

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067268.D
 Acq On : 14 Oct 2020 13:55
 Operator : VA/SY
 Sample : L4226-13
 Misc : 4.98G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-101320

Quant Time: Oct 15 06:13:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	338008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	575288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	549282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272889	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	184908	54.60	ug/l	0.00
Spiked Amount			Recovery	=	109.20%	
35) Dibromofluoromethane	7.92	113	186954	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	10.34	98	666094	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.64	95	241485	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	

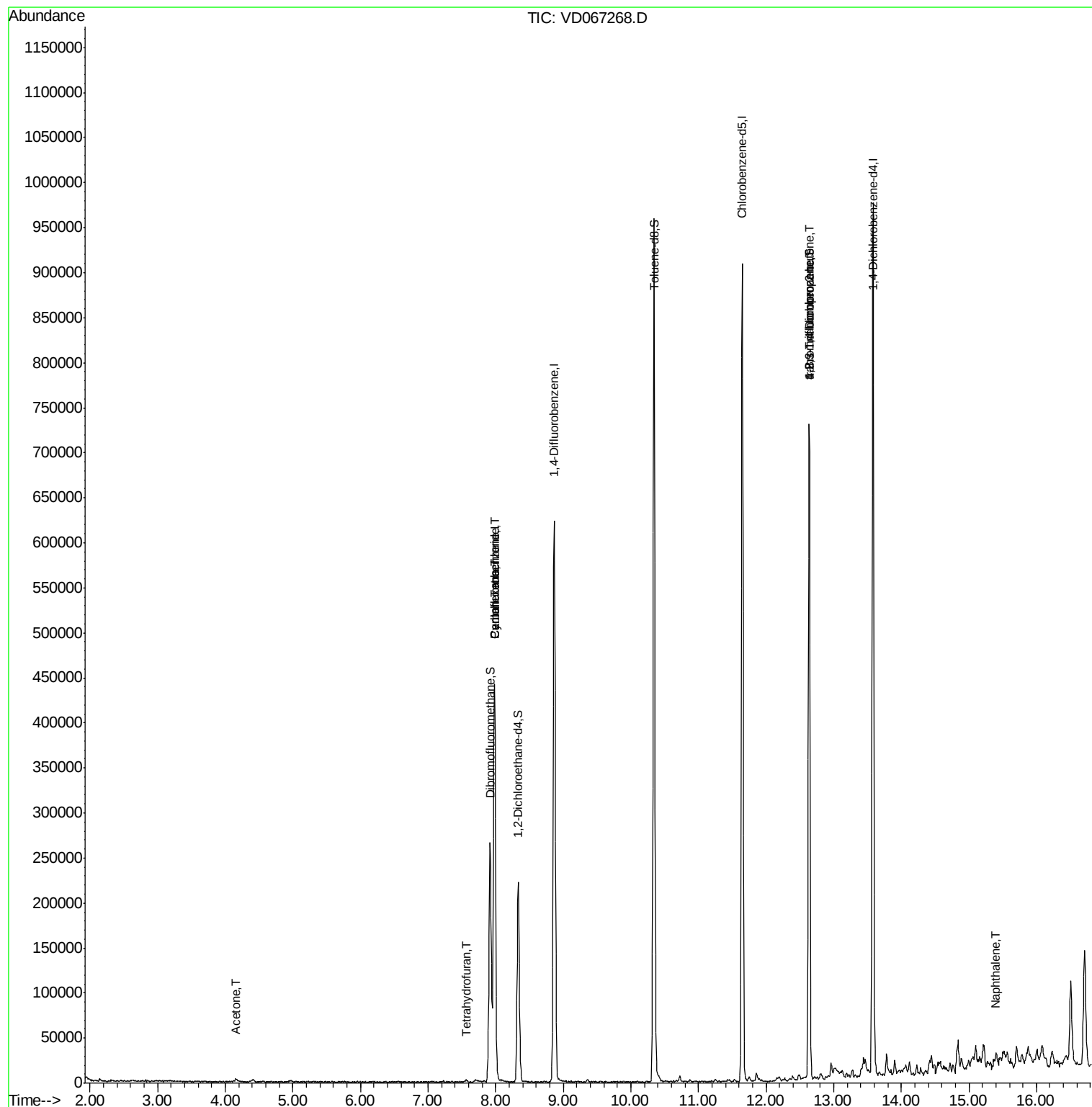
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	472	Below Cal		85
5) Bromomethane	2.77	94	566	Below Cal	#	69
11) Tert butyl alcohol	5.23	59	66	Below Cal	#	81
16) Acetone	4.16	43	6380	13.453	ug/l #	72
20) Methylene Chloride	4.96	84	887	Below Cal	#	81
29) Tetrahydrofuran	7.58	42	1241	4.130	ug/l #	92
31) Cyclohexane	7.98	56	6806	1.745	ug/l #	1
38) Carbon Tetrachloride	7.98	117	34697	5.568	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	123022	65.044	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	123022	147.499	ug/l #	10
95) Naphthalene	15.41	128	11476	1.428	ug/l #	92

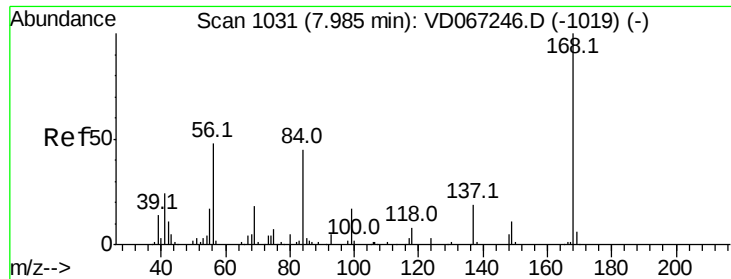
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101420\
Data File : VD067268.D
Acq On : 14 Oct 2020 13:55
Operator : VA/SY
Sample : L4226-13
Misc : 4.98G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-04-101320

Quant Time: Oct 15 06:13:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 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: VD067268.D

Acq: 14 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

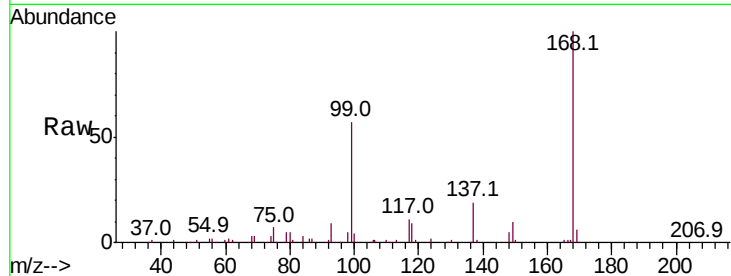
TR-04-101320

Tot Ion:168 Resp: 338008

Ion Ratio Lower Upper

168 100

99 56.9 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

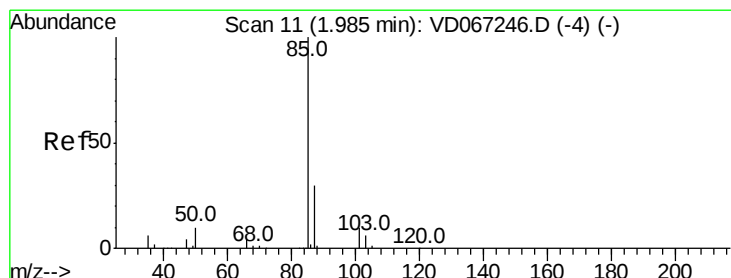
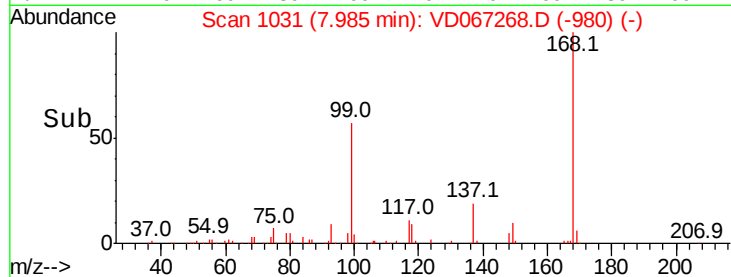
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067268.D

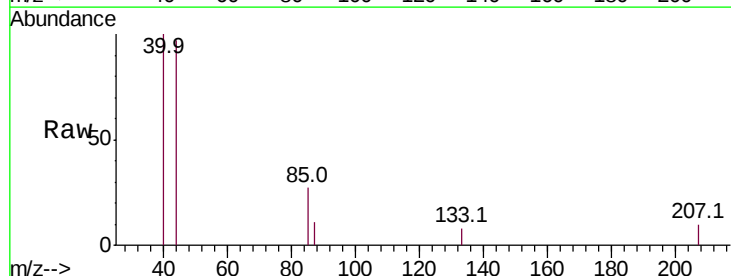
Acq: 14 Oct 2020 13:55

Tgt Ion: 85 Resp: 472

Ion Ratio Lower Upper

85 100

87 38.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

600

500

400

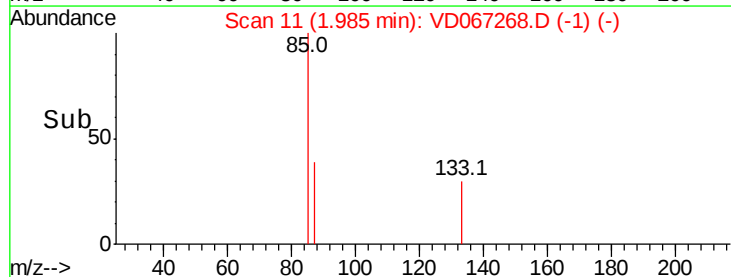
300

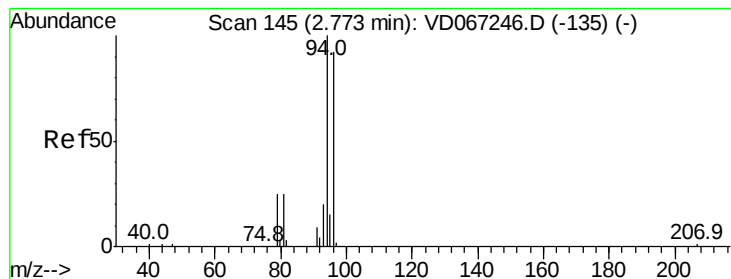
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

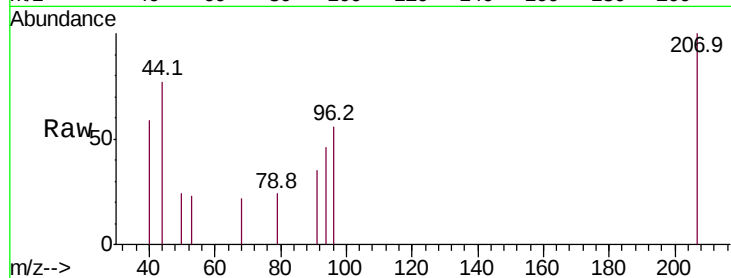
TR-04-101320

Tot Ion: 94 Resp: 566

Ion Ratio Lower Upper

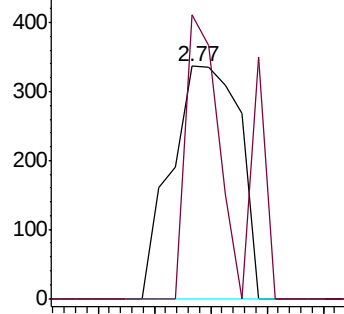
94 100

96 122.0 73.8 110.6#

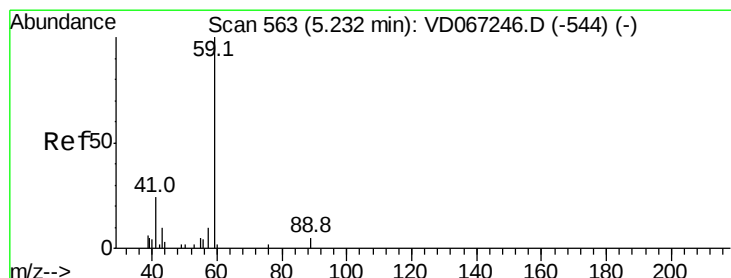
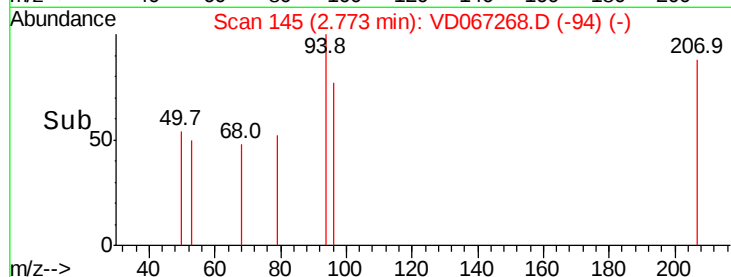


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD067268.D

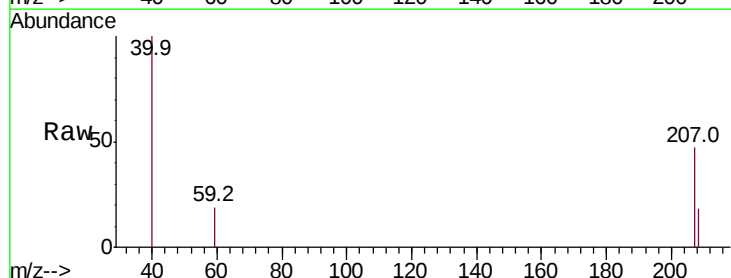
Acq: 14 Oct 2020 13:55

Tgt Ion: 59 Resp: 66

Ion Ratio Lower Upper

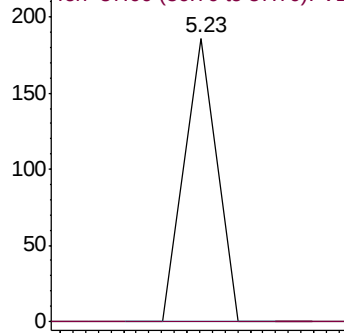
59 100

57 0.0 5.1 7.7#

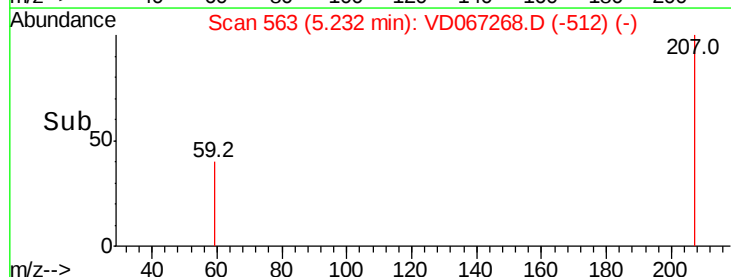


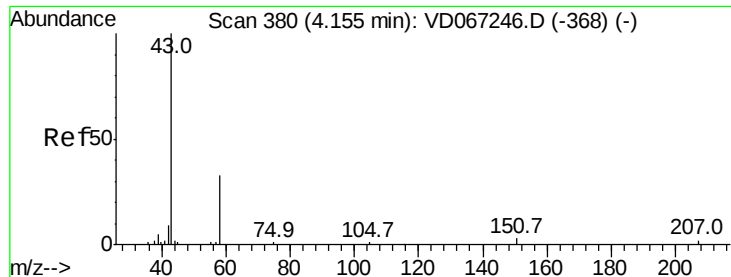
Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



Time-->





#16

Acetone

Concen: 13.453 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

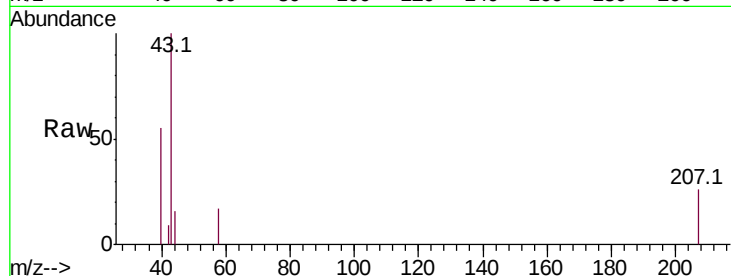
TR-04-101320

Tot Ion: 43 Resp: 6380

Ion Ratio Lower Upper

43 100

58 16.7 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

2500

2000

1500

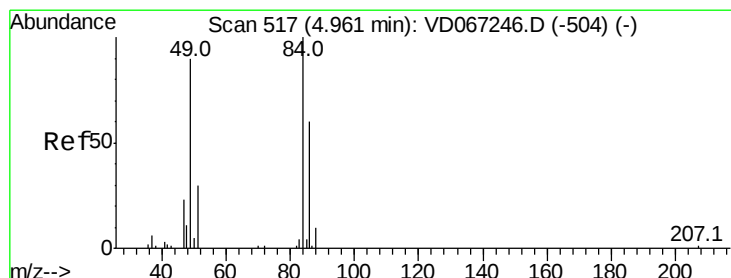
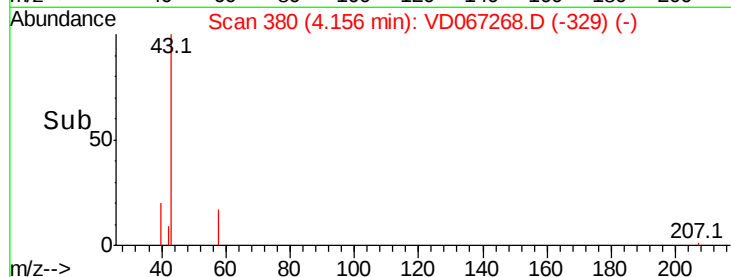
1000

500

0

4.05 4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

Tgt Ion: 84 Resp: 887

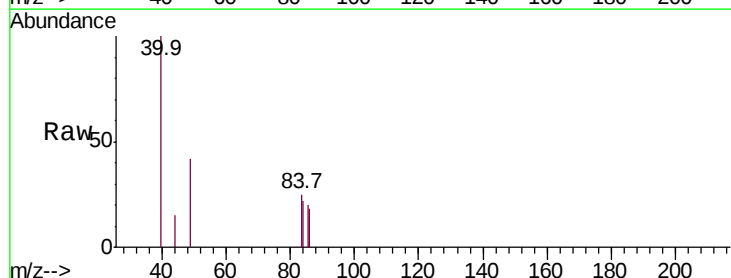
Ion Ratio Lower Upper

84 100

49 90.0 72.2 108.2

51 0.0 23.8 35.8#

86 81.4 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

1000

800

600

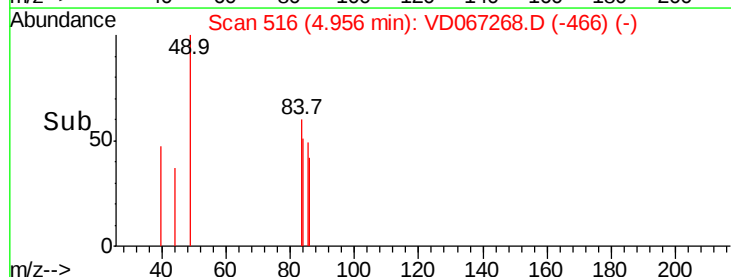
400

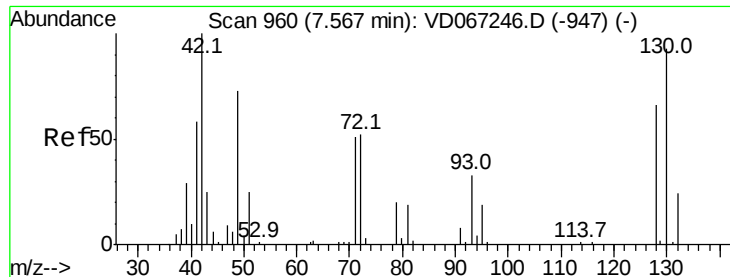
200

0

4.90 4.95 5.00

Time-->





#29

Tetrahydrofuran

Concen: 4.130 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

TR-04-101320

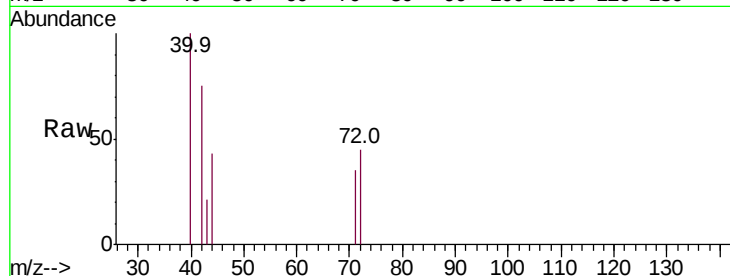
Tot Ion: 42 Resp: 1241

Ion Ratio Lower Upper

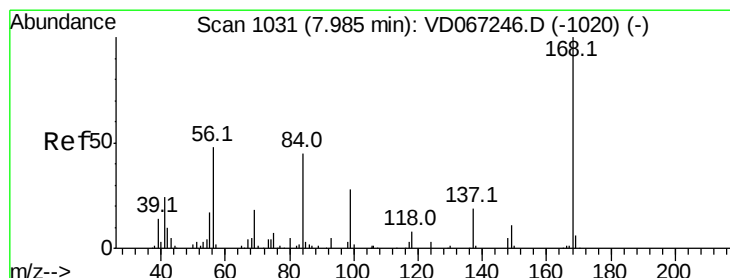
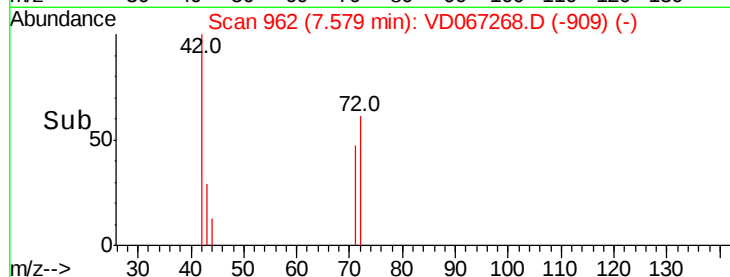
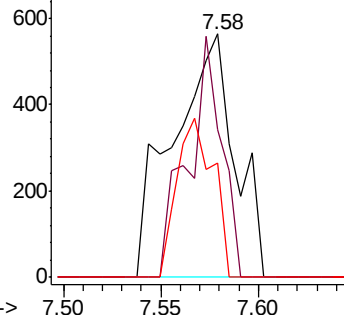
42 100

72 53.7 43.2 64.8

71 38.5 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: 1.745 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

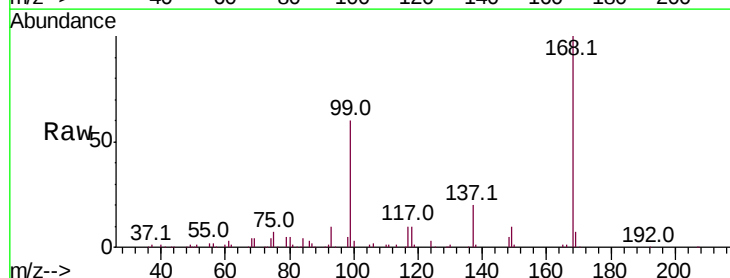
Tgt Ion: 56 Resp: 6806

Ion Ratio Lower Upper

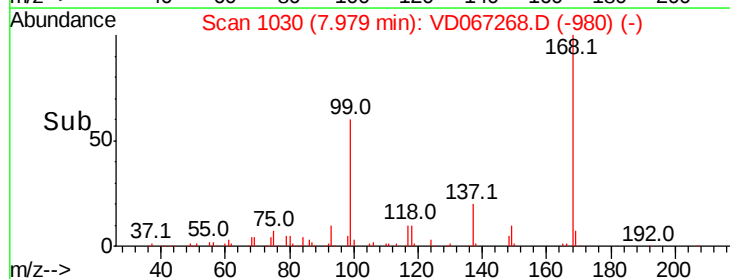
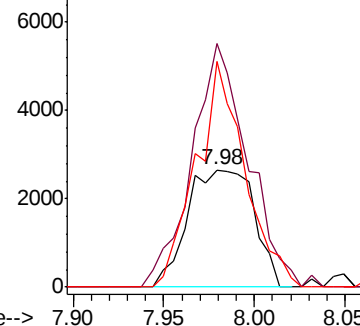
56 100

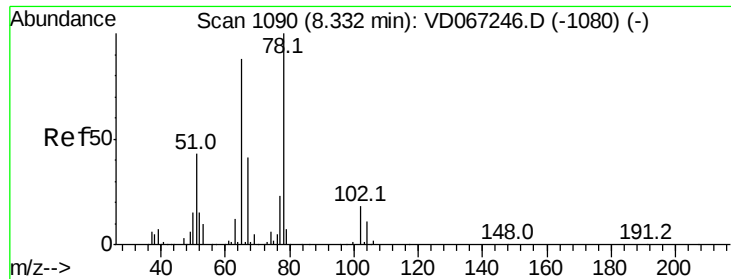
69 207.7 29.8 44.6#

84 192.7 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: 54.604 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

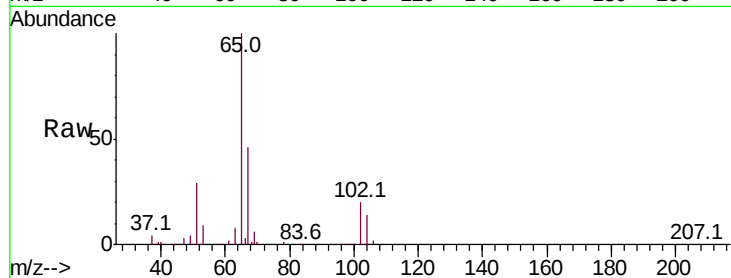
TR-04-101320

Tot Ion: 65 Resp: 184908

Ion Ratio Lower Upper

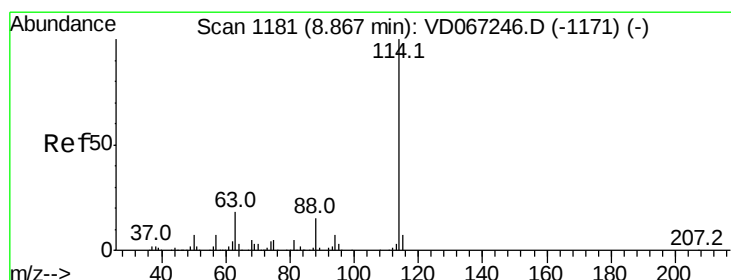
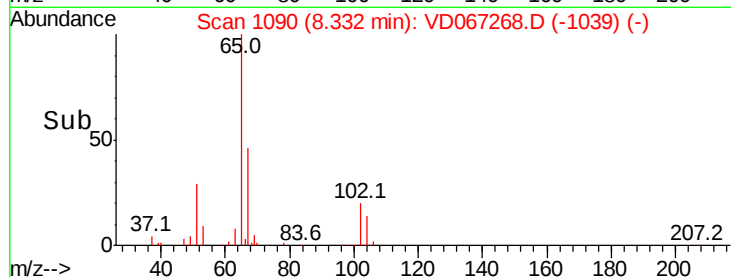
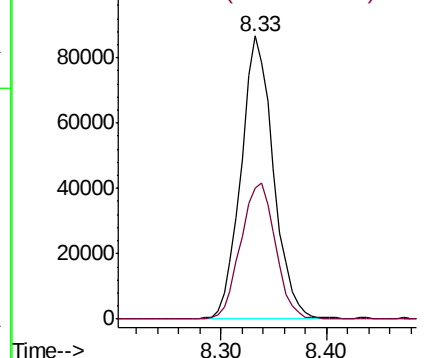
65 100

67 51.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

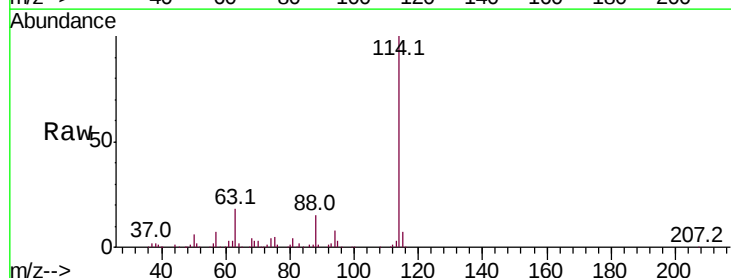
Tgt Ion: 114 Resp: 575288

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

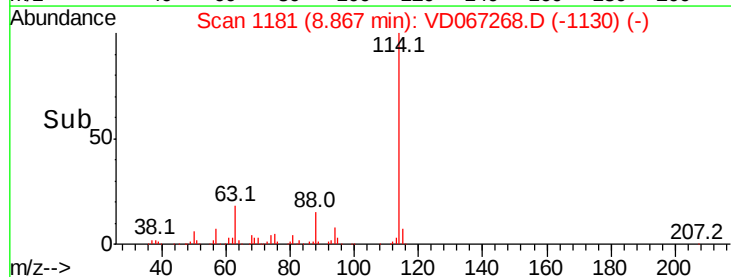
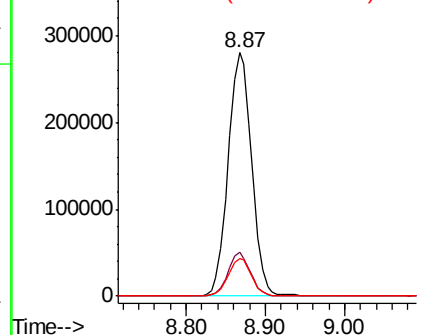
88 15.2 0.0 30.6

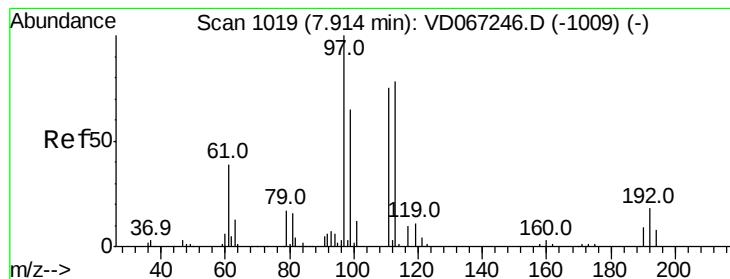


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.832 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

TR-04-101320

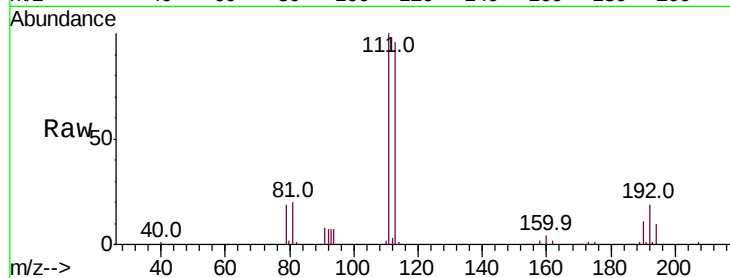
Tot Ion:113 Resp: 186954

Ion Ratio Lower Upper

113 100

111 103.9 81.6 122.4

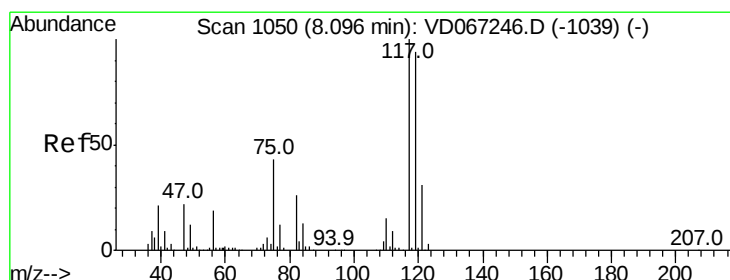
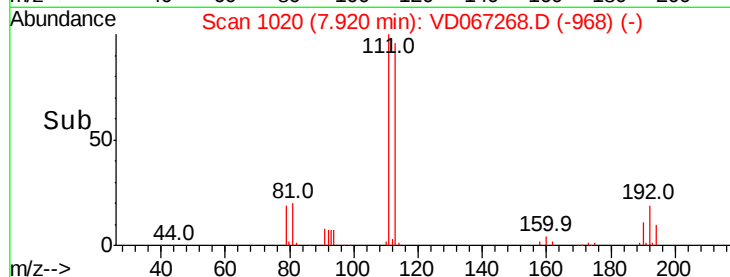
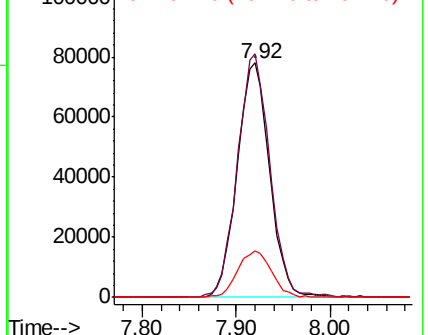
192 20.5 17.0 25.4



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: VD067268.D

Acq: 14 Oct 2020 13:55

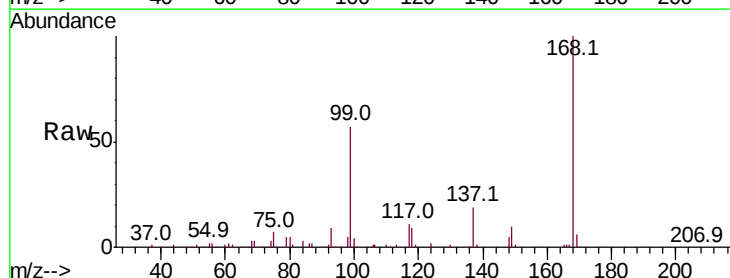
Tgt Ion:117 Resp: 34697

Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.4#

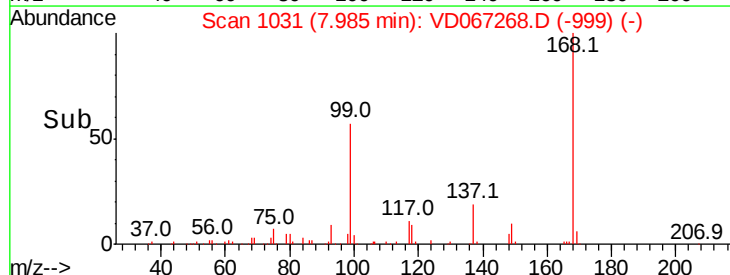
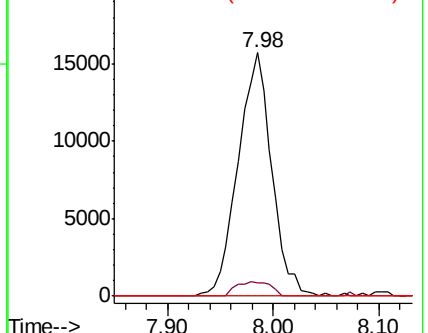
121 0.0 24.9 37.3#

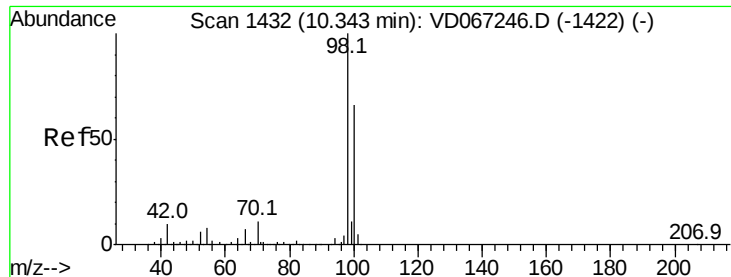


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.075 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

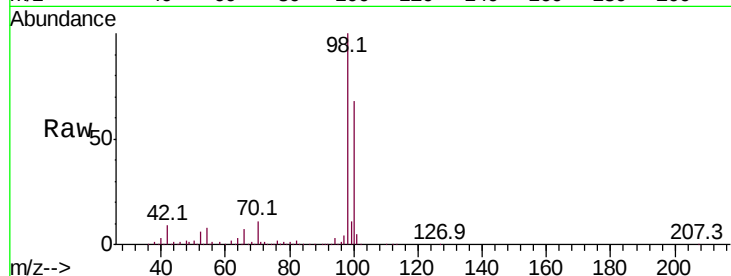
TR-04-101320

Tot Ion: 98 Resp: 666094

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

300000

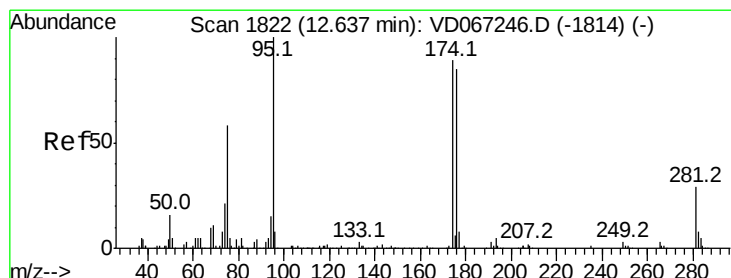
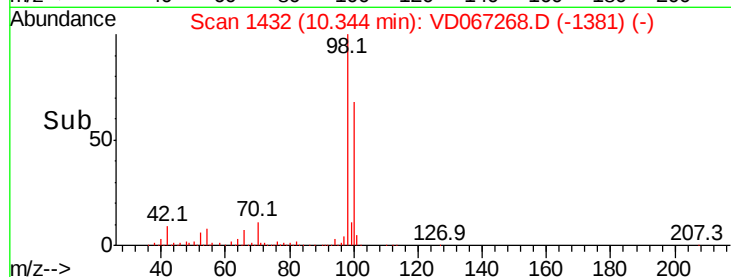
200000

100000

0

Time-->

10.30 10.40



#62

4-Bromofluorobenzene

Concen: 50.124 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

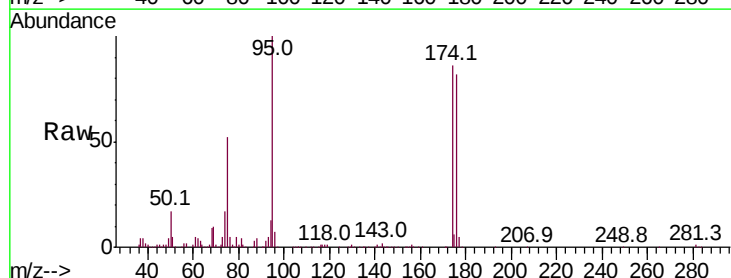
Tgt Ion: 95 Resp: 241485

Ion Ratio Lower Upper

95 100

174 86.7 0.0 175.2

176 82.0 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

200000

150000

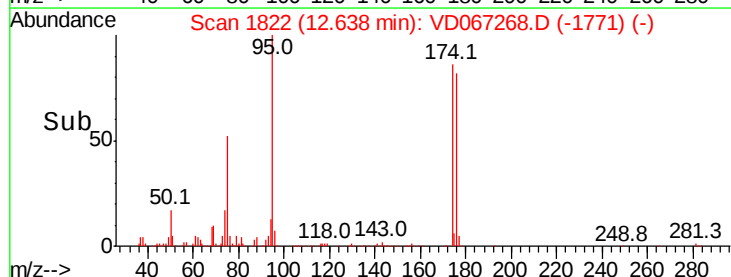
100000

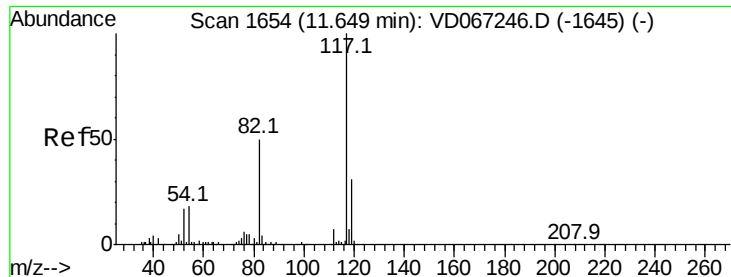
50000

0

Time-->

12.55 12.60 12.65 12.70

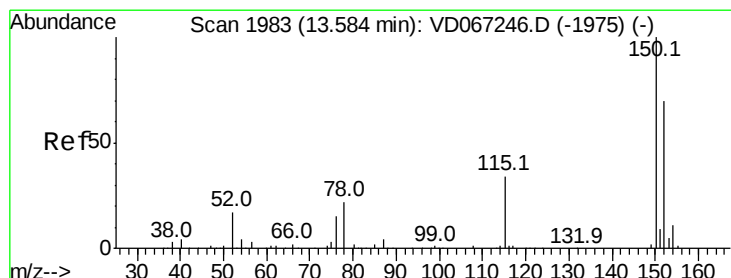
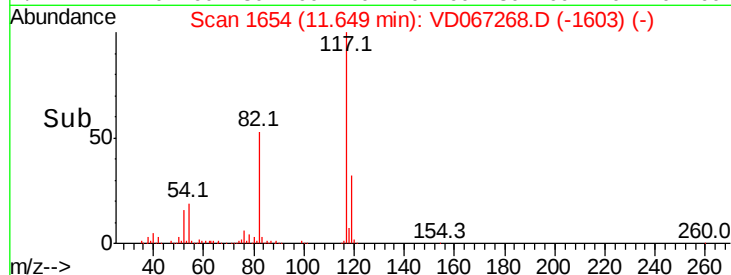
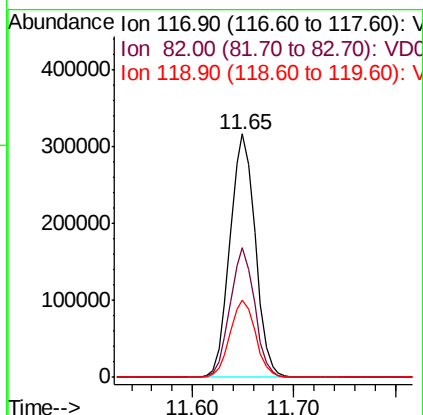
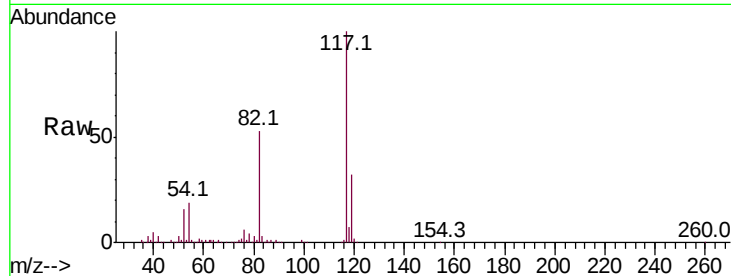




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067268.D
Acq: 14 Oct 2020 13:55

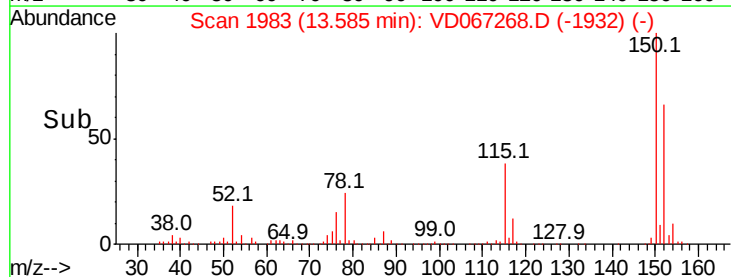
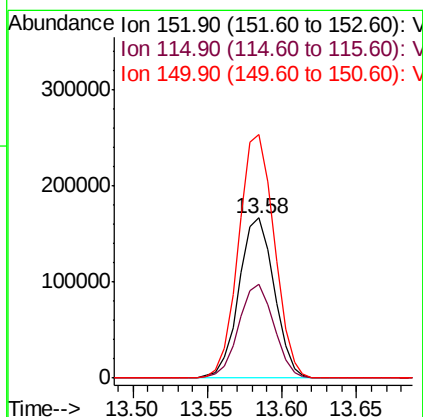
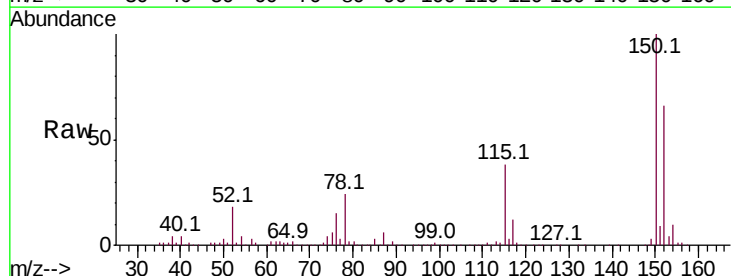
Instrument :
MSVOA_D
ClientSampleId :
TR-04-101320

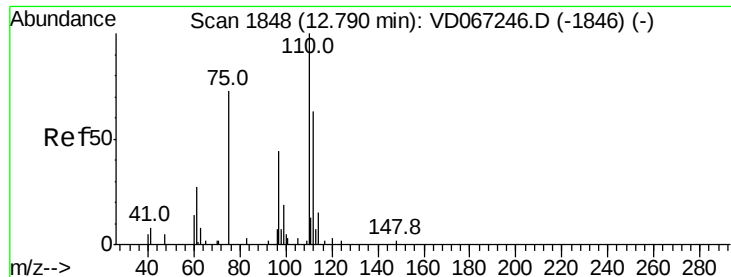
Tot Ion:117 Resp: 549282
Ion Ratio Lower Upper
117 100
82 53.2 39.9 59.9
119 31.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067268.D
Acq: 14 Oct 2020 13:55

Tgt Ion:152 Resp: 272889
Ion Ratio Lower Upper
152 100
115 58.5 29.3 87.9
150 154.6 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 65.044 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

Instrument :

MSVOA_D

ClientSampleId :

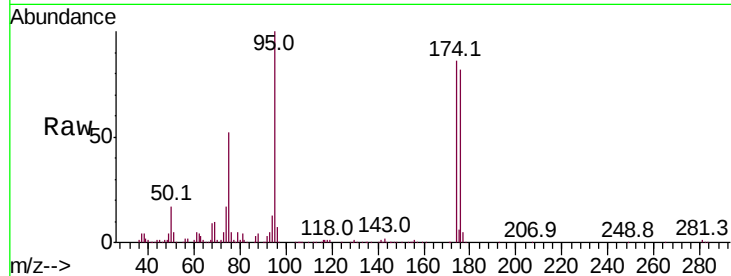
TR-04-101320

Tot Ion: 75 Resp: 123022

Ion Ratio Lower Upper

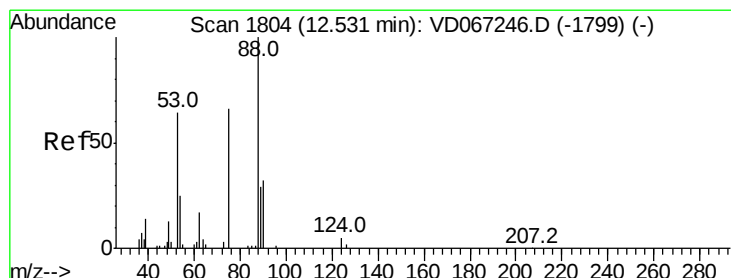
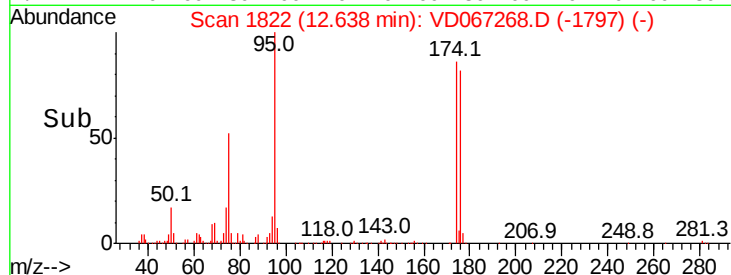
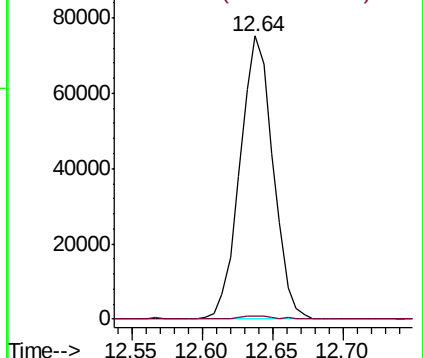
75 100

77 1.3 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: 147.499 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067268.D

Acq: 14 Oct 2020 13:55

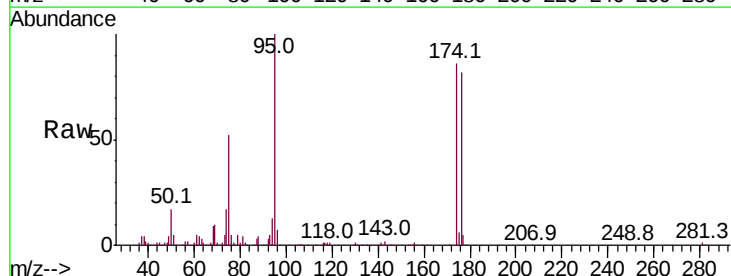
Tgt Ion: 75 Resp: 123022

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

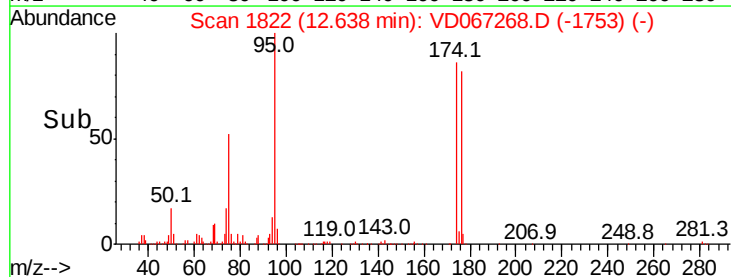
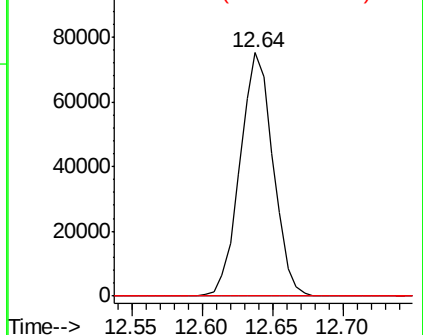
89 0.0 39.9 59.9#

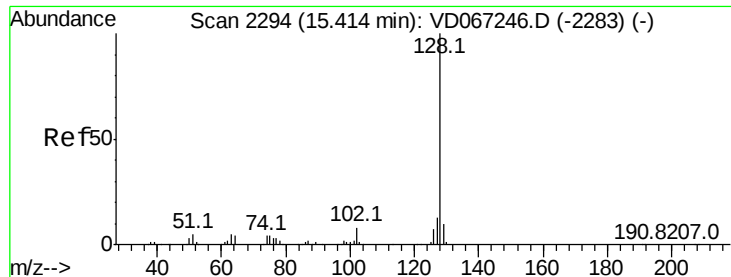


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95
Naphthalene
Concen: 1.428 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067268.D
Acq: 14 Oct 2020 13:55

Instrument :
MSVOA_D
ClientSampleId :
TR-04-101320

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.4	15.6
129	14.7	8.6	12.8

