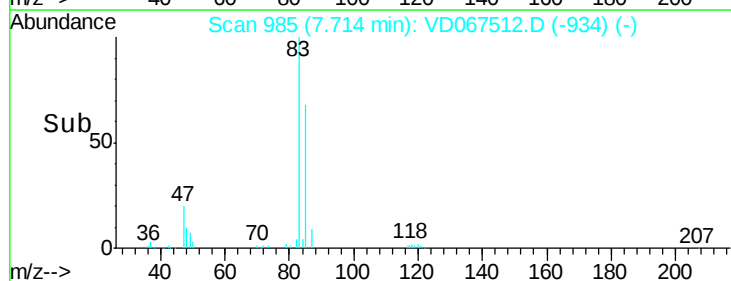
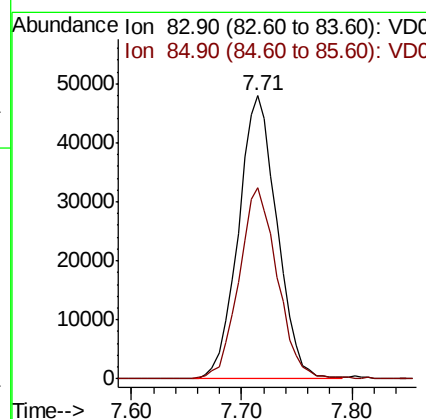
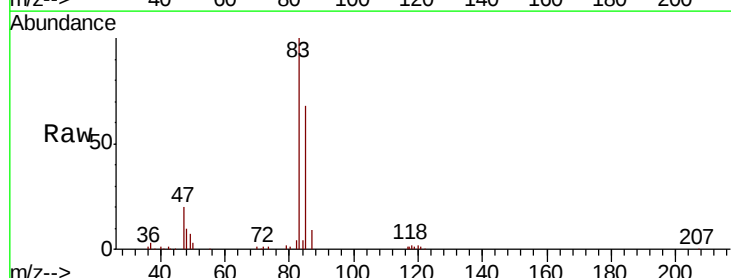
Manual Integrations
APPROVED

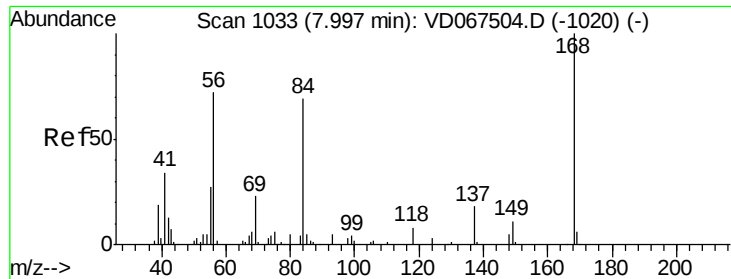
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#30
Chloroform
Concen: 21.097 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.5	77.3





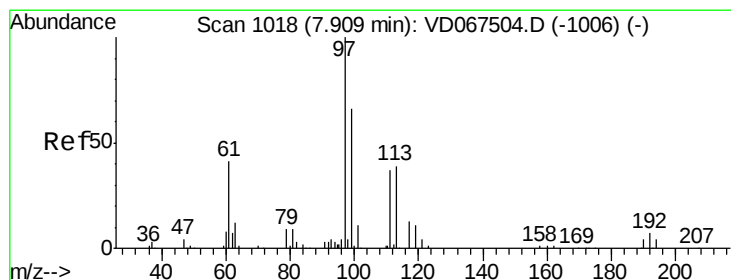
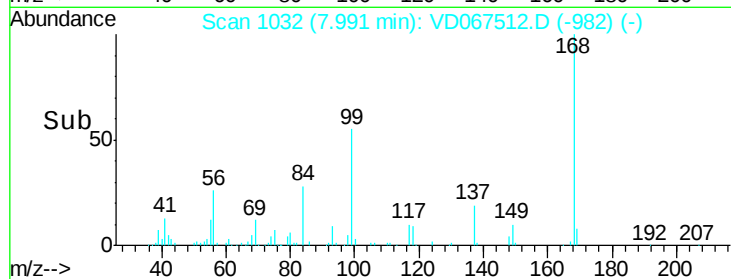
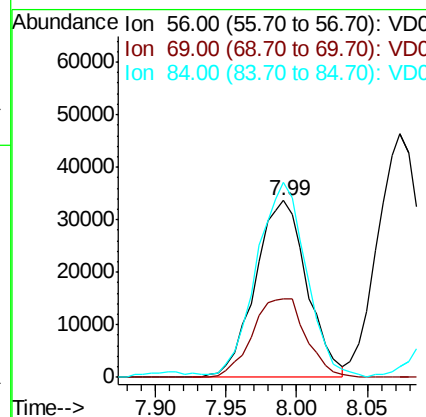
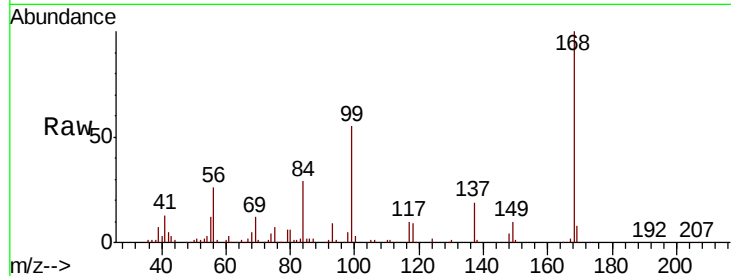
#31
Cyclohexane
Concen: 20.670 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.4	25.9	38.9#
84	108.4	76.2	114.4

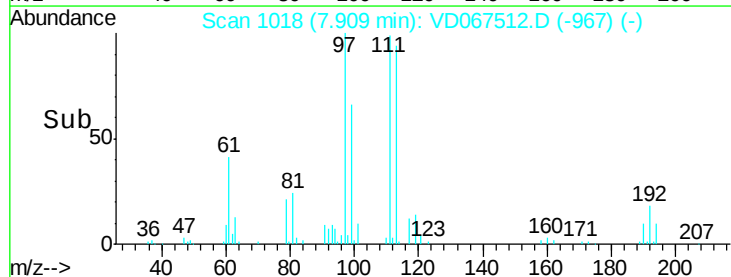
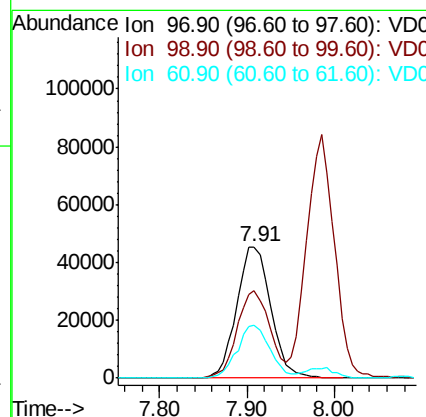
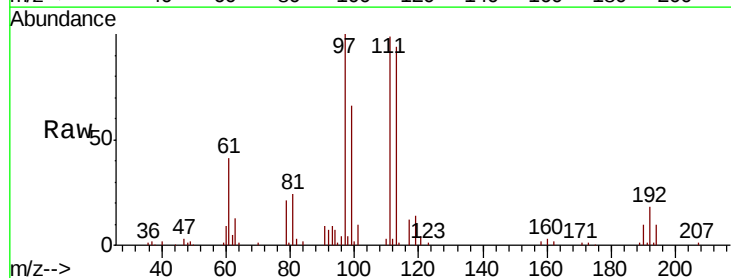
Manual Integrations
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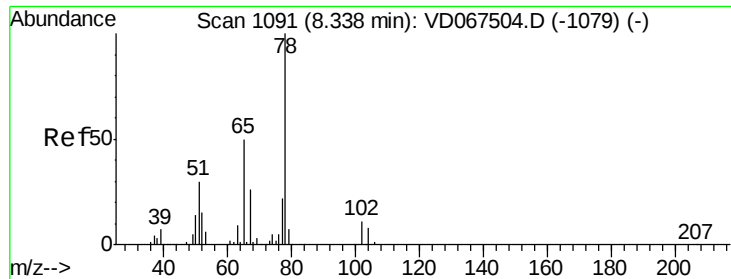
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#32
1,1,1-Trichloroethane
Concen: 20.852 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	38.5	30.5	45.7





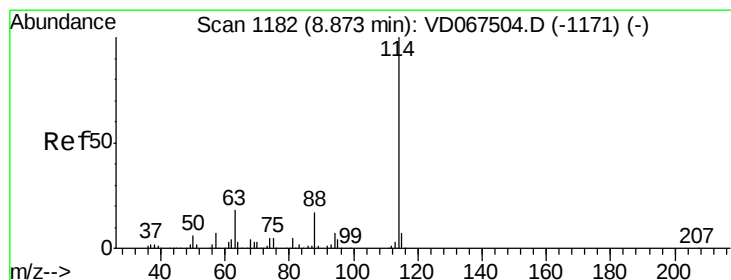
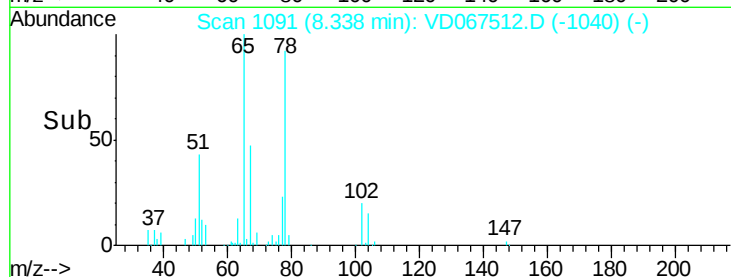
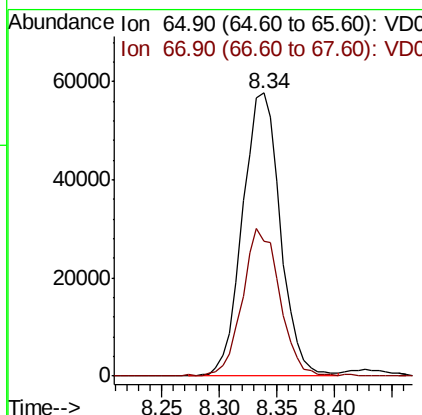
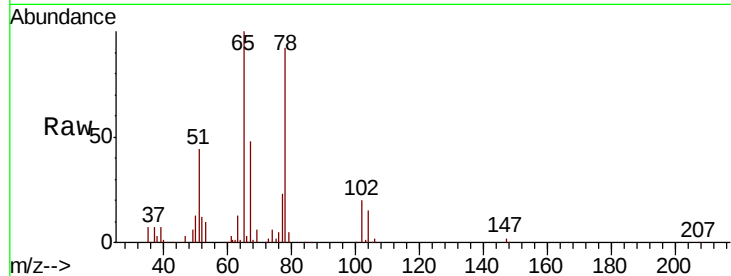
#33
 1,2-Dichloroethane-d4
 Concen: 45.800 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	131515		
67	51.3	0.0	99.4	

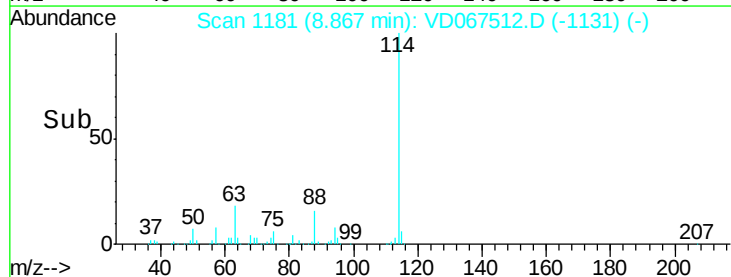
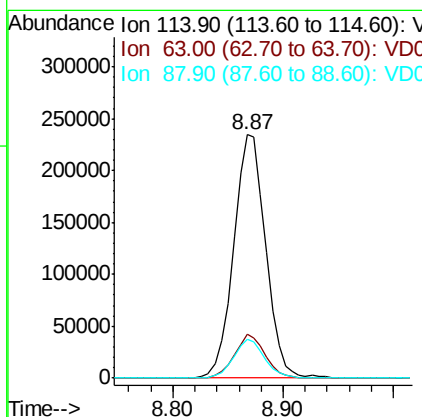
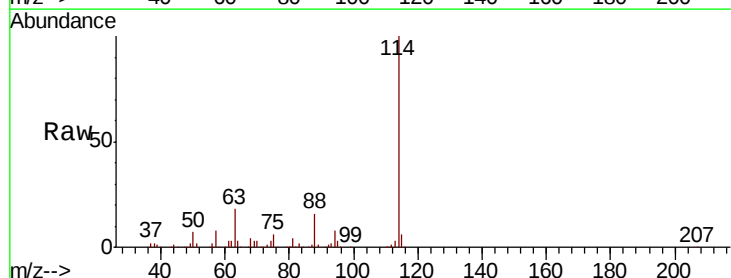
Manual Integrations
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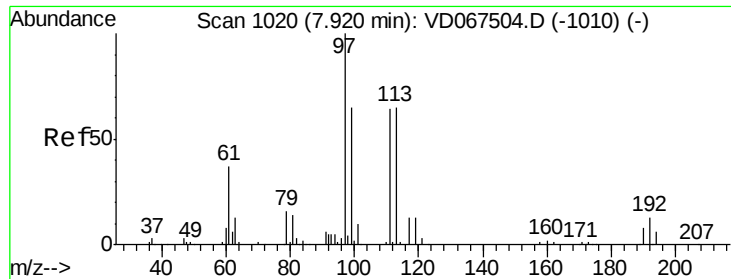
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	477390		
63	18.0	0.0	35.0	
88	15.8	0.0	33.0	





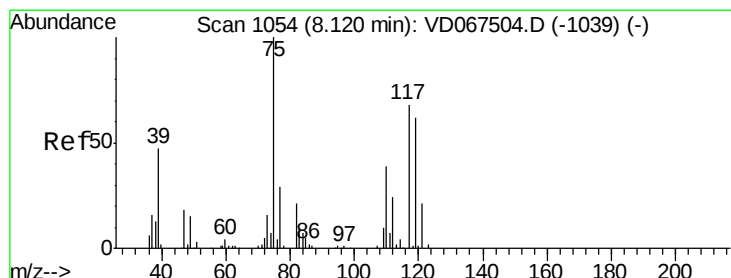
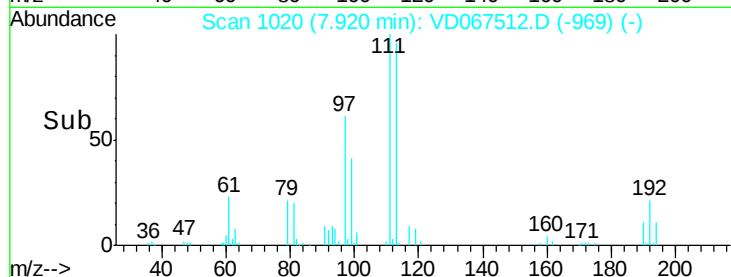
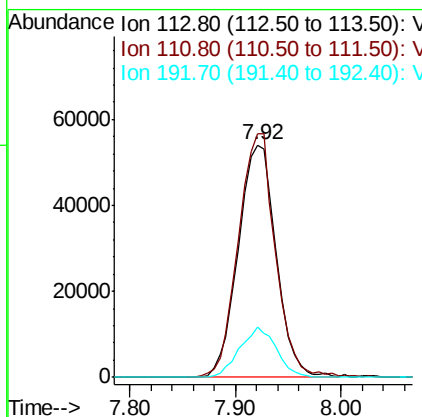
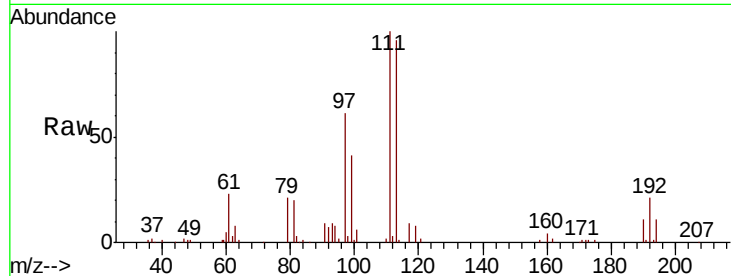
#35
 Dibromofluoromethane
 Concen: 46.783 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	134559		
111	103.2	80.0	120.0	
192	21.0	16.3	24.5	

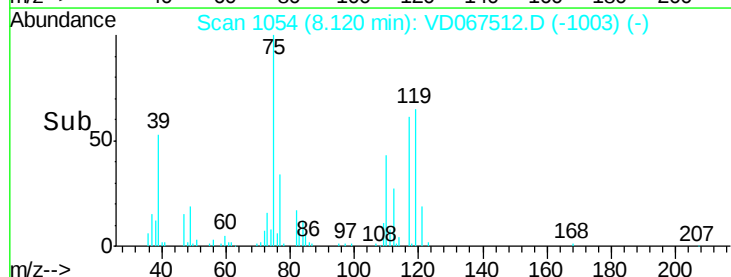
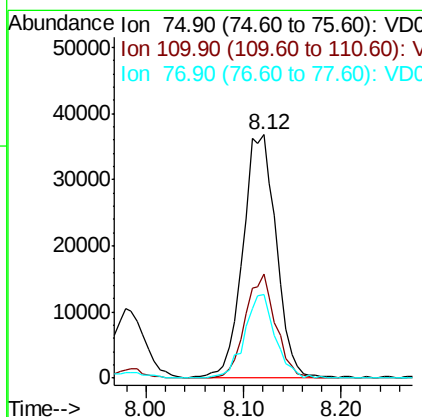
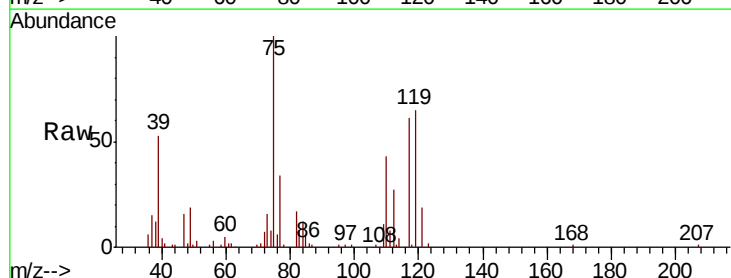
Manual Integrations
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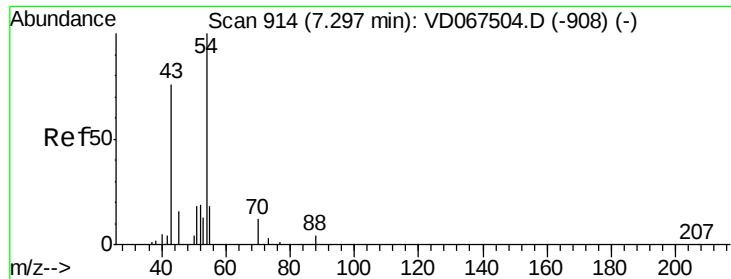
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#36
 1,1-Dichloropropene
 Concen: 21.657 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88499		
110	38.5	19.9	59.7	
77	31.4	24.8	37.2	





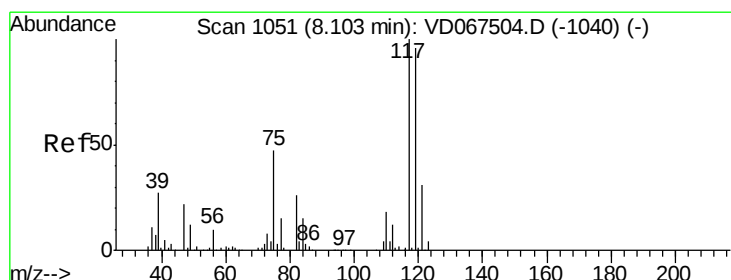
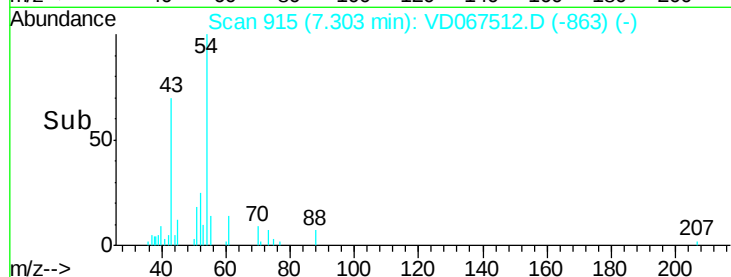
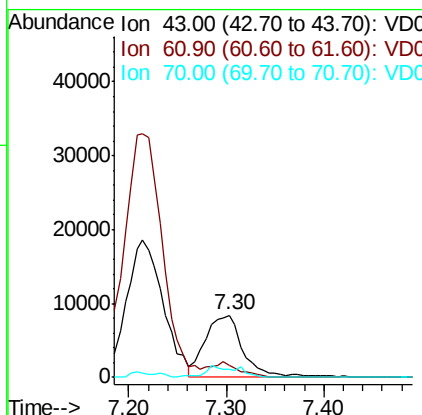
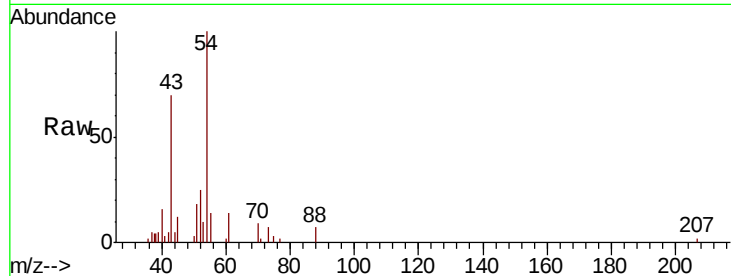
#37
Ethyl Acetate
Concen: 21.393 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	12.8	19.2
70	16.0	11.7	17.5

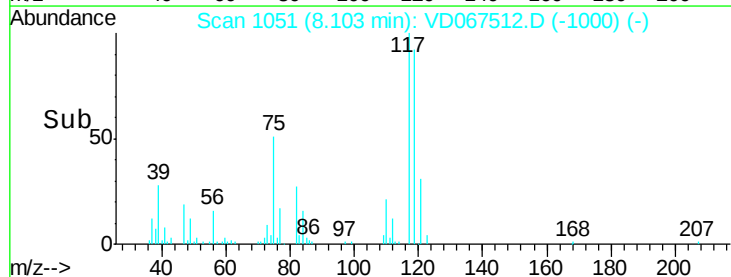
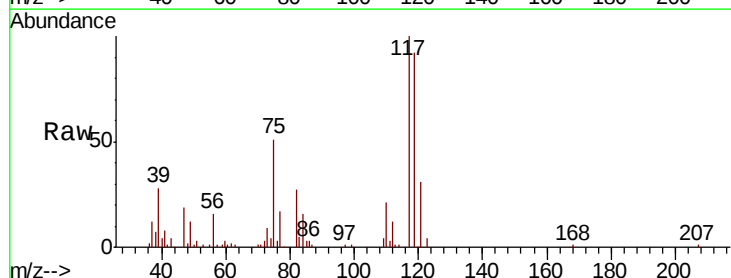
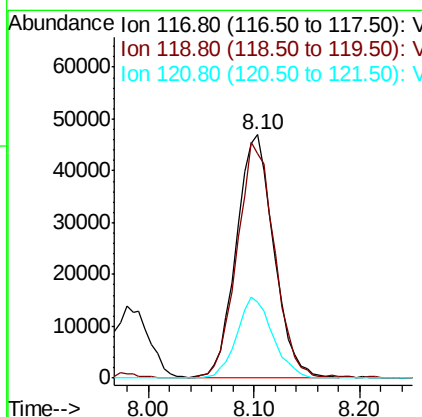
Manual Integrations
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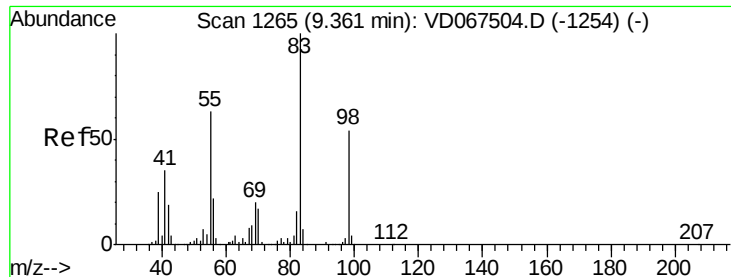
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#38
Carbon Tetrachloride
Concen: 21.658 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	76.9	115.3
121	31.1	24.5	36.7





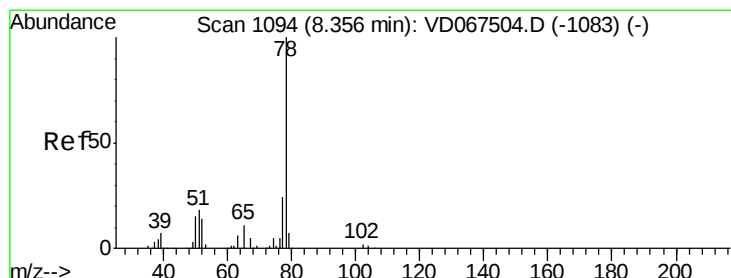
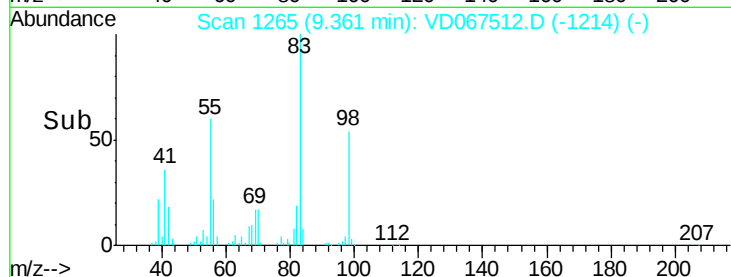
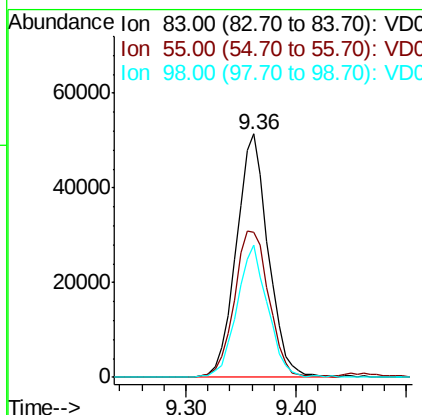
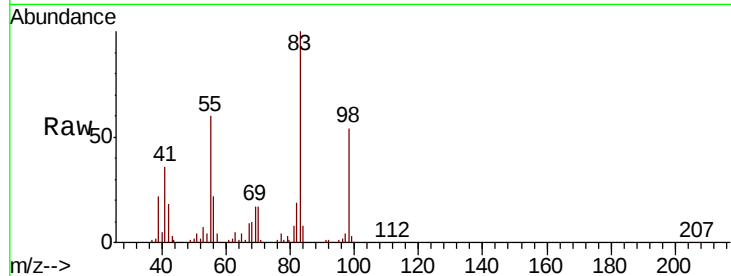
#39
Methvlcvclohexane
Concen: 21.744 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	59.5	50.5	75.7
98	54.2	43.4	65.0

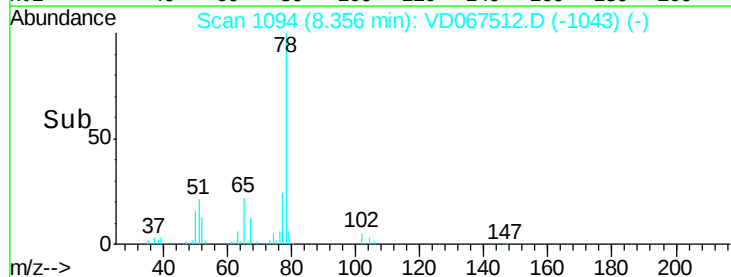
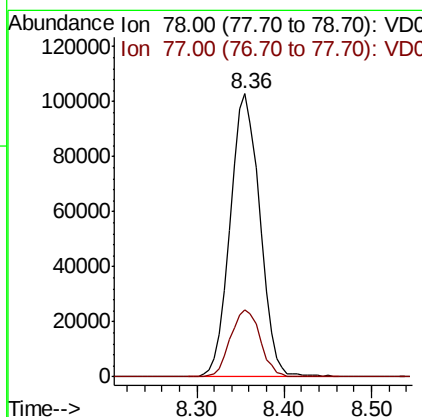
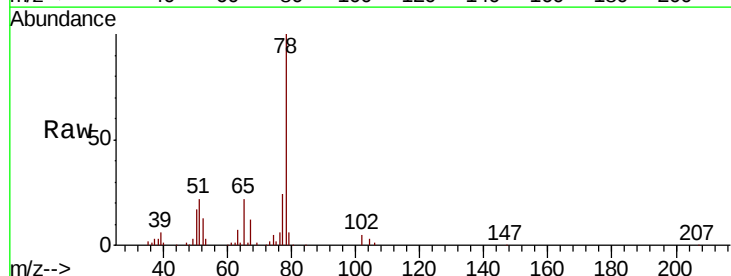
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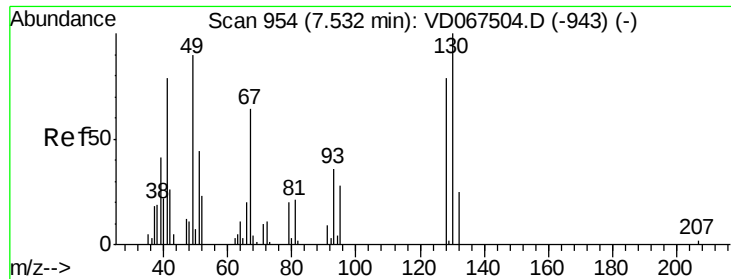
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#40
Benzene
Concen: 21.474 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





#41

Methacrylonitrile

Concen: 23.125 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

Tot Ion: 41 Resp: 14665

Ion Ratio Lower Upper

41 100

39 77.0 51.3 76.9#

67 82.6 78.9 118.3

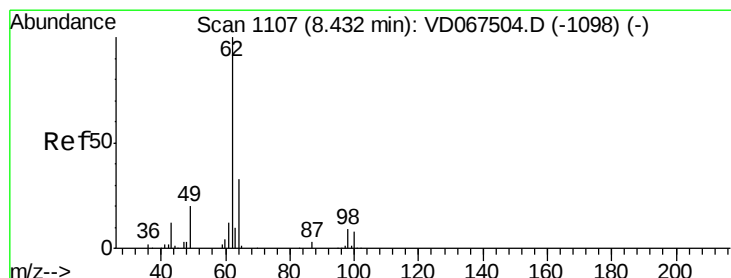
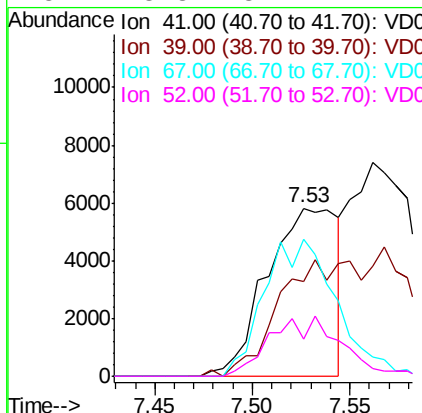
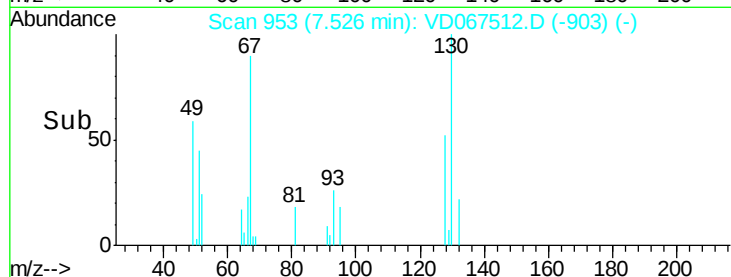
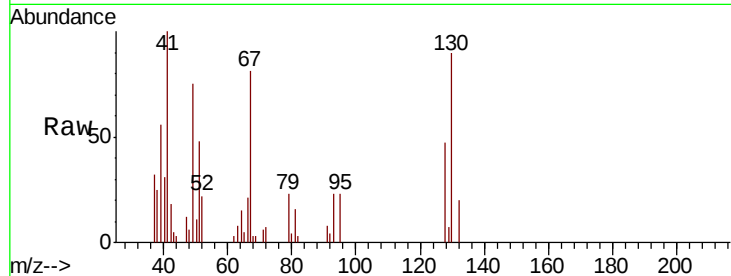
52 18.3 31.4 47.2#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 21.649 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067512.D

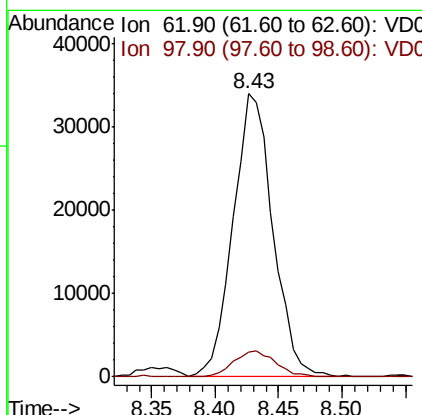
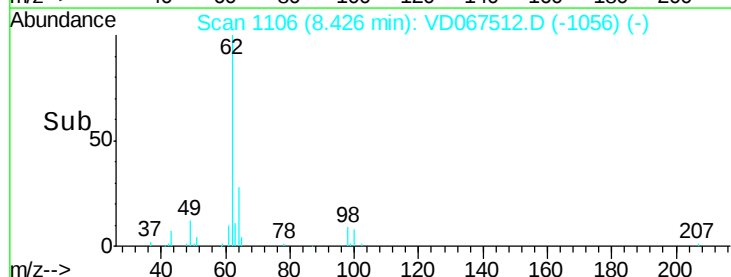
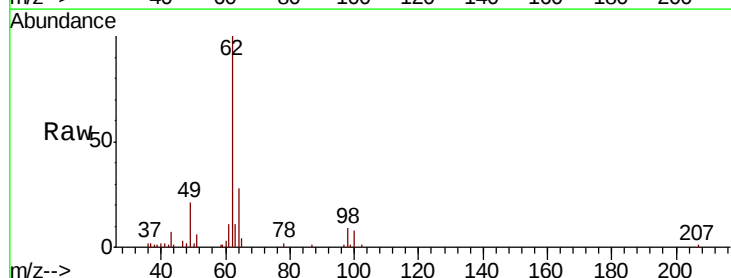
Acq: 04 Nov 2020 11:31

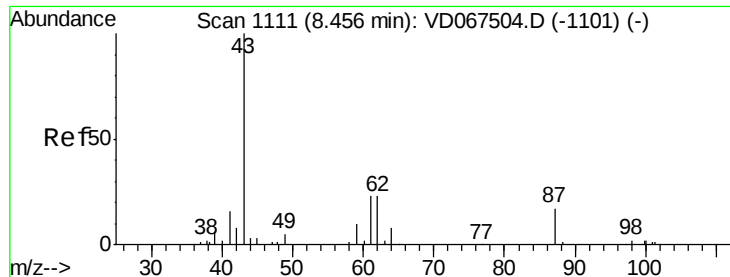
Tgt Ion: 62 Resp: 74040

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.8





#43

Isopropyl Acetate

Concen: 21.167 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

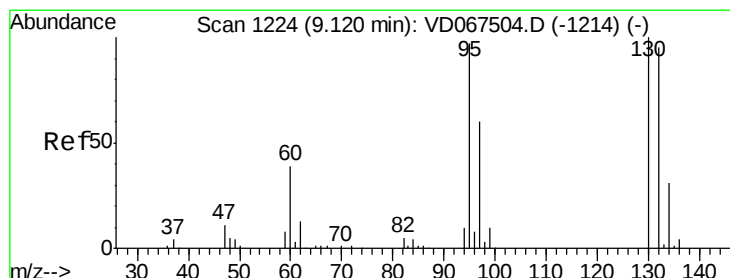
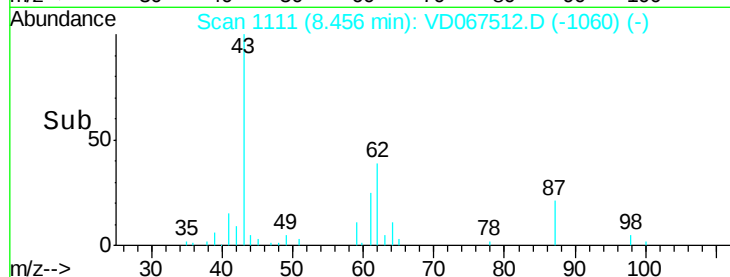
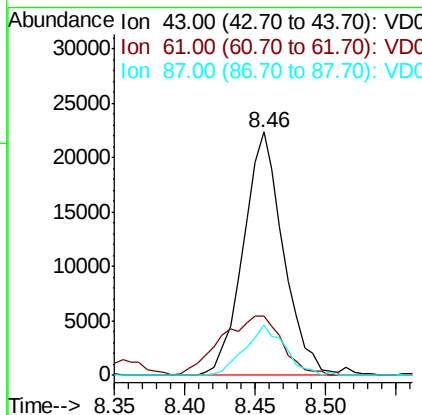
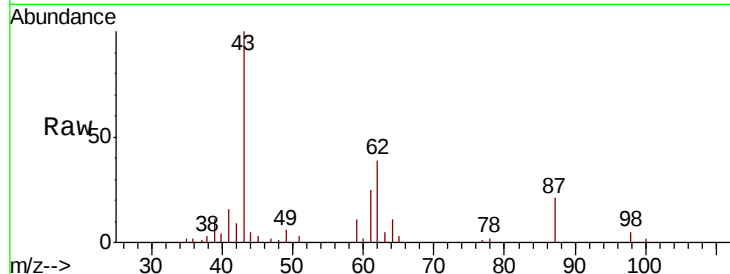
ClientSampleId :

VD1104SBS01

Tot Ion:	43	Resp:	44412
Ion	Ratio	Lower	Upper
43	100		
61	36.9	30.5	45.7
87	20.6	14.7	22.1

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#44

Trichloroethene

Concen: 21.029 ug/l

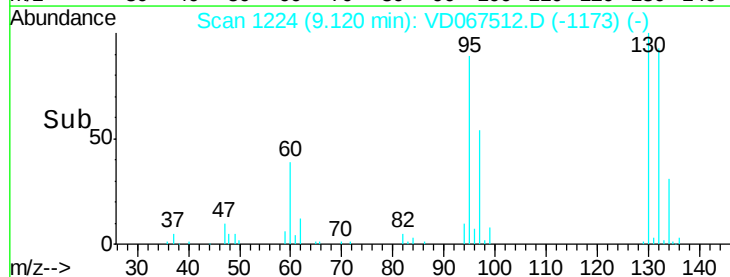
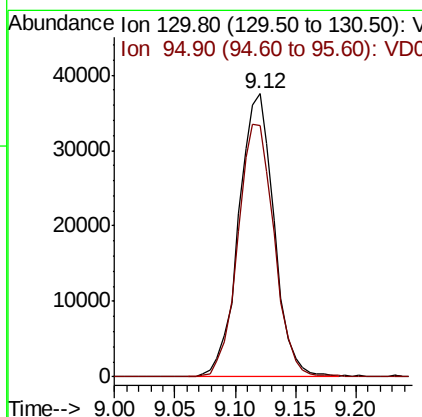
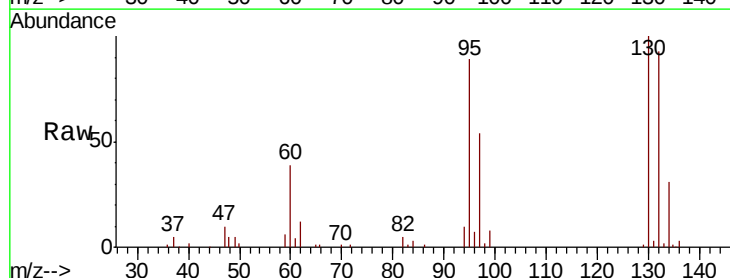
RT: 9.12 min Scan# 1224

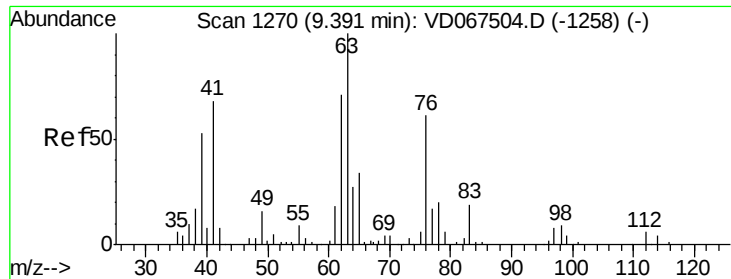
Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Tgt Ion:	130	Resp:	76537
Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	194.4





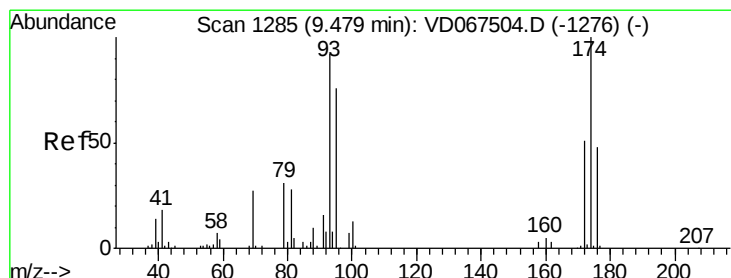
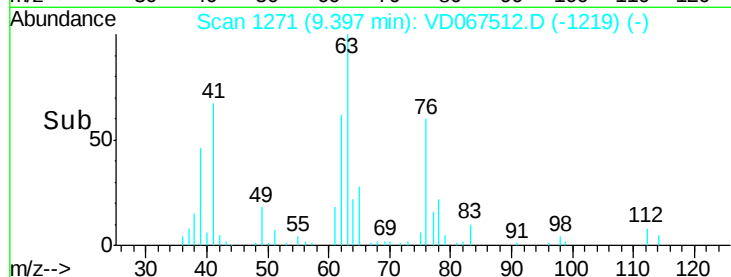
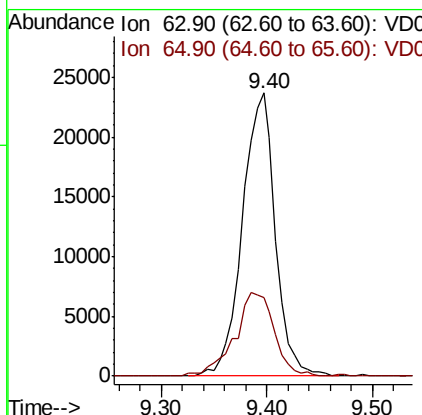
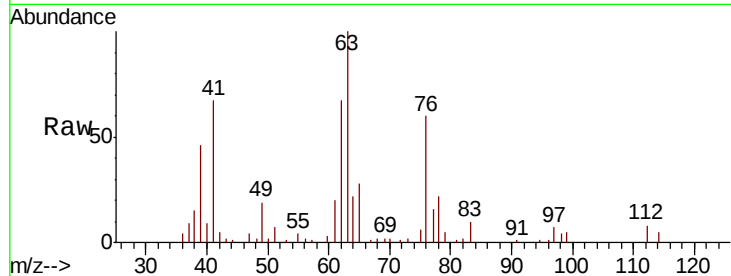
#45
 1,2-Dichloropropane
 Concen: 21.412 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Tot Ion: 63 Resp: 51244
 Ion Ratio Lower Upper
 63 100
 65 27.1 26.9 40.3

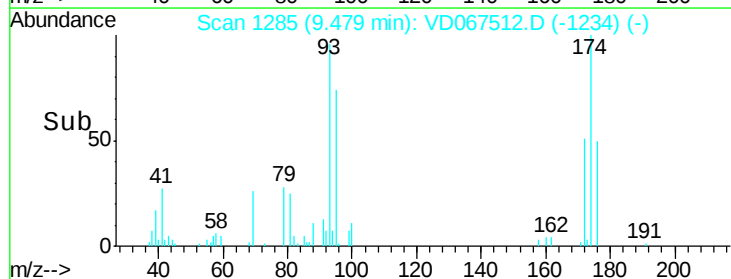
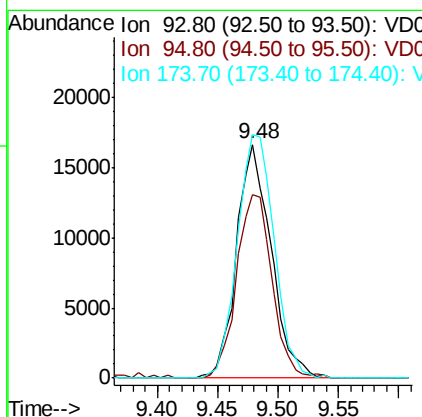
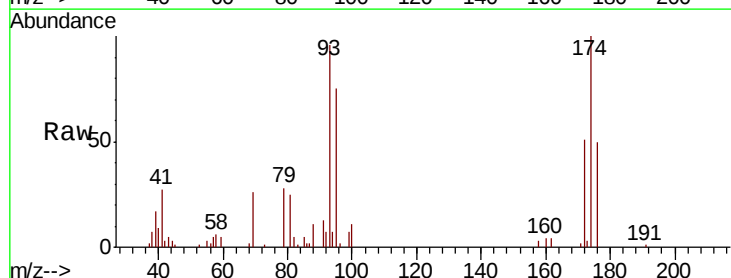
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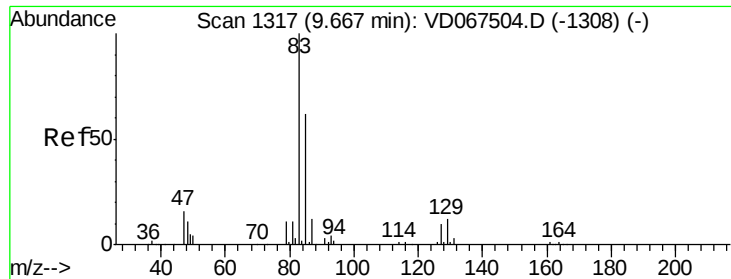
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 11/5/2020 7:01:09 PM



#46
 Dibromomethane
 Concen: 21.901 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Tgt Ion: 93 Resp: 33326
 Ion Ratio Lower Upper
 93 100
 95 80.2 66.4 99.6
 174 111.2 88.2 132.4





#47

Bromodichloromethane

Concen: 21.363 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

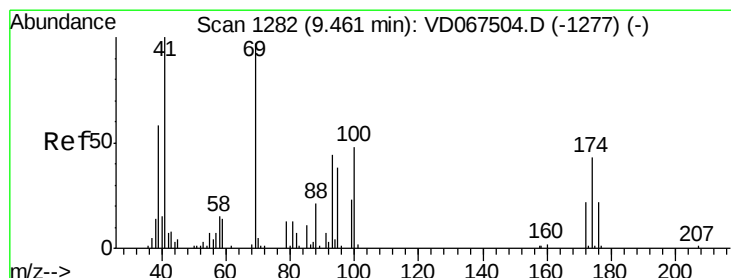
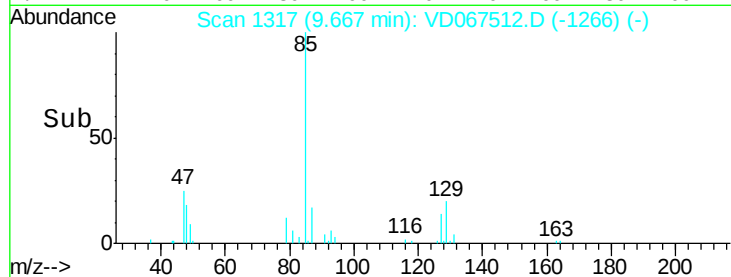
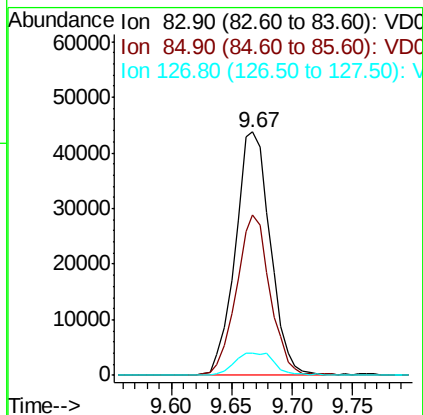
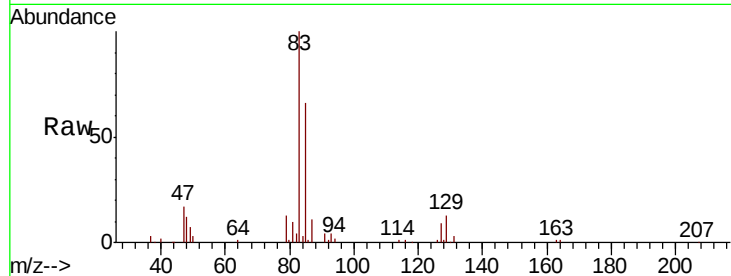
ClientSampleId :

VD1104SBSD01

Tot Ion:	83	Resp:	88355
Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.4	74.2
127	9.0	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.087 ug/l

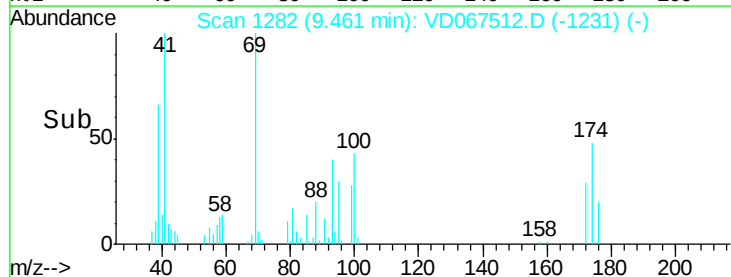
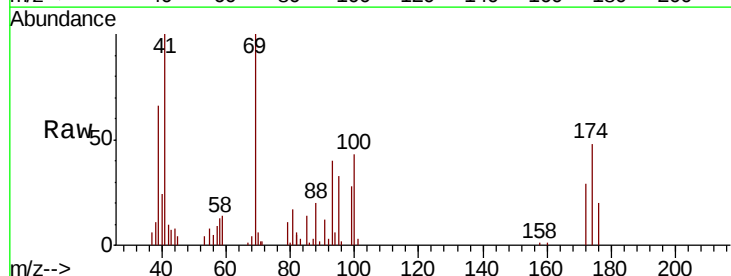
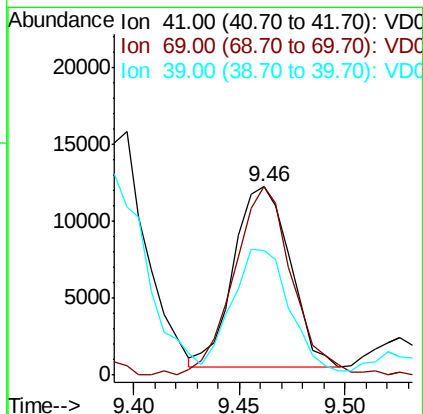
RT: 9.46 min Scan# 1282

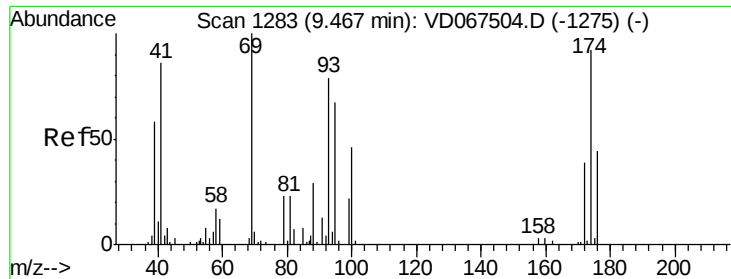
Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Tgt Ion:	41	Resp:	21761
Ion	Ratio	Lower	Upper
41	100		
69	108.1	80.6	121.0
39	68.2	50.2	75.4





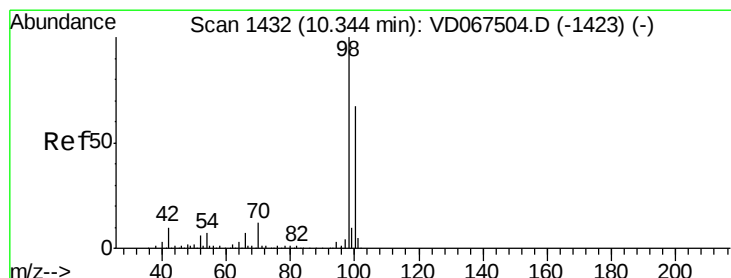
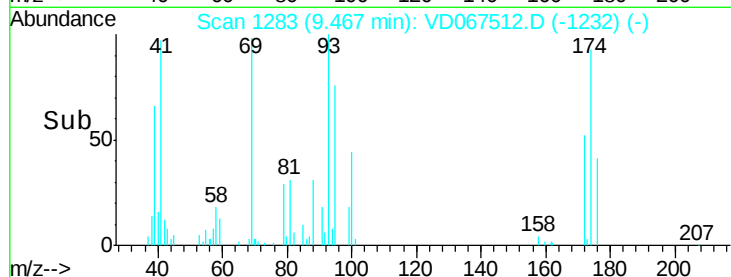
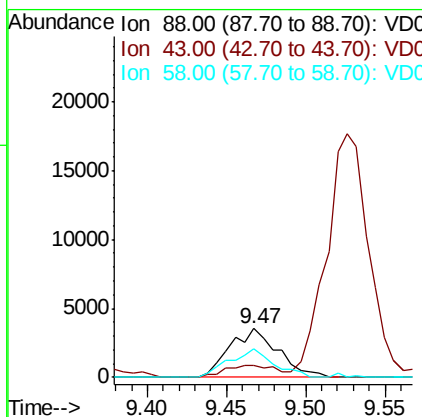
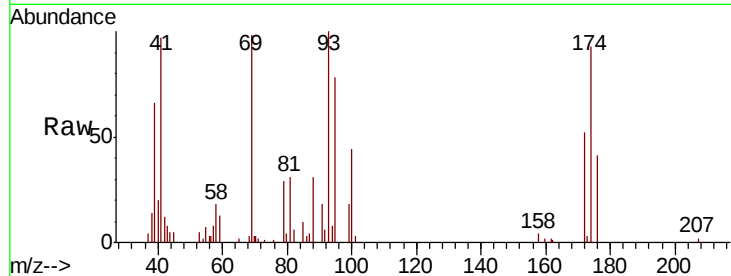
#49
1,4-Dioxane
Concen: 481.826 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	23.6	35.4
58	53.7	44.7	67.1

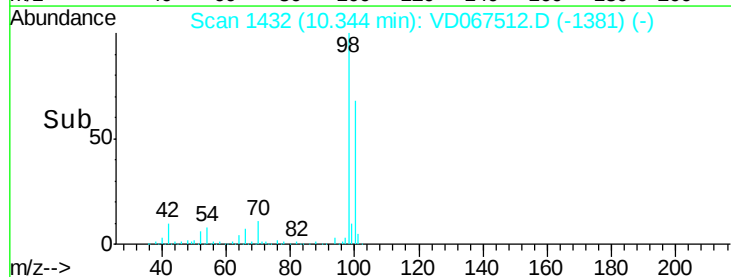
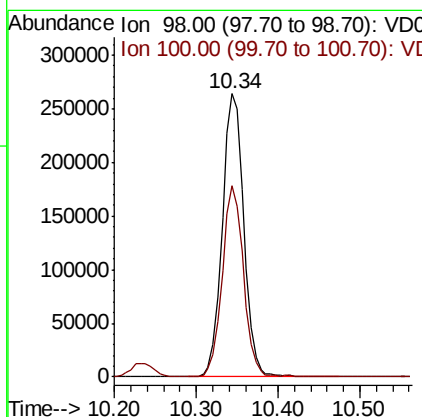
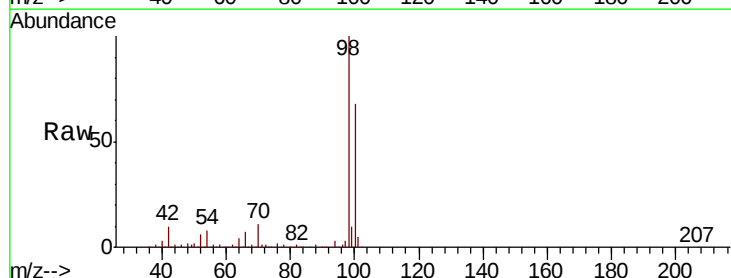
Manual Integrations
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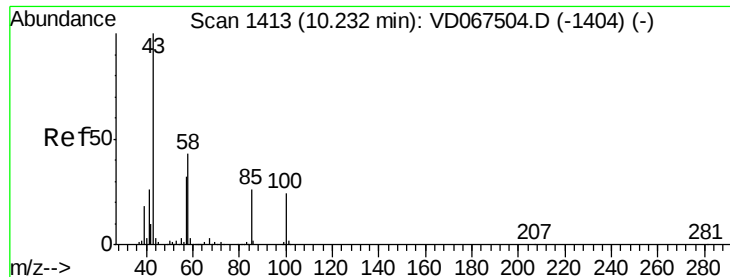
MMDadoda
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#50
Toluene-d8
Concen: 47.731 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 110.180 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

Tot Ion: 43 Resp: 110559

Ion Ratio Lower Upper

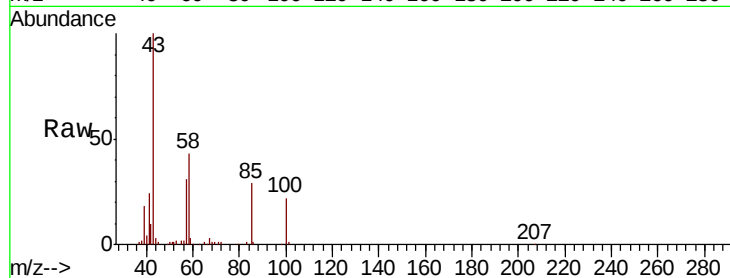
43 100

58 42.6 35.6 53.4

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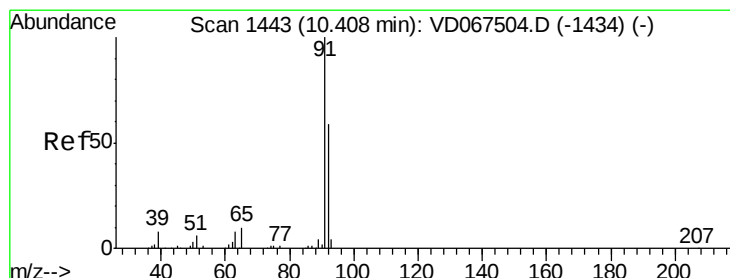
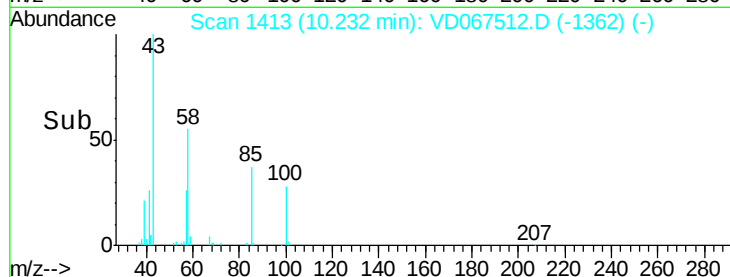
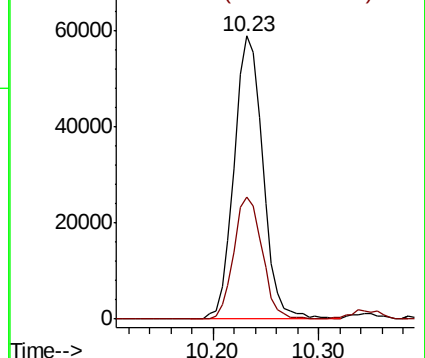
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.889 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067512.D

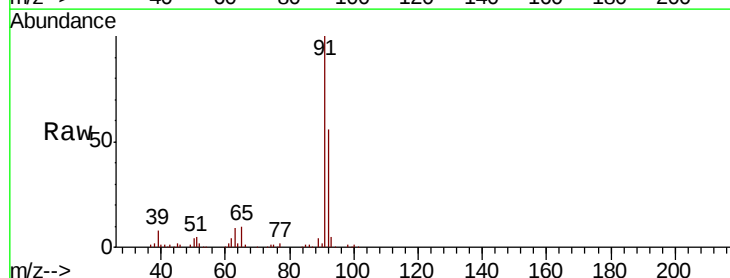
Acq: 04 Nov 2020 11:31

Tgt Ion: 92 Resp: 162284

Ion Ratio Lower Upper

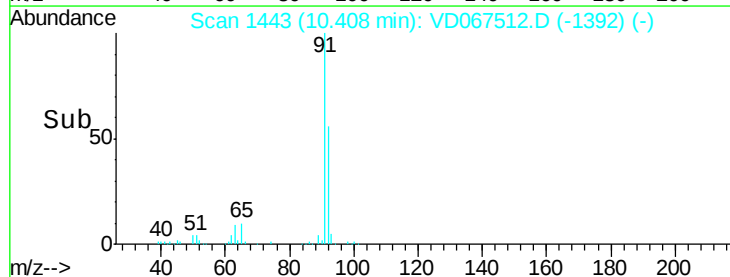
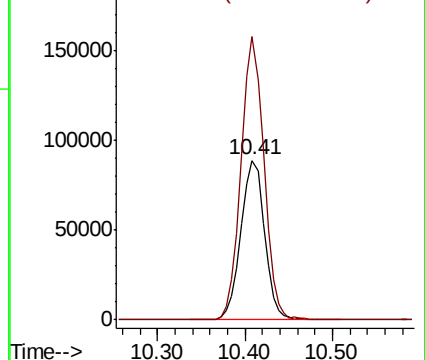
92 100

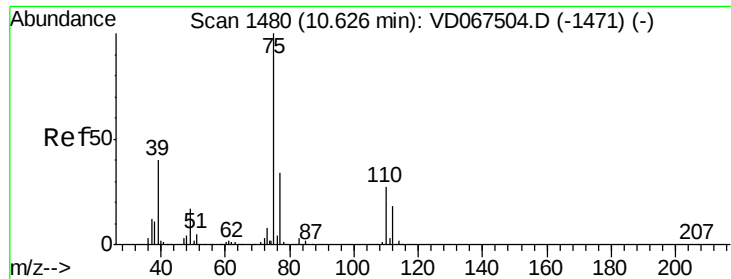
91 171.1 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





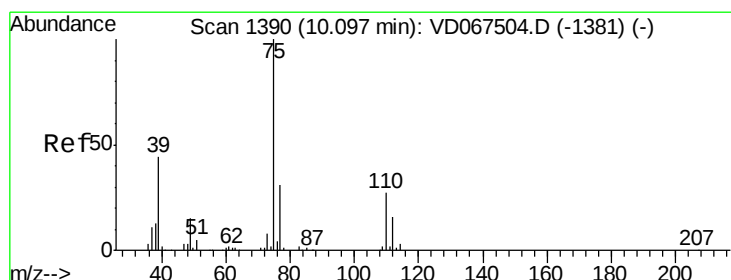
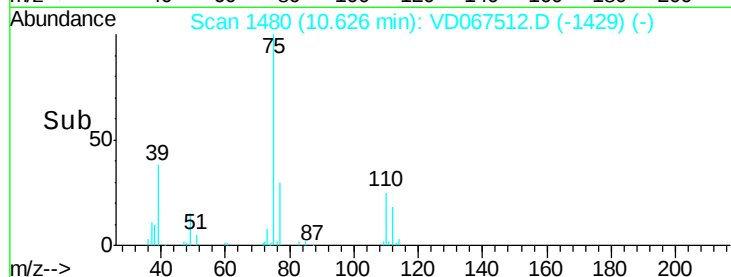
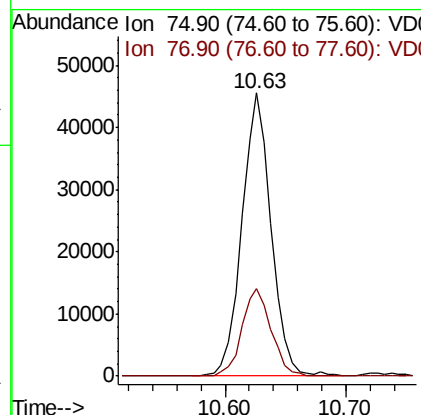
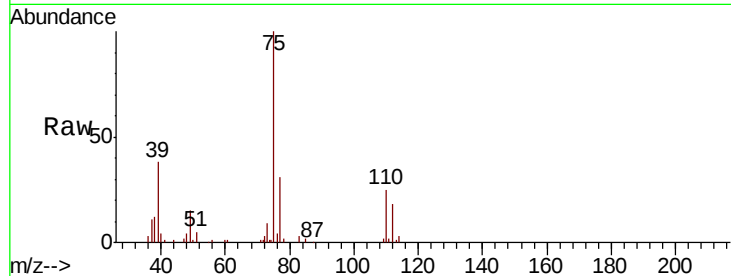
#53
t-1,3-Dichloropropene
Concen: 21.561 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	27.0	40.6

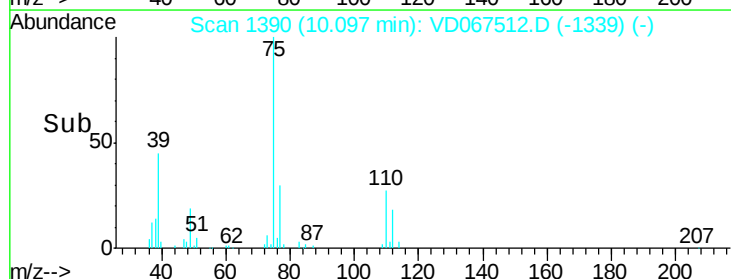
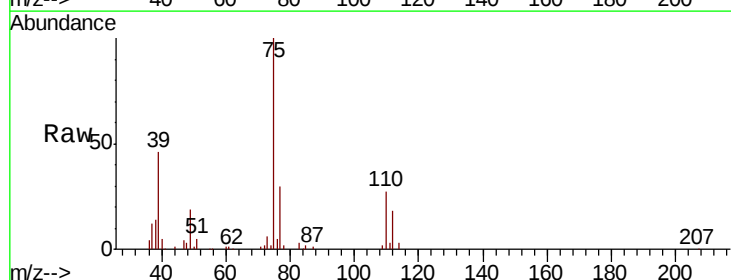
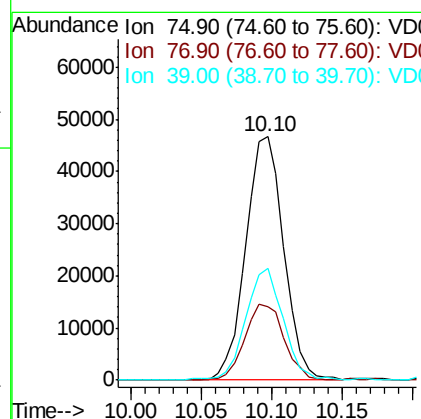
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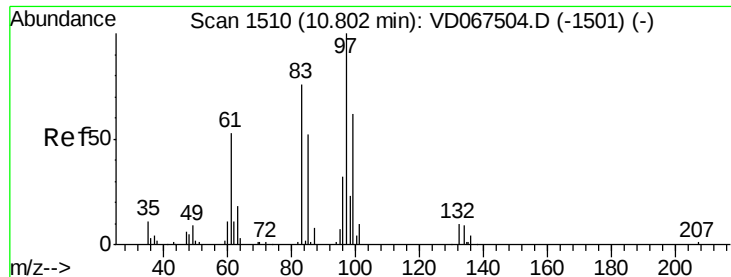
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#54
cis-1,3-Dichloropropene
Concen: 20.978 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.4	36.6
39	45.2	35.6	53.4





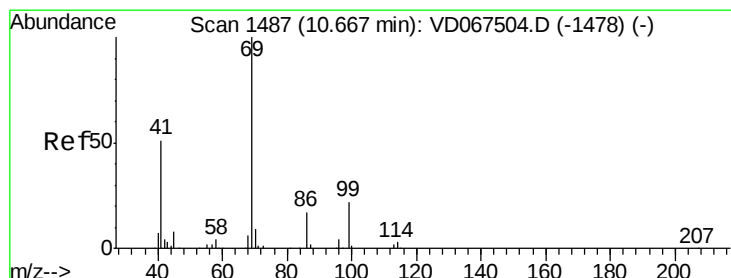
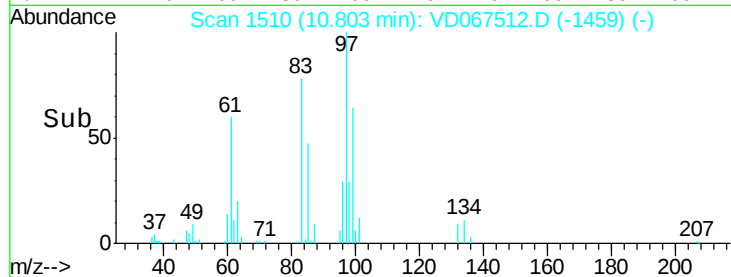
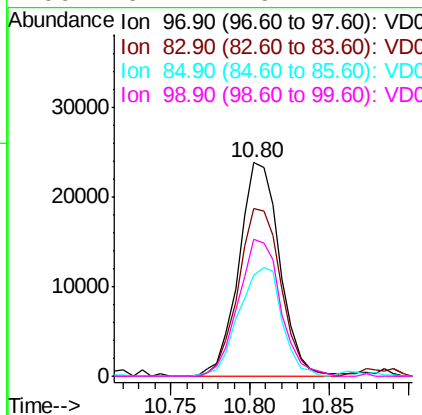
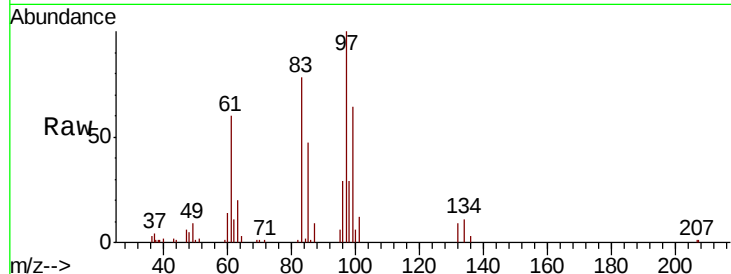
#55
 1,1,2-Trichloroethane
 Concen: 21.232 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBSD01

Tot Ion:	97	Resp:	42748
Ion	Ratio	Lower	Upper
97	100		
83	78.4	61.0	91.6
85	47.2	41.5	62.3
99	64.1	49.4	74.2

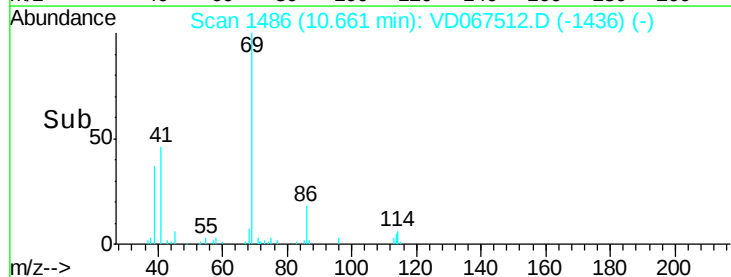
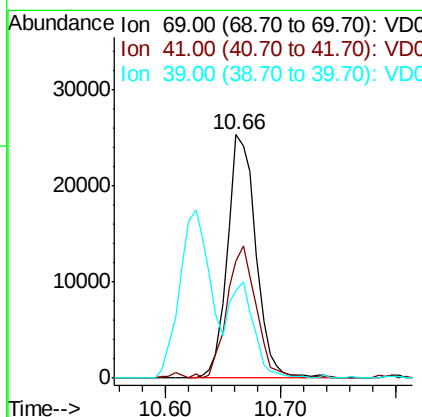
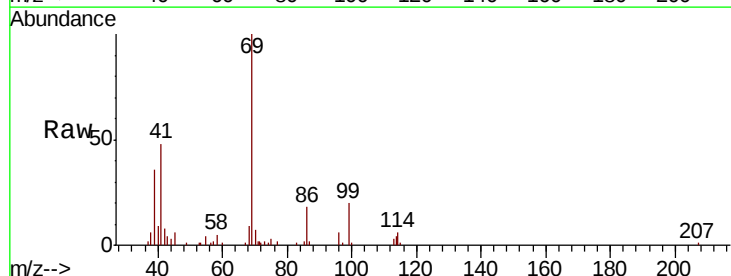
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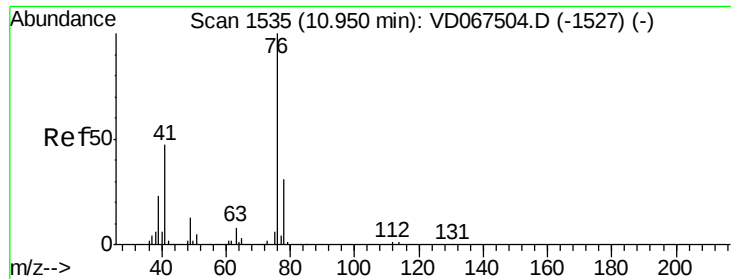
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#56
 Ethyl methacrylate
 Concen: 20.847 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Tgt Ion:	69	Resp:	43343
Ion	Ratio	Lower	Upper
69	100		
41	55.7	45.4	68.0
39	34.1	27.4	41.0





#57

1,3-Dichloropropane

Concen: 21.305 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBSD01

Tot Ion: 76 Resp: 69025

Ion Ratio Lower Upper

76 100

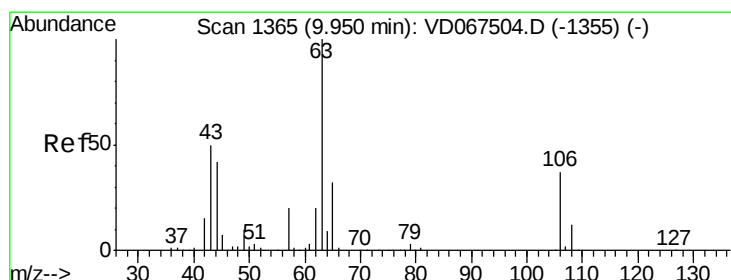
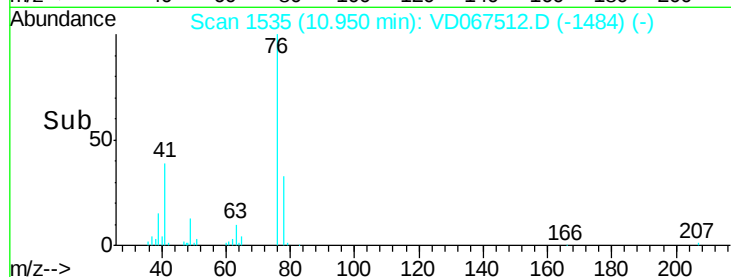
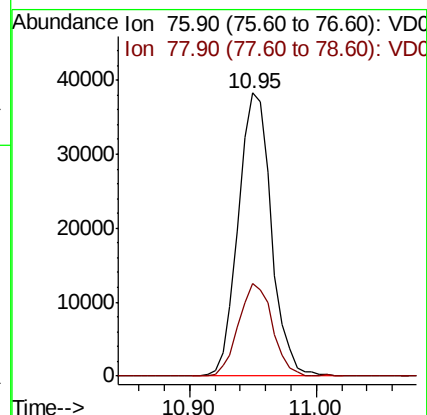
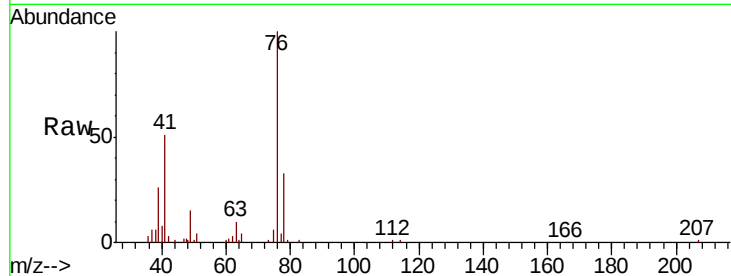
78 33.5 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 103.796 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD067512.D

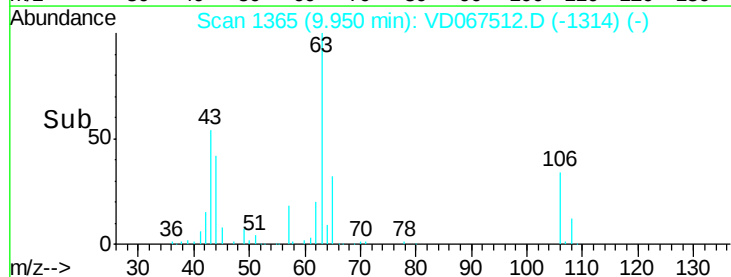
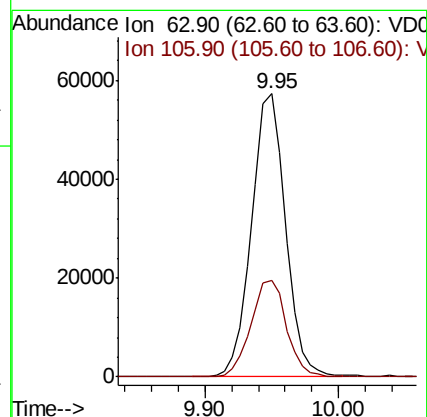
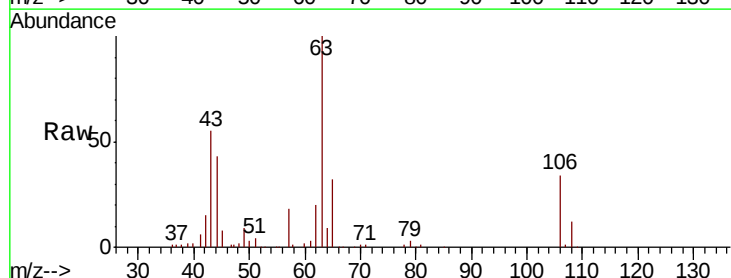
Acq: 04 Nov 2020 11:31

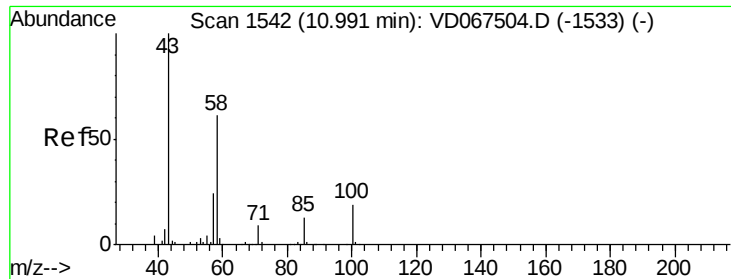
Tgt Ion: 63 Resp: 100636

Ion Ratio Lower Upper

63 100

106 35.5 29.2 43.8





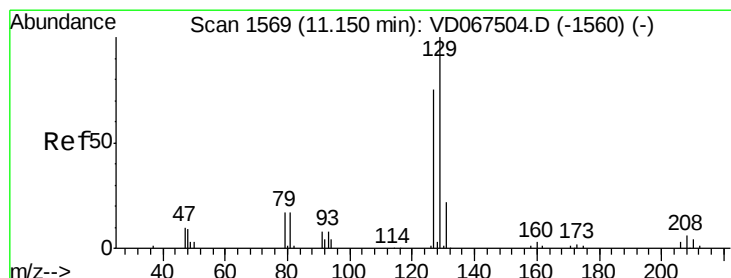
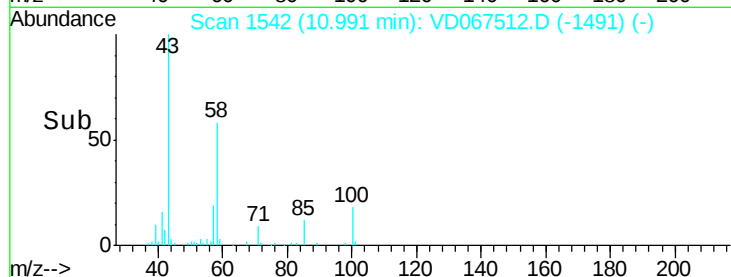
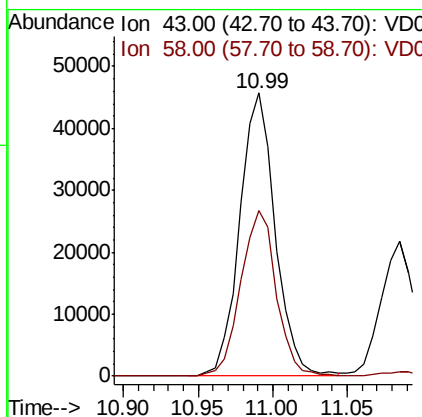
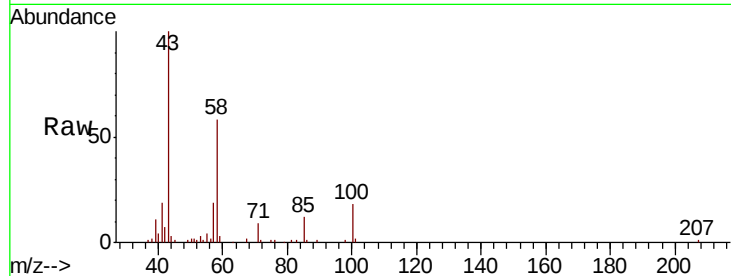
#59
2-Hexanone
Concen: 107.093 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion: 43 Resp: 75137
Ion Ratio Lower Upper
43 100
58 58.7 30.3 90.9

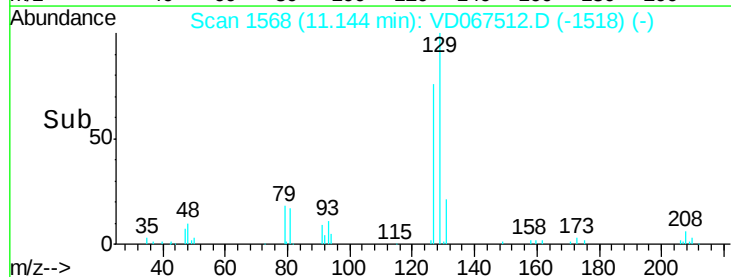
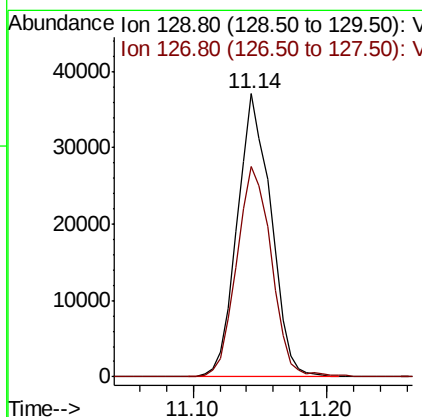
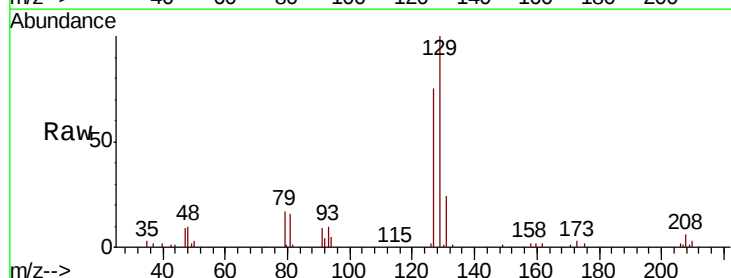
Manual Integrations
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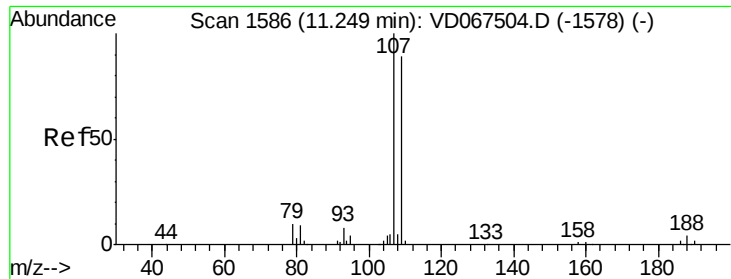
MMDadoda
11/5/2020 7:01:09 PM



#60
Dibromochloromethane
Concen: 21.772 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion: 129 Resp: 64843
Ion Ratio Lower Upper
129 100
127 76.7 38.0 114.1





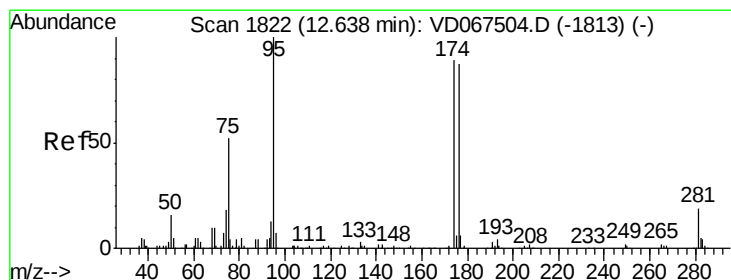
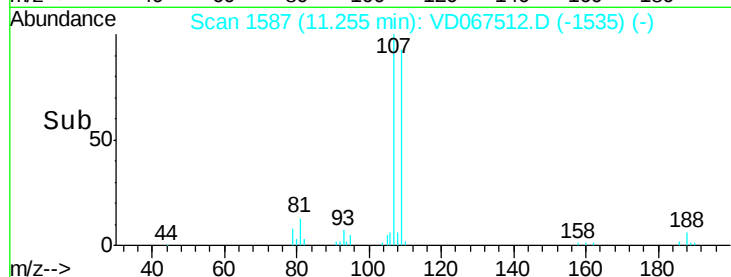
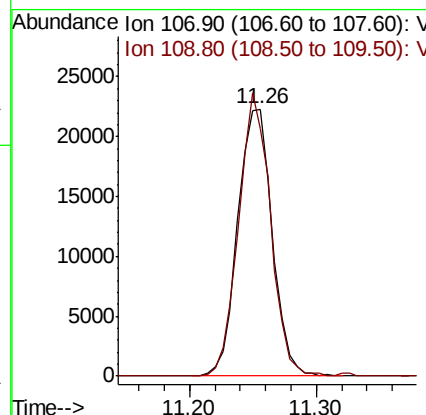
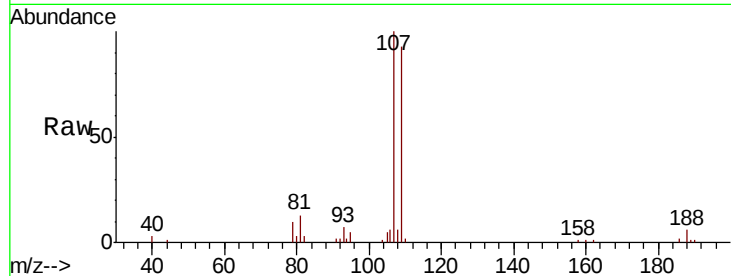
#61
1,2-Dibromoethane
Concen: 20.741 ug/l
RT: 11.26 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.0	74.6	111.8

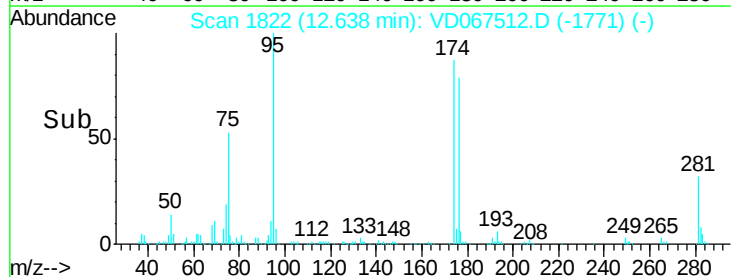
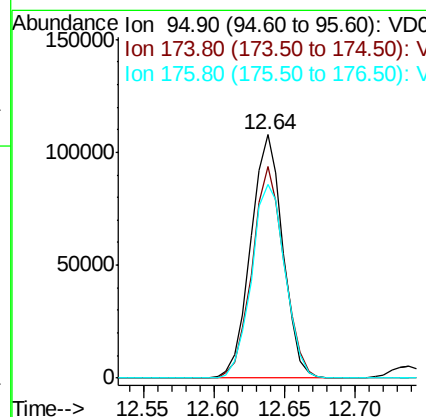
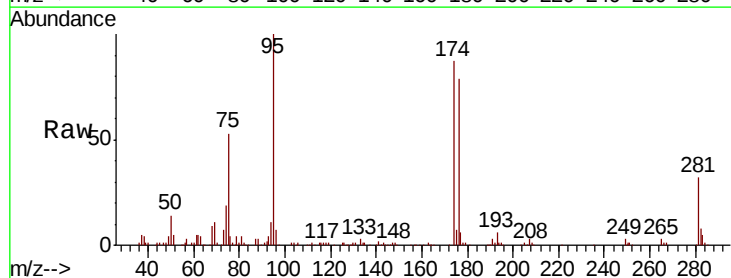
Manual Integrations
APPROVED

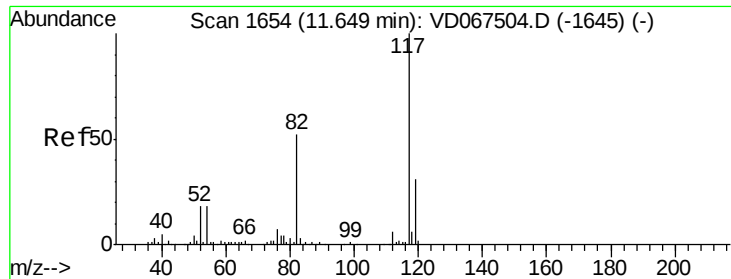
MMDadoda
11/5/2020 7:01:09 PM



#62
4-Bromofluorobenzene
Concen: 49.459 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	177.8
176	83.3	0.0	172.0





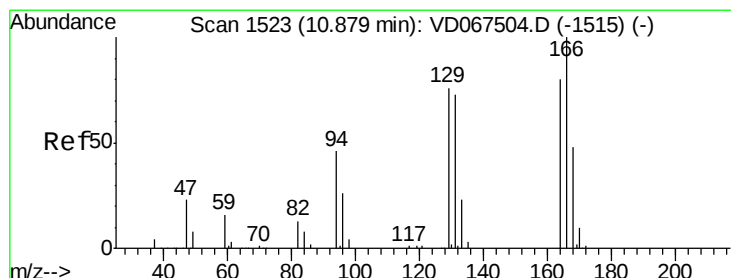
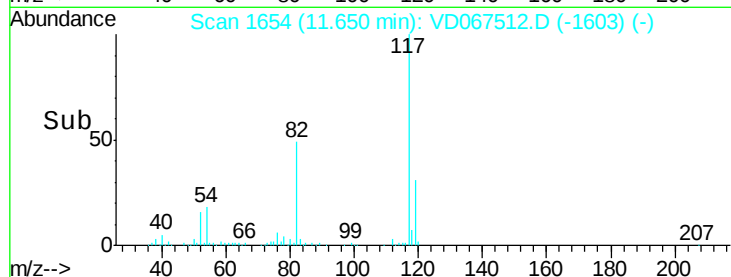
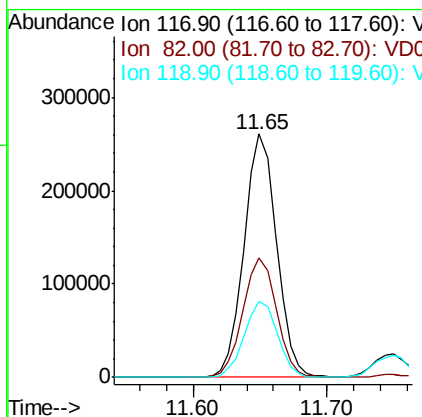
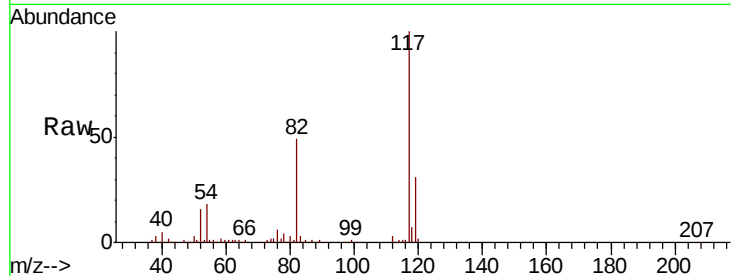
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.0	41.6	62.4
119	31.1	25.1	37.7

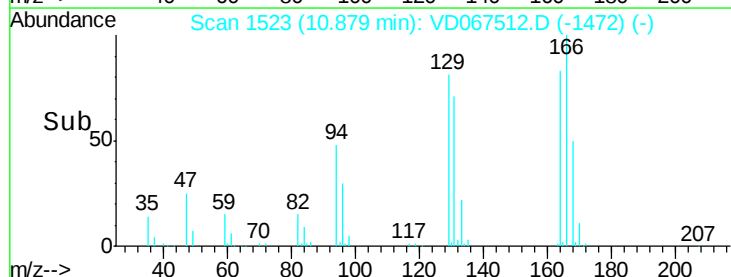
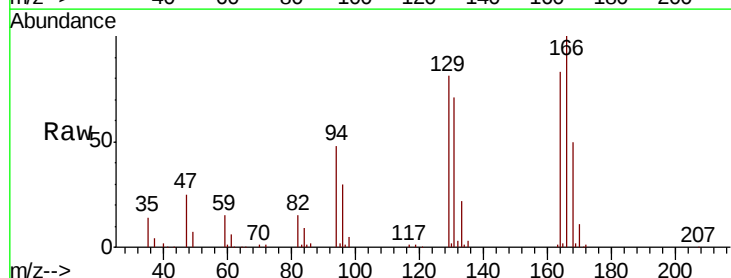
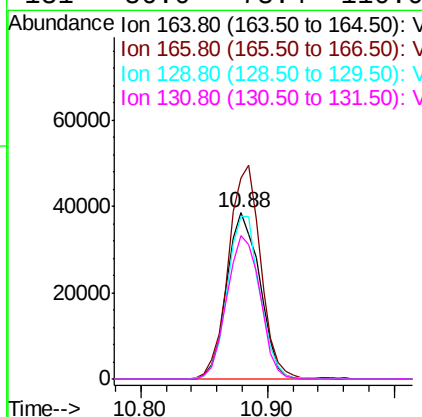
Manual Integrations
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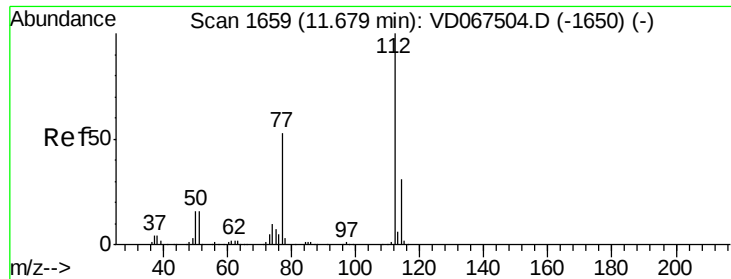
MMDadoda
11/5/2020 7:01:09 PM



#64
Tetrachloroethene
Concen: 21.465 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.7	99.9	149.9
129	97.4	75.5	113.3
131	86.0	73.4	110.0





#65

Chlorobenzene

Concen: 20.731 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBSD01

Tot Ion:112 Resp: 175384

Ion Ratio Lower Upper

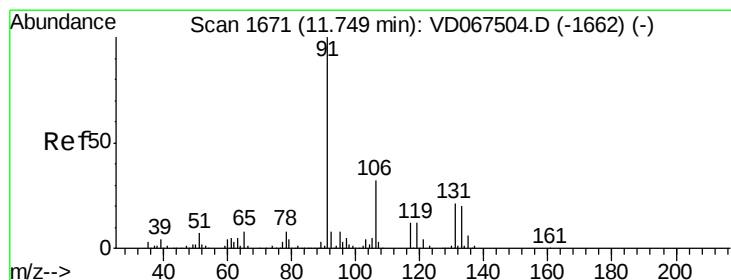
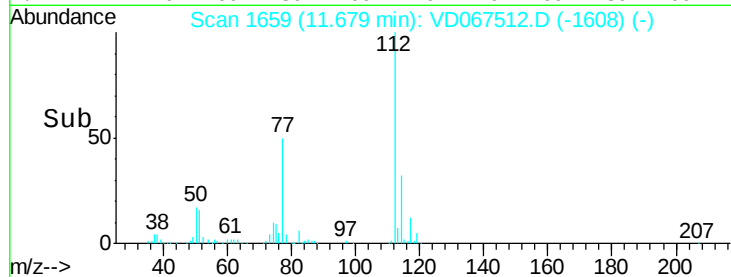
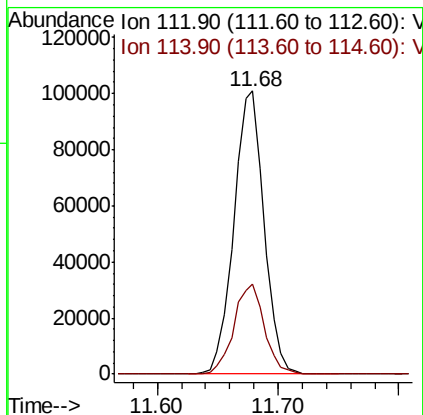
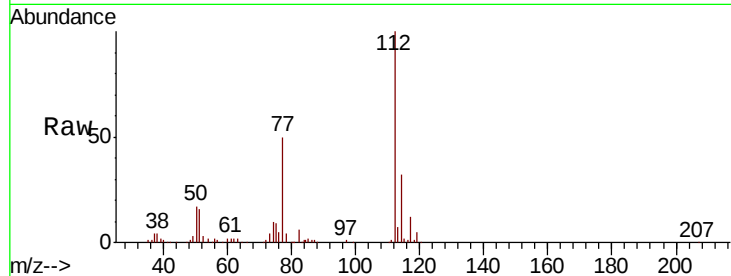
112 100

114 31.9 24.9 37.3

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.527 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

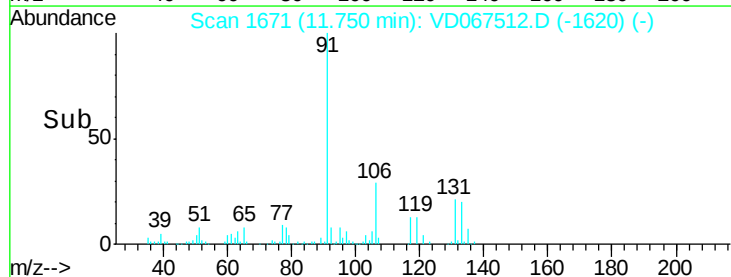
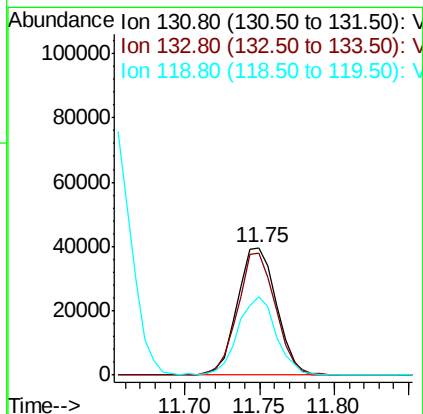
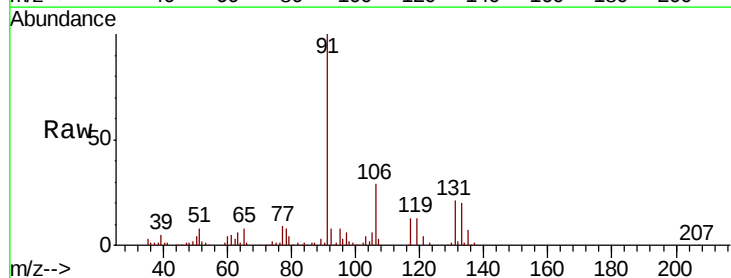
Tgt Ion:131 Resp: 71778

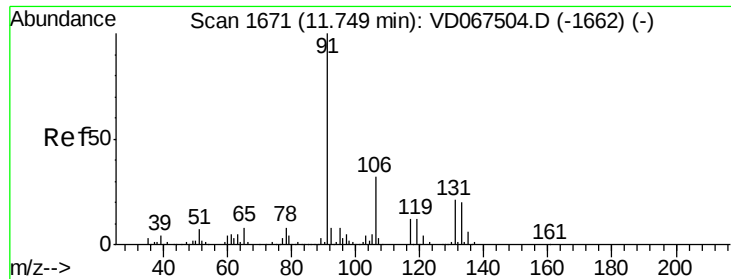
Ion Ratio Lower Upper

131 100

133 93.6 48.0 144.0

119 59.9 30.1 90.5





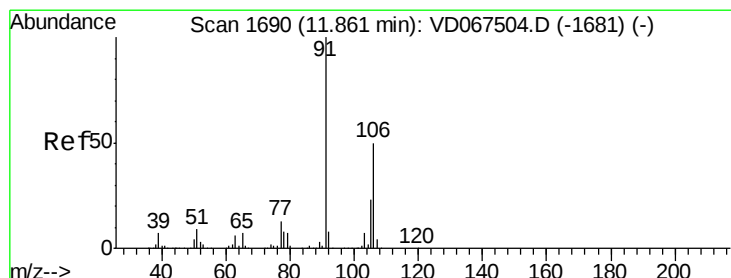
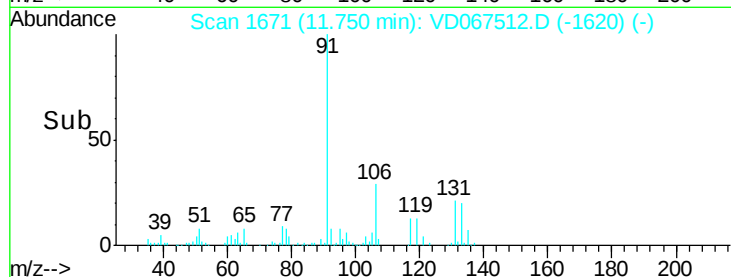
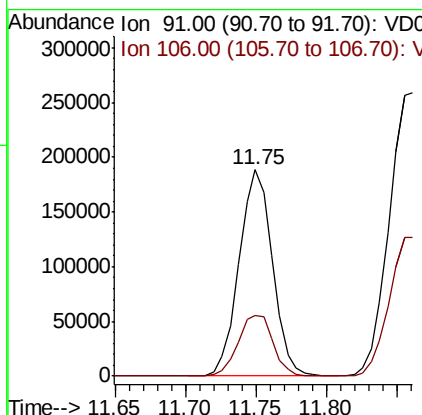
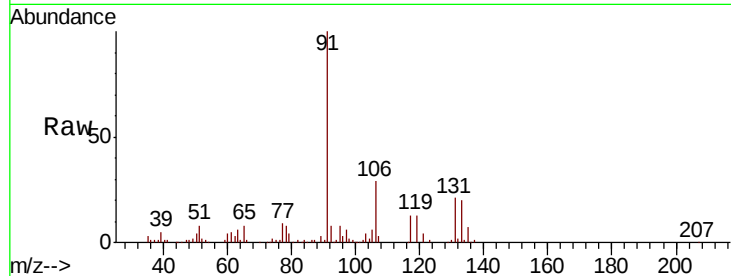
#67
Ethyl Benzene
Concen: 21.539 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	25.7	38.5

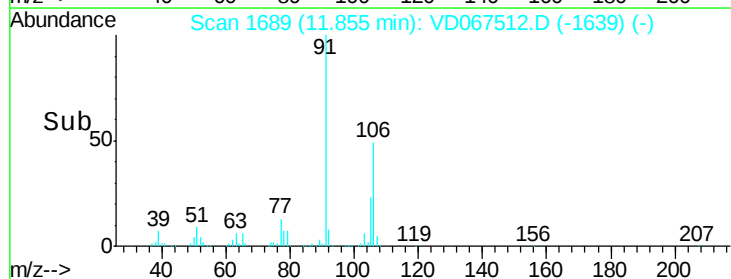
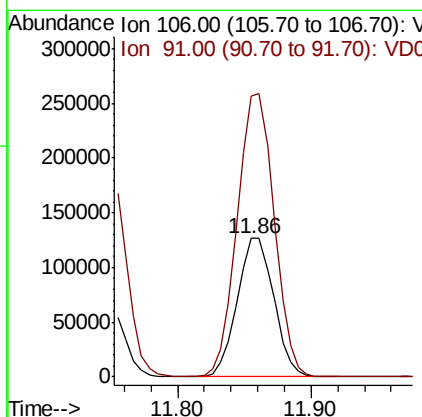
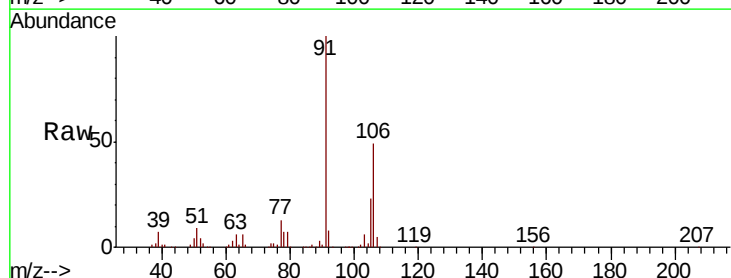
Manual Integrations
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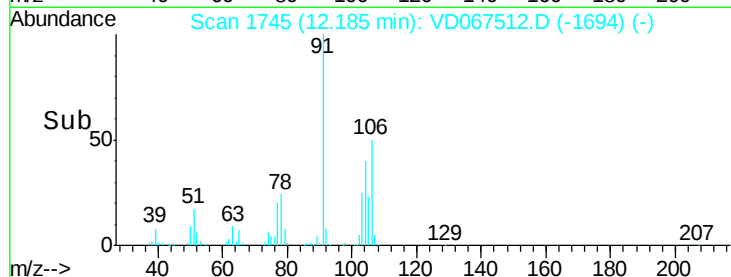
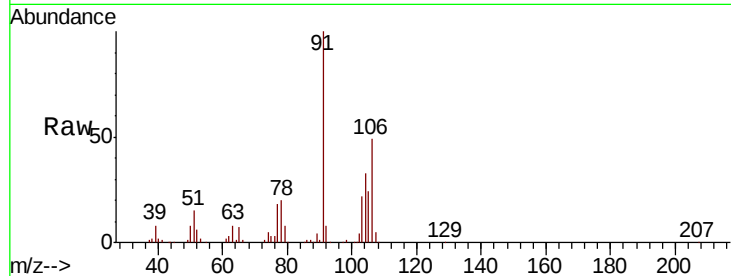
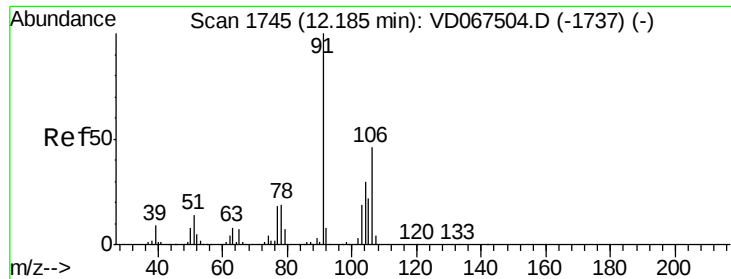
MMDadoda
11/5/2020 7:01:09 PM



#68
m/p-Xylenes
Concen: 42.918 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.8	162.6	244.0





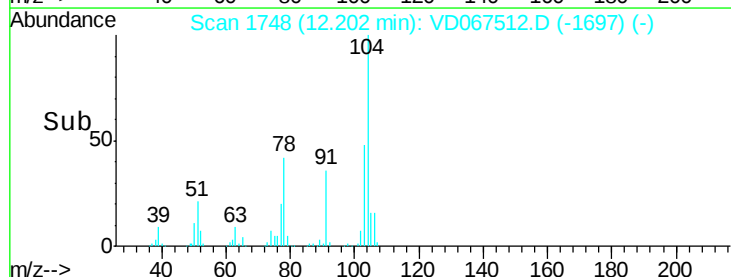
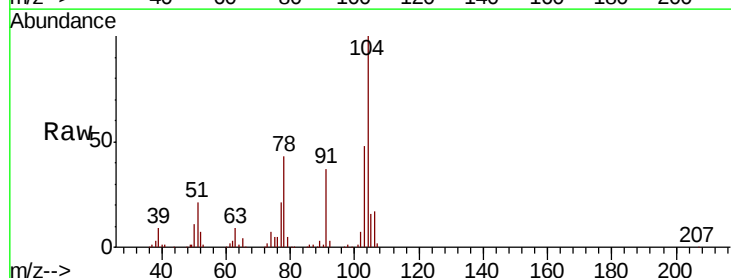
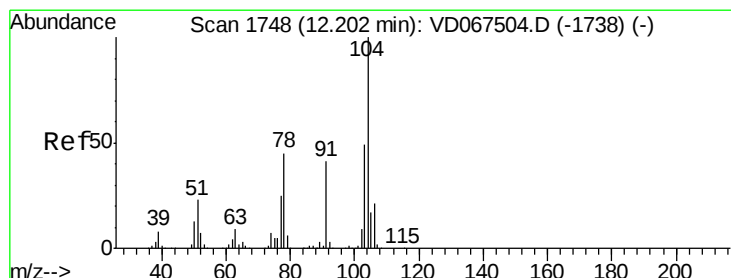
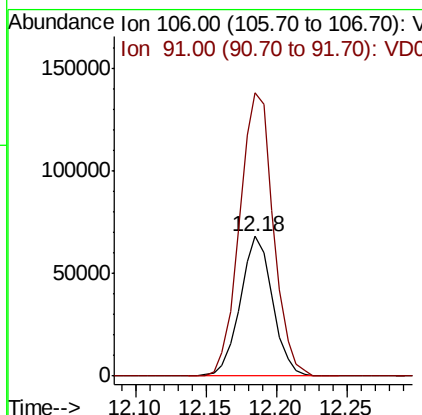
#69
o-Xylene
Concen: 21.747 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tot Ion:106 Resp: 109353
Ion Ratio Lower Upper
106 100
91 211.1 107.1 321.1

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

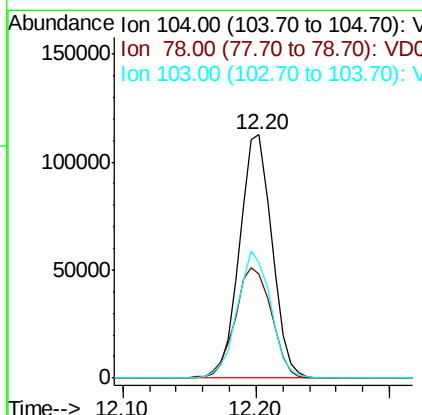
Manual Integrations
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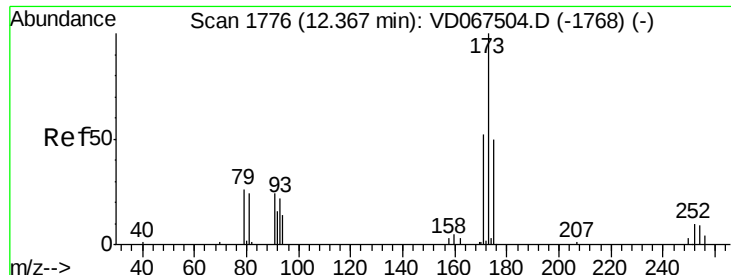
MMDadoda
11/5/2020 7:01:09 PM



#70
Styrene
Concen: 21.573 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion:104 Resp: 189022
Ion Ratio Lower Upper
104 100
78 51.4 39.8 59.8
103 54.1 43.9 65.9





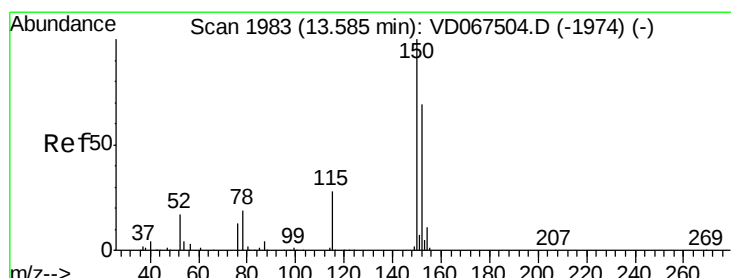
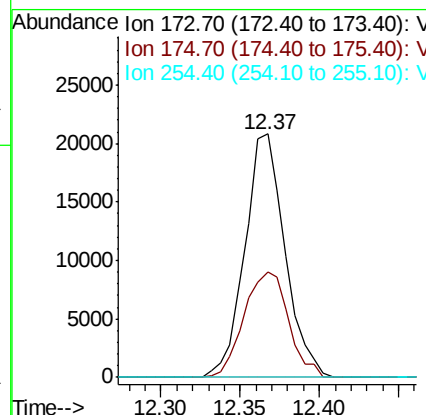
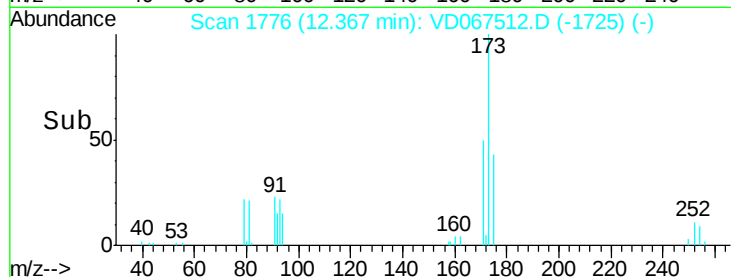
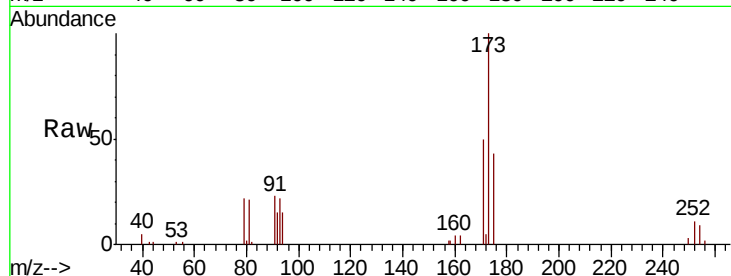
#71
Bromoform
Concen: 21.507 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.2
254	0.0	0.0	0.0

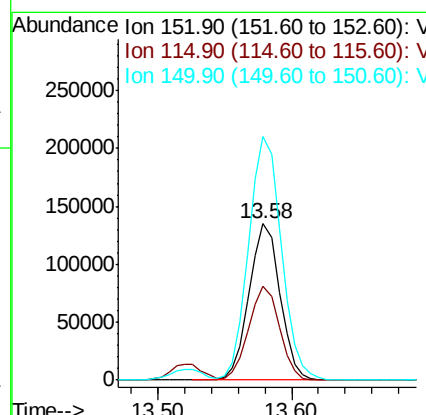
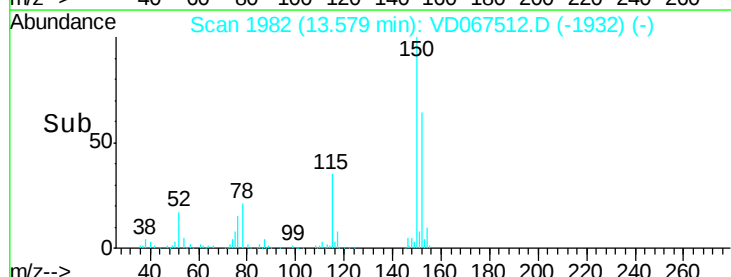
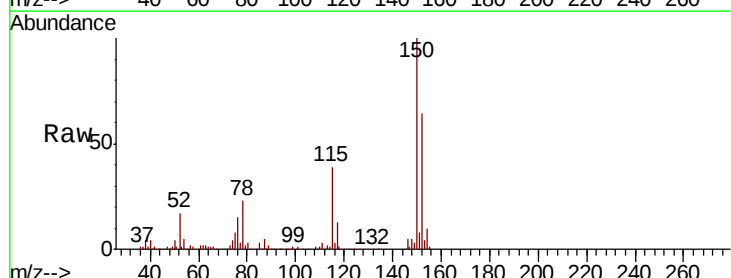
Manual Integrations
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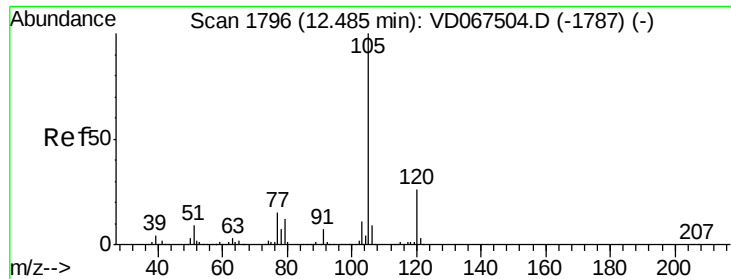
MMDadoda
11/5/2020 7:01:09 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.3	88.0
150	165.0	0.0	338.2





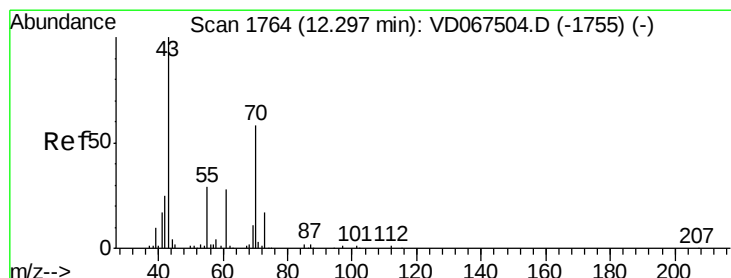
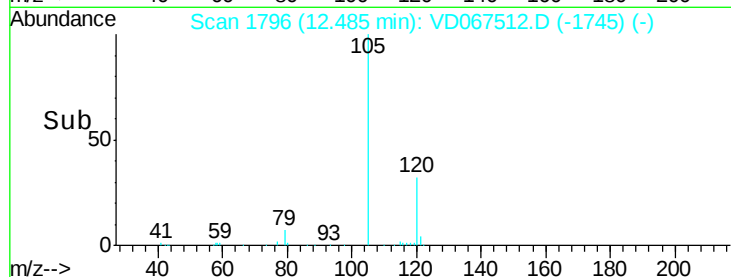
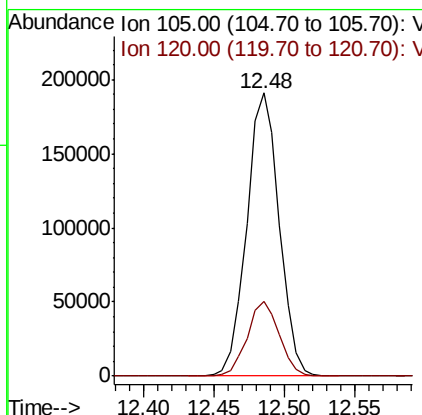
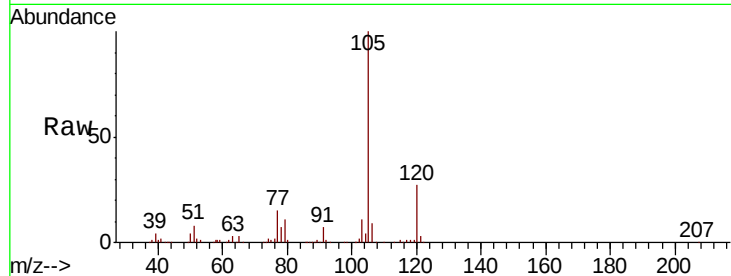
#73
Isopropylbenzene
Concen: 22.115 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.6

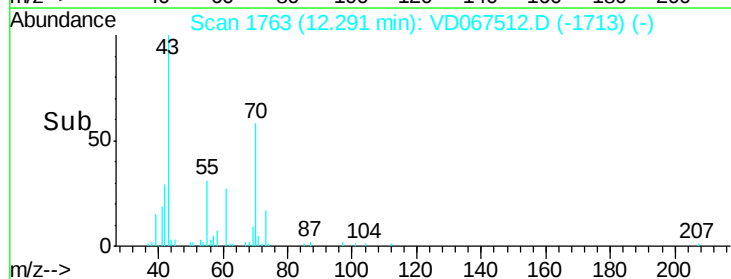
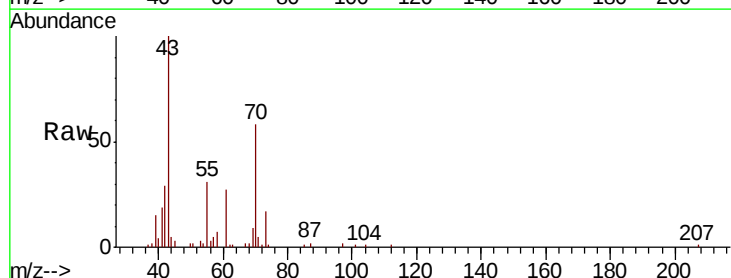
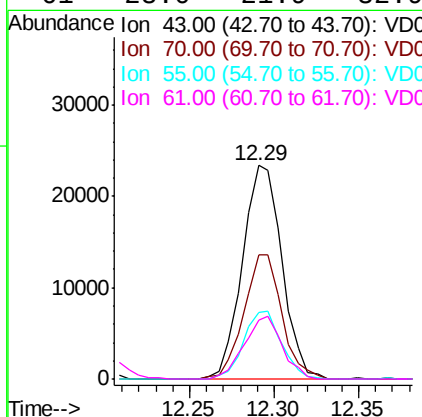
Manual Integrations
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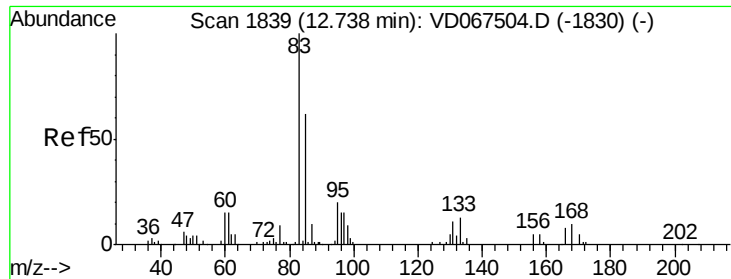
MMDadoda
11/5/2020 7:01:09 PM



#74
N-ethyl acetate
Concen: 20.718 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	56.1	42.6	64.0
55	30.6	23.7	35.5
61	28.0	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.474 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

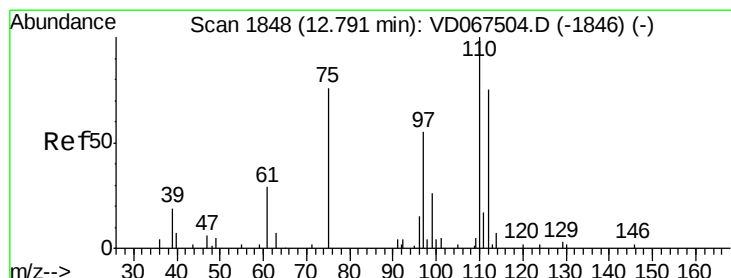
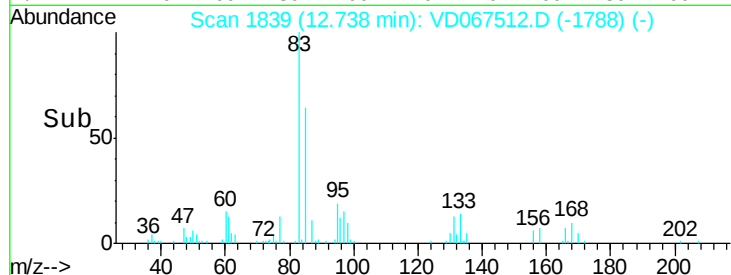
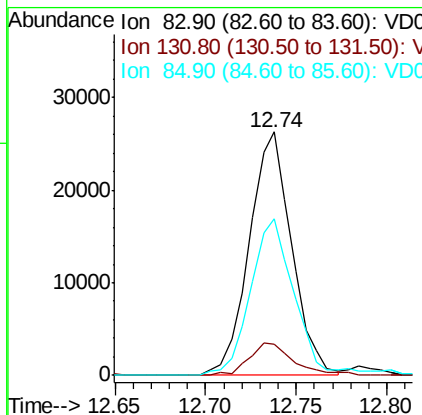
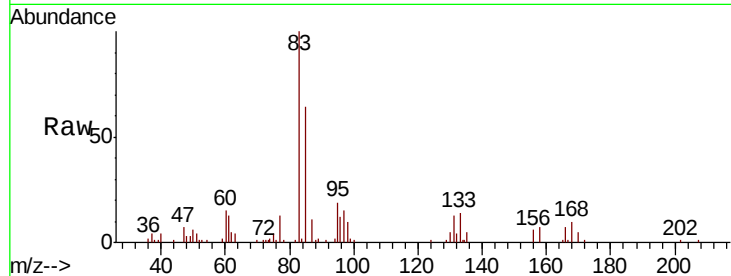
ClientSampleId :

VD1104SBS01

Tot Ion:	83	Resp:	42730
Ion Ratio	Lower	Upper	
83	100		
131	14.1	7.1	21.3
85	66.4	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.790 ug/l m

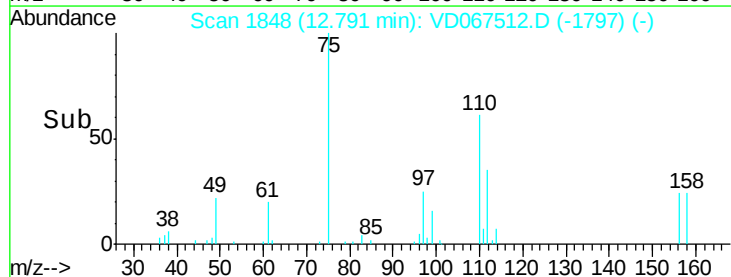
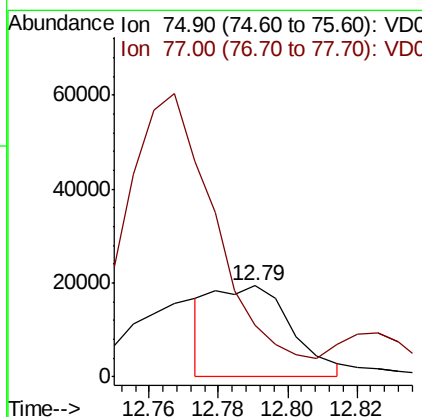
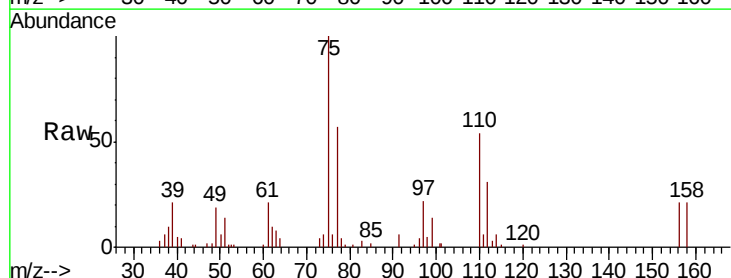
RT: 12.79 min Scan# 1848

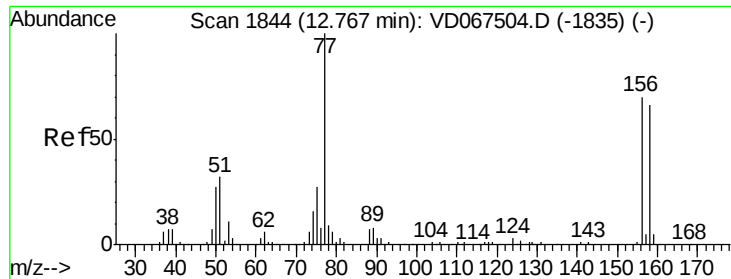
Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Tgt Ion:	75	Resp:	30963
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.218 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

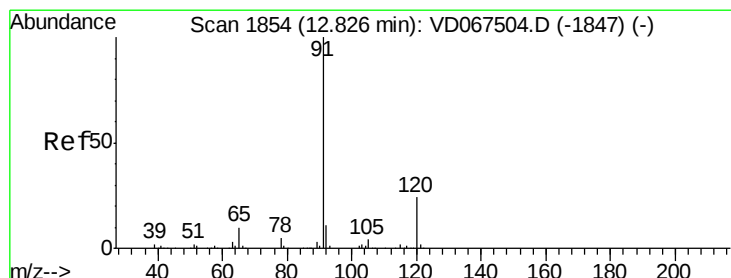
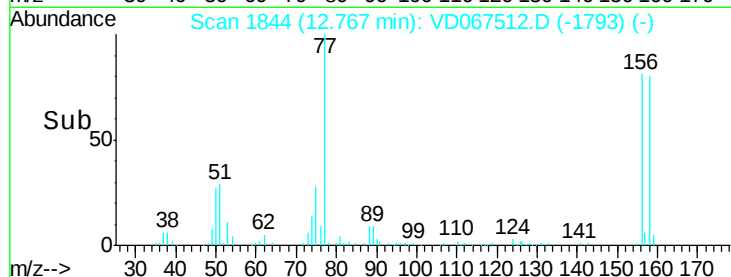
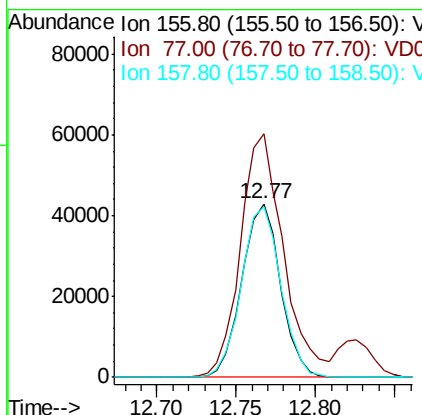
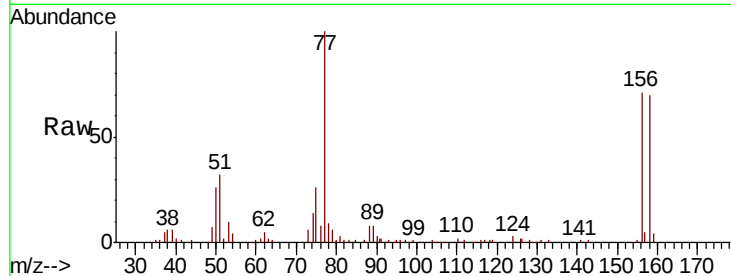
ClientSampleId :

VD1104SBSD01

Tot Ion:	156	Resp:	72658
Ion	Ratio	Lower	Upper
156	100		
77	157.2	77.8	233.5
158	100.1	47.9	143.7

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#78

n-propylbenzene

Concen: 22.271 ug/l

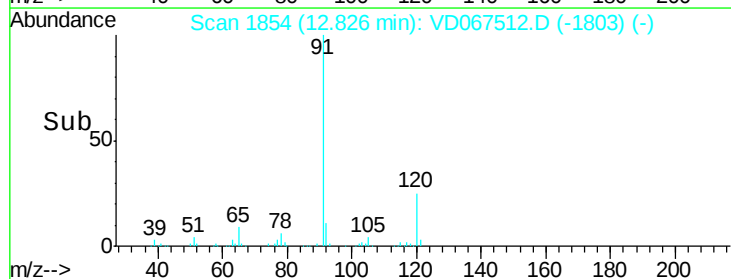
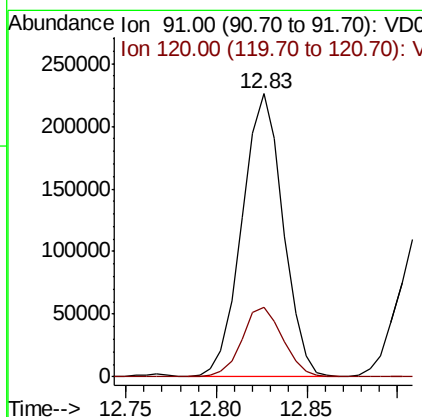
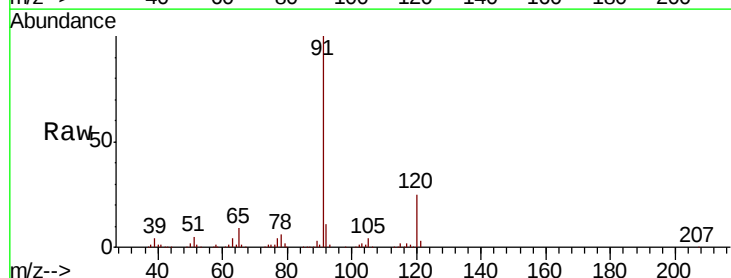
RT: 12.83 min Scan# 1854

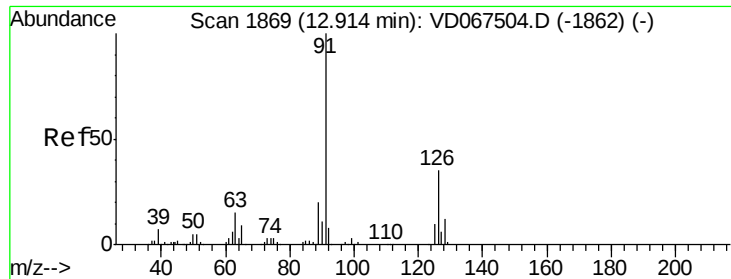
Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Tgt Ion:	91	Resp:	355186
Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.2	36.4





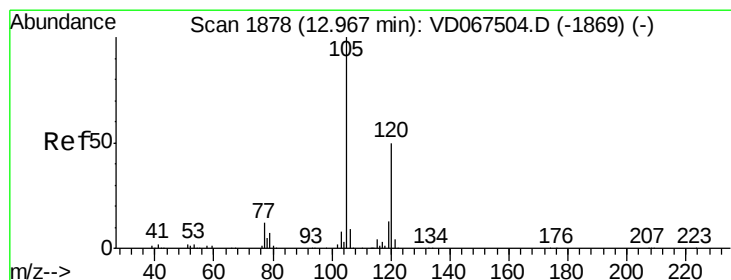
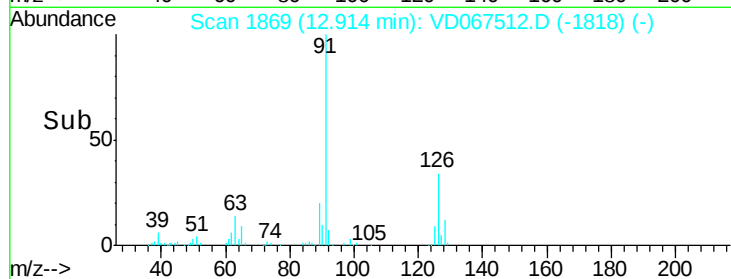
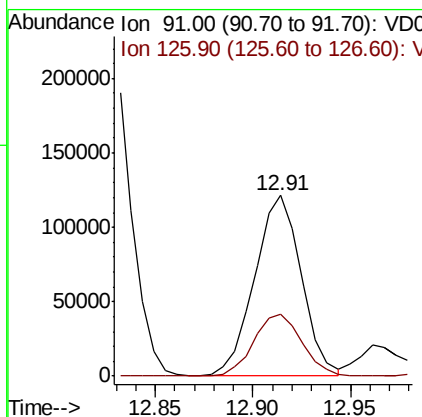
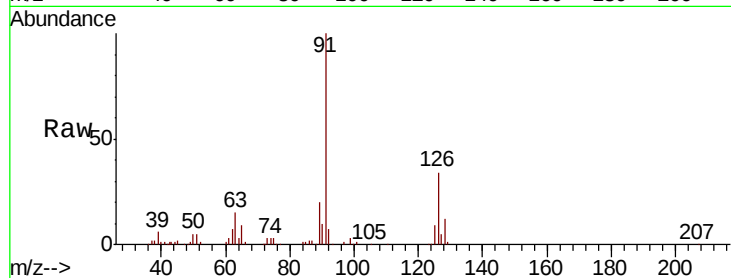
#79
2-Chlorotoluene
Concen: 22.210 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.4

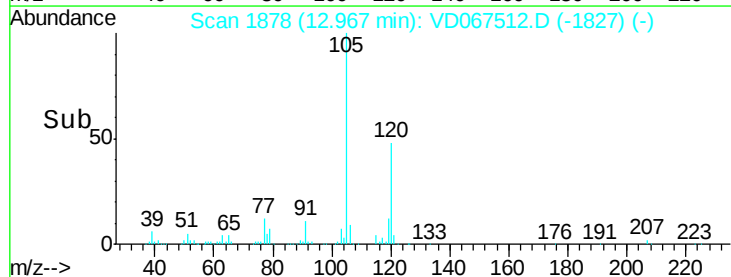
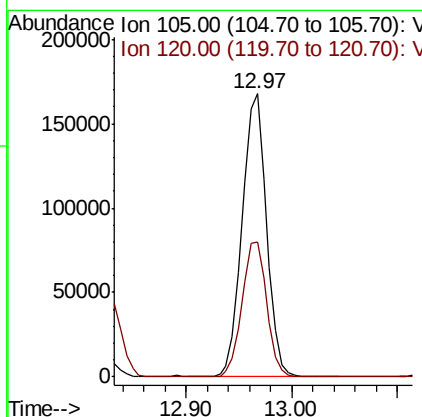
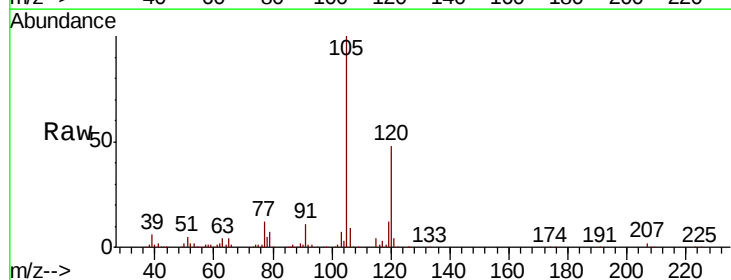
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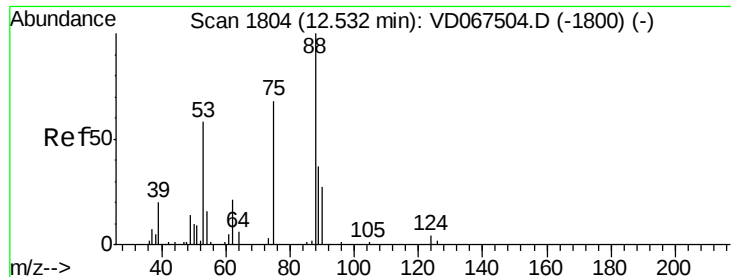
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#80
1,3,5-Trimethylbenzene
Concen: 22.423 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.3	72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.661 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

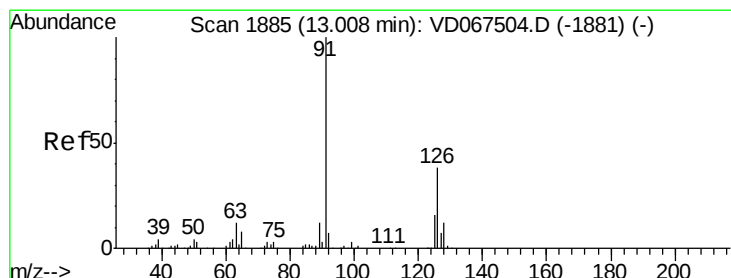
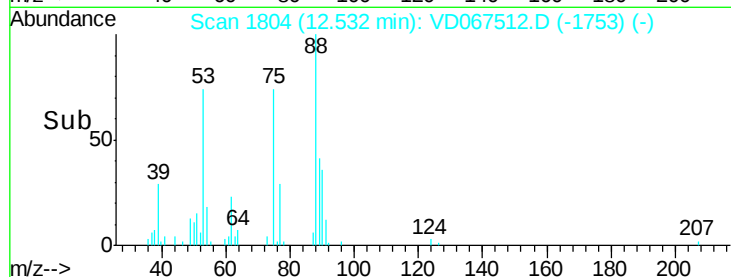
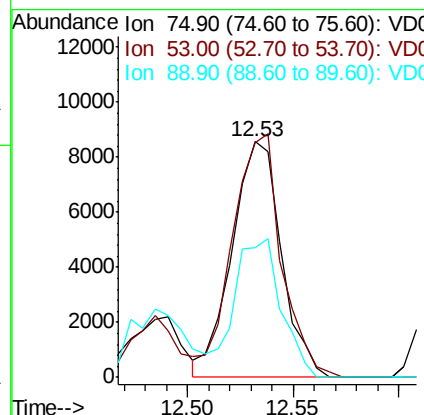
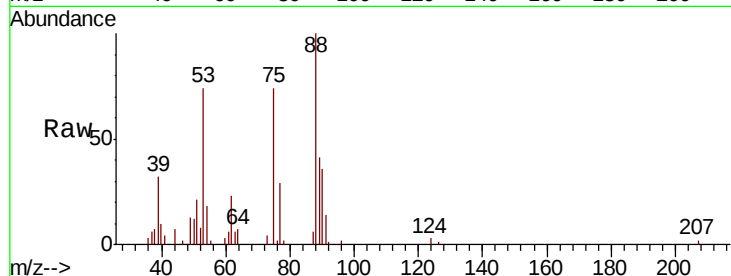
ClientSampleId :

VD1104SBSD01

Tot Ion:	75	Resp:	13886
Ion	Ratio	Lower	Upper
75	100		
53	102.5	75.9	113.9
89	55.7	44.6	67.0

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#82

4-Chlorotoluene

Concen: 22.472 ug/l

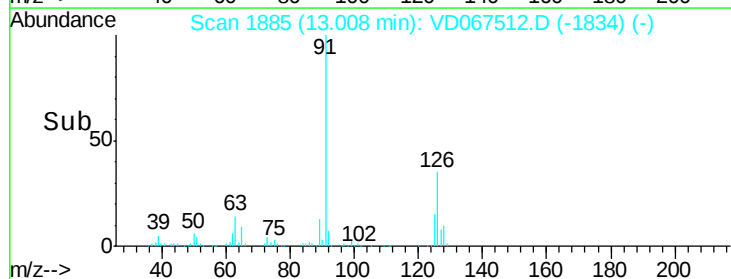
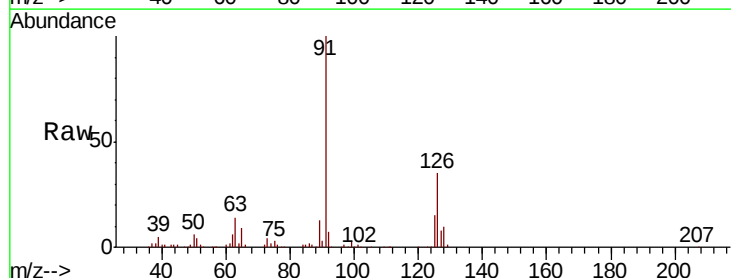
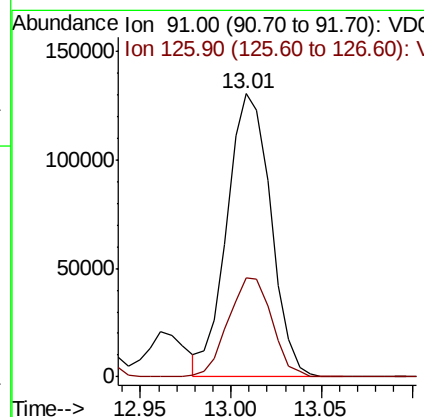
RT: 13.01 min Scan# 1885

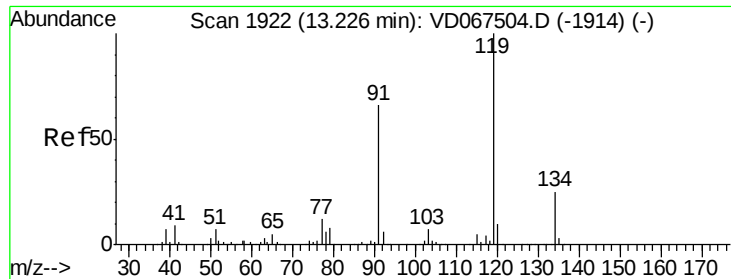
Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Tgt Ion:	91	Resp:	218345
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.9	53.7





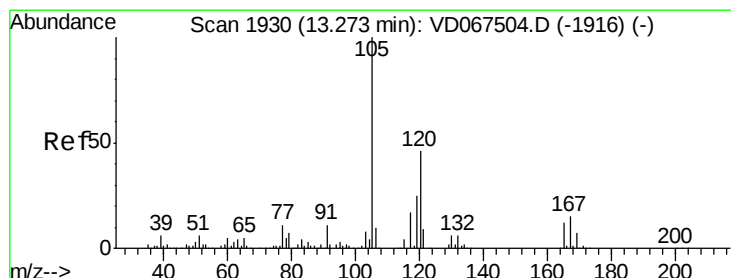
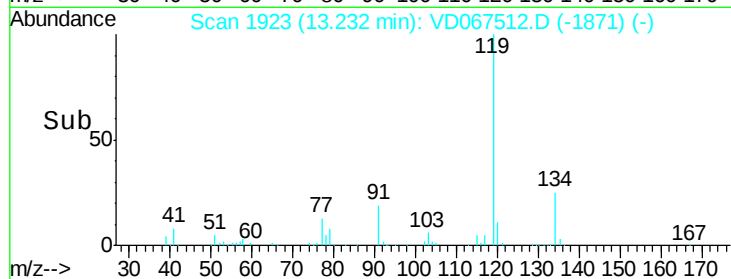
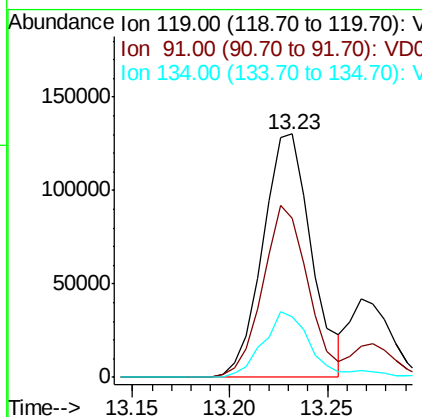
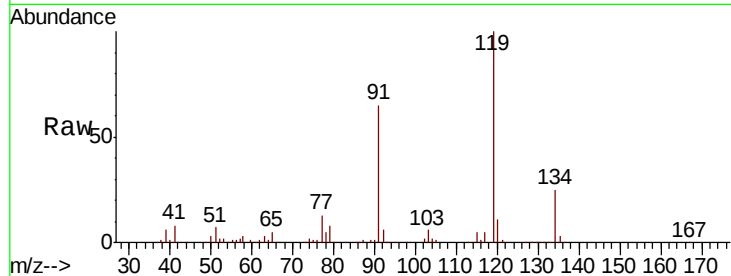
#83
tert-Butylbenzene
Concen: 22.310 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS001

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.7	98.1
134	27.4	13.4	40.2

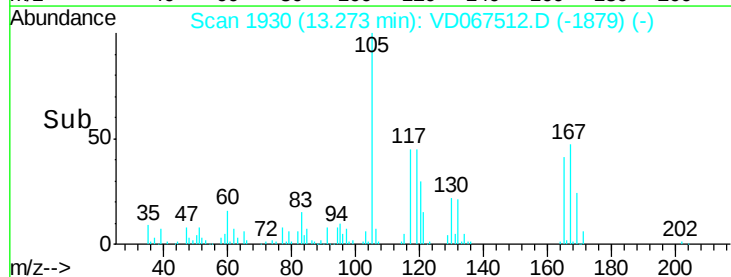
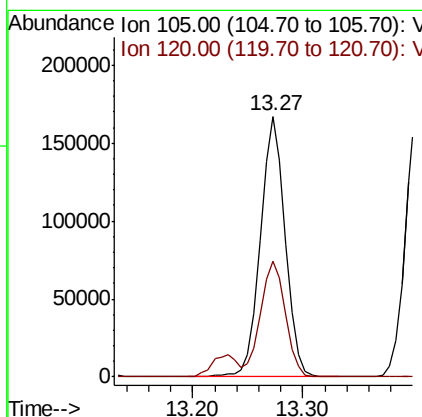
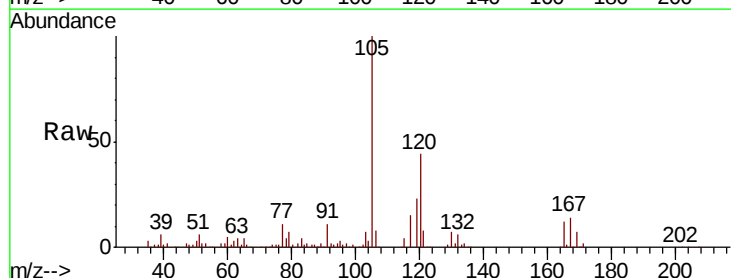
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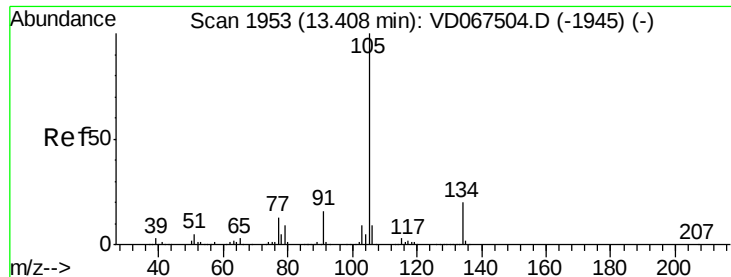
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#84
1,2,4-Trimethylbenzene
Concen: 22.168 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.1





#85

sec-Butylbenzene

Concen: 22.383 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VD1104SBS01

Tot Ion:105 Resp: 305017

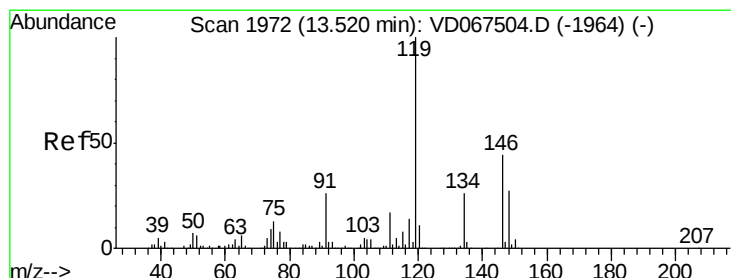
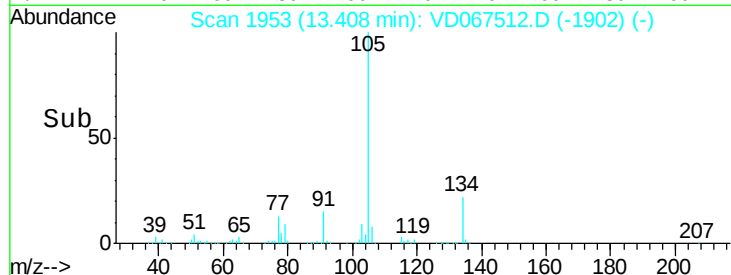
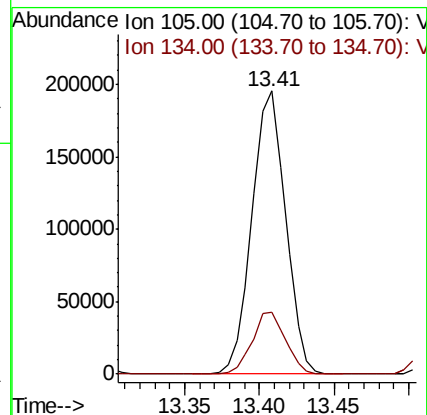
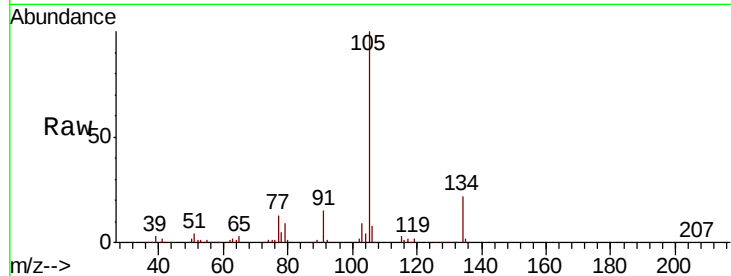
Ion Ratio Lower Upper

105 100

134 21.5 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 22.512 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067512.D

Acq: 04 Nov 2020 11:31

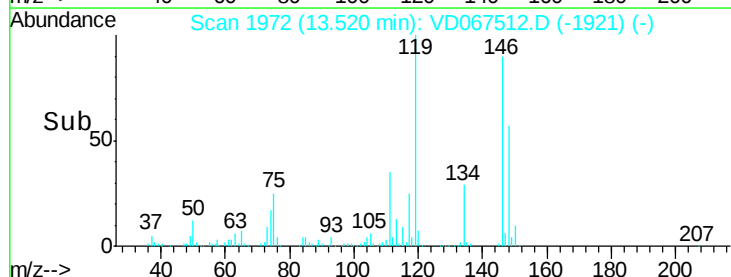
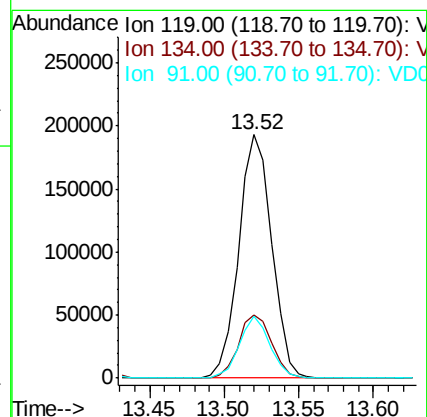
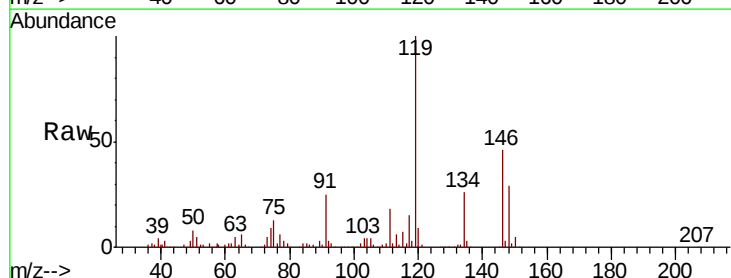
Tgt Ion:119 Resp: 296244

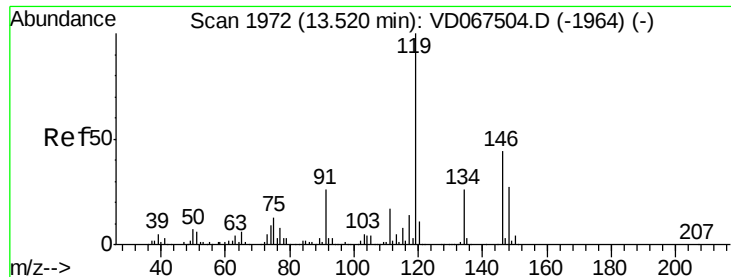
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.5 12.2 36.4





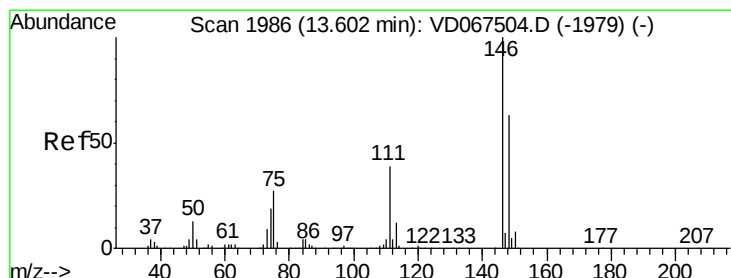
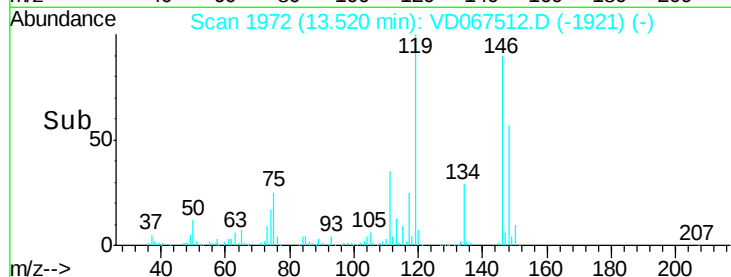
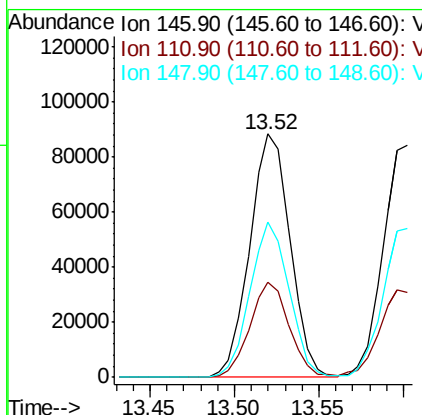
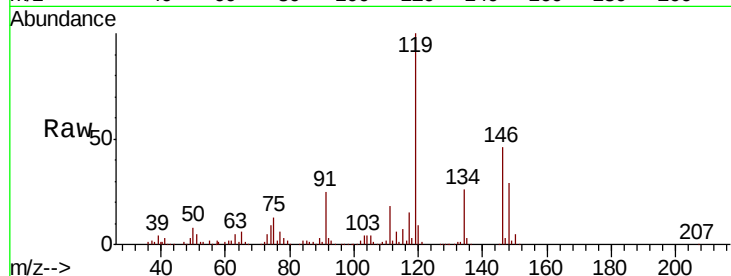
#87
 1,3-Dichlorobenzene
 Concen: 22.440 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.3	60.8
148	61.9	31.9	95.9

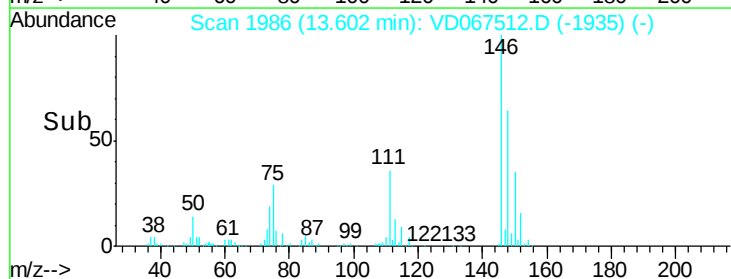
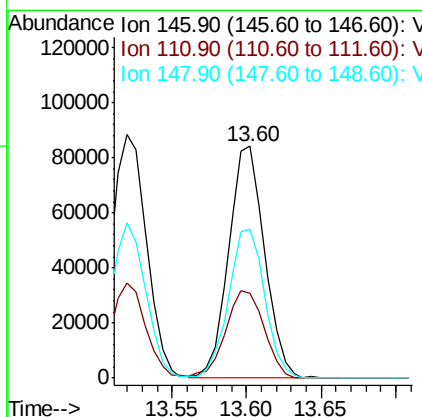
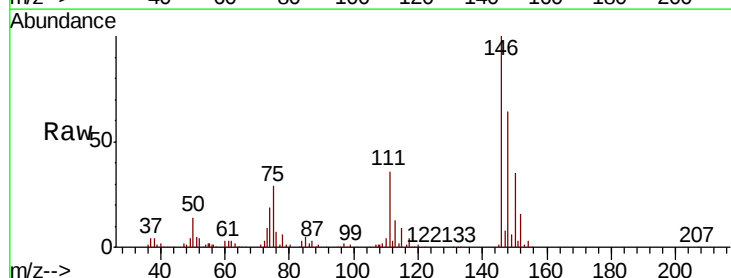
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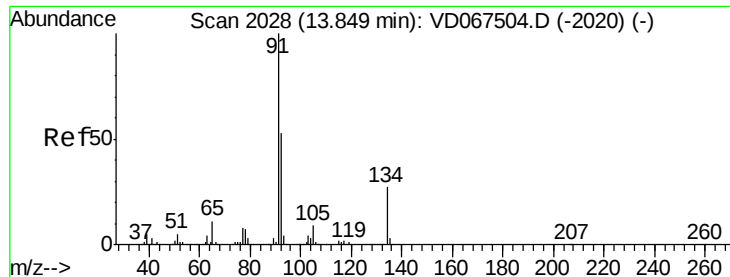
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#88
 1,4-Dichlorobenzene
 Concen: 21.372 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.7
148	65.2	31.8	95.4





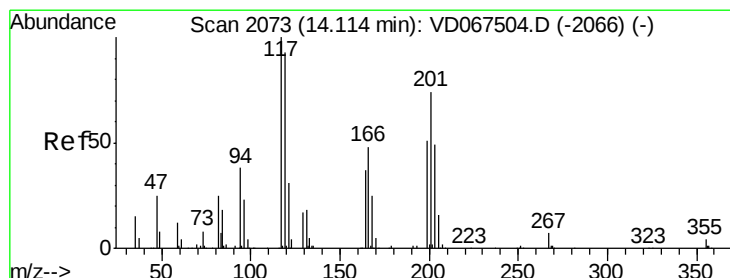
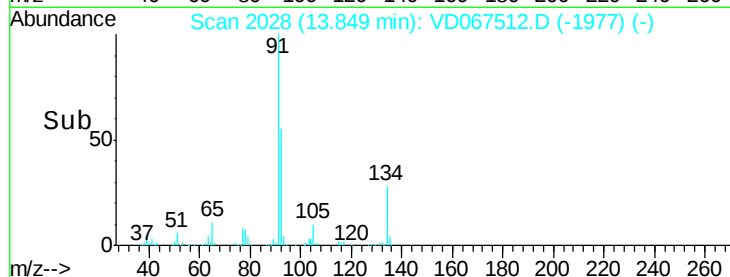
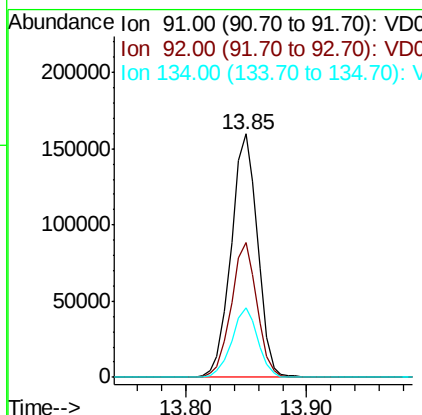
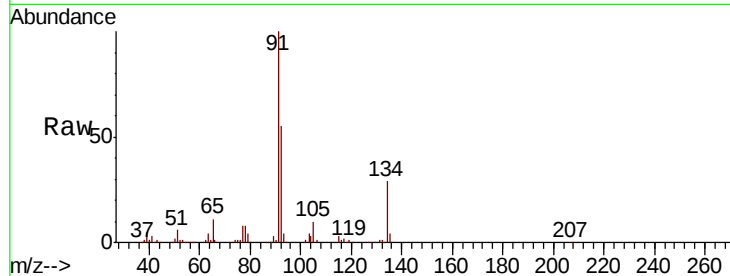
#89
n-Butylbenzene
Concen: 21.442 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.8
134	28.1	14.1	42.2

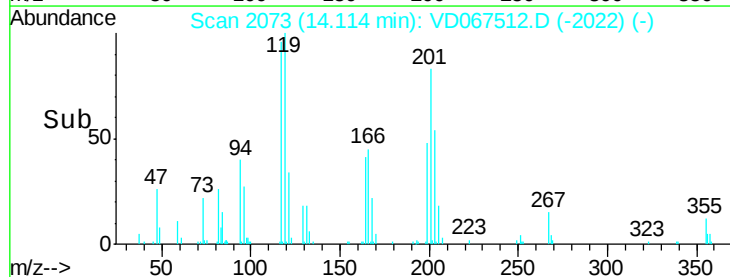
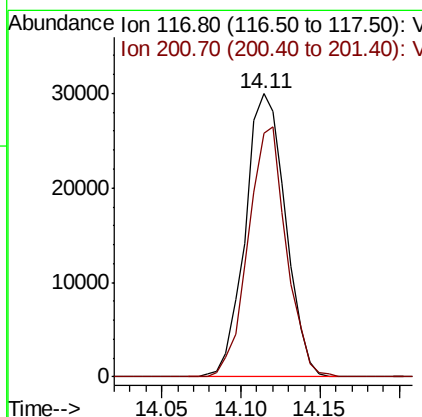
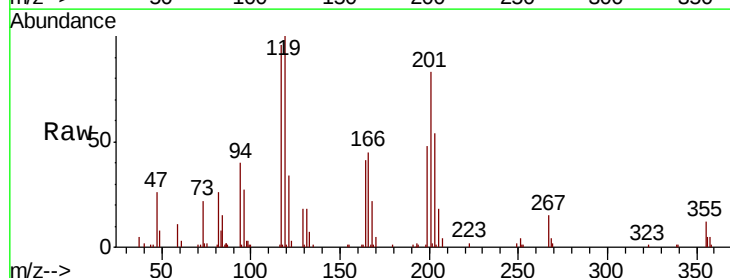
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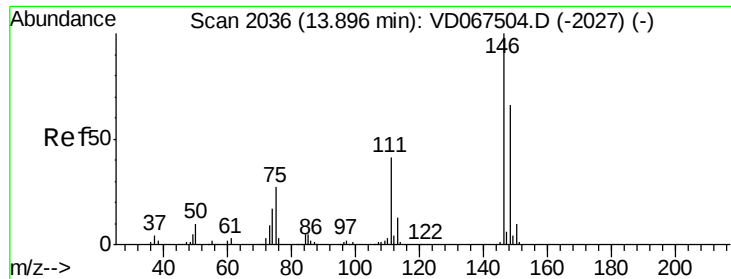
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#90
Hexachloroethane
Concen: 21.416 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	40.7	122.1





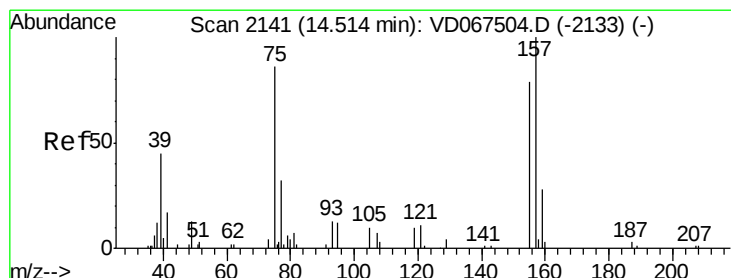
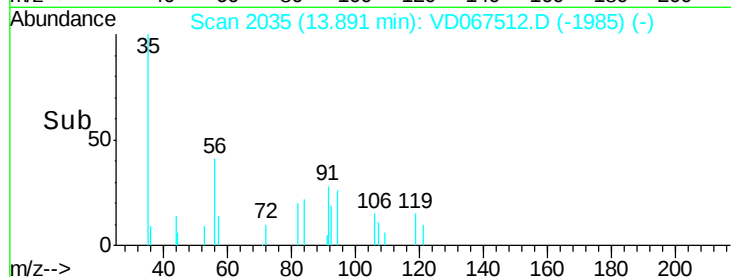
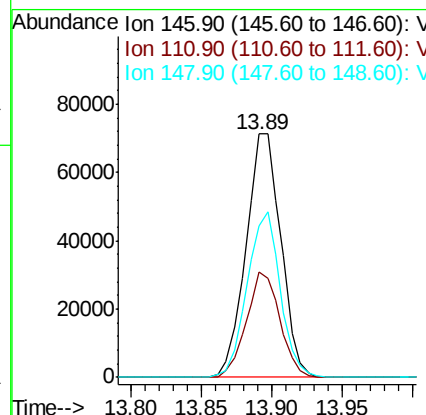
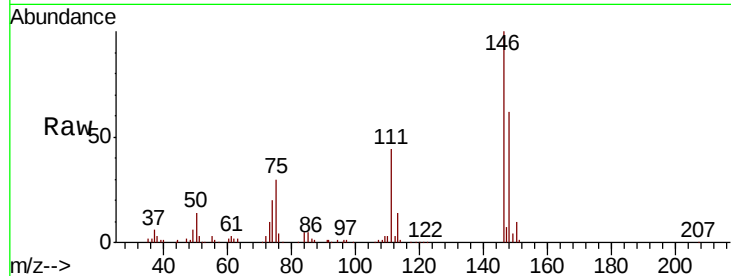
#91
 1,2-Dichlorobenzene
 Concen: 21.884 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	64.5	31.5	94.5

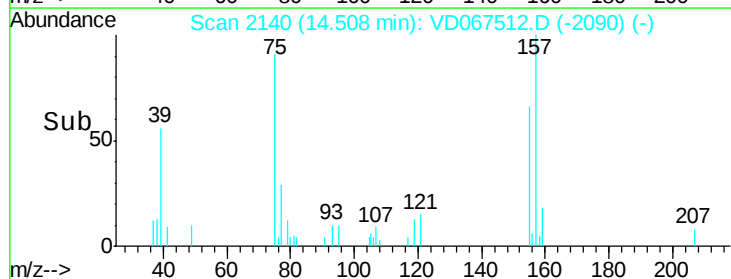
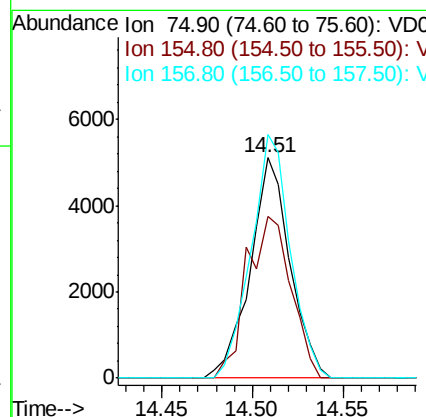
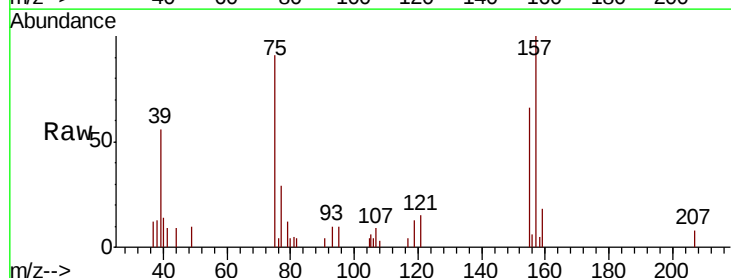
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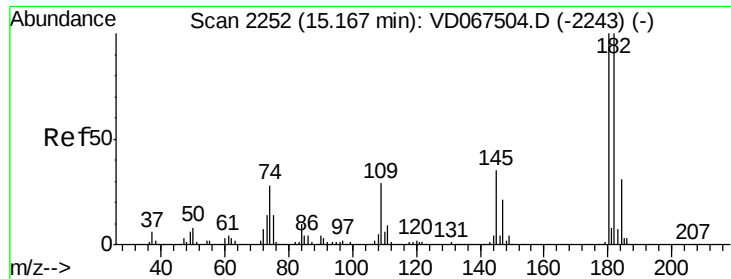
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.167 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	46.6	139.8
157	108.9	58.1	174.2





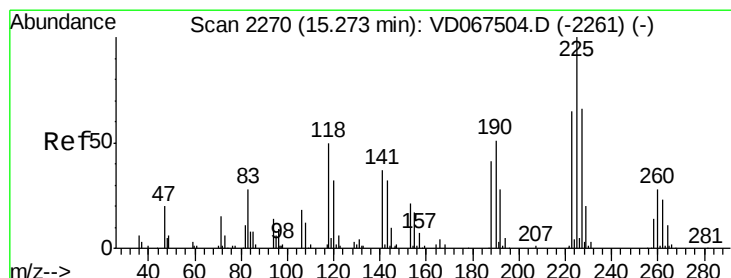
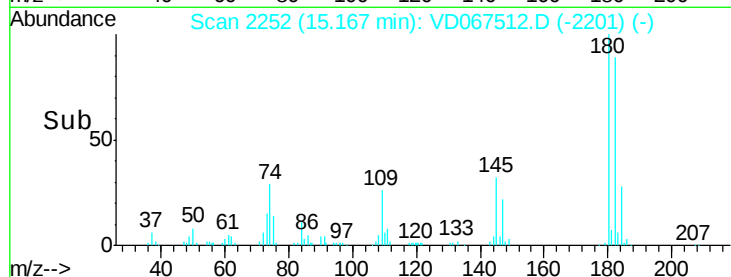
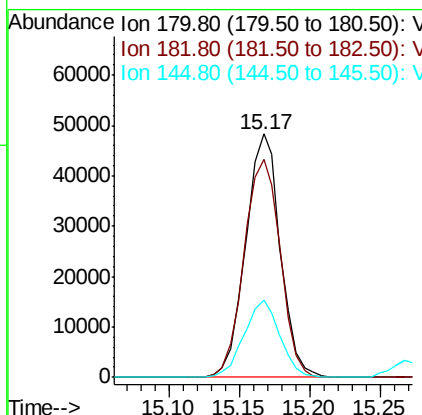
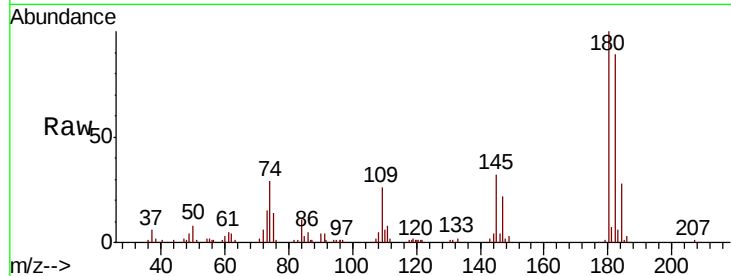
#93
 1,2,4-Trichlorobenzene
 Concen: 21.676 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1104SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.5	47.4	142.3	
145	32.8	16.2	48.6	

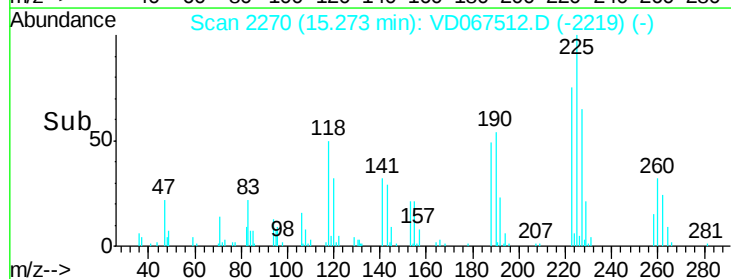
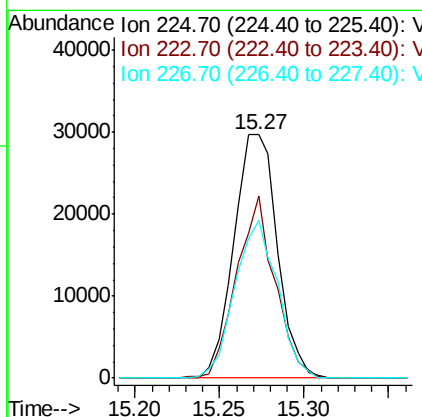
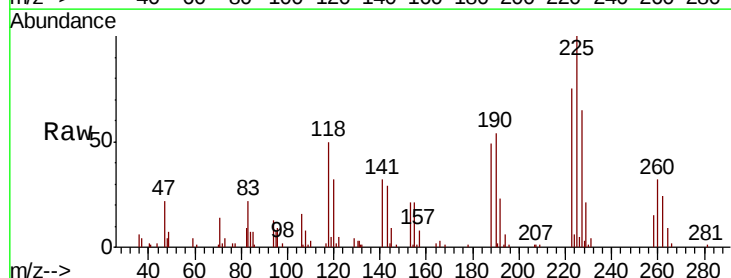
Manual Integrations
 APPROVED

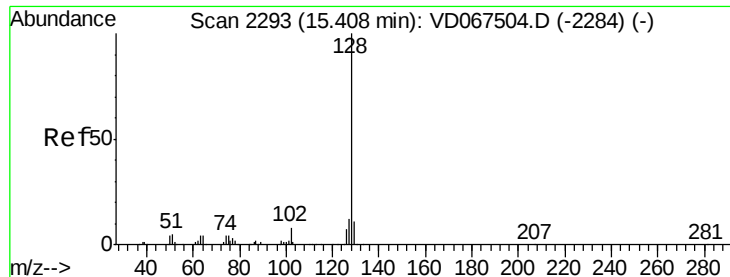
MMDadoda
 11/5/2020 7:01:09 PM



#94
 Hexachlorobutadiene
 Concen: 20.701 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067512.D
 Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.3	31.9	95.5	
227	63.4	32.5	97.4	





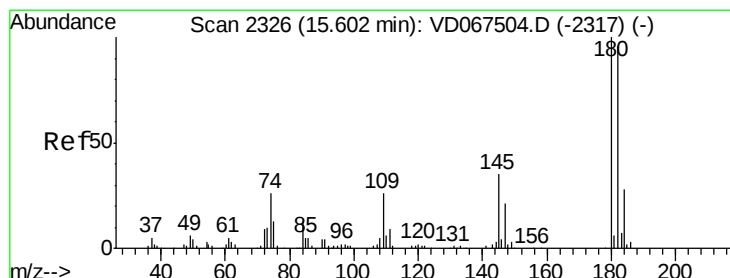
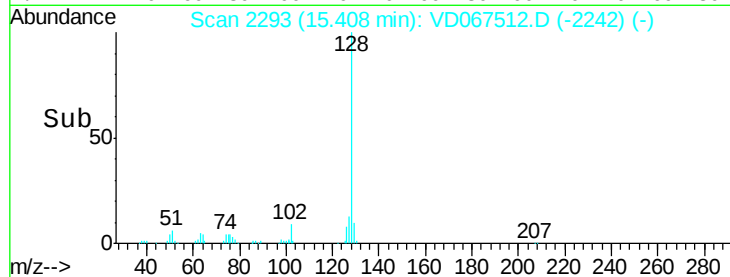
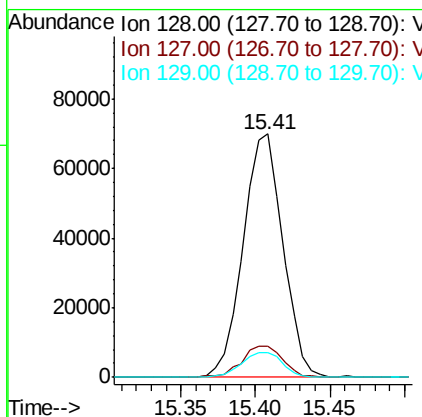
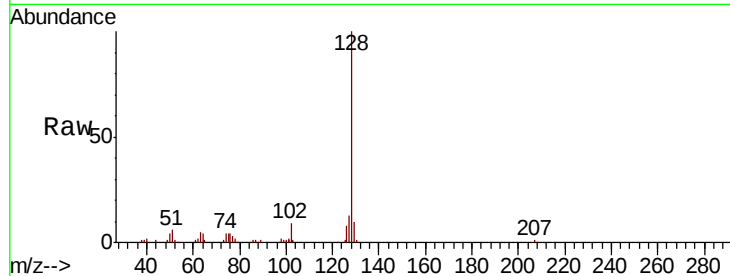
#95
Naphthalene
Concen: 21.736 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD1104SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/5/2020 7:01:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.837 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067512.D
Acq: 04 Nov 2020 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.8
145	33.9	17.1	51.2

