

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067316.D
 Acq On : 20 Oct 2020 11:39
 Operator : VA/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Quant Time: Oct 21 01:49:24 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	7.99	168	327427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	490933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	455586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	151802	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
35) Dibromofluoromethane	7.92	113	158607	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	10.34	98	576690	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.64	95	202702	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56830	18.903	ug/l	98
3) Chloromethane	2.21	50	40067	19.444	ug/l	97
4) Vinyl Chloride	2.35	62	44301	19.594	ug/l	89
5) Bromomethane	2.76	94	37061	22.251	ug/l	87
6) Chloroethane	2.92	64	28813	20.462	ug/l	92
7) Trichlorofluoromethane	3.27	101	117129	20.573	ug/l	93
8) Diethyl Ether	3.71	74	25745	19.761	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59915	19.808	ug/l	97
10) Methyl Iodide	4.30	142	56648	20.302	ug/l	97
11) Tert butyl alcohol	5.21	59	15925	58.437	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	53199	19.686	ug/l	90
13) Acrolein	3.92	56	10434	70.273	ug/l	95
14) Allyl chloride	4.71	41	60150	19.437	ug/l	99
15) Acrylonitrile	5.42	53	41205	94.789	ug/l	98
16) Acetone	4.16	43	41655	90.671	ug/l	92
17) Carbon Disulfide	4.41	76	151300	19.640	ug/l	97
18) Methyl Acetate	4.72	43	20179	19.257	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	102329	19.044	ug/l	99
20) Methylene Chloride	4.97	84	65146	19.390	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	62832	20.205	ug/l	89
22) Diisopropyl ether	6.37	45	117002	20.697	ug/l	97
23) Vinyl Acetate	6.31	43	318749	99.107	ug/l	100
24) 1,1-Dichloroethane	6.26	63	99442	20.549	ug/l	96
25) 2-Butanone	7.21	43	50207	95.873	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	100434	20.136	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	66821	19.606	ug/l	95
28) Bromochloromethane	7.55	49	31715	19.214	ug/l #	99
29) Tetrahydrofuran	7.57	42	26878	92.331	ug/l	92
30) Chloroform	7.71	83	115086	19.908	ug/l	88
31) Cyclohexane	7.99	56	73234	19.383	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	115910	20.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	82177	19.749	ug/l	99
37) Ethyl Acetate	7.30	43	24308	19.856	ug/l	97
38) Carbon Tetrachloride	8.10	117	107121	20.143	ug/l	98

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 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)
39) Methylcyclohexane	9.36	83	85648	19.689	ug/l	97
40) Benzene	8.36	78	231743	20.301	ug/l	98
41) Methacrylonitrile	7.53	41	15220	23.006	ug/l #	76
42) 1,2-Dichloroethane	8.43	62	70540	19.746	ug/l	97
43) Isopropyl Acetate	8.46	43	47010	19.352	ug/l	96
44) Trichloroethene	9.11	130	73972	20.239	ug/l	90
45) 1,2-Dichloropropane	9.39	63	53444	20.201	ug/l	93
46) Dibromomethane	9.48	93	32441	19.681	ug/l	96
47) Bromodichloromethane	9.66	83	88961	20.144	ug/l	97
48) Methyl methacrylate	9.46	41	21983	18.622	ug/l #	88
49) 1,4-Dioxane	9.47	88	6342	378.717	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	118217	97.570	ug/l	96
52) Toluene	10.41	92	159016	20.452	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	80331	20.707	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	92040	20.272	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	44654	19.866	ug/l	97
56) Ethyl methacrylate	10.66	69	44502	19.090	ug/l	98
57) 1,3-Dichloropropane	10.95	76	70867	19.812	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	122861	102.738	ug/l	98
59) 2-Hexanone	10.99	43	77914	94.107	ug/l	98
60) Dibromochloromethane	11.14	129	64440	19.659	ug/l	97
61) 1,2-Dibromoethane	11.25	107	44952	20.286	ug/l	99
64) Tetrachloroethene	10.88	164	63444	19.220	ug/l	99
65) Chlorobenzene	11.67	112	178438	20.425	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	70724	20.369	ug/l	99
67) Ethyl Benzene	11.75	91	302922	20.227	ug/l	96
68) m/p-Xylenes	11.86	106	237916	41.255	ug/l	99
69) o-Xylene	12.18	106	105675	19.788	ug/l	97
70) Styrene	12.20	104	186317	20.268	ug/l	99
71) Bromoform	12.37	173	37433	20.067	ug/l #	99
73) Isopropylbenzene	12.48	105	298468	20.501	ug/l	98
74) N-amyl acetate	12.29	43	41073	18.679	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	41940	18.801	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	60976	38.352	ug/l #	100
77) Bromobenzene	12.77	156	73463	20.240	ug/l	97
78) n-propylbenzene	12.83	91	349582	20.724	ug/l	99
79) 2-Chlorotoluene	12.91	91	202678	20.719	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	265889	21.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	13158	18.768	ug/l	97
82) 4-Chlorotoluene	13.01	91	216318	20.835	ug/l	99
83) tert-Butylbenzene	13.23	119	220075	20.593	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	262134	20.964	ug/l	99
85) sec-Butylbenzene	13.41	105	298476	20.354	ug/l	99
86) p-Isopropyltoluene	13.52	119	286976	20.734	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	145236	20.789	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	144790	20.919	ug/l	98
89) n-Butylbenzene	13.85	91	250088	20.539	ug/l	99
90) Hexachloroethane	14.11	117	48516	20.087	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	123599	20.252	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7692	18.981	ug/l	90

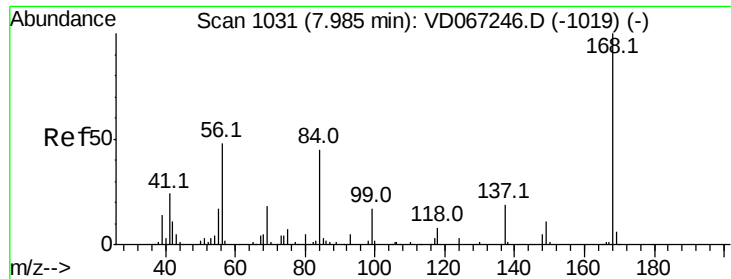
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83242	20.230	ug/l	98
94) Hexachlorobutadiene	15.27	225	50911	19.924	ug/l	98
95) Naphthalene	15.41	128	128133	18.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	72498	20.394	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

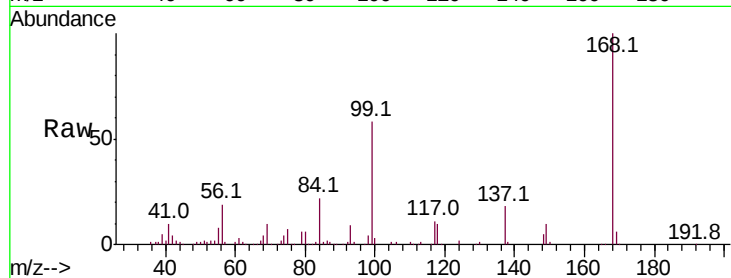
VD1020SBSD01

Tot Ion:168 Resp: 327427

Ion Ratio Lower Upper

168 100

99 57.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

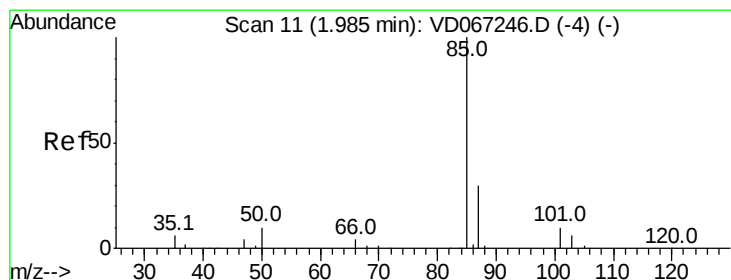
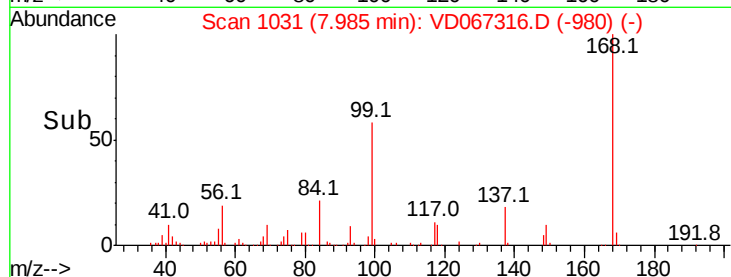
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.903 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067316.D

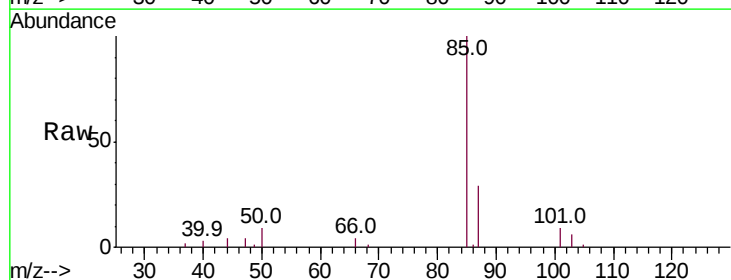
Acq: 20 Oct 2020 11:39

Tgt Ion: 85 Resp: 56830

Ion Ratio Lower Upper

85 100

87 29.3 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

50000

40000

30000

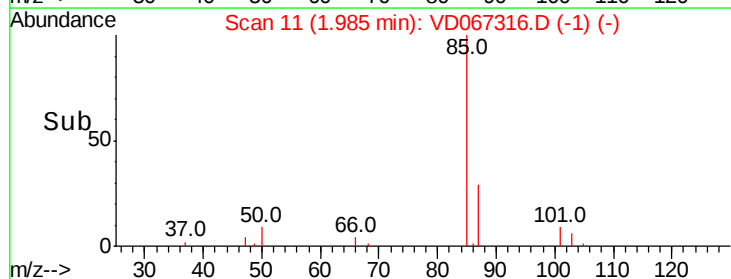
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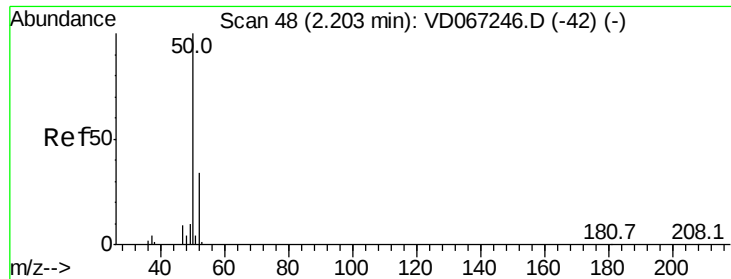
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.444 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

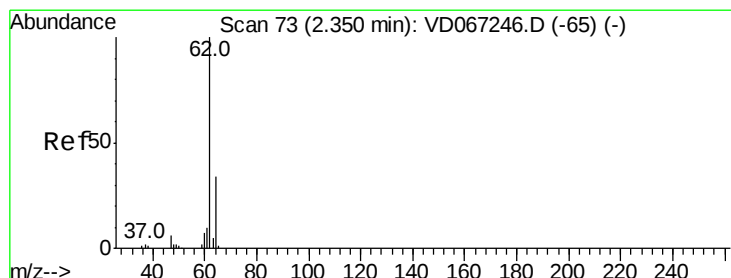
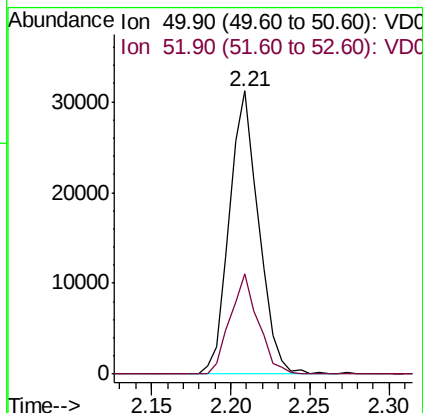
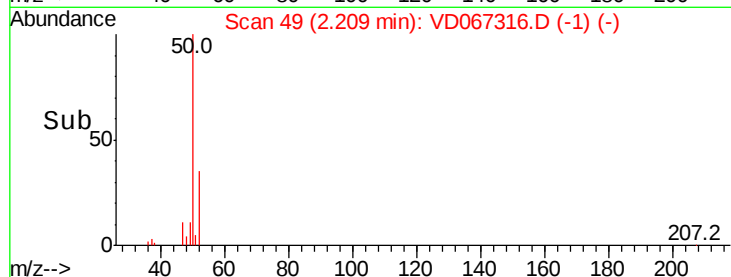
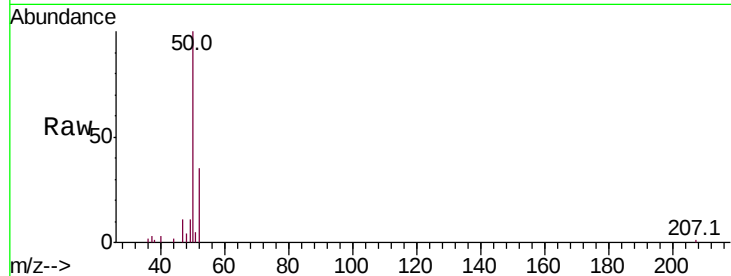
VD1020SBSD01

Tot Ion: 50 Resp: 40067

Ion Ratio Lower Upper

50 100

52 35.5 27.1 40.7



#4

Vinyl Chloride

Concen: 19.594 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067316.D

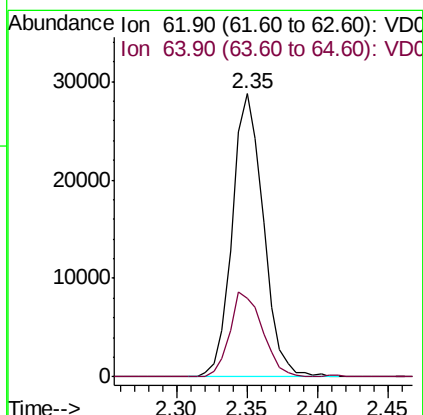
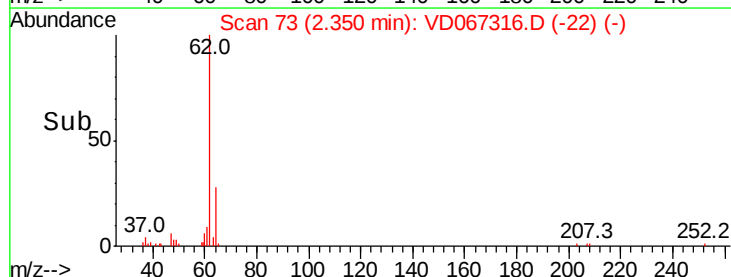
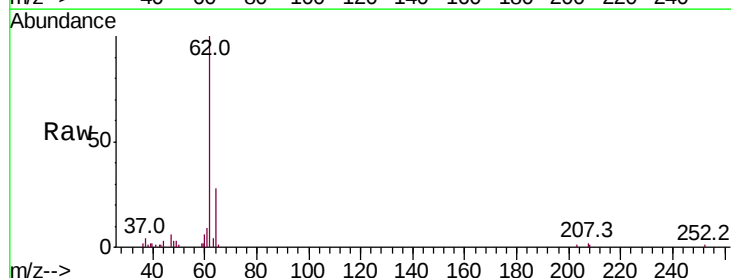
Acq: 20 Oct 2020 11:39

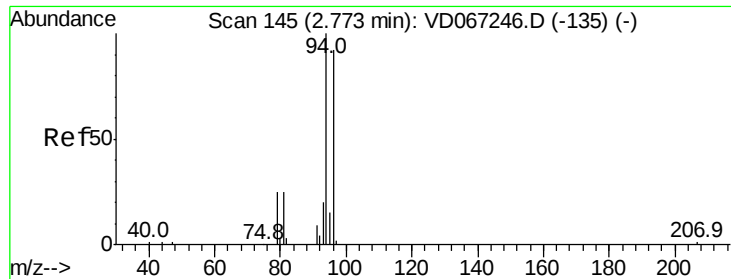
Tgt Ion: 62 Resp: 44301

Ion Ratio Lower Upper

62 100

64 27.6 27.4 41.0





#5

Bromomethane

Concen: 22.251 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

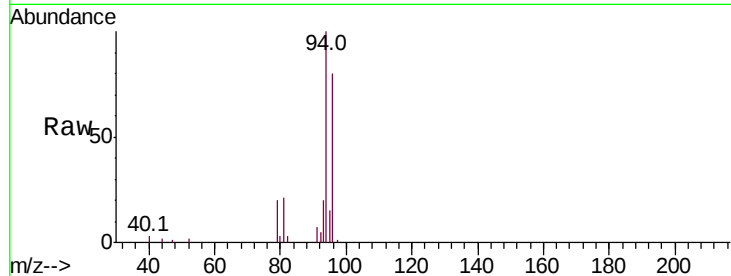
VD1020SBS01

Tot Ion: 94 Resp: 37061

Ion Ratio Lower Upper

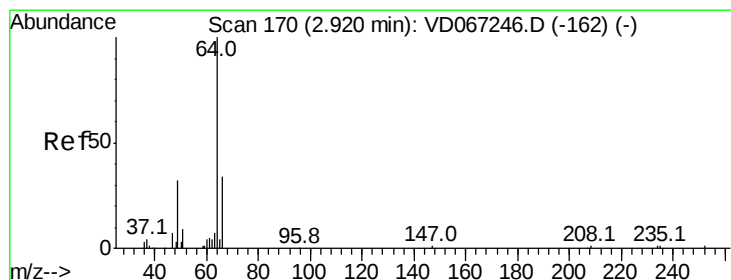
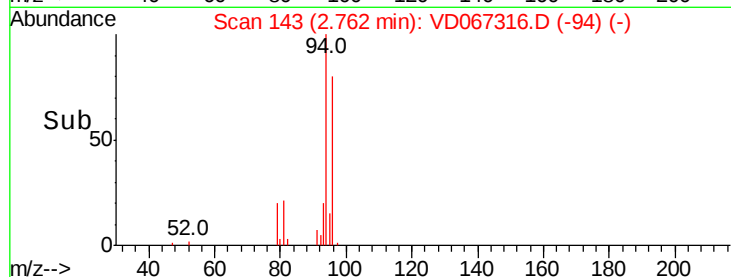
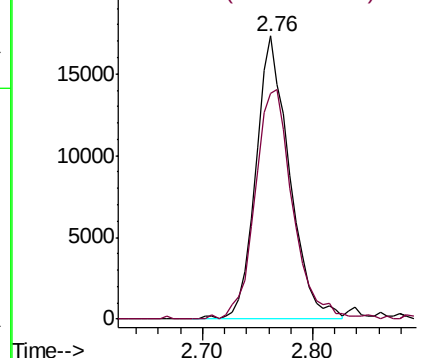
94 100

96 79.7 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: 20.462 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067316.D

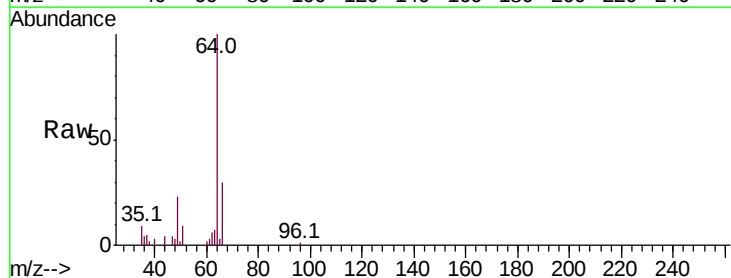
Acq: 20 Oct 2020 11:39

Tgt Ion: 64 Resp: 28813

Ion Ratio Lower Upper

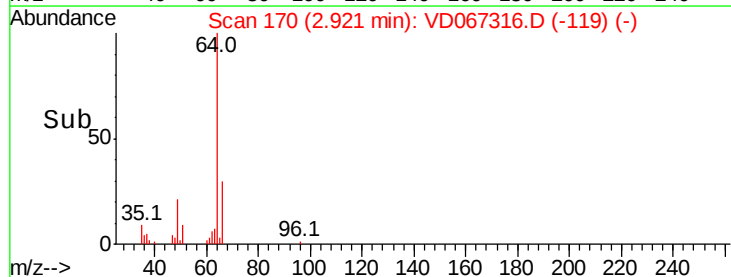
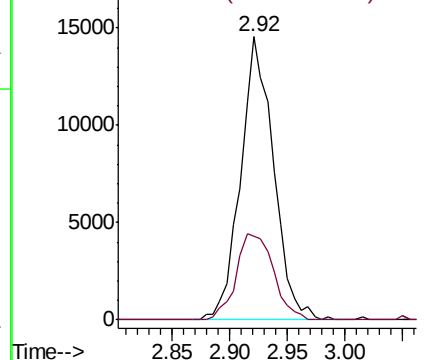
64 100

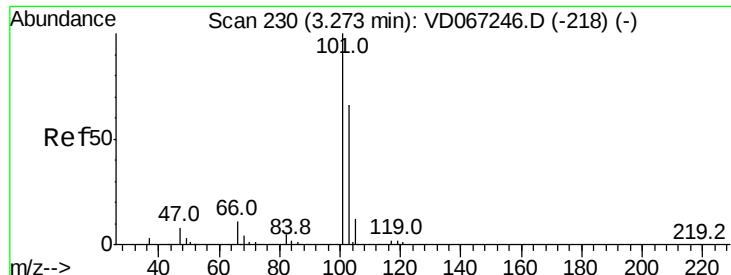
66 29.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



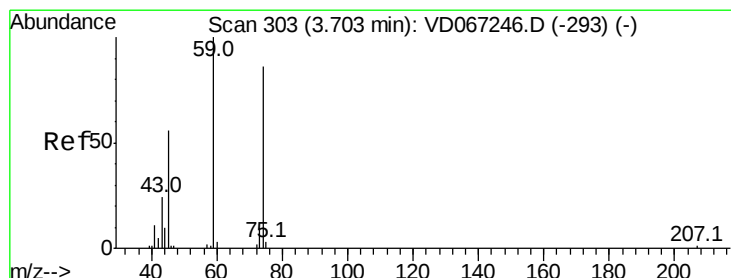
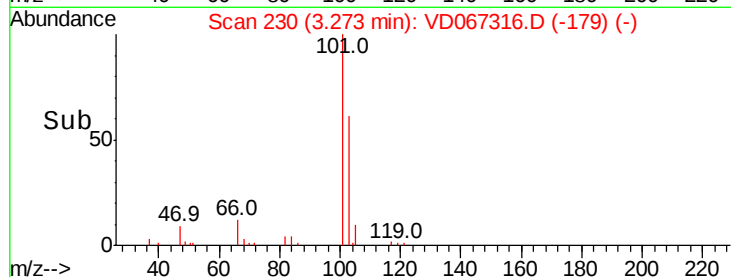
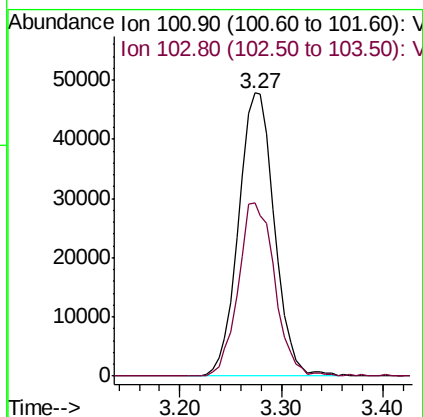
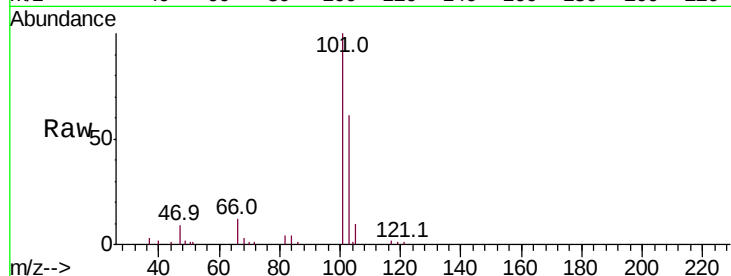


#7

Trichlorofluoromethane
 Concen: 20.573 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBSD01

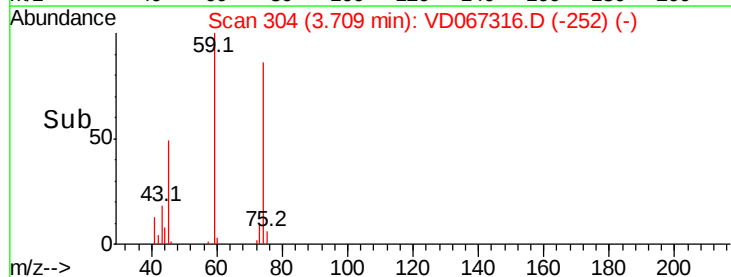
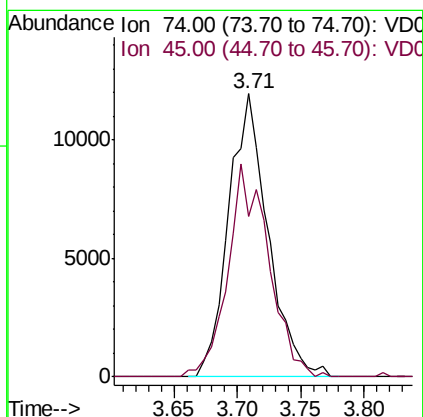
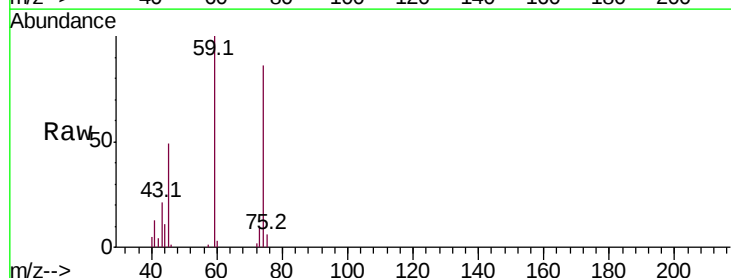
Tot Ion:101 Resp: 117129
 Ion Ratio Lower Upper
 101 100
 103 61.2 53.1 79.7

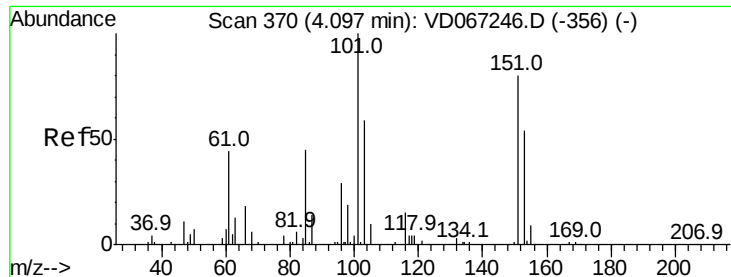


#8

Diethyl Ether
 Concen: 19.761 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion: 74 Resp: 25745
 Ion Ratio Lower Upper
 74 100
 45 77.3 37.0 111.1

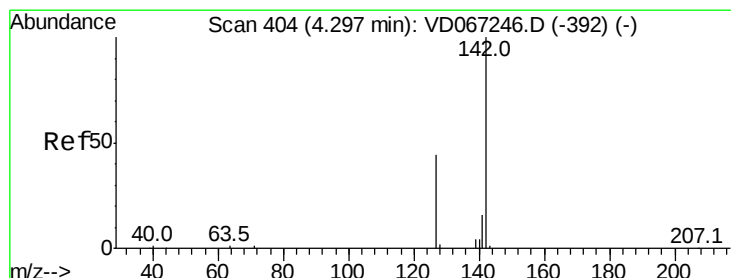
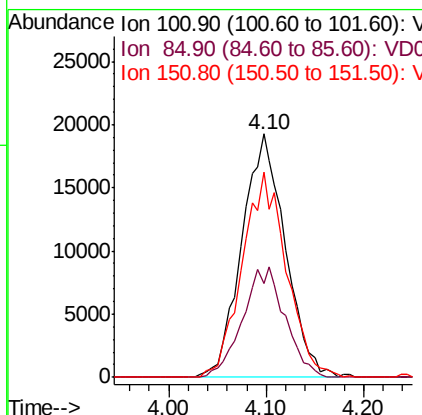
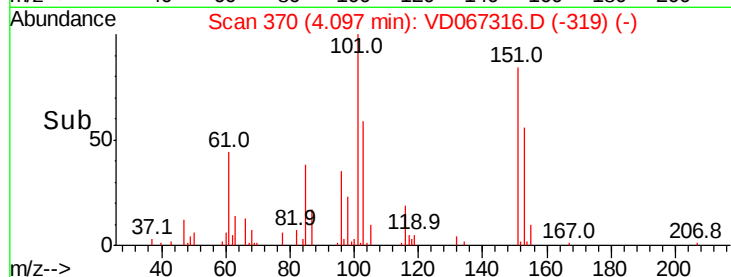
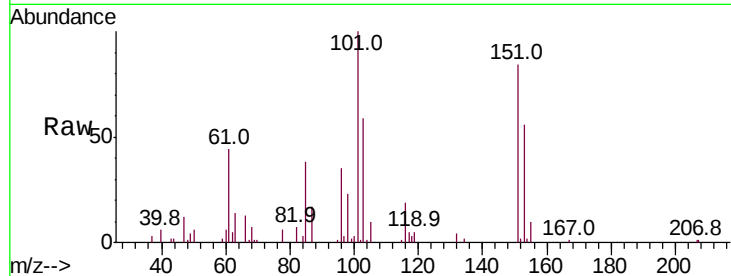




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.808 ug/l
 RT: 4.10 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

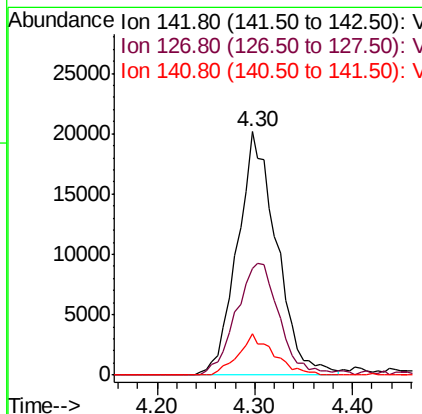
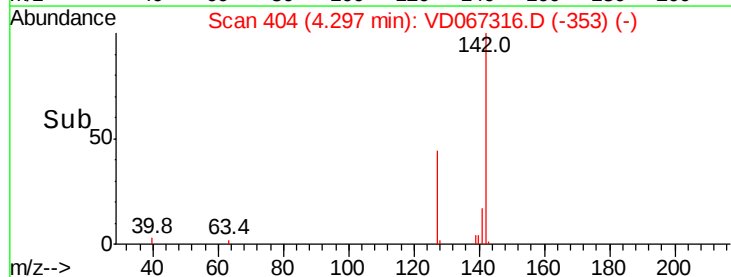
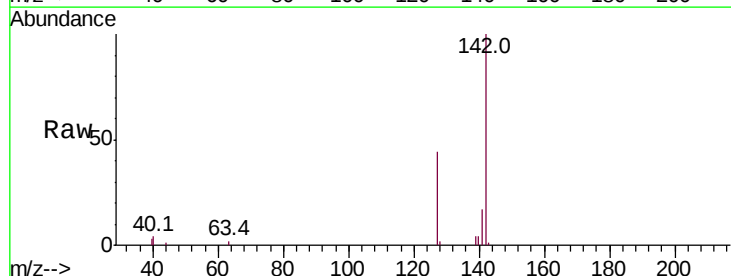
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBSD01

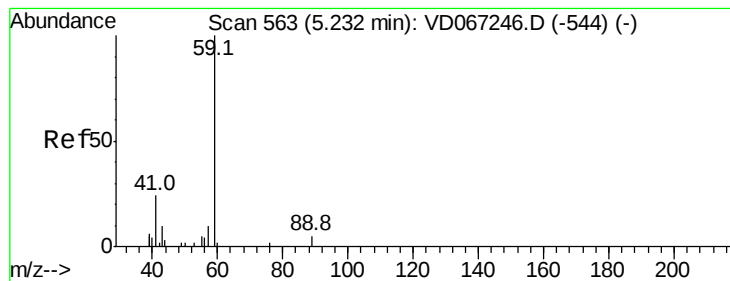
Tot Ion	Ratio	Lower	Upper
101	100		
85	44.3	34.2	51.4
151	85.6	66.3	99.5



#10
 Methyl Iodide
 Concen: 20.302 ug/l
 RT: 4.30 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
142	100		
127	50.4	38.4	57.6
141	15.3	11.6	17.4





#11

Tert butyl alcohol

Concen: 58.437 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

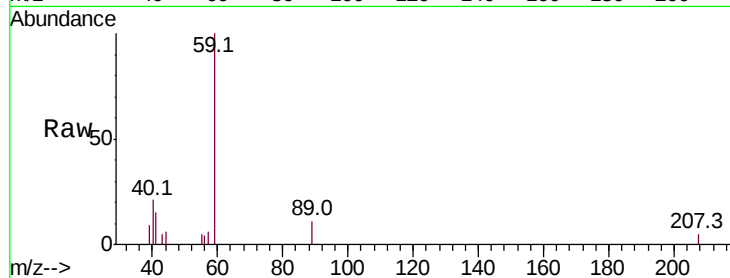
VD1020SBS01

Tot Ion: 59 Resp: 15925

Ion Ratio Lower Upper

59 100

57 4.1 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

4000

3000

2000

1000

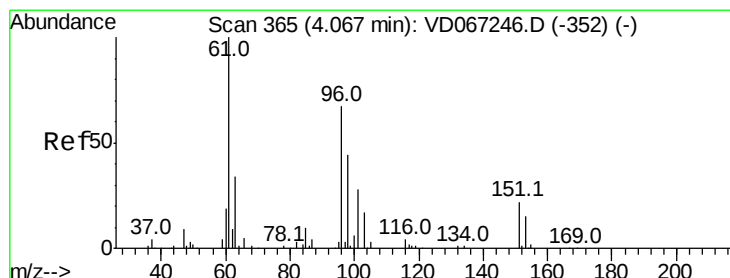
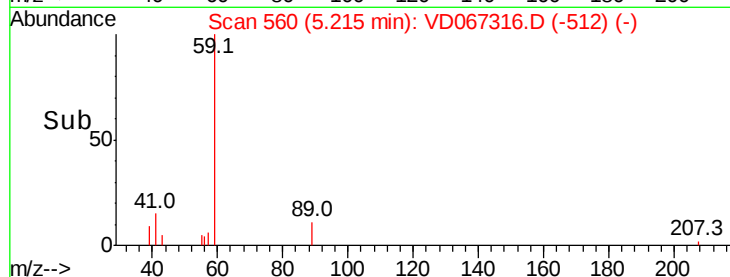
0

Time-->

5.10

5.20

5.30



#12

1,1-Dichloroethene

Concen: 19.686 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

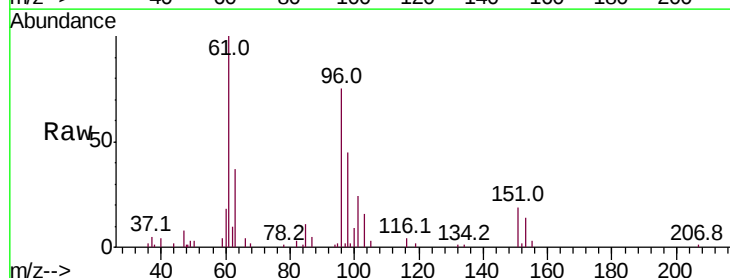
Tgt Ion: 96 Resp: 53199

Ion Ratio Lower Upper

96 100

61 133.6 118.6 177.8

98 60.8 51.8 77.6



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

30000

20000

10000

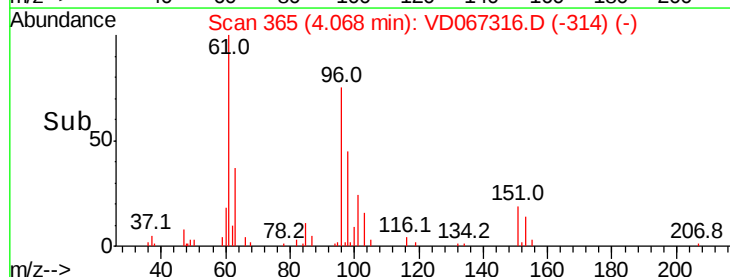
0

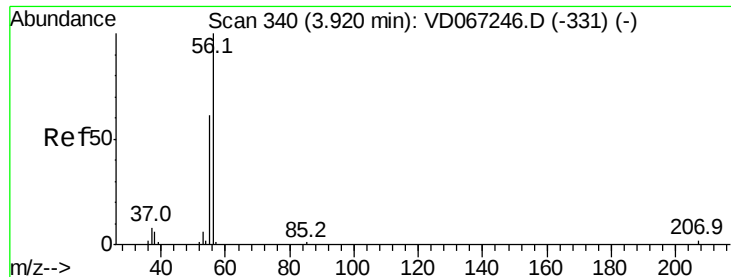
Time-->

4.00

4.10

4.20





#13

Acrolein

Concen: 70.273 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

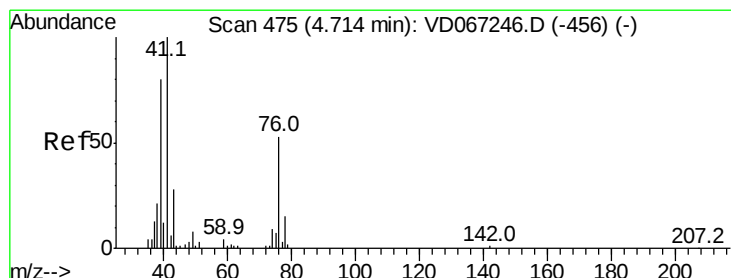
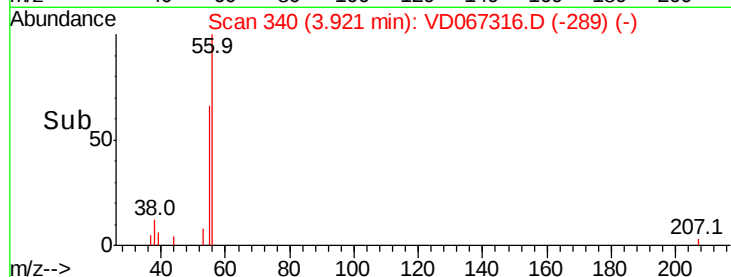
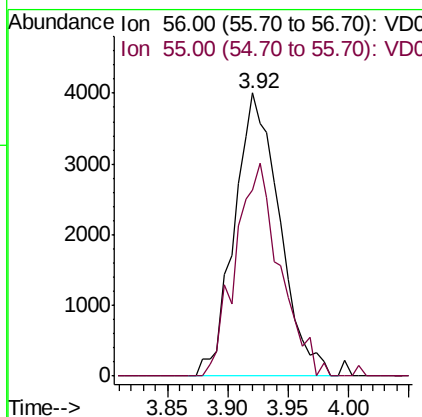
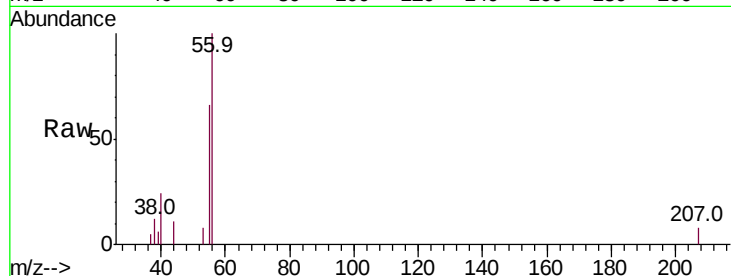
VD1020SBS01

Tot Ion: 56 Resp: 10434

Ion Ratio Lower Upper

56 100

55 74.0 56.0 84.0



#14

Allyl chloride

Concen: 19.437 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

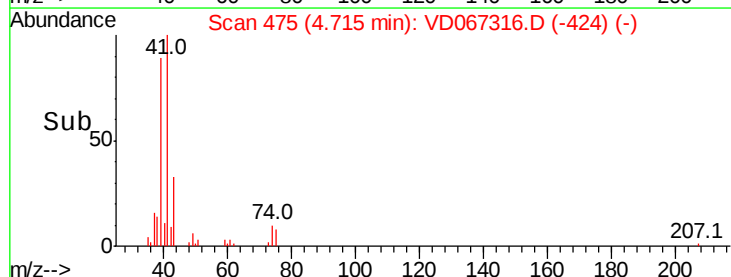
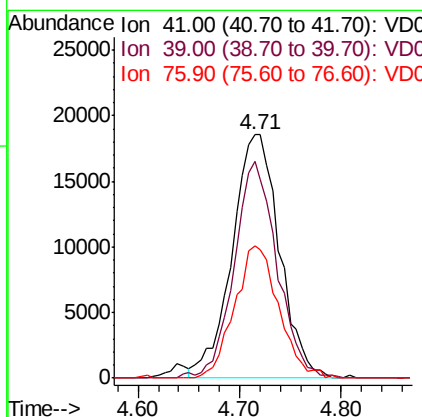
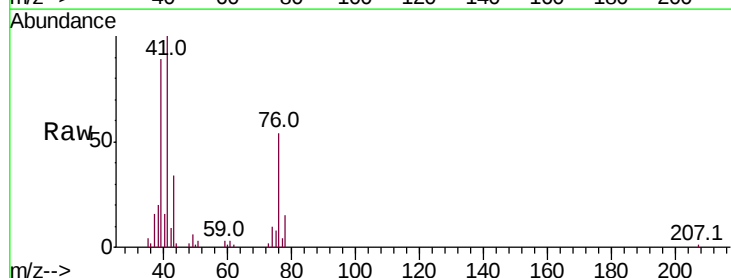
Tgt Ion: 41 Resp: 60150

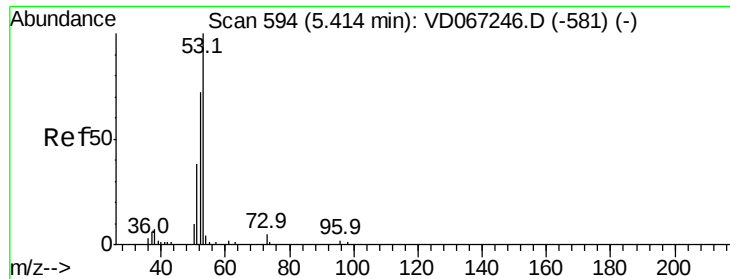
Ion Ratio Lower Upper

41 100

39 80.7 63.8 95.6

76 50.8 40.4 60.6





#15

Acrylonitrile

Concen: 94.789 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

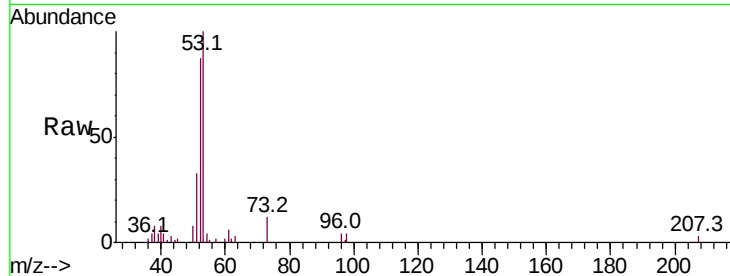
Tot Ion: 53 Resp: 41205

Ion Ratio Lower Upper

53 100

52 83.9 65.6 98.4

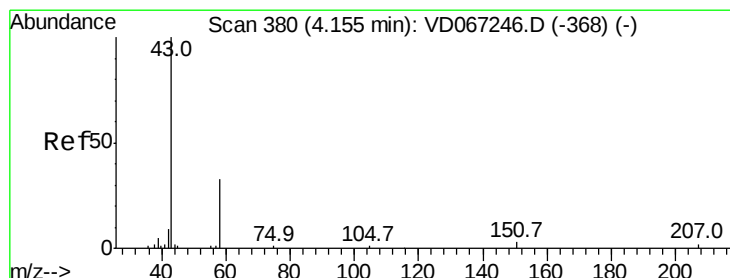
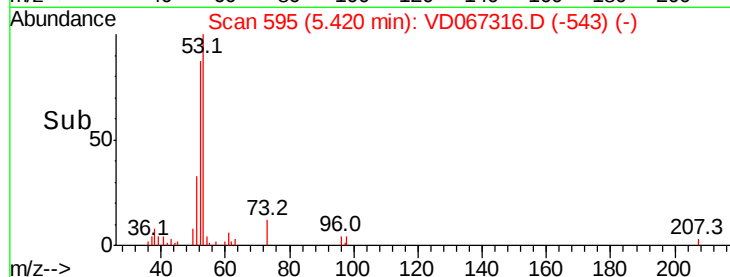
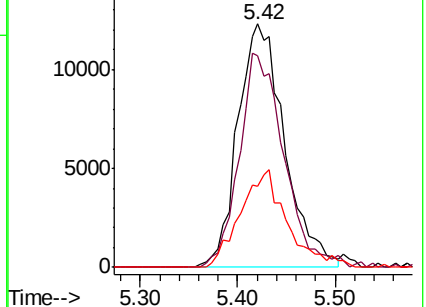
51 40.2 30.8 46.2



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: 90.671 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067316.D

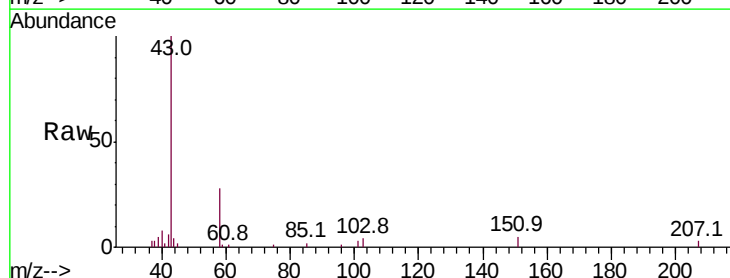
Acq: 20 Oct 2020 11:39

Tgt Ion: 43 Resp: 41655

Ion Ratio Lower Upper

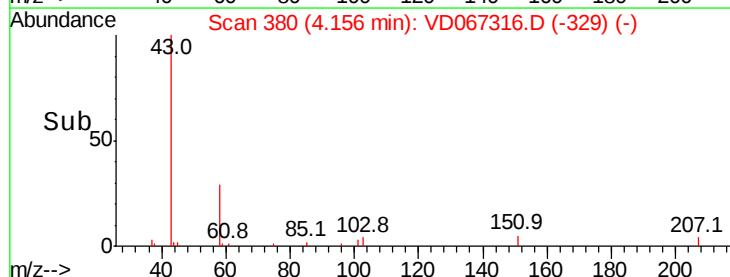
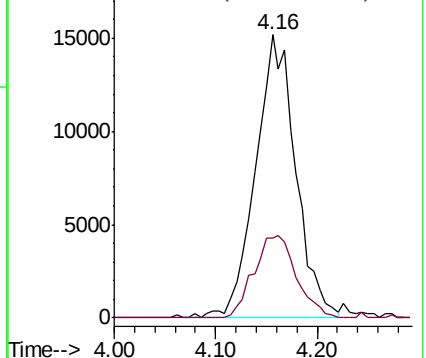
43 100

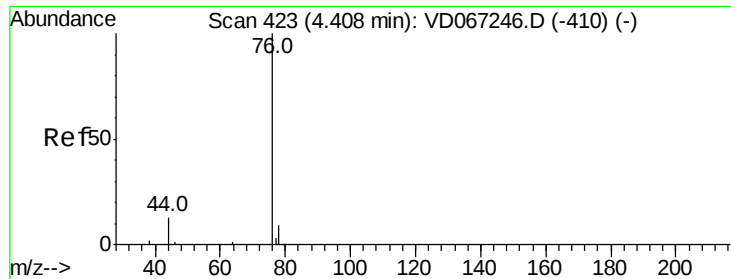
58 28.2 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

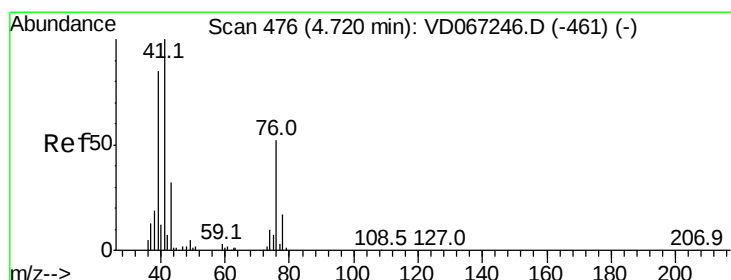
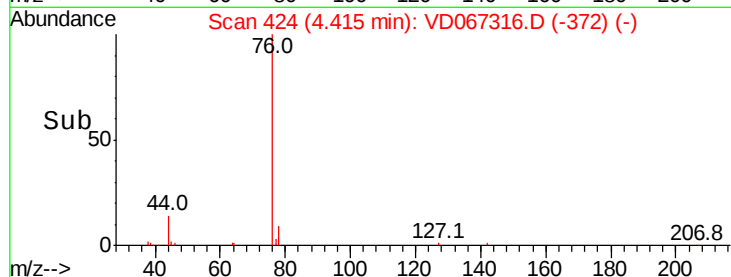
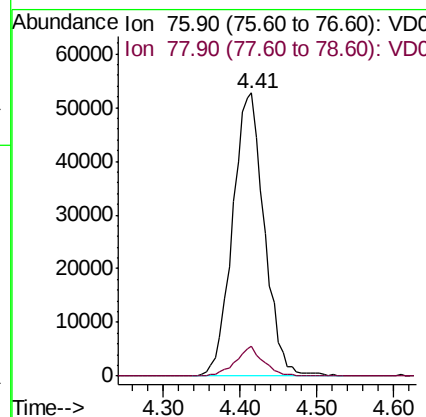
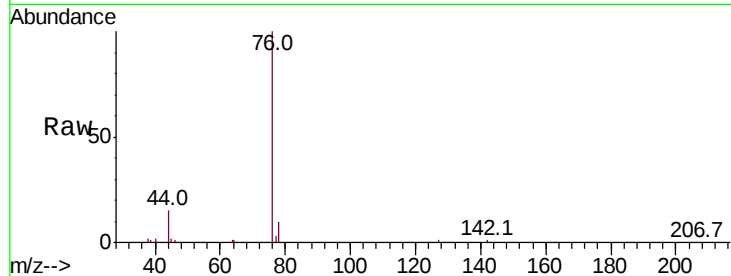




#17
Carbon Disulfide
Concen: 19.640 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

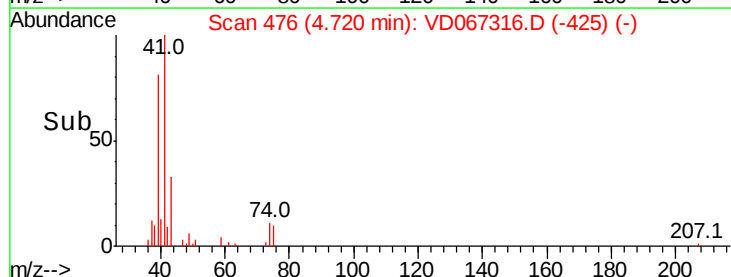
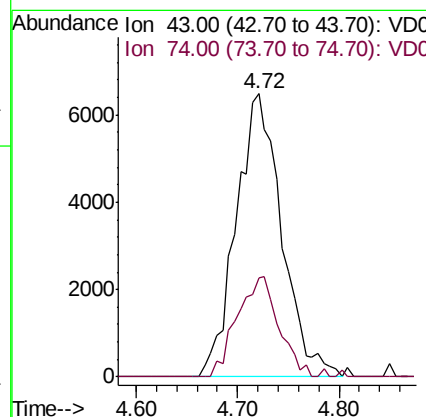
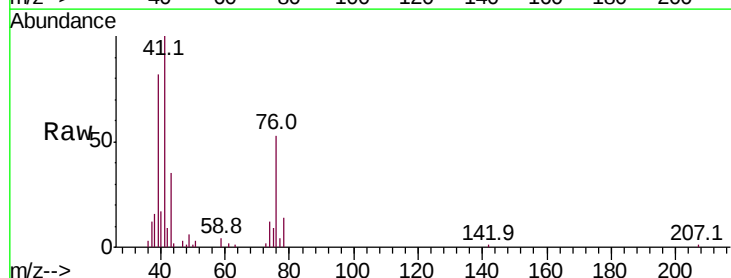
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

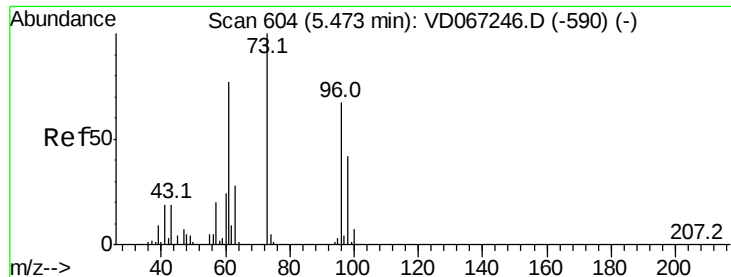
Tot Ion: 76 Resp: 151300
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.0



#18
Methyl Acetate
Concen: 19.257 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 43 Resp: 20179
Ion Ratio Lower Upper
43 100
74 32.3 26.6 39.8

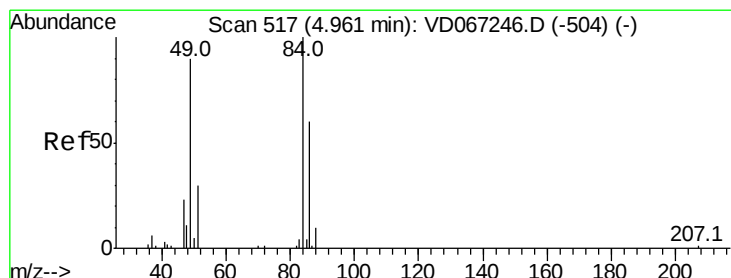
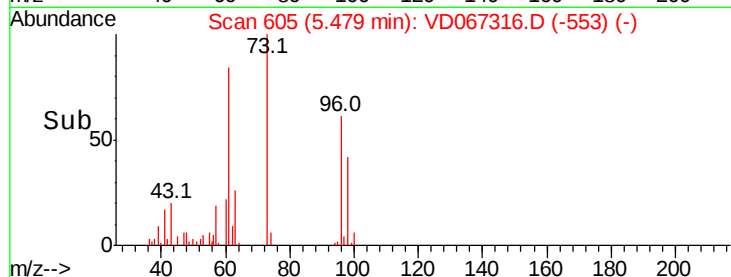
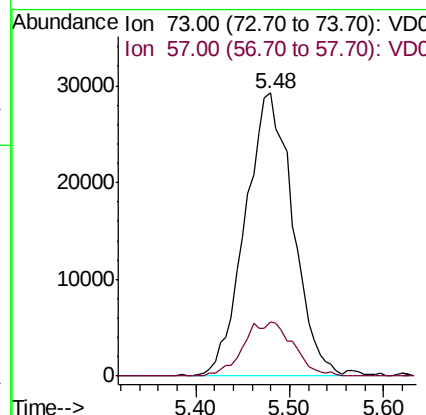
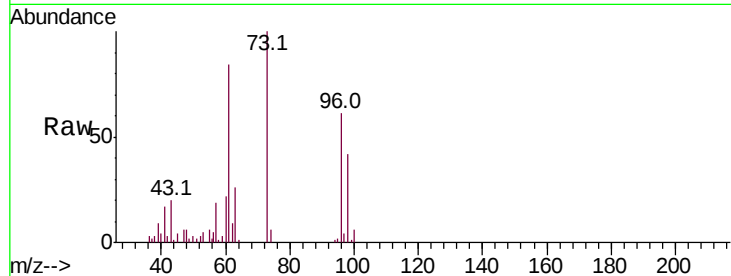




#19
Methvl tert-butvl Ether
Concen: 19.044 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

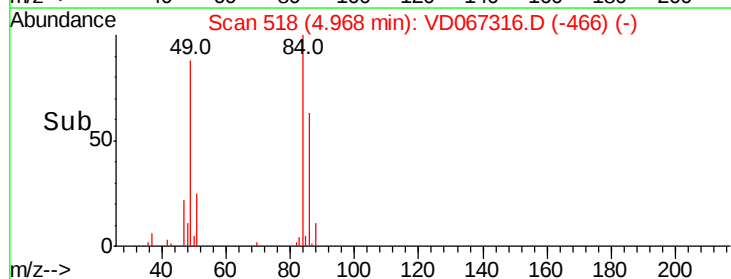
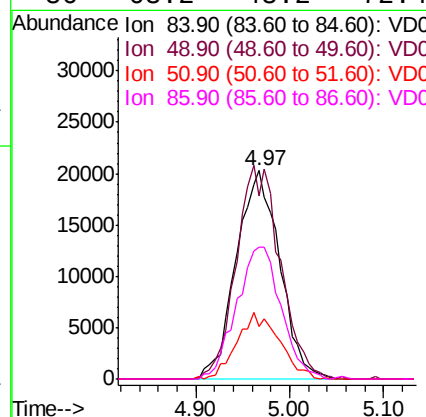
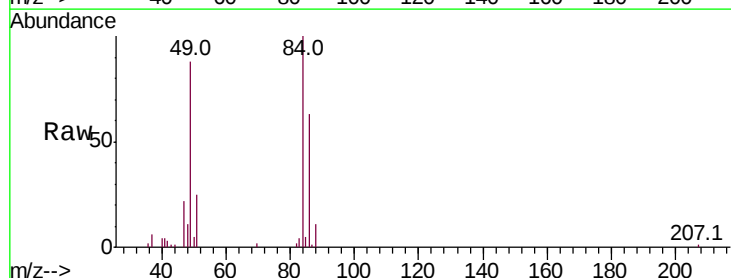
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

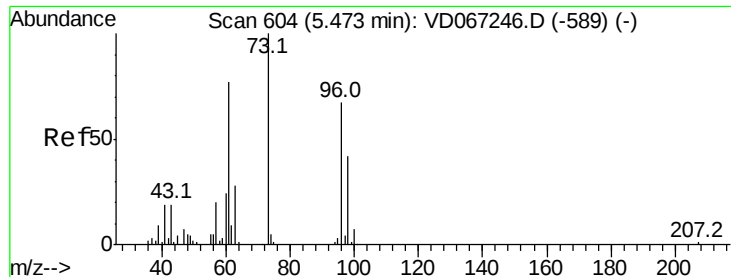
Tot Ion: 73 Resp: 102329
Ion Ratio Lower Upper
73 100
57 19.1 15.7 23.5



#20
Methylene Chloride
Concen: 19.390 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 84 Resp: 65146
Ion Ratio Lower Upper
84 100
49 87.6 72.2 108.2
51 24.9 23.8 35.8
86 63.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.205 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBSD01

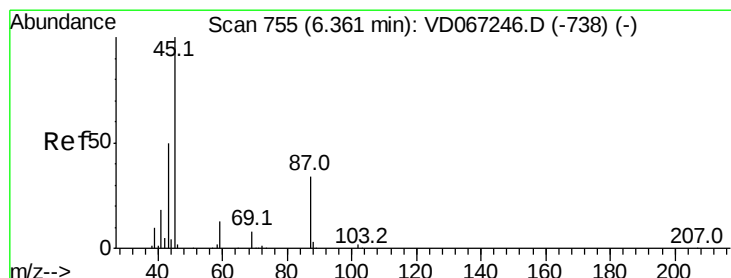
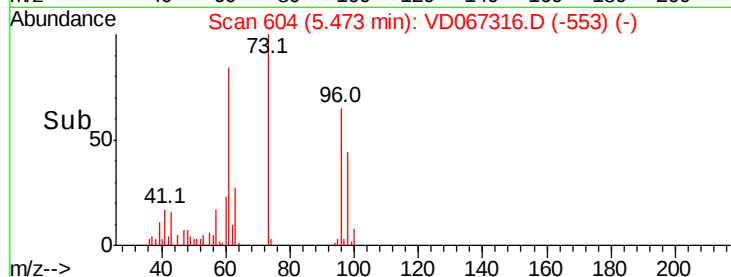
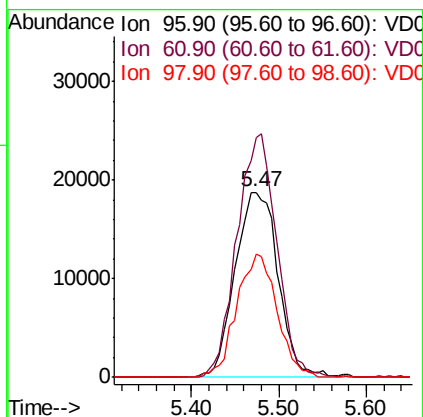
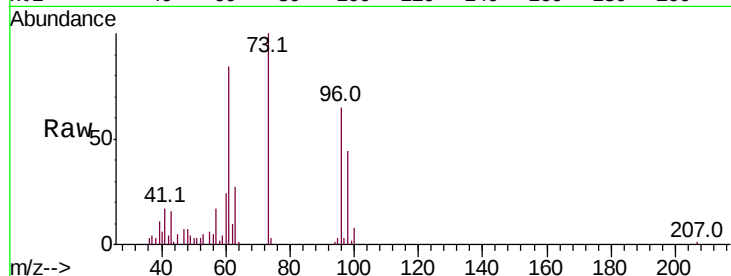
Tot Ion: 96 Resp: 62832

Ion Ratio Lower Upper

96 100

61 129.3 92.0 138.0

98 66.9 49.8 74.8



#22

Diisopropyl ether

Concen: 20.697 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion: 45 Resp: 117002

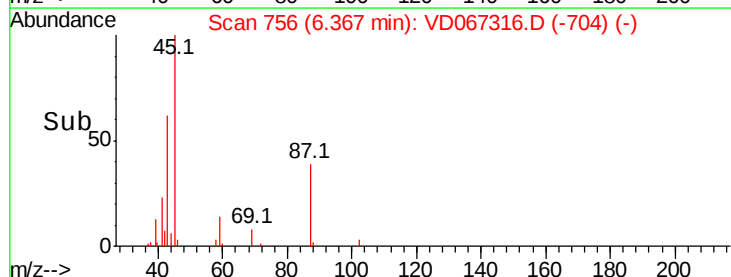
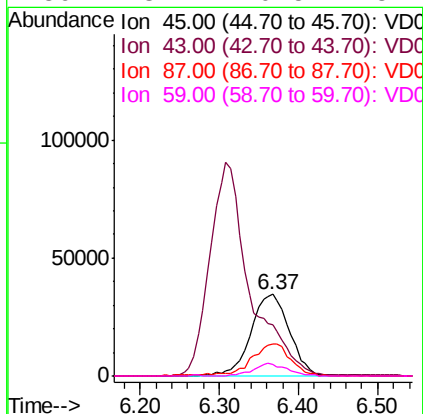
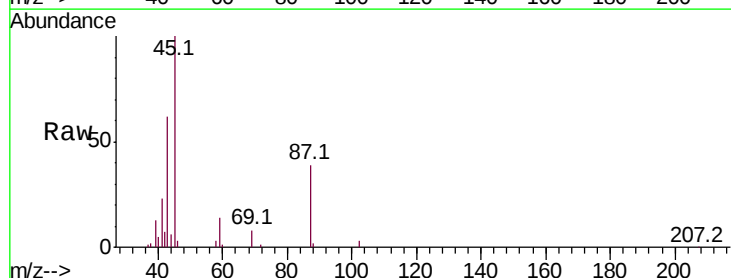
Ion Ratio Lower Upper

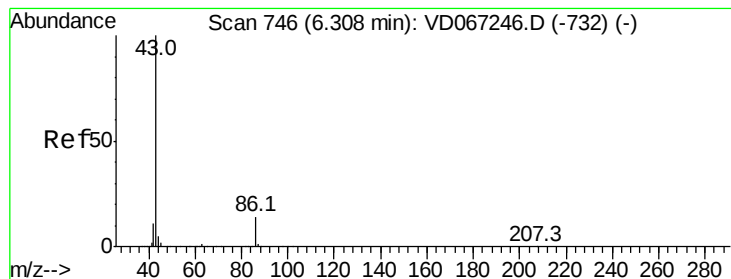
45 100

43 61.0 48.0 72.0

87 39.1 28.5 42.7

59 13.7 10.5 15.7





#23

Vinyl Acetate

Concen: 99.107 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

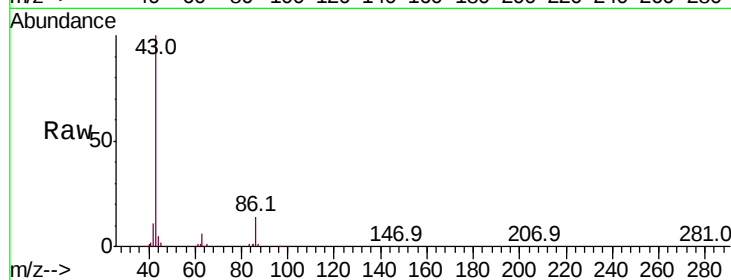
VD1020SBS01

Tot Ion: 43 Resp: 318749

Ion Ratio Lower Upper

43 100

86 13.7 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

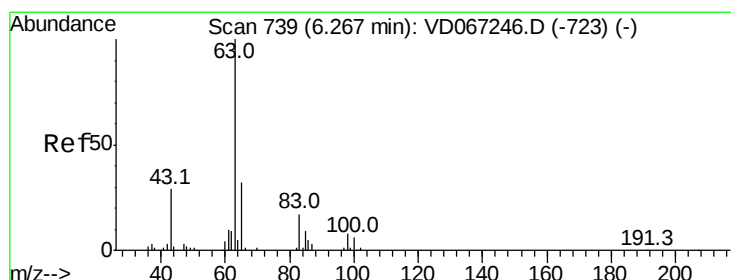
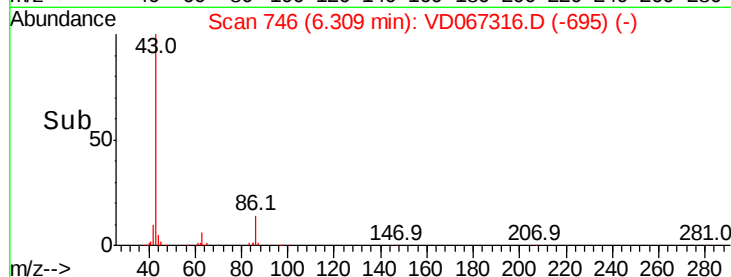
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.549 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

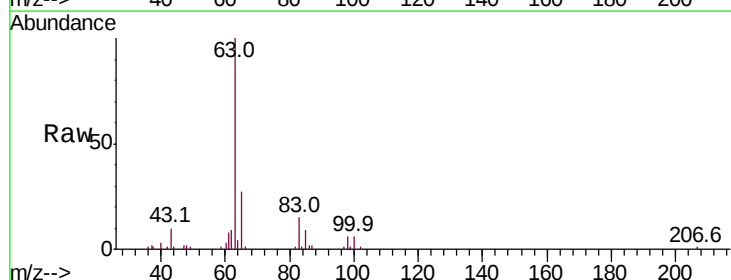
Tgt Ion: 63 Resp: 99442

Ion Ratio Lower Upper

63 100

98 6.1 4.0 12.2

100 5.9 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

40000

30000

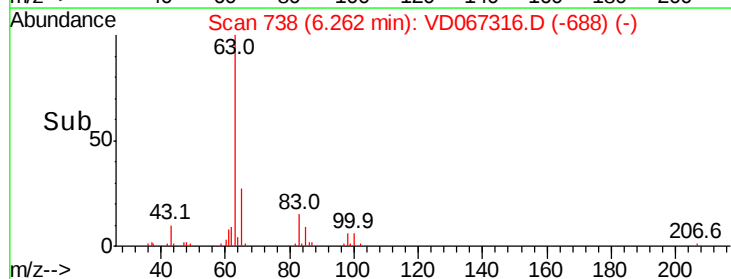
20000

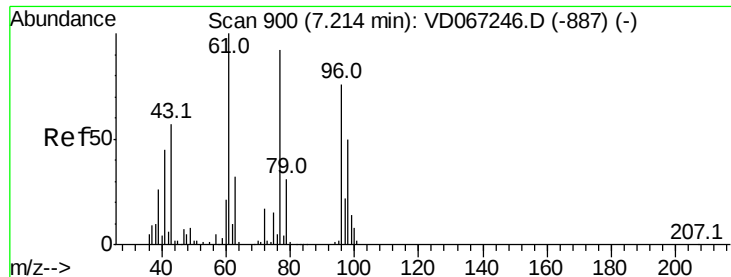
10000

0

Time-->

6.10 6.20 6.30 6.40

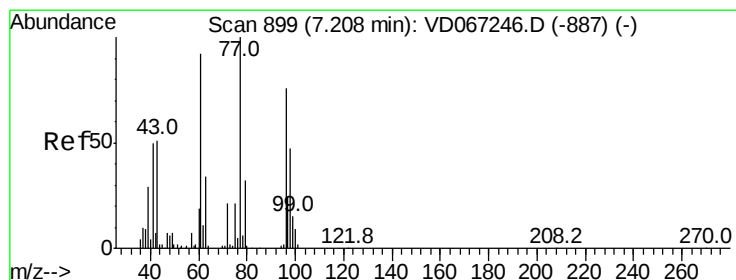
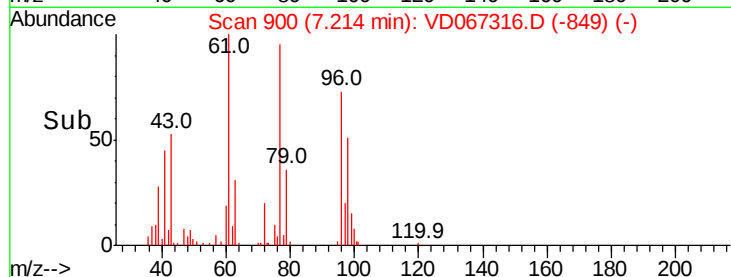
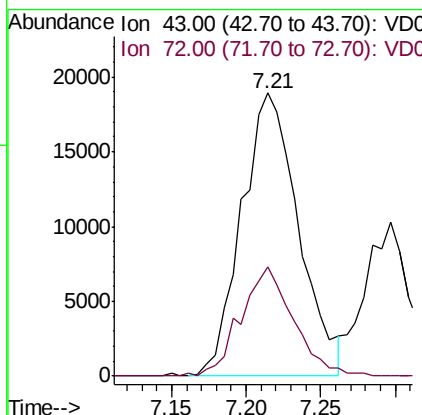
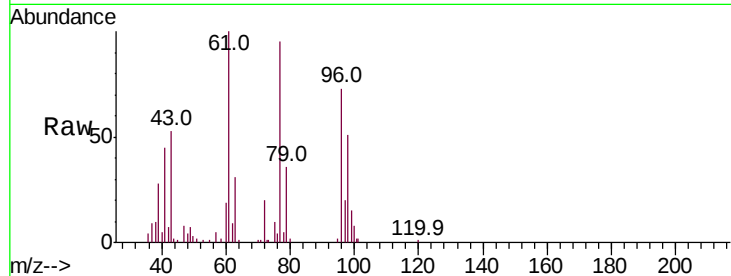




#25
2-Butanone
Concen: 95.873 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

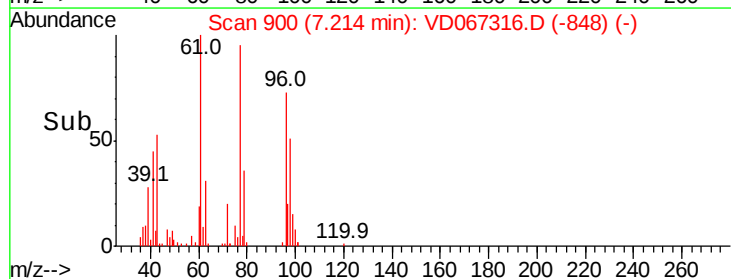
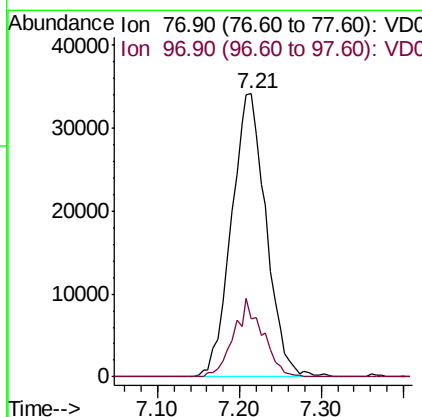
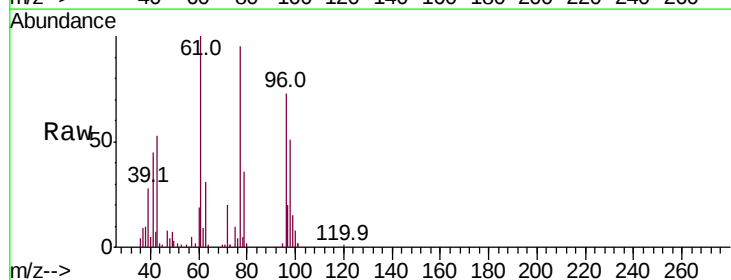
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

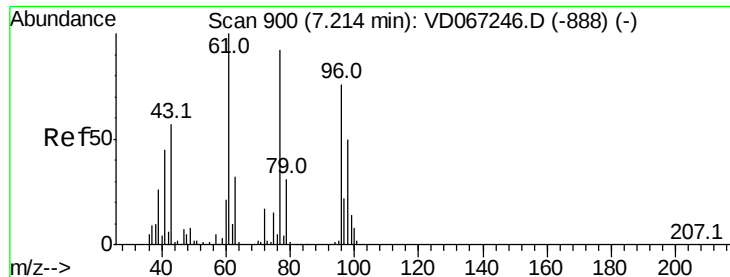
Tot Ion: 43 Resp: 50207
Ion Ratio Lower Upper
43 100
72 37.7 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 20.136 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 77 Resp: 100434
Ion Ratio Lower Upper
77 100
97 23.0 11.4 34.2



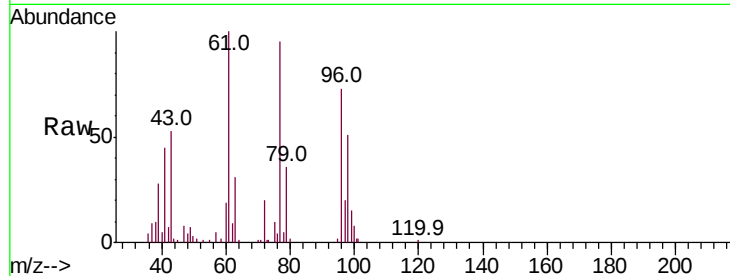


#27

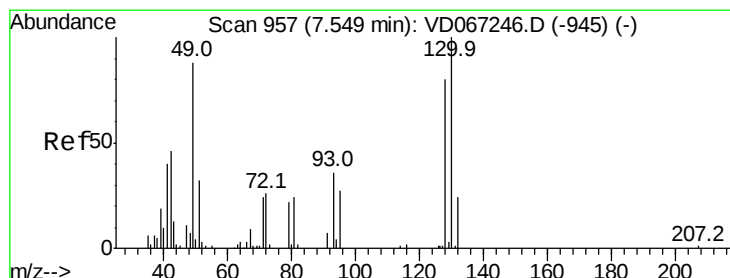
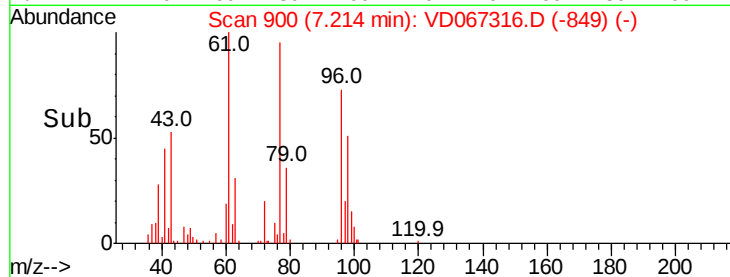
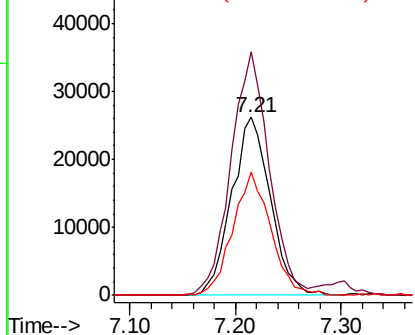
cis-1,2-Dichloroethene
Concen: 19.606 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

Tot Ion: 96 Resp: 66821
Ion Ratio Lower Upper
96 100
61 134.1 0.0 255.4
98 67.7 0.0 128.0



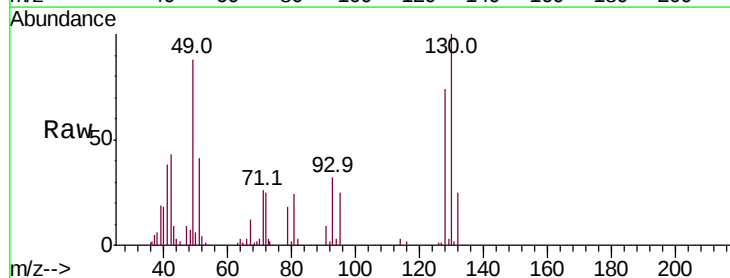
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



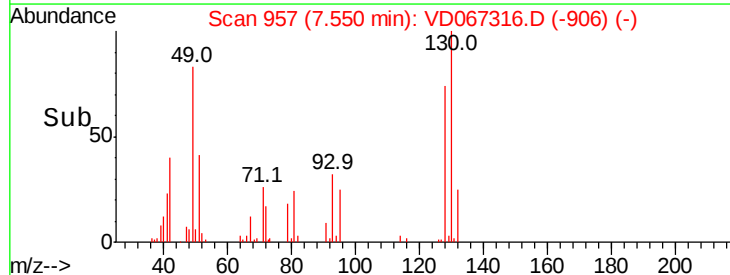
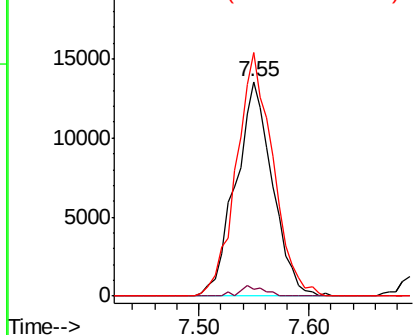
#28

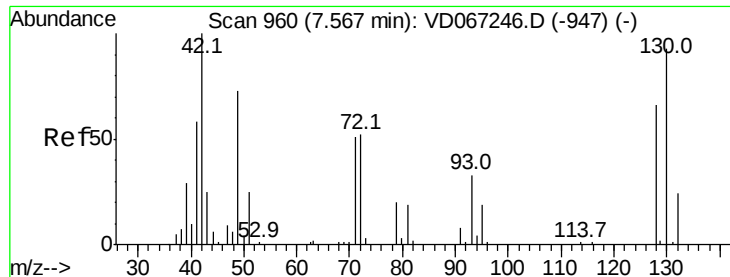
Bromochloromethane
Concen: 19.214 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 49 Resp: 31715
Ion Ratio Lower Upper
49 100
129 3.0 0.0 1.6#
130 113.1 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: 92.331 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

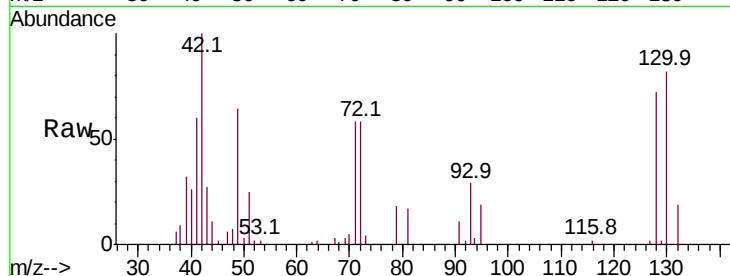
Tot Ion: 42 Resp: 26878

Ion Ratio Lower Upper

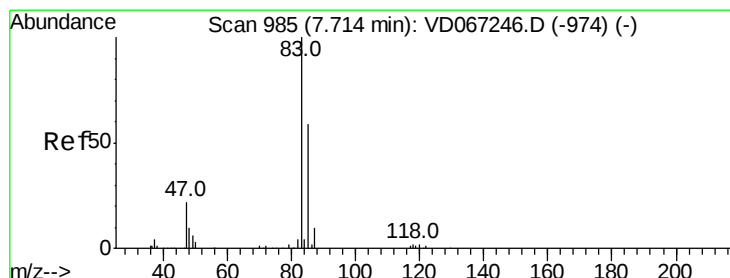
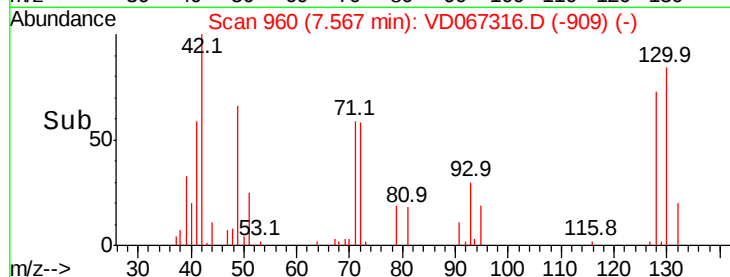
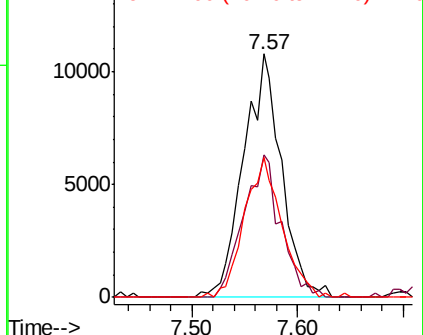
42 100

72 57.3 43.2 64.8

71 57.0 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: 19.908 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067316.D

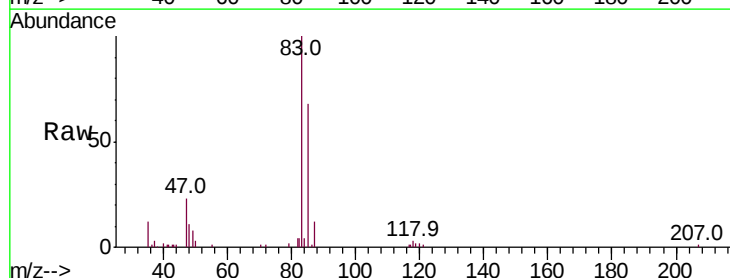
Acq: 20 Oct 2020 11:39

Tgt Ion: 83 Resp: 115086

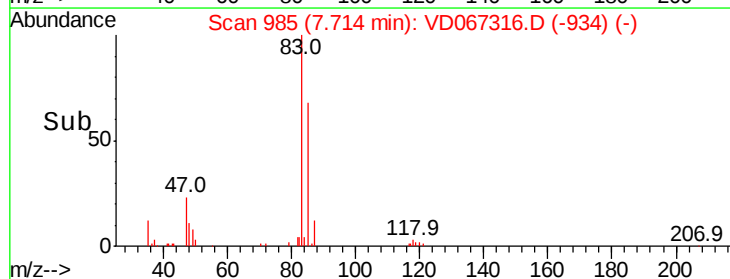
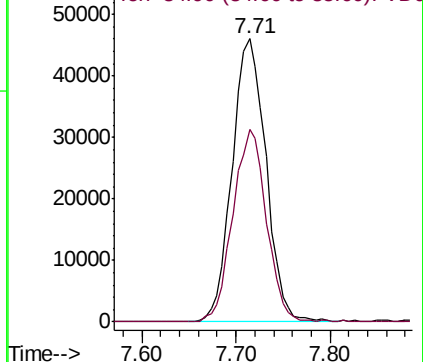
Ion Ratio Lower Upper

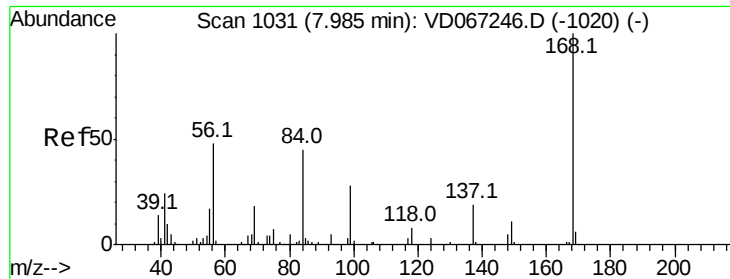
83 100

85 67.9 47.3 70.9



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

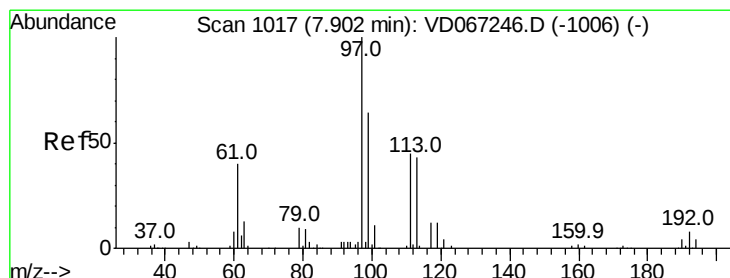
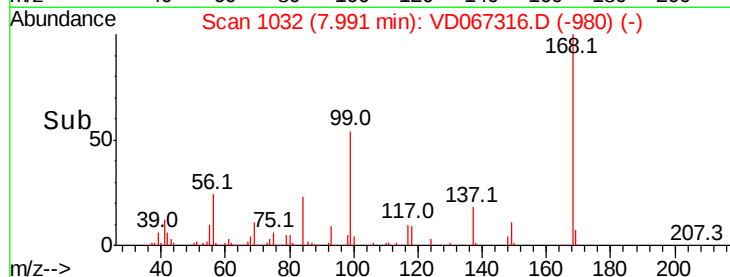
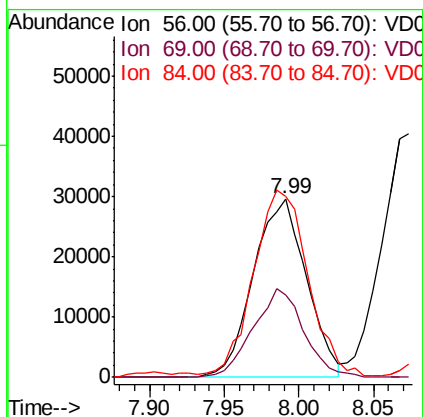
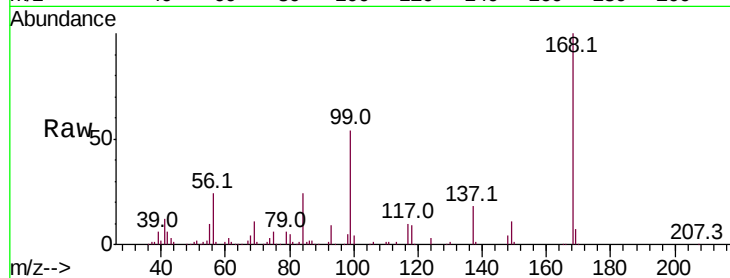




#31
Cyclohexane
Concen: 19.383 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

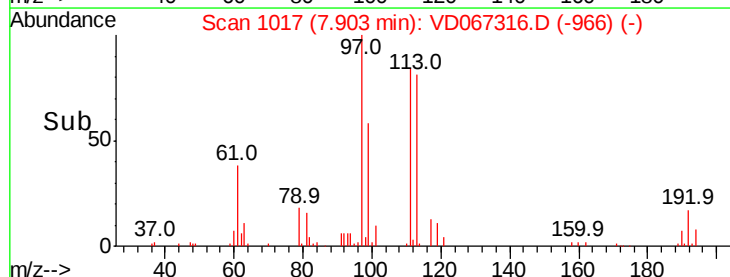
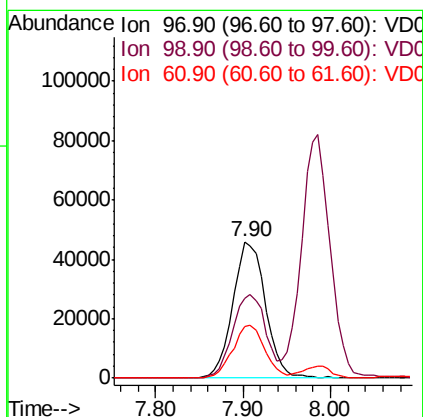
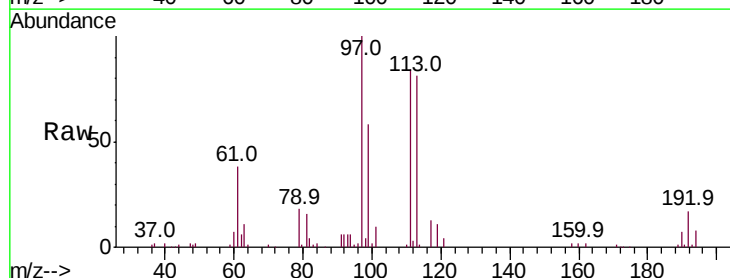
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

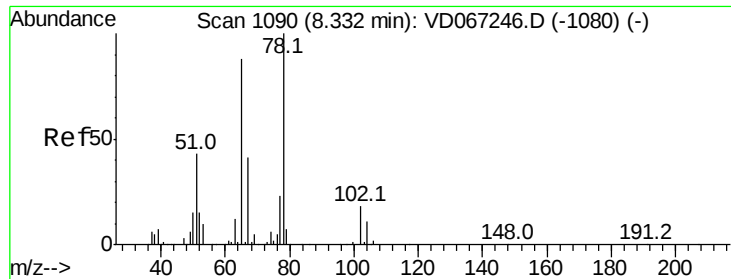
Tot Ion: 56 Resp: 73234
Ion Ratio Lower Upper
56 100
69 45.8 29.8 44.6#
84 98.9 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.435 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 97 Resp: 115910
Ion Ratio Lower Upper
97 100
99 61.3 50.2 75.4
61 38.0 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 46.276 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

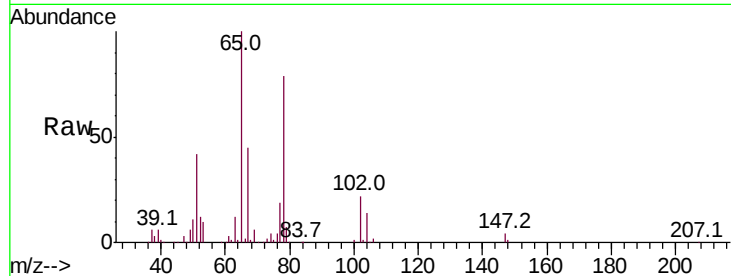
VD1020SBS01

Tot Ion: 65 Resp: 151802

Ion Ratio Lower Upper

65 100

67 48.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

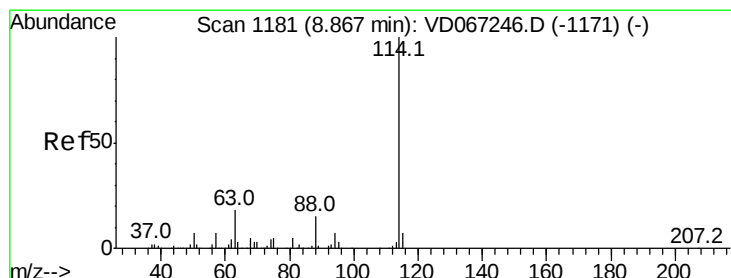
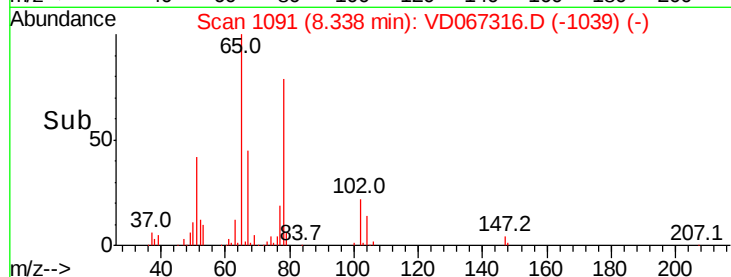
60000

40000

20000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

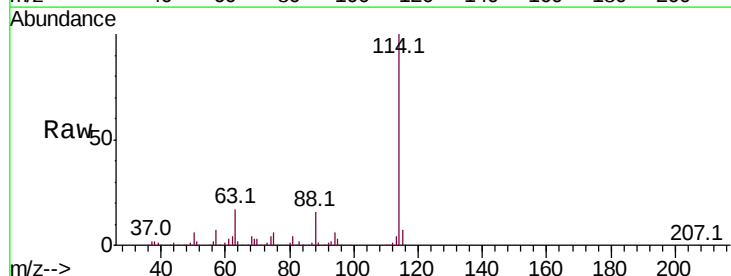
Tgt Ion: 114 Resp: 490933

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 16.0 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

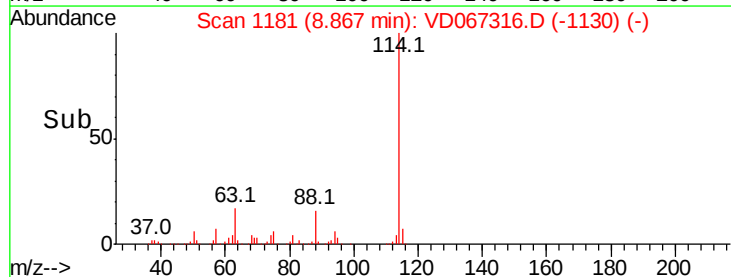
300000

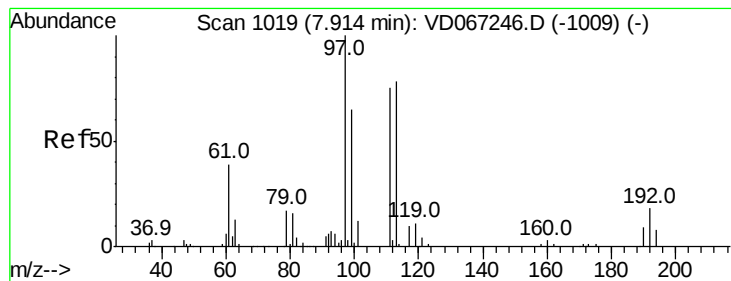
200000

100000

0

Time--> 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 48.546 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBSD01

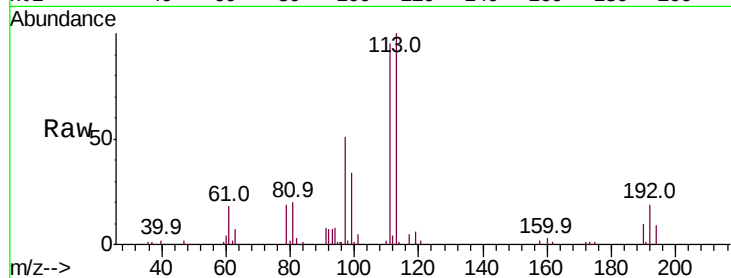
Tot Ion:113 Resp: 158607

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

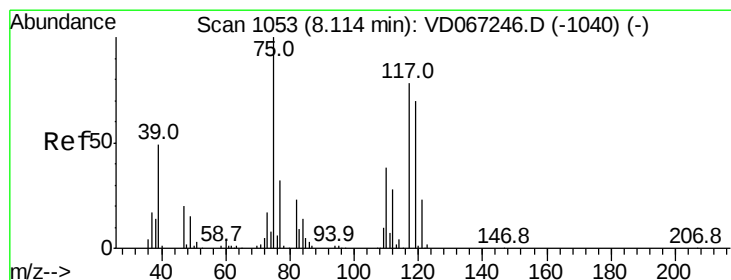
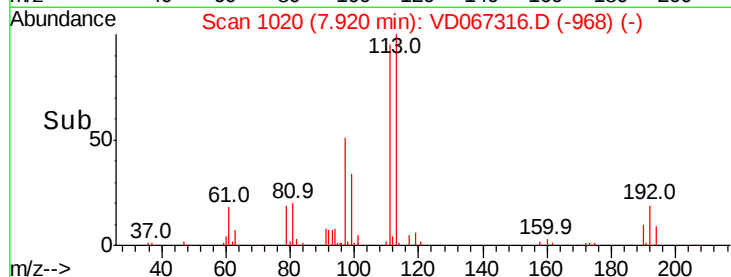
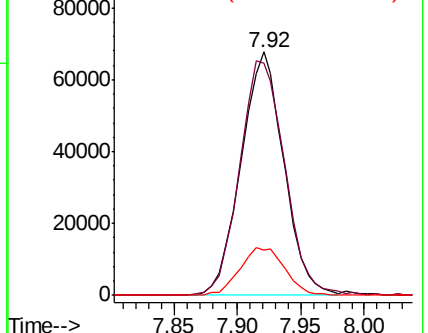
192 20.5 17.0 25.4



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: 19.749 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

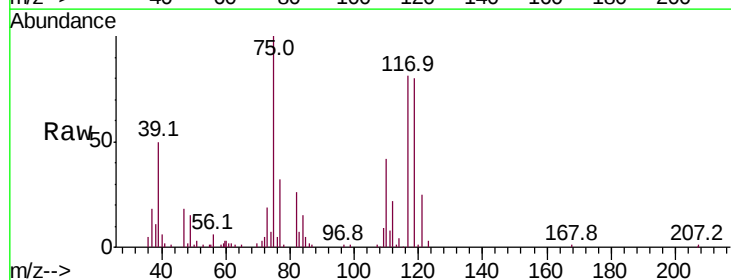
Tgt Ion: 75 Resp: 82177

Ion Ratio Lower Upper

75 100

110 39.9 19.6 58.7

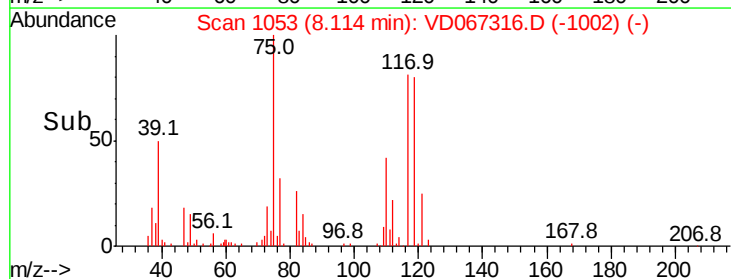
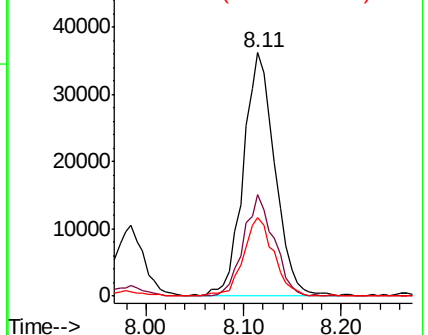
77 31.0 24.6 37.0

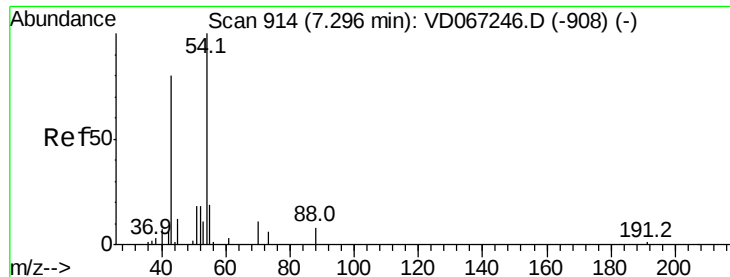


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 19.856 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

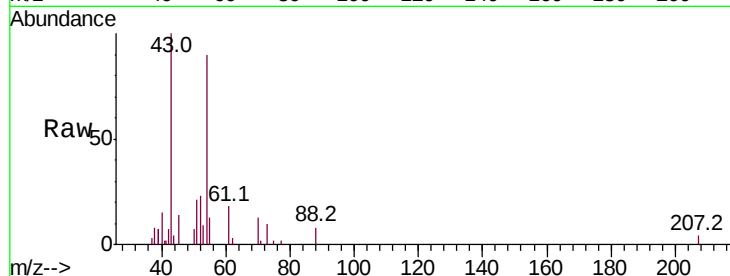
Tot Ion: 43 Resp: 24308

Ion Ratio Lower Upper

43 100

61 17.8 15.6 23.4

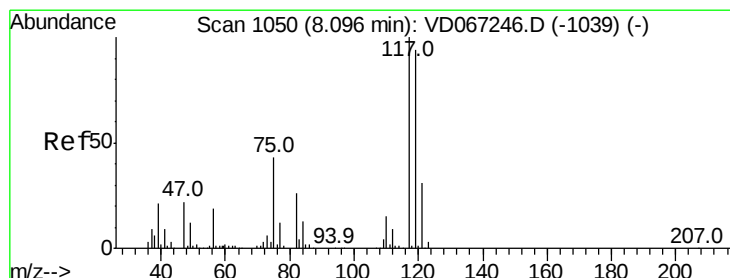
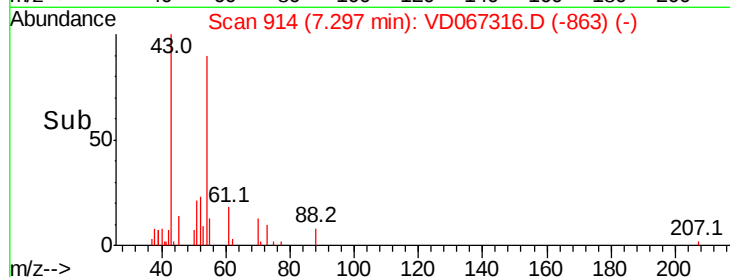
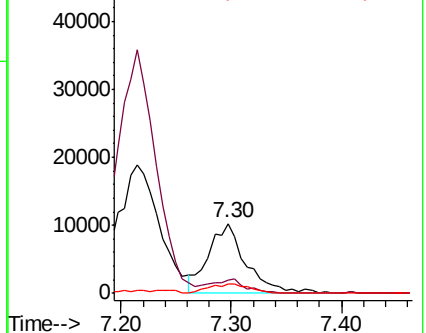
70 14.2 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.143 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

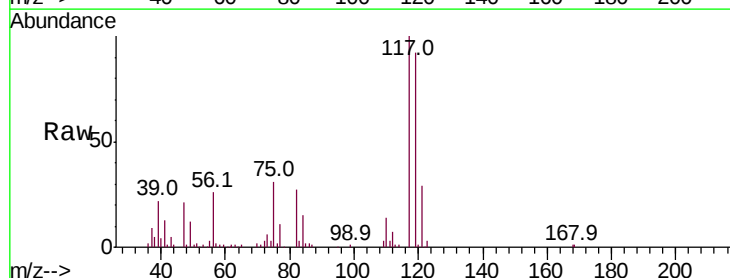
Tgt Ion: 117 Resp: 107121

Ion Ratio Lower Upper

117 100

119 92.0 75.0 112.4

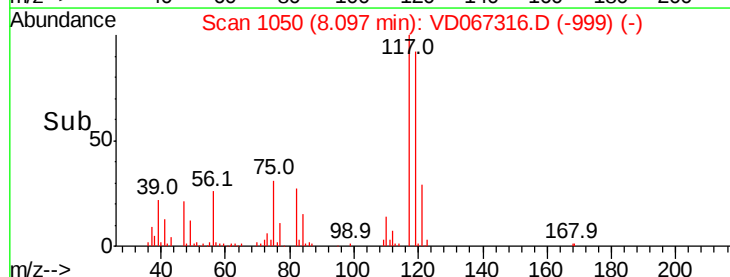
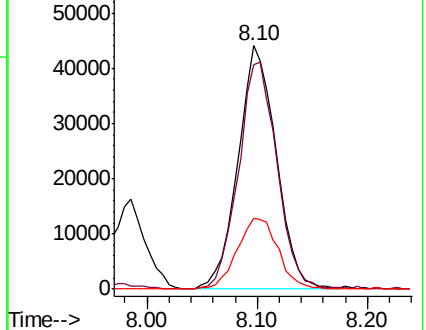
121 29.2 24.9 37.3

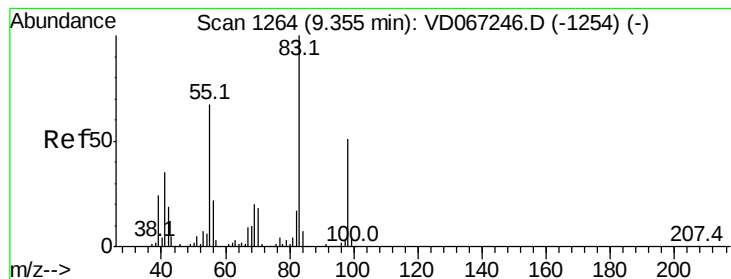


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 19.689 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBSD01

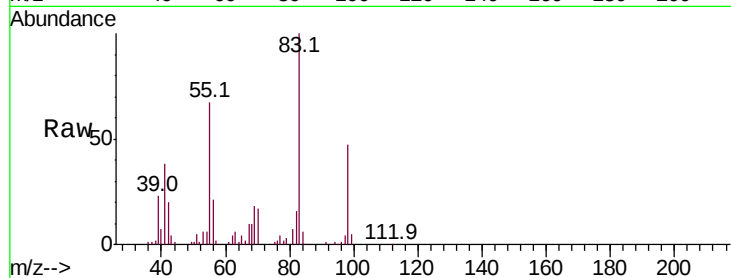
Tot Ion: 83 Resp: 85648

Ion Ratio Lower Upper

83 100

55 66.8 53.3 79.9

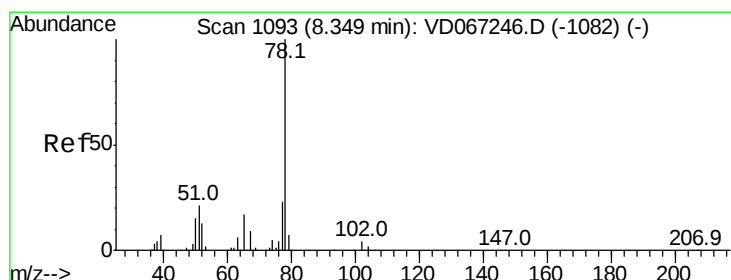
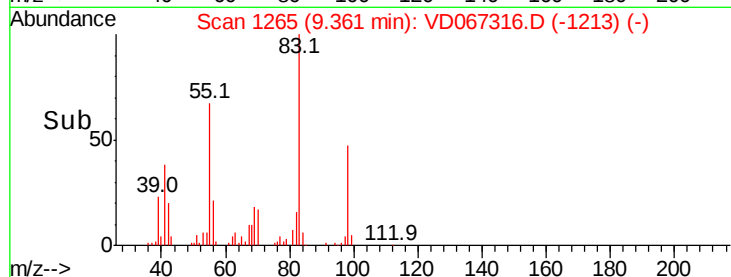
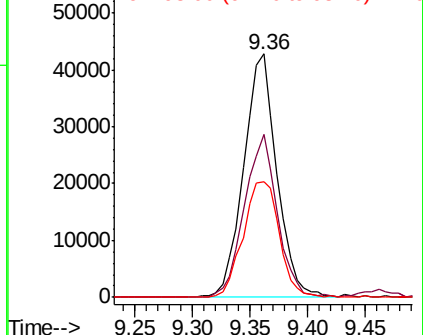
98 47.3 41.0 61.4



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: 20.301 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD067316.D

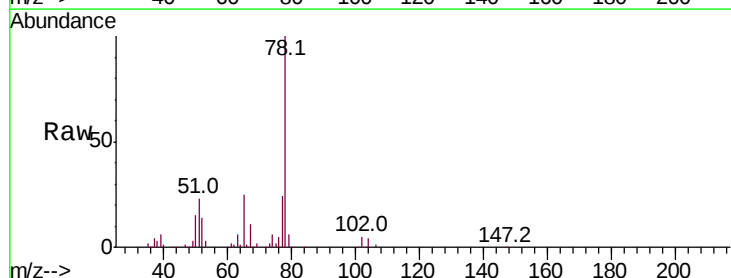
Acq: 20 Oct 2020 11:39

Tgt Ion: 78 Resp: 231743

Ion Ratio Lower Upper

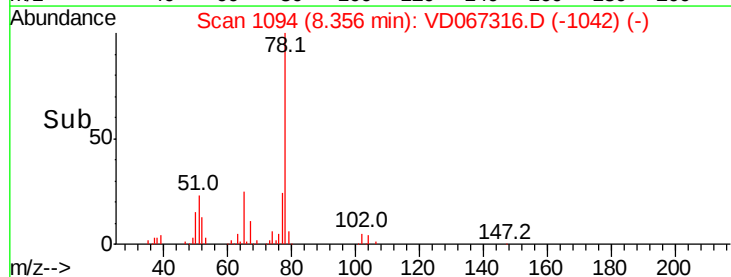
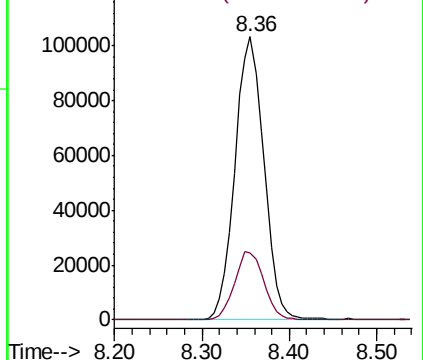
78 100

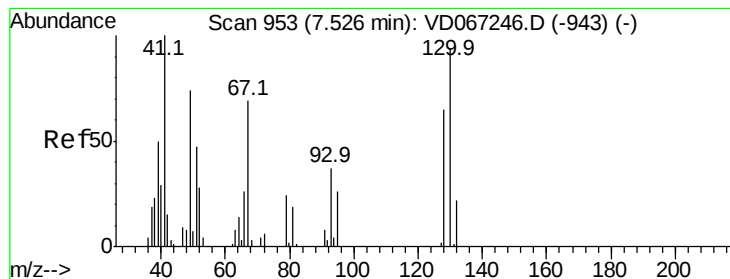
77 23.8 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 23.006 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 41 Resp: 15220

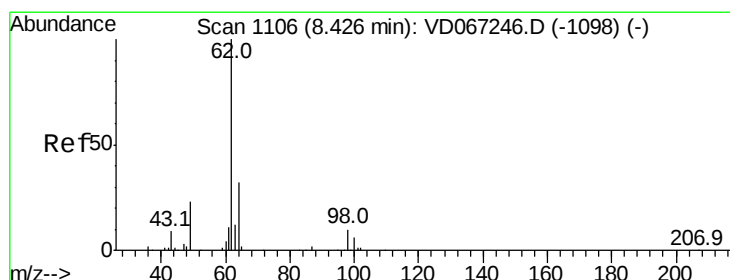
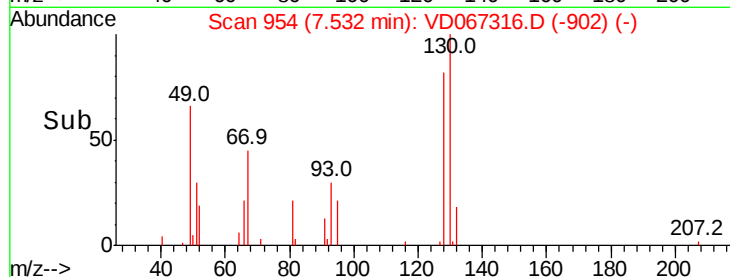
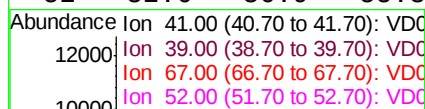
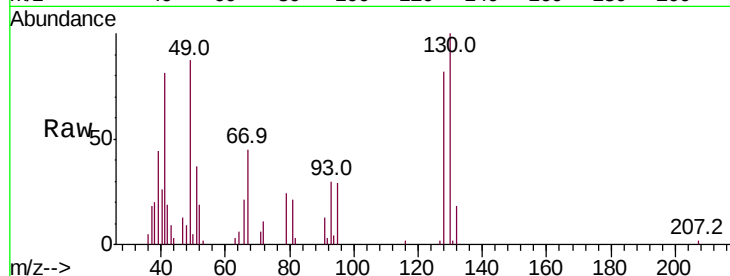
Ion Ratio Lower Upper

41 100

39 61.0 60.0 90.0

67 79.4 88.9 133.3#

52 32.6 36.9 55.3#



#42

1,2-Dichloroethane

Concen: 19.746 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067316.D

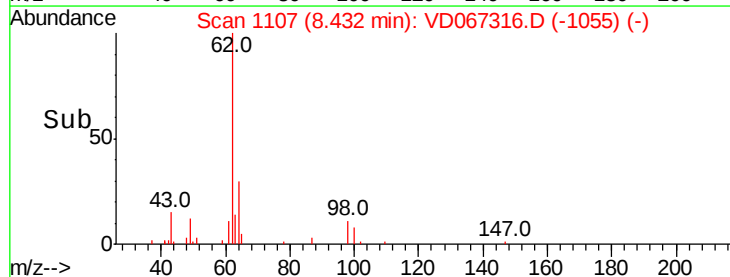
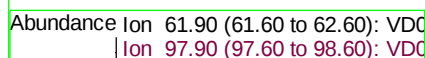
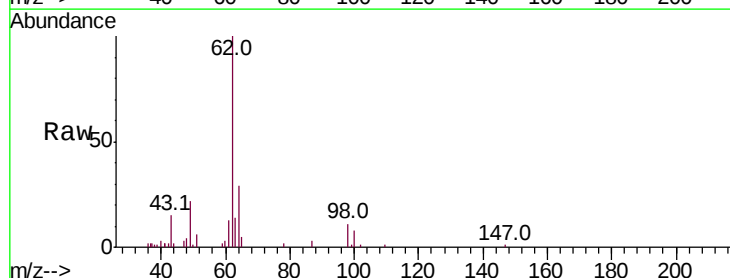
Acq: 20 Oct 2020 11:39

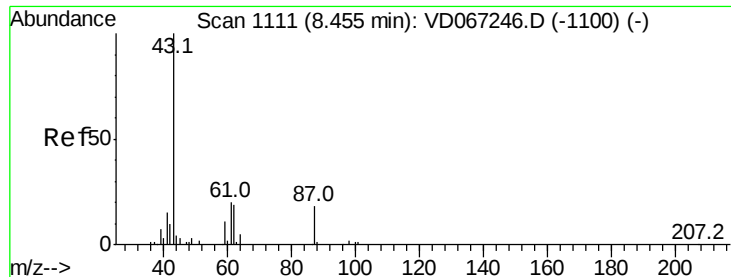
Tgt Ion: 62 Resp: 70540

Ion Ratio Lower Upper

62 100

98 10.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 19.352 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

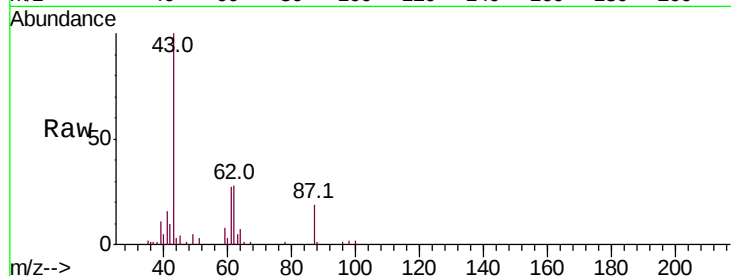
Tot Ion: 43 Resp: 47010

Ion Ratio Lower Upper

43 100

61 40.4 29.5 44.3

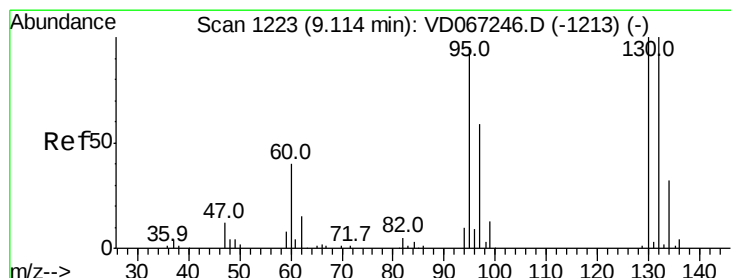
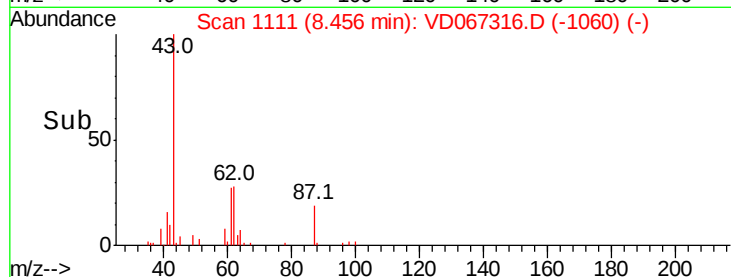
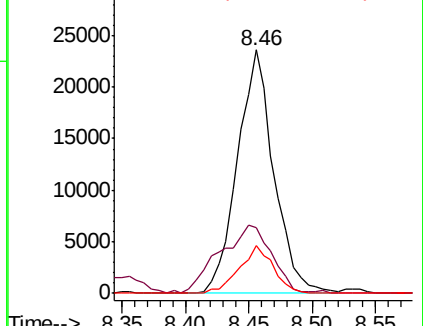
87 18.1 14.2 21.4



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: 20.239 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067316.D

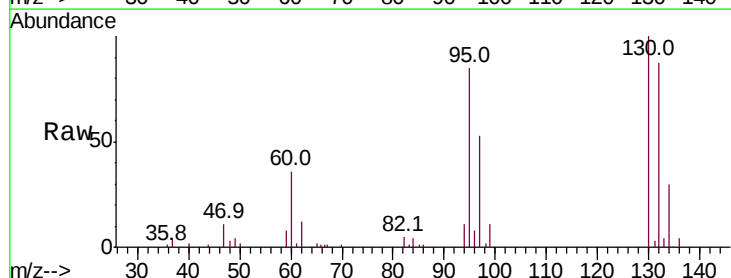
Acq: 20 Oct 2020 11:39

Tgt Ion: 130 Resp: 73972

Ion Ratio Lower Upper

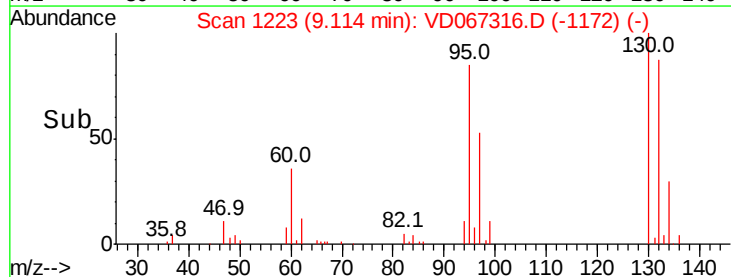
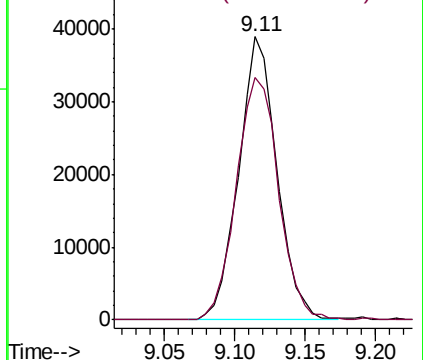
130 100

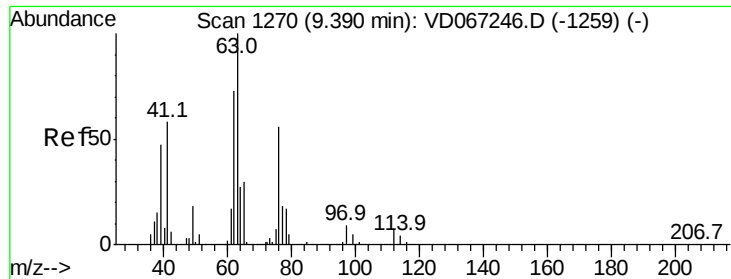
95 85.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.201 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

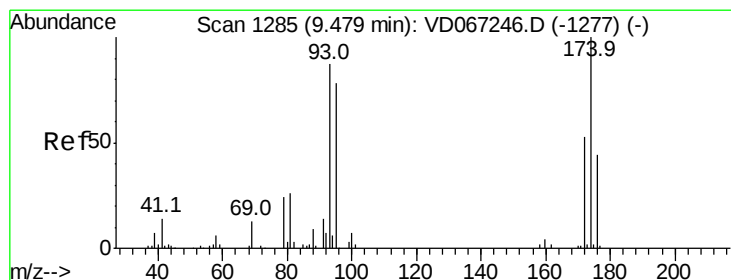
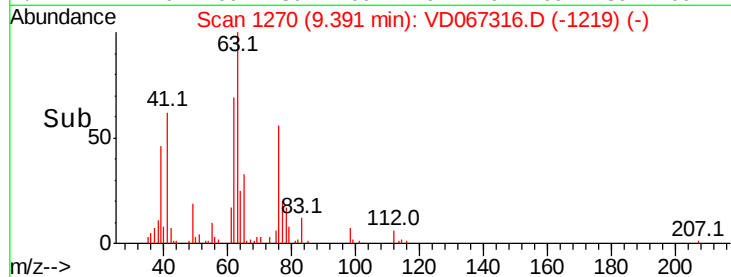
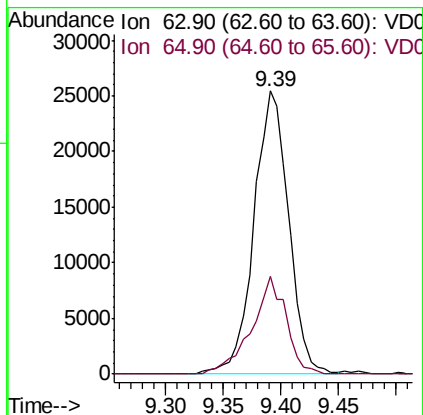
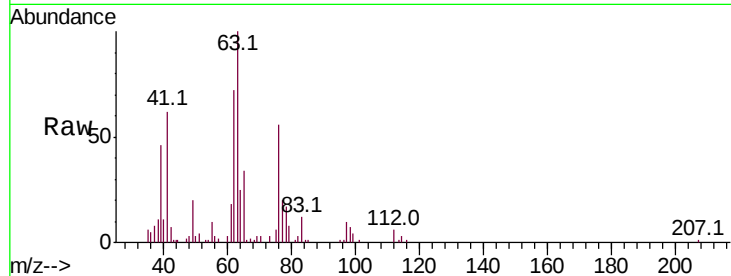
VD1020SBSD01

Tot Ion: 63 Resp: 53444

Ion Ratio Lower Upper

63 100

65 34.4 24.6 36.8



#46

Dibromomethane

Concen: 19.681 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

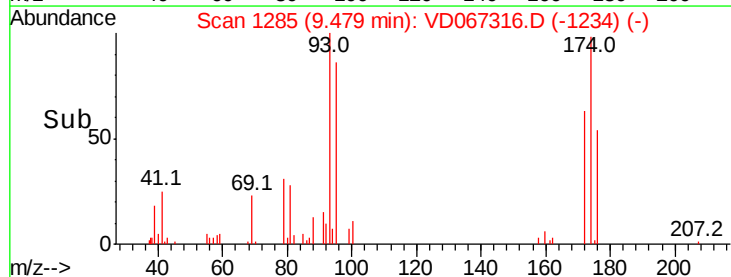
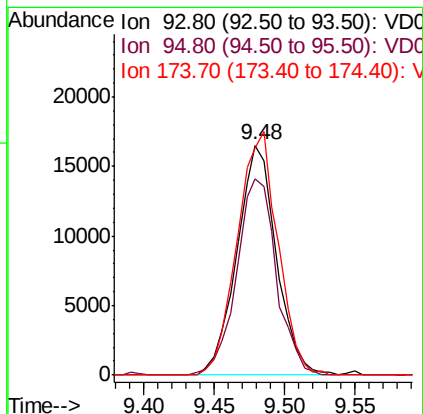
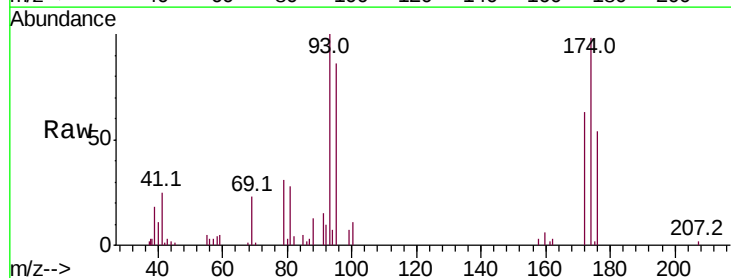
Tgt Ion: 93 Resp: 32441

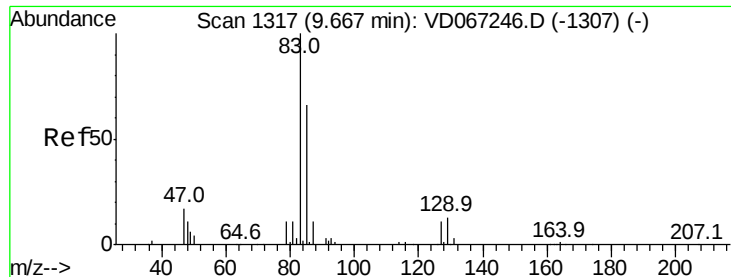
Ion Ratio Lower Upper

93 100

95 85.5 68.0 102.0

174 108.3 91.8 137.6





#47

Bromodichloromethane

Concen: 20.144 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBSD01

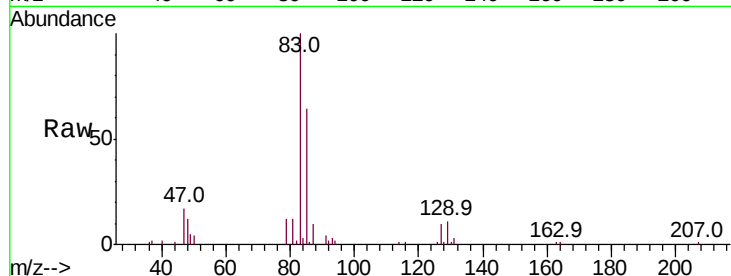
Tot Ion: 83 Resp: 88961

Ion Ratio Lower Upper

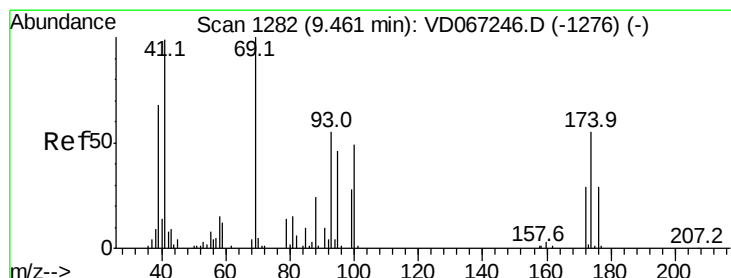
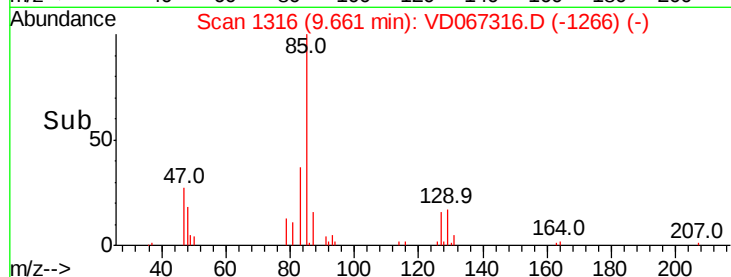
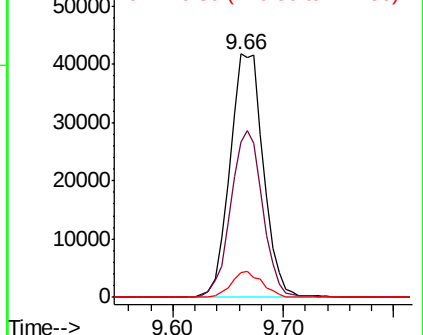
83 100

85 63.9 53.1 79.7

127 10.1 8.6 13.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.622 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

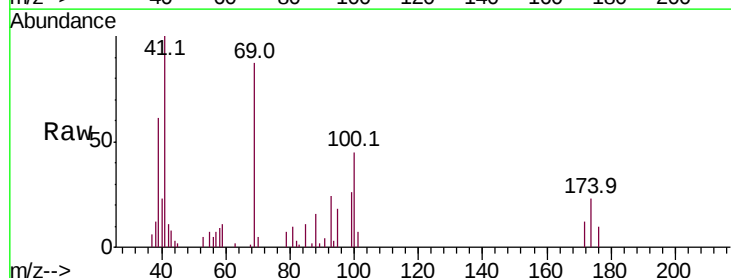
Tgt Ion: 41 Resp: 21983

Ion Ratio Lower Upper

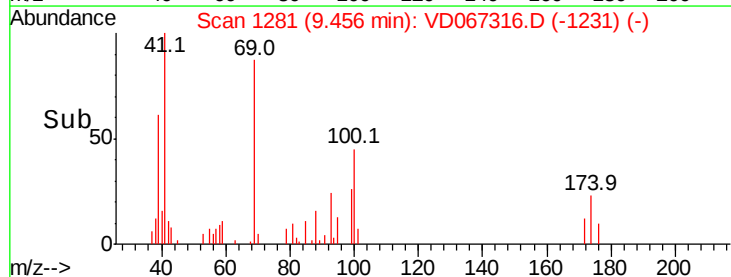
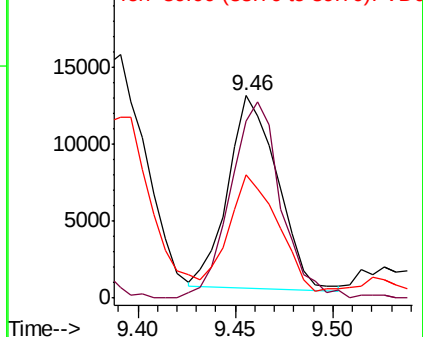
41 100

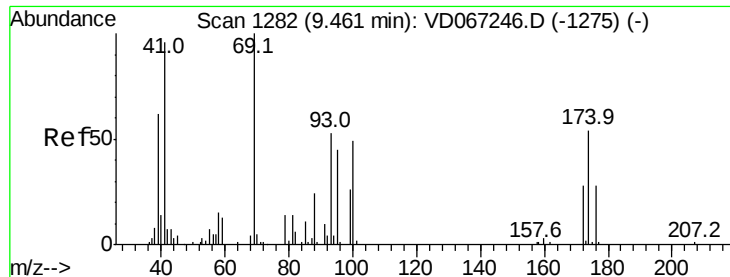
69 104.8 89.0 133.6

39 57.7 60.2 90.2#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 378.717 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

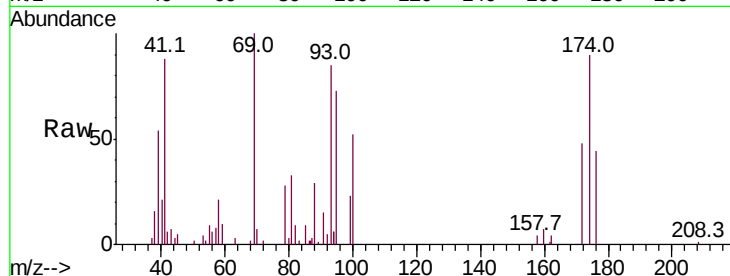
Tot Ion: 88 Resp: 6342

Ion Ratio Lower Upper

88 100

43 30.5 23.9 35.9

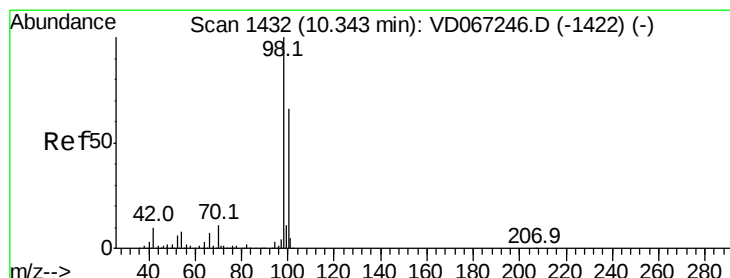
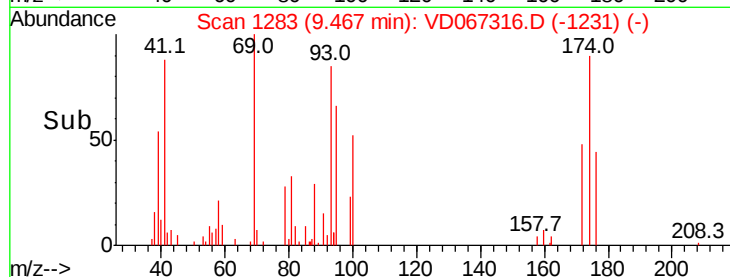
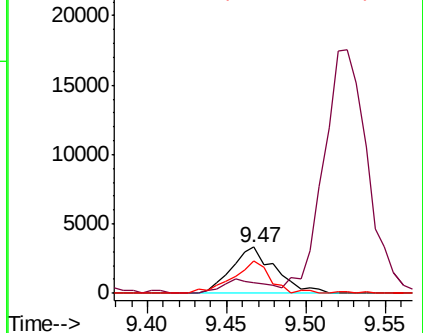
58 60.4 51.0 76.6



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: 48.775 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067316.D

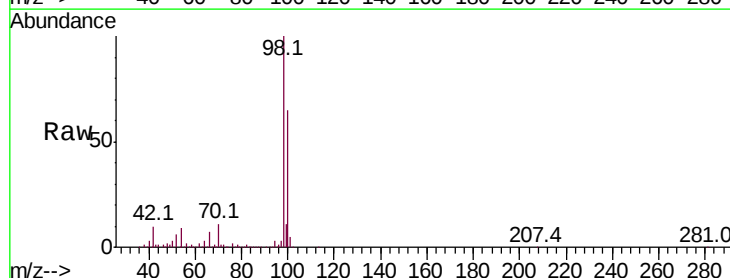
Acq: 20 Oct 2020 11:39

Tgt Ion: 98 Resp: 576690

Ion Ratio Lower Upper

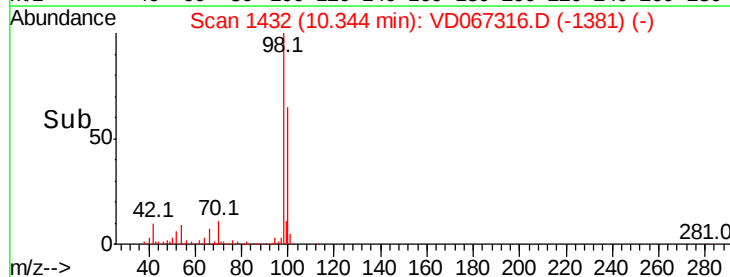
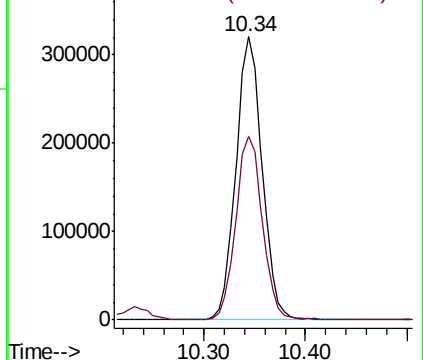
98 100

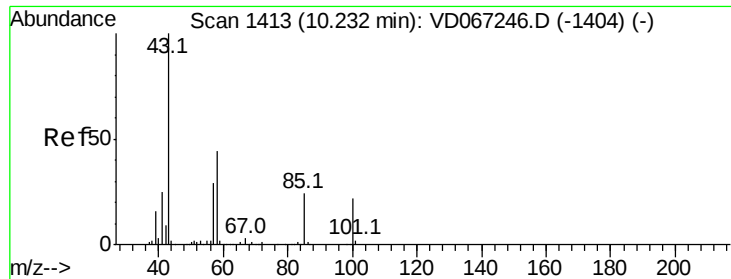
100 65.6 53.1 79.7



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: 97.570 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

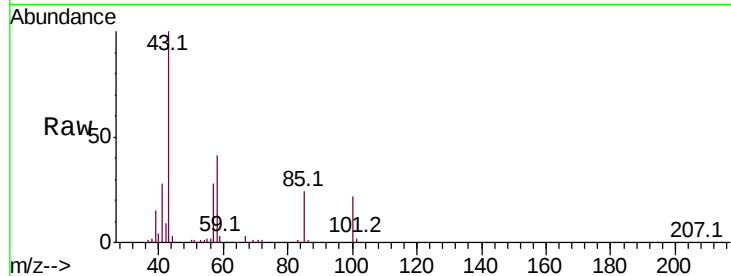
VD1020SBS01

Tot Ion: 43 Resp: 118217

Ion Ratio Lower Upper

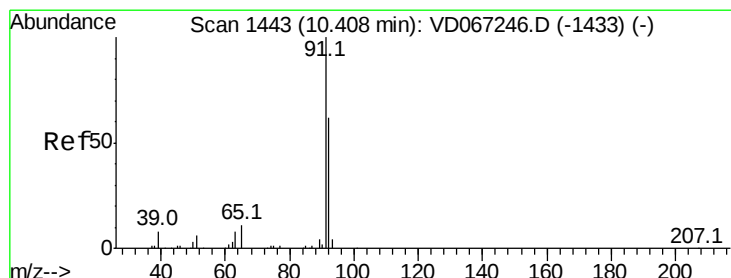
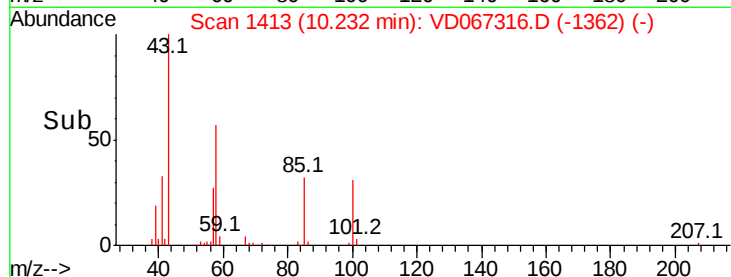
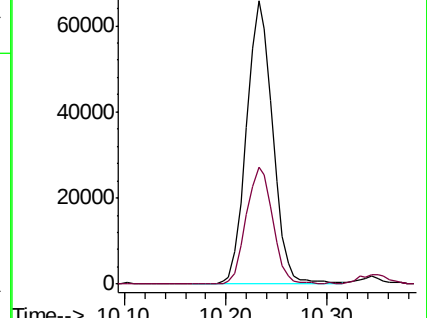
43 100

58 41.8 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: 20.452 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067316.D

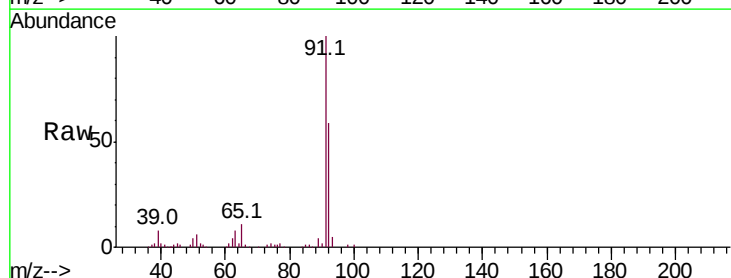
Acq: 20 Oct 2020 11:39

Tgt Ion: 92 Resp: 159016

Ion Ratio Lower Upper

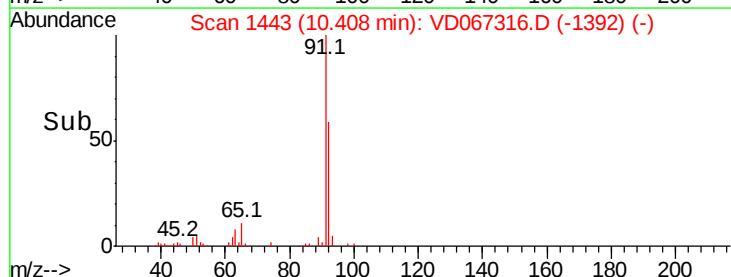
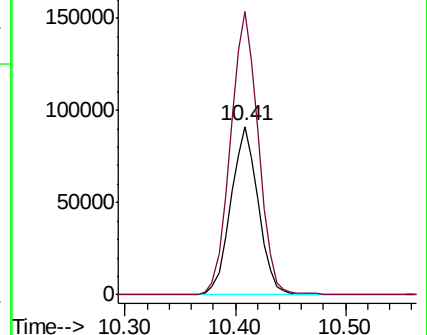
92 100

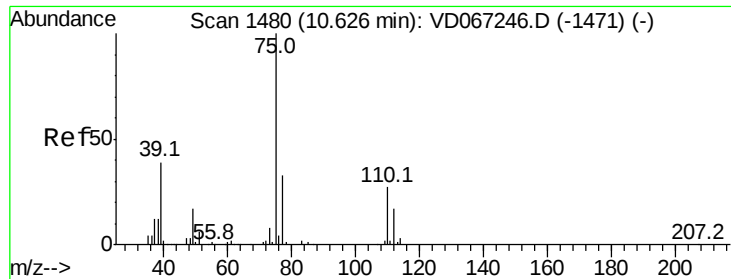
91 170.6 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

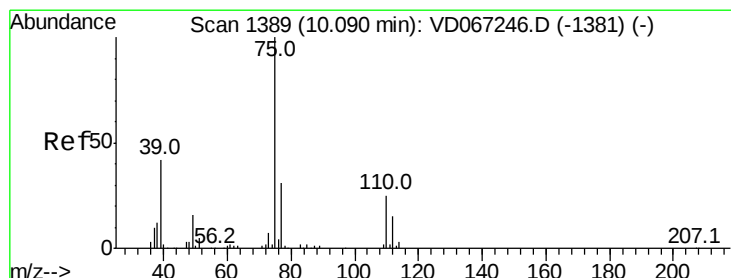
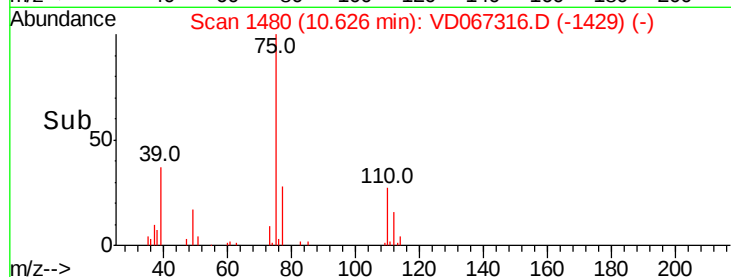
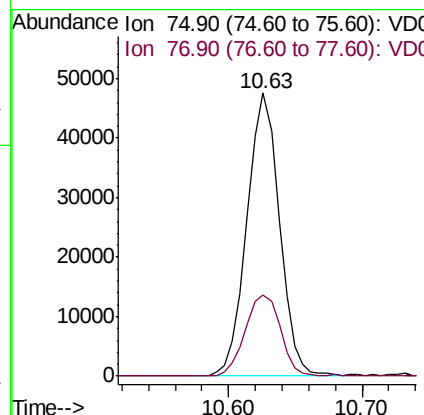
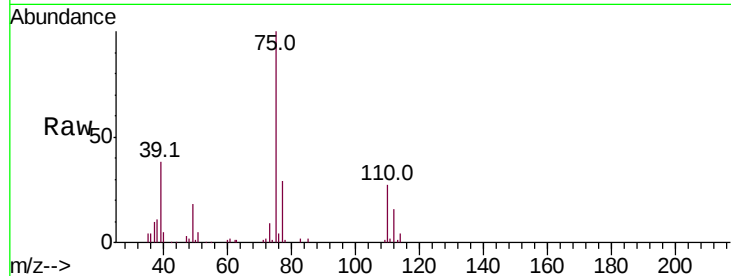




#53
 t-1,3-Dichloropropene
 Concen: 20.707 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

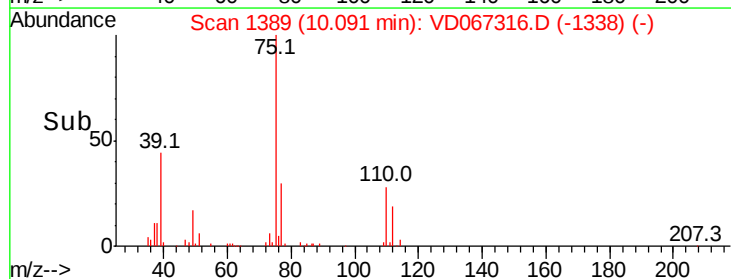
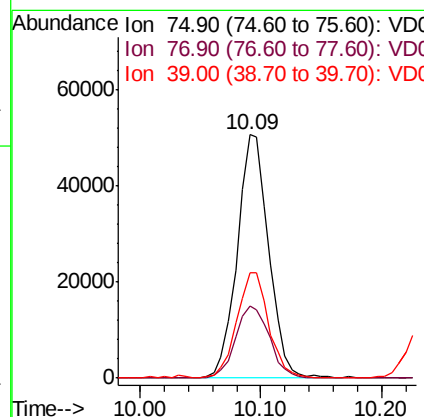
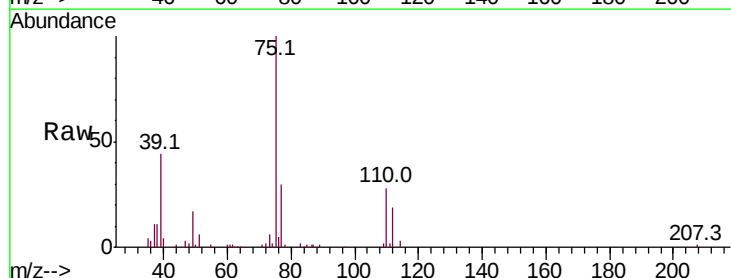
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

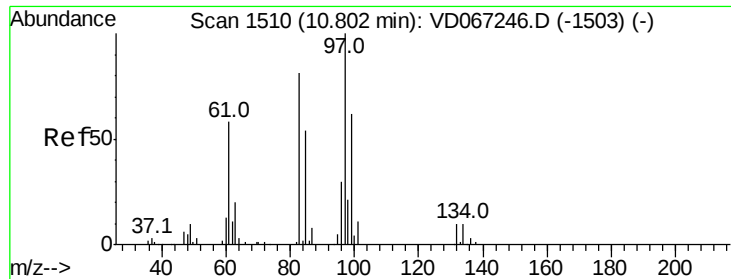
Tot Ion: 75 Resp: 80331
 Ion Ratio Lower Upper
 75 100
 77 28.7 26.5 39.7



#54
 cis-1,3-Dichloropropene
 Concen: 20.272 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion: 75 Resp: 92040
 Ion Ratio Lower Upper
 75 100
 77 29.6 24.5 36.7
 39 43.2 33.7 50.5

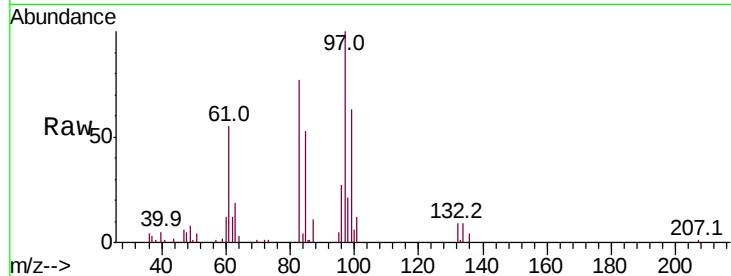




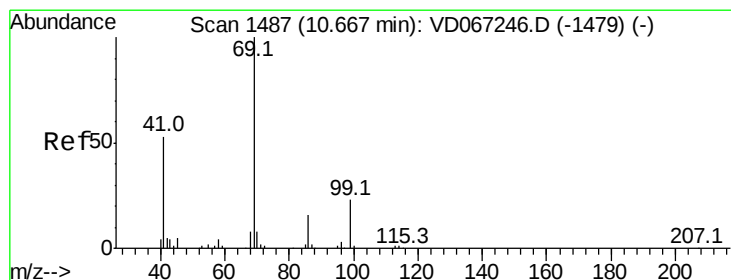
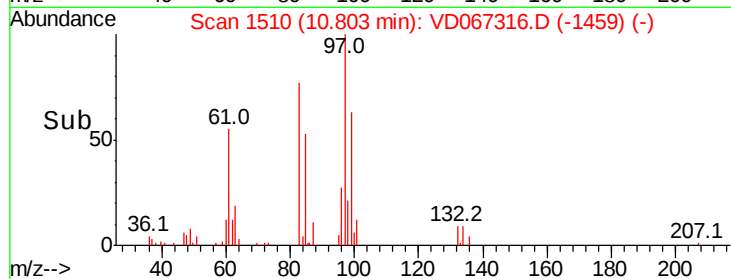
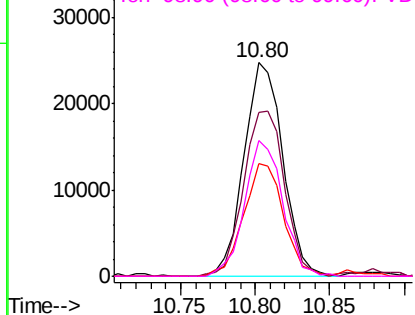
#55
 1,1,2-Trichloroethane
 Concen: 19.866 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion:	97	Resp:	44654
Ion	Ratio	Lower	Upper
97	100		
83	77.0	64.9	97.3
85	52.6	43.3	64.9
99	63.5	49.1	73.7

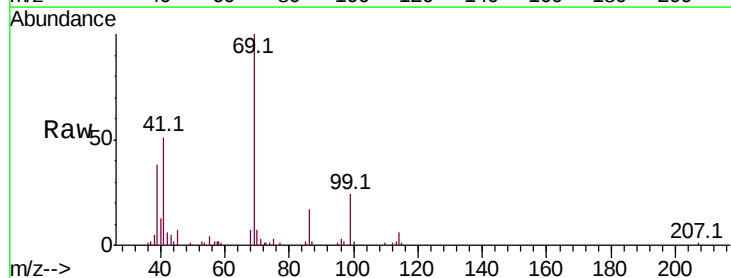


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

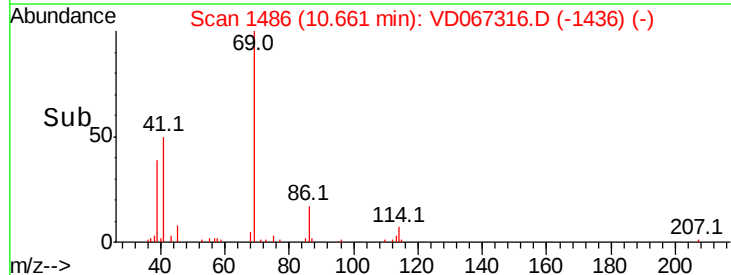
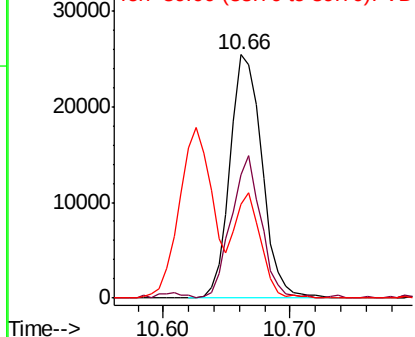


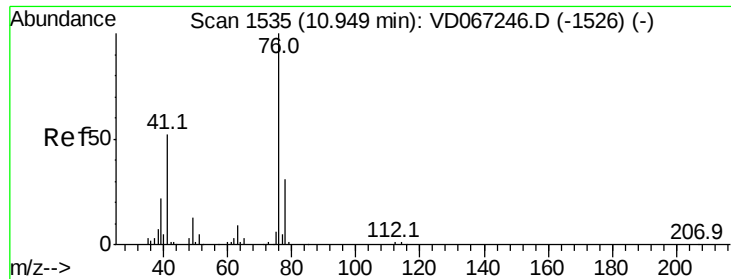
#56
 Ethyl methacrylate
 Concen: 19.090 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion:	69	Resp:	44502
Ion	Ratio	Lower	Upper
69	100		
41	54.7	44.7	67.1
39	34.9	26.2	39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 19.812 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

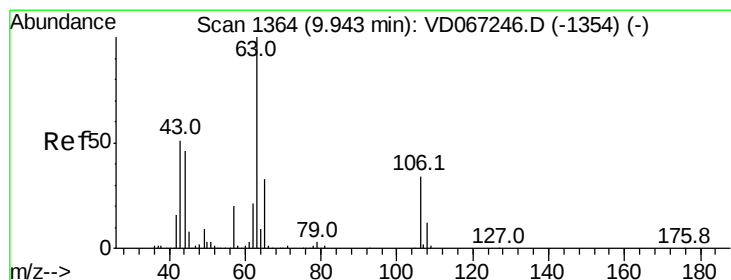
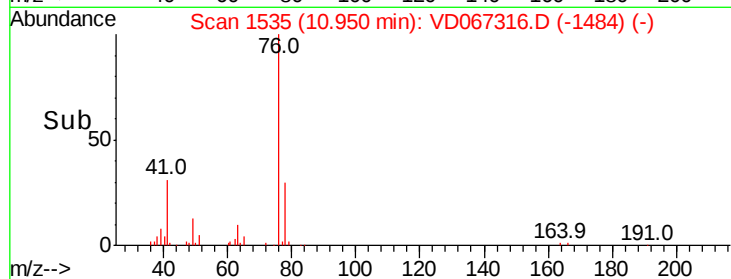
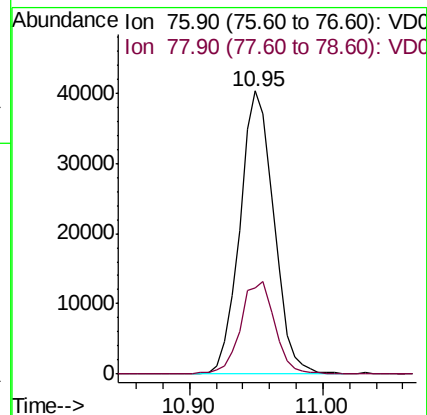
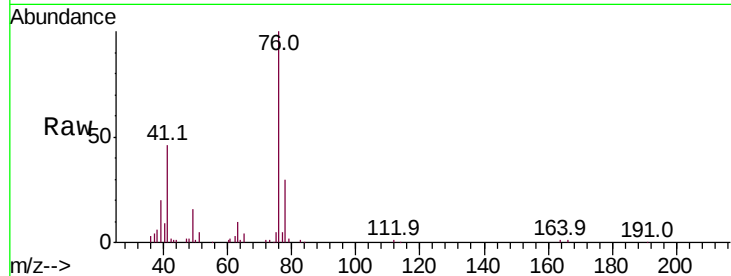
VD1020SBSD01

Tot Ion: 76 Resp: 70867

Ion Ratio Lower Upper

76 100

78 32.8 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 102.738 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067316.D

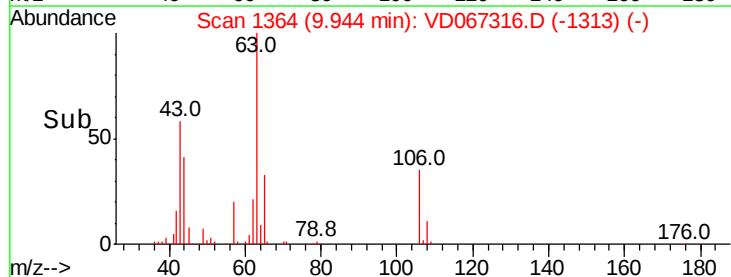
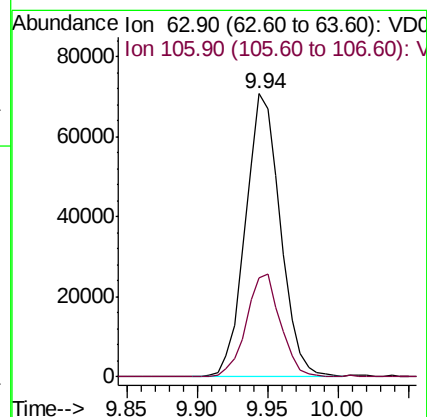
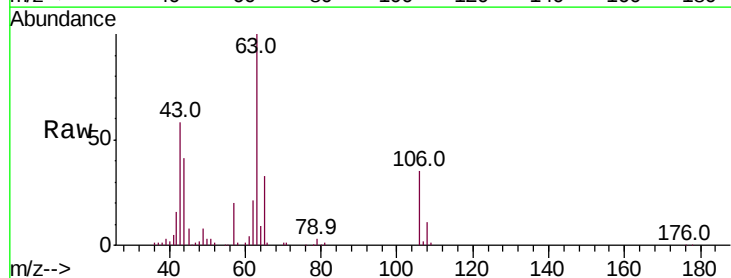
Acq: 20 Oct 2020 11:39

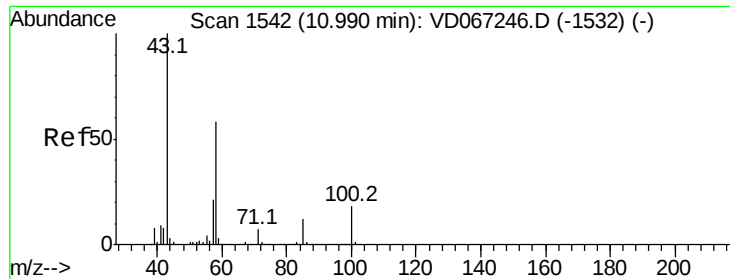
Tgt Ion: 63 Resp: 122861

Ion Ratio Lower Upper

63 100

106 35.6 27.8 41.6

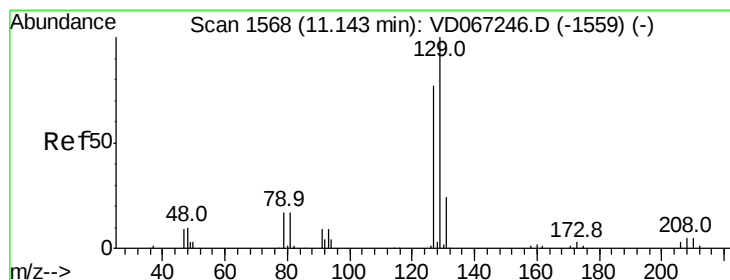
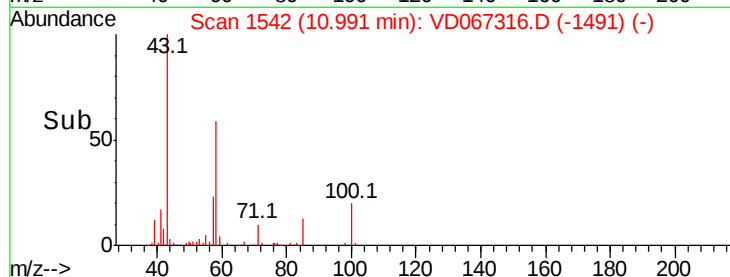
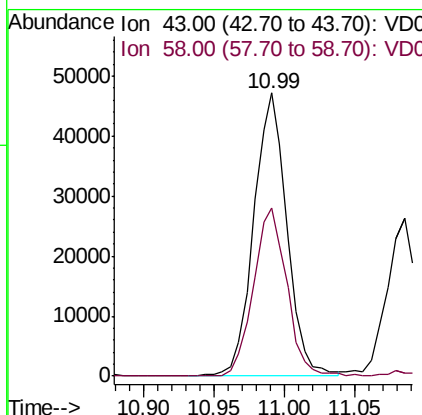
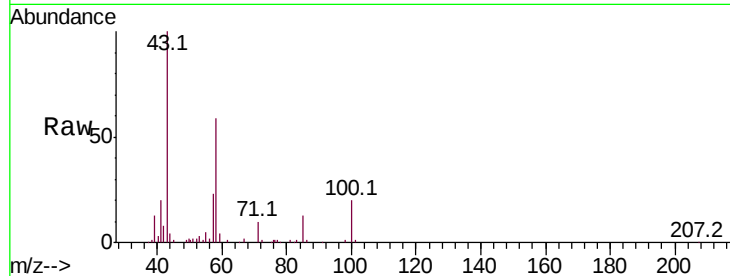




#59
2-Hexanone
Concen: 94.107 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

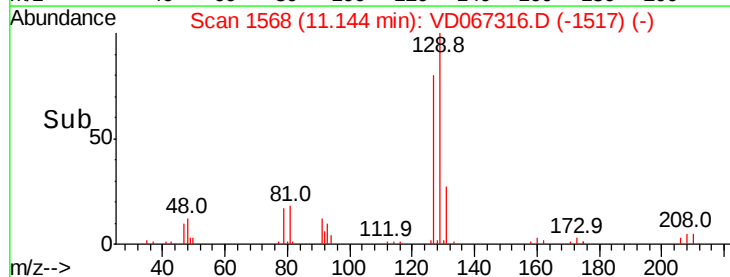
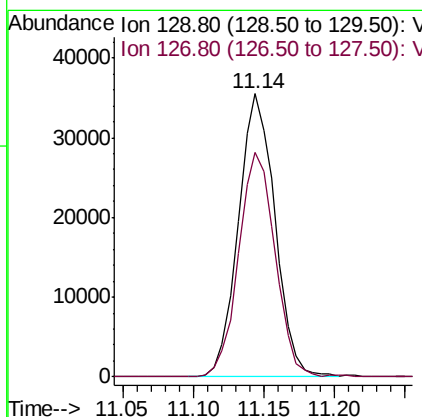
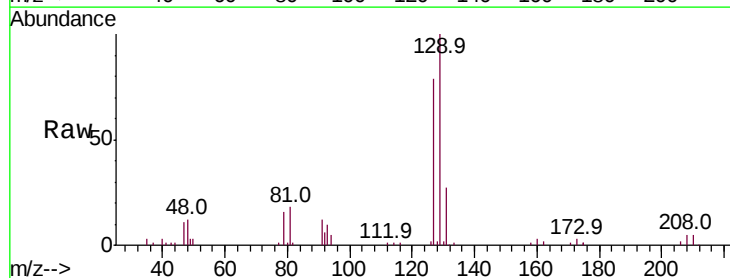
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

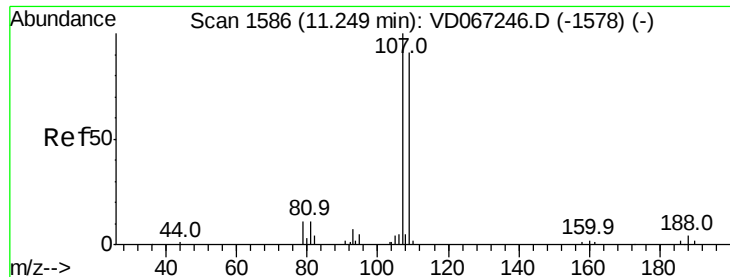
Tot Ion: 43 Resp: 77914
Ion Ratio Lower Upper
43 100
58 59.8 29.3 87.9



#60
Dibromochloromethane
Concen: 19.659 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 129 Resp: 64440
Ion Ratio Lower Upper
129 100
127 78.8 38.3 114.8

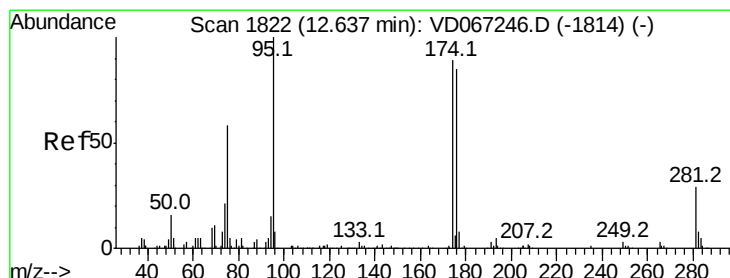
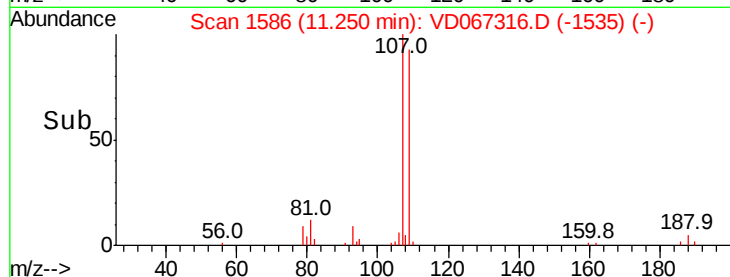
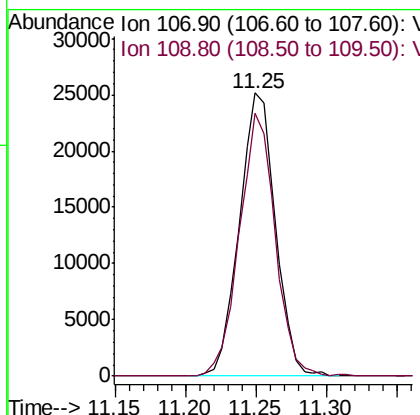
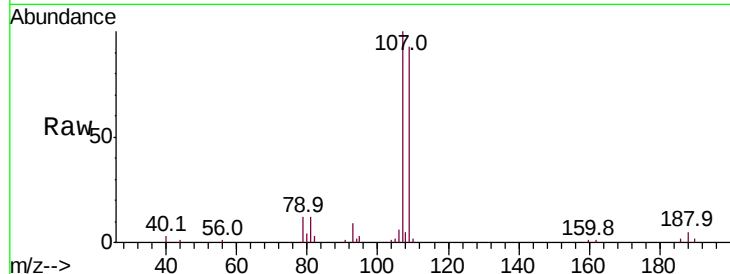




#61
 1,2-Dibromoethane
 Concen: 20.286 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

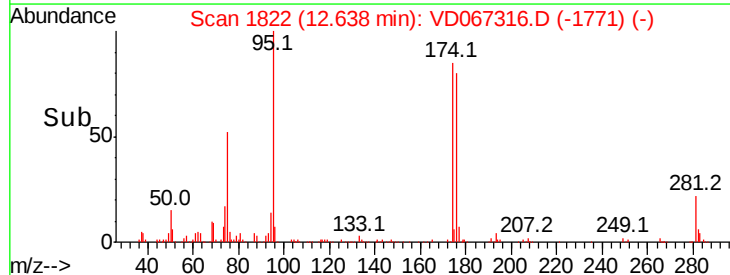
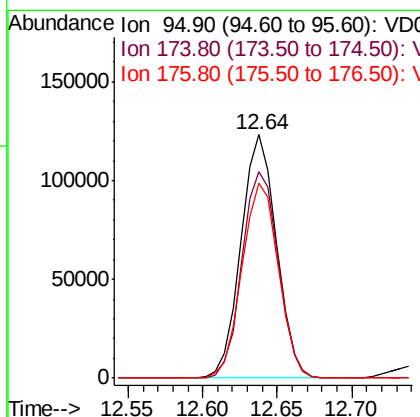
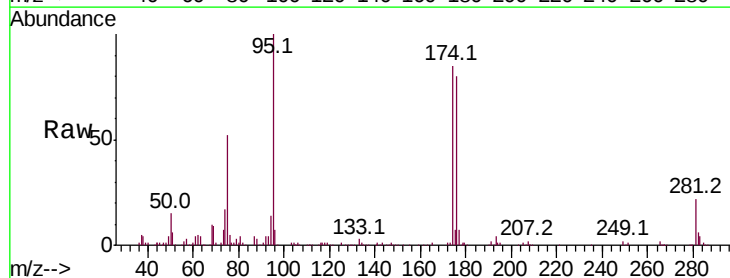
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBSD01

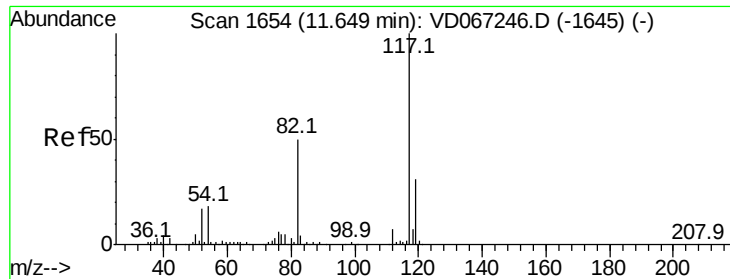
Tot Ion:107 Resp: 44952
 Ion Ratio Lower Upper
 107 100
 109 91.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.303 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion: 95 Resp: 202702
 Ion Ratio Lower Upper
 95 100
 174 86.5 0.0 175.2
 176 82.3 0.0 168.6

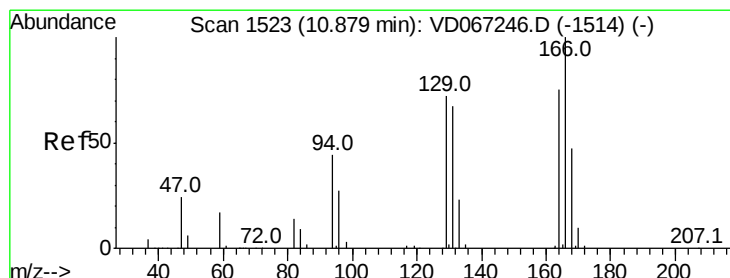
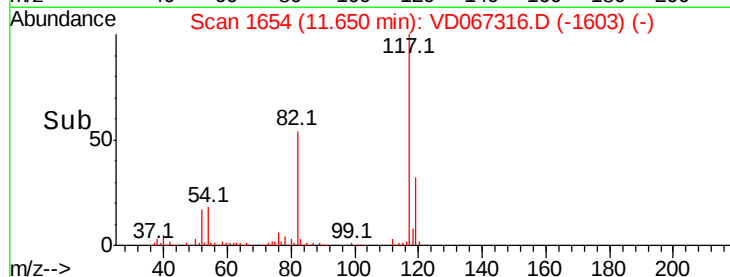
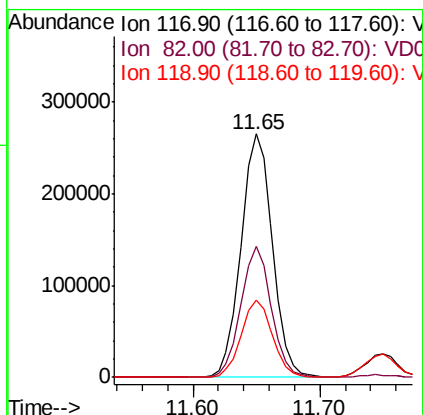
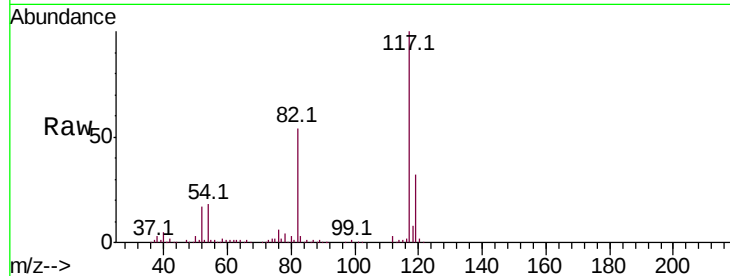




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

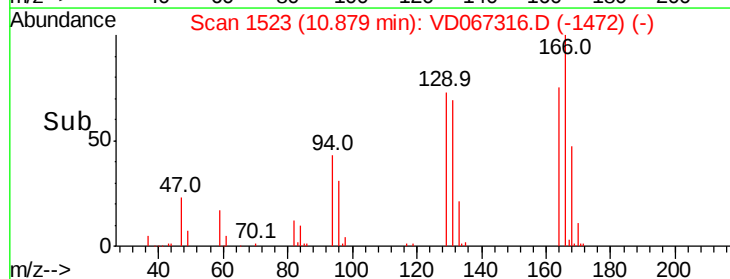
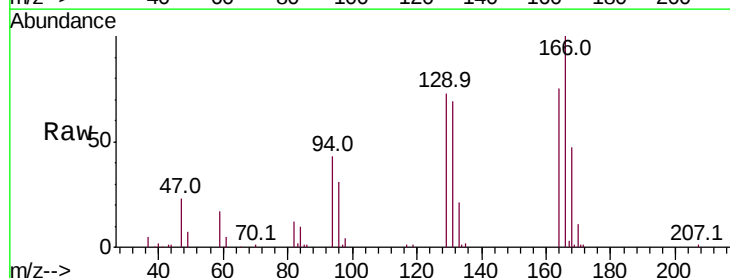
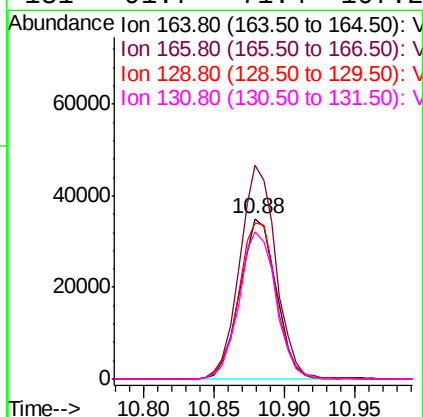
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

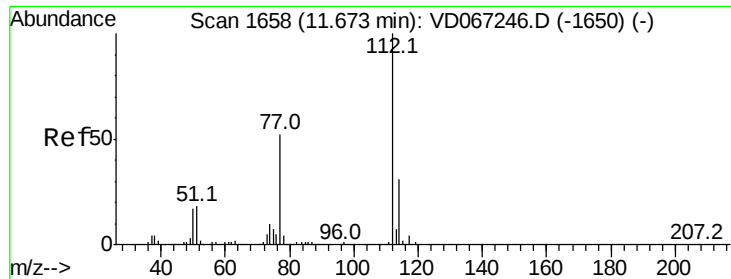
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	39.9	59.9
119	31.6	24.9	37.3



#64
Tetrachloroethene
Concen: 19.220 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	107.3	160.9
129	97.5	77.3	115.9
131	91.7	71.4	107.2





#65

Chlorobenzene

Concen: 20.425 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

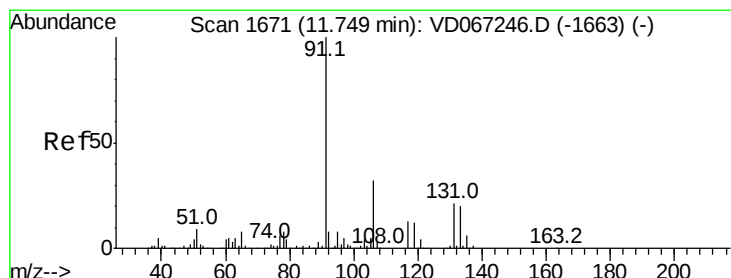
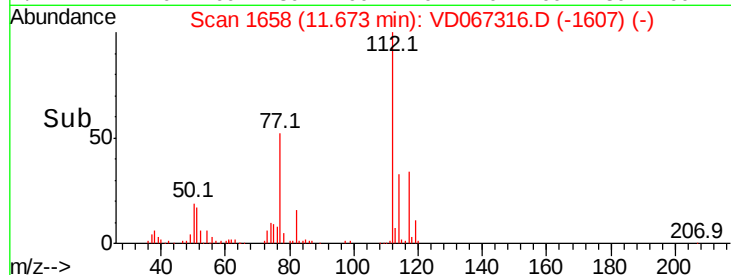
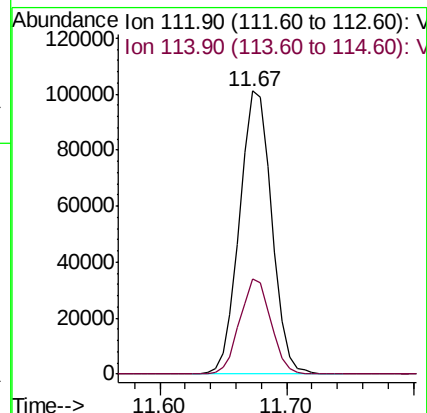
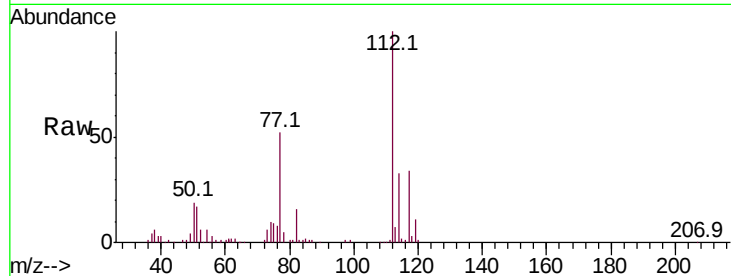
VD1020SBS01

Tot Ion:112 Resp: 178438

Ion Ratio Lower Upper

112 100

114 33.4 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.369 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

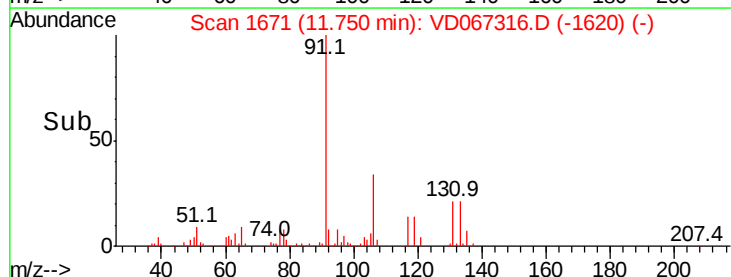
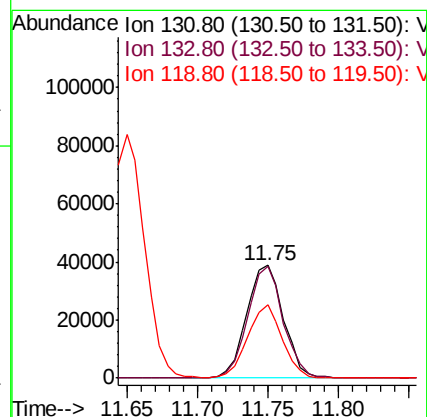
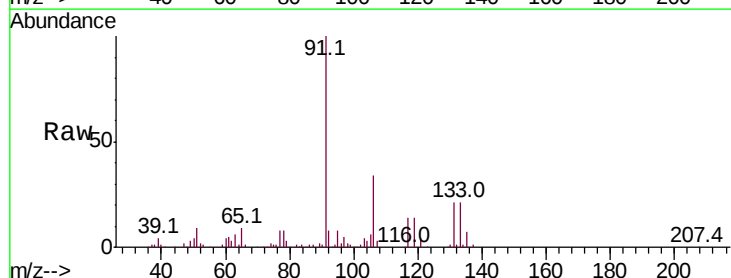
Tgt Ion:131 Resp: 70724

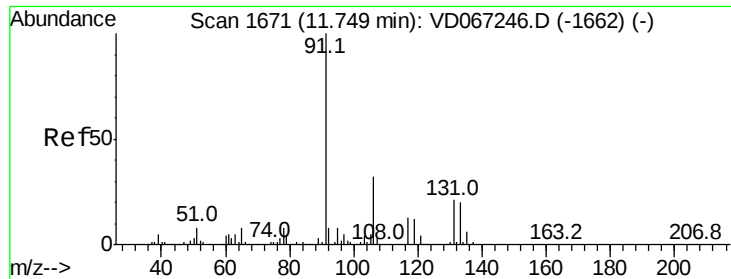
Ion Ratio Lower Upper

131 100

133 95.6 48.1 144.3

119 61.6 30.0 90.0

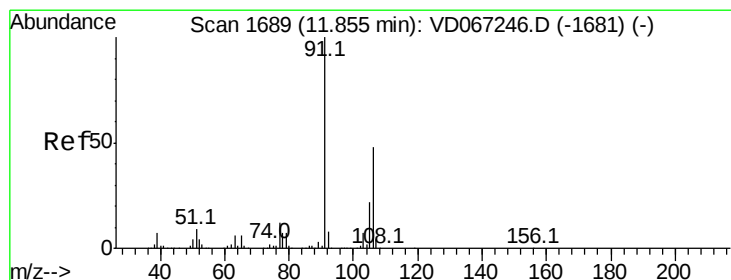
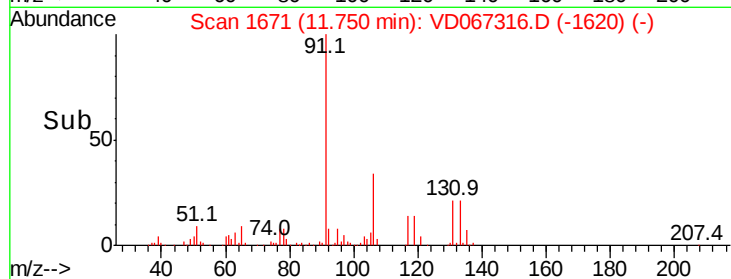
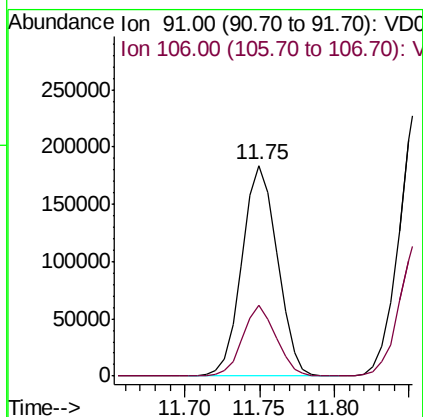
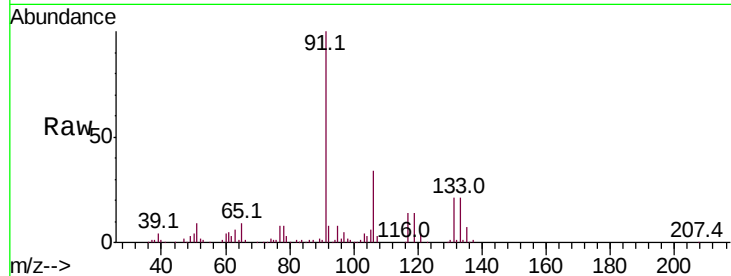




#67
Ethyl Benzene
Concen: 20.227 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

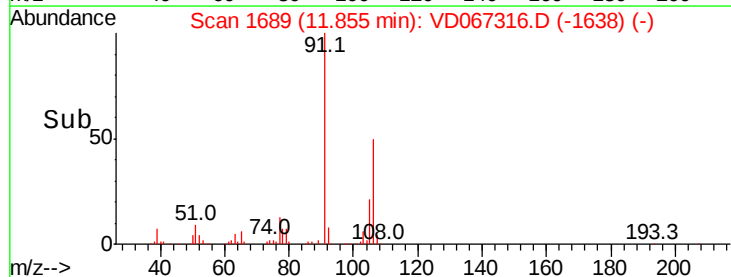
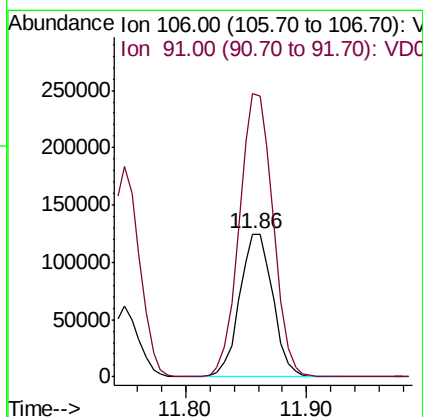
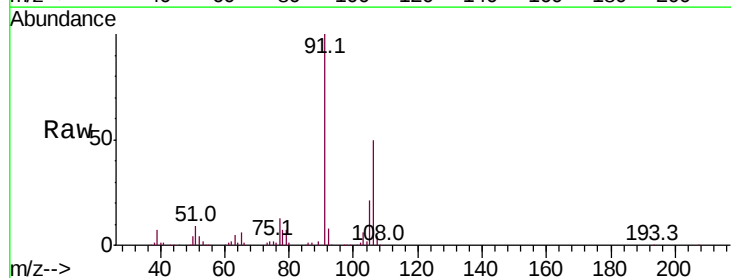
Instrument :
MSVOA_D
ClientSampleID :
VD1020SBS01

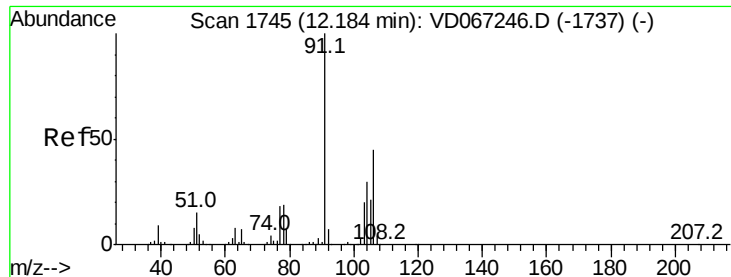
Tot Ion: 91 Resp: 302922
Ion Ratio Lower Upper
91 100
106 33.7 25.4 38.0



#68
m/p-Xylenes
Concen: 41.255 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 106 Resp: 237916
Ion Ratio Lower Upper
106 100
91 202.5 163.8 245.8

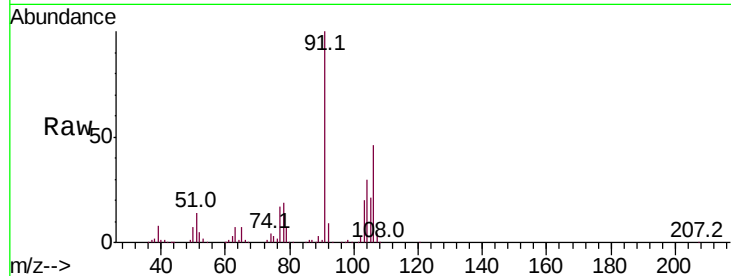




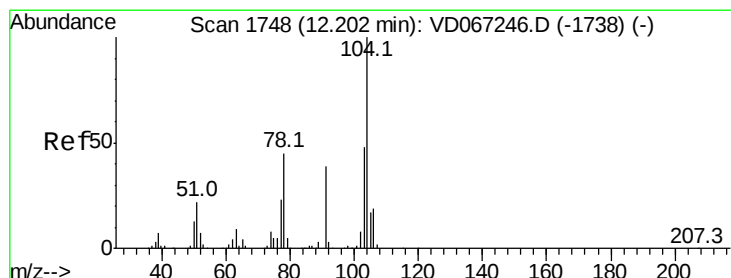
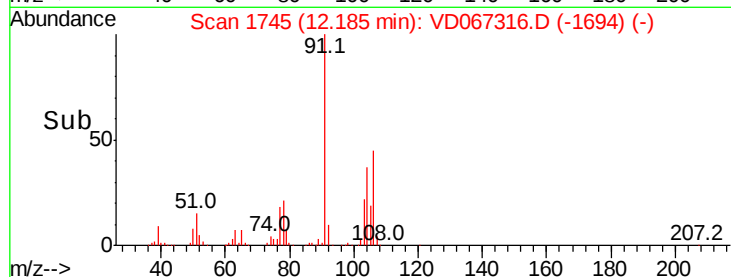
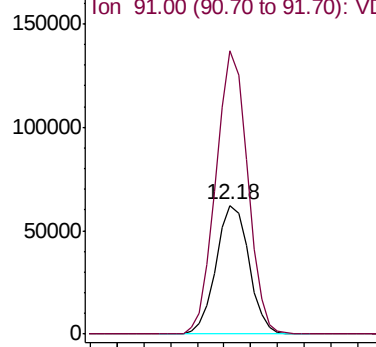
#69
o-Xylene
Concen: 19.788 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion:106 Resp: 105675
Ion Ratio Lower Upper
106 100
91 213.2 109.1 327.3

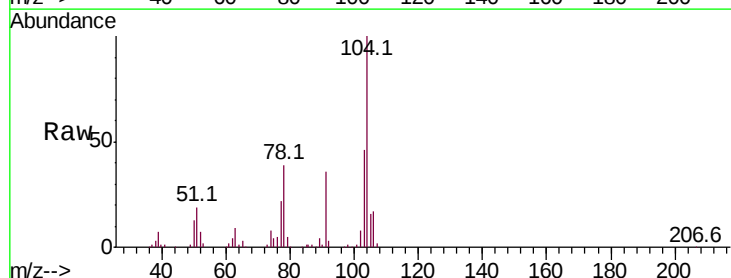


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

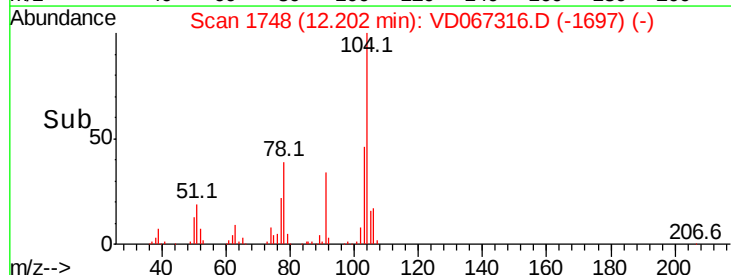
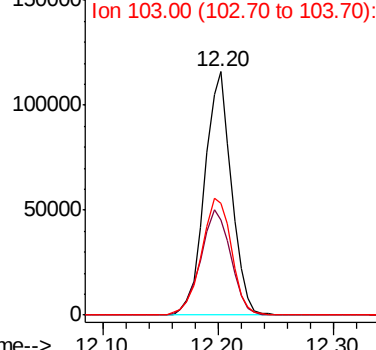


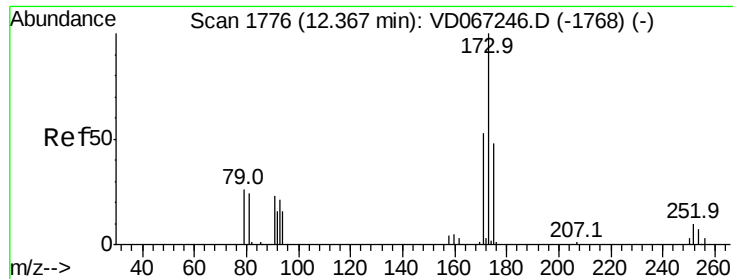
#70
Styrene
Concen: 20.268 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion:104 Resp: 186317
Ion Ratio Lower Upper
104 100
78 48.4 39.8 59.6
103 53.9 42.6 64.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.067 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

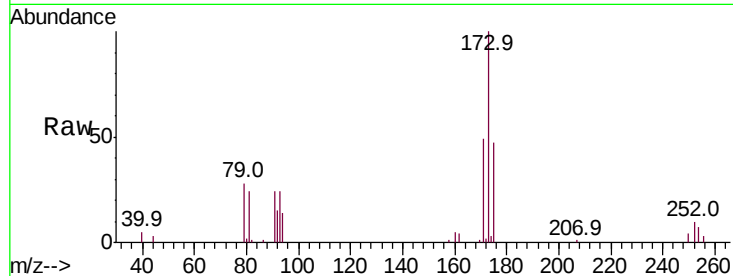
Tot Ion:173 Resp: 37433

Ion Ratio Lower Upper

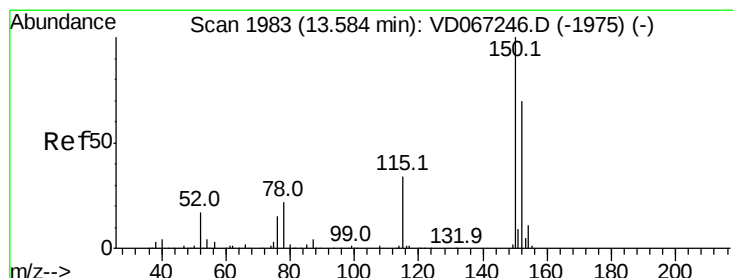
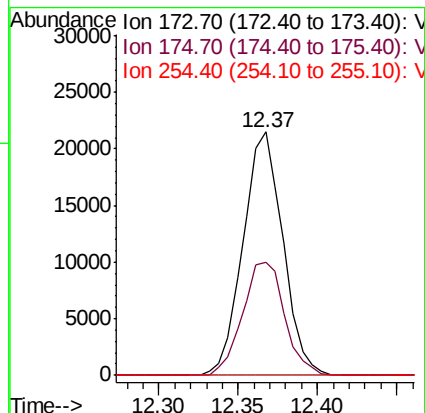
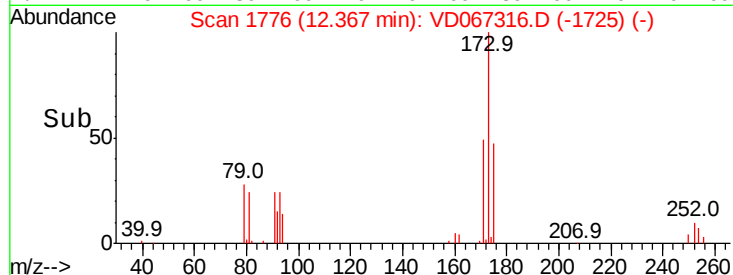
173 100

175 49.2 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: VD067316.D

Acq: 20 Oct 2020 11:39

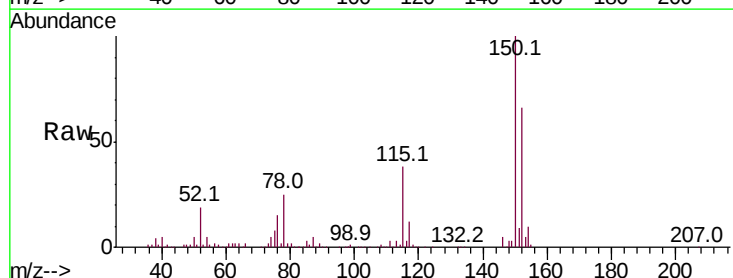
Tgt Ion:152 Resp: 229391

Ion Ratio Lower Upper

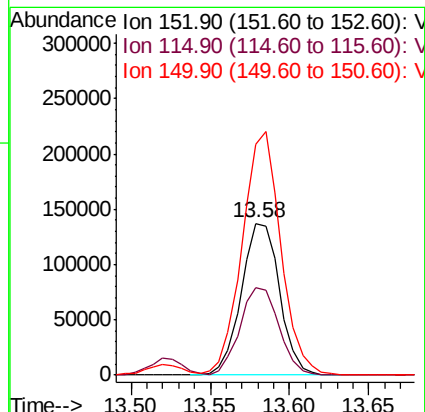
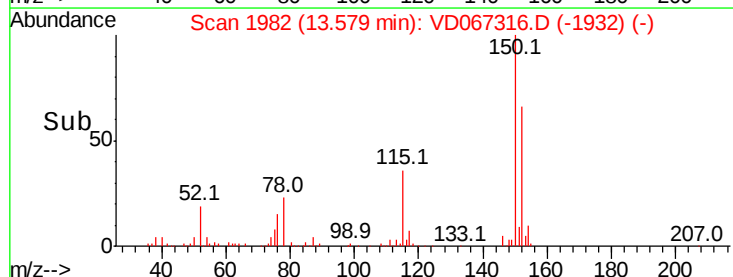
152 100

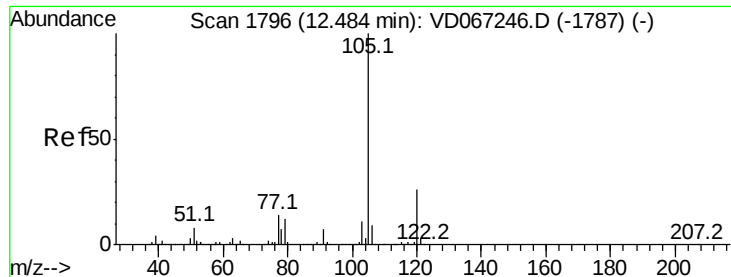
115 59.0 29.3 87.9

150 162.0 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: 20.501 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

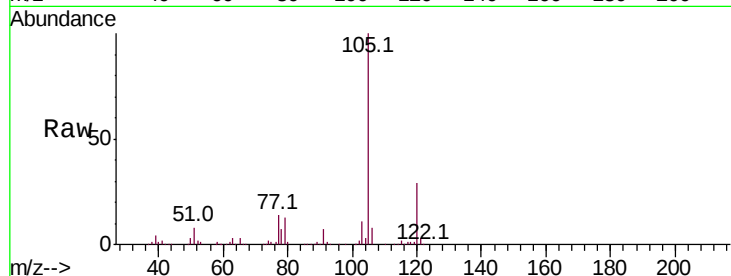
VD1020SBS01

Tot Ion:105 Resp: 298468

Ion Ratio Lower Upper

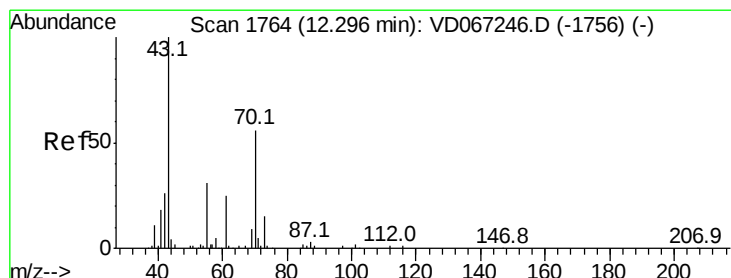
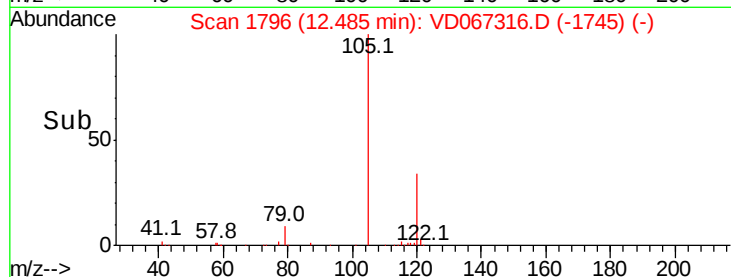
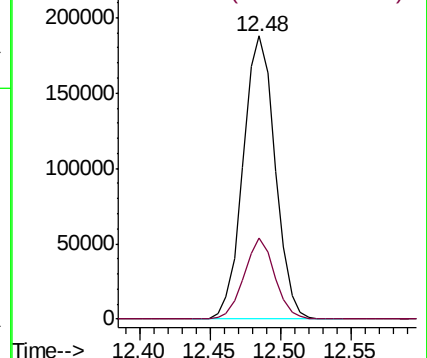
105 100

120 27.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.679 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion: 43 Resp: 41073

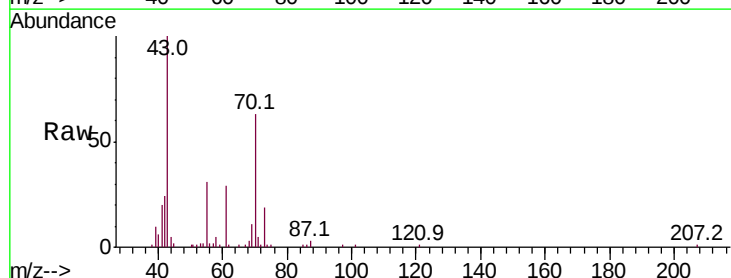
Ion Ratio Lower Upper

43 100

70 56.3 42.7 64.1

55 31.2 24.0 36.0

61 29.6 22.2 33.4

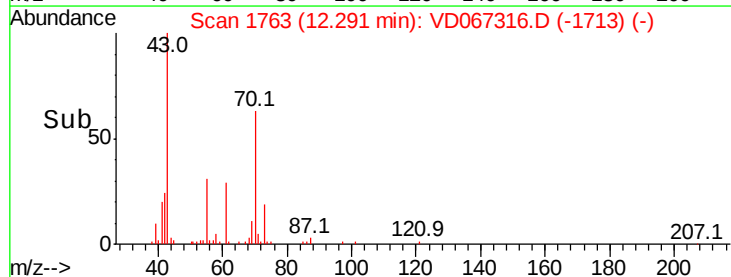
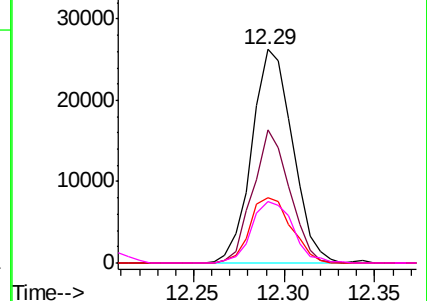


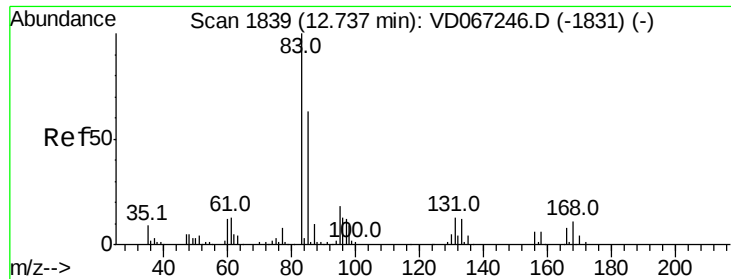
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.801 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBSD01

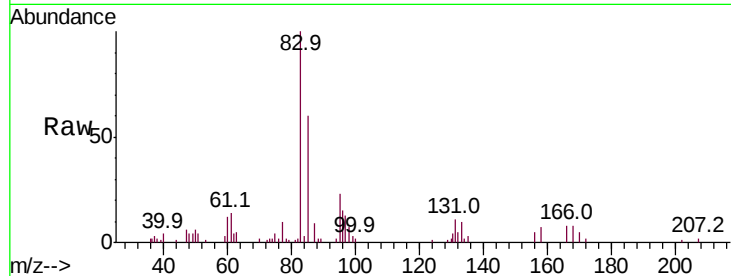
Tot Ion: 83 Resp: 41940

Ion Ratio Lower Upper

83 100

131 14.0 6.5 19.5

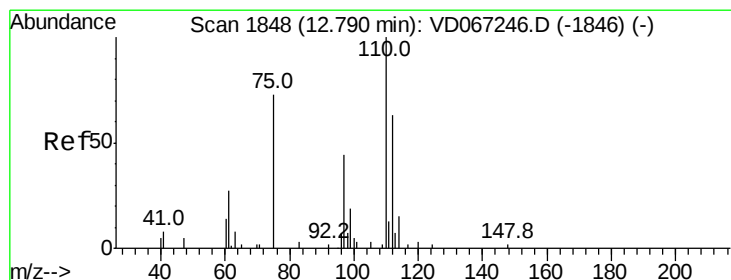
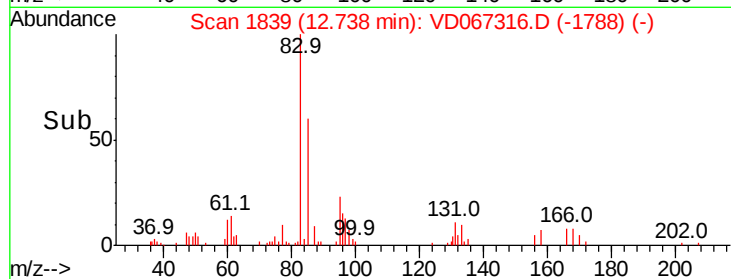
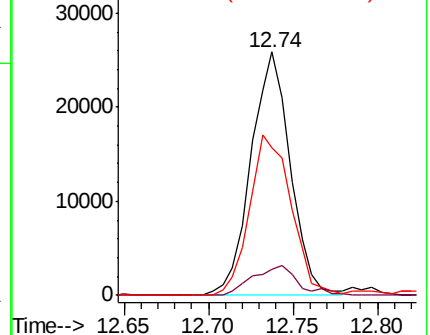
85 69.7 32.6 97.7



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: 38.352 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067316.D

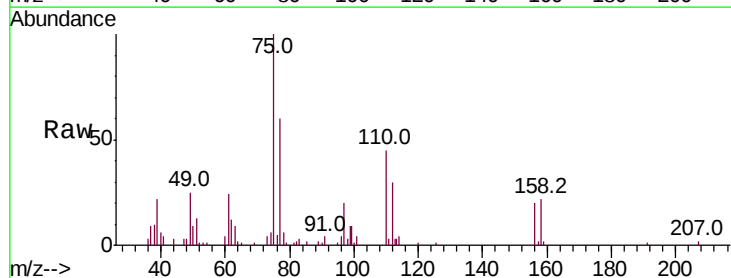
Acq: 20 Oct 2020 11:39

Tgt Ion: 75 Resp: 60976

Ion Ratio Lower Upper

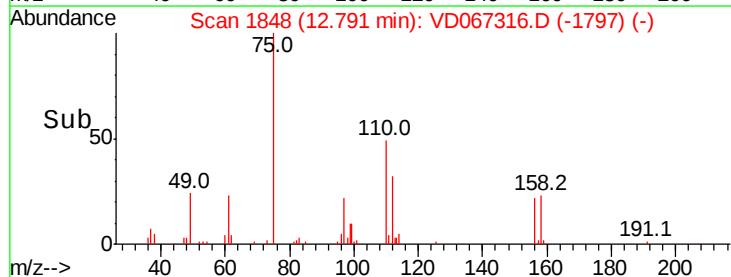
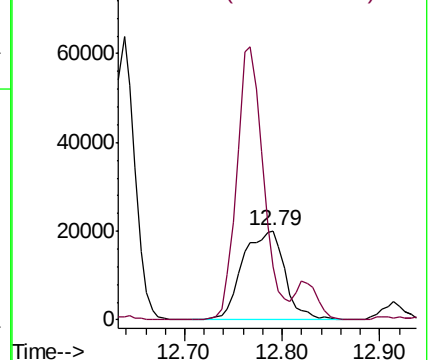
75 100

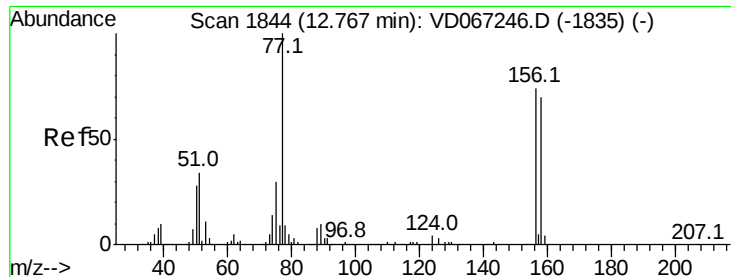
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

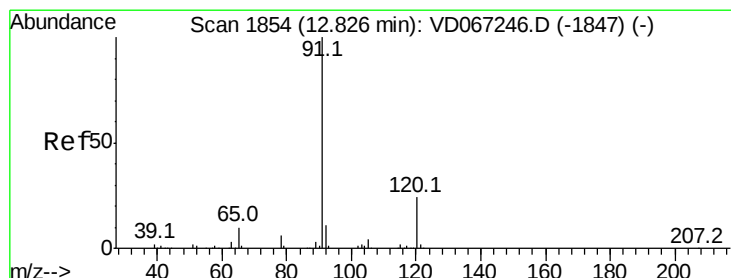
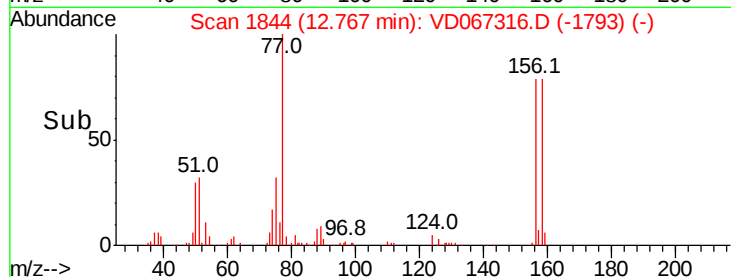
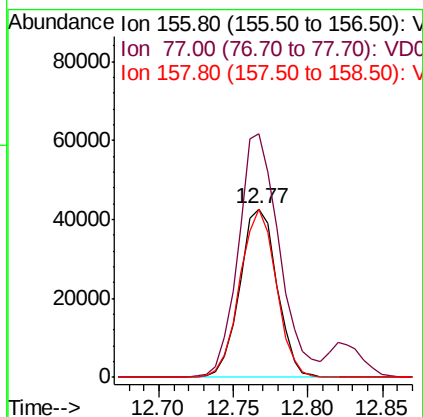
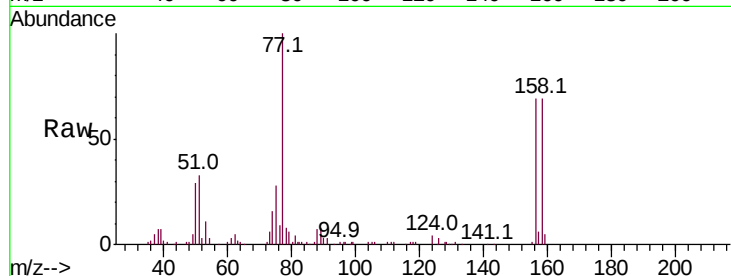




#77
Bromobenzene
Concen: 20.240 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

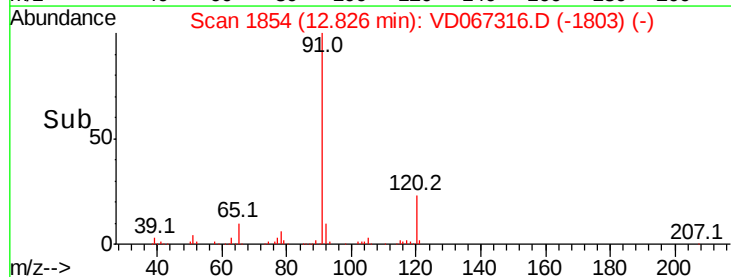
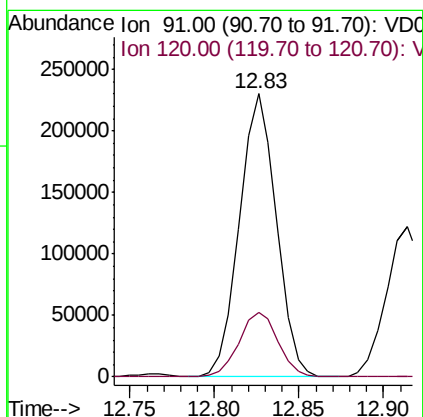
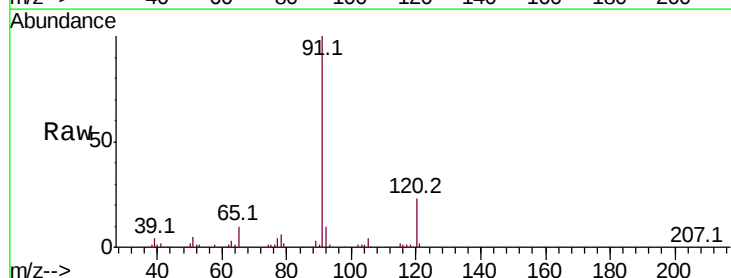
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

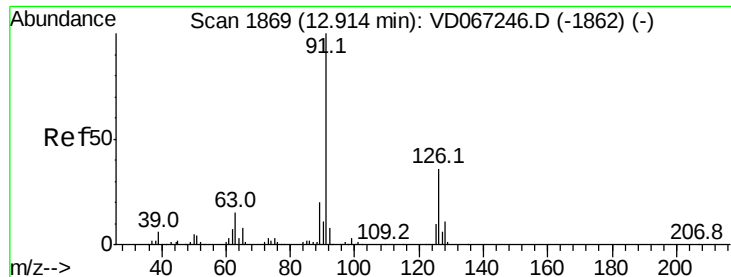
Tot Ion:156 Resp: 73463
Ion Ratio Lower Upper
156 100
77 160.8 78.0 233.8
158 97.5 49.1 147.3



#78
n-propylbenzene
Concen: 20.724 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 91 Resp: 349582
Ion Ratio Lower Upper
91 100
120 24.2 11.9 35.9





#79

2-Chlorotoluene

Concen: 20.719 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

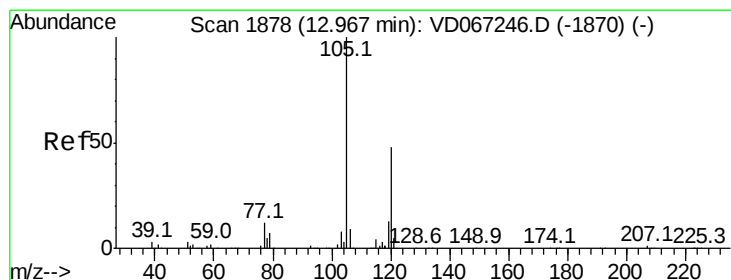
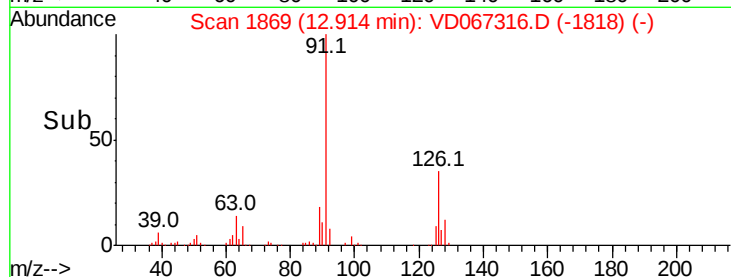
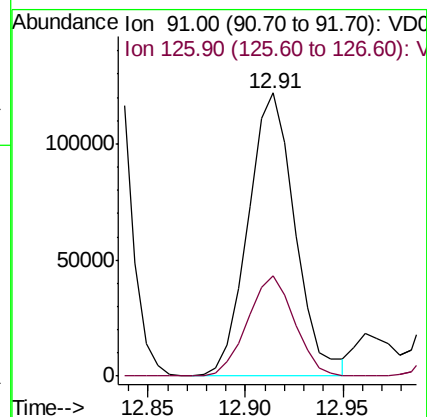
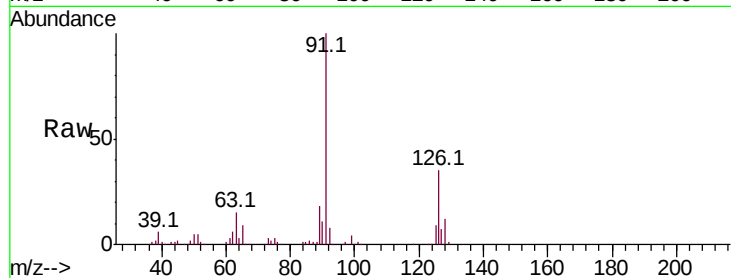
VD1020SBSD01

Tot Ion: 91 Resp: 202678

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.017 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067316.D

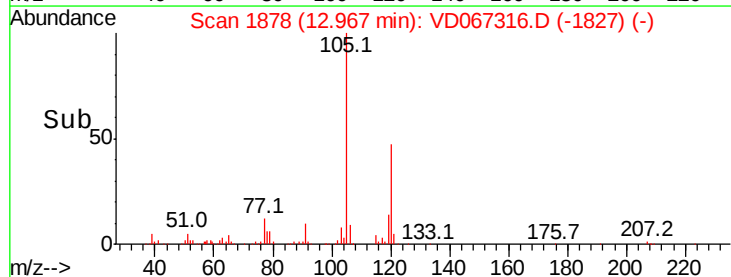
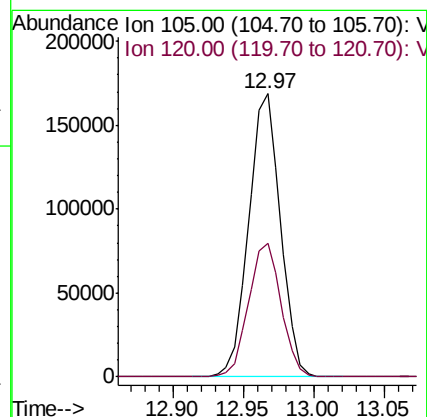
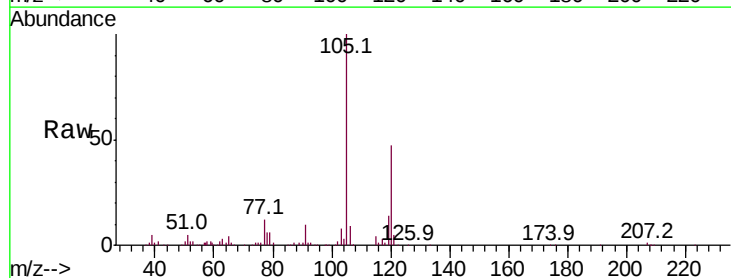
Acq: 20 Oct 2020 11:39

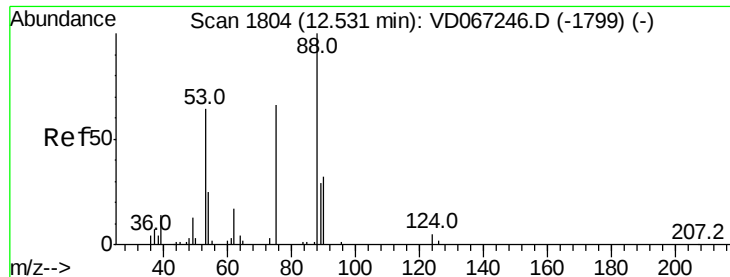
Tgt Ion: 105 Resp: 265889

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.768 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBSD01

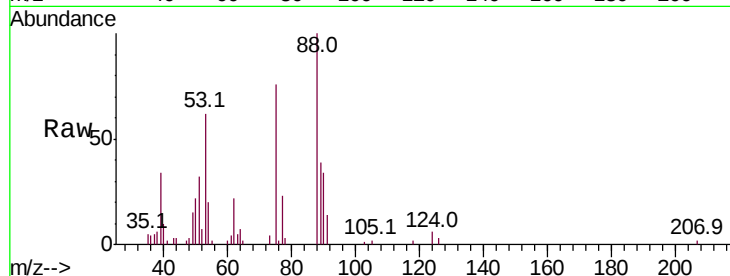
Tot Ion: 75 Resp: 13158

Ion Ratio Lower Upper

75 100

53 98.9 78.5 117.7

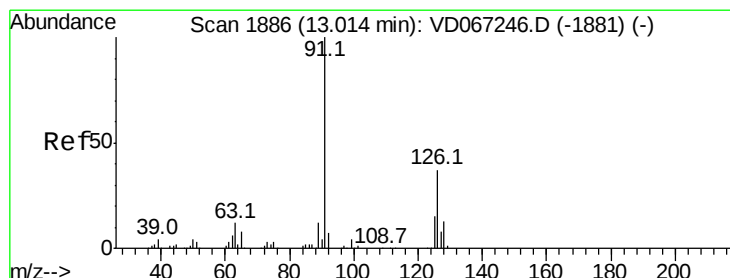
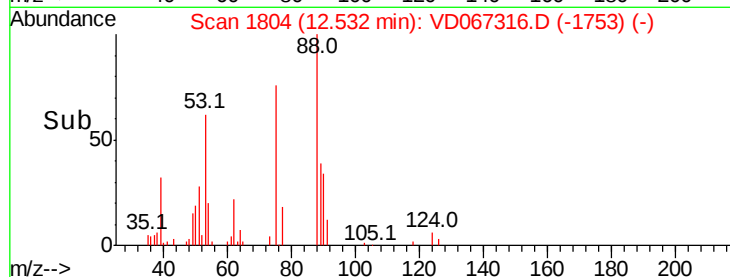
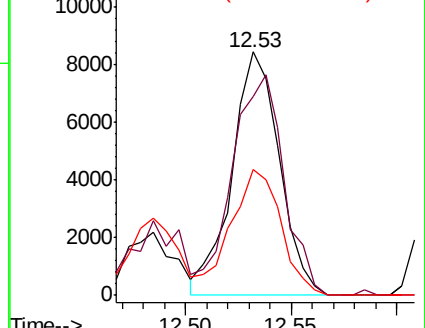
89 55.2 39.9 59.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.835 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067316.D

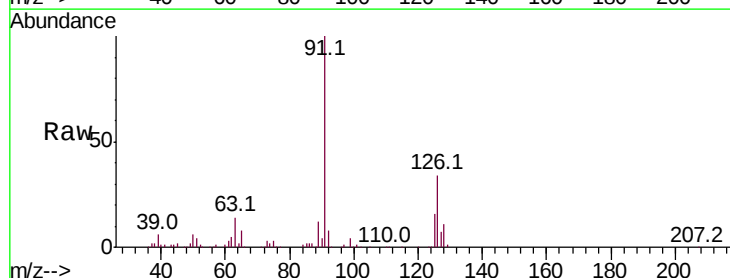
Acq: 20 Oct 2020 11:39

Tgt Ion: 91 Resp: 216318

Ion Ratio Lower Upper

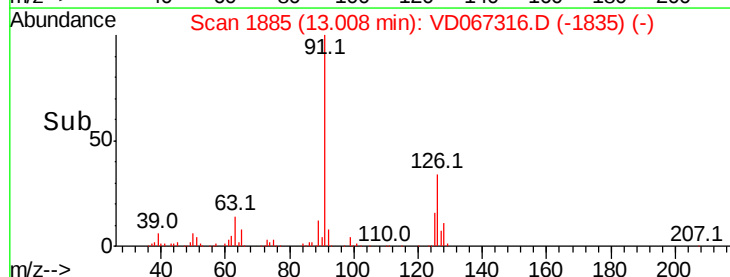
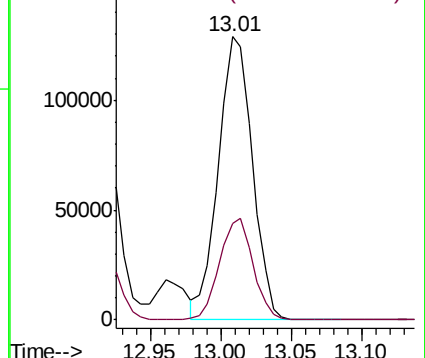
91 100

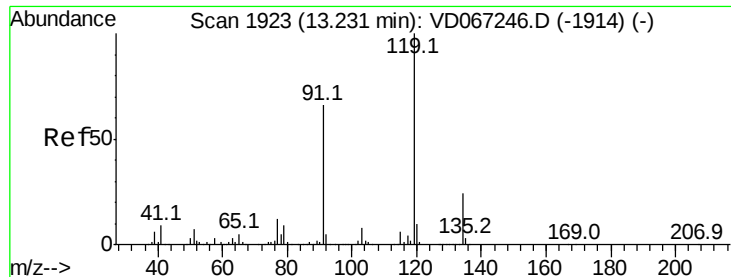
126 35.2 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.593 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

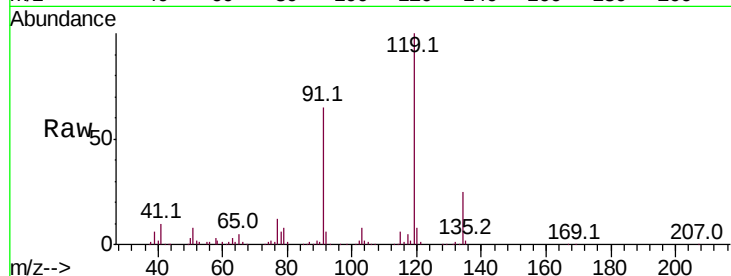
Tot Ion:119 Resp: 220075

Ion Ratio Lower Upper

119 100

91 65.5 33.1 99.2

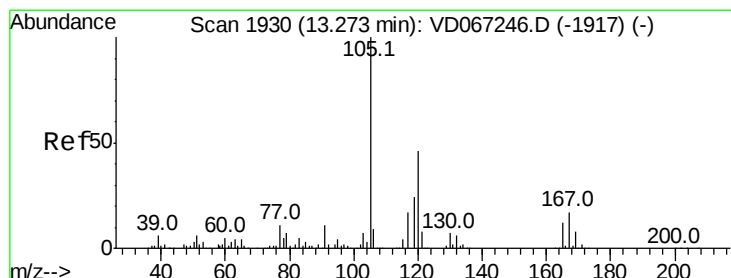
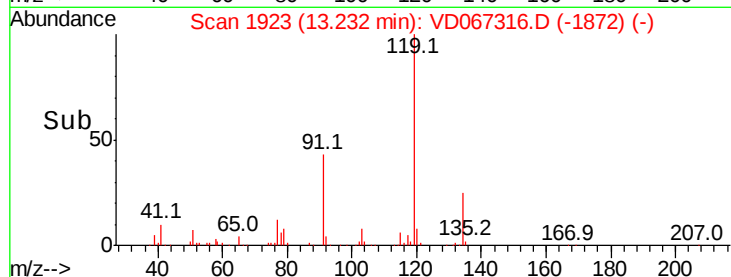
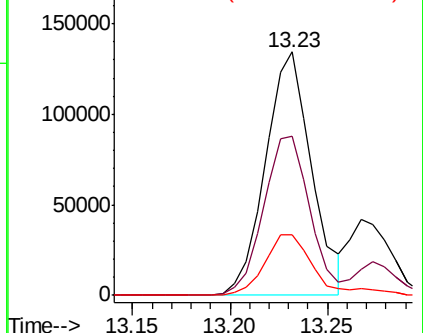
134 27.2 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.964 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD067316.D

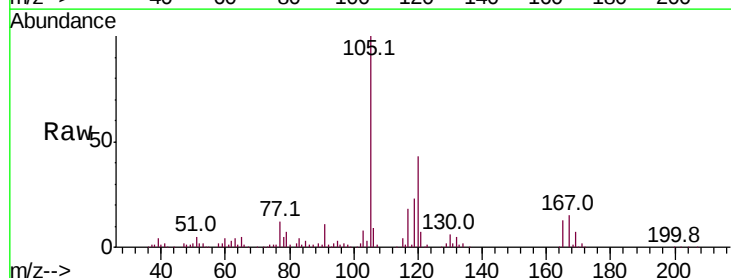
Acq: 20 Oct 2020 11:39

Tgt Ion:105 Resp: 262134

Ion Ratio Lower Upper

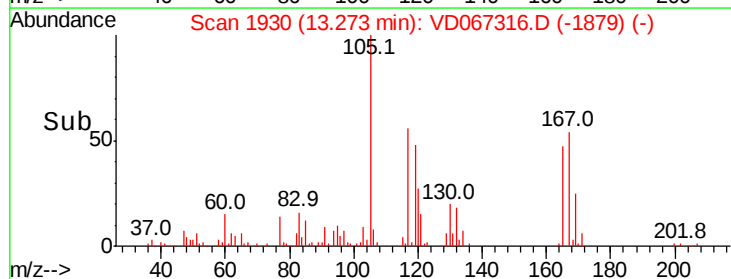
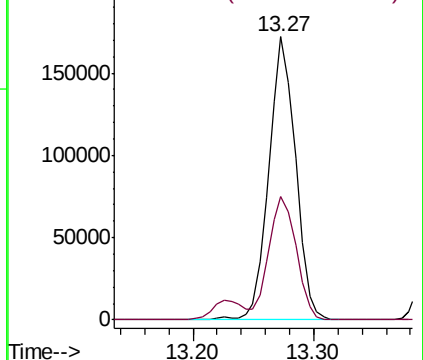
105 100

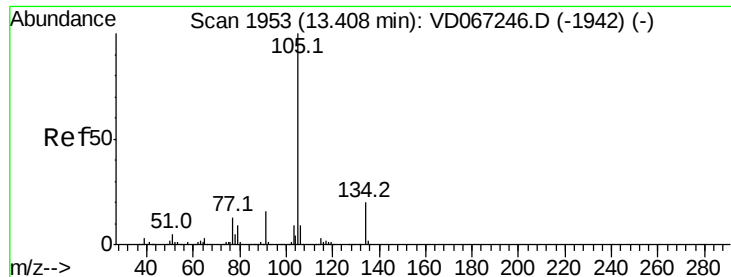
120 45.3 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.354 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

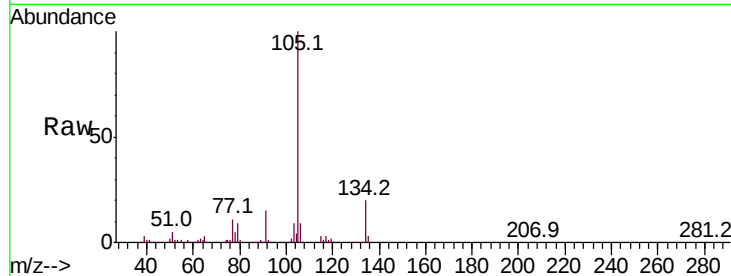
VD1020SBS01

Tot Ion:105 Resp: 298476

Ion Ratio Lower Upper

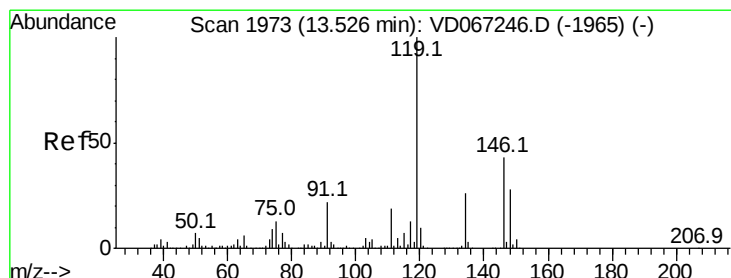
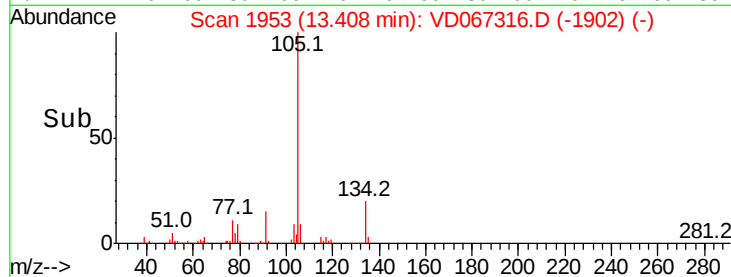
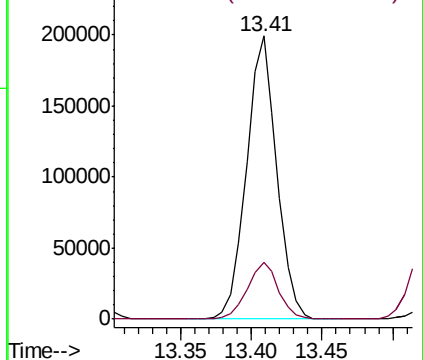
105 100

134 20.6 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.734 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

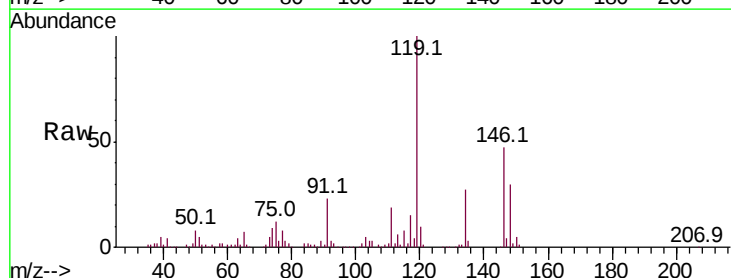
Tgt Ion:119 Resp: 286976

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

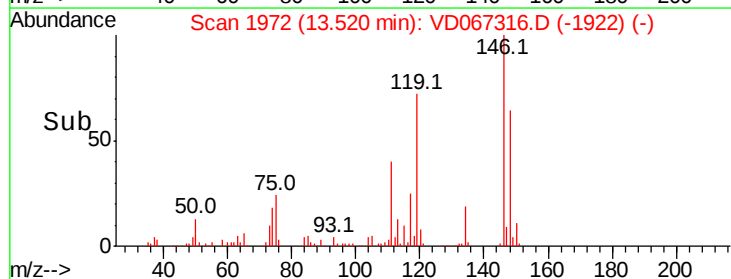
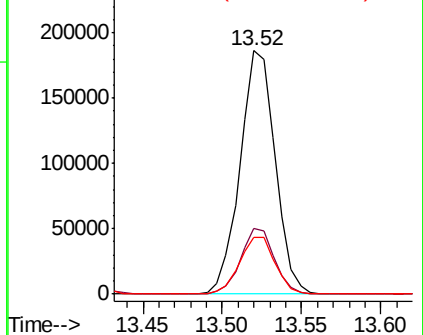
91 23.8 11.9 35.9

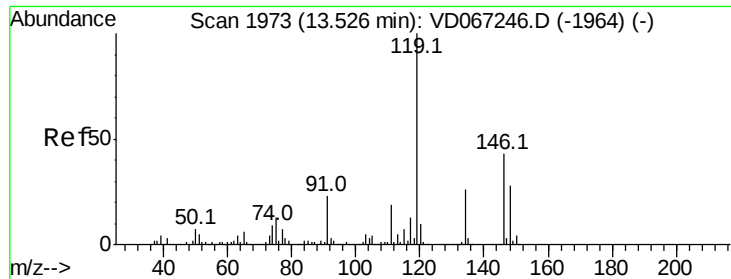


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.789 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

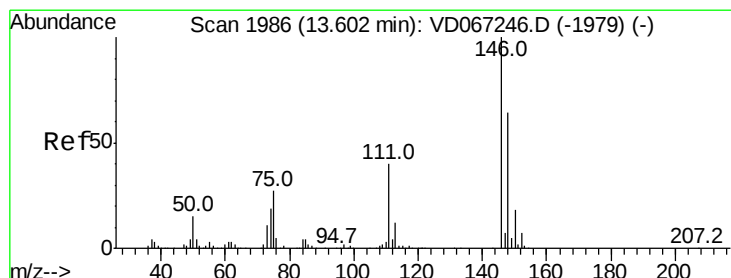
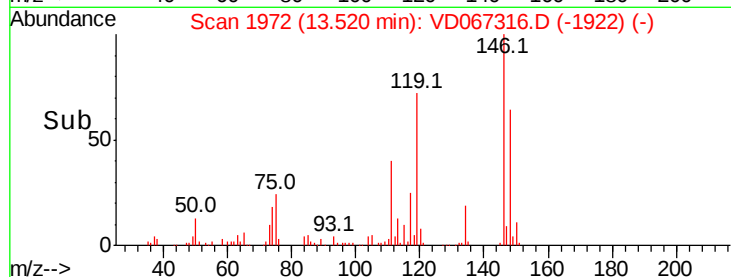
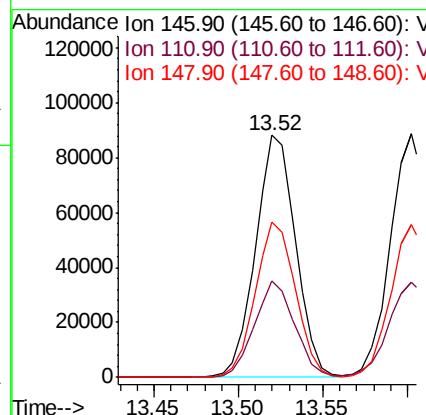
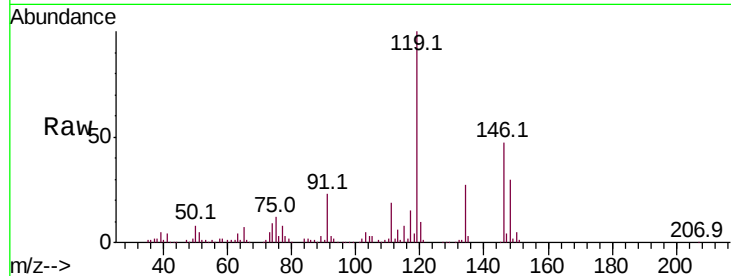
Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

Tot Ion:146 Resp: 145236

Ion	Ratio	Lower	Upper
146	100		
111	39.9	21.1	63.3
148	64.3	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 20.919 ug/l

RT: 13.60 min Scan# 1986

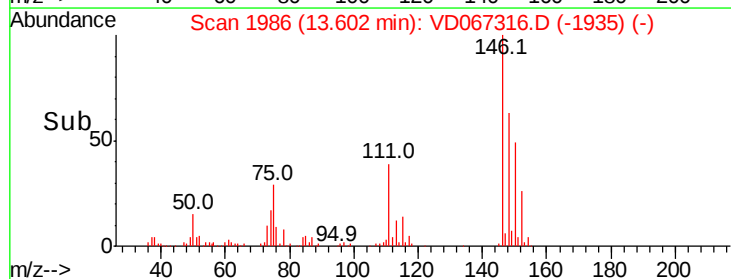
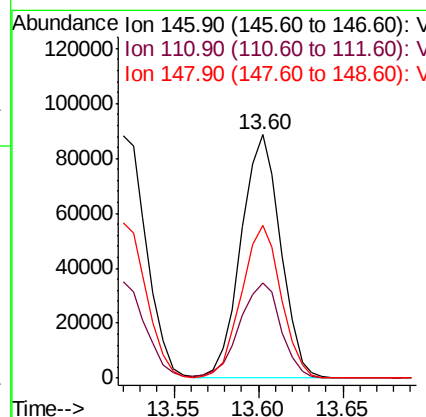
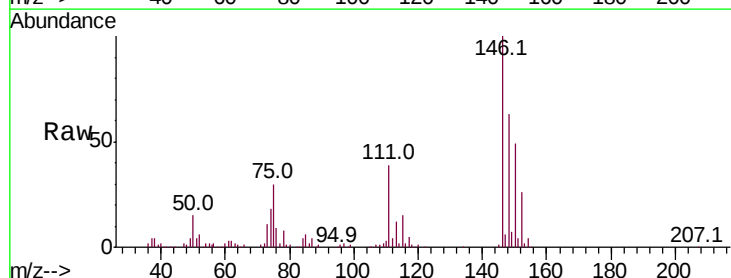
Delta R.T. 0.00 min

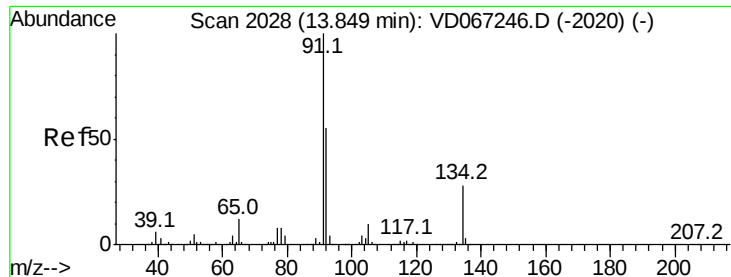
Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Tgt Ion:146 Resp: 144790

Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.9	59.7
148	62.8	31.9	95.9

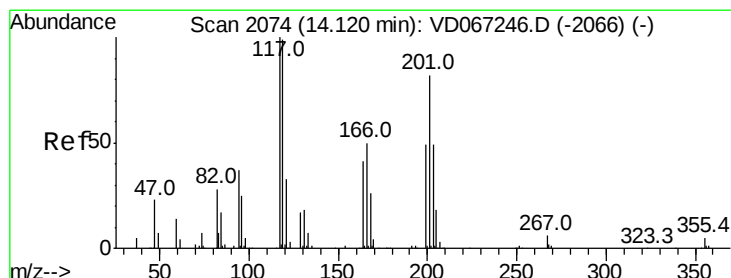
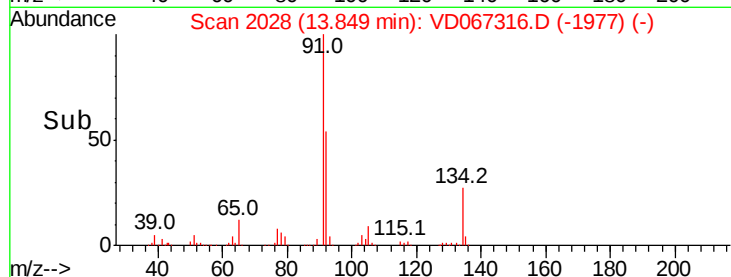
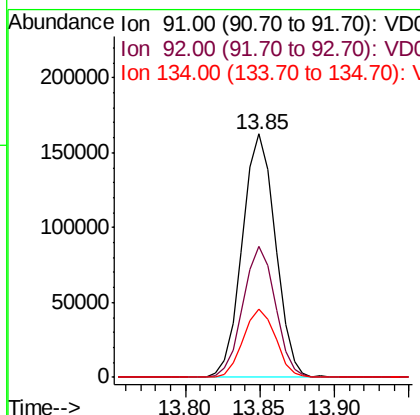
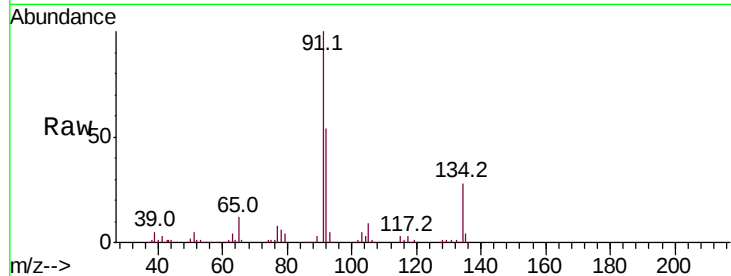




#89
n-Butylbenzene
Concen: 20.539 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

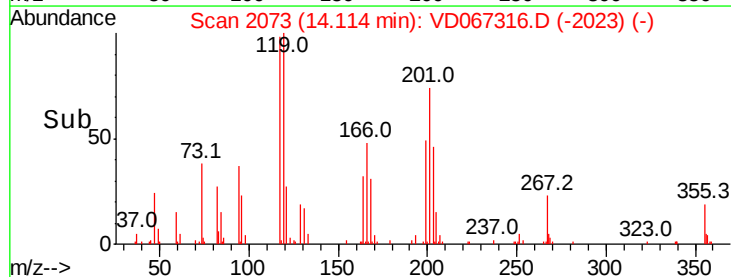
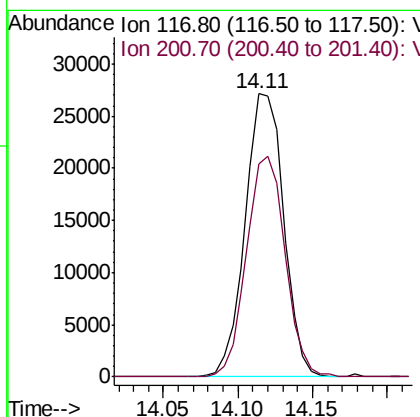
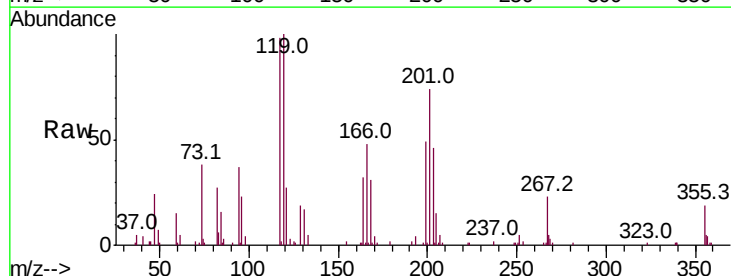
Instrument :
MSVOA_D
ClientSampleId :
VD1020SBSD01

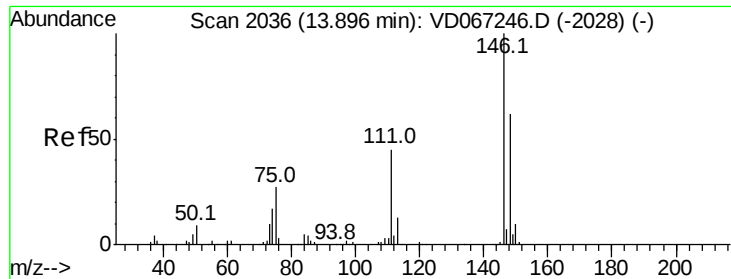
Tot Ion: 91 Resp: 250088
Ion Ratio Lower Upper
91 100
92 52.5 26.7 80.0
134 27.2 14.2 42.6



#90
Hexachloroethane
Concen: 20.087 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067316.D
Acq: 20 Oct 2020 11:39

Tgt Ion: 117 Resp: 48516
Ion Ratio Lower Upper
117 100
201 78.0 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 20.252 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBSD01

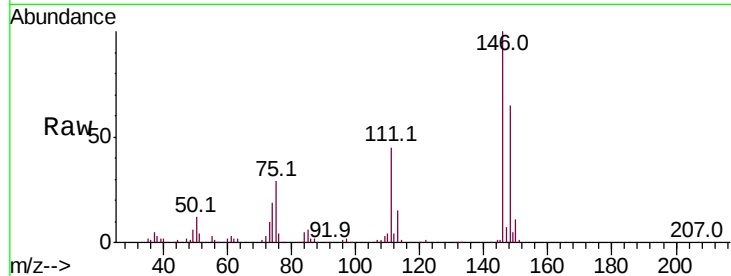
Tot Ion:146 Resp: 123599

Ion Ratio Lower Upper

146 100

111 43.2 22.0 66.0

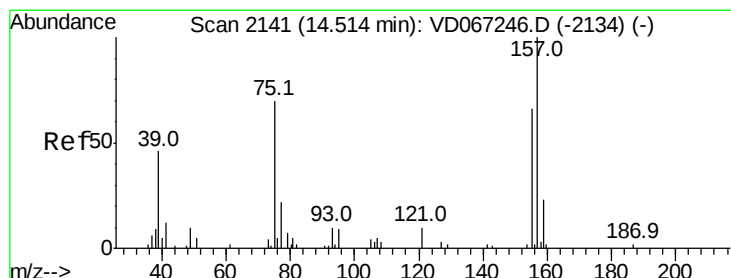
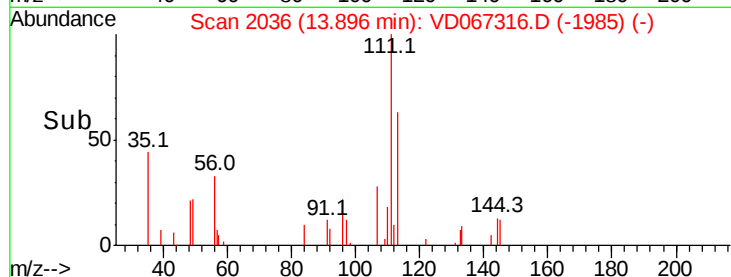
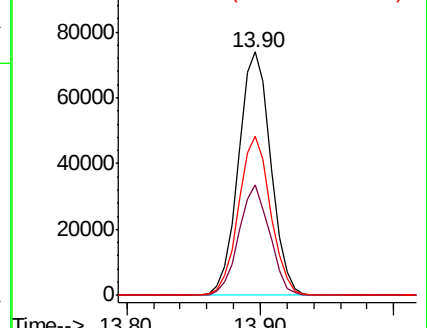
148 64.5 32.5 97.5



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: 18.981 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

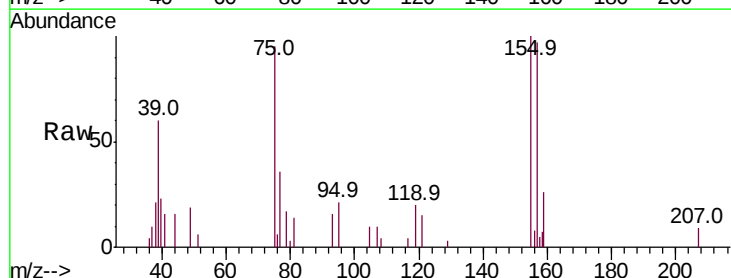
Tgt Ion: 75 Resp: 7692

Ion Ratio Lower Upper

75 100

155 96.0 44.8 134.4

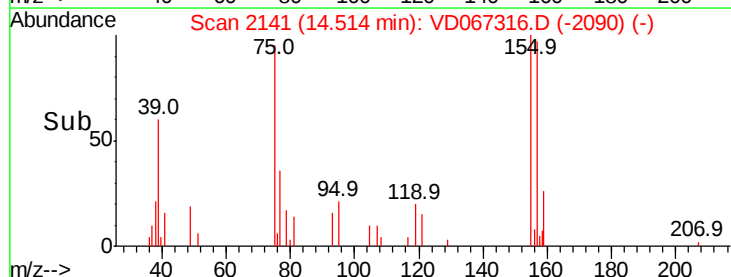
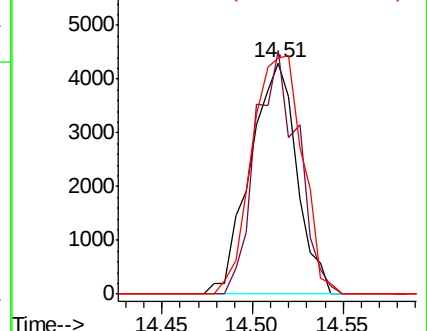
157 111.7 62.5 187.4

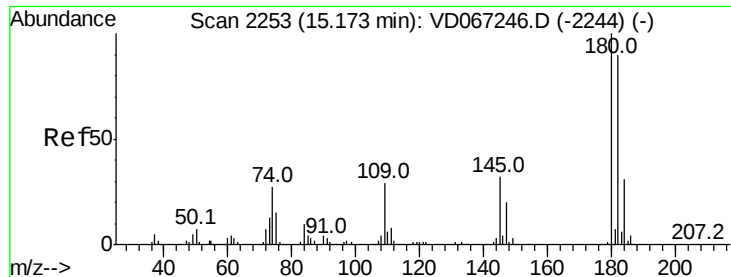


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

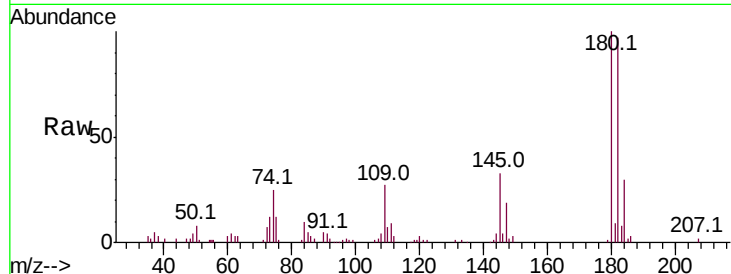




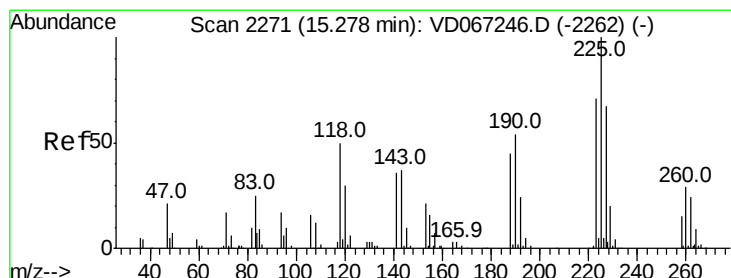
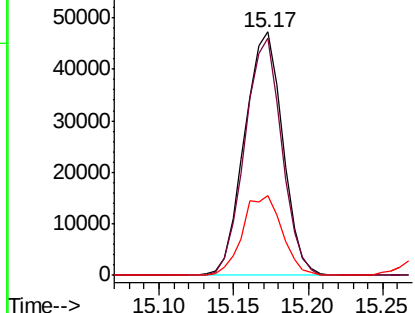
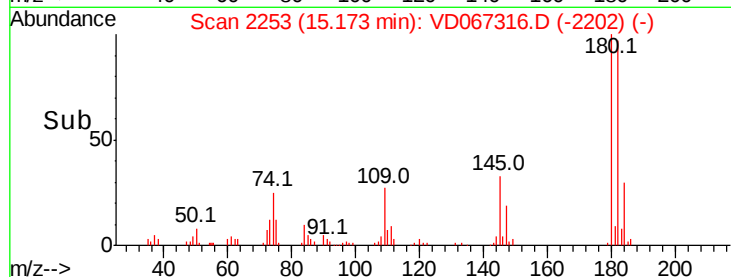
#93
 1,2,4-Trichlorobenzene
 Concen: 20.230 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.4
145	33.8	16.3	48.9

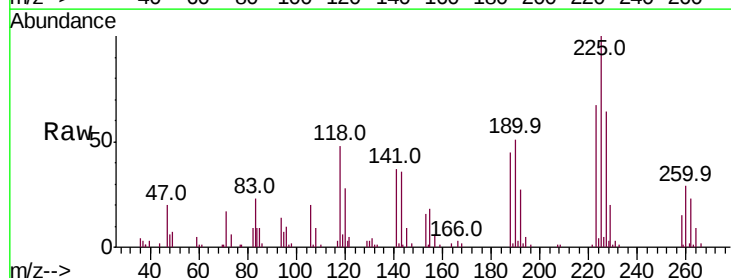


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

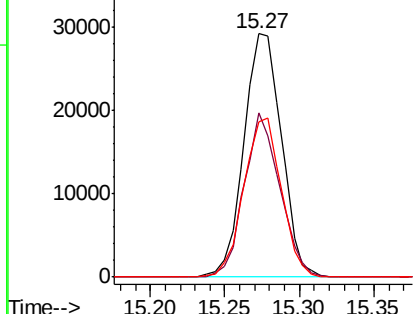
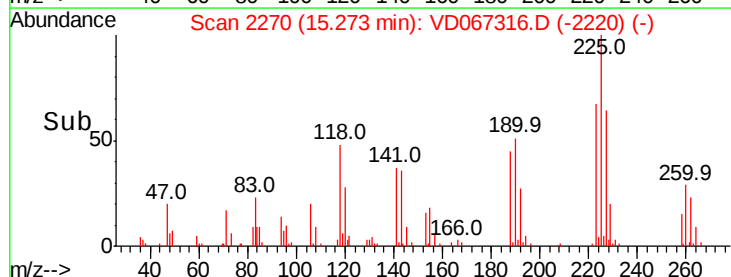


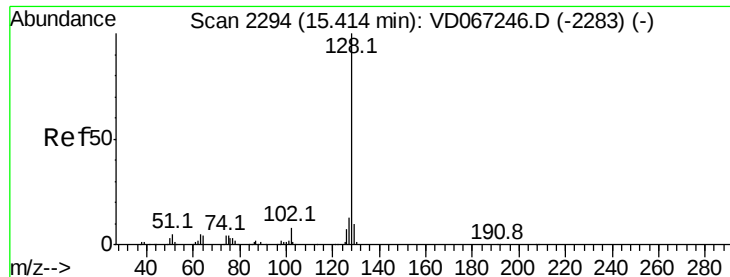
#94
 Hexachlorobutadiene
 Concen: 19.924 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067316.D
 Acq: 20 Oct 2020 11:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	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: 18.966 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBSD01

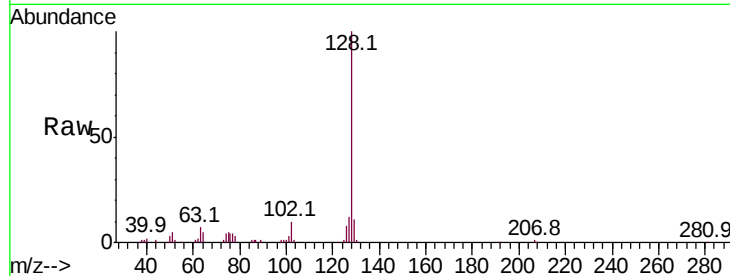
Tot Ion:128 Resp: 128133

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

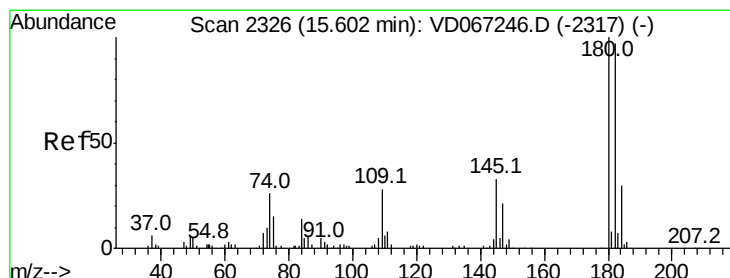
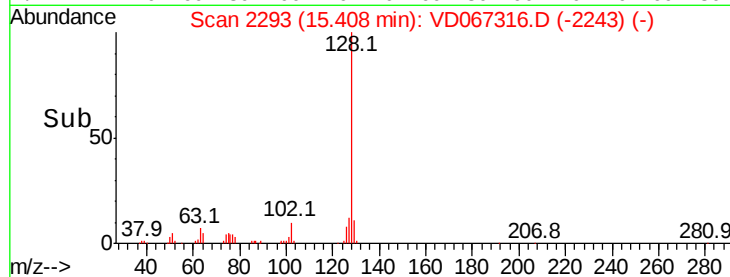
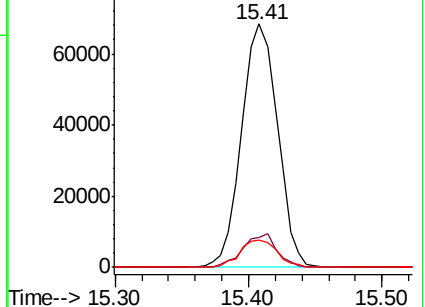
129 11.6 8.6 12.8



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: 20.394 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067316.D

Acq: 20 Oct 2020 11:39

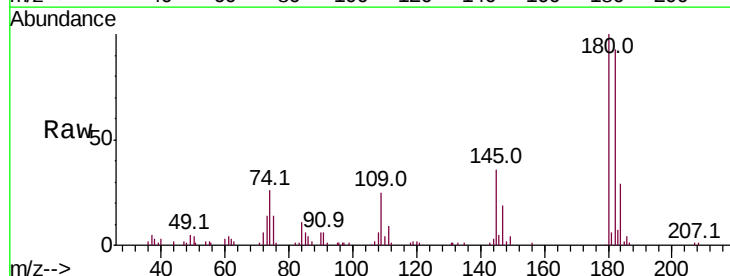
Tgt Ion:180 Resp: 72498

Ion Ratio Lower Upper

180 100

182 95.4 48.1 144.3

145 35.3 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

