

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067463.D
 Acq On : 30 Oct 2020 10:44
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Quant Time: Oct 30 12:08:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	302565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	453498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214332	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	152007	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	7.92	113	156205	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
50) Toluene-d8	10.34	98	556401	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.64	95	197965	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	50562	18.022	ug/l	95
3) Chloromethane	2.21	50	32423	17.027	ug/l	97
4) Vinyl Chloride	2.35	62	39952	19.122	ug/l	91
5) Bromomethane	2.77	94	31010	19.915	ug/l	95
6) Chloroethane	2.92	64	24315	18.687	ug/l	95
7) Trichlorofluoromethane	3.27	101	108698	20.661	ug/l	93
8) Diethyl Ether	3.71	74	22783	18.925	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58131	20.797	ug/l	99
10) Methyl Iodide	4.30	142	48309	18.736	ug/l	96
11) Tert butyl alcohol	5.21	59	20576	103.917	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	48398	19.382	ug/l	91
13) Acrolein	3.92	56	7845	61.215	ug/l	100
14) Allyl chloride	4.71	41	54031	18.894	ug/l	98
15) Acrylonitrile	5.43	53	41593	103.543	ug/l	97
16) Acetone	4.16	43	45764	107.800	ug/l	94
17) Carbon Disulfide	4.41	76	126530	17.774	ug/l	100
18) Methyl Acetate	4.71	43	19283	19.915	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	98409	19.819	ug/l	99
20) Methylene Chloride	4.97	84	61175	19.784	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	57848	20.131	ug/l	86
22) Diisopropyl ether	6.37	45	106934	20.470	ug/l	97
23) Vinyl Acetate	6.31	43	299109	100.642	ug/l	97
24) 1,1-Dichloroethane	6.27	63	90293	20.192	ug/l	94
25) 2-Butanone	7.21	43	48322	99.856	ug/l	90
26) 2,2-Dichloropropane	7.21	77	95027	20.617	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	62759	19.927	ug/l	97
28) Bromochloromethane	7.56	49	29566	19.384	ug/l #	99
29) Tetrahydrofuran	7.57	42	27003	100.383	ug/l	94
30) Chloroform	7.71	83	112621	21.082	ug/l	96
31) Cyclohexane	7.99	56	65161	18.664	ug/l	84
32) 1,1,1-Trichloroethane	7.90	97	109685	20.927	ug/l	98
36) 1,1-Dichloropropene	8.12	75	76481	19.898	ug/l	97
37) Ethyl Acetate	7.30	43	23525	20.802	ug/l	94
38) Carbon Tetrachloride	8.10	117	102266	20.817	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067463.D
 Acq On : 30 Oct 2020 10:44
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Quant Time: Oct 30 12:08:13 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)
39) Methylcyclohexane	9.36	83	80912	20.136	ug/l	95
40) Benzene	8.36	78	215209	20.409	ug/l	98
41) Methacrylonitrile	7.56	41	31155	50.981	ug/l #	19
42) 1,2-Dichloroethane	8.43	62	69457	21.048	ug/l	100
43) Isopropyl Acetate	8.46	43	44905	20.011	ug/l	97
44) Trichloroethene	9.12	130	70029	20.742	ug/l	91
45) 1,2-Dichloropropane	9.39	63	49829	20.390	ug/l	96
46) Dibromomethane	9.48	93	31452	20.656	ug/l	93
47) Bromodichloromethane	9.67	83	86421	21.184	ug/l #	97
48) Methyl methacrylate	9.46	41	20642	18.929	ug/l	95
49) 1,4-Dioxane	9.48	88	6383	415.434	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	110232	98.490	ug/l	98
52) Toluene	10.41	92	149996	20.885	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	75129	20.965	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	82881	19.762	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	44560	21.461	ug/l	97
56) Ethyl methacrylate	10.67	69	43535	20.217	ug/l	97
57) 1,3-Dichloropropane	10.96	76	70579	21.360	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	112903	102.205	ug/l	98
59) 2-Hexanone	10.99	43	77408	101.213	ug/l	98
60) Dibromochloromethane	11.15	129	61196	20.210	ug/l	99
61) 1,2-Dibromoethane	11.25	107	41324	20.188	ug/l	99
64) Tetrachloroethene	10.88	164	62415	20.634	ug/l	91
65) Chlorobenzene	11.68	112	168394	21.034	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	67387	21.178	ug/l	98
67) Ethyl Benzene	11.75	91	286658	20.888	ug/l	98
68) m/p-Xylenes	11.86	106	225077	42.590	ug/l	99
69) o-Xylene	12.18	106	99936	20.421	ug/l	99
70) Styrene	12.20	104	177864	21.113	ug/l	98
71) Bromoform	12.37	173	35231	20.610	ug/l #	97
73) Isopropylbenzene	12.48	105	286071	21.030	ug/l	100
74) N-amyl acetate	12.29	43	39683	19.315	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	42748	20.510	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	57286	38.563	ug/l #	100
77) Bromobenzene	12.77	156	72336	21.330	ug/l	99
78) n-propylbenzene	12.83	91	335318	21.276	ug/l	100
79) 2-Chlorotoluene	12.91	91	187661	20.532	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	253205	21.420	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13479	20.576	ug/l	97
82) 4-Chlorotoluene	13.01	91	201537	20.775	ug/l	97
83) tert-Butylbenzene	13.23	119	209333	20.964	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	248791	21.294	ug/l	100
85) sec-Butylbenzene	13.41	105	288659	21.068	ug/l	99
86) p-Isopropyltoluene	13.53	119	273271	21.131	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	140644	21.546	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	136810	21.154	ug/l	98
89) n-Butylbenzene	13.85	91	240265	21.118	ug/l	99
90) Hexachloroethane	14.11	117	46797	20.737	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	119668	20.985	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7388	19.511	ug/l	91

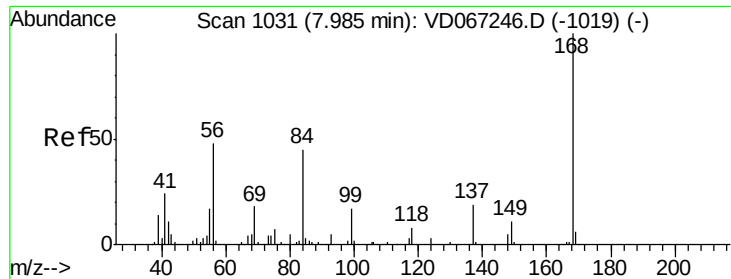
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103020\
Data File : VD067463.D
Acq On : 30 Oct 2020 10:44
Operator : VA/SY
Sample : VD1030SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Quant Time: Oct 30 12:08:13 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	81286	21.142	ug/l	98
94) Hexachlorobutadiene	15.27	225	51065	21.388	ug/l	98
95) Naphthalene	15.41	128	126978	20.116	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68402	20.594	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

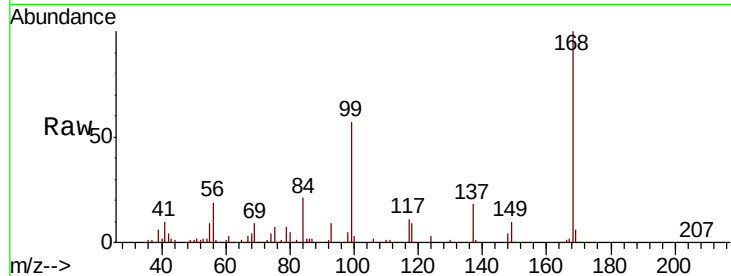
VD1030SBS01

Tot Ion:168 Resp: 302565

Ion Ratio Lower Upper

168 100

99 56.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

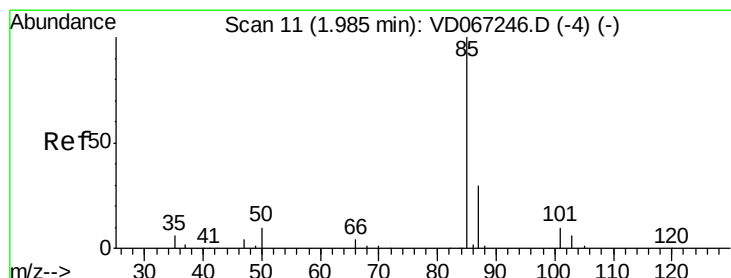
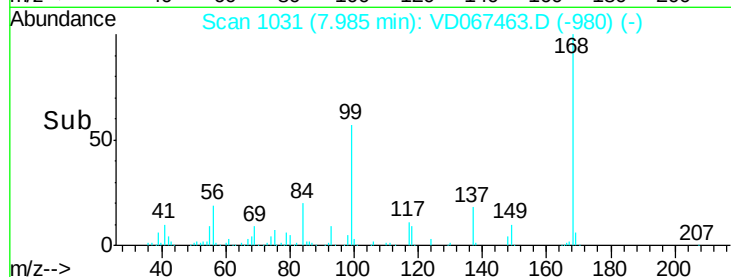
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.022 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067463.D

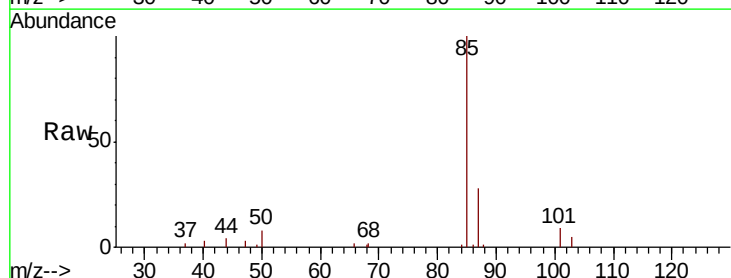
Acq: 30 Oct 2020 10:44

Tgt Ion: 85 Resp: 50562

Ion Ratio Lower Upper

85 100

87 27.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

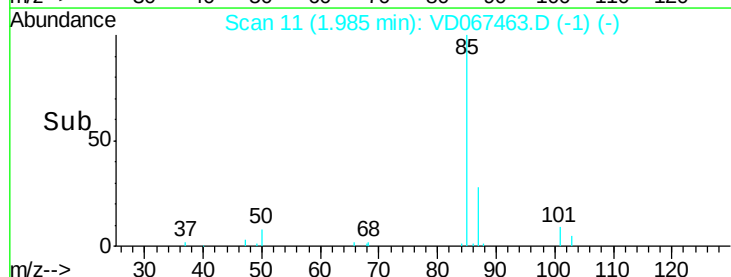
20000

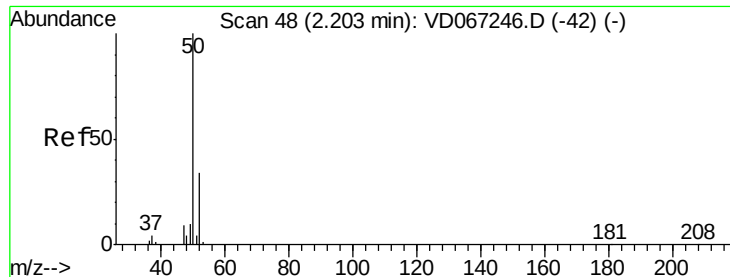
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 17.027 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

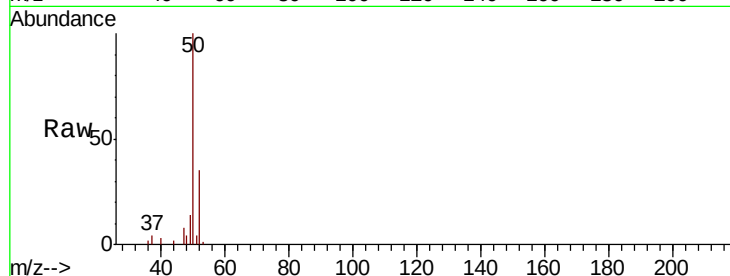
VD1030SBS01

Tot Ion: 50 Resp: 32423

Ion Ratio Lower Upper

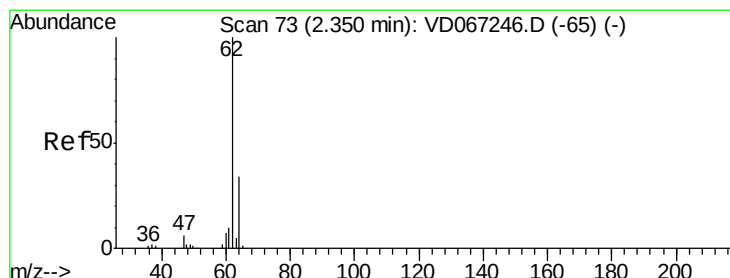
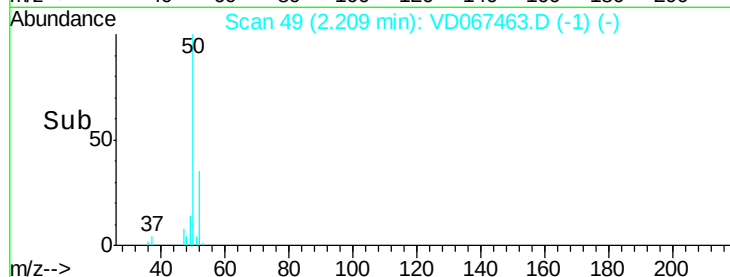
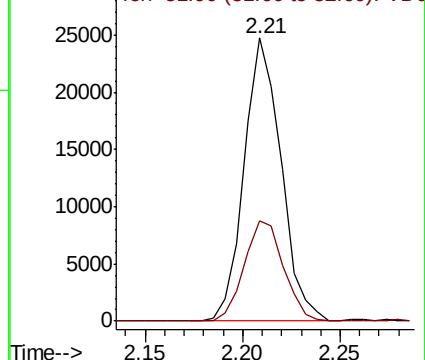
50 100

52 35.4 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.122 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067463.D

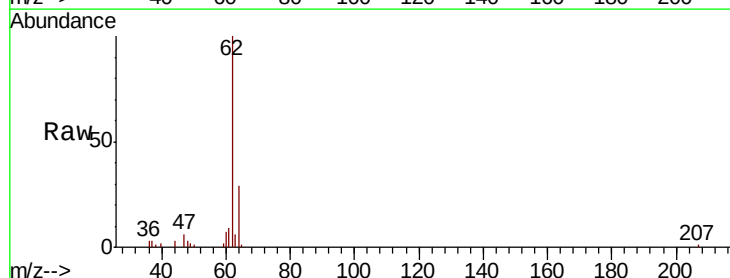
Acq: 30 Oct 2020 10:44

Tgt Ion: 62 Resp: 39952

Ion Ratio Lower Upper

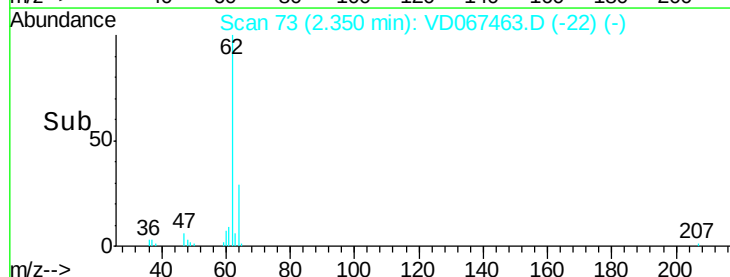
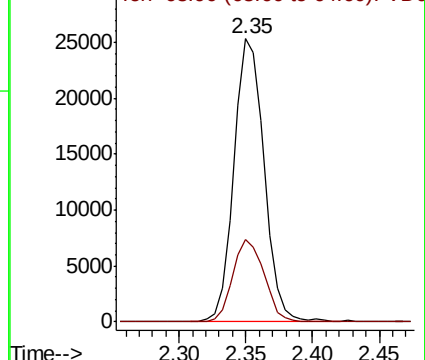
62 100

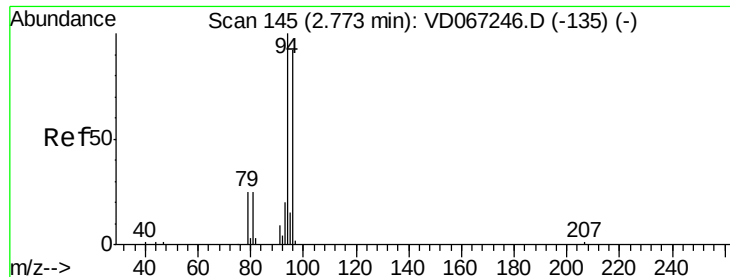
64 29.0 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.915 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

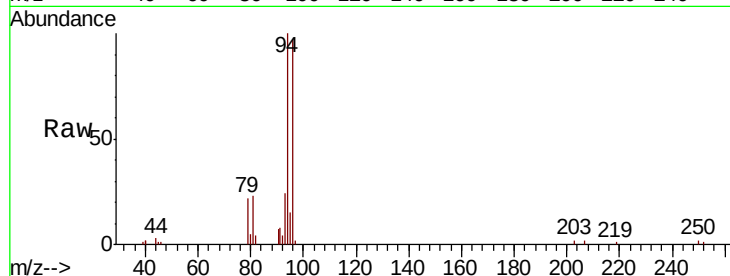
VD1030SBS01

Tot Ion: 94 Resp: 31010

Ion Ratio Lower Upper

94 100

96 97.1 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

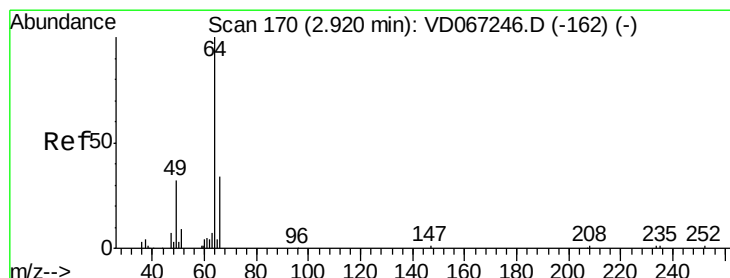
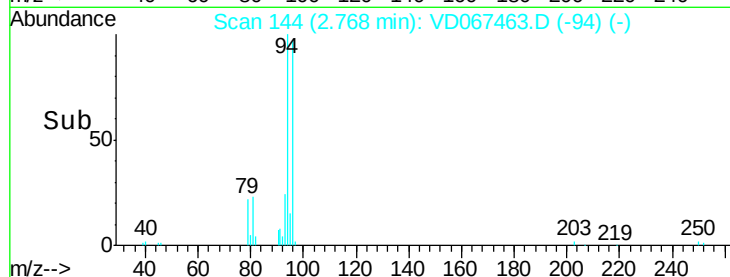
10000

5000

0

2.70 2.80

Time-->



#6

Chloroethane

Concen: 18.687 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067463.D

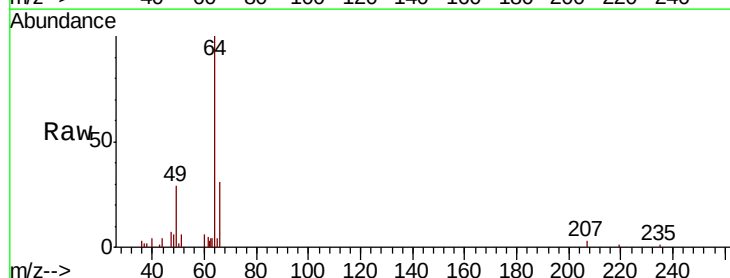
Acq: 30 Oct 2020 10:44

Tgt Ion: 64 Resp: 24315

Ion Ratio Lower Upper

64 100

66 31.2 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

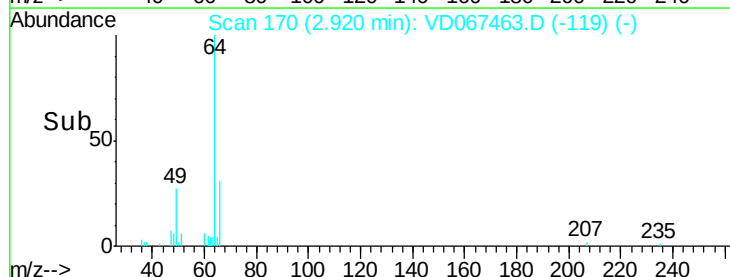
10000

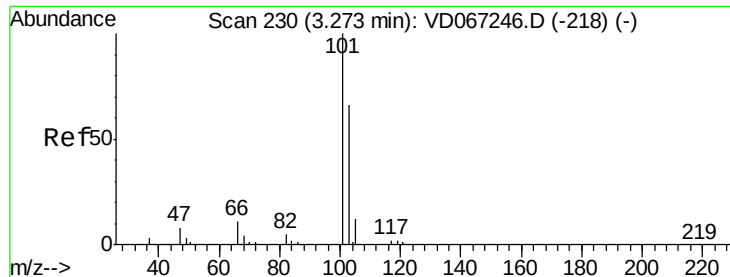
5000

0

2.85 2.90 2.95 3.00

Time-->



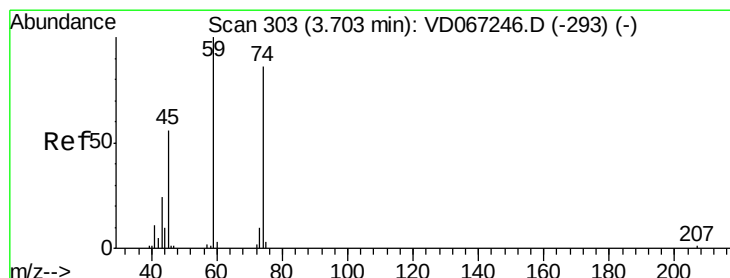
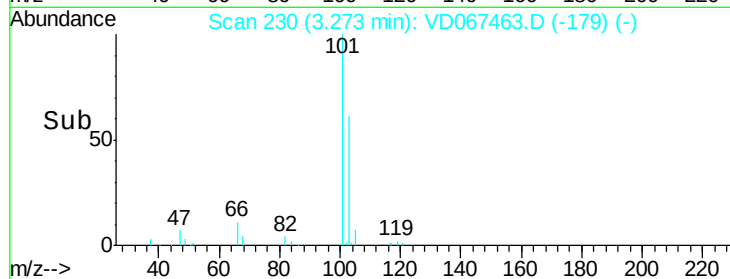
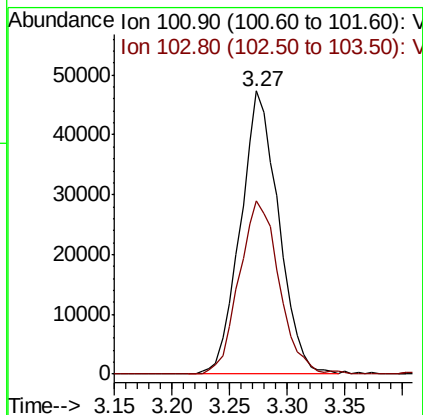
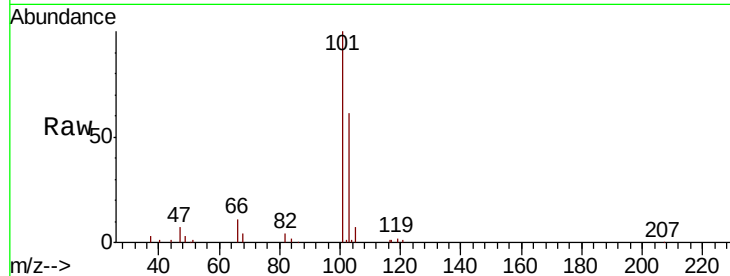


#7

Trichlorofluoromethane
 Concen: 20.661 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

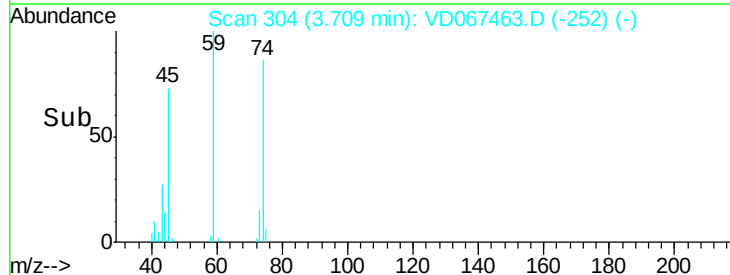
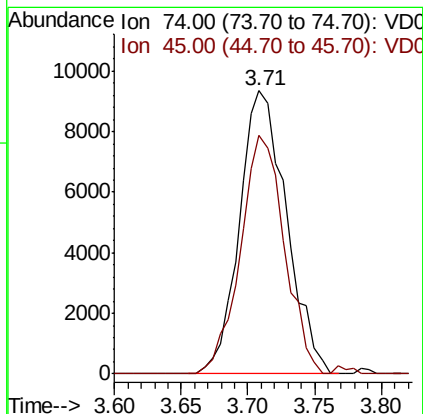
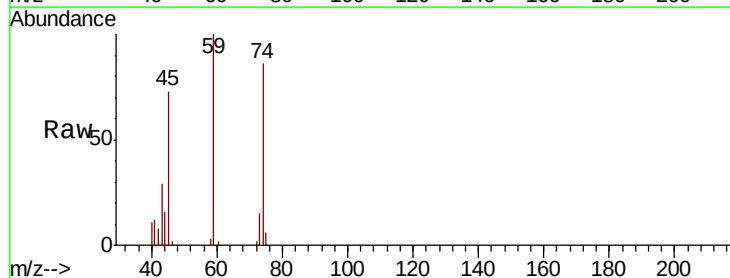
Tot Ion:101 Resp: 108698
 Ion Ratio Lower Upper
 101 100
 103 61.1 53.1 79.7

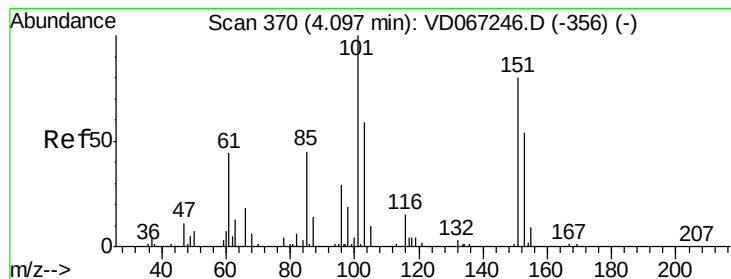


#8

Diethyl Ether
 Concen: 18.925 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion: 74 Resp: 22783
 Ion Ratio Lower Upper
 74 100
 45 79.0 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.797 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

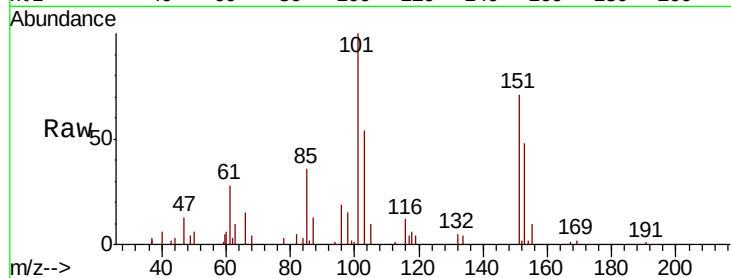
Tot Ion:101 Resp: 58131

Ion Ratio Lower Upper

101 100

85 41.5 34.2 51.4

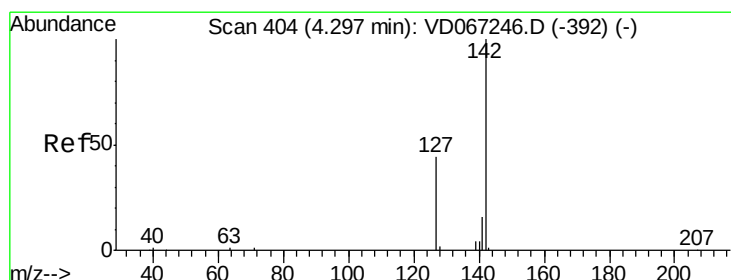
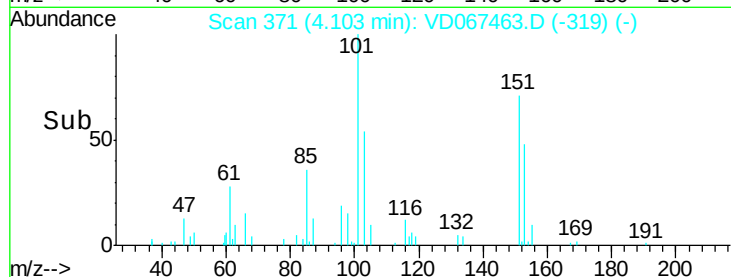
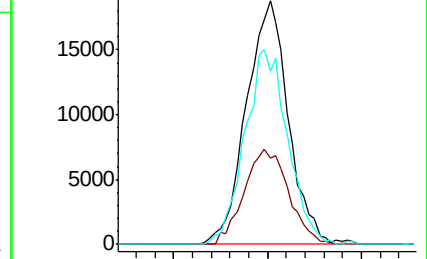
151 81.9 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.736 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

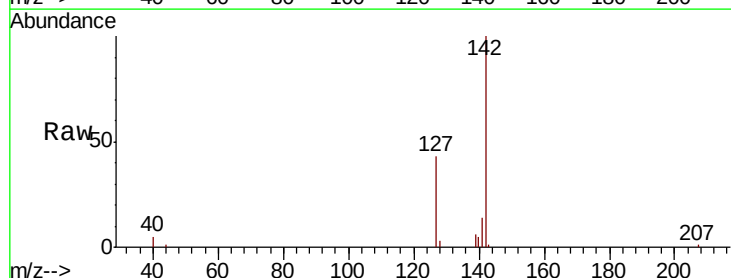
Tgt Ion:142 Resp: 48309

Ion Ratio Lower Upper

142 100

127 51.5 38.4 57.6

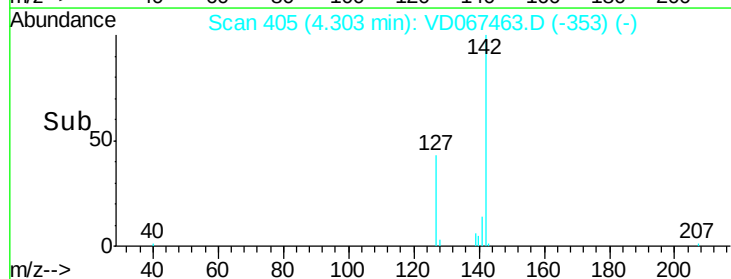
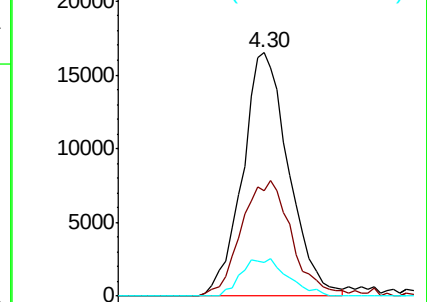
141 15.4 11.6 17.4

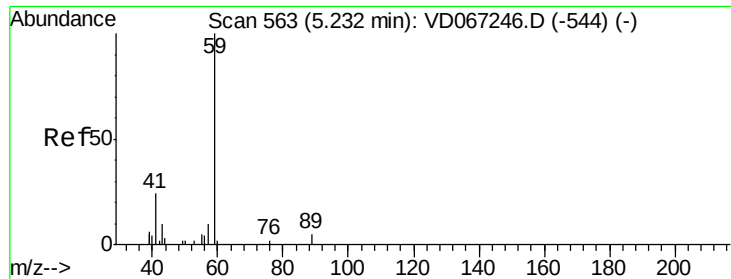


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 103.917 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

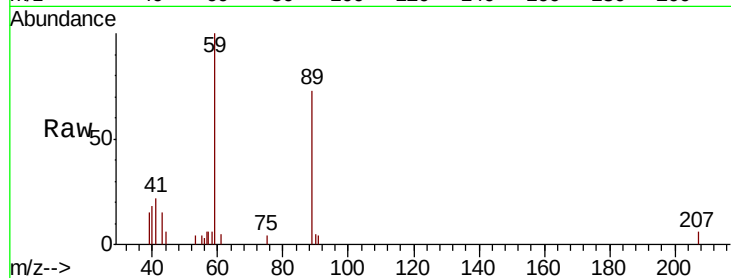
VD1030SBS01

Tot Ion: 59 Resp: 20576

Ion Ratio Lower Upper

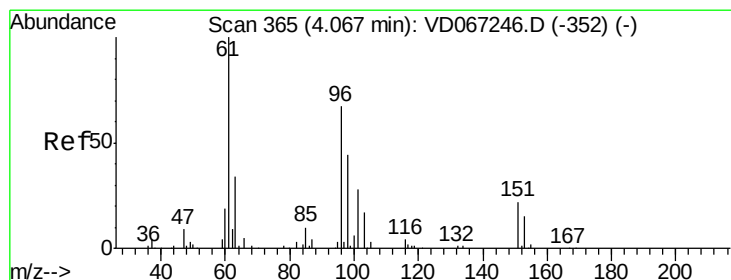
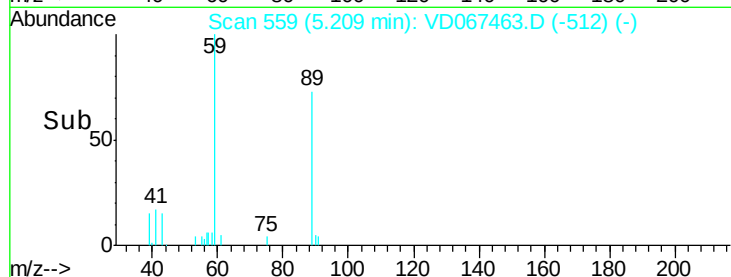
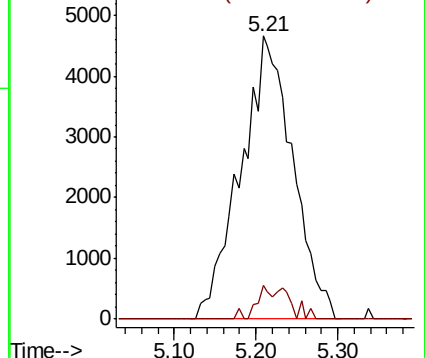
59 100

57 3.2 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.382 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

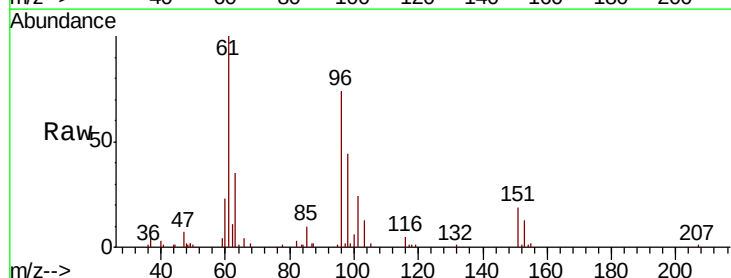
Tgt Ion: 96 Resp: 48398

Ion Ratio Lower Upper

96 100

61 135.8 118.6 177.8

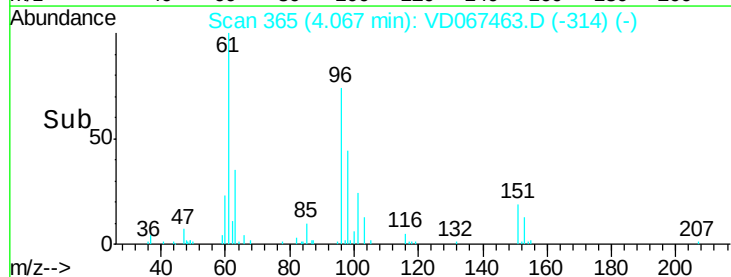
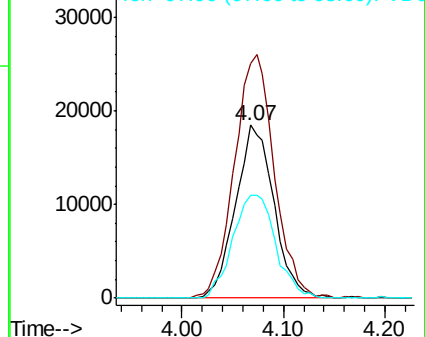
98 59.6 51.8 77.6

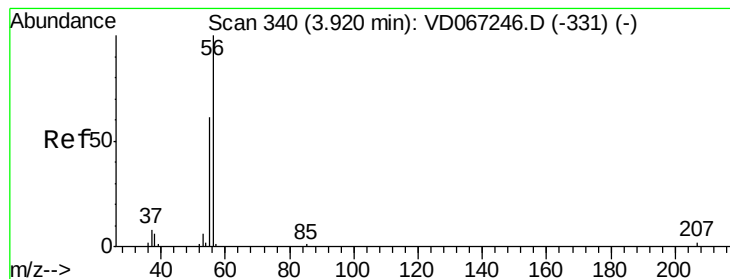


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 61.215 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

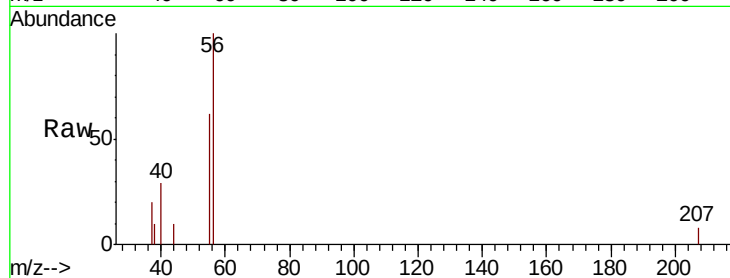
VD1030SBS01

Tot Ion: 56 Resp: 7845

Ion Ratio Lower Upper

56 100

55 70.4 56.0 84.0

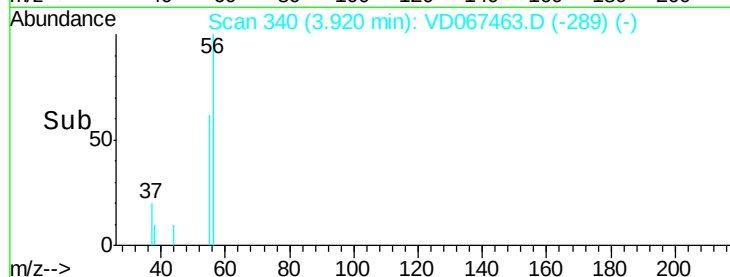


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



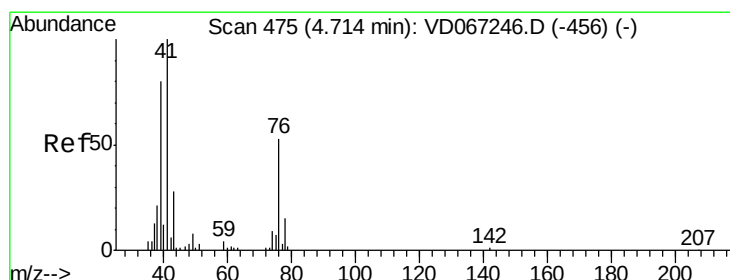
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



#14

Allyl chloride

Concen: 18.894 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

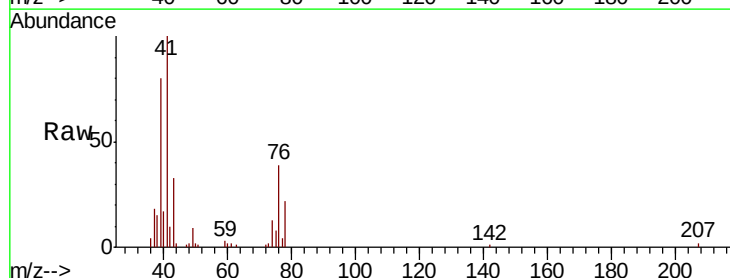
Tgt Ion: 41 Resp: 54031

Ion Ratio Lower Upper

41 100

39 81.5 63.8 95.6

76 48.9 40.4 60.6



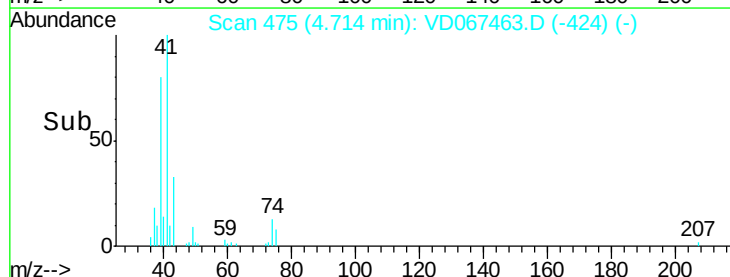
Abundance Ion 41.00 (40.70 to 41.70): VDC

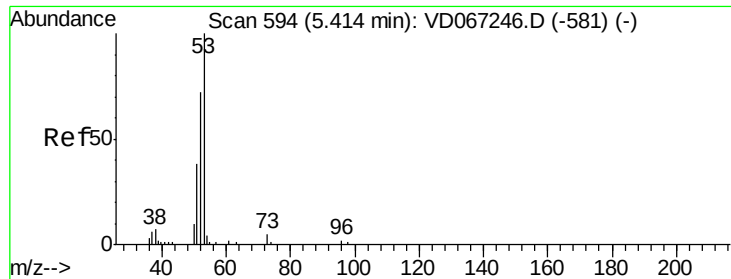
Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->





#15

Acrylonitrile

Concen: 103.543 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.02 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

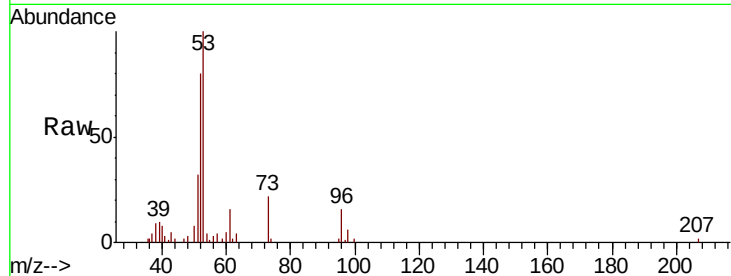
Tot Ion: 53 Resp: 41593

Ion Ratio Lower Upper

53 100

52 80.5 65.6 98.4

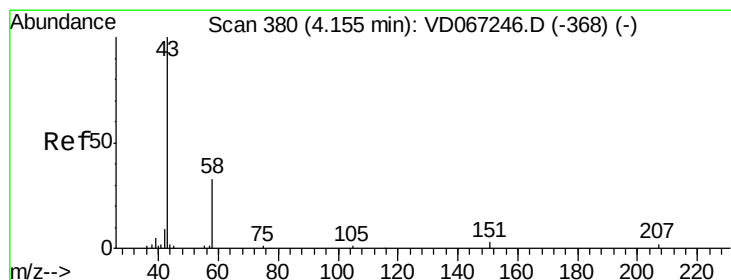
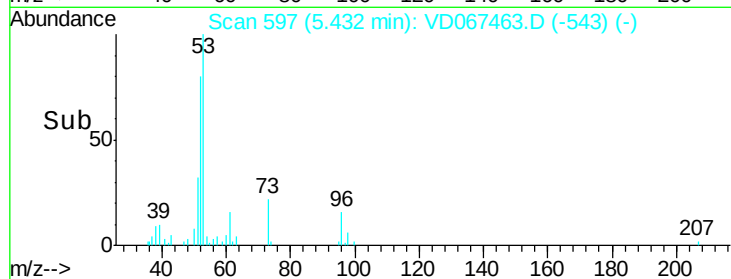
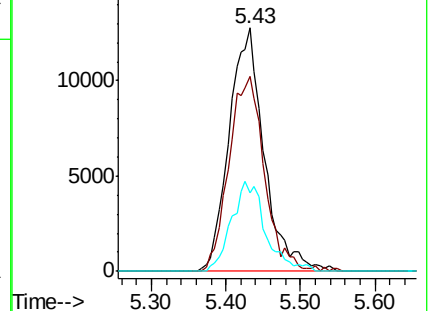
51 35.9 30.8 46.2



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: 107.800 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067463.D

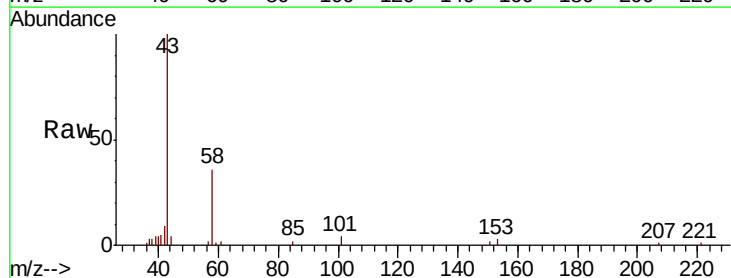
Acq: 30 Oct 2020 10:44

Tgt Ion: 43 Resp: 45764

Ion Ratio Lower Upper

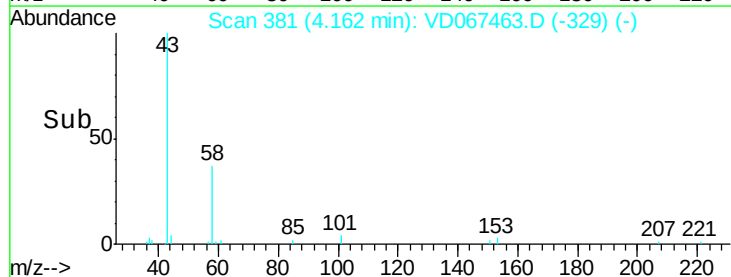
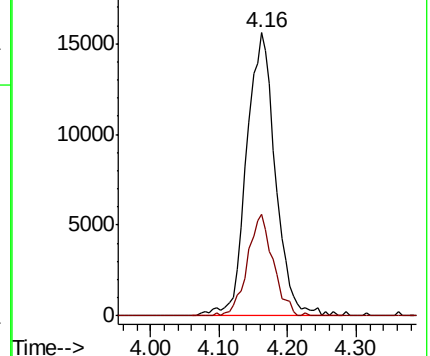
43 100

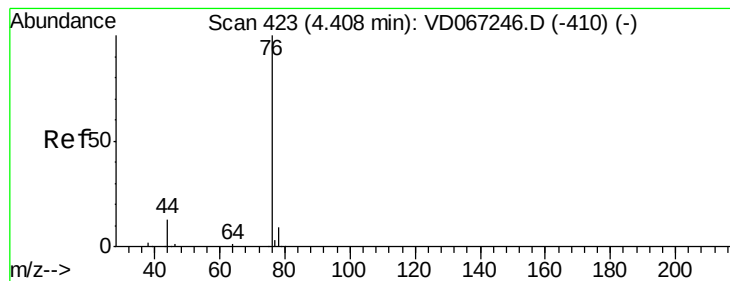
58 36.0 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 17.774 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

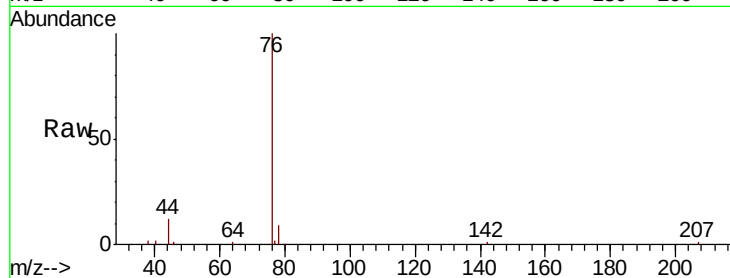
VD1030SBS01

Tot Ion: 76 Resp: 126530

Ion Ratio Lower Upper

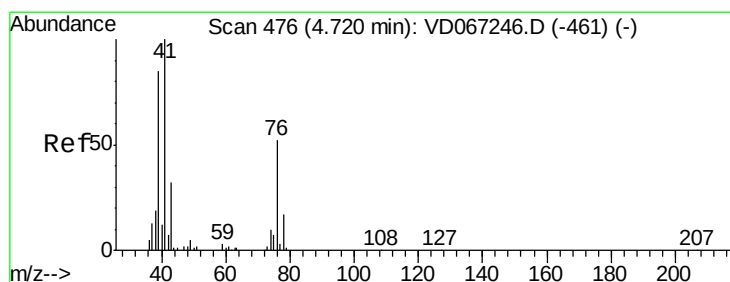
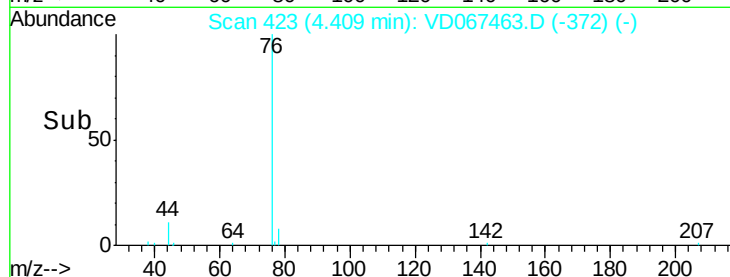
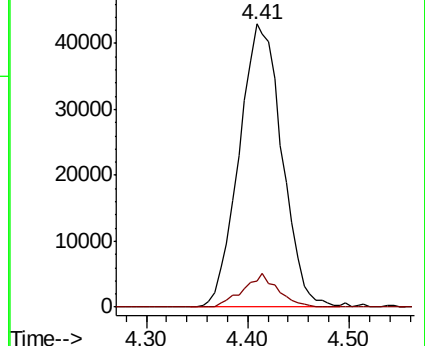
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.915 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067463.D

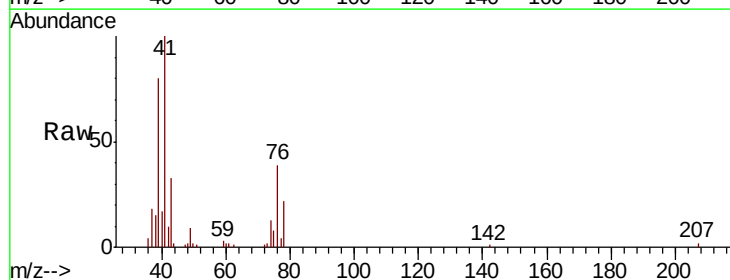
Acq: 30 Oct 2020 10:44

Tgt Ion: 43 Resp: 19283

Ion Ratio Lower Upper

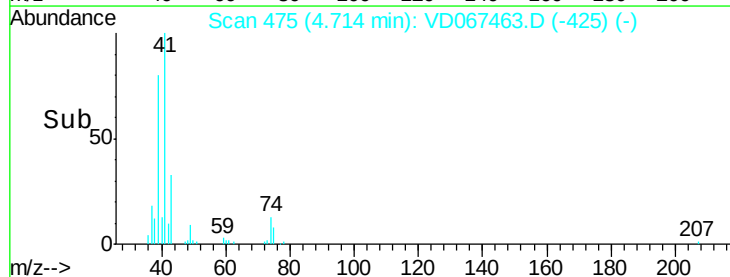
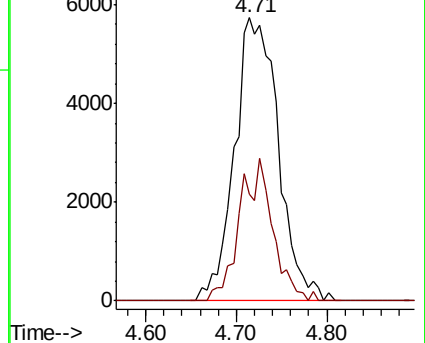
43 100

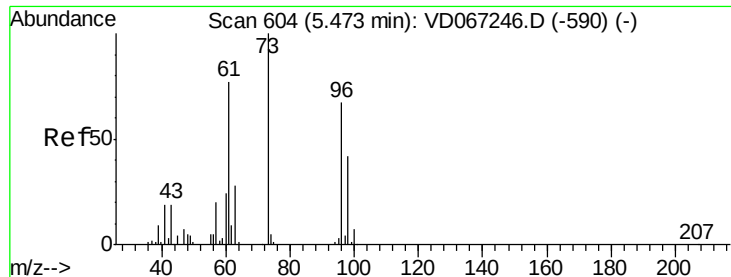
74 37.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

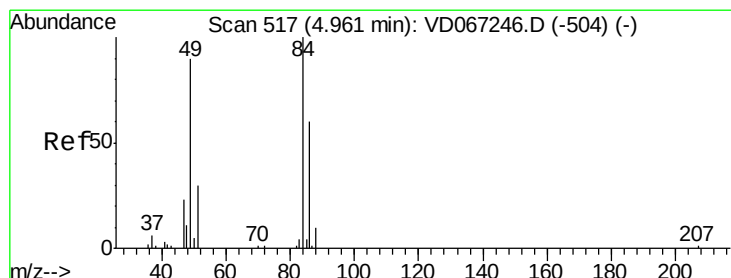
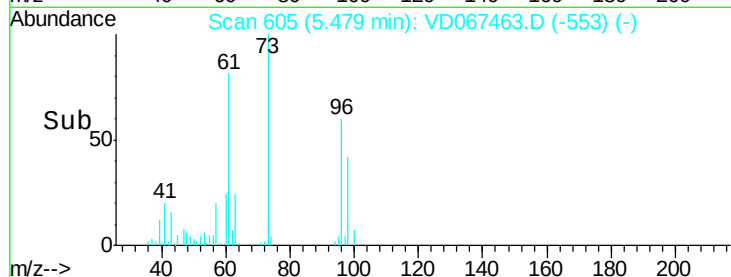
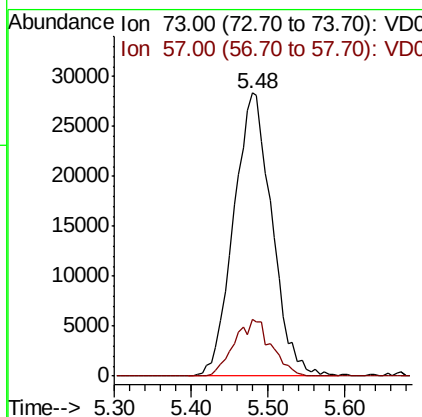
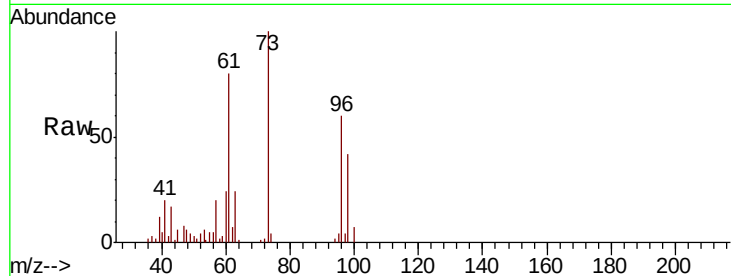




#19
Methyl tert-butyl Ether
Concen: 19.819 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

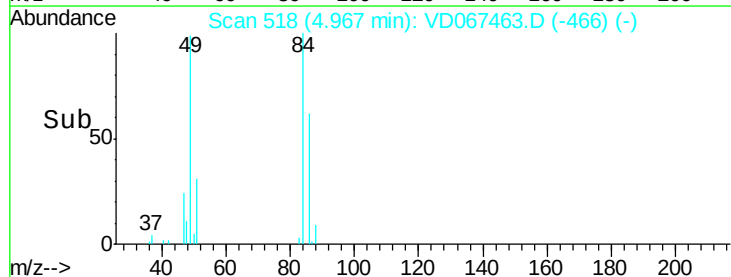
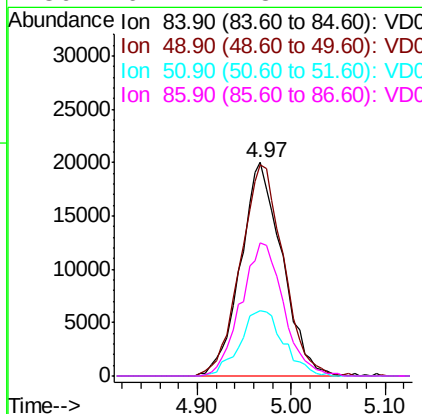
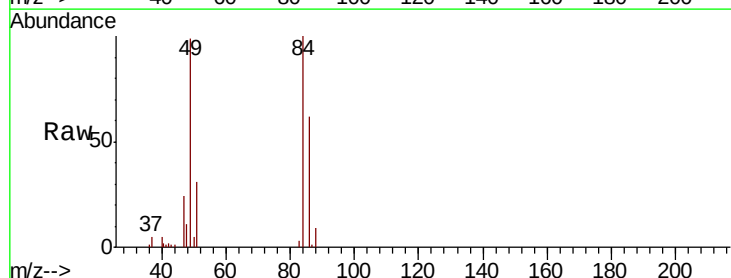
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

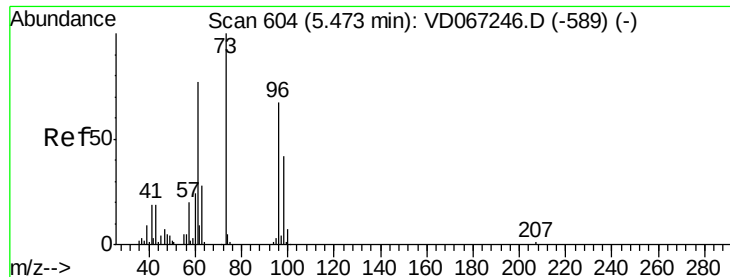
Tot Ion: 73 Resp: 98409
Ion Ratio Lower Upper
73 100
57 20.1 15.7 23.5



#20
Methylene Chloride
Concen: 19.784 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 84 Resp: 61175
Ion Ratio Lower Upper
84 100
49 99.1 72.2 108.2
51 30.6 23.8 35.8
86 62.4 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.131 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

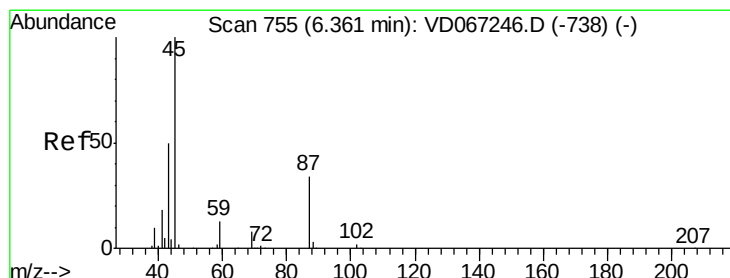
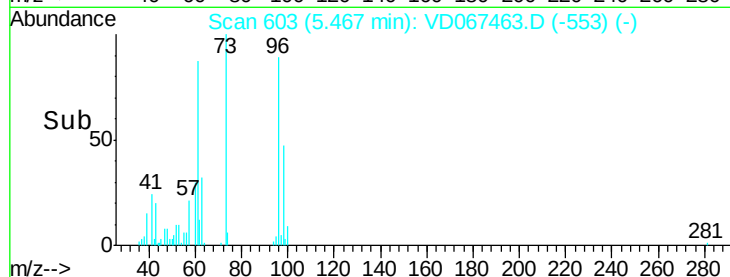
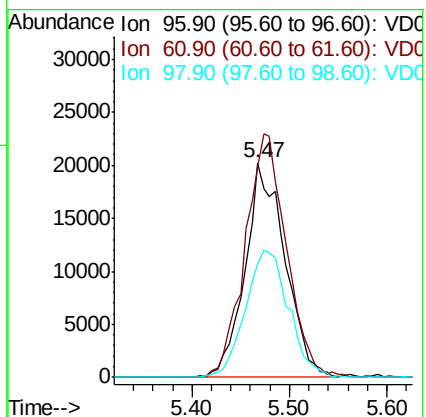
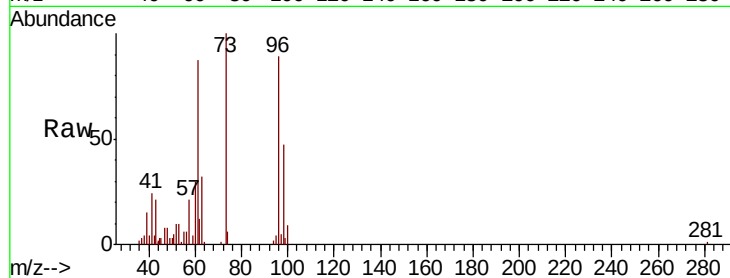
Tot Ion: 96 Resp: 57848

Ion Ratio Lower Upper

96 100

61 98.1 92.0 138.0

98 52.9 49.8 74.8



#22

Diisopropyl ether

Concen: 20.470 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Tgt Ion: 45 Resp: 106934

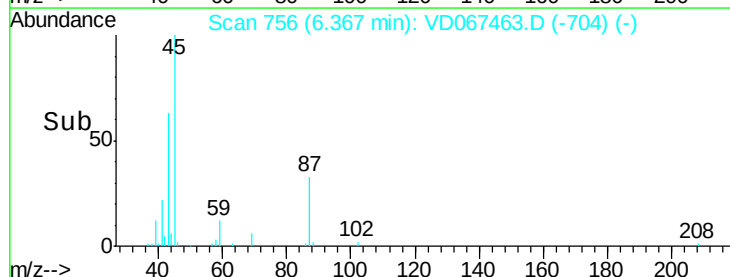
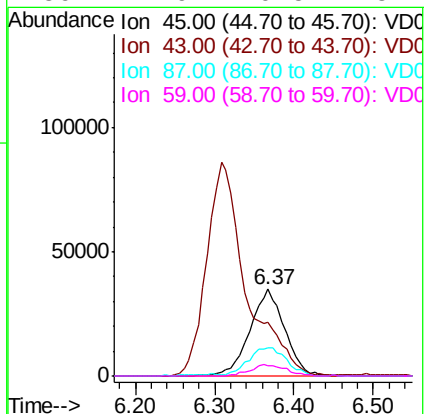
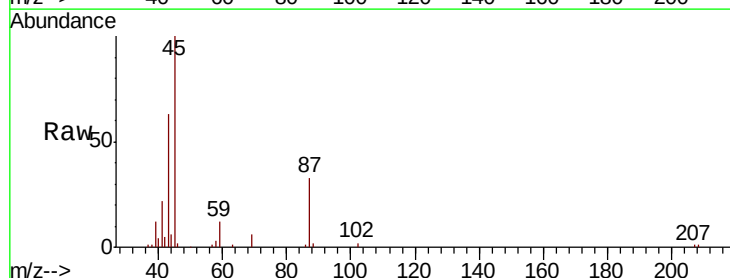
Ion Ratio Lower Upper

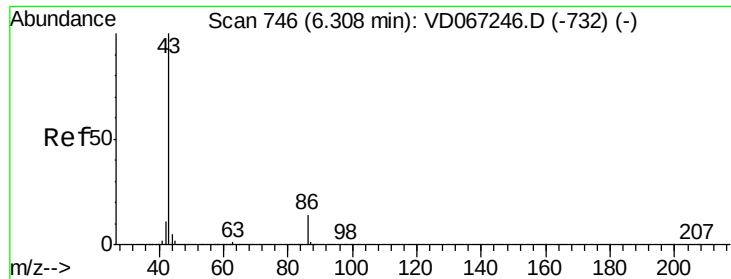
45 100

43 61.8 48.0 72.0

87 32.6 28.5 42.7

59 11.9 10.5 15.7





#23

Vinyl Acetate

Concen: 100.642 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

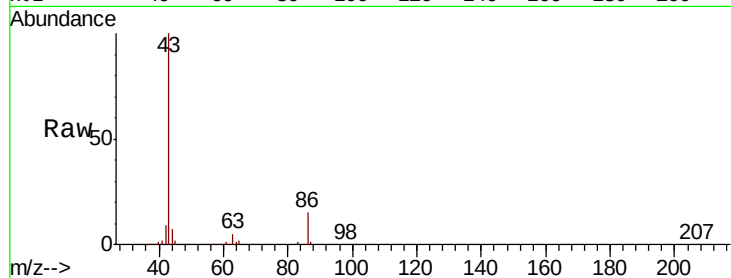
VD1030SBS01

Tot Ion: 43 Resp: 299109

Ion Ratio Lower Upper

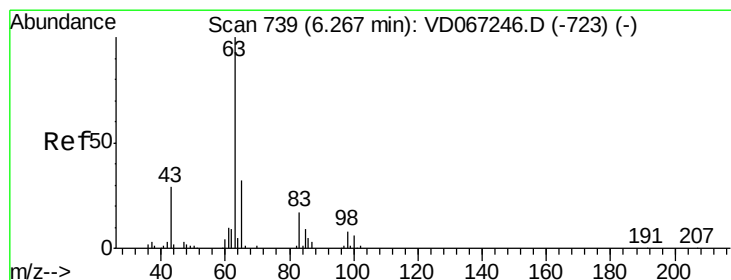
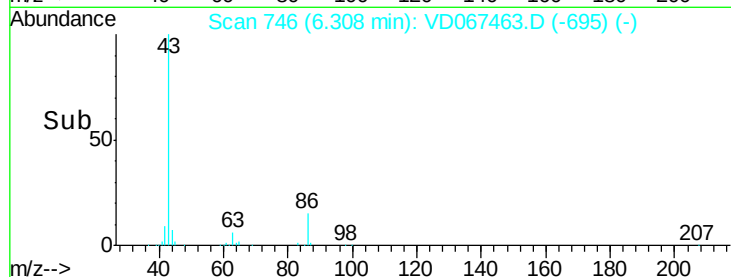
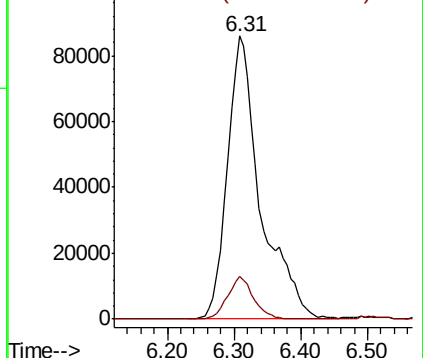
43 100

86 15.2 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.192 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

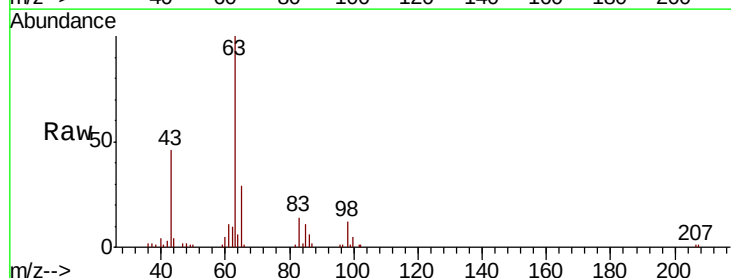
Tgt Ion: 63 Resp: 90293

Ion Ratio Lower Upper

63 100

98 11.5 4.0 12.2

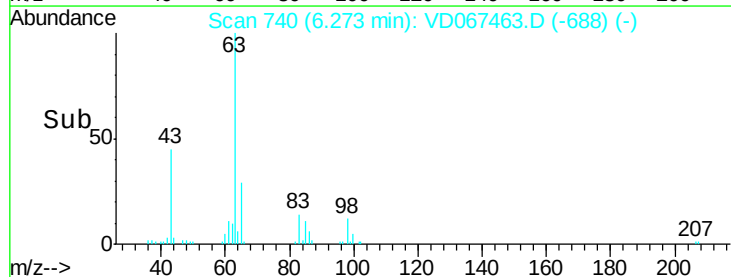
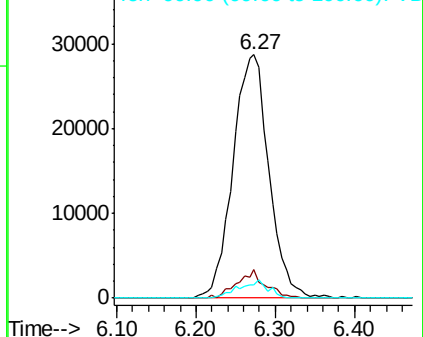
100 5.5 2.8 8.4

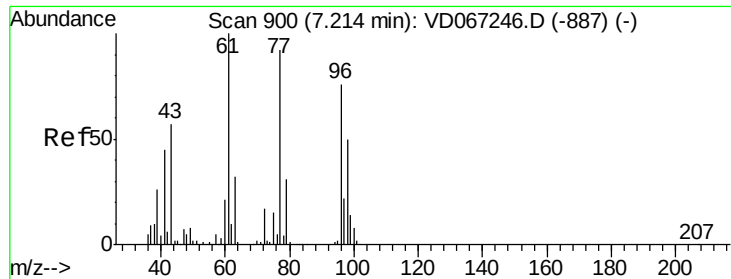


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 99.856 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

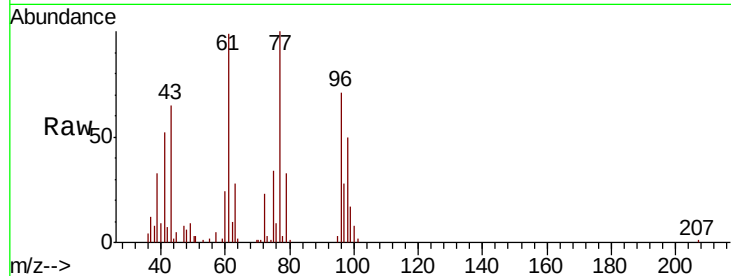
VD1030SBS01

Tot Ion: 43 Resp: 48322

Ion Ratio Lower Upper

43 100

72 35.2 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

20000

15000

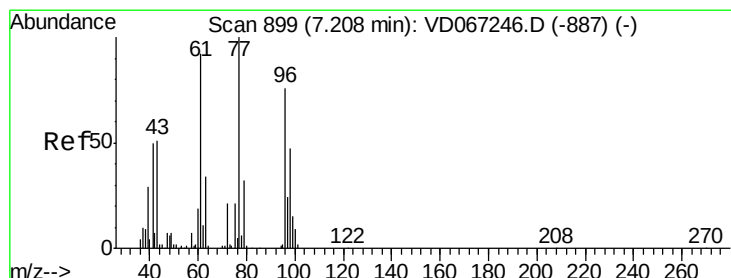
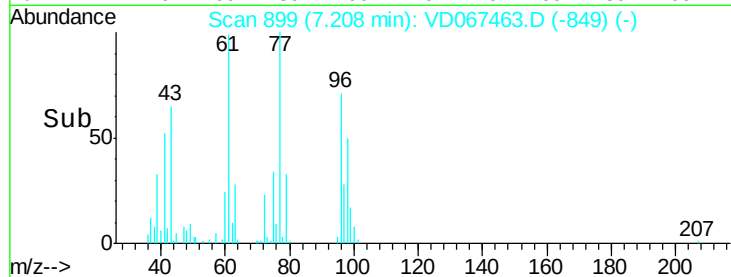
10000

5000

0

Time-->

7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 20.617 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067463.D

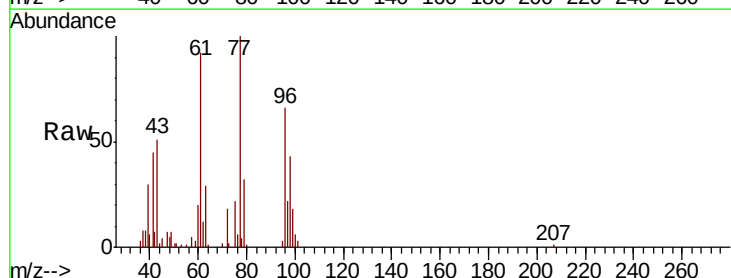
Acq: 30 Oct 2020 10:44

Tgt Ion: 77 Resp: 95027

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

40000

30000

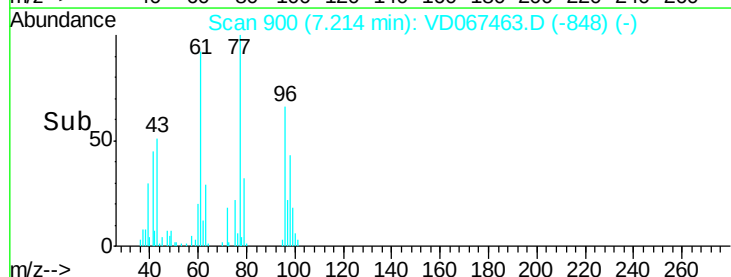
20000

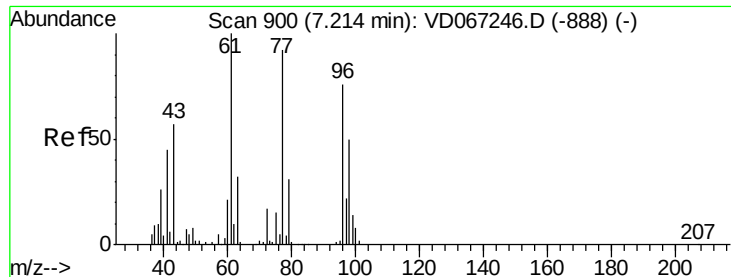
10000

0

Time-->

7.10 7.20 7.30



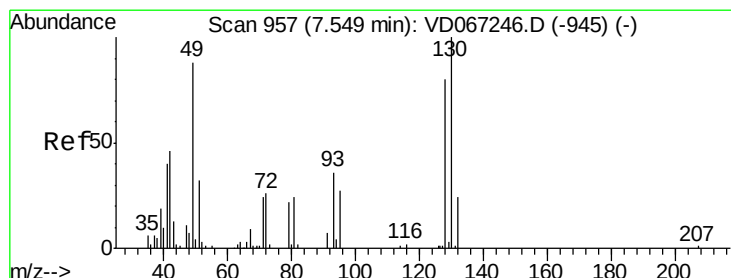
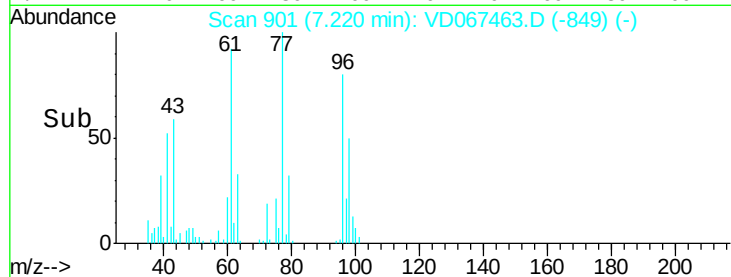
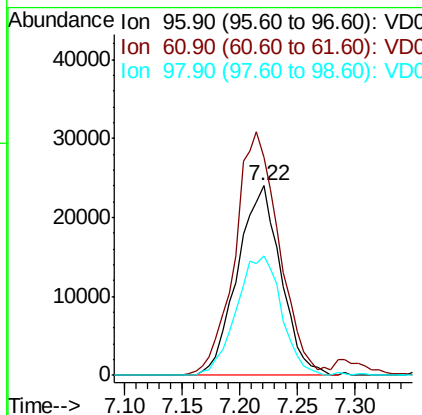
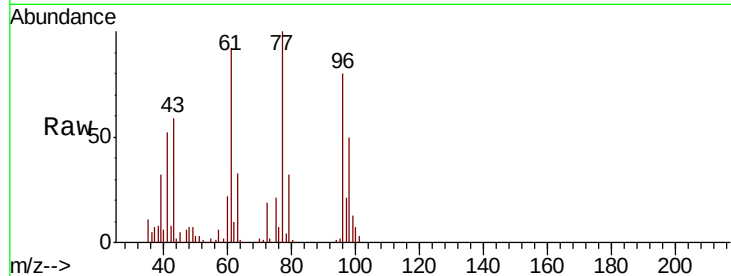


#27

cis-1,2-Dichloroethene
Concen: 19.927 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

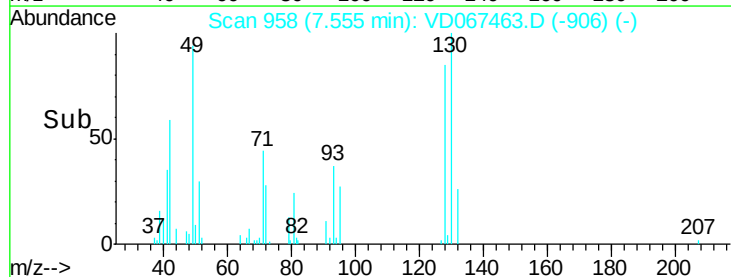
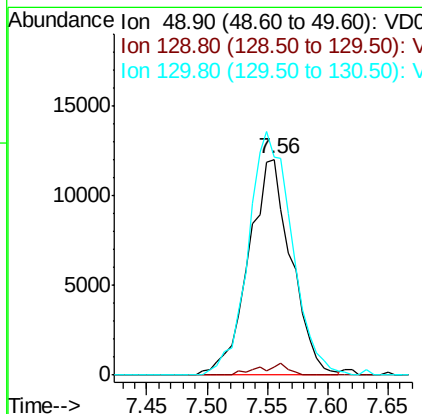
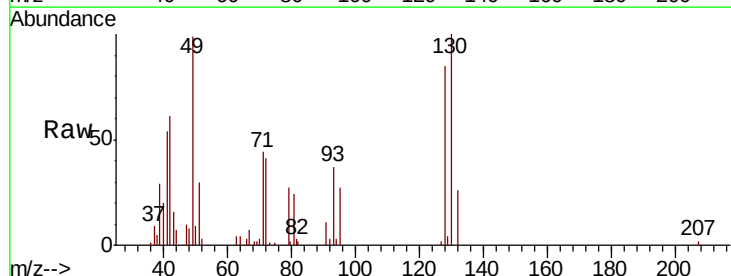
Tot Ion: 96 Resp: 62759
Ion Ratio Lower Upper
96 100
61 131.1 0.0 255.4
98 65.3 0.0 128.0

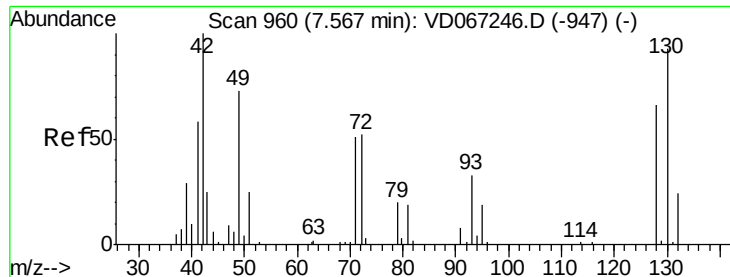


#28

Bromochloromethane
Concen: 19.384 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 49 Resp: 29566
Ion Ratio Lower Upper
49 100
129 3.6 0.0 1.6#
130 115.1 91.0 136.6





#29

Tetrahydrofuran

Concen: 100.383 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

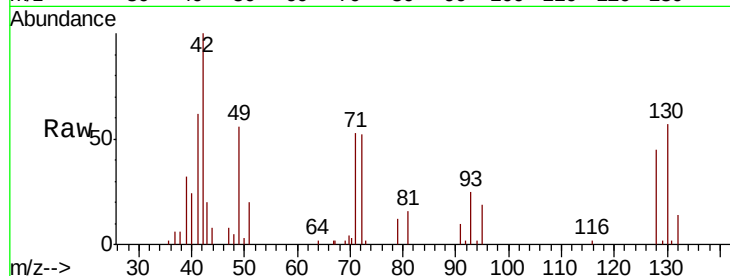
Tot Ion: 42 Resp: 27003

Ion Ratio Lower Upper

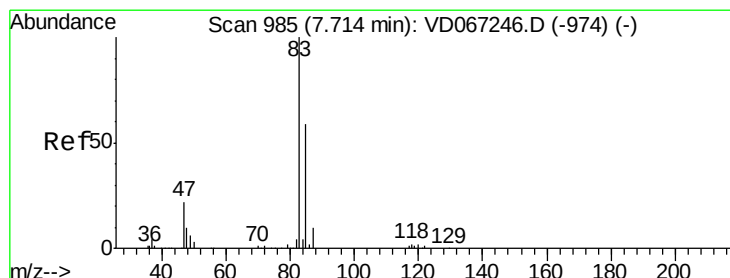
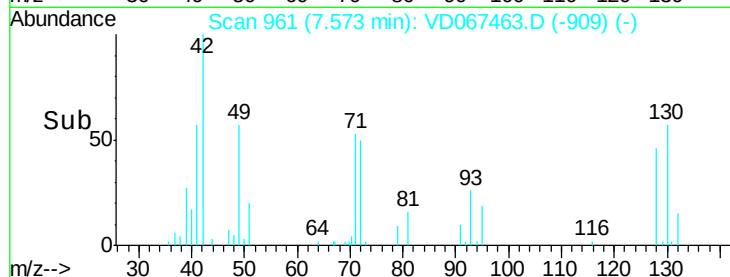
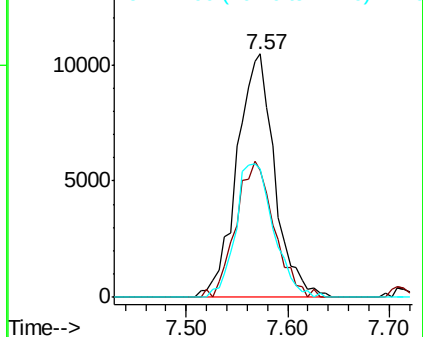
42 100

72 56.6 43.2 64.8

71 55.3 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: 21.082 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067463.D

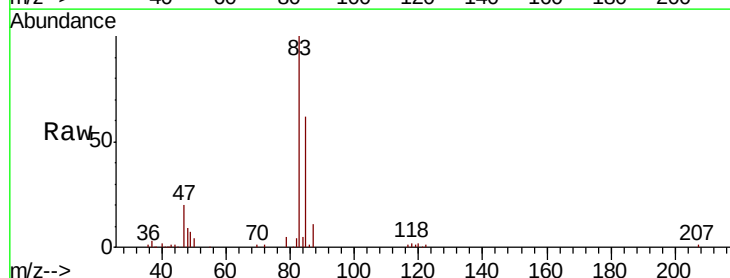
Acq: 30 Oct 2020 10:44

Tgt Ion: 83 Resp: 112621

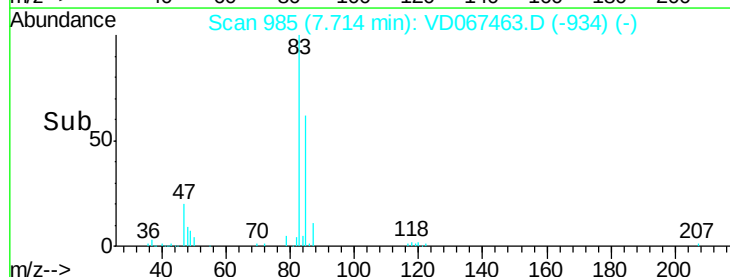
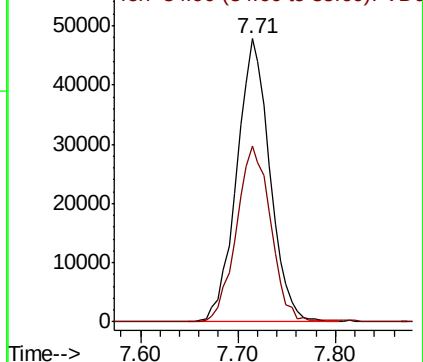
Ion Ratio Lower Upper

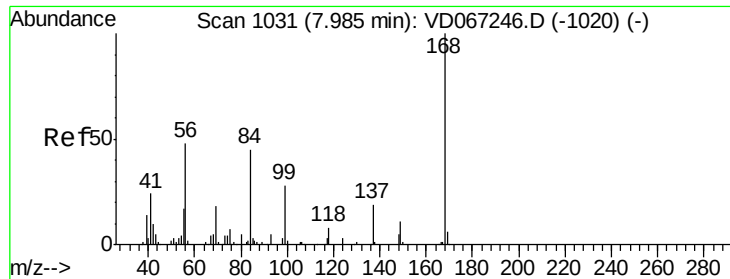
83 100

85 62.3 47.3 70.9



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

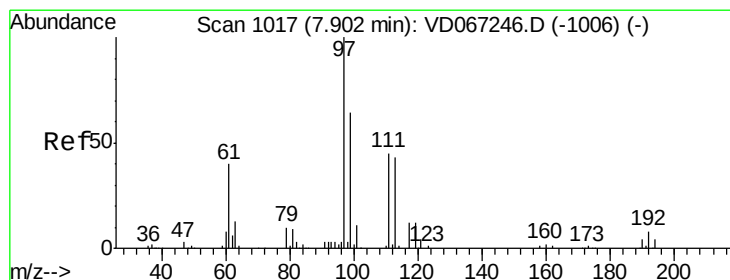
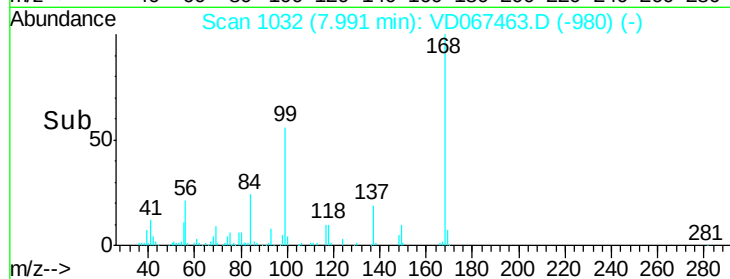
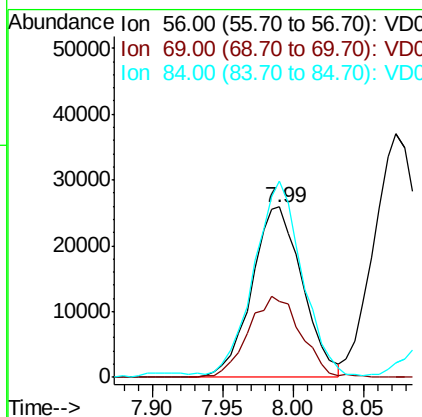
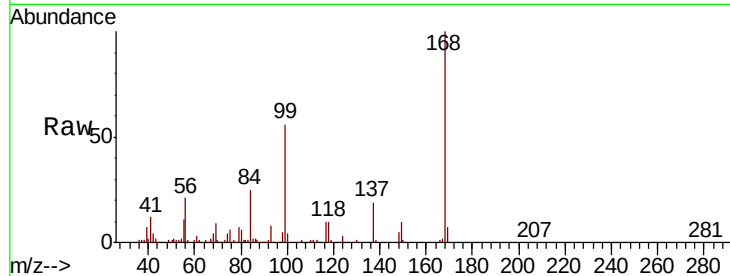




#31
Cyclohexane
Concen: 18.664 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

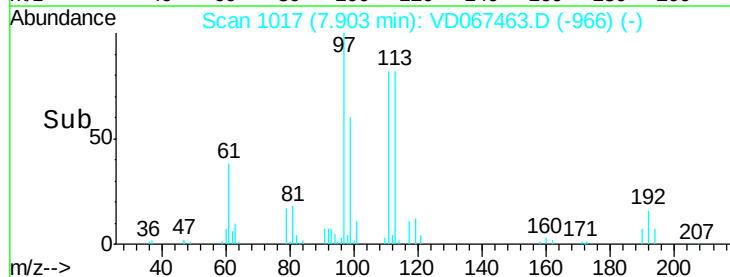
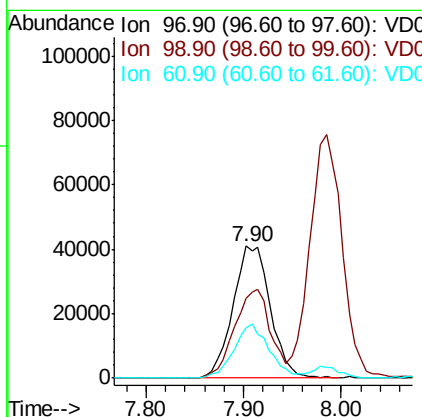
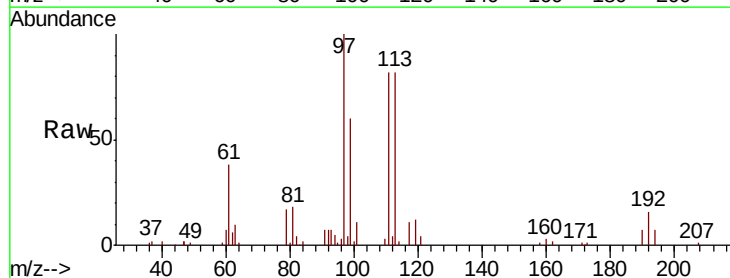
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

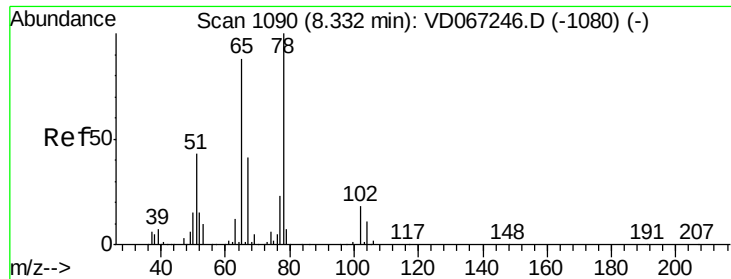
Tot Ion: 56 Resp: 65161
Ion Ratio Lower Upper
56 100
69 44.3 29.8 44.6
84 113.2 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 20.927 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 97 Resp: 109685
Ion Ratio Lower Upper
97 100
99 64.6 50.2 75.4
61 38.7 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 50.147 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

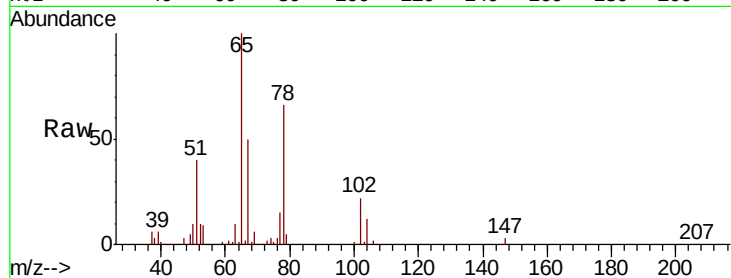
VD1030SBS01

Tot Ion: 65 Resp: 152007

Ion Ratio Lower Upper

65 100

67 49.4 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

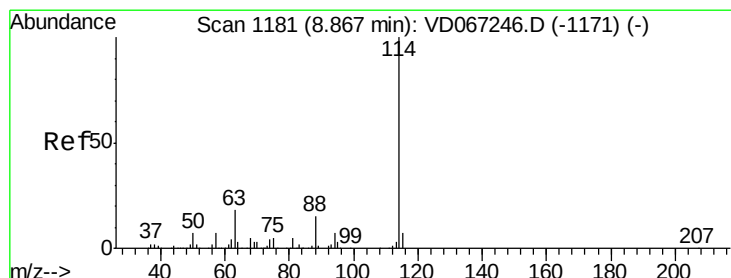
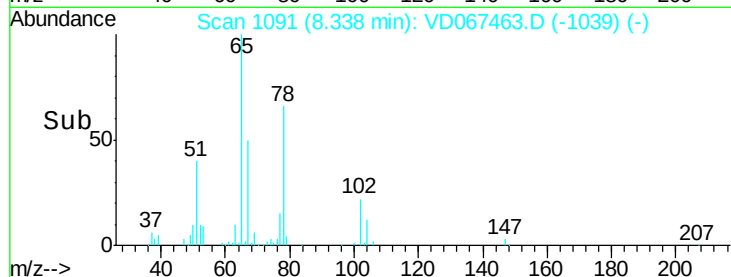
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

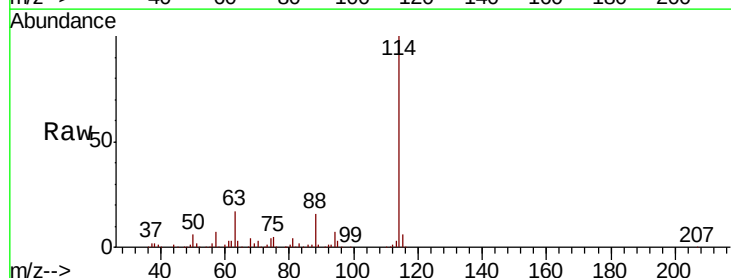
Tgt Ion: 114 Resp: 453498

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

88 16.2 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

250000

200000

150000

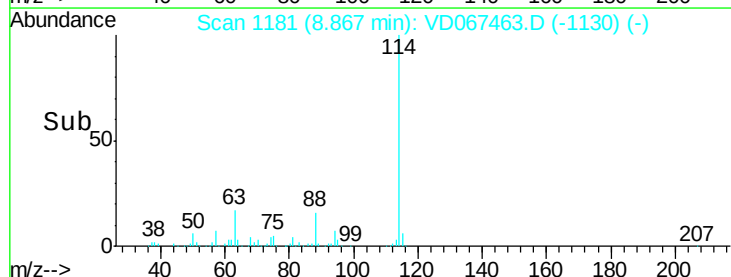
100000

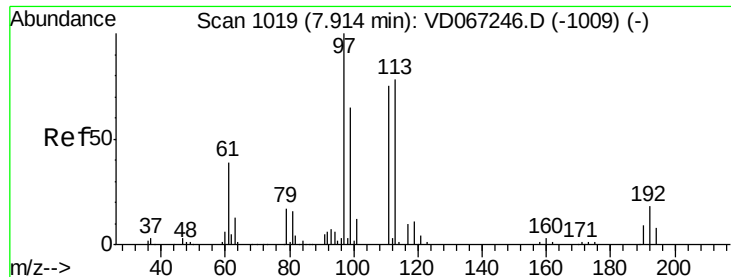
50000

0

8.80 8.90 9.00

Time-->

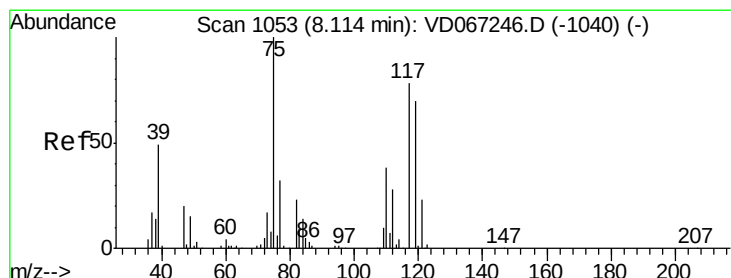
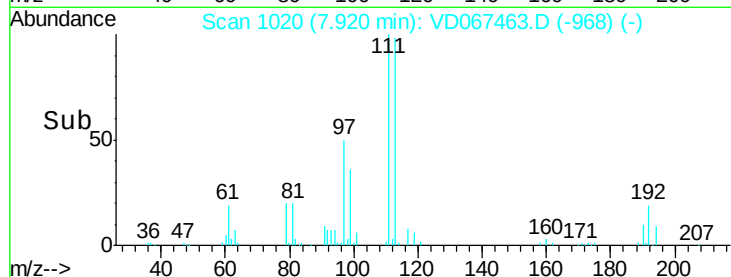
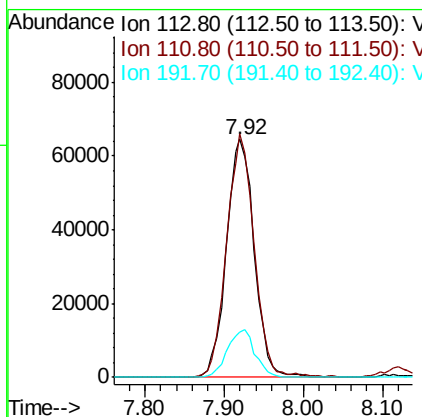
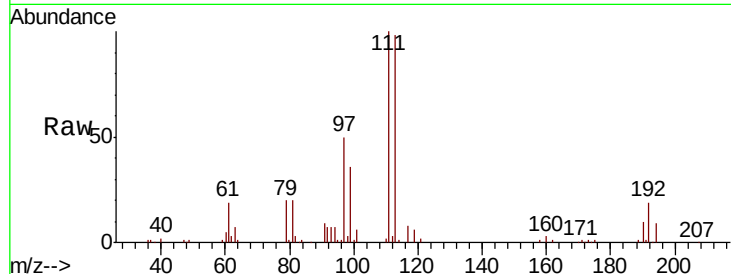




#35
 Dibromofluoromethane
 Concen: 51.757 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

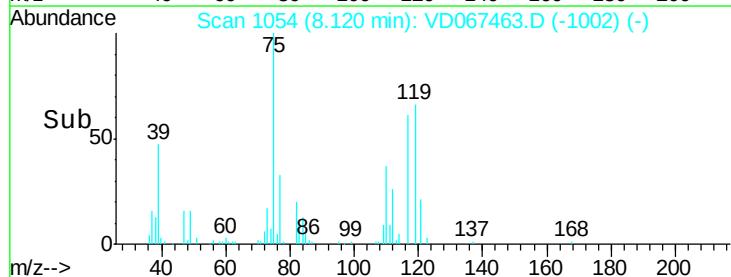
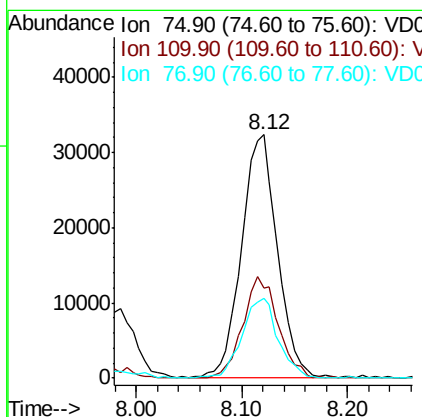
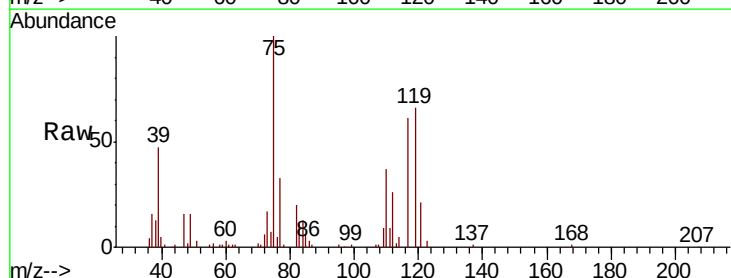
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

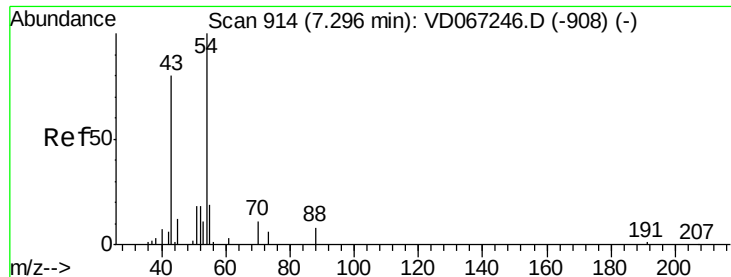
Tot Ion:113 Resp: 156205
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.6 122.4
 192 19.8 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 19.898 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion: 75 Resp: 76481
 Ion Ratio Lower Upper
 75 100
 110 40.8 19.6 58.7
 77 32.9 24.6 37.0

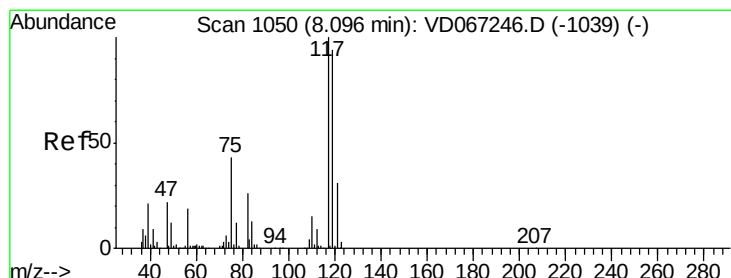
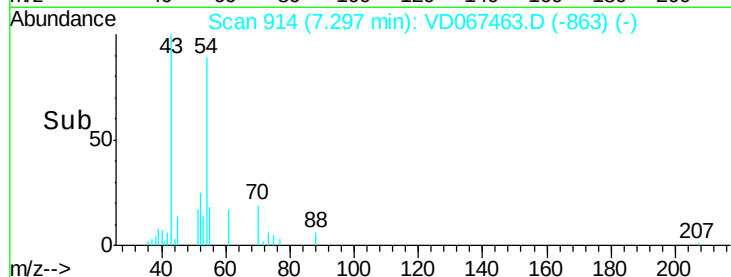
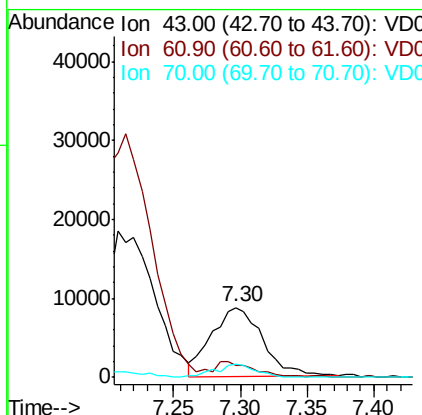
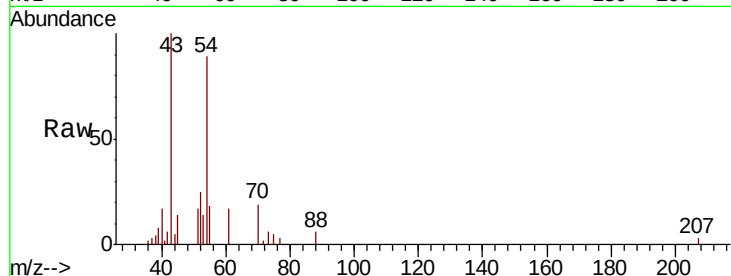




#37
Ethyl Acetate
Concen: 20.802 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

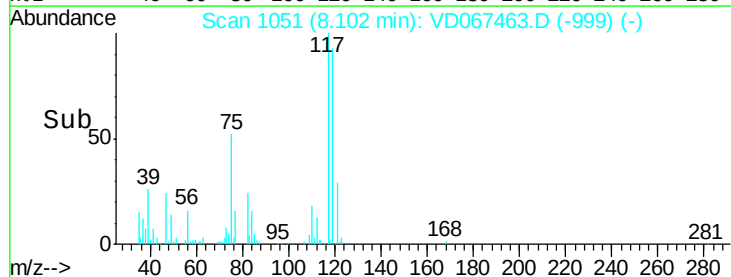
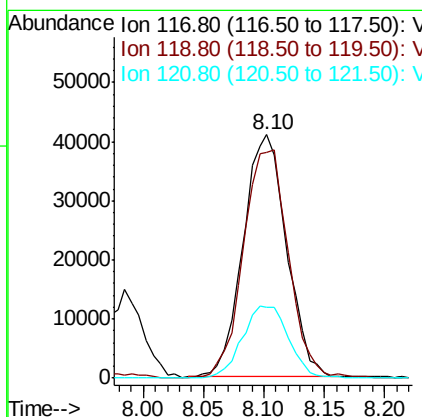
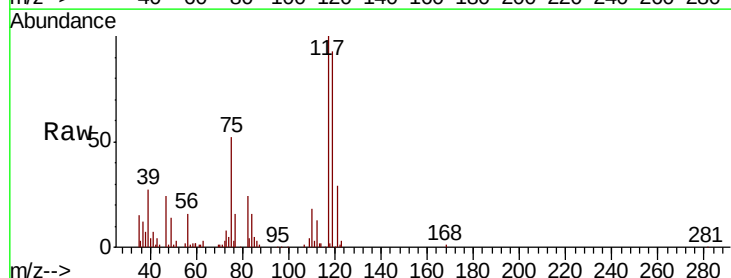
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

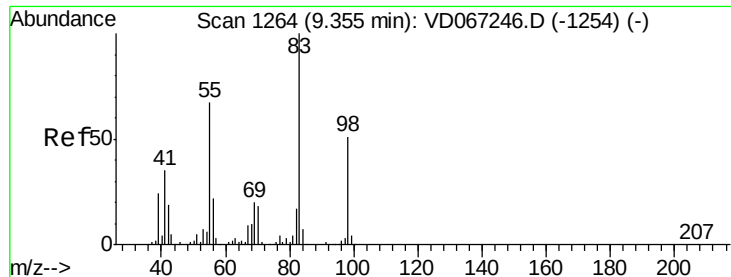
Tot Ion: 43 Resp: 23525
Ion Ratio Lower Upper
43 100
61 16.1 15.6 23.4
70 15.0 10.4 15.6



#38
Carbon Tetrachloride
Concen: 20.817 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 117 Resp: 102266
Ion Ratio Lower Upper
117 100
119 93.5 75.0 112.4
121 29.5 24.9 37.3

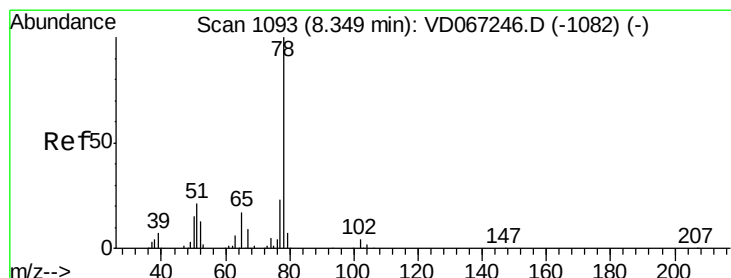
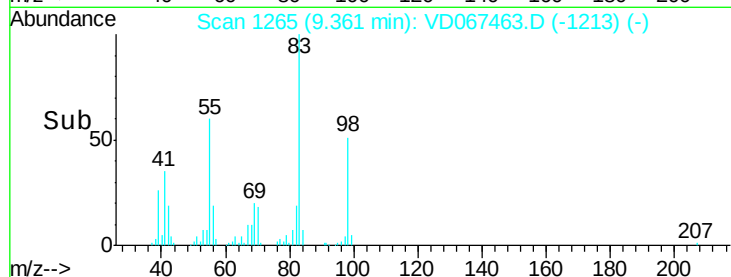
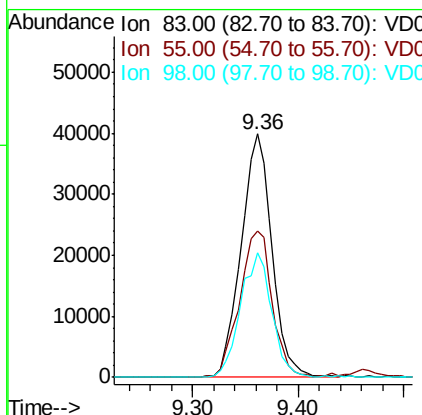
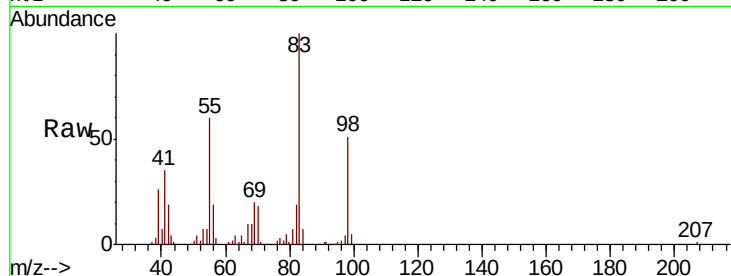




#39
Methylvlcyclohexane
Concen: 20.136 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

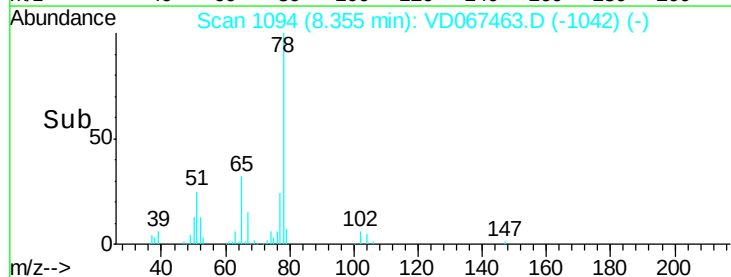
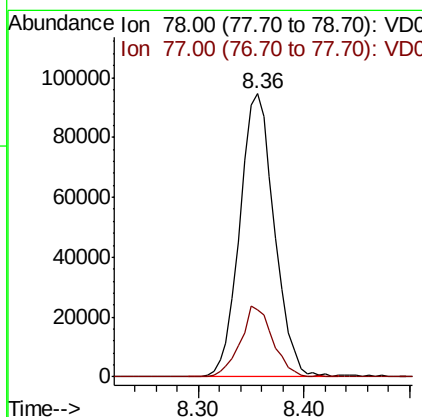
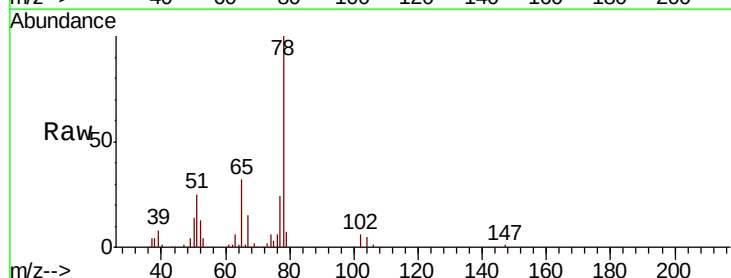
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

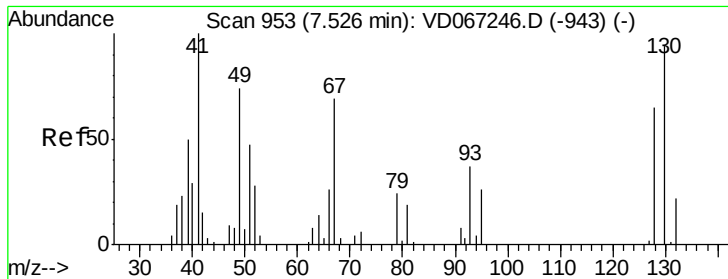
Tot Ion: 83 Resp: 80912
Ion Ratio Lower Upper
83 100
55 60.3 53.3 79.9
98 51.3 41.0 61.4



#40
Benzene
Concen: 20.409 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 78 Resp: 215209
Ion Ratio Lower Upper
78 100
77 23.9 18.3 27.5

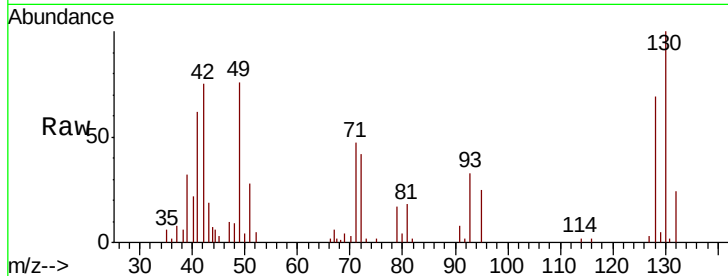




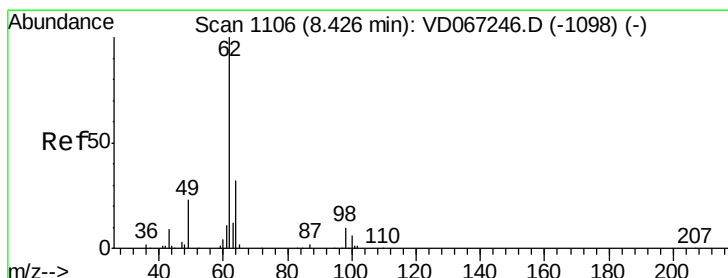
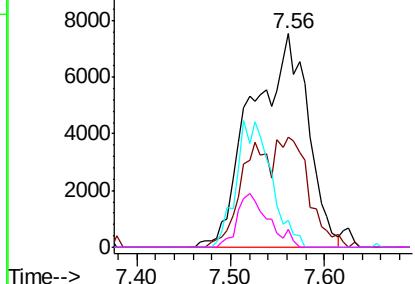
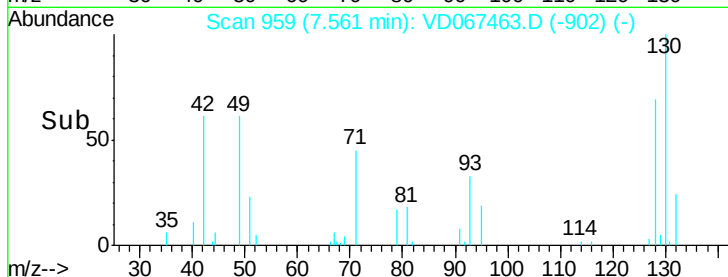
#41
Methacrylonitrile
Concen: 50.981 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 41 Resp: 31155
Ion Ratio Lower Upper
41 100
39 30.0 60.0 90.0#
67 0.0 88.9 133.3#
52 0.0 36.9 55.3#

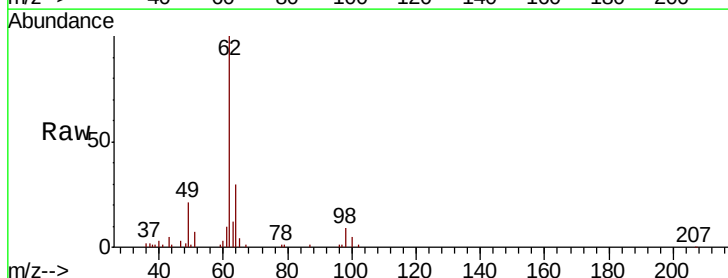


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

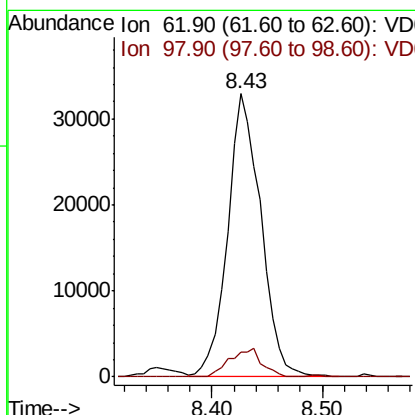
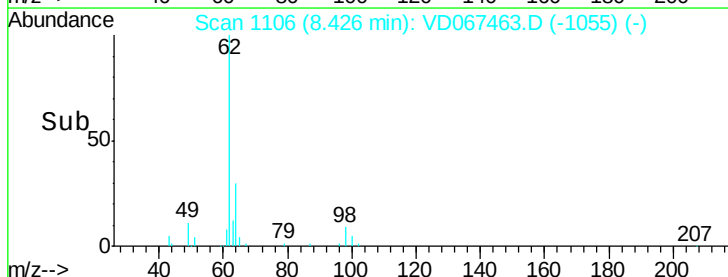


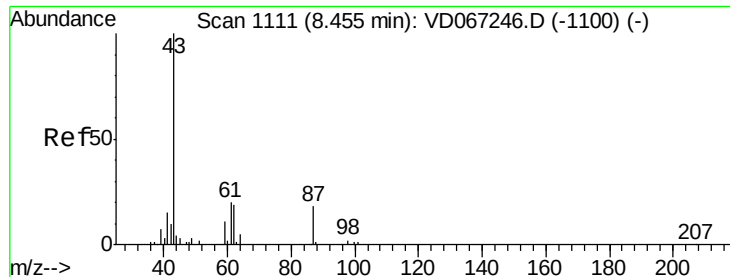
#42
1,2-Dichloroethane
Concen: 21.048 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 62 Resp: 69457
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.011 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

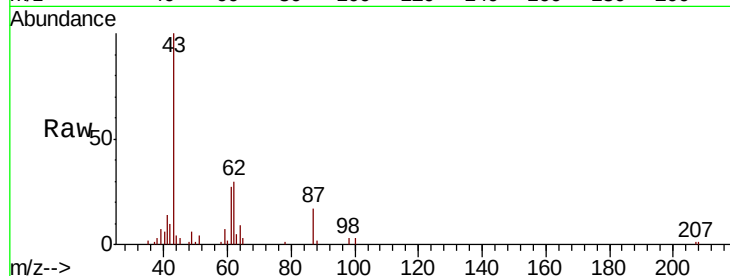
Tot Ion: 43 Resp: 44905

Ion Ratio Lower Upper

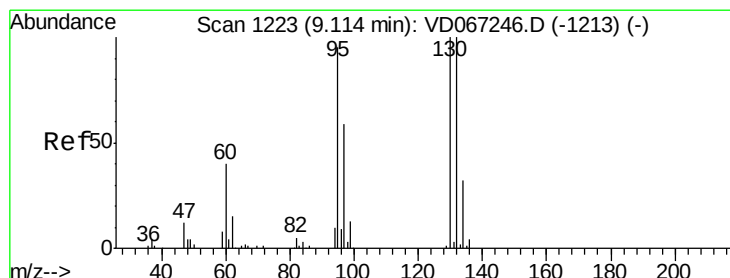
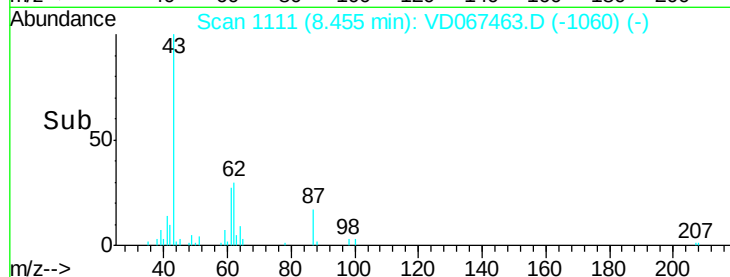
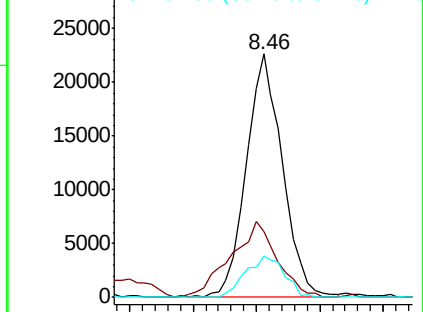
43 100

61 39.7 29.5 44.3

87 18.2 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: 20.742 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD067463.D

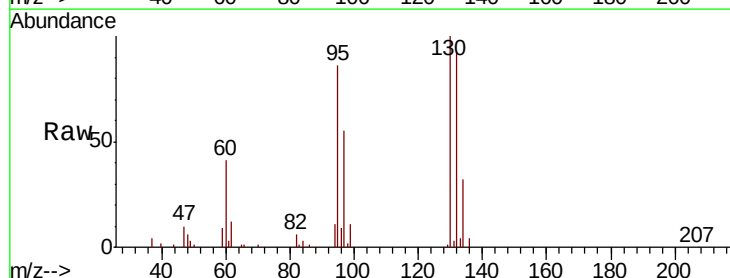
Acq: 30 Oct 2020 10:44

Tgt Ion:130 Resp: 70029

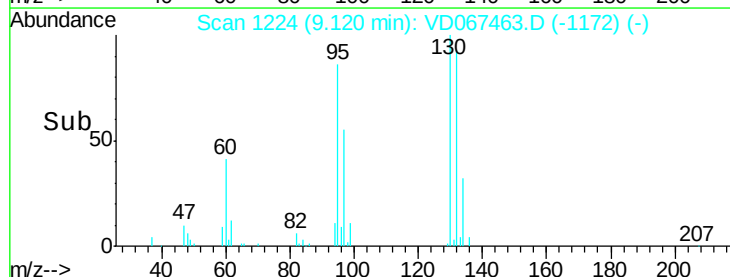
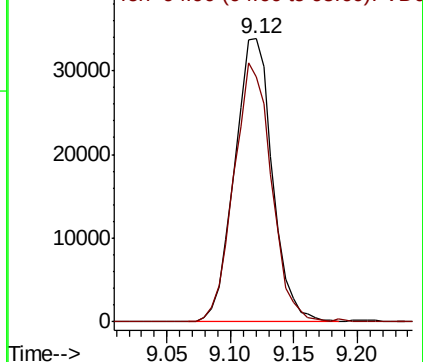
Ion Ratio Lower Upper

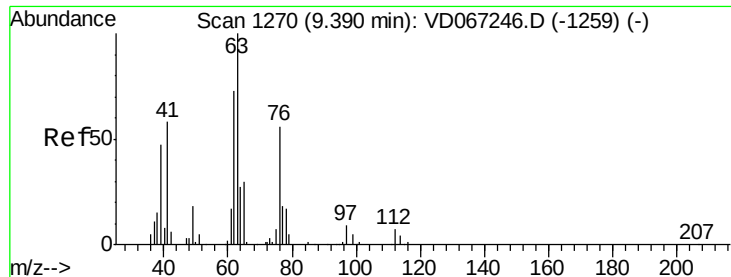
130 100

95 86.5 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.390 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

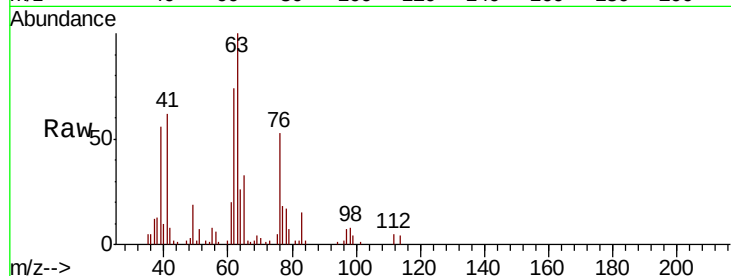
VD1030SBS01

Tot Ion: 63 Resp: 49829

Ion Ratio Lower Upper

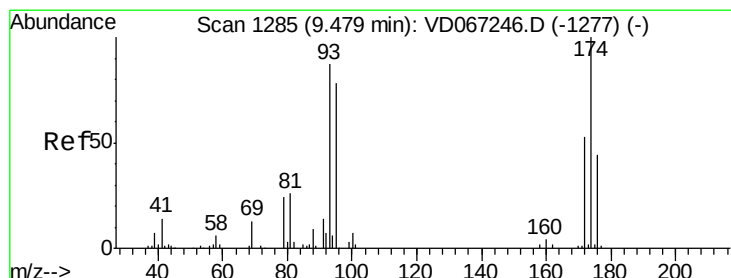
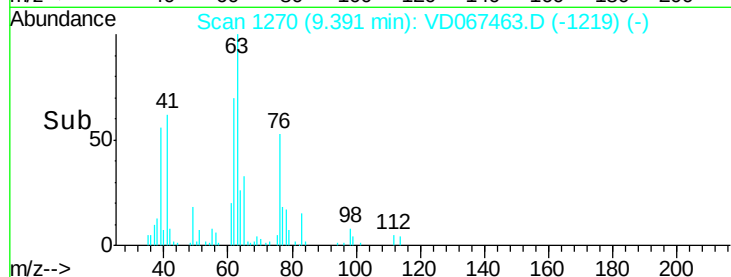
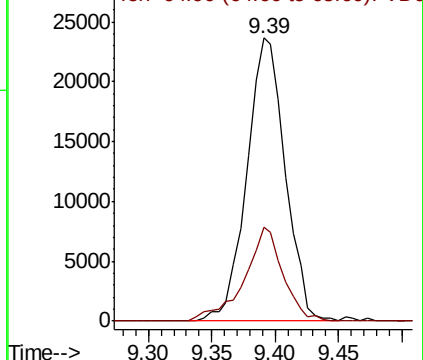
63 100

65 33.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.656 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

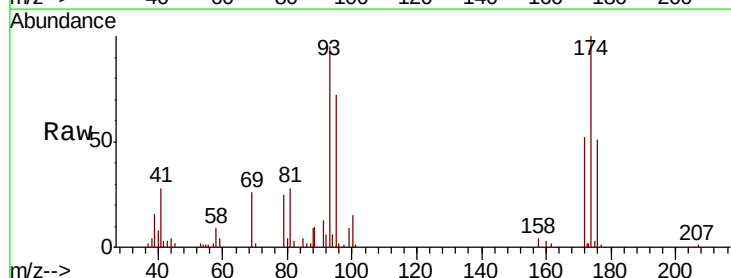
Tgt Ion: 93 Resp: 31452

Ion Ratio Lower Upper

93 100

95 79.1 68.0 102.0

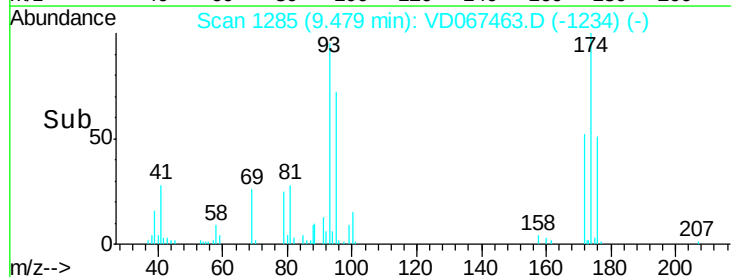
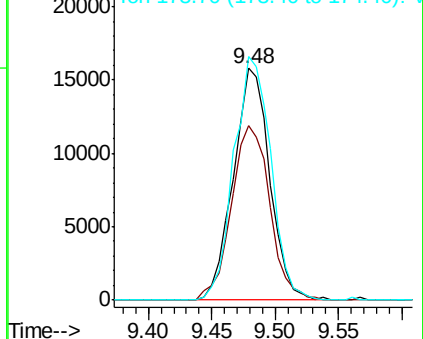
174 106.8 91.8 137.6

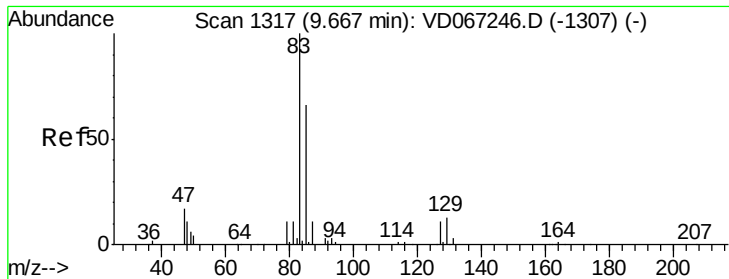


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

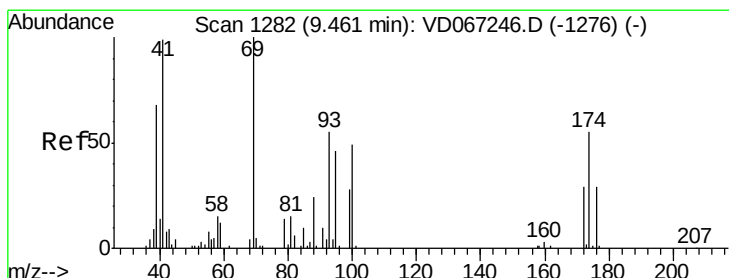
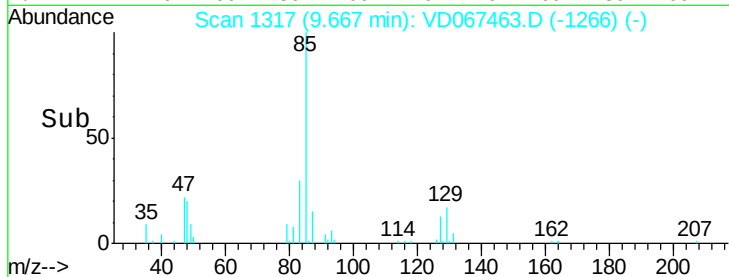
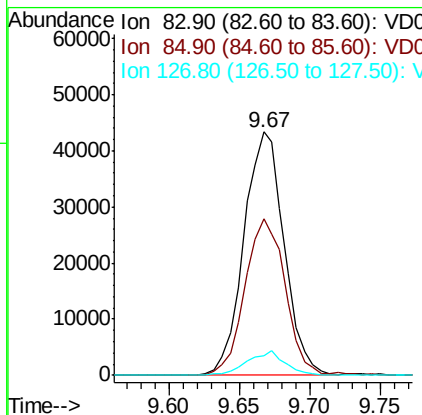
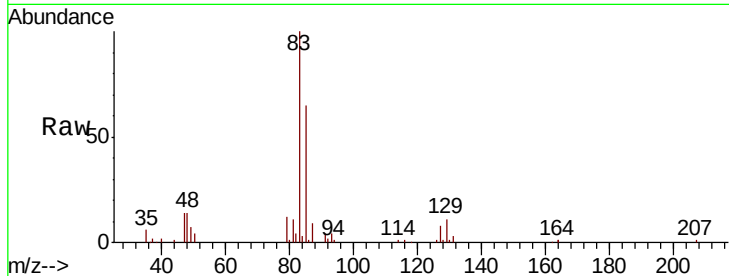




#47
 Bromodichloromethane
 Concen: 21.184 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

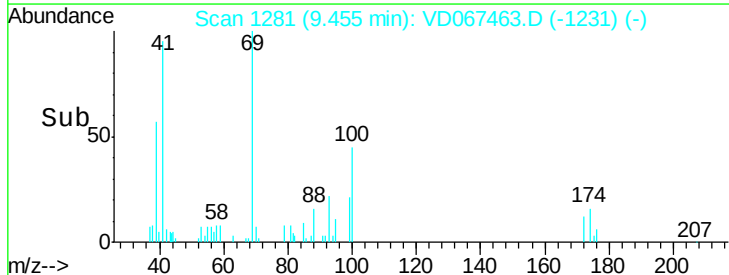
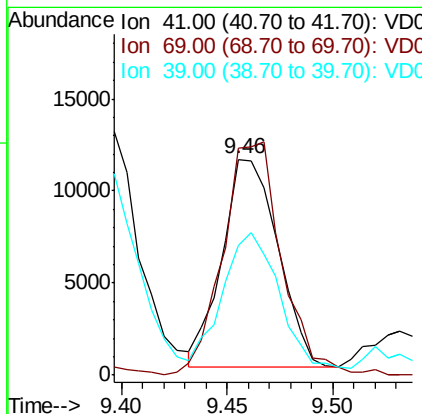
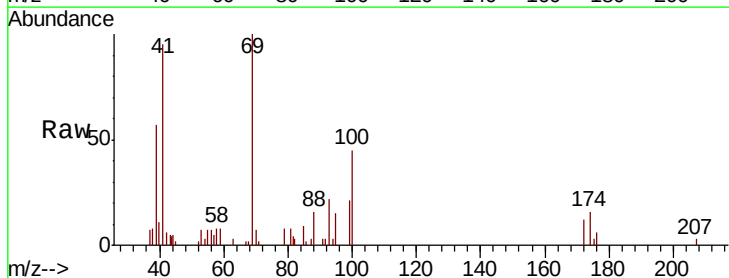
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

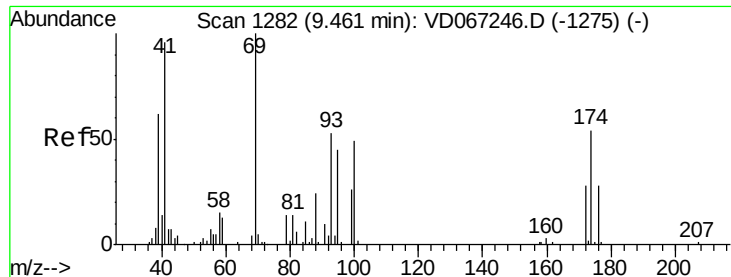
Tot Ion: 83 Resp: 86421
 Ion Ratio Lower Upper
 83 100
 85 64.6 53.1 79.7
 127 8.1 8.6 13.0#



#48
 Methyl methacrylate
 Concen: 18.929 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion: 41 Resp: 20642
 Ion Ratio Lower Upper
 41 100
 69 119.4 89.0 133.6
 39 73.4 60.2 90.2

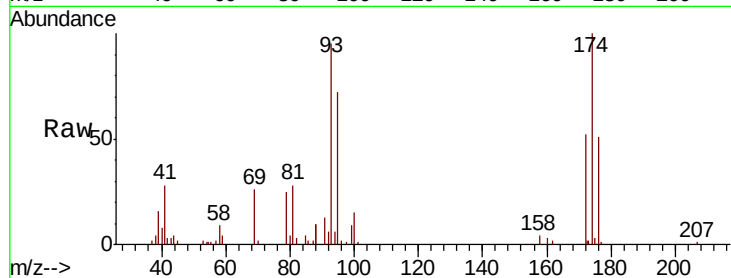




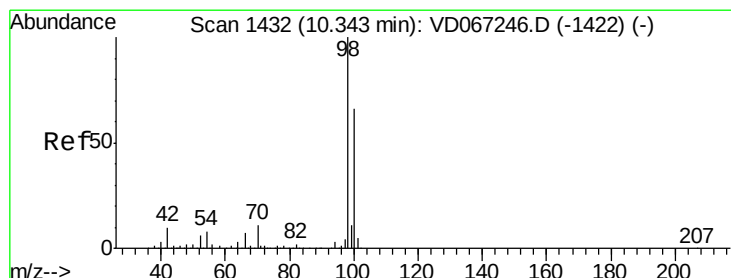
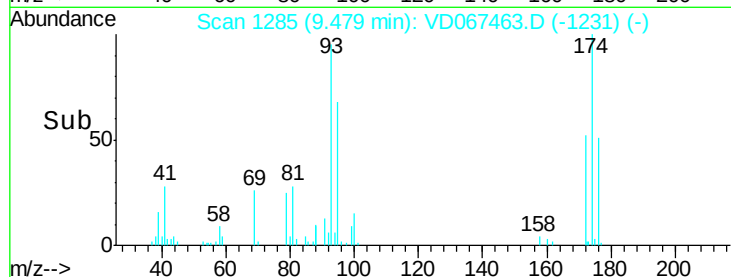
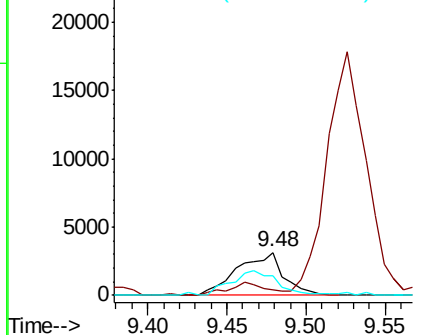
#49
1,4-Dioxane
Concen: 415.434 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.02 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 88 Resp: 6383
Ion Ratio Lower Upper
88 100
43 25.7 23.9 35.9
58 57.1 51.0 76.6

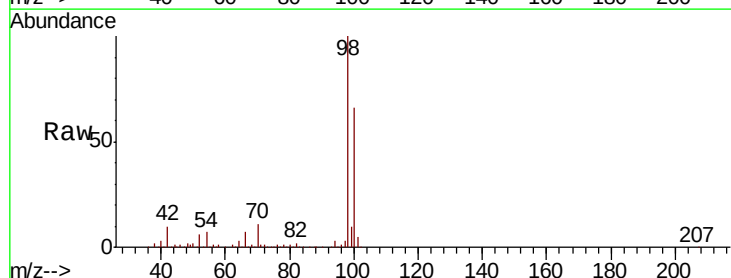


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

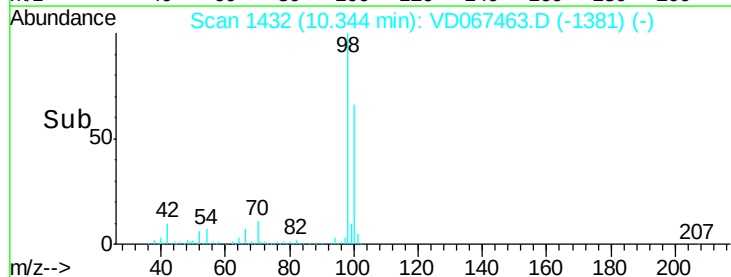
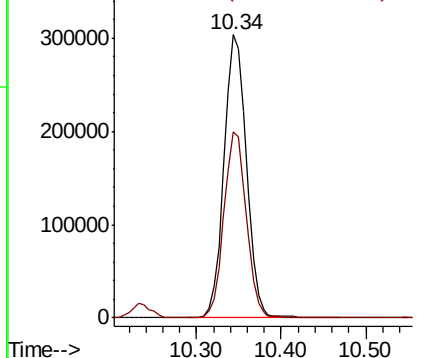


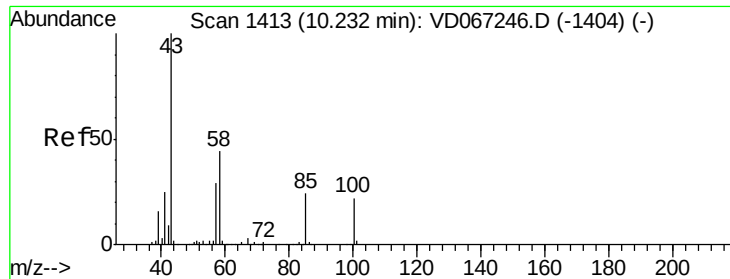
#50
Toluene-d8
Concen: 50.943 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 98 Resp: 556401
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

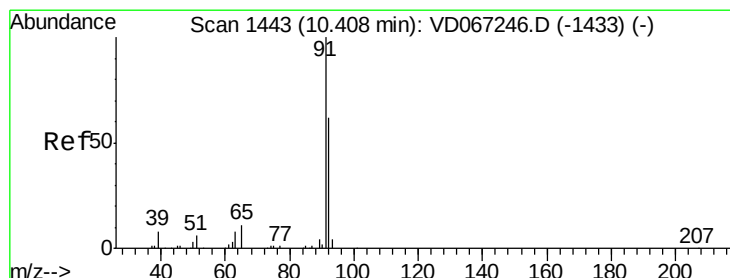
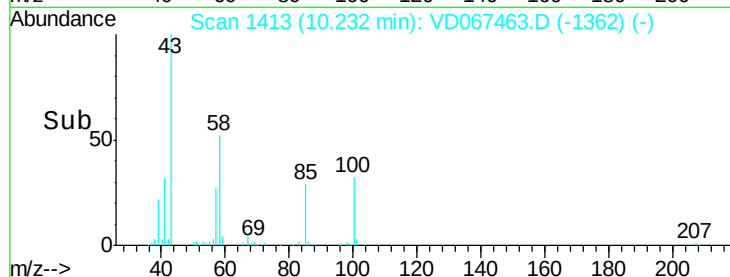
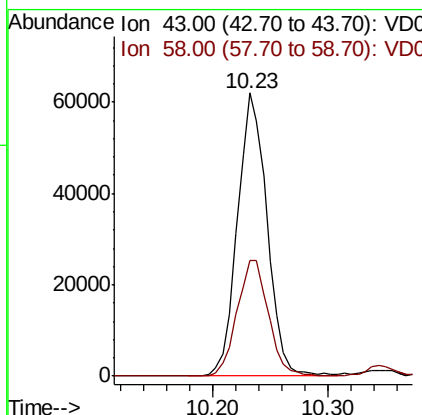
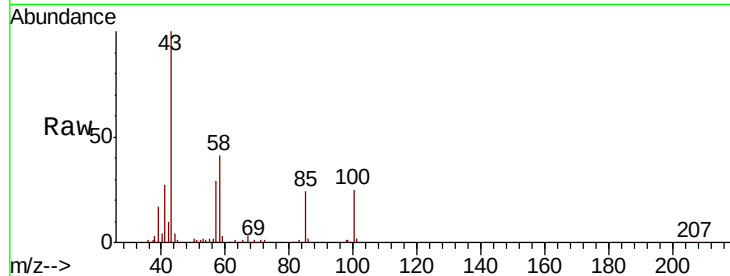




#51
 4-Methyl-2-Pentanone
 Concen: 98.490 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

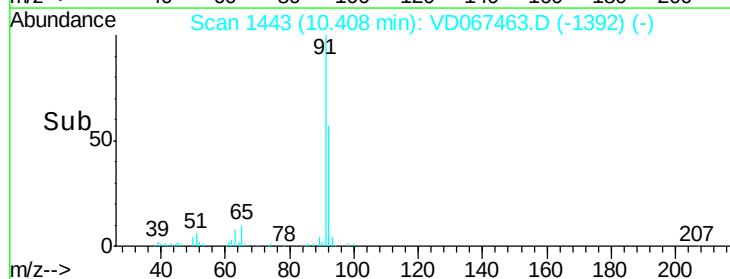
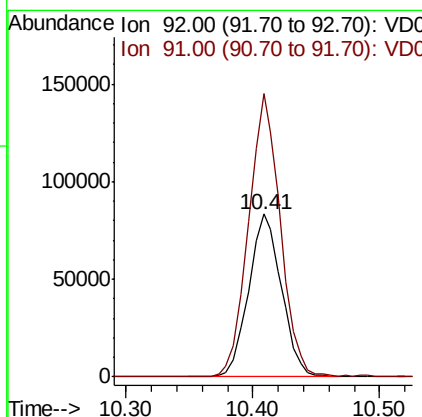
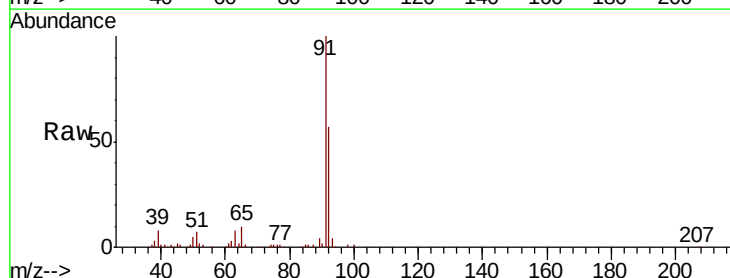
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

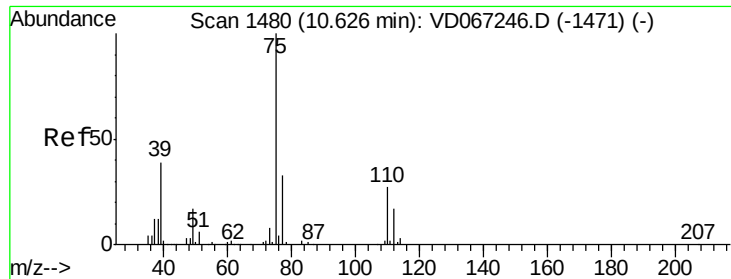
Tot Ion: 43 Resp: 110232
 Ion Ratio Lower Upper
 43 100
 58 43.4 35.7 53.5



#52
 Toluene
 Concen: 20.885 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion: 92 Resp: 149996
 Ion Ratio Lower Upper
 92 100
 91 168.8 133.8 200.8

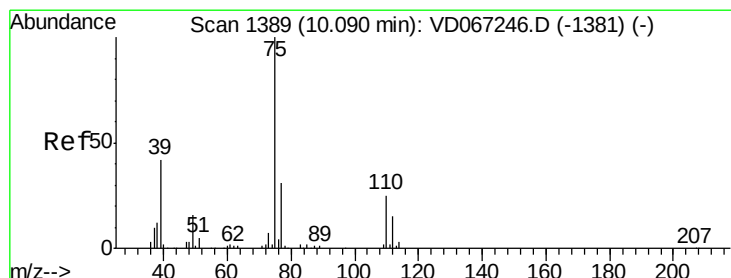
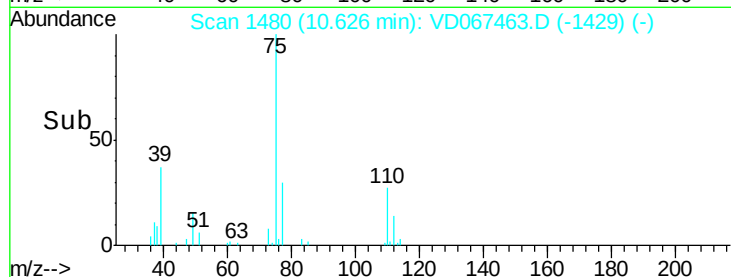
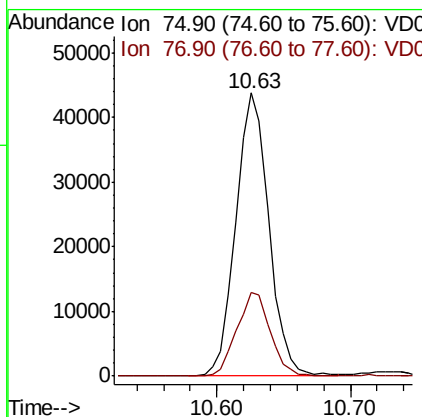
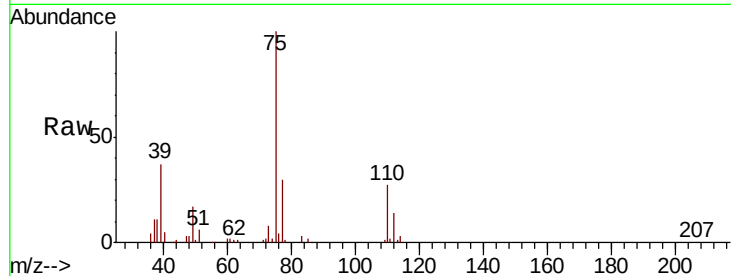




#53
t-1,3-Dichloropropene
Concen: 20.965 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

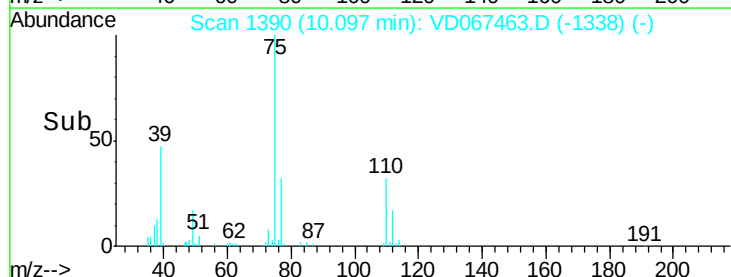
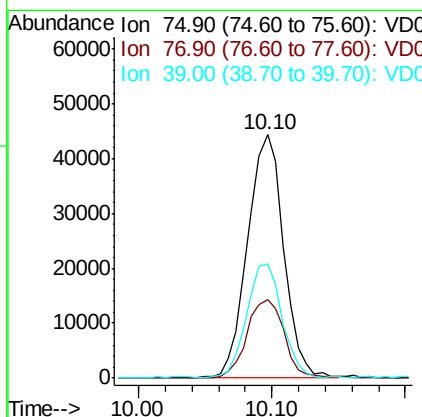
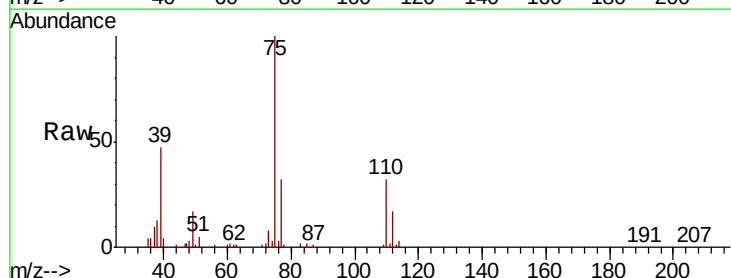
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

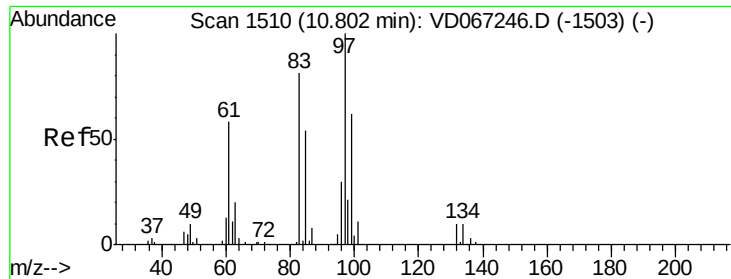
Tot Ion: 75 Resp: 75129
Ion Ratio Lower Upper
75 100
77 29.5 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 19.762 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 75 Resp: 82881
Ion Ratio Lower Upper
75 100
77 32.4 24.5 36.7
39 46.2 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 21.461 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 97 Resp: 44560

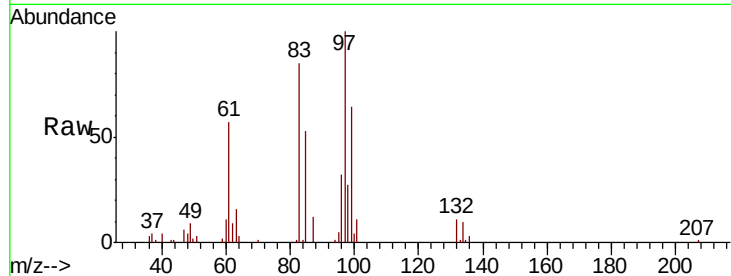
Ion	Ratio	Lower	Upper
97	100		
83	85.2	64.9	97.3
85	53.2	43.3	64.9
99	63.5	49.1	73.7

97 100

83 85.2 64.9 97.3

85 53.2 43.3 64.9

99 63.5 49.1 73.7

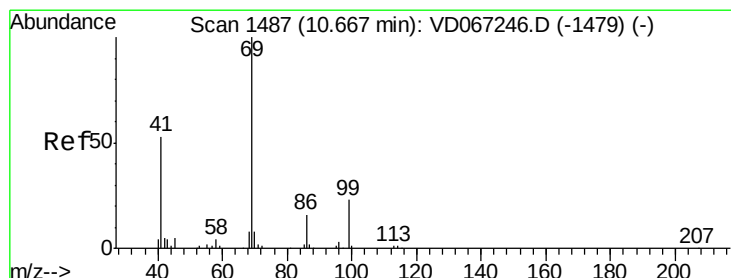
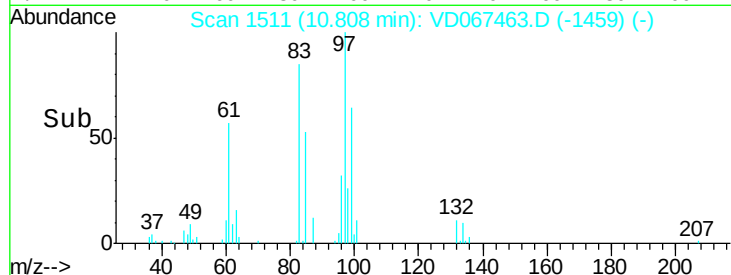
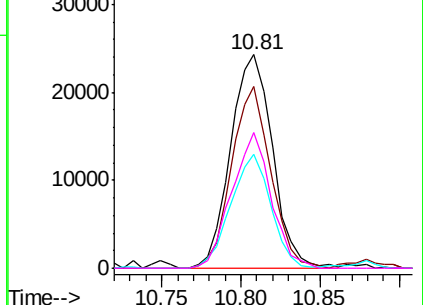


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.217 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

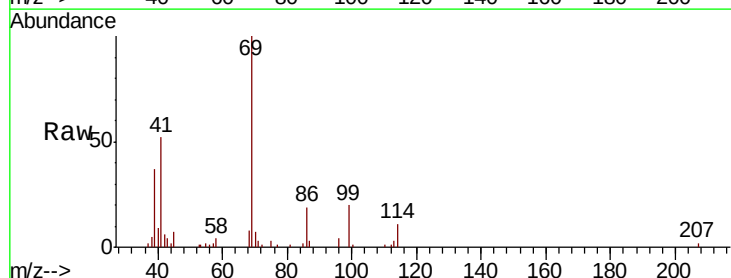
Tgt Ion: 69 Resp: 43535

Ion	Ratio	Lower	Upper
69	100		
41	52.6	44.7	67.1
39	33.2	26.2	39.2

69 100

41 52.6 44.7 67.1

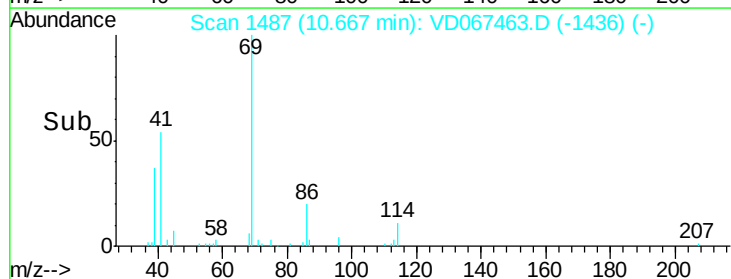
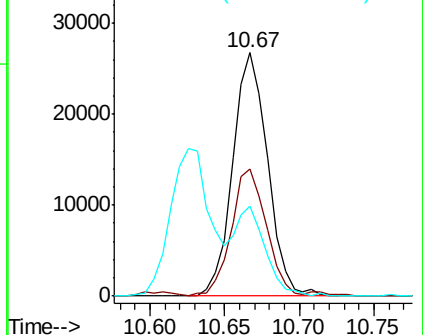
39 33.2 26.2 39.2

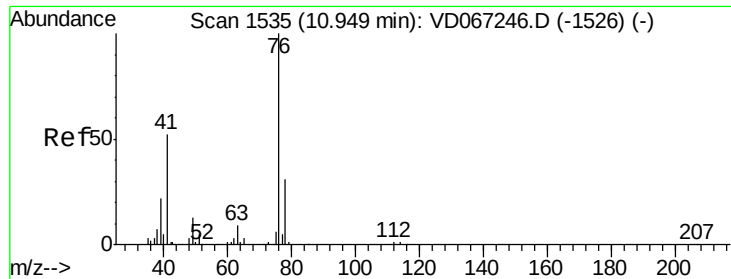


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.360 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

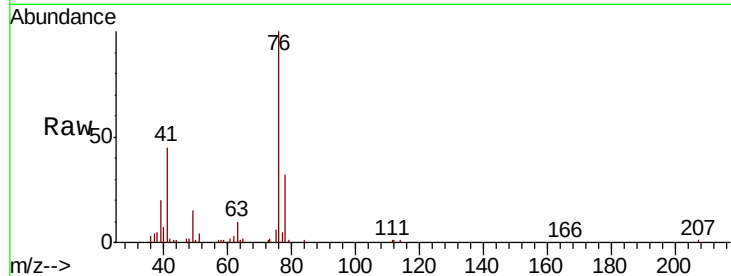
VD1030SBS01

Tot Ion: 76 Resp: 70579

Ion Ratio Lower Upper

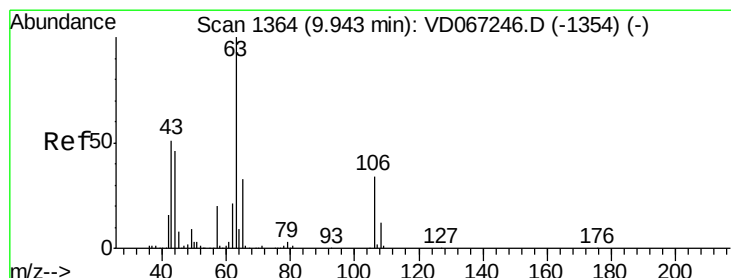
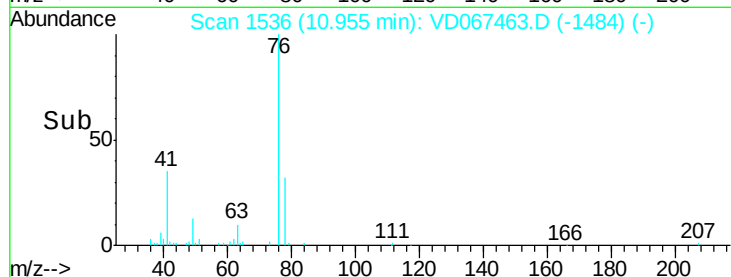
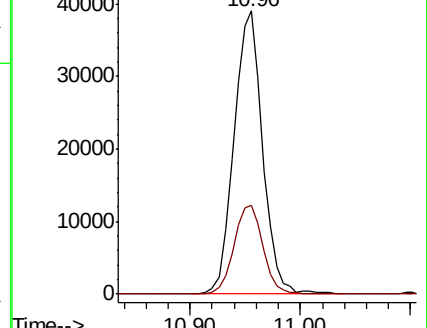
76 100

78 31.8 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.205 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067463.D

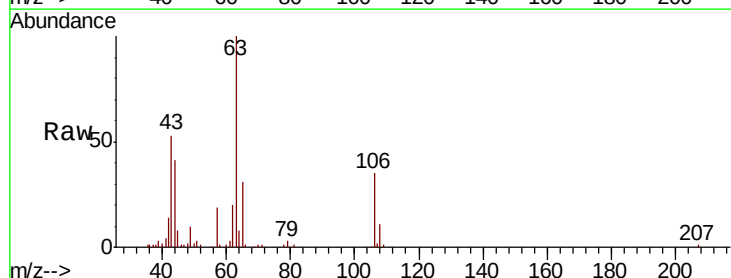
Acq: 30 Oct 2020 10:44

Tgt Ion: 63 Resp: 112903

Ion Ratio Lower Upper

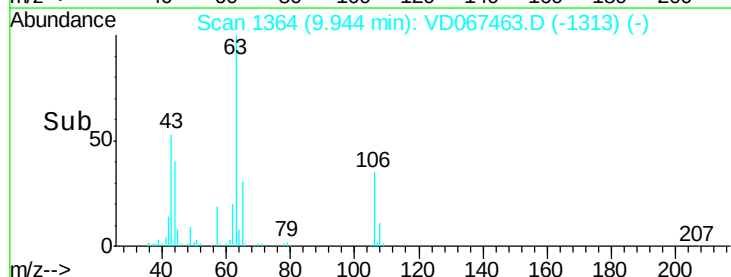
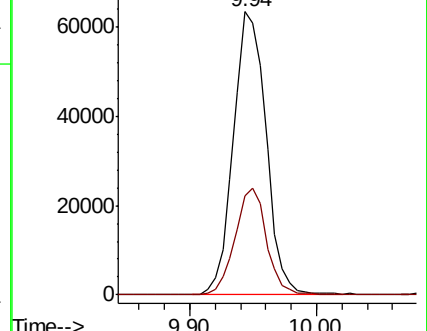
63 100

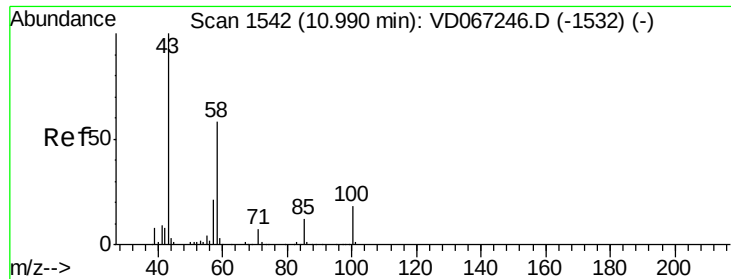
106 36.1 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

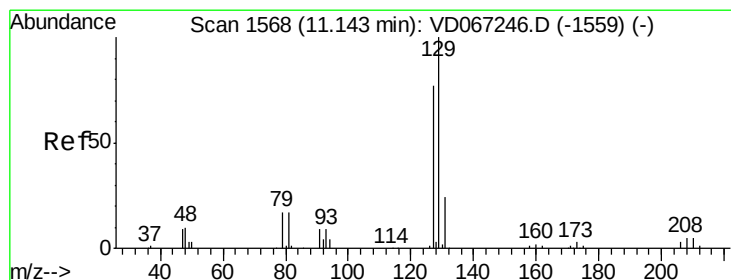
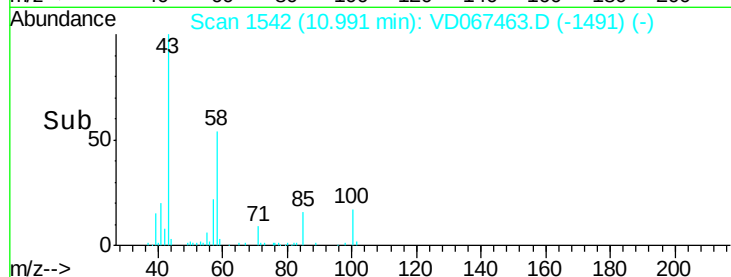
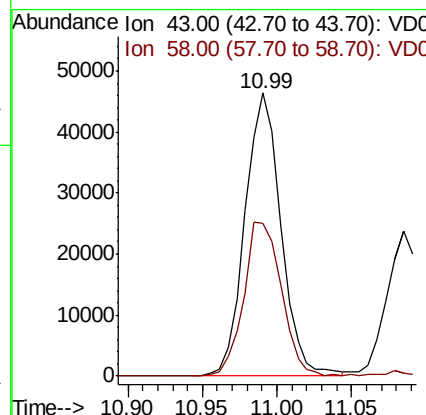
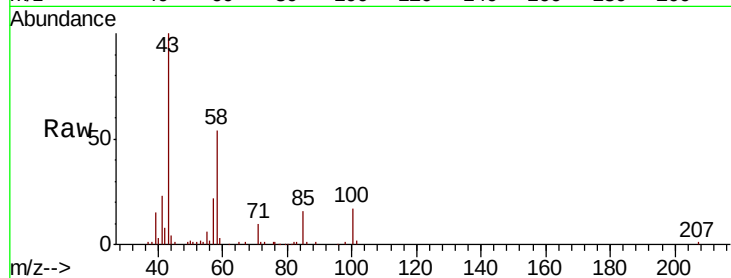




#59
2-Hexanone
Concen: 101.213 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

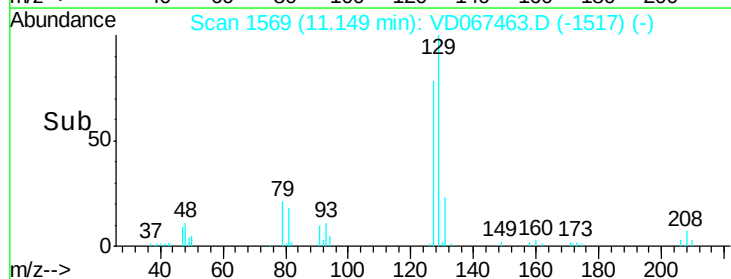
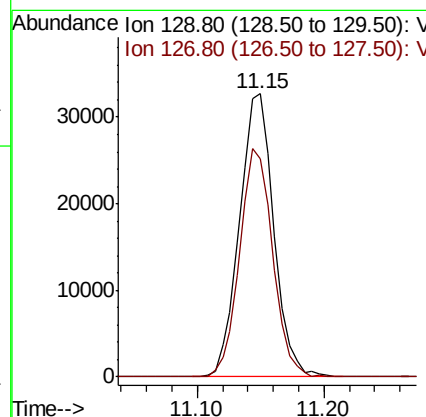
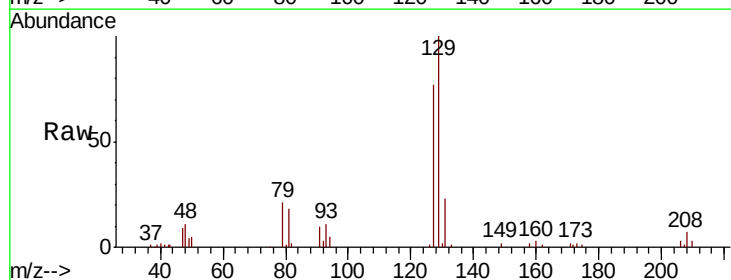
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

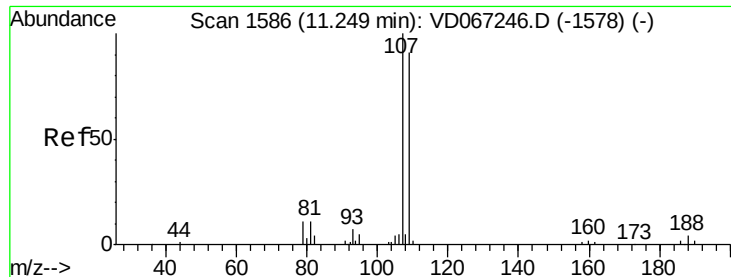
Tot Ion: 43 Resp: 77408
Ion Ratio Lower Upper
43 100
58 57.1 29.3 87.9



#60
Dibromochloromethane
Concen: 20.210 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 129 Resp: 61196
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8

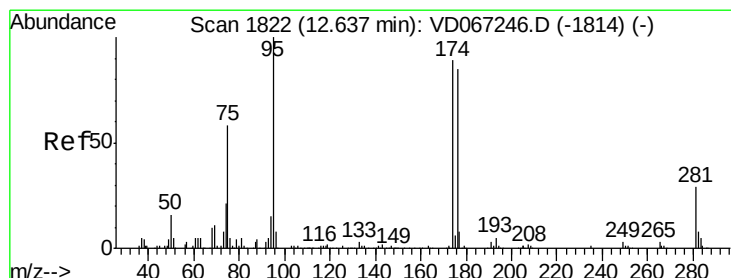
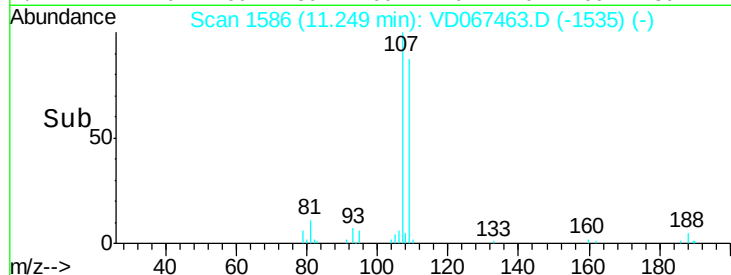
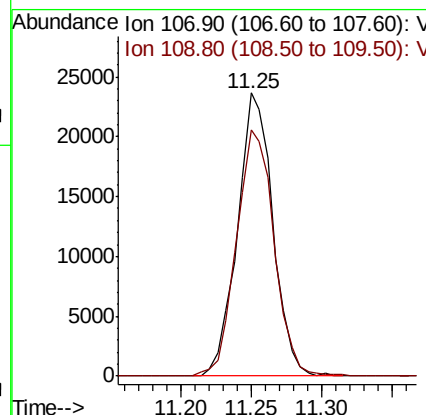
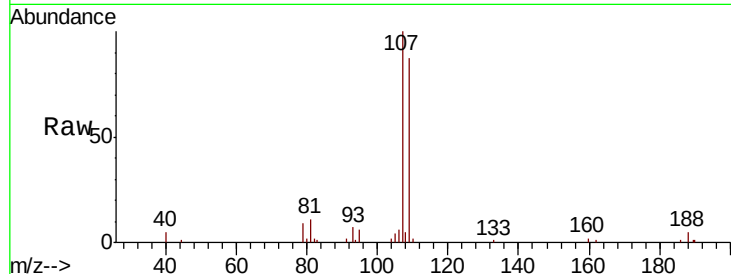




#61
 1,2-Dibromoethane
 Concen: 20.188 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

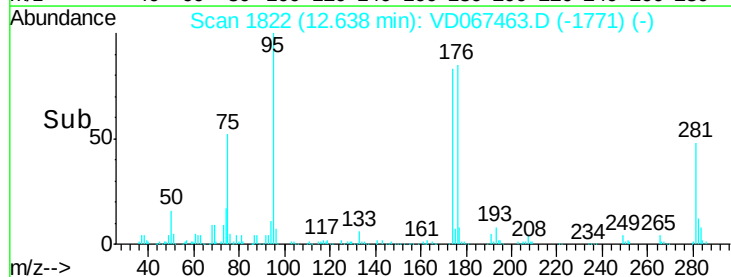
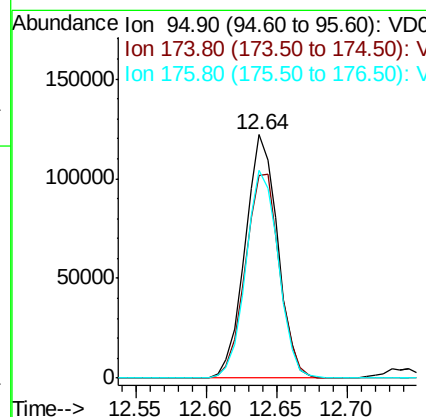
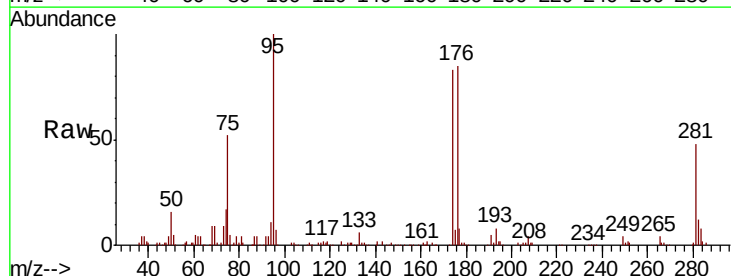
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

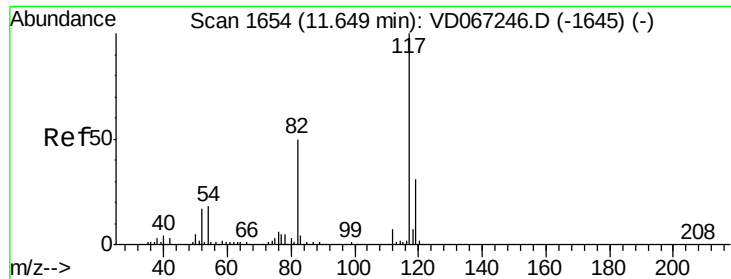
Tot Ion:107 Resp: 41324
 Ion Ratio Lower Upper
 107 100
 109 92.7 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 52.126 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion: 95 Resp: 197965
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 175.2
 176 85.0 0.0 168.6

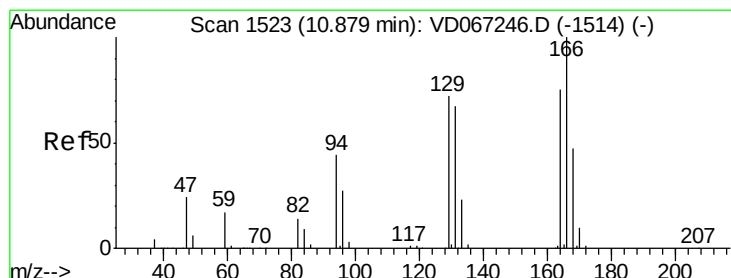
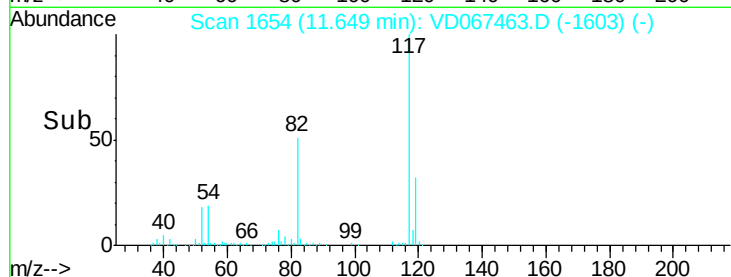
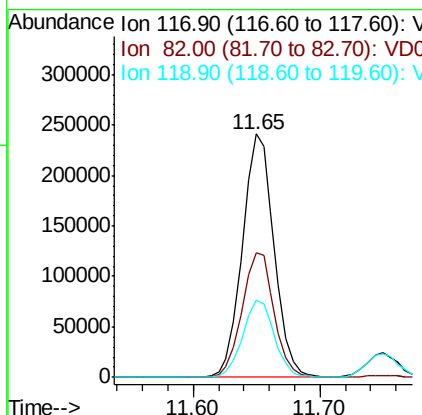
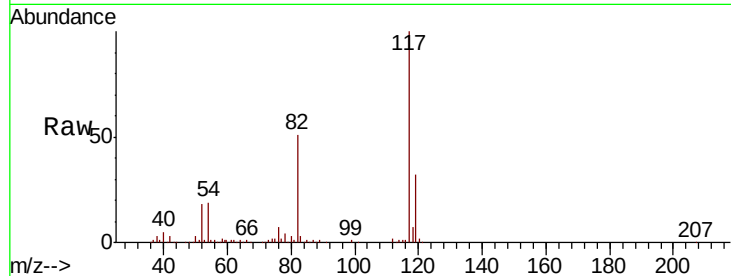




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

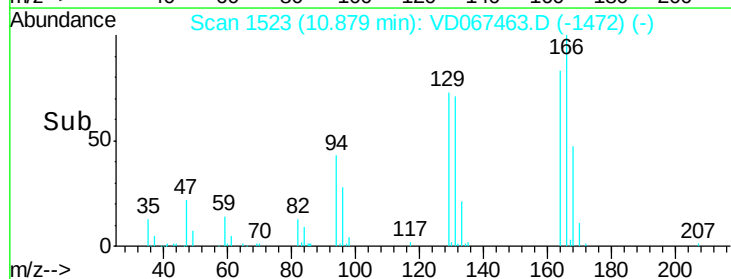
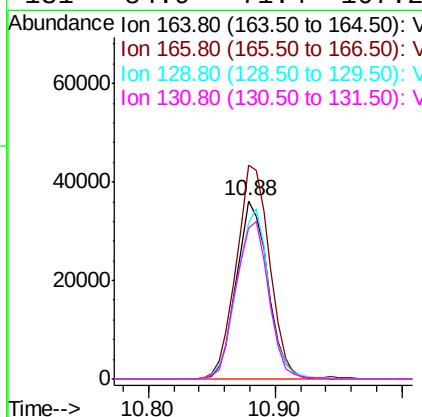
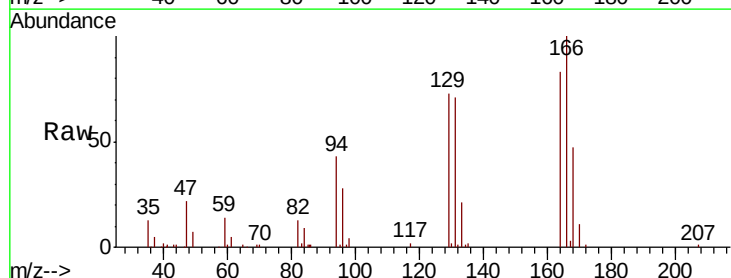
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

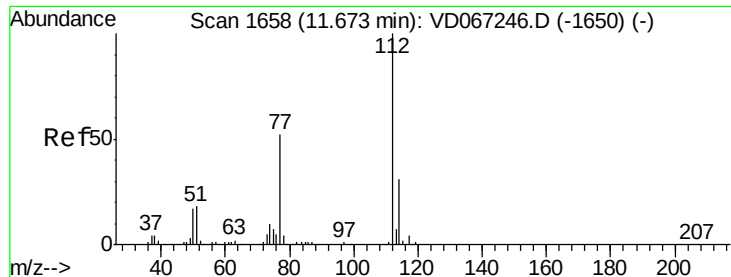
Tot Ion:117 Resp: 417492
Ion Ratio Lower Upper
117 100
82 51.0 39.9 59.9
119 31.8 24.9 37.3



#64
Tetrachloroethene
Concen: 20.634 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion:164 Resp: 62415
Ion Ratio Lower Upper
164 100
166 119.9 107.3 160.9
129 87.5 77.3 115.9
131 84.9 71.4 107.2

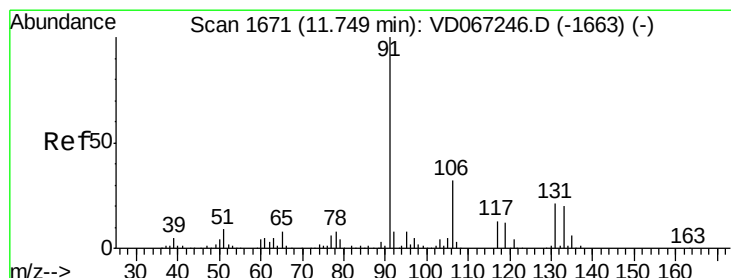
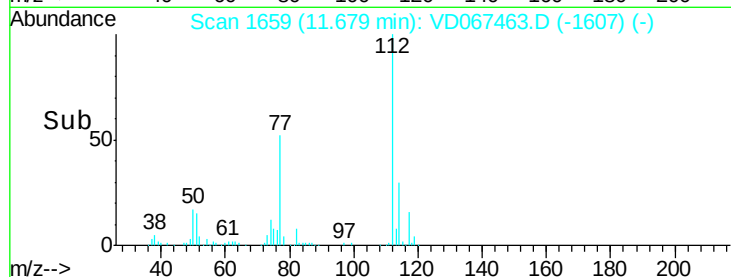
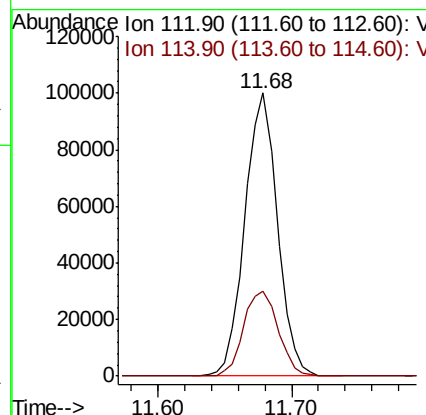
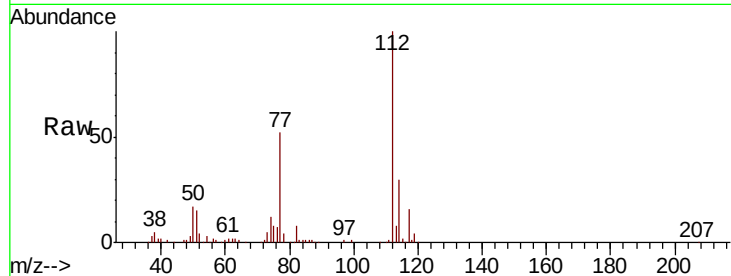




#65
Chlorobenzene
Concen: 21.034 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

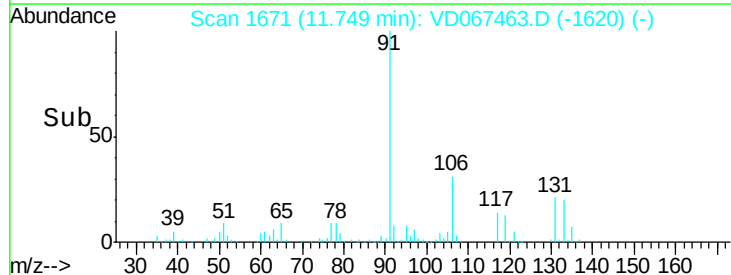
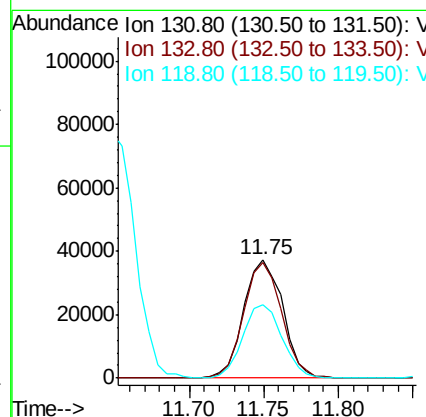
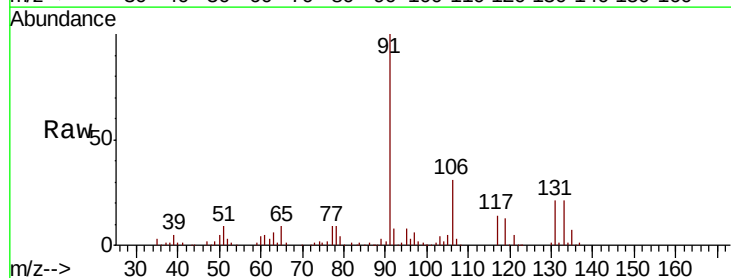
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

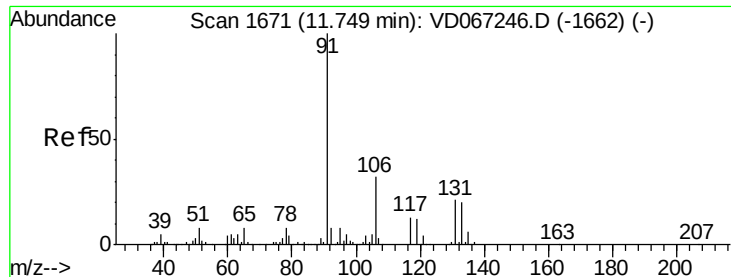
Tot Ion:112 Resp: 168394
Ion Ratio Lower Upper
112 100
114 30.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.178 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion:131 Resp: 67387
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.3
119 63.0 30.0 90.0

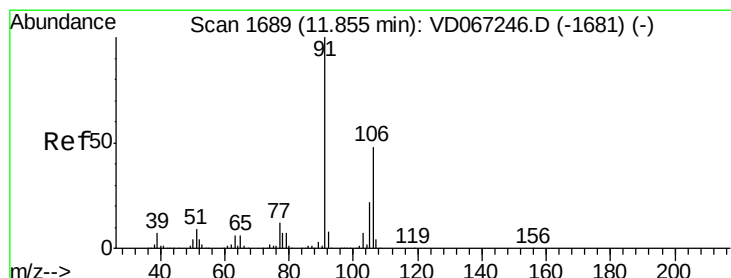
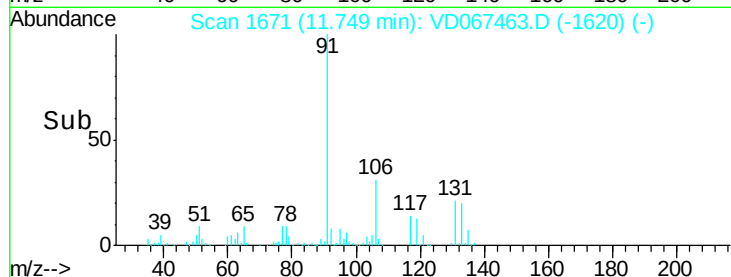
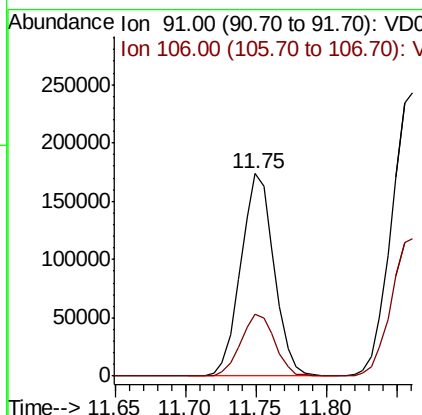
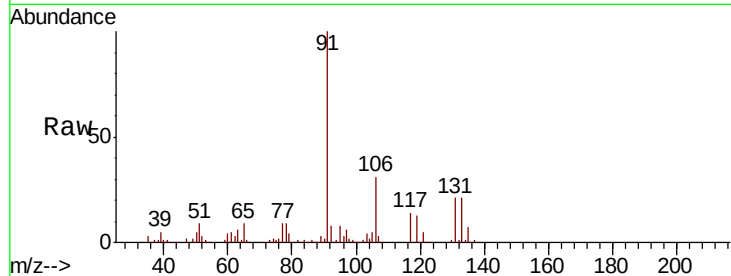




#67
Ethyl Benzene
Concen: 20.888 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

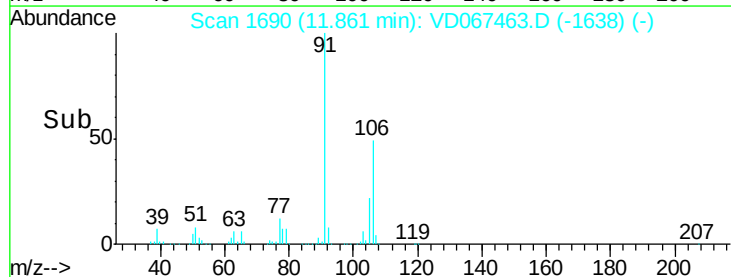
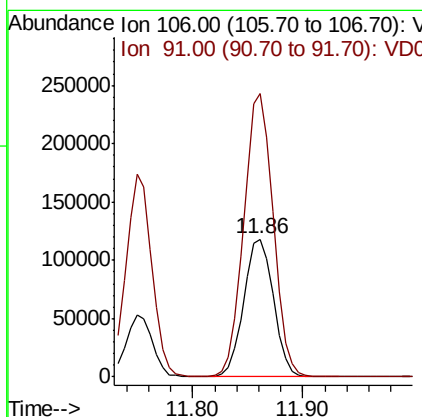
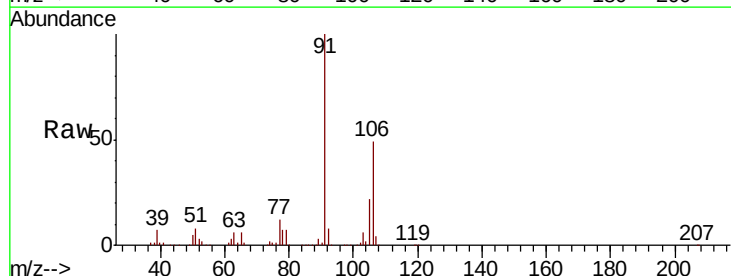
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

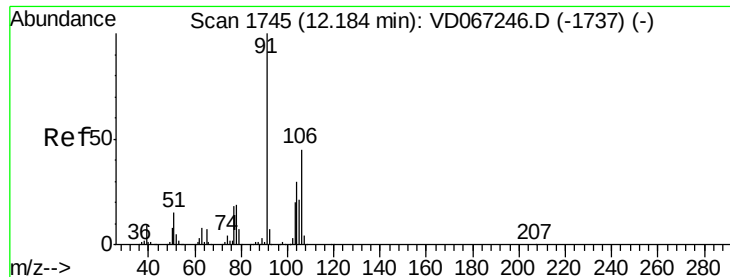
Tot Ion: 91 Resp: 286658
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.0



#68
m/p-Xylenes
Concen: 42.590 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 106 Resp: 225077
Ion Ratio Lower Upper
106 100
91 203.2 163.8 245.8

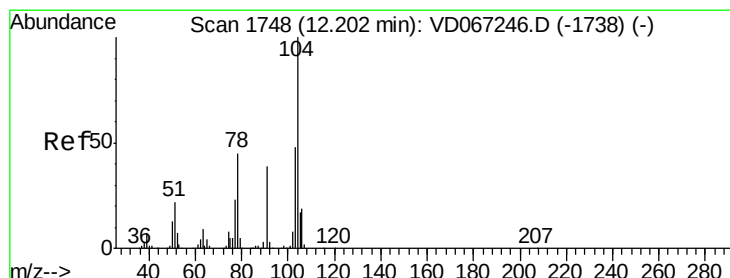
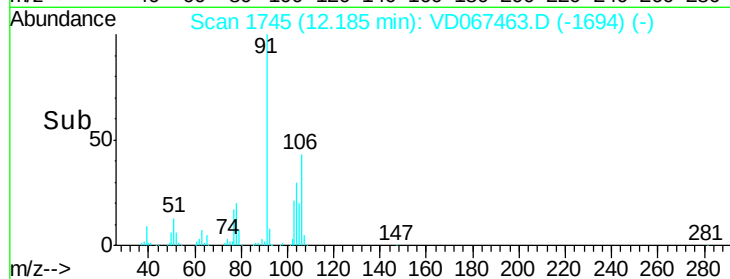
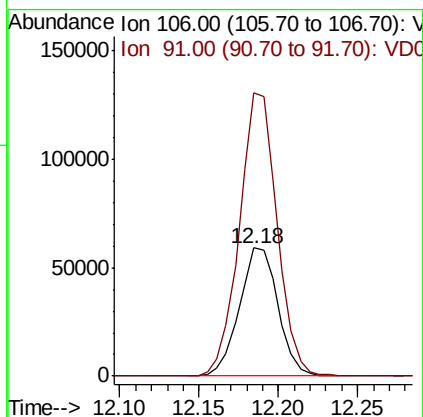
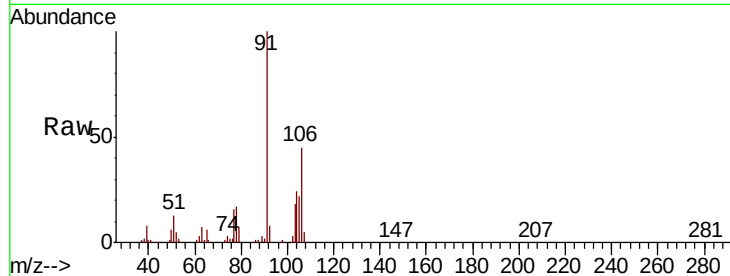




#69
o-Xylene
Concen: 20.421 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

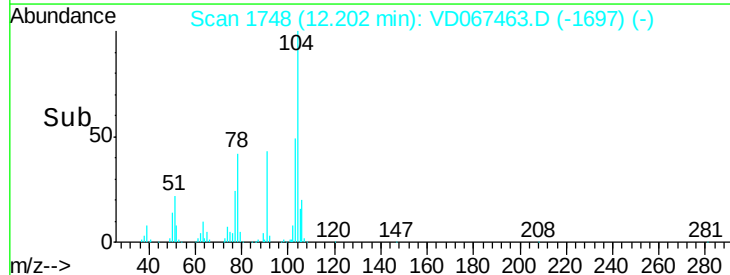
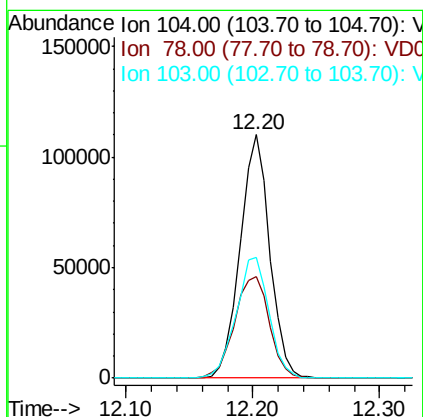
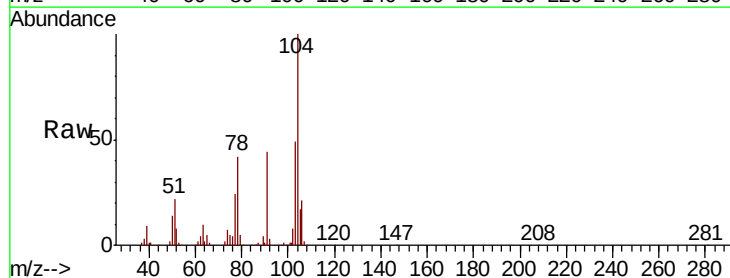
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

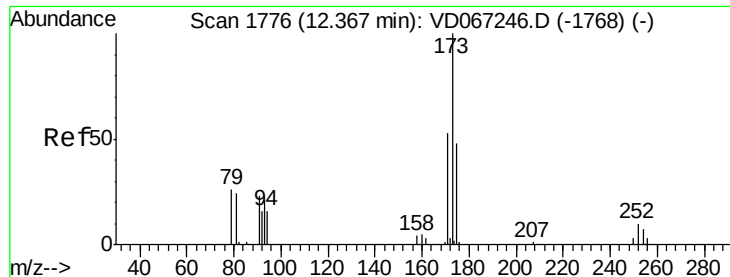
Tot Ion:106 Resp: 99936
Ion Ratio Lower Upper
106 100
91 215.8 109.1 327.3



#70
Styrene
Concen: 21.113 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion:104 Resp: 177864
Ion Ratio Lower Upper
104 100
78 49.1 39.8 59.6
103 54.9 42.6 64.0

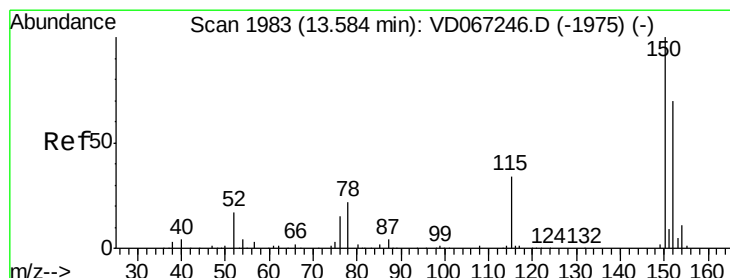
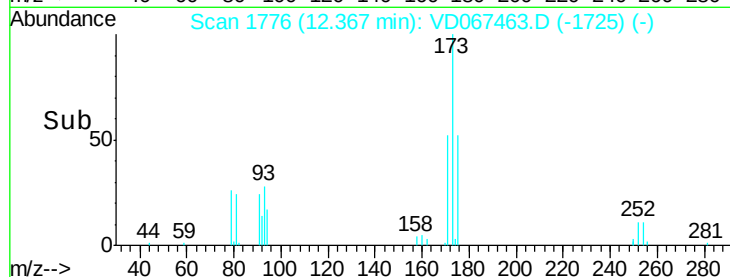
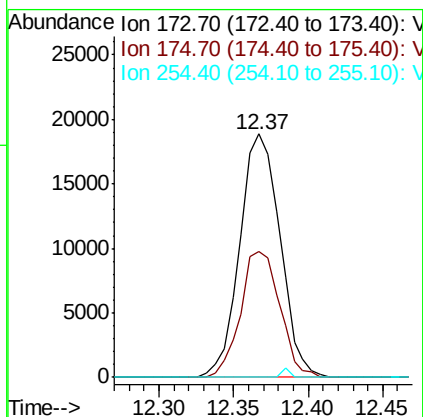
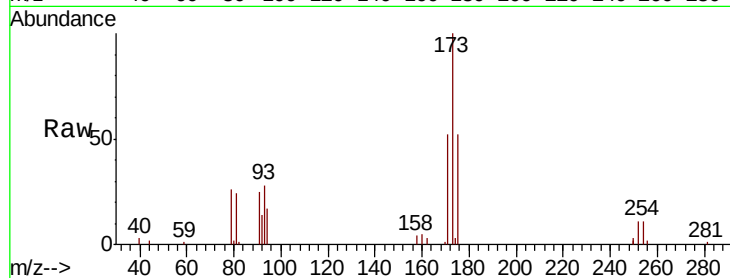




#71
Bromoform
Concen: 20.610 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

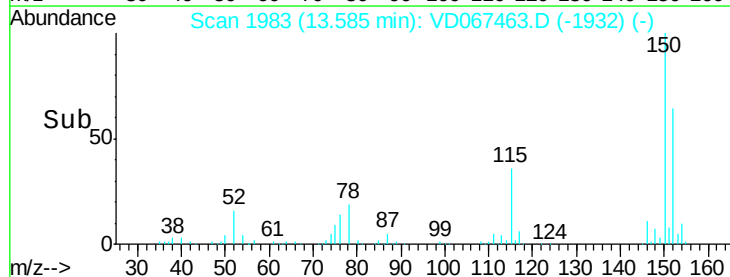
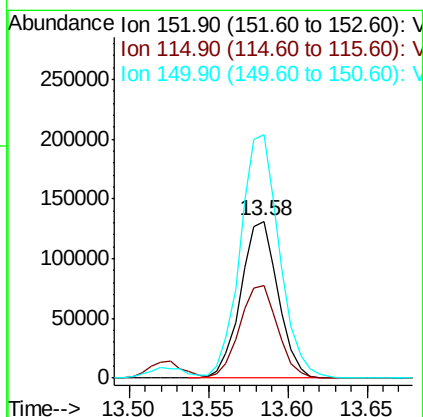
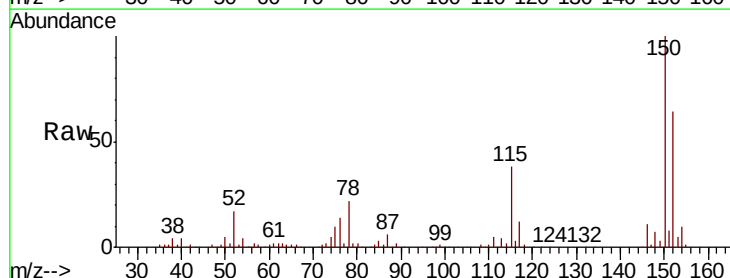
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

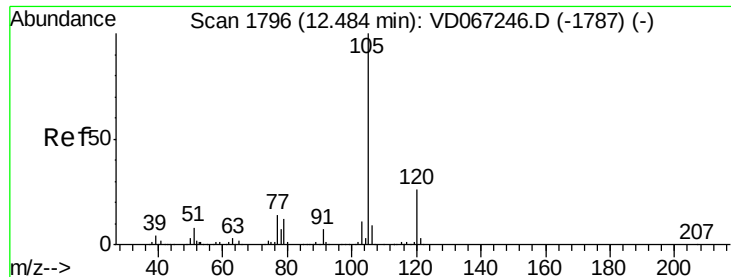
Tot Ion:173 Resp: 35231
Ion Ratio Lower Upper
173 100
175 50.5 24.2 72.6
254 0.8 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion:152 Resp: 214332
Ion Ratio Lower Upper
152 100
115 60.2 29.3 87.9
150 162.8 0.0 339.0





#73

Isopropylbenzene

Concen: 21.030 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

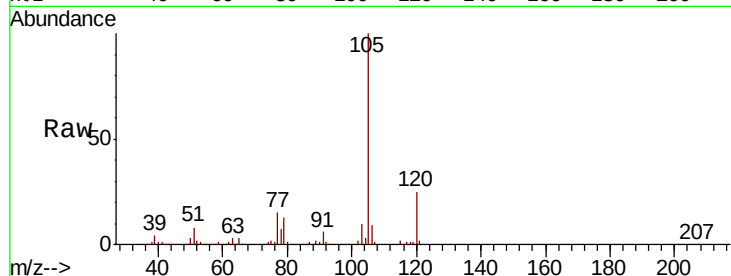
VD1030SBS01

Tot Ion:105 Resp: 286071

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

200000

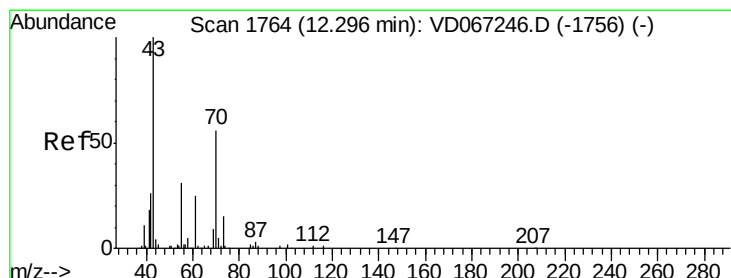
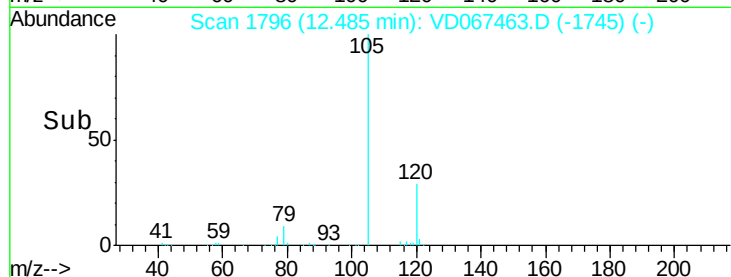
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 19.315 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Tgt Ion: 43 Resp: 39683

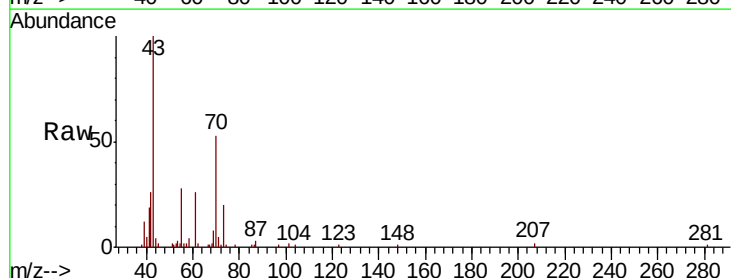
Ion Ratio Lower Upper

43 100

70 54.1 42.7 64.1

55 30.1 24.0 36.0

61 28.5 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

12.29

40000

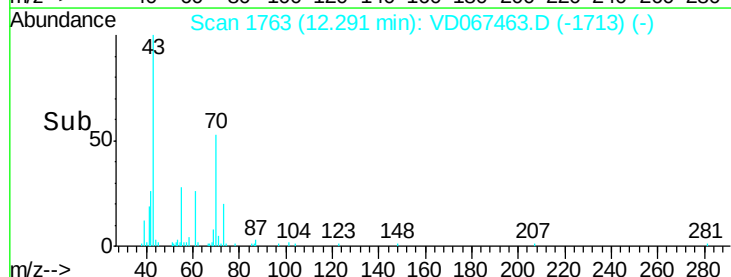
30000

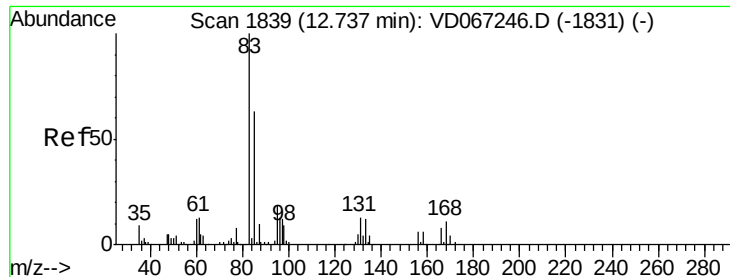
20000

10000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 20.510 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

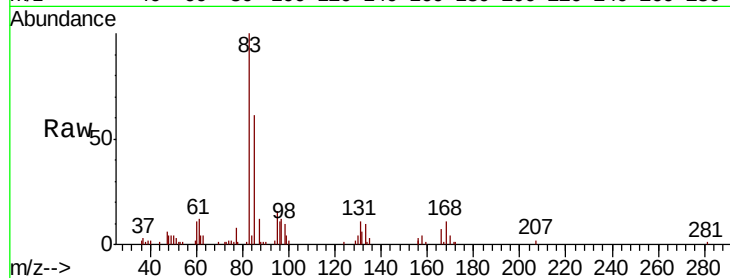
Tot Ion: 83 Resp: 42748

Ion Ratio Lower Upper

83 100

131 13.1 6.5 19.5

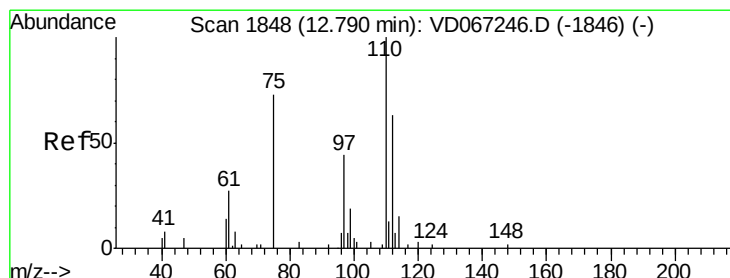
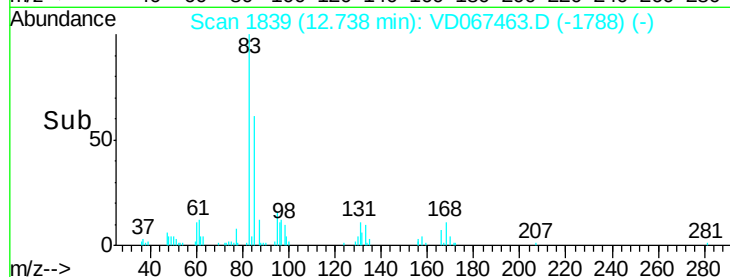
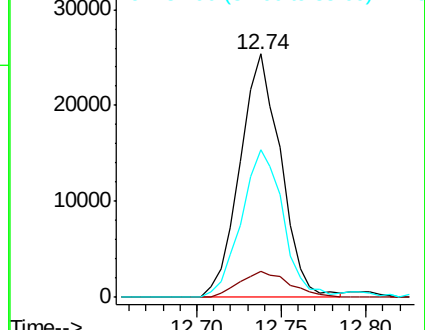
85 61.8 32.6 97.7



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: 38.563 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067463.D

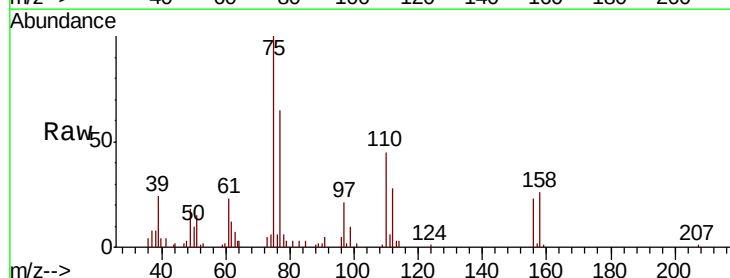
Acq: 30 Oct 2020 10:44

Tgt Ion: 75 Resp: 57286

Ion Ratio Lower Upper

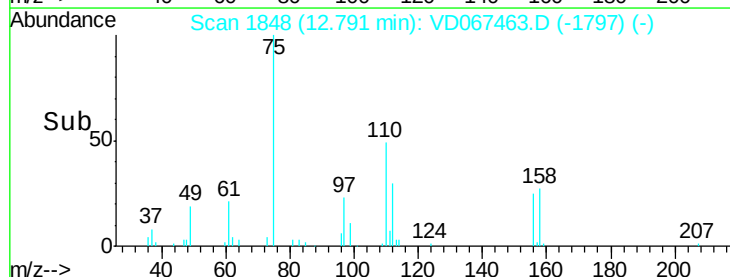
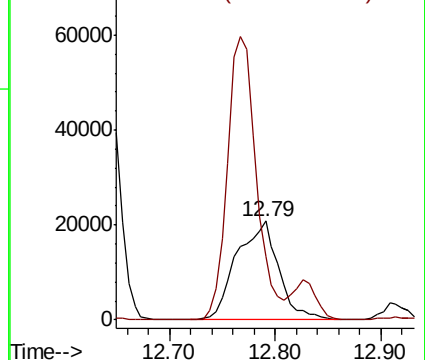
75 100

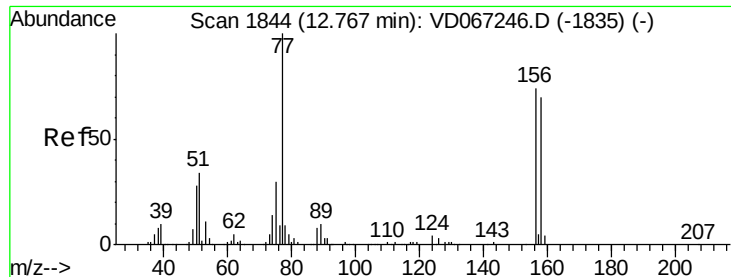
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.330 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

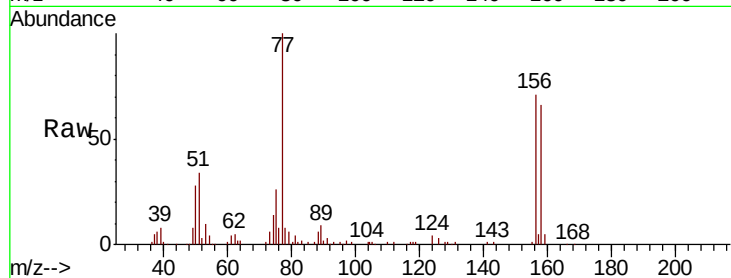
Tot Ion:156 Resp: 72336

Ion Ratio Lower Upper

156 100

77 156.9 78.0 233.8

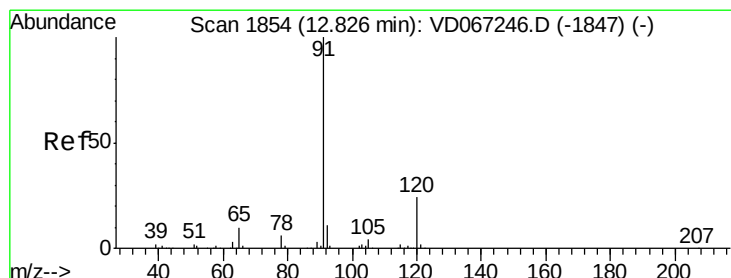
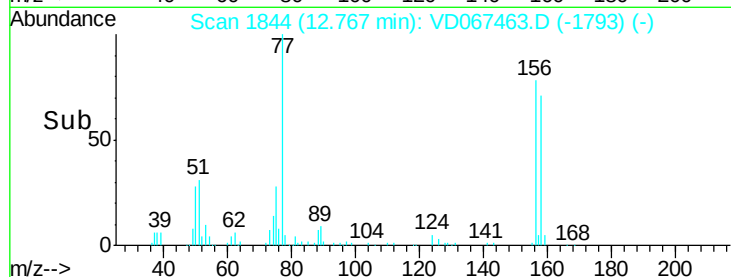
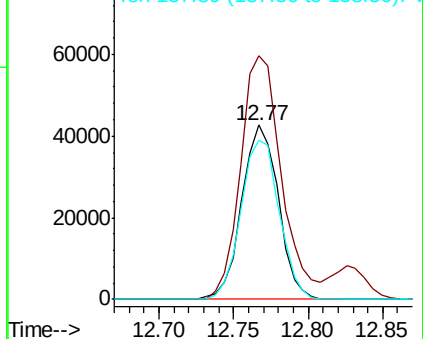
158 95.8 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.276 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067463.D

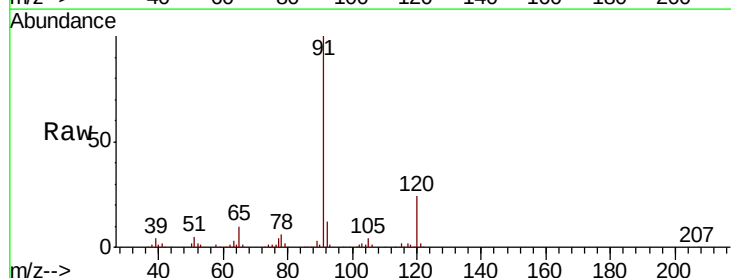
Acq: 30 Oct 2020 10:44

Tgt Ion: 91 Resp: 335318

Ion Ratio Lower Upper

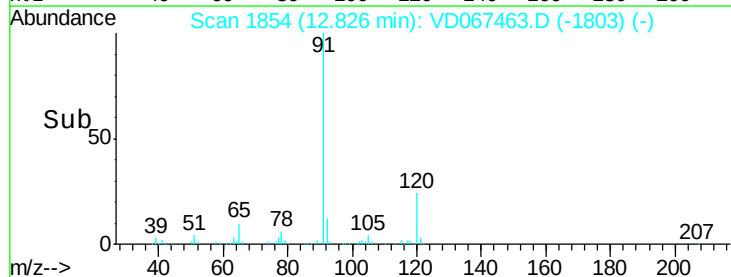
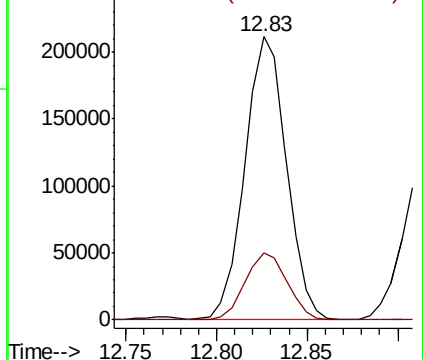
91 100

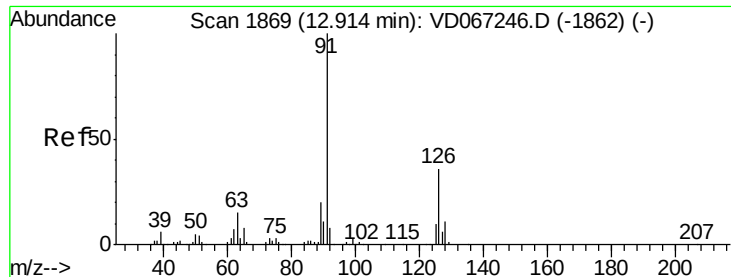
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.532 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

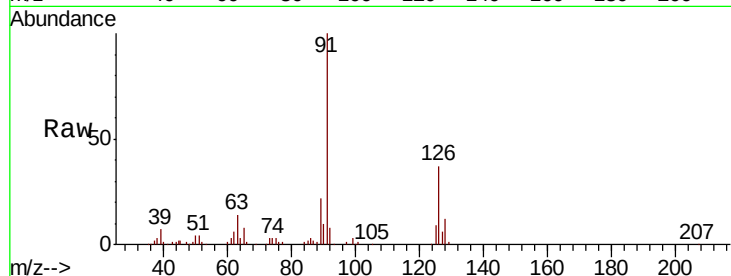
VD1030SBS01

Tot Ion: 91 Resp: 187661

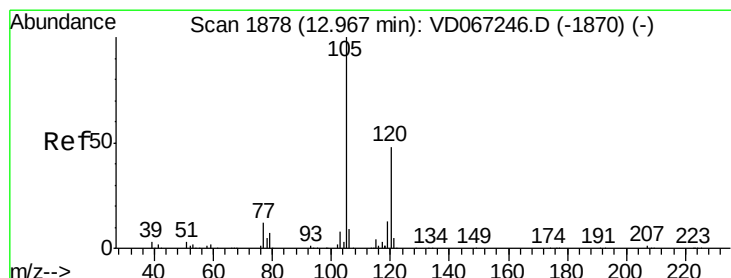
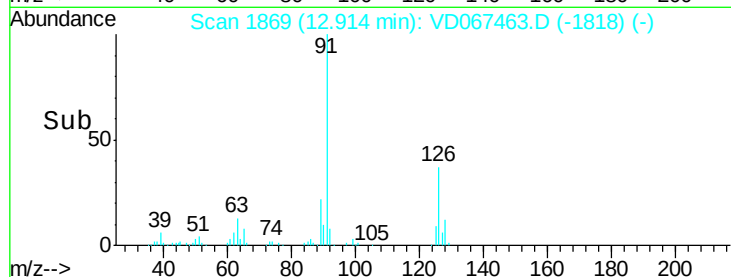
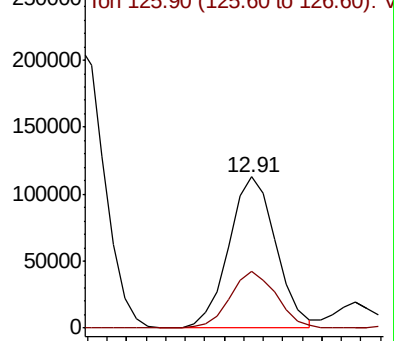
Ion Ratio Lower Upper

91 100

126 37.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.420 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067463.D

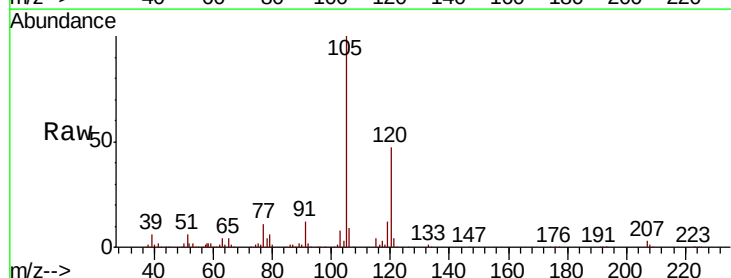
Acq: 30 Oct 2020 10:44

Tgt Ion:105 Resp: 253205

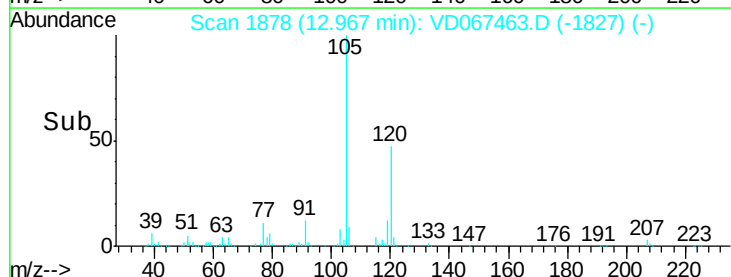
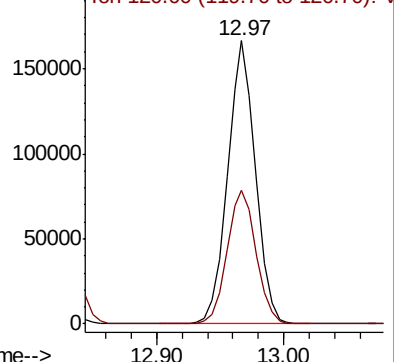
Ion Ratio Lower Upper

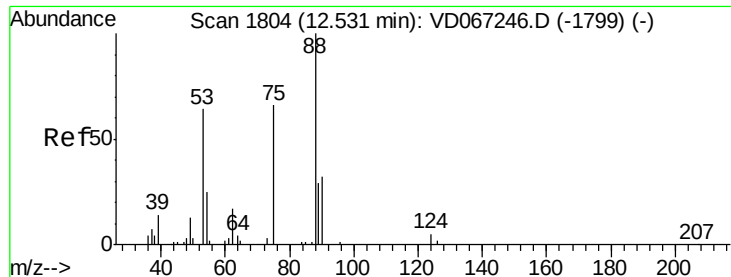
105 100

120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

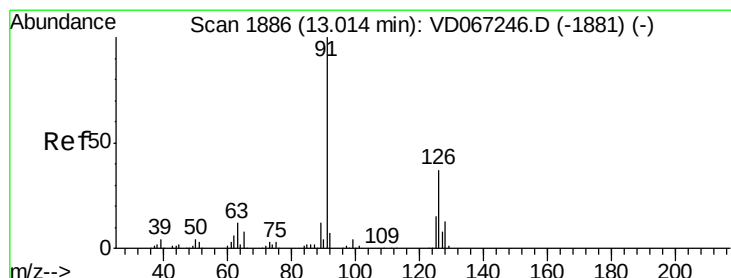
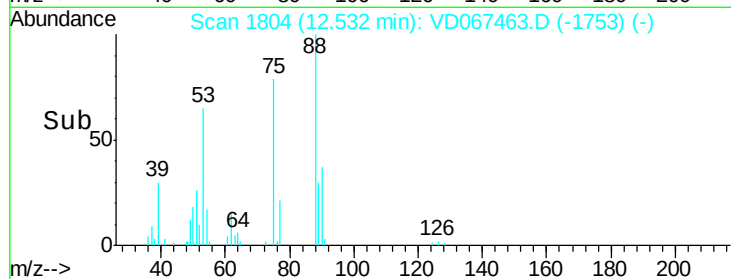
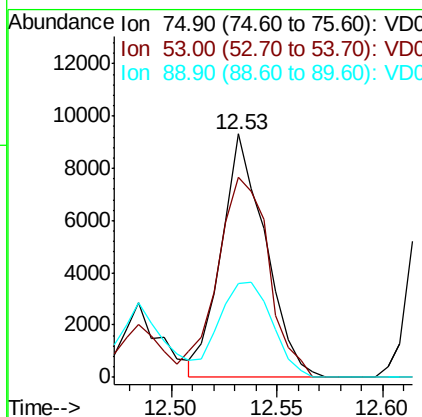
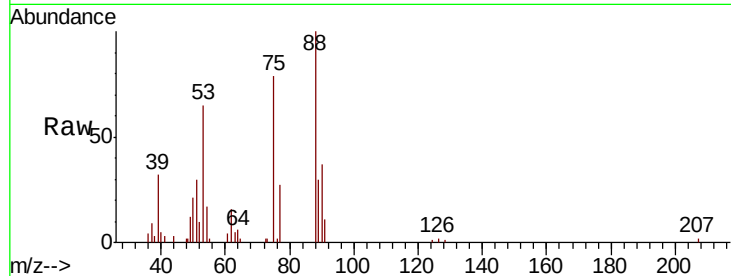




#81
trans-1,4-Dichloro-2-butene
Concen: 20.576 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

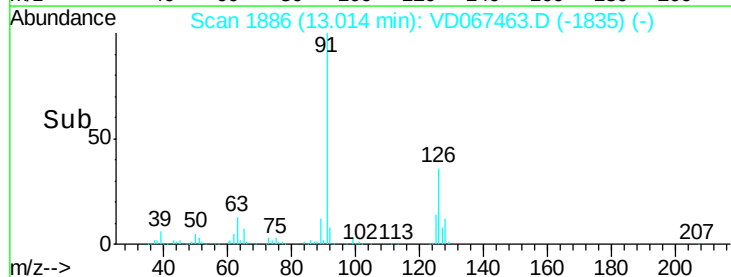
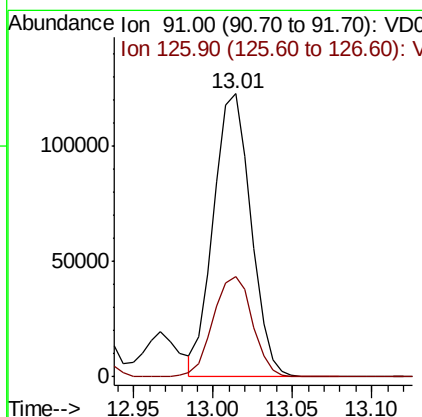
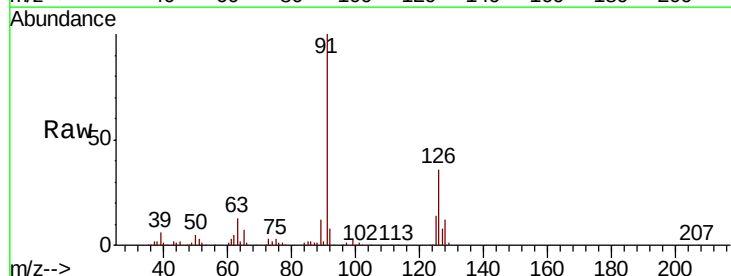
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

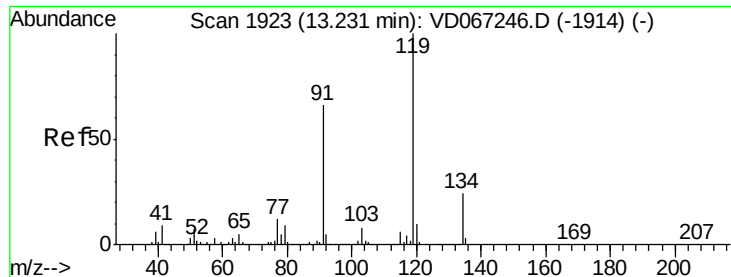
Tot Ion: 75 Resp: 13479
Ion Ratio Lower Upper
75 100
53 96.1 78.5 117.7
89 47.5 39.9 59.9



#82
4-Chlorotoluene
Concen: 20.775 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 91 Resp: 201537
Ion Ratio Lower Upper
91 100
126 37.3 17.8 53.5

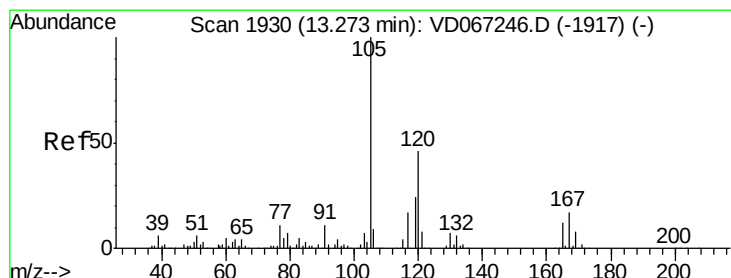
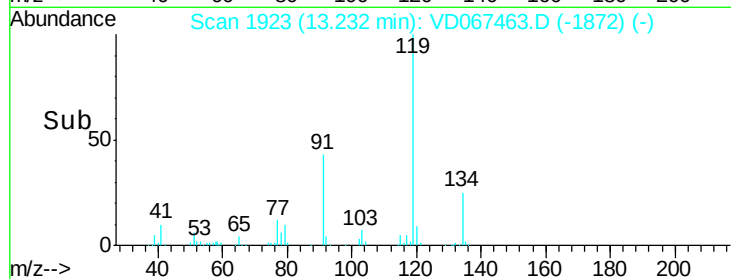
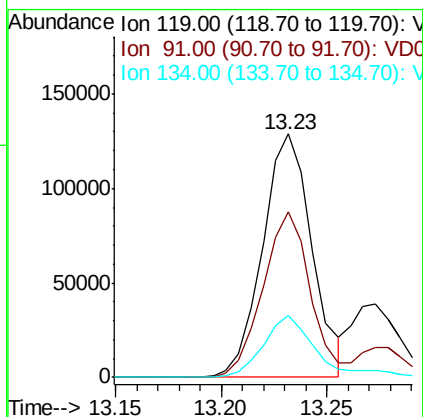
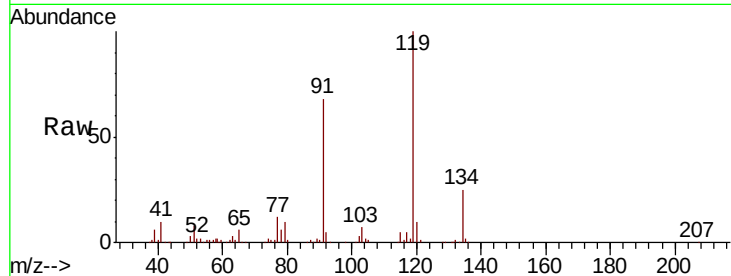




#83
 tert-Butylbenzene
 Concen: 20.964 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

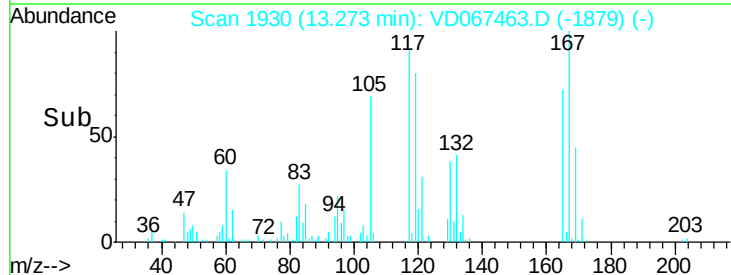
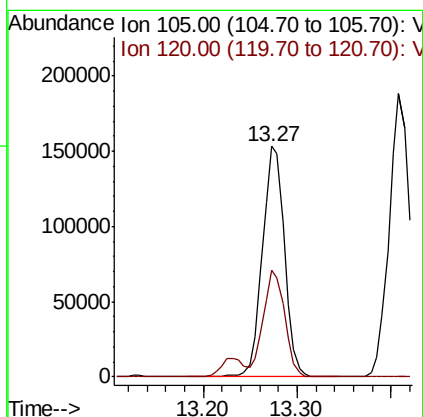
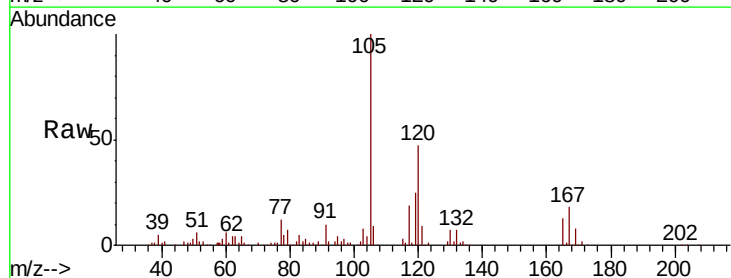
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

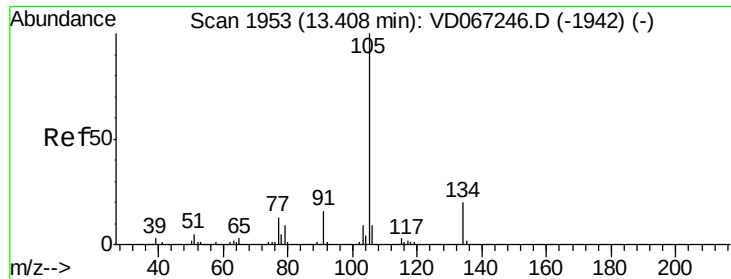
Tot Ion:119 Resp: 209333
 Ion Ratio Lower Upper
 119 100
 91 66.3 33.1 99.2
 134 27.1 13.3 39.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.294 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion:105 Resp: 248791
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.3





#85

sec-Butylbenzene

Concen: 21.068 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

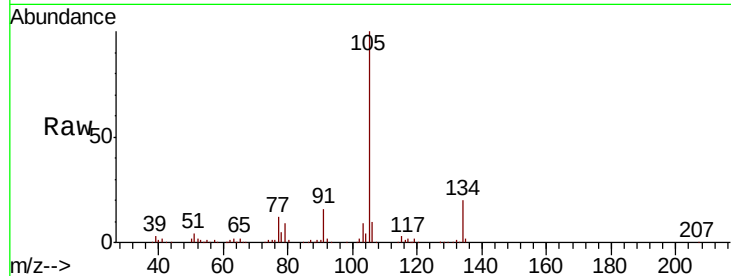
VD1030SBS01

Tot Ion:105 Resp: 288659

Ion Ratio Lower Upper

105 100

134 20.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

200000

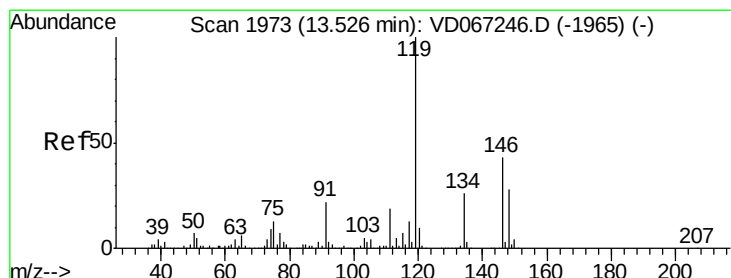
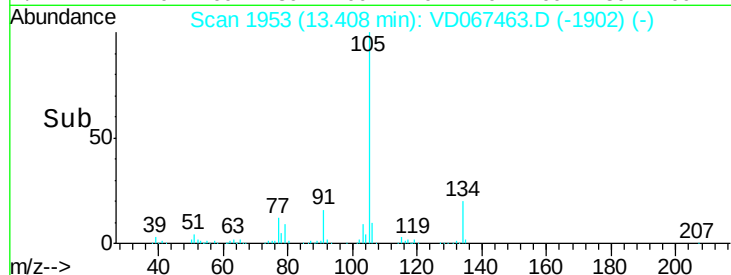
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 21.131 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

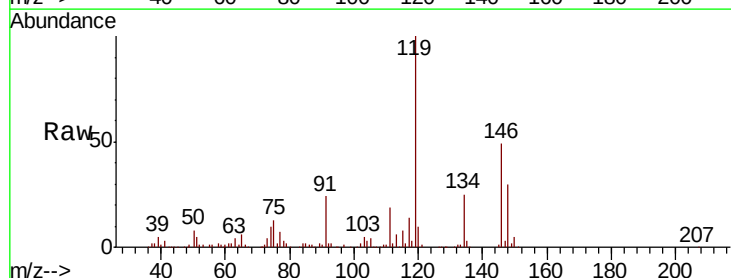
Tgt Ion:119 Resp: 273271

Ion Ratio Lower Upper

119 100

134 26.9 13.1 39.3

91 25.0 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

13.53

200000

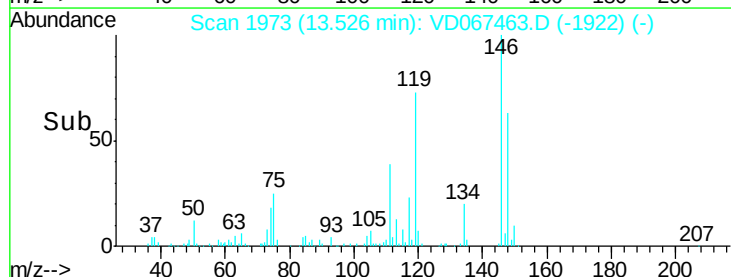
150000

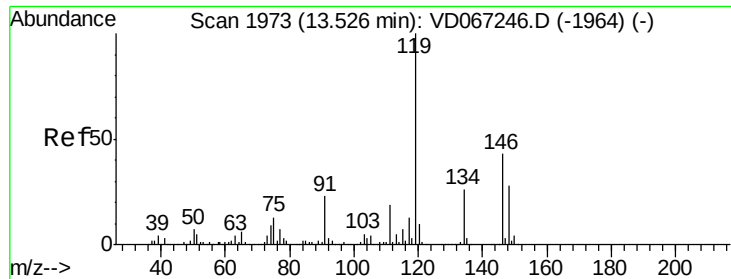
100000

50000

0

Time--> 13.45 13.50 13.55 13.60

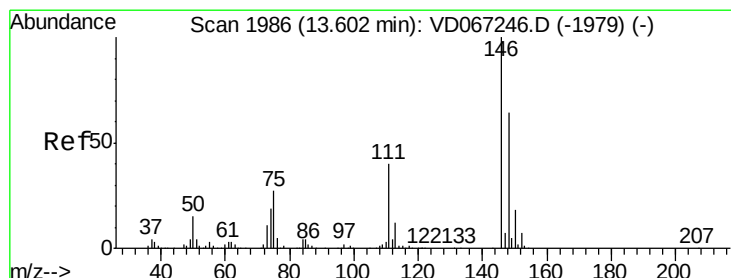
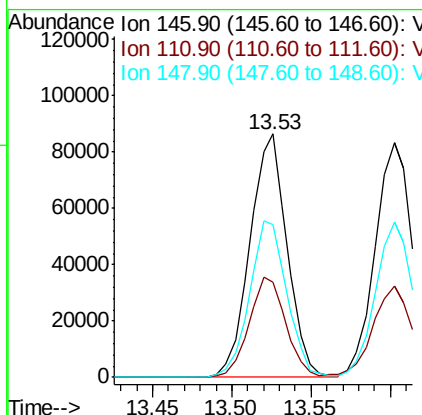
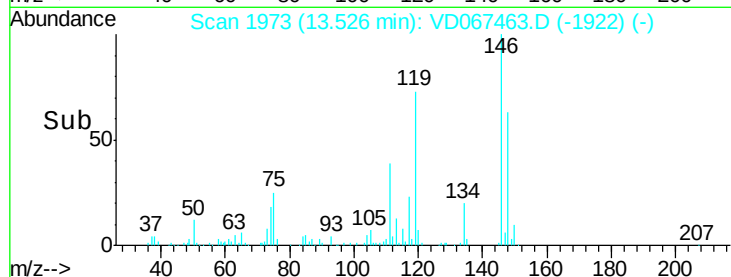
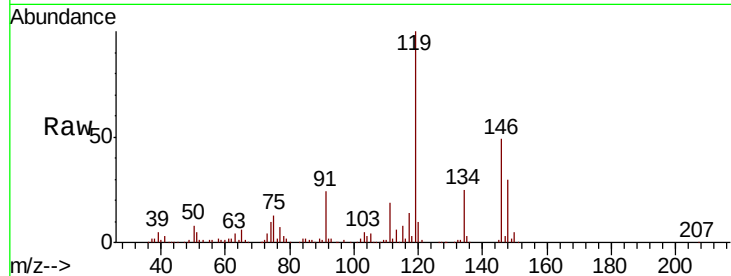




#87
 1,3-Dichlorobenzene
 Concen: 21.546 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

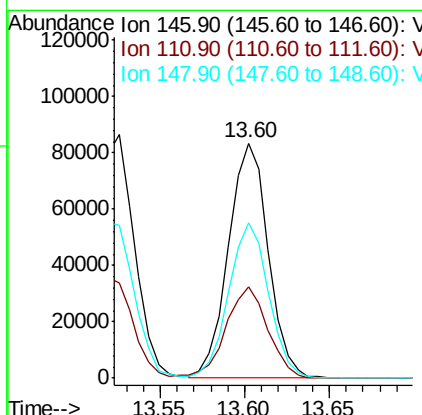
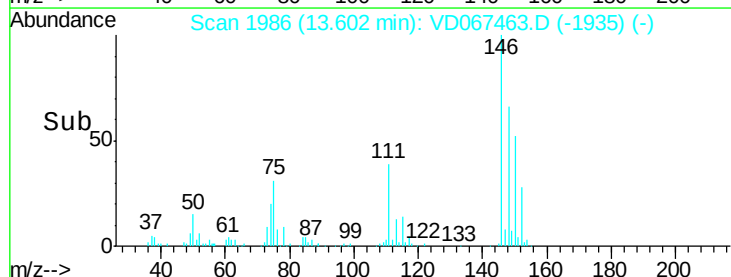
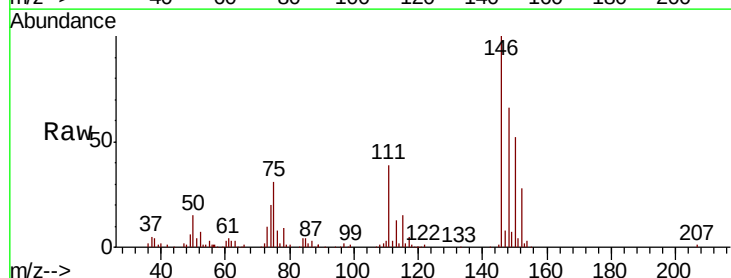
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

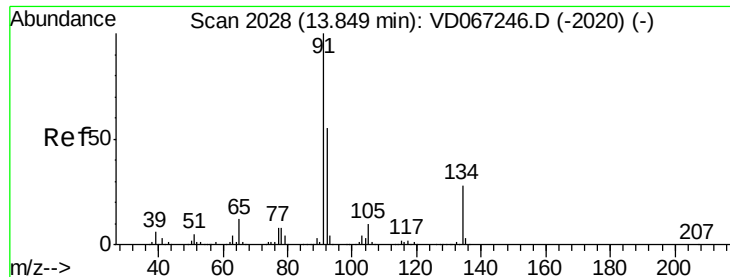
Tot Ion:146 Resp: 140644
 Ion Ratio Lower Upper
 146 100
 111 40.6 21.1 63.3
 148 64.6 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 21.154 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion:146 Resp: 136810
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.9 59.7
 148 66.2 31.9 95.9

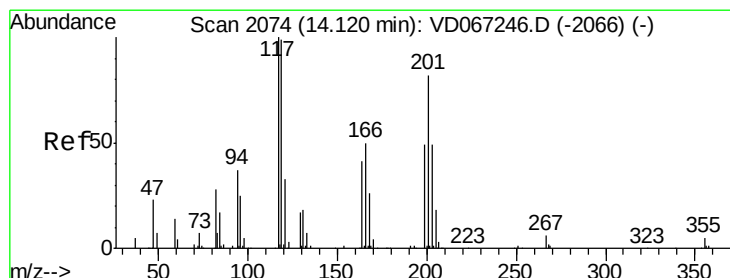
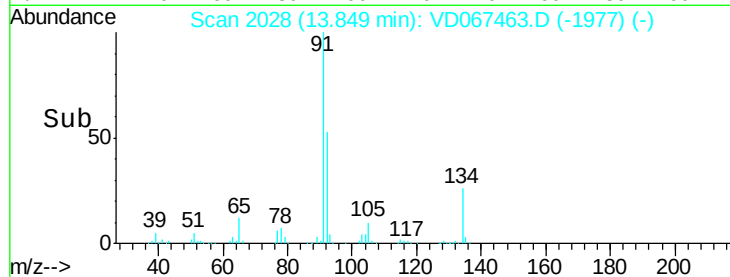
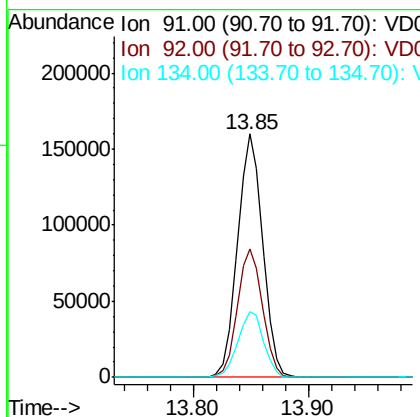
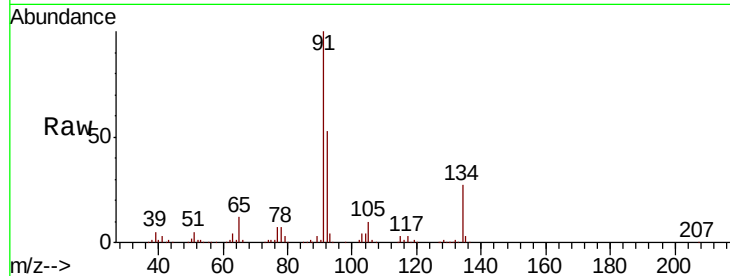




#89
n-Butylbenzene
Concen: 21.118 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

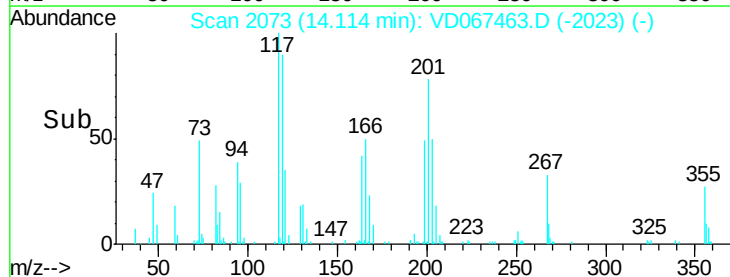
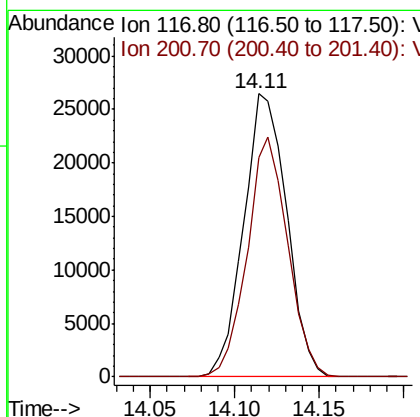
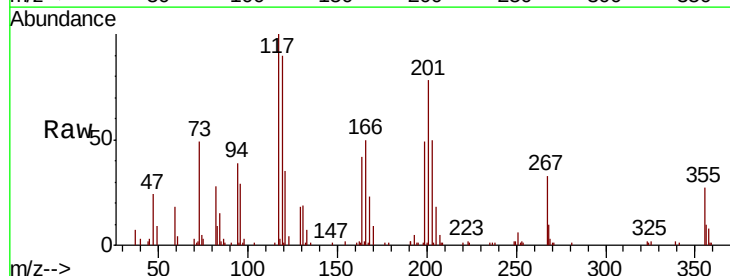
Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

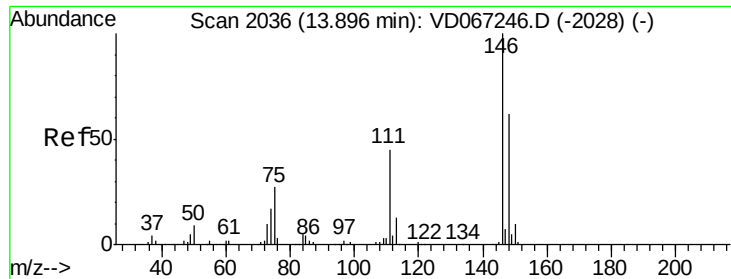
Tot Ion: 91 Resp: 240265
Ion Ratio Lower Upper
91 100
92 52.5 26.7 80.0
134 27.5 14.2 42.6



#90
Hexachloroethane
Concen: 20.737 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 117 Resp: 46797
Ion Ratio Lower Upper
117 100
201 79.8 40.8 122.2

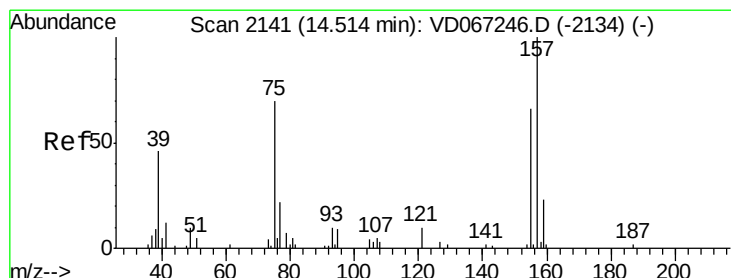
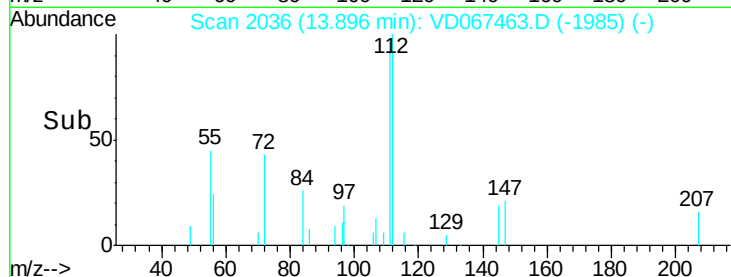
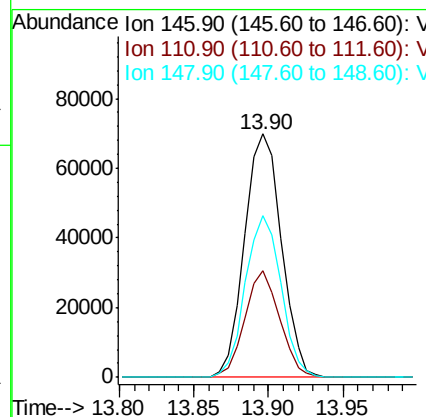
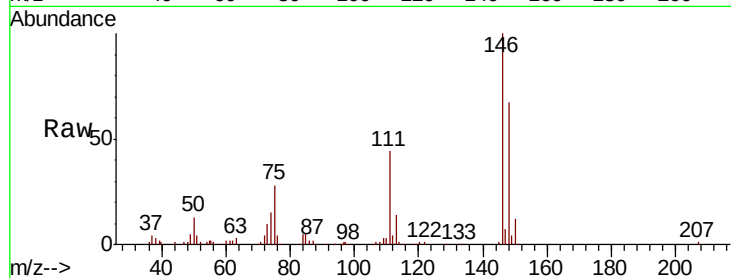




#91
 1,2-Dichlorobenzene
 Concen: 20.985 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

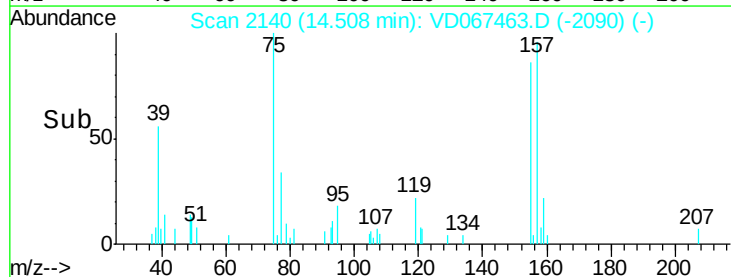
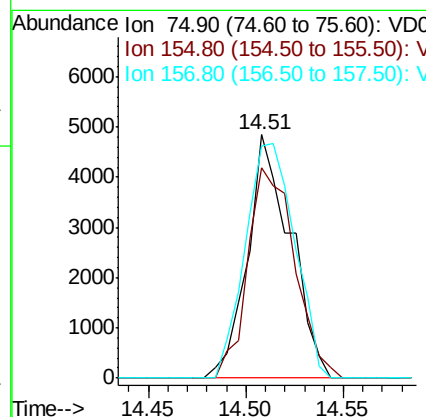
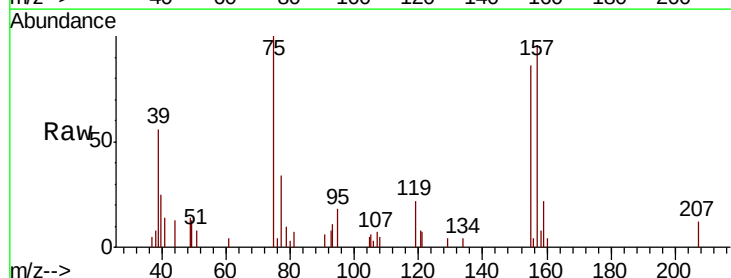
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

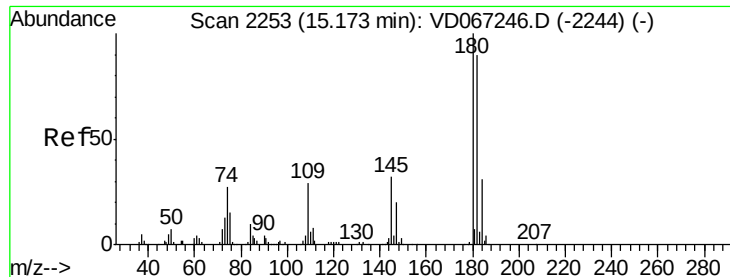
Tot Ion:146 Resp: 119668
 Ion Ratio Lower Upper
 146 100
 111 41.5 22.0 66.0
 148 64.3 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.511 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion: 75 Resp: 7388
 Ion Ratio Lower Upper
 75 100
 155 94.2 44.8 134.4
 157 111.3 62.5 187.4

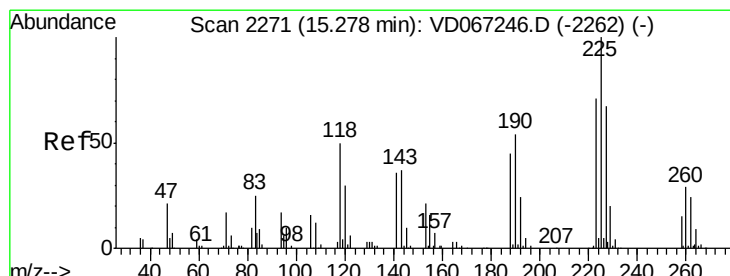
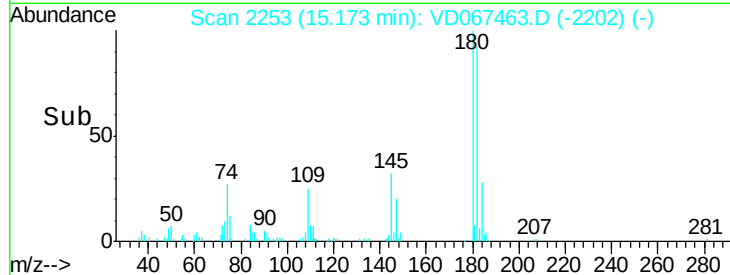
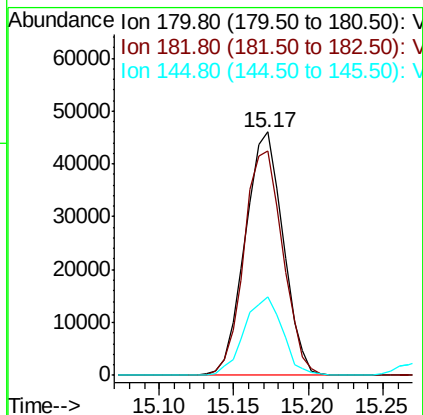
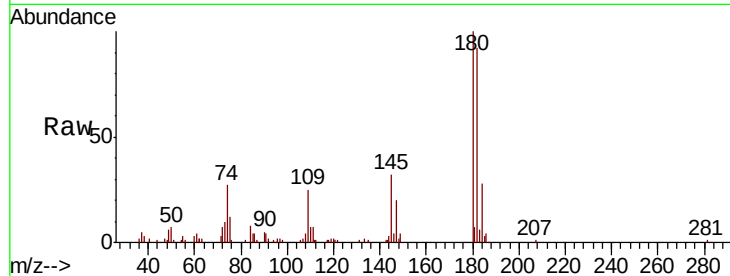




#93
 1,2,4-Trichlorobenzene
 Concen: 21.142 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

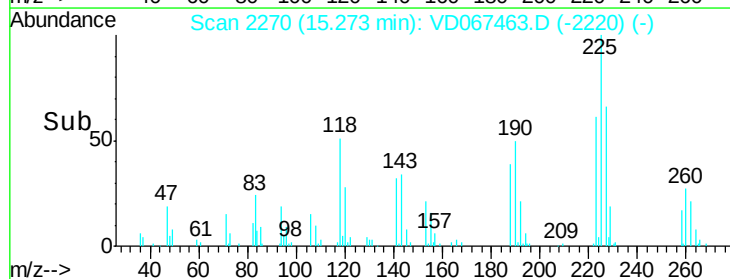
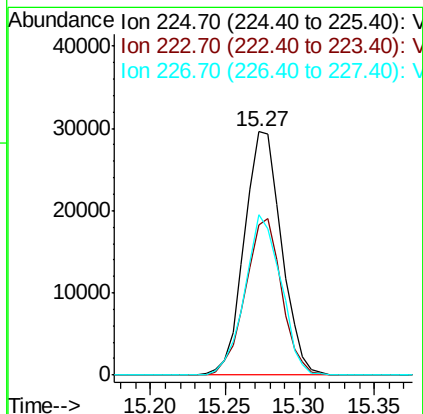
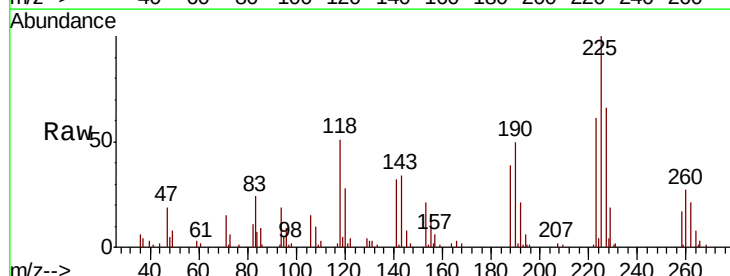
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

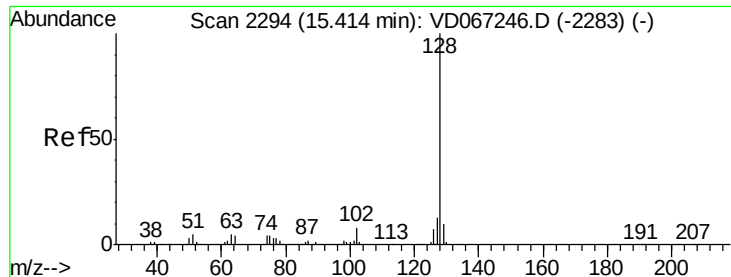
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	48.1	144.4
145	32.5	16.3	48.9



#94
 Hexachlorobutadiene
 Concen: 21.388 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.9	95.7
227	63.9	31.2	93.6





#95

Naphthalene

Concen: 20.116 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

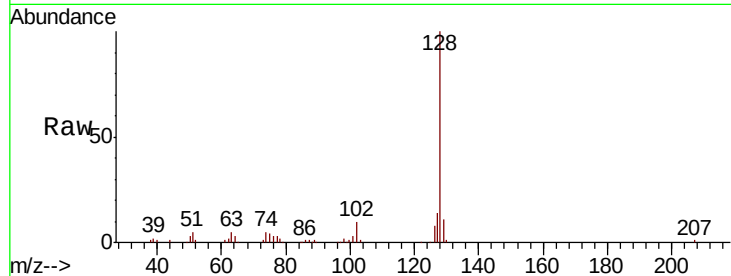
Tot Ion:128 Resp: 126978

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

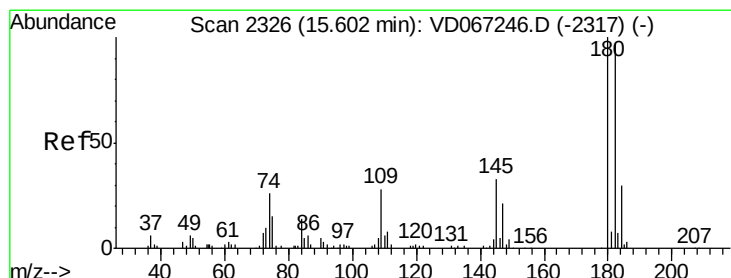
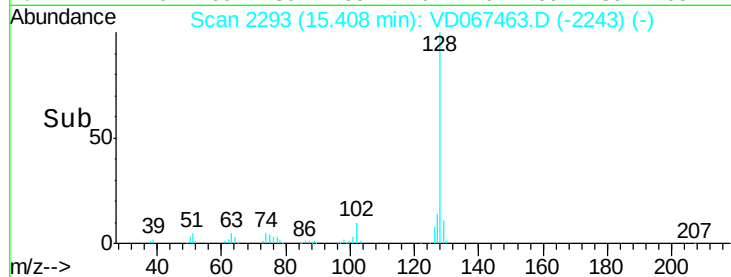
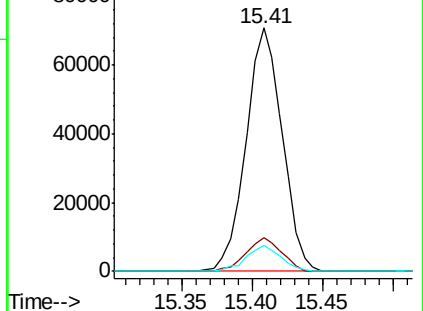
129 10.3 8.6 12.8



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: 20.594 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

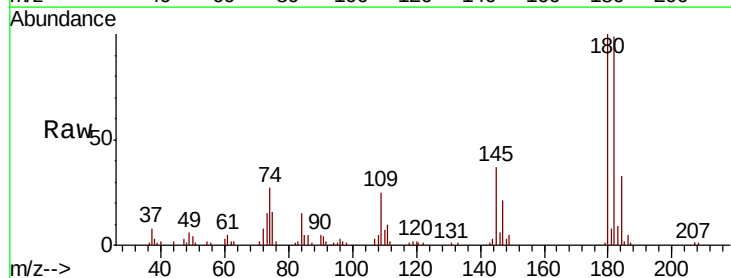
Tgt Ion:180 Resp: 68402

Ion Ratio Lower Upper

180 100

182 96.5 48.1 144.3

145 35.1 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

