

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067061.D
 Acq On : 03 Oct 2020 04:16
 Operator : VA/SY
 Sample : L4247-07
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP-4

Quant Time: Oct 03 06:51:19 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	573451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	943390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	865638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	388888	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	261474	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
35) Dibromofluoromethane	7.91	113	291946	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
50) Toluene-d8	10.34	98	1090532	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.63	95	369921	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	

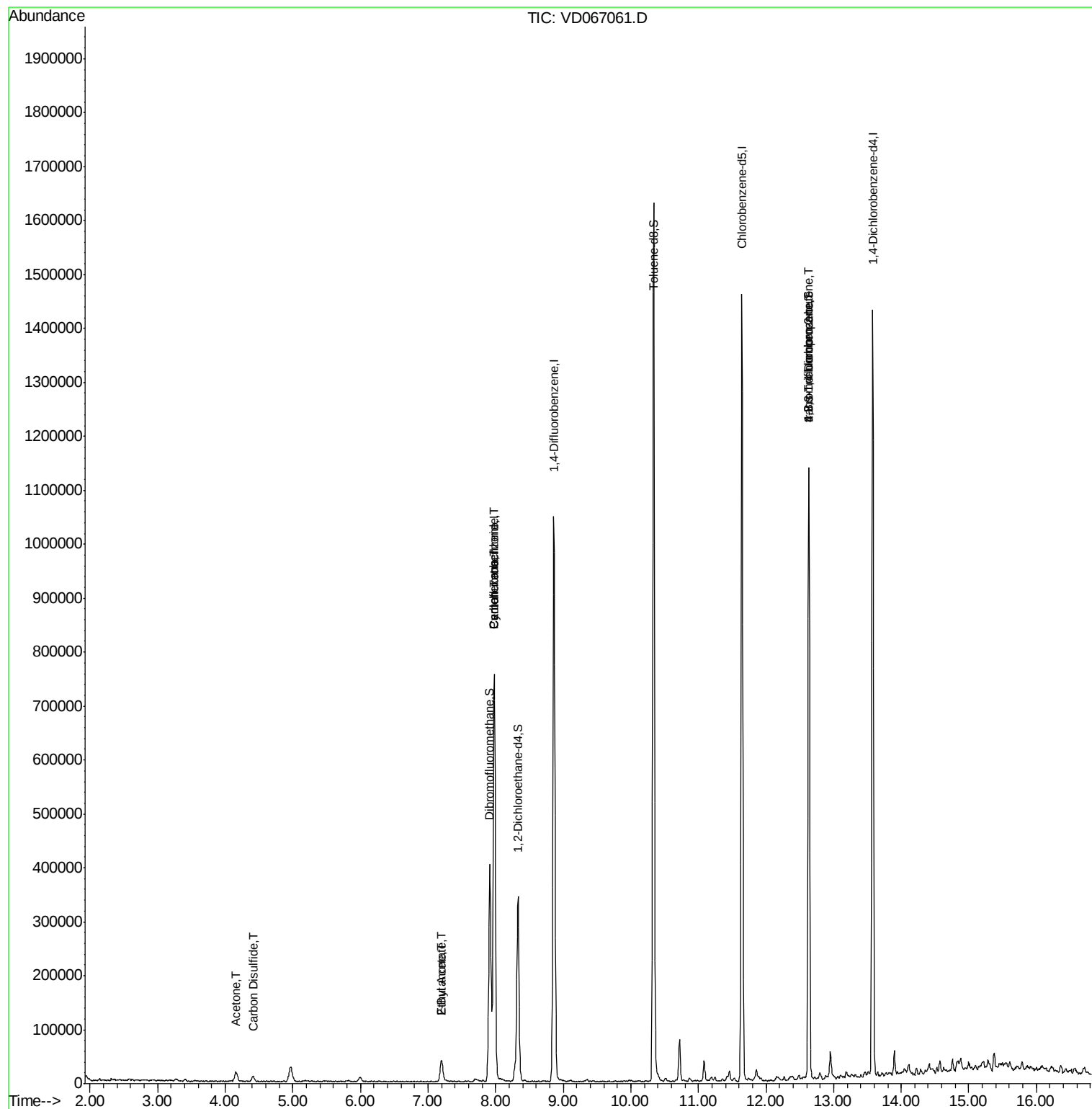
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	2266	Below Cal		92
5) Bromomethane	2.77	94	515	Below Cal	#	64
11) Tert butyl alcohol	5.21	59	433	Below Cal	#	72
16) Acetone	4.16	43	33353	39.557	ug/l	97
17) Carbon Disulfide	4.41	76	21608	1.302	ug/l #	94
20) Methylene Chloride	4.97	84	22840	Below Cal	#	75
25) 2-Butanone	7.21	43	10429	8.724	ug/l #	88
26) 2,2-Dichloropropane	7.20	77	2014	Below Cal	#	59
31) Cyclohexane	7.97	56	12310	1.484	ug/l #	1
37) Ethyl Acetate	7.21	43	10429	3.424	ug/l #	71
38) Carbon Tetrachloride	7.98	117	56244	5.911	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	179341	52.944	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	179341	131.997	ug/l #	12

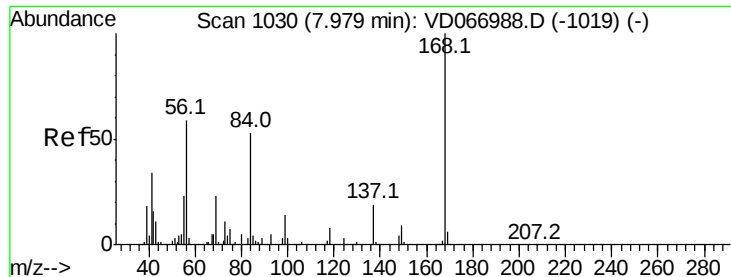
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067061.D

Acq: 03 Oct 2020 04:16

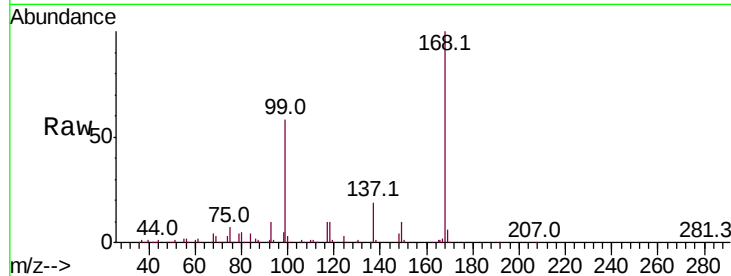
Instrument :
MSVOA_D
ClientSampleId :
DUP-4

Tot Ion:168 Resp: 573451

Ion Ratio Lower Upper

168 100

99 58.0 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

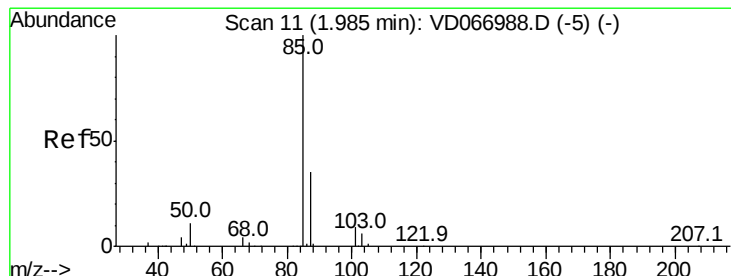
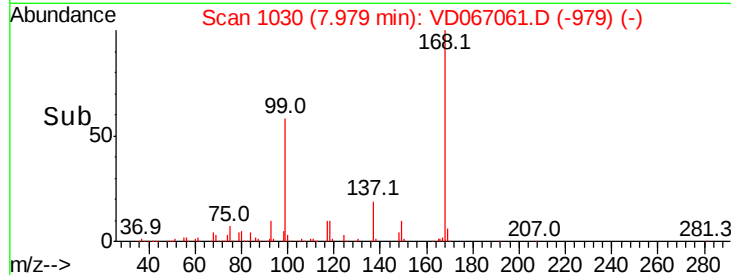
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067061.D

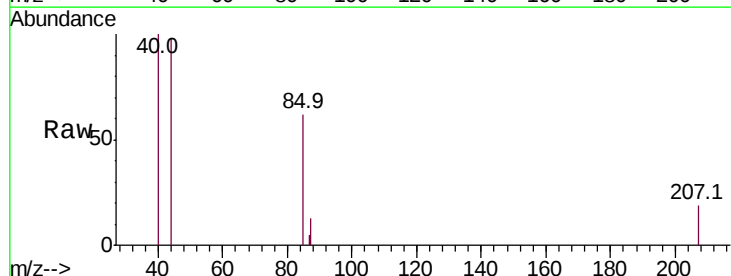
Acq: 03 Oct 2020 04:16

Tgt Ion: 85 Resp: 2266

Ion Ratio Lower Upper

85 100

87 30.1 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

2000

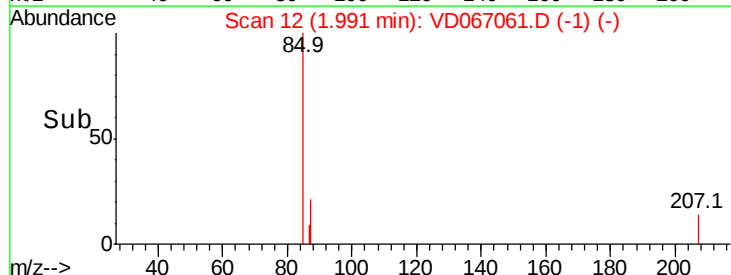
1500

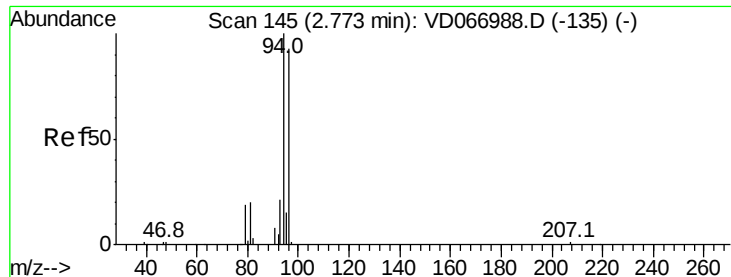
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067061.D

Acq: 03 Oct 2020 04:16

Instrument :

MSVOA_D

ClientSampleID :

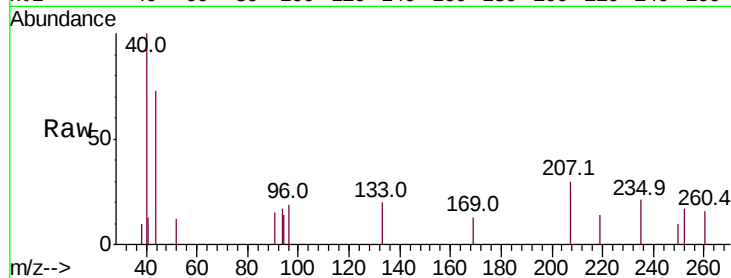
DUP-4

Tot Ion: 94 Resp: 515

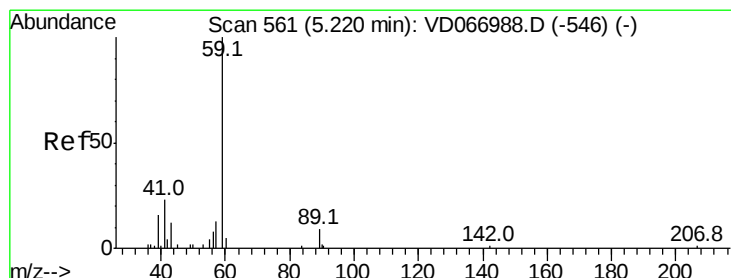
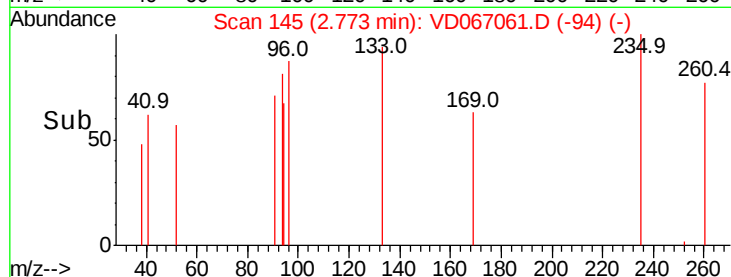
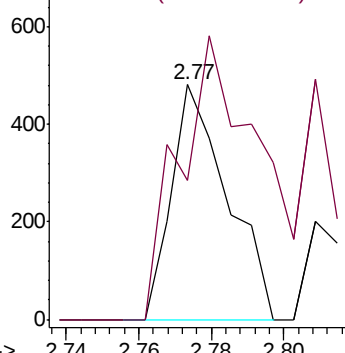
Ion Ratio Lower Upper

94 100

96 59.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067061.D

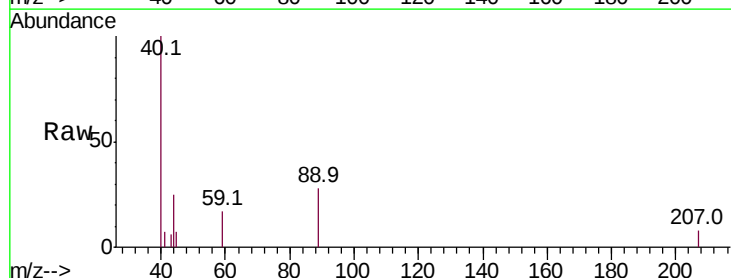
Acq: 03 Oct 2020 04:16

Tgt Ion: 59 Resp: 433

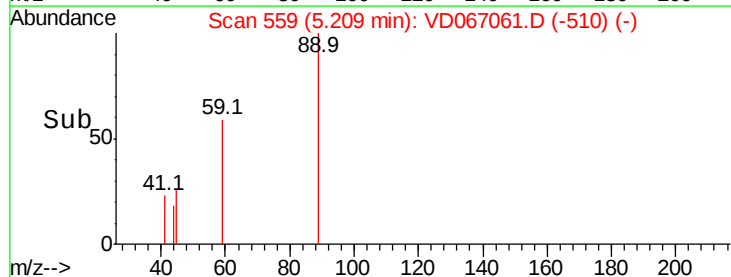
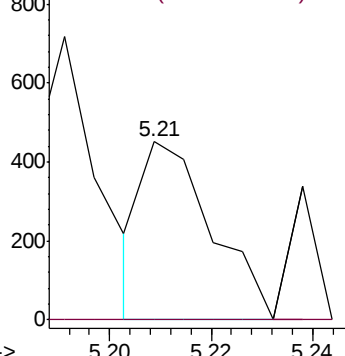
Ion Ratio Lower Upper

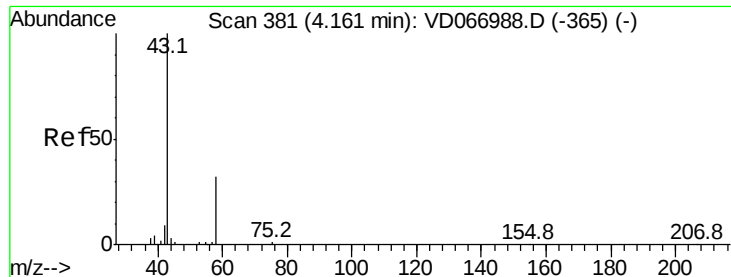
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC





#16

Acetone

Concen: 39.557 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067061.D

Acq: 03 Oct 2020 04:16

Instrument :

MSVOA_D

ClientSampleId :

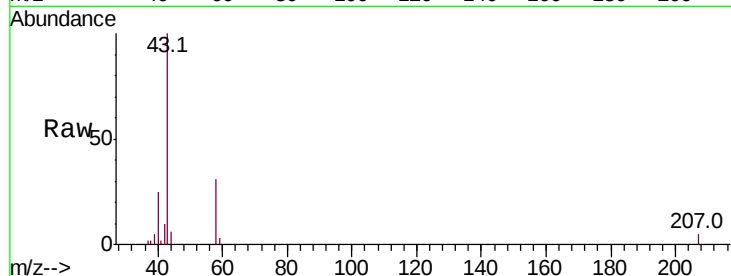
DUP-4

Tot Ion: 43 Resp: 33353

Ion Ratio Lower Upper

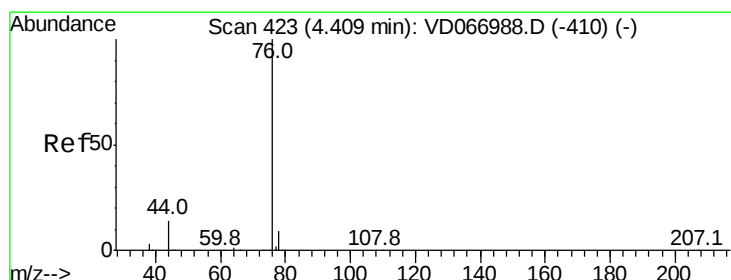
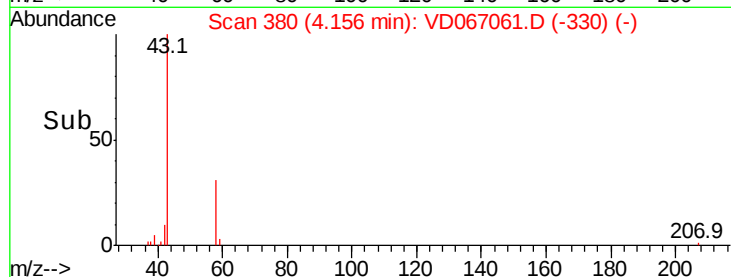
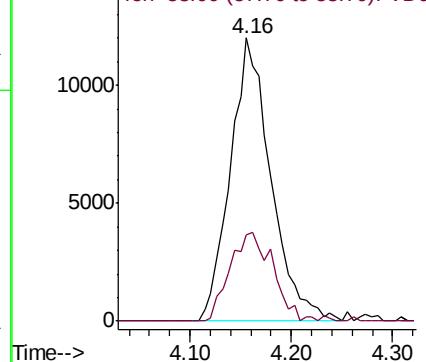
43 100

58 30.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 1.302 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067061.D

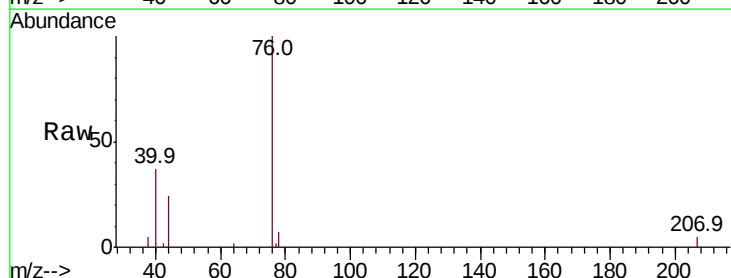
Acq: 03 Oct 2020 04:16

Tgt Ion: 76 Resp: 21608

Ion Ratio Lower Upper

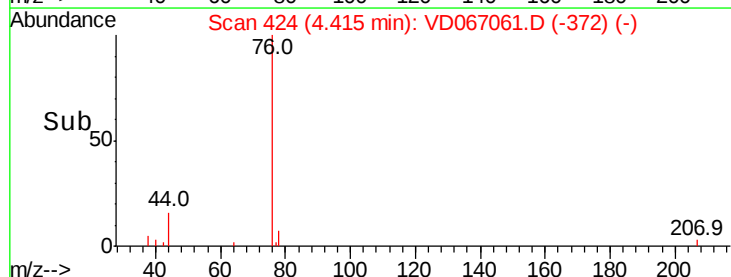
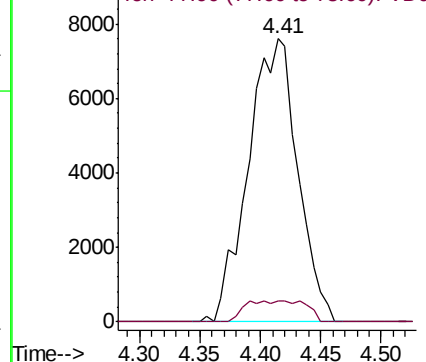
76 100

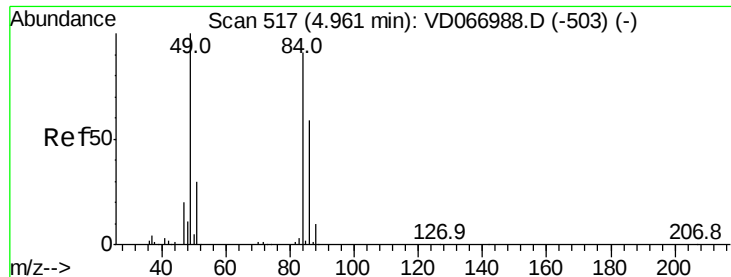
78 7.3 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

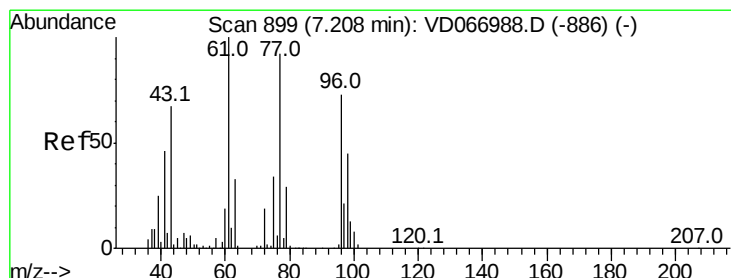
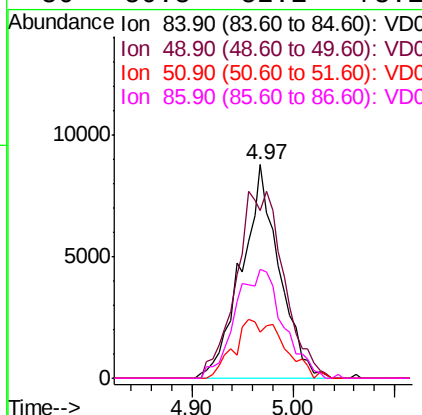
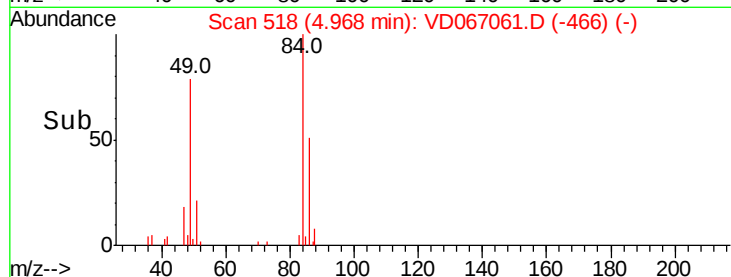
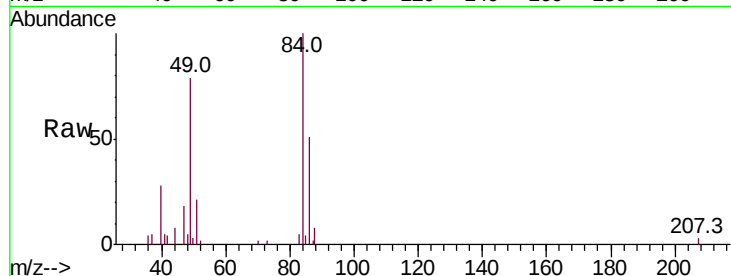




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067061.D
Acq: 03 Oct 2020 04:16

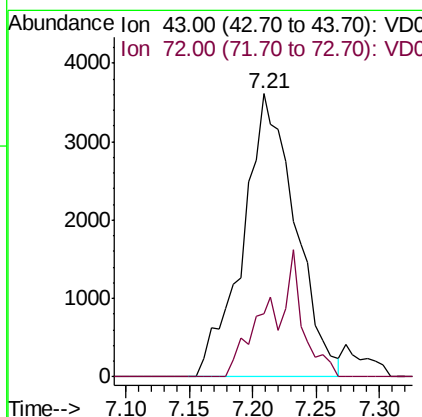
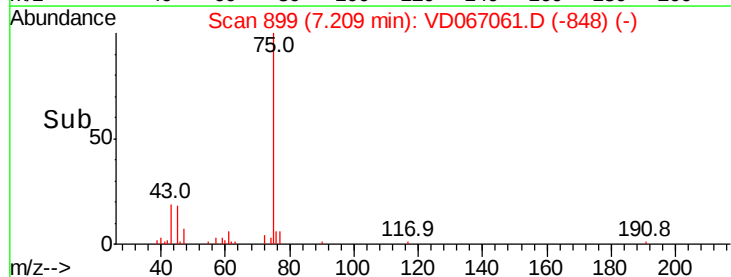
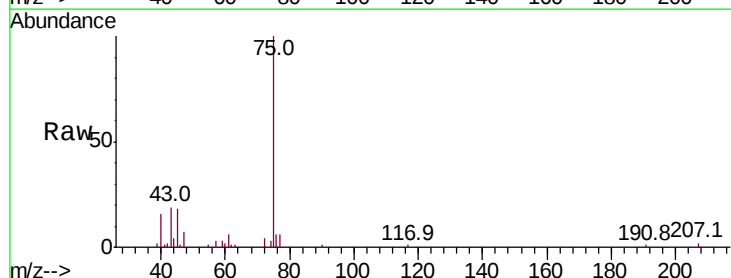
Instrument :
MSVOA_D
ClientSampleId :
DUP-4

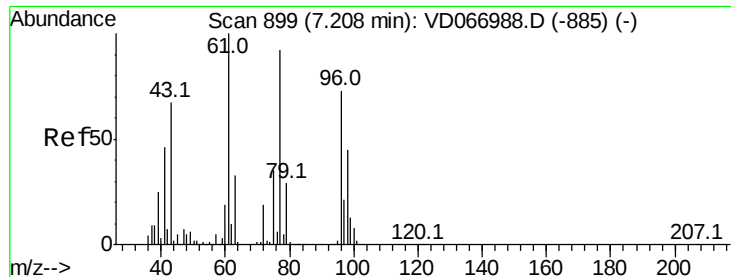
Tot Ion: 84 Resp: 22840
Ion Ratio Lower Upper
84 100
49 78.8 88.2 132.2#
51 21.4 26.6 39.8#
86 50.8 52.1 78.1#



#25
2-Butanone
Concen: 8.724 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067061.D
Acq: 03 Oct 2020 04:16

Tgt Ion: 43 Resp: 10429
Ion Ratio Lower Upper
43 100
72 22.3 22.8 34.2#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD067061.D

Acq: 03 Oct 2020 04:16

Instrument :

MSVOA_D

ClientSampled :

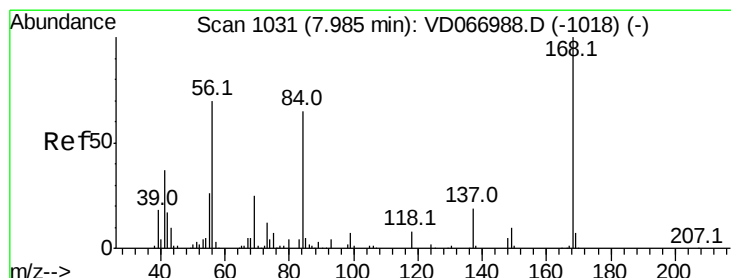
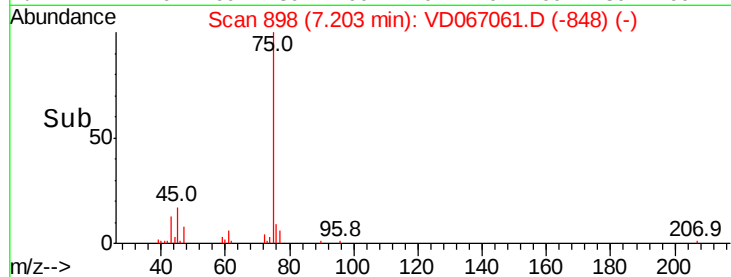
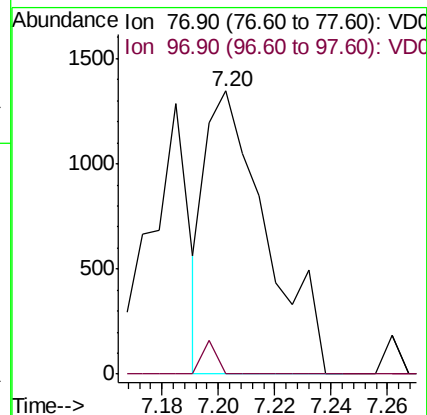
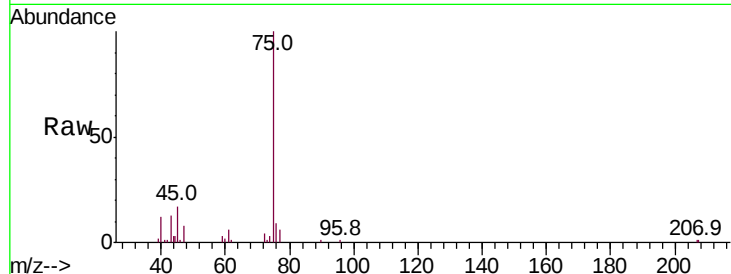
DUP-4

Tot Ion: 77 Resp: 2014

Ion Ratio Lower Upper

77 100

97 2.8 11.4 34.2#



#31

Cyclohexane

Concen: 1.484 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD067061.D

Acq: 03 Oct 2020 04:16

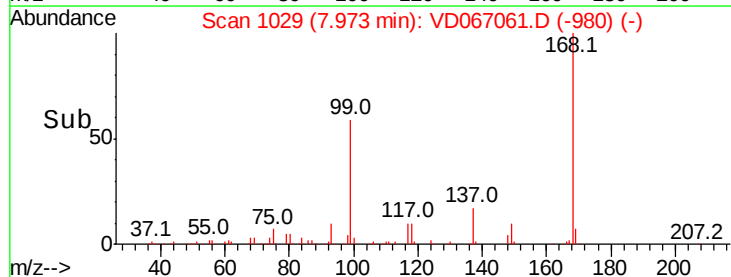
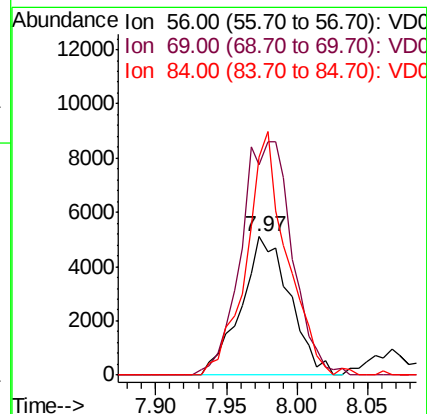
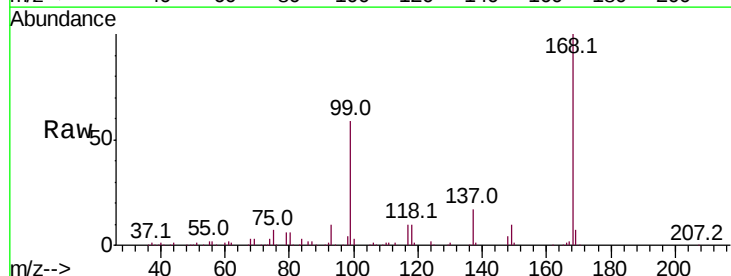
Tgt Ion: 56 Resp: 12310

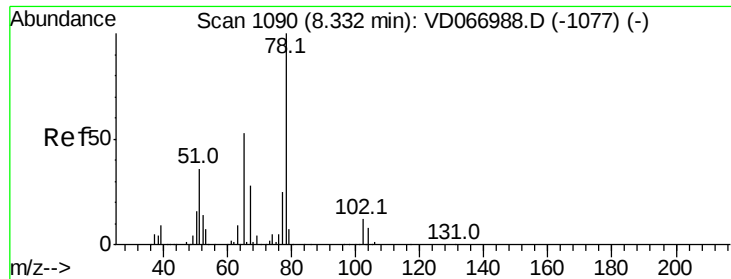
Ion Ratio Lower Upper

56 100

69 152.2 29.0 43.6#

84 157.4 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 47.339 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067061.D

Acq: 03 Oct 2020 04:16

Instrument :

MSVOA_D

ClientSampleId :

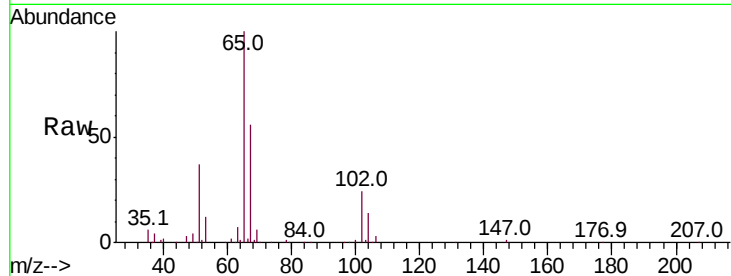
DUP-4

Tot Ion: 65 Resp: 261474

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

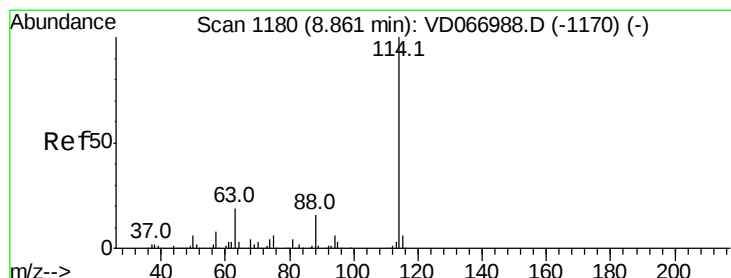
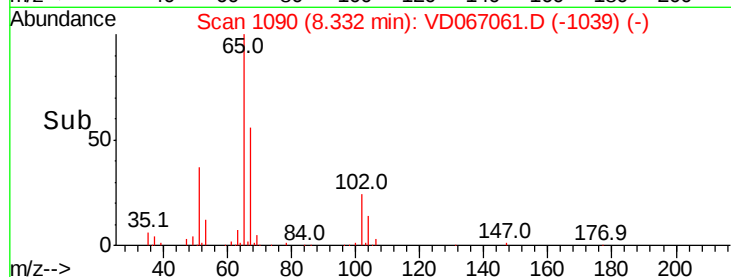
100000

50000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067061.D

Acq: 03 Oct 2020 04:16

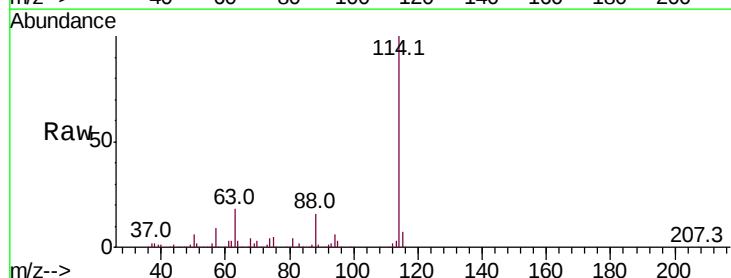
Tgt Ion: 114 Resp: 943390

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.9 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

600000

500000

400000

300000

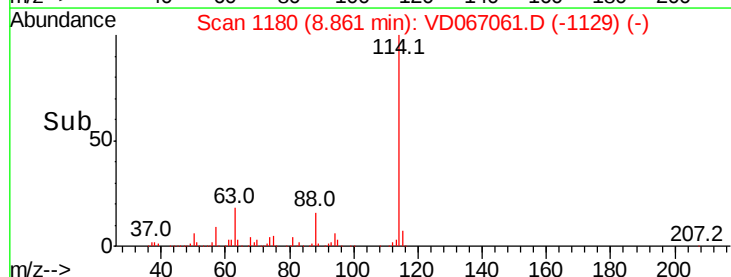
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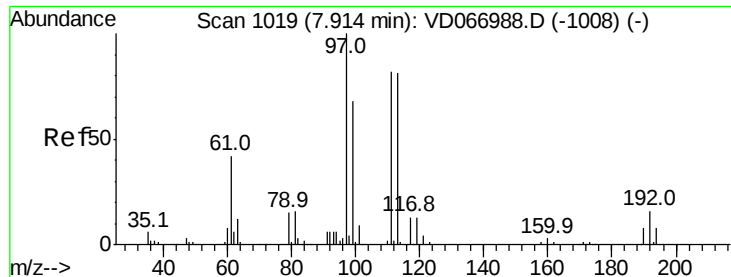
100000

0

8.80 8.90 9.00

Time-->

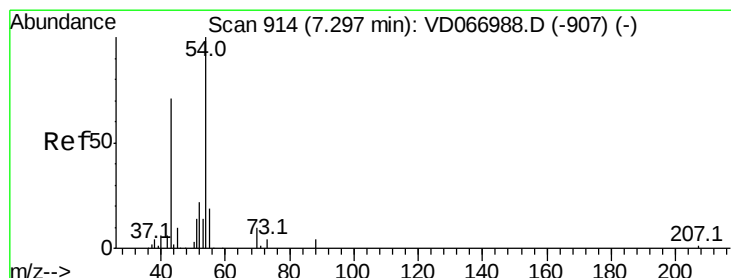
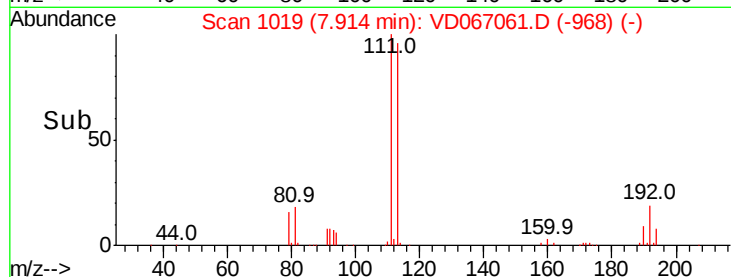
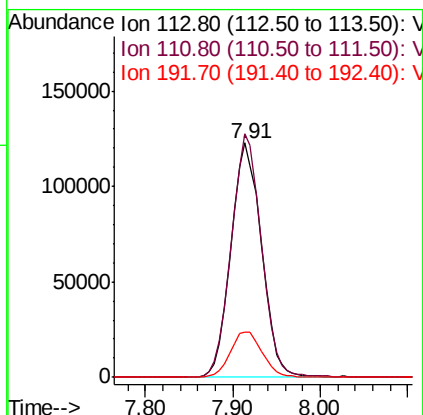
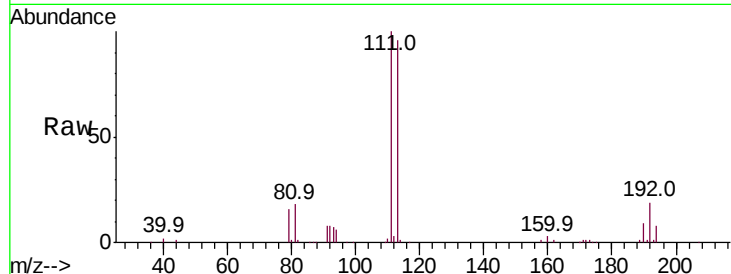




#35
Dibromofluoromethane
Concen: 47.270 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067061.D
Acq: 03 Oct 2020 04:16

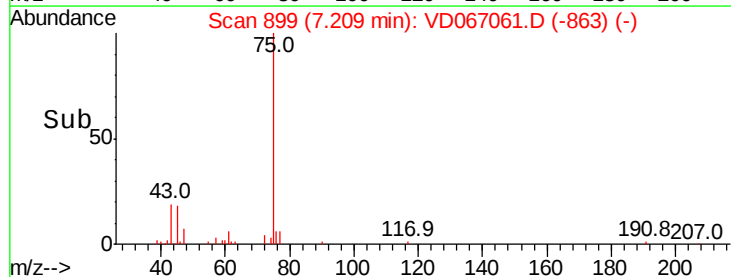
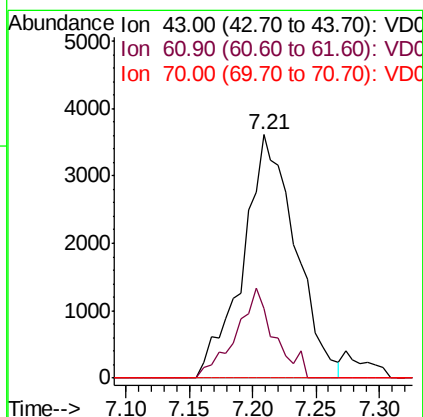
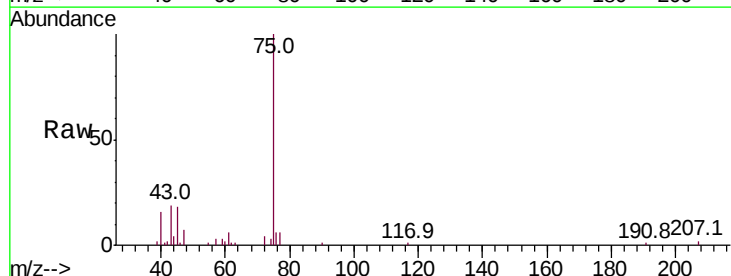
Instrument :
MSVOA_D
ClientSampled :
DUP-4

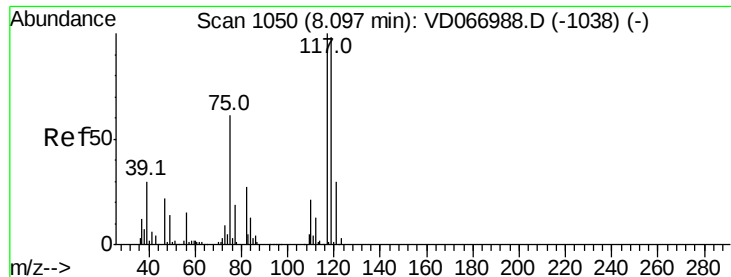
Tot Ion:113 Resp: 291946
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.4
192 20.2 15.5 23.3



#37
Ethyl Acetate
Concen: 3.424 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.09 min
Lab File: VD067061.D
Acq: 03 Oct 2020 04:16

Tgt Ion: 43 Resp: 10429
Ion Ratio Lower Upper
43 100
61 27.2 12.5 18.7#
70 0.0 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 5.911 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067061.D

Acq: 03 Oct 2020 04:16

Instrument :

MSVOA_D

ClientSampleId :

DUP-4

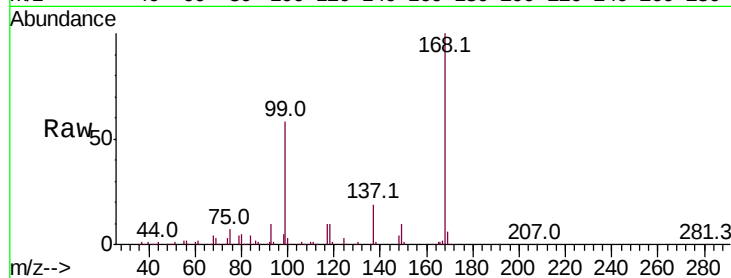
Tot Ion:117 Resp: 56244

Ion Ratio Lower Upper

117 100

119 7.1 78.7 118.1#

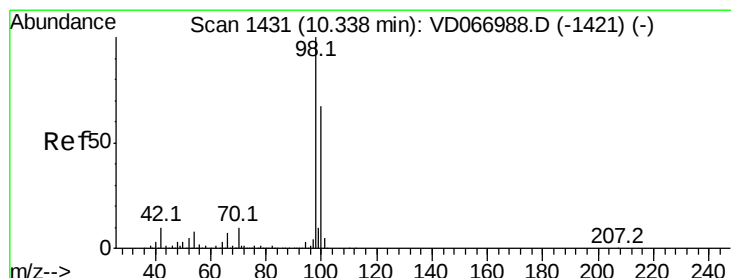
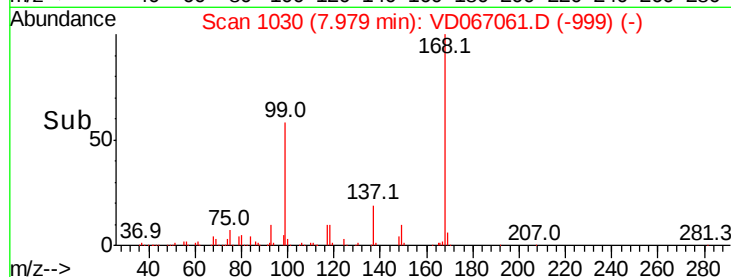
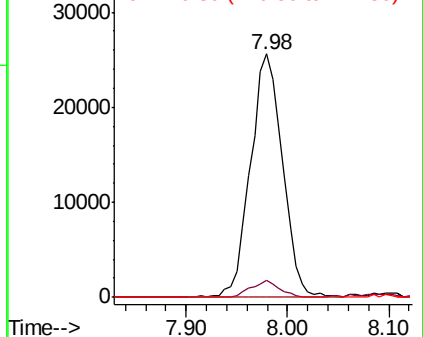
121 0.0 24.2 36.2#



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: 48.457 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067061.D

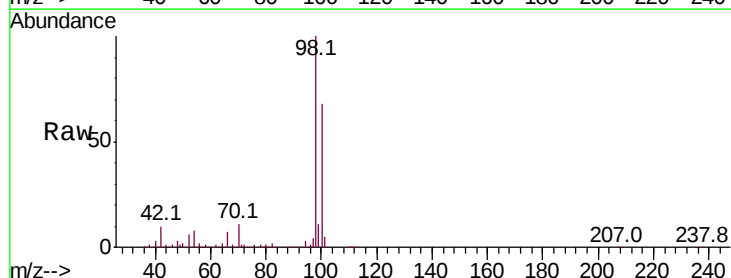
Acq: 03 Oct 2020 04:16

Tgt Ion: 98 Resp: 1090532

Ion Ratio Lower Upper

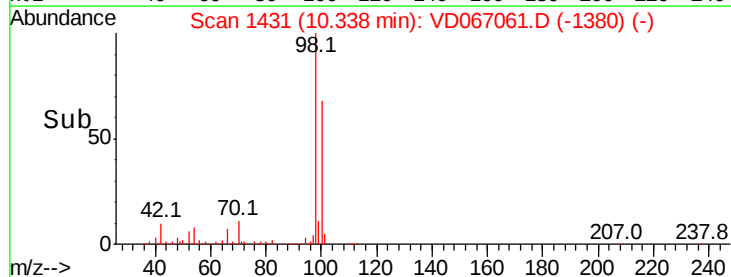
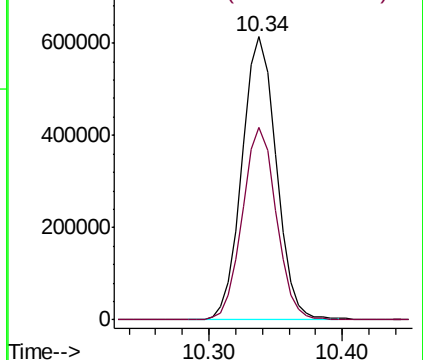
98 100

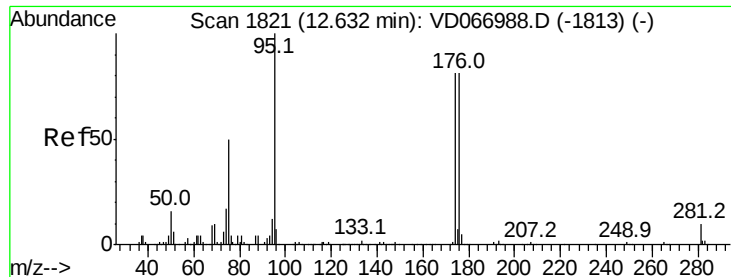
100 67.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

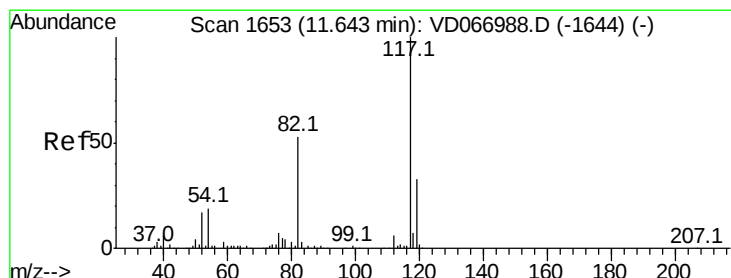
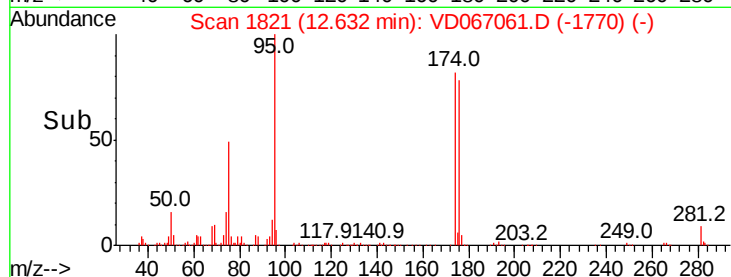
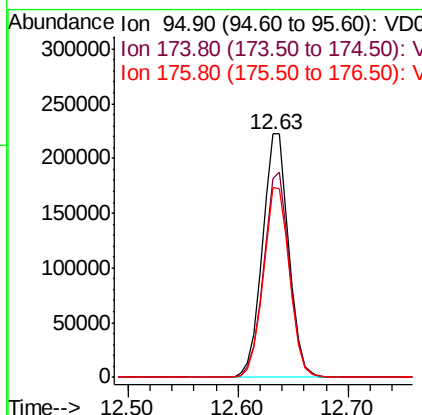
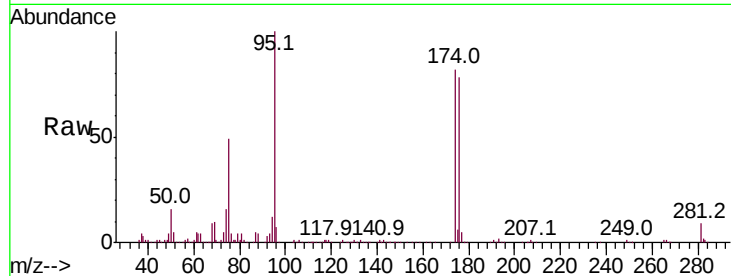




#62
4-Bromofluorobenzene
Concen: 48.419 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD067061.D
Acq: 03 Oct 2020 04:16

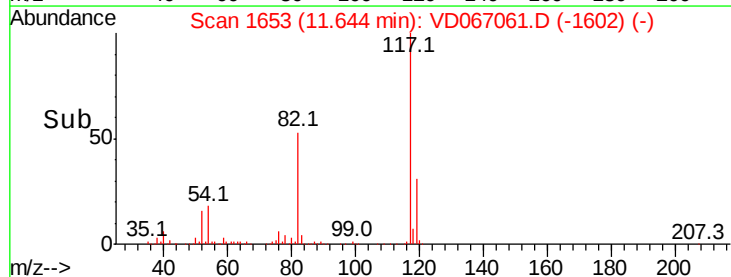
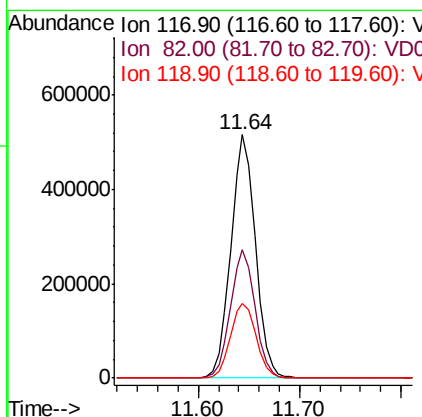
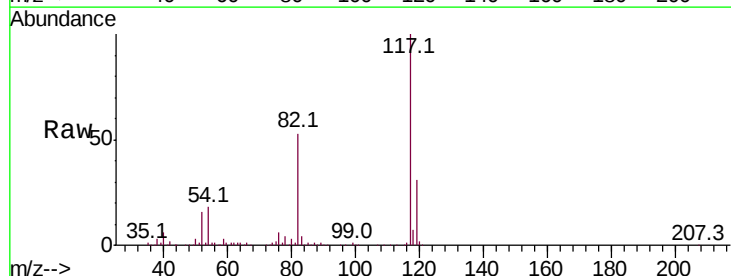
Instrument :
MSVOA_D
ClientSampleId :
DUP-4

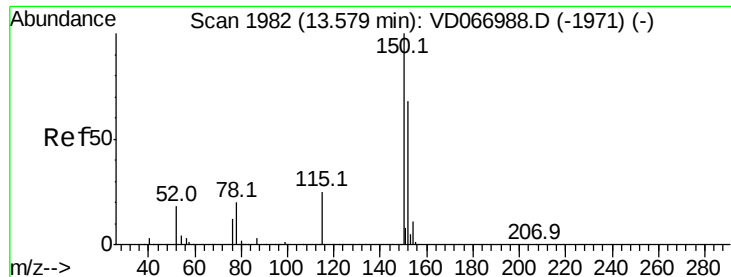
Tot Ion: 95 Resp: 369921
Ion Ratio Lower Upper
95 100
174 82.5 0.0 167.6
176 78.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067061.D
Acq: 03 Oct 2020 04:16

Tgt Ion: 117 Resp: 865638
Ion Ratio Lower Upper
117 100
82 52.7 42.6 63.8
119 30.8 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: VD067061.D

Acq: 03 Oct 2020 04:16

Instrument :

MSVOA_D

ClientSampleId :

DUP-4

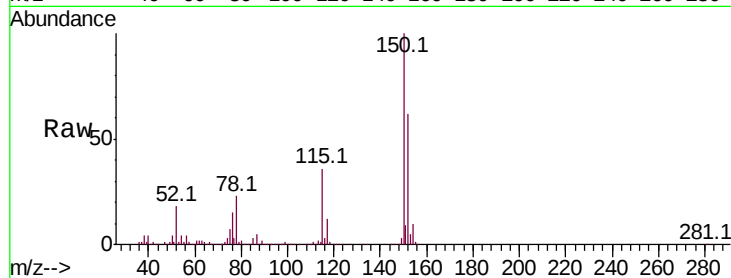
Tot Ion:152 Resp: 388888

Ion Ratio Lower Upper

152 100

115 58.7 29.6 88.8

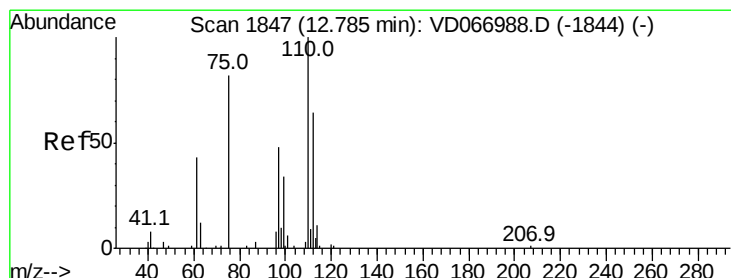
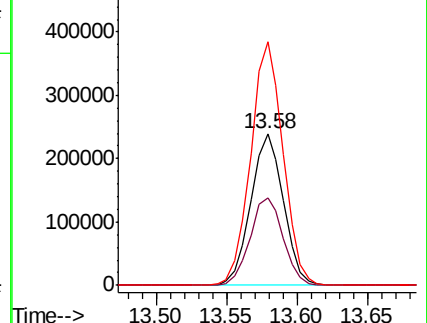
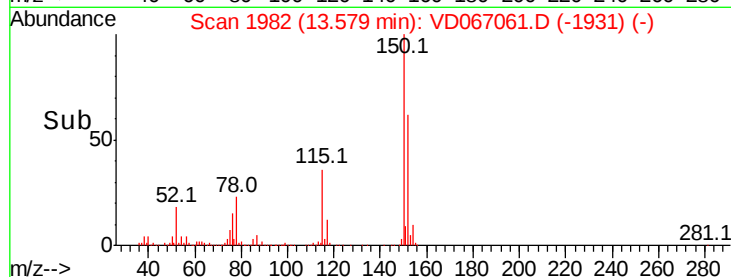
150 159.0 0.0 344.8



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: 52.944 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD067061.D

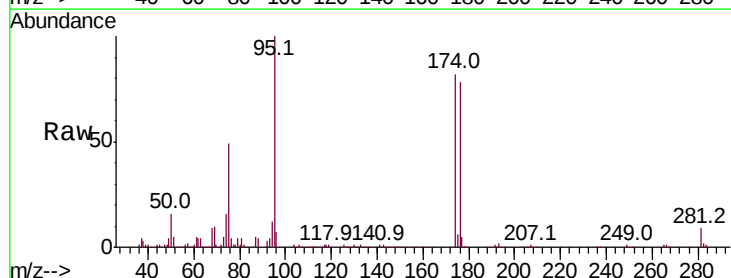
Acq: 03 Oct 2020 04:16

Tgt Ion: 75 Resp: 179341

Ion Ratio Lower Upper

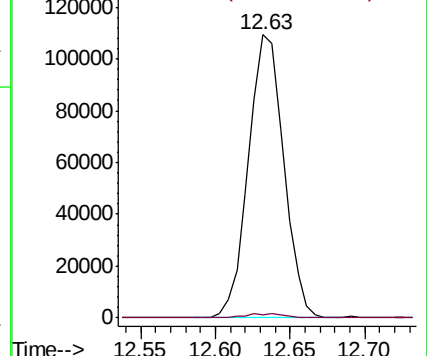
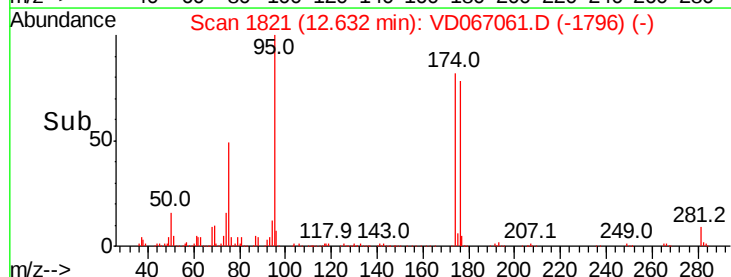
75 100

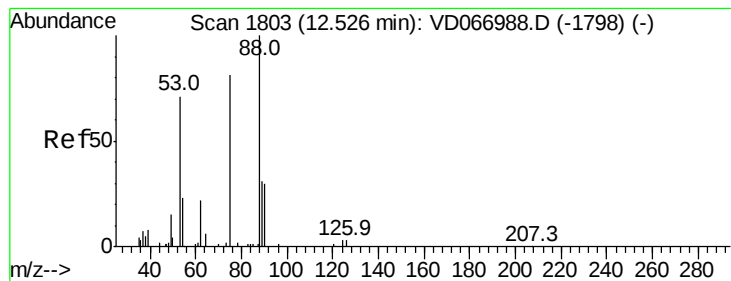
77 1.7 0.0 0.0#



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: 131.997 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.11 min

Lab File: VD067061.D

Acq: 03 Oct 2020 04:16

Instrument :

MSVOA_D

ClientSampleId :

DUP-4

Tot Ion: 75 Resp: 179341

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.2 38.9 58.3#

