

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067433.D
 Acq On : 28 Oct 2020 14:53
 Operator : VA/SY
 Sample : L4528-01RE
 Misc : 5.74G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27339

Quant Time: Oct 29 00:45:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	309115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	503743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	450627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	142464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	165400	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	7.92	113	165355	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
50) Toluene-d8	10.34	98	572429	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	12.64	95	179176	42.47	ug/l	0.00
Spiked Amount			Recovery	=	84.94%	

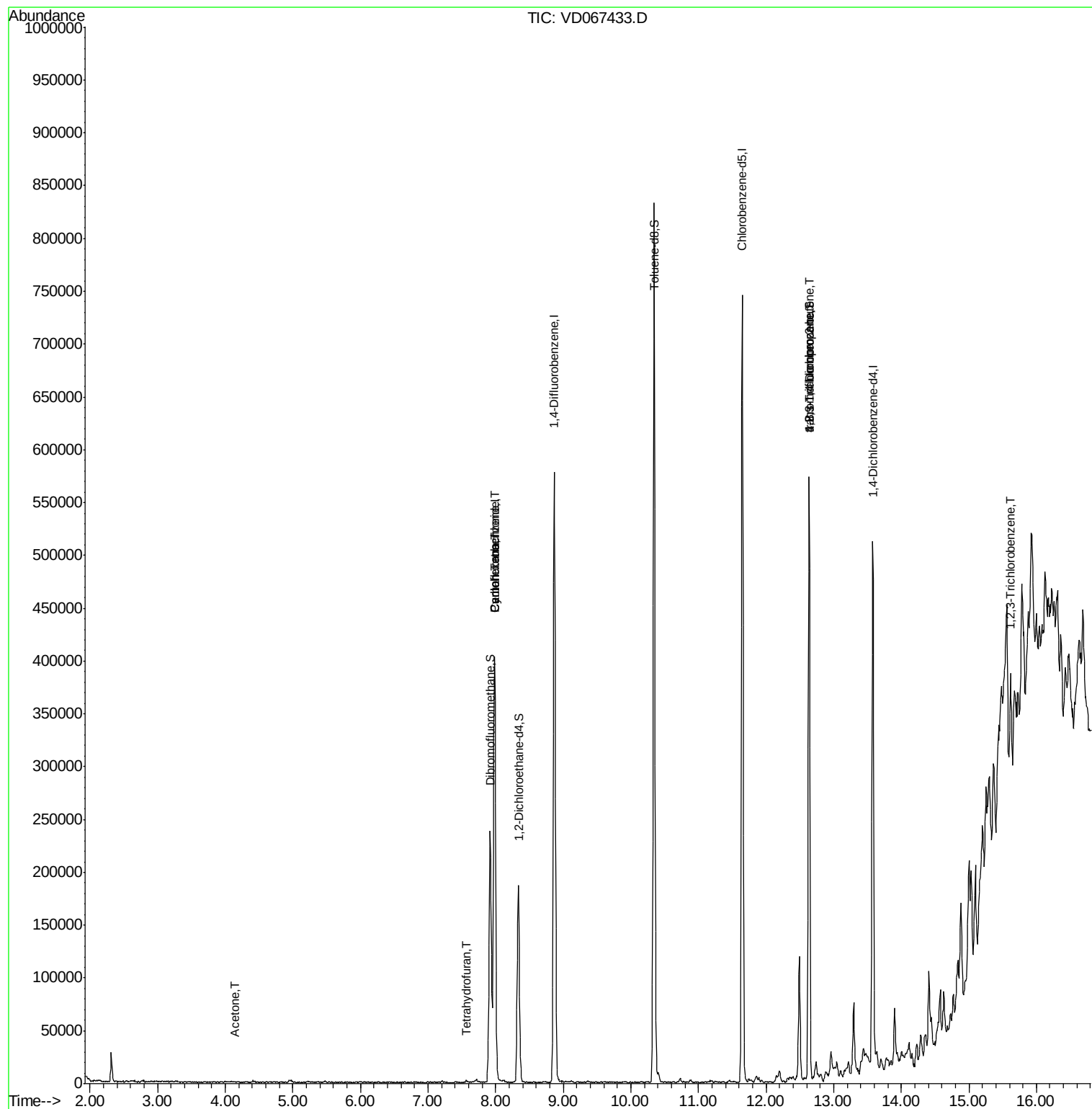
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	666	Below Cal		86
5) Bromomethane	2.77	94	521	Below Cal	#	3
11) Tert butyl alcohol	5.21	59	867	Below Cal	#	81
16) Acetone	4.15	43	529	1.220	ug/l #	42
20) Methylene Chloride	4.94	84	955	Below Cal	#	68
29) Tetrahydrofuran	7.56	42	476	1.732	ug/l #	26
31) Cyclohexane	7.98	56	6161	1.727	ug/l #	39
38) Carbon Tetrachloride	7.98	117	30386	5.568	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	90548	91.702	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	90548	207.954	ug/l #	10
96) 1,2,3-Trichlorobenzene	15.63	180	8181	3.706	ug/l #	12

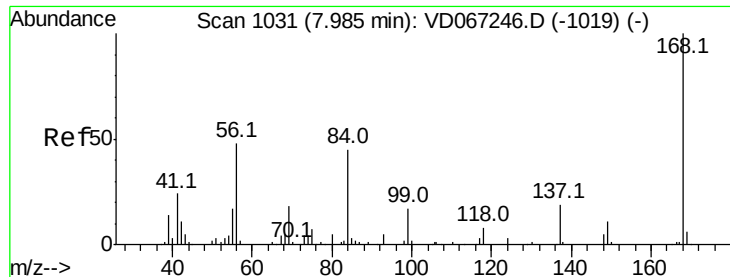
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067433.D

Acq: 28 Oct 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

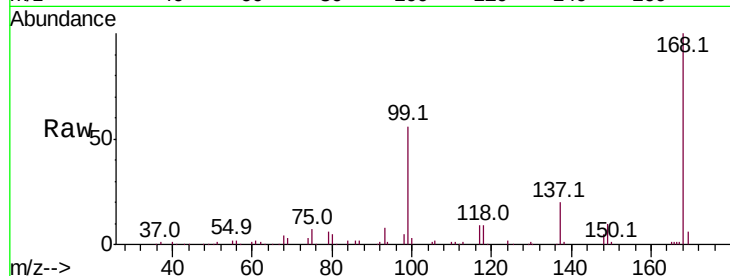
CHRT-27339

Tot Ion:168 Resp: 309115

Ion Ratio Lower Upper

168 100

99 56.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

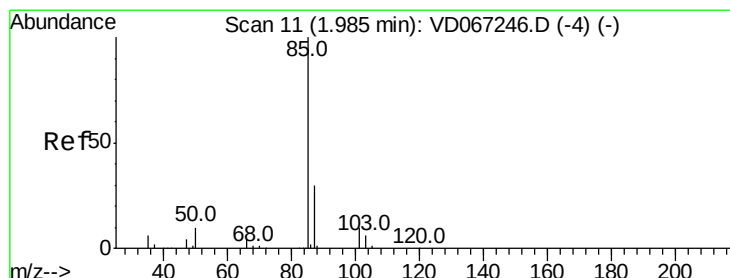
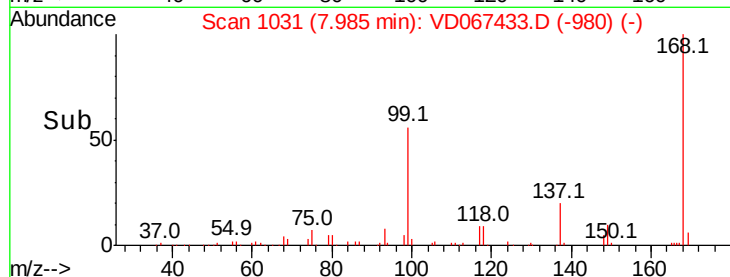
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067433.D

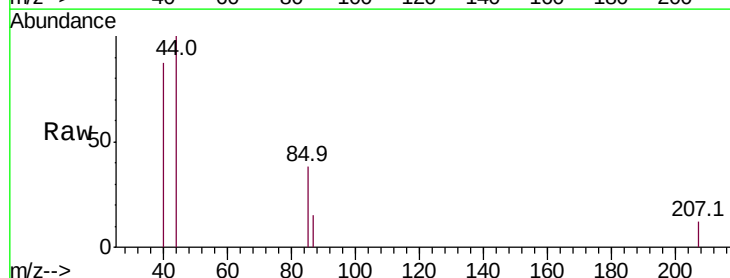
Acq: 28 Oct 2020 14:53

Tgt Ion: 85 Resp: 666

Ion Ratio Lower Upper

85 100

87 38.0 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

600

500

400

300

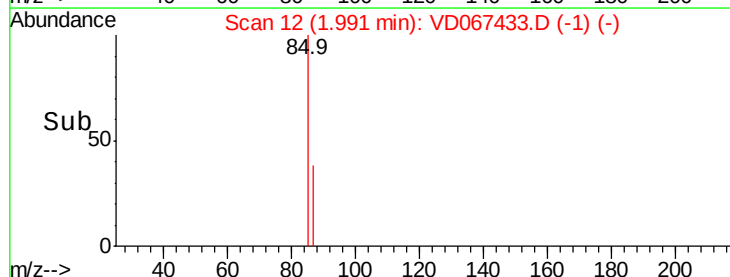
200

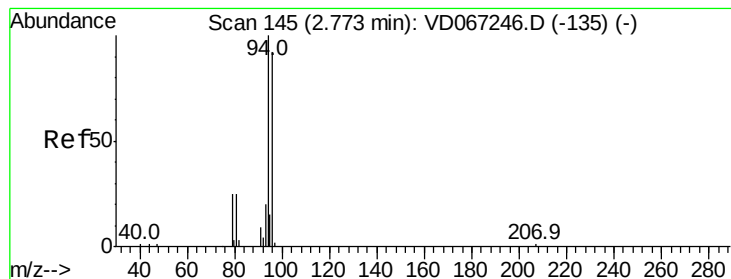
100

0

Time-->

1.94 1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

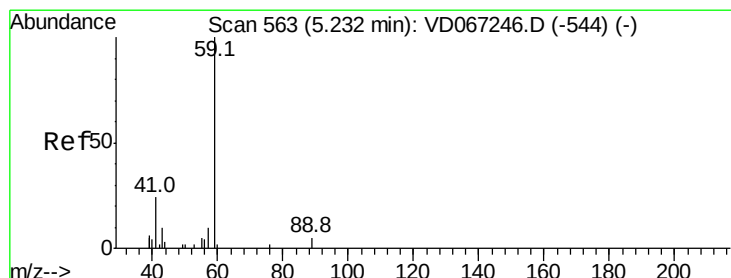
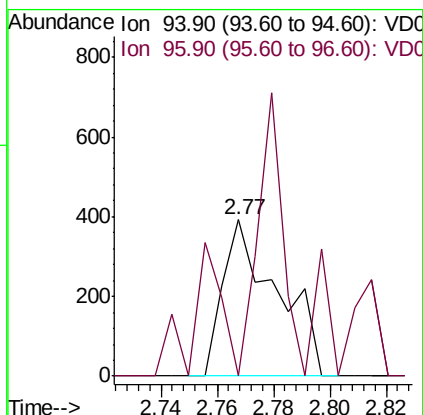
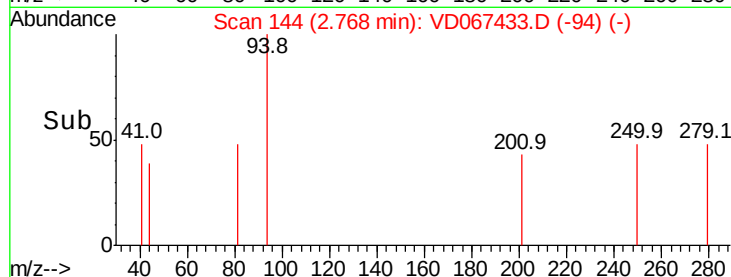
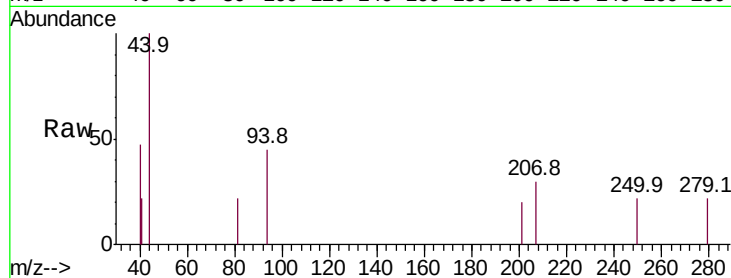
CHRT-27339

Tot Ion: 94 Resp: 521

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD067433.D

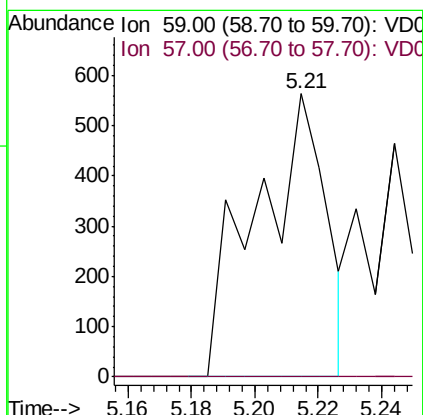
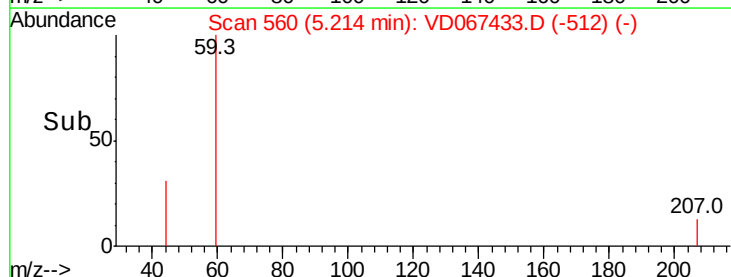
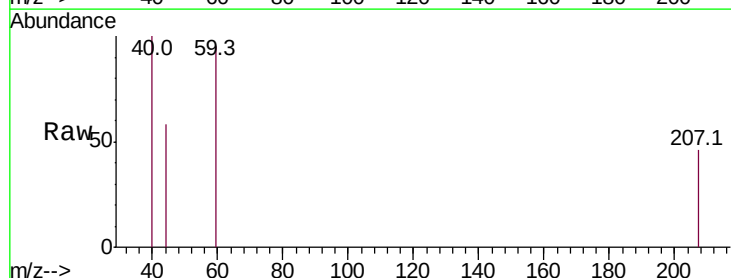
Acq: 28 Oct 2020 14:53

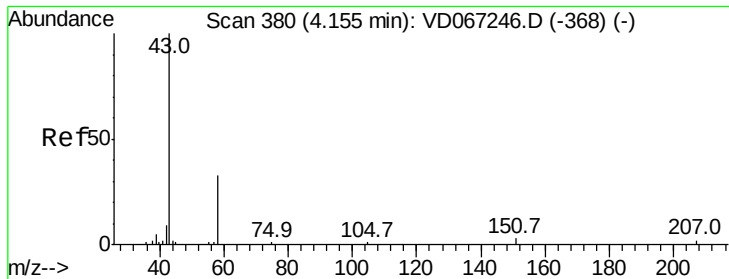
Tgt Ion: 59 Resp: 867

Ion Ratio Lower Upper

59 100

57 0.0 5.1 7.7#





#16

Acetone

Concen: 1.220 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

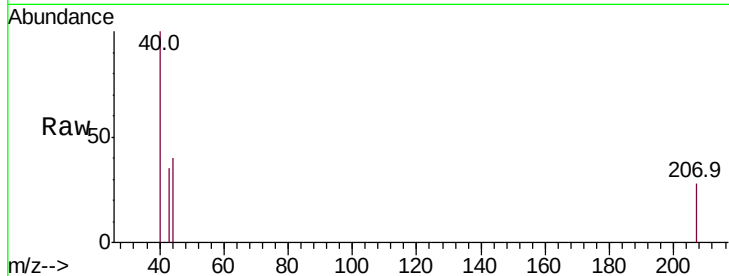
CHRT-27339

Tot Ion: 43 Resp: 529

Ion Ratio Lower Upper

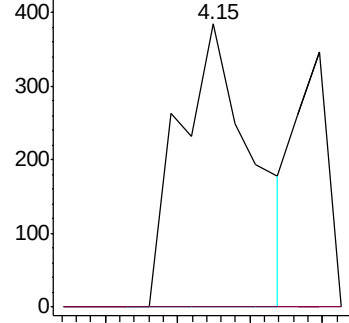
43 100

58 0.0 26.1 39.1#

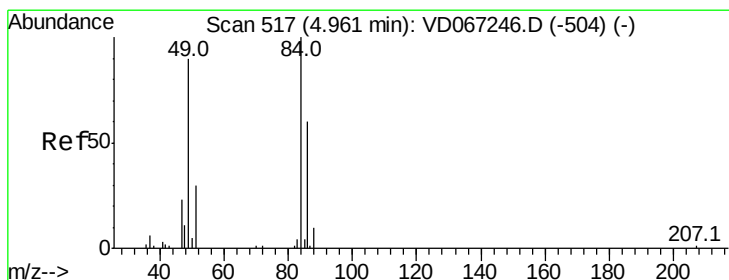
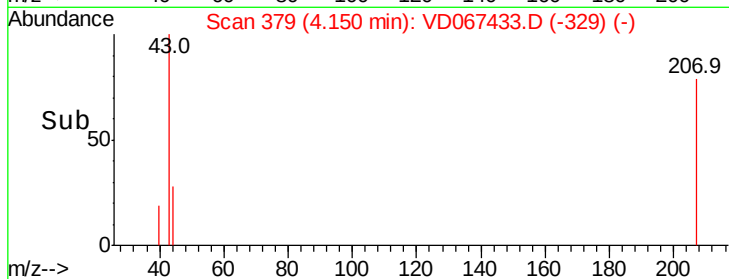


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.94 min Scan# 514

Delta R.T. -0.02 min

Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

Tgt Ion: 84 Resp: 955

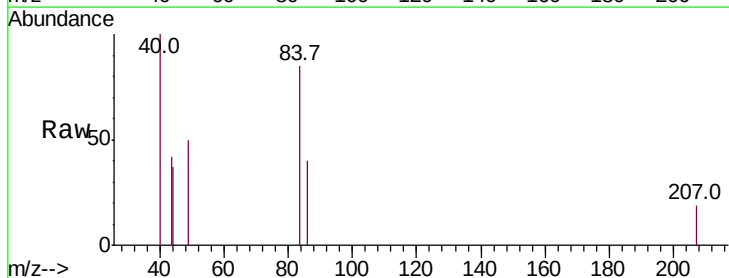
Ion Ratio Lower Upper

84 100

49 59.1 72.2 108.2#

51 0.0 23.8 35.8#

86 46.9 48.2 72.4#

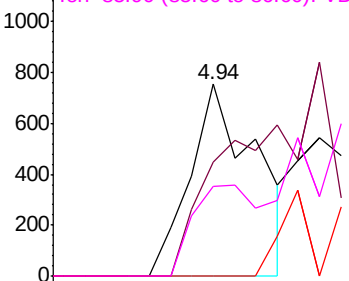


Abundance Ion 83.90 (83.60 to 84.60): VDC

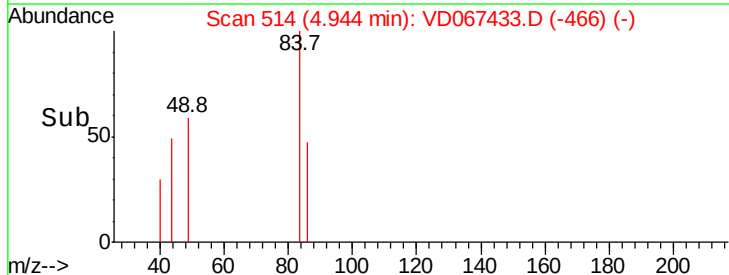
Ion 48.90 (48.60 to 49.60): VDC

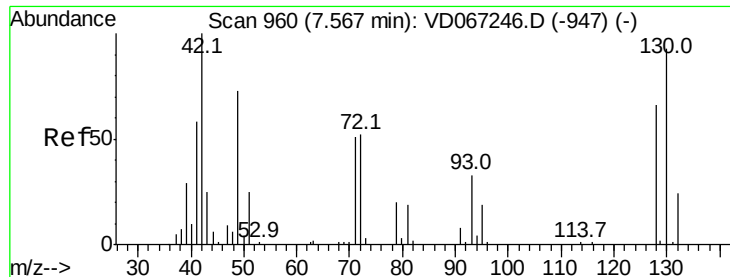
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->





#29

Tetrahydrofuran

Concen: 1.732 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27339

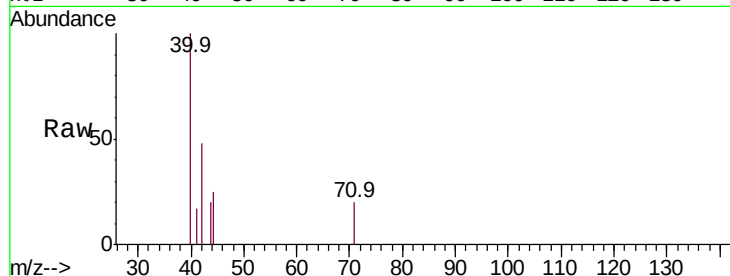
Tot Ion: 42 Resp: 476

Ion Ratio Lower Upper

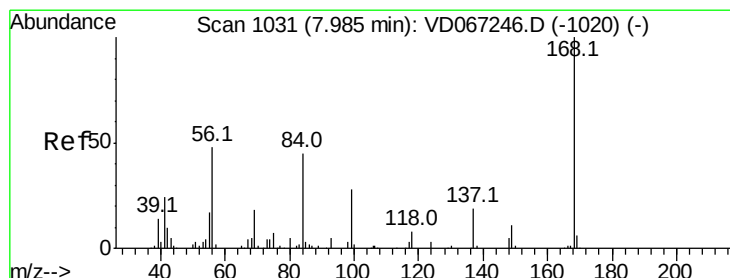
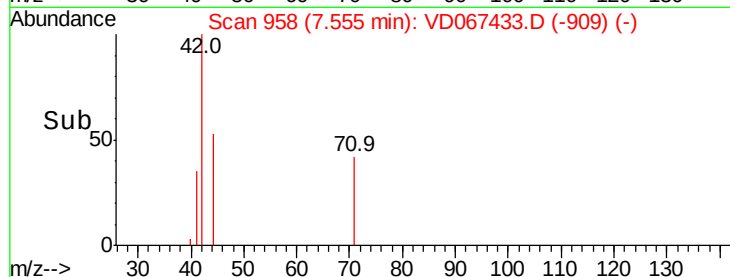
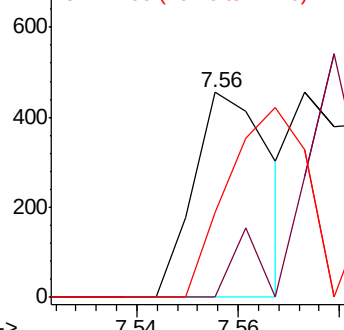
42 100

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



#31

Cyclohexane

Concen: 1.727 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

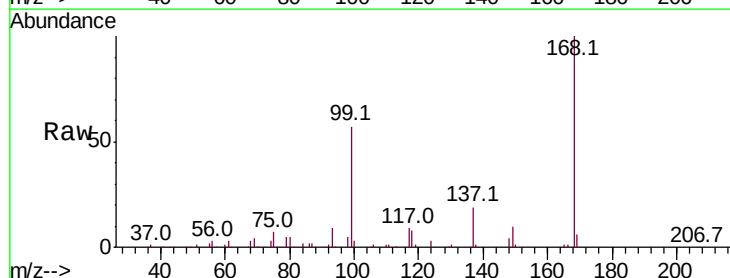
Tgt Ion: 56 Resp: 6161

Ion Ratio Lower Upper

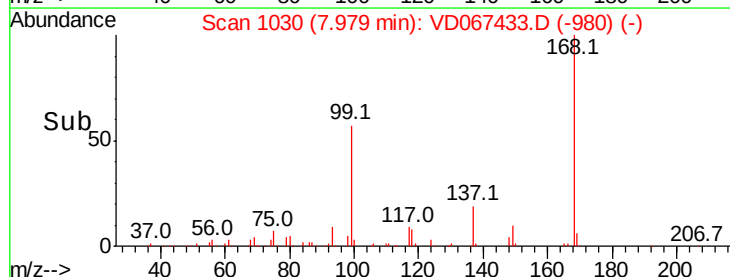
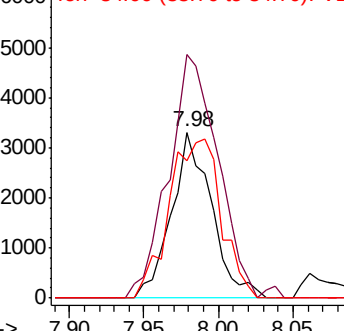
56 100

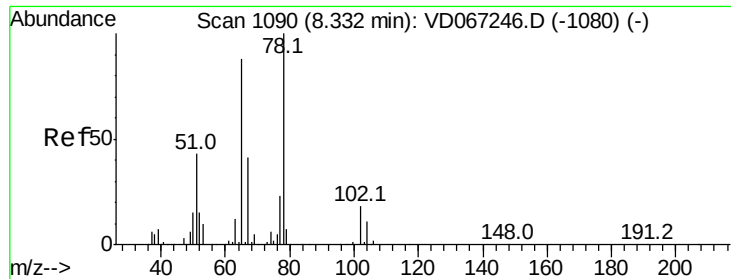
69 146.7 29.8 44.6#

84 82.9 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: 53.409 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

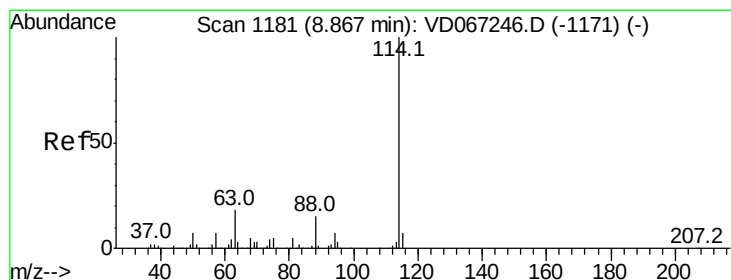
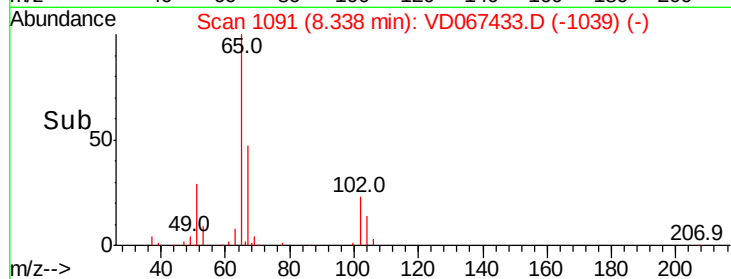
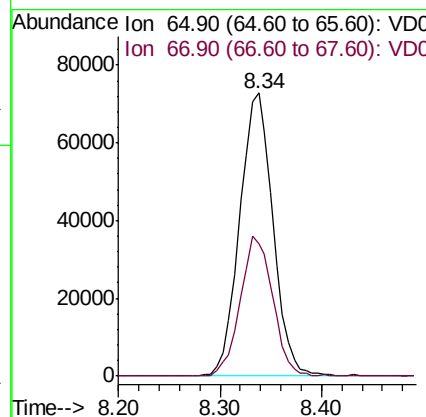
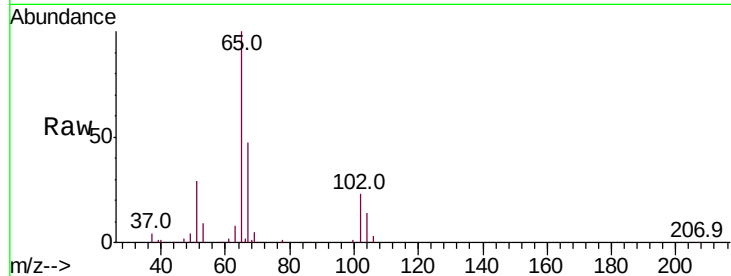
Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27339

Tot Ion: 65 Resp: 165400

Ion	Ratio	Lower	Upper
65	100		
67	48.2	0.0	103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

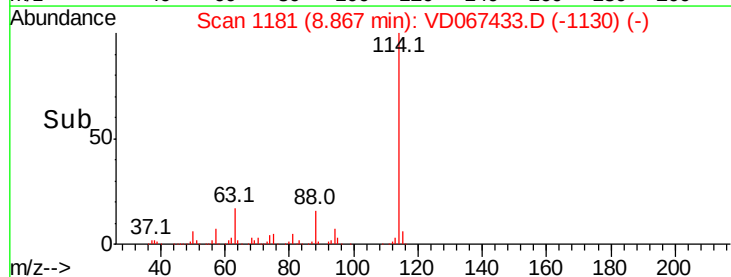
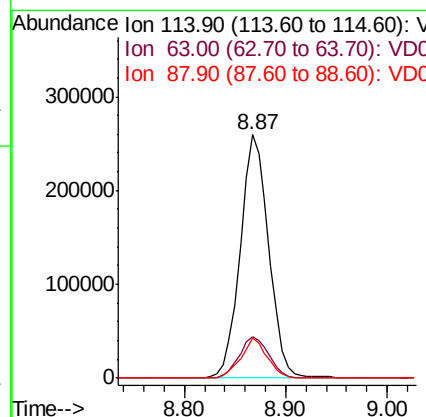
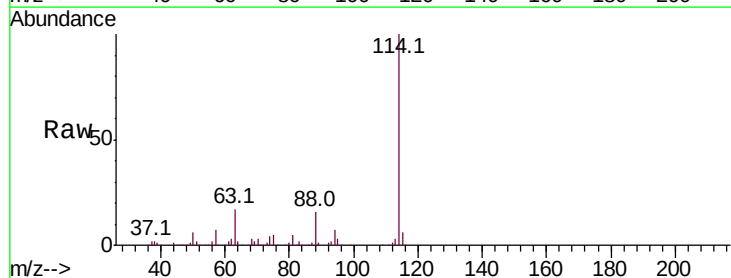
Delta R.T. 0.00 min

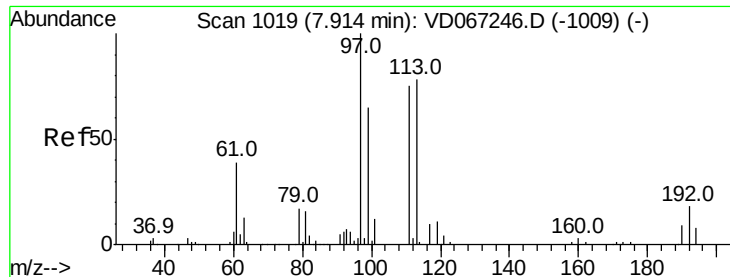
Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

Tgt Ion: 114 Resp: 503743

Ion	Ratio	Lower	Upper
114	100		
63	17.0	0.0	35.0
88	16.4	0.0	30.6

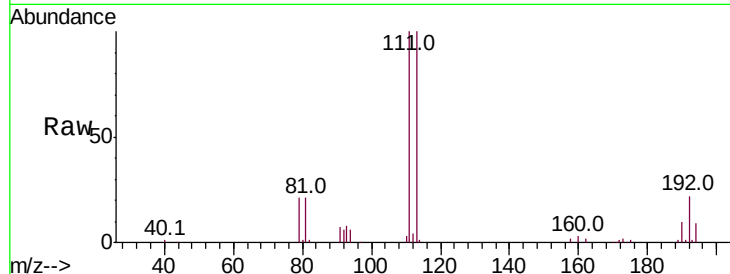




#35
 Dibromofluoromethane
 Concen: 49.324 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067433.D
 Acq: 28 Oct 2020 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27339

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	21.0	17.0	25.4

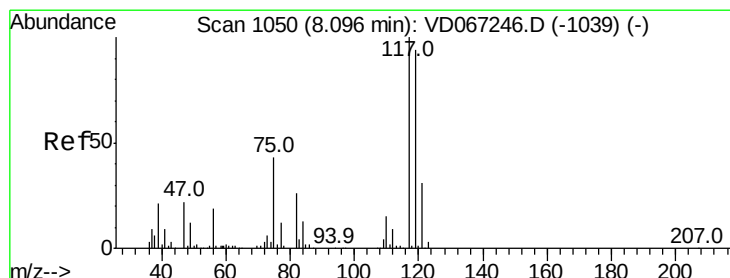
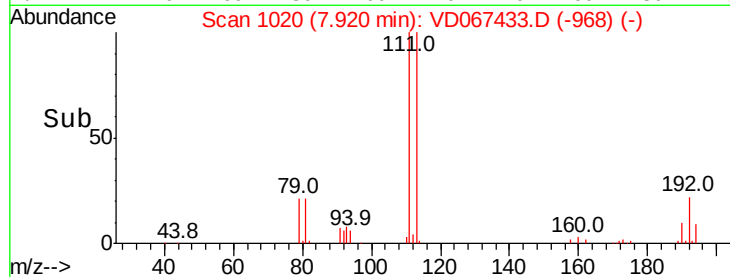
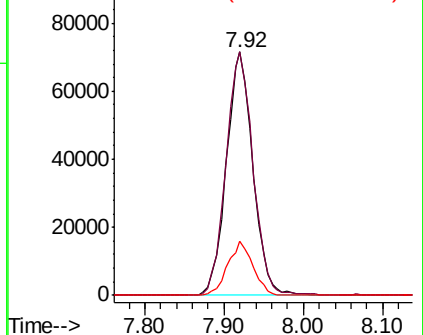


Abundance

Ion 112.80 (112.50 to 113.50): V

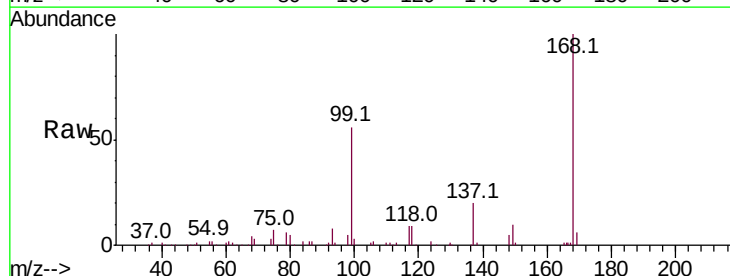
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#38
 Carbon Tetrachloride
 Concen: 5.568 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD067433.D
 Acq: 28 Oct 2020 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	75.0	112.4#
121	0.0	24.9	37.3#

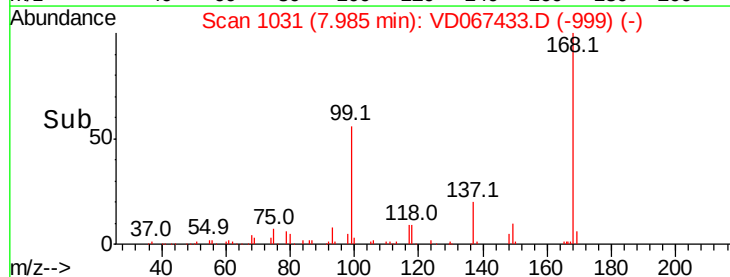
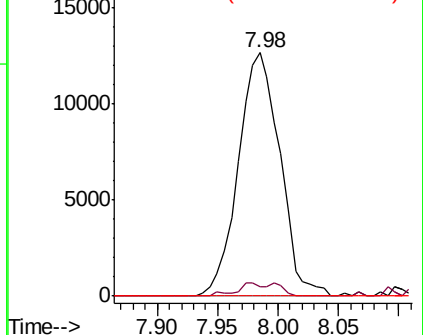


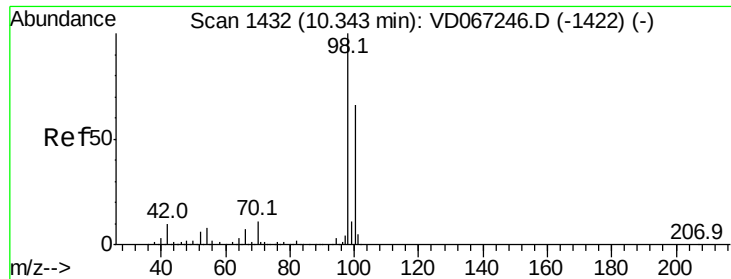
Abundance

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





#50

Toluene-d8

Concen: 47.183 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

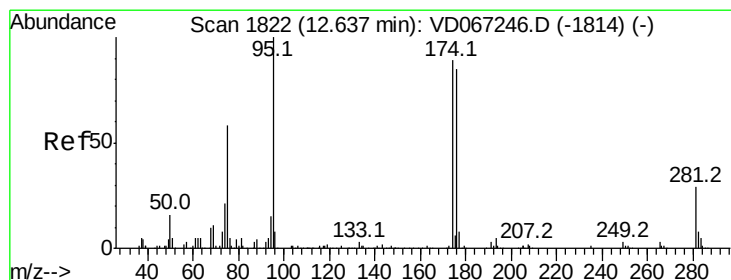
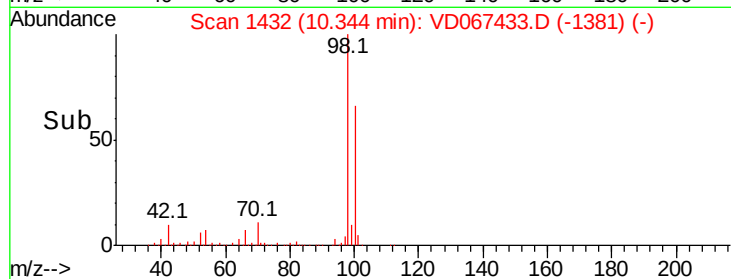
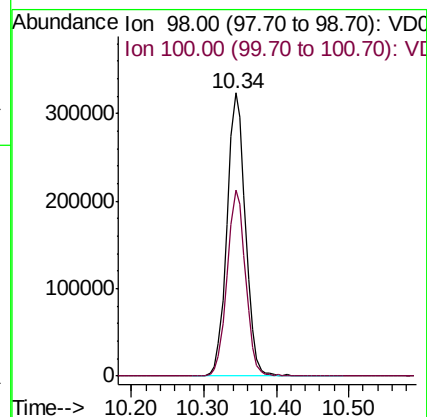
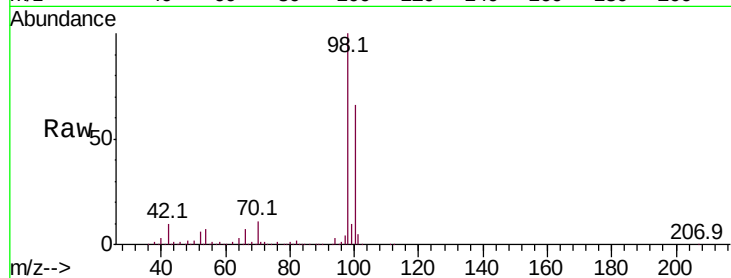
CHRT-27339

Tot Ion: 98 Resp: 572429

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 42.473 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

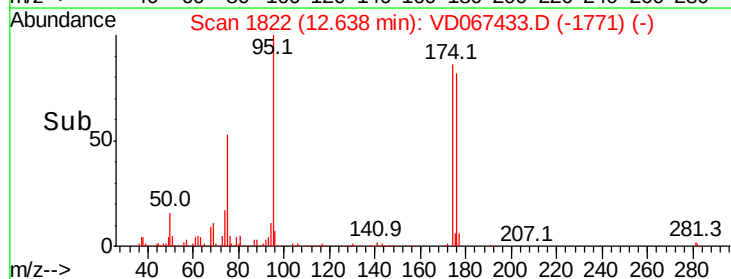
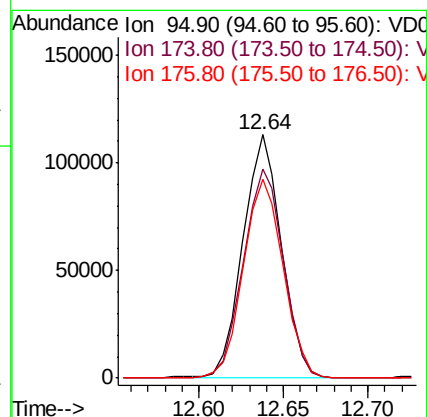
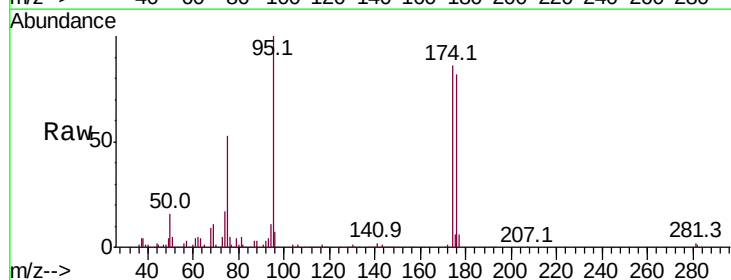
Tgt Ion: 95 Resp: 179176

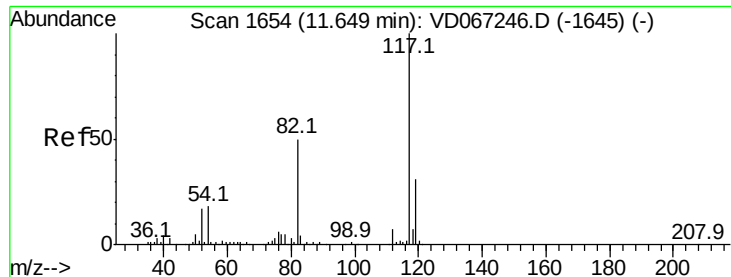
Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.2

176 84.8 0.0 168.6

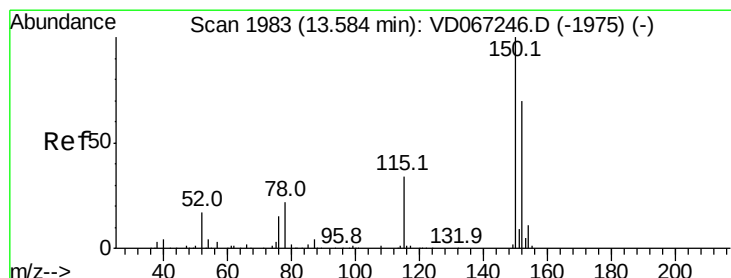
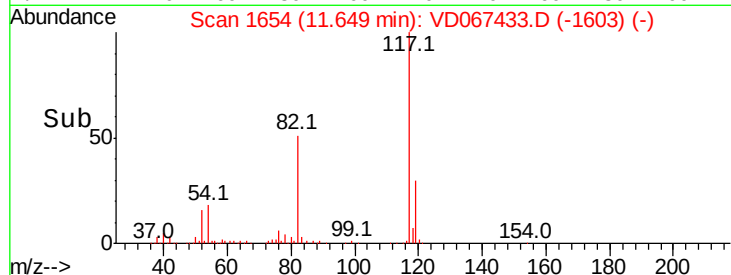
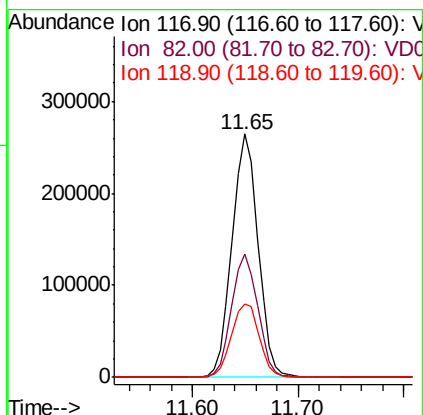
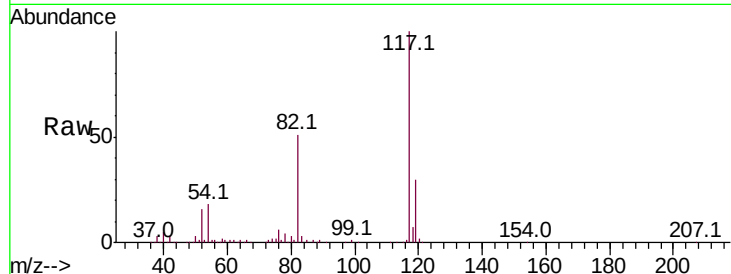




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067433.D
Acq: 28 Oct 2020 14:53

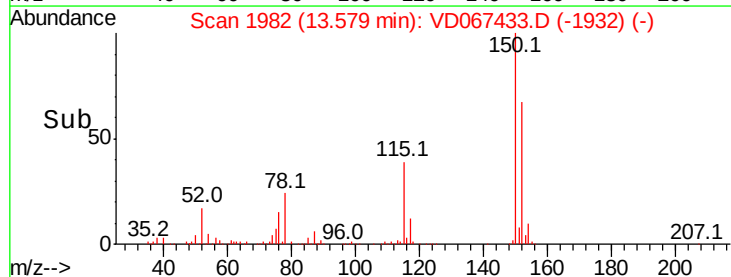
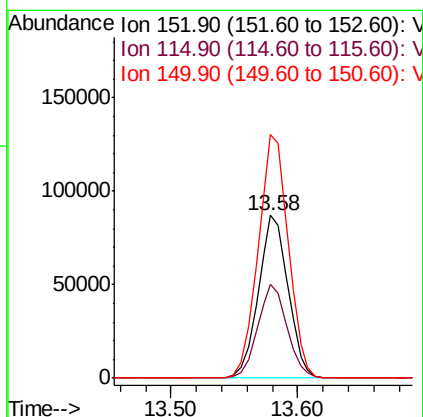
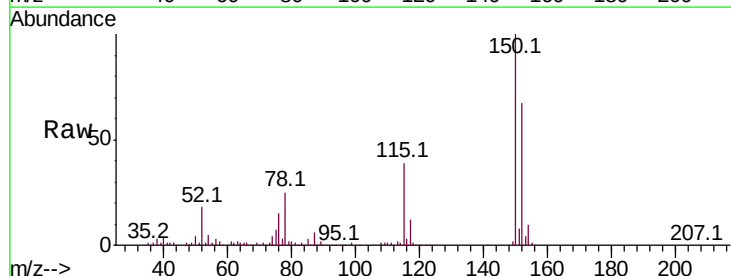
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27339

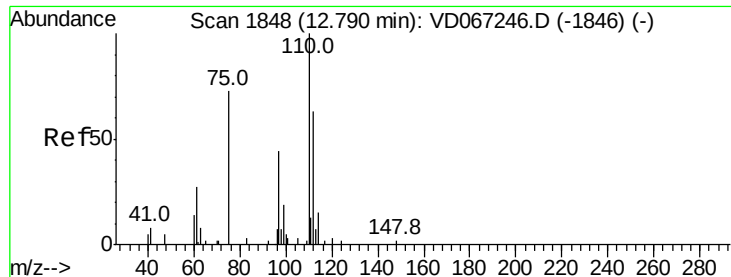
Tot Ion:117 Resp: 450627
Ion Ratio Lower Upper
117 100
82 50.7 39.9 59.9
119 29.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067433.D
Acq: 28 Oct 2020 14:53

Tgt Ion:152 Resp: 142464
Ion Ratio Lower Upper
152 100
115 57.4 29.3 87.9
150 151.3 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 91.702 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

Instrument :

MSVOA_D

ClientSampleId :

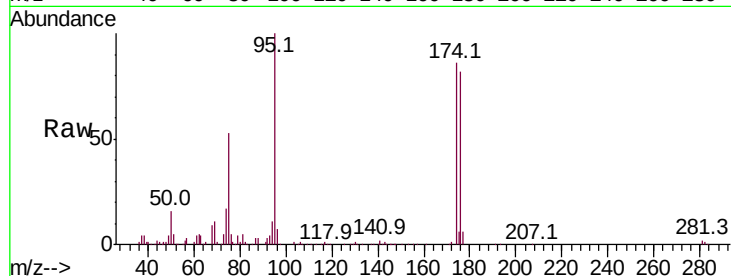
CHRT-27339

Tot Ion: 75 Resp: 90548

Ion Ratio Lower Upper

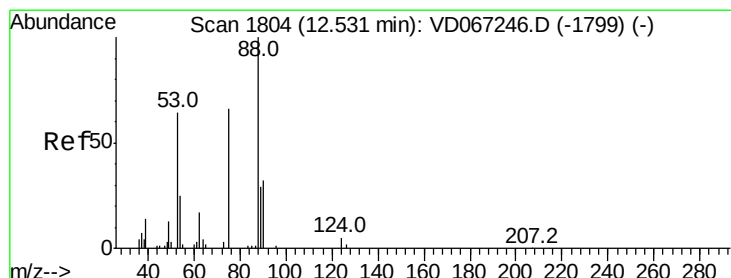
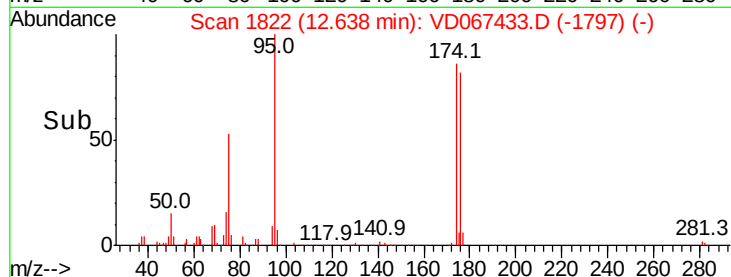
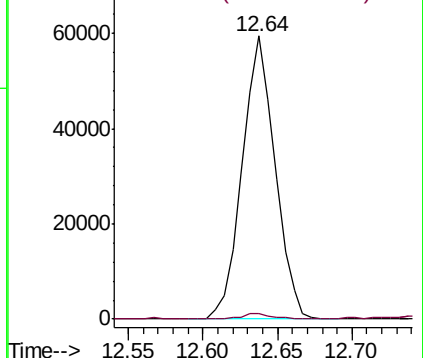
75 100

77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 207.954 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067433.D

Acq: 28 Oct 2020 14:53

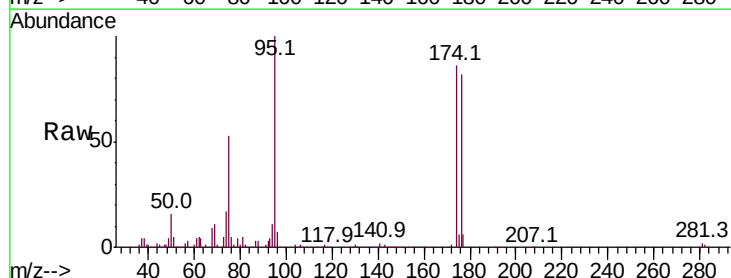
Tgt Ion: 75 Resp: 90548

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

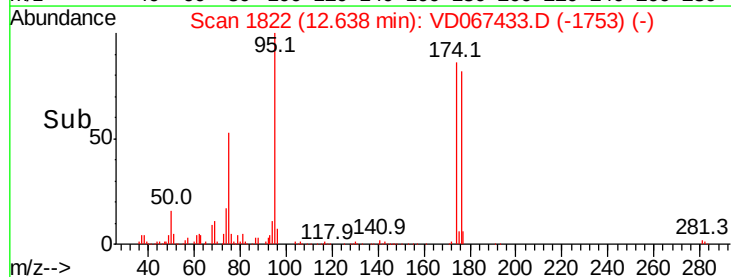
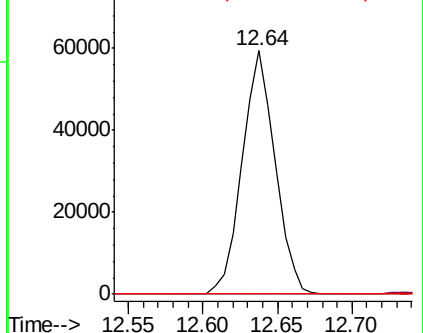
89 0.0 39.9 59.9#

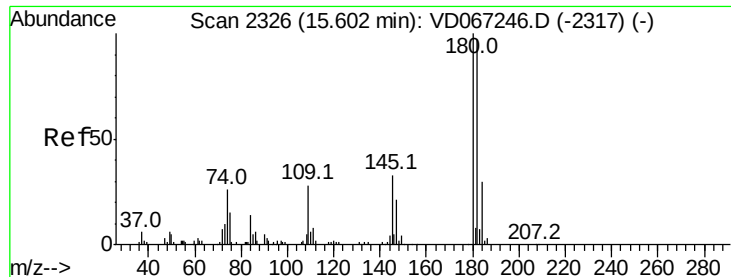


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

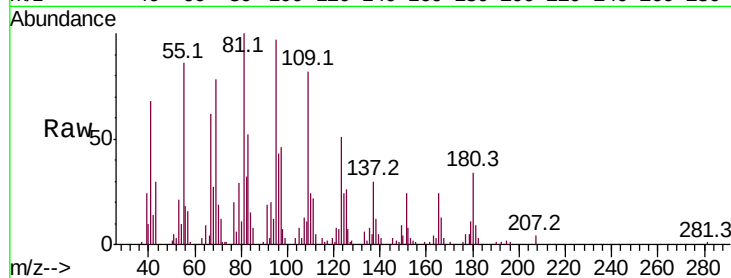




#96
 1,2,3-Trichlorobenzene
 Concen: 3.706 ug/l
 RT: 15.63 min Scan# 2330
 Delta R.T. 0.02 min
 Lab File: VD067433.D
 Acq: 28 Oct 2020 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27339

Tot Ion:180 Resp: 8181
 Ion Ratio Lower Upper
 180 100
 182 0.0 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

