

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD067003.D
 Acq On : 01 Oct 2020 20:04
 Operator : VA/SY
 Sample : L4198-07
 Misc : 7.26G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-25

Quant Time: Oct 02 00:41:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	477140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	805176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	742356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330232	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	236752	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	7.91	113	258575	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	10.34	98	959703	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.63	95	306978	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	

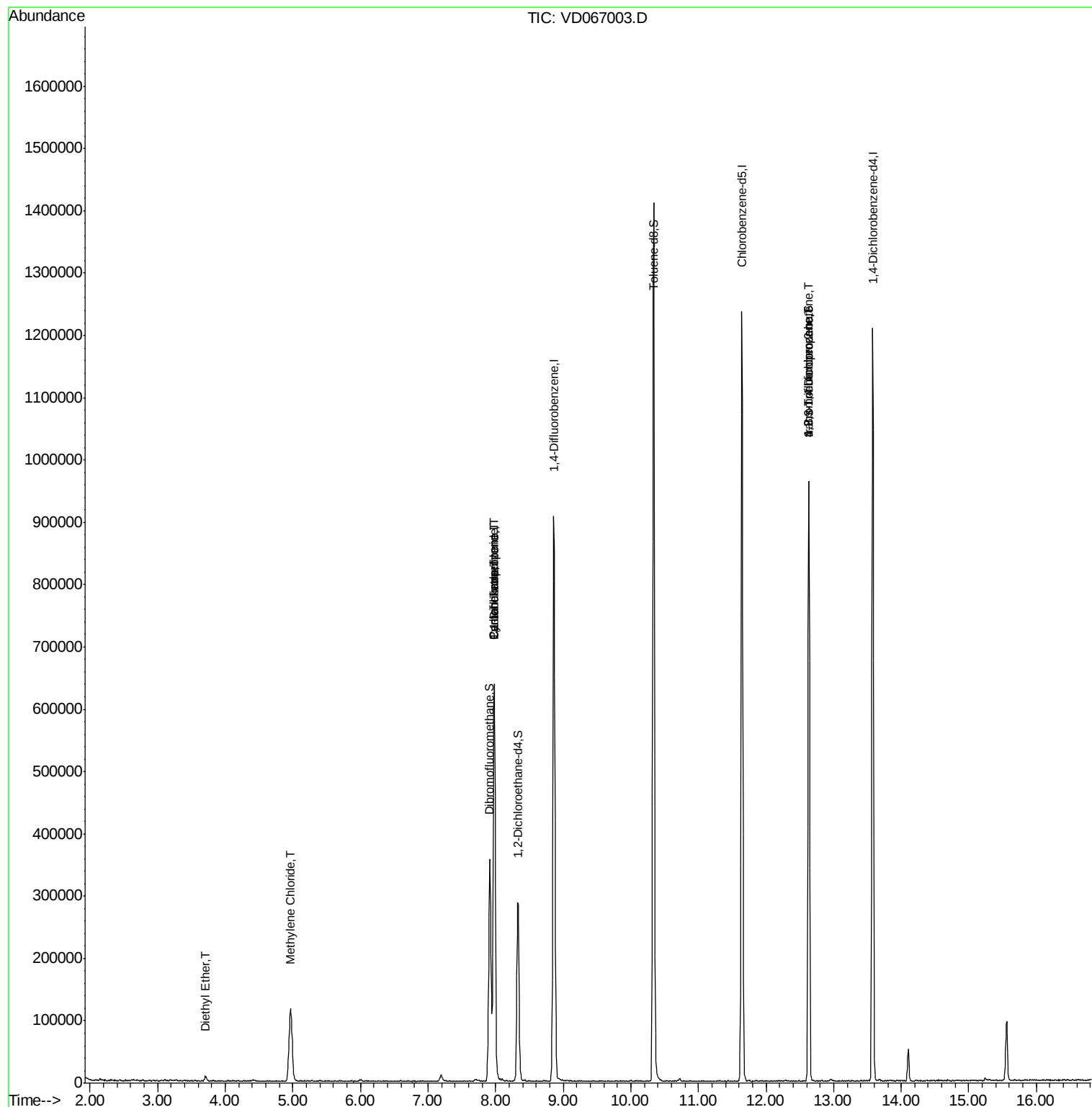
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	239	Below Cal	#	40
5) Bromomethane	2.77	94	409	Below Cal	#	42
8) Diethyl Ether	3.70	74	3635	1.732	ug/l	96
11) Tert butyl alcohol	5.23	59	452	Below Cal		96
20) Methylene Chloride	4.97	84	97112	14.315	ug/l	97
26) 2,2-Dichloropropane	7.19	77	811	Below Cal	#	53
31) Cyclohexane	7.98	56	10256	1.486	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	36274	4.833	ug/l #	49
38) Carbon Tetrachloride	7.98	117	47248	5.818	ug/l #	17
76) 1,2,3-Trichloropropane	12.63	75	152320	52.954	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	152320	132.022	ug/l #	12

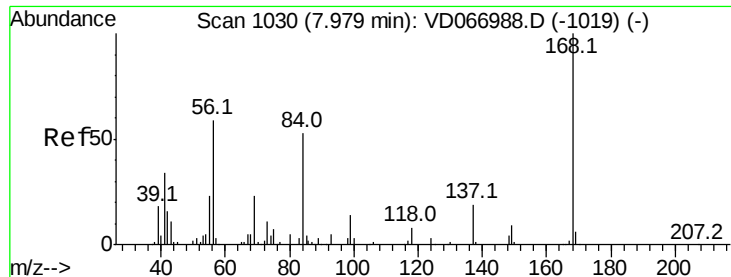
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
Data File : VD067003.D
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067003.D

Acq: 01 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

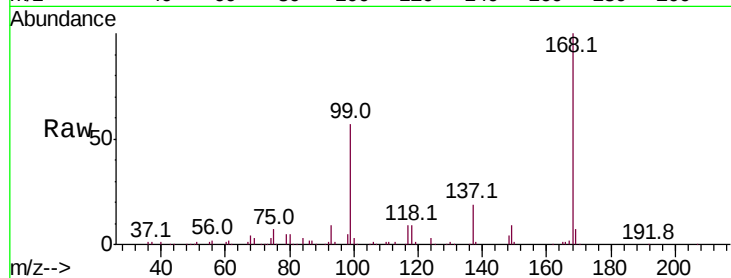
RO-25

Tot Ion:168 Resp: 477140

Ion Ratio Lower Upper

168 100

99 57.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

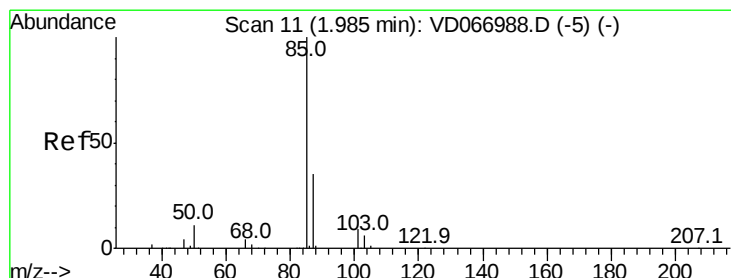
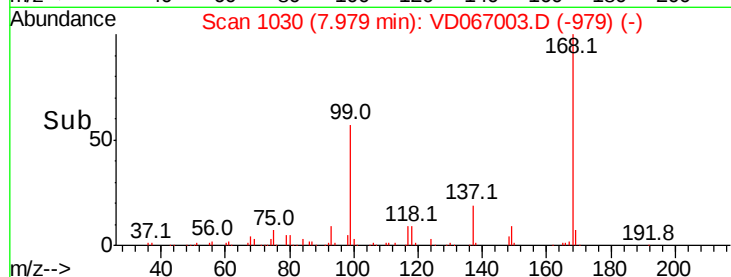
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067003.D

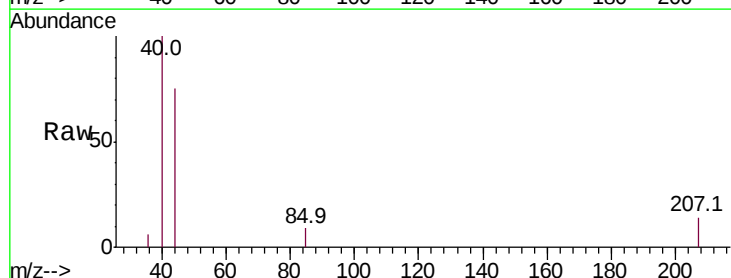
Acq: 01 Oct 2020 20:04

Tgt Ion: 85 Resp: 239

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

300

250

200

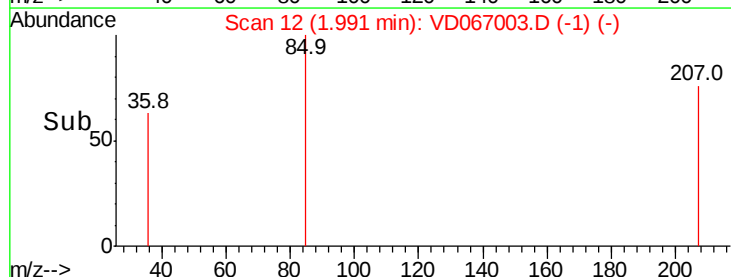
150

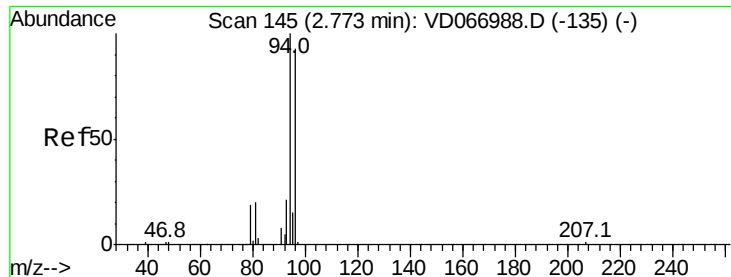
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067003.D

Acq: 01 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

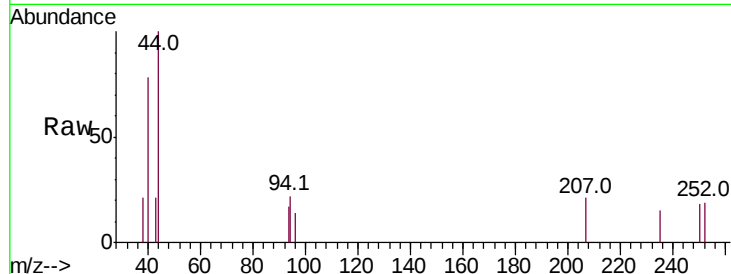
RO-25

Tot Ion: 94 Resp: 409

Ion Ratio Lower Upper

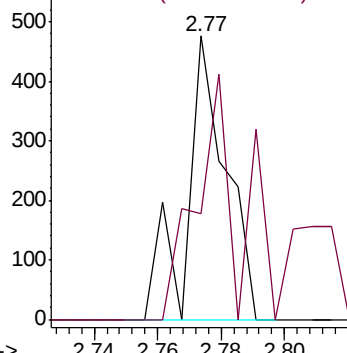
94 100

96 37.2 74.6 112.0#

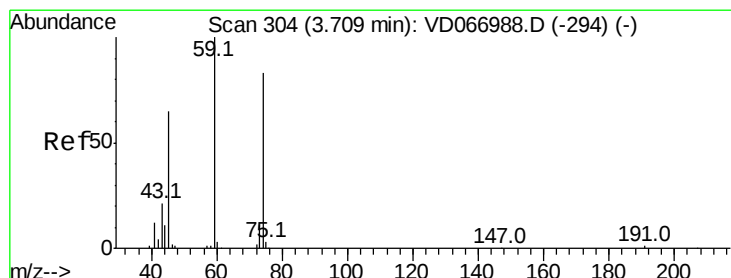
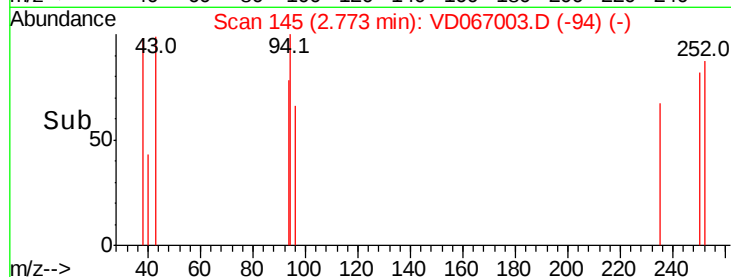


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#8

Diethyl Ether

Concen: 1.732 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD067003.D

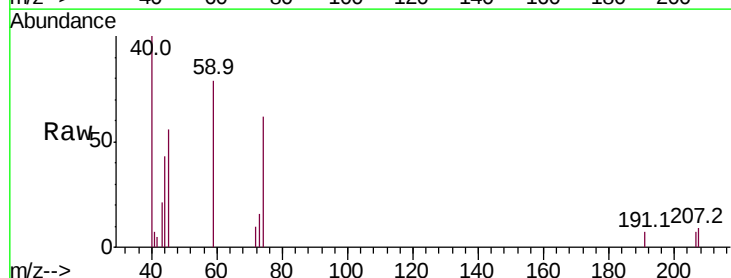
Acq: 01 Oct 2020 20:04

Tgt Ion: 74 Resp: 3635

Ion Ratio Lower Upper

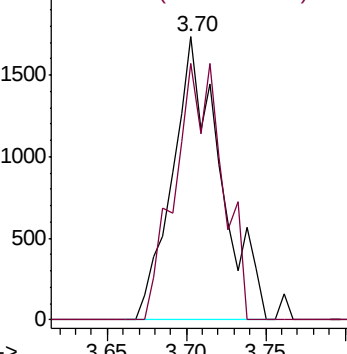
74 100

45 89.7 43.1 129.3

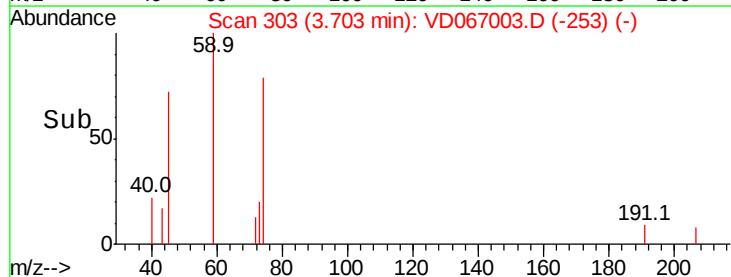


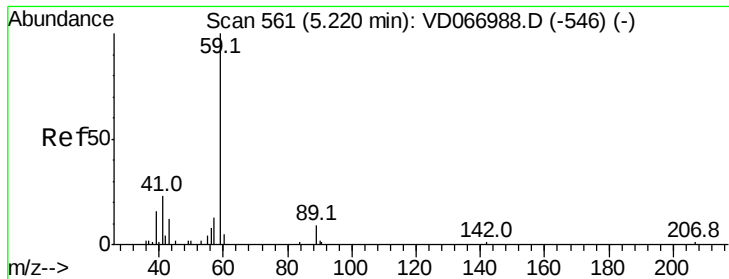
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->



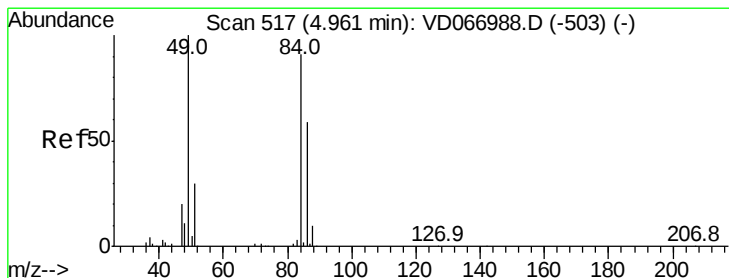
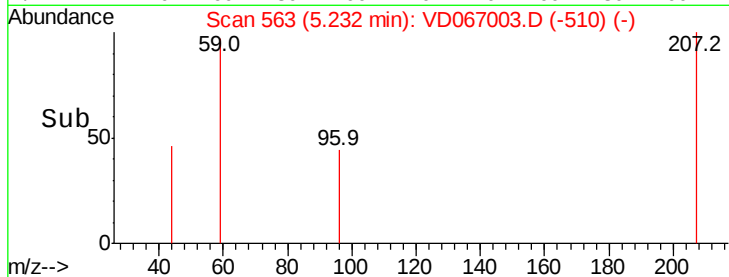
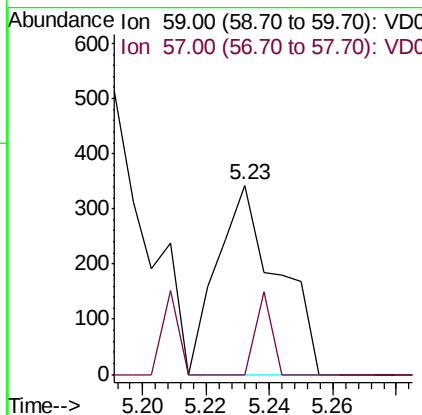
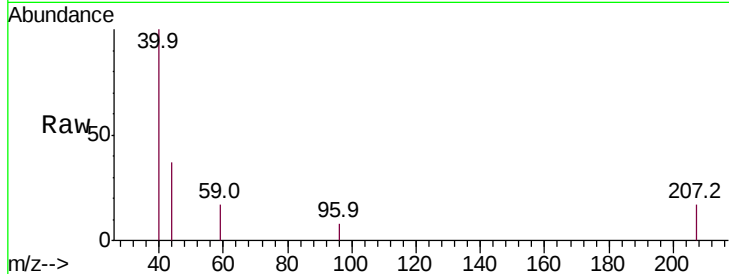


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD067003.D
 Acq: 01 Oct 2020 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-25

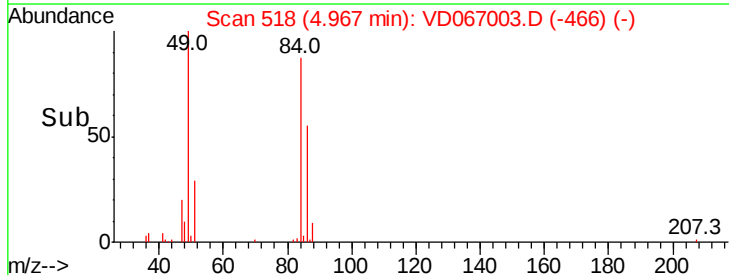
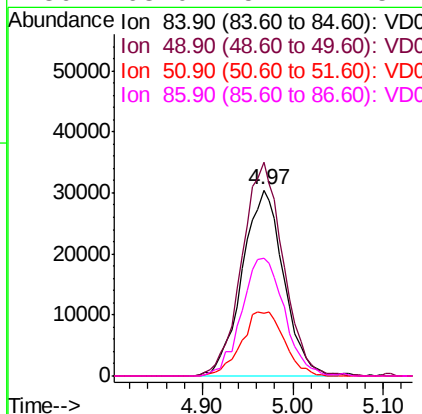
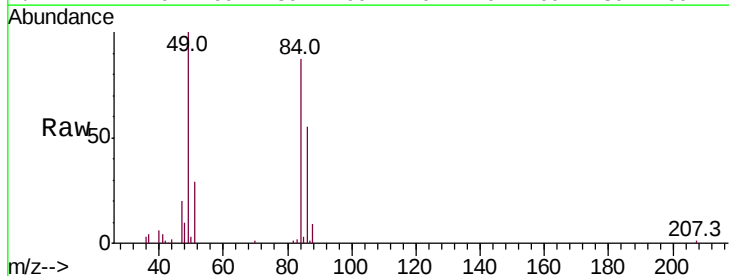
Tot Ion: 59 Resp: 452
 Ion Ratio Lower Upper
 59 100
 57 11.7 8.2 12.4

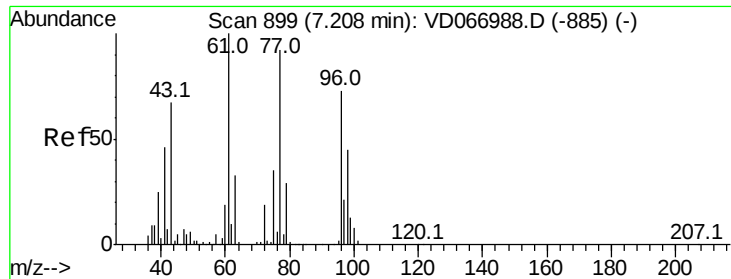


#20

Methylene Chloride
 Concen: 14.315 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067003.D
 Acq: 01 Oct 2020 20:04

Tgt Ion: 84 Resp: 97112
 Ion Ratio Lower Upper
 84 100
 49 114.9 88.2 132.2
 51 33.7 26.6 39.8
 86 63.0 52.1 78.1

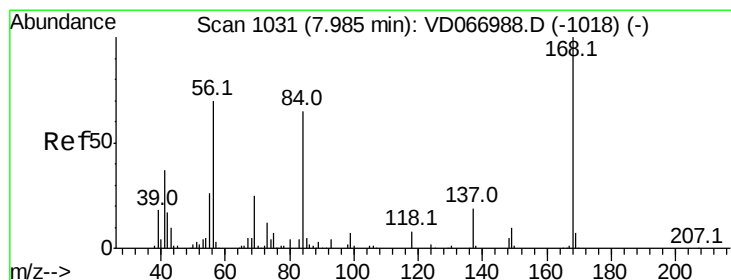
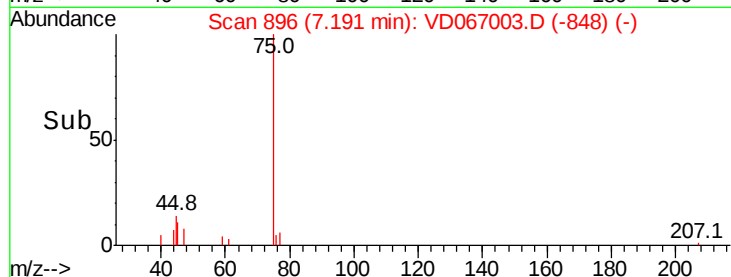
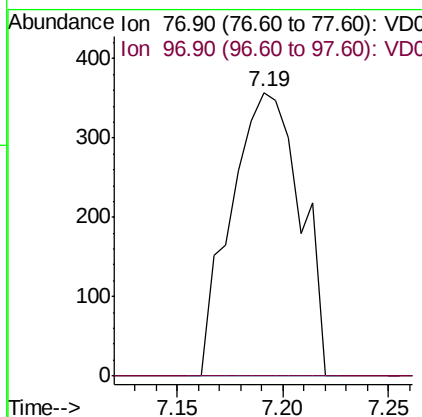
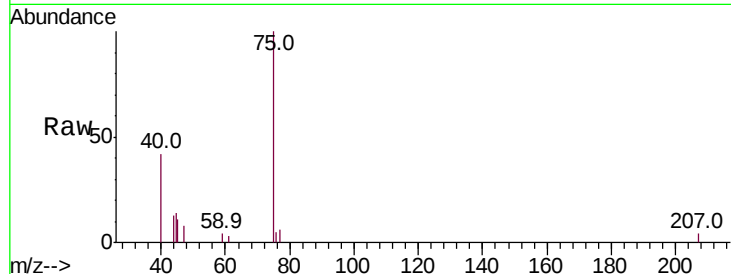




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

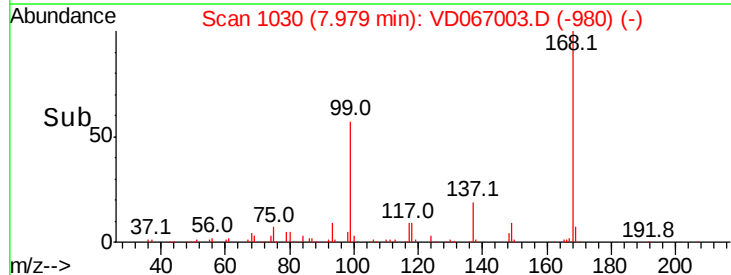
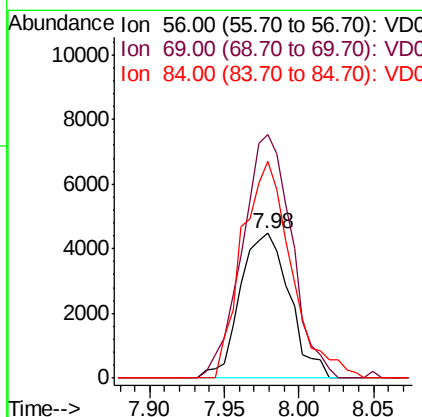
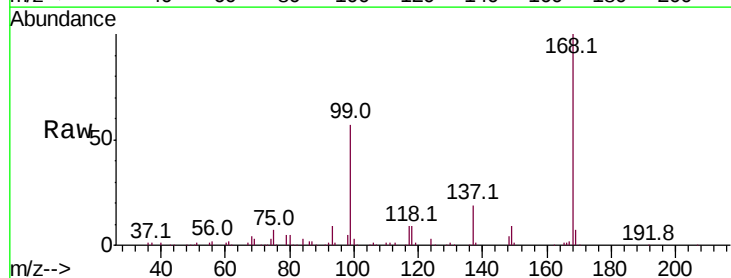
Instrument :
MSVOA_D
ClientSampleId :
RO-25

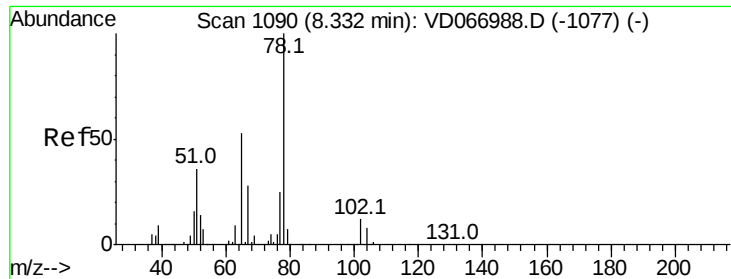
Tot Ion: 77 Resp: 811
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.486 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

Tgt Ion: 56 Resp: 10256
Ion Ratio Lower Upper
56 100
69 168.1 29.0 43.6#
84 149.6 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 51.515 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067003.D

Acq: 01 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

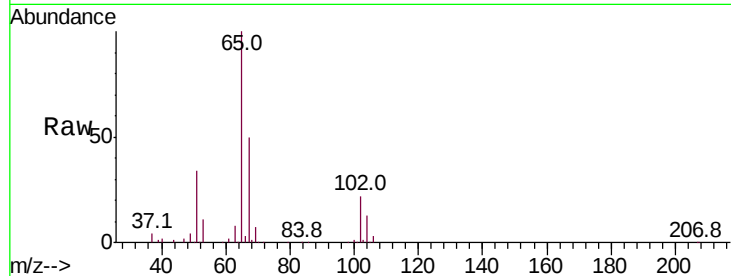
RO-25

Tot Ion: 65 Resp: 236752

Ion Ratio Lower Upper

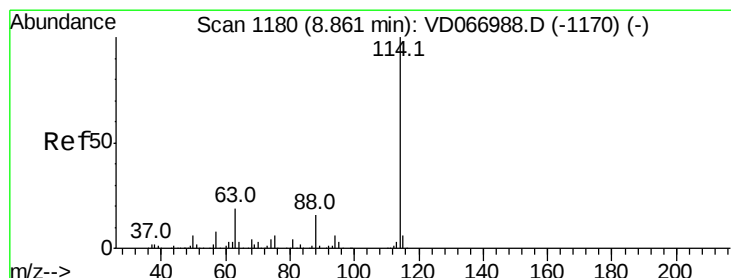
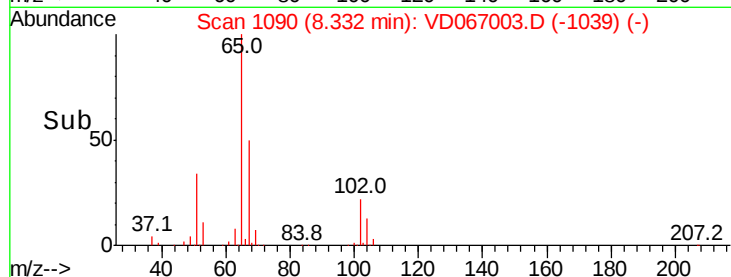
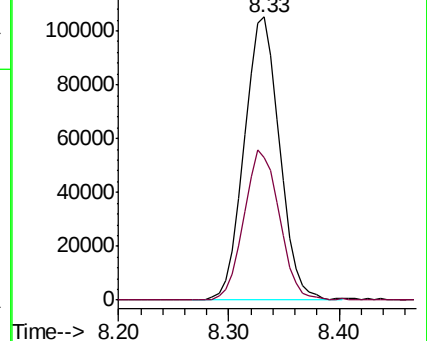
65 100

67 53.5 0.0 106.8



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: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067003.D

Acq: 01 Oct 2020 20:04

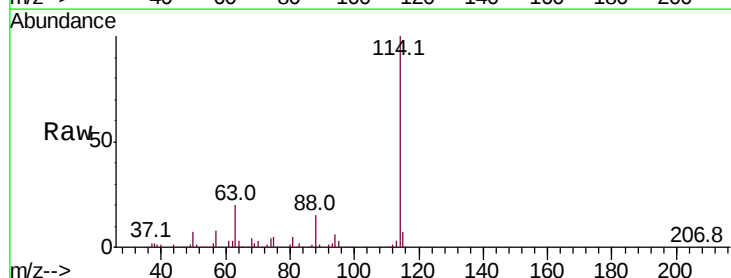
Tgt Ion: 114 Resp: 805176

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.4

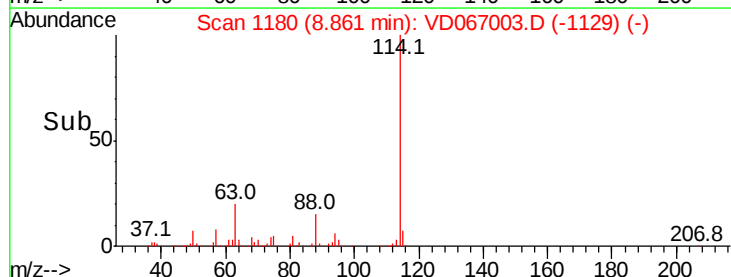
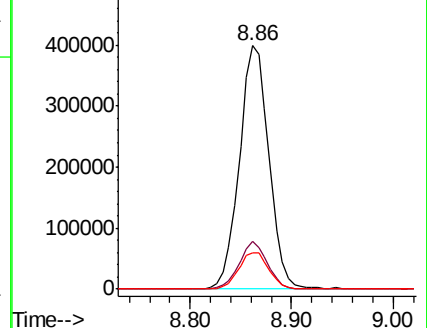
88 14.7 0.0 31.2

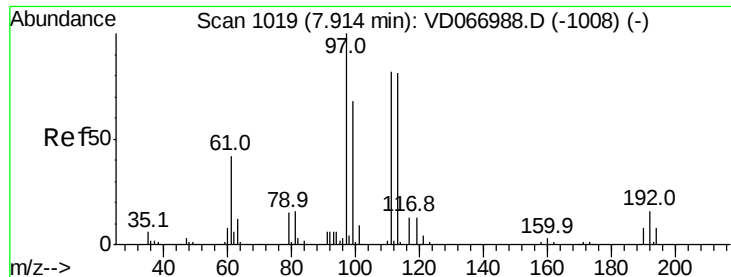


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

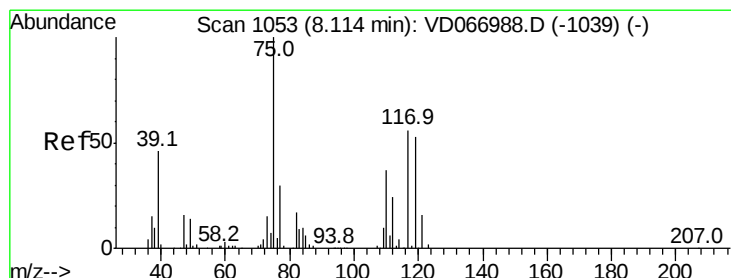
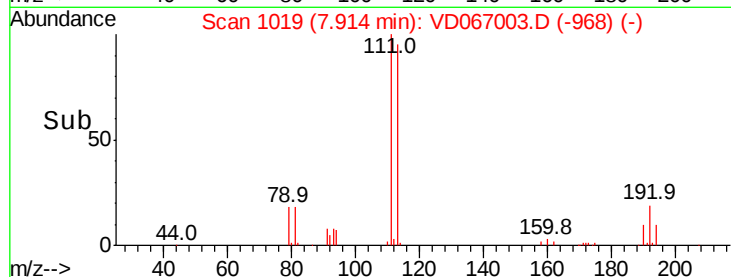
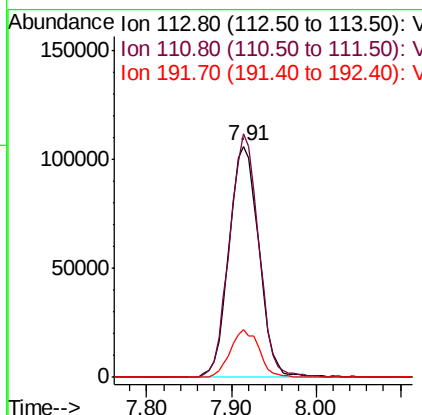
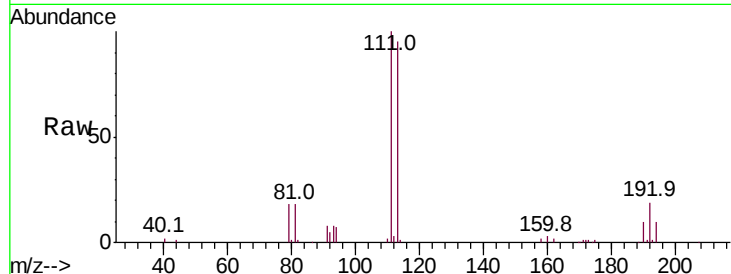




#35
Dibromofluoromethane
Concen: 49.053 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

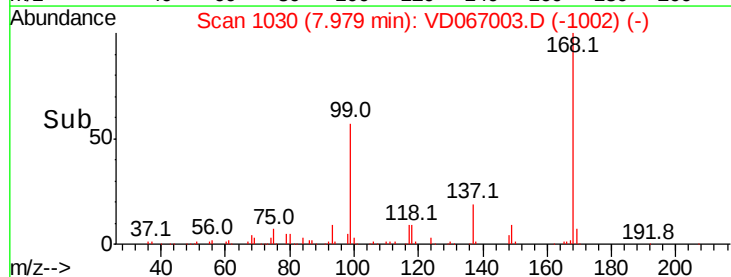
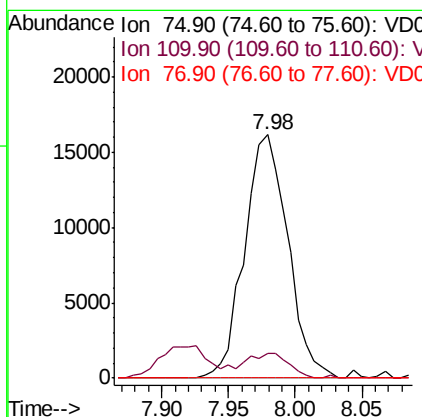
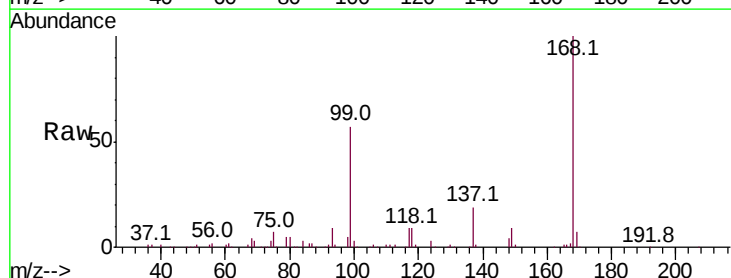
Instrument :
MSVOA_D
ClientSampled :
RO-25

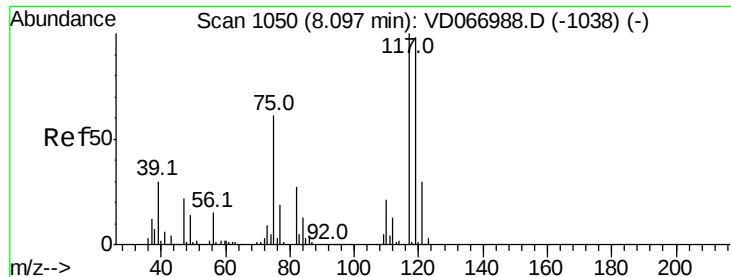
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.4
192	19.8	15.5	23.3



#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.4	55.0#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067003.D

Acq: 01 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

RO-25

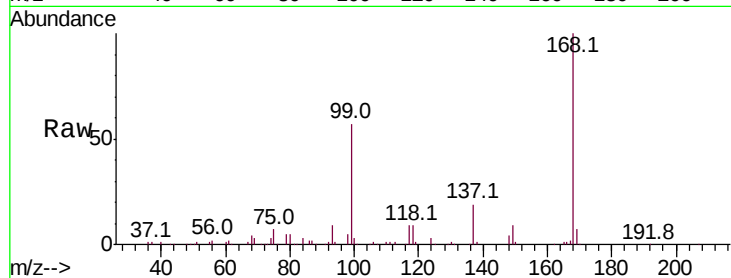
Tot Ion:117 Resp: 47248

Ion Ratio Lower Upper

117 100

119 7.3 78.7 118.1#

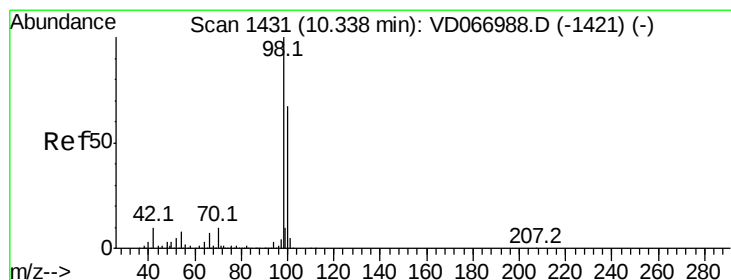
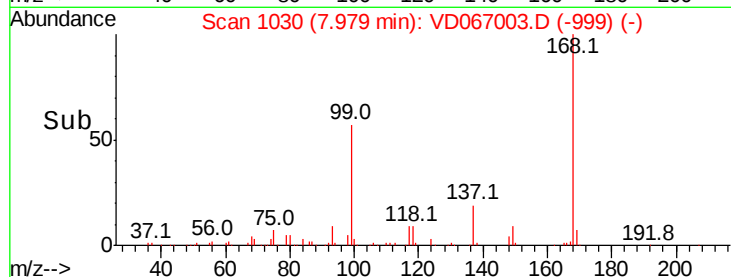
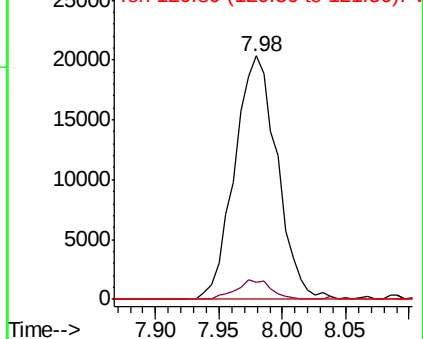
121 0.0 24.2 36.2#



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: 49.963 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067003.D

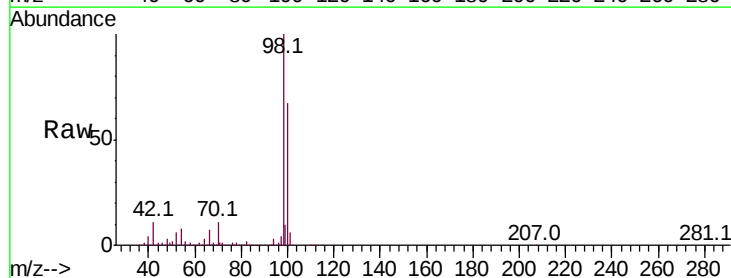
Acq: 01 Oct 2020 20:04

Tgt Ion: 98 Resp: 959703

Ion Ratio Lower Upper

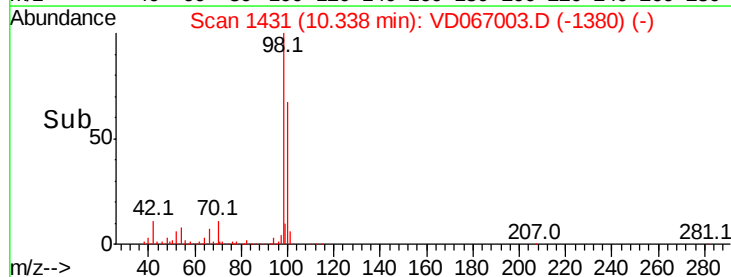
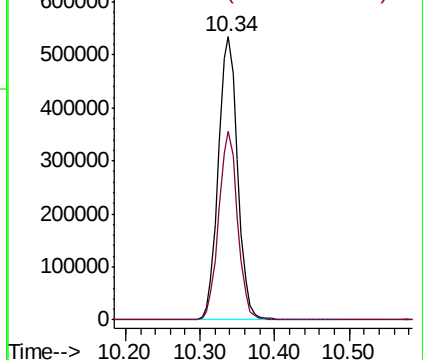
98 100

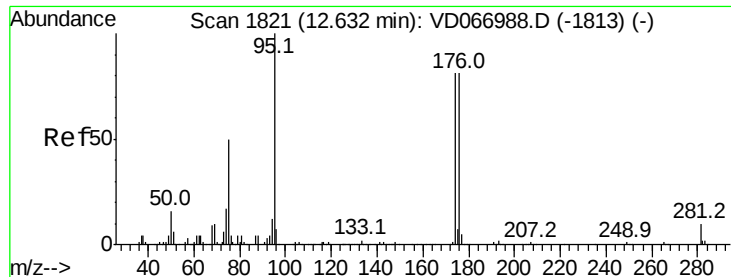
100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

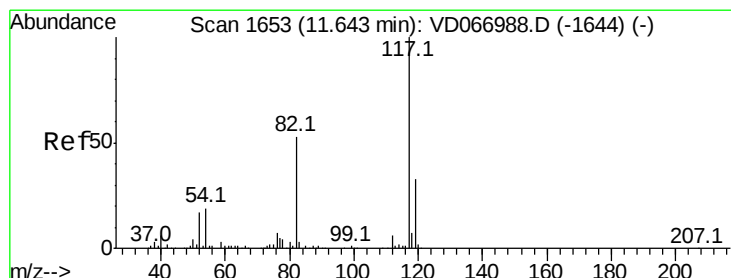
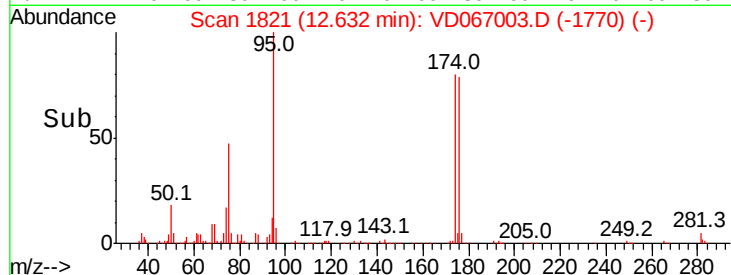
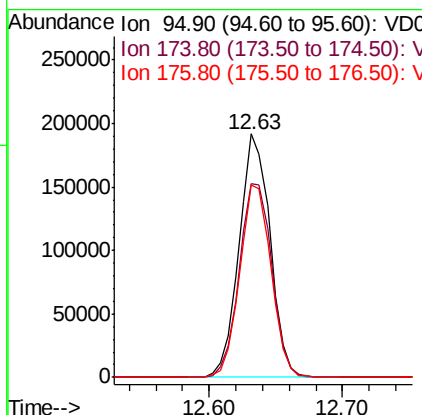
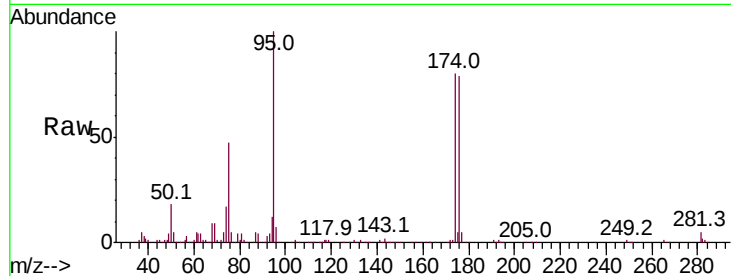




#62
4-Bromofluorobenzene
Concen: 47.077 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

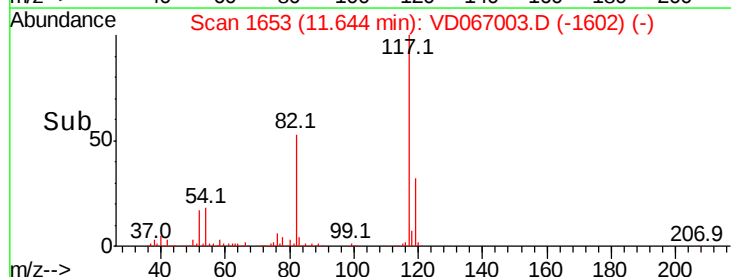
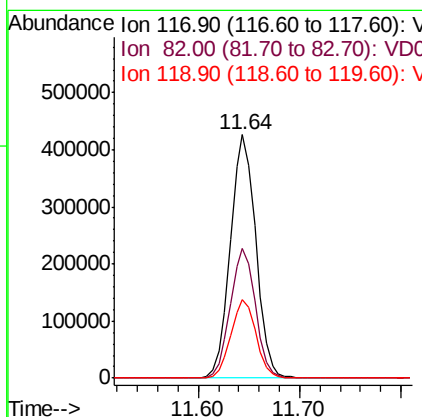
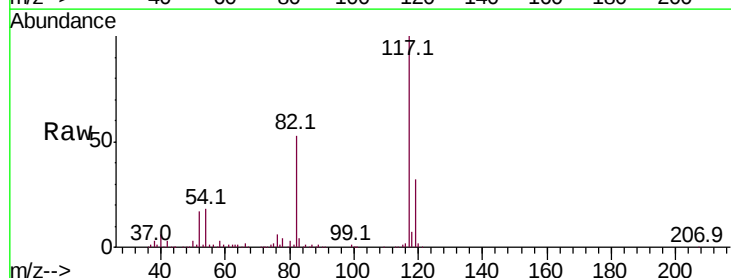
Instrument :
MSVOA_D
ClientSampleId :
RO-25

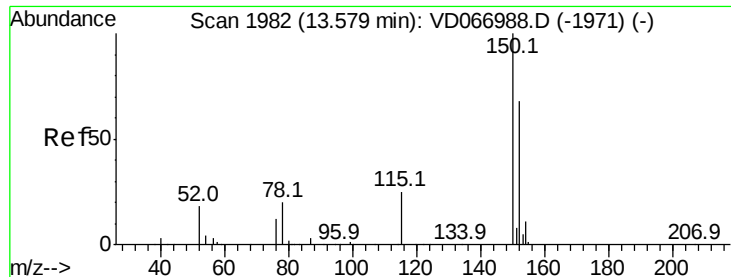
Tot Ion: 95 Resp: 306978
Ion Ratio Lower Upper
95 100
174 83.8 0.0 167.6
176 79.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067003.D
Acq: 01 Oct 2020 20:04

Tgt Ion: 117 Resp: 742356
Ion Ratio Lower Upper
117 100
82 53.1 42.6 63.8
119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067003.D

Acq: 01 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

RO-25

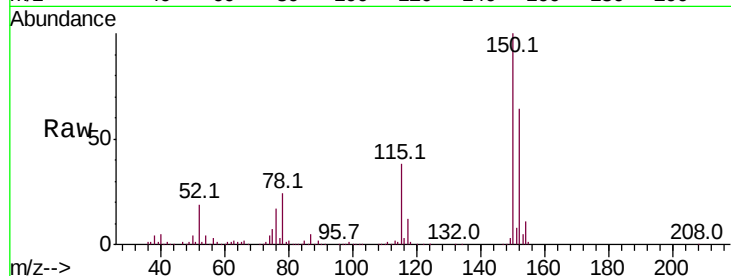
Tot Ion:152 Resp: 330232

Ion Ratio Lower Upper

152 100

115 58.2 29.6 88.8

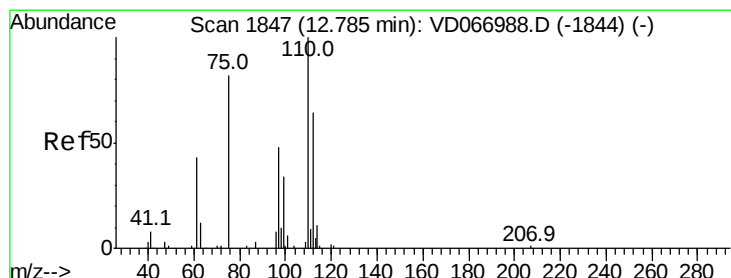
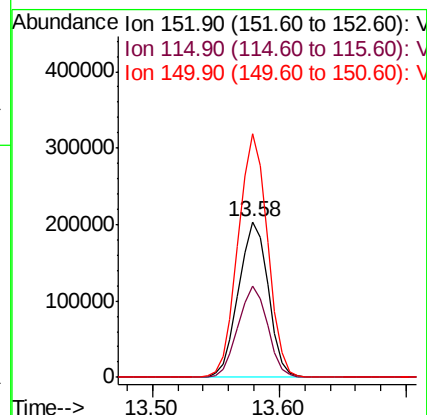
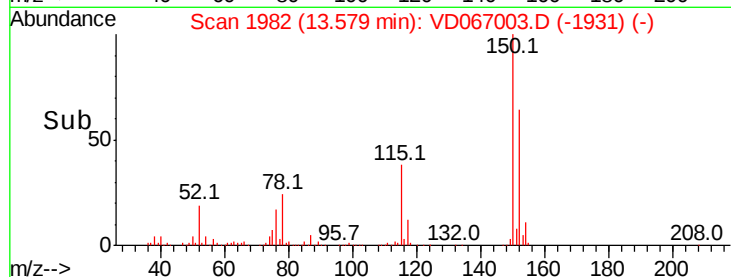
150 155.1 0.0 344.8



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: 52.954 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067003.D

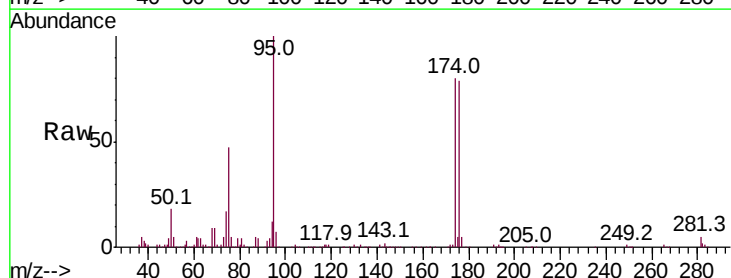
Acq: 01 Oct 2020 20:04

Tgt Ion: 75 Resp: 152320

Ion Ratio Lower Upper

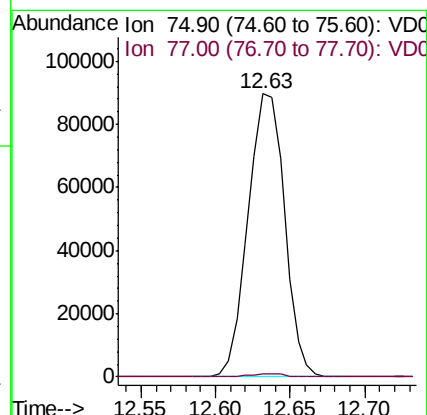
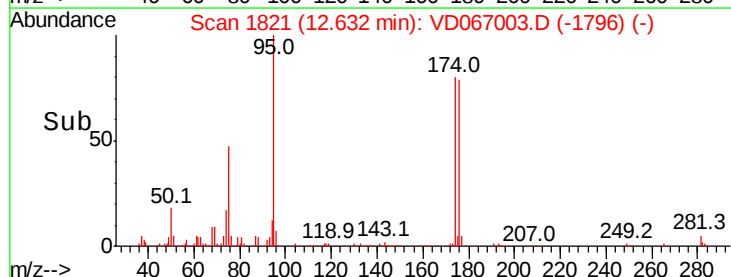
75 100

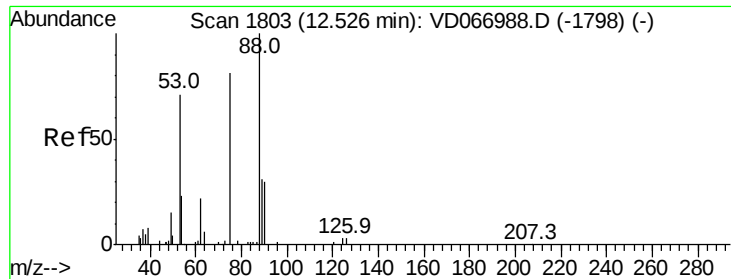
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 132.022 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067003.D

Acq: 01 Oct 2020 20:04

Instrument :

MSVOA_D

ClientSampleId :

RO-25

Tot Ion: 75 Resp: 152320

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.2 38.9 58.3#

