

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067415.D
 Acq On : 27 Oct 2020 16:52
 Operator : VA/SY
 Sample : L4528-01
 Misc : 3.29G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27339

Quant Time: Oct 28 00:46:25 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	258759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	444344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	387648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	106328	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	150820	58.18	ug/l	0.00
Spiked Amount			Recovery	=	116.36%	
35) Dibromofluoromethane	7.91	113	148334	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
50) Toluene-d8	10.34	98	493632	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.64	95	150309	40.39	ug/l	0.00
Spiked Amount			Recovery	=	80.78%	

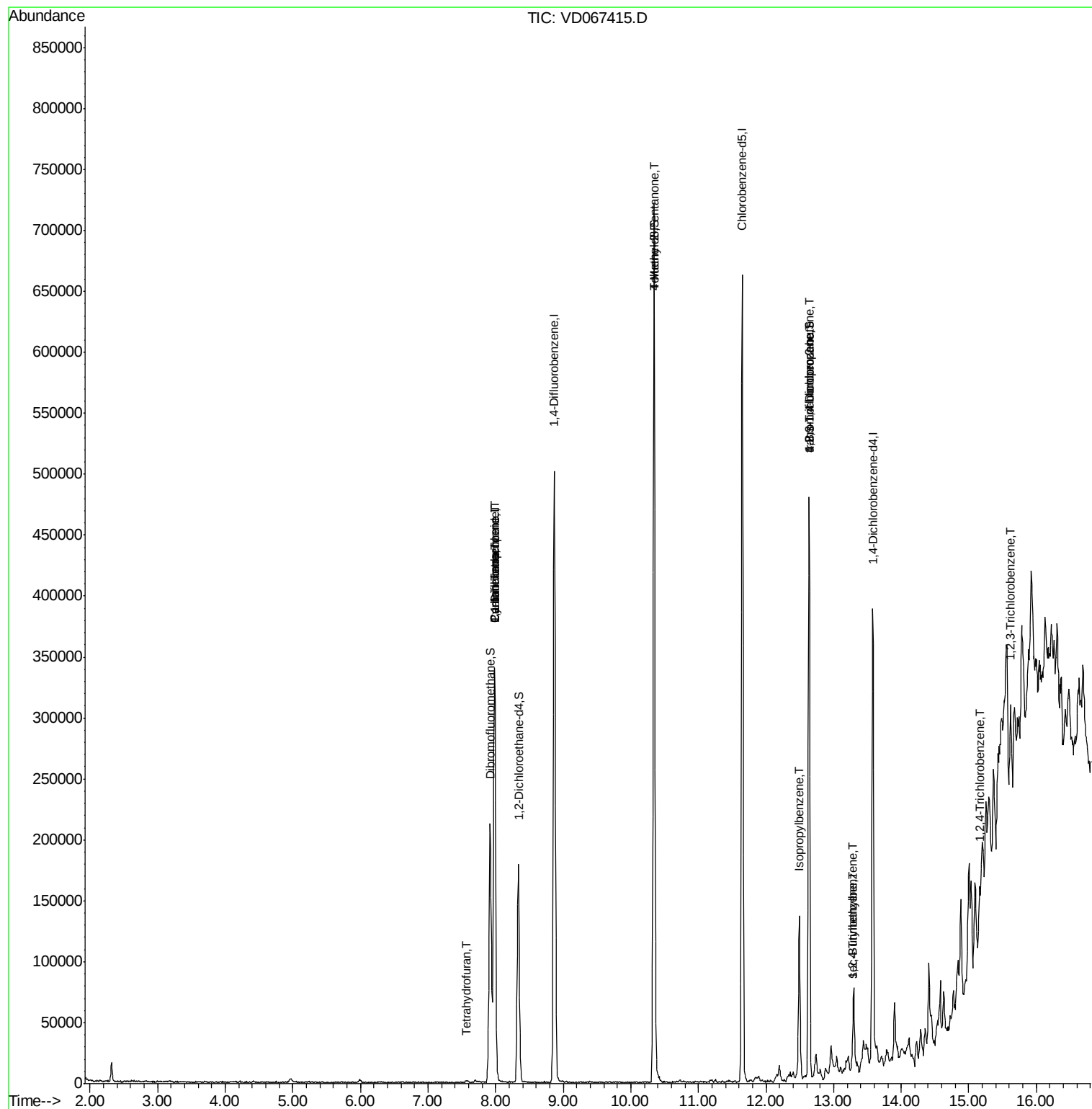
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	81	Below Cal	#	3
11) Tert butyl alcohol	5.22	59	331	Below Cal	#	55
20) Methylene Chloride	4.97	84	2506	Below Cal	#	70
29) Tetrahydrofuran	7.56	42	1258	5.468	ug/l	96
31) Cyclohexane	7.98	56	5520	1.849	ug/l #	46
36) 1,1-Dichloropropene	7.98	75	18688	4.962	ug/l #	47
38) Carbon Tetrachloride	7.98	117	26543	5.514	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	1804	1.645	ug/l #	1
73) Isopropylbenzene	12.50	105	7450	1.104	ug/l #	70
76) 1,2,3-Trichloropropane	12.64	75	74733	101.408	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	74733	229.963	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.28	105	7566	1.305	ug/l	76
85) sec-Butylbenzene	13.28	105	7566	1.113	ug/l	81
93) 1,2,4-Trichlorobenzene	15.17	180	1966	1.031	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.62	180	7820	4.746	ug/l #	14

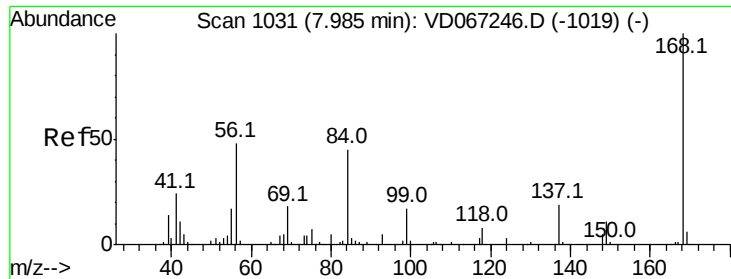
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102720\
Data File : VD067415.D
Acq On : 27 Oct 2020 16:52
Operator : VA/SY
Sample : L4528-01
Misc : 3.29G/5.00ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27339

Quant Time: Oct 28 00:46:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

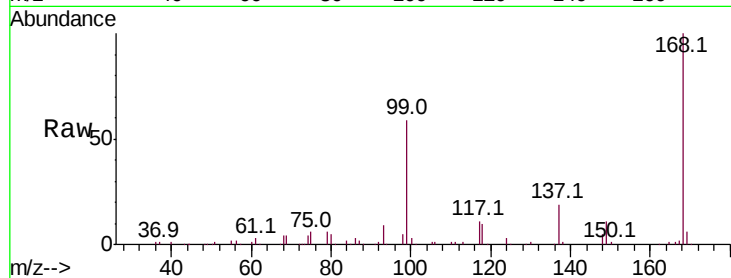
CHRT-27339

Tot Ion:168 Resp: 258759

Ion Ratio Lower Upper

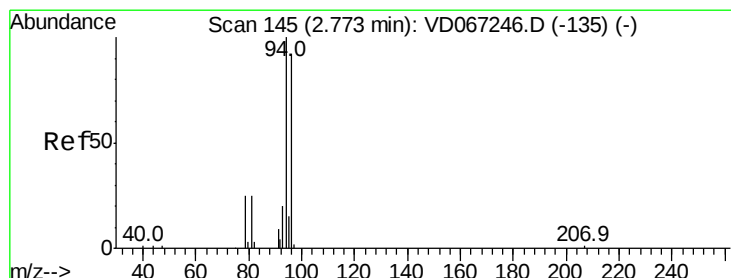
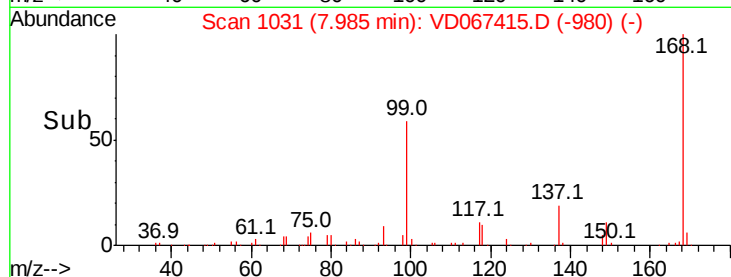
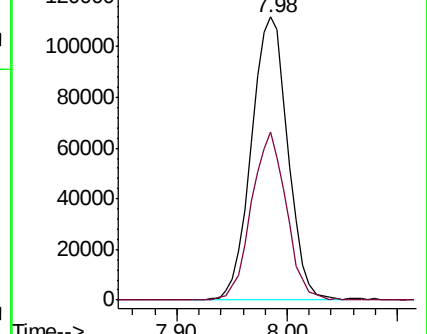
168 100

99 59.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067415.D

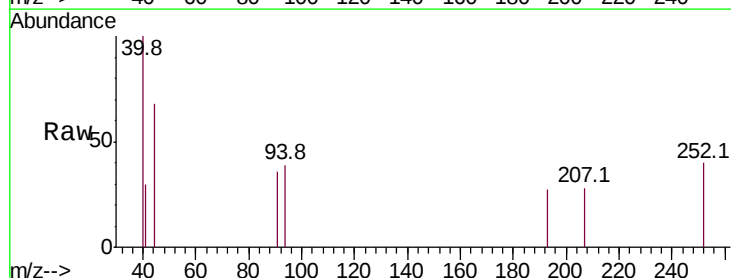
Acq: 27 Oct 2020 16:52

Tgt Ion: 94 Resp: 81

Ion Ratio Lower Upper

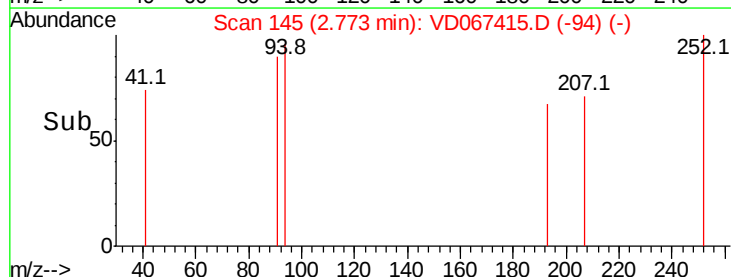
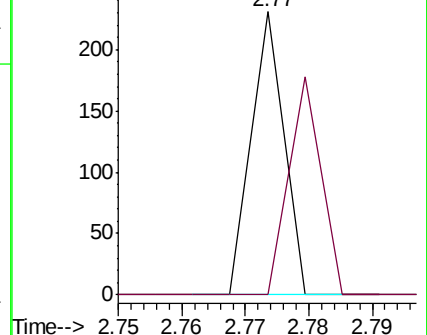
94 100

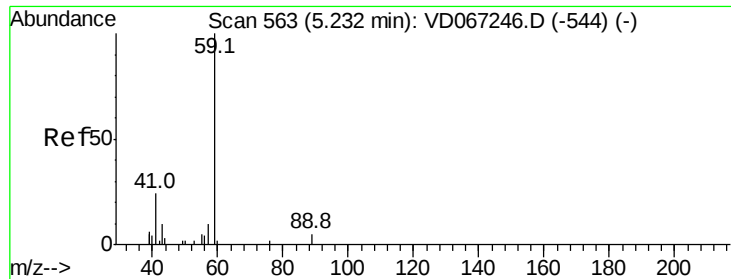
96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



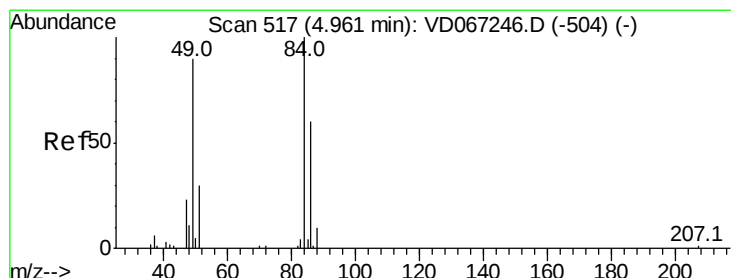
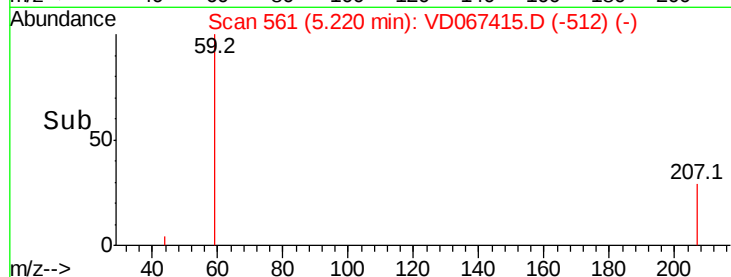
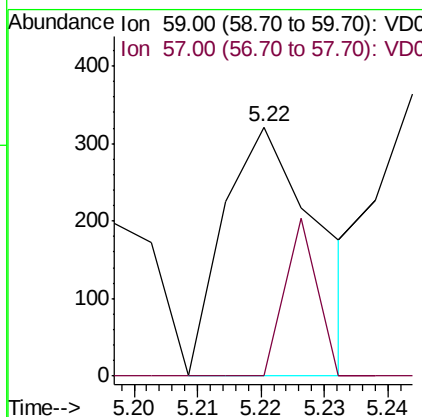
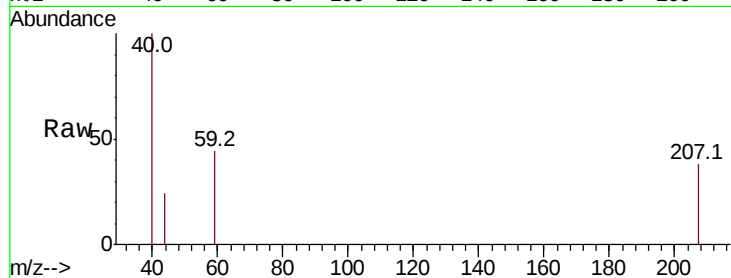


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067415.D
Acq: 27 Oct 2020 16:52

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27339

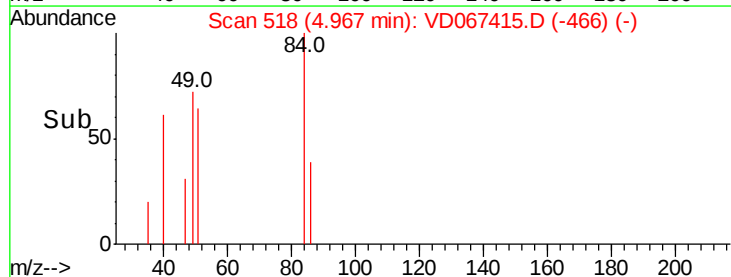
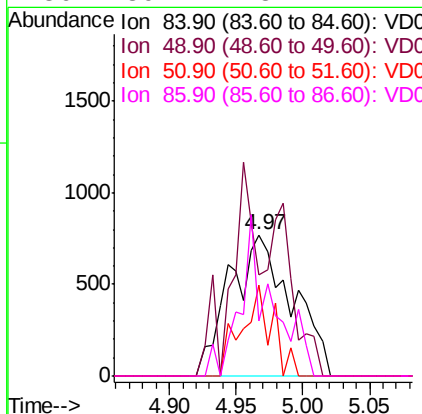
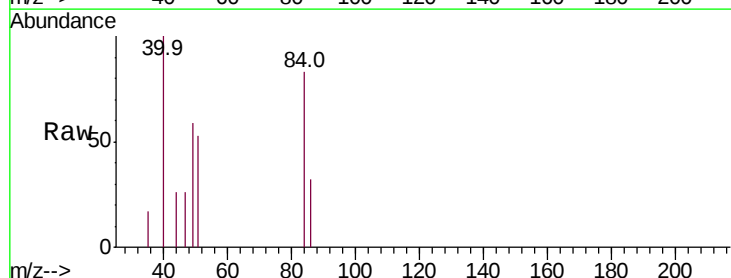
Tot Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 21.8 5.1 7.7#

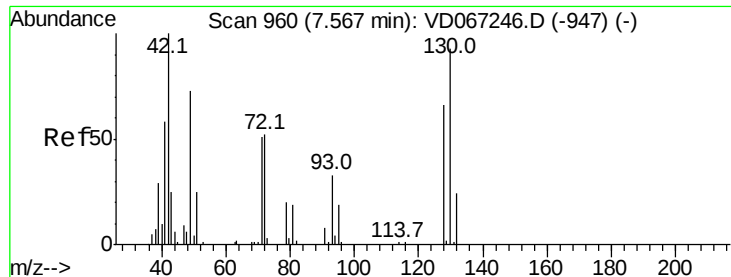


#20

Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067415.D
Acq: 27 Oct 2020 16:52

Tgt Ion: 84 Resp: 2506
Ion Ratio Lower Upper
84 100
49 71.7 72.2 108.2#
51 64.2 23.8 35.8#
86 39.2 48.2 72.4#

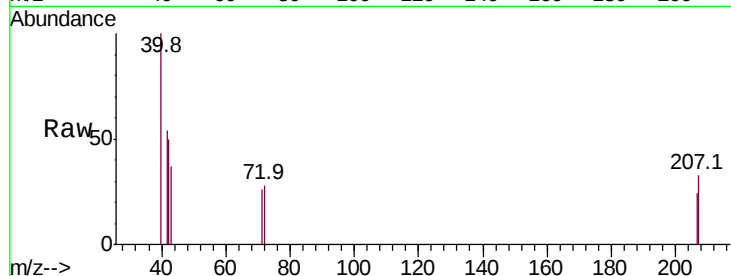




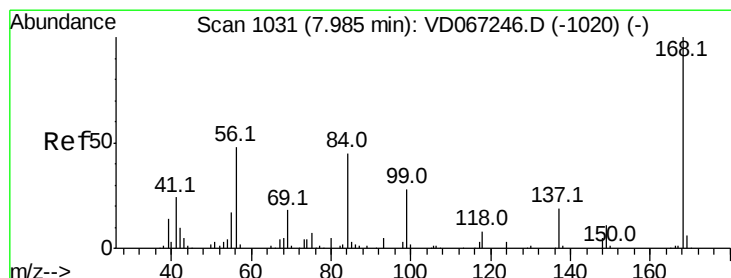
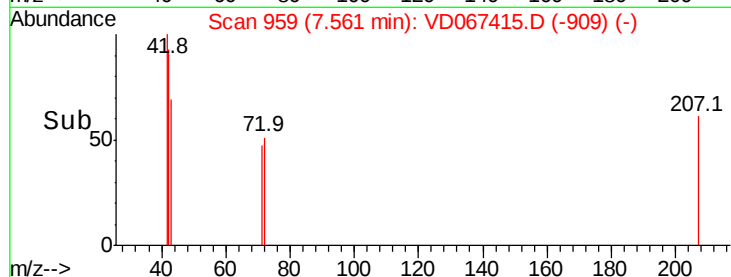
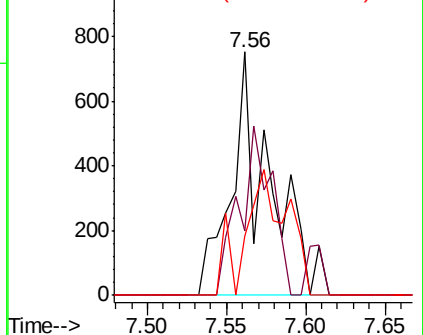
#29
Tetrahydrofuran
Concen: 5.468 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067415.D
Acq: 27 Oct 2020 16:52

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27339

Tot Ion: 42 Resp: 1258
Ion Ratio Lower Upper
42 100
72 58.5 43.2 64.8
71 49.7 39.4 59.0

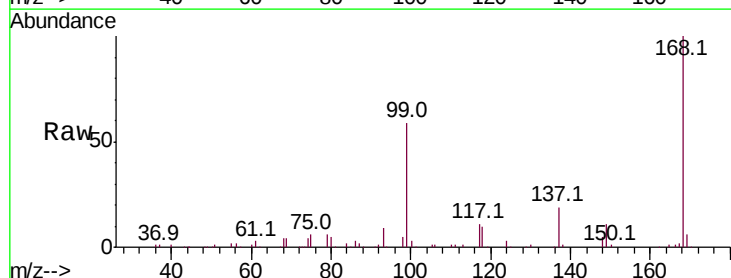


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

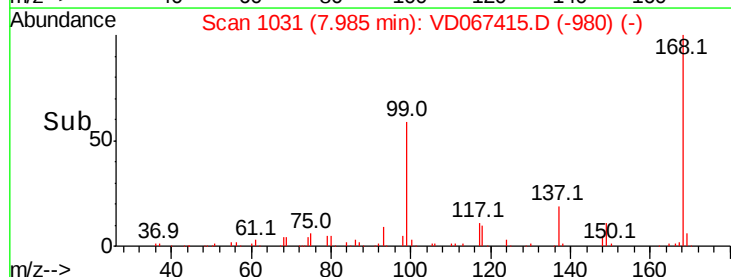
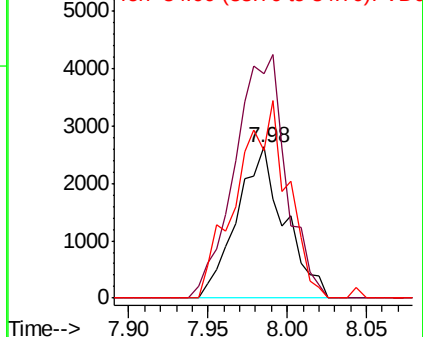


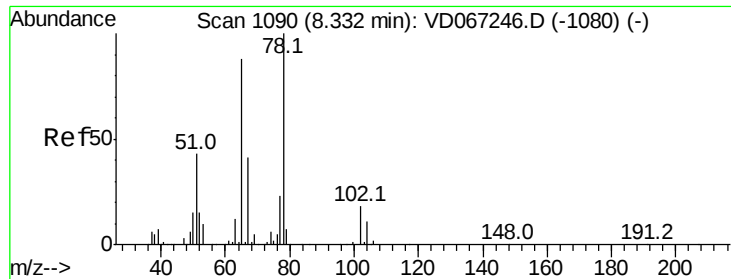
#31
Cyclohexane
Concen: 1.849 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067415.D
Acq: 27 Oct 2020 16:52

Tgt Ion: 56 Resp: 5520
Ion Ratio Lower Upper
56 100
69 148.2 29.8 44.6#
84 97.8 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

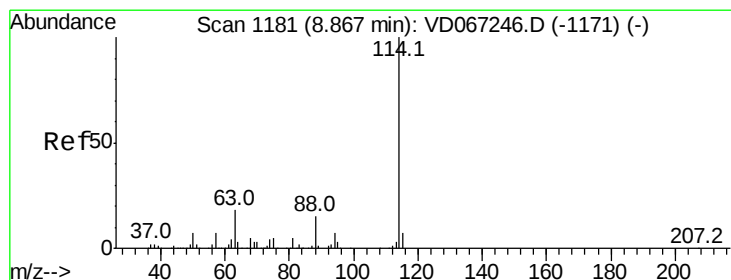
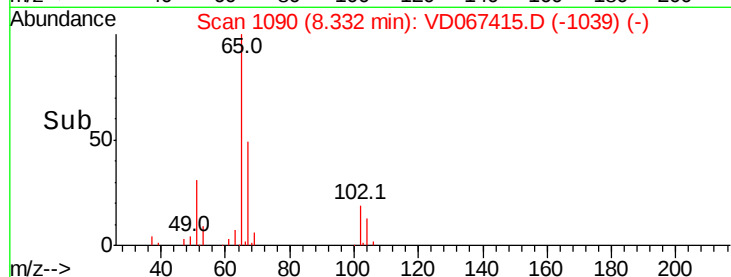
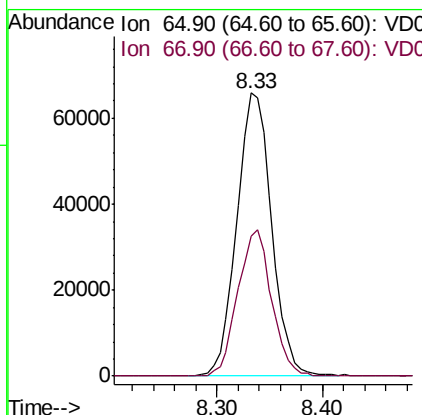
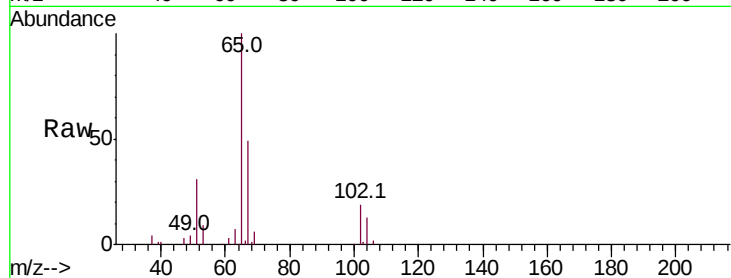




#33
 1,2-Dichloroethane-d4
 Concen: 58.178 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067415.D
 Acq: 27 Oct 2020 16:52

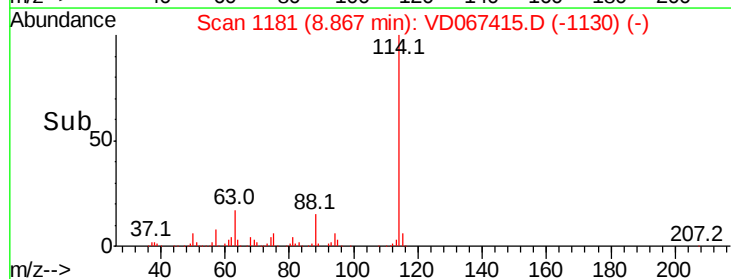
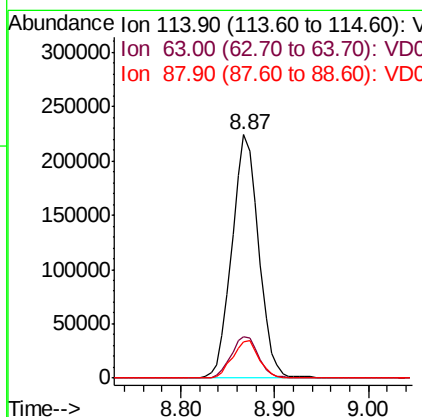
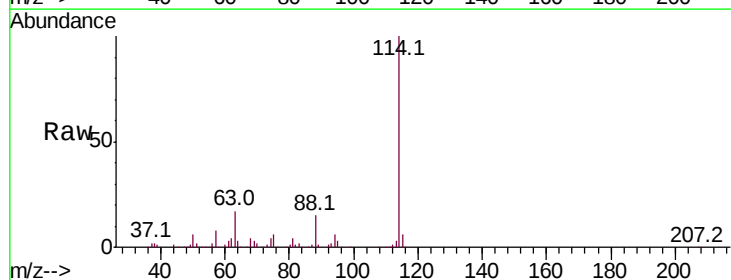
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27339

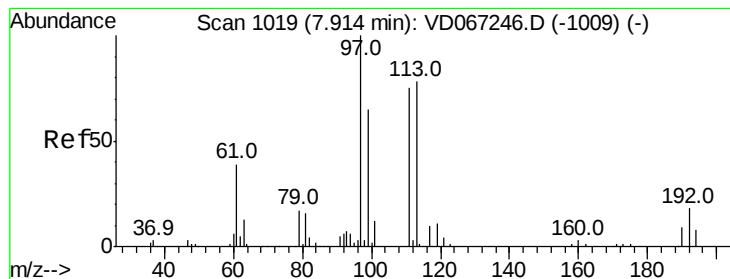
Tot Ion: 65 Resp: 150820
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067415.D
 Acq: 27 Oct 2020 16:52

Tgt Ion: 114 Resp: 444344
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.0
 88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.162 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27339

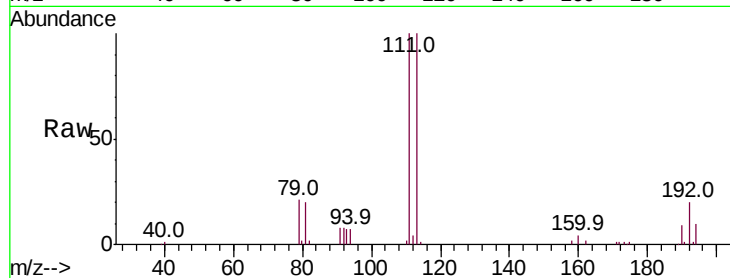
Tot Ion:113 Resp: 148334

Ion Ratio Lower Upper

113 100

111 104.0 81.6 122.4

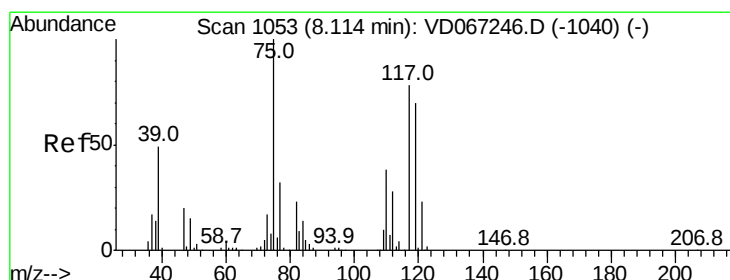
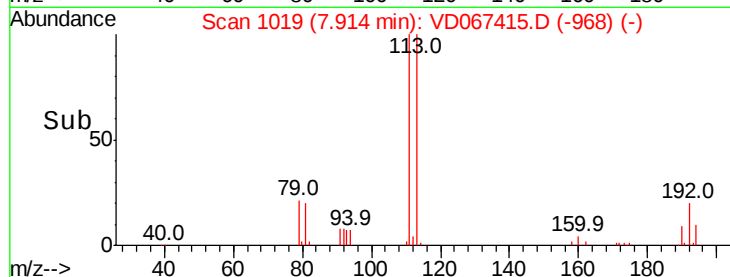
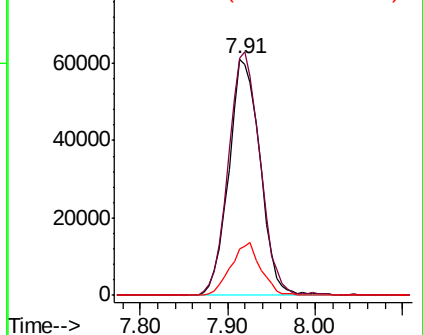
192 21.0 17.0 25.4



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: 4.962 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

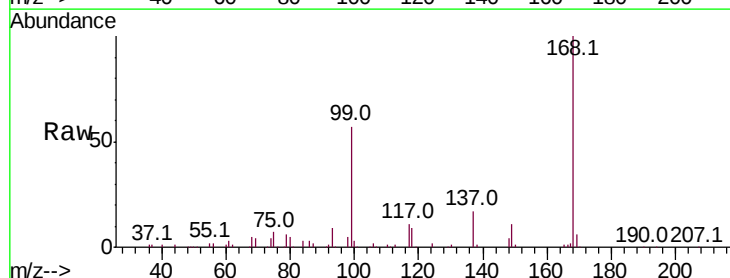
Tgt Ion: 75 Resp: 18688

Ion Ratio Lower Upper

75 100

110 8.6 19.6 58.7#

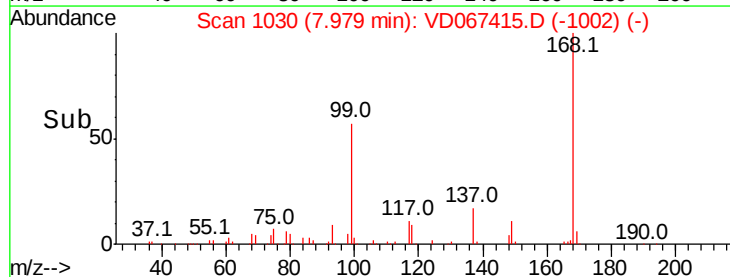
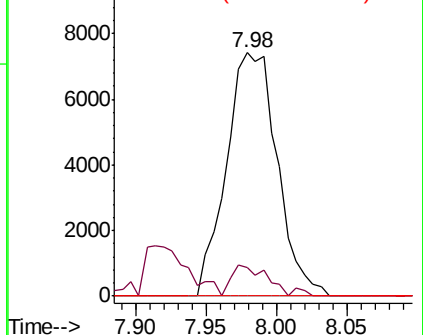
77 0.0 24.6 37.0#

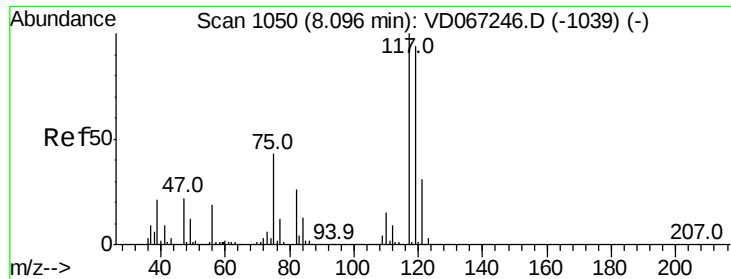


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

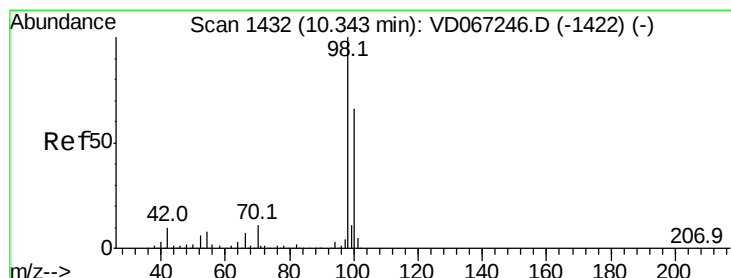
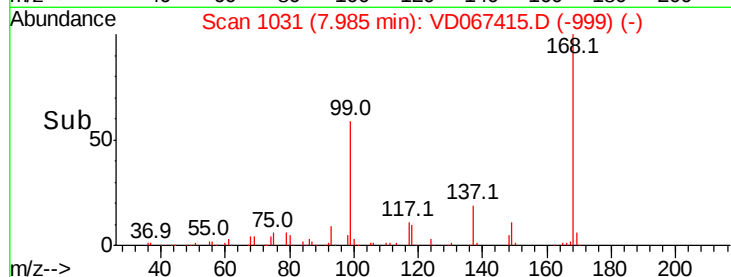
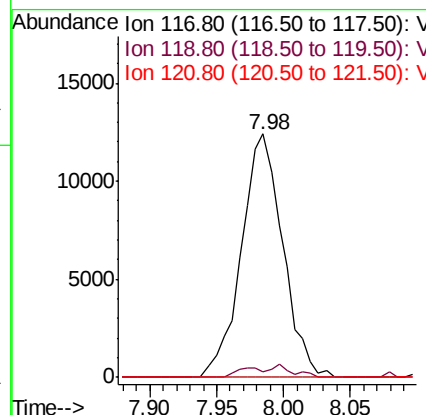
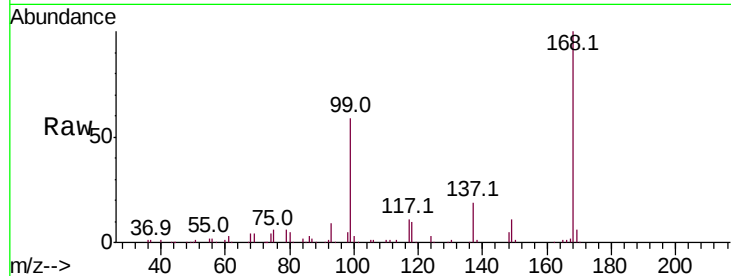




#38
Carbon Tetrachloride
Concen: 5.514 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067415.D
Acq: 27 Oct 2020 16:52

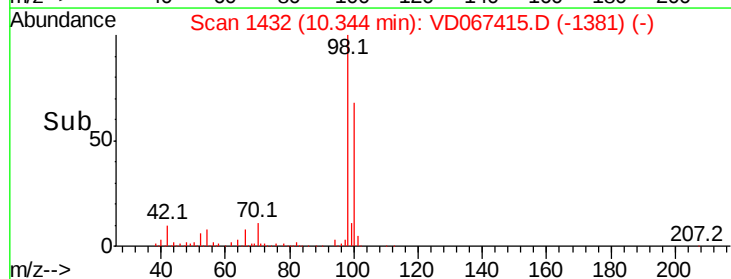
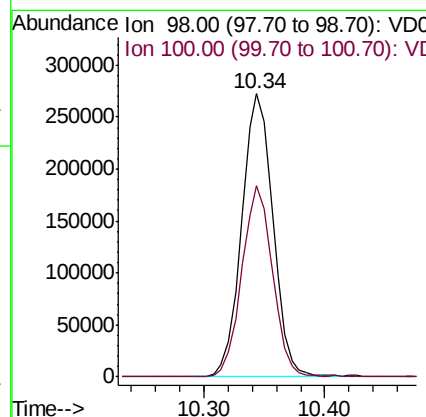
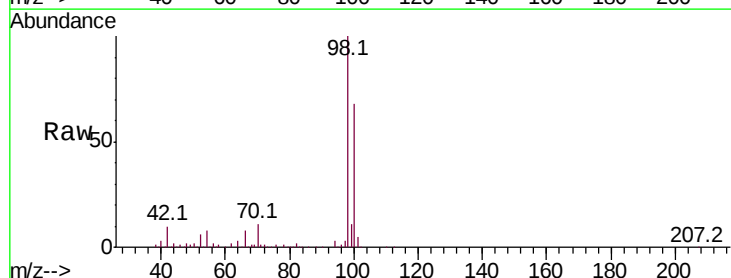
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27339

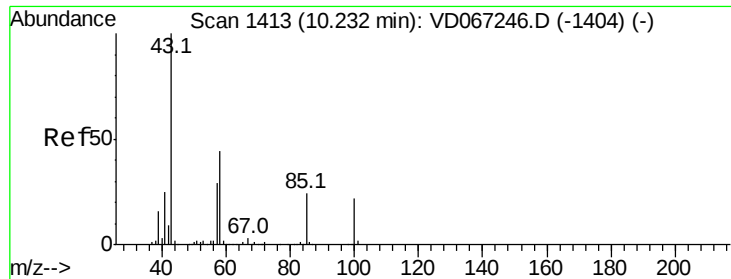
Tot Ion:117 Resp: 26543
Ion Ratio Lower Upper
117 100
119 2.4 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 46.127 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067415.D
Acq: 27 Oct 2020 16:52

Tgt Ion: 98 Resp: 493632
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.645 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

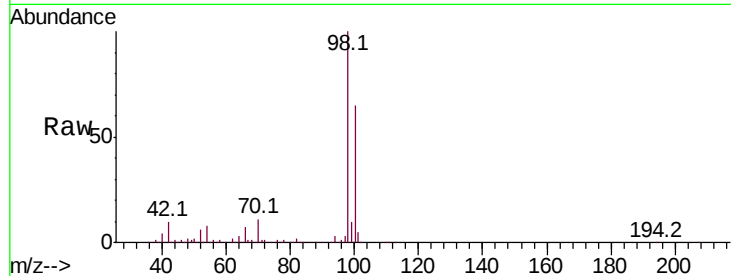
CHRT-27339

Tot Ion: 43 Resp: 1804

Ion Ratio Lower Upper

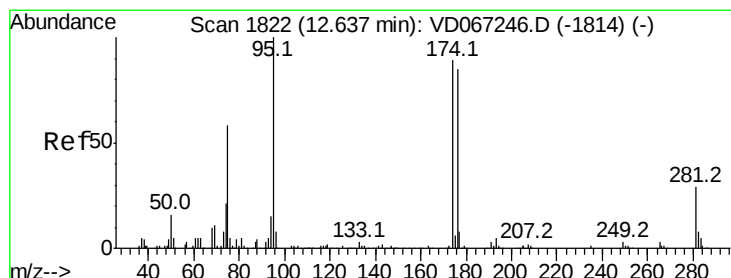
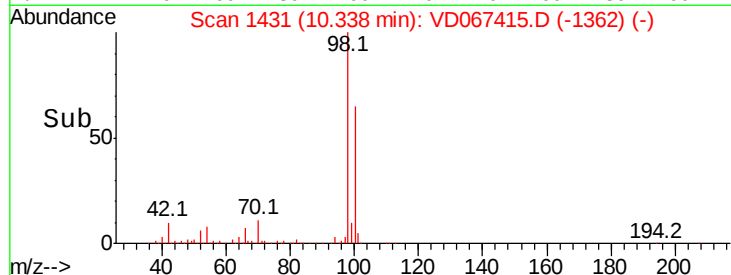
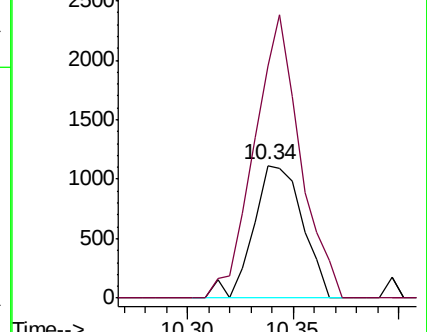
43 100

58 199.4 35.7 53.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 40.393 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

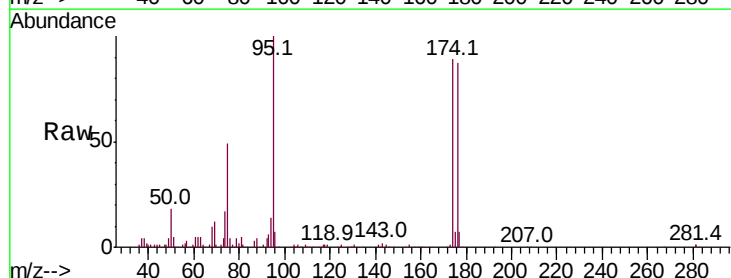
Tgt Ion: 95 Resp: 150309

Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.2

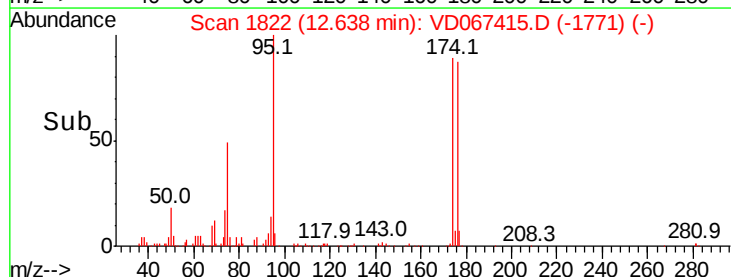
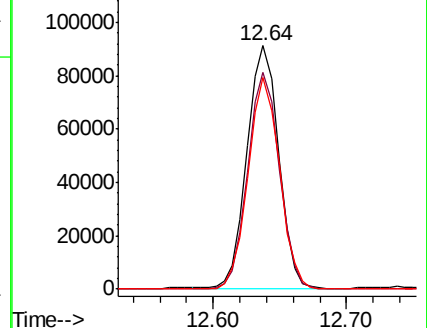
176 85.8 0.0 168.6

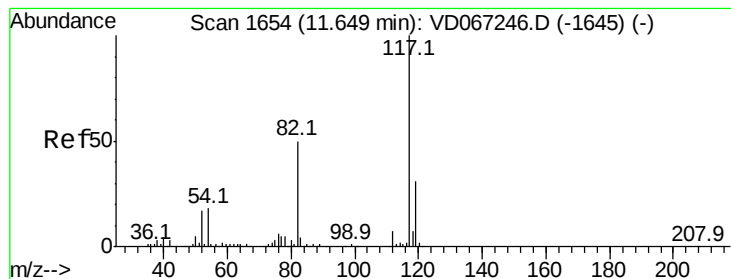


Abundance Ion 94.90 (94.60 to 95.60): VDC

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: VD067415.D

Acq: 27 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27339

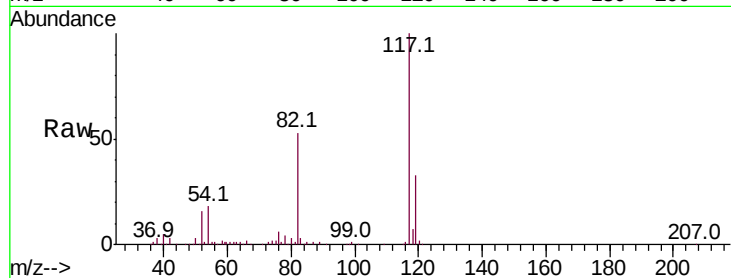
Tot Ion:117 Resp: 387648

Ion Ratio Lower Upper

117 100

82 52.6 39.9 59.9

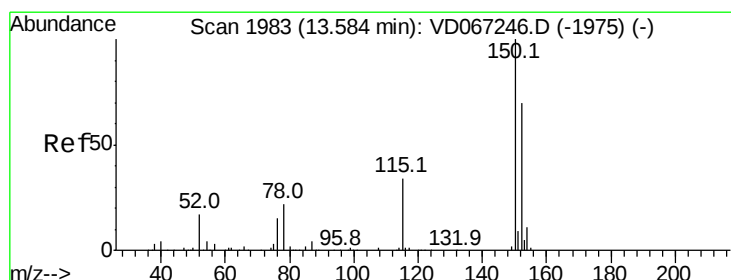
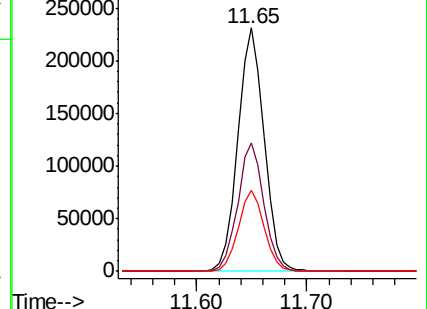
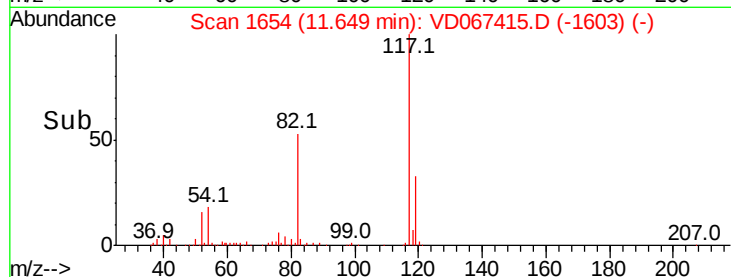
119 33.2 24.9 37.3



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

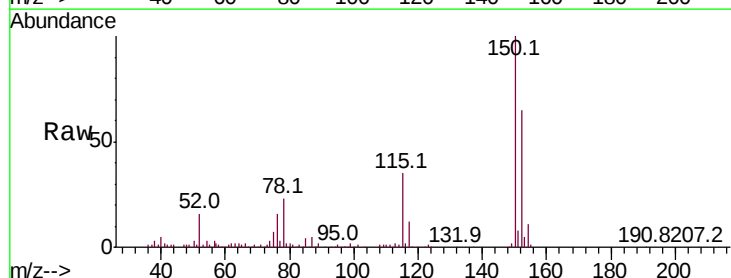
Tgt Ion:152 Resp: 106328

Ion Ratio Lower Upper

152 100

115 57.7 29.3 87.9

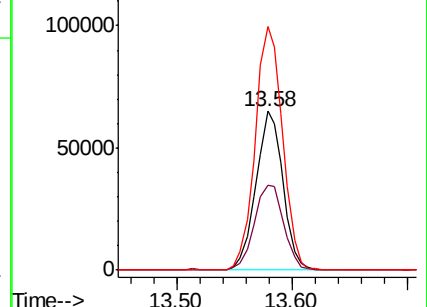
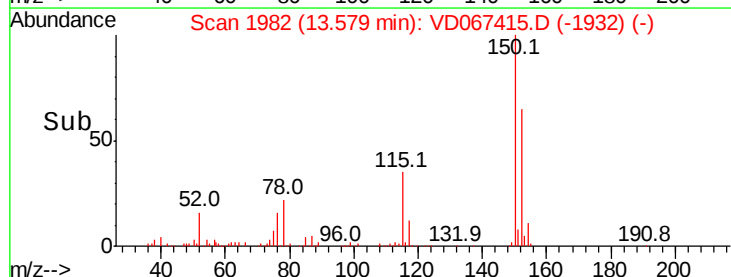
150 154.5 0.0 339.0

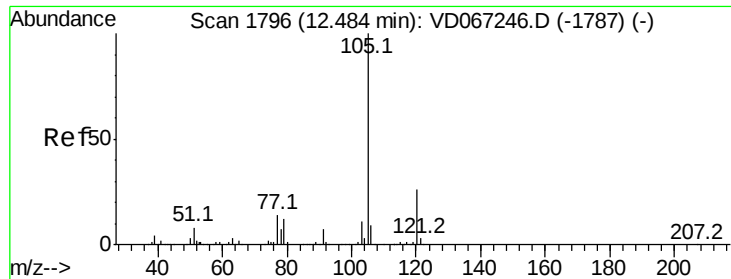


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.104 ug/l

RT: 12.50 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

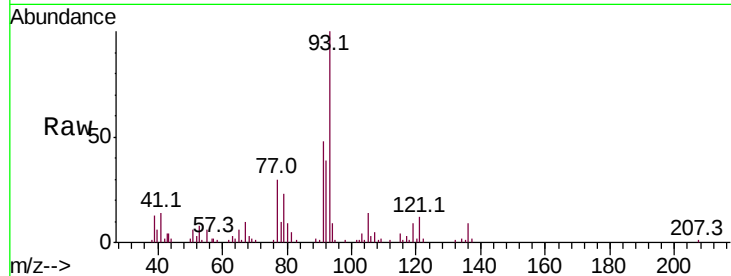
CHRT-27339

Tot Ion:105 Resp: 7450

Ion Ratio Lower Upper

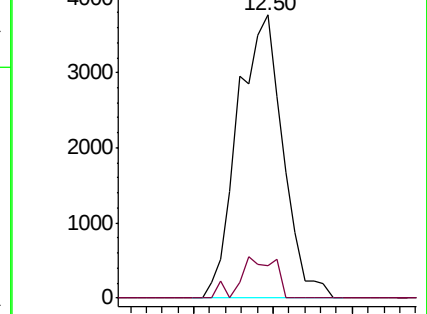
105 100

120 11.3 13.3 39.8#

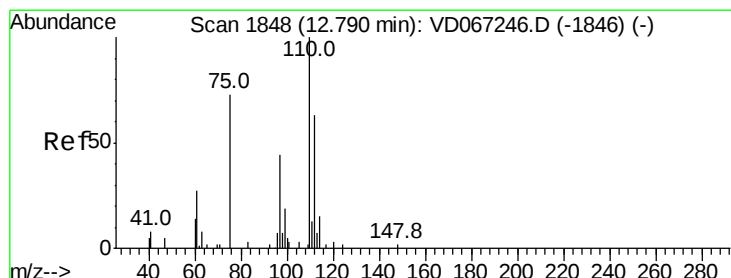
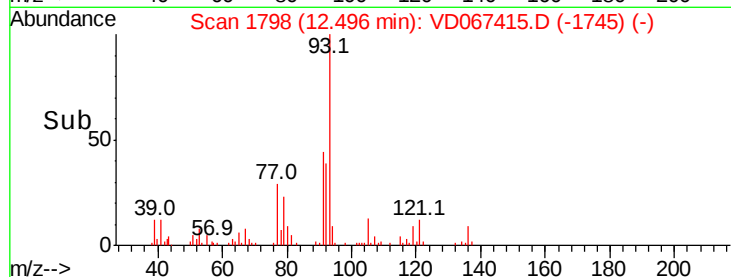


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 101.408 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067415.D

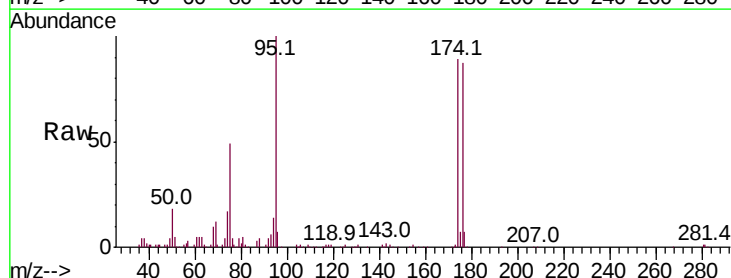
Acq: 27 Oct 2020 16:52

Tgt Ion: 75 Resp: 74733

Ion Ratio Lower Upper

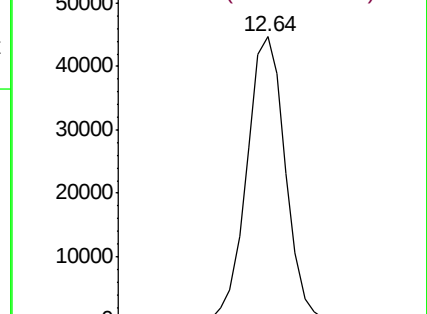
75 100

77 0.9 0.0 0.0#

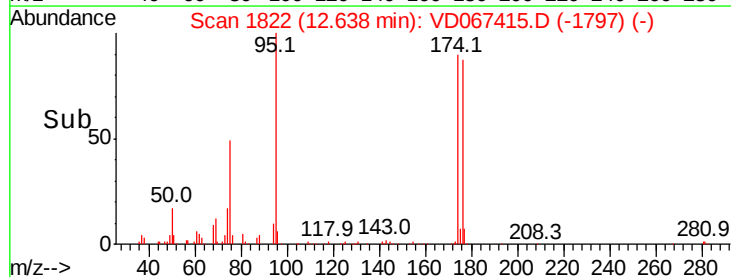


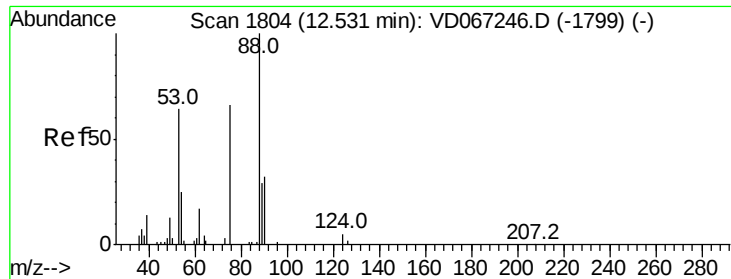
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 229.963 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27339

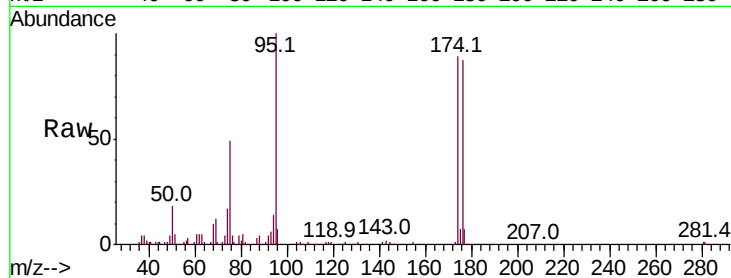
Tot Ion: 75 Resp: 74733

Ion Ratio Lower Upper

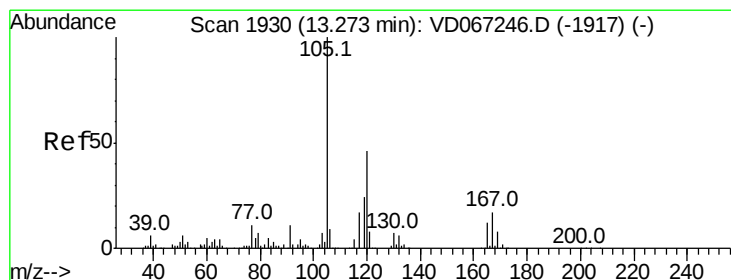
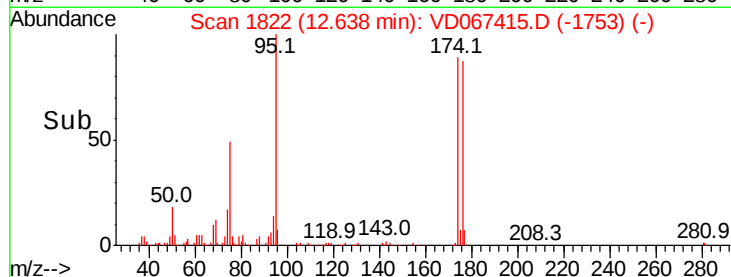
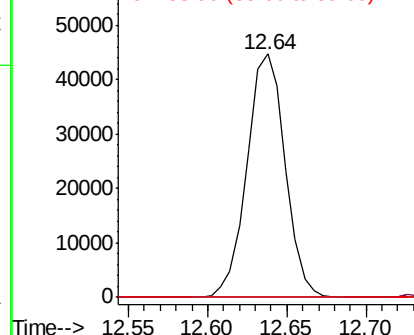
75 100

53 0.0 78.5 117.7#

89 0.0 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#84

1,2,4-Trimethylbenzene

Concen: 1.305 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.01 min

Lab File: VD067415.D

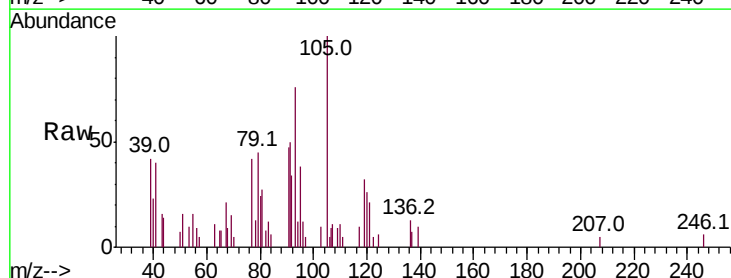
Acq: 27 Oct 2020 16:52

Tgt Ion: 105 Resp: 7566

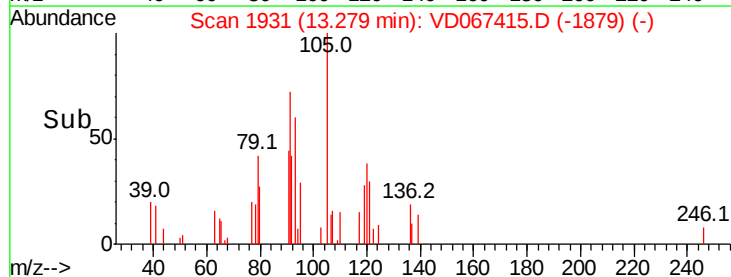
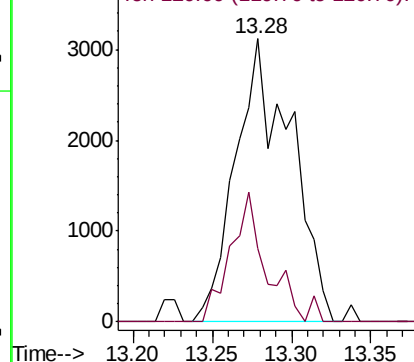
Ion Ratio Lower Upper

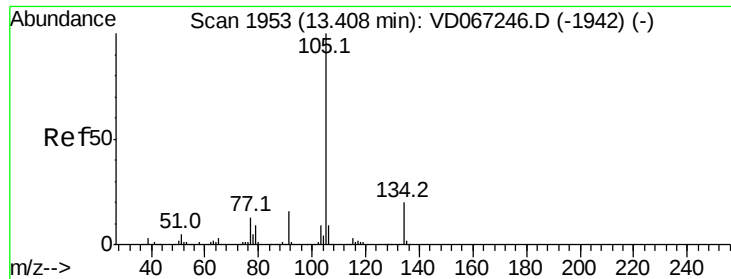
105 100

120 29.2 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.113 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.13 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

Instrument :

MSVOA_D

ClientSampleId :

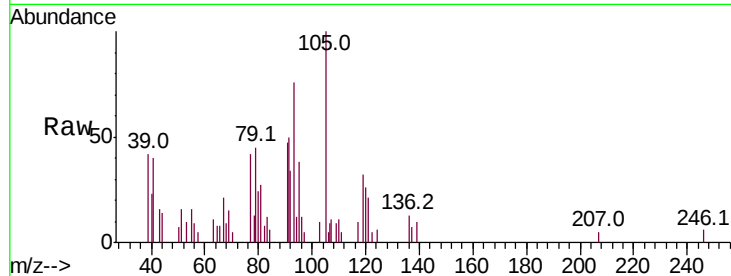
CHRT-27339

Tot Ion:105 Resp: 7566

Ion Ratio Lower Upper

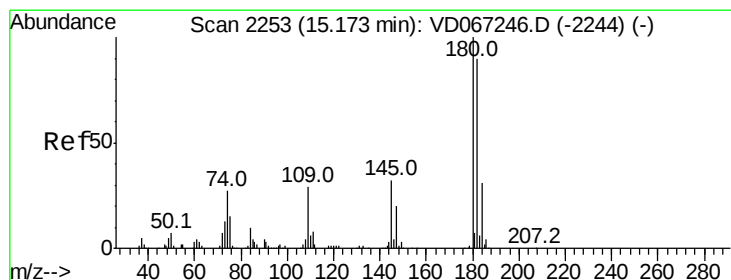
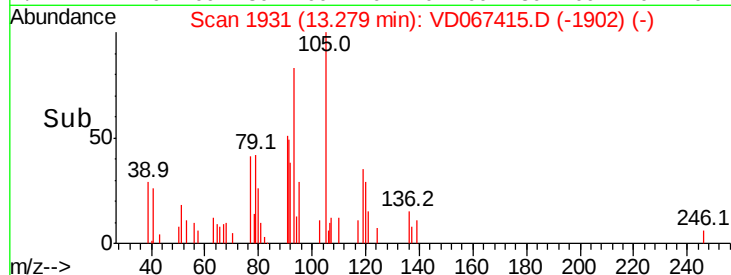
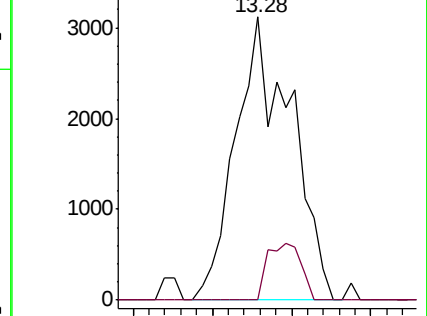
105 100

134 12.1 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#93

1,2,4-Trichlorobenzene

Concen: 1.031 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.01 min

Lab File: VD067415.D

Acq: 27 Oct 2020 16:52

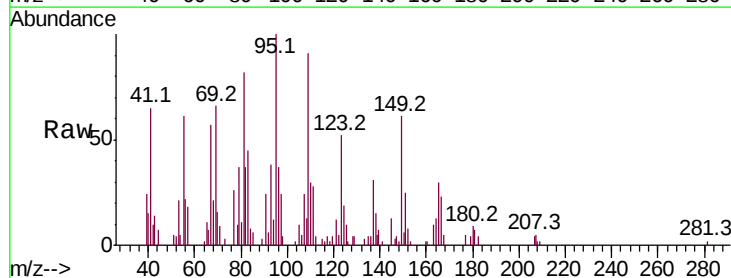
Tgt Ion:180 Resp: 1966

Ion Ratio Lower Upper

180 100

182 33.3 48.1 144.4#

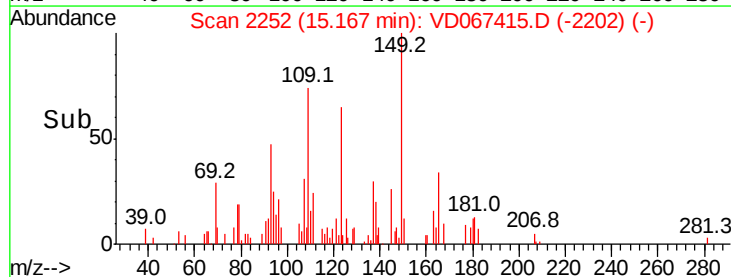
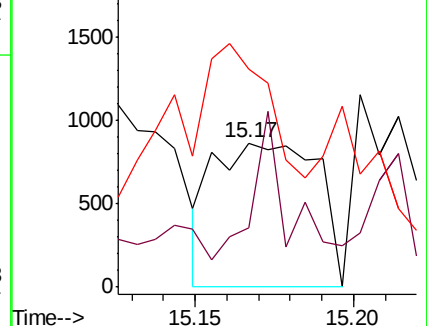
145 204.4 16.3 48.9#

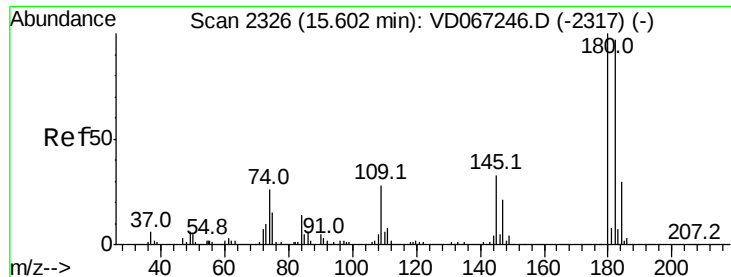


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

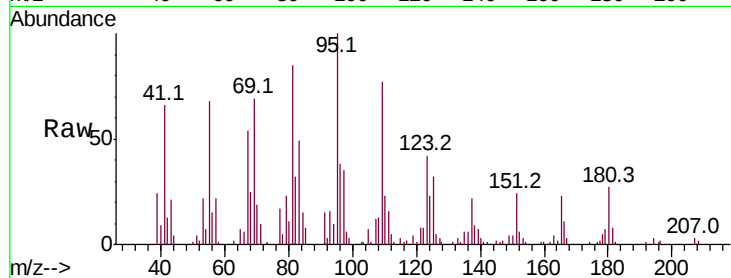




#96
 1,2,3-Trichlorobenzene
 Concen: 4.746 ug/l
 RT: 15.62 min Scan# 2329
 Delta R.T. 0.02 min
 Lab File: VD067415.D
 Acq: 27 Oct 2020 16:52

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27339

Tot Ion:180 Resp: 7820
 Ion Ratio Lower Upper
 180 100
 182 3.4 48.1 144.3#
 145 0.0 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

