

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067552.D
 Acq On : 06 Nov 2020 15:06
 Operator : VA/SY
 Sample : L4656-10
 Misc : 6.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-L14-L13-SOUTH

Quant Time: Nov 06 23:29:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	306462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	470698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	471497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231760	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	146537	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
35) Dibromofluoromethane	7.92	113	152499	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
50) Toluene-d8	10.34	98	554373	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	
62) 4-Bromofluorobenzene	12.64	95	205143	59.62	ug/l	0.00
Spiked Amount			Recovery	=	119.24%	

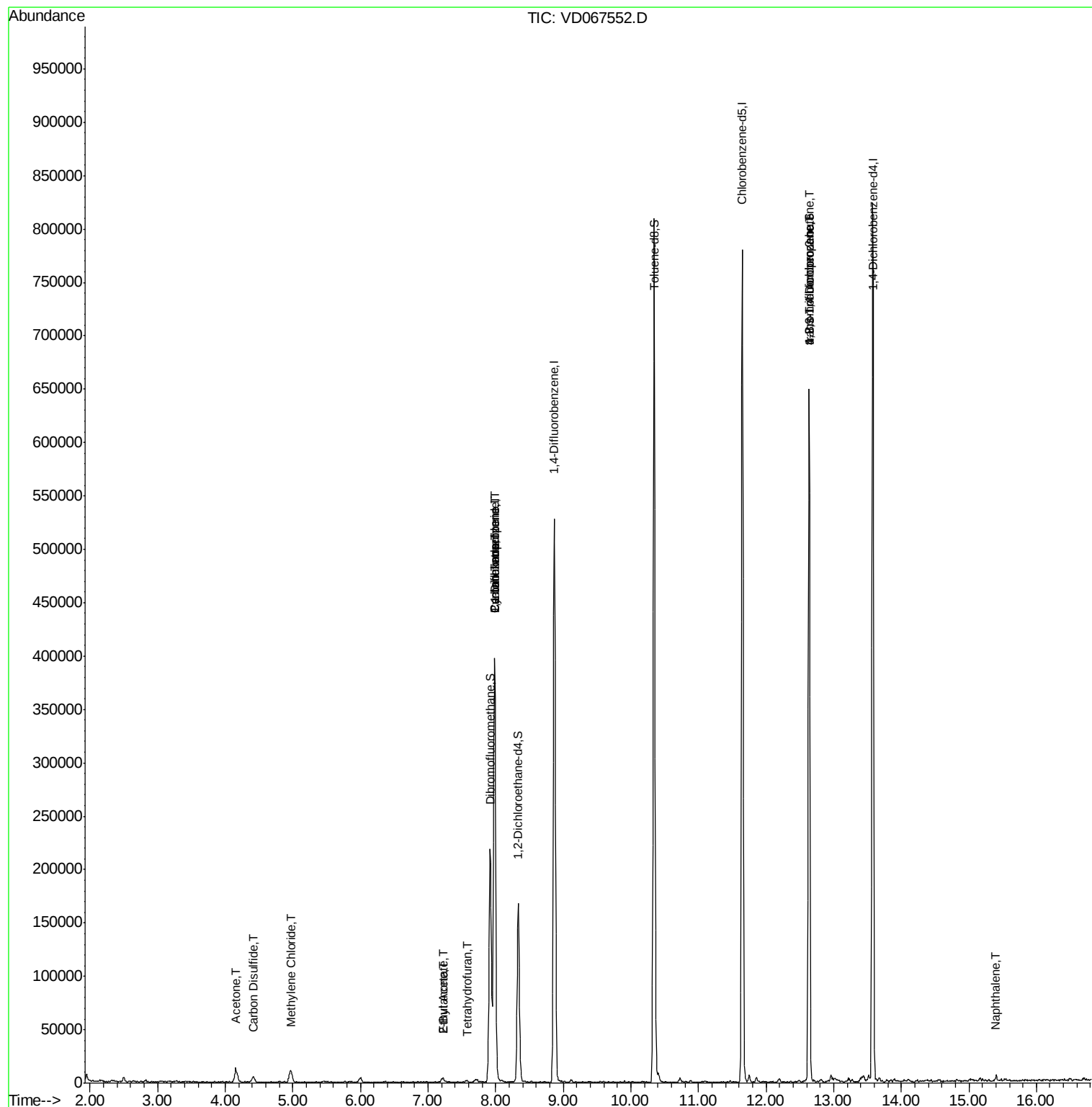
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	560	Below Cal	#	44
16) Acetone	4.16	43	23200	57.856	ug/l #	85
17) Carbon Disulfide	4.42	76	10306	1.315	ug/l #	89
20) Methylene Chloride	4.98	84	10223	3.609	ug/l #	77
25) 2-Butanone	7.23	43	5474	12.775	ug/l	98
29) Tetrahydrofuran	7.58	42	983	3.830	ug/l #	23
31) Cyclohexane	7.98	56	6040	1.554	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	20538	5.097	ug/l #	48
37) Ethyl Acetate	7.23	43	5474	5.233	ug/l #	67
38) Carbon Tetrachloride	7.99	117	32194	6.150	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	103302	73.887	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	103302	150.010	ug/l #	10
95) Naphthalene	15.40	128	6442	1.012	ug/l	97

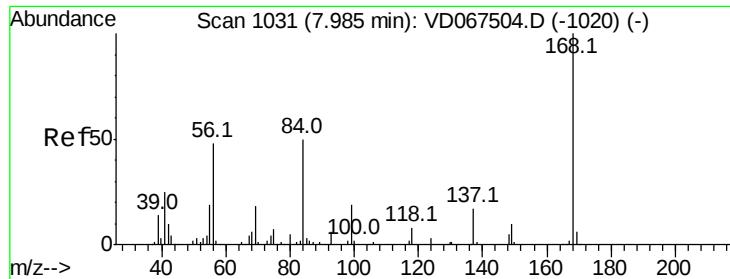
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

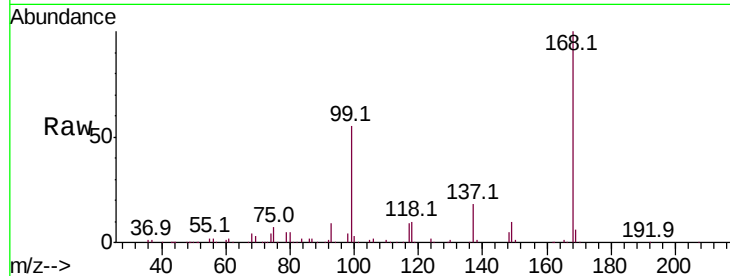
SR-L14-L13-SOUTH

Tot Ion:168 Resp: 306462

Ion Ratio Lower Upper

168 100

99 54.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

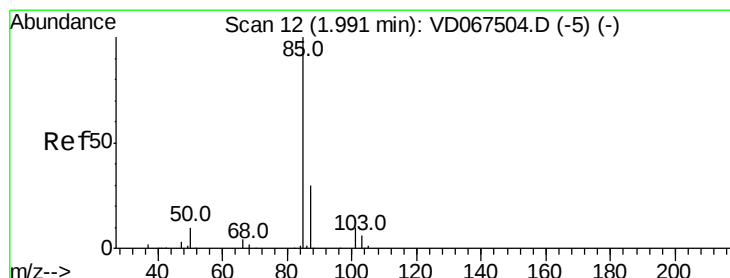
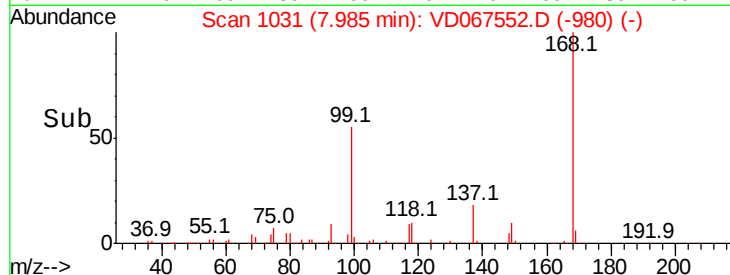
100000

50000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067552.D

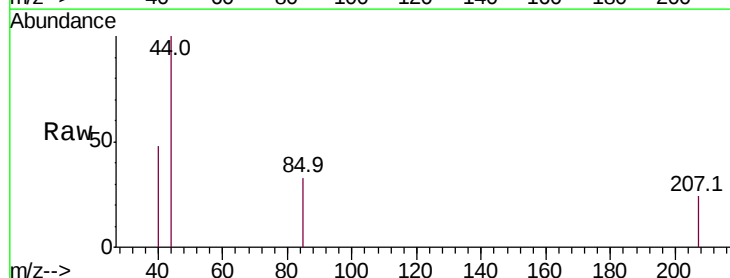
Acq: 06 Nov 2020 15:06

Tgt Ion: 85 Resp: 560

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

500

400

300

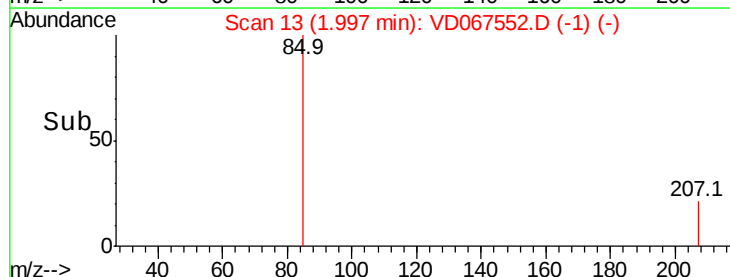
200

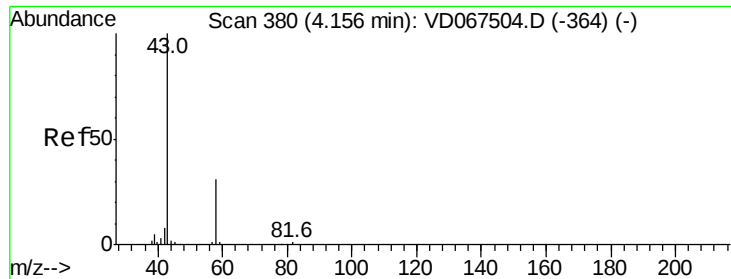
100

0

Time-->

1.96 1.98 2.00 2.02





#16

Acetone

Concen: 57.856 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

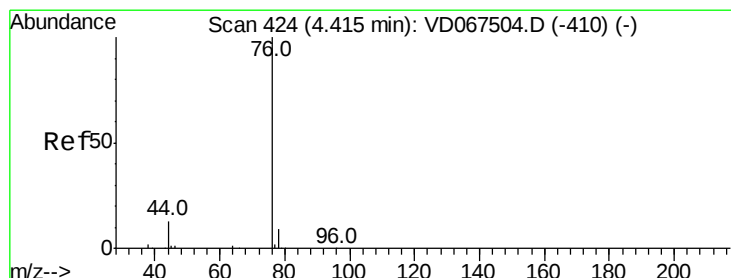
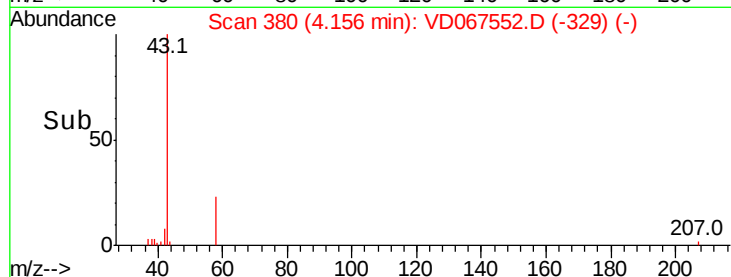
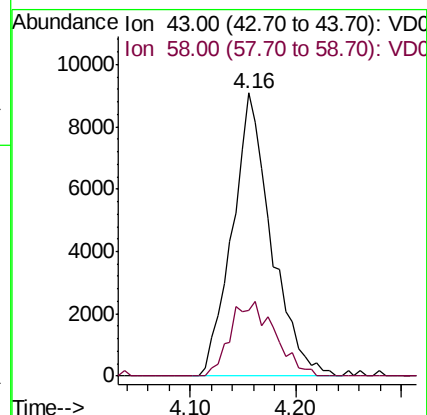
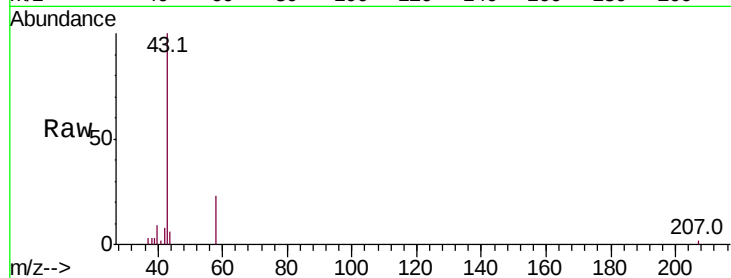
SR-L14-L13-SOUTH

Tot Ion: 43 Resp: 23200

Ion Ratio Lower Upper

43 100

58 23.3 25.2 37.8#



#17

Carbon Disulfide

Concen: 1.315 ug/l

RT: 4.42 min Scan# 425

Delta R.T. 0.01 min

Lab File: VD067552.D

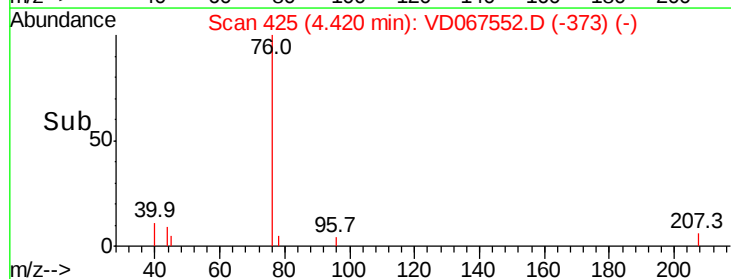
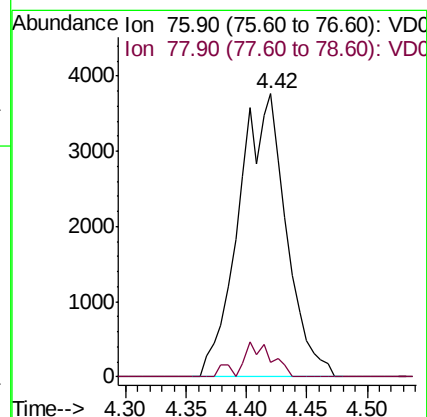
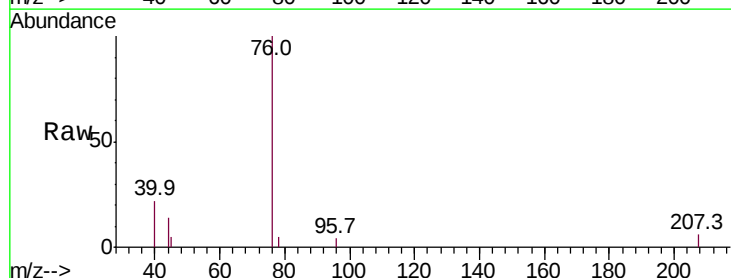
Acq: 06 Nov 2020 15:06

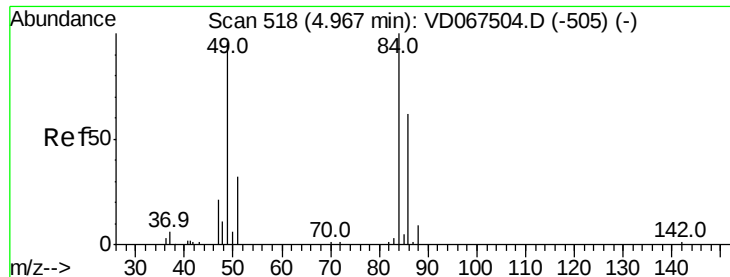
Tgt Ion: 76 Resp: 10306

Ion Ratio Lower Upper

76 100

78 5.1 7.2 10.8#

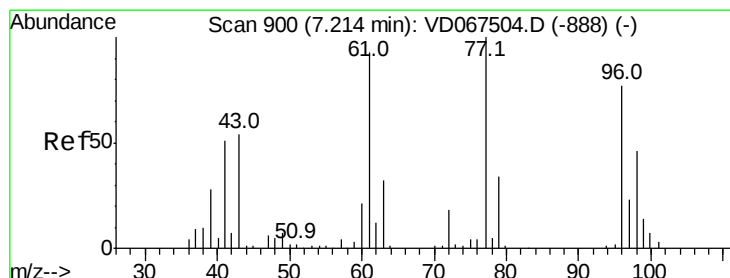
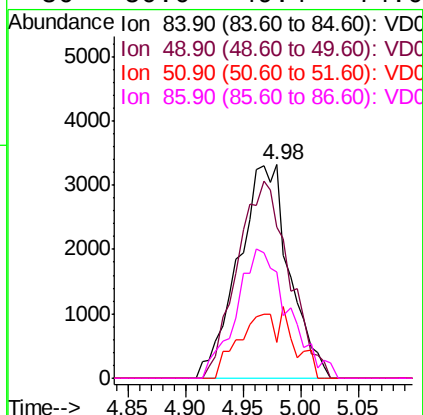
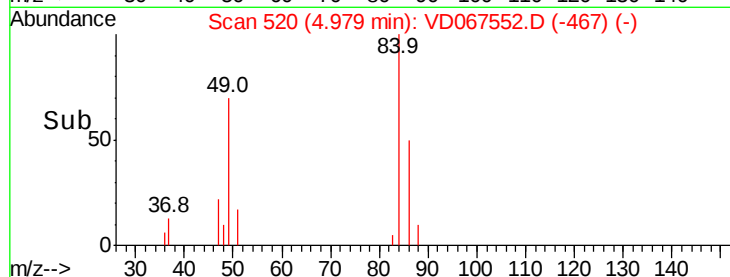
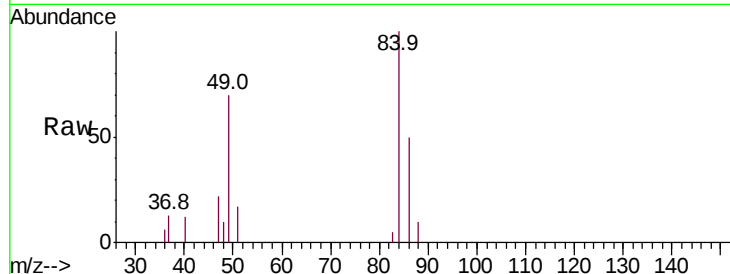




#20
Methvlene Chloride
Concen: 3.609 ug/l
RT: 4.98 min Scan# 520
Delta R.T. 0.01 min
Lab File: VD067552.D
Acq: 06 Nov 2020 15:06

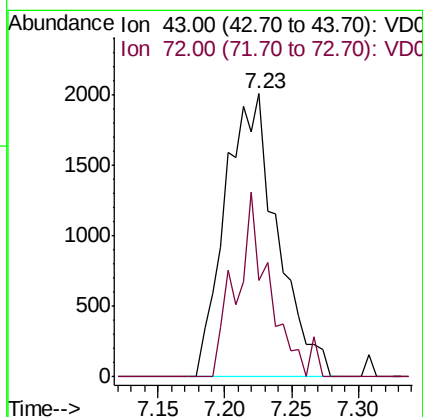
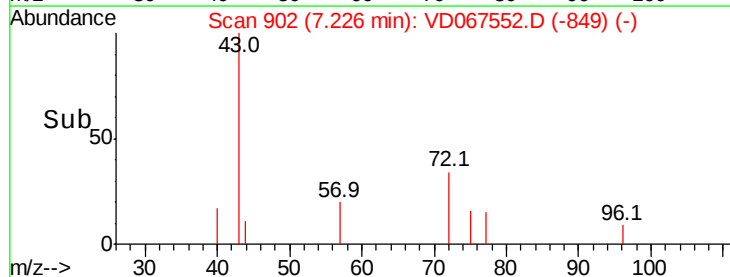
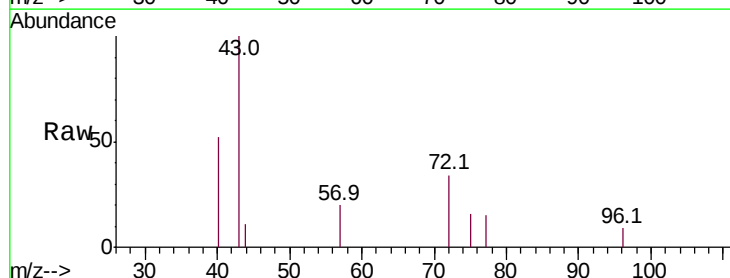
Instrument :
MSVOA_D
ClientSampleId :
SR-L14-L13-SOUTH

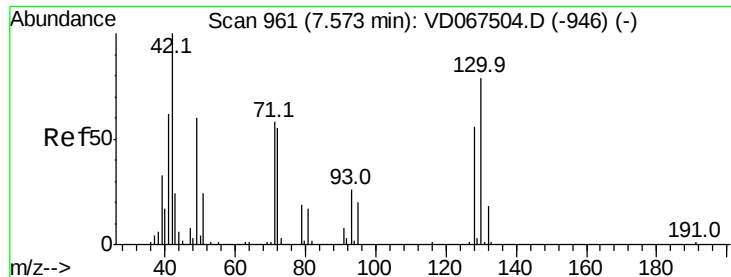
Tot Ion: 84 Resp: 10223
Ion Ratio Lower Upper
84 100
49 70.4 77.0 115.4#
51 17.0 25.4 38.2#
86 50.0 49.4 74.0



#25
2-Butanone
Concen: 12.775 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD067552.D
Acq: 06 Nov 2020 15:06

Tgt Ion: 43 Resp: 5474
Ion Ratio Lower Upper
43 100
72 34.2 26.4 39.6





#29

Tetrahydrofuran

Concen: 3.830 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

SR-L14-L13-SOUTH

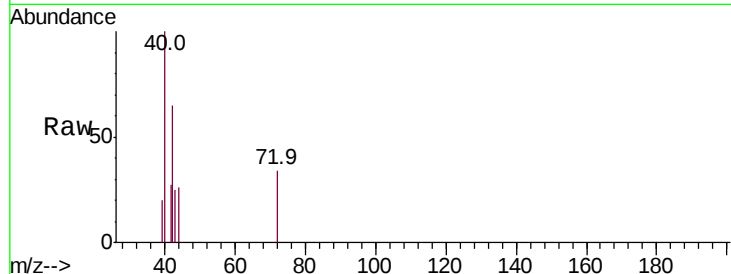
Tot Ion: 42 Resp: 983

Ion Ratio Lower Upper

42 100

72 0.0 46.3 69.5#

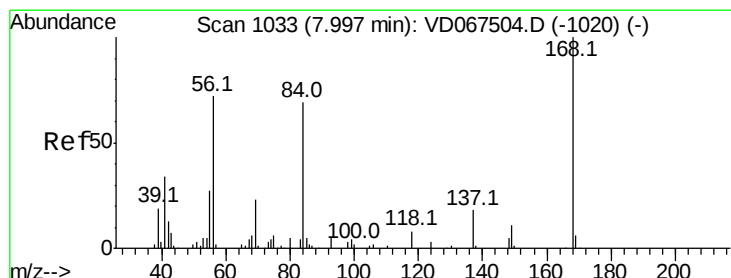
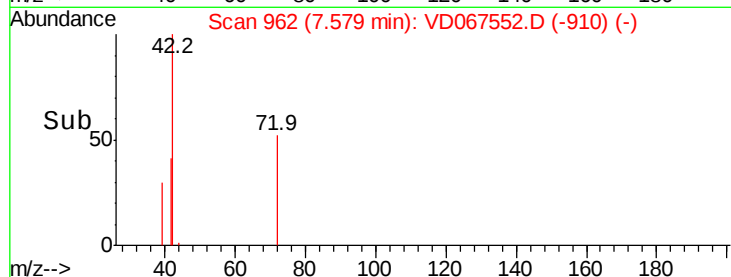
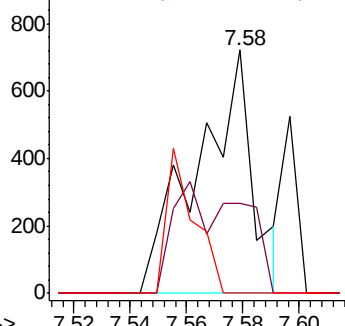
71 0.0 44.0 66.0#



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: 1.554 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

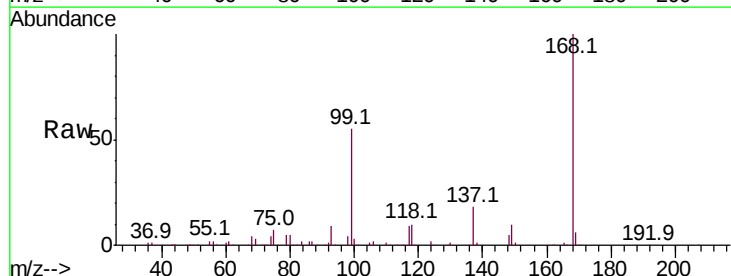
Tgt Ion: 56 Resp: 6040

Ion Ratio Lower Upper

56 100

69 124.7 25.9 38.9#

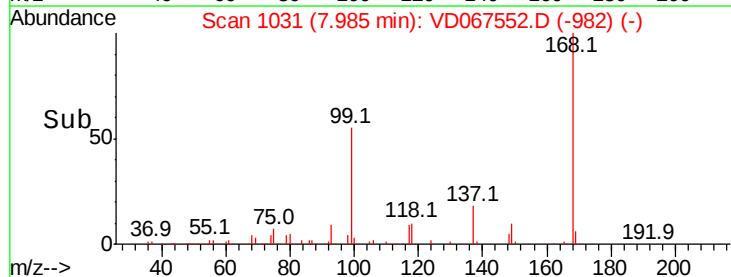
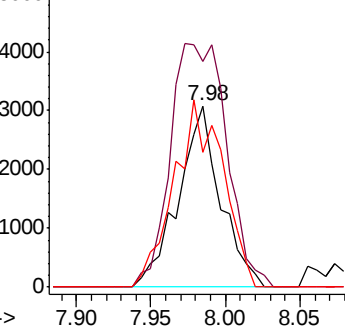
84 74.5 76.2 114.4#

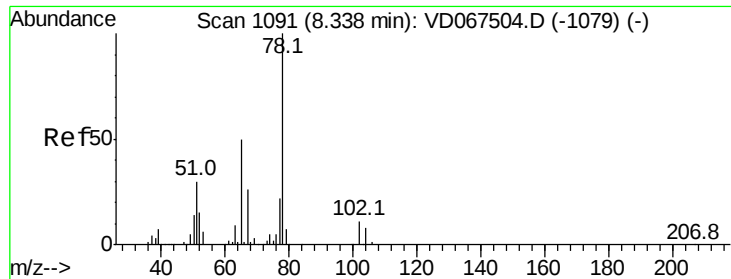


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.685 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

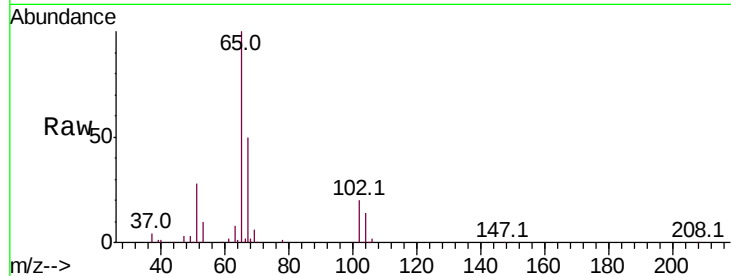
SR-L14-L13-SOUTH

Tot Ion: 65 Resp: 146537

Ion Ratio Lower Upper

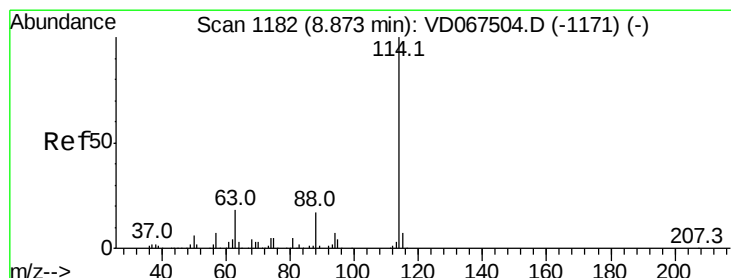
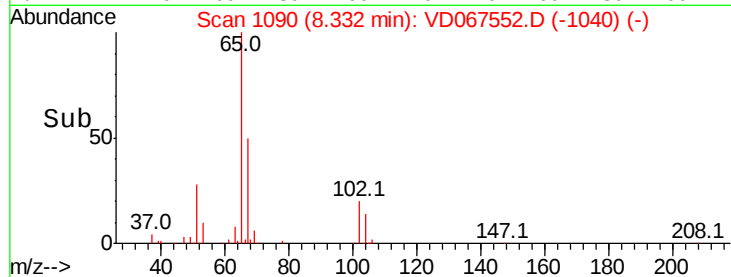
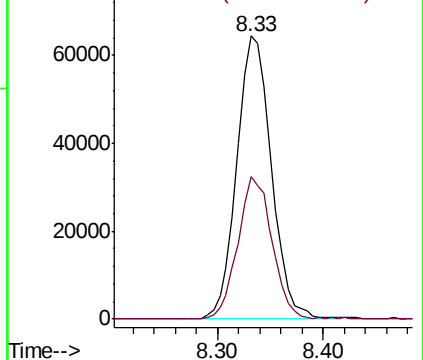
65 100

67 49.9 0.0 99.4



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. -0.01 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

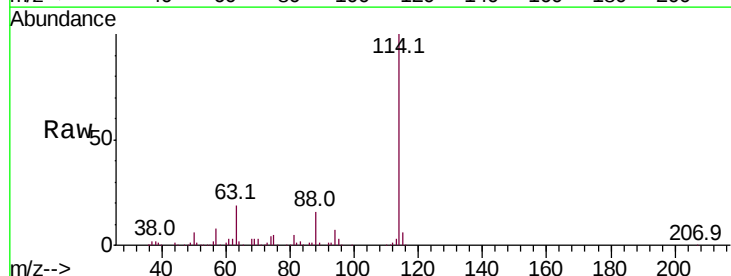
Tgt Ion: 114 Resp: 470698

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

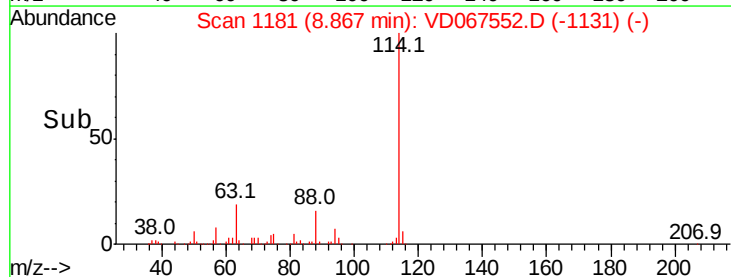
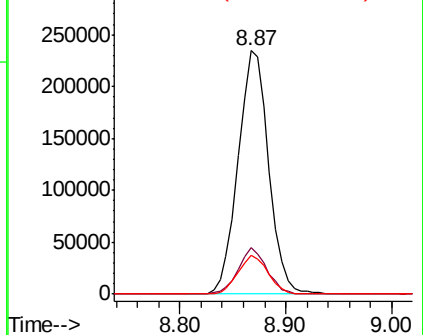
88 15.8 0.0 33.0

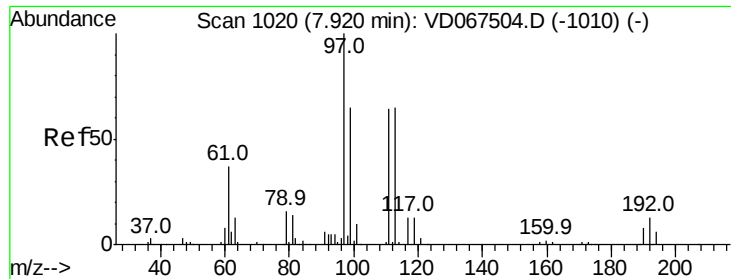


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

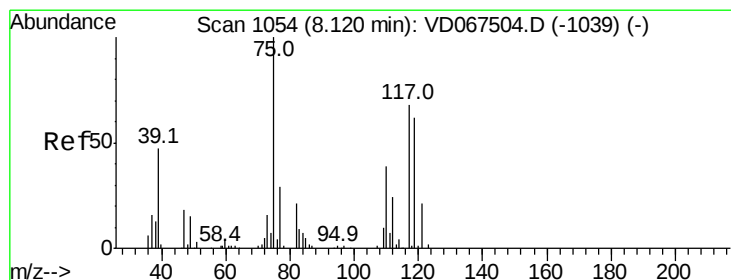
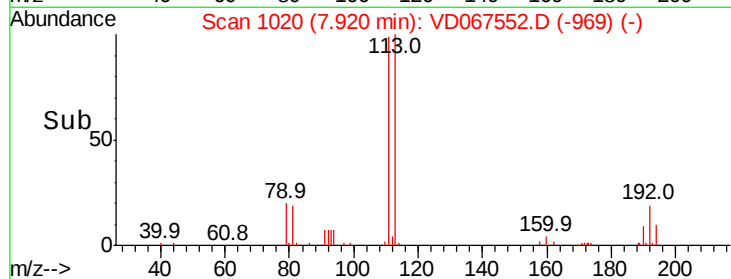
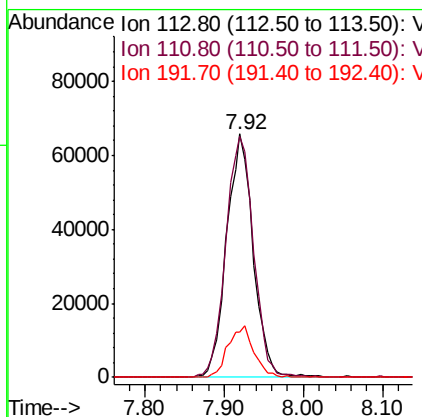
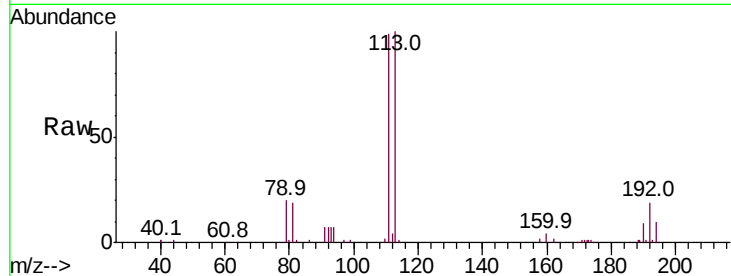




#35
 Dibromofluoromethane
 Concen: 53.774 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067552.D
 Acq: 06 Nov 2020 15:06

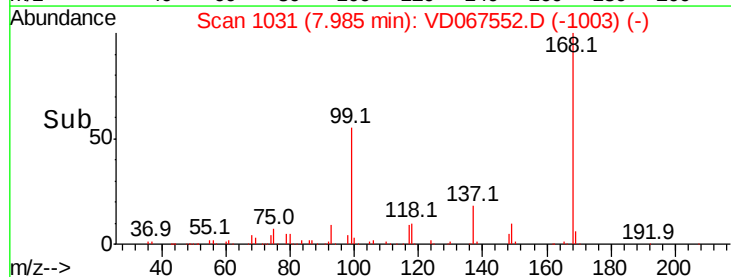
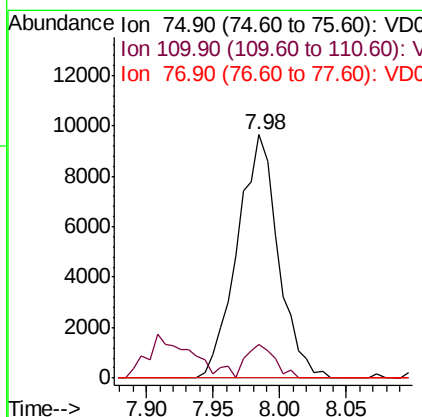
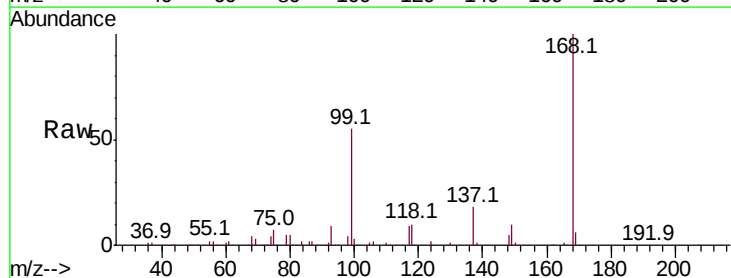
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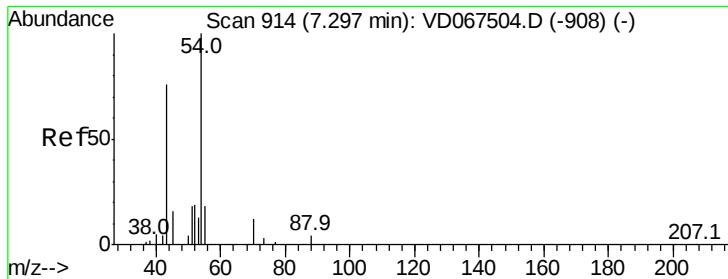
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.0	120.0
192	20.7	16.3	24.5



#36
 1,1-Dichloropropene
 Concen: 5.097 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.14 min
 Lab File: VD067552.D
 Acq: 06 Nov 2020 15:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.9	59.7#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 5.233 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.07 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

SR-L14-L13-SOUTH

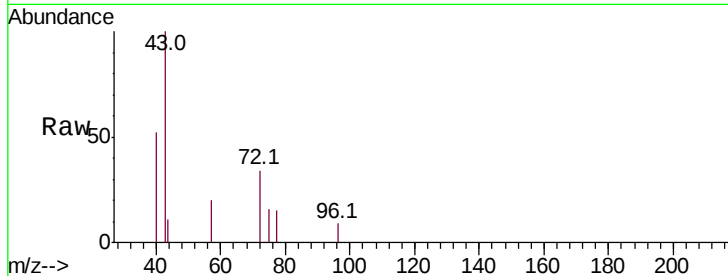
Tot Ion: 43 Resp: 5474

Ion Ratio Lower Upper

43 100

61 3.3 12.8 19.2#

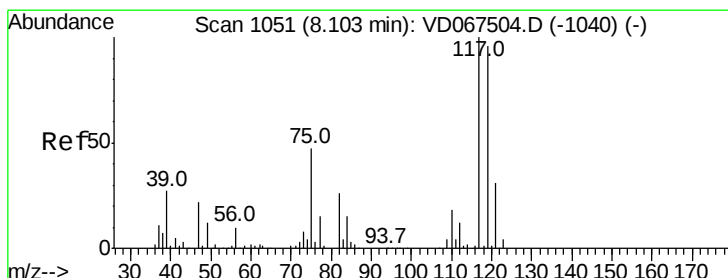
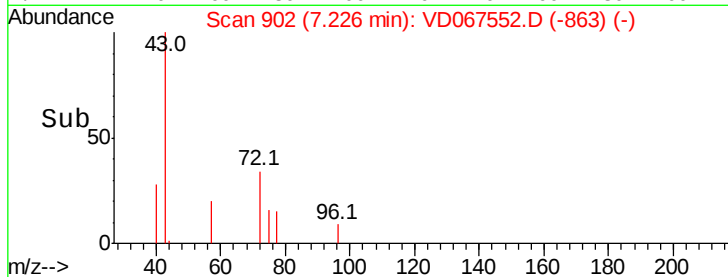
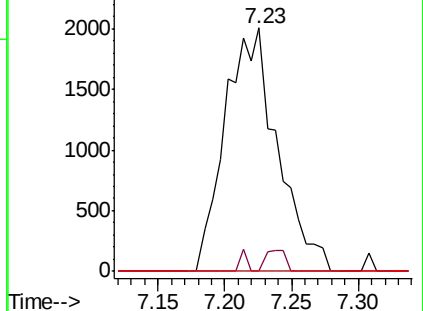
70 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 6.150 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

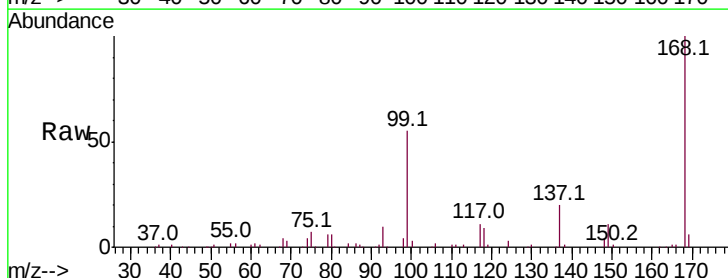
Tgt Ion: 117 Resp: 32194

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

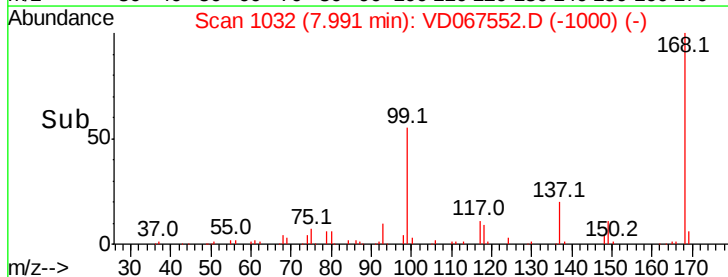
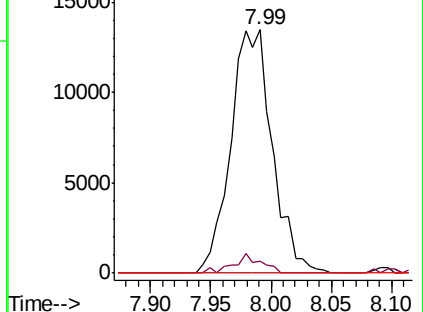
121 0.0 24.5 36.7#

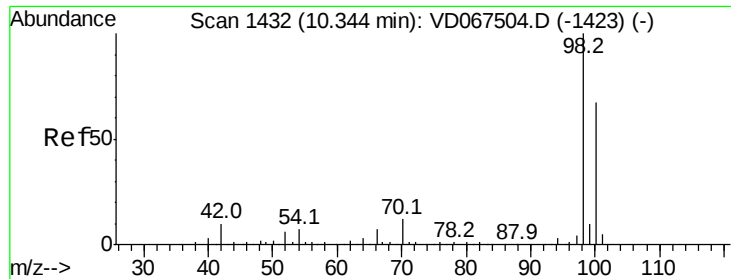


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 55.625 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

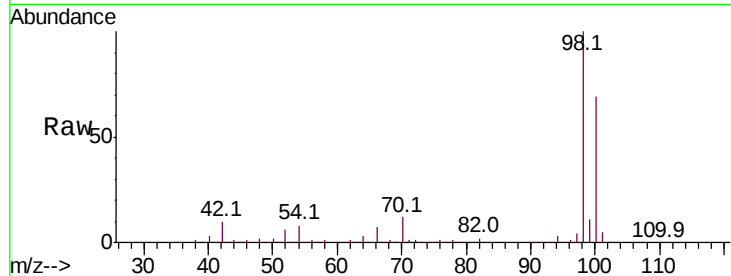
SR-L14-L13-SOUTH

Tot Ion: 98 Resp: 554373

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VD067504.D (-1423) (-)

Ion 100.00 (99.70 to 100.70): VD067504.D (-1423) (-)

10.34

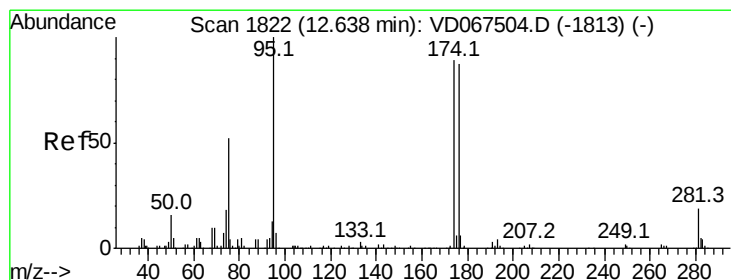
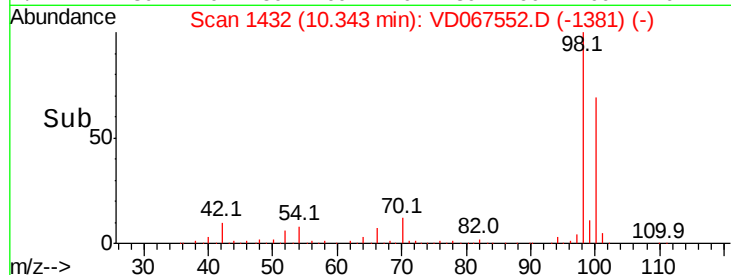
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 59.621 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

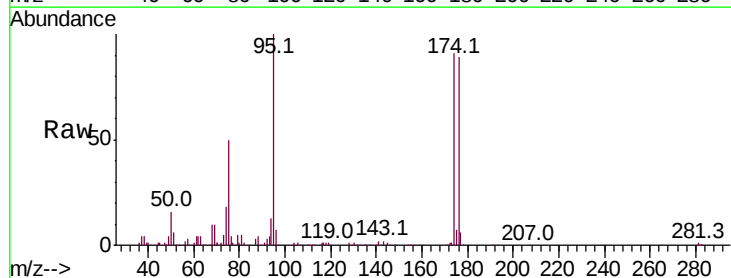
Tgt Ion: 95 Resp: 205143

Ion Ratio Lower Upper

95 100

174 88.4 0.0 177.8

176 85.4 0.0 172.0



Abundance Ion 94.90 (94.60 to 95.60): VD067504.D (-1813) (-)

Ion 173.80 (173.50 to 174.50): VD067504.D (-1813) (-)

Ion 175.80 (175.50 to 176.50): VD067504.D (-1813) (-)

12.64

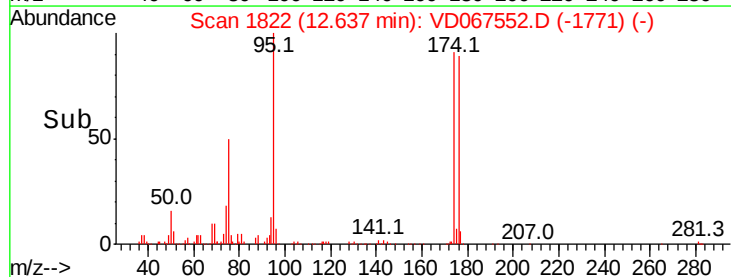
150000

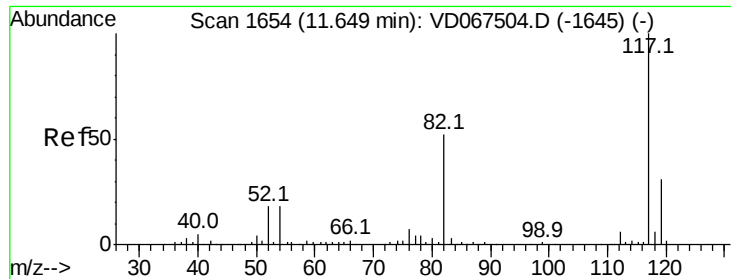
100000

50000

0

Time-->

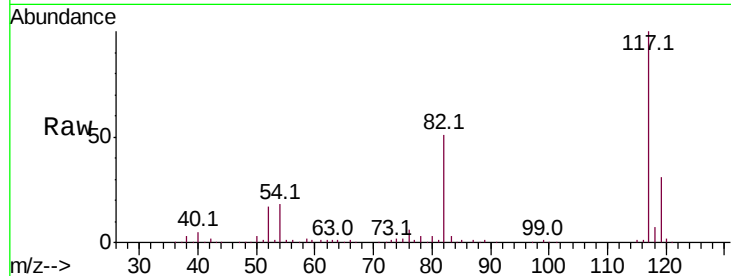




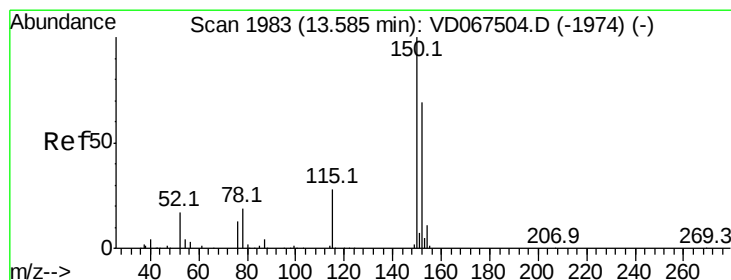
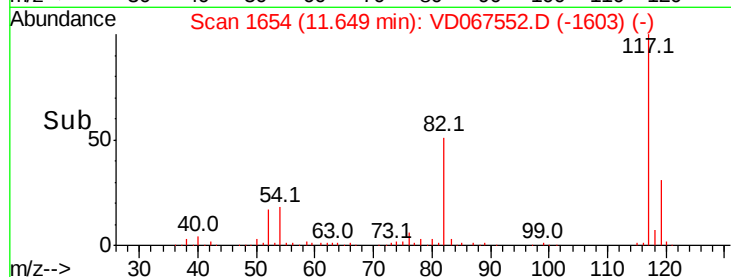
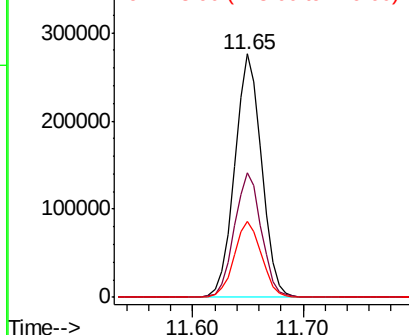
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067552.D
Acq: 06 Nov 2020 15:06

Instrument :
MSVOA_D
ClientSampleId :
SR-L14-L13-SOUTH

Tot Ion:117 Resp: 471497
Ion Ratio Lower Upper
117 100
82 51.3 41.6 62.4
119 31.3 25.1 37.7

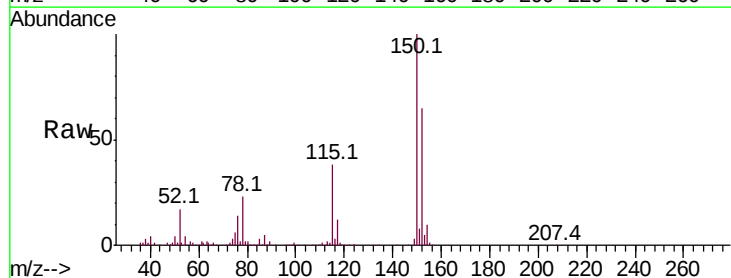


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

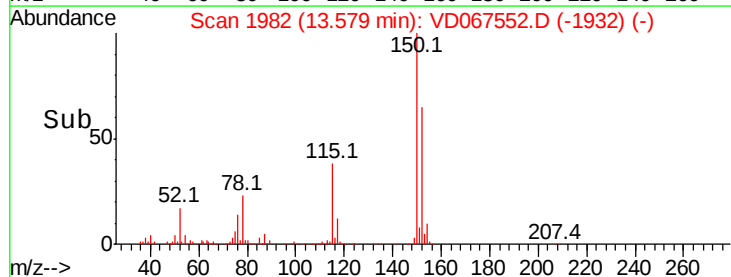
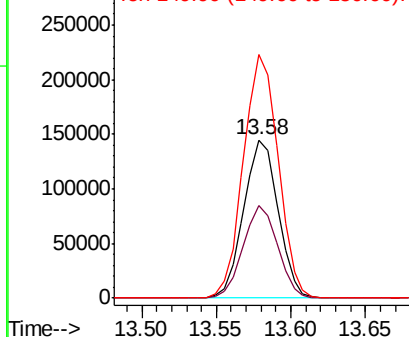


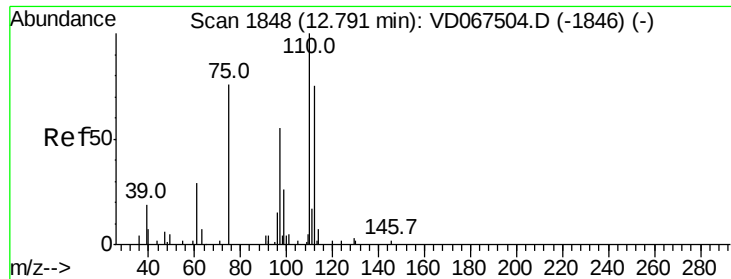
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067552.D
Acq: 06 Nov 2020 15:06

Tgt Ion:152 Resp: 231760
Ion Ratio Lower Upper
152 100
115 58.5 29.3 88.0
150 155.5 0.0 338.2



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





#76

1,2,3-Trichloropropane

Concen: 73.887 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

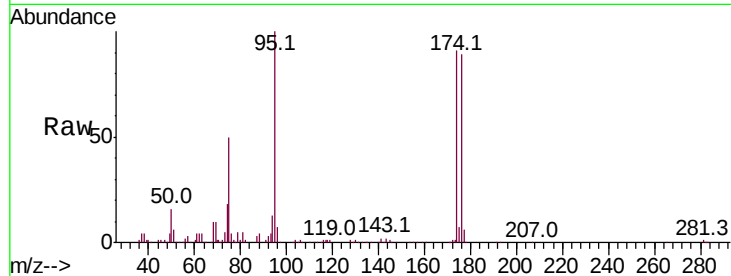
SR-L14-L13-SOUTH

Tot Ion: 75 Resp: 103302

Ion Ratio Lower Upper

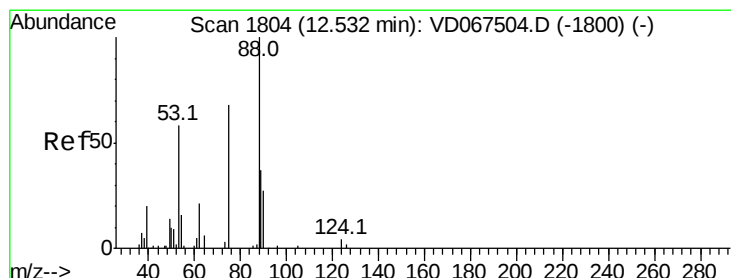
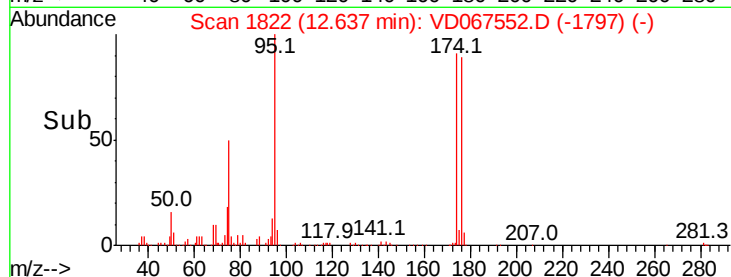
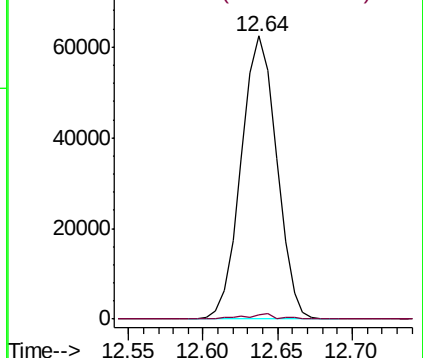
75 100

77 1.6 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: 150.010 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

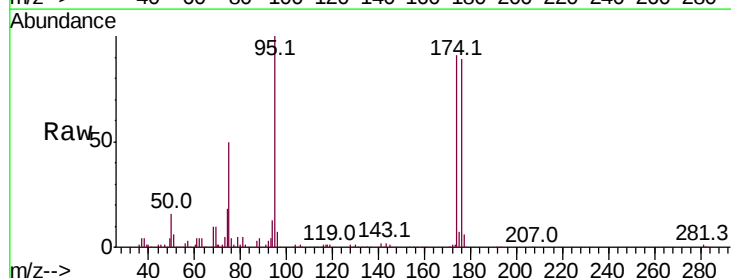
Tgt Ion: 75 Resp: 103302

Ion Ratio Lower Upper

75 100

53 0.1 75.9 113.9#

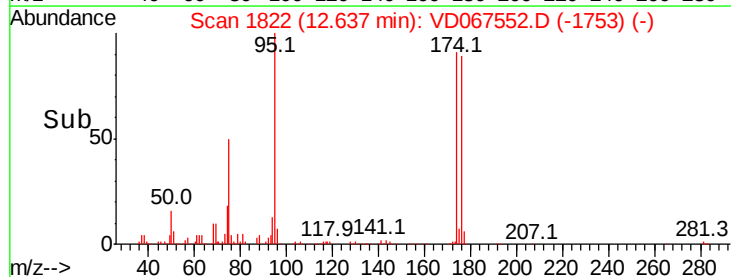
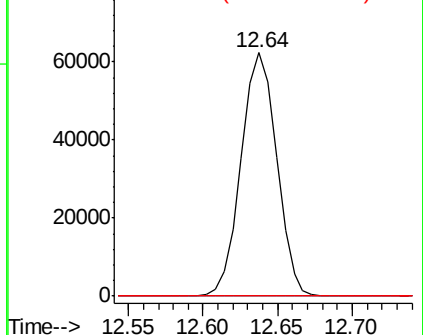
89 0.0 44.6 67.0#

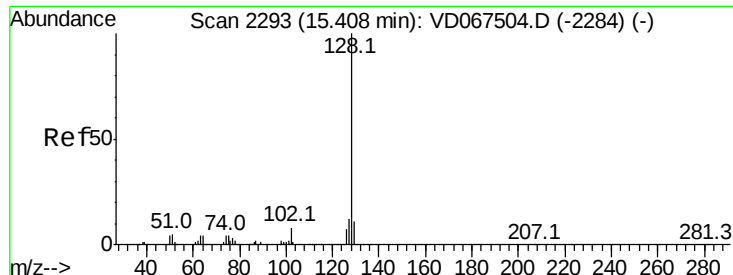


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 1.012 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067552.D

Acq: 06 Nov 2020 15:06

Instrument :

MSVOA_D

ClientSampleId :

SR-L14-L13-SOUTH

Tot Ion:128 Resp: 6442

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 13.2 8.9 13.3

