

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067253.D
 Acq On : 13 Oct 2020 15:42
 Operator : VA/SY
 Sample : L4214-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014

Quant Time: Oct 14 03:19:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	338651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250201	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	180661	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
35) Dibromofluoromethane	7.92	113	184045	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	10.34	98	655475	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.64	95	223671	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	10408	3.388	ug/l	98
3) Chloromethane	2.21	50	7885	3.700	ug/l	99
4) Vinyl Chloride	2.35	62	8075	3.453	ug/l	95
5) Bromomethane	2.77	94	6959	3.849	ug/l	90
6) Chloroethane	2.92	64	5371	3.688	ug/l	96
7) Trichlorofluoromethane	3.27	101	19406	3.296	ug/l	94
8) Diethyl Ether	3.71	74	4575	3.395	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	10896	3.483	ug/l #	87
10) Methyl Iodide	4.30	142	8533	2.957	ug/l	96
11) Tert butyl alcohol	5.18	59	9257	37.569	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	9935	3.555	ug/l	90
13) Acrolein	3.92	56	958	5.457	ug/l #	1
14) Allyl chloride	4.72	41	9954	3.110	ug/l #	88
15) Acrylonitrile	5.43	53	7044	15.667	ug/l	93
16) Acetone	4.16	43	8084	17.013	ug/l #	86
17) Carbon Disulfide	4.41	76	27082	3.399	ug/l #	95
18) Methyl Acetate	4.72	43	5177	4.777	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	17748	3.194	ug/l	94
20) Methylene Chloride	4.96	84	21049	5.875	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	10804	3.359	ug/l #	80
22) Diisopropyl ether	6.36	45	17630	3.015	ug/l	93
23) Vinyl Acetate	6.30	43	32651	9.816	ug/l	98
24) 1,1-Dichloroethane	6.27	63	16140	3.225	ug/l	97
25) 2-Butanone	7.21	43	10573	19.521	ug/l	91
26) 2,2-Dichloropropane	7.21	77	17280	3.350	ug/l	94
27) cis-1,2-Dichloroethene	7.21	96	11906	3.378	ug/l	97
28) Bromochloromethane	7.55	49	5299	3.104	ug/l #	86
29) Tetrahydrofuran	7.57	42	4928	16.368	ug/l	93
30) Chloroform	7.71	83	20170	3.373	ug/l	96
31) Cyclohexane	7.98	56	17994	4.605	ug/l #	61
32) 1,1,1-Trichloroethane	7.91	97	19444	3.314	ug/l	96
36) 1,1-Dichloropropene	8.12	75	14033	3.038	ug/l	98
37) Ethyl Acetate	7.30	43	4531	3.334	ug/l	97
38) Carbon Tetrachloride	8.10	117	18562	3.144	ug/l	88

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16529	3.423	ug/l	93
40) Benzene	8.36	78	40179	3.170	ug/l	96
41) Methacrylonitrile	7.52	41	1848	2.516	ug/l #	47
42) 1,2-Dichloroethane	8.43	62	12530	3.159	ug/l	97
43) Isopropyl Acetate	8.45	43	8230	3.052	ug/l	94
44) Trichloroethene	9.11	130	13279	3.273	ug/l	82
45) 1,2-Dichloropropane	9.39	63	9152	3.116	ug/l	100
46) Dibromomethane	9.48	93	5147	2.813	ug/l	97
47) Bromodichloromethane	9.67	83	14555	2.969	ug/l #	93
48) Methyl methacrylate	9.46	41	4087	3.118	ug/l	92
49) 1,4-Dioxane	9.45	88	619	32.136	ug/l #	53
51) 4-Methyl-2-Pentanone	10.23	43	18829	13.998	ug/l	100
52) Toluene	10.41	92	26437	3.063	ug/l	93
53) t-1,3-Dichloropropene	10.63	75	12424	2.885	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	15208	3.017	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	7842	3.143	ug/l #	89
56) Ethyl methacrylate	10.67	69	7147	2.762	ug/l	93
57) 1,3-Dichloropropane	10.95	76	11970	3.014	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	16307	12.282	ug/l	98
59) 2-Hexanone	10.99	43	12913	14.048	ug/l	99
60) Dibromochloromethane	11.15	129	11761	3.232	ug/l	91
61) 1,2-Dibromoethane	11.25	107	7400	3.008	ug/l	87
64) Tetrachloroethene	10.88	164	13170	3.582	ug/l	92
65) Chlorobenzene	11.67	112	29070	2.987	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	12053	3.116	ug/l	99
67) Ethyl Benzene	11.75	91	49200	2.949	ug/l	97
68) m/p-Xylenes	11.86	106	36753	5.721	ug/l	99
69) o-Xylene	12.19	106	15767	2.650	ug/l	93
70) Styrene	12.20	104	27539	2.689	ug/l	97
71) Bromoform	12.37	173	6094	2.933	ug/l #	88
73) Isopropylbenzene	12.49	105	43615	2.747	ug/l	94
74) N-amyl acetate	12.29	43	7229	3.014	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	8397	3.451	ug/l	90
76) 1,2,3-Trichloropropane	12.79	75	10380	5.986	ug/l #	100
77) Bromobenzene	12.77	156	13050	3.296	ug/l	98
78) n-propylbenzene	12.83	91	57043	3.100	ug/l	100
79) 2-Chlorotoluene	12.91	91	34060	3.192	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	39614	2.871	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.64	75	117257	153.336	ug/l #	10
82) 4-Chlorotoluene	13.01	91	34830	3.076	ug/l	99
83) tert-Butylbenzene	13.23	119	33097	2.839	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	39315	2.883	ug/l	99
85) sec-Butylbenzene	13.41	105	45766	2.861	ug/l	98
86) p-Isopropyltoluene	13.52	119	41715	2.763	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	25272	3.317	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	24685	3.270	ug/l	87
89) n-Butylbenzene	13.85	91	40096	3.019	ug/l	97
90) Hexachloroethane	14.12	117	8190	3.109	ug/l	87
91) 1,2-Dichlorobenzene	13.90	146	21400	3.215	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1413	3.197	ug/l	88

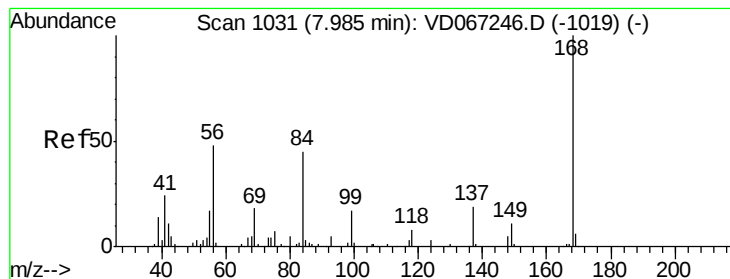
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101320\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	13756	3.065	ug/l	97
94) Hexachlorobutadiene	15.28	225	9410	3.376	ug/l	96
95) Naphthalene	15.41	128	20727	2.813	ug/l	95
96) 1,2,3-Trichlorobenzene	15.61	180	12289	3.169	ug/l	96

(#) = 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: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

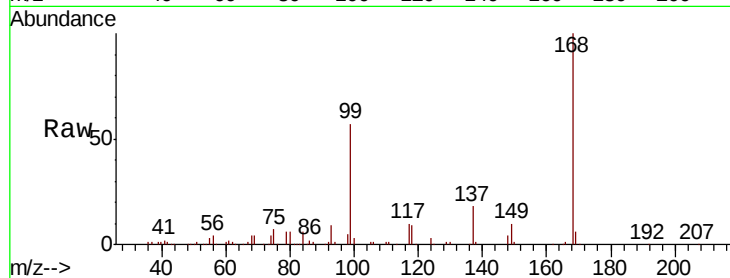
VD1014

Tot Ion:168 Resp: 338651

Ion Ratio Lower Upper

168 100

99 56.8 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

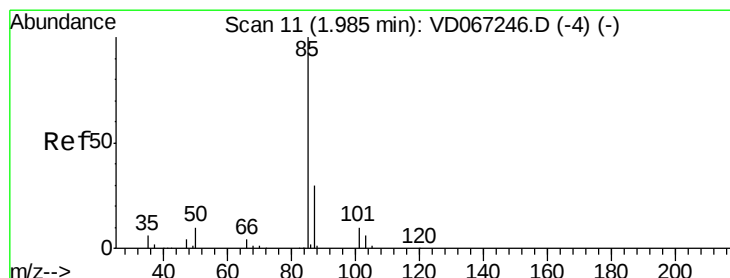
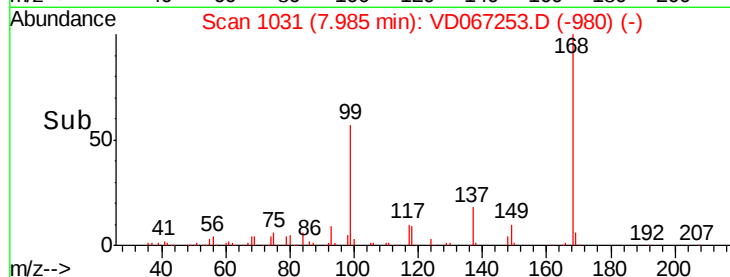
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 3.388 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067253.D

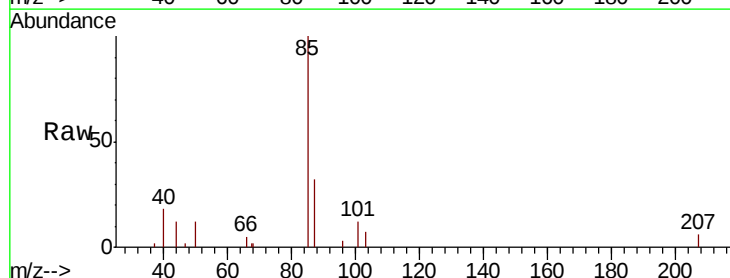
Acq: 13 Oct 2020 15:42

Tgt Ion: 85 Resp: 10408

Ion Ratio Lower Upper

85 100

87 31.7 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

8000

6000

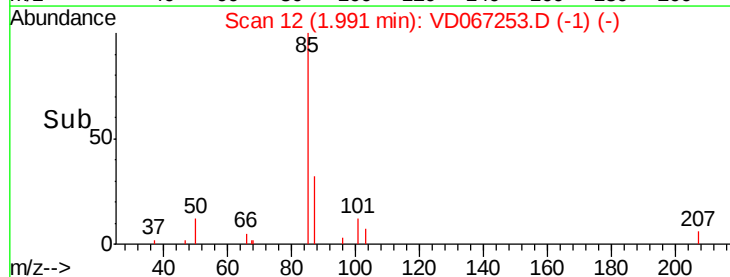
4000

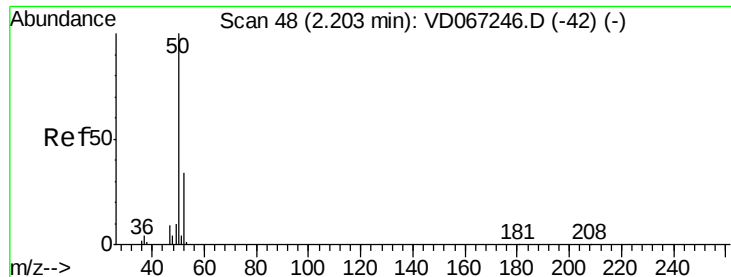
2000

0

Time-->

1.95 2.00 2.05





#3

Chloromethane

Concen: 3.700 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

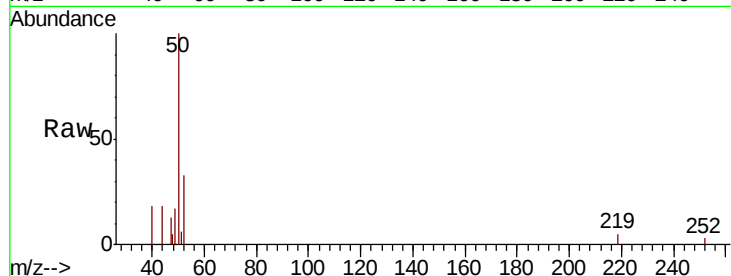
VD1014

Tot Ion: 50 Resp: 7885

Ion Ratio Lower Upper

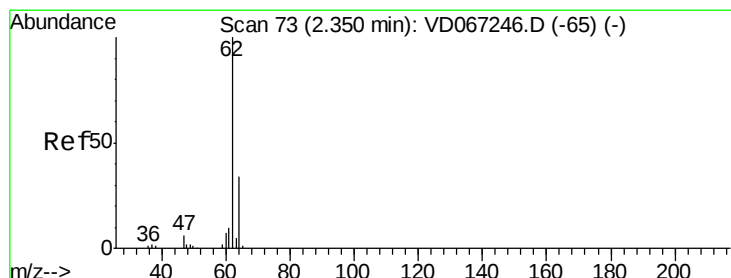
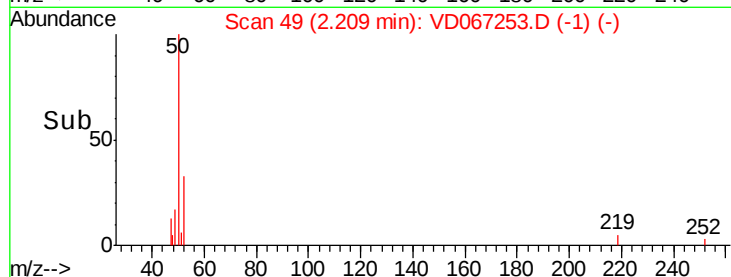
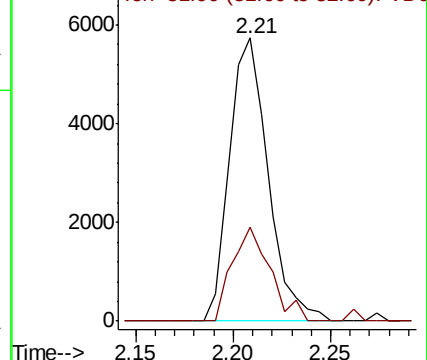
50 100

52 33.4 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: 3.453 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067253.D

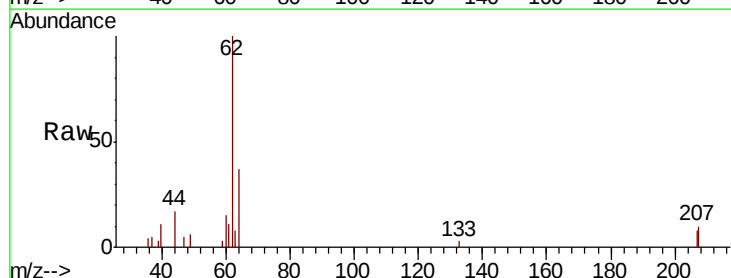
Acq: 13 Oct 2020 15:42

Tgt Ion: 62 Resp: 8075

Ion Ratio Lower Upper

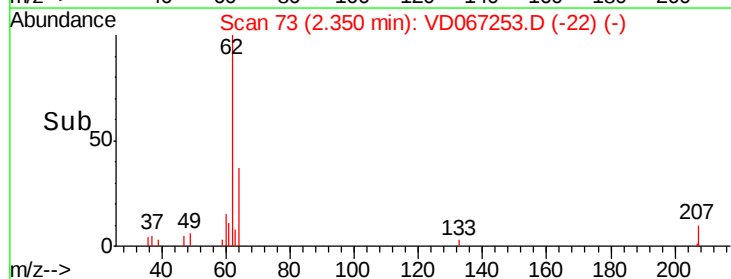
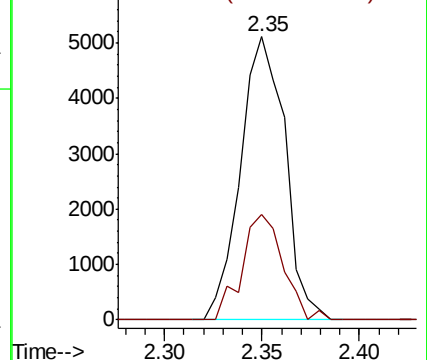
62 100

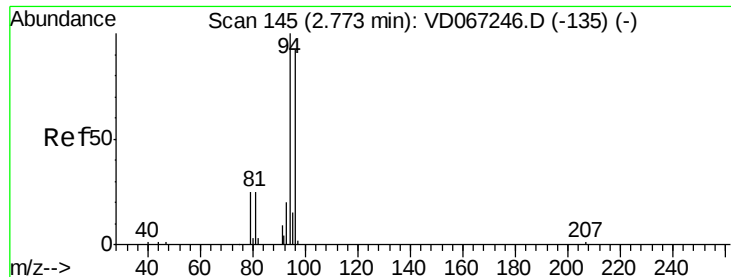
64 37.2 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 3.849 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

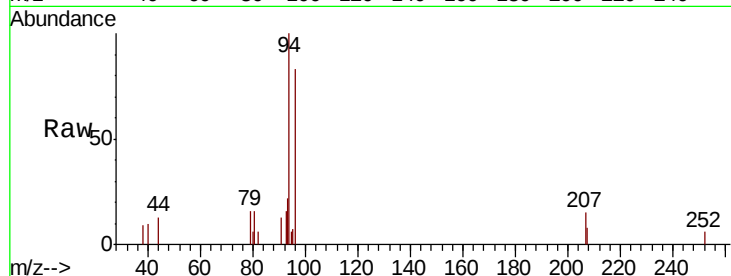
VD1014

Tot Ion: 94 Resp: 6959

Ion Ratio Lower Upper

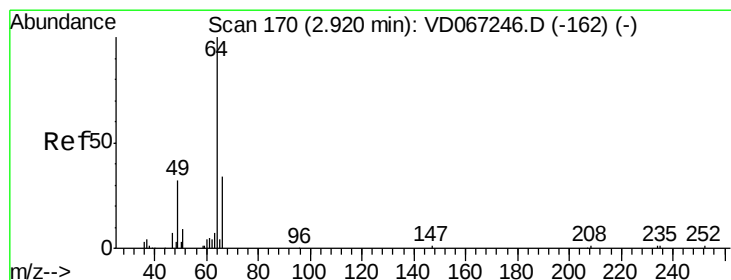
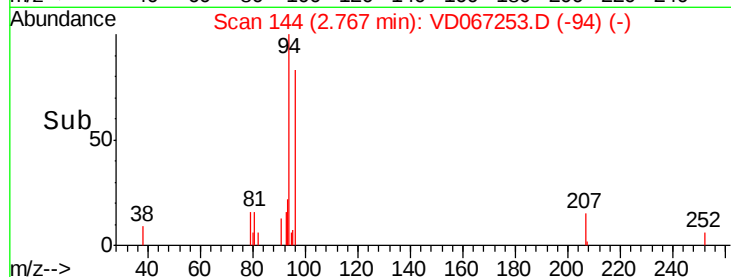
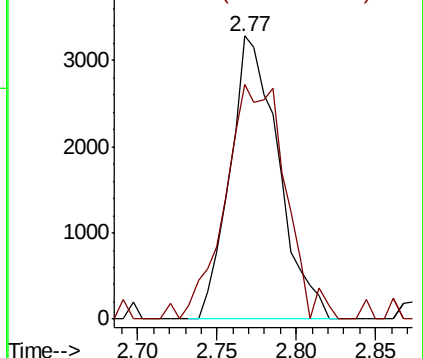
94 100

96 83.1 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 3.688 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067253.D

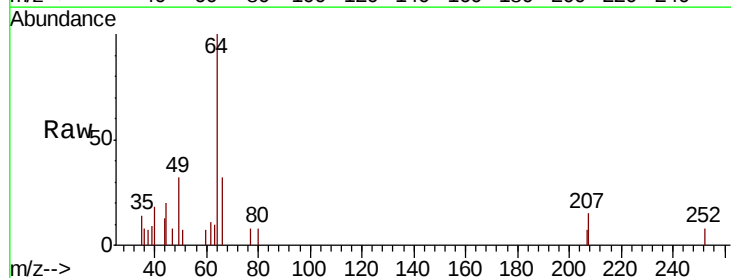
Acq: 13 Oct 2020 15:42

Tgt Ion: 64 Resp: 5371

Ion Ratio Lower Upper

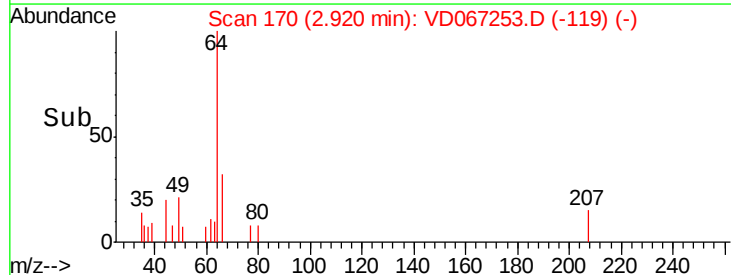
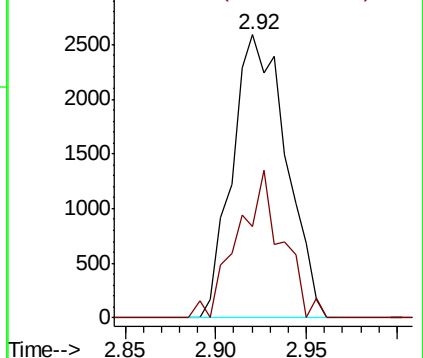
64 100

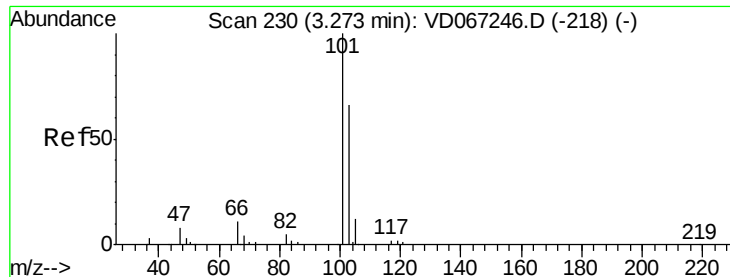
66 32.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 3.296 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

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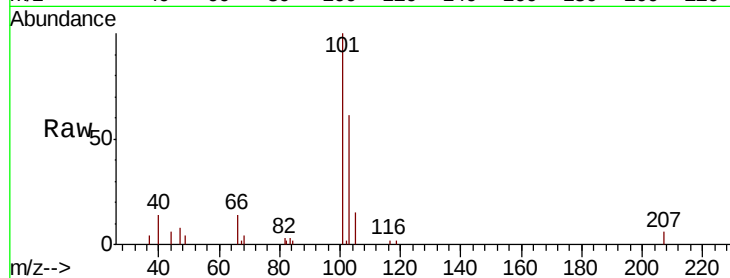
VD1014

Tot Ion:101 Resp: 19406

Ion Ratio Lower Upper

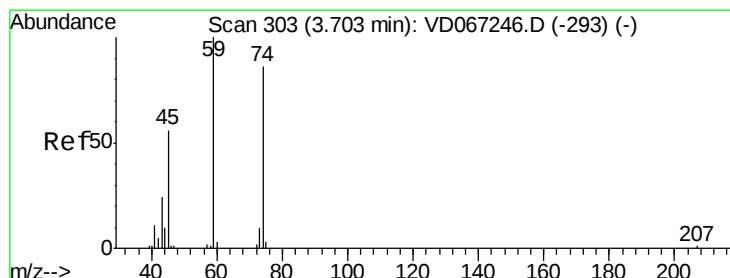
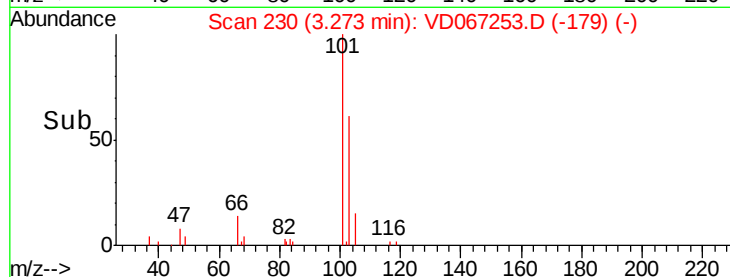
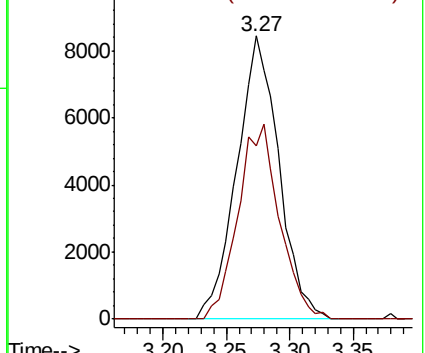
101 100

103 61.4 53.1 79.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 3.395 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD067253.D

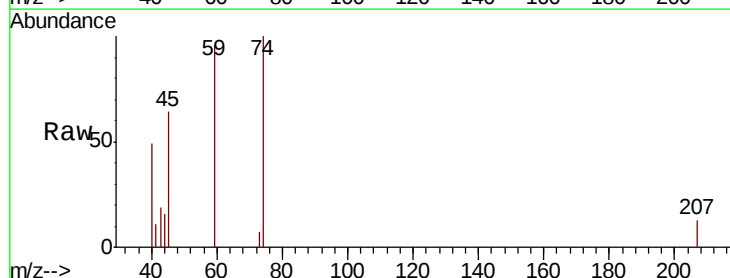
Acq: 13 Oct 2020 15:42

Tgt Ion: 74 Resp: 4575

Ion Ratio Lower Upper

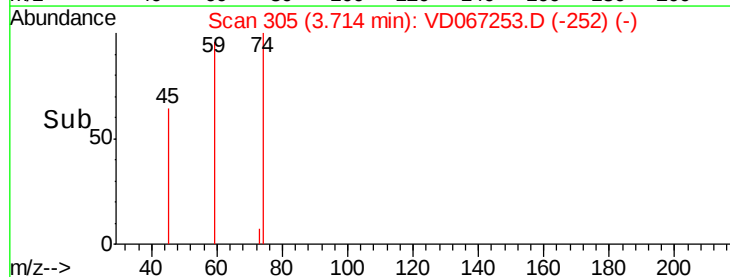
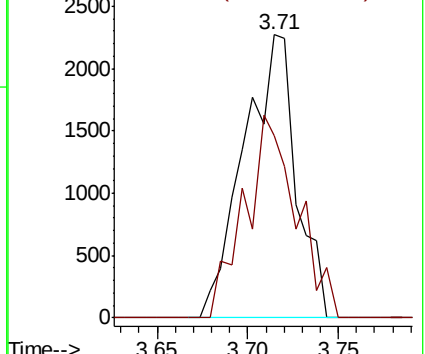
74 100

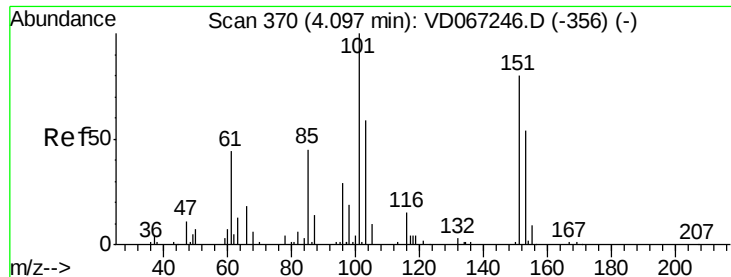
45 71.1 37.0 111.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.483 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampled :

VD1014

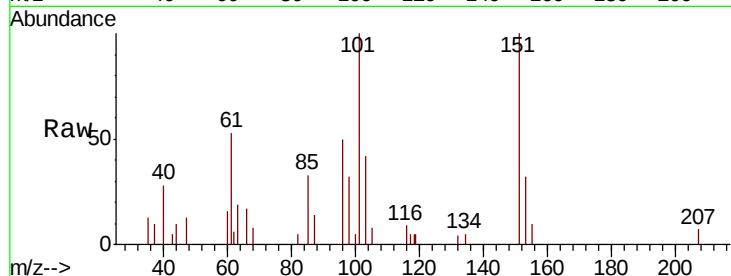
Tot Ion:101 Resp: 10896

Ion Ratio Lower Upper

101 100

85 22.5 34.2 51.4#

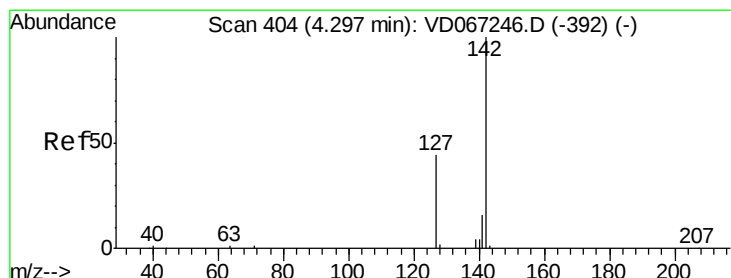
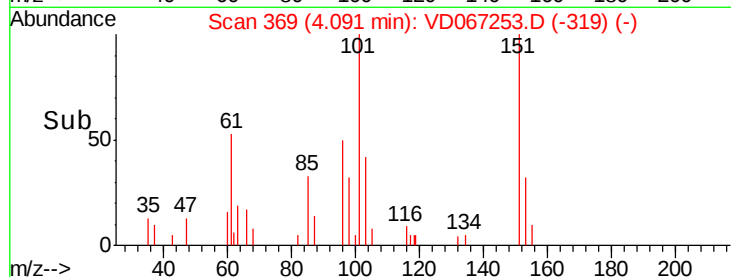
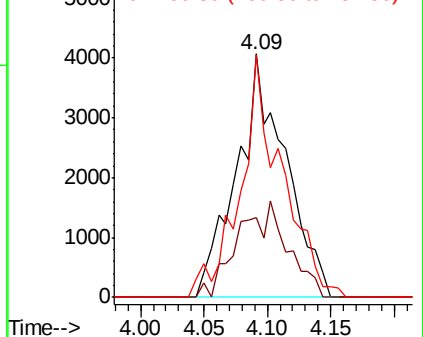
151 85.2 66.3 99.5



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: 2.957 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

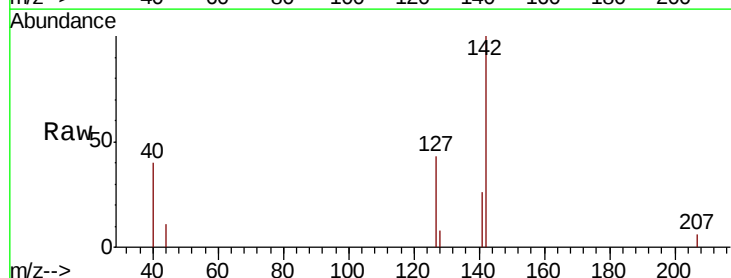
Tgt Ion:142 Resp: 8533

Ion Ratio Lower Upper

142 100

127 45.7 38.4 57.6

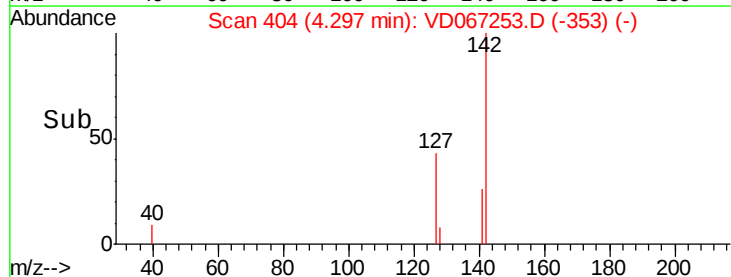
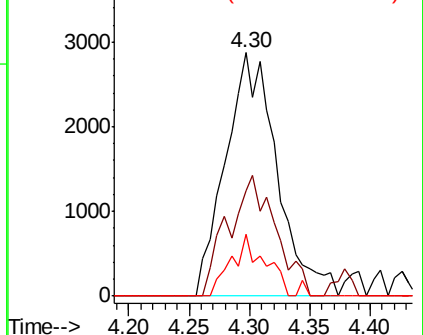
141 16.5 11.6 17.4

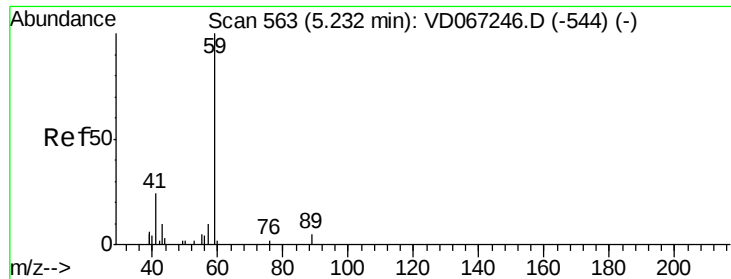


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

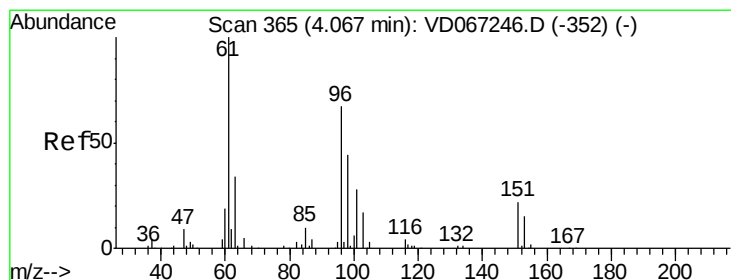
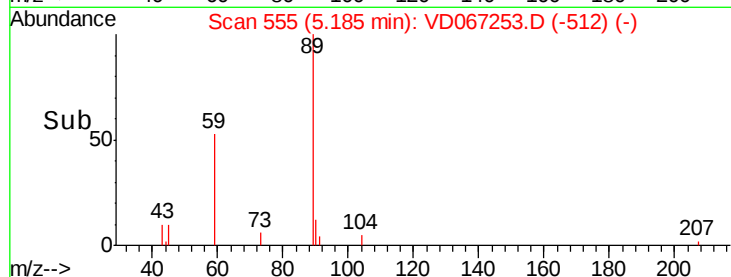
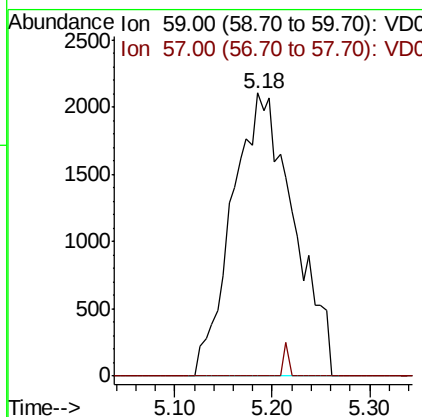
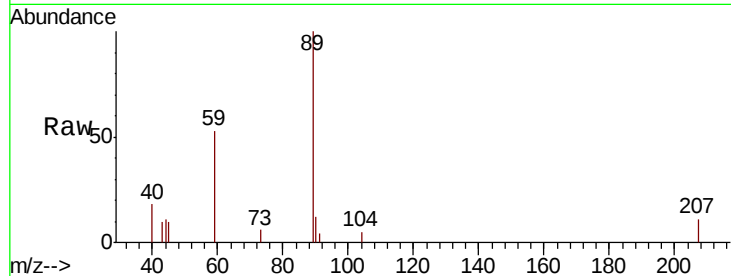




#11
Tert butyl alcohol
Concen: 37.569 ug/l
RT: 5.18 min Scan# 555
Delta R.T. -0.05 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

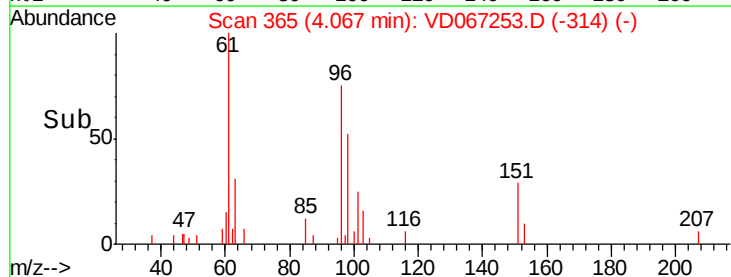
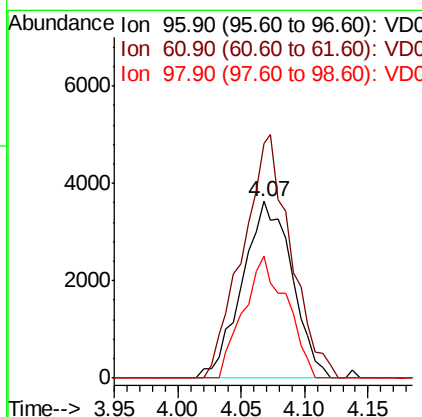
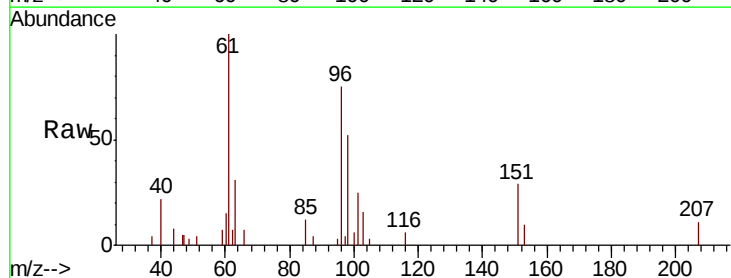
Instrument :
MSVOA_D
ClientSampleId :
VD1014

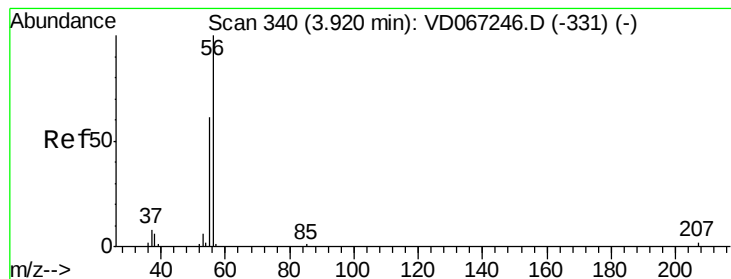
Tot Ion: 59 Resp: 9257
Ion Ratio Lower Upper
59 100
57 0.0 5.1 7.7#



#12
1,1-Dichloroethene
Concen: 3.555 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 96 Resp: 9935
Ion Ratio Lower Upper
96 100
61 132.9 118.6 177.8
98 69.2 51.8 77.6





#13

Acrolein

Concen: 5.457 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampled :

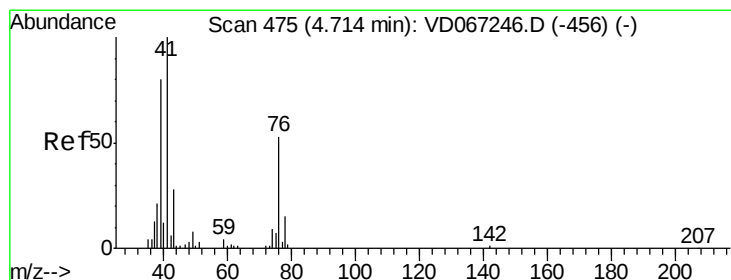
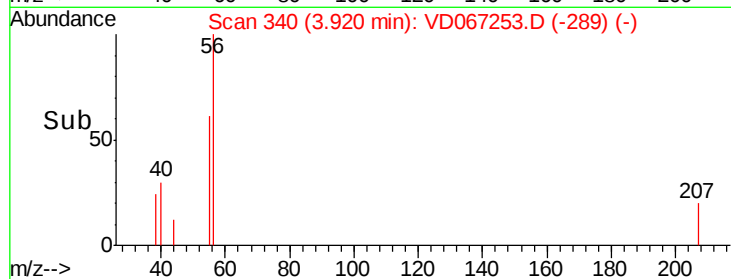
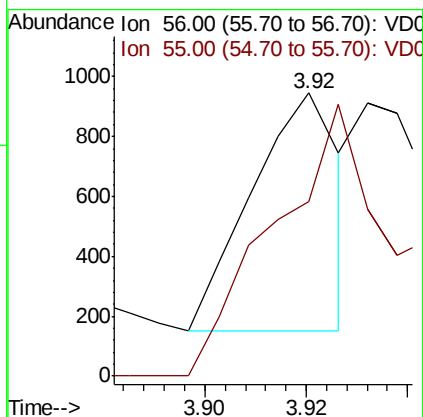
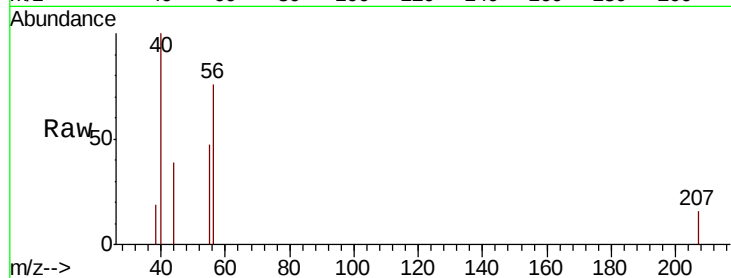
VD1014

Tot Ion: 56 Resp: 958

Ion Ratio Lower Upper

56 100

55 162.3 56.0 84.0#



#14

Allyl chloride

Concen: 3.110 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

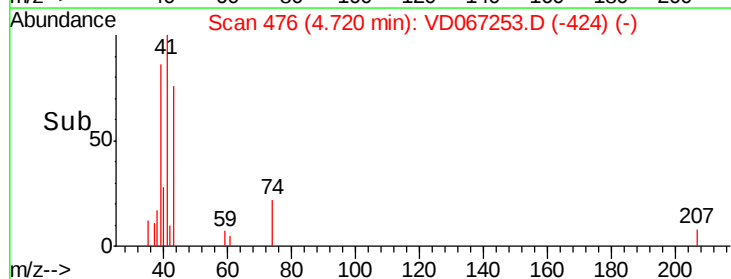
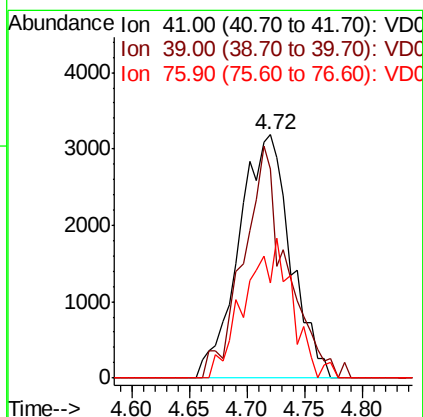
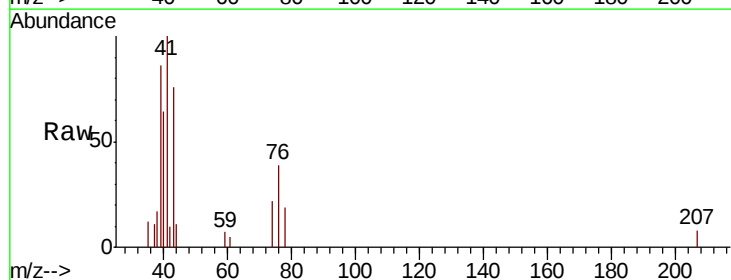
Tgt Ion: 41 Resp: 9954

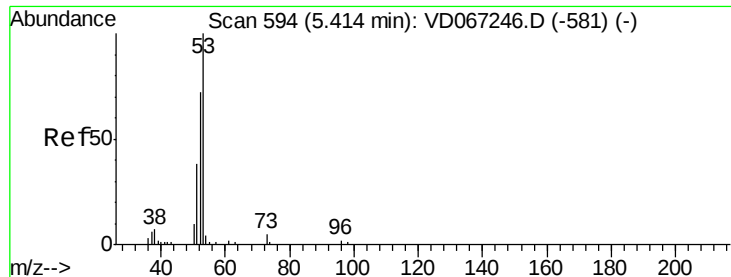
Ion Ratio Lower Upper

41 100

39 80.1 63.8 95.6

76 29.6 40.4 60.6#





#15

Acrylonitrile

Concen: 15.667 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.02 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleID :

VD1014

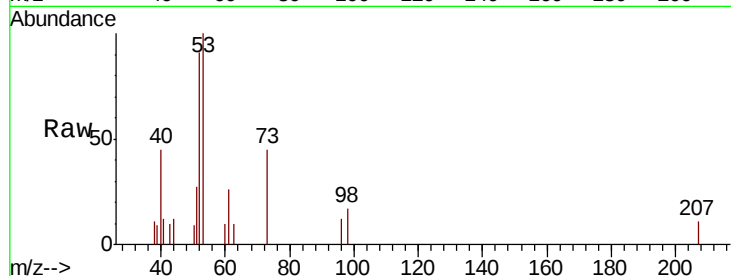
Tot Ion: 53 Resp: 7044

Ion Ratio Lower Upper

53 100

52 86.9 65.6 98.4

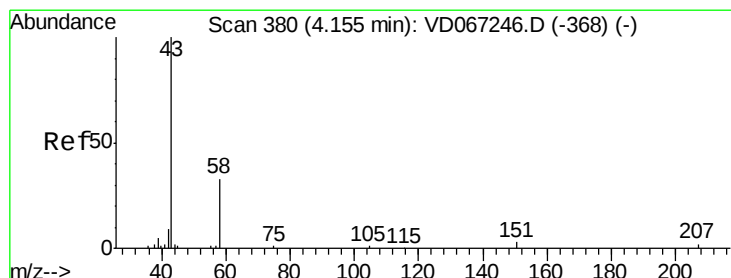
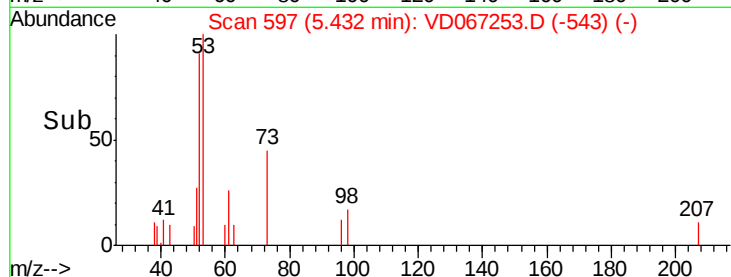
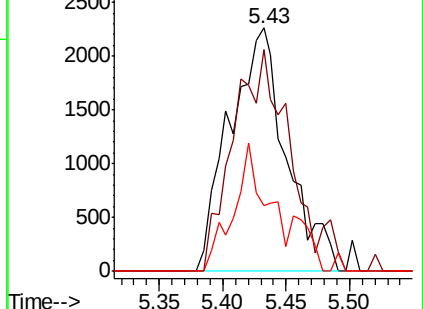
51 31.4 30.8 46.2



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: 17.013 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067253.D

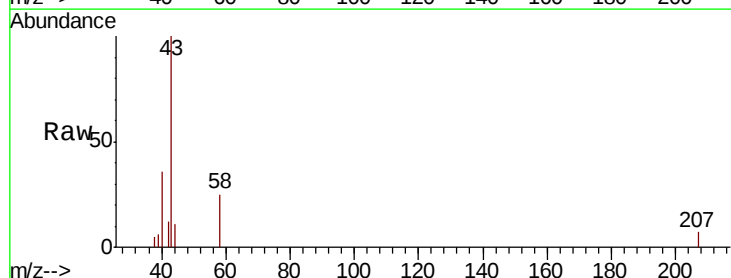
Acq: 13 Oct 2020 15:42

Tgt Ion: 43 Resp: 8084

Ion Ratio Lower Upper

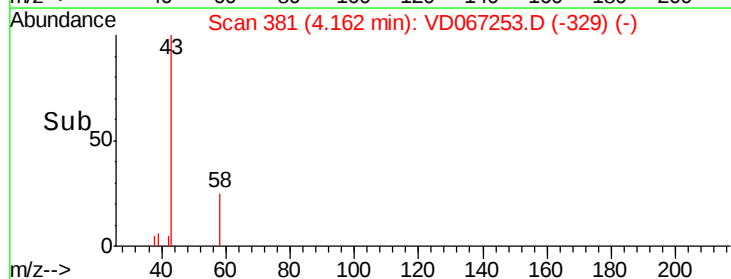
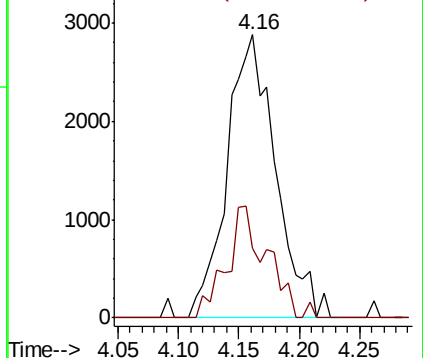
43 100

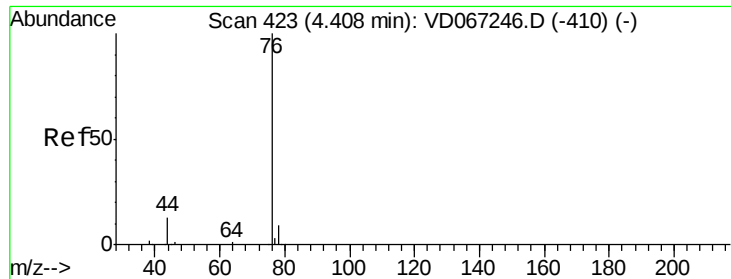
58 24.7 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 3.399 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

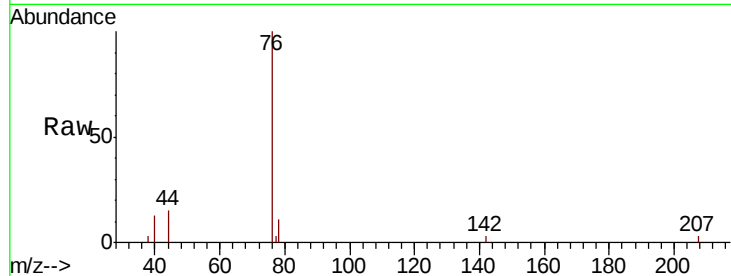
VD1014

Tot Ion: 76 Resp: 27082

Ion Ratio Lower Upper

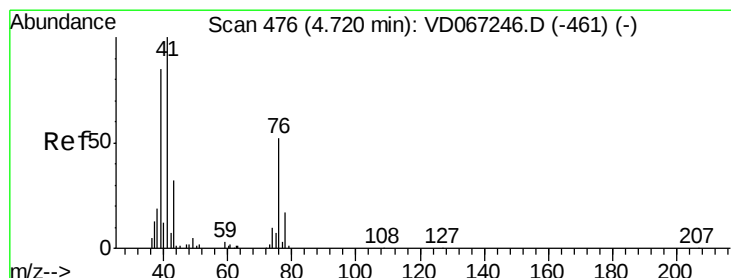
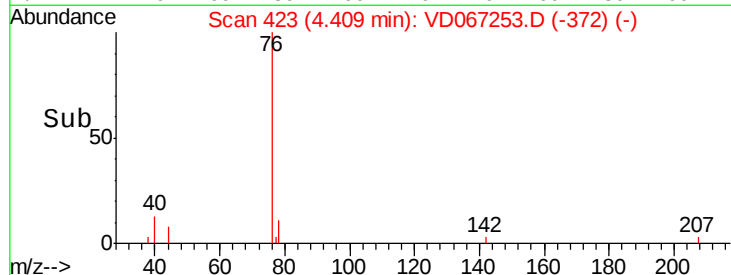
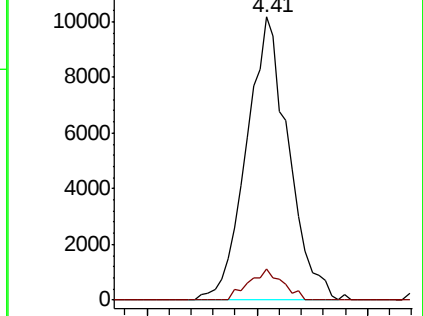
76 100

78 11.1 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: 4.777 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067253.D

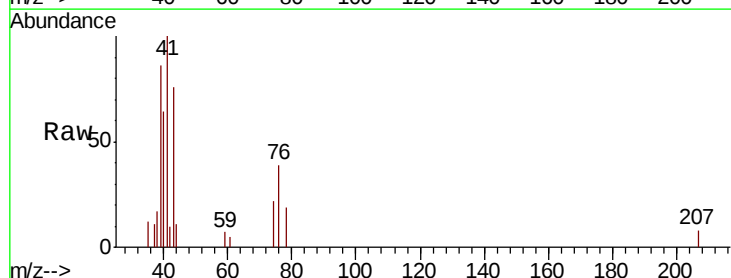
Acq: 13 Oct 2020 15:42

Tgt Ion: 43 Resp: 5177

Ion Ratio Lower Upper

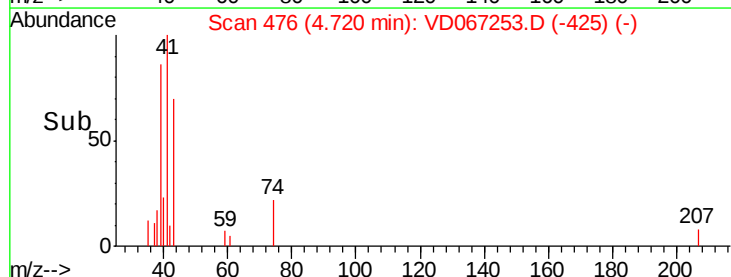
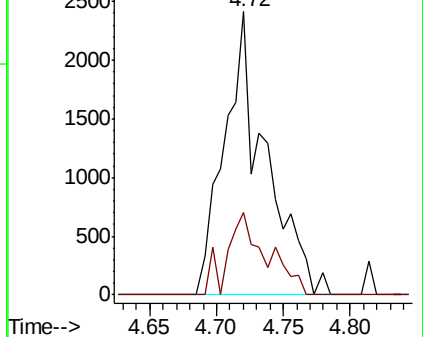
43 100

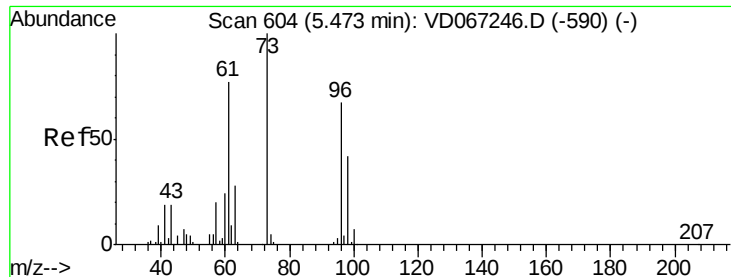
74 28.0 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

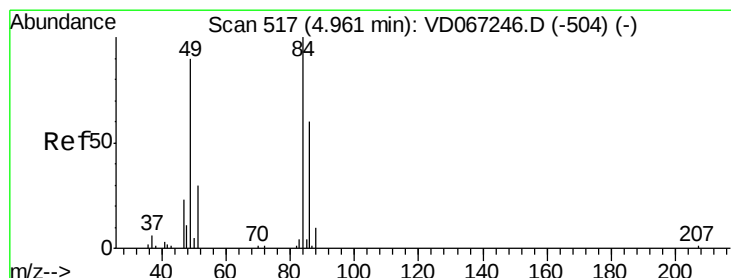
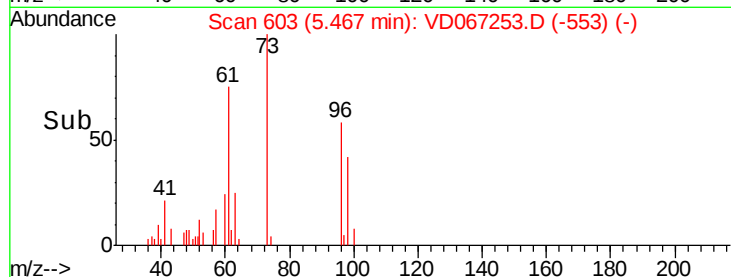
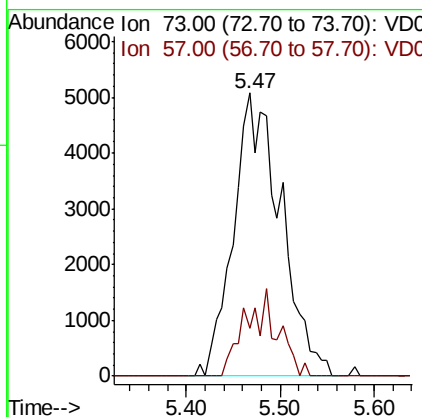
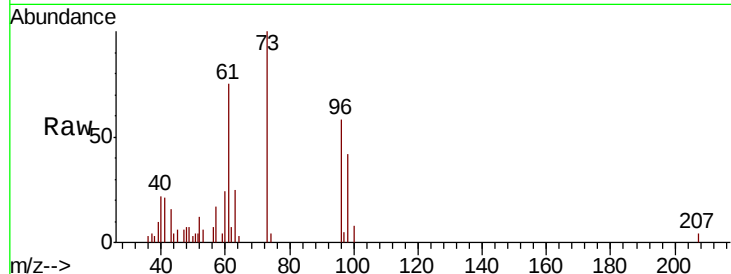




#19
Methyl tert-butyl Ether
Concen: 3.194 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

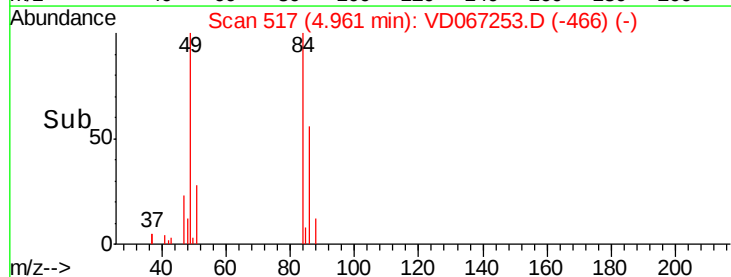
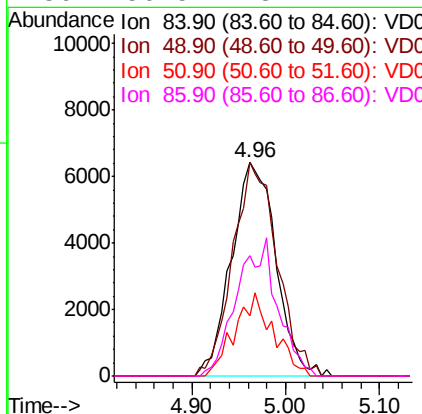
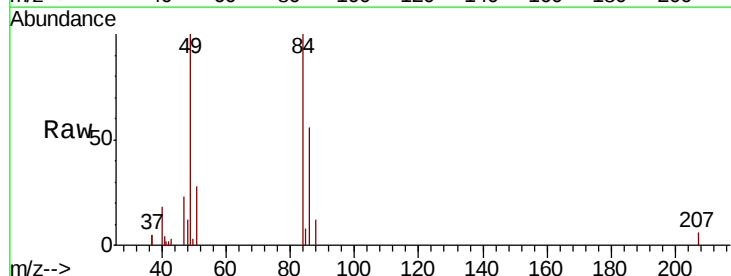
Instrument :
MSVOA_D
ClientSampleId :
VD1014

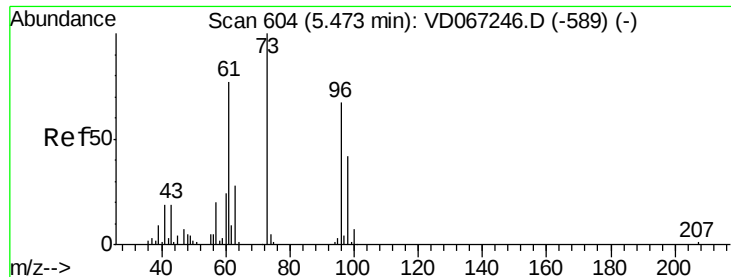
Tot Ion: 73 Resp: 17748
Ion Ratio Lower Upper
73 100
57 16.9 15.7 23.5



#20
Methylene Chloride
Concen: 5.875 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 84 Resp: 21049
Ion Ratio Lower Upper
84 100
49 100.1 72.2 108.2
51 28.2 23.8 35.8
86 56.5 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 3.359 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

VD1014

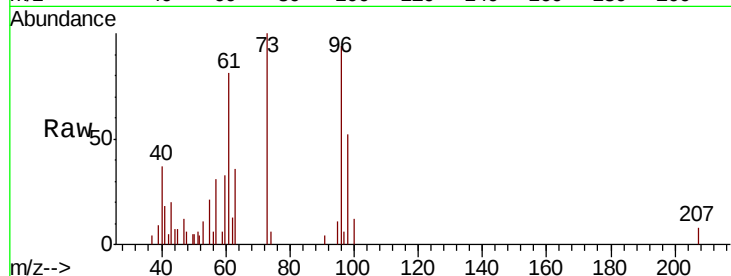
Tot Ion: 96 Resp: 10804

Ion Ratio Lower Upper

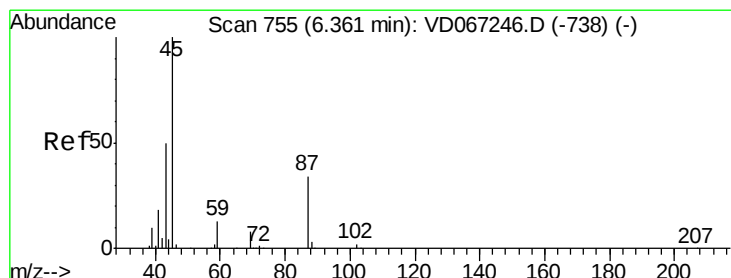
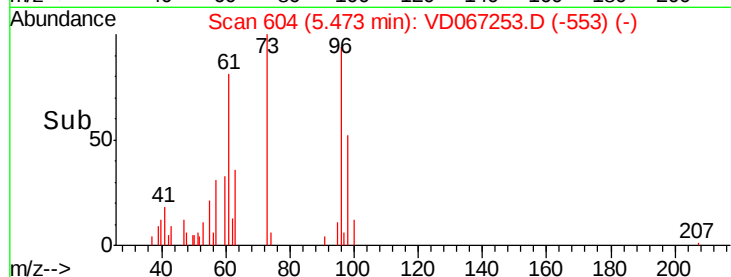
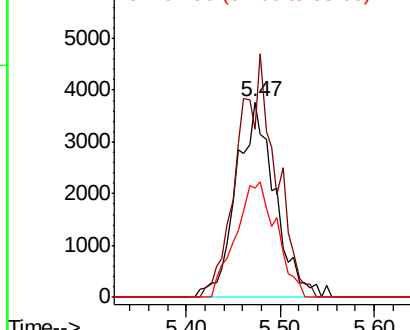
96 100

61 86.0 92.0 138.0#

98 55.7 49.8 74.8



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



#22

Diisopropyl ether

Concen: 3.015 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Tgt Ion: 45 Resp: 17630

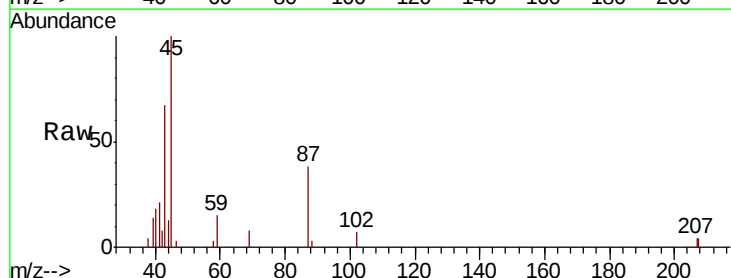
Ion Ratio Lower Upper

45 100

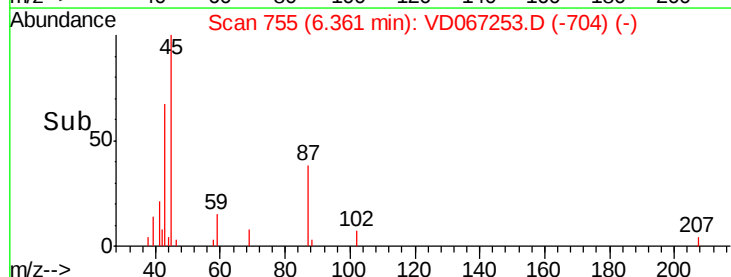
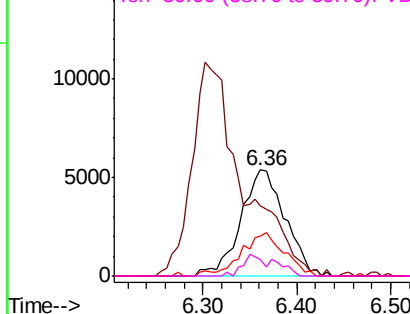
43 67.2 48.0 72.0

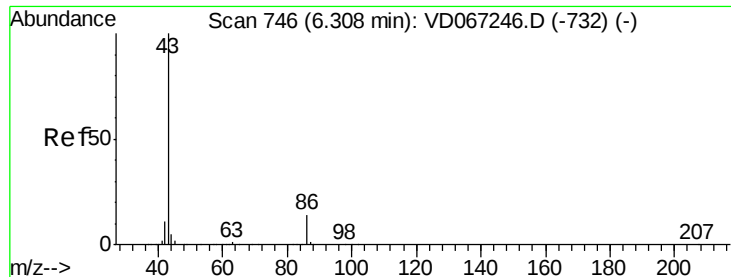
87 37.8 28.5 42.7

59 15.4 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 9.816 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleID :

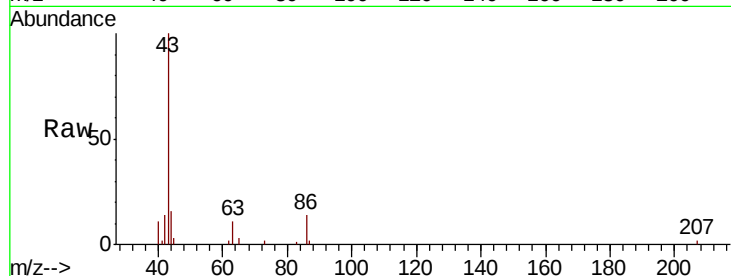
VD1014

Tot Ion: 43 Resp: 32651

Ion Ratio Lower Upper

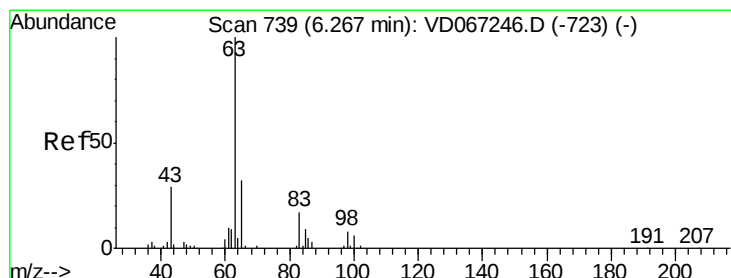
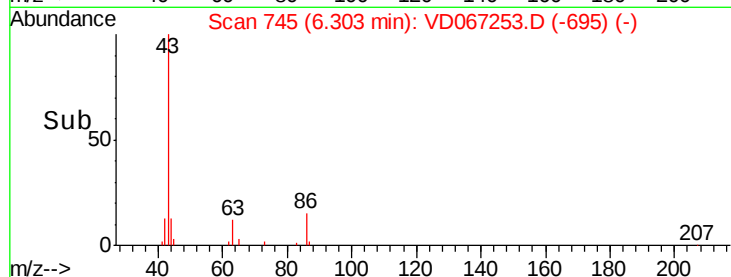
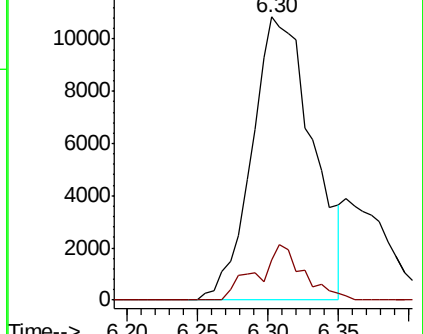
43 100

86 14.4 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: 3.225 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

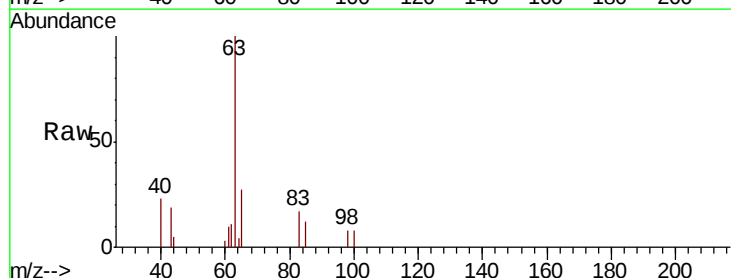
Tgt Ion: 63 Resp: 16140

Ion Ratio Lower Upper

63 100

98 8.4 4.0 12.2

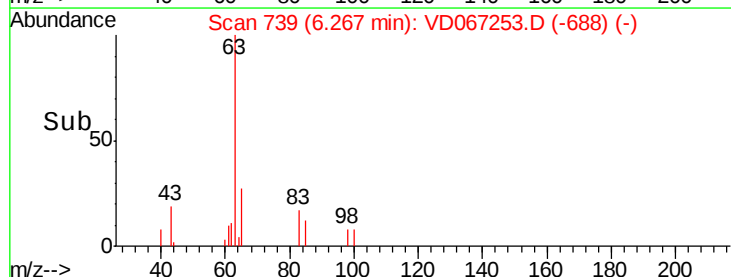
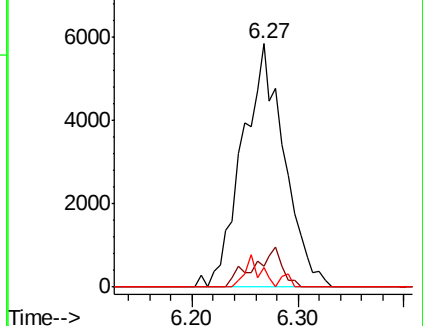
100 8.0 2.8 8.4

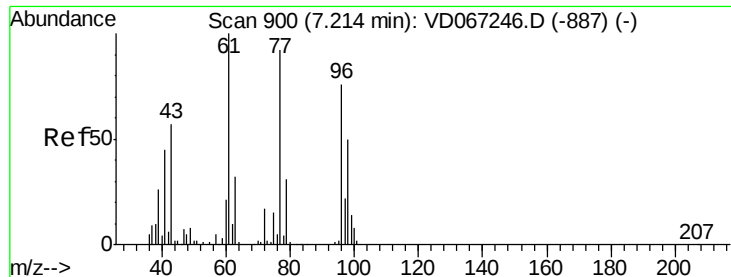


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 19.521 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

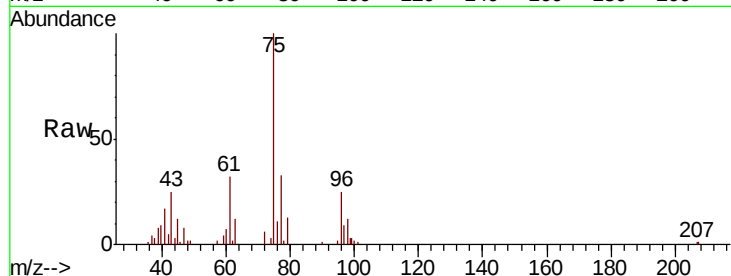
VD1014

Tot Ion: 43 Resp: 10573

Ion Ratio Lower Upper

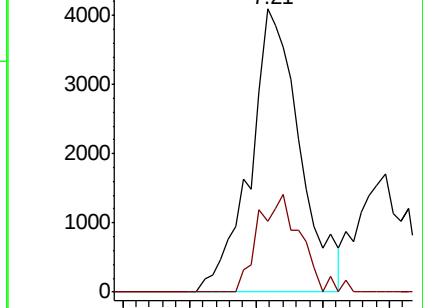
43 100

72 24.9 23.7 35.5

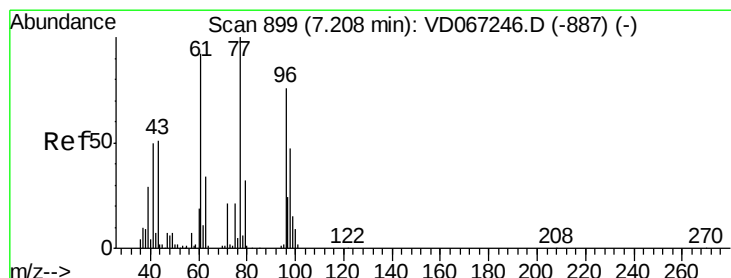
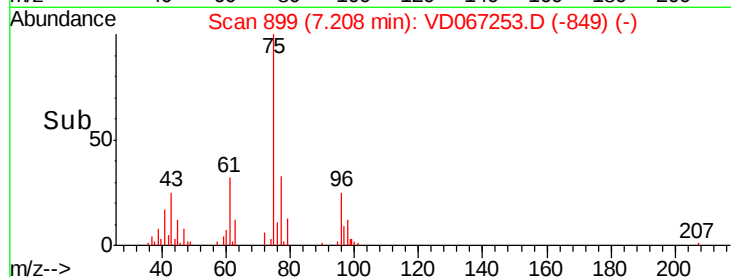


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 3.350 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067253.D

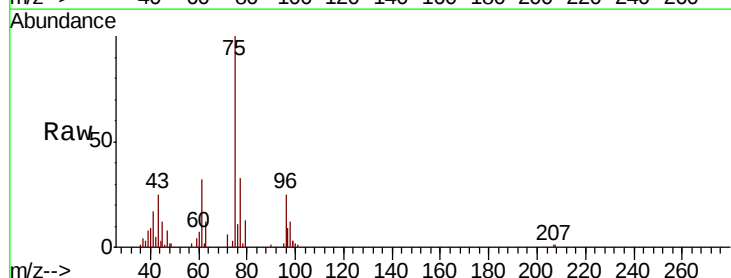
Acq: 13 Oct 2020 15:42

Tgt Ion: 77 Resp: 17280

Ion Ratio Lower Upper

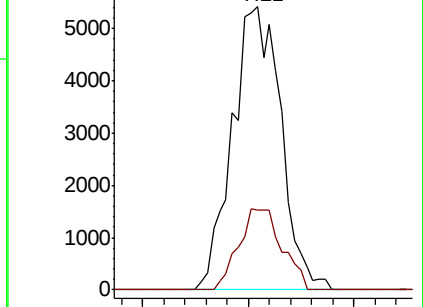
77 100

97 25.5 11.4 34.2

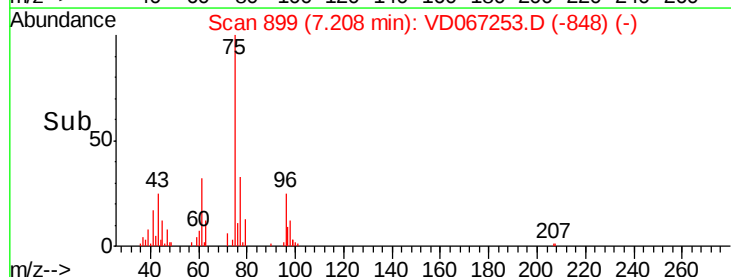


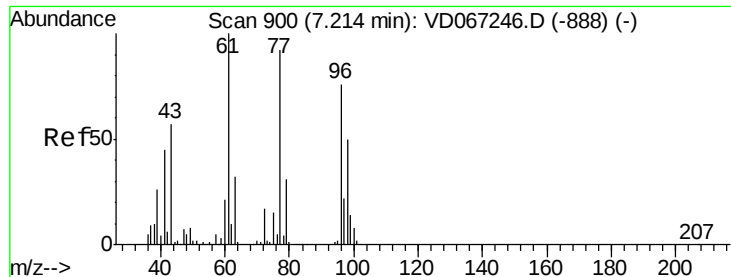
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->



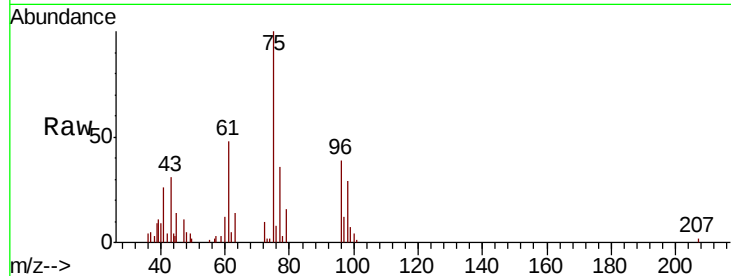


#27

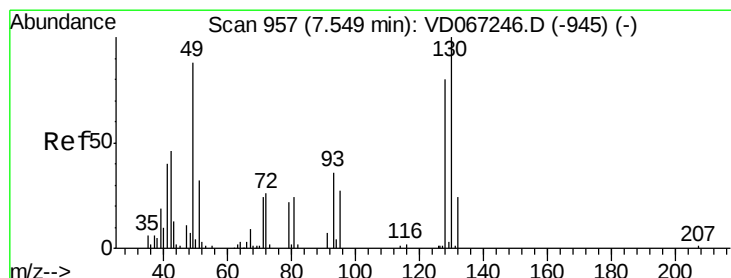
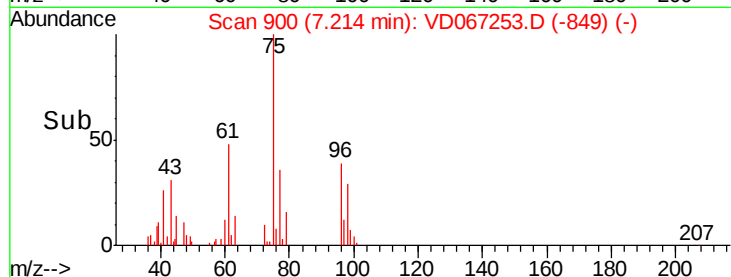
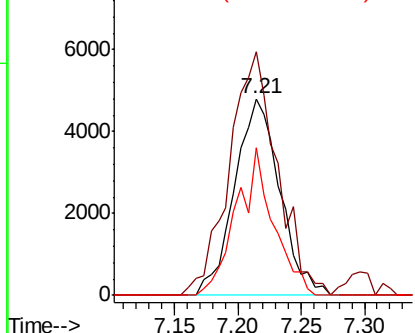
cis-1,2-Dichloroethene
Concen: 3.378 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :
VD1014

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	255.4
98	61.4	0.0	128.0



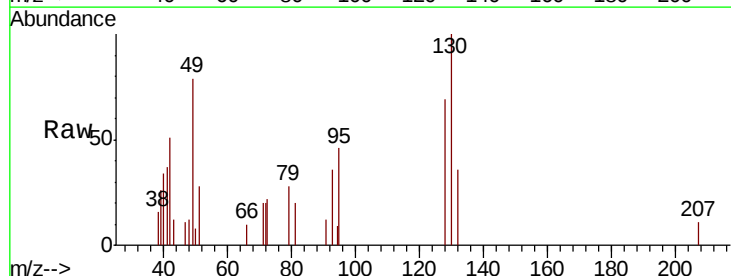
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



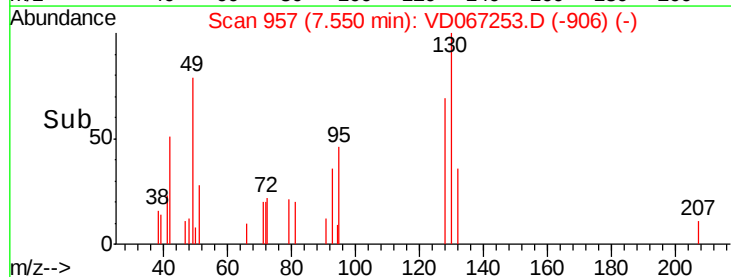
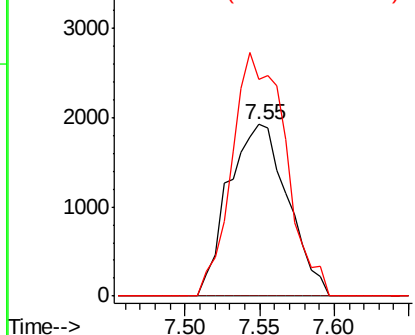
#28

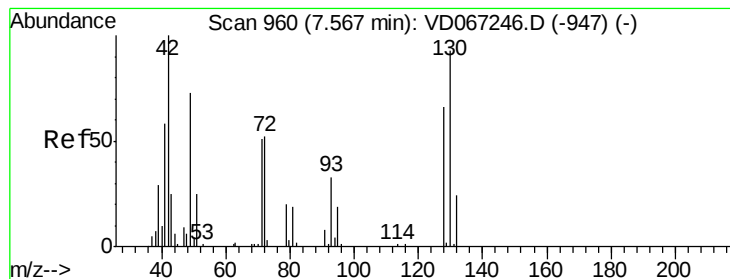
Bromochloromethane
Concen: 3.104 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.6
130	128.6	91.0	136.6



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





#29

Tetrahydrofuran

Concen: 16.368 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

VD1014

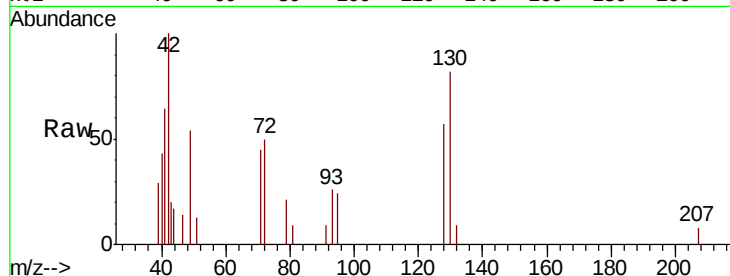
Tot Ion: 42 Resp: 4928

Ion Ratio Lower Upper

42 100

72 57.9 43.2 64.8

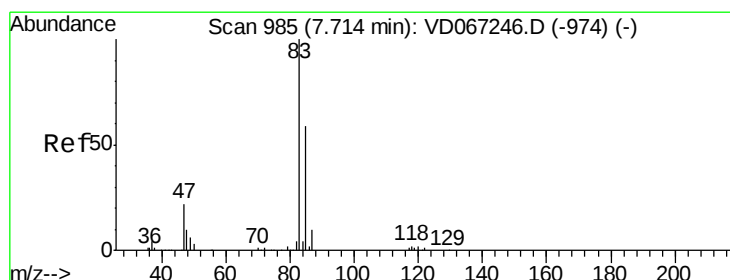
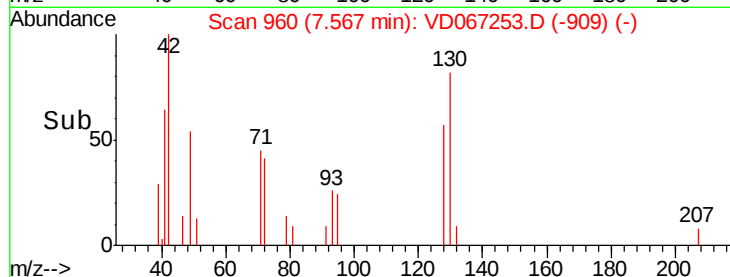
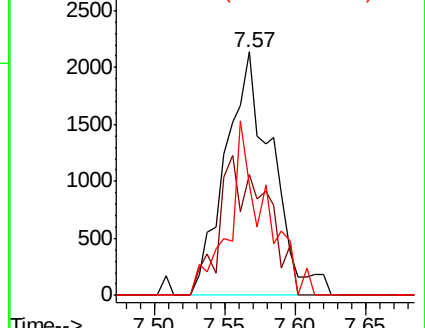
71 54.9 39.4 59.0



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: 3.373 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067253.D

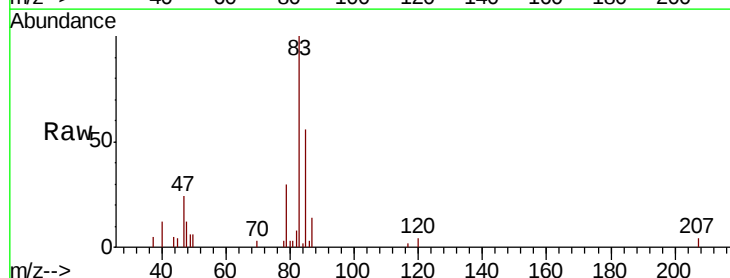
Acq: 13 Oct 2020 15:42

Tgt Ion: 83 Resp: 20170

Ion Ratio Lower Upper

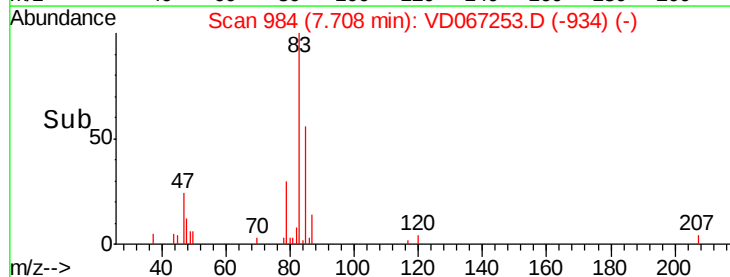
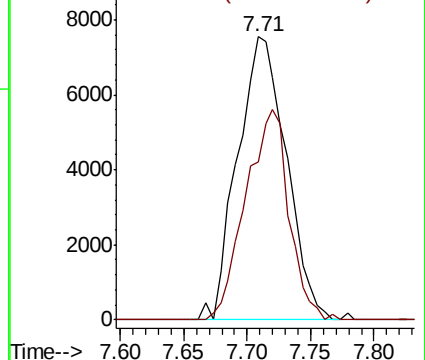
83 100

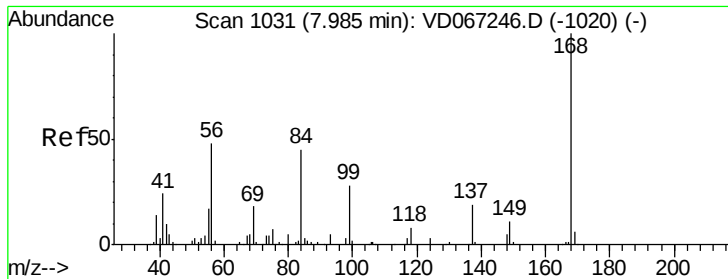
85 55.8 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

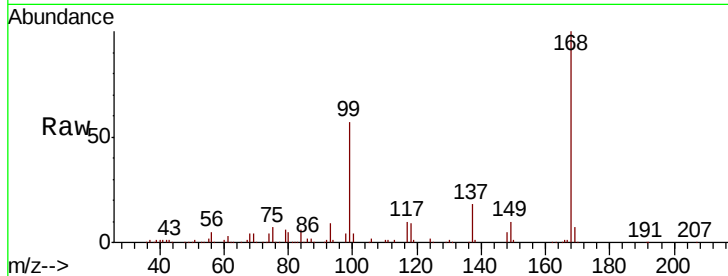




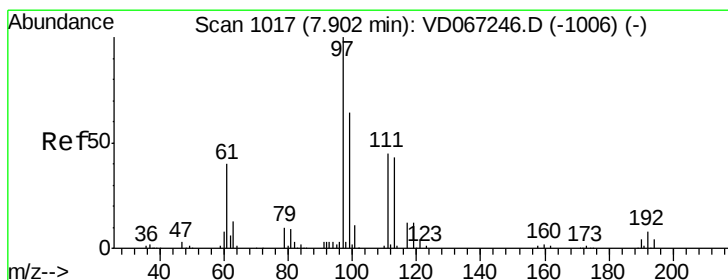
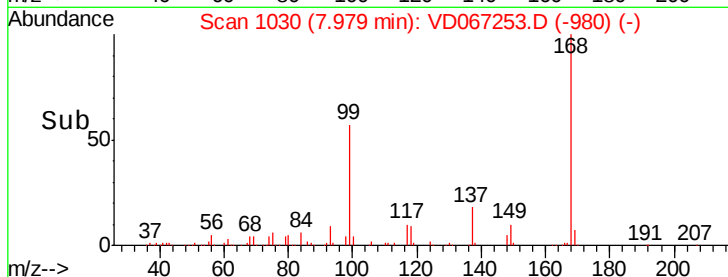
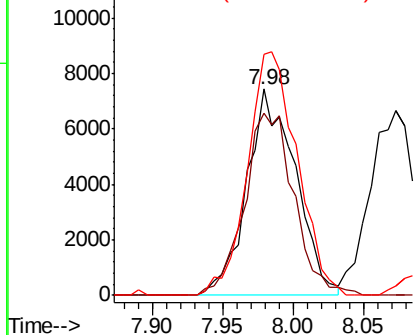
#31
Cyclohexane
Concen: 4.605 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Instrument :
MSVOA_D
ClientSampled :
VD1014

Tot Ion: 56 Resp: 17994
Ion Ratio Lower Upper
56 100
69 88.3 29.8 44.6#
84 116.6 76.6 114.8#

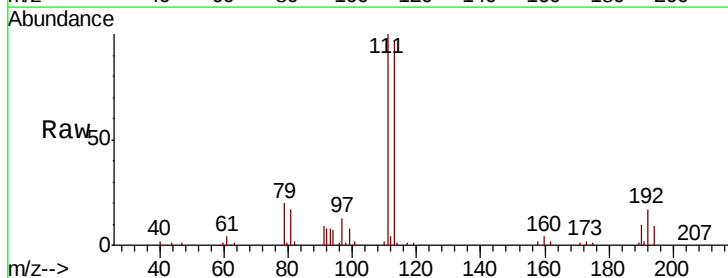


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

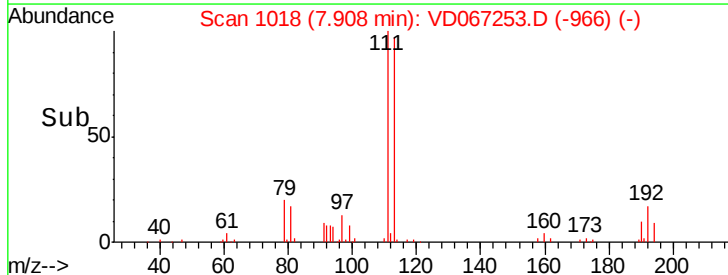
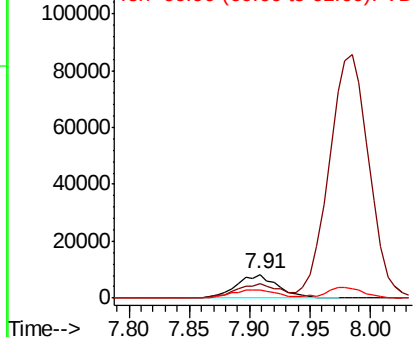


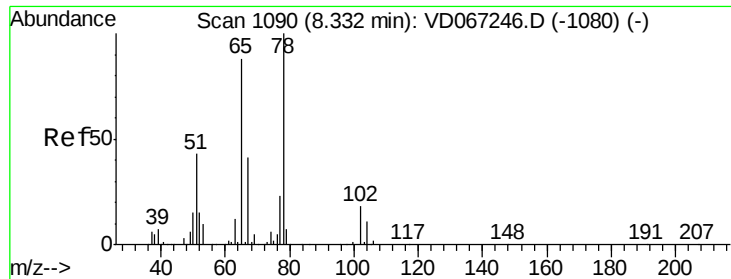
#32
1,1,1-Trichloroethane
Concen: 3.314 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 97 Resp: 19444
Ion Ratio Lower Upper
97 100
99 65.7 50.2 75.4
61 40.0 30.5 45.7



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

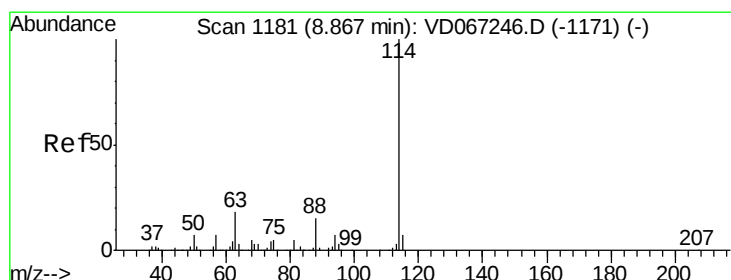
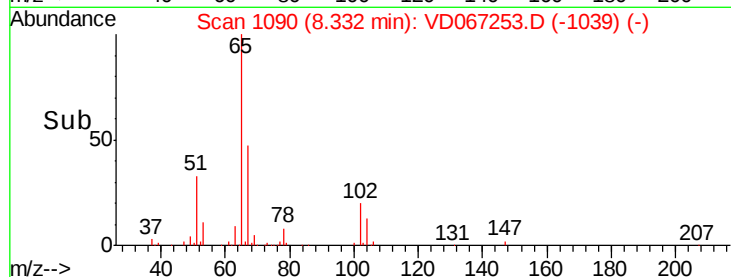
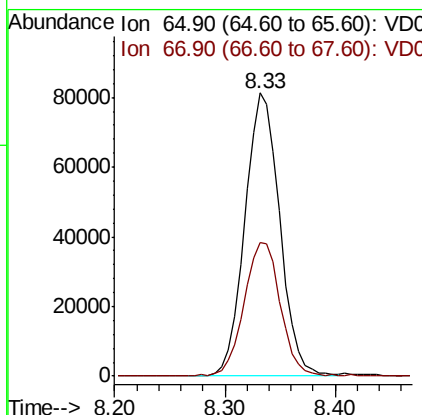
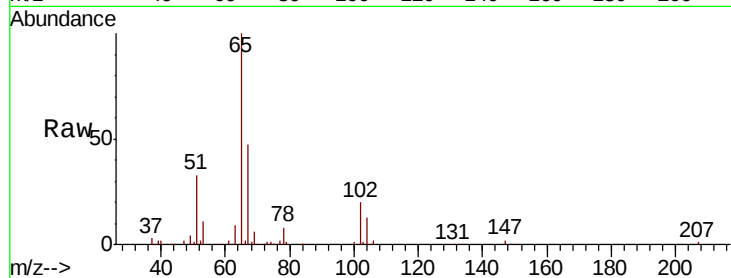




#33
 1,2-Dichloroethane-d4
 Concen: 53.249 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

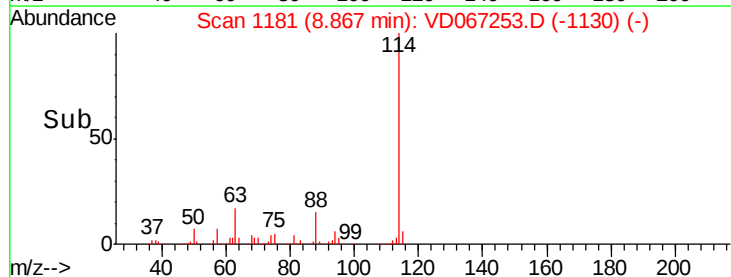
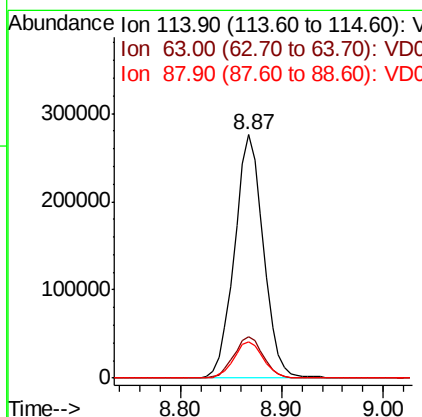
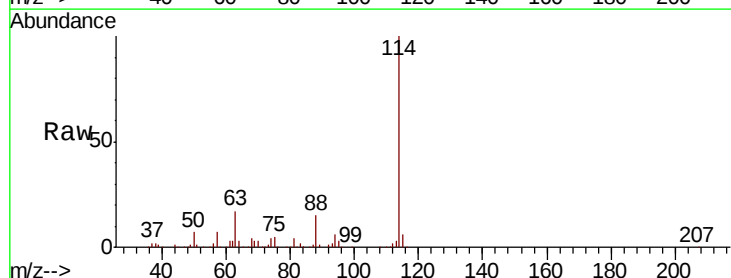
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014

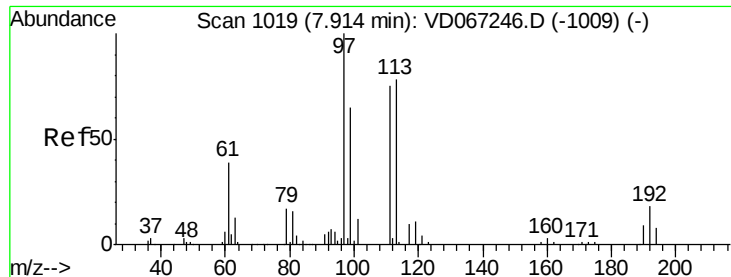
Tot Ion: 65 Resp: 180661
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

Tgt Ion: 114 Resp: 545043
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 35.0
 88 14.9 0.0 30.6

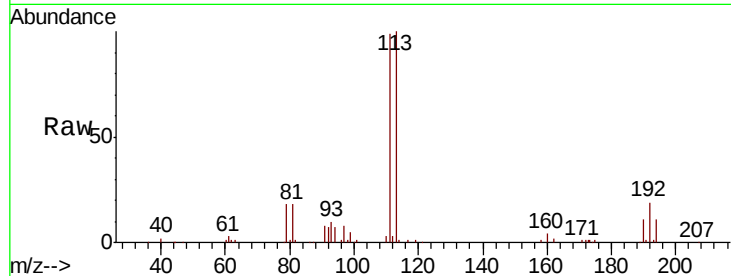




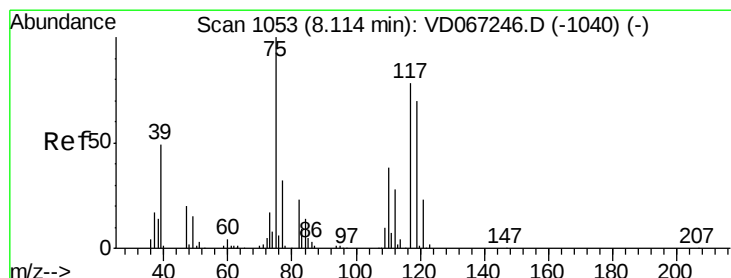
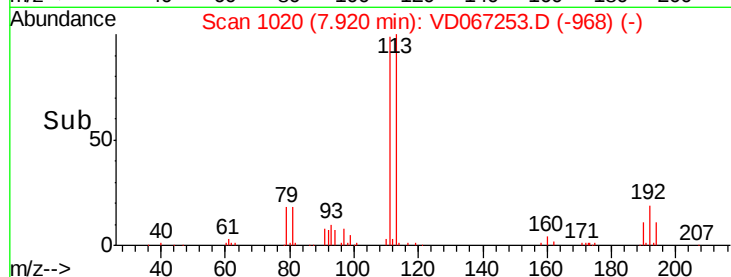
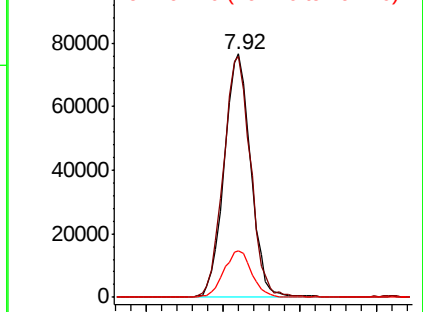
#35
 Dibromofluoromethane
 Concen: 50.739 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014

Tot Ion:113 Resp: 184045
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.6 122.4
 192 19.9 17.0 25.4

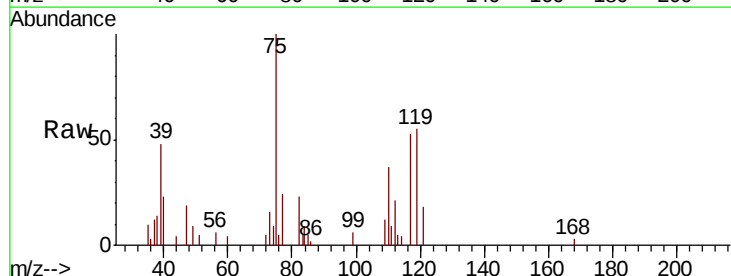


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

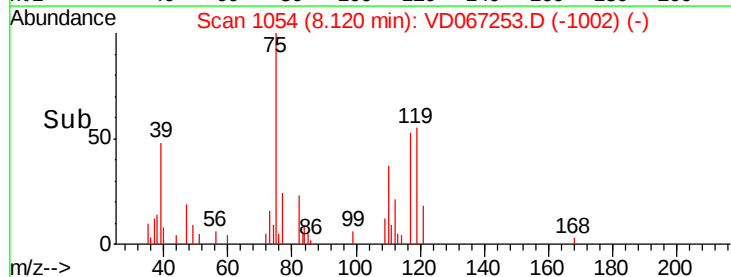
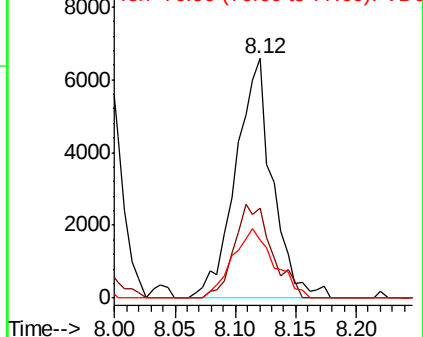


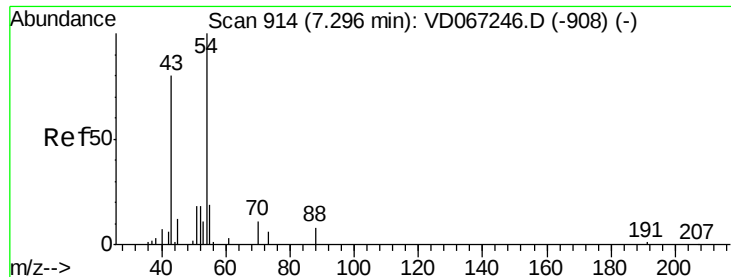
#36
 1,1-Dichloropropene
 Concen: 3.038 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

Tgt Ion: 75 Resp: 14033
 Ion Ratio Lower Upper
 75 100
 110 39.9 19.6 58.7
 77 32.5 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

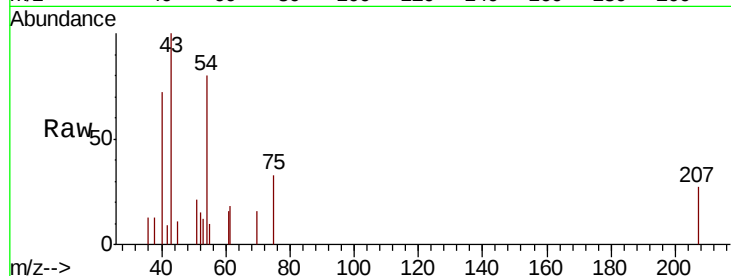




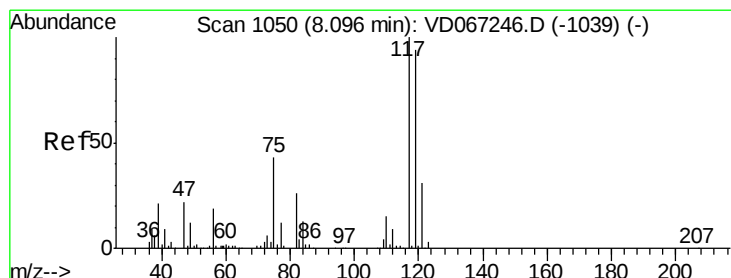
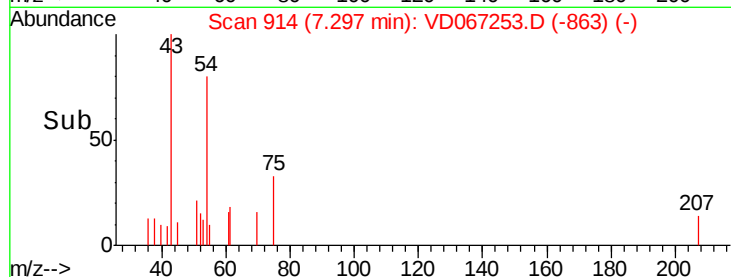
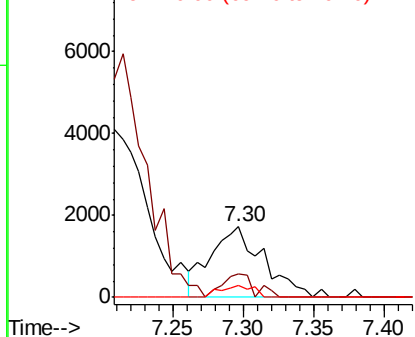
#37
Ethyl Acetate
Concen: 3.334 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :
VD1014

Tot Ion: 43 Resp: 4531
Ion Ratio Lower Upper
43 100
61 20.1 15.6 23.4
70 10.6 10.4 15.6

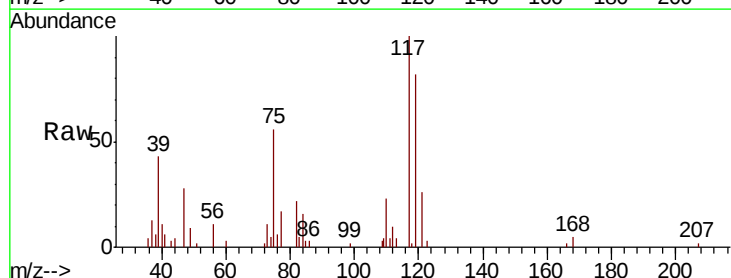


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

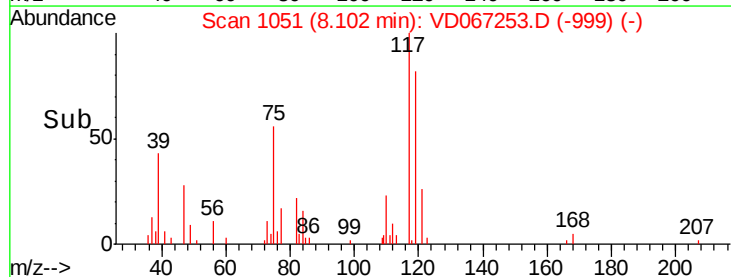
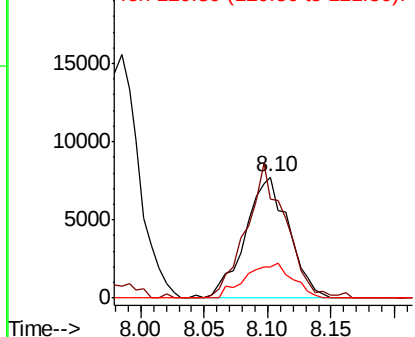


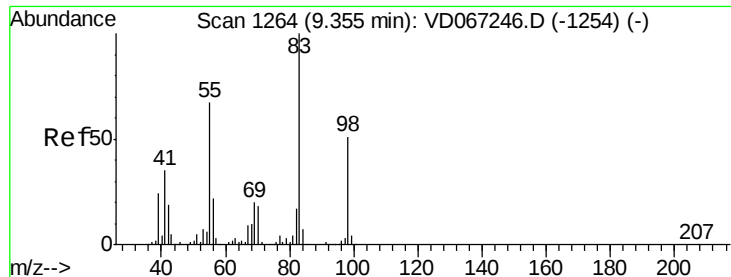
#38
Carbon Tetrachloride
Concen: 3.144 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 117 Resp: 18562
Ion Ratio Lower Upper
117 100
119 81.6 75.0 112.4
121 25.5 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

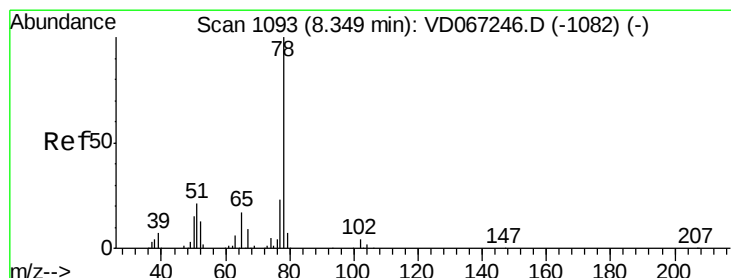
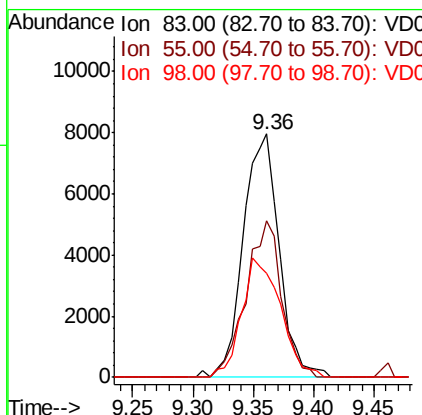
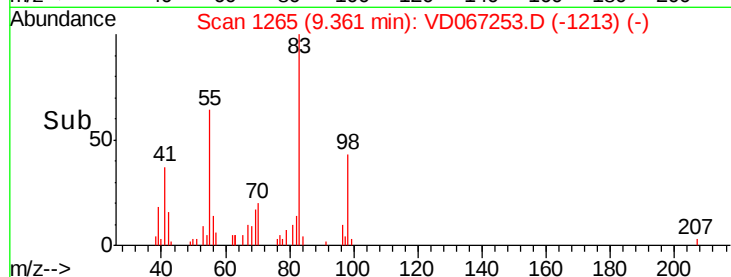
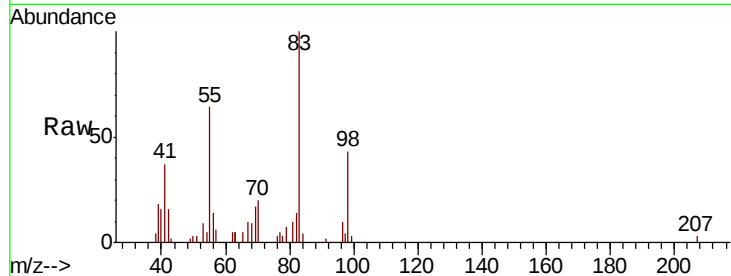




#39
Methvlcvclohexane
Concen: 3.423 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

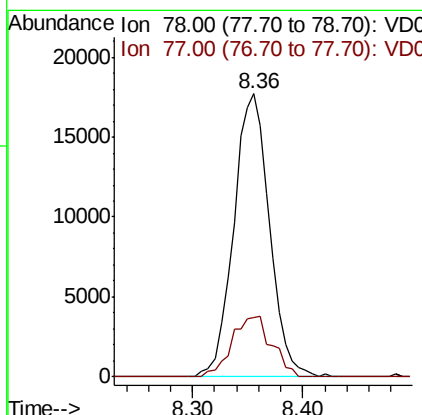
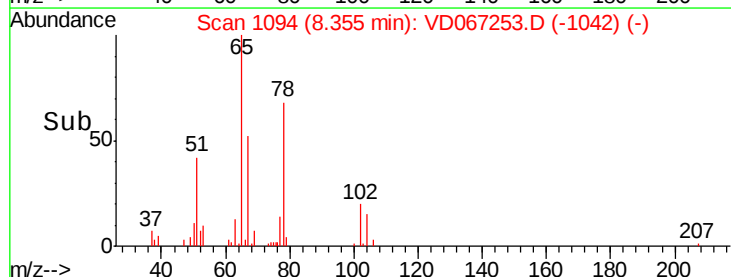
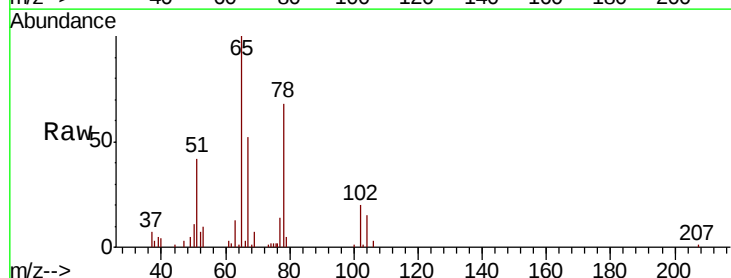
Instrument :
MSVOA_D
ClientSampled :
VD1014

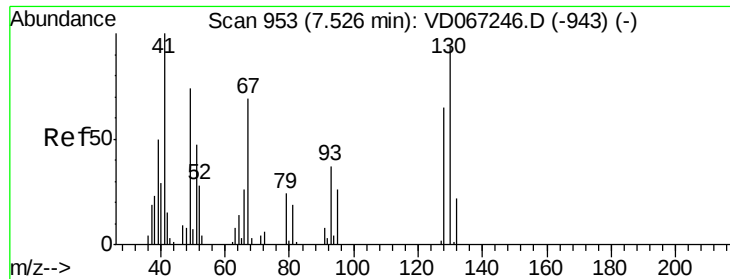
Tot Ion: 83 Resp: 16529
Ion Ratio Lower Upper
83 100
55 64.2 53.3 79.9
98 42.9 41.0 61.4



#40
Benzene
Concen: 3.170 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 78 Resp: 40179
Ion Ratio Lower Upper
78 100
77 20.9 18.3 27.5

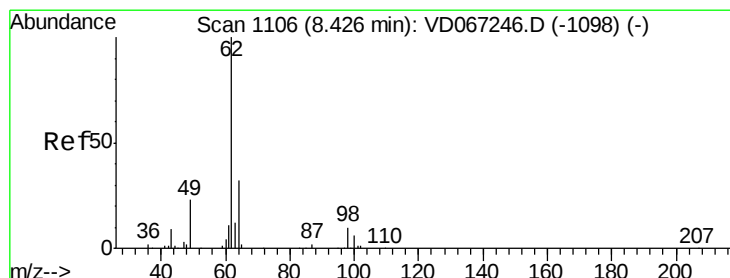
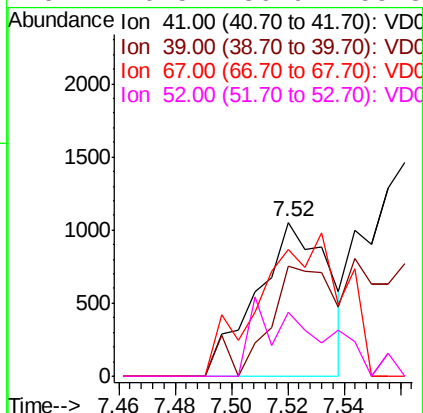
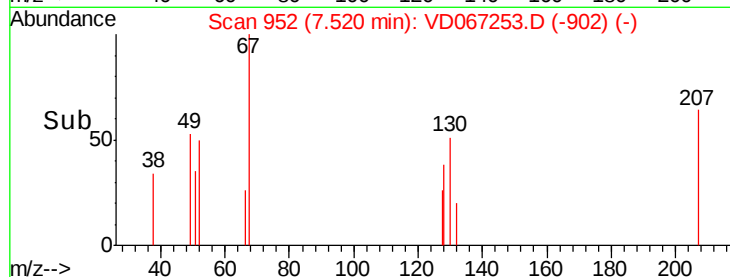
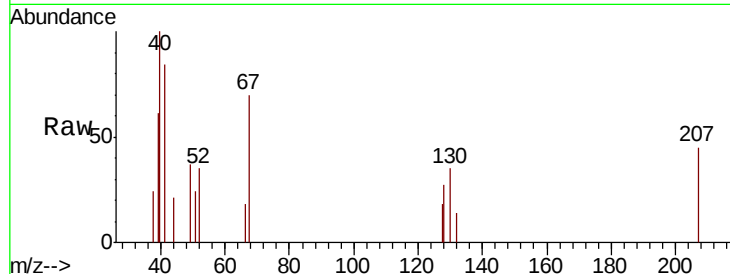




#41
Methacrylonitrile
Concen: 2.516 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

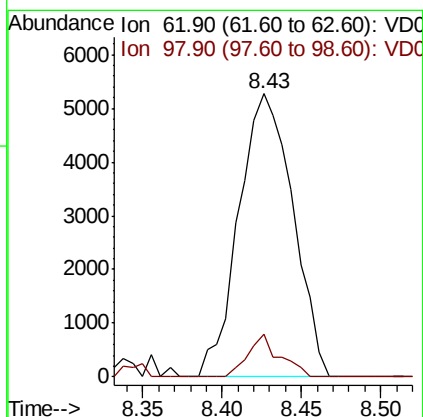
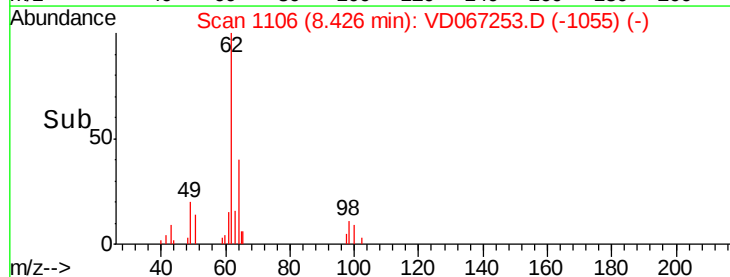
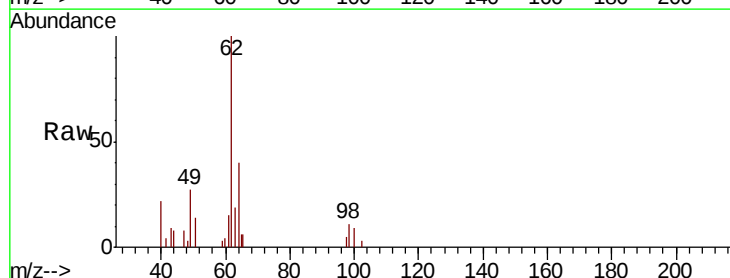
Instrument :
MSVOA_D
ClientSampleId :
VD1014

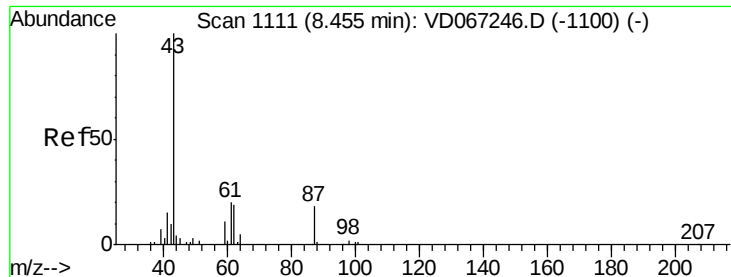
Tot Ion: 41 Resp: 1848
Ion Ratio Lower Upper
41 100
39 66.9 60.0 90.0
67 0.0 88.9 133.3#
52 46.5 36.9 55.3



#42
1,2-Dichloroethane
Concen: 3.159 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 62 Resp: 12530
Ion Ratio Lower Upper
62 100
98 8.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 3.052 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleID :

VD1014

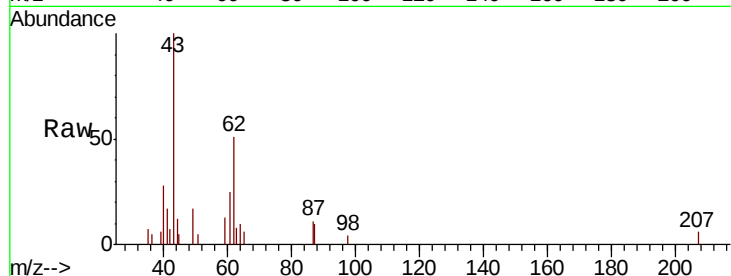
Tot Ion: 43 Resp: 8230

Ion Ratio Lower Upper

43 100

61 41.2 29.5 44.3

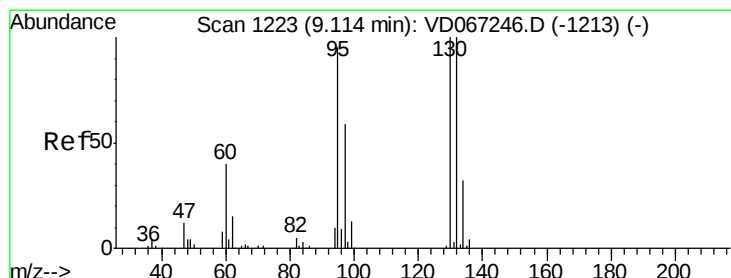
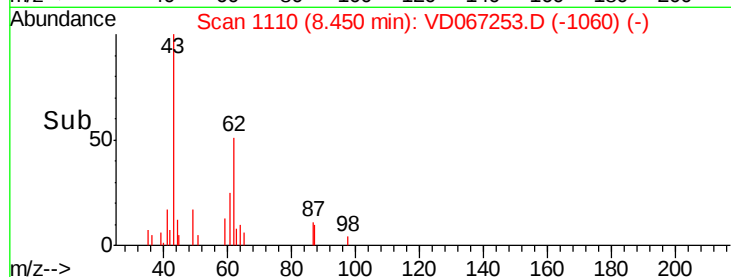
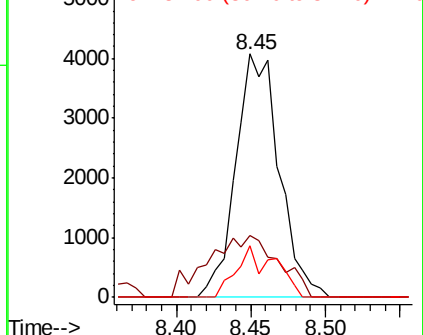
87 18.7 14.2 21.4



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: 3.273 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067253.D

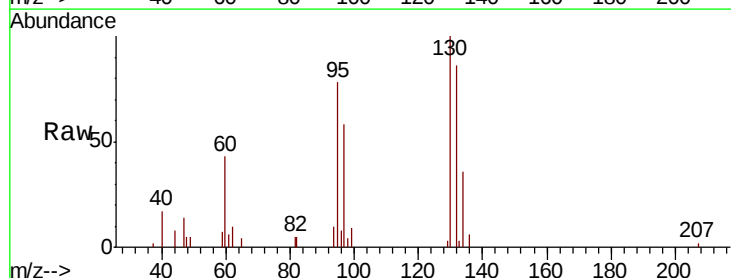
Acq: 13 Oct 2020 15:42

Tgt Ion: 130 Resp: 13279

Ion Ratio Lower Upper

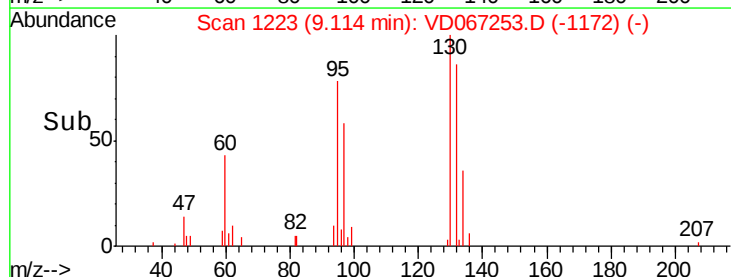
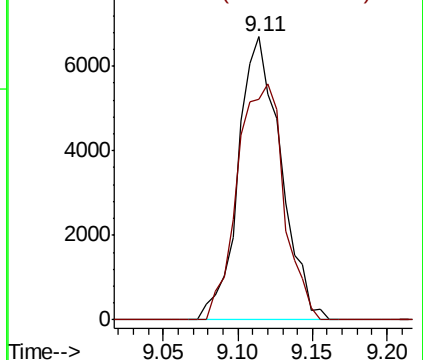
130 100

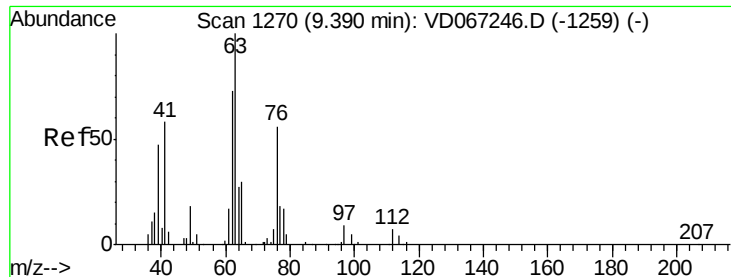
95 78.1 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 3.116 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

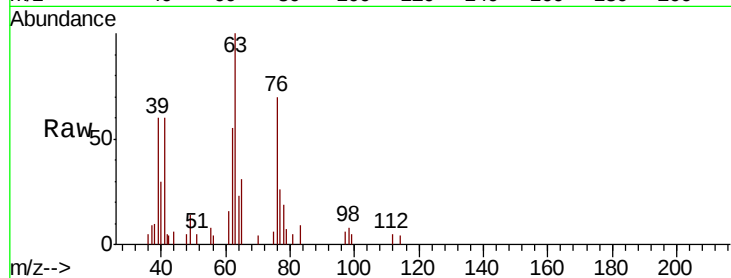
VD1014

Tot Ion: 63 Resp: 9152

Ion Ratio Lower Upper

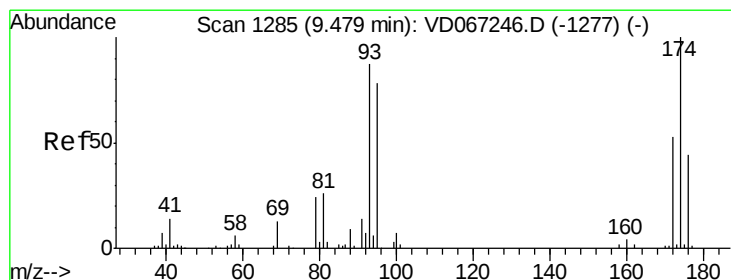
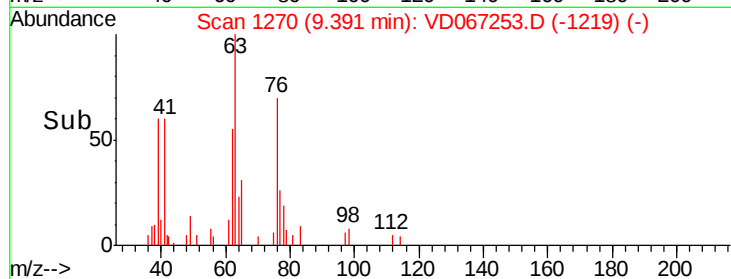
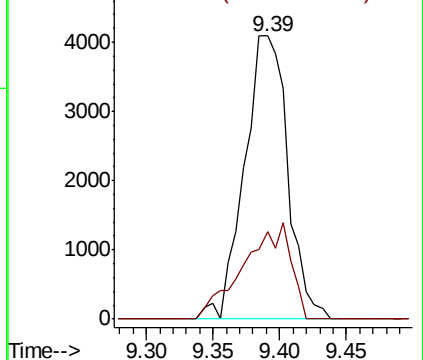
63 100

65 30.8 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: 2.813 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

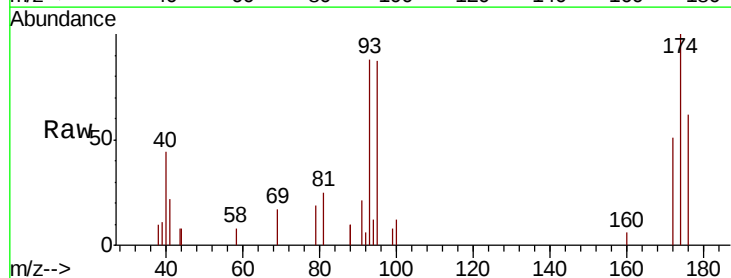
Tgt Ion: 93 Resp: 5147

Ion Ratio Lower Upper

93 100

95 89.1 68.0 102.0

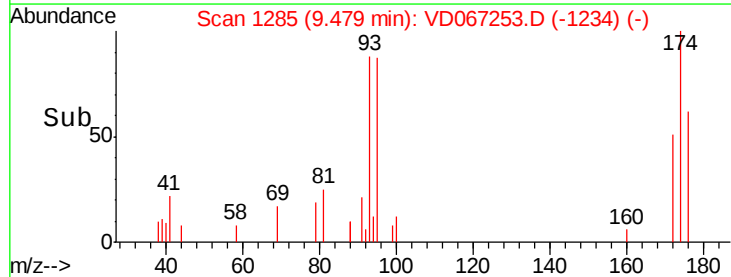
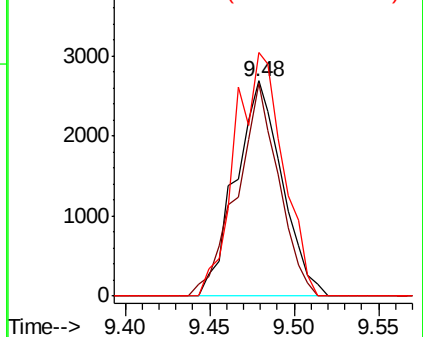
174 116.7 91.8 137.6

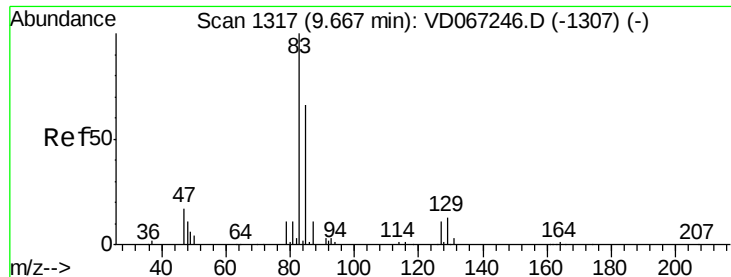


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.969 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

VD1014

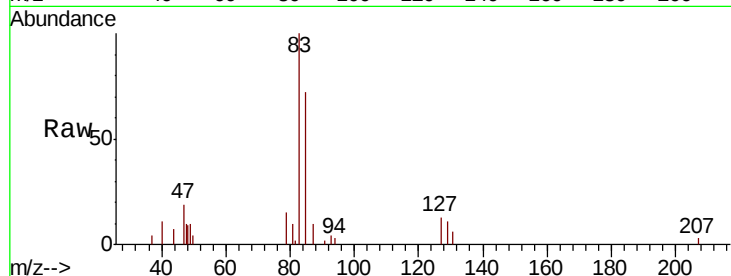
Tot Ion: 83 Resp: 14555

Ion Ratio Lower Upper

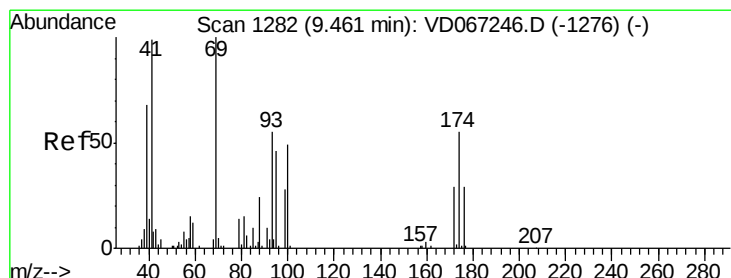
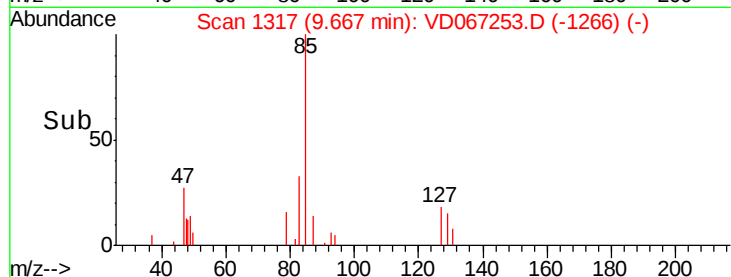
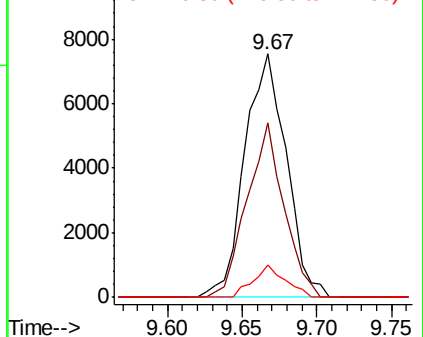
83 100

85 71.9 53.1 79.7

127 13.1 8.6 13.0#



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



#48

Methyl methacrylate

Concen: 3.118 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

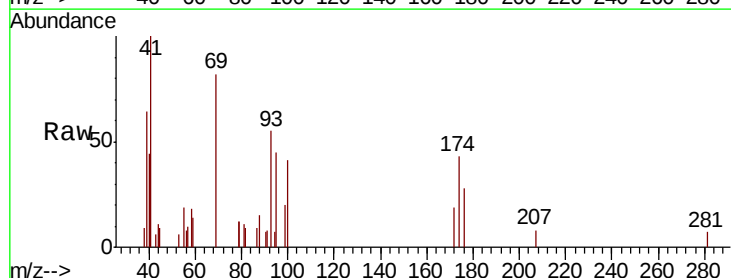
Tgt Ion: 41 Resp: 4087

Ion Ratio Lower Upper

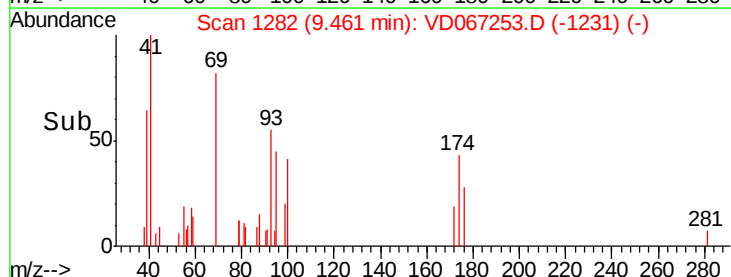
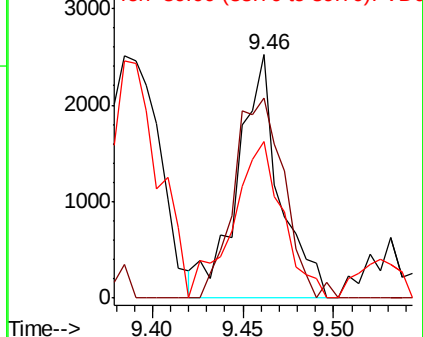
41 100

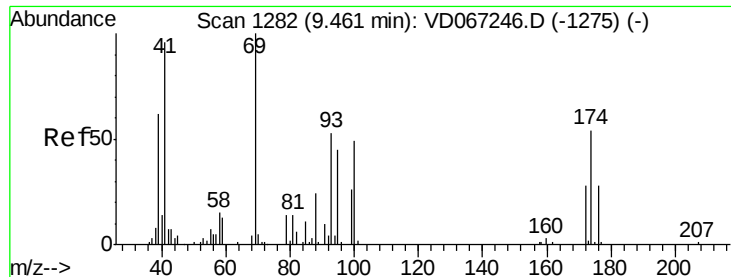
69 97.9 89.0 133.6

39 76.3 60.2 90.2



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

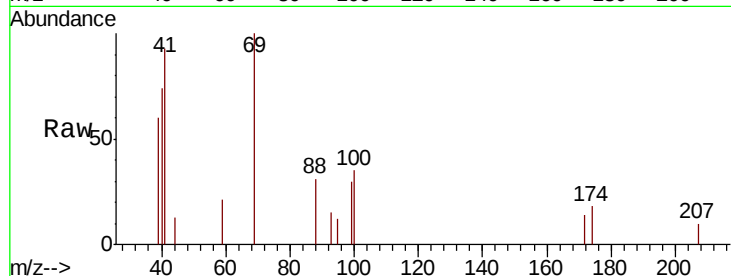




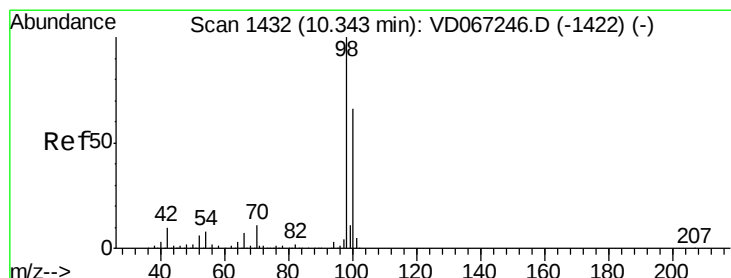
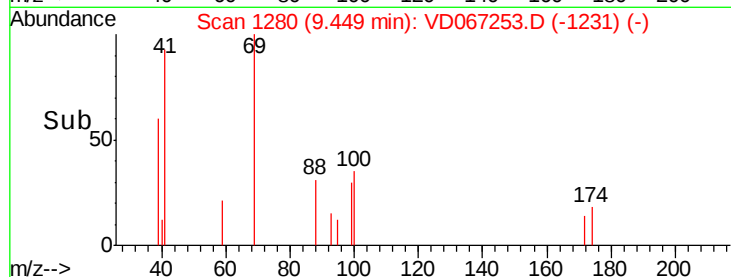
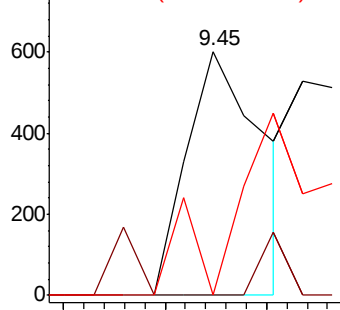
#49
1,4-Dioxane
Concen: 32.136 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :
VD1014

Tot Ion: 88 Resp: 619
Ion Ratio Lower Upper
88 100
43 0.0 23.9 35.9#
58 97.7 51.0 76.6#

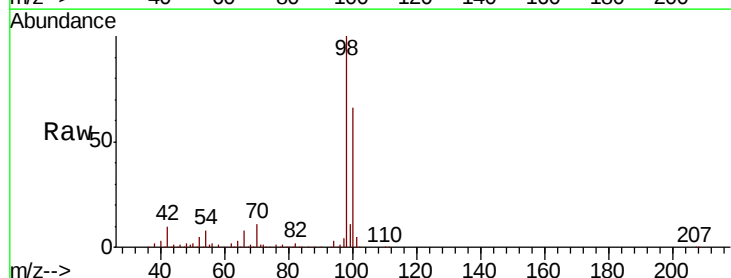


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

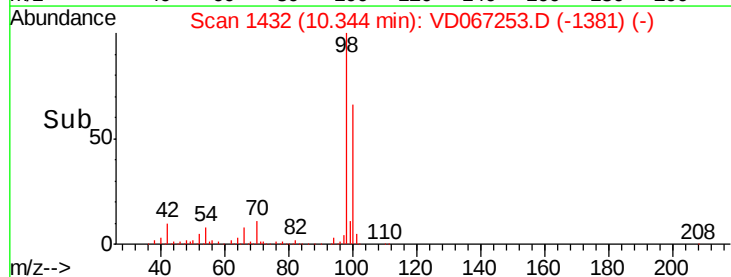
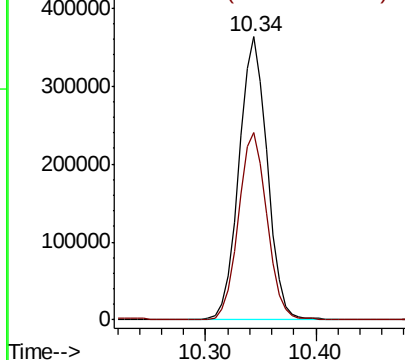


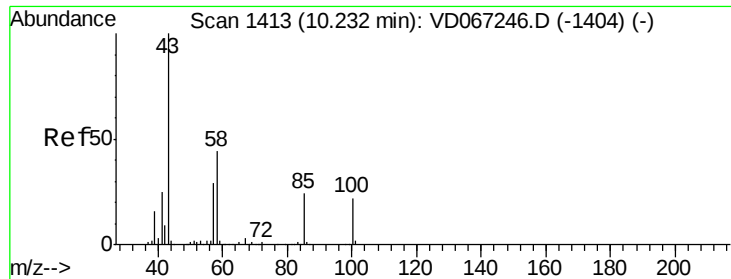
#50
Toluene-d8
Concen: 49.934 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 98 Resp: 655475
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7



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

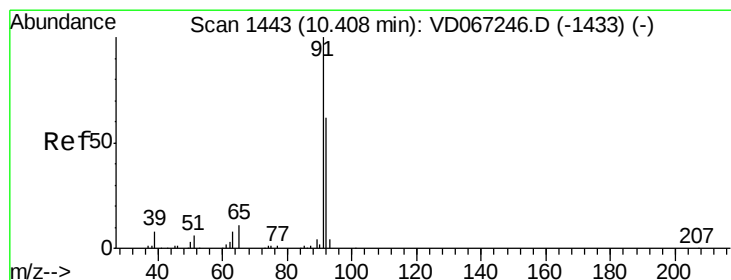
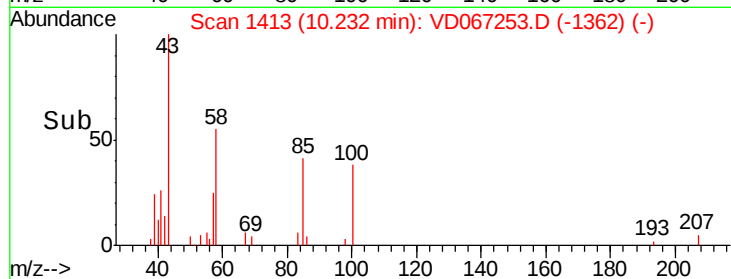
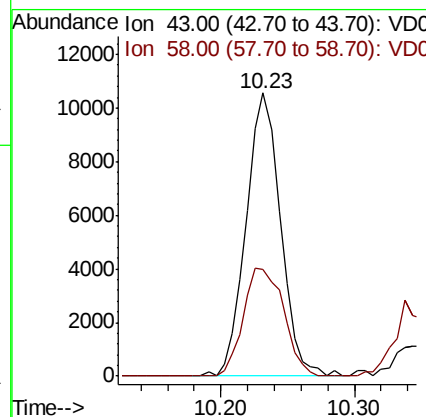
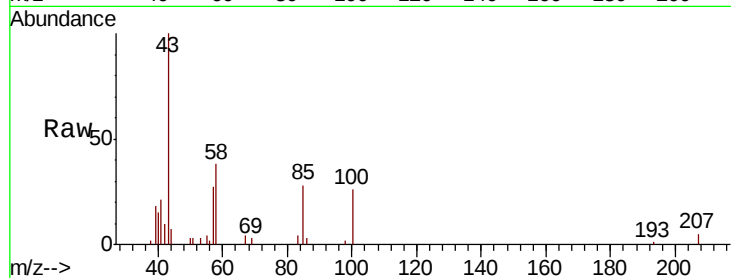




#51
 4-Methyl-2-Pentanone
 Concen: 13.998 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

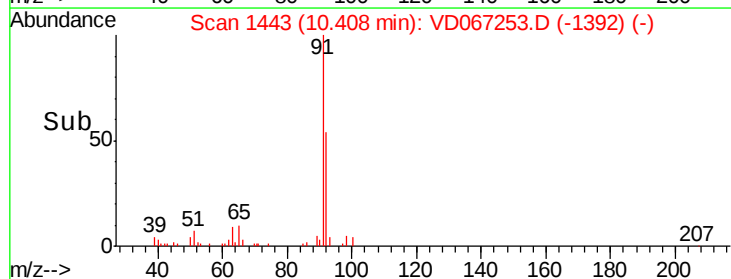
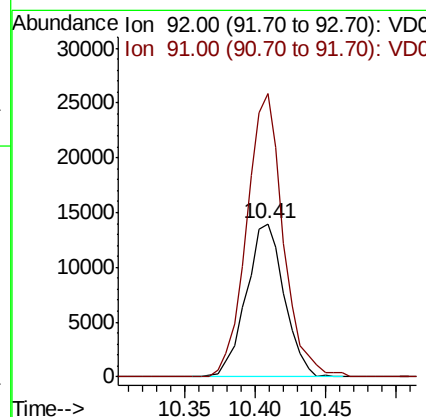
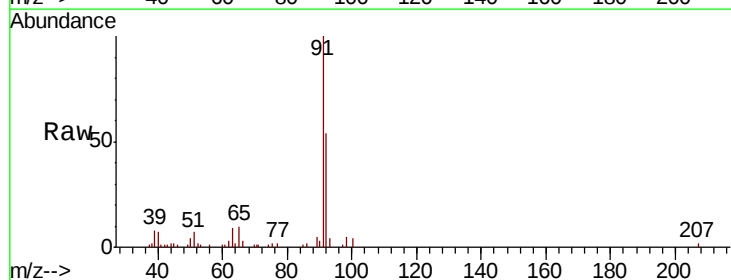
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014

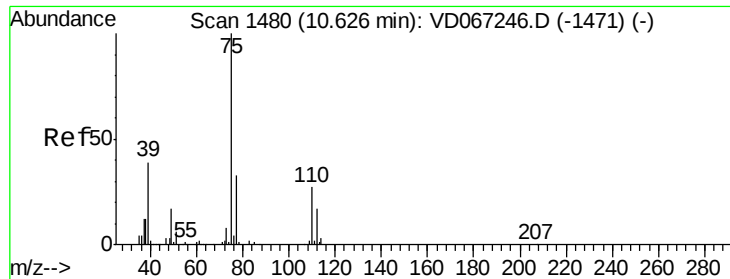
Tot Ion: 43 Resp: 18829
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.7 53.5



#52
 Toluene
 Concen: 3.063 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

Tgt Ion: 92 Resp: 26437
 Ion Ratio Lower Upper
 92 100
 91 177.2 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 2.885 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

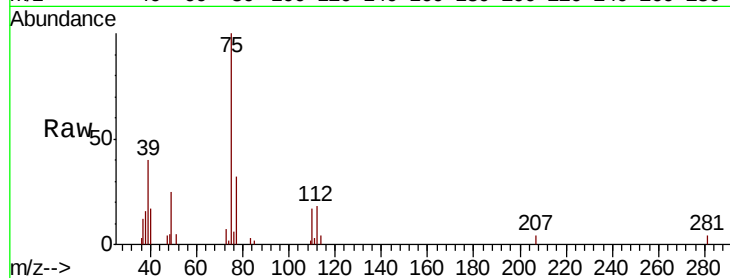
VD1014

Tot Ion: 75 Resp: 12424

Ion Ratio Lower Upper

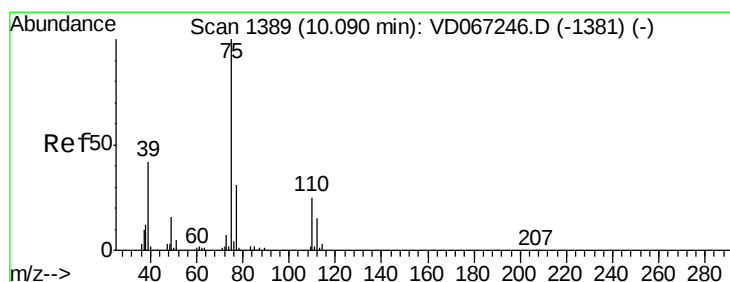
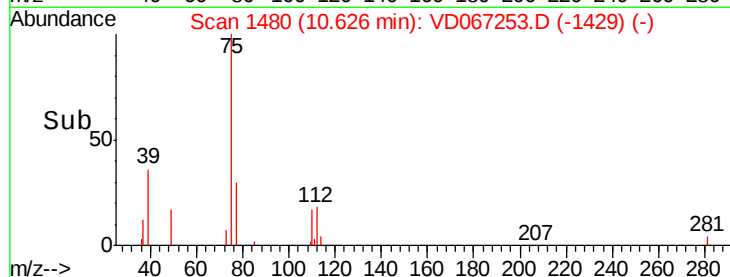
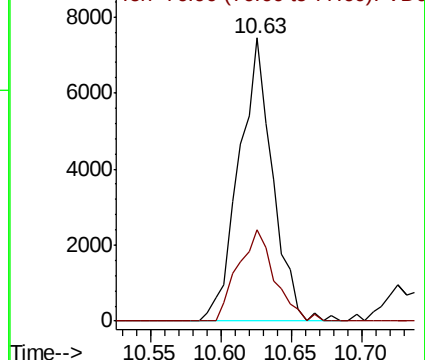
75 100

77 32.5 26.5 39.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 3.017 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

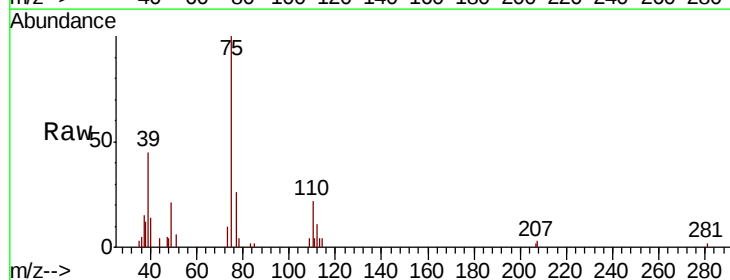
Tgt Ion: 75 Resp: 15208

Ion Ratio Lower Upper

75 100

77 26.1 24.5 36.7

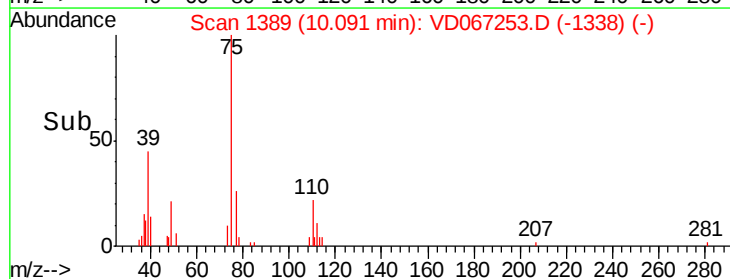
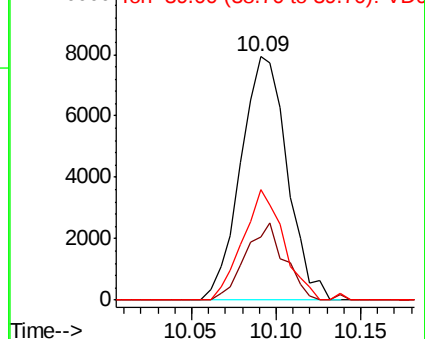
39 45.2 33.7 50.5

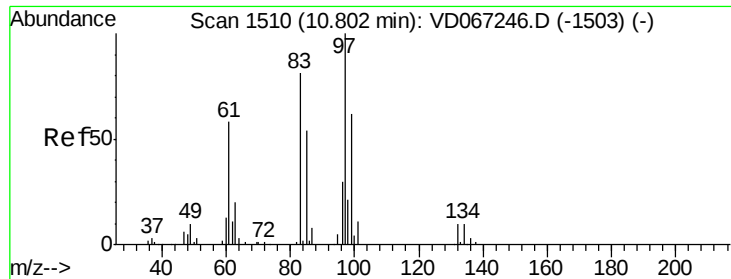


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

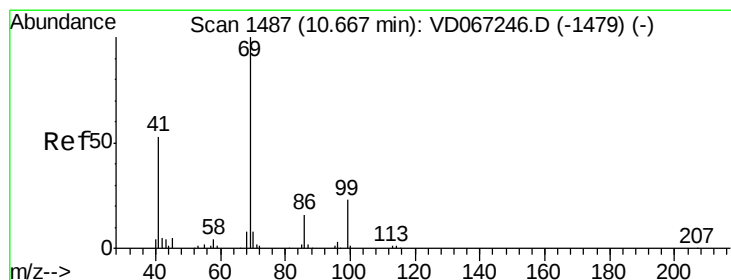
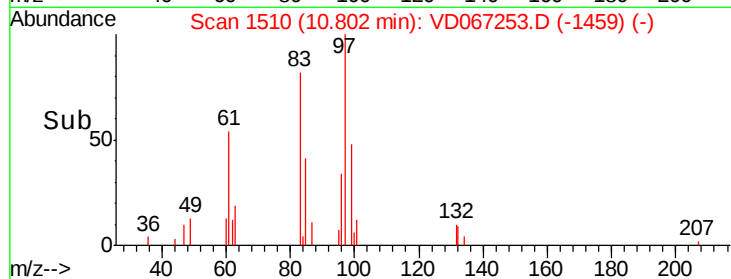
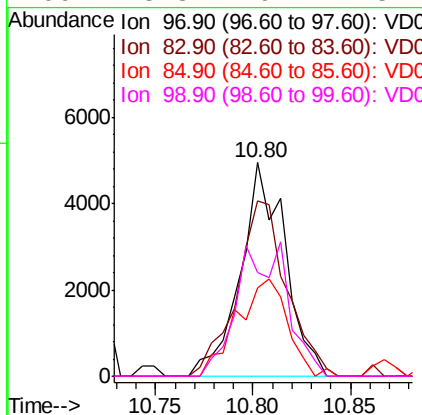
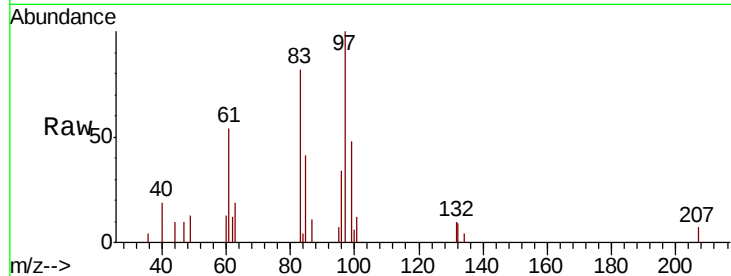




#55
 1,1,2-Trichloroethane
 Concen: 3.143 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

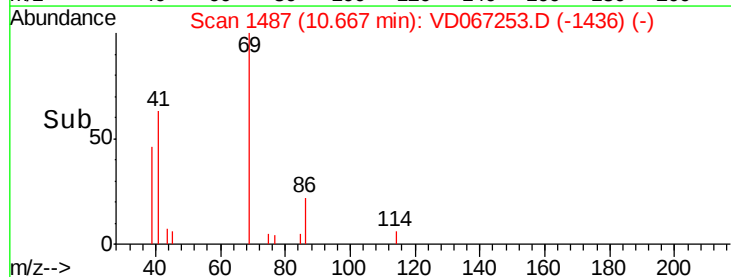
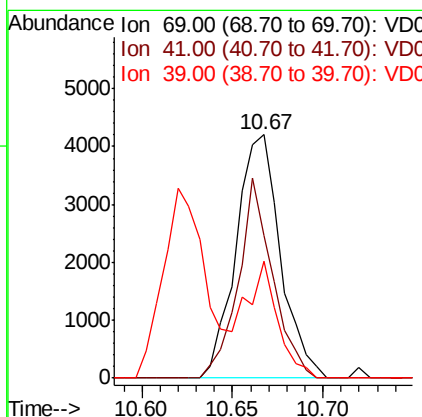
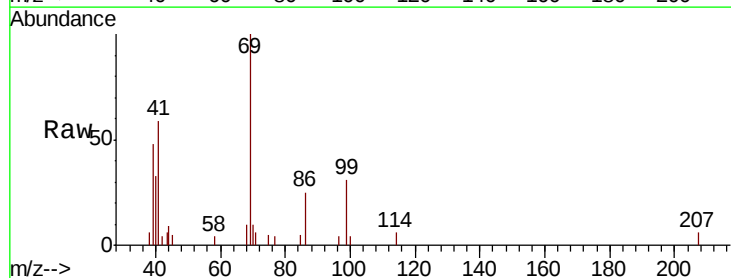
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014

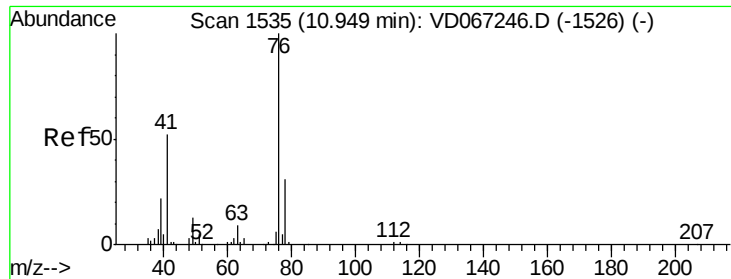
Tot Ion:	97	Resp:	7842
Ion	Ratio	Lower	Upper
97	100		
83	81.9	64.9	97.3
85	41.1	43.3	64.9#
99	48.3	49.1	73.7#



#56
 Ethyl methacrylate
 Concen: 2.762 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

Tgt Ion:	69	Resp:	7147
Ion	Ratio	Lower	Upper
69	100		
41	63.4	44.7	67.1
39	34.2	26.2	39.2





#57

1,3-Dichloropropane

Concen: 3.014 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

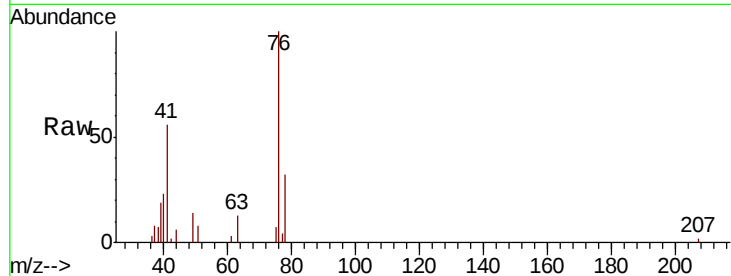
VD1014

Tot Ion: 76 Resp: 11970

Ion Ratio Lower Upper

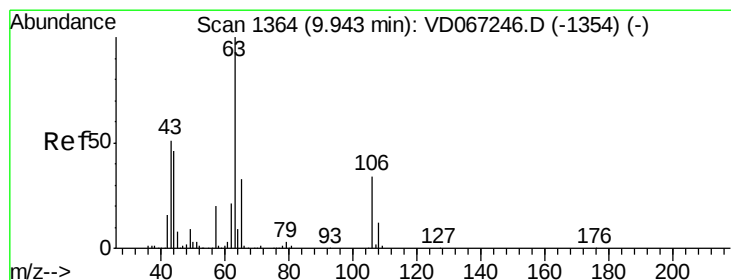
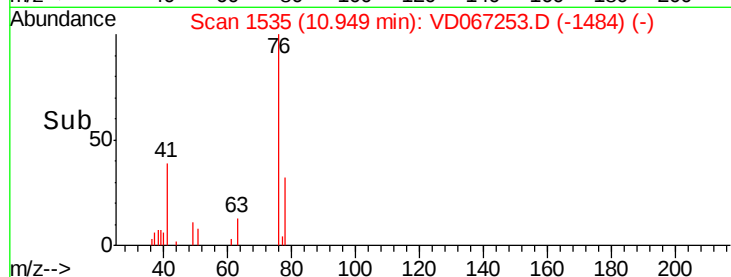
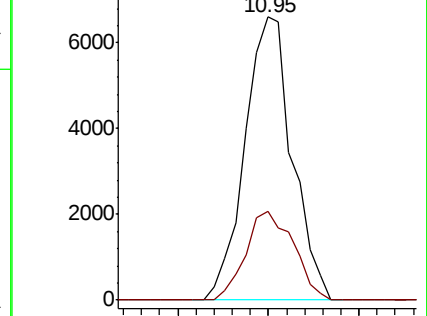
76 100

78 31.6 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: 12.282 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067253.D

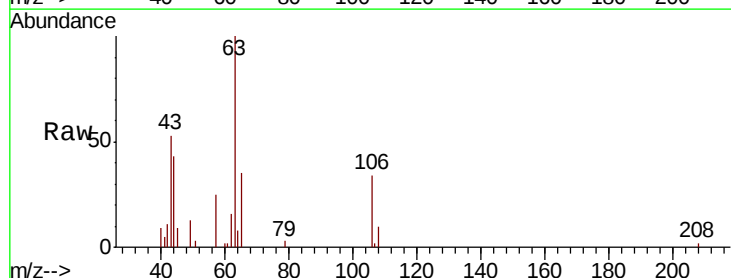
Acq: 13 Oct 2020 15:42

Tgt Ion: 63 Resp: 16307

Ion Ratio Lower Upper

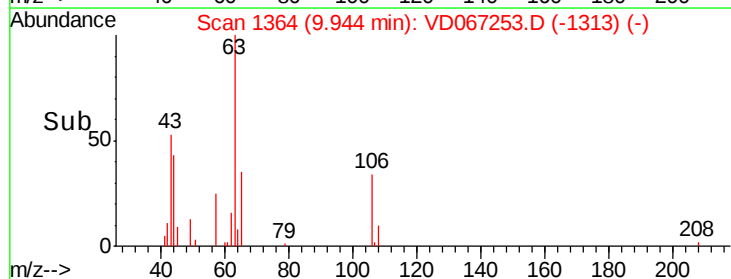
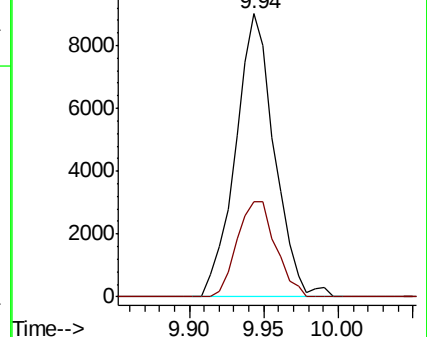
63 100

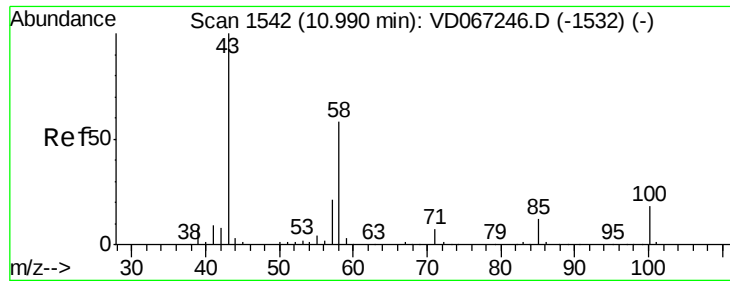
106 33.4 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

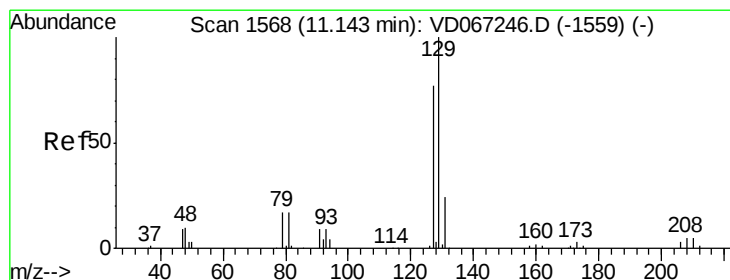
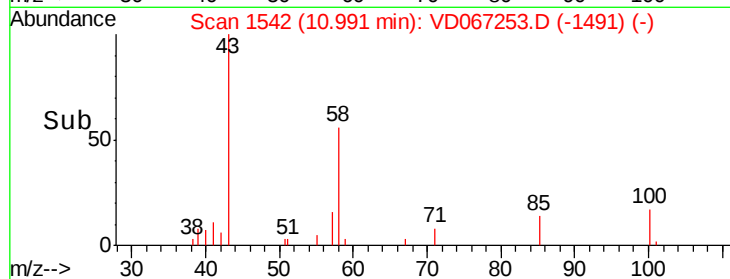
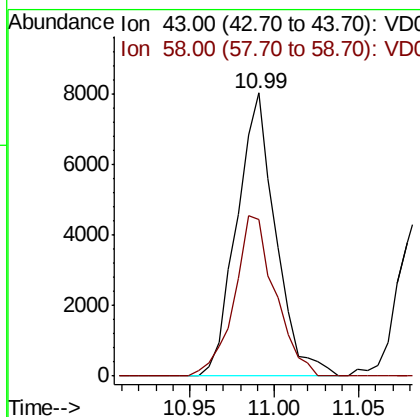
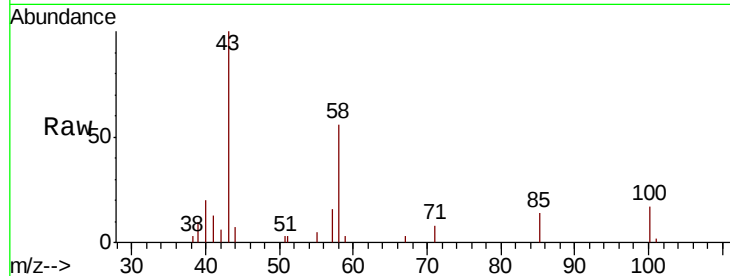




#59
2-Hexanone
Concen: 14.048 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

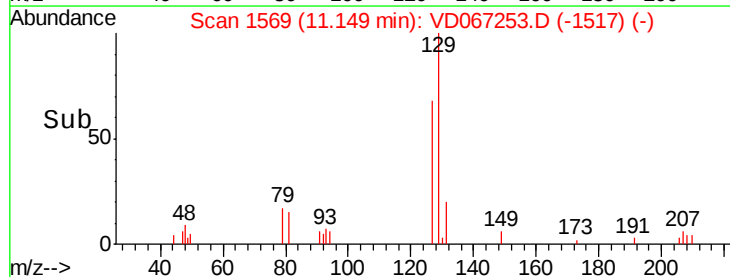
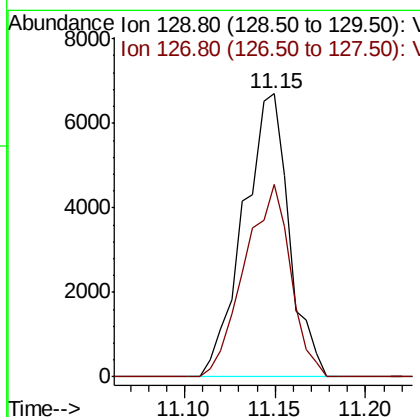
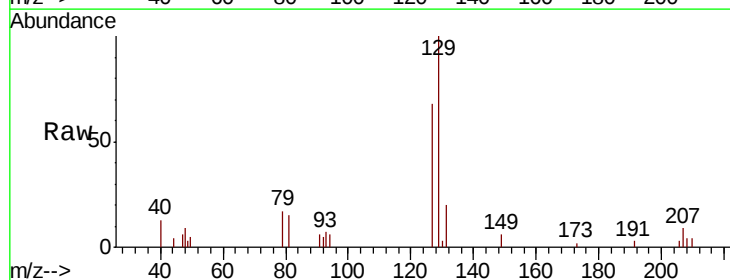
Instrument :
MSVOA_D
ClientSampleId :
VD1014

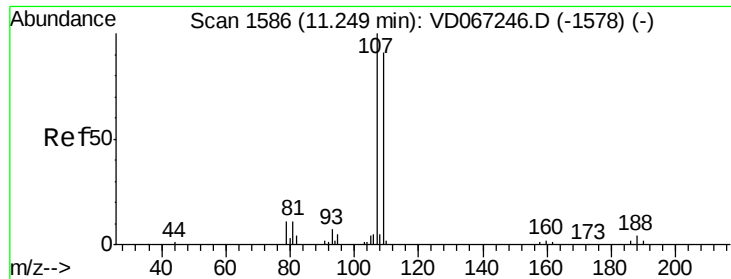
Tot Ion: 43 Resp: 12913
Ion Ratio Lower Upper
43 100
58 59.2 29.3 87.9



#60
Dibromochloromethane
Concen: 3.232 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 129 Resp: 11761
Ion Ratio Lower Upper
129 100
127 68.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 3.008 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampled :

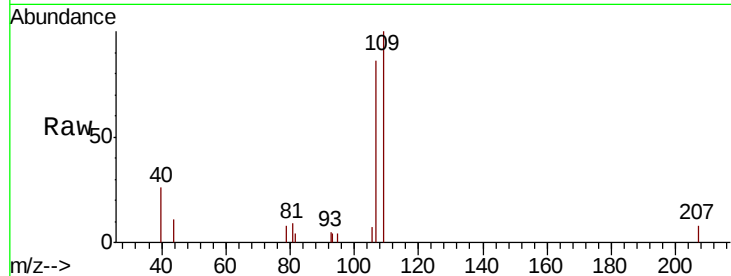
VD1014

Tot Ion:107 Resp: 7400

Ion Ratio Lower Upper

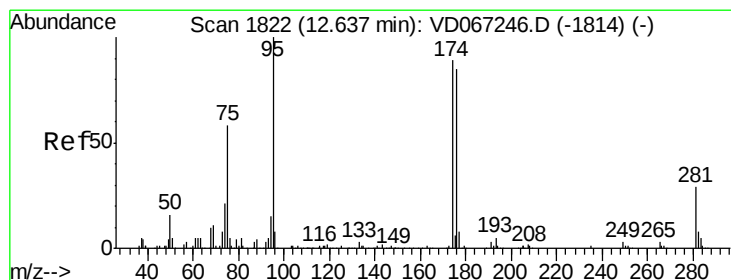
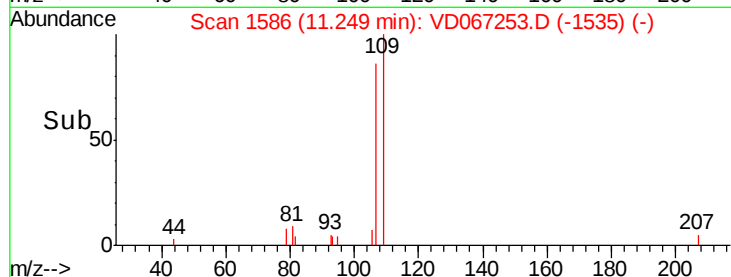
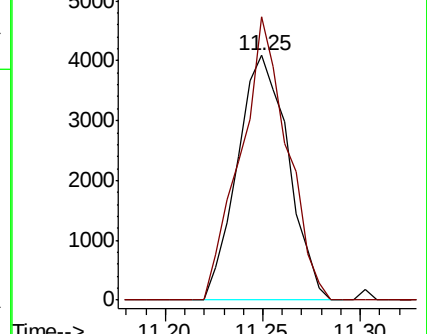
107 100

109 106.2 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.003 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

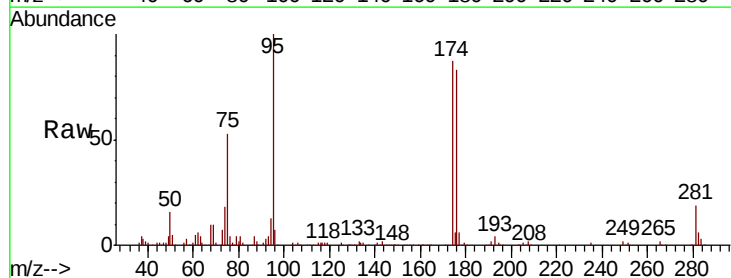
Tgt Ion: 95 Resp: 223671

Ion Ratio Lower Upper

95 100

174 86.8 0.0 175.2

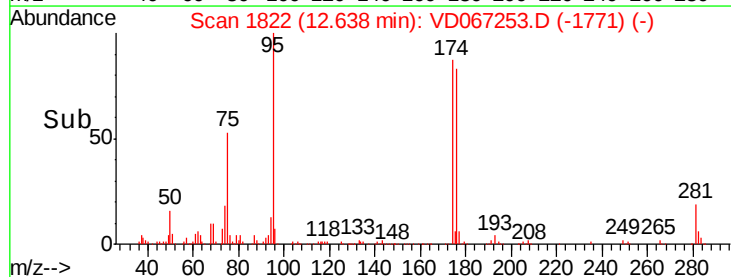
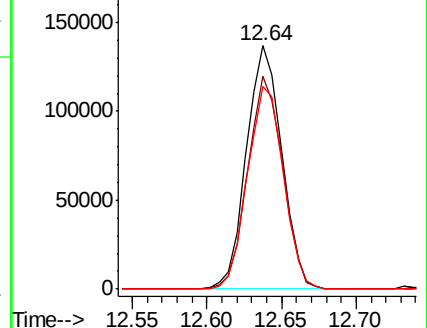
176 85.0 0.0 168.6

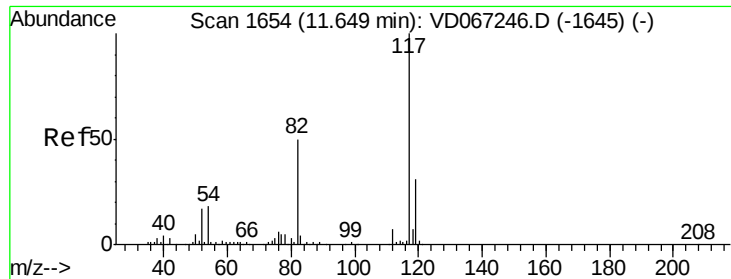


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

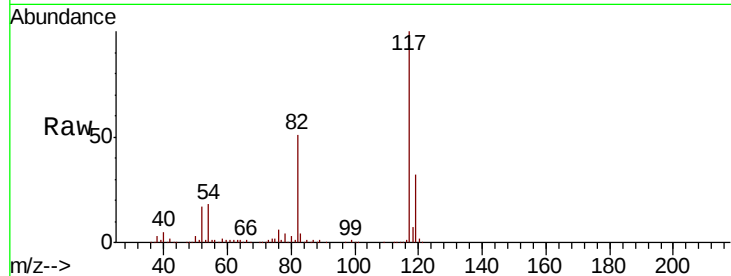




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :
VD1014

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	39.9	59.9
119	32.4	24.9	37.3

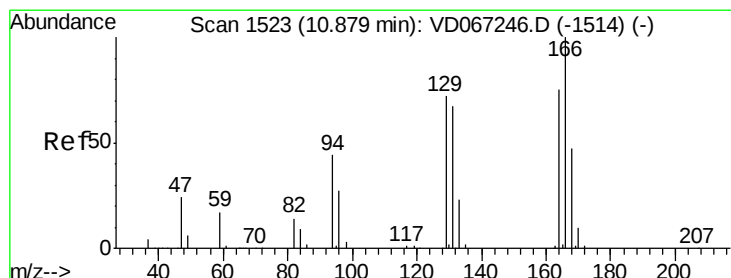
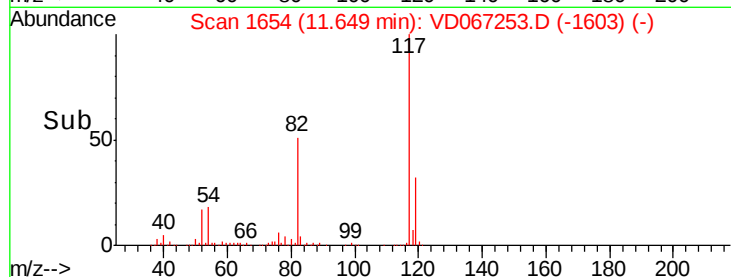
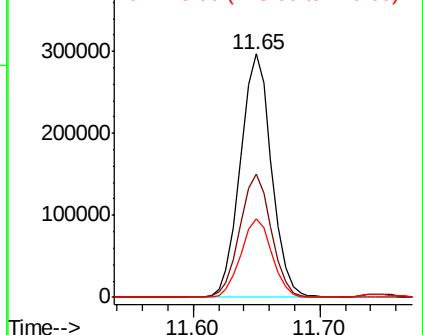


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 3.582 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.6	107.3	160.9
129	89.6	77.3	115.9
131	84.5	71.4	107.2

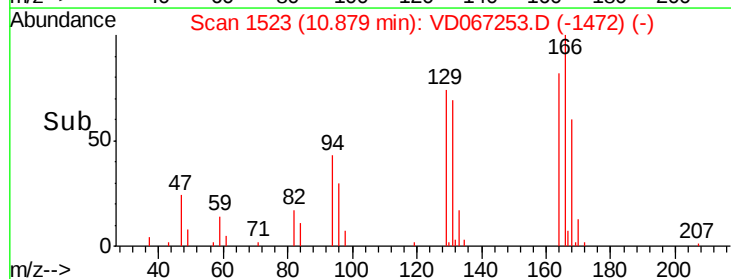
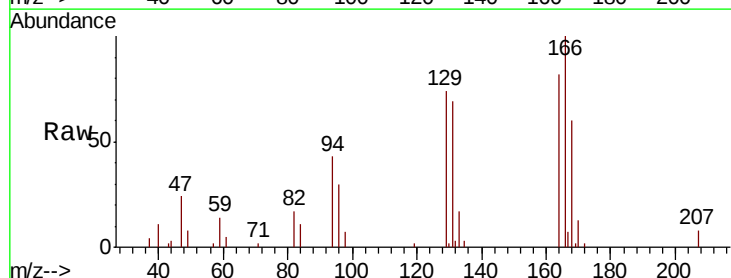
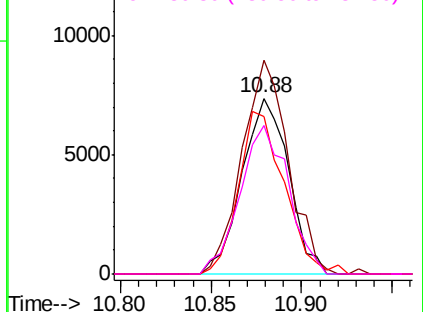
Abundance

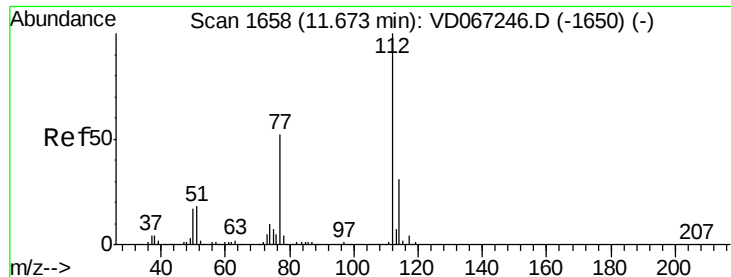
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

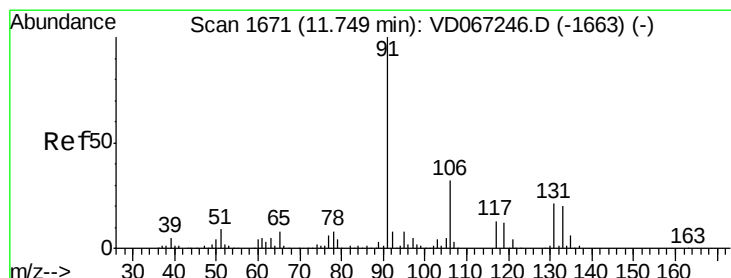
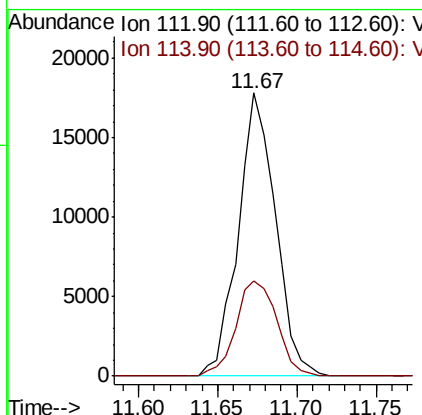
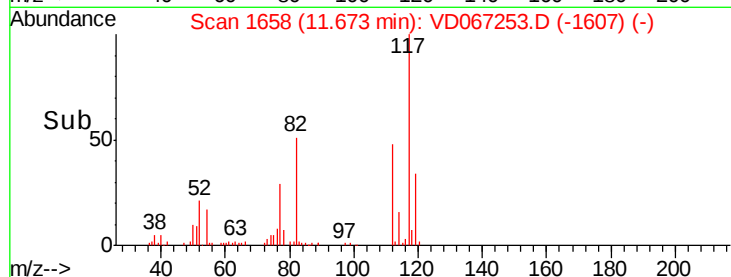
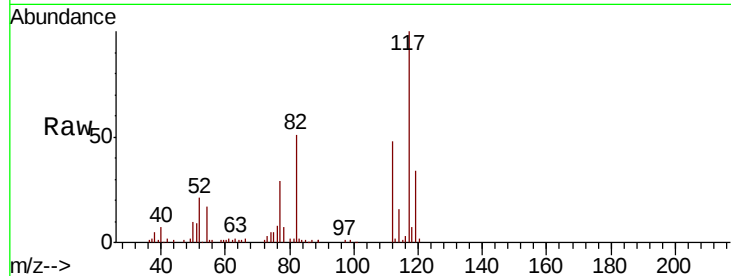




#65
Chlorobenzene
Concen: 2.987 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

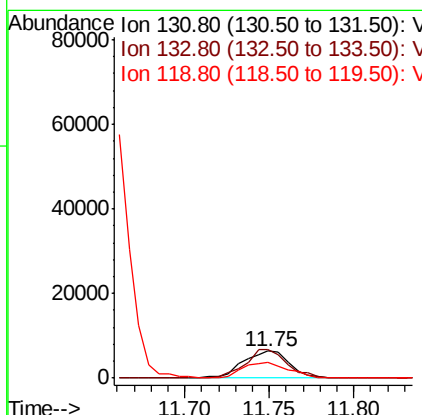
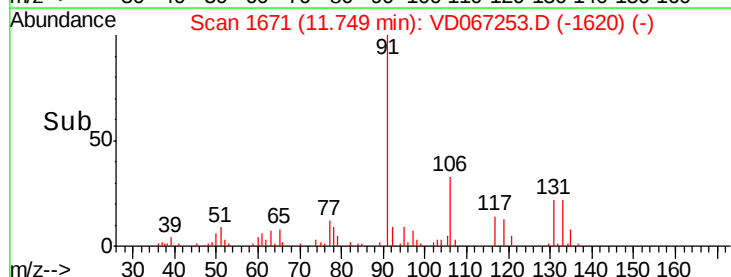
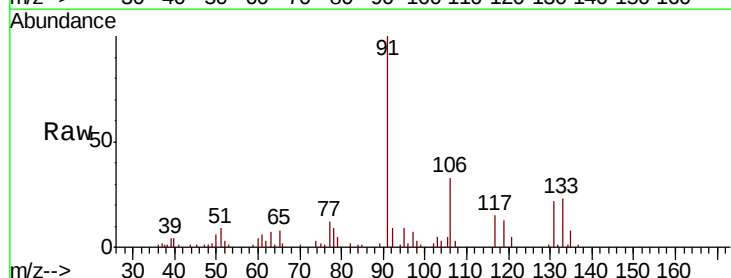
Instrument :
MSVOA_D
ClientSampleId :
VD1014

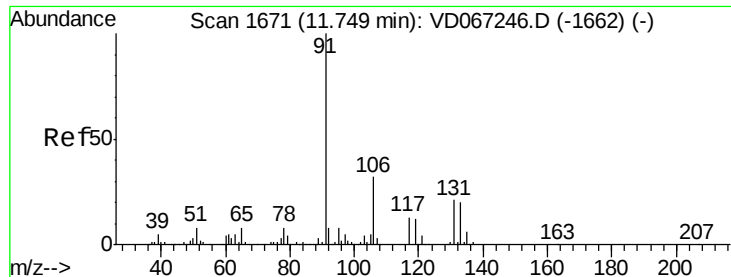
Tot Ion:112 Resp: 29070
Ion Ratio Lower Upper
112 100
114 33.5 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 3.116 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion:131 Resp: 12053
Ion Ratio Lower Upper
131 100
133 96.3 48.1 144.3
119 58.3 30.0 90.0

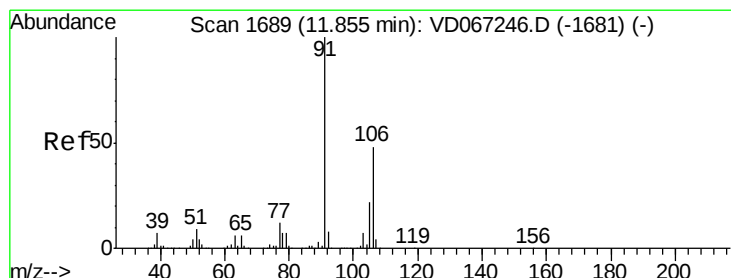
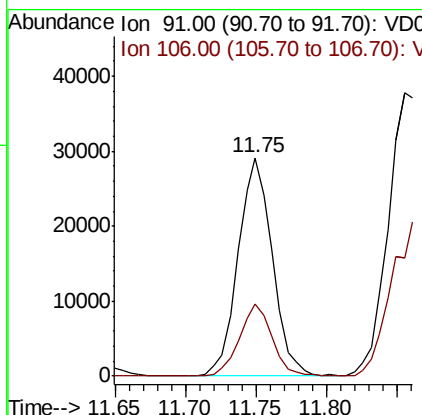
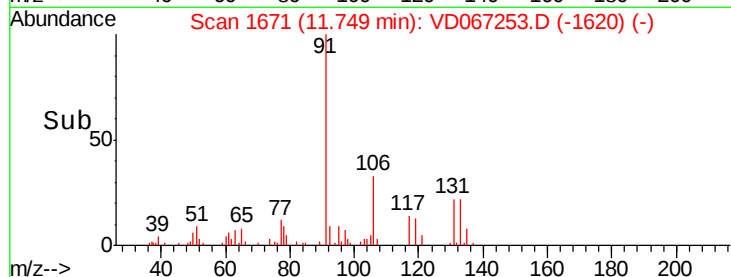
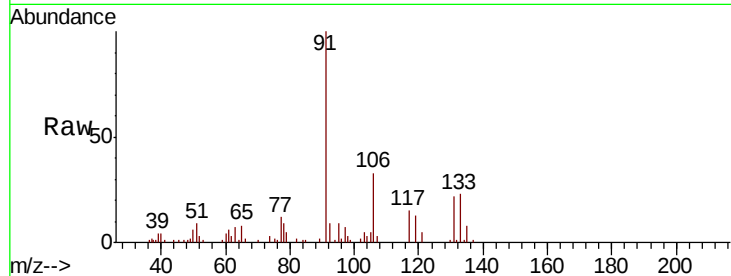




#67
Ethyl Benzene
Concen: 2.949 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

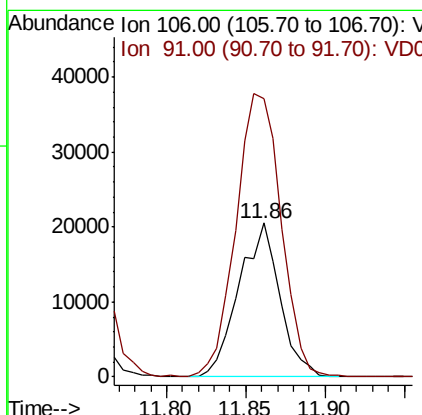
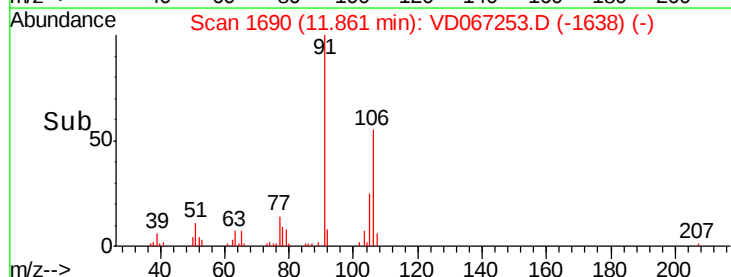
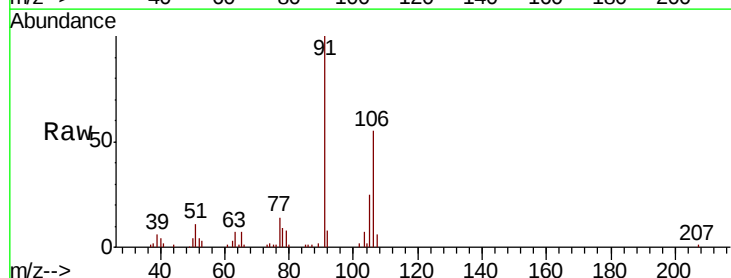
Instrument :
MSVOA_D
ClientSampleId :
VD1014

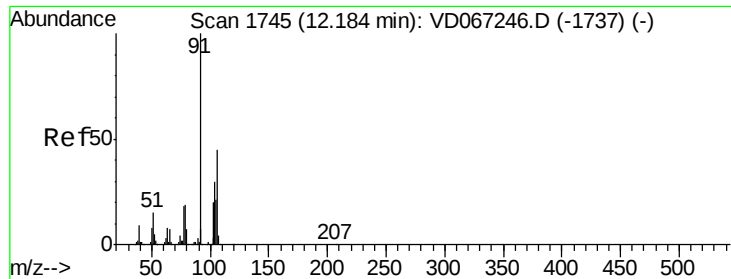
Tot Ion: 91 Resp: 49200
Ion Ratio Lower Upper
91 100
106 33.1 25.4 38.0



#68
m/p-Xylenes
Concen: 5.721 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 106 Resp: 36753
Ion Ratio Lower Upper
106 100
91 202.8 163.8 245.8

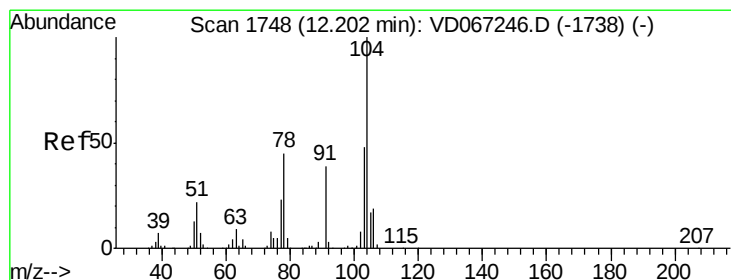
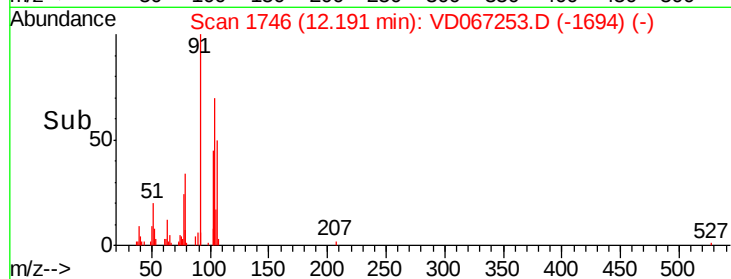
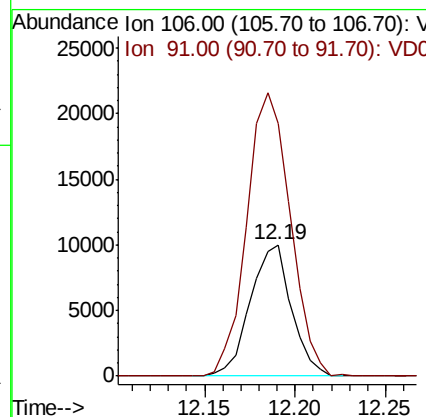
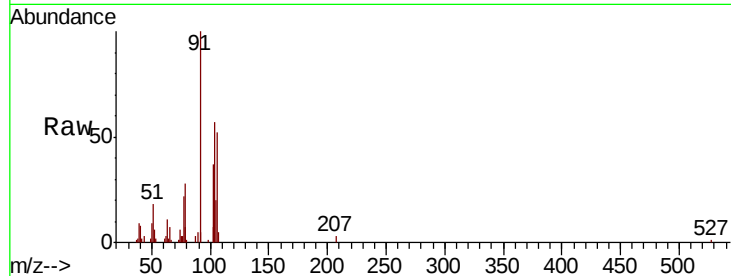




#69
o-Xylene
Concen: 2.650 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

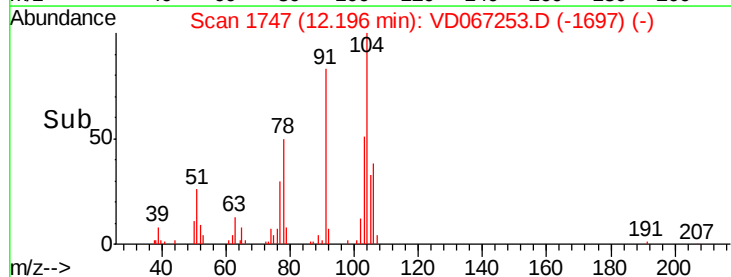
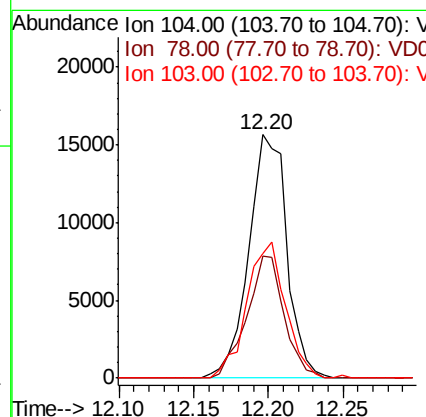
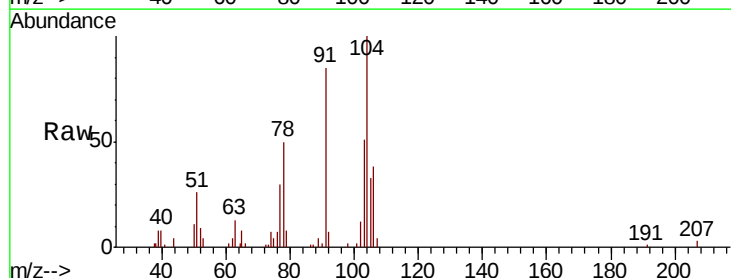
Instrument :
MSVOA_D
ClientSampleId :
VD1014

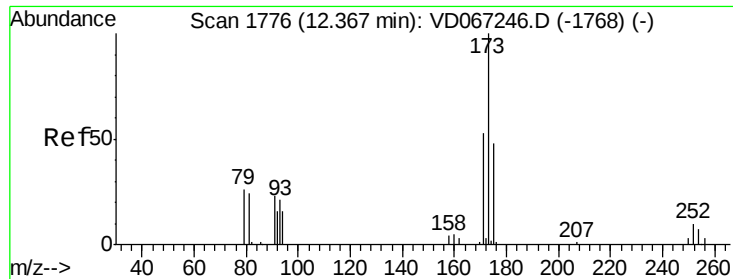
Tot Ion:106 Resp: 15767
Ion Ratio Lower Upper
106 100
91 228.9 109.1 327.3



#70
Styrene
Concen: 2.689 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion:104 Resp: 27539
Ion Ratio Lower Upper
104 100
78 49.2 39.8 59.6
103 56.9 42.6 64.0

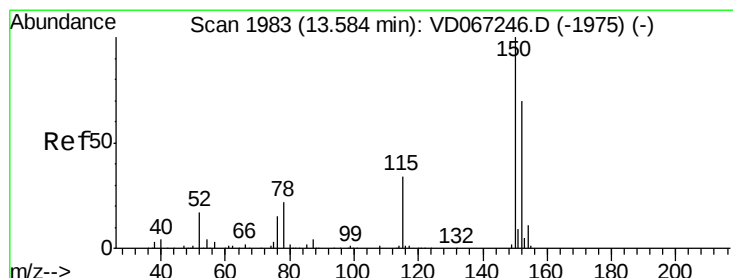
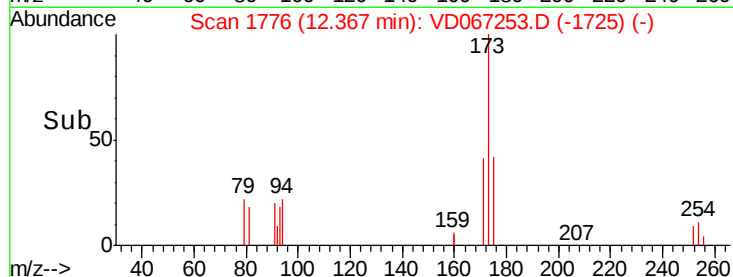
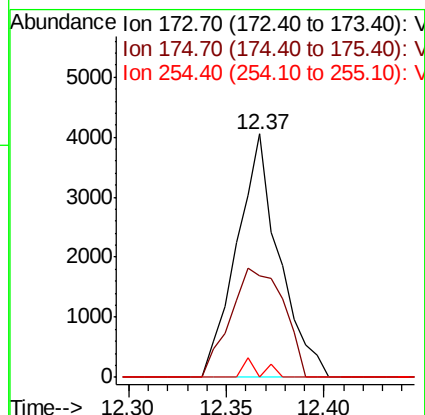
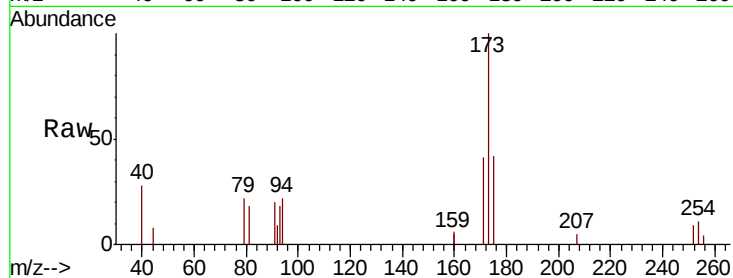




#71
Bromoform
Concen: 2.933 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

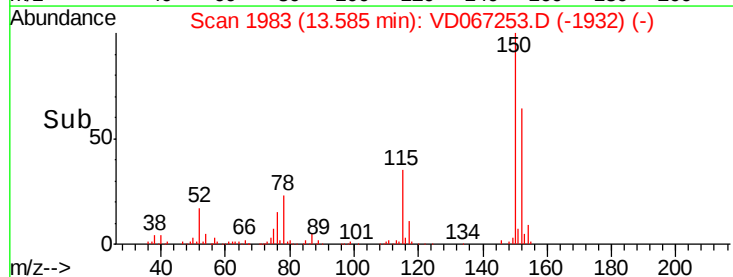
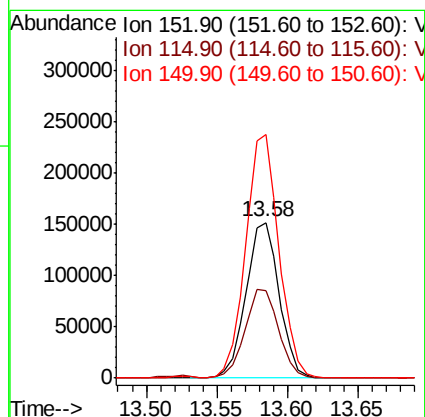
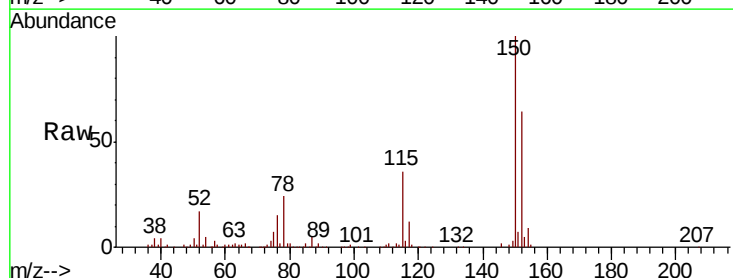
Instrument :
MSVOA_D
ClientSampled :
VD1014

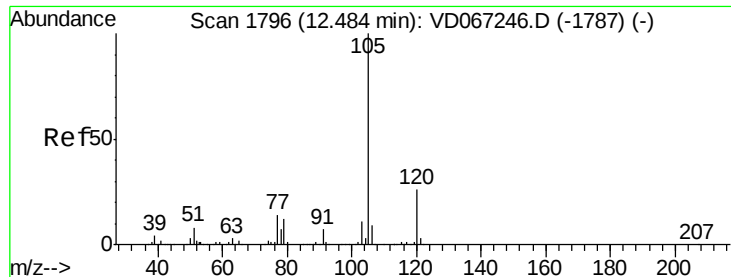
Tot Ion:173 Resp: 6094
Ion Ratio Lower Upper
173 100
175 56.3 24.2 72.6
254 3.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion:152 Resp: 250201
Ion Ratio Lower Upper
152 100
115 57.7 29.3 87.9
150 156.1 0.0 339.0





#73

Isopropylbenzene

Concen: 2.747 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

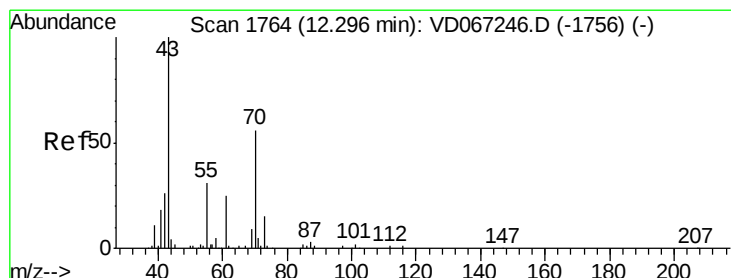
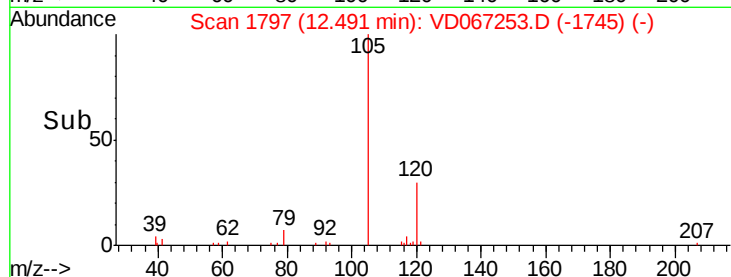
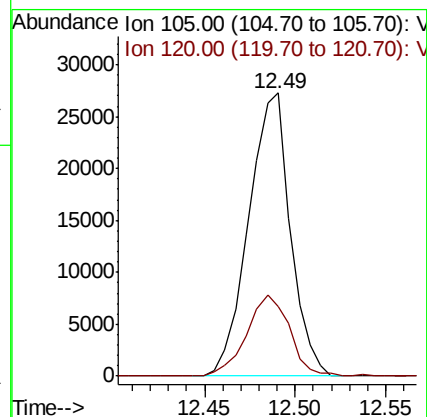
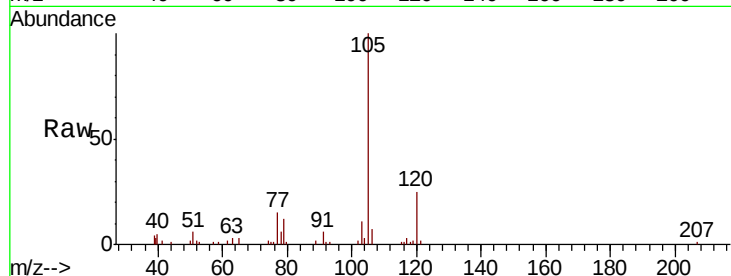
VD1014

Tot Ion:105 Resp: 43615

Ion Ratio Lower Upper

105 100

120 29.4 13.3 39.8



#74

N-ethyl acetate

Concen: 3.014 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Tgt Ion: 43 Resp: 7229

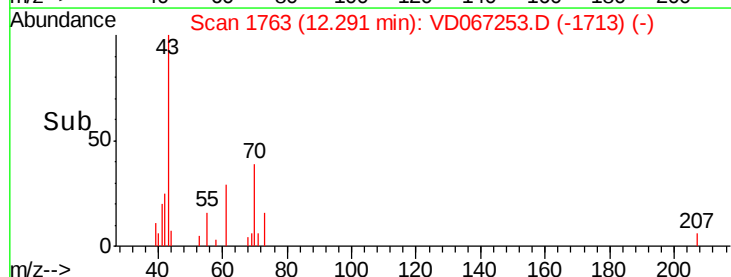
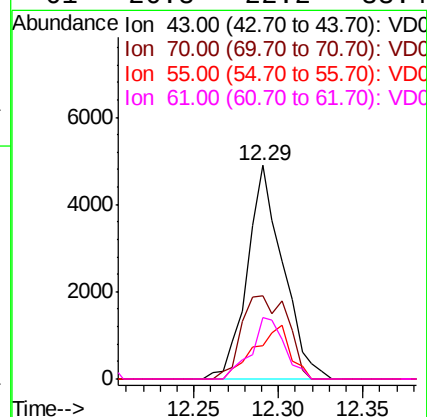
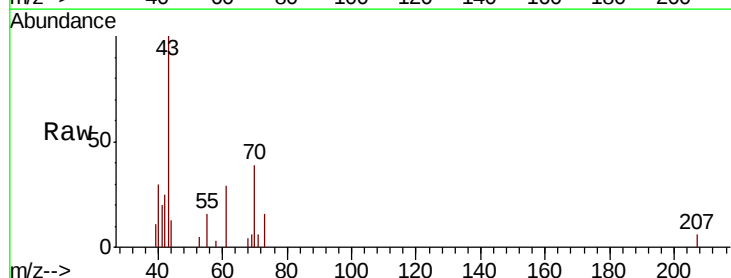
Ion Ratio Lower Upper

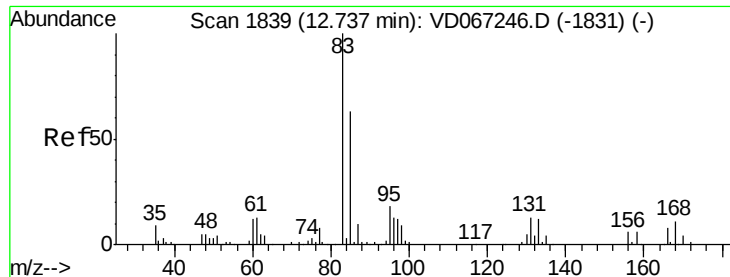
43 100

70 49.4 42.7 64.1

55 24.9 24.0 36.0

61 26.8 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 3.451 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

VD1014

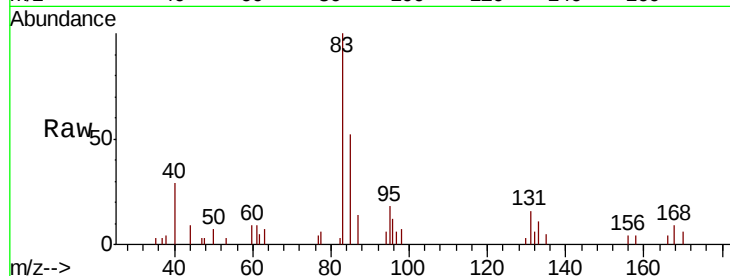
Tot Ion: 83 Resp: 8397

Ion Ratio Lower Upper

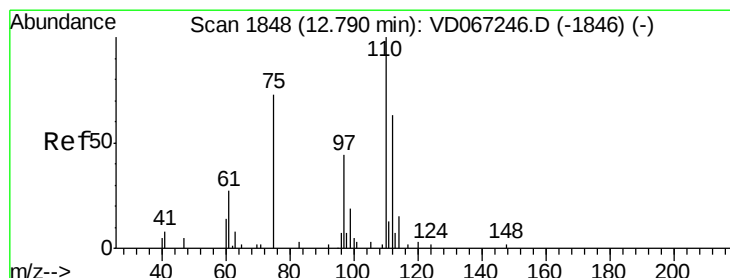
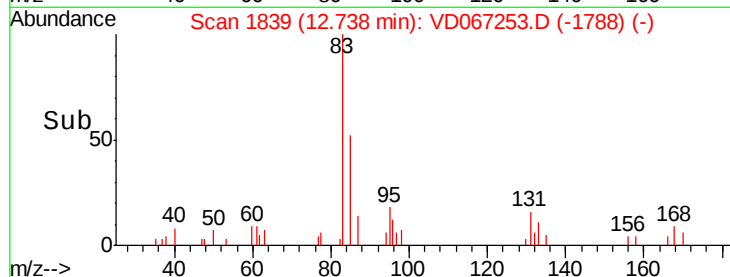
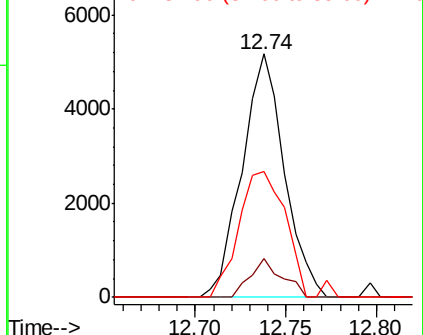
83 100

131 12.0 6.5 19.5

85 56.5 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: 5.986 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067253.D

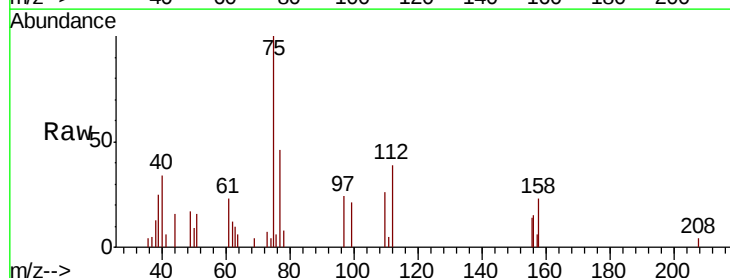
Acq: 13 Oct 2020 15:42

Tgt Ion: 75 Resp: 10380

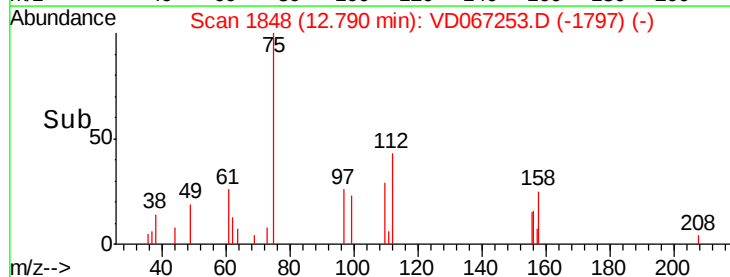
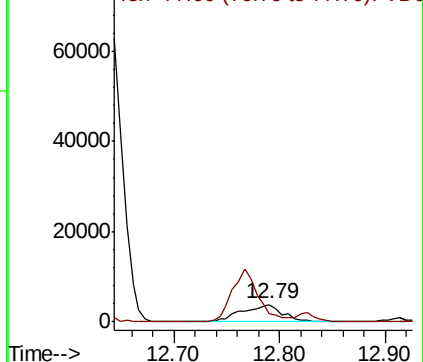
Ion Ratio Lower Upper

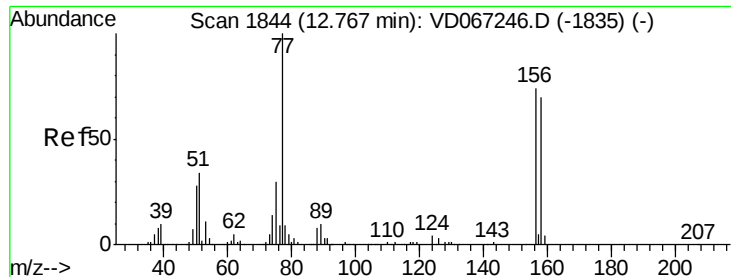
75 100

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: 3.296 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

VD1014

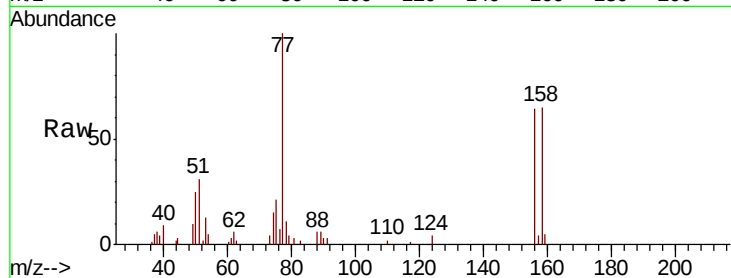
Tot Ion:156 Resp: 13050

Ion Ratio Lower Upper

156 100

77 153.0 78.0 233.8

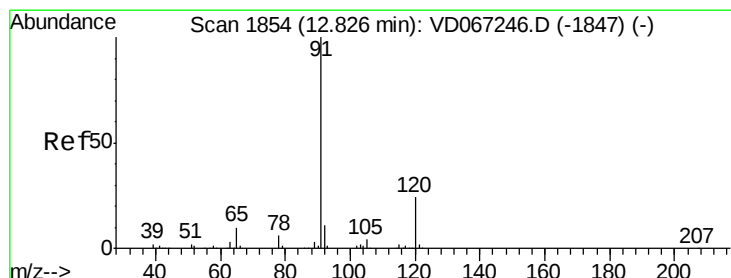
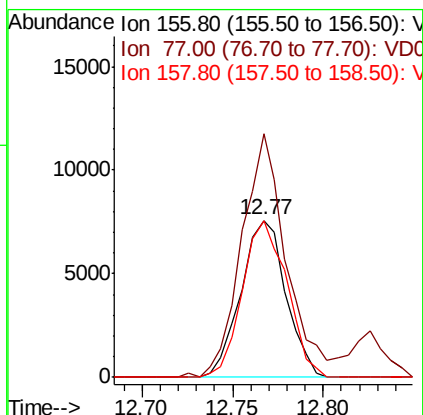
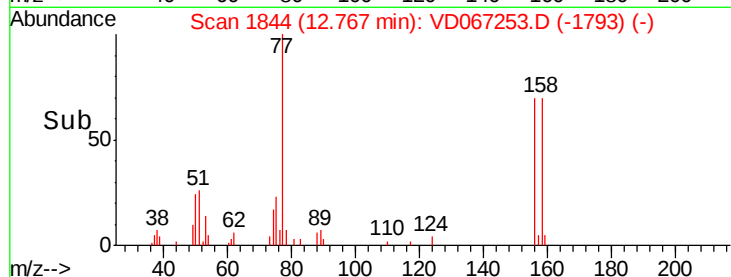
158 99.1 49.1 147.3



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: 3.100 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067253.D

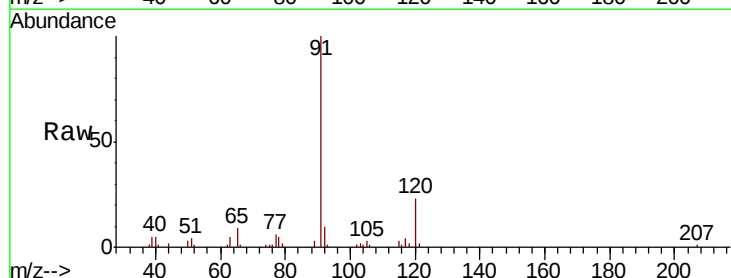
Acq: 13 Oct 2020 15:42

Tgt Ion: 91 Resp: 57043

Ion Ratio Lower Upper

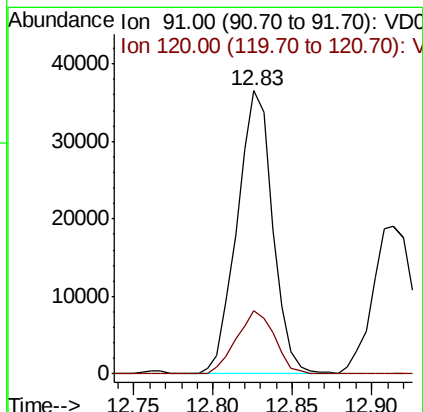
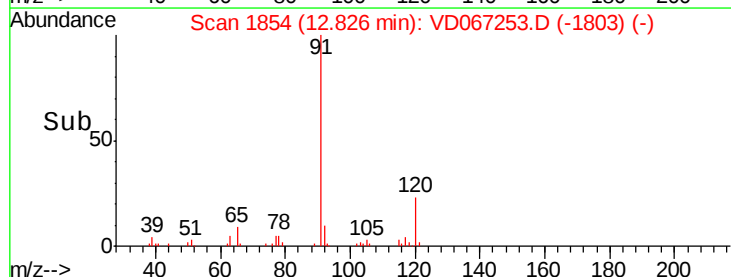
91 100

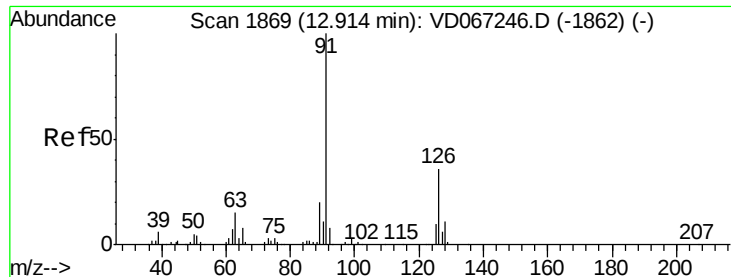
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.192 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

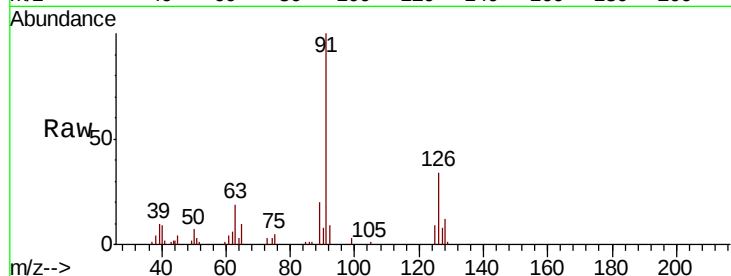
VD1014

Tot Ion: 91 Resp: 34060

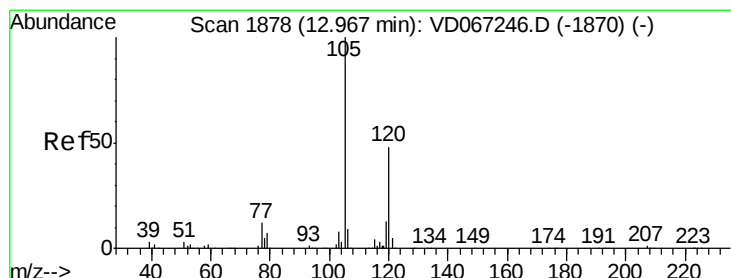
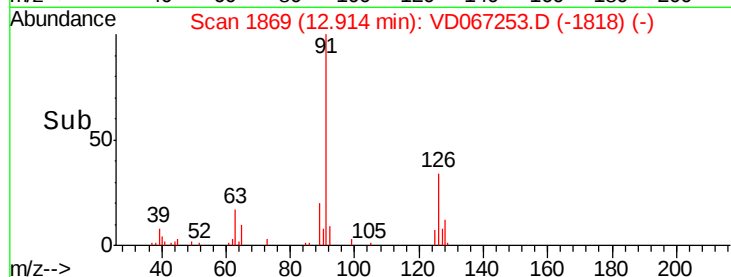
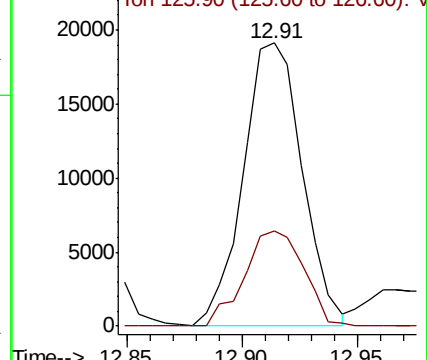
Ion Ratio Lower Upper

91 100

126 33.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 2.871 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067253.D

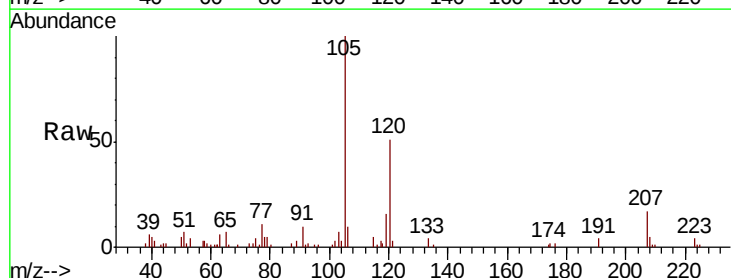
Acq: 13 Oct 2020 15:42

Tgt Ion:105 Resp: 39614

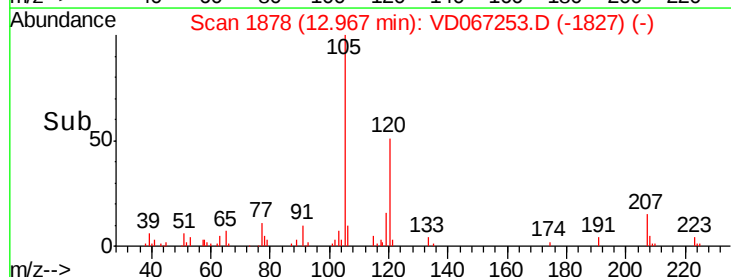
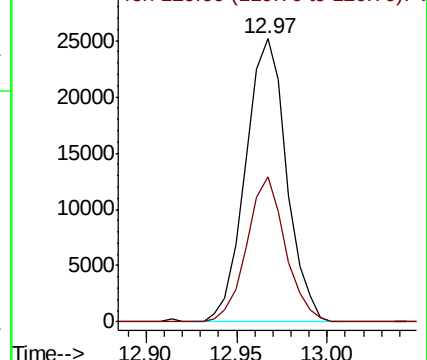
Ion Ratio Lower Upper

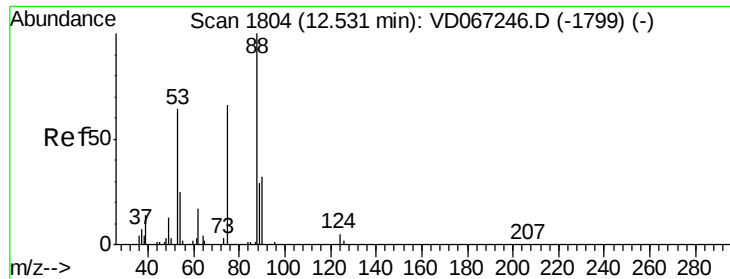
105 100

120 47.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

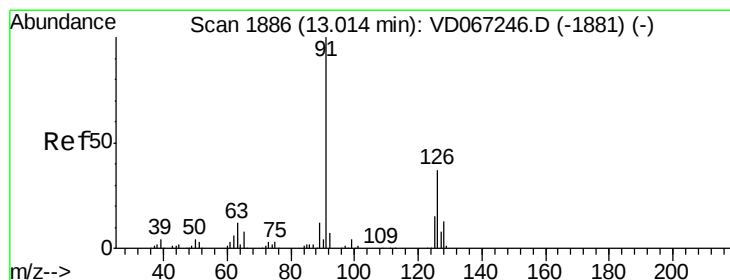
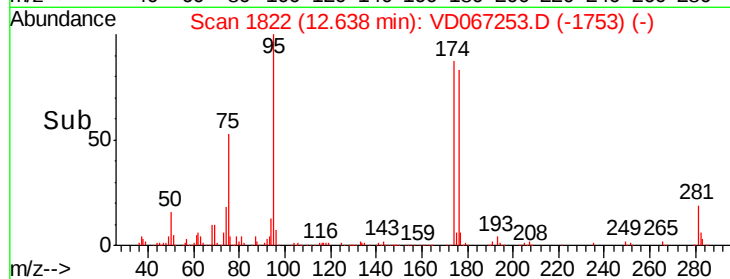
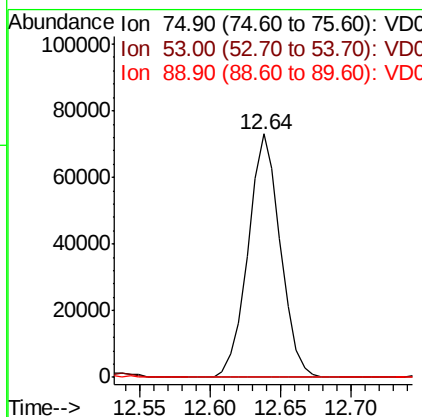
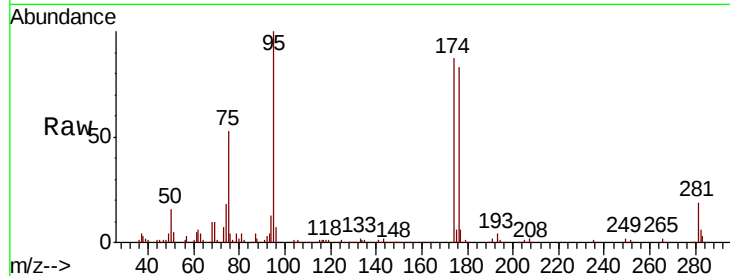




#81
trans-1,4-Dichloro-2-butene
Concen: 153.336 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

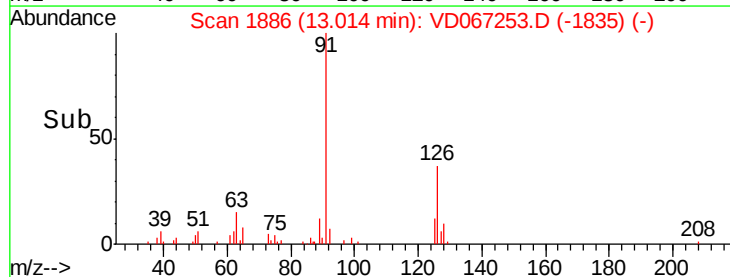
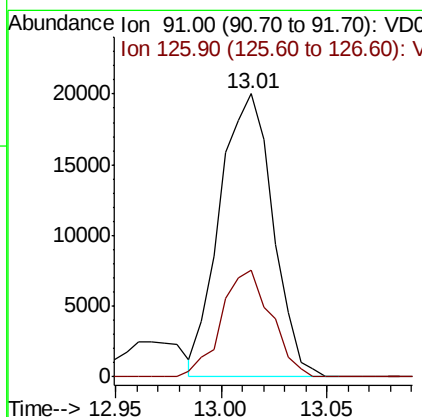
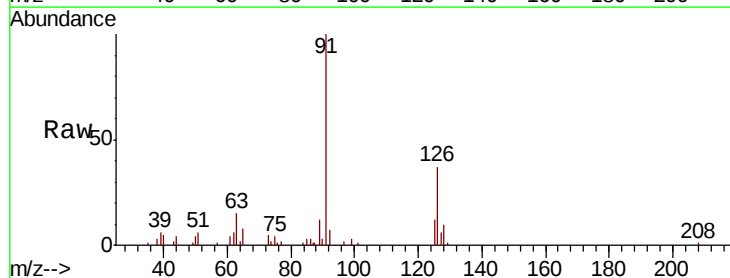
Instrument :
MSVOA_D
ClientSampleId :
VD1014

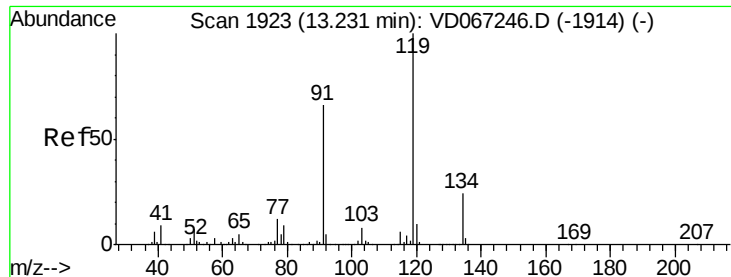
Tot Ion: 75 Resp: 117257
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.2 39.9 59.9#



#82
4-Chlorotoluene
Concen: 3.076 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 91 Resp: 34830
Ion Ratio Lower Upper
91 100
126 35.4 17.8 53.5

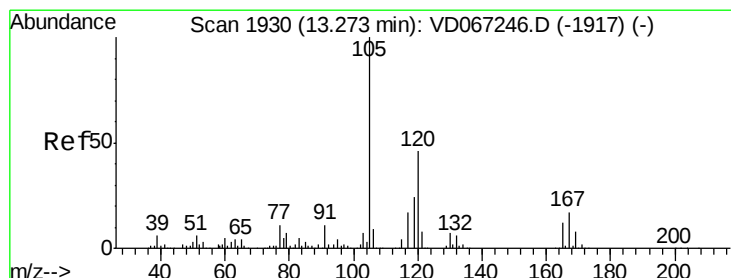
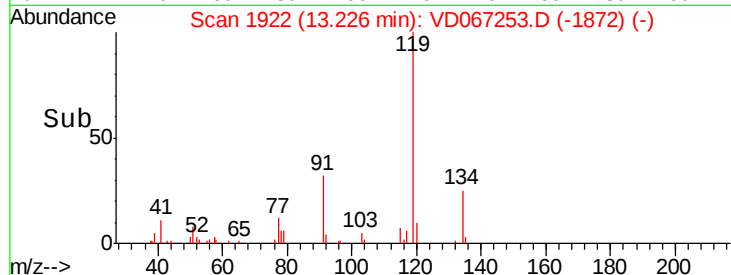
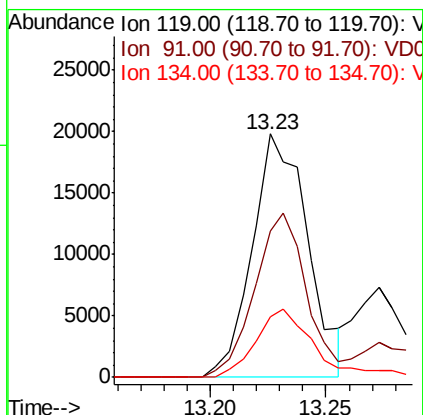
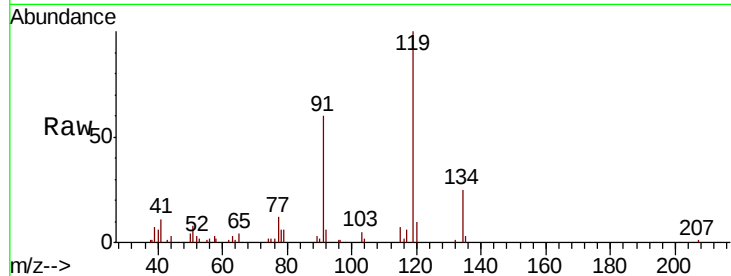




#83
tert-Butylbenzene
Concen: 2.839 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

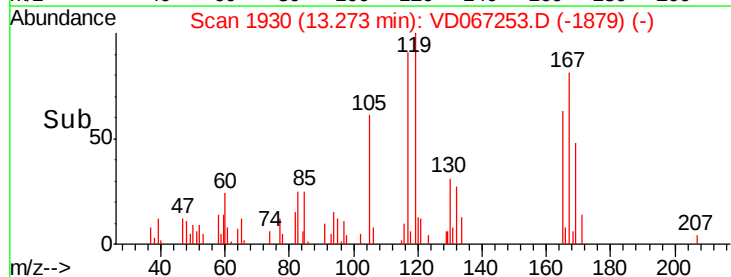
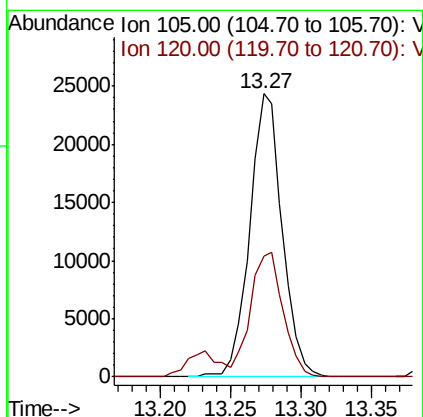
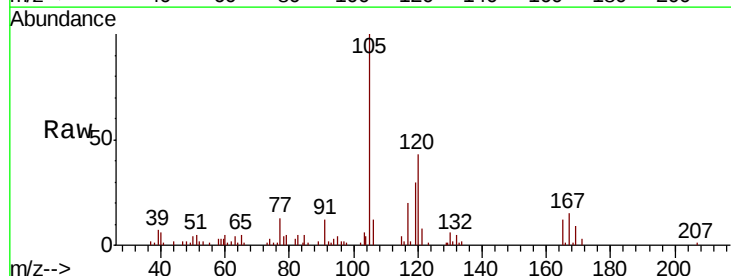
Instrument :
MSVOA_D
ClientSampleId :
VD1014

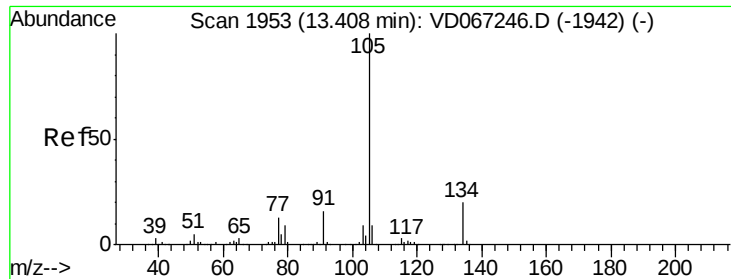
Tot Ion:119 Resp: 33097
Ion Ratio Lower Upper
119 100
91 62.8 33.1 99.2
134 29.6 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 2.883 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion:105 Resp: 39315
Ion Ratio Lower Upper
105 100
120 44.3 22.4 67.3





#85

sec-Butylbenzene

Concen: 2.861 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

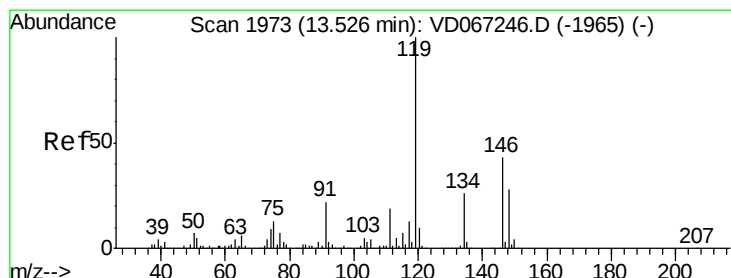
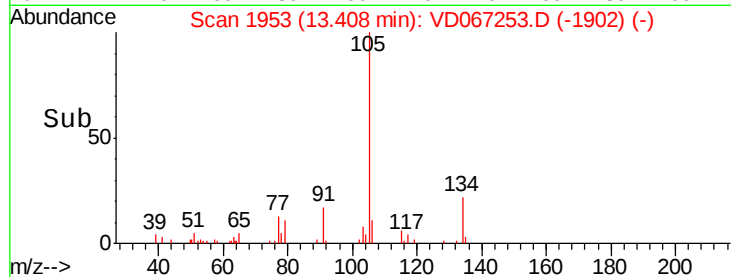
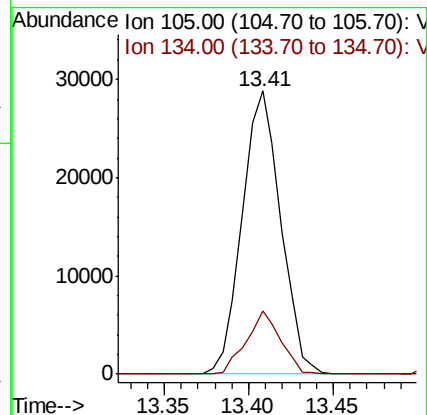
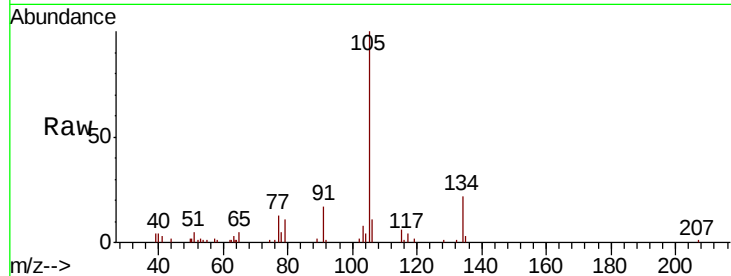
VD1014

Tot Ion:105 Resp: 45766

Ion Ratio Lower Upper

105 100

134 20.0 10.5 31.5



#86

p-Isopropyltoluene

Concen: 2.763 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

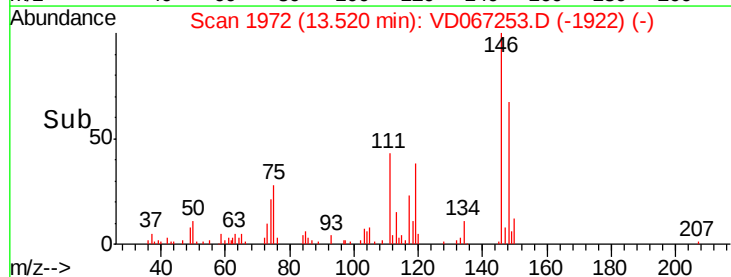
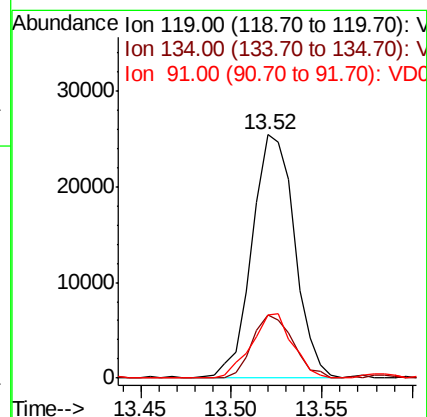
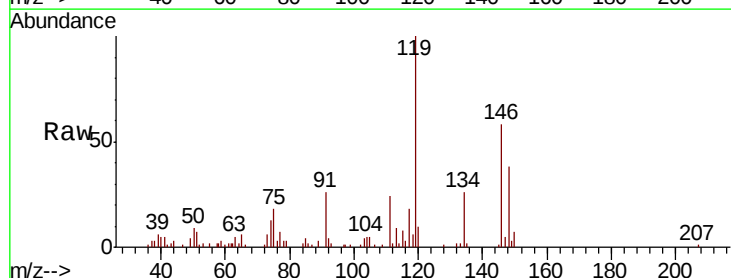
Tgt Ion:119 Resp: 41715

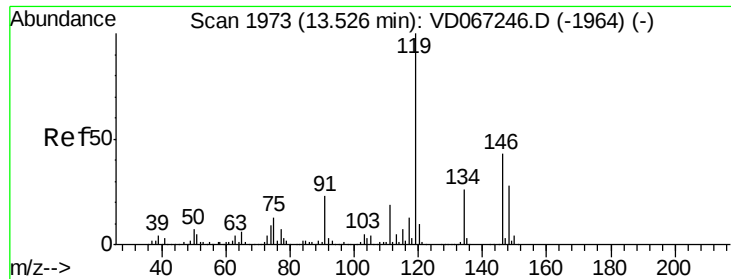
Ion Ratio Lower Upper

119 100

134 24.7 13.1 39.3

91 25.5 11.9 35.9

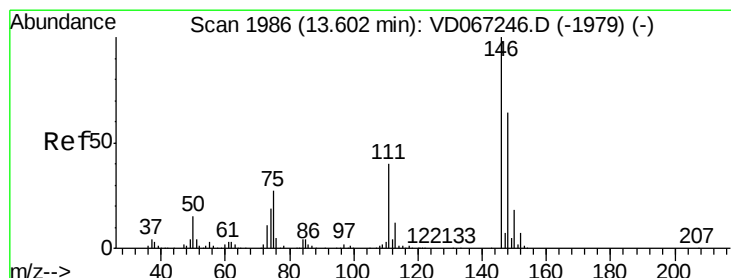
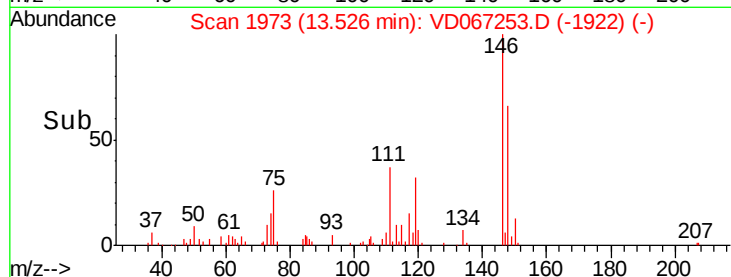
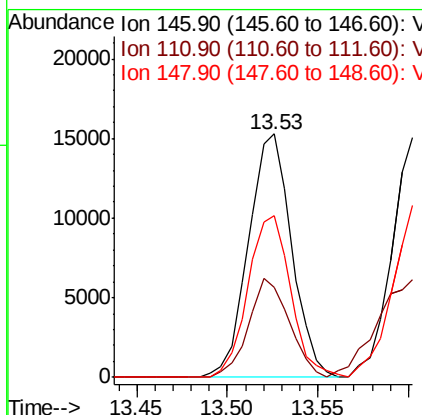
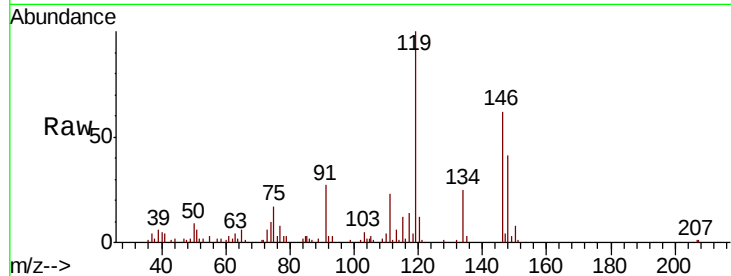




#87
 1,3-Dichlorobenzene
 Concen: 3.317 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

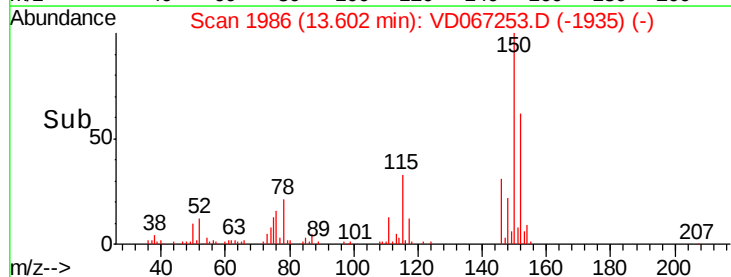
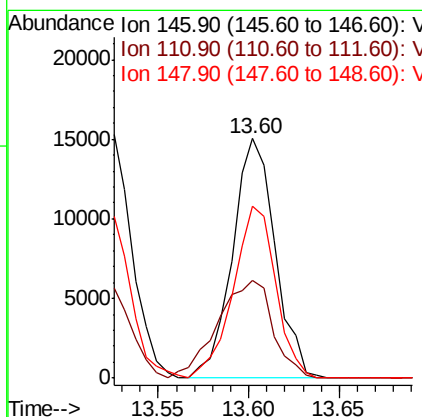
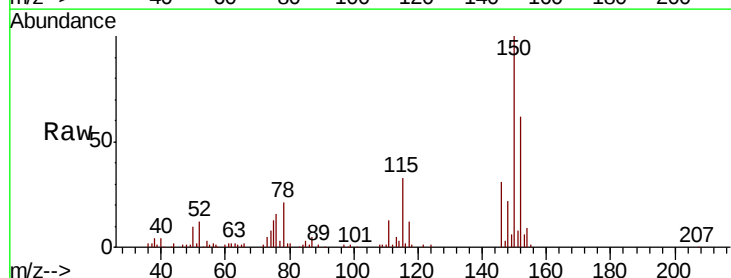
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014

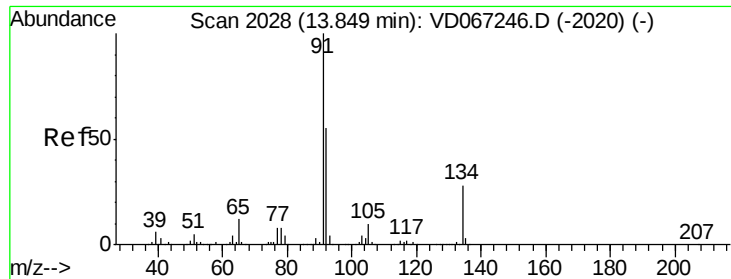
Tot Ion:146 Resp: 25272
 Ion Ratio Lower Upper
 146 100
 111 38.2 21.1 63.3
 148 65.7 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 3.270 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

Tgt Ion:146 Resp: 24685
 Ion Ratio Lower Upper
 146 100
 111 52.3 19.9 59.7
 148 71.0 31.9 95.9

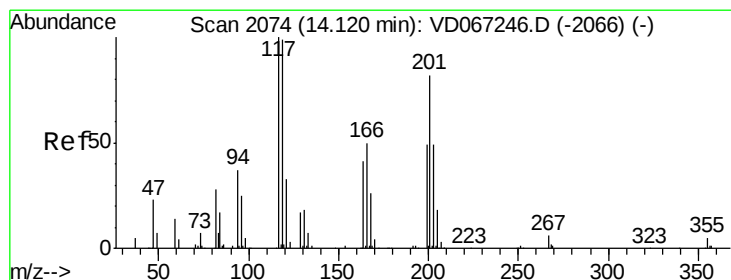
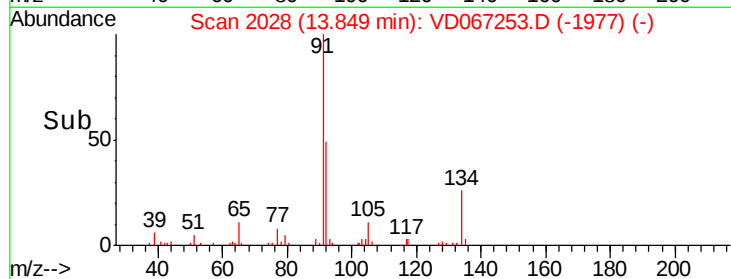
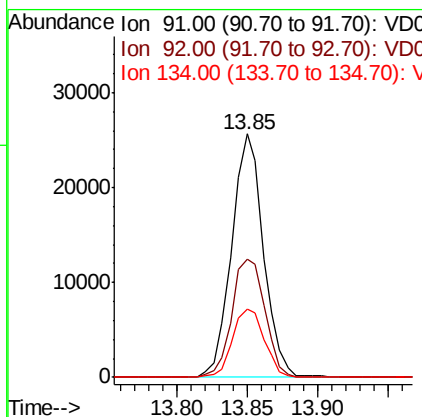
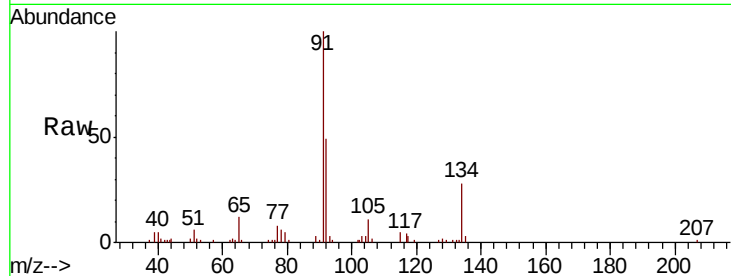




#89
n-Butylbenzene
Concen: 3.019 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

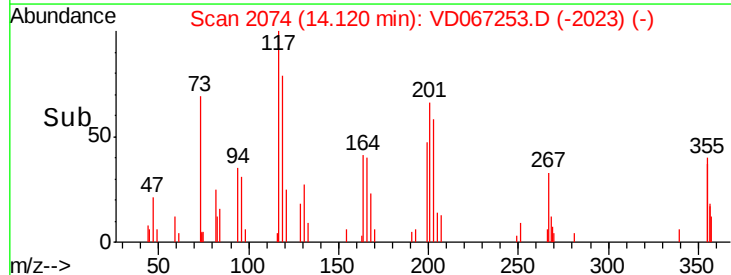
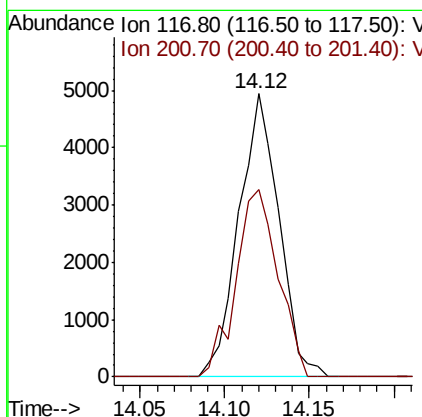
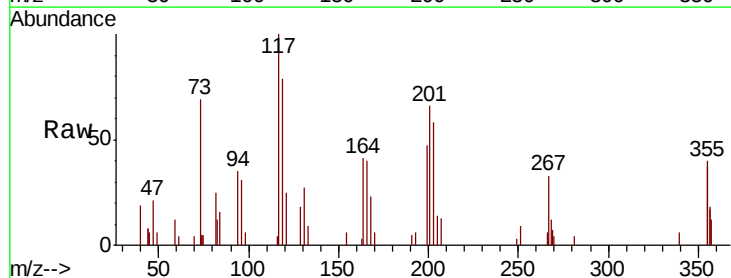
Instrument :
MSVOA_D
ClientSampleId :
VD1014

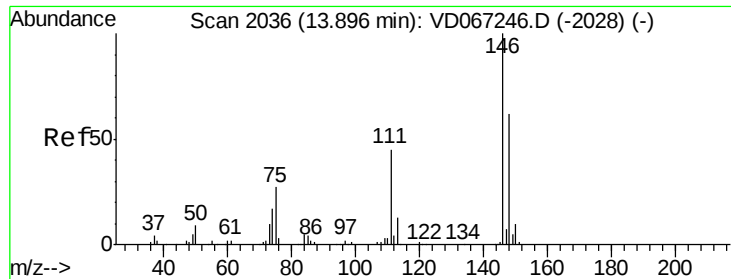
Tot Ion: 91 Resp: 40096
Ion Ratio Lower Upper
91 100
92 50.6 26.7 80.0
134 28.0 14.2 42.6



#90
Hexachloroethane
Concen: 3.109 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion: 117 Resp: 8190
Ion Ratio Lower Upper
117 100
201 69.5 40.8 122.2





#91

1,2-Dichlorobenzene

Concen: 3.215 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

VD1014

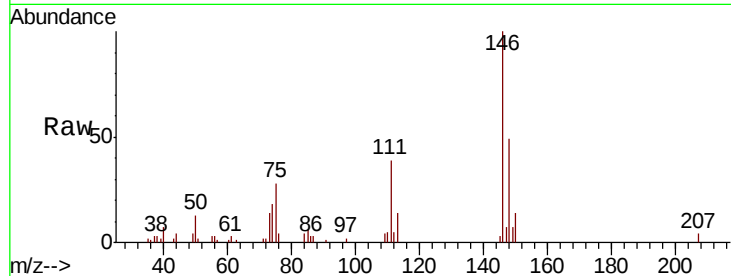
Tot Ion:146 Resp: 21400

Ion Ratio Lower Upper

146 100

111 40.2 22.0 66.0

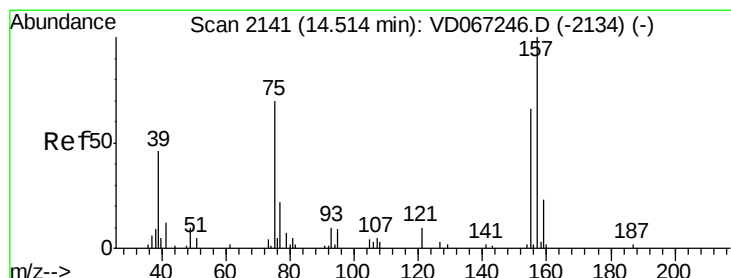
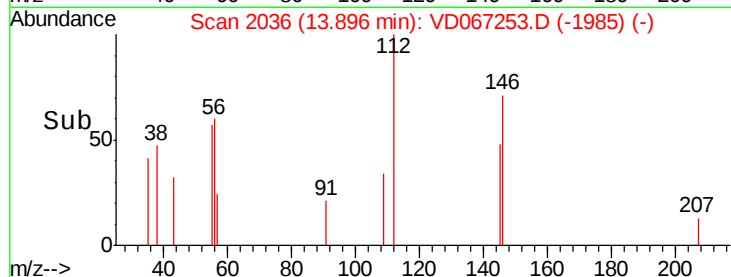
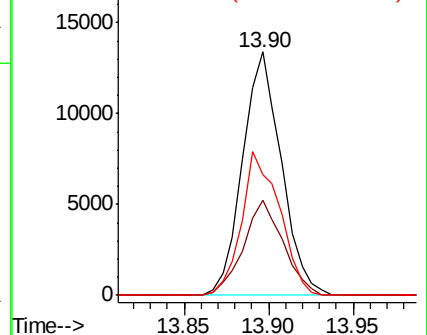
148 57.9 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.197 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD067253.D

Acq: 13 Oct 2020 15:42

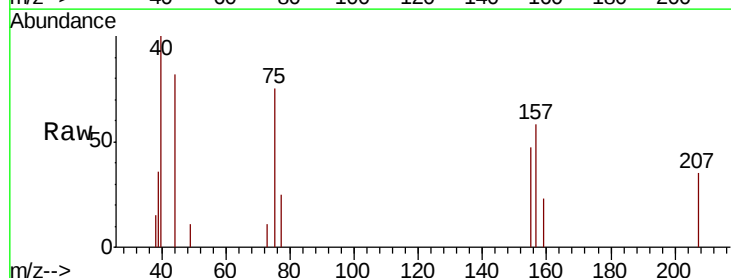
Tgt Ion: 75 Resp: 1413

Ion Ratio Lower Upper

75 100

155 81.7 44.8 134.4

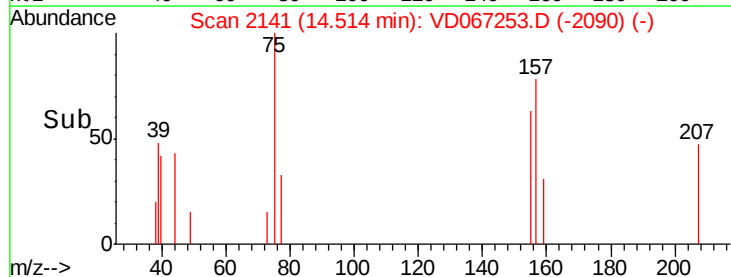
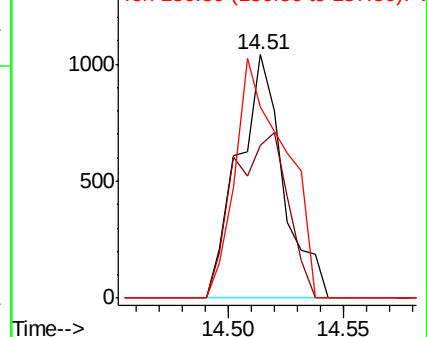
157 108.4 62.5 187.4

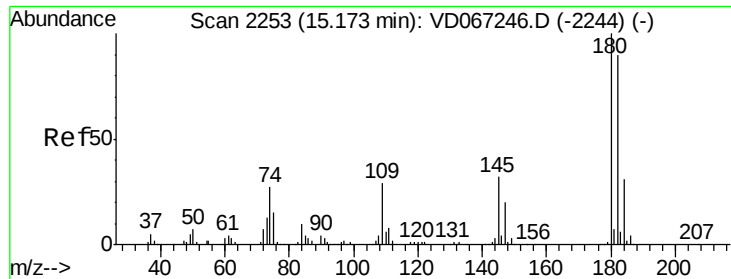


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

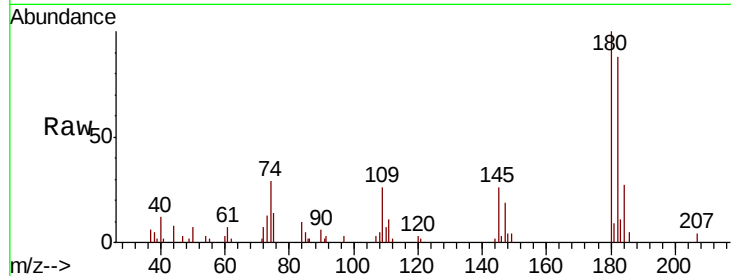




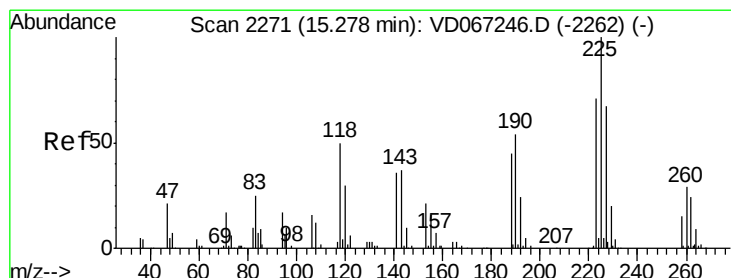
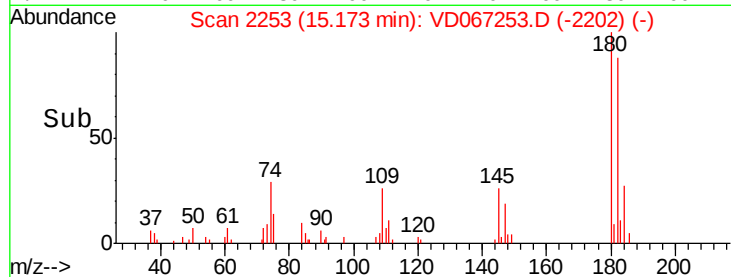
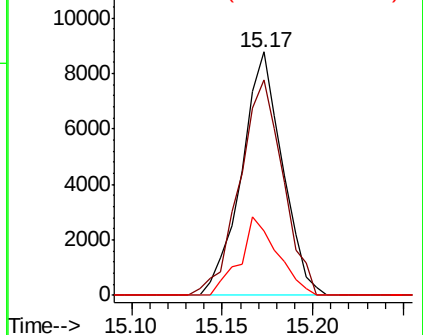
#93
 1,2,4-Trichlorobenzene
 Concen: 3.065 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1014

Tot Ion:180 Resp: 13756
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.1 144.4
 145 29.7 16.3 48.9

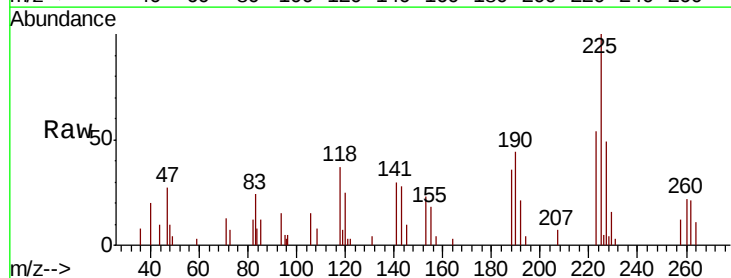


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

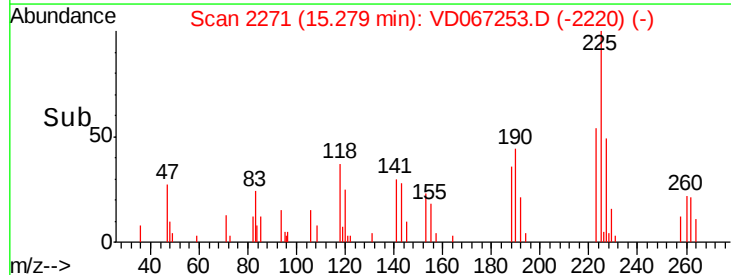
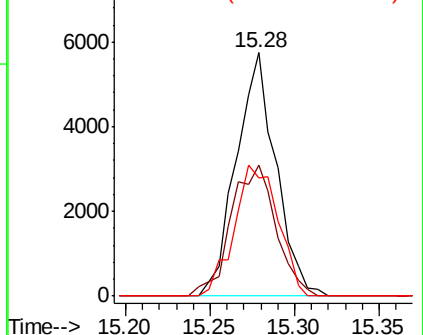


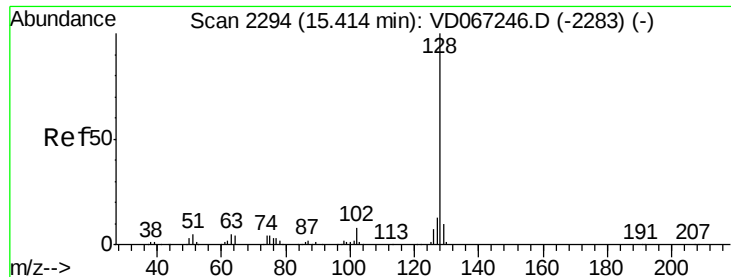
#94
 Hexachlorobutadiene
 Concen: 3.376 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067253.D
 Acq: 13 Oct 2020 15:42

Tgt Ion:225 Resp: 9410
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.9 95.7
 227 59.2 31.2 93.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

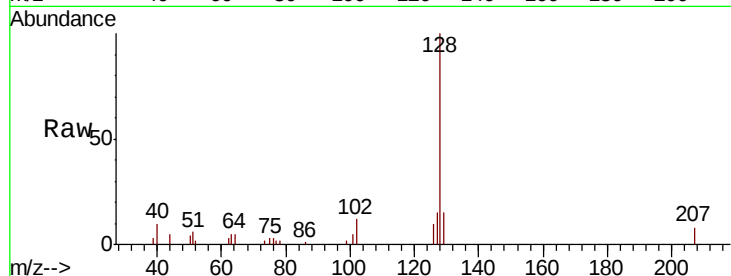




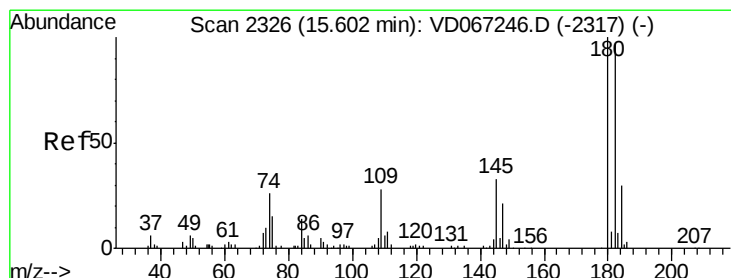
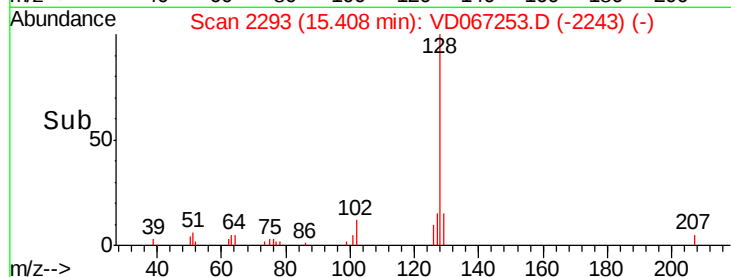
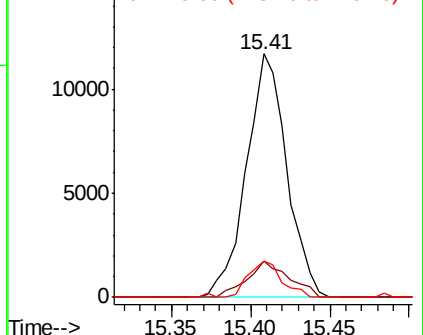
#95
Naphthalene
Concen: 2.813 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :
VD1014

Tot Ion:128 Resp: 20727
Ion Ratio Lower Upper
128 100
127 15.3 10.4 15.6
129 12.3 8.6 12.8

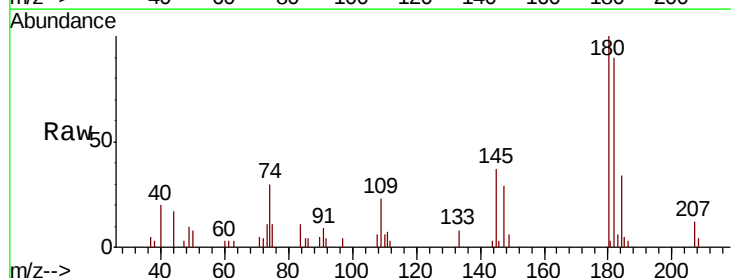


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.169 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD067253.D
Acq: 13 Oct 2020 15:42

Tgt Ion:180 Resp: 12289
Ion Ratio Lower Upper
180 100
182 90.7 48.1 144.3
145 34.9 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

