

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067434.D
 Acq On : 28 Oct 2020 15:21
 Operator : VA/SY
 Sample : L4528-03RE
 Misc : 2.80G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-24245RE

Quant Time: Oct 29 00:45:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	10739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	16873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	18579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	10919	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	7323	68.06	ug/l	0.00
Spiked Amount			Recovery	=	136.12%	
35) Dibromofluoromethane	7.92	113	4186	37.28	ug/l	0.00
Spiked Amount			Recovery	=	74.56%	
50) Toluene-d8	10.34	98	22920	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	
62) 4-Bromofluorobenzene	12.63	95	14208	100.55	ug/l	0.00
Spiked Amount			Recovery	=	201.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	185	2.737	ug/l #	41
5) Bromomethane	2.79	94	1611	30.293	ug/l #	76
6) Chloroethane	2.81	64	67	1.451	ug/l #	40
10) Methyl Iodide	4.31	142	709	7.747	ug/l #	79
18) Methyl Acetate	4.67	43	72	2.095	ug/l #	41
27) cis-1,2-Dichloroethene	7.16	96	114	1.020	ug/l #	1
29) Tetrahydrofuran	7.59	42	62	6.494	ug/l #	26
36) 1,1-Dichloropropene	7.98	75	597	4.175	ug/l #	39
38) Carbon Tetrachloride	7.98	117	1127	6.166	ug/l #	13
39) Methylcyclohexane	9.35	83	379	2.535	ug/l #	22
41) Methacrylonitrile	7.53	41	140	6.157	ug/l #	37
43) Isopropyl Acetate	8.47	43	201	2.407	ug/l #	45
46) Dibromomethane	9.48	93	225	3.972	ug/l #	1
47) Bromodichloromethane	9.67	83	263	1.733	ug/l #	24
48) Methyl methacrylate	9.48	41	624	15.380	ug/l #	33
51) 4-Methyl-2-Pentanone	10.24	43	648	15.561	ug/l #	31
55) 1,1,2-Trichloroethane	10.79	97	1716	22.213	ug/l #	17
56) Ethyl methacrylate	10.67	69	654	8.163	ug/l #	44
58) 2-Chloroethyl Vinyl ether	10.01	63	58	1.411	ug/l #	40
59) 2-Hexanone	10.99	43	630	22.140	ug/l #	22
60) Dibromochloromethane	11.20	129	133	1.181	ug/l	64
61) 1,2-Dibromoethane	11.34	107	1402	18.409	ug/l	88
64) Tetrachloroethene	10.85	164	300	2.229	ug/l #	1
65) Chlorobenzene	11.67	112	402	1.128	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.85	131	600	4.237	ug/l	72
67) Ethyl Benzene	11.74	91	1049	1.718	ug/l	97
68) m/p-Xylenes	11.84	106	297	1.263	ug/l #	31
69) o-Xylene	12.15	106	689	3.164	ug/l	85
71) Bromoform	12.36	173	258	3.392	ug/l #	29
74) N-amyl acetate	12.31	43	514	4.911	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.73	83	603	5.679	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	4981	65.817	ug/l #	100
78) n-propylbenzene	12.83	91	891	1.110	ug/l	84
79) 2-Chlorotoluene	12.91	91	1054	2.264	ug/l	80

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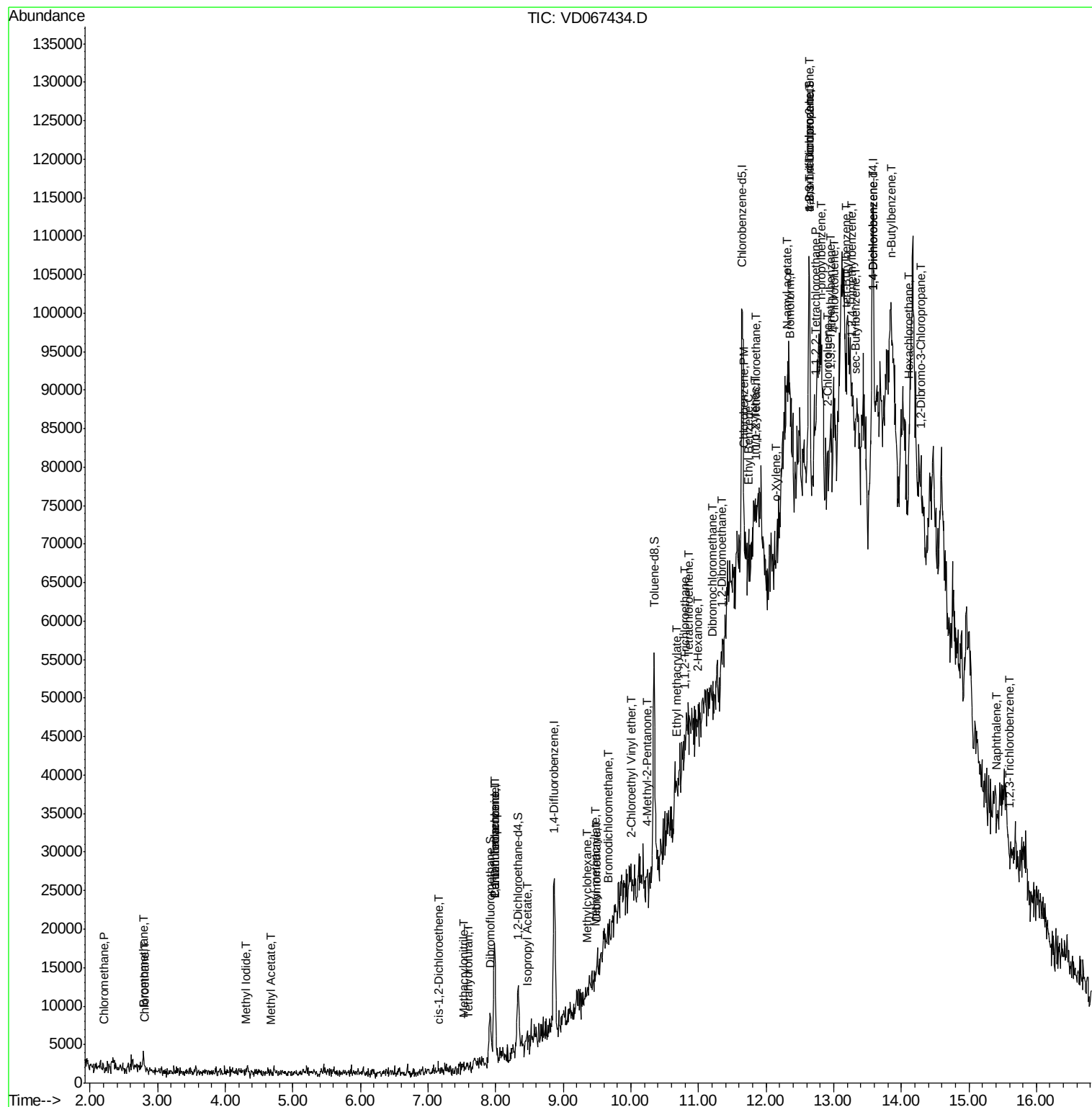
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.96	105	1094	1.817	ug/l	76
81) trans-1,4-Dichloro-2-buten	12.64	75	4981	149.254	ug/l #	22
82) 4-Chlorotoluene	13.01	91	496	1.004	ug/l	80
83) tert-Butylbenzene	13.18	119	665	1.307	ug/l	92
84) 1,2,4-Trimethylbenzene	13.27	105	803	1.349	ug/l	82
85) sec-Butylbenzene	13.33	105	1404	2.011	ug/l	87
88) 1,4-Dichlorobenzene	13.59	146	667	2.024	ug/l #	75
89) n-Butylbenzene	13.85	91	1585	2.735	ug/l	90
90) Hexachloroethane	14.11	117	396	3.444	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.28	75	55	2.851	ug/l #	1
95) Naphthalene	15.41	128	1049	3.262	ug/l #	26
96) 1,2,3-Trichlorobenzene	15.60	180	228	1.347	ug/l #	37

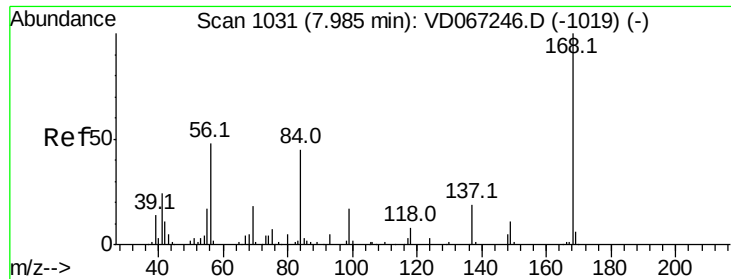
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

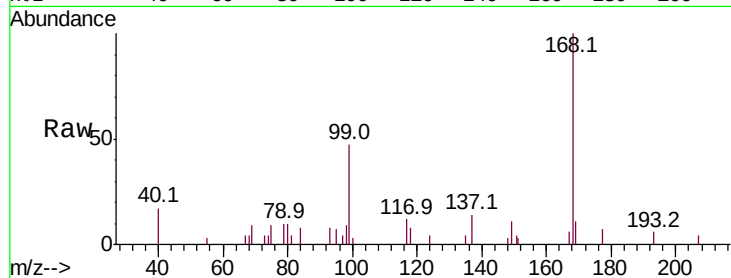
CHRT-24245RE

Tot Ion:168 Resp: 10739

Ion Ratio Lower Upper

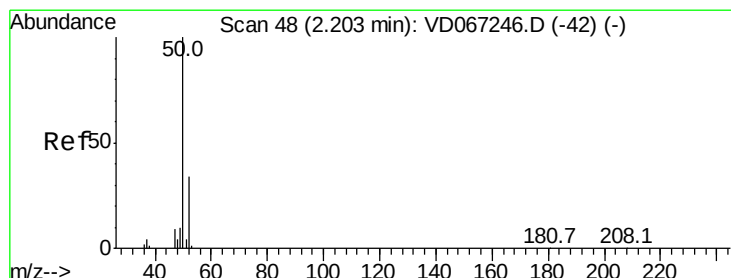
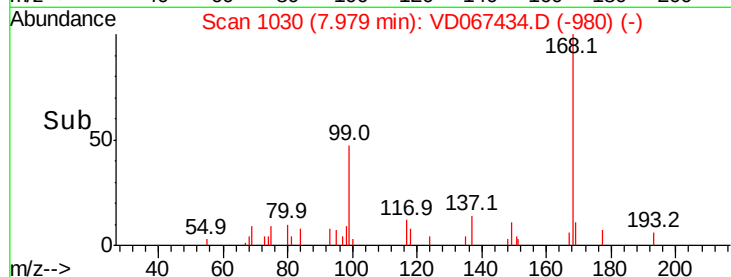
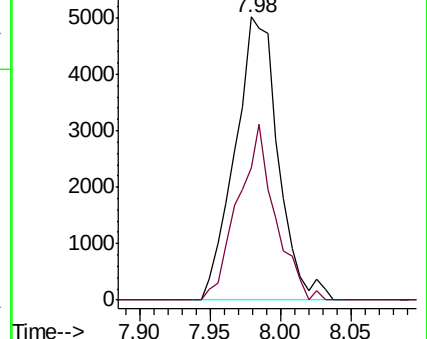
168 100

99 46.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 2.737 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067434.D

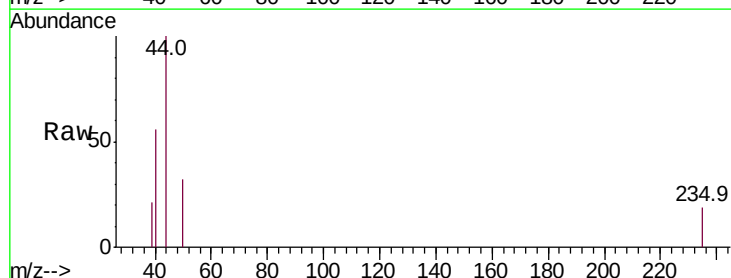
Acq: 28 Oct 2020 15:21

Tgt Ion: 50 Resp: 185

Ion Ratio Lower Upper

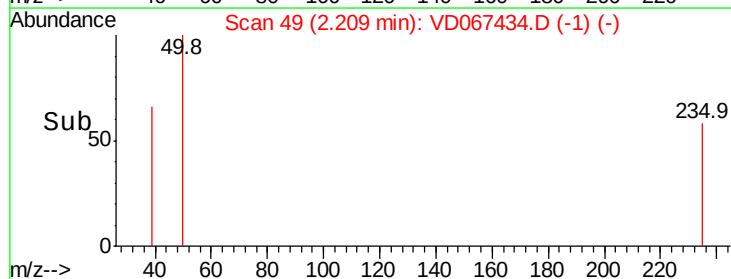
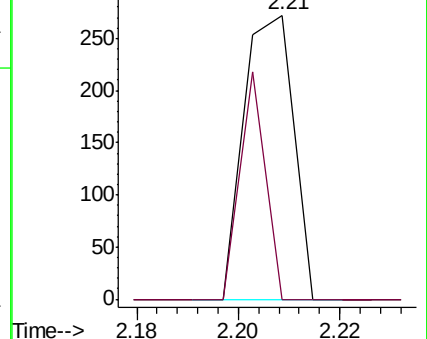
50 100

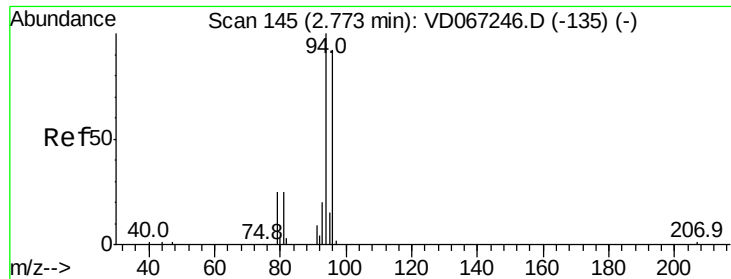
52 0.0 27.1 40.7#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 30.293 ug/l

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

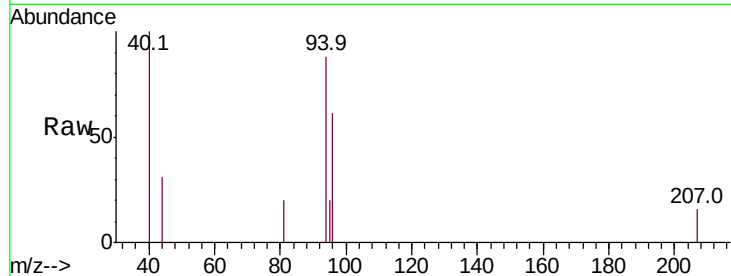
CHRT-24245RE

Tot Ion: 94 Resp: 1611

Ion Ratio Lower Upper

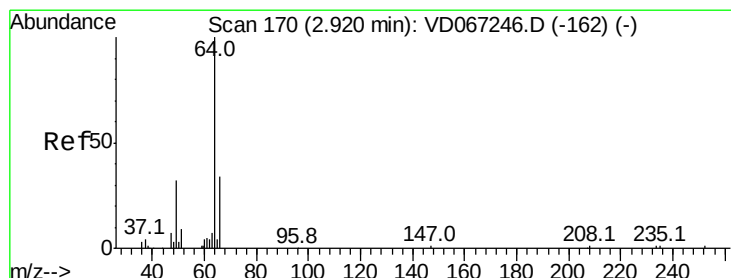
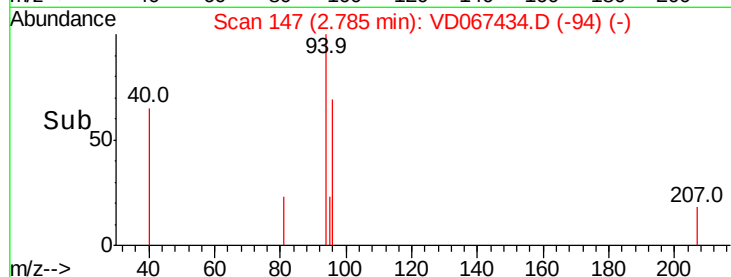
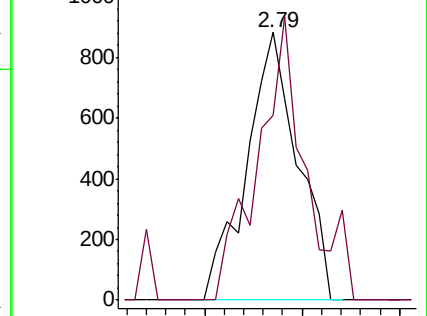
94 100

96 69.0 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: 1.451 ug/l

RT: 2.81 min Scan# 152

Delta R.T. -0.11 min

Lab File: VD067434.D

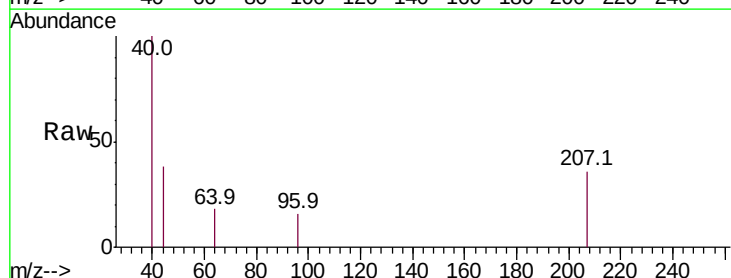
Acq: 28 Oct 2020 15:21

Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

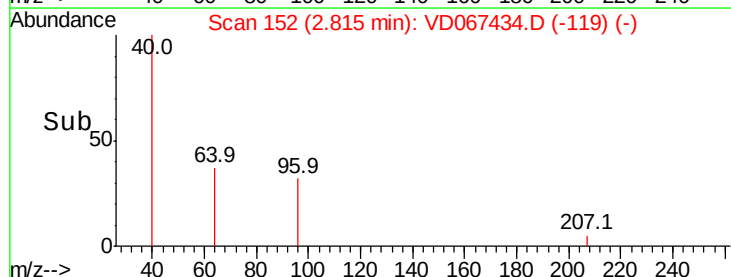
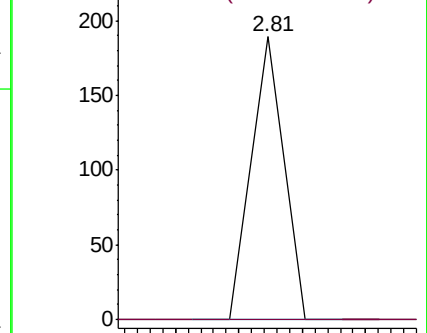
64 100

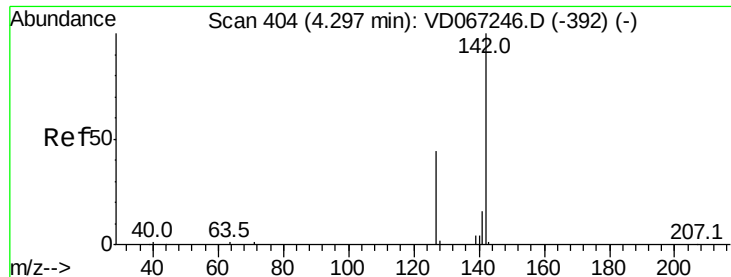
66 0.0 27.4 41.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

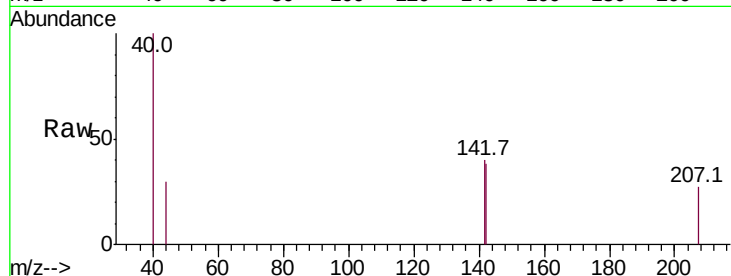




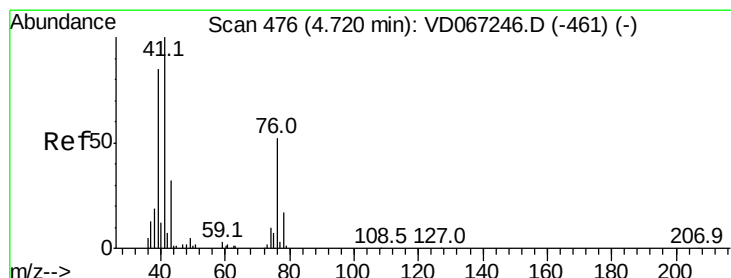
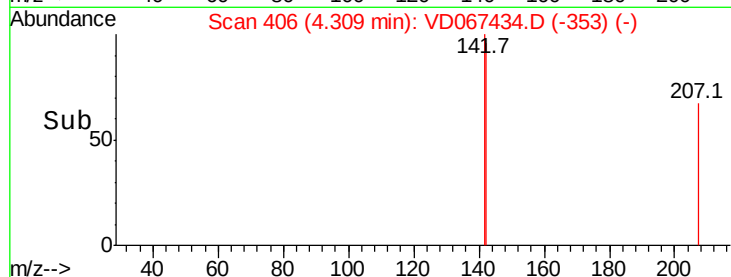
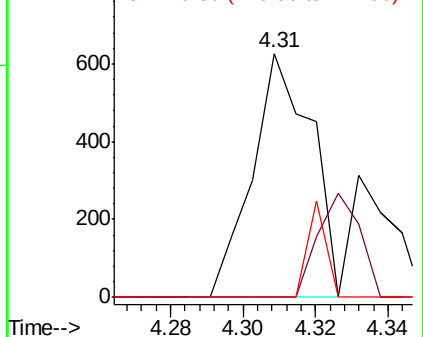
#10
Methyl Iodide
Concen: 7.747 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.01 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Instrument :
MSVOA_D
ClientSampleId :
CHRT-24245RE

Tot Ion:142 Resp: 709
Ion Ratio Lower Upper
142 100
127 30.5 38.4 57.6#
141 12.4 11.6 17.4

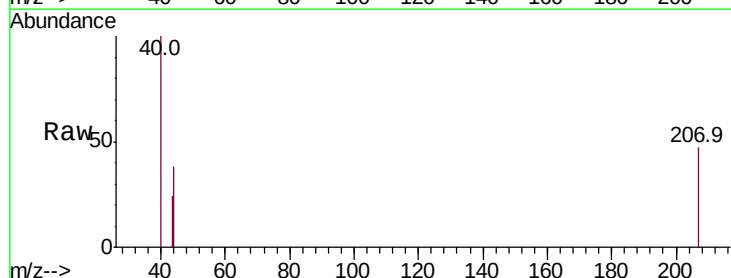


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

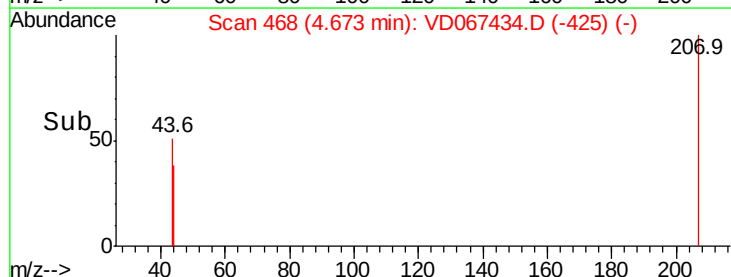
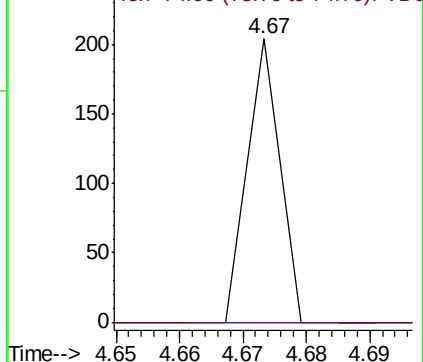


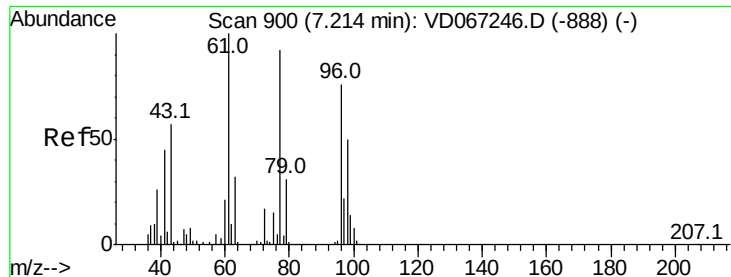
#18
Methyl Acetate
Concen: 2.095 ug/l
RT: 4.67 min Scan# 468
Delta R.T. -0.05 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC



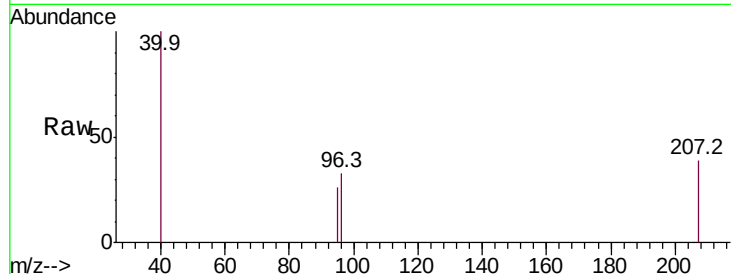


#27

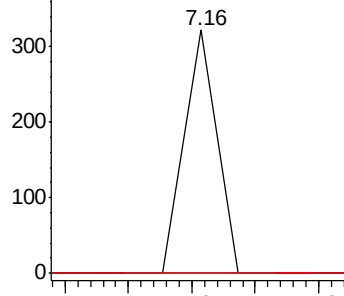
cis-1,2-Dichloroethene
Concen: 1.020 ug/l
RT: 7.16 min Scan# 891
Delta R.T. -0.05 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Instrument :
MSVOA_D
ClientSampleId :
CHRT-24245RE

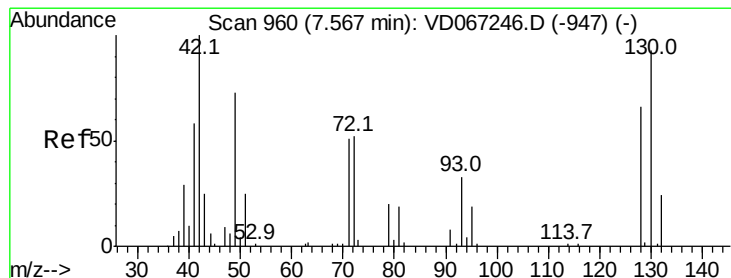
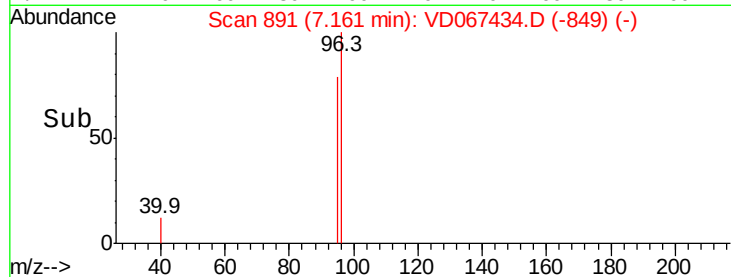
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	255.4
98	0.0	0.0	128.0



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



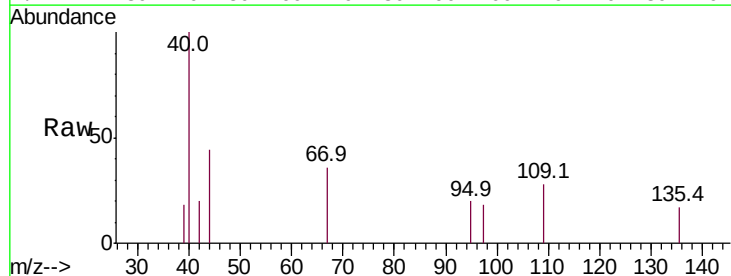
Time--> 7.14 7.15 7.16 7.17 7.18



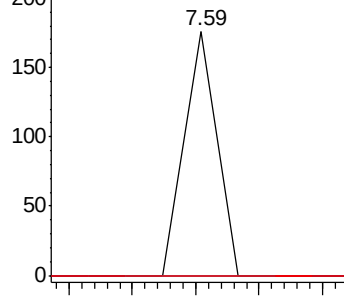
#29

Tetrahydrofuran
Concen: 6.494 ug/l
RT: 7.59 min Scan# 964
Delta R.T. 0.02 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

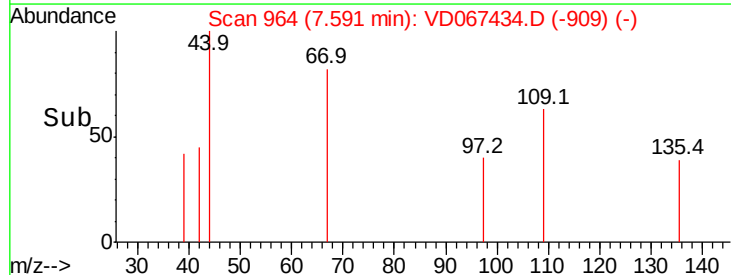
Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.2	64.8#
71	0.0	39.4	59.0#

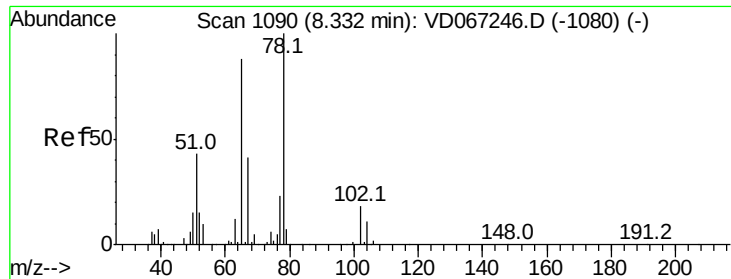


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



Time--> 7.57 7.58 7.59 7.60 7.61

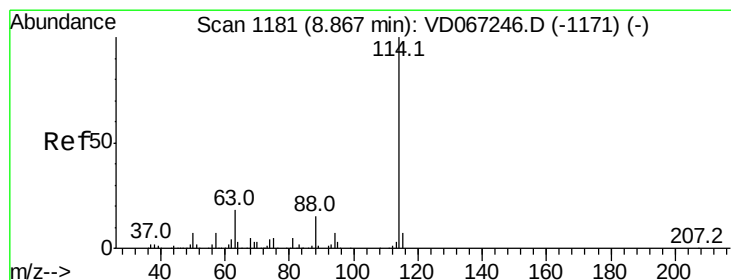
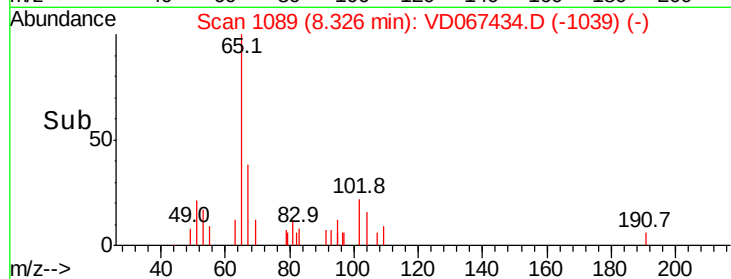
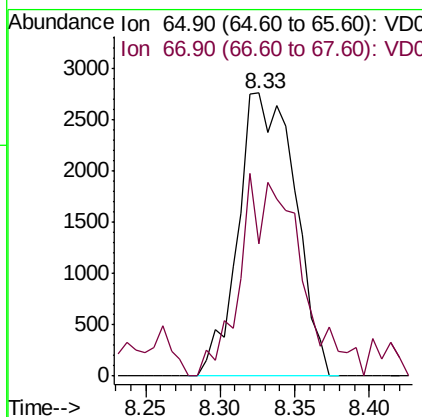
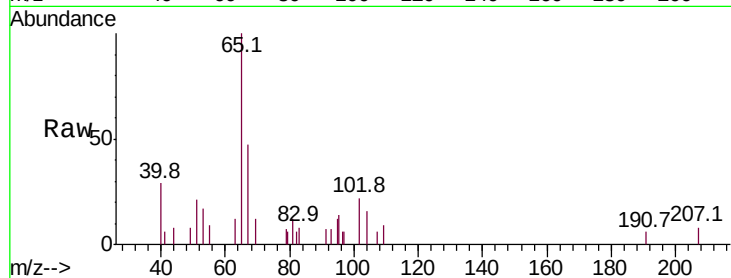




#33
 1,2-Dichloroethane-d4
 Concen: 68.065 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD067434.D
 Acq: 28 Oct 2020 15:21

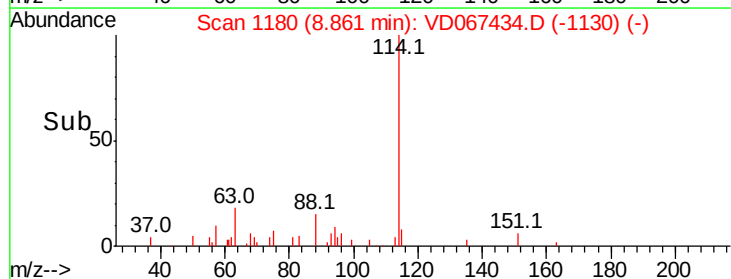
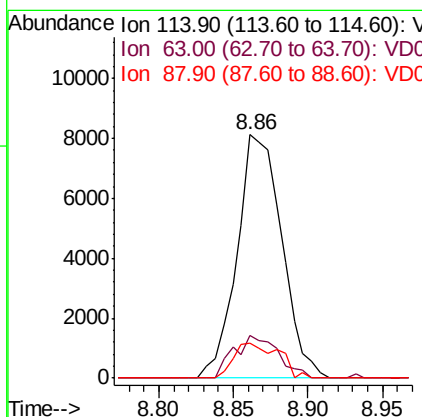
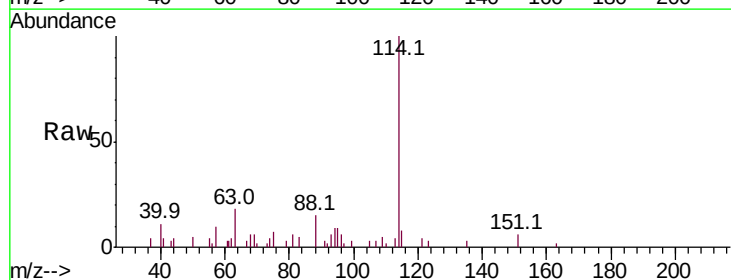
Instrument :
 MSVOA_D
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 CHRT-24245RE

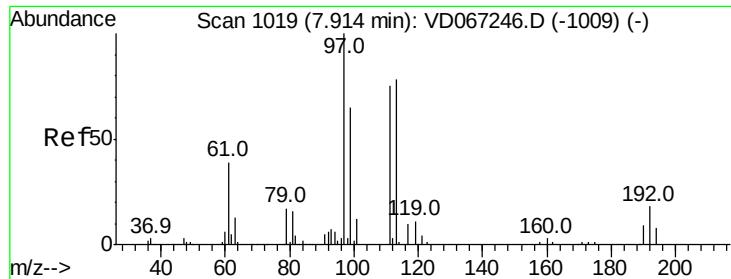
Tot Ion: 65 Resp: 7323
 Ion Ratio Lower Upper
 65 100
 67 74.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD067434.D
 Acq: 28 Oct 2020 15:21

Tgt Ion: 114 Resp: 16873
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.0
 88 14.6 0.0 30.6

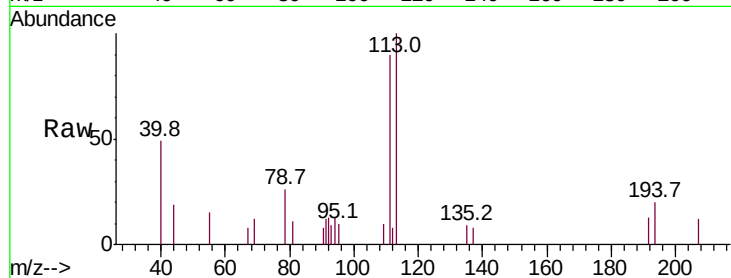




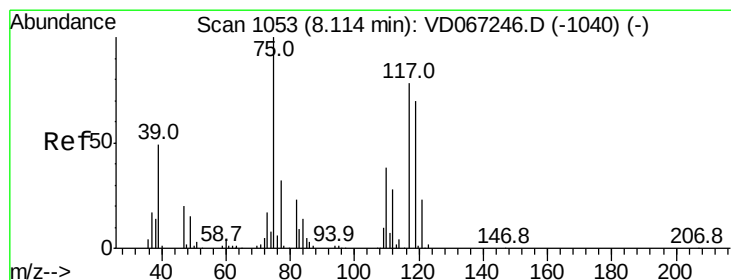
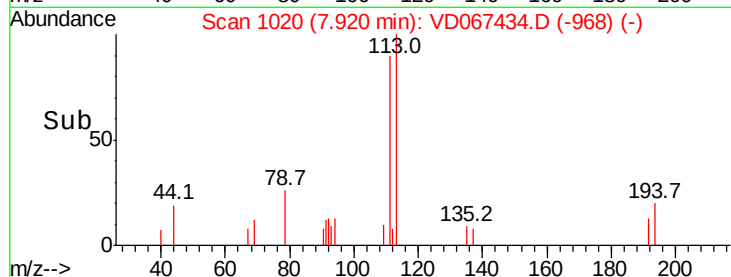
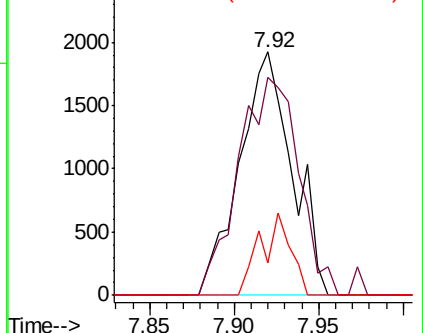
#35
Dibromofluoromethane
Concen: 37.278 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Instrument :
MSVOA_D
ClientSampleId :
CHRT-24245RE

Tot Ion:113 Resp: 4186
Ion Ratio Lower Upper
113 100
111 101.6 81.6 122.4
192 19.3 17.0 25.4

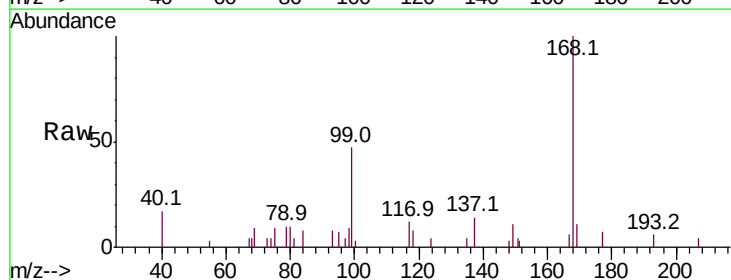


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

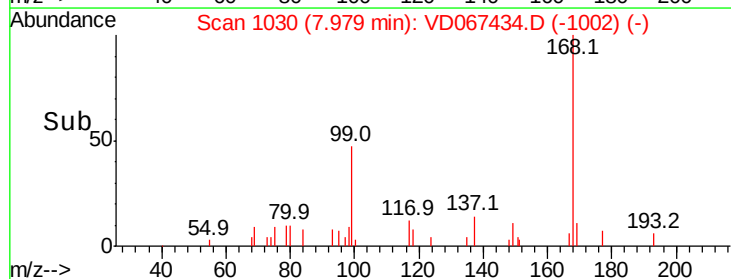
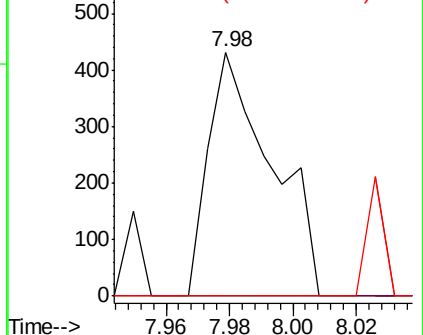


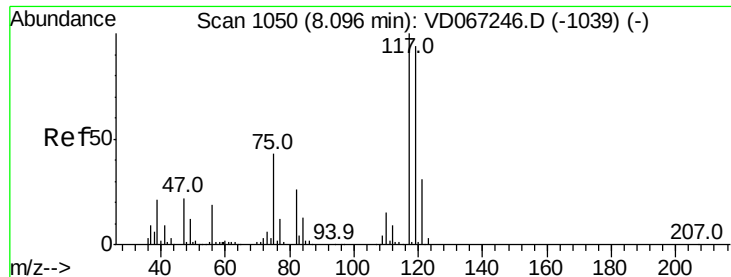
#36
1,1-Dichloropropene
Concen: 4.175 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Tgt Ion: 75 Resp: 597
Ion Ratio Lower Upper
75 100
110 0.0 19.6 58.7#
77 0.0 24.6 37.0#



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





#38

Carbon Tetrachloride

Concen: 6.166 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24245RE

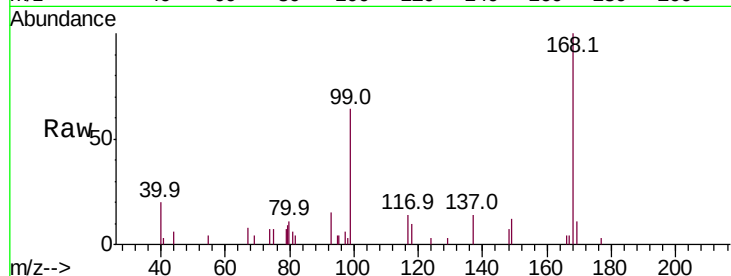
Tot Ion:117 Resp: 1127

Ion Ratio Lower Upper

117 100

119 0.0 75.0 112.4#

121 0.0 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

7.98

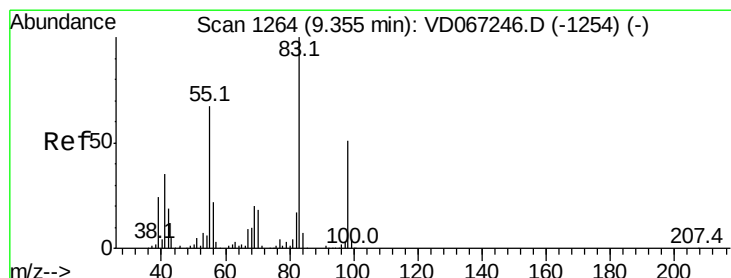
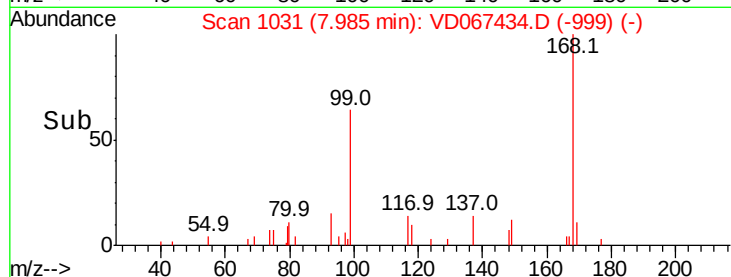
600

400

200

0

Time-->



#39

Methylcyclohexane

Concen: 2.535 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

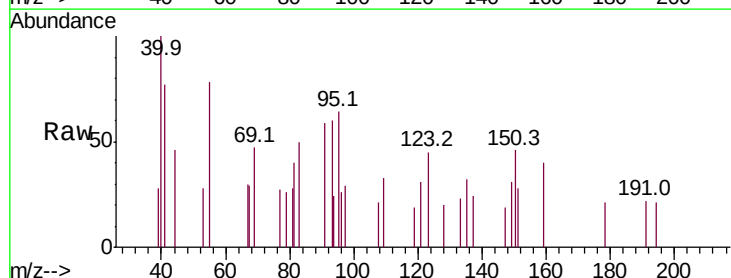
Tgt Ion: 83 Resp: 379

Ion Ratio Lower Upper

83 100

55 2.2 53.3 79.9#

98 0.0 41.0 61.4#



Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V

1000

800

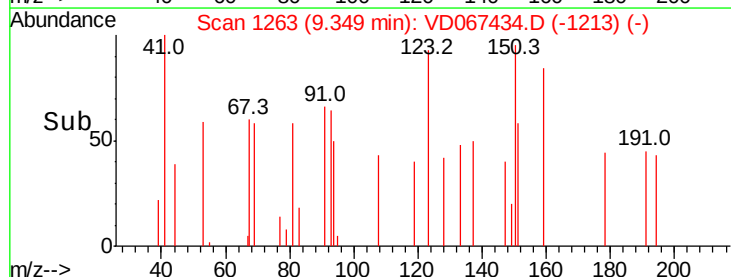
600

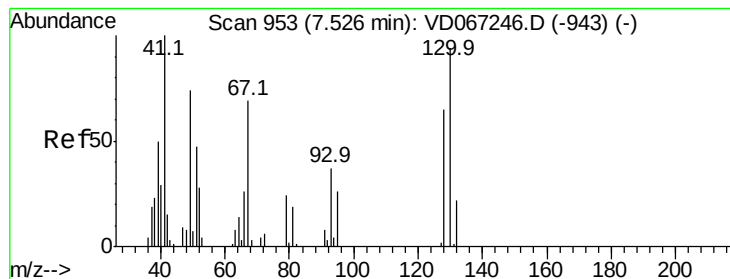
400

200

0

Time-->





#41

Methacrylonitrile

Concen: 6.157 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24245RE

Tot Ion: 41 Resp: 140

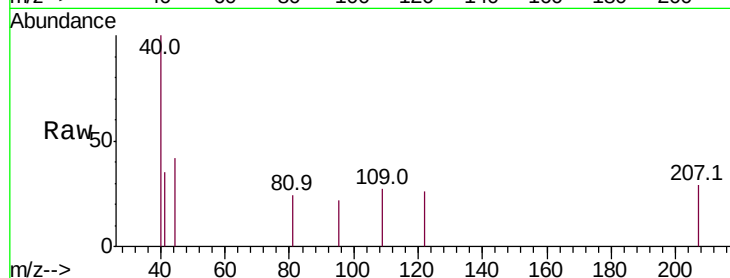
Ion Ratio Lower Upper

41 100

39 0.0 60.0 90.0#

67 64.3 88.9 133.3#

52 0.0 36.9 55.3#

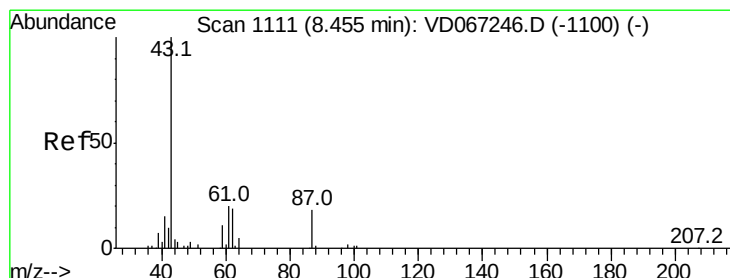
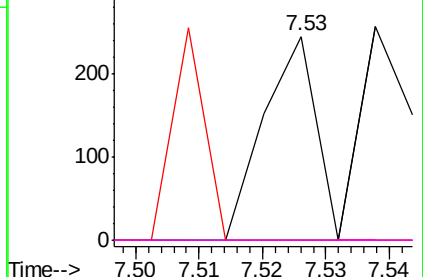
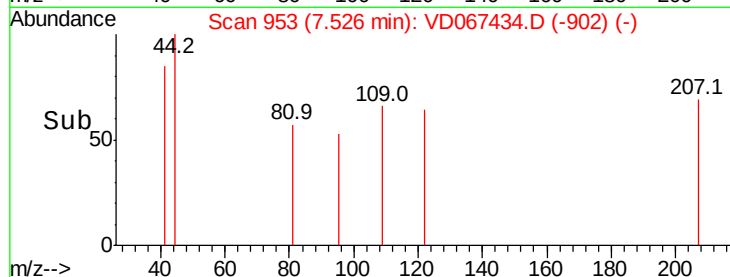


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#43

Isopropyl Acetate

Concen: 2.407 ug/l

RT: 8.47 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

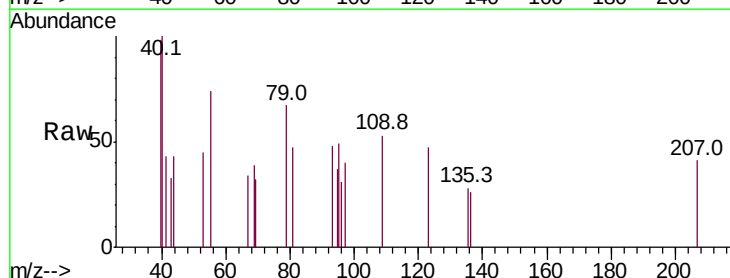
Tgt Ion: 43 Resp: 201

Ion Ratio Lower Upper

43 100

61 0.0 29.5 44.3#

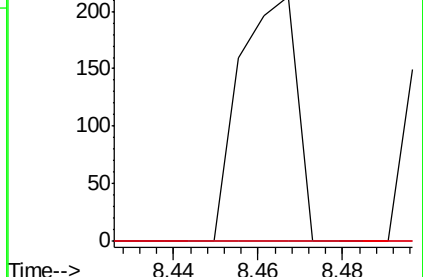
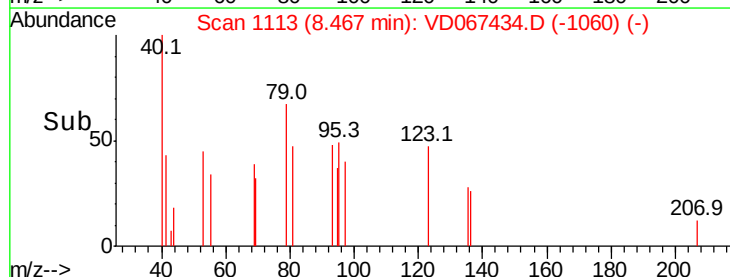
87 0.0 14.2 21.4#

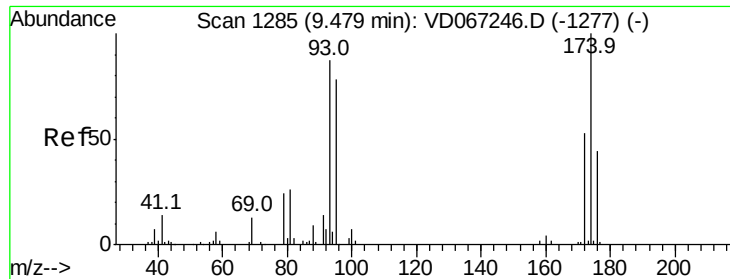


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC





#46

Dibromomethane

Concen: 3.972 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24245RE

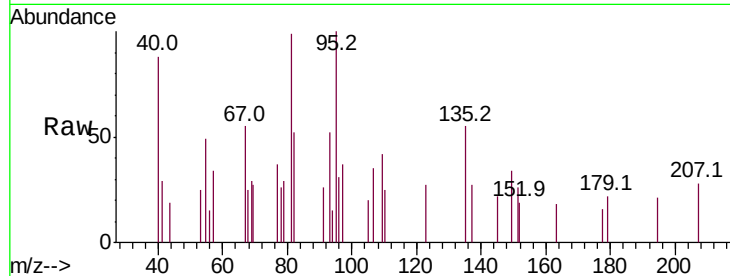
Tot Ion: 93 Resp: 225

Ion Ratio Lower Upper

93 100

95 169.8 68.0 102.0#

174 0.0 91.8 137.6#

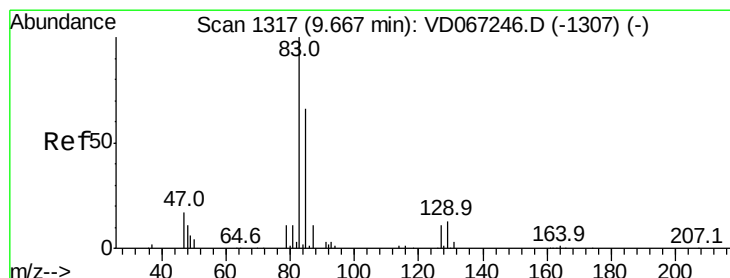
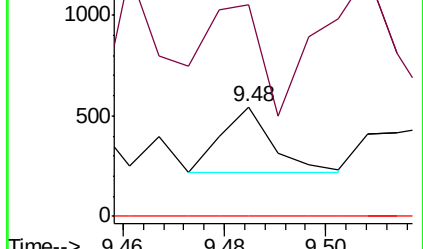
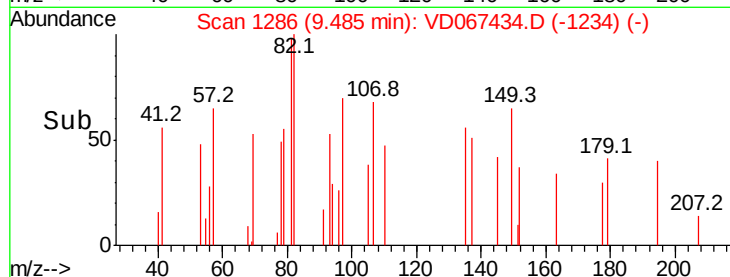


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

Time-->



#47

Bromodichloromethane

Concen: 1.733 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

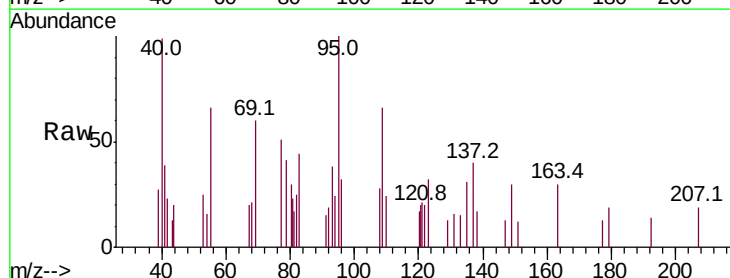
Tgt Ion: 83 Resp: 263

Ion Ratio Lower Upper

83 100

85 0.0 53.1 79.7#

127 0.0 8.6 13.0#

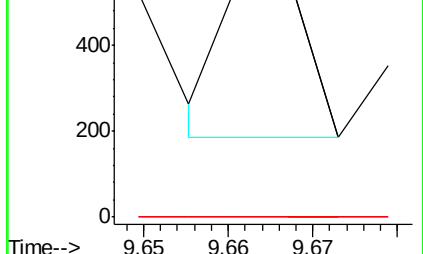
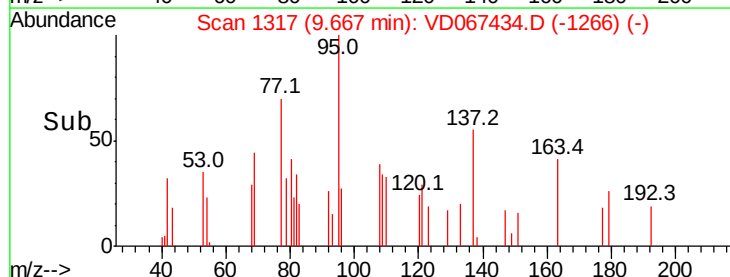


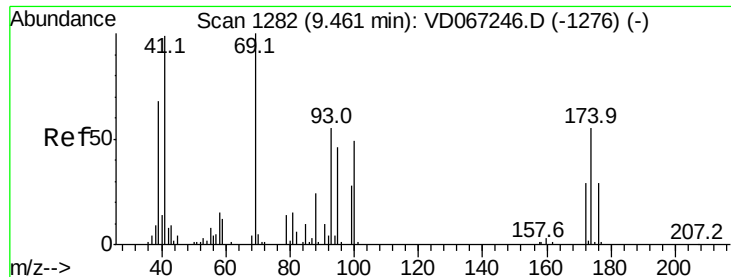
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC

Time-->

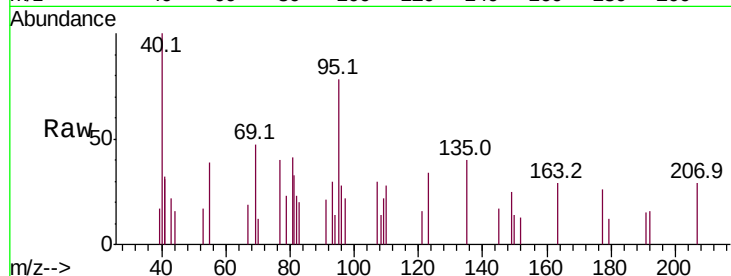




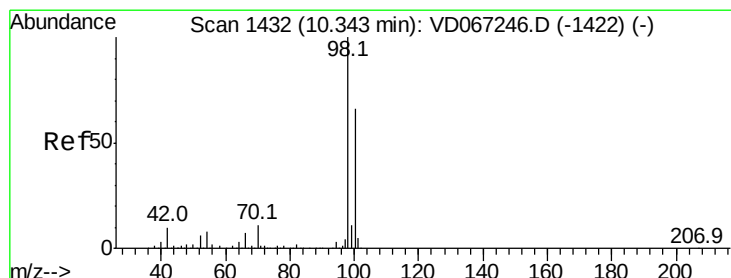
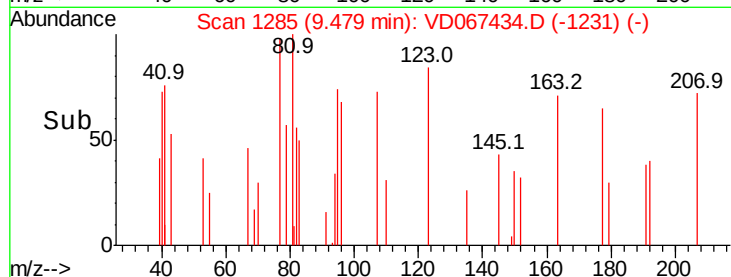
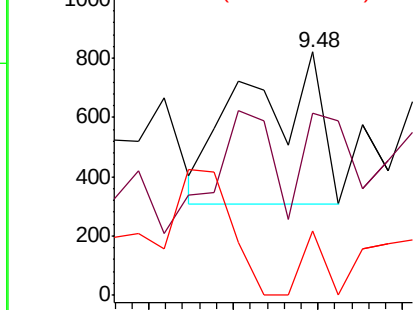
#48
Methvl methacrylate
Concen: 15.380 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.02 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Instrument :
MSVOA_D
ClientSampleId :
CHRT-24245RE

Tot Ion: 41 Resp: 624
Ion Ratio Lower Upper
41 100
69 44.7 89.0 133.6#
39 12.3 60.2 90.2#

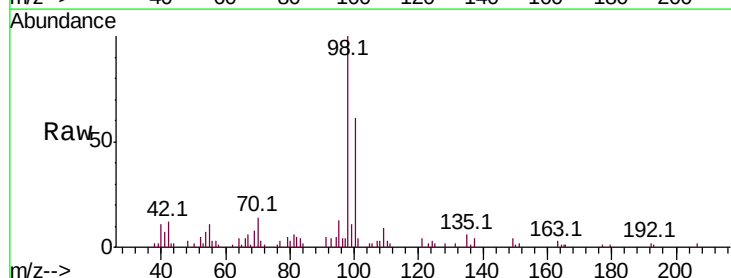


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

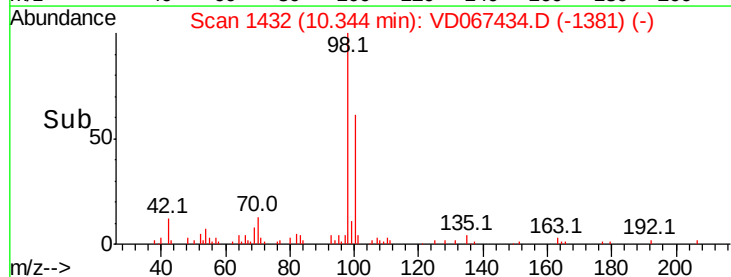
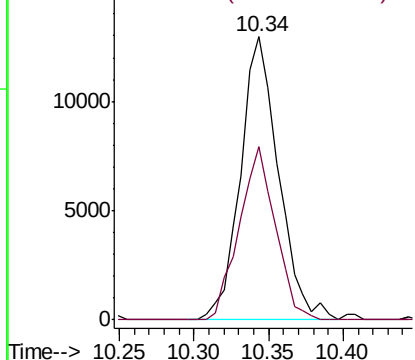


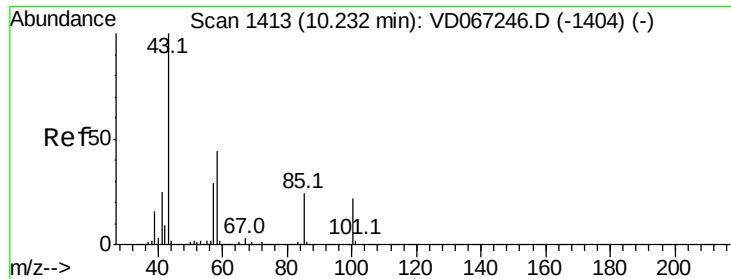
#50
Toluene-d8
Concen: 56.402 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Tgt Ion: 98 Resp: 22920
Ion Ratio Lower Upper
98 100
100 58.3 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: 15.561 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

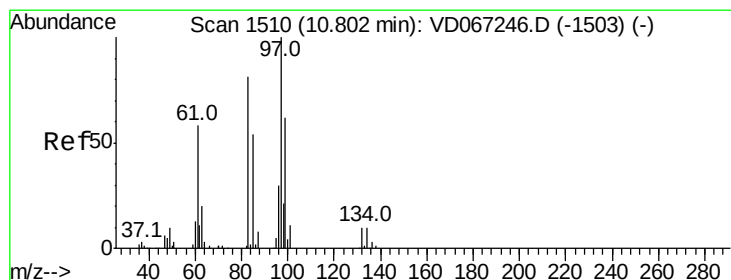
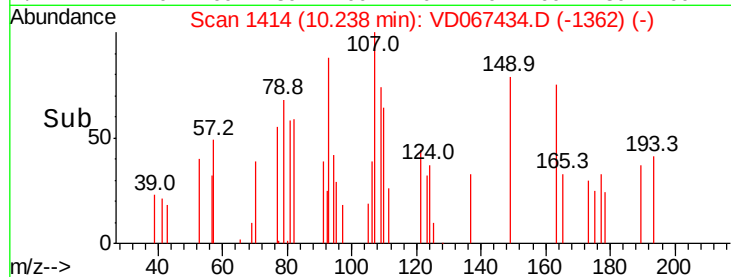
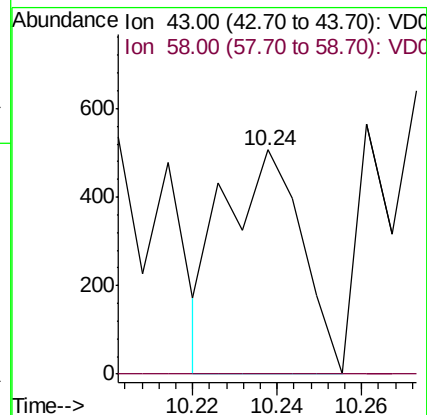
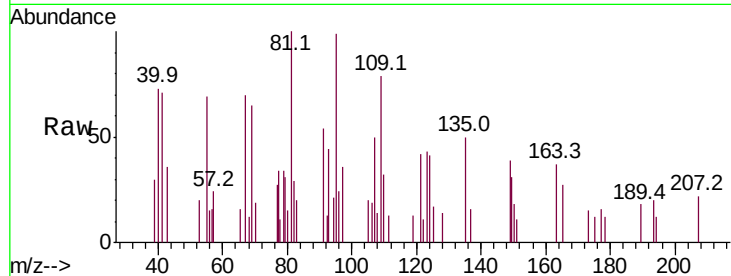
CHRT-24245RE

Tot Ion: 43 Resp: 648

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#



#55

1,1,2-Trichloroethane

Concen: 22.213 ug/l

RT: 10.79 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Tgt Ion: 97 Resp: 1716

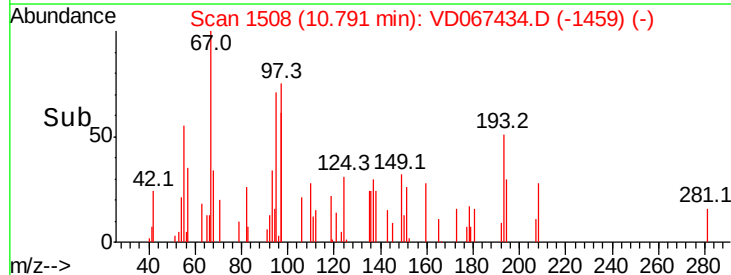
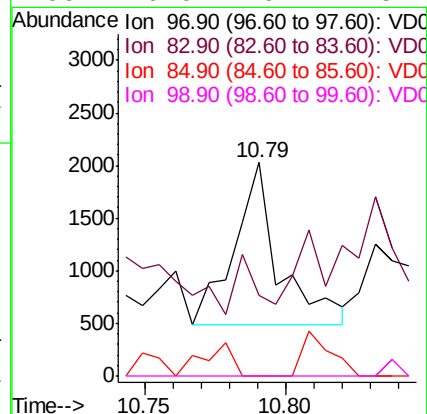
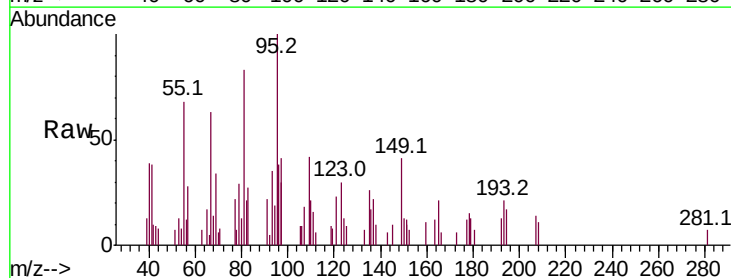
Ion Ratio Lower Upper

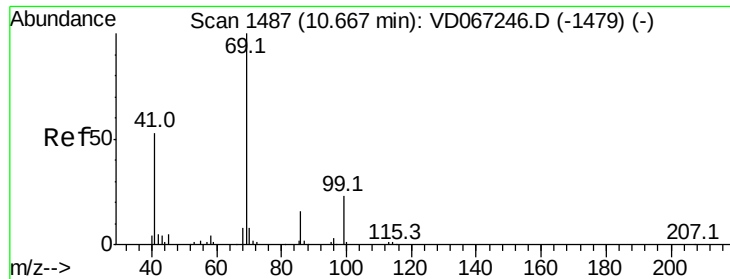
97 100

83 0.0 64.9 97.3#

85 0.0 43.3 64.9#

99 0.0 49.1 73.7#





#56

Ethyl methacrylate

Concen: 8.163 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24245RE

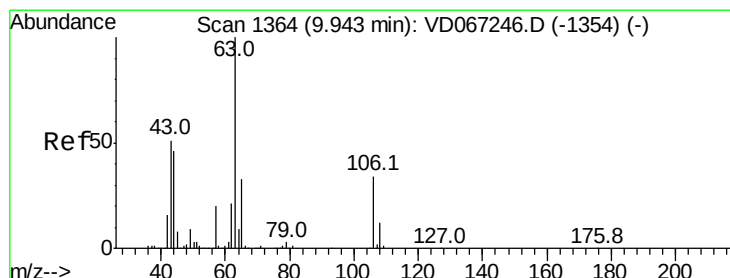
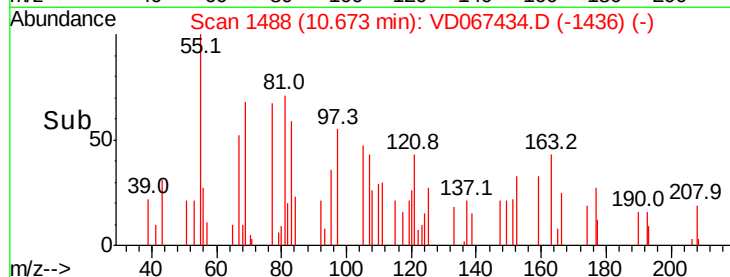
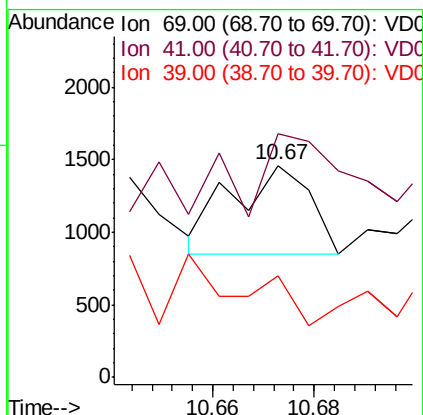
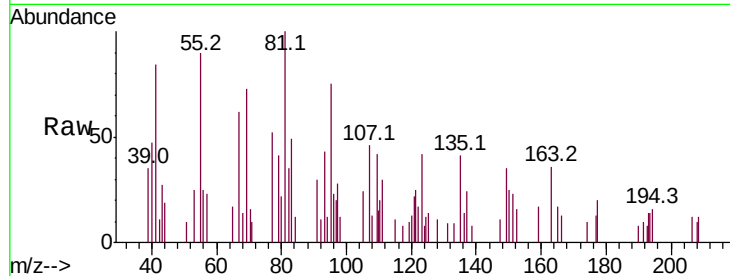
Tot Ion: 69 Resp: 654

Ion Ratio Lower Upper

69 100

41 95.3 44.7 67.1#

39 0.0 26.2 39.2#



#58

2-Chloroethyl Vinyl ether

Concen: 1.411 ug/l

RT: 10.01 min Scan# 1376

Delta R.T. 0.07 min

Lab File: VD067434.D

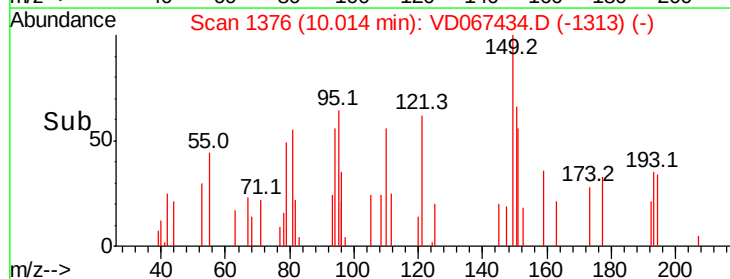
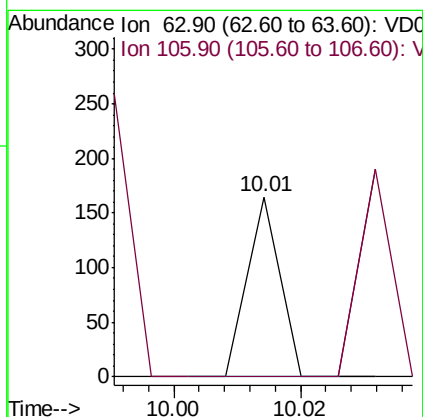
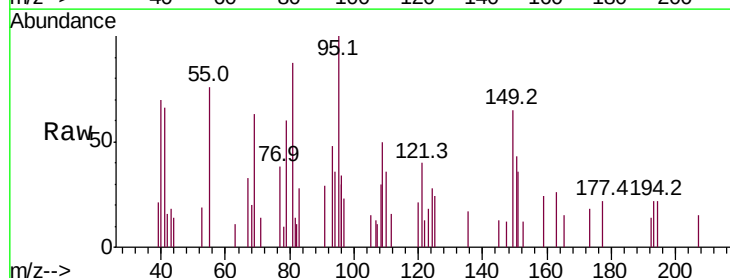
Acq: 28 Oct 2020 15:21

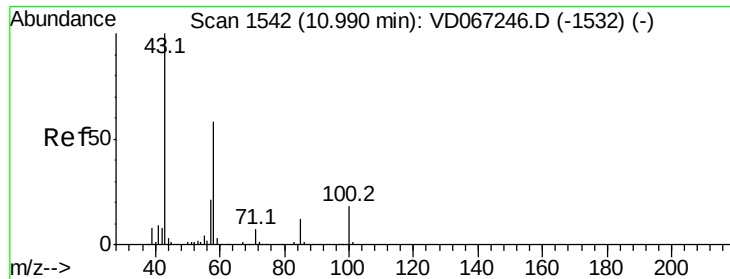
Tgt Ion: 63 Resp: 58

Ion Ratio Lower Upper

63 100

106 0.0 27.8 41.6#

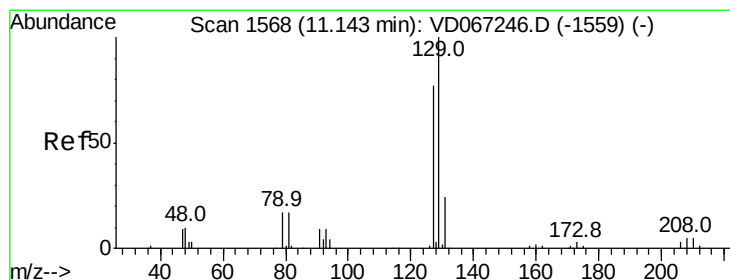
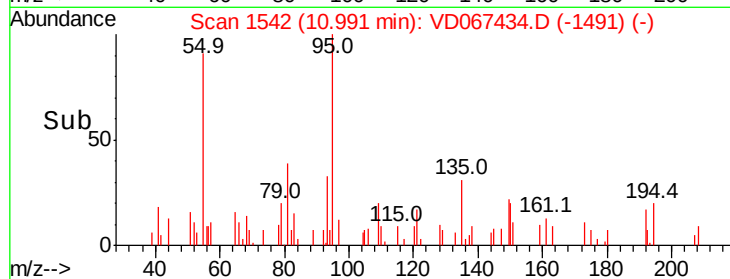
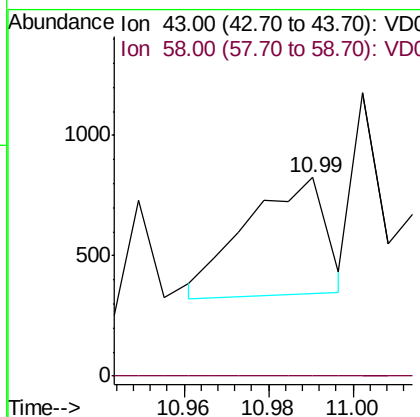
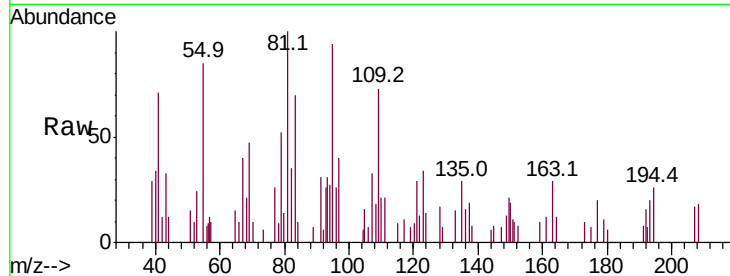




#59
2-Hexanone
Concen: 22.140 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

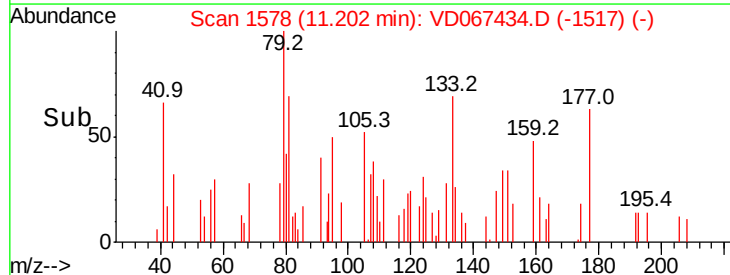
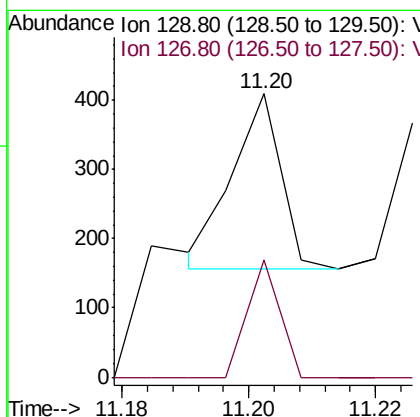
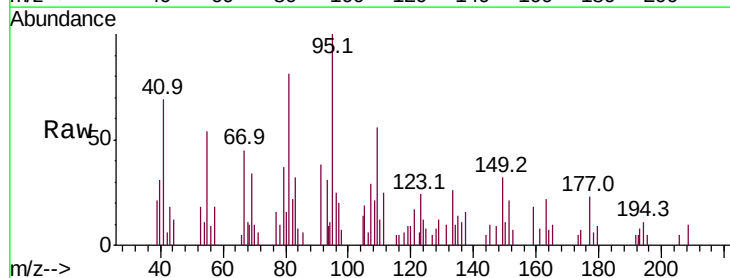
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24245RE

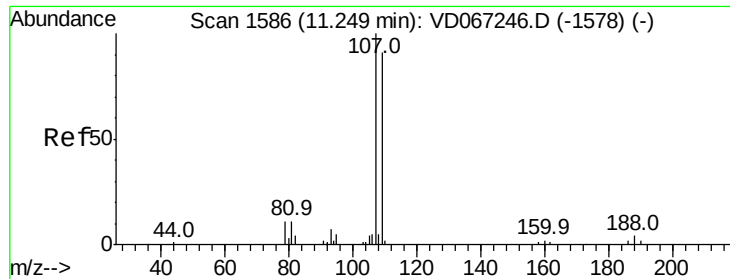
Tot Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
58 0.0 29.3 87.9#



#60
Dibromochloromethane
Concen: 1.181 ug/l
RT: 11.20 min Scan# 1578
Delta R.T. 0.06 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Tgt Ion:129 Resp: 133
Ion Ratio Lower Upper
129 100
127 45.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 18.409 ug/l

RT: 11.34 min Scan# 1601

Delta R.T. 0.09 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

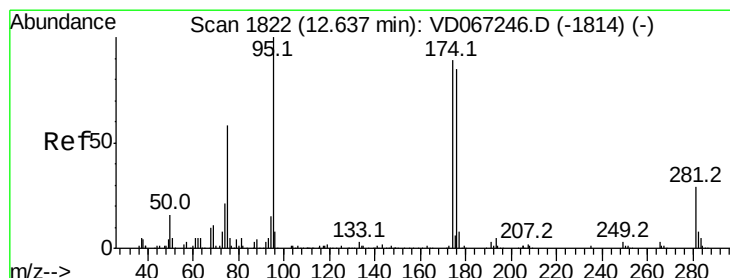
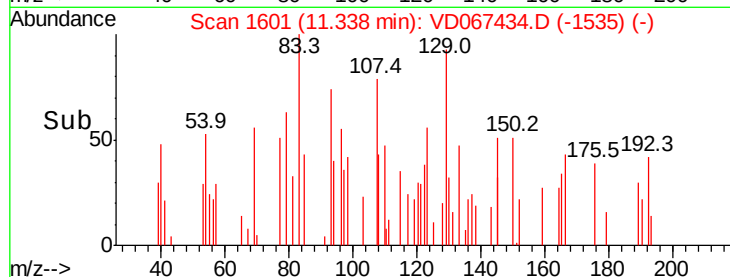
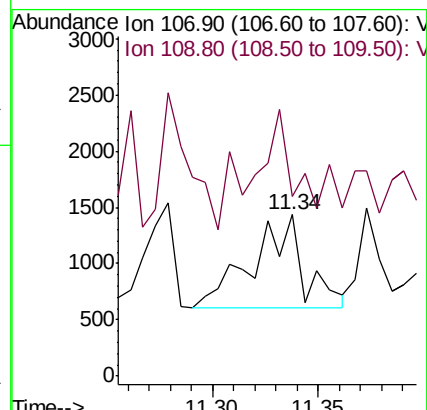
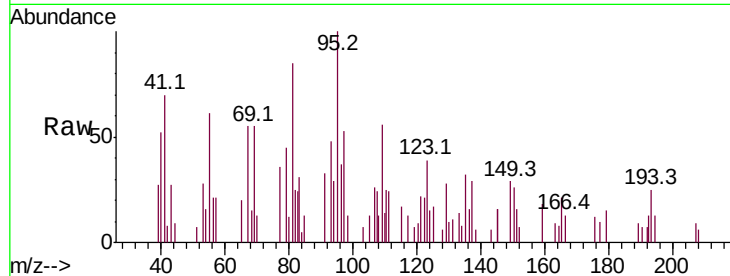
CHRT-24245RE

Tot Ion:107 Resp: 1402

Ion Ratio Lower Upper

107 100

109 105.1 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 100.550 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

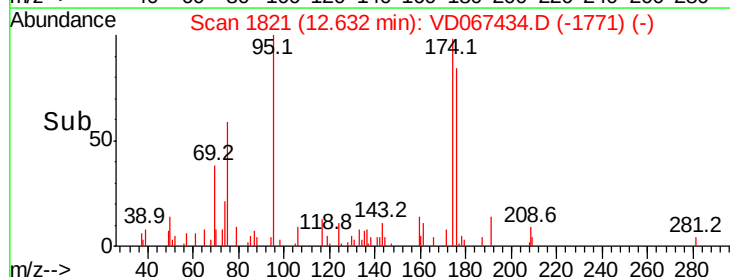
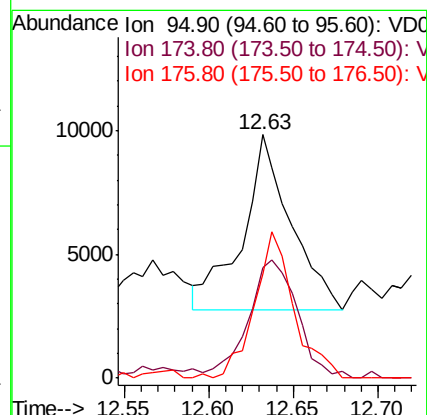
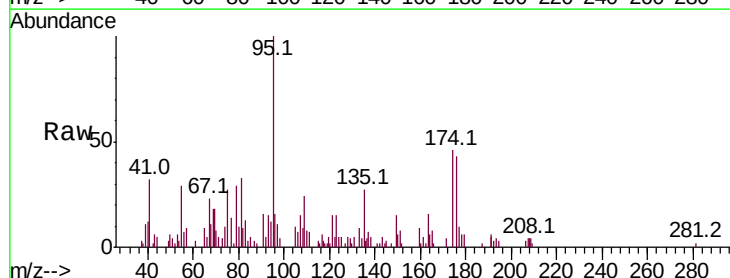
Tgt Ion: 95 Resp: 14208

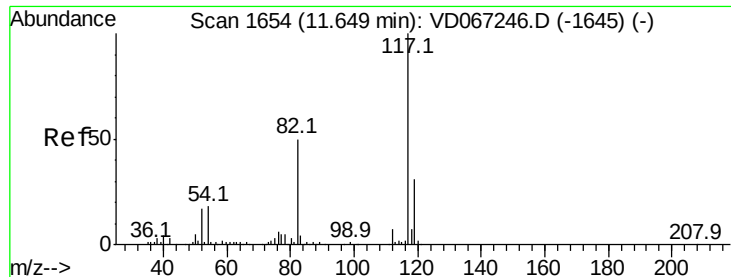
Ion Ratio Lower Upper

95 100

174 68.0 0.0 175.2

176 67.5 0.0 168.6

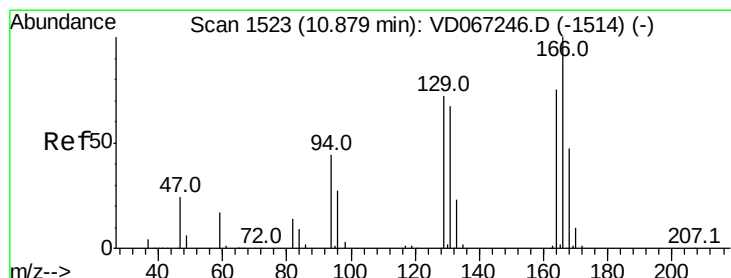
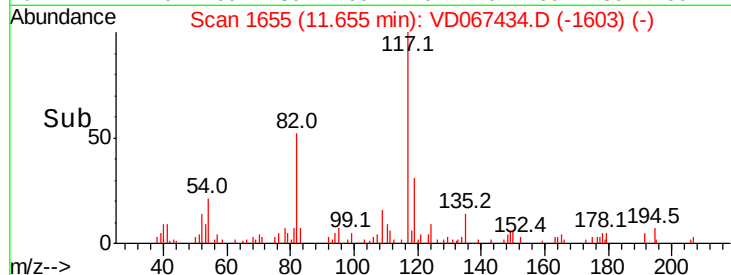
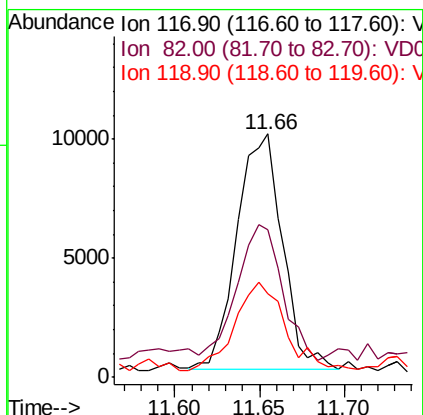
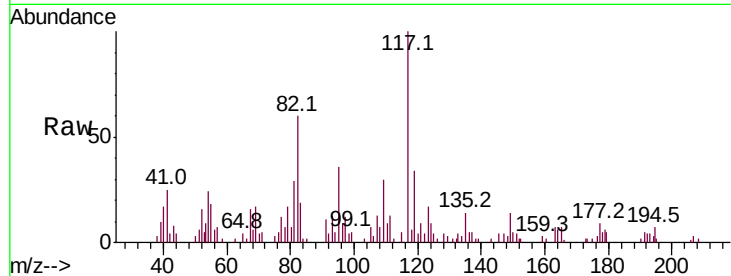




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

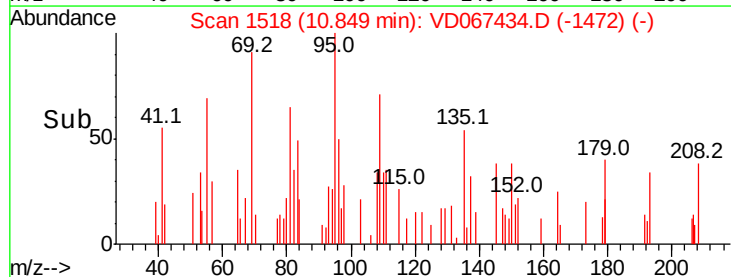
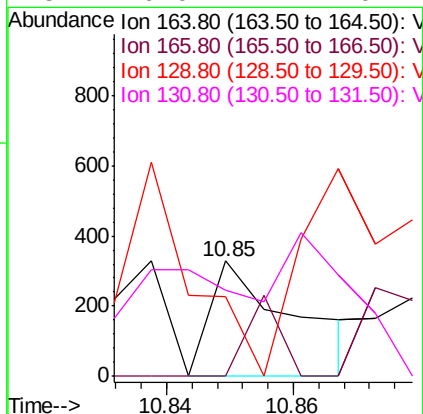
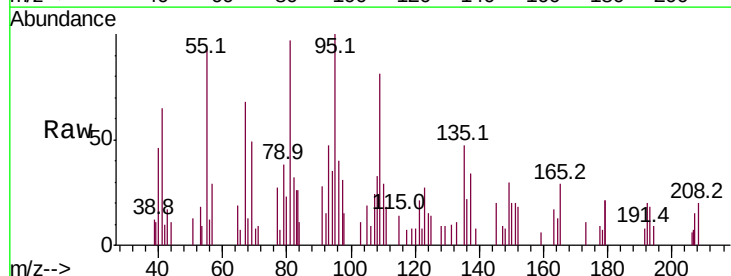
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24245RE

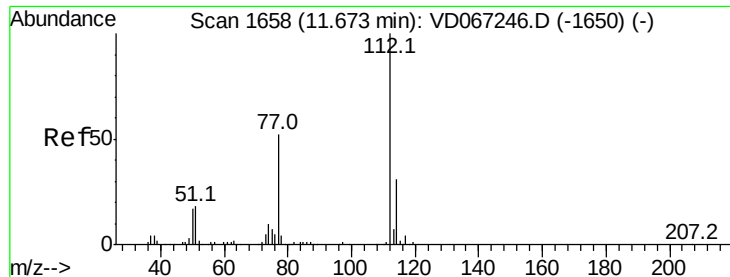
Tot Ion:117 Resp: 18579
Ion Ratio Lower Upper
117 100
82 50.4 39.9 59.9
119 32.3 24.9 37.3



#64
Tetrachloroethene
Concen: 2.229 ug/l
RT: 10.85 min Scan# 1518
Delta R.T. -0.03 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Tgt Ion:164 Resp: 300
Ion Ratio Lower Upper
164 100
166 0.0 107.3 160.9#
129 0.0 77.3 115.9#
131 0.0 71.4 107.2#

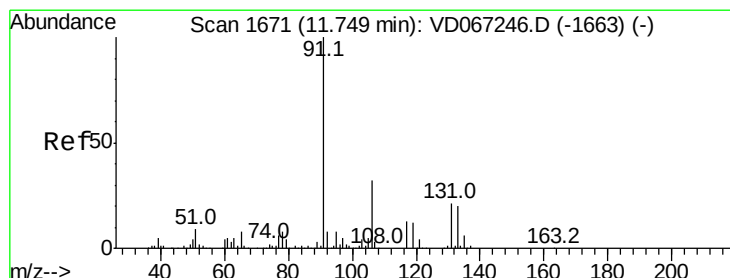
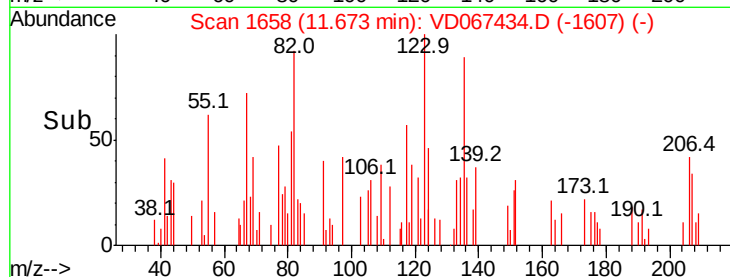
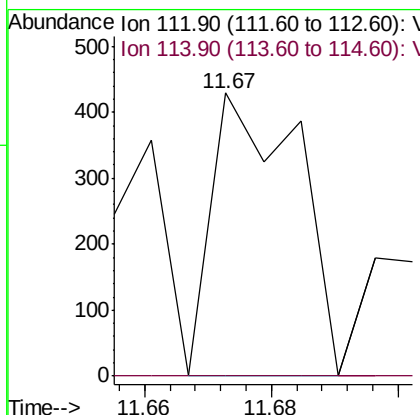
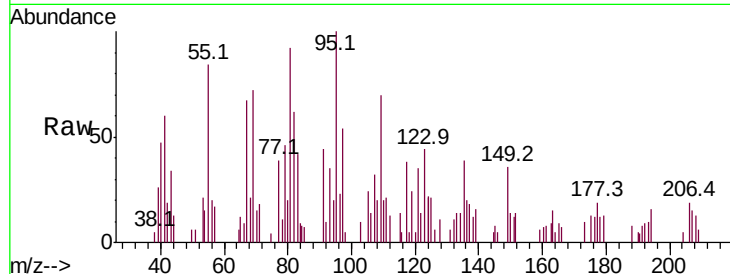




#65
Chlorobenzene
Concen: 1.128 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

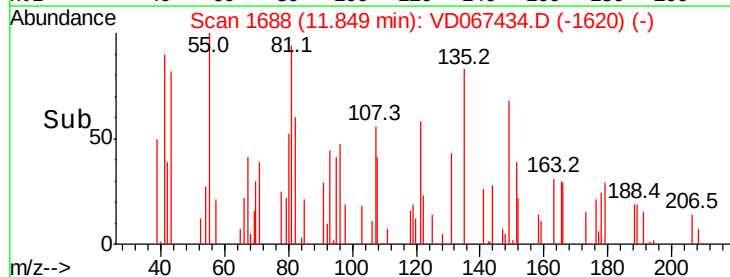
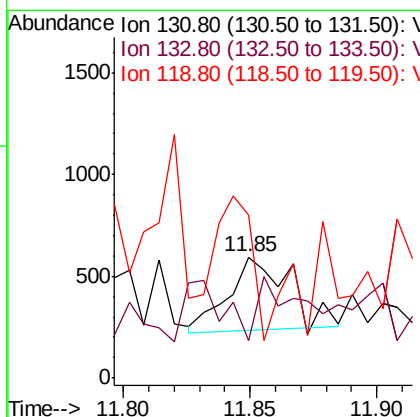
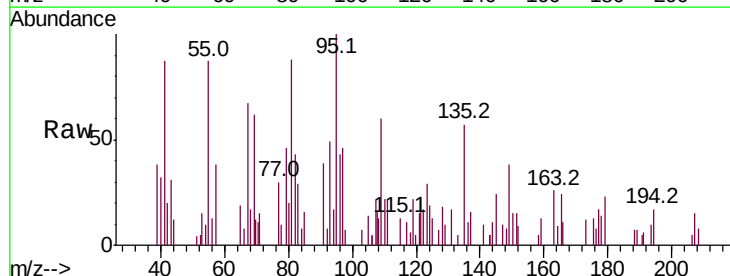
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24245RE

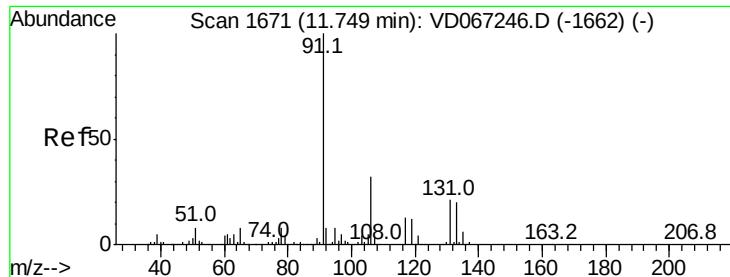
Tot Ion:112 Resp: 402
Ion Ratio Lower Upper
112 100
114 0.0 25.0 37.4#



#66
1,1,1,2-Tetrachloroethane
Concen: 4.237 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.10 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Tgt Ion:131 Resp: 600
Ion Ratio Lower Upper
131 100
133 59.0 48.1 144.3
119 69.2 30.0 90.0





#67

Ethyl Benzene

Concen: 1.718 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

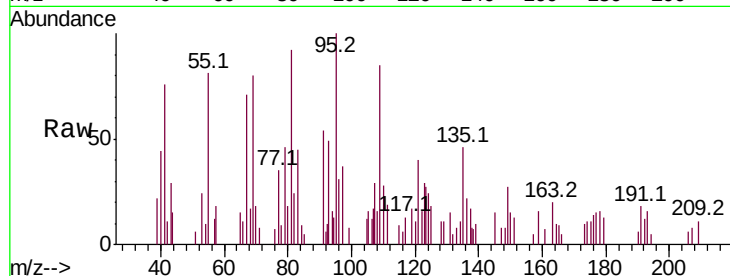
CHRT-24245RE

Tot Ion: 91 Resp: 1049

Ion Ratio Lower Upper

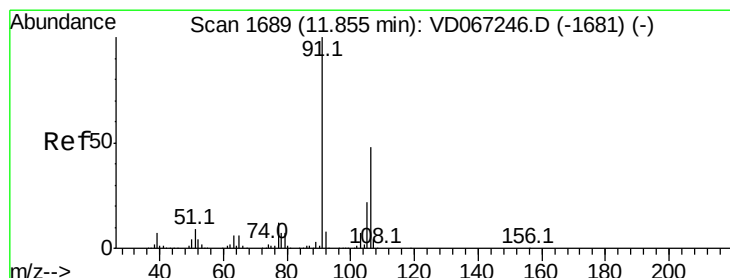
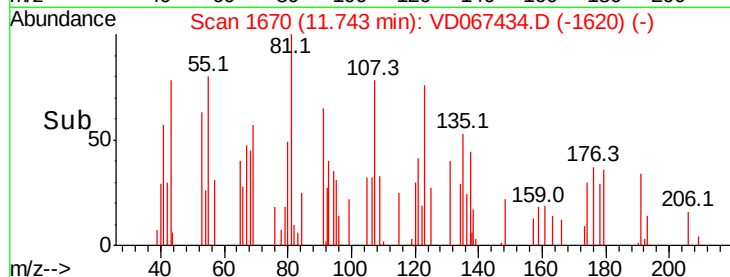
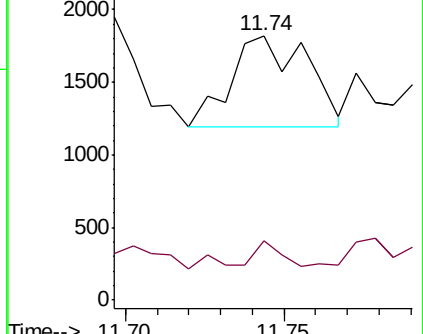
91 100

106 30.0 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 1.263 ug/l

RT: 11.84 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VD067434.D

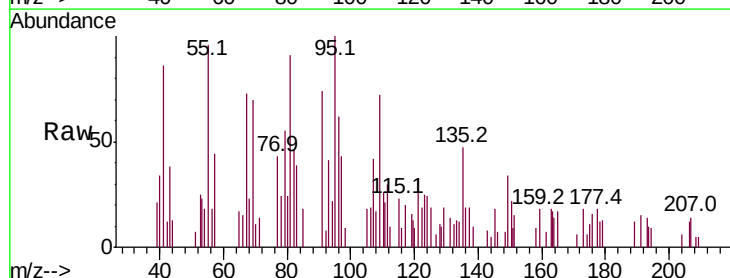
Acq: 28 Oct 2020 15:21

Tgt Ion: 106 Resp: 297

Ion Ratio Lower Upper

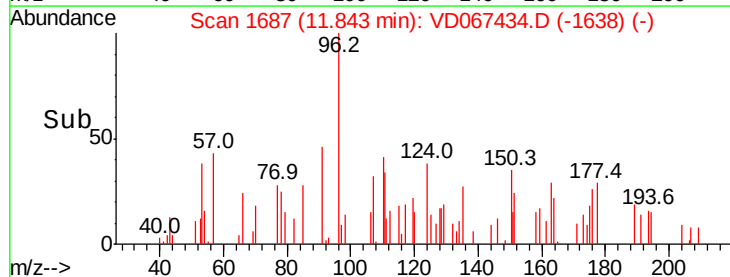
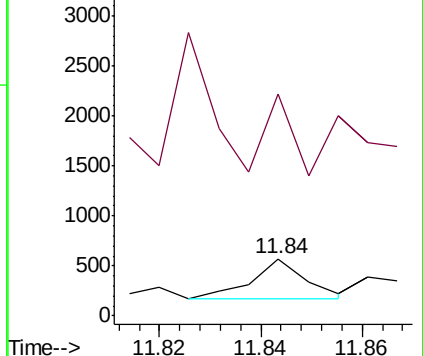
106 100

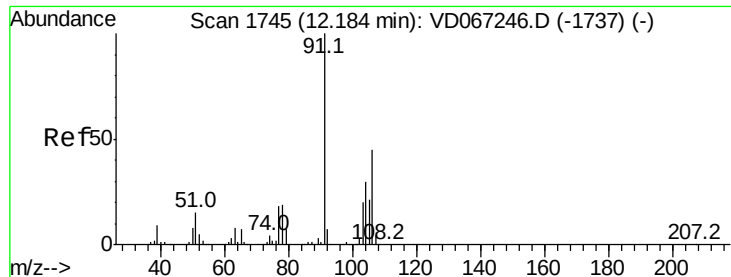
91 99.0 163.8 245.8#



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

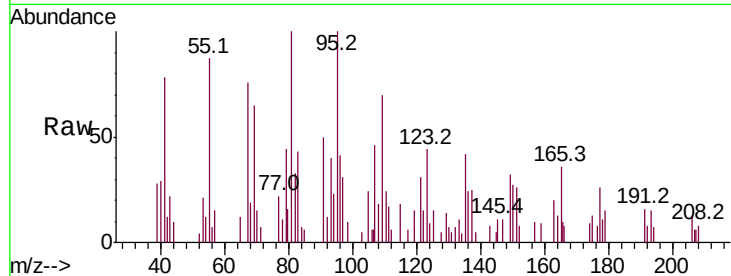




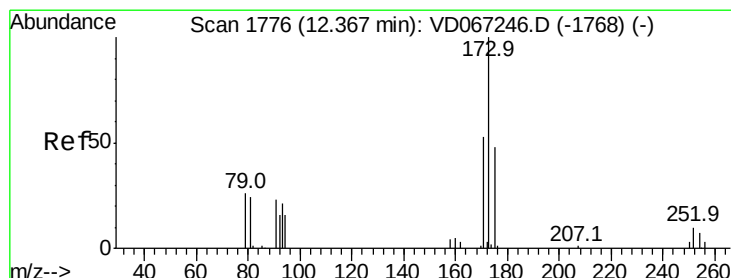
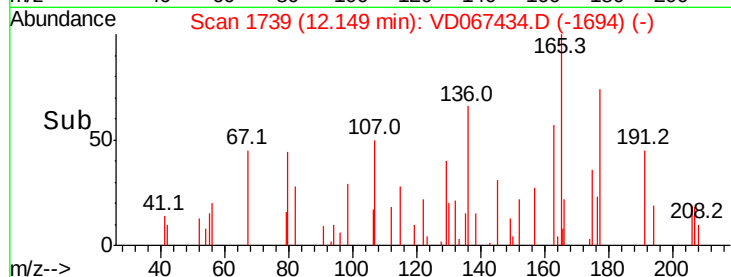
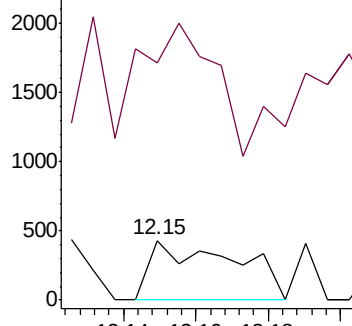
#69
o-Xylene
Concen: 3.164 ug/l
RT: 12.15 min Scan# 1739
Delta R.T. -0.04 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Instrument :
MSVOA_D
ClientSampleId :
CHRT-24245RE

Tot Ion:106 Resp: 689
Ion Ratio Lower Upper
106 100
91 194.0 109.1 327.3

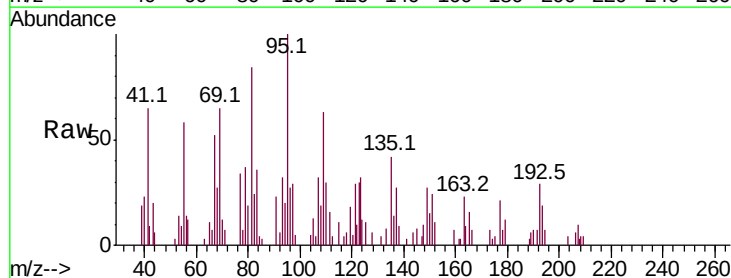


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

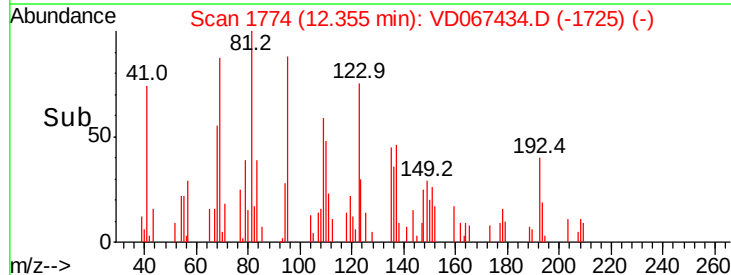
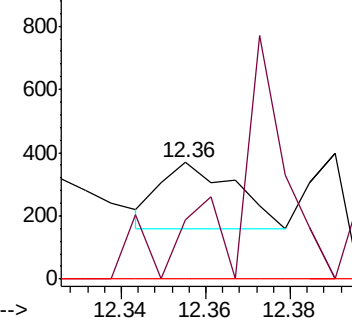


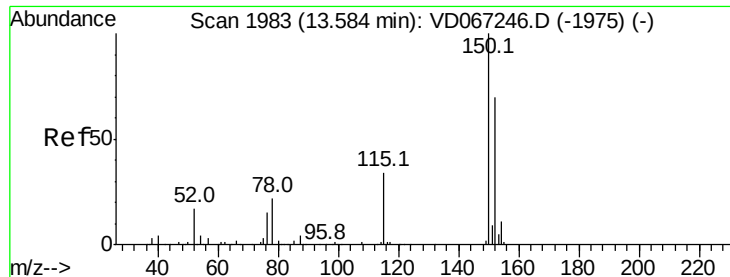
#71
Bromoform
Concen: 3.392 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Tgt Ion:173 Resp: 258
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24245RE

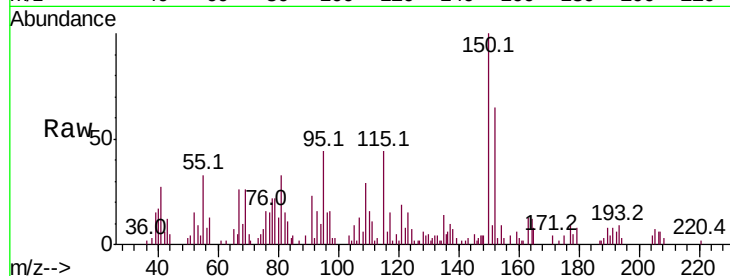
Tot Ion:152 Resp: 10919

Ion Ratio Lower Upper

152 100

115 67.4 29.3 87.9

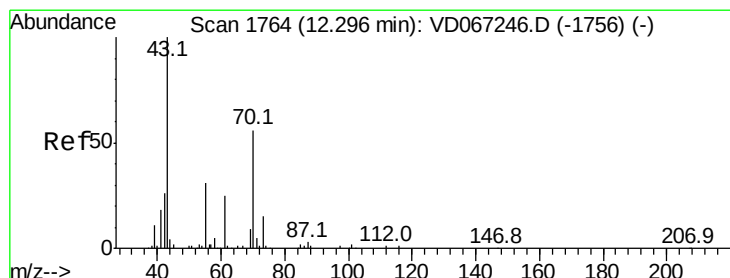
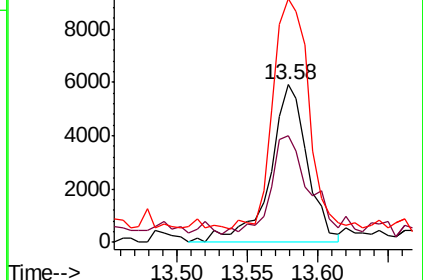
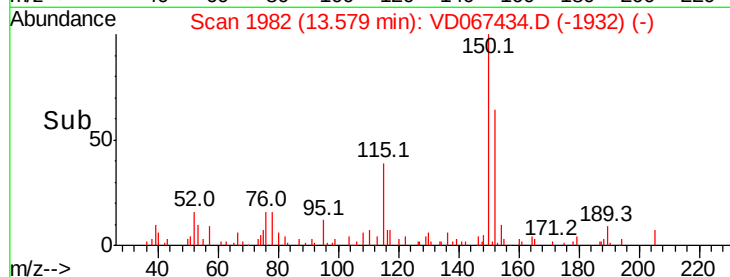
150 140.3 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-amyl acetate

Concen: 4.911 ug/l

RT: 12.31 min Scan# 1767

Delta R.T. 0.02 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Tgt Ion: 43 Resp: 514

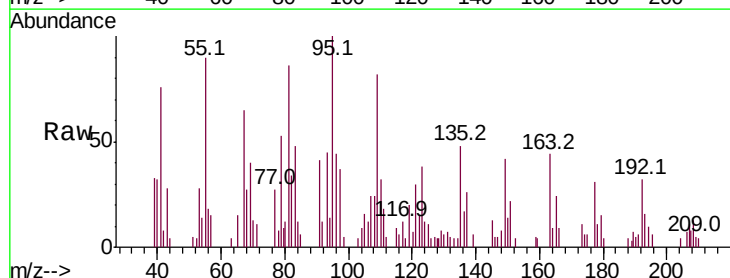
Ion Ratio Lower Upper

43 100

70 0.0 42.7 64.1#

55 0.0 24.0 36.0#

61 0.0 22.2 33.4#

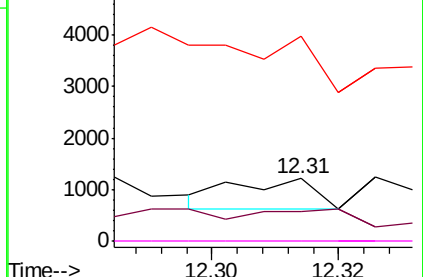
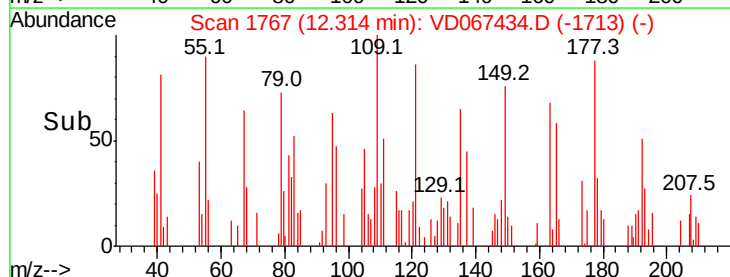


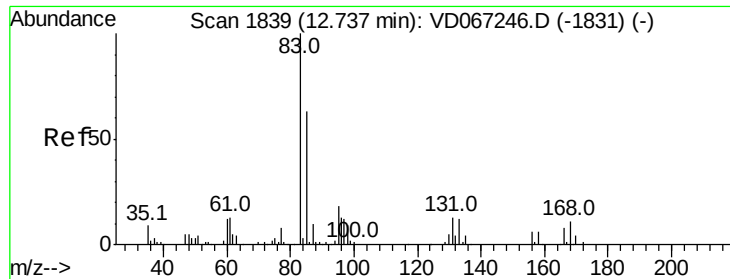
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 5.679 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24245RE

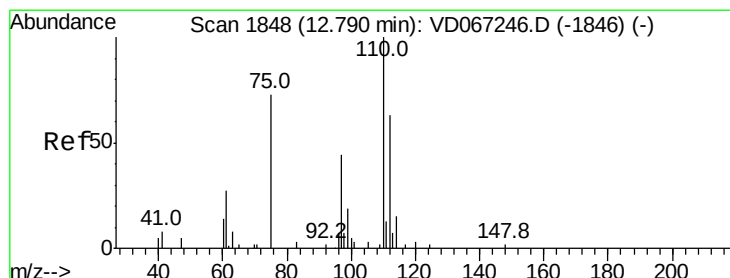
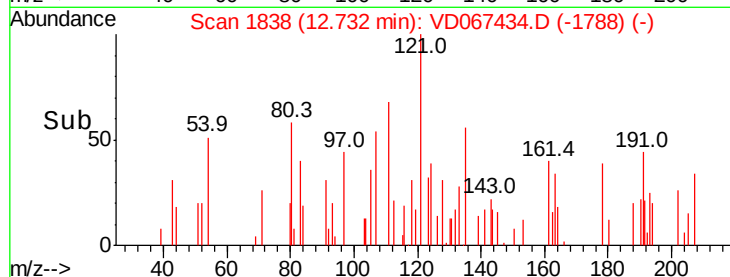
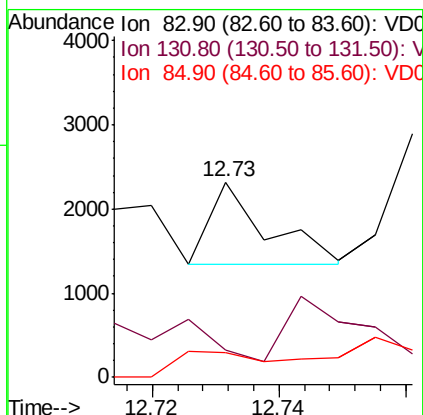
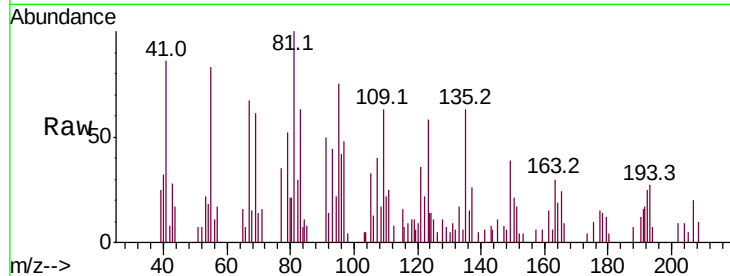
Tot Ion: 83 Resp: 603

Ion Ratio Lower Upper

83 100

131 171.3 6.5 19.5#

85 46.4 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 65.817 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067434.D

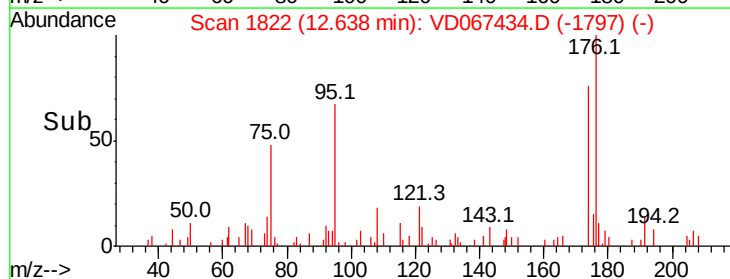
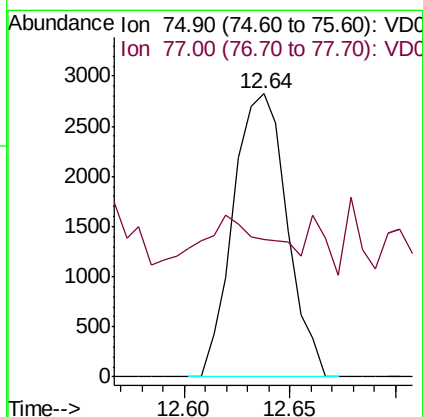
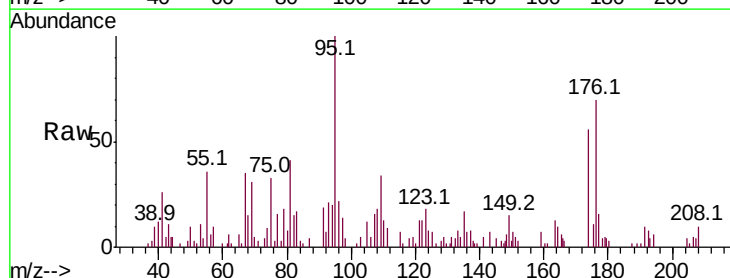
Acq: 28 Oct 2020 15:21

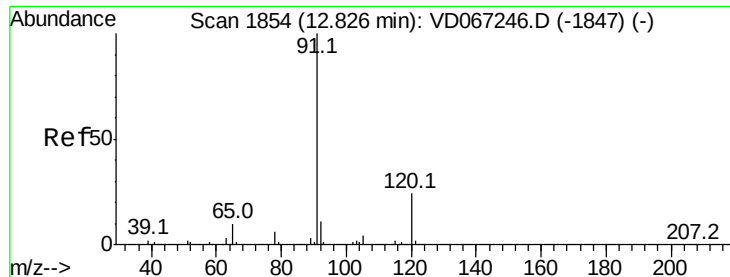
Tgt Ion: 75 Resp: 4981

Ion Ratio Lower Upper

75 100

77 26.6 0.0 0.0#





#78

n-propylbenzene

Concen: 1.110 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

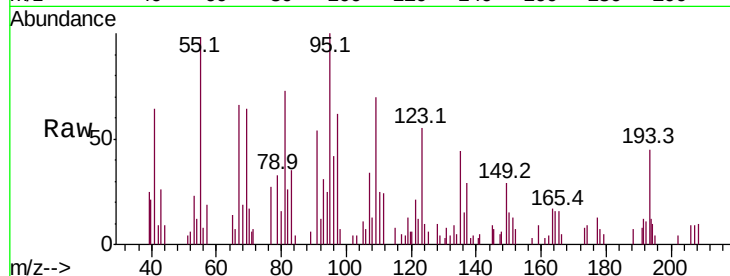
CHRT-24245RE

Tot Ion: 91 Resp: 891

Ion Ratio Lower Upper

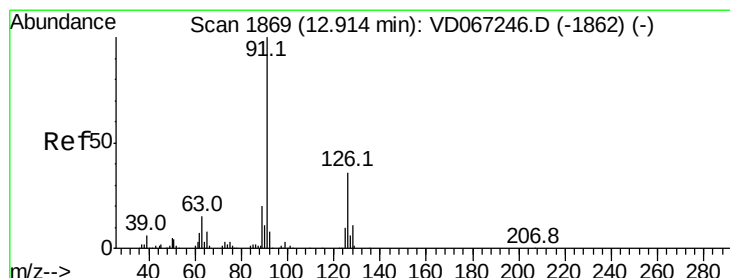
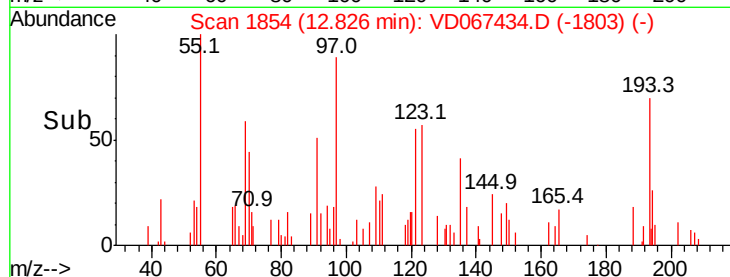
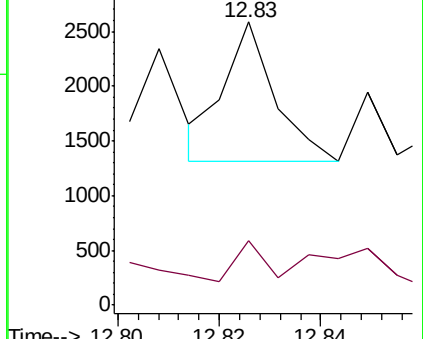
91 100

120 15.9 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: 2.264 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD067434.D

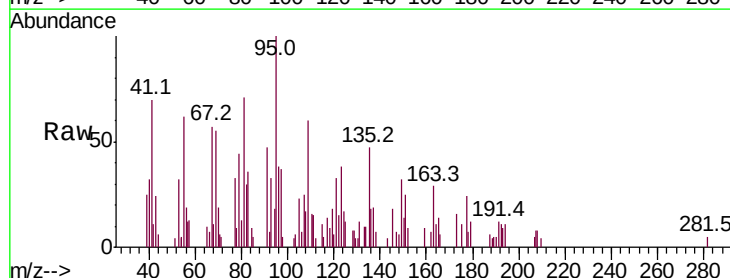
Acq: 28 Oct 2020 15:21

Tgt Ion: 91 Resp: 1054

Ion Ratio Lower Upper

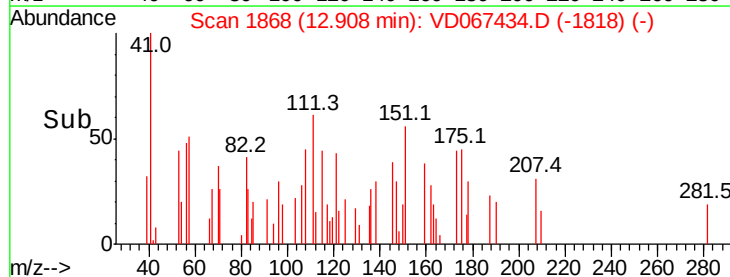
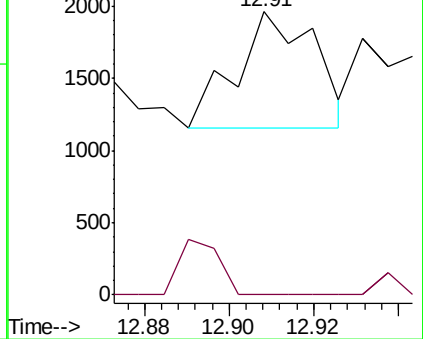
91 100

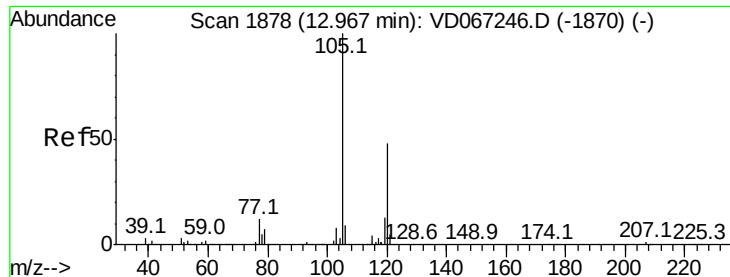
126 23.7 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.817 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

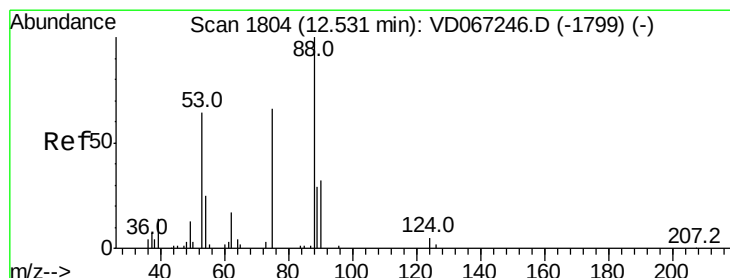
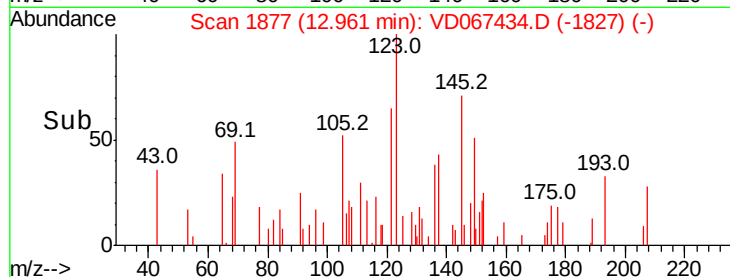
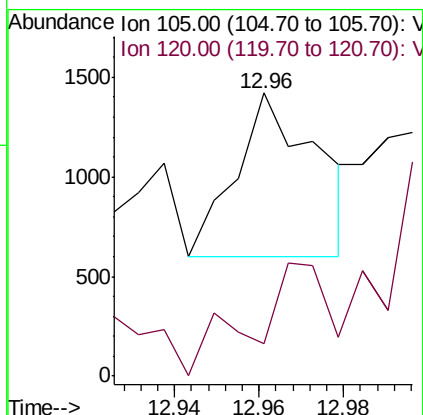
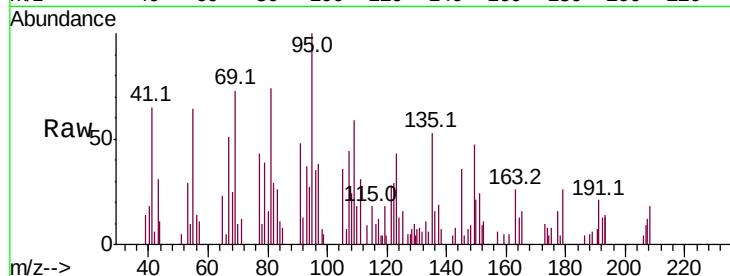
CHRT-24245RE

Tot Ion:105 Resp: 1094

Ion Ratio Lower Upper

105 100

120 64.9 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 149.254 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

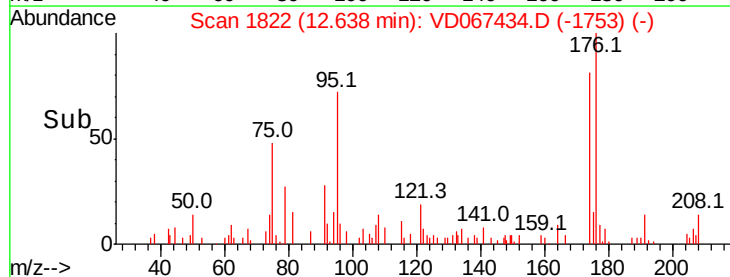
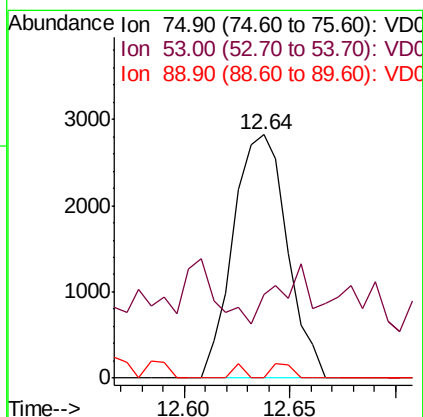
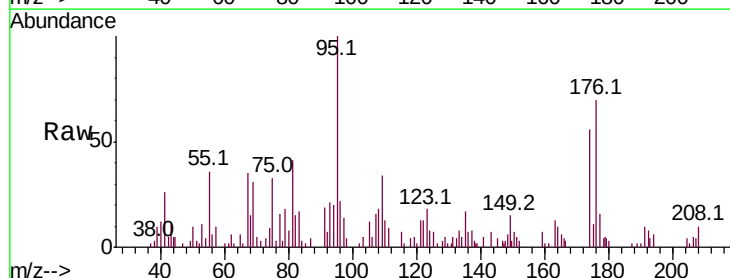
Tgt Ion: 75 Resp: 4981

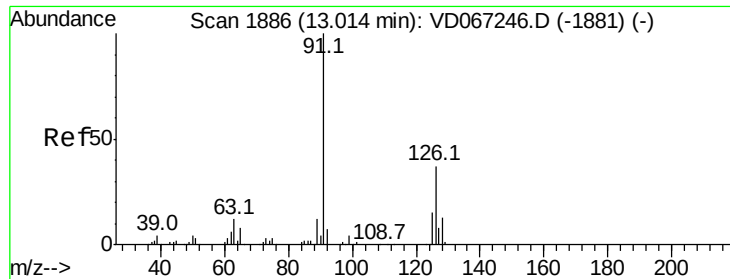
Ion Ratio Lower Upper

75 100

53 15.9 78.5 117.7#

89 2.2 39.9 59.9#

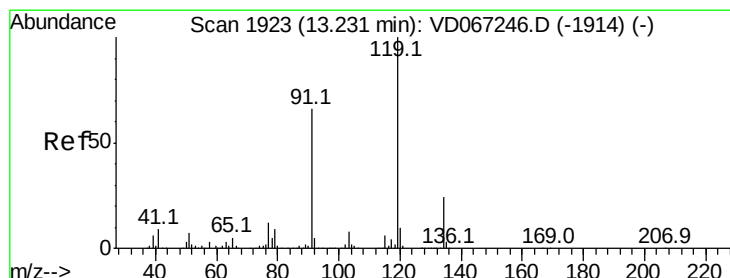
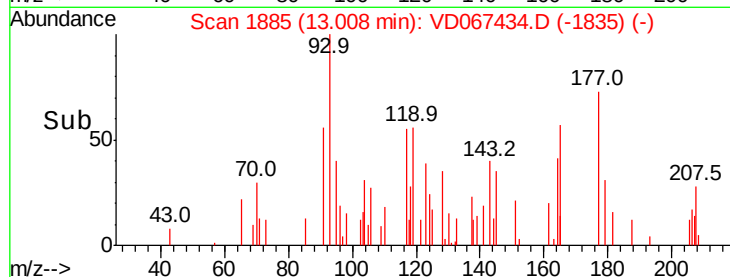
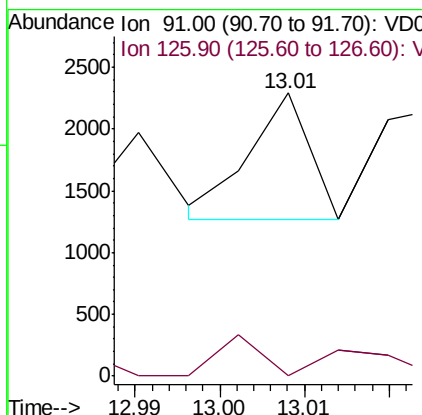
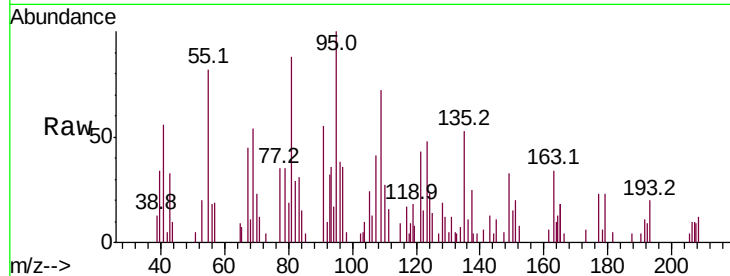




#82
4-Chlorotoluene
Concen: 1.004 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

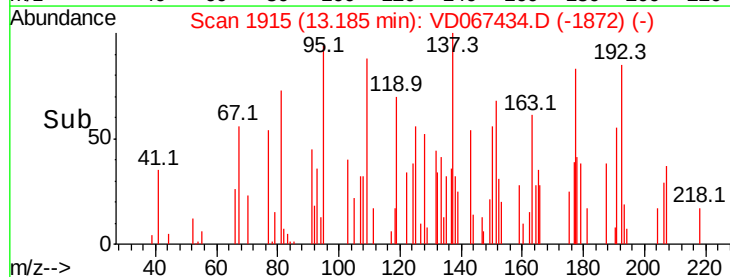
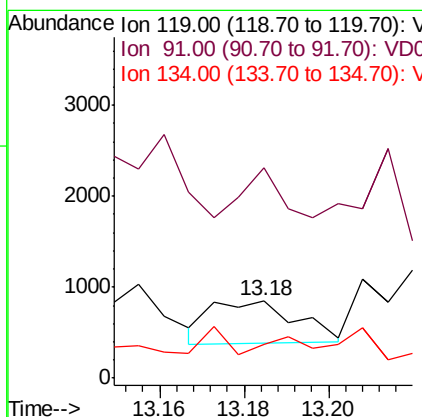
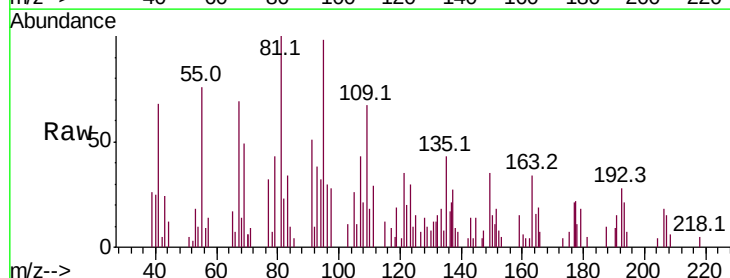
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24245RE

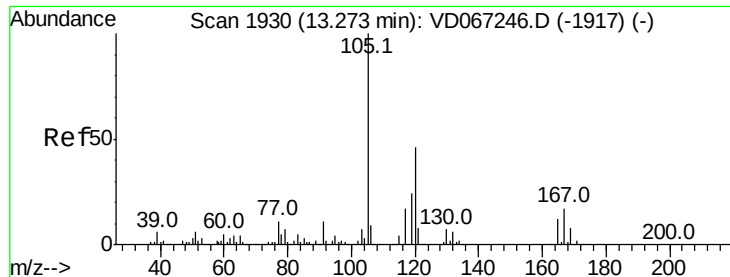
Tot Ion: 91 Resp: 496
Ion Ratio Lower Upper
91 100
126 23.8 17.8 53.5



#83
tert-Butylbenzene
Concen: 1.307 ug/l
RT: 13.18 min Scan# 1915
Delta R.T. -0.05 min
Lab File: VD067434.D
Acq: 28 Oct 2020 15:21

Tgt Ion: 119 Resp: 665
Ion Ratio Lower Upper
119 100
91 63.0 33.1 99.2
134 17.0 13.3 39.9

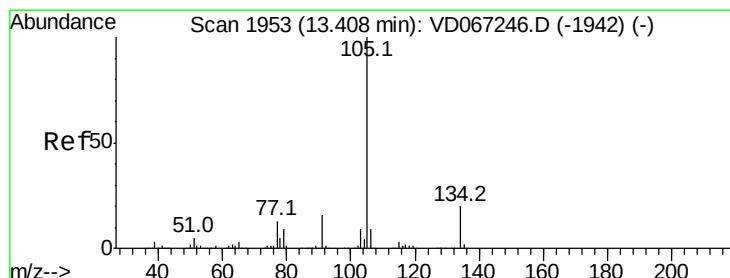
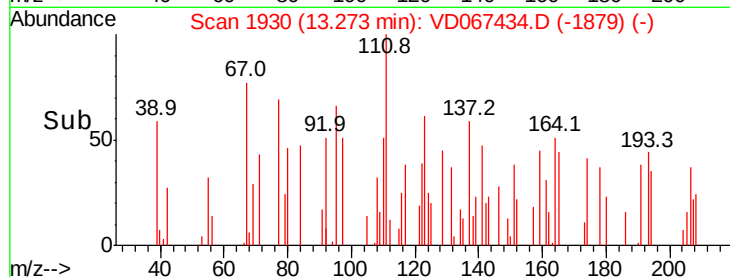
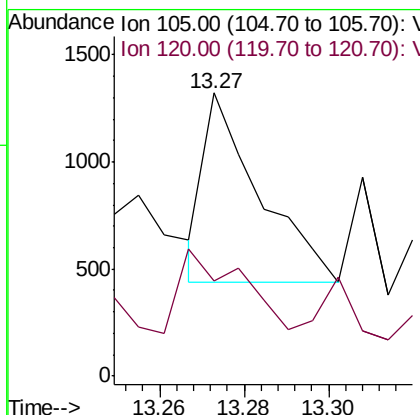
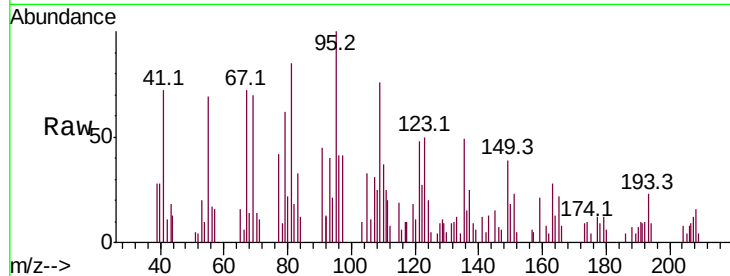




#84
 1,2,4-Trimethylbenzene
 Concen: 1.349 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067434.D
 Acq: 28 Oct 2020 15:21

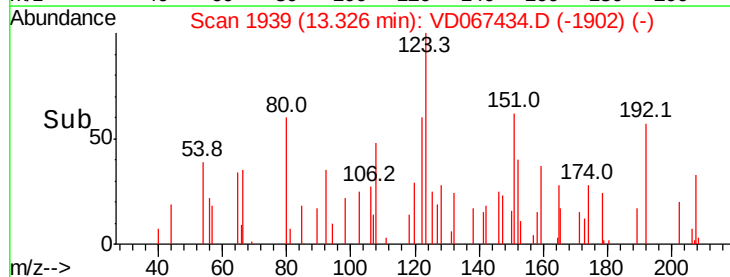
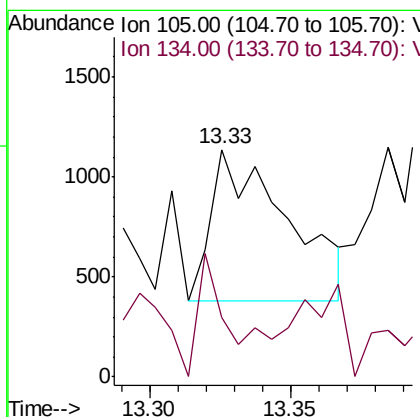
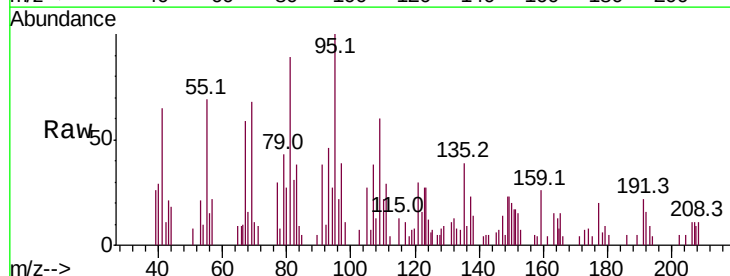
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-24245RE

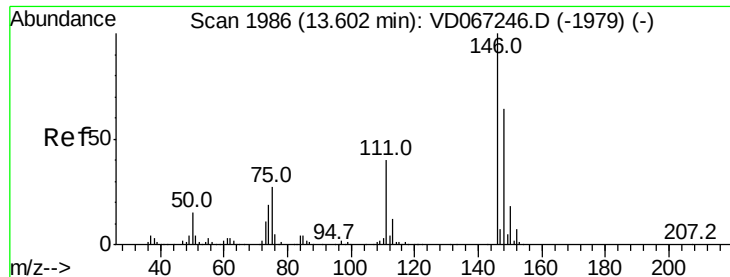
Tot Ion:105 Resp: 803
 Ion Ratio Lower Upper
 105 100
 120 56.8 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 2.011 ug/l
 RT: 13.33 min Scan# 1939
 Delta R.T. -0.08 min
 Lab File: VD067434.D
 Acq: 28 Oct 2020 15:21

Tgt Ion:105 Resp: 1404
 Ion Ratio Lower Upper
 105 100
 134 26.9 10.5 31.5

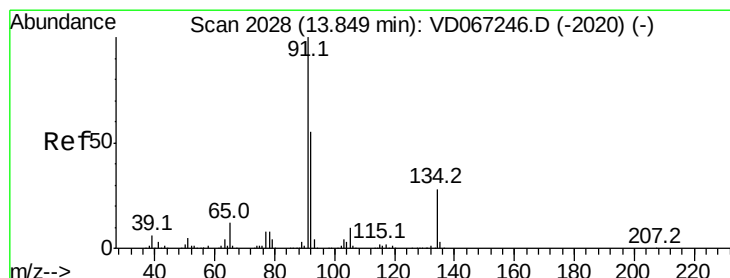
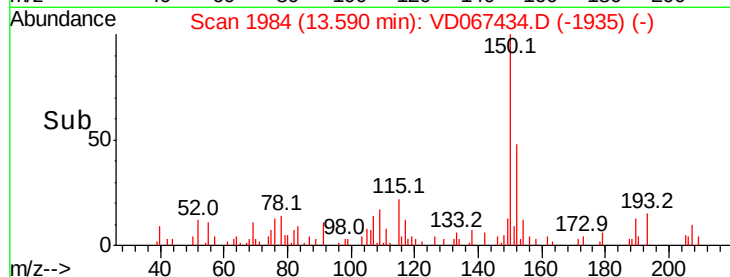
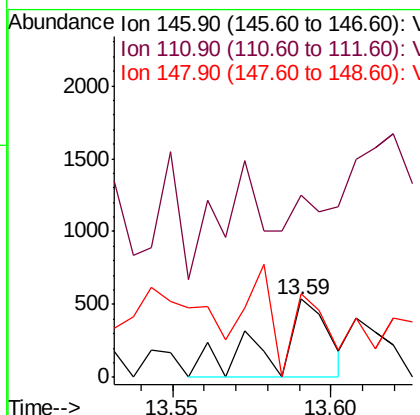
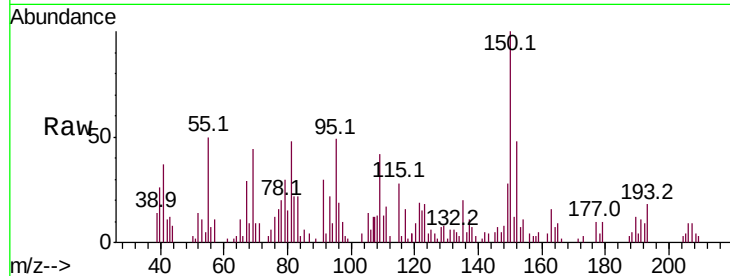




#88
 1,4-Dichlorobenzene
 Concen: 2.024 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VD067434.D
 Acq: 28 Oct 2020 15:21

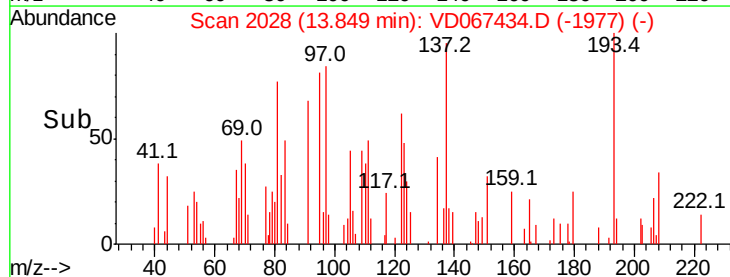
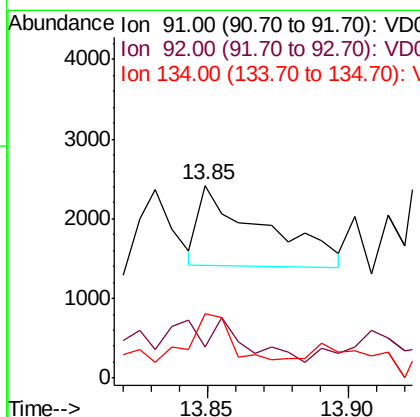
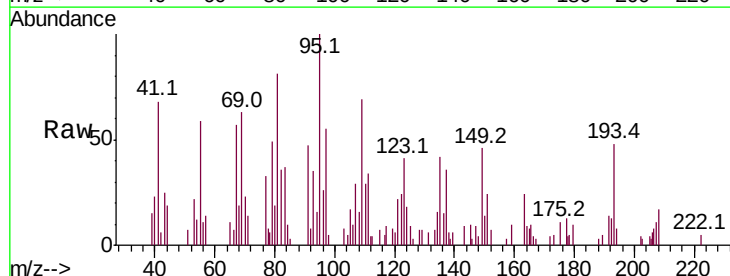
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-24245RE

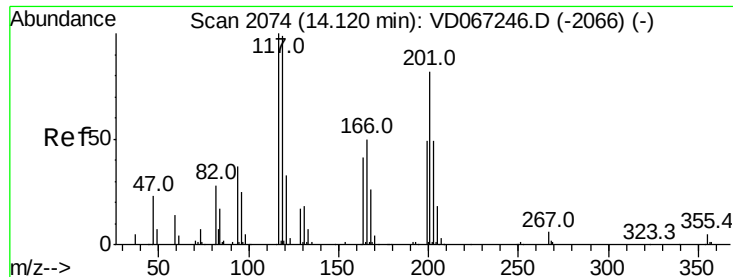
Tot Ion:146 Resp: 667
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.9 59.7#
 148 64.6 31.9 95.9



#89
 n-Butylbenzene
 Concen: 2.735 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: VD067434.D
 Acq: 28 Oct 2020 15:21

Tgt Ion: 91 Resp: 1585
 Ion Ratio Lower Upper
 91 100
 92 55.6 26.7 80.0
 134 40.8 14.2 42.6





#90

Hexachloroethane

Concen: 3.444 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

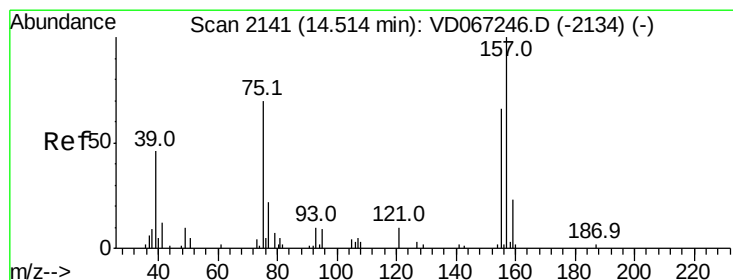
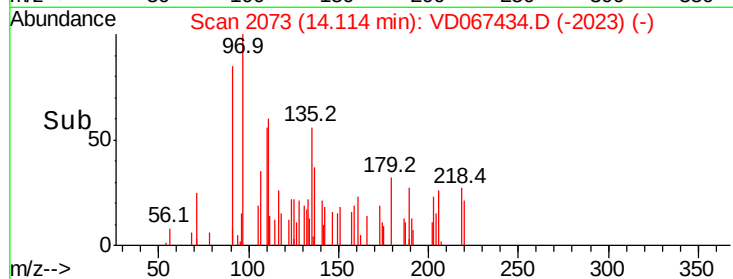
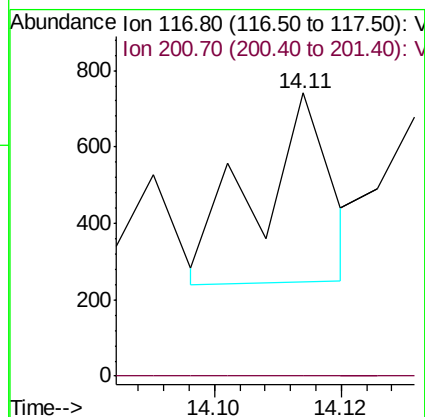
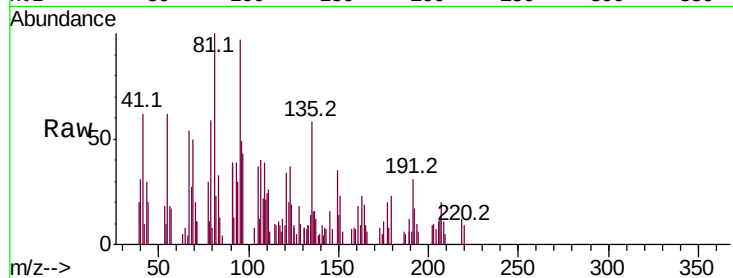
CHRT-24245RE

Tot Ion:117 Resp: 396

Ion Ratio Lower Upper

117 100

201 0.0 40.8 122.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.851 ug/l

RT: 14.28 min Scan# 2102

Delta R.T. -0.23 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

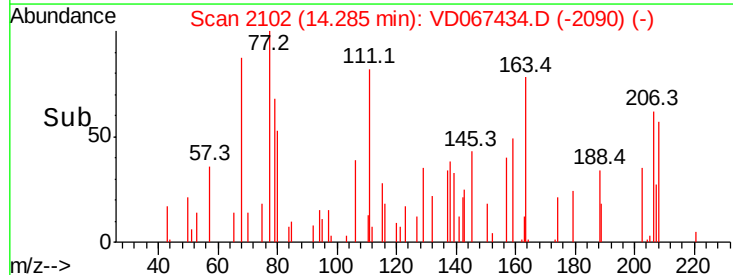
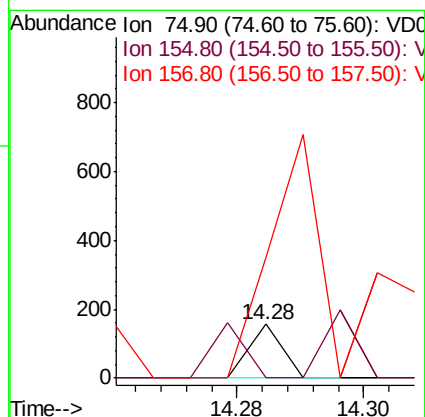
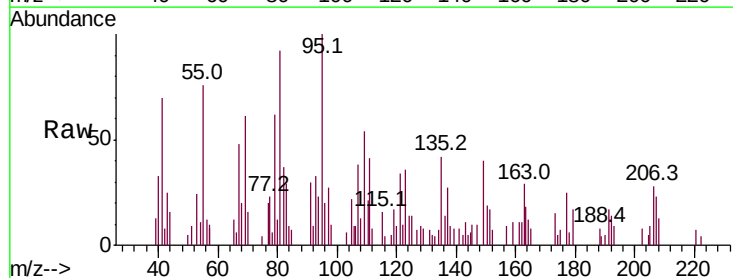
Tgt Ion: 75 Resp: 55

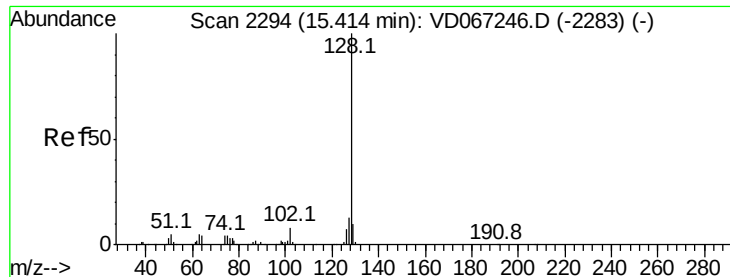
Ion Ratio Lower Upper

75 100

155 127.3 44.8 134.4

157 1038.2 62.5 187.4#





#95

Naphthalene

Concen: 3.262 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24245RE

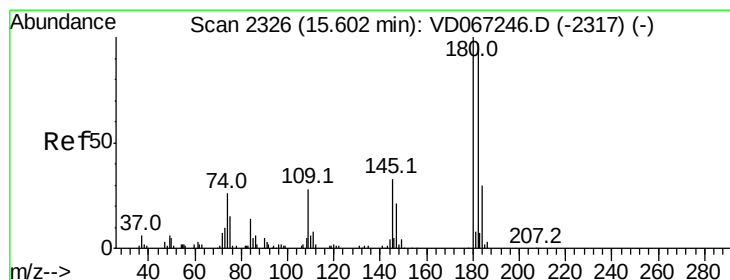
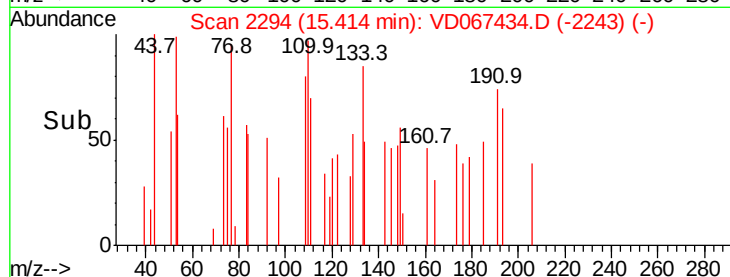
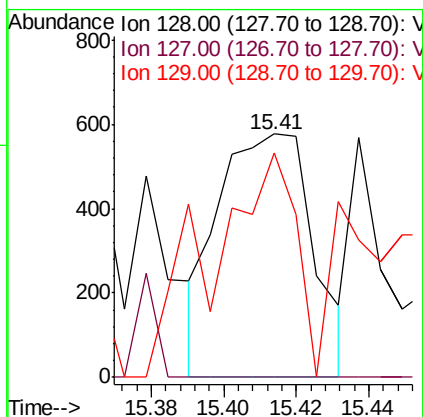
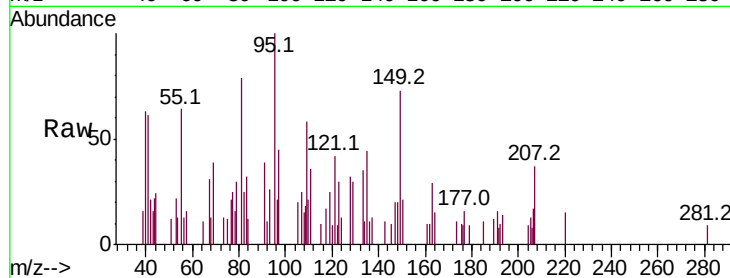
Tot Ion:128 Resp: 1049

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 57.6 8.6 12.8#



#96

1,2,3-Trichlorobenzene

Concen: 1.347 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067434.D

Acq: 28 Oct 2020 15:21

Tgt Ion:180 Resp: 228

Ion Ratio Lower Upper

180 100

182 42.1 48.1 144.3#

145 84.2 17.3 51.9#

