

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067340.D
 Acq On : 21 Oct 2020 11:47
 Operator : VA/SY
 Sample : VD1021SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Quant Time: Oct 22 00:19:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	309026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	456447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	426392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212690	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	160395	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.93	113	164118	54.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	10.34	98	596106	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
62) 4-Bromofluorobenzene	12.64	95	206446	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	54787	19.412	ug/l	95
3) Chloromethane	2.21	50	38754	19.926	ug/l	99
4) Vinyl Chloride	2.35	62	41446	19.422	ug/l	98
5) Bromomethane	2.76	94	33795	21.415	ug/l	98
6) Chloroethane	2.92	64	27213	20.477	ug/l	91
7) Trichlorofluoromethane	3.27	101	110002	20.472	ug/l	99
8) Diethyl Ether	3.71	74	24419	19.860	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58538	20.505	ug/l	97
10) Methyl Iodide	4.30	142	54669	20.759	ug/l	98
11) Tert butyl alcohol	5.21	59	17723	78.899	ug/l	97
12) 1,1-Dichloroethene	4.07	96	52492	20.581	ug/l	92
13) Acrolein	3.91	56	11379	77.832	ug/l	94
14) Allyl chloride	4.71	41	56501	19.345	ug/l	99
15) Acrylonitrile	5.41	53	41272	100.596	ug/l	98
16) Acetone	4.16	43	40734	93.945	ug/l	99
17) Carbon Disulfide	4.41	76	144096	19.818	ug/l	99
18) Methyl Acetate	4.71	43	20501	20.730	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	100935	19.903	ug/l	92
20) Methylene Chloride	4.97	84	62728	19.882	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	58717	20.006	ug/l	92
22) Diisopropyl ether	6.37	45	111897	20.972	ug/l	96
23) Vinyl Acetate	6.31	43	310511	102.294	ug/l	99
24) 1,1-Dichloroethane	6.27	63	92872	20.334	ug/l	96
25) 2-Butanone	7.21	43	50295	101.760	ug/l	97
26) 2,2-Dichloropropane	7.21	77	99273	21.088	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	66035	20.529	ug/l	100
28) Bromochloromethane	7.54	49	30962	19.875	ug/l	98
29) Tetrahydrofuran	7.56	42	27745	100.985	ug/l	92
30) Chloroform	7.71	83	114459	20.978	ug/l	92
31) Cyclohexane	7.98	56	69829	19.582	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	109906	20.531	ug/l	98
36) 1,1-Dichloropropene	8.12	75	80374	20.775	ug/l	100
37) Ethyl Acetate	7.30	43	24981	21.947	ug/l #	95
38) Carbon Tetrachloride	8.10	117	104173	21.068	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	82539	20.408	ug/l	95
40) Benzene	8.35	78	225791	21.274	ug/l	99
41) Methacrylonitrile	7.53	41	10734	17.451	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	70045	21.089	ug/l	97
43) Isopropyl Acetate	8.46	43	47177	20.888	ug/l	99
44) Trichloroethene	9.11	130	72918	21.458	ug/l	94
45) 1,2-Dichloropropane	9.39	63	51115	20.781	ug/l	99
46) Dibromomethane	9.47	93	32205	21.014	ug/l	96
47) Bromodichloromethane	9.67	83	84571	20.597	ug/l	99
48) Methyl methacrylate	9.46	41	21739	19.806	ug/l	97
49) 1,4-Dioxane	9.46	88	5707	365.539	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	116975	103.839	ug/l	98
52) Toluene	10.41	92	153745	21.269	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	76491	21.207	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	89952	21.309	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	45579	21.810	ug/l	92
56) Ethyl methacrylate	10.66	69	44831	20.685	ug/l	98
57) 1,3-Dichloropropane	10.95	76	71389	21.465	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	119168	107.179	ug/l	99
59) 2-Hexanone	10.98	43	80573	104.671	ug/l	99
60) Dibromochloromethane	11.14	129	66099	21.688	ug/l	99
61) 1,2-Dibromoethane	11.25	107	44493	21.596	ug/l	100
64) Tetrachloroethene	10.88	164	65411	21.173	ug/l	93
65) Chlorobenzene	11.67	112	172173	21.057	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	69911	21.513	ug/l	99
67) Ethyl Benzene	11.75	91	297711	21.241	ug/l	99
68) m/p-Xylenes	11.86	106	232143	43.010	ug/l	98
69) o-Xylene	12.18	106	102122	20.432	ug/l	98
70) Styrene	12.20	104	180698	21.002	ug/l	100
71) Bromoform	12.37	173	37140	21.274	ug/l #	100
73) Isopropylbenzene	12.48	105	292621	21.678	ug/l	99
74) N-amyl acetate	12.30	43	41677	20.442	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	46094	22.286	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	59046	40.054	ug/l #	100
77) Bromobenzene	12.77	156	71965	21.384	ug/l	99
78) n-propylbenzene	12.83	91	344415	22.021	ug/l	100
79) 2-Chlorotoluene	12.91	91	196974	21.717	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	257350	21.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	13743	21.141	ug/l	94
82) 4-Chlorotoluene	13.01	91	208983	21.709	ug/l	100
83) tert-Butylbenzene	13.23	119	216885	21.888	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	254999	21.994	ug/l	99
85) sec-Butylbenzene	13.40	105	286016	21.036	ug/l	99
86) p-Isopropyltoluene	13.52	119	277517	21.625	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	138844	21.435	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	140402	21.877	ug/l	99
89) n-Butylbenzene	13.85	91	239492	21.213	ug/l	99
90) Hexachloroethane	14.11	117	46658	20.835	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	121964	21.553	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7053	18.770	ug/l	93

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Quant Title : SW846 8260
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Response via : Initial Calibration

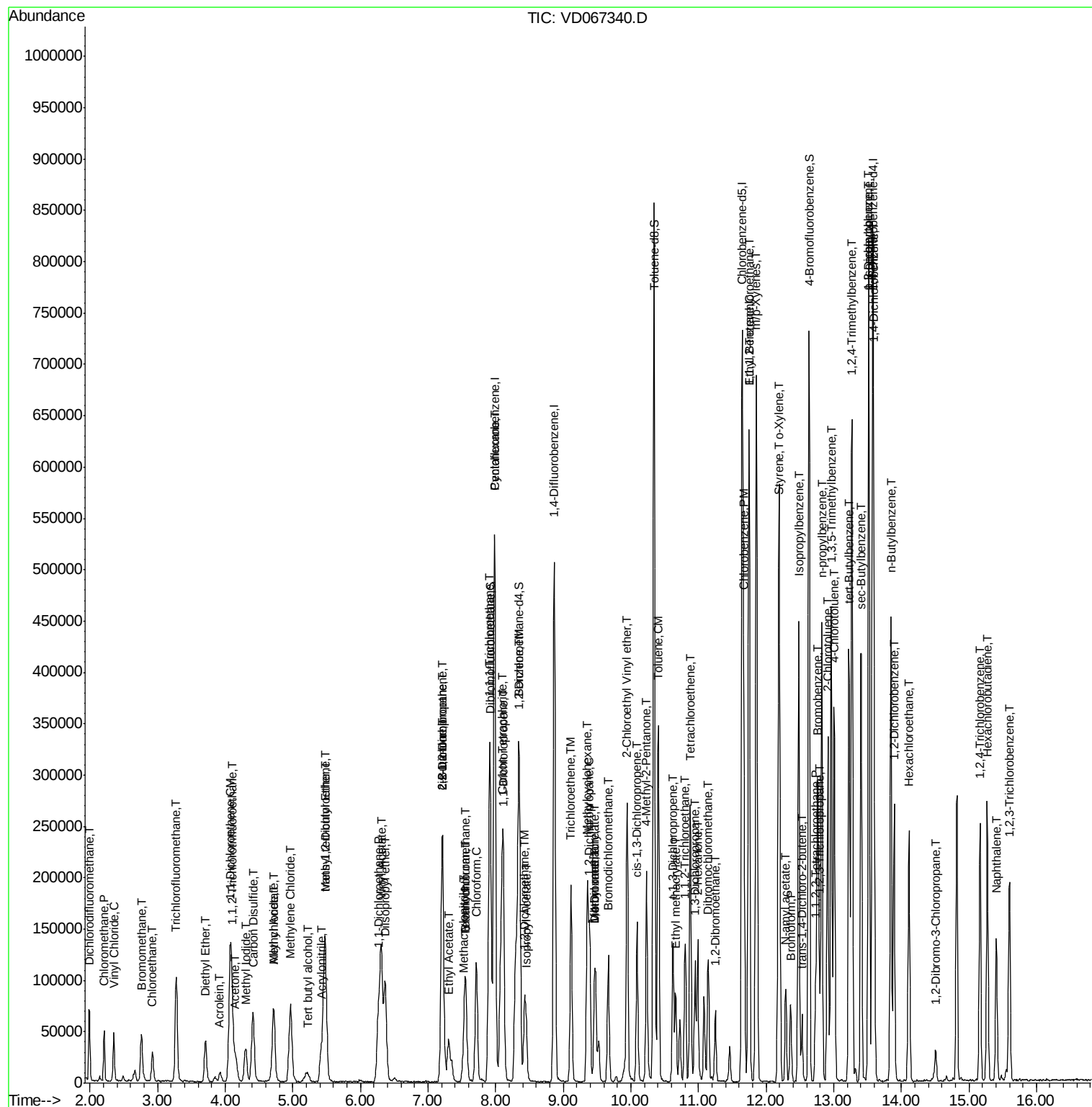
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	84107	22.045	ug/l	95
94) Hexachlorobutadiene	15.27	225	51156	21.592	ug/l	98
95) Naphthalene	15.41	128	128154	20.459	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	69594	21.114	ug/l	99

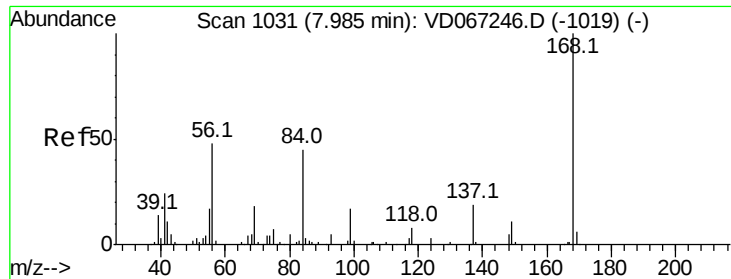
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102120\
Data File : VD067340.D
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Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

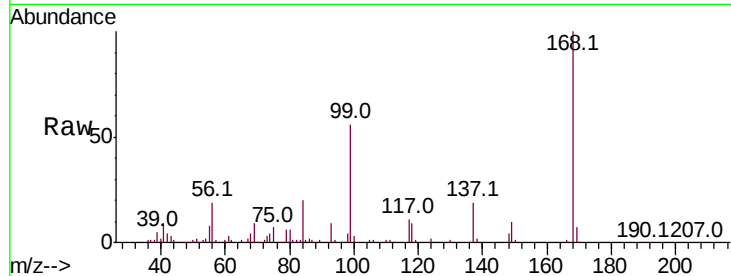
VD1021SBS01

Tot Ion:168 Resp: 309026

Ion Ratio Lower Upper

168 100

99 55.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

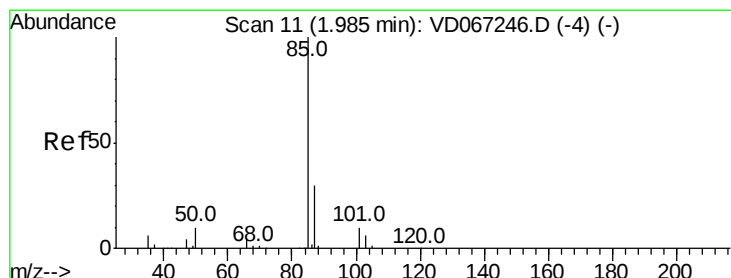
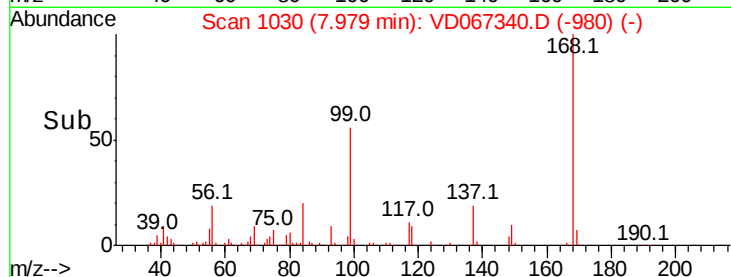
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.412 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067340.D

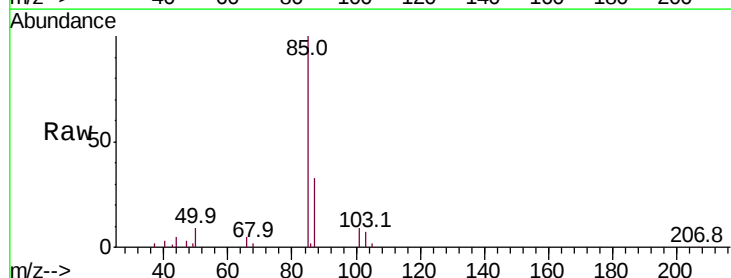
Acq: 21 Oct 2020 11:47

Tgt Ion: 85 Resp: 54787

Ion Ratio Lower Upper

85 100

87 32.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

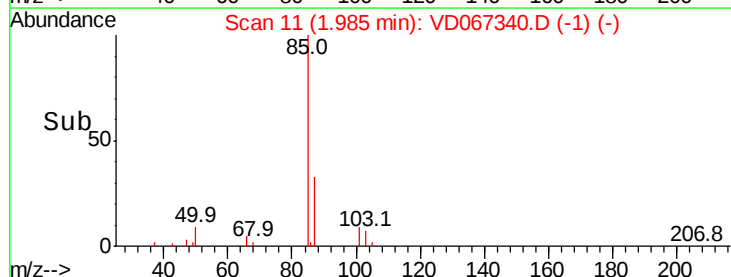
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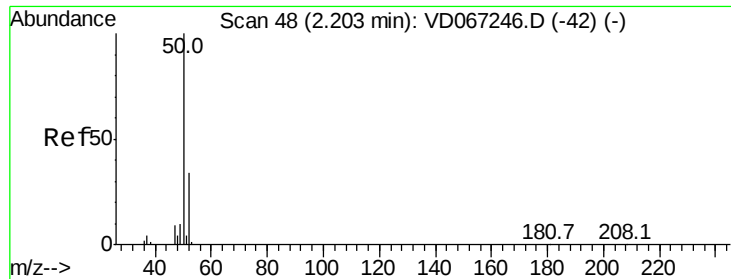
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.926 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

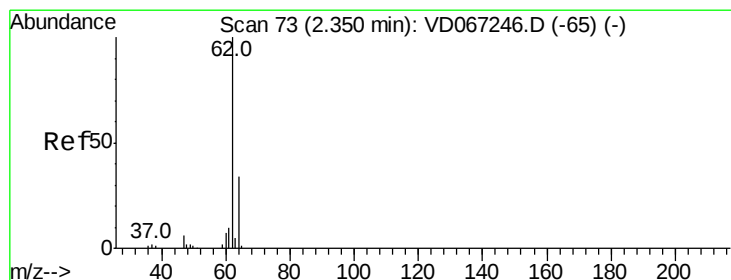
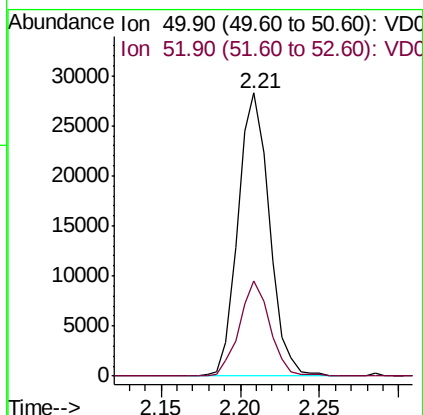
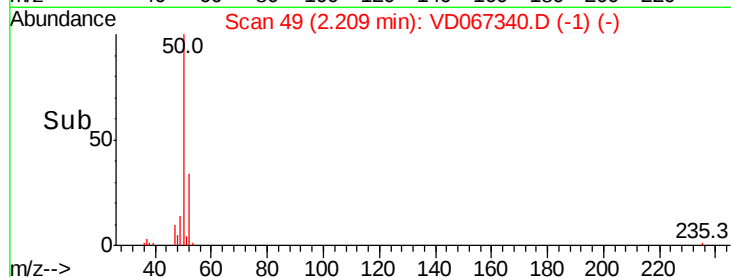
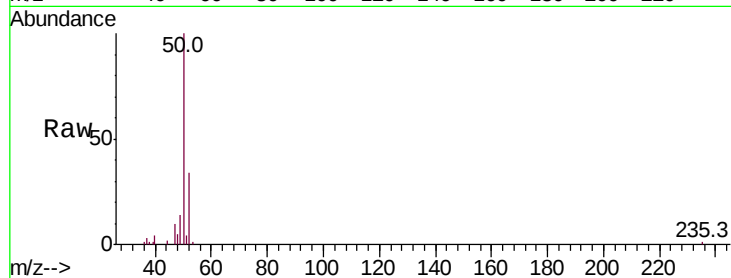
VD1021SBSD01

Tot Ion: 50 Resp: 38754

Ion Ratio Lower Upper

50 100

52 33.6 27.1 40.7



#4

Vinyl Chloride

Concen: 19.422 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067340.D

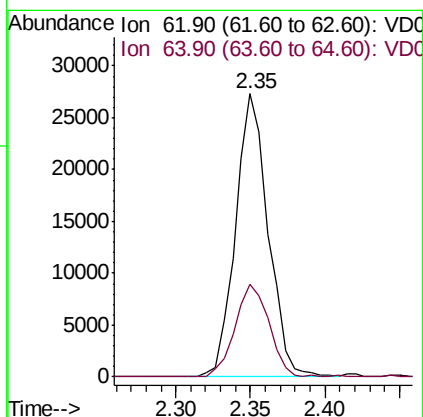
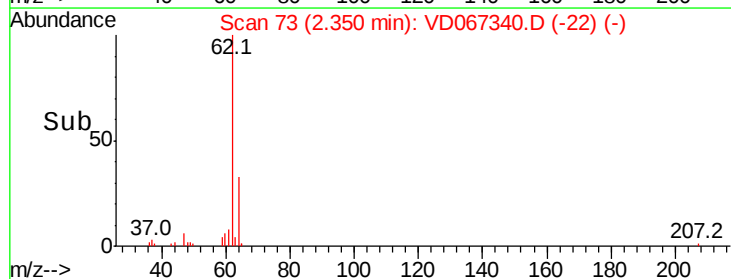
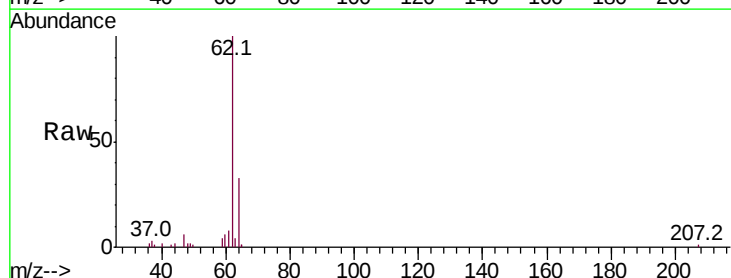
Acq: 21 Oct 2020 11:47

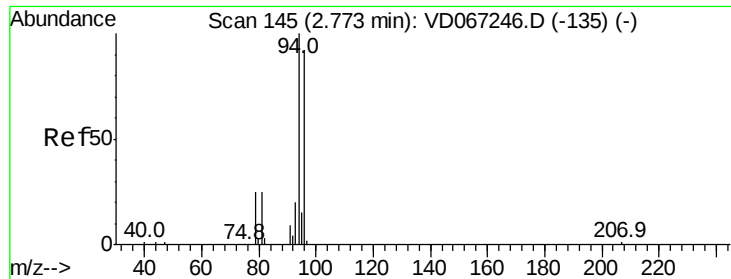
Tgt Ion: 62 Resp: 41446

Ion Ratio Lower Upper

62 100

64 32.9 27.4 41.0





#5

Bromomethane

Concen: 21.415 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

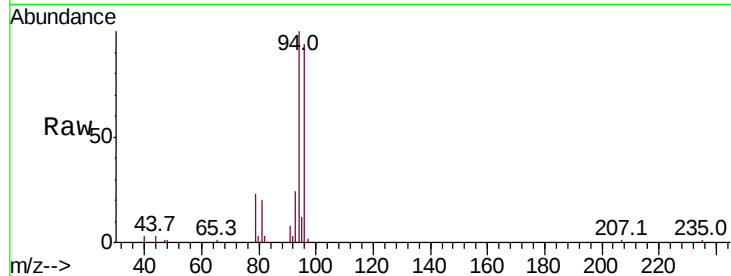
VD1021SBSD01

Tot Ion: 94 Resp: 33795

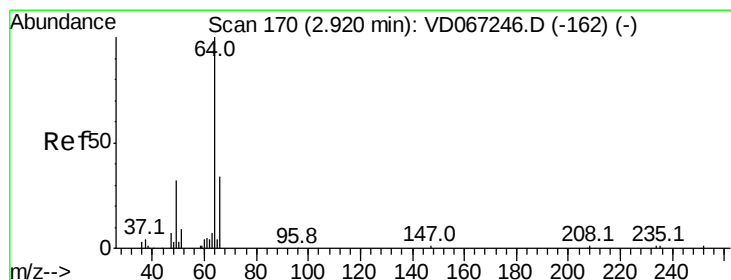
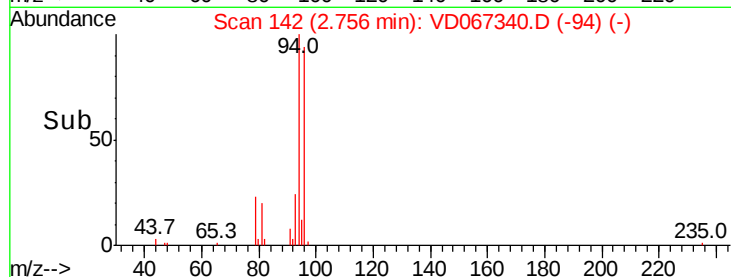
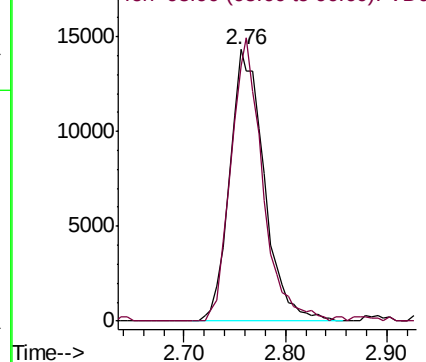
Ion Ratio Lower Upper

94 100

96 94.1 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.477 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067340.D

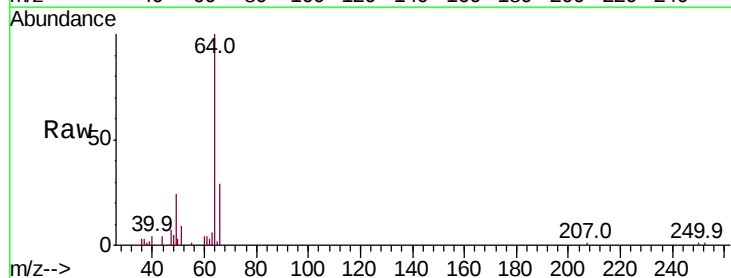
Acq: 21 Oct 2020 11:47

Tgt Ion: 64 Resp: 27213

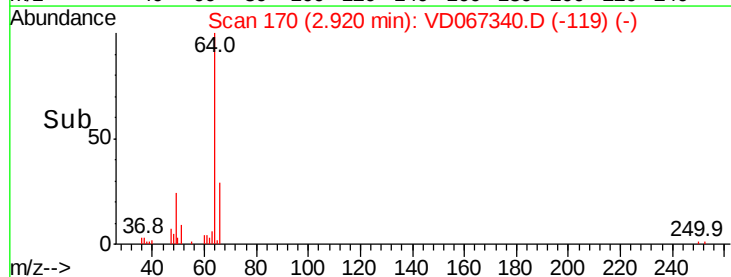
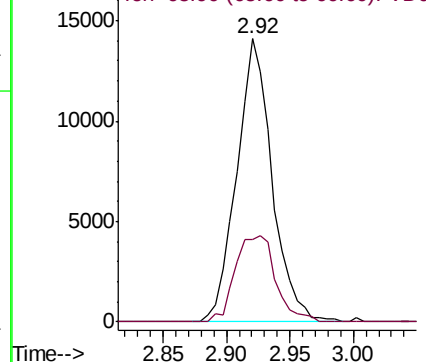
Ion Ratio Lower Upper

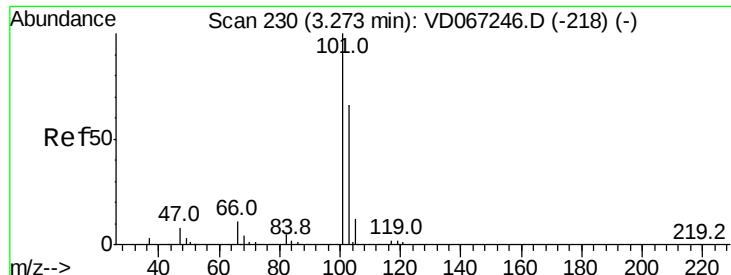
64 100

66 29.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



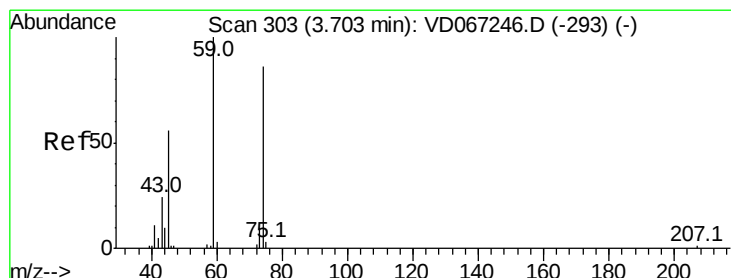
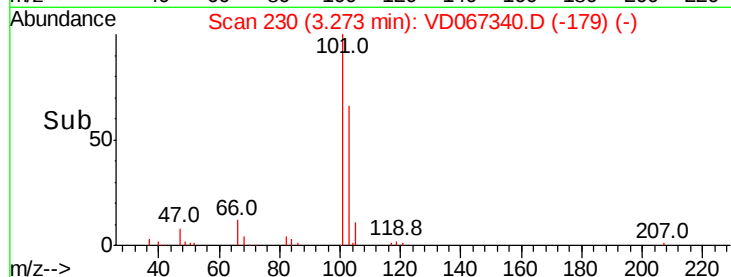
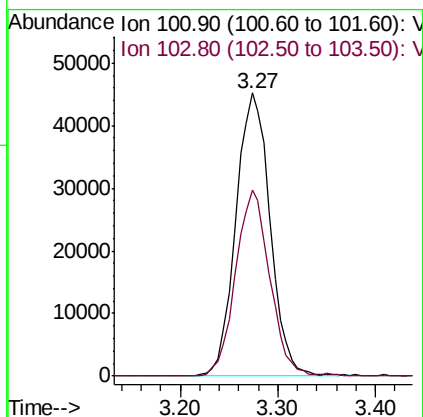
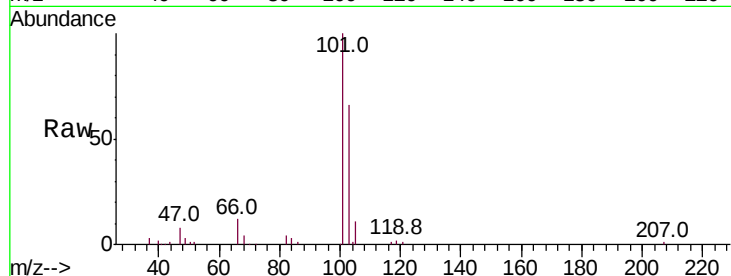


#7

Trichlorofluoromethane
 Concen: 20.472 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBSD01

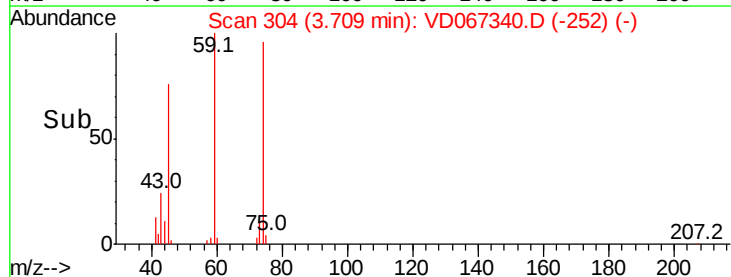
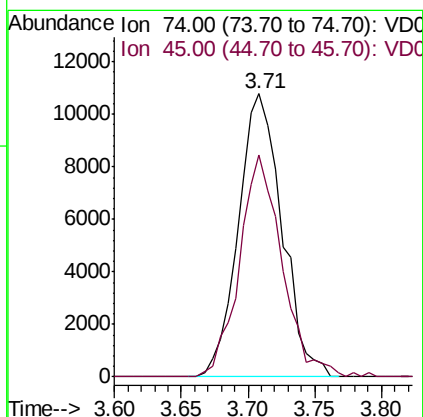
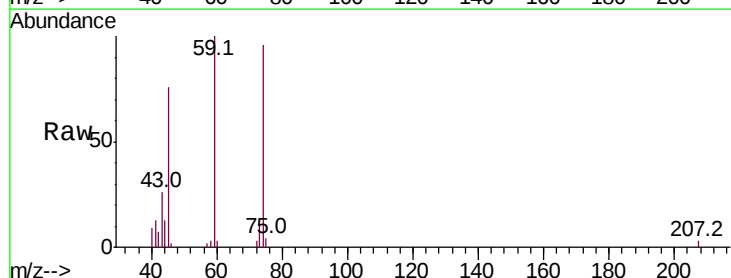
Tot Ion:101 Resp: 110002
 Ion Ratio Lower Upper
 101 100
 103 65.9 53.1 79.7

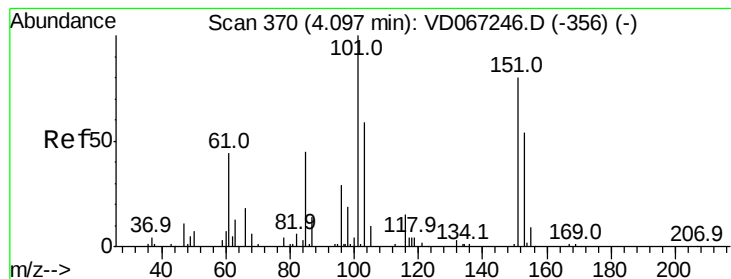


#8

Diethyl Ether
 Concen: 19.860 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

Tgt Ion: 74 Resp: 24419
 Ion Ratio Lower Upper
 74 100
 45 76.2 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.505 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBSD01

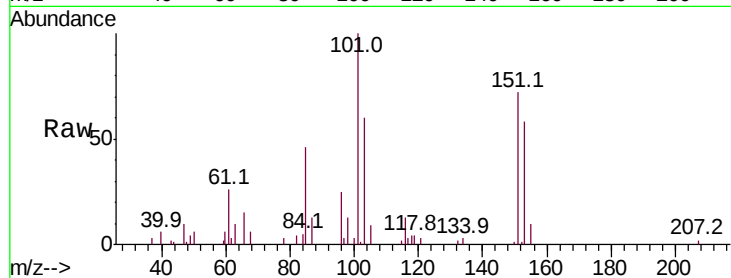
Tot Ion:101 Resp: 58538

Ion Ratio Lower Upper

101 100

85 44.8 34.2 51.4

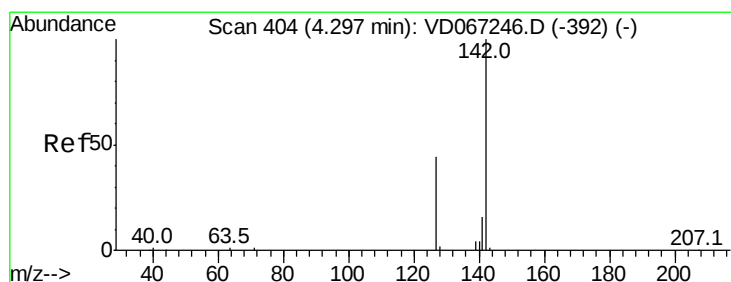
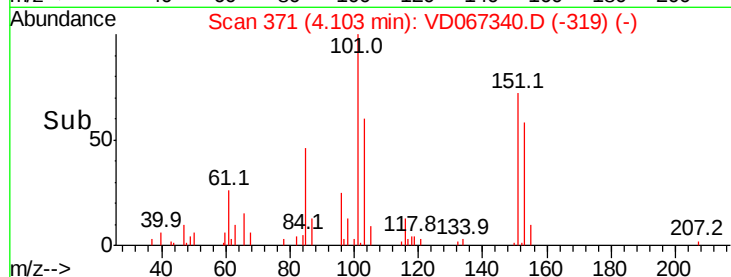
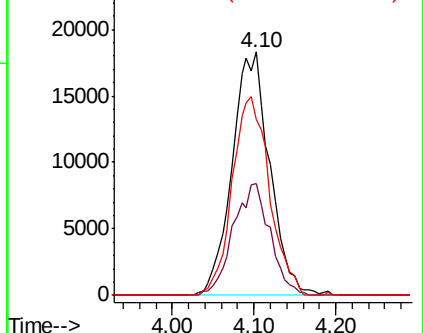
151 80.8 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.759 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

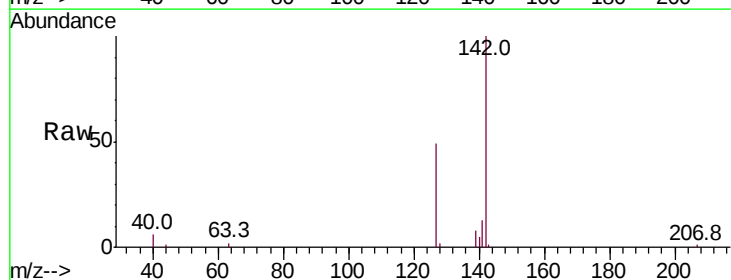
Tgt Ion:142 Resp: 54669

Ion Ratio Lower Upper

142 100

127 46.5 38.4 57.6

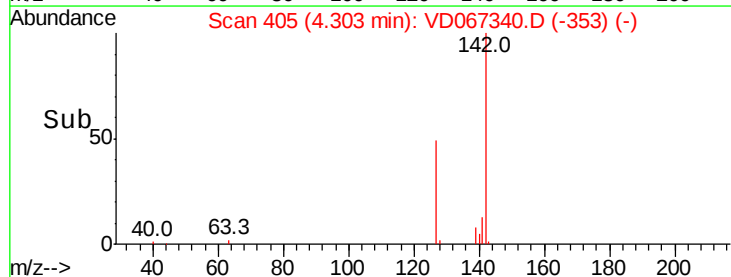
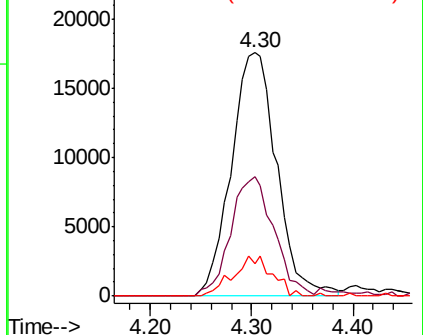
141 14.1 11.6 17.4

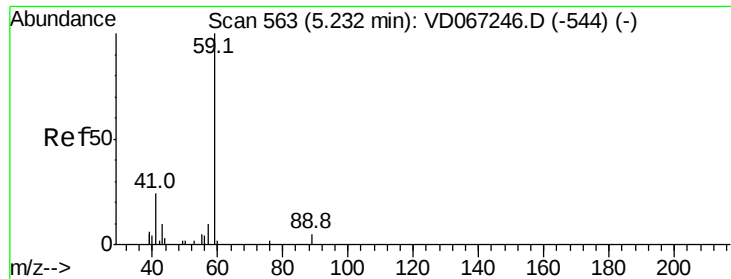


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



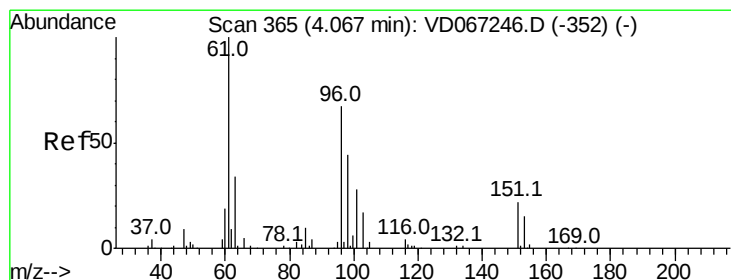
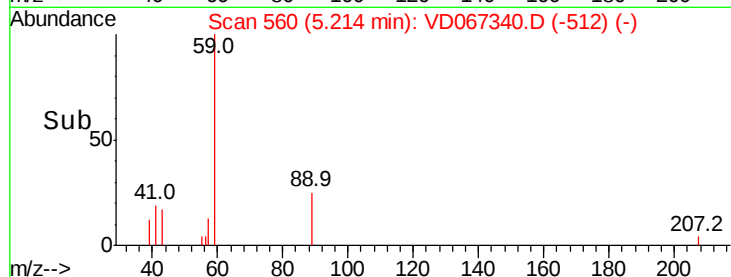
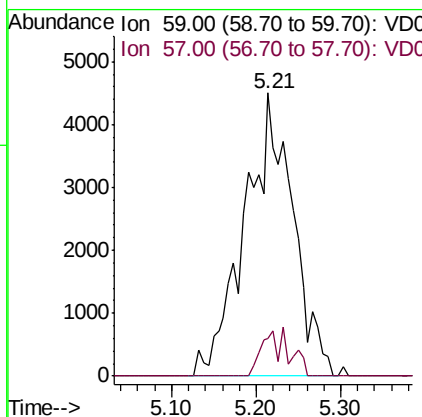
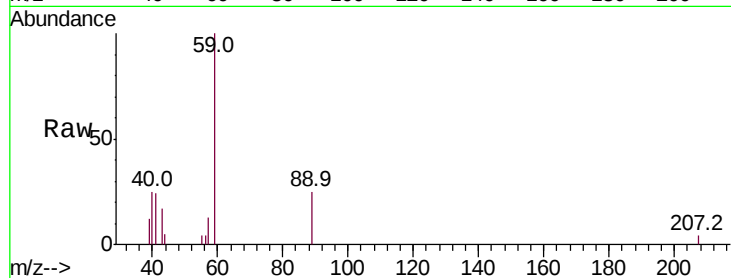


#11

Tert butyl alcohol
 Concen: 78.899 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

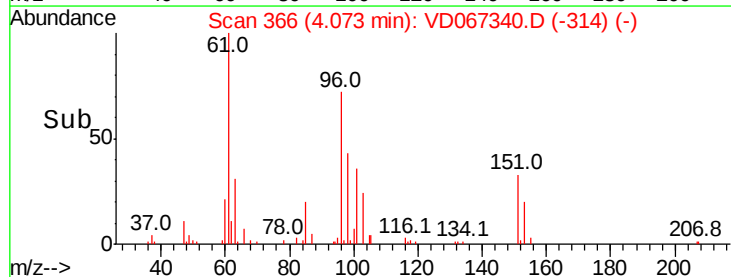
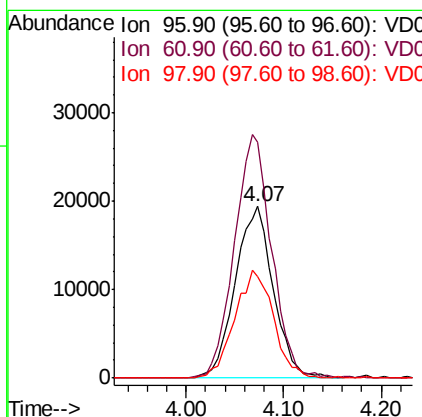
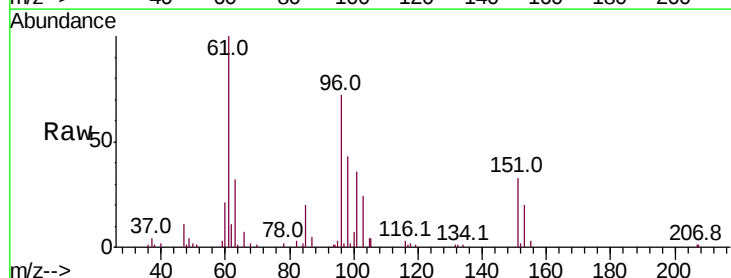
Tot Ion: 59 Resp: 17723
 Ion Ratio Lower Upper
 59 100
 57 5.3 5.1 7.7

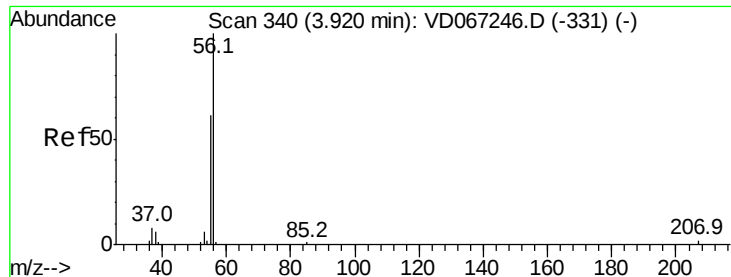


#12

1,1-Dichloroethene
 Concen: 20.581 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

Tgt Ion: 96 Resp: 52492
 Ion Ratio Lower Upper
 96 100
 61 138.0 118.6 177.8
 98 59.6 51.8 77.6





#13

Acrolein

Concen: 77.832 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

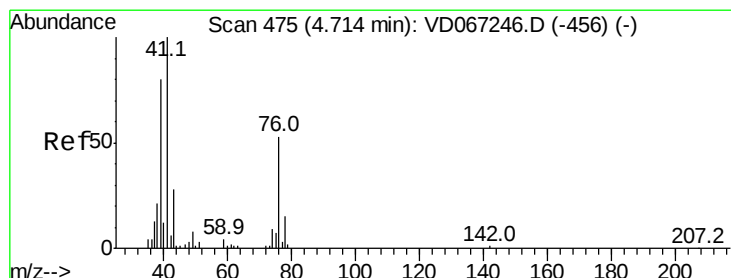
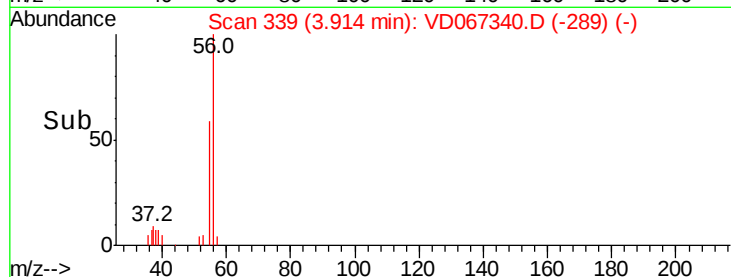
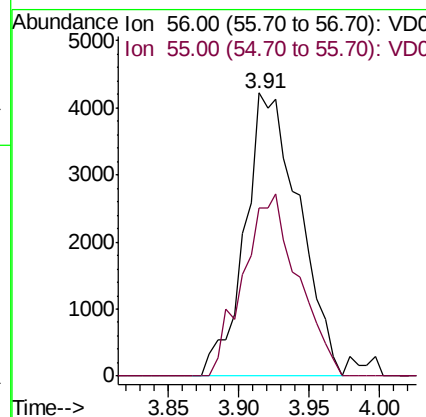
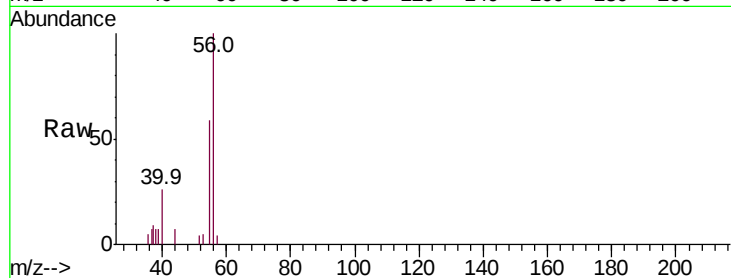
VD1021SBSD01

Tot Ion: 56 Resp: 11379

Ion Ratio Lower Upper

56 100

55 64.7 56.0 84.0



#14

Allyl chloride

Concen: 19.345 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

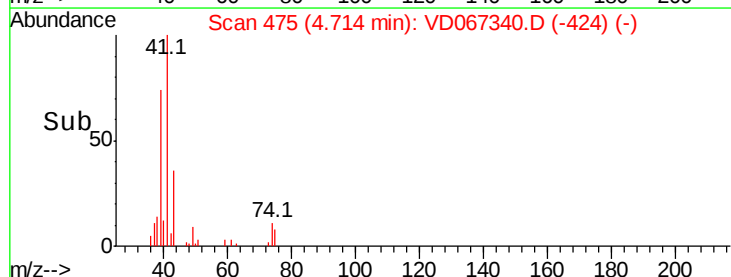
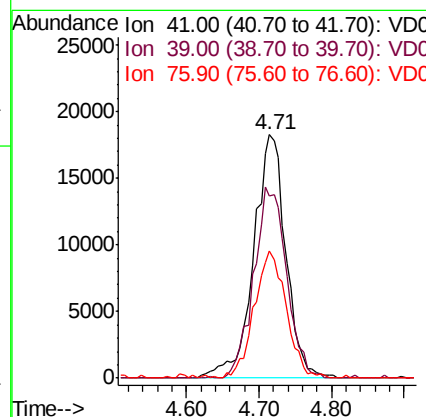
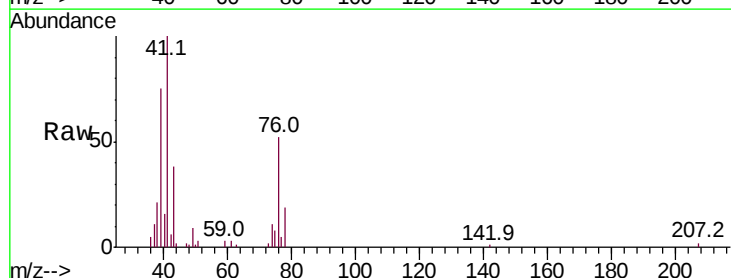
Tgt Ion: 41 Resp: 56501

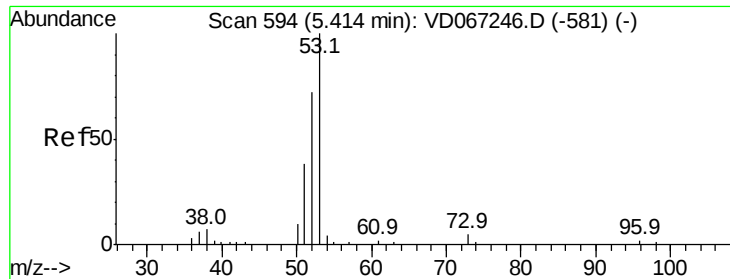
Ion Ratio Lower Upper

41 100

39 80.0 63.8 95.6

76 52.0 40.4 60.6





#15

Acrylonitrile

Concen: 100.596 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

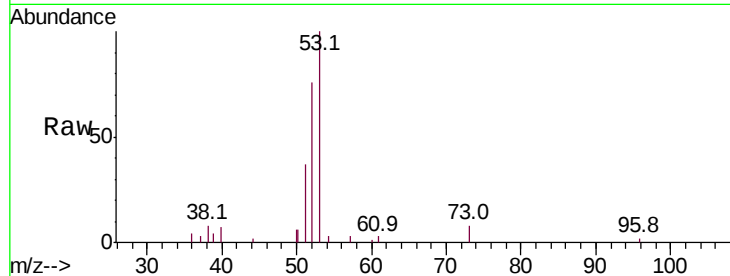
Tot Ion: 53 Resp: 41272

Ion Ratio Lower Upper

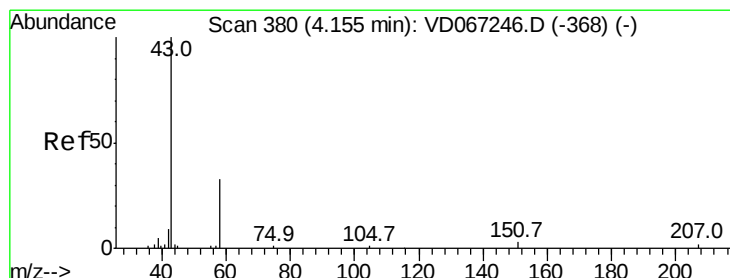
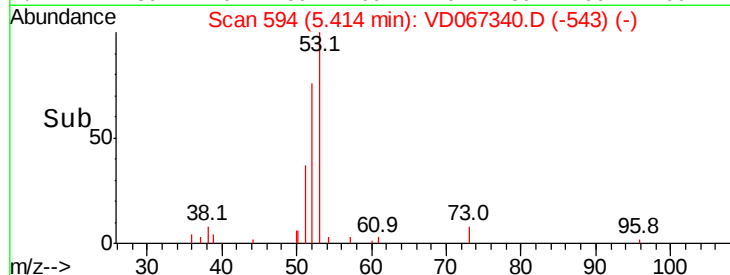
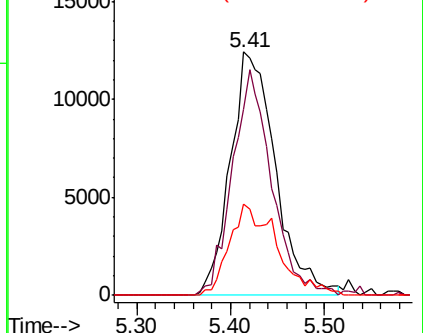
53 100

52 80.5 65.6 98.4

51 39.7 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 93.945 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067340.D

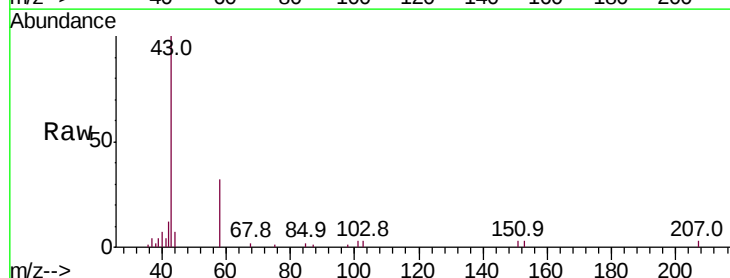
Acq: 21 Oct 2020 11:47

Tgt Ion: 43 Resp: 40734

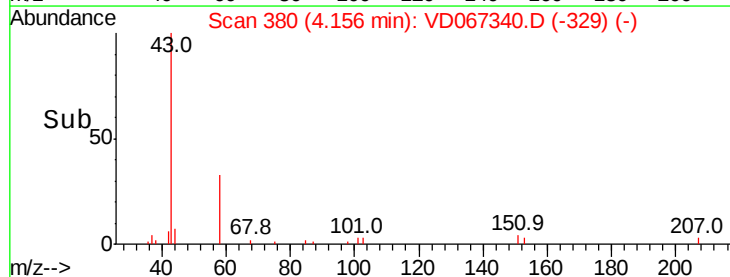
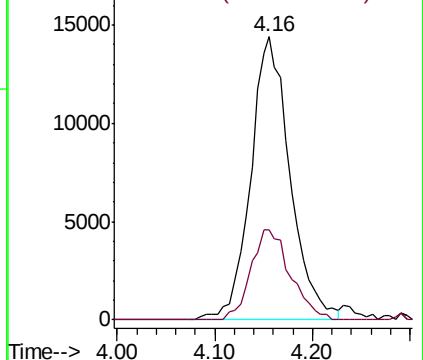
Ion Ratio Lower Upper

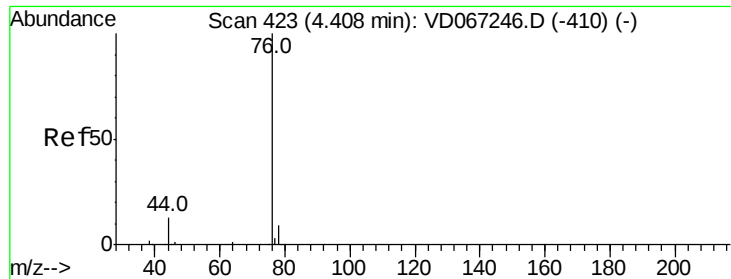
43 100

58 31.9 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

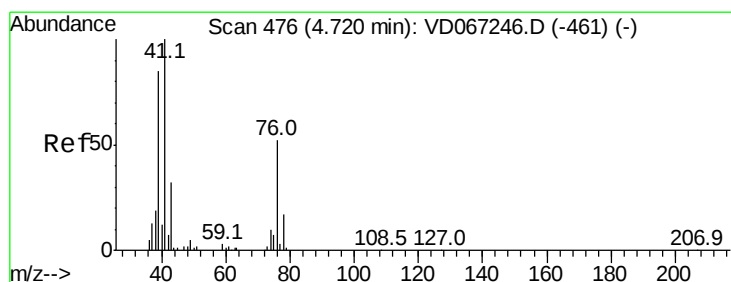
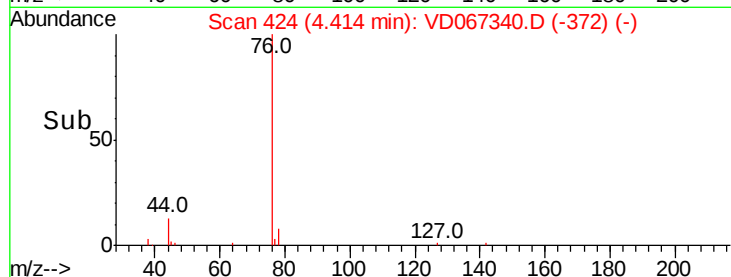
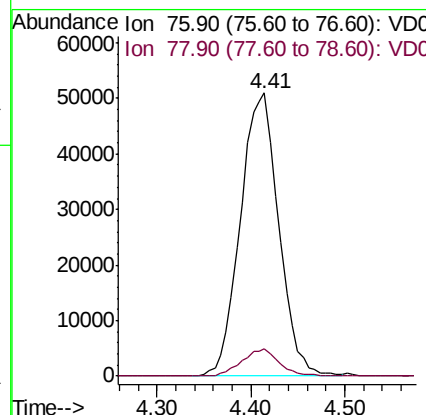
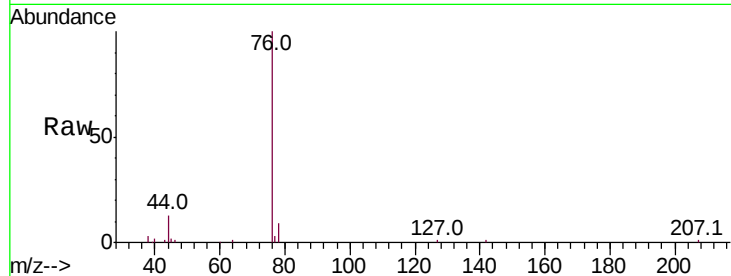




#17
Carbon Disulfide
Concen: 19.818 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

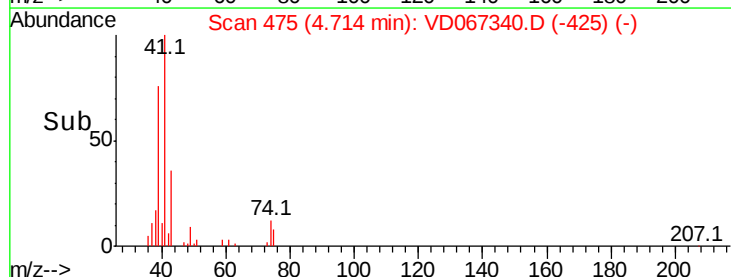
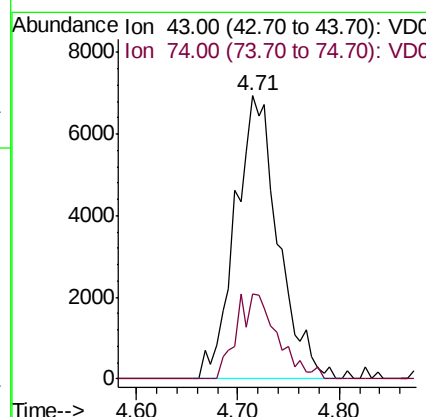
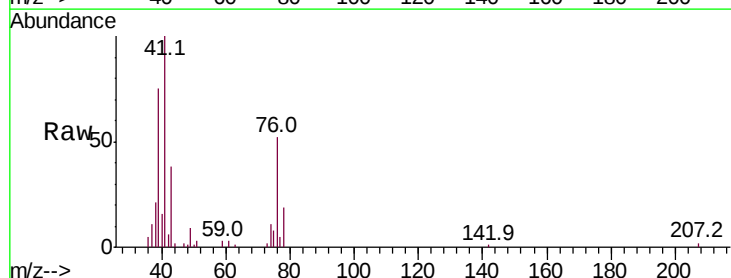
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBSD01

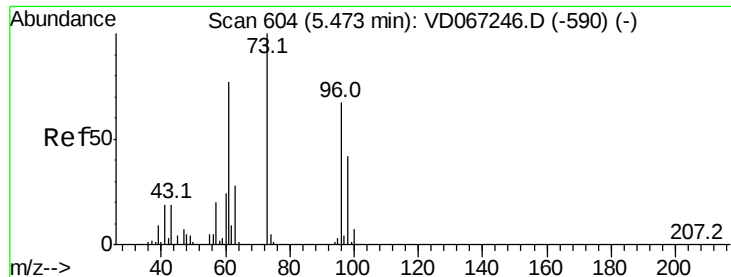
Tot Ion: 76 Resp: 144096
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0



#18
Methyl Acetate
Concen: 20.730 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion: 43 Resp: 20501
Ion Ratio Lower Upper
43 100
74 28.5 26.6 39.8

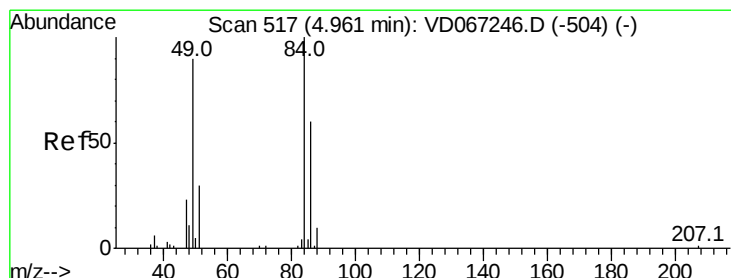
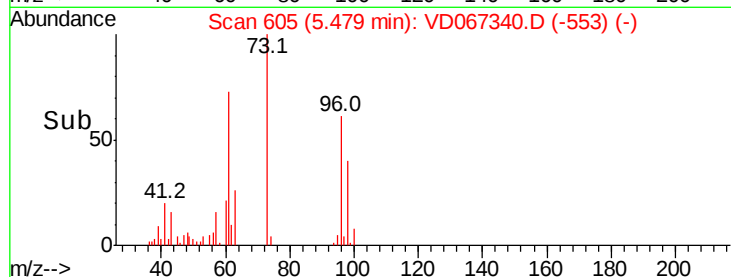
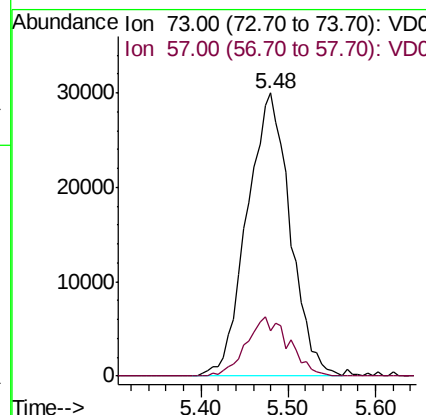
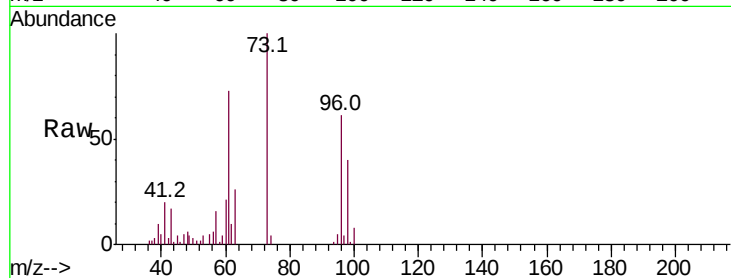




#19
Methyl tert-butyl Ether
Concen: 19.903 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

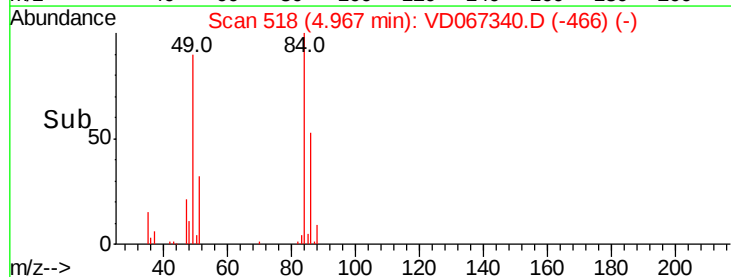
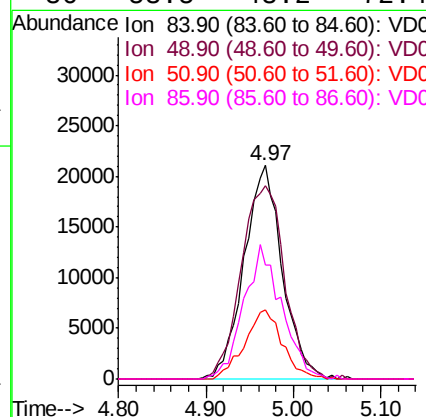
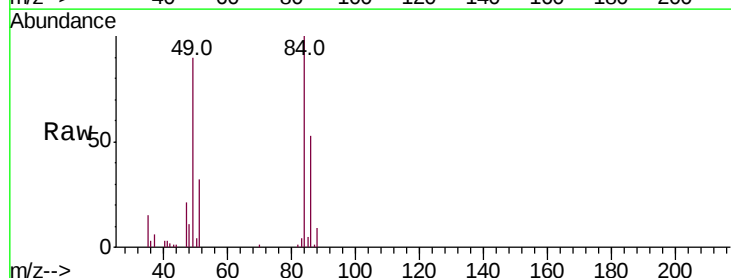
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

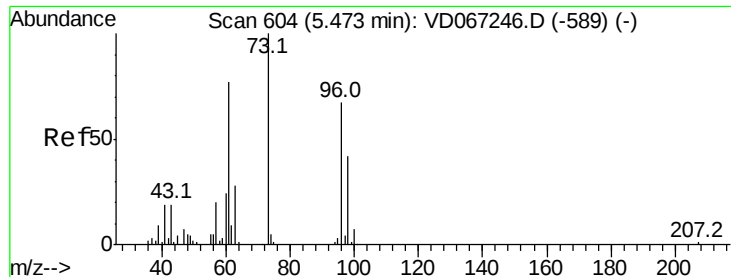
Tot Ion: 73 Resp: 100935
Ion Ratio Lower Upper
73 100
57 15.8 15.7 23.5



#20
Methylene Chloride
Concen: 19.882 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion: 84 Resp: 62728
Ion Ratio Lower Upper
84 100
49 90.2 72.2 108.2
51 32.4 23.8 35.8
86 53.5 48.2 72.4

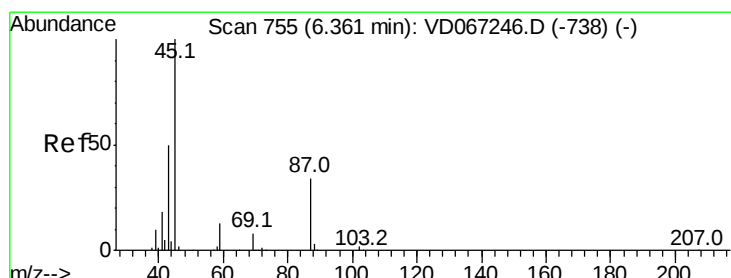
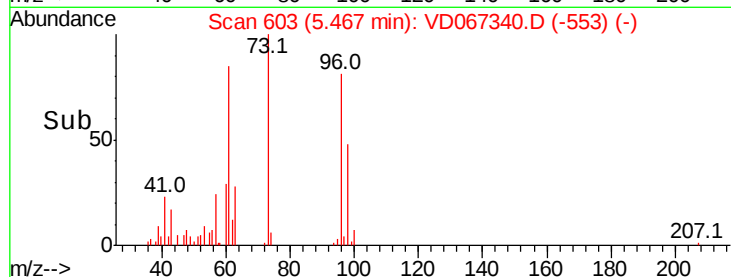
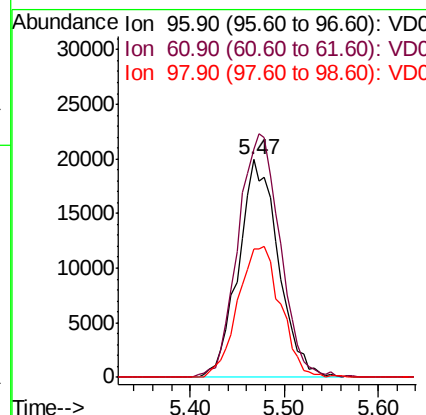
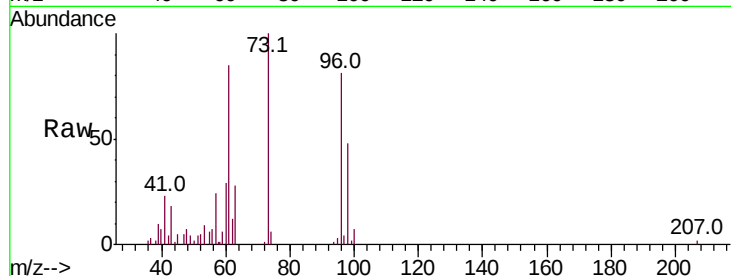




#21
trans-1,2-Dichloroethene
Concen: 20.006 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

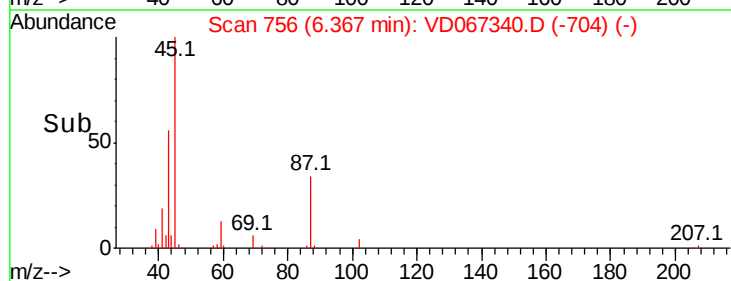
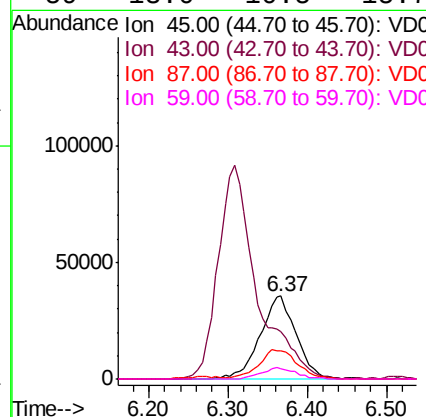
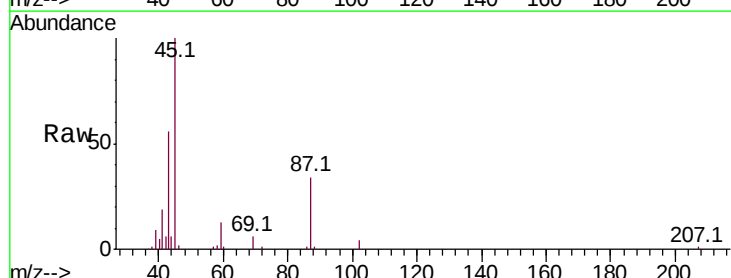
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBSD01

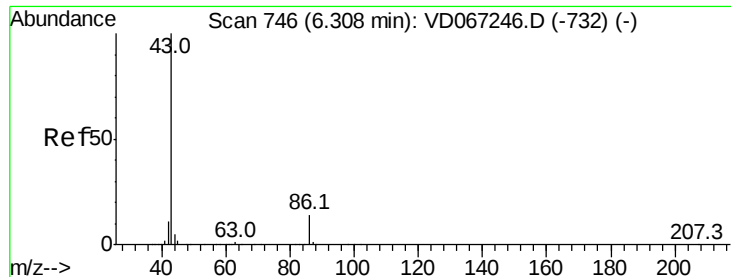
Tot Ion: 96 Resp: 58717
Ion Ratio Lower Upper
96 100
61 104.9 92.0 138.0
98 58.9 49.8 74.8



#22
Diisopropyl ether
Concen: 20.972 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion: 45 Resp: 111897
Ion Ratio Lower Upper
45 100
43 55.7 48.0 72.0
87 33.6 28.5 42.7
59 13.0 10.5 15.7





#23

Vinyl Acetate

Concen: 102.294 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

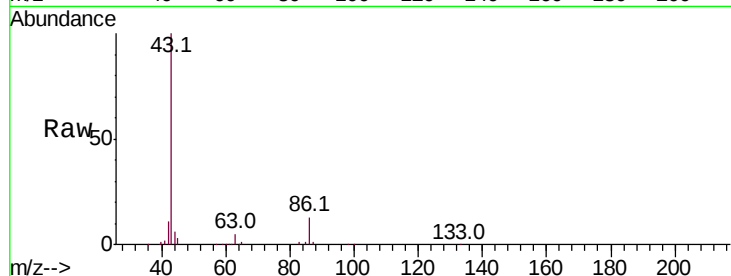
VD1021SBS01

Tot Ion: 43 Resp: 310511

Ion Ratio Lower Upper

43 100

86 13.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

60000

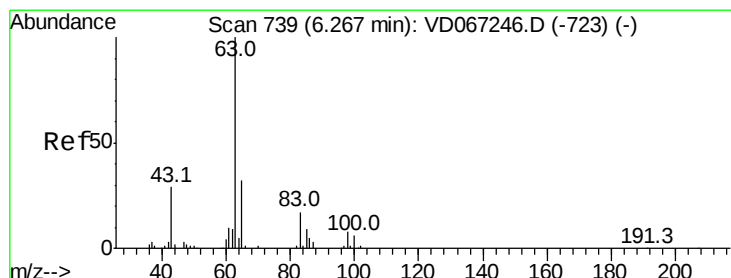
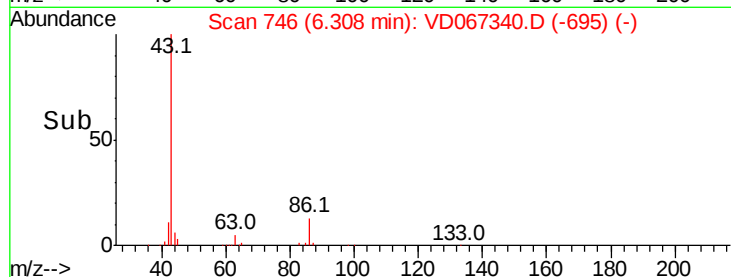
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.334 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

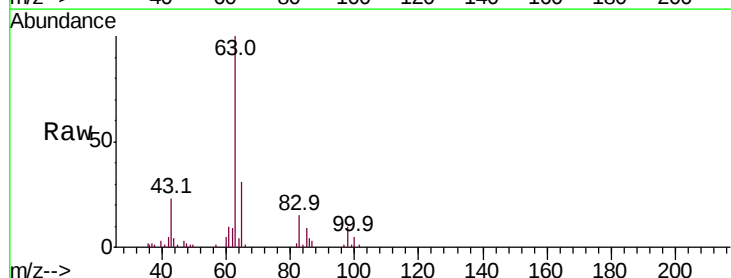
Tgt Ion: 63 Resp: 92872

Ion Ratio Lower Upper

63 100

98 9.6 4.0 12.2

100 4.7 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

40000

30000

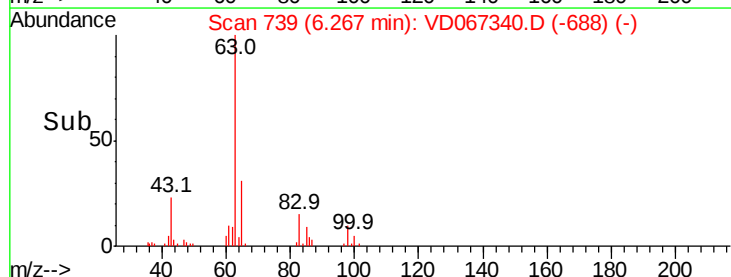
20000

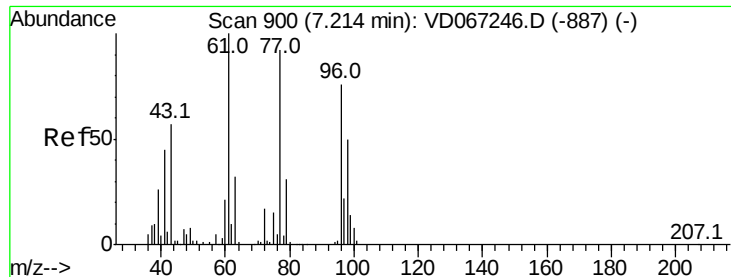
10000

0

Time-->

6.20 6.30 6.40

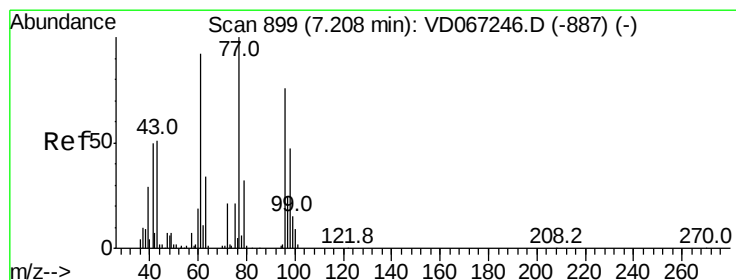
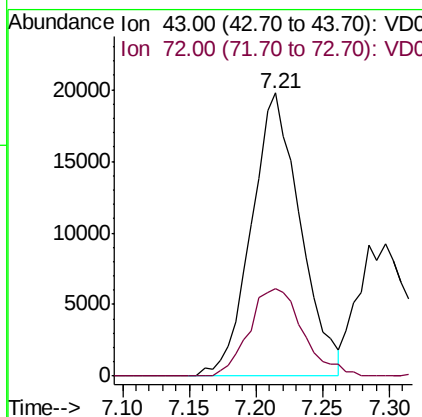
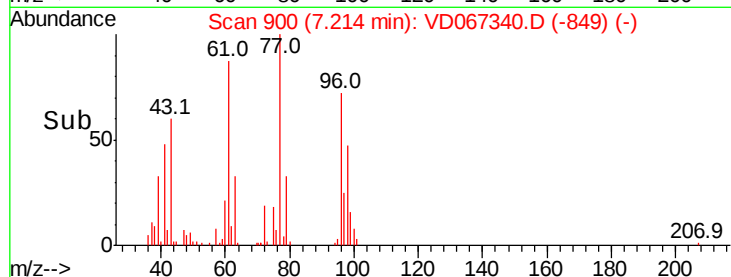
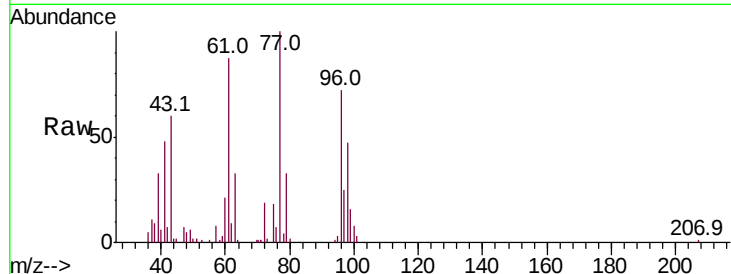




#25
2-Butanone
Concen: 101.760 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

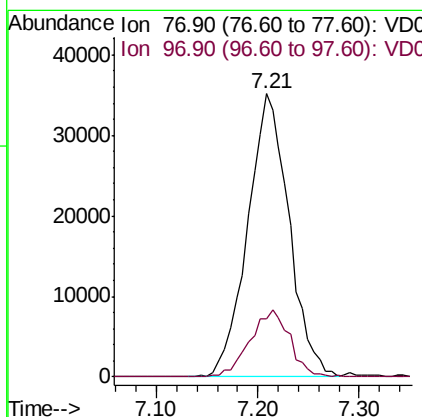
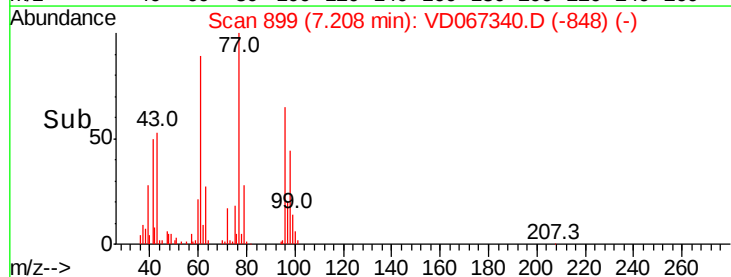
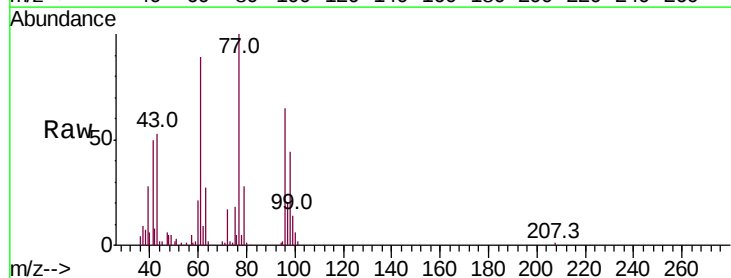
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBSD01

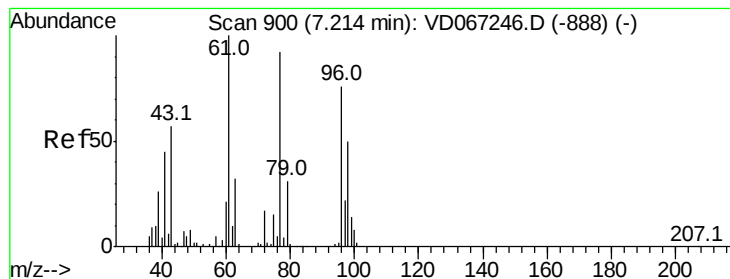
Tot Ion: 43 Resp: 50295
Ion Ratio Lower Upper
43 100
72 31.1 23.7 35.5



#26
2,2-Dichloropropane
Concen: 21.088 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion: 77 Resp: 99273
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2



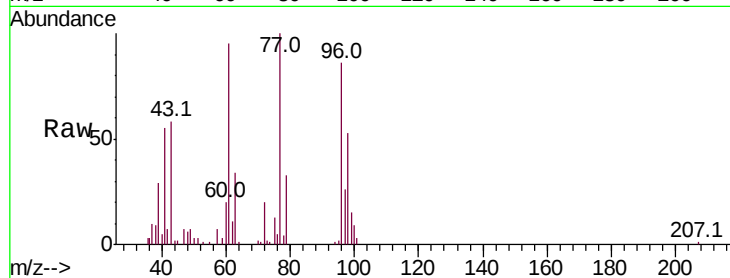


#27

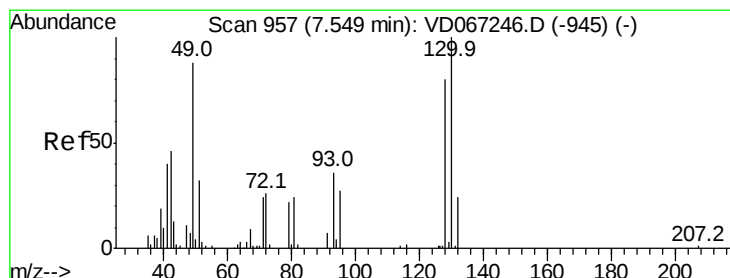
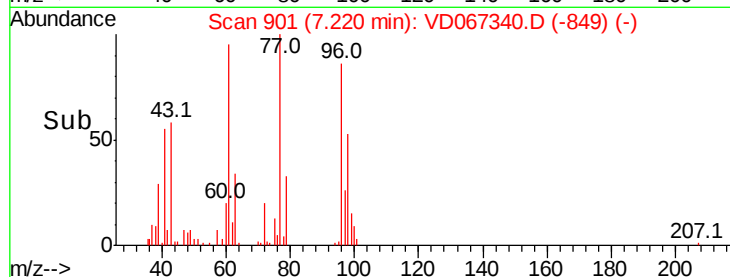
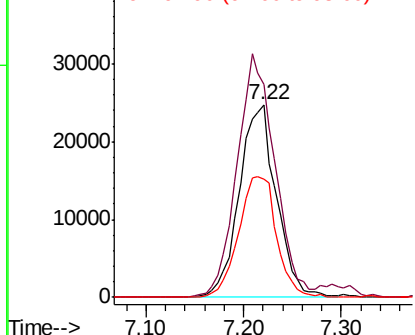
cis-1,2-Dichloroethene
Concen: 20.529 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBSD01

Tot Ion: 96 Resp: 66035
Ion Ratio Lower Upper
96 100
61 128.3 0.0 255.4
98 63.9 0.0 128.0



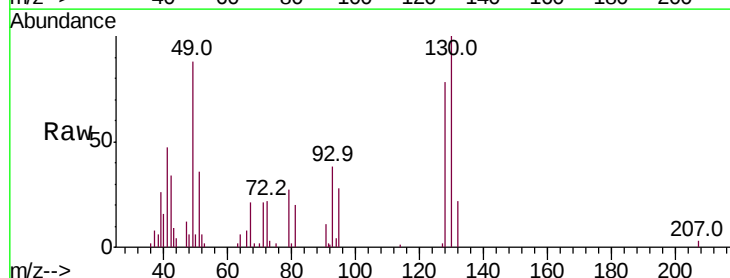
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



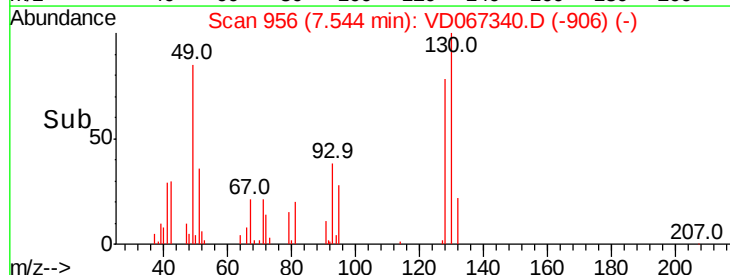
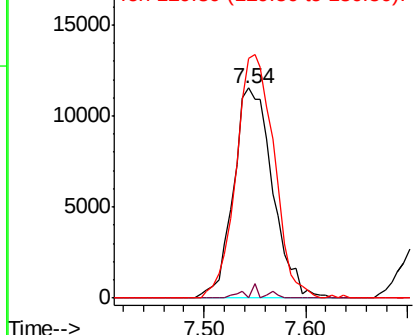
#28

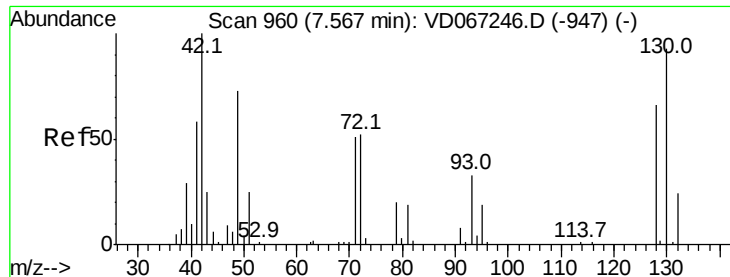
Bromochloromethane
Concen: 19.875 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion: 49 Resp: 30962
Ion Ratio Lower Upper
49 100
129 1.1 0.0 1.6
130 112.1 91.0 136.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

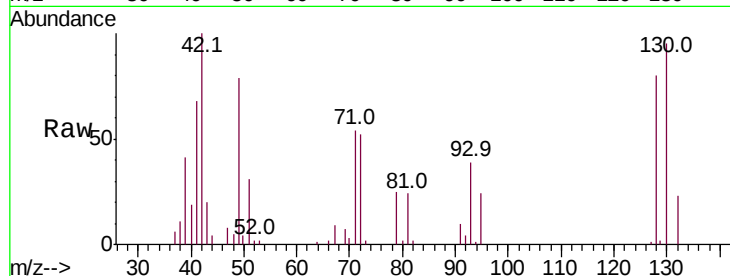




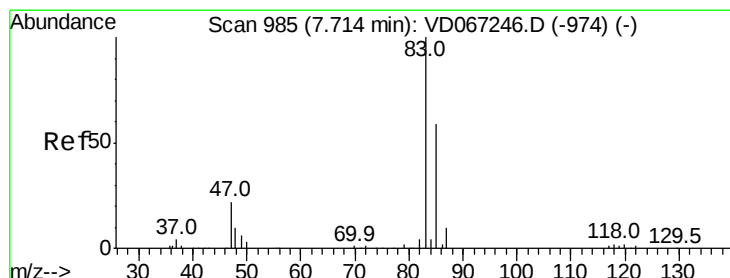
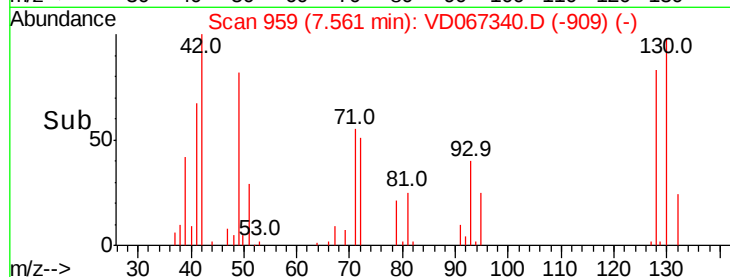
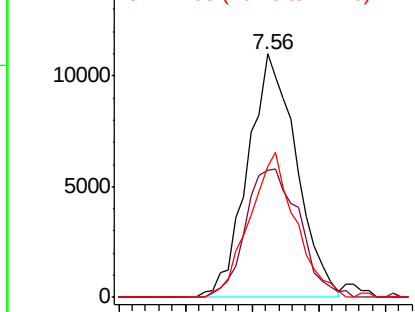
#29
Tetrahydrofuran
Concen: 100.985 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBSD01

Tot Ion: 42 Resp: 27745
Ion Ratio Lower Upper
42 100
72 58.5 43.2 64.8
71 56.1 39.4 59.0

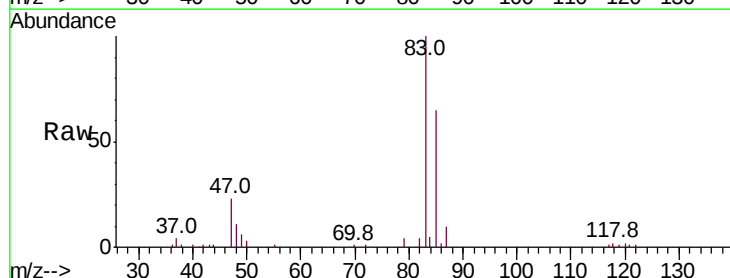


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

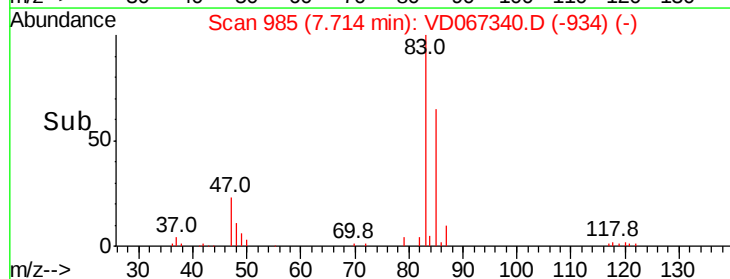
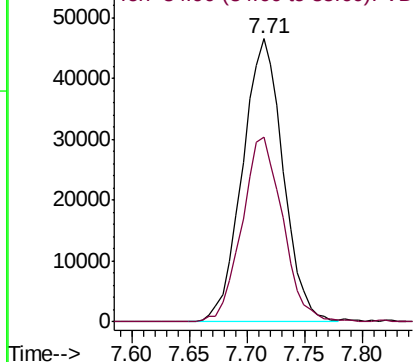


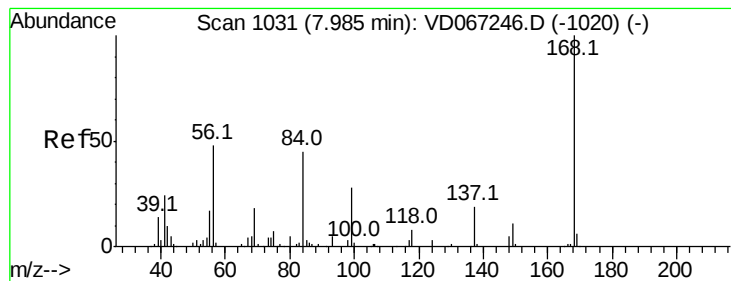
#30
Chloroform
Concen: 20.978 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion: 83 Resp: 114459
Ion Ratio Lower Upper
83 100
85 65.4 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 19.582 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

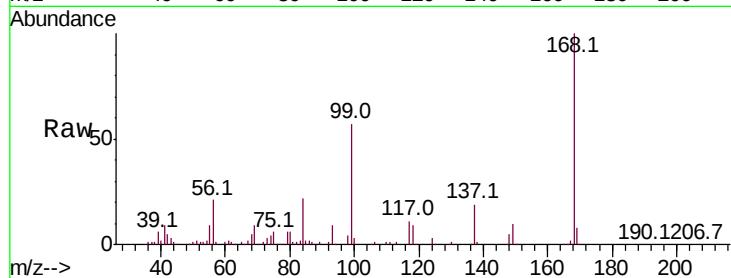
Tot Ion: 56 Resp: 69829

Ion Ratio Lower Upper

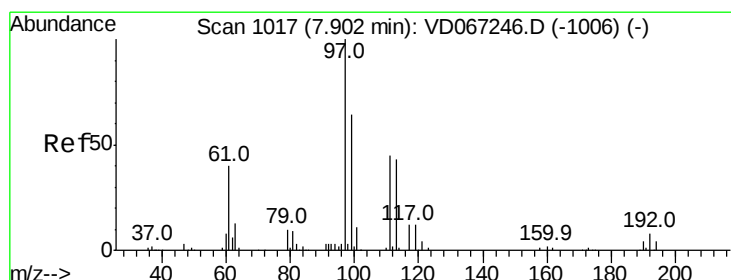
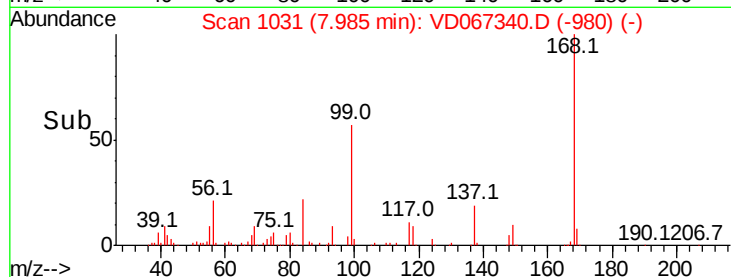
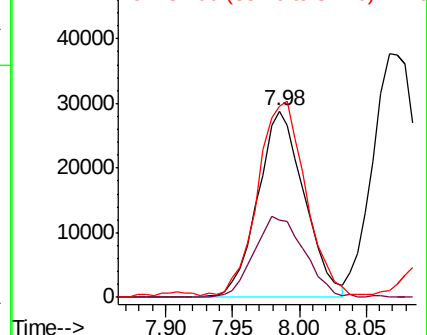
56 100

69 41.3 29.8 44.6

84 100.3 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.531 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

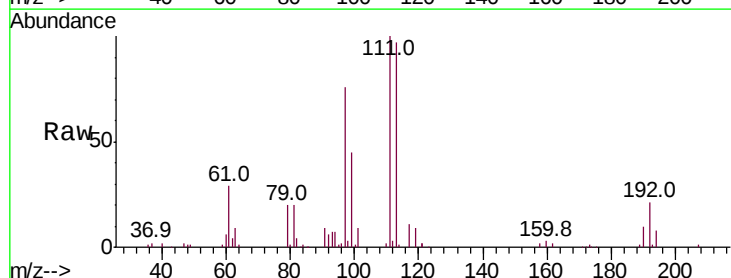
Tgt Ion: 97 Resp: 109906

Ion Ratio Lower Upper

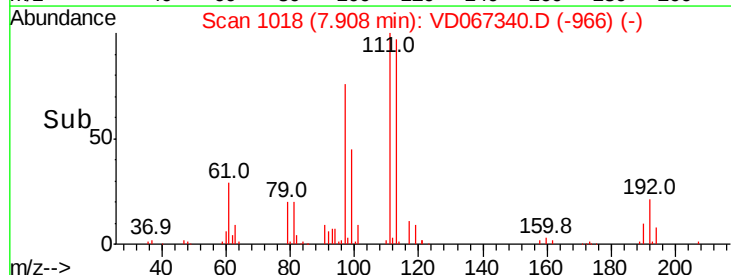
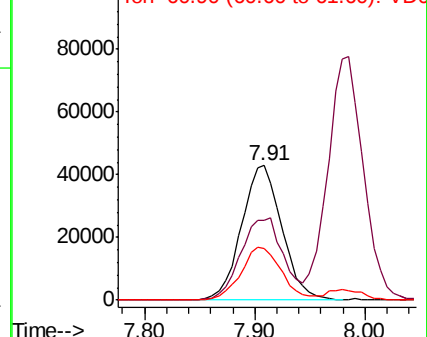
97 100

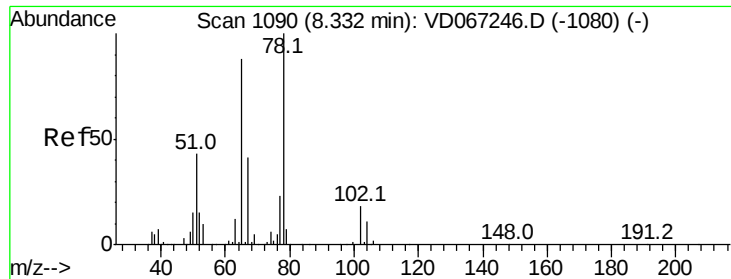
99 65.0 50.2 75.4

61 38.9 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

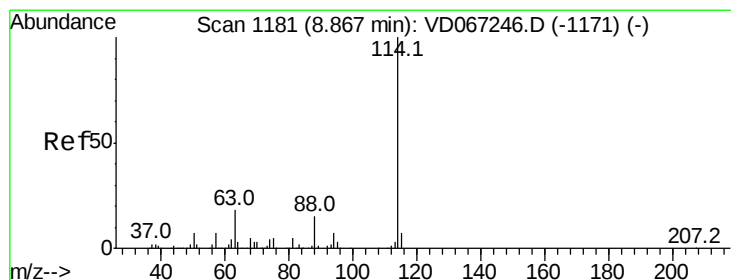
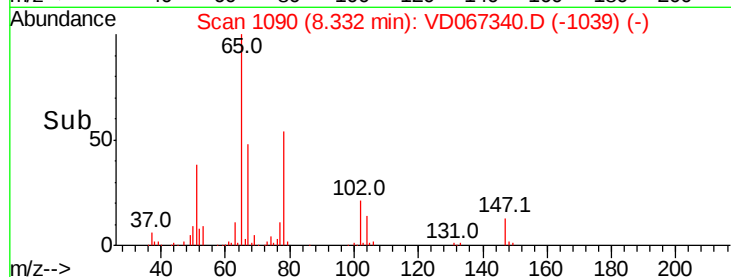
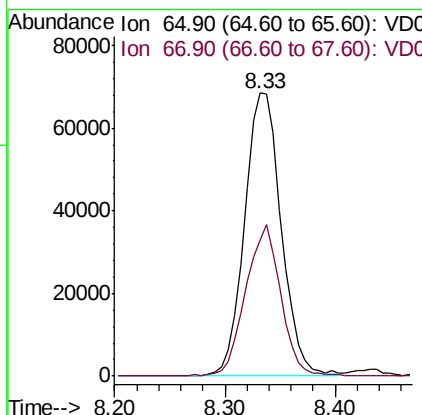
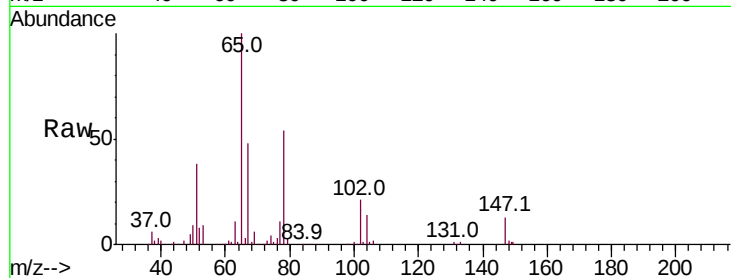




#33
 1,2-Dichloroethane-d4
 Concen: 51.808 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

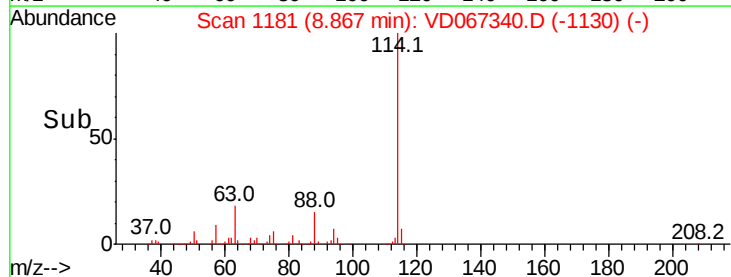
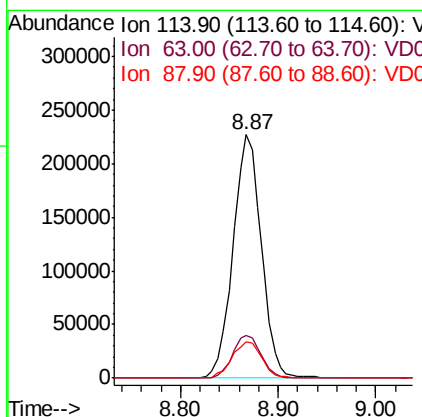
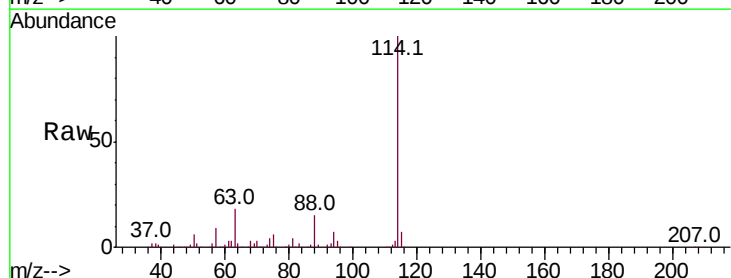
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBSD01

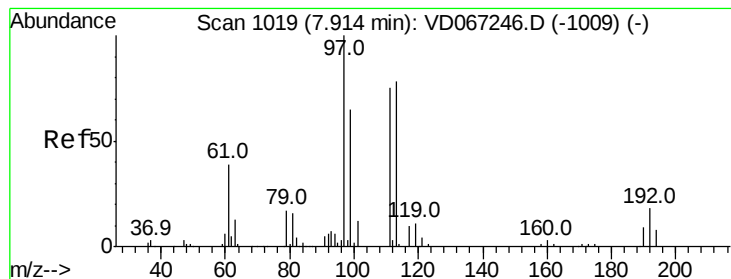
Tot Ion: 65 Resp: 160395
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

Tgt Ion: 114 Resp: 456447
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.0
 88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.028 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBSD01

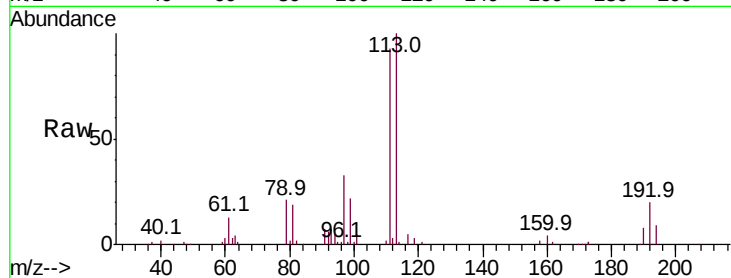
Tot Ion:113 Resp: 164118

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

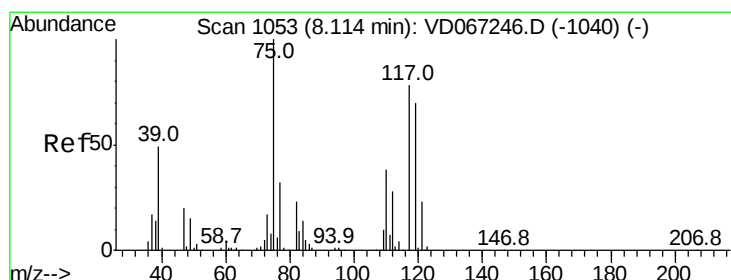
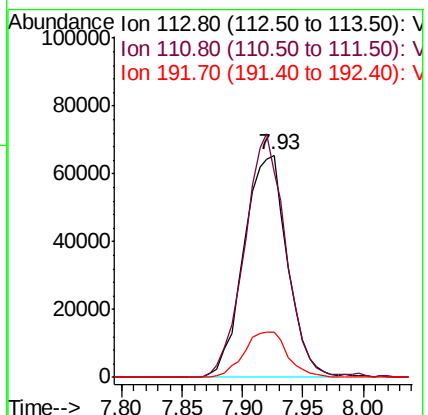
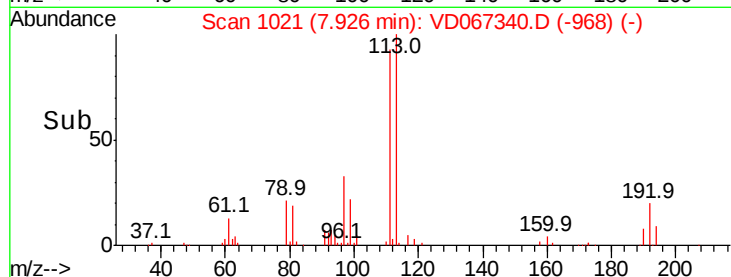
192 20.4 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.775 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

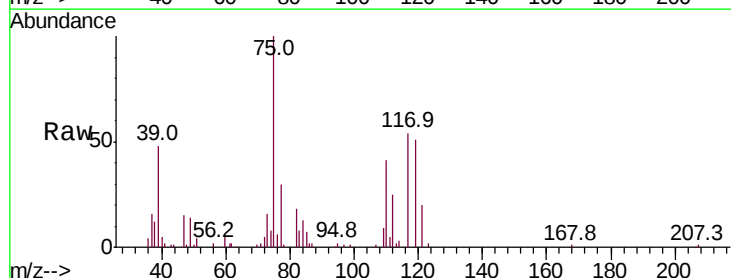
Tgt Ion: 75 Resp: 80374

Ion Ratio Lower Upper

75 100

110 39.3 19.6 58.7

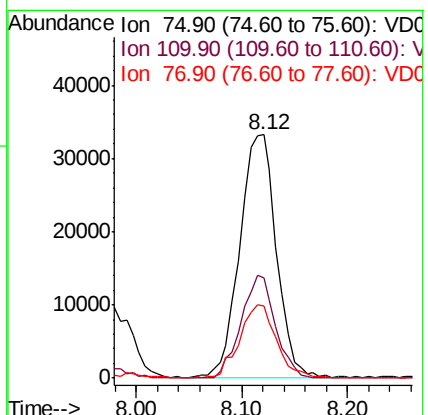
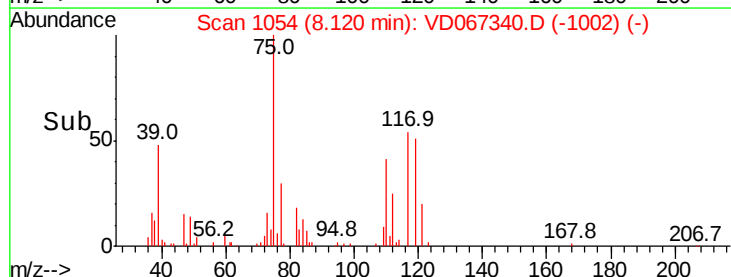
77 30.6 24.6 37.0

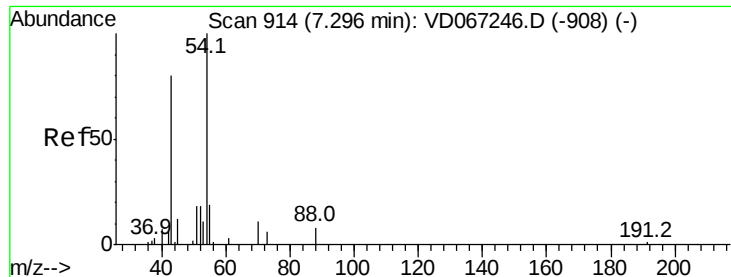


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 21.947 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

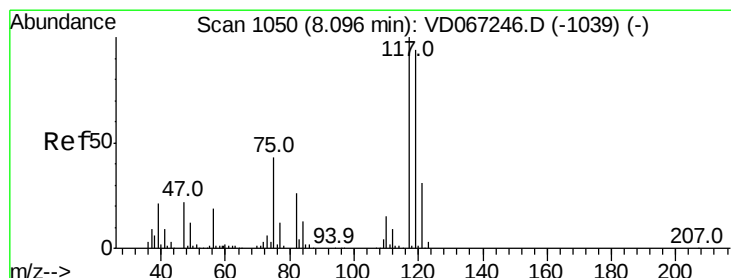
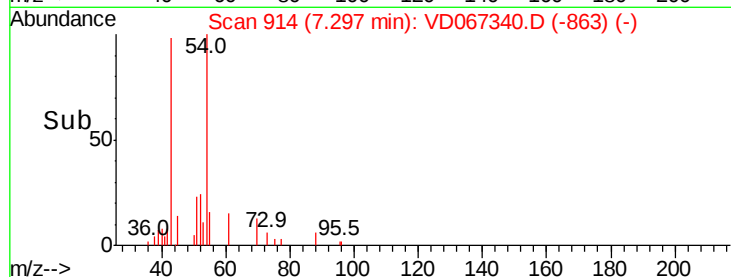
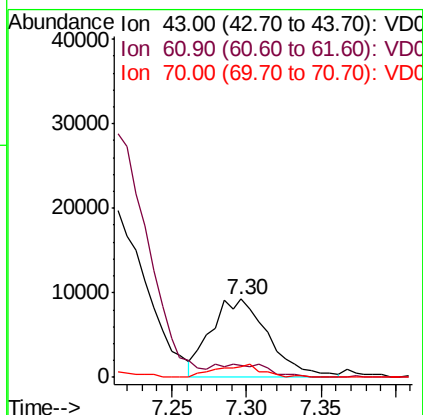
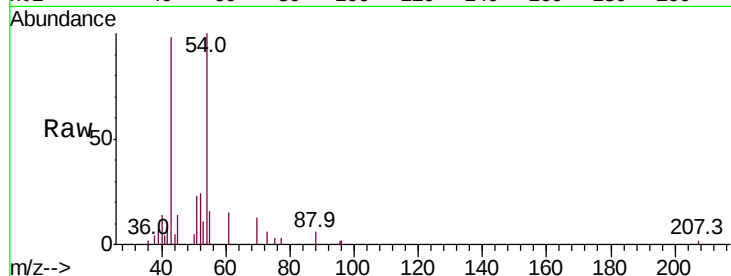
Tot Ion: 43 Resp: 24981

Ion Ratio Lower Upper

43 100

61 15.5 15.6 23.4#

70 12.9 10.4 15.6



#38

Carbon Tetrachloride

Concen: 21.068 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

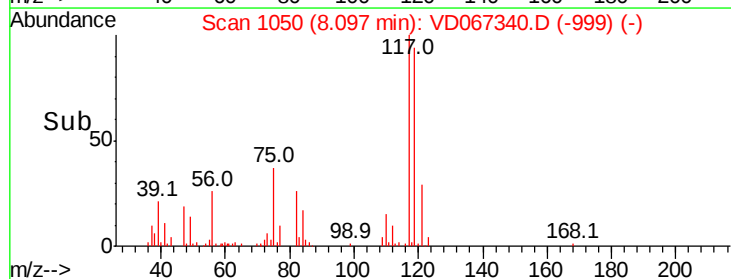
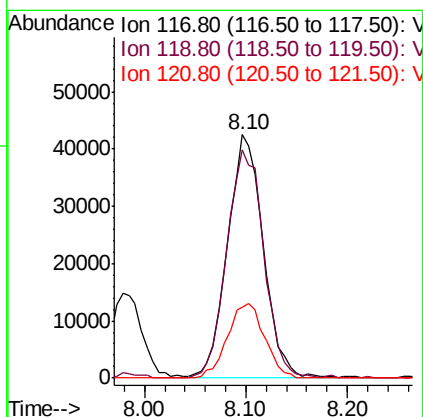
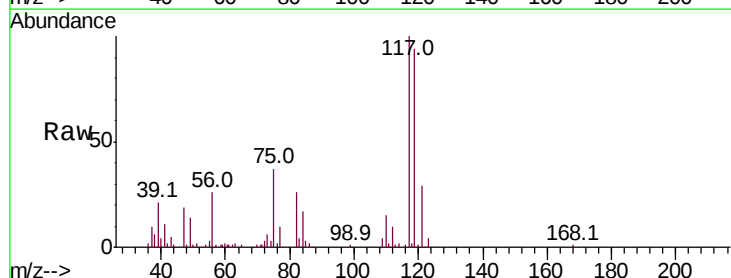
Tgt Ion: 117 Resp: 104173

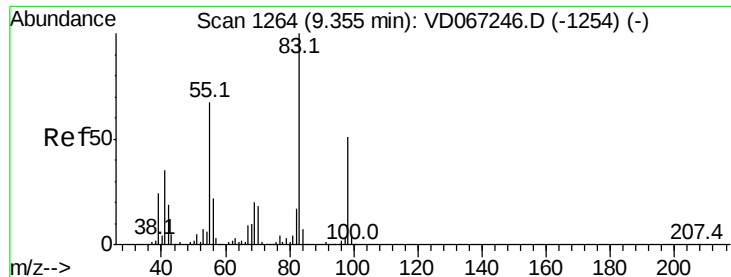
Ion Ratio Lower Upper

117 100

119 93.8 75.0 112.4

121 28.9 24.9 37.3

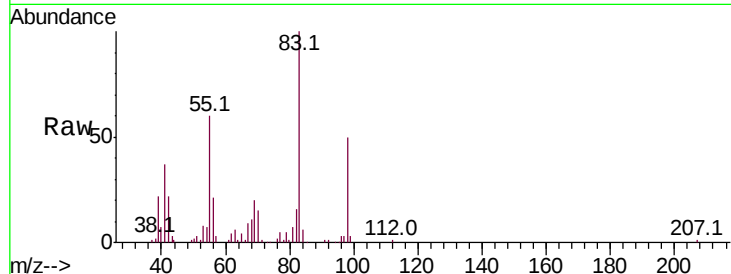




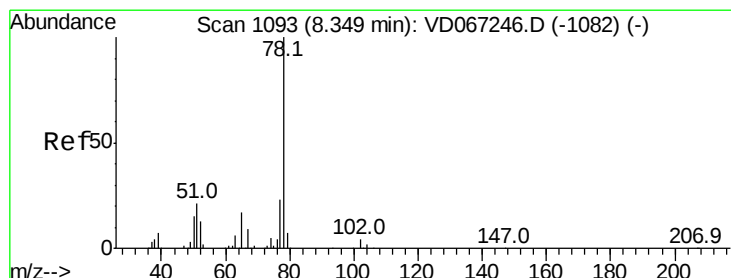
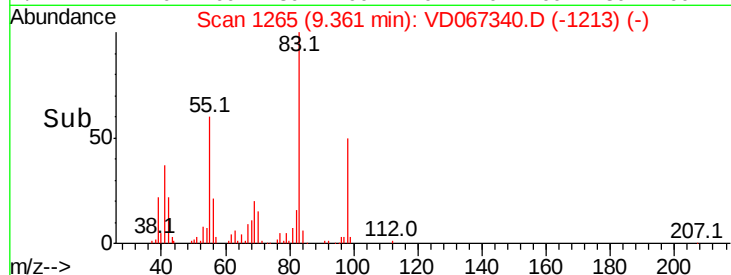
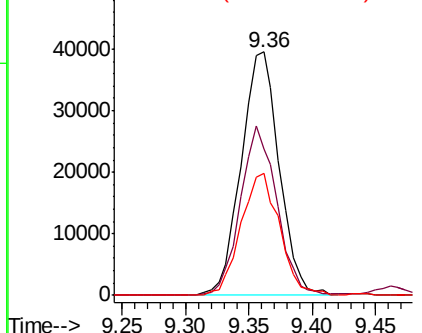
#39
Methvlcvclohexane
Concen: 20.408 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBSD01

Tot Ion	83	Resp	82539
Ion Ratio	Lower	Upper	
83	100		
55	60.3	53.3	79.9
98	50.3	41.0	61.4

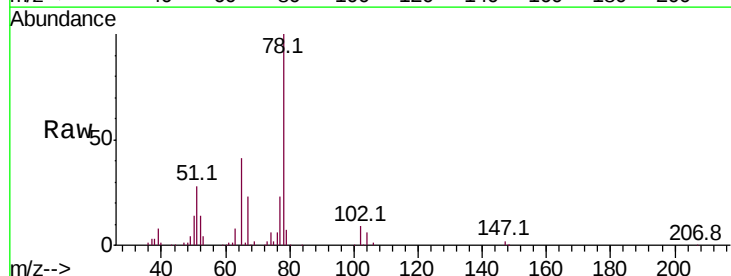


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

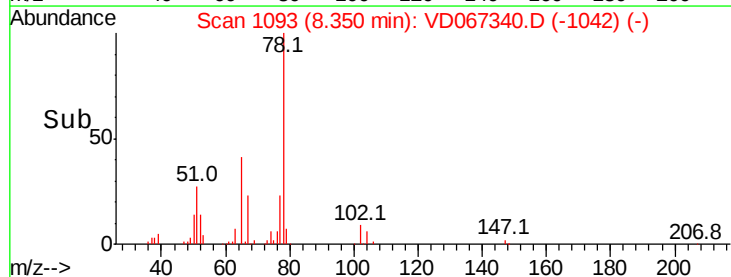
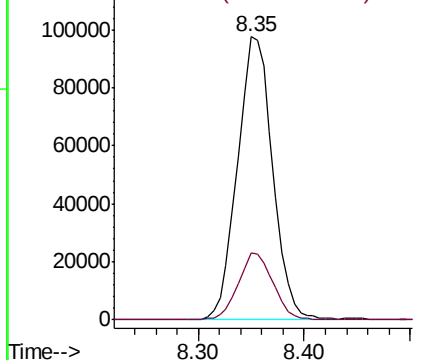


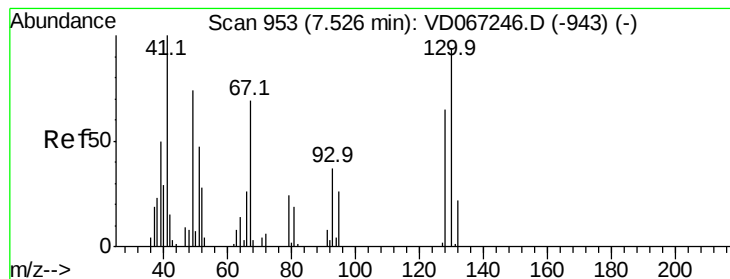
#40
Benzene
Concen: 21.274 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion	78	Resp	225791
Ion Ratio	Lower	Upper	
78	100		
77	23.3	18.3	27.5



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 17.451 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion: 41 Resp: 10734

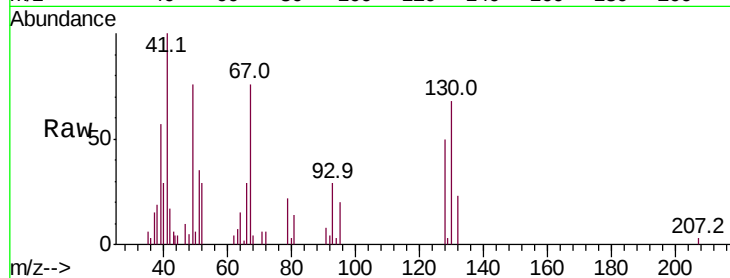
Ion Ratio Lower Upper

41 100

39 57.5 60.0 90.0#

67 125.0 88.9 133.3

52 48.9 36.9 55.3

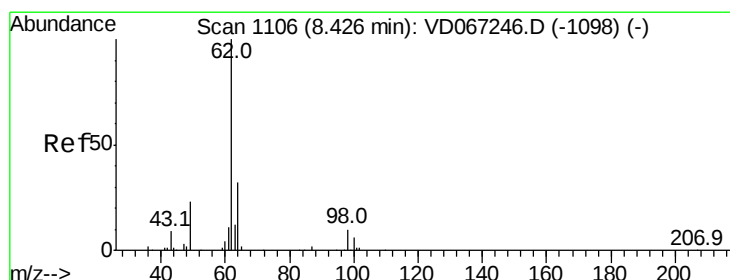
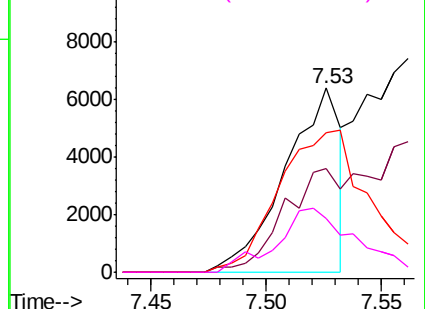
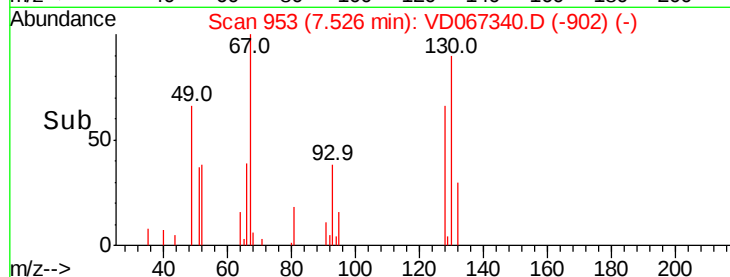


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.089 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067340.D

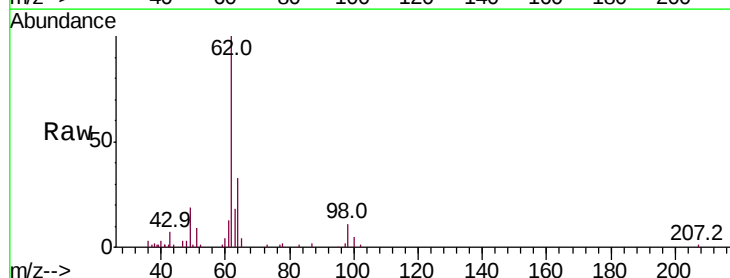
Acq: 21 Oct 2020 11:47

Tgt Ion: 62 Resp: 70045

Ion Ratio Lower Upper

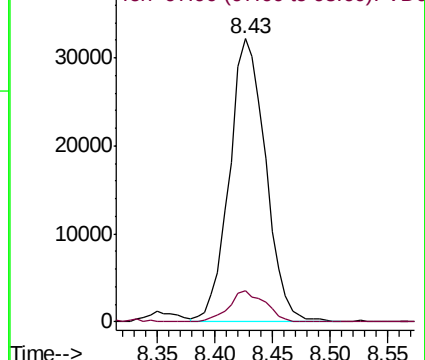
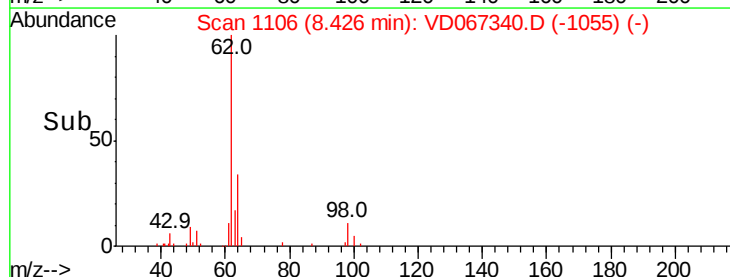
62 100

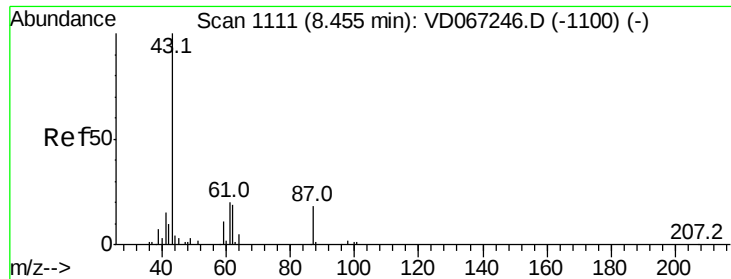
98 10.9 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.888 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

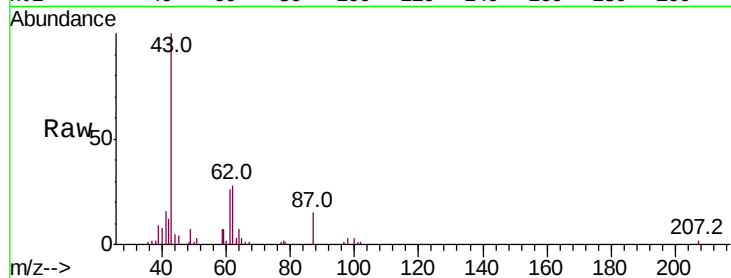
Tot Ion: 43 Resp: 47177

Ion Ratio Lower Upper

43 100

61 35.7 29.5 44.3

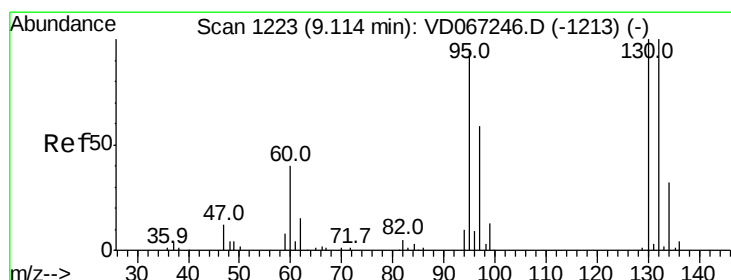
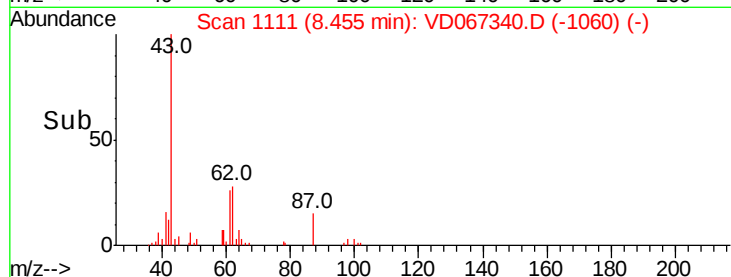
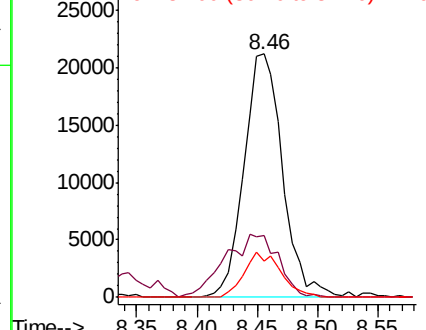
87 17.6 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.458 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067340.D

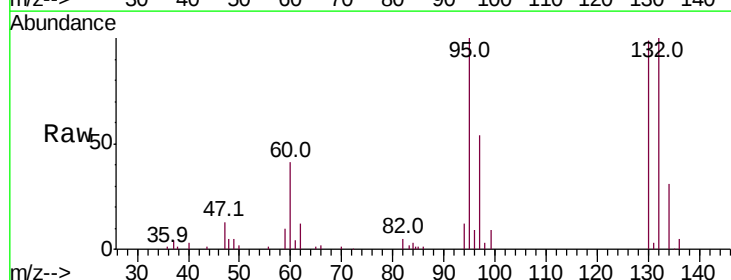
Acq: 21 Oct 2020 11:47

Tgt Ion:130 Resp: 72918

Ion Ratio Lower Upper

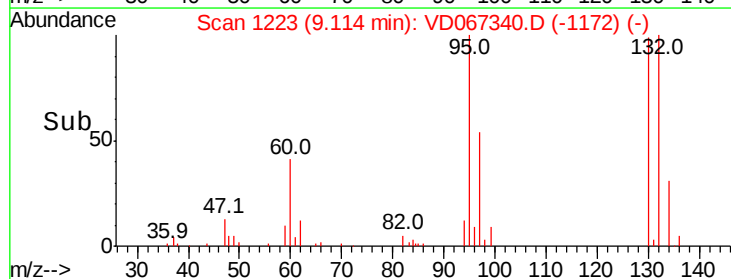
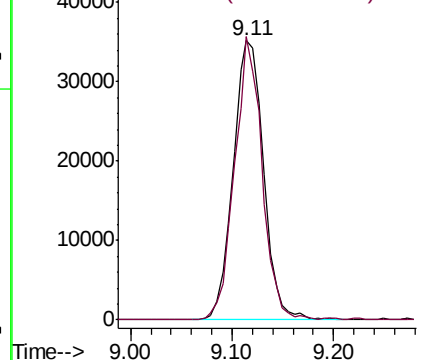
130 100

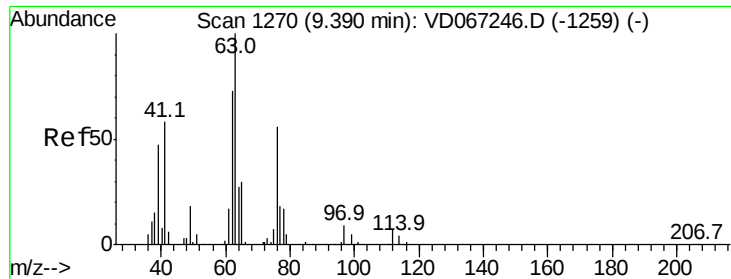
95 101.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.781 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

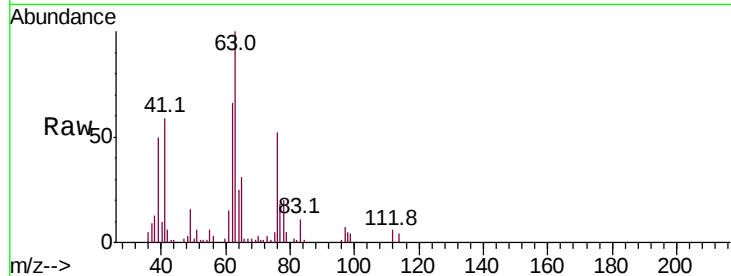
VD1021SBSD01

Tot Ion: 63 Resp: 51115

Ion Ratio Lower Upper

63 100

65 31.2 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

25000

20000

15000

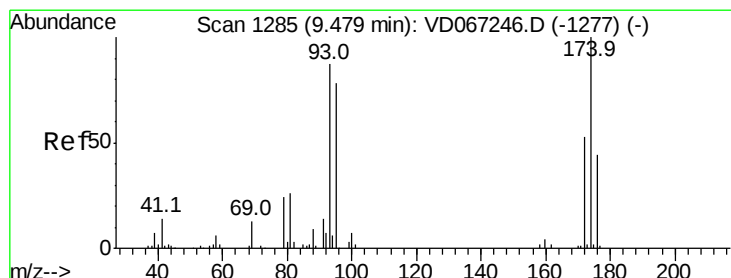
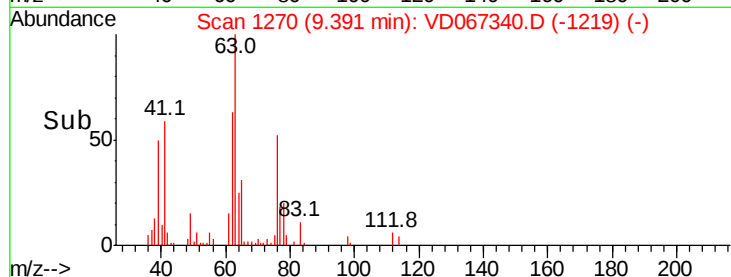
10000

5000

0

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 21.014 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

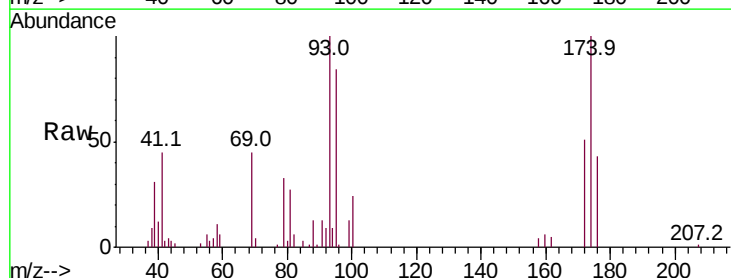
Tgt Ion: 93 Resp: 32205

Ion Ratio Lower Upper

93 100

95 83.3 68.0 102.0

174 109.5 91.8 137.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

20000

15000

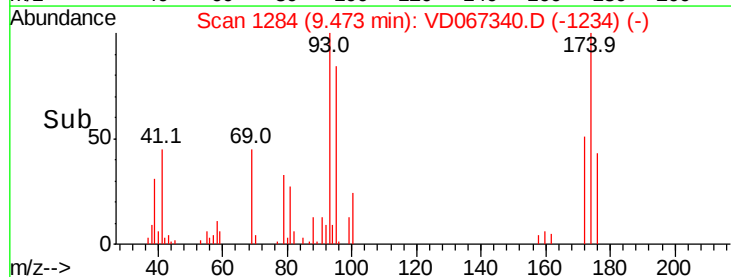
10000

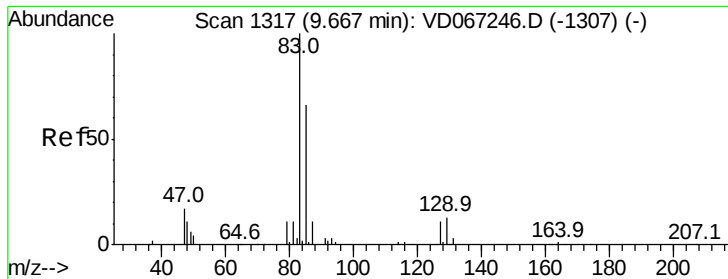
5000

0

9.40 9.45 9.50 9.55

Time-->

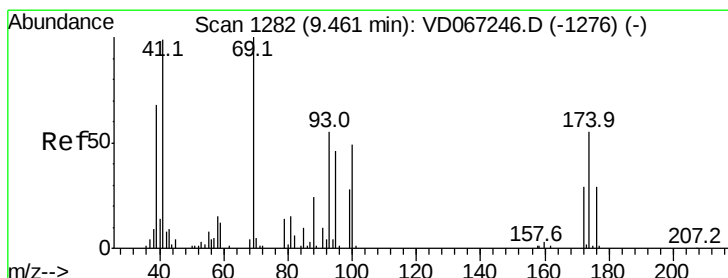
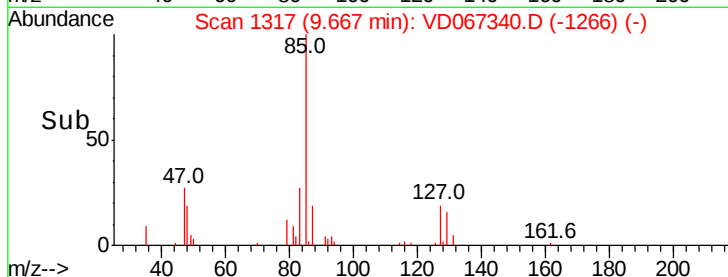
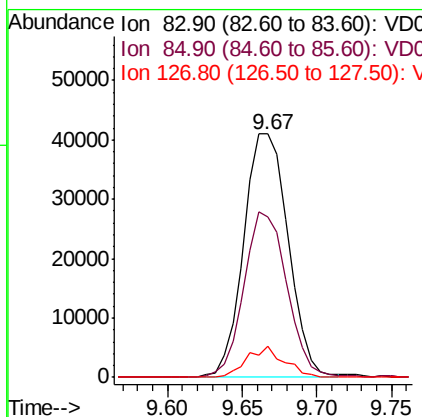
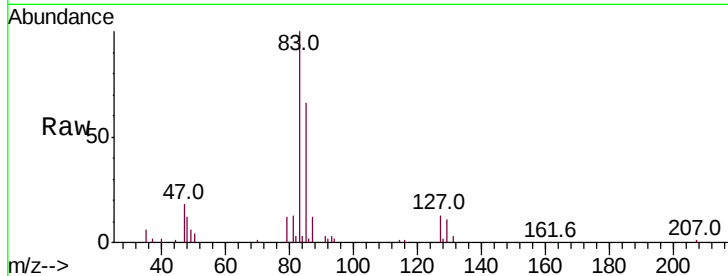




#47
 Bromodichloromethane
 Concen: 20.597 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

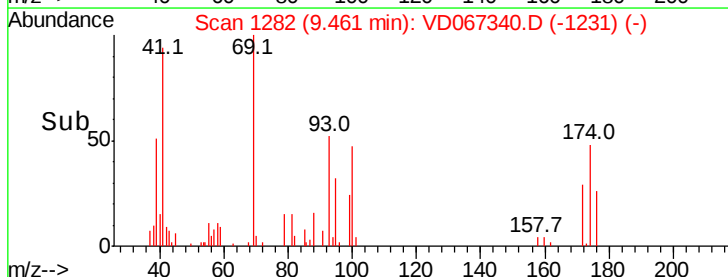
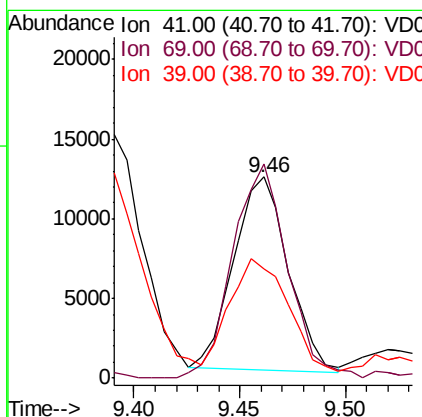
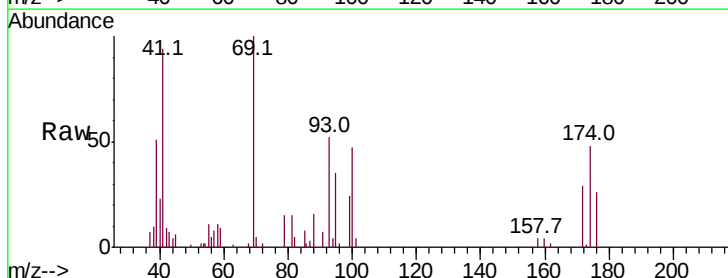
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBSD01

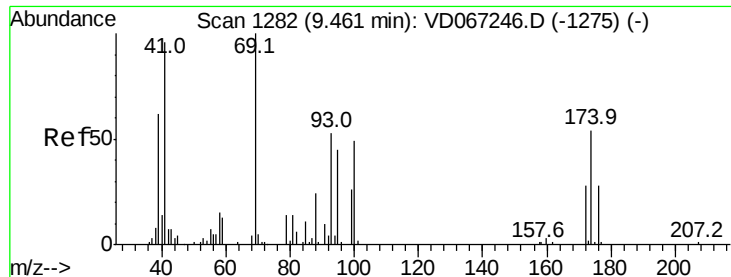
Tot Ion: 83 Resp: 84571
 Ion Ratio Lower Upper
 83 100
 85 66.1 53.1 79.7
 127 12.6 8.6 13.0



#48
 Methyl methacrylate
 Concen: 19.806 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

Tgt Ion: 41 Resp: 21739
 Ion Ratio Lower Upper
 41 100
 69 111.9 89.0 133.6
 39 69.4 60.2 90.2





#49

1,4-Dioxane

Concen: 365.539 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

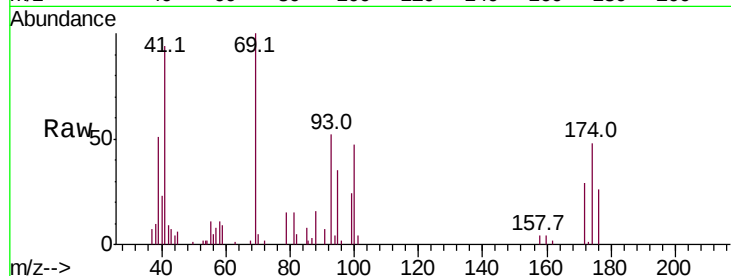
Tot Ion: 88 Resp: 5707

Ion Ratio Lower Upper

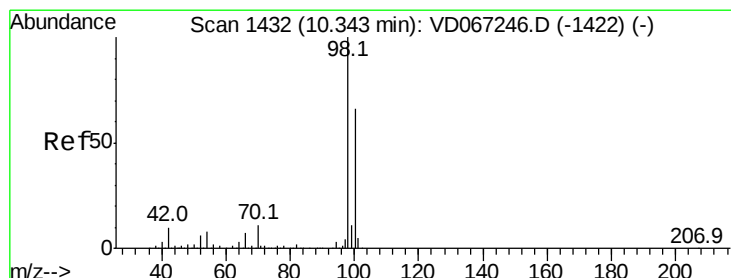
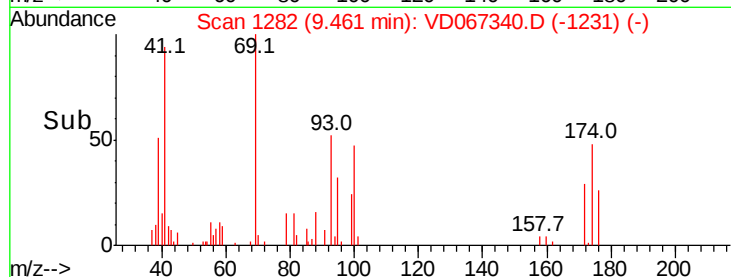
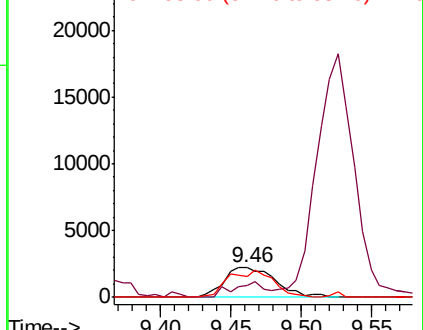
88 100

43 32.0 23.9 35.9

58 80.3 51.0 76.6#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 54.226 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067340.D

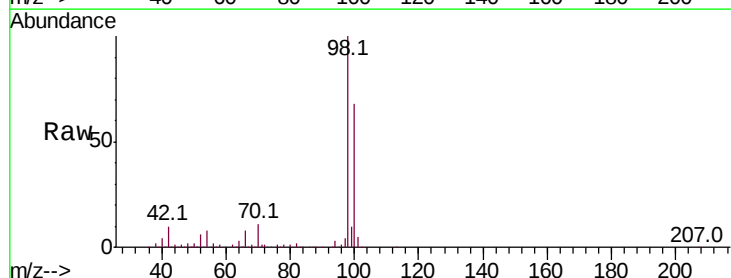
Acq: 21 Oct 2020 11:47

Tgt Ion: 98 Resp: 596106

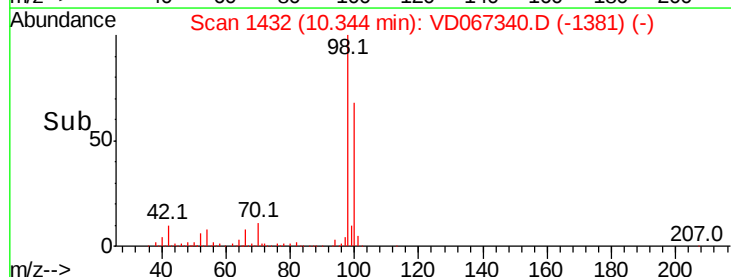
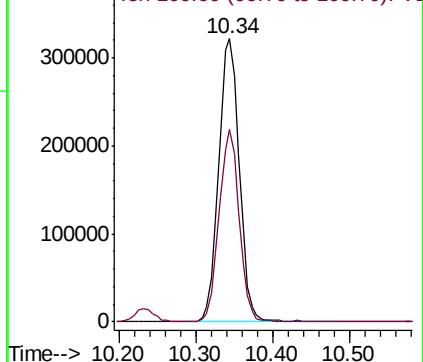
Ion Ratio Lower Upper

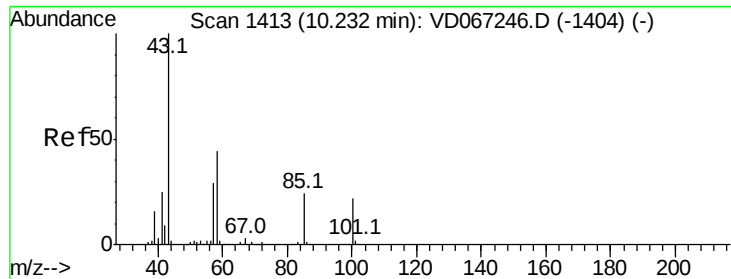
98 100

100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.839 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

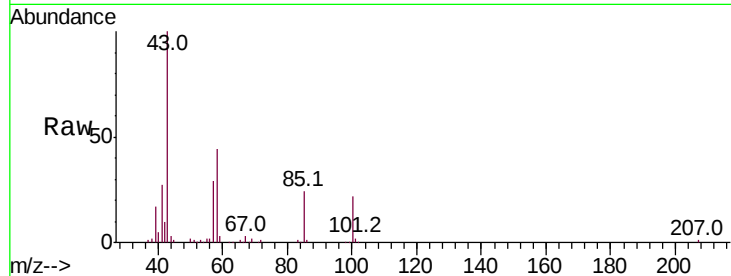
VD1021SBS01

Tot Ion: 43 Resp: 116975

Ion Ratio Lower Upper

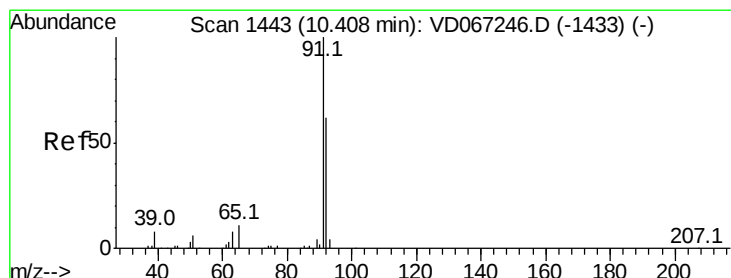
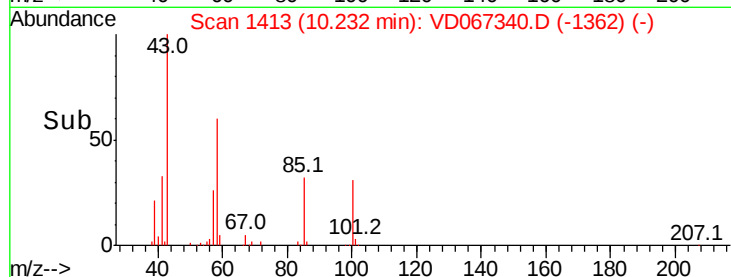
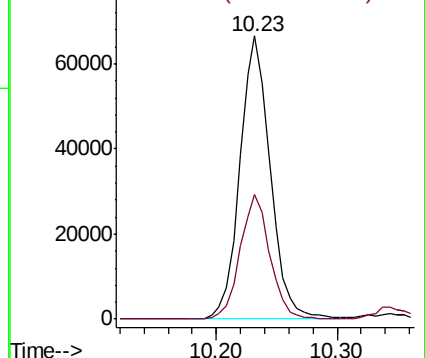
43 100

58 43.1 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.269 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067340.D

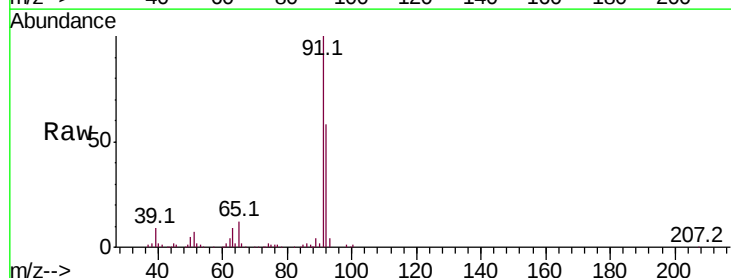
Acq: 21 Oct 2020 11:47

Tgt Ion: 92 Resp: 153745

Ion Ratio Lower Upper

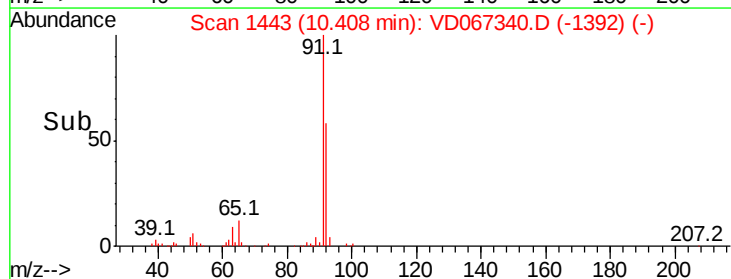
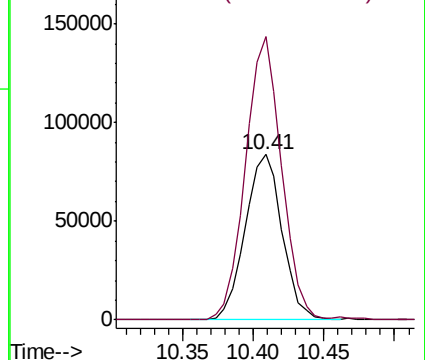
92 100

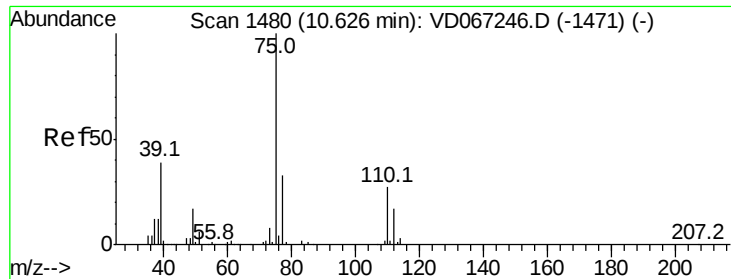
91 168.1 133.8 200.8



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: 21.207 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

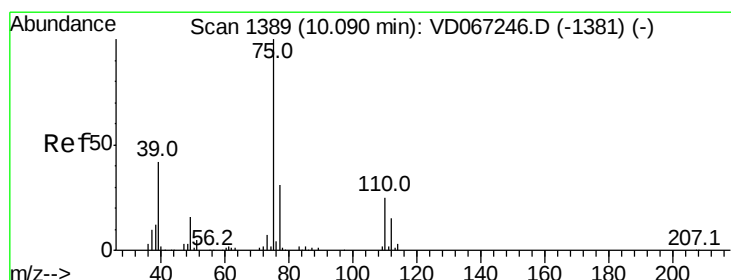
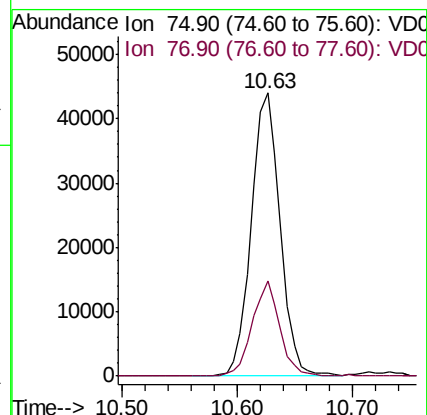
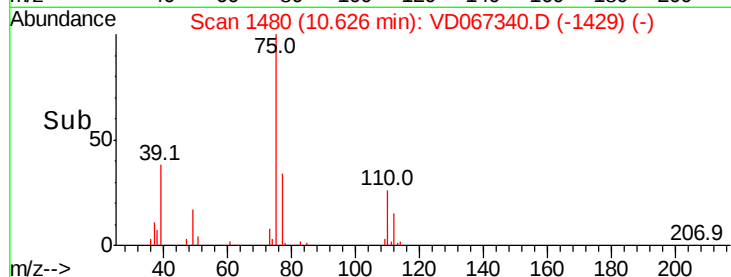
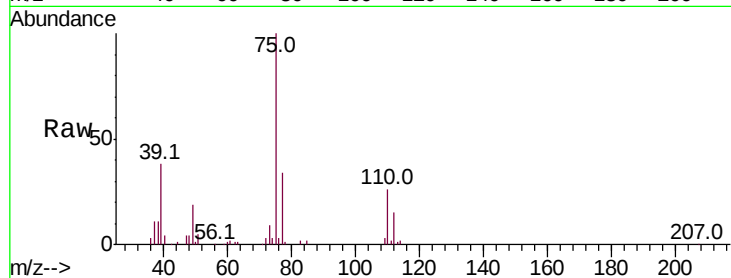
VD1021SBSD01

Tot Ion: 75 Resp: 76491

Ion Ratio Lower Upper

75 100

77 33.6 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 21.309 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

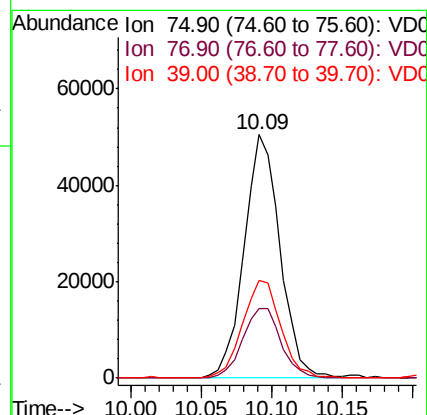
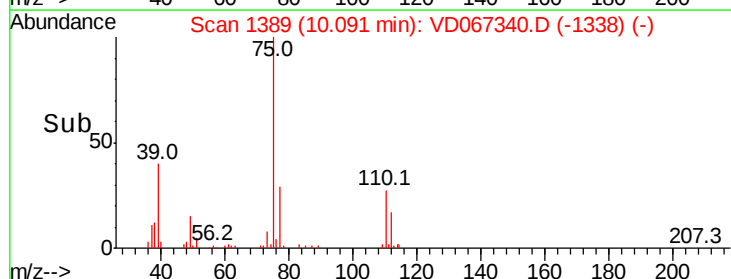
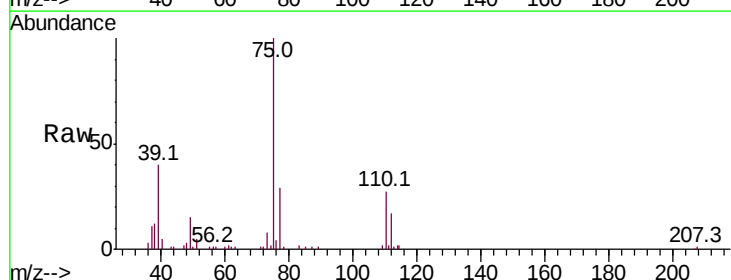
Tgt Ion: 75 Resp: 89952

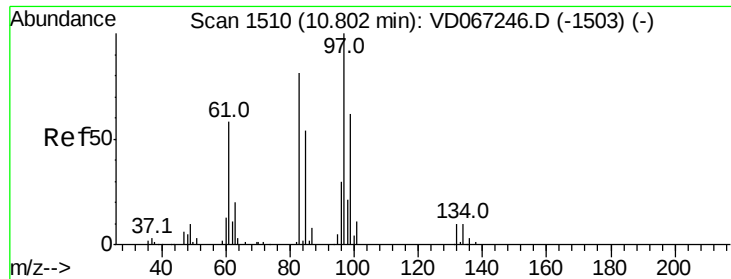
Ion Ratio Lower Upper

75 100

77 28.6 24.5 36.7

39 40.1 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 21.810 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion: 97 Resp: 45579

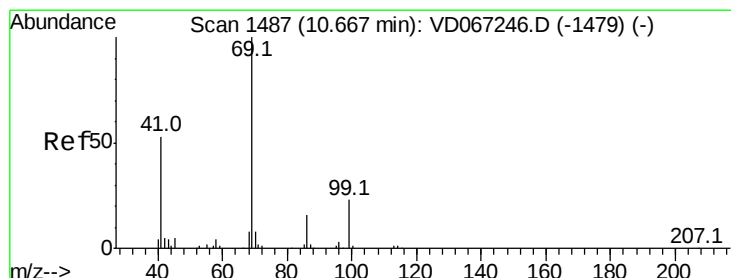
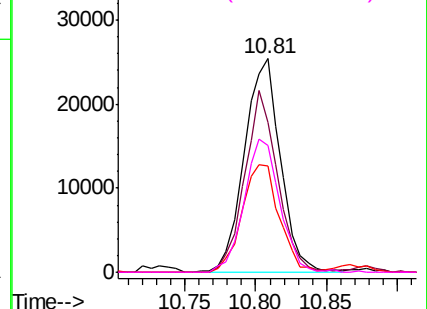
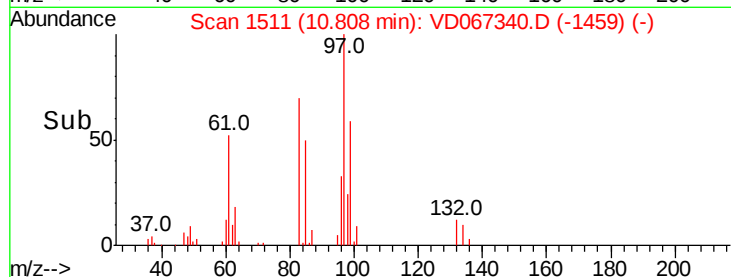
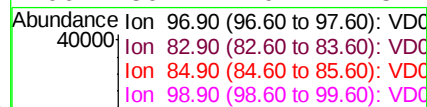
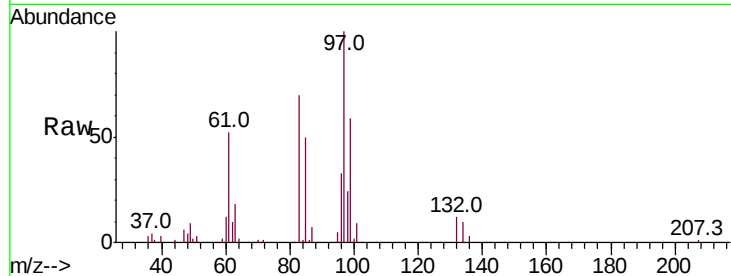
Ion	Ratio	Lower	Upper
97	100		
83	70.3	64.9	97.3
85	49.6	43.3	64.9
99	59.2	49.1	73.7

97 100

83 70.3 64.9 97.3

85 49.6 43.3 64.9

99 59.2 49.1 73.7



#56

Ethyl methacrylate

Concen: 20.685 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

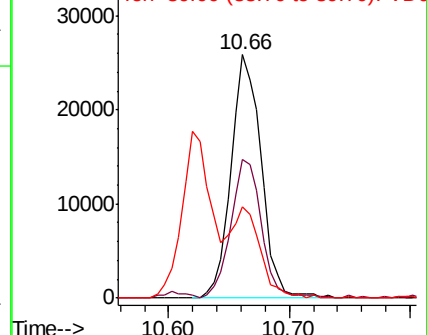
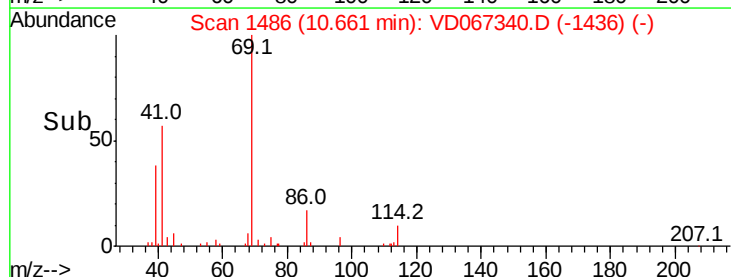
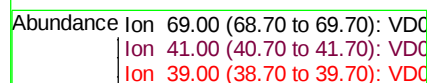
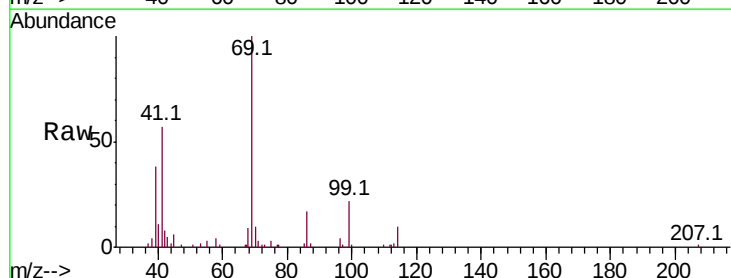
Tgt Ion: 69 Resp: 44831

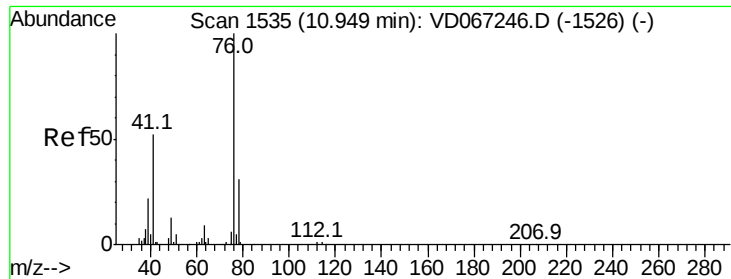
Ion	Ratio	Lower	Upper
69	100		
41	58.1	44.7	67.1
39	32.6	26.2	39.2

69 100

41 58.1 44.7 67.1

39 32.6 26.2 39.2





#57

1,3-Dichloropropane

Concen: 21.465 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

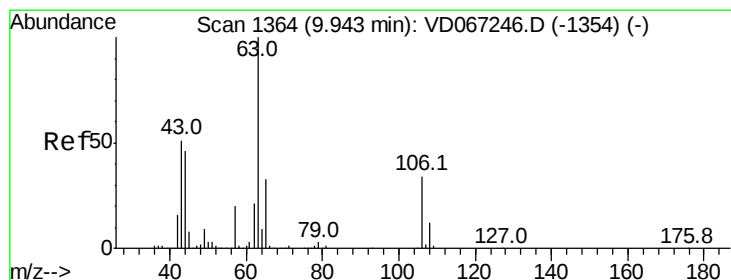
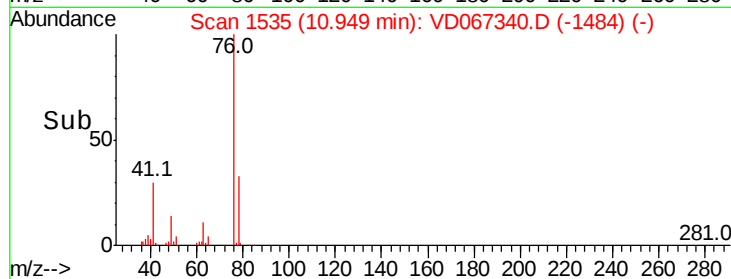
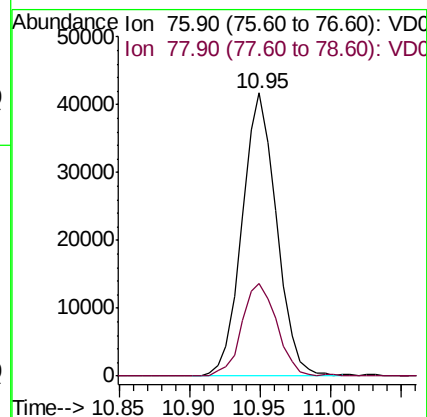
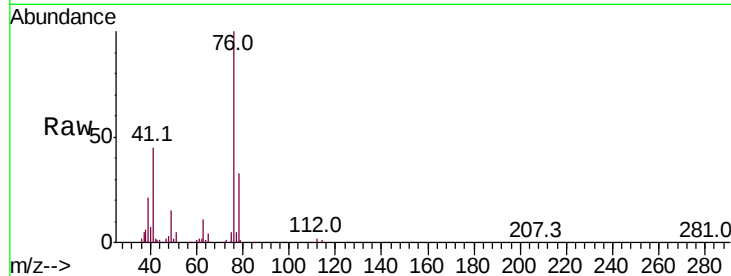
VD1021SBSD01

Tot Ion: 76 Resp: 71389

Ion Ratio Lower Upper

76 100

78 33.2 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 107.179 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067340.D

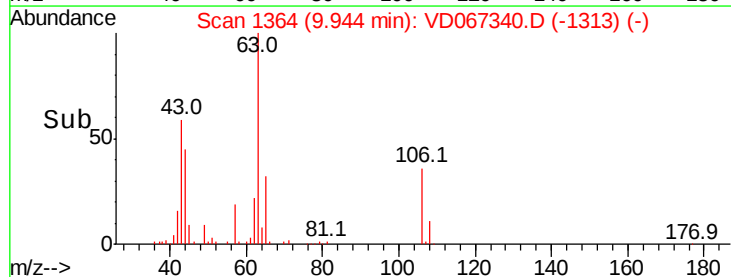
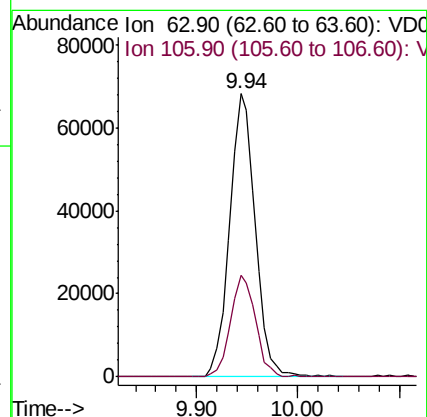
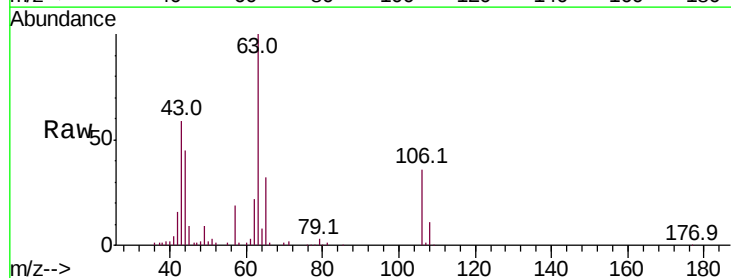
Acq: 21 Oct 2020 11:47

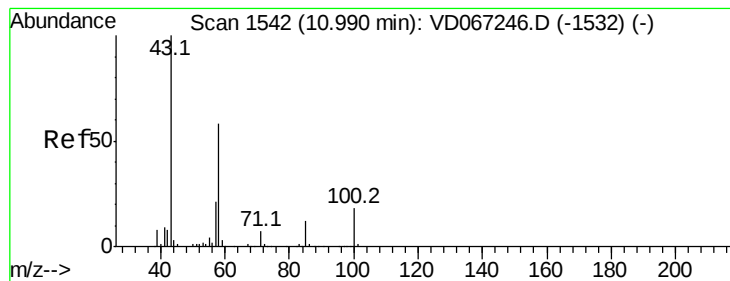
Tgt Ion: 63 Resp: 119168

Ion Ratio Lower Upper

63 100

106 35.0 27.8 41.6





#59

2-Hexanone

Concen: 104.671 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

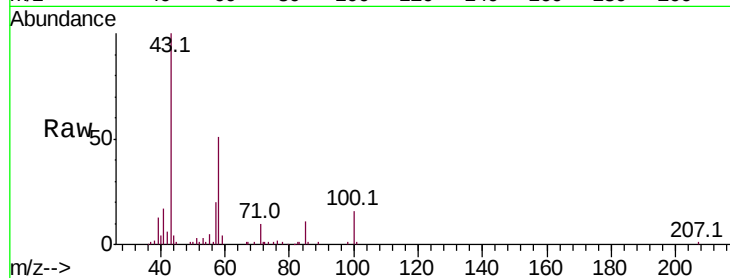
VD1021SBSD01

Tot Ion: 43 Resp: 80573

Ion Ratio Lower Upper

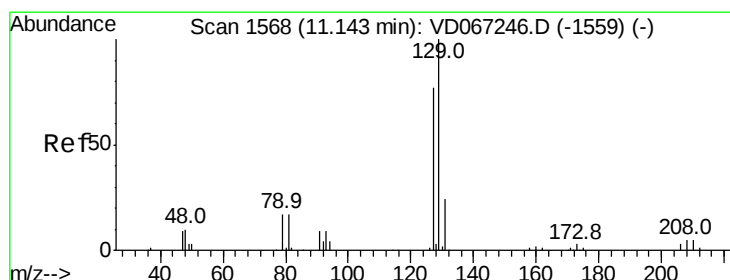
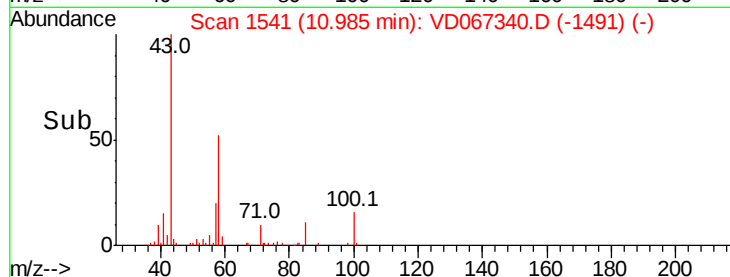
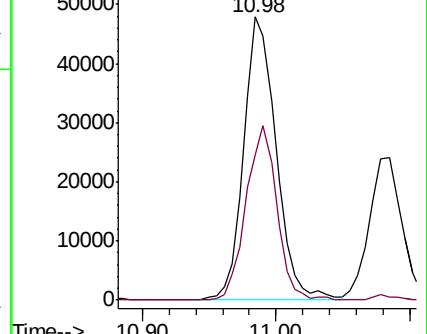
43 100

58 58.2 29.3 87.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 21.688 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD067340.D

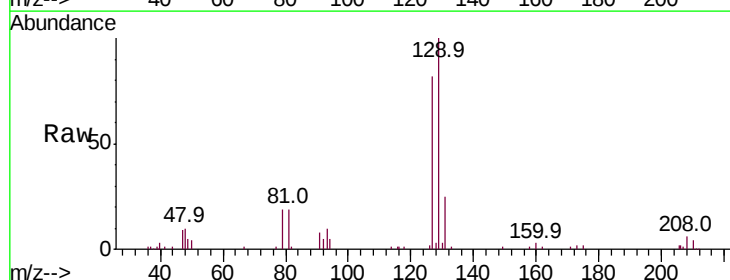
Acq: 21 Oct 2020 11:47

Tgt Ion: 129 Resp: 66099

Ion Ratio Lower Upper

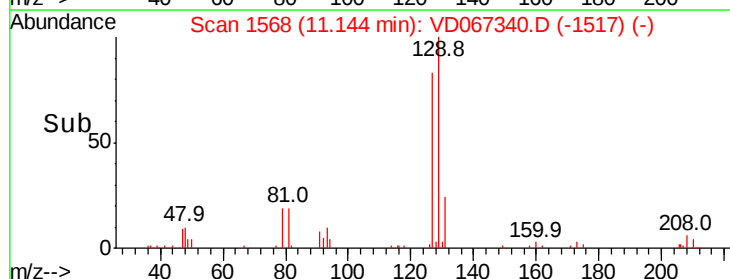
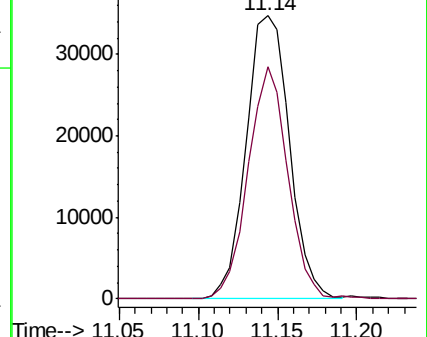
129 100

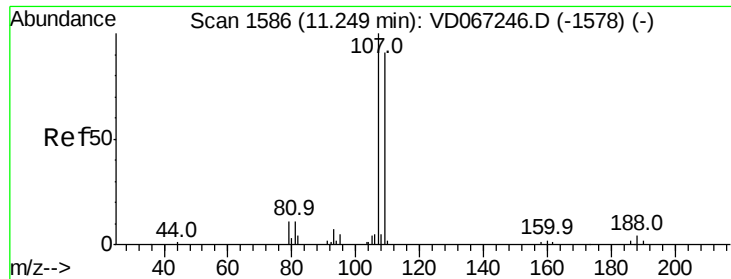
127 75.4 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

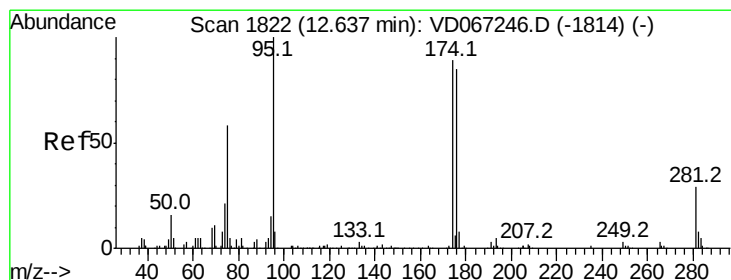
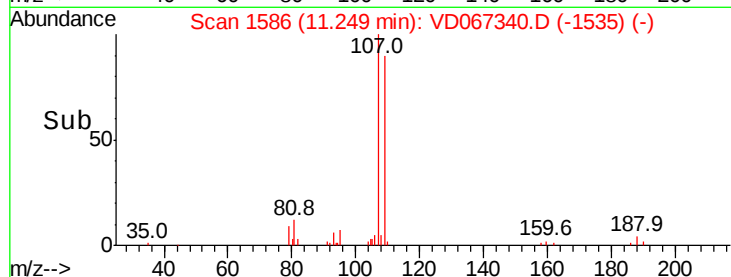
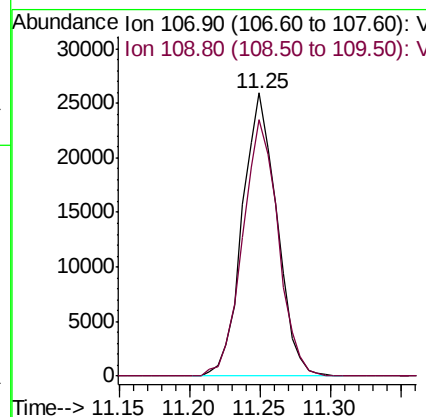
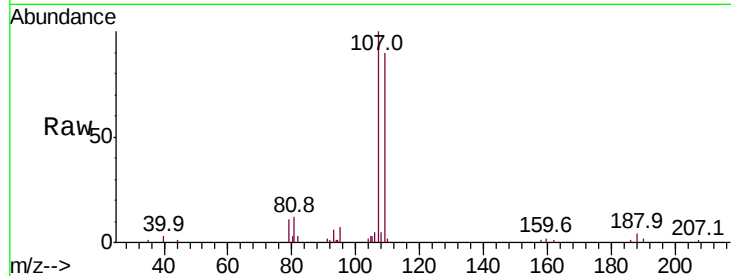




#61
 1,2-Dibromoethane
 Concen: 21.596 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

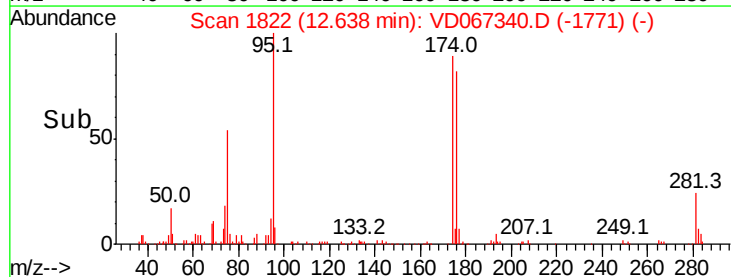
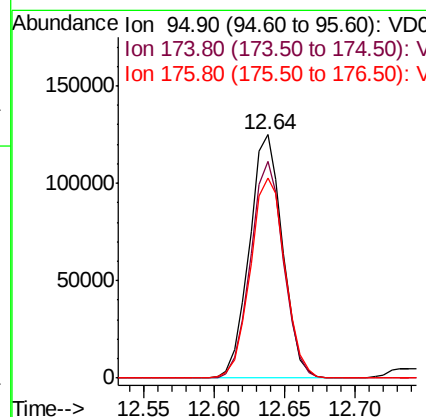
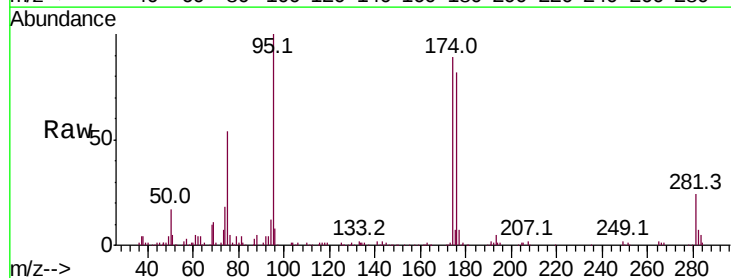
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBSD01

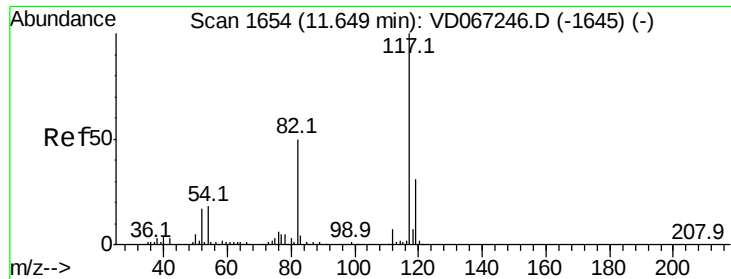
Tot Ion:107 Resp: 44493
 Ion Ratio Lower Upper
 107 100
 109 92.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 54.008 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

Tgt Ion: 95 Resp: 206446
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 175.2
 176 85.6 0.0 168.6

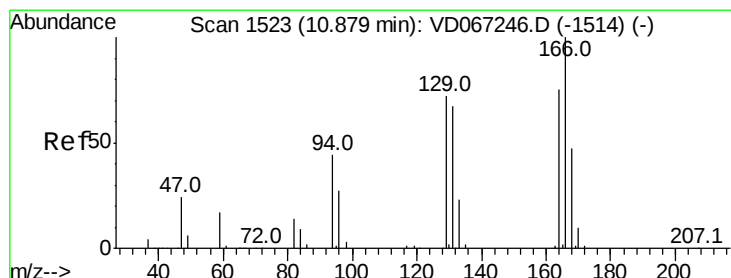
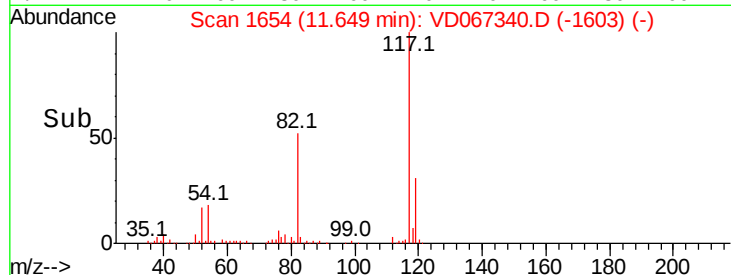
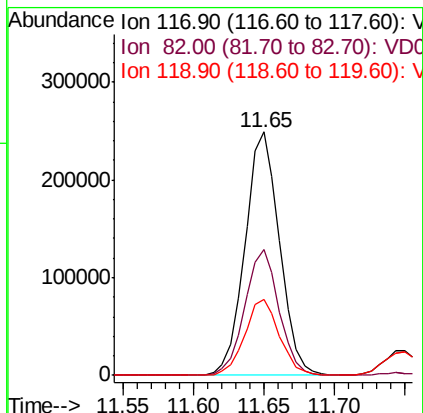
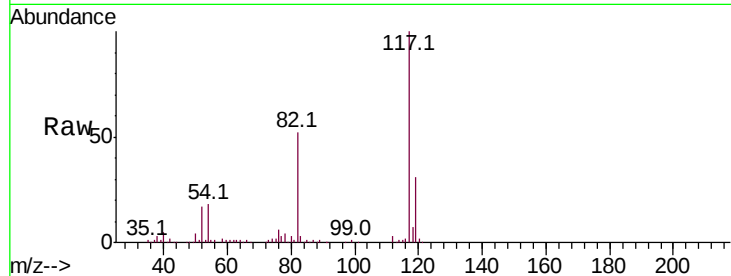




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

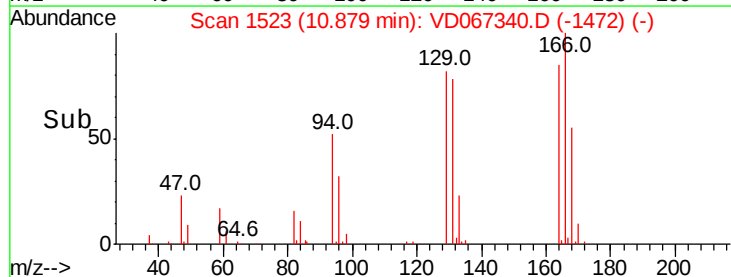
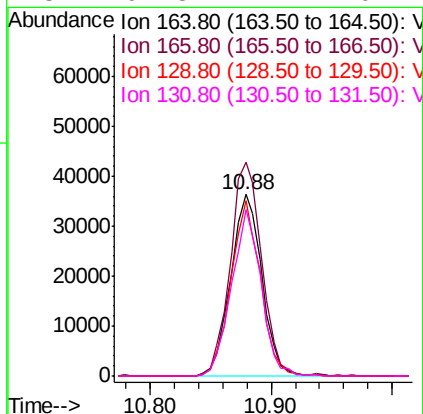
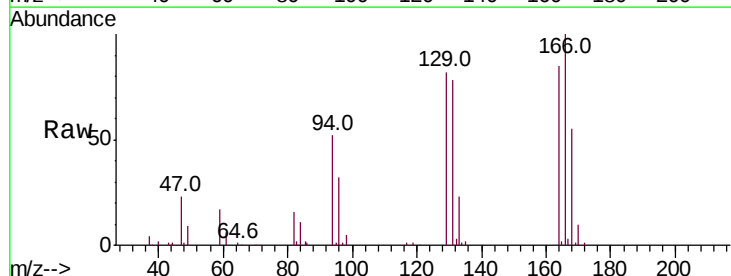
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBSD01

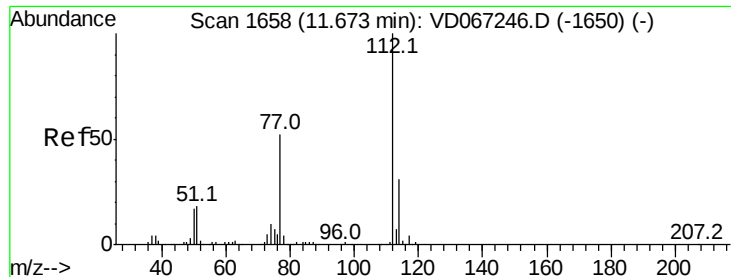
Tot Ion:117 Resp: 426392
Ion Ratio Lower Upper
117 100
82 51.6 39.9 59.9
119 31.2 24.9 37.3



#64
Tetrachloroethene
Concen: 21.173 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion:164 Resp: 65411
Ion Ratio Lower Upper
164 100
166 117.9 107.3 160.9
129 97.0 77.3 115.9
131 91.8 71.4 107.2





#65

Chlorobenzene

Concen: 21.057 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

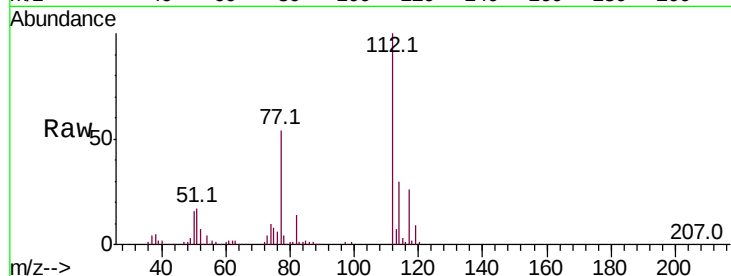
VD1021SBSD01

Tot Ion:112 Resp: 172173

Ion Ratio Lower Upper

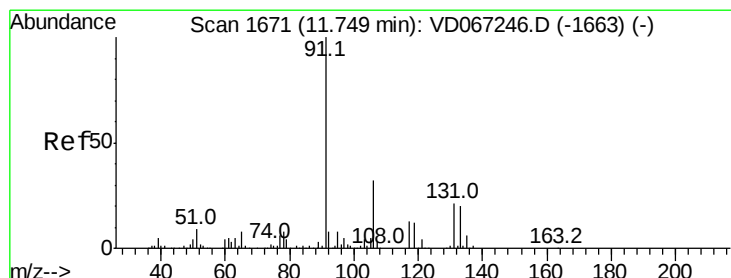
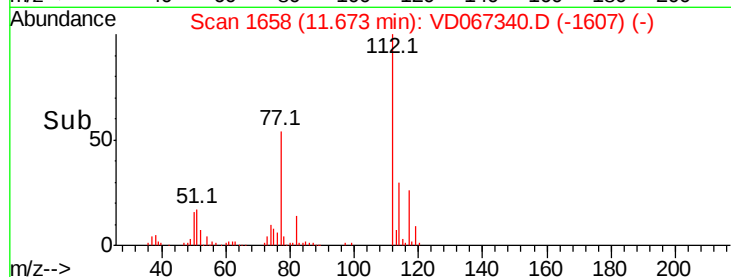
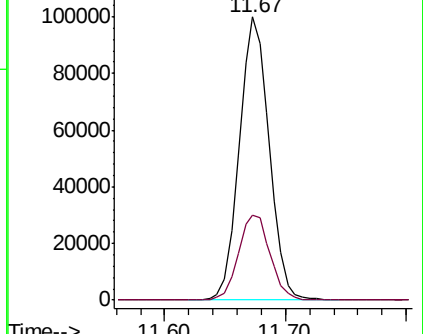
112 100

114 30.2 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.513 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

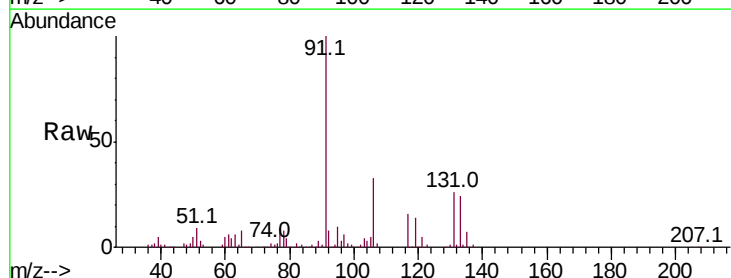
Tgt Ion:131 Resp: 69911

Ion Ratio Lower Upper

131 100

133 94.1 48.1 144.3

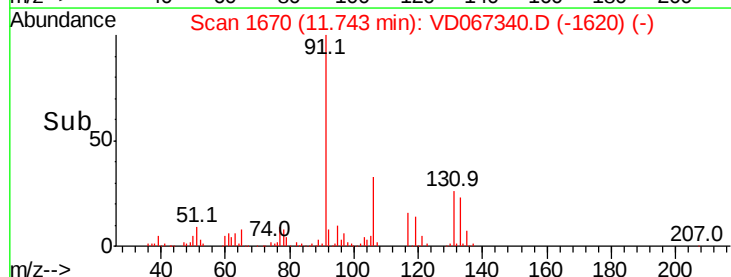
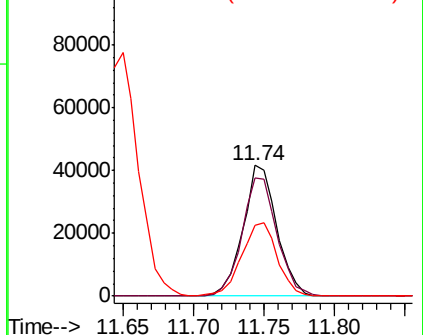
119 59.8 30.0 90.0

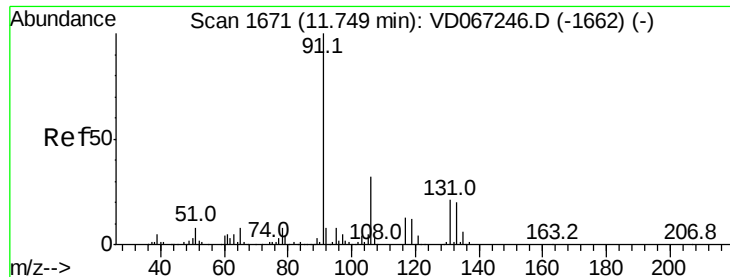


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.241 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

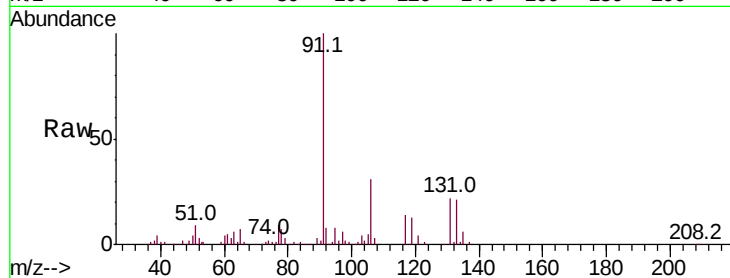
VD1021SBS01

Tot Ion: 91 Resp: 297711

Ion Ratio Lower Upper

91 100

106 30.9 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

250000

200000

150000

100000

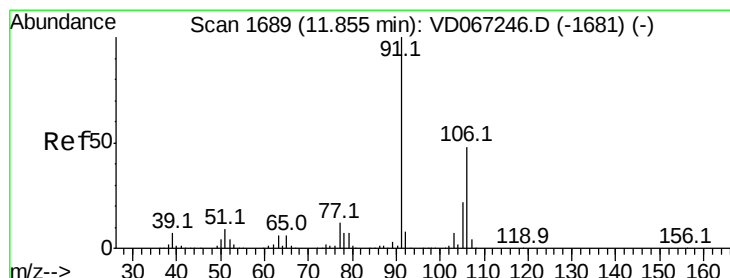
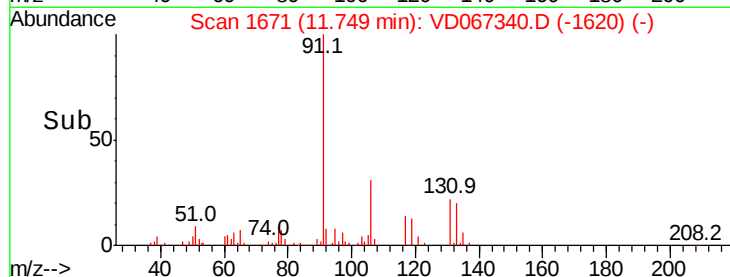
50000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 43.010 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067340.D

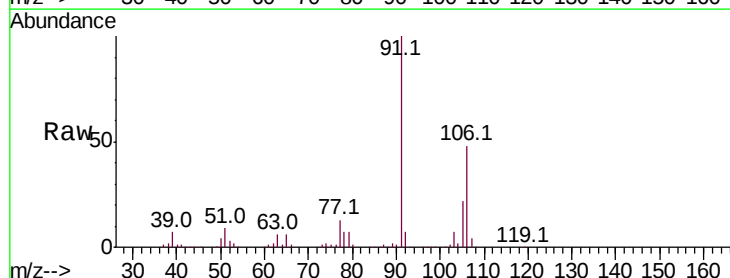
Acq: 21 Oct 2020 11:47

Tgt Ion: 106 Resp: 232143

Ion Ratio Lower Upper

106 100

91 201.6 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

100000

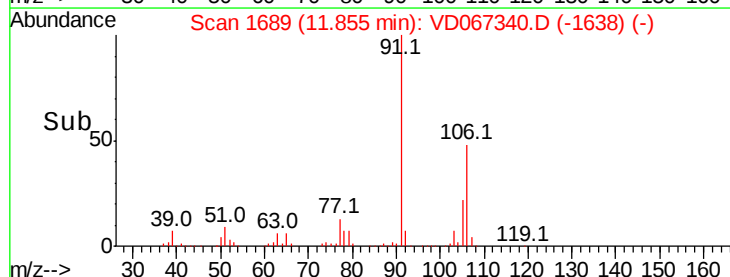
50000

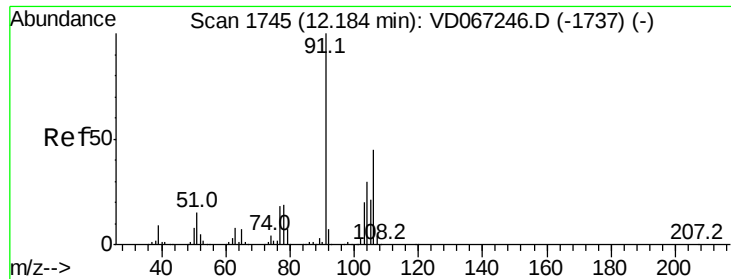
0

11.86

11.90

Time-->

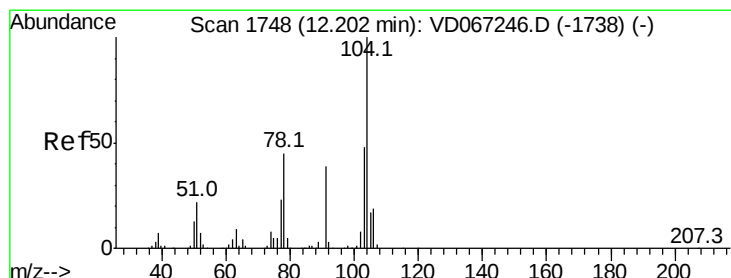
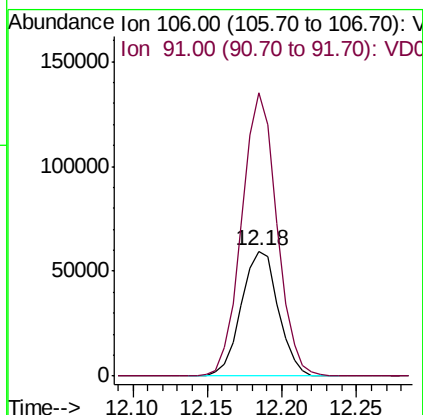
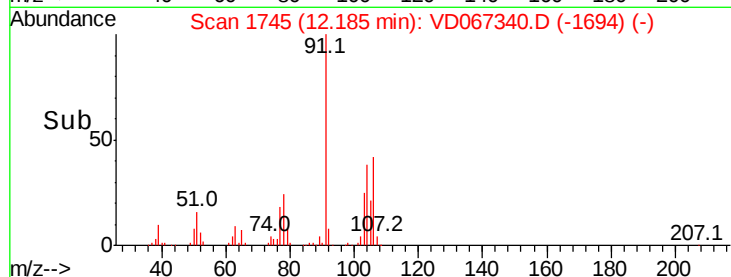
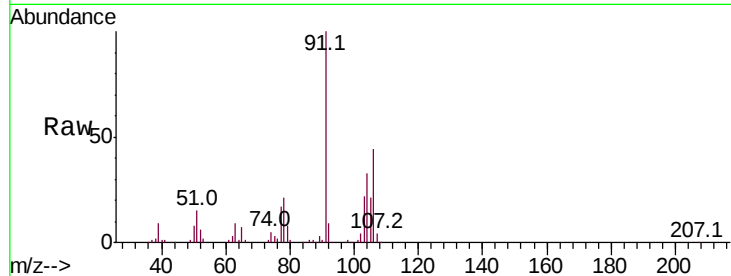




#69
o-Xylene
Concen: 20.432 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

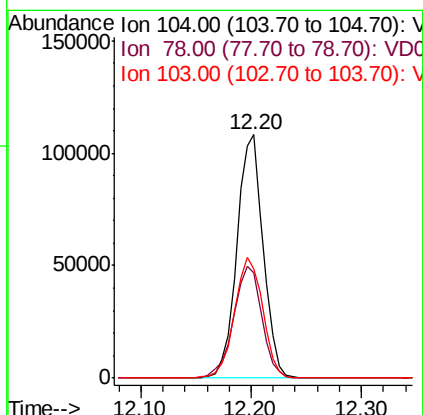
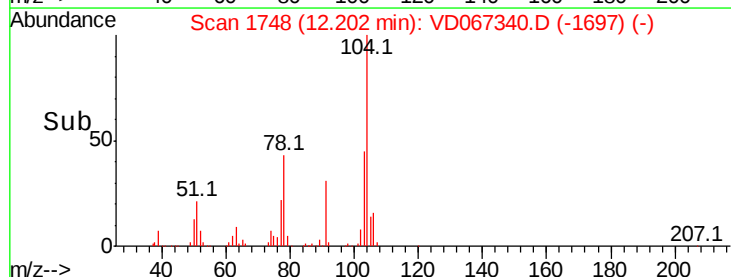
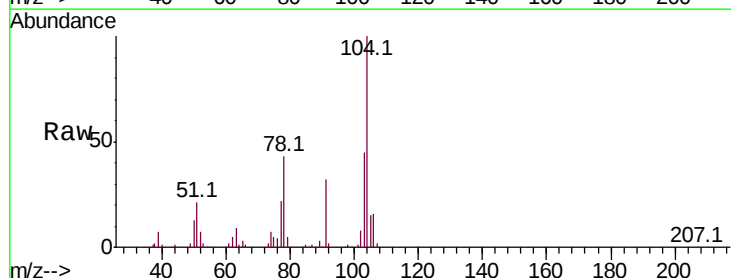
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

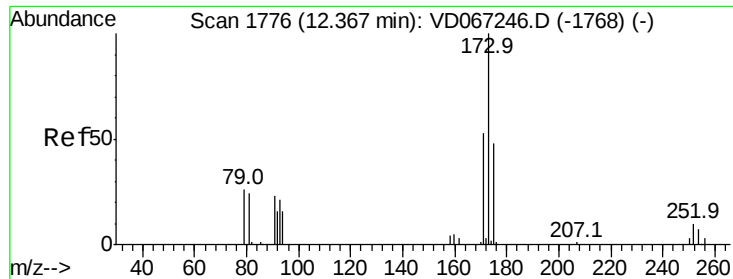
Tot Ion:106 Resp: 102122
Ion Ratio Lower Upper
106 100
91 215.5 109.1 327.3



#70
Styrene
Concen: 21.002 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion:104 Resp: 180698
Ion Ratio Lower Upper
104 100
78 49.5 39.8 59.6
103 53.2 42.6 64.0





#71

Bromoform

Concen: 21.274 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBSD01

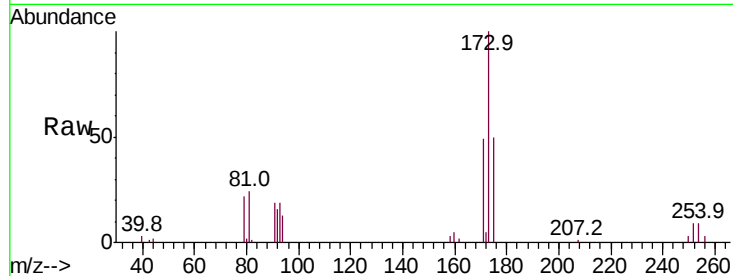
Tot Ion:173 Resp: 37140

Ion Ratio Lower Upper

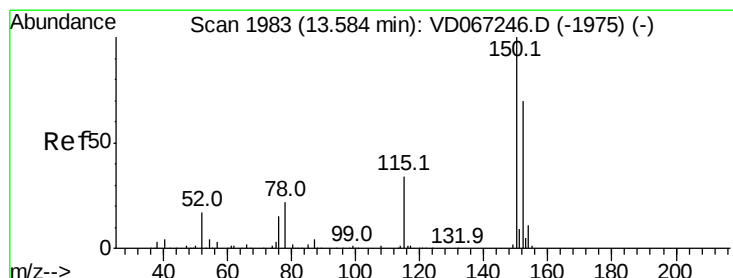
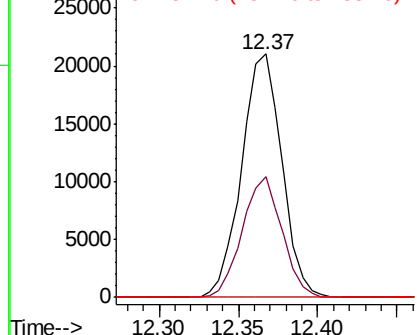
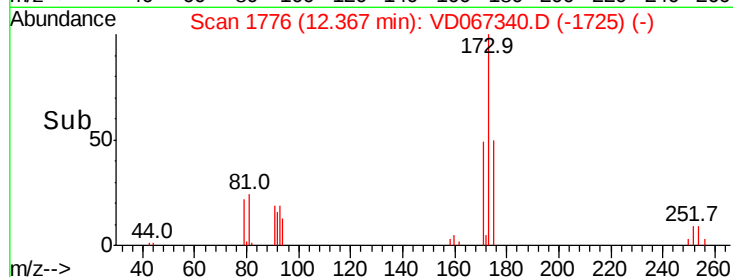
173 100

175 48.6 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

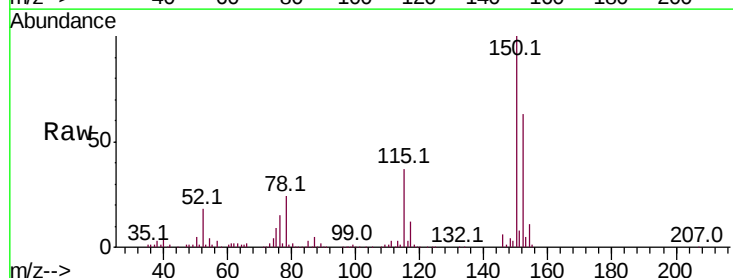
Tgt Ion:152 Resp: 212690

Ion Ratio Lower Upper

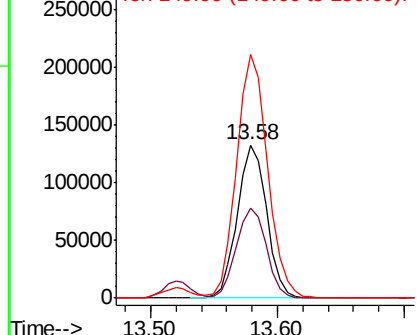
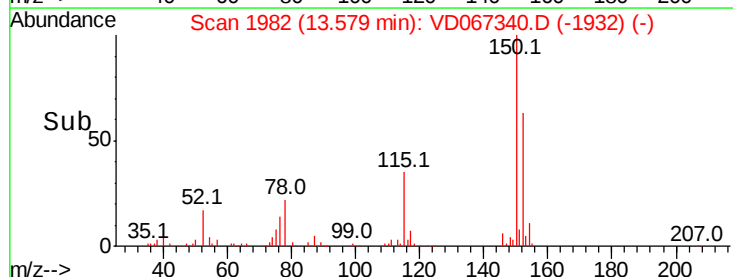
152 100

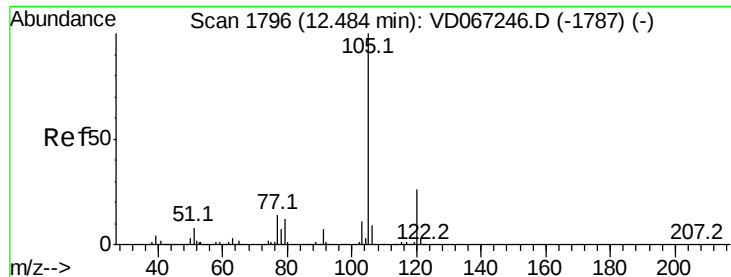
115 60.2 29.3 87.9

150 167.6 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.678 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

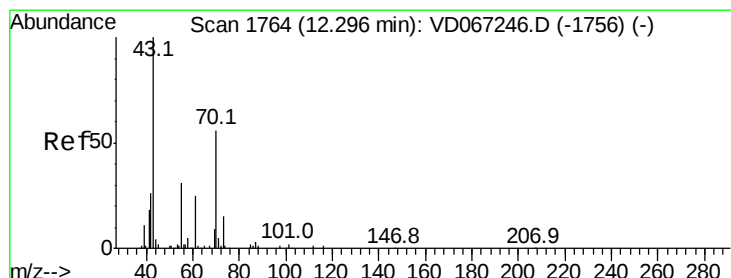
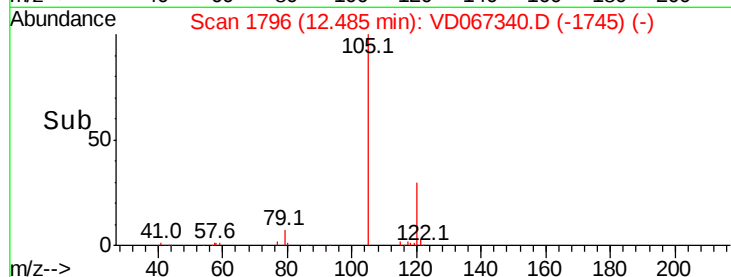
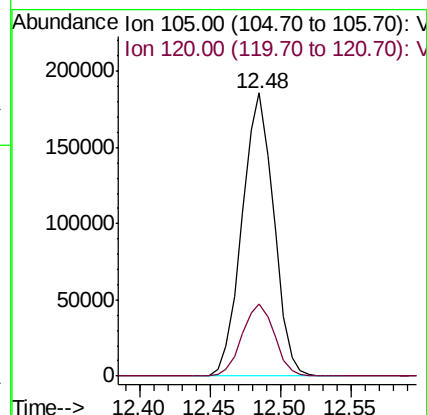
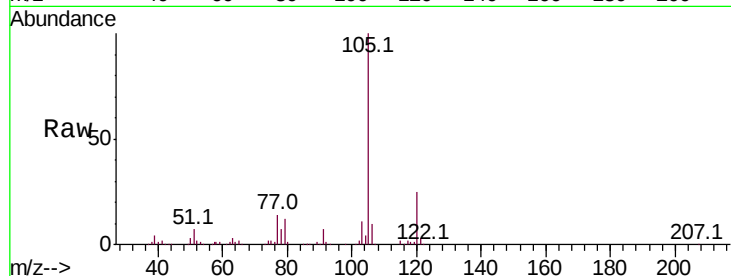
VD1021SBS01

Tot Ion:105 Resp: 292621

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.8



#74

N-ethyl acetate

Concen: 20.442 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Tgt Ion: 43 Resp: 41677

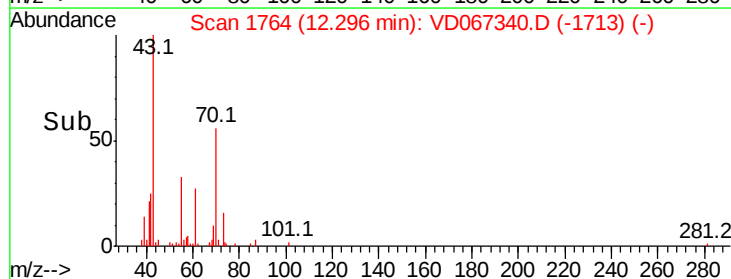
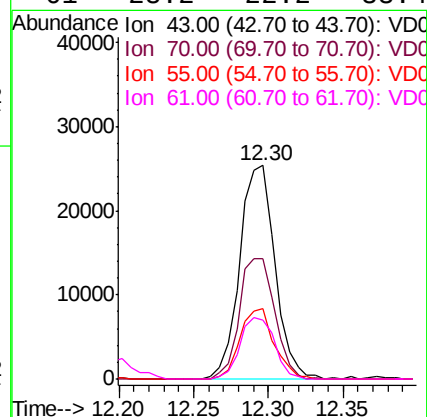
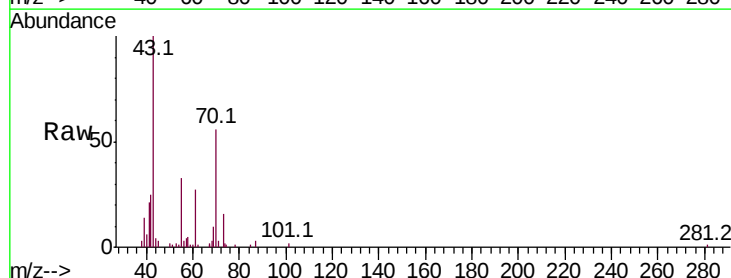
Ion Ratio Lower Upper

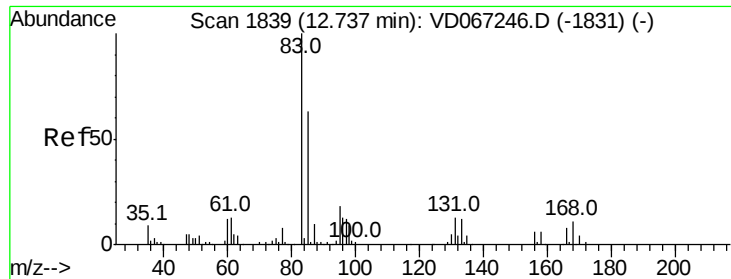
43 100

70 56.7 42.7 64.1

55 32.2 24.0 36.0

61 28.2 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.286 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBSD01

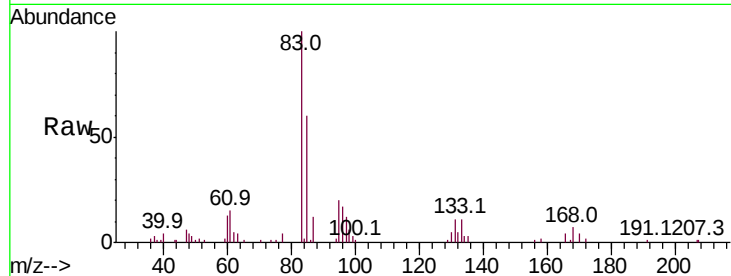
Tot Ion: 83 Resp: 46094

Ion Ratio Lower Upper

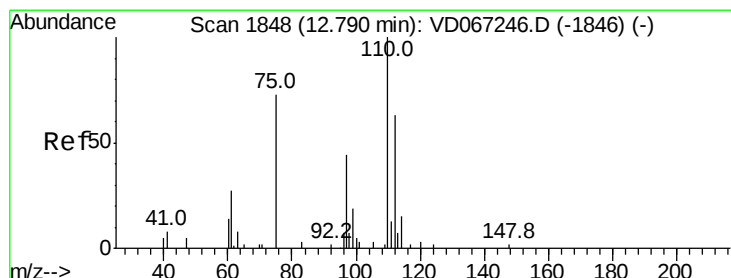
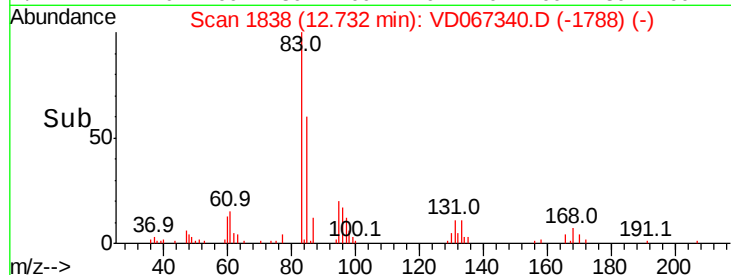
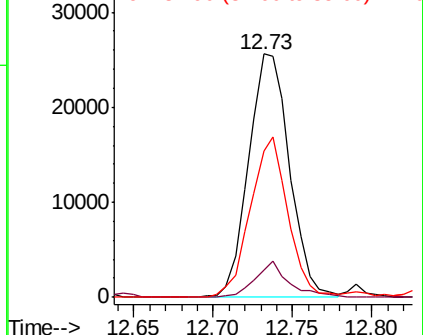
83 100

131 12.4 6.5 19.5

85 60.2 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.054 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067340.D

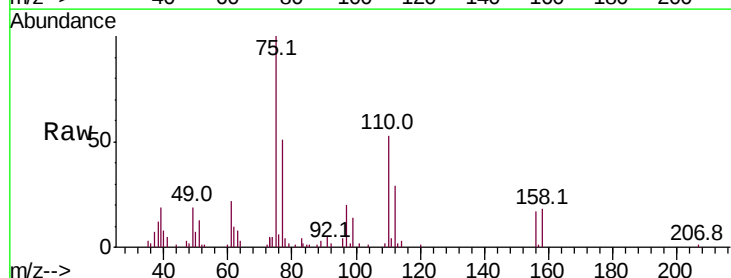
Acq: 21 Oct 2020 11:47

Tgt Ion: 75 Resp: 59046

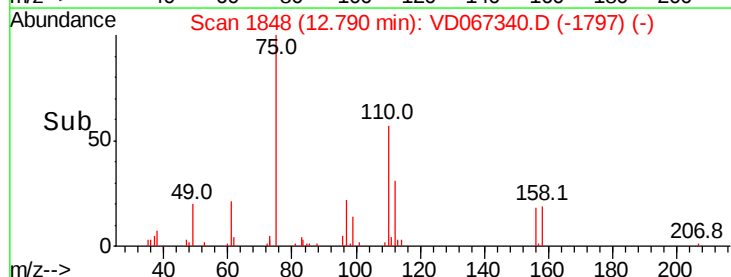
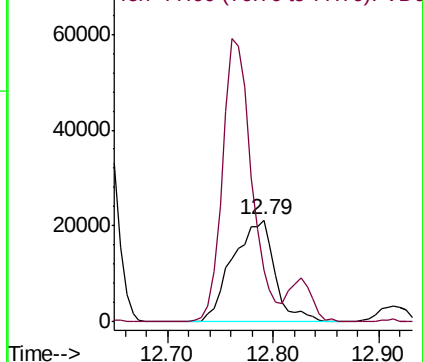
Ion Ratio Lower Upper

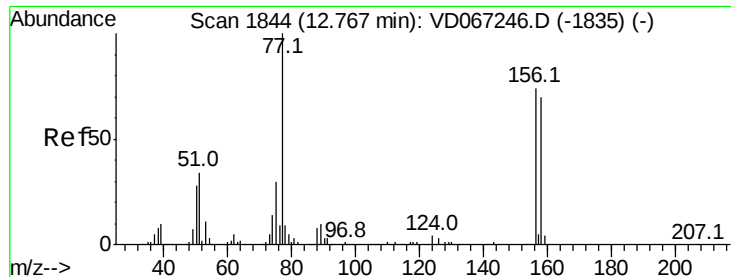
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.384 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

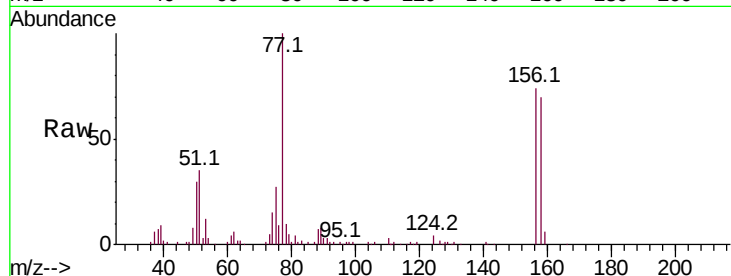
Tot Ion:156 Resp: 71965

Ion Ratio Lower Upper

156 100

77 158.6 78.0 233.8

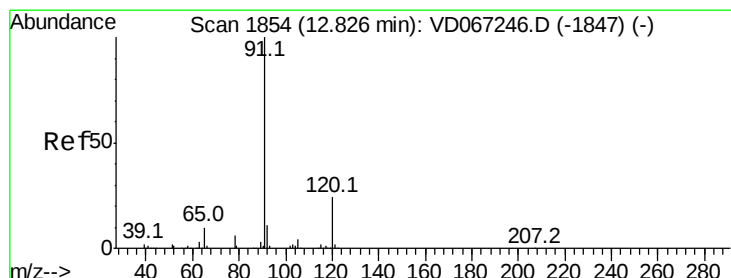
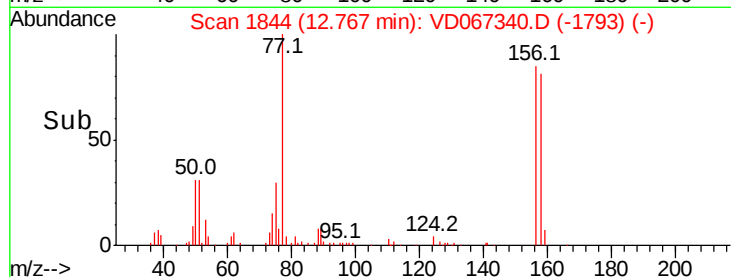
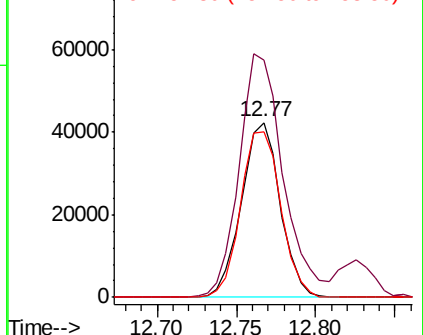
158 98.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): V

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 22.021 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067340.D

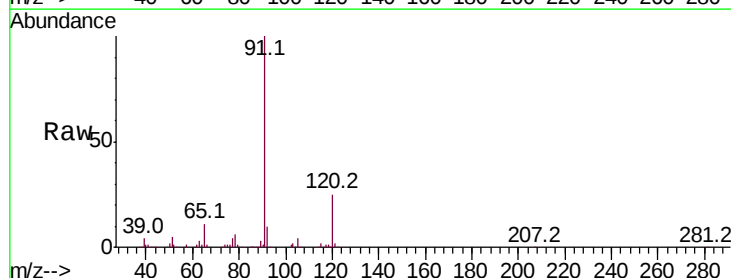
Acq: 21 Oct 2020 11:47

Tgt Ion: 91 Resp: 344415

Ion Ratio Lower Upper

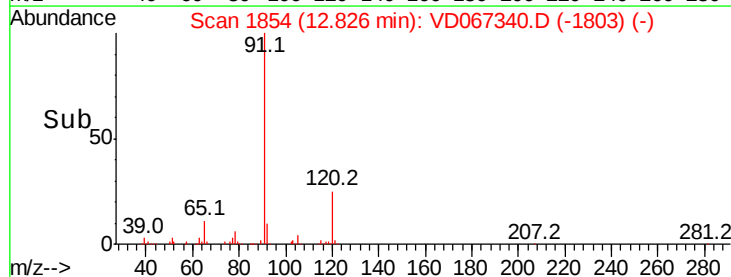
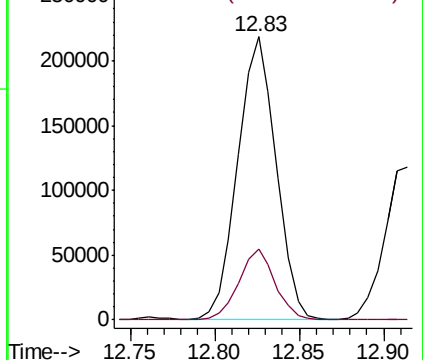
91 100

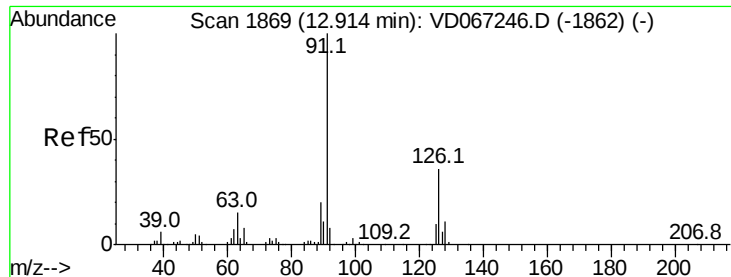
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.30): V

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 21.717 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

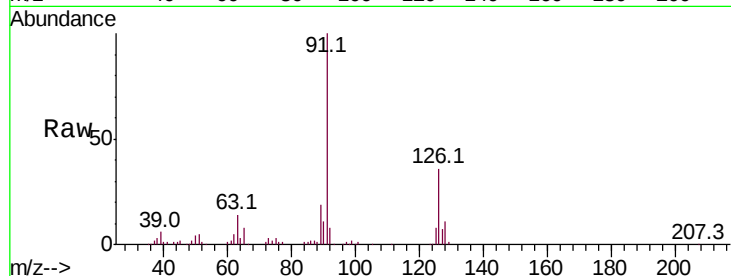
VD1021SBSD01

Tot Ion: 91 Resp: 196974

Ion Ratio Lower Upper

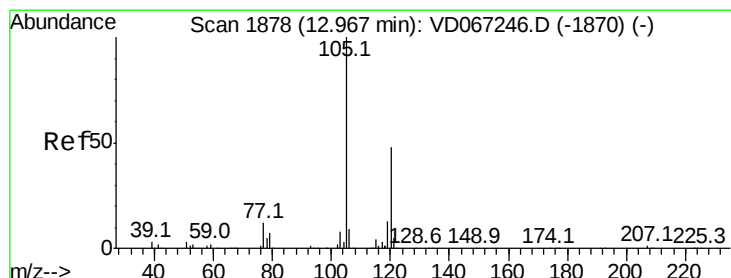
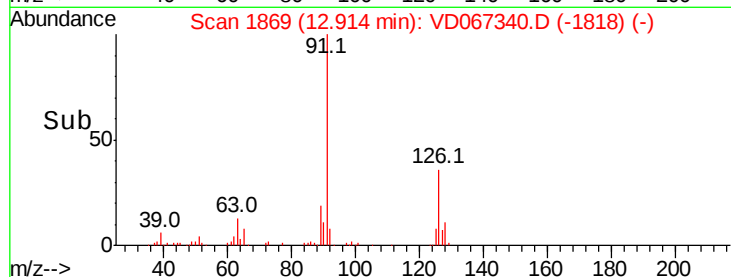
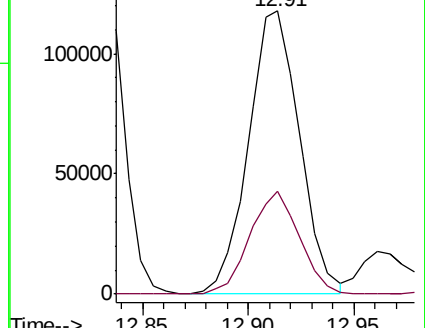
91 100

126 35.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VD067340.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067340.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.939 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067340.D

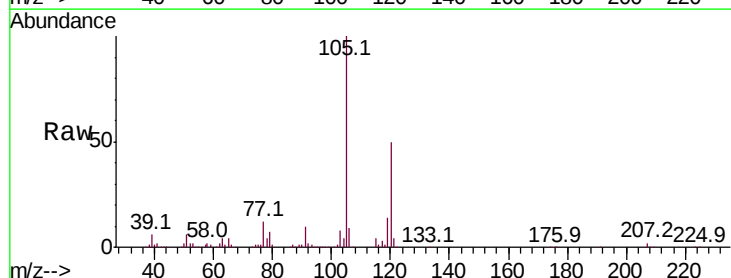
Acq: 21 Oct 2020 11:47

Tgt Ion: 105 Resp: 257350

Ion Ratio Lower Upper

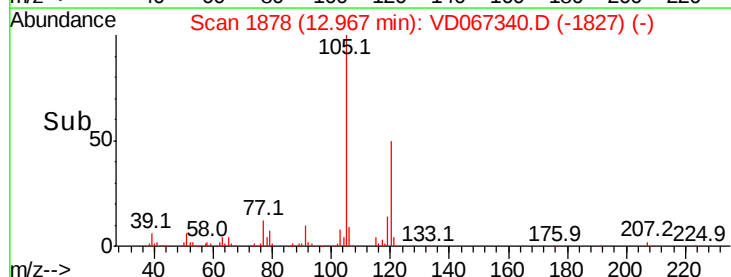
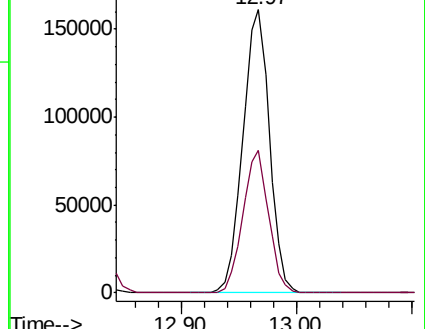
105 100

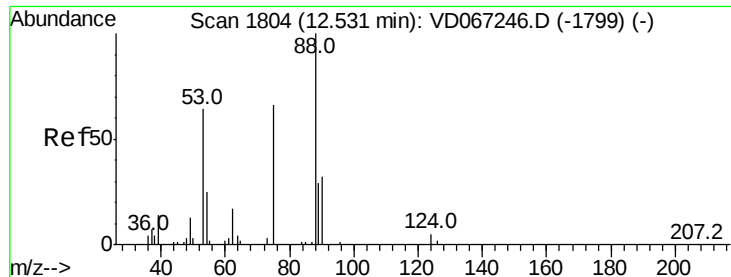
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067340.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067340.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.141 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

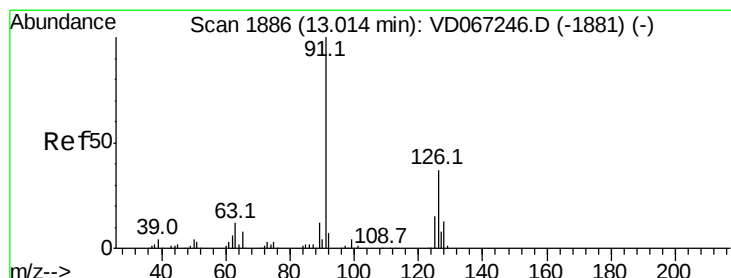
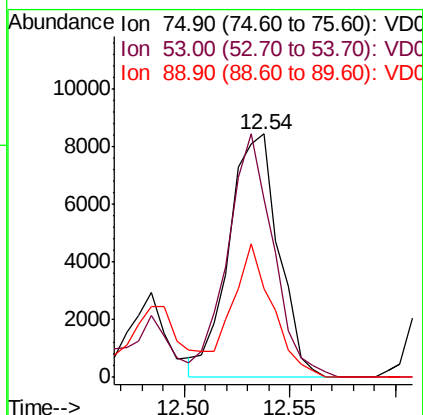
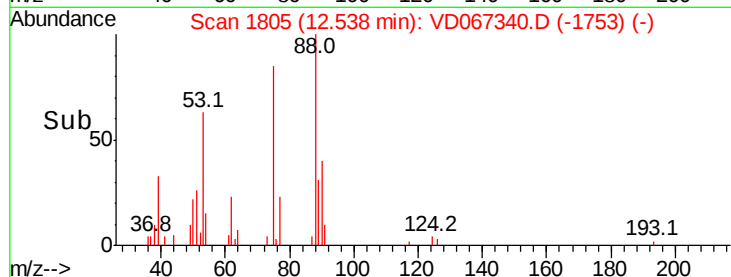
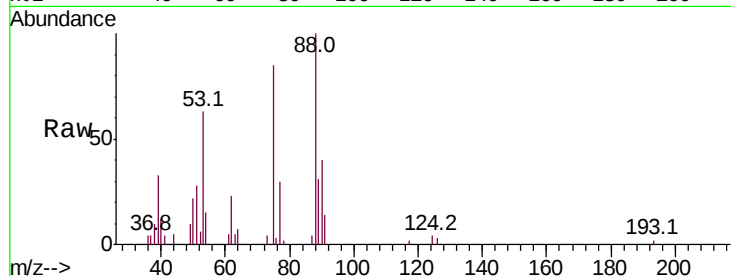
Tot Ion: 75 Resp: 13743

Ion Ratio Lower Upper

75 100

53 92.0 78.5 117.7

89 45.5 39.9 59.9



#82

4-Chlorotoluene

Concen: 21.709 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067340.D

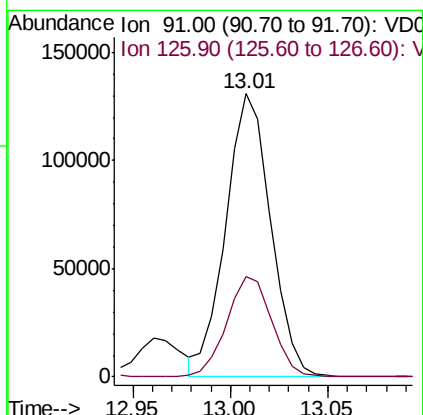
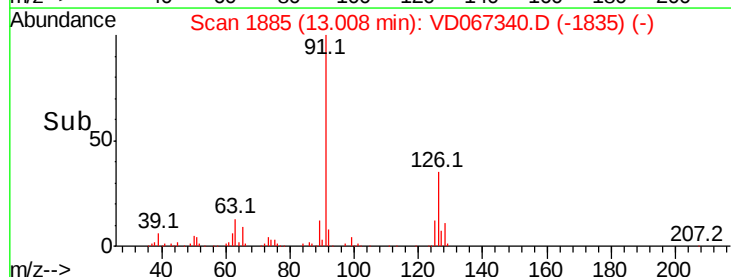
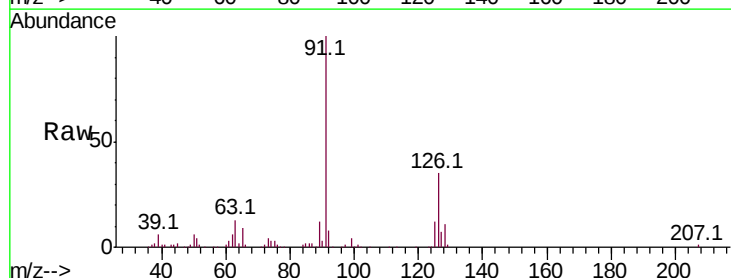
Acq: 21 Oct 2020 11:47

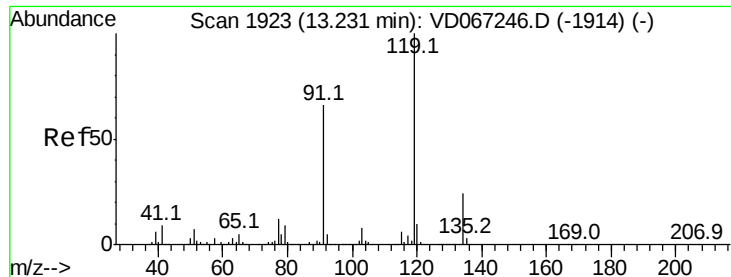
Tgt Ion: 91 Resp: 208983

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5

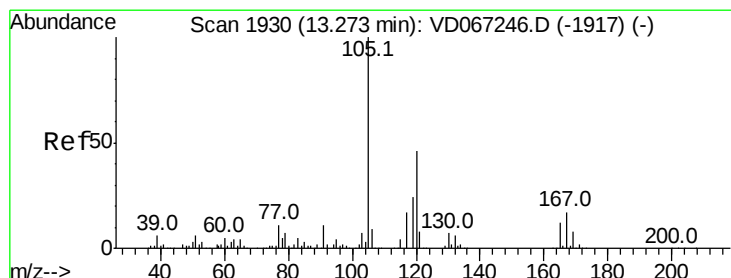
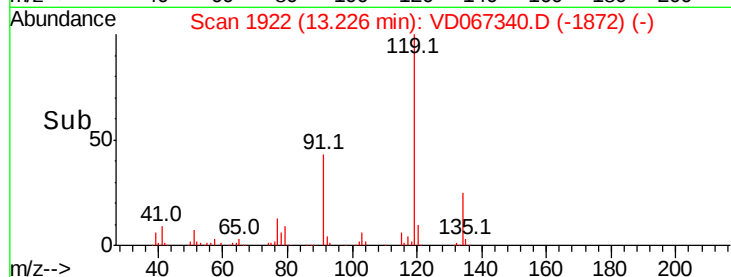
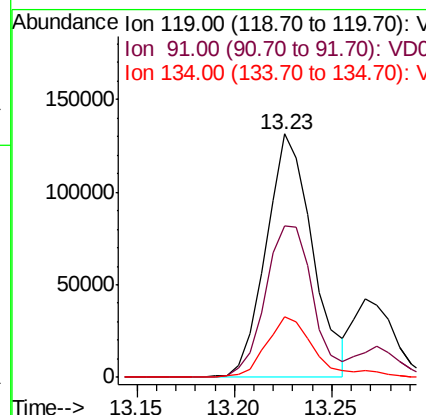
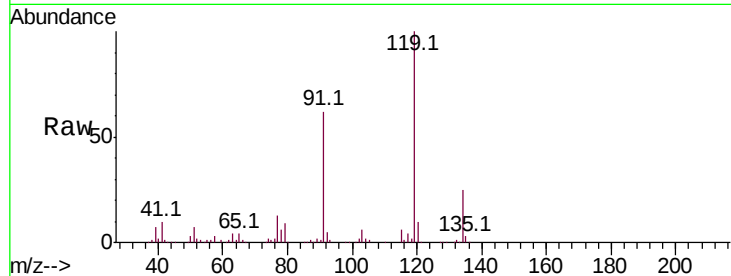




#83
tert-Butylbenzene
Concen: 21.888 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

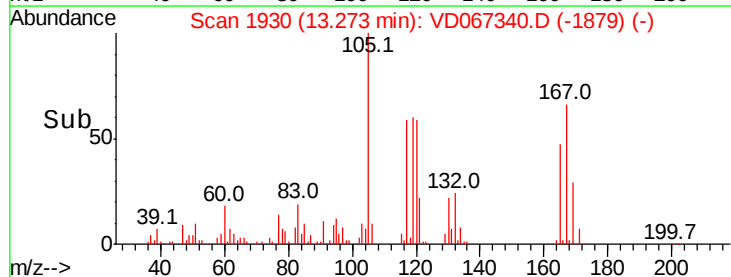
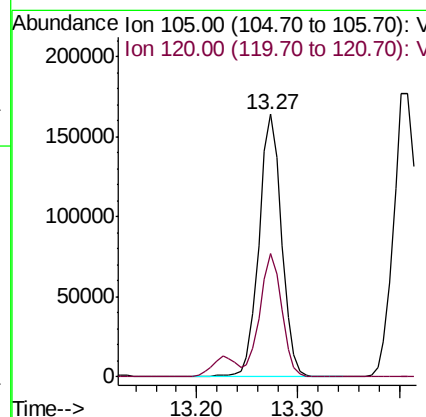
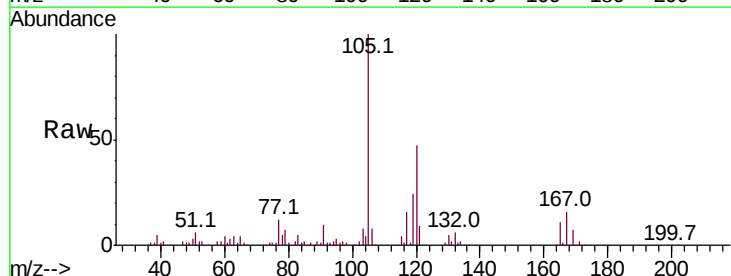
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

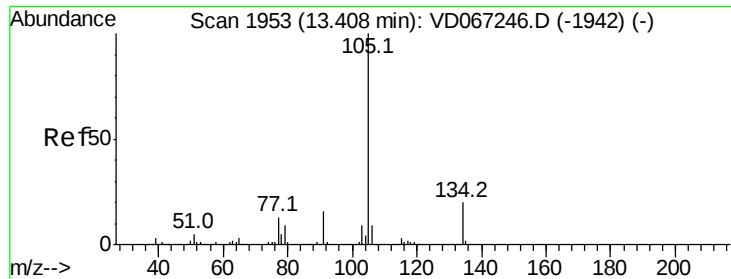
Tot Ion:119 Resp: 216885
Ion Ratio Lower Upper
119 100
91 63.6 33.1 99.2
134 26.2 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 21.994 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion:105 Resp: 254999
Ion Ratio Lower Upper
105 100
120 45.8 22.4 67.3

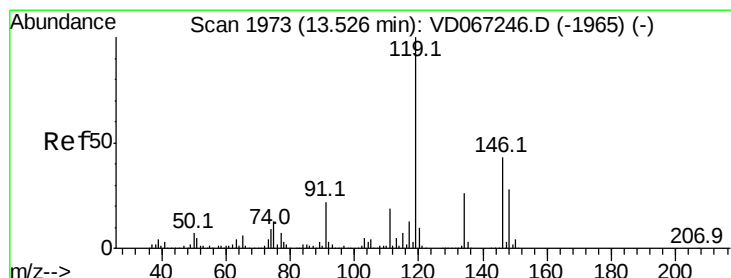
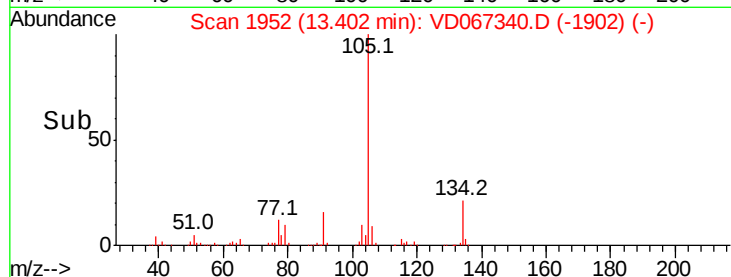
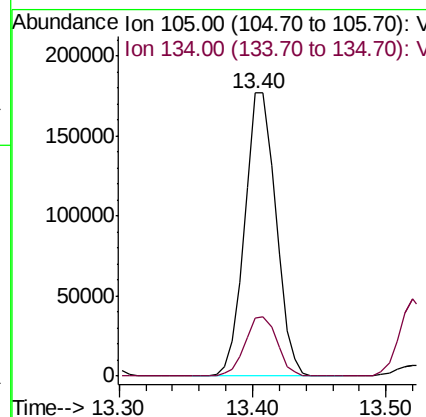
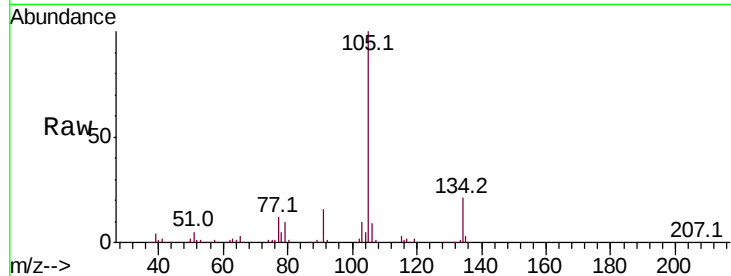




#85
 sec-Butylbenzene
 Concen: 21.036 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

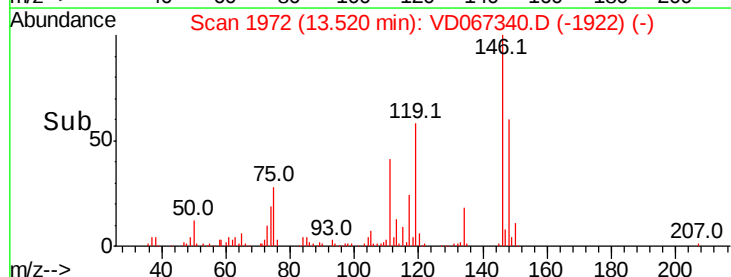
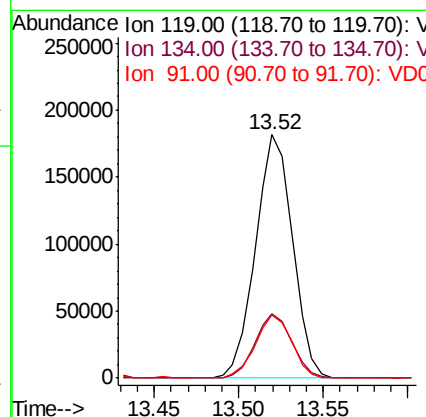
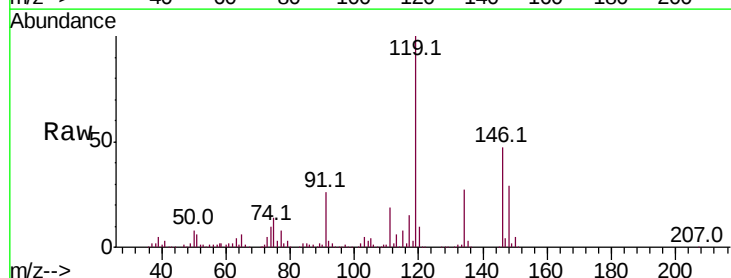
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBSD01

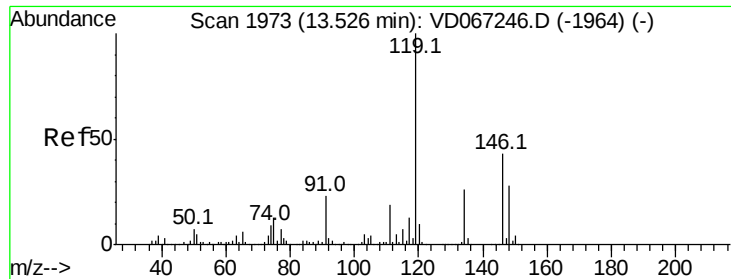
Tot Ion:105 Resp: 286016
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 21.625 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067340.D
 Acq: 21 Oct 2020 11:47

Tgt Ion:119 Resp: 277517
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 25.2 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 21.435 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

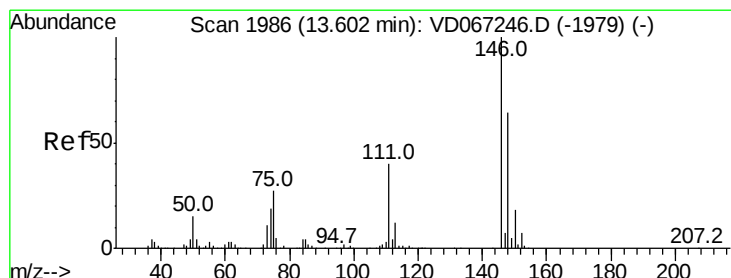
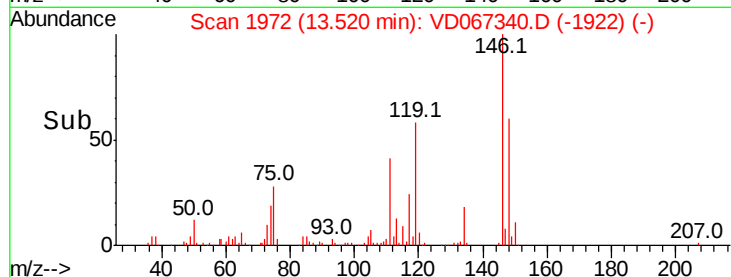
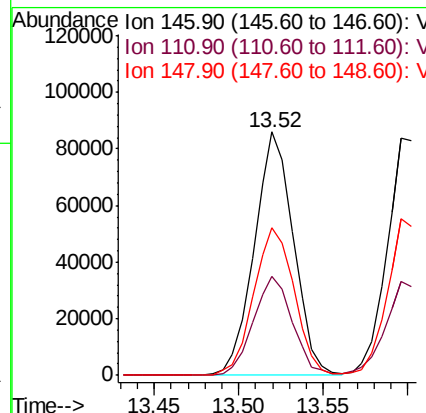
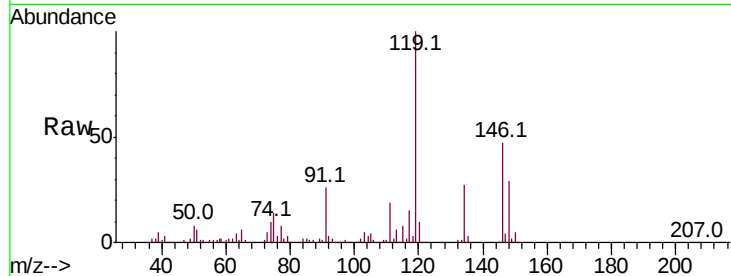
Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBSD01

Tot Ion:146 Resp: 138844

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.3
148	62.6	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 21.877 ug/l

RT: 13.60 min Scan# 1985

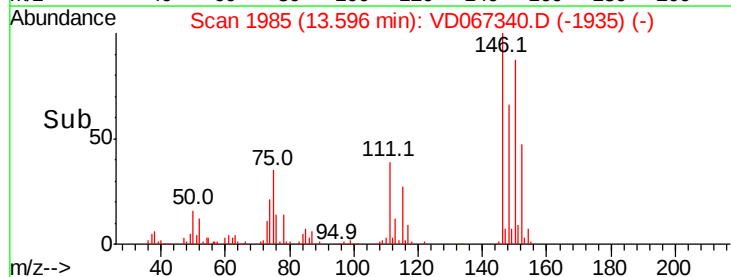
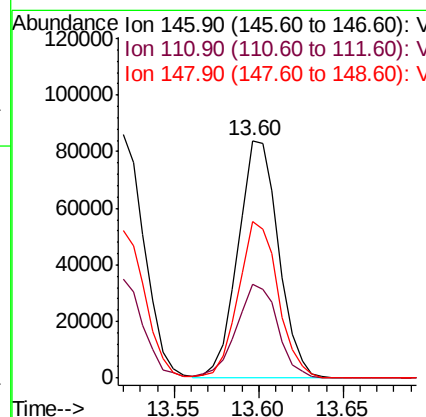
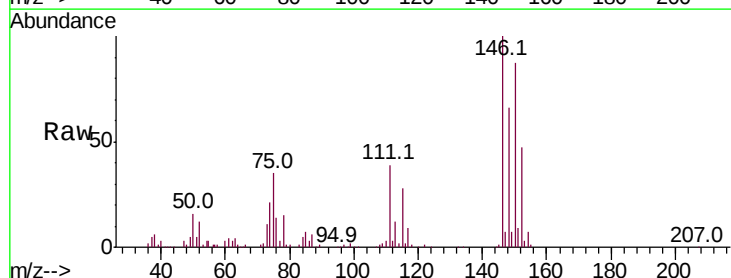
Delta R.T. -0.01 min

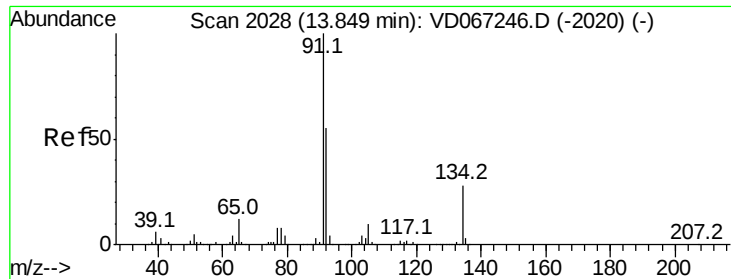
Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Tgt Ion:146 Resp: 140402

Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	64.5	31.9	95.9

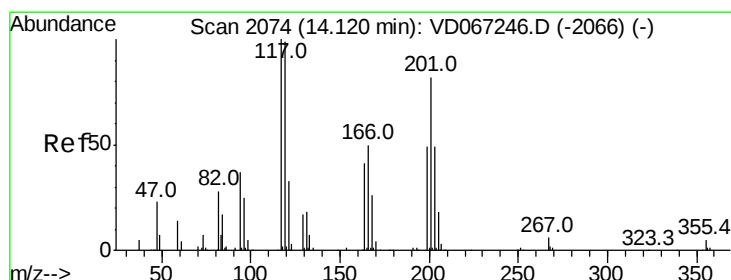
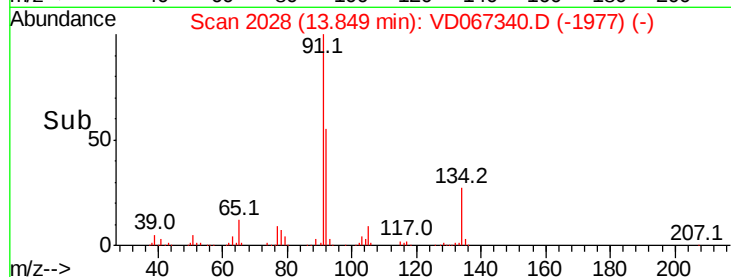
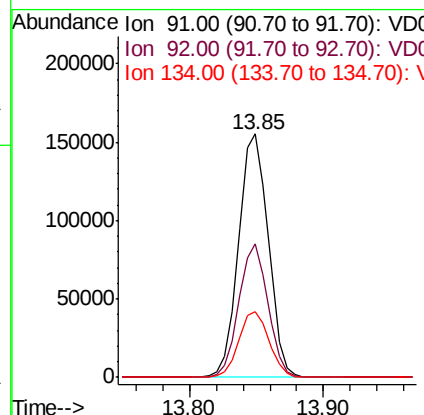
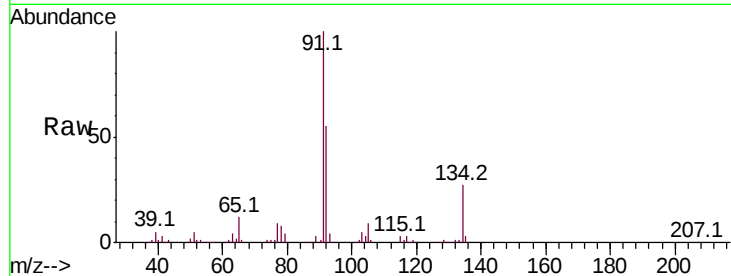




#89
n-Butylbenzene
Concen: 21.213 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

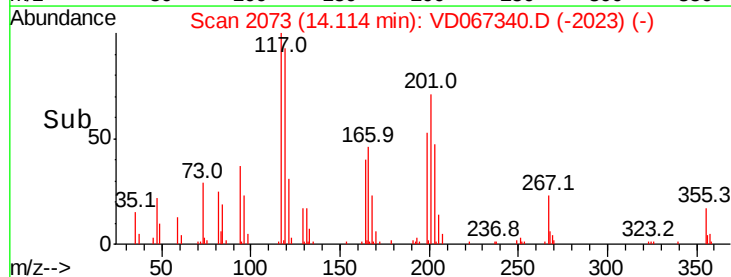
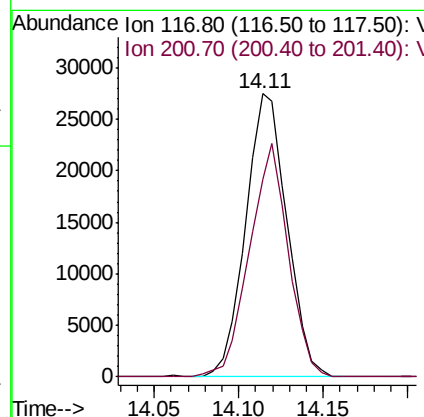
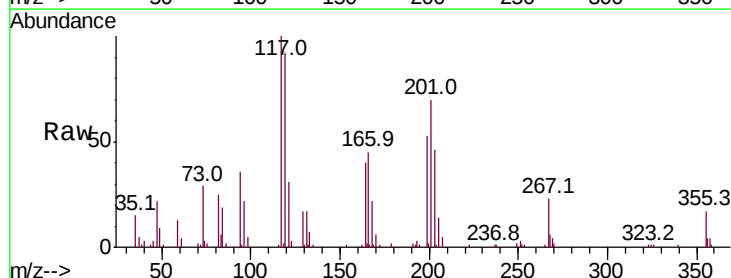
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

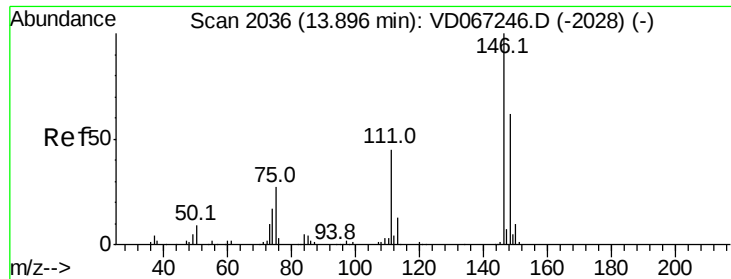
Tot Ion: 91 Resp: 239492
Ion Ratio Lower Upper
91 100
92 53.9 26.7 80.0
134 27.6 14.2 42.6



#90
Hexachloroethane
Concen: 20.835 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion: 117 Resp: 46658
Ion Ratio Lower Upper
117 100
201 77.4 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 21.553 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

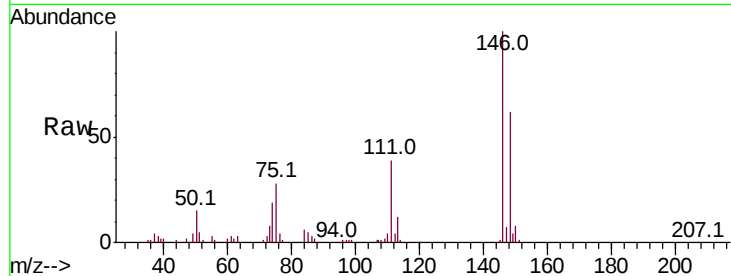
Tot Ion:146 Resp: 121964

Ion Ratio Lower Upper

146 100

111 40.3 22.0 66.0

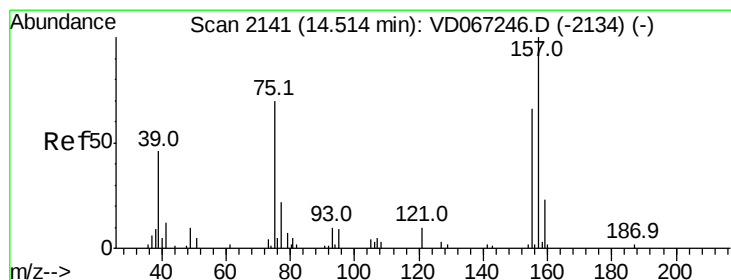
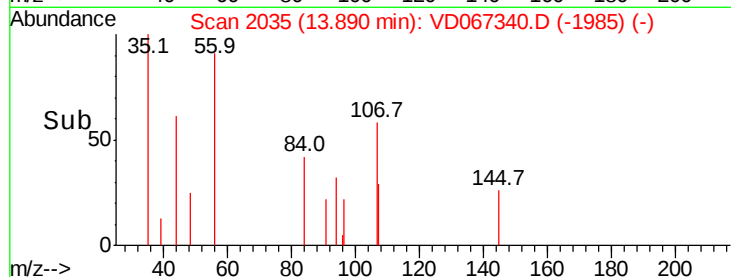
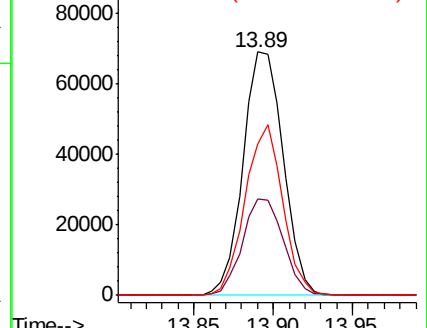
148 65.2 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.770 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

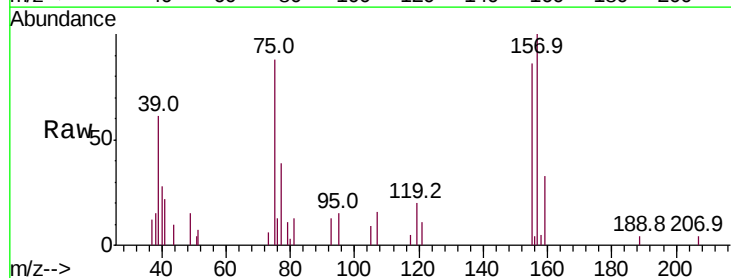
Tgt Ion: 75 Resp: 7053

Ion Ratio Lower Upper

75 100

155 100.0 44.8 134.4

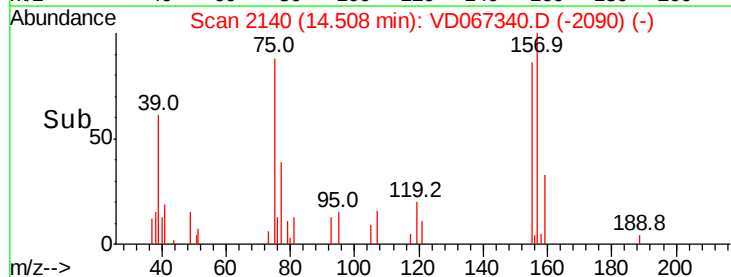
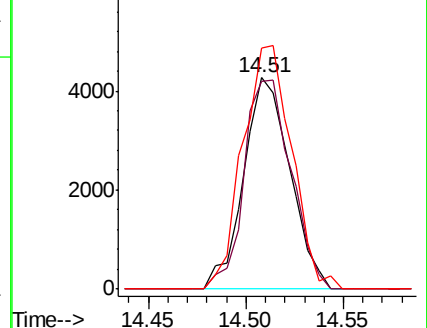
157 121.0 62.5 187.4

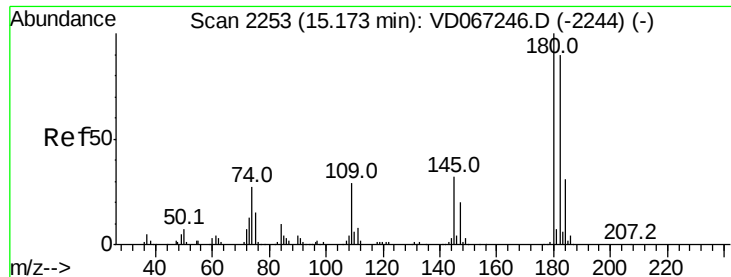


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 22.045 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

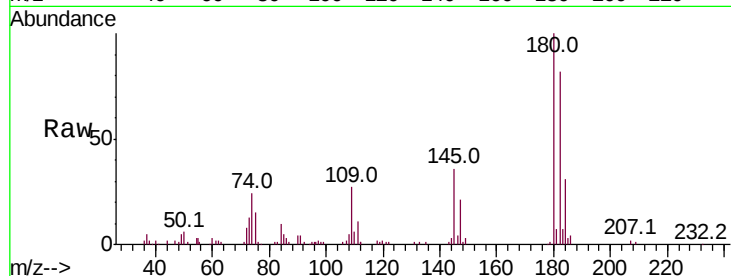
Tot Ion:180 Resp: 84107

Ion Ratio Lower Upper

180 100

182 90.9 48.1 144.4

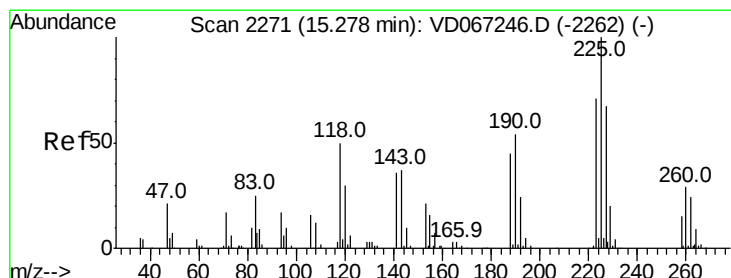
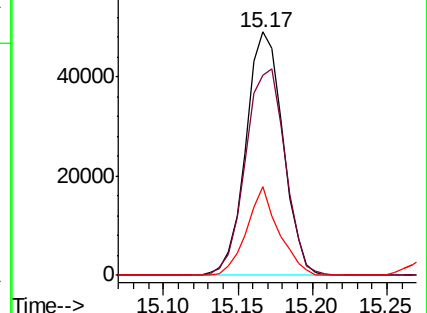
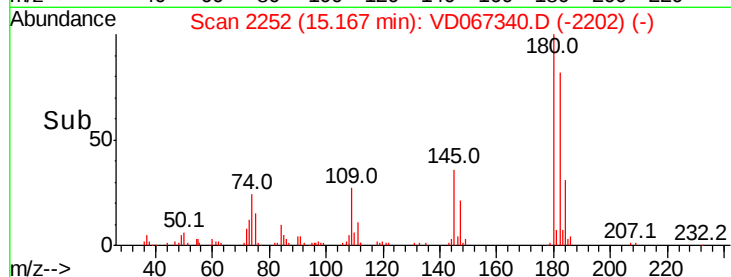
145 31.6 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.592 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. -0.01 min

Lab File: VD067340.D

Acq: 21 Oct 2020 11:47

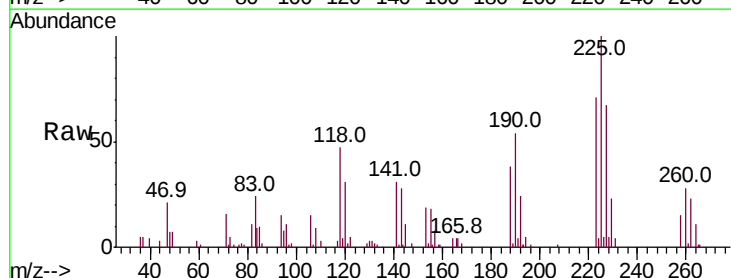
Tgt Ion:225 Resp: 51156

Ion Ratio Lower Upper

225 100

223 62.6 31.9 95.7

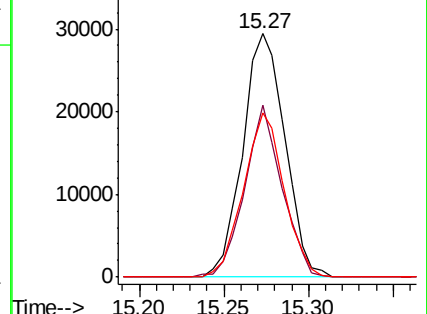
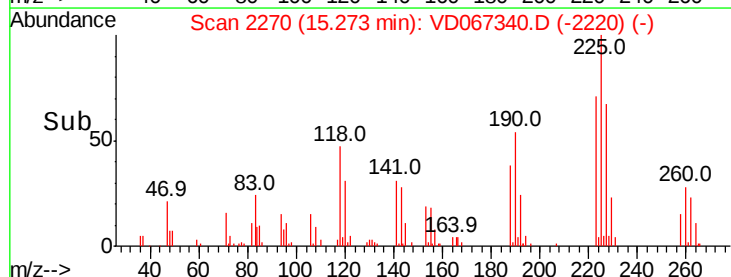
227 64.9 31.2 93.6

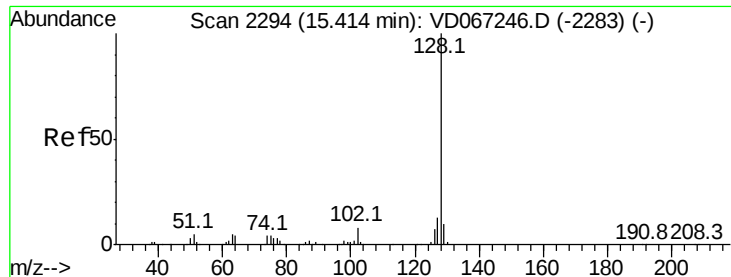


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

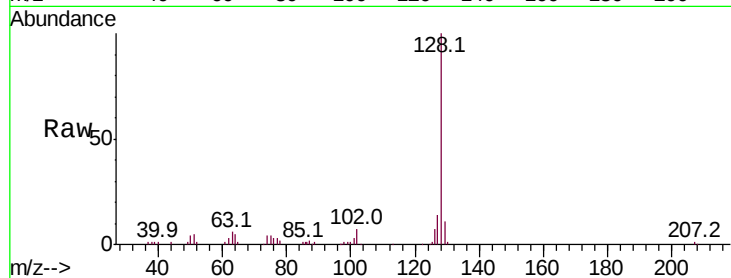




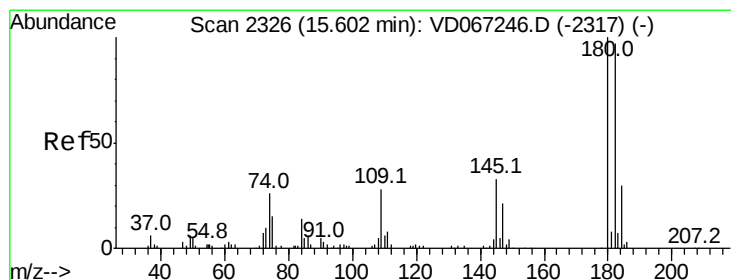
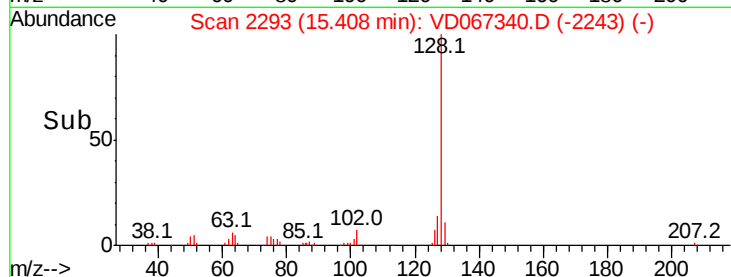
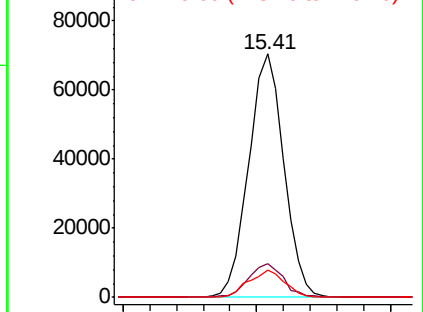
#95
Naphthalene
Concen: 20.459 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBSD01

Tot Ion:128 Resp: 128154
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 11.5 8.6 12.8

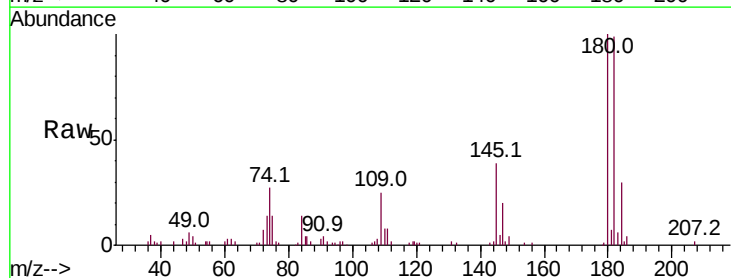


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.114 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067340.D
Acq: 21 Oct 2020 11:47

Tgt Ion:180 Resp: 69594
Ion Ratio Lower Upper
180 100
182 95.4 48.1 144.3
145 34.6 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

