

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067065.D
 Acq On : 03 Oct 2020 06:06
 Operator : VA/SY
 Sample : L4221-01
 Misc : 7.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-100120

Quant Time: Oct 03 06:51:48 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	553104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	922058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	826048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	366869	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	261205	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	7.91	113	291762	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	10.34	98	1080670	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.64	95	344811	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

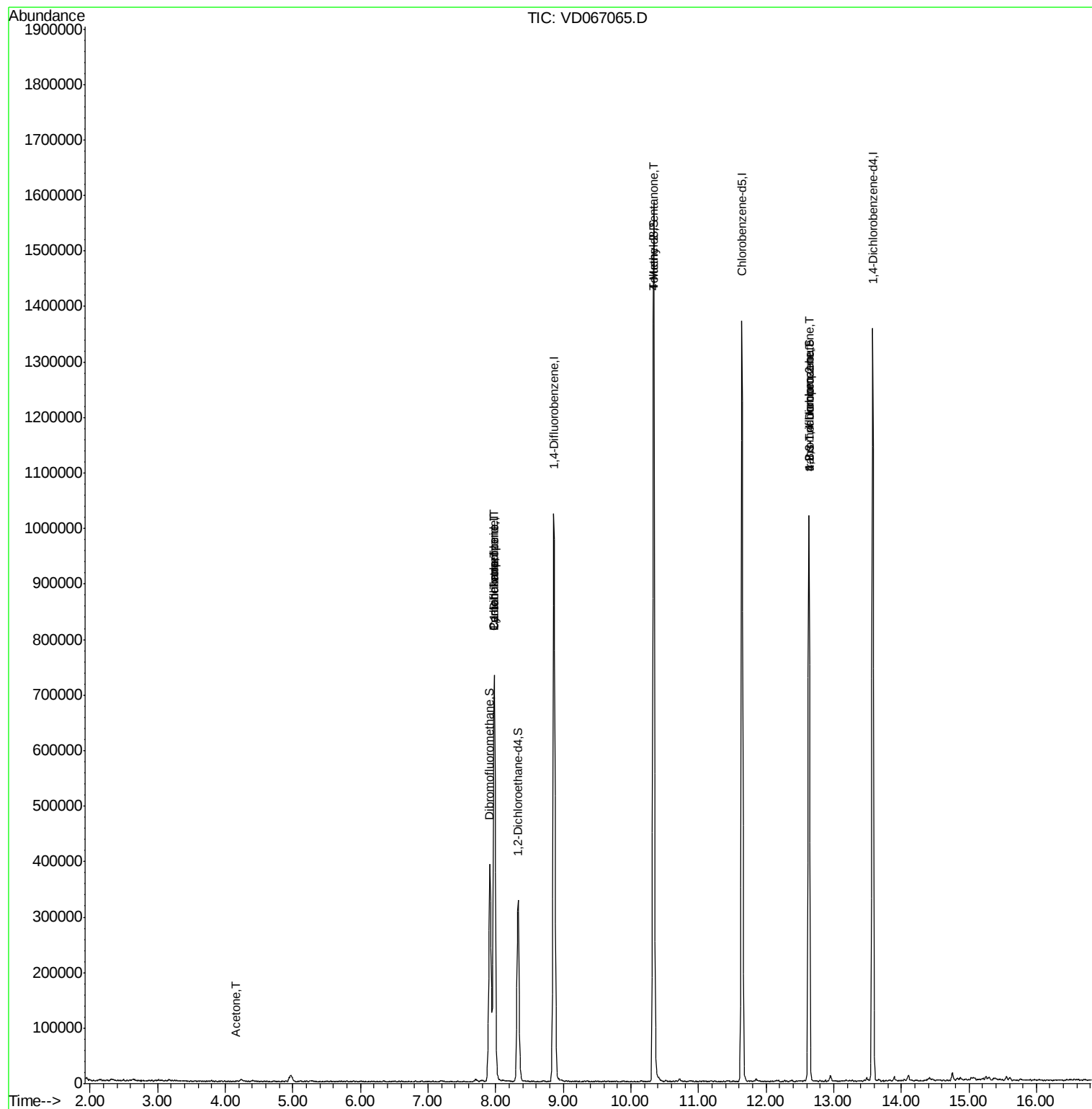
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	493	Below Cal	#	40
5) Bromomethane	2.79	94	166	Below Cal	#	49
11) Tert butyl alcohol	5.21	59	56	Below Cal	#	72
16) Acetone	4.16	43	999	1.228	ug/l #	42
20) Methylene Chloride	4.96	84	4062	Below Cal	#	79
26) 2,2-Dichloropropane	7.19	77	72	Below Cal	#	53
31) Cyclohexane	7.98	56	11068	1.383	ug/l #	16
36) 1,1-Dichloropropene	7.98	75	40373	4.697	ug/l #	49
38) Carbon Tetrachloride	7.98	117	55094	5.925	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	4484	1.641	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	167534	52.427	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	167534	130.708	ug/l #	12

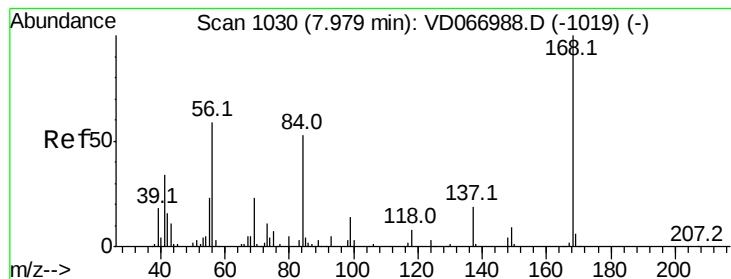
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
Data File : VD067065.D
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OK-02-100120

Quant Time: Oct 03 06:51:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
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: VD067065.D

Acq: 03 Oct 2020 06:06

Instrument :

MSVOA_D

ClientSampleId :

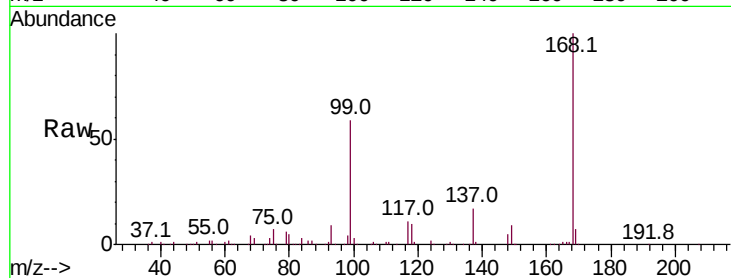
OK-02-100120

Tot Ion:168 Resp: 553104

Ion Ratio Lower Upper

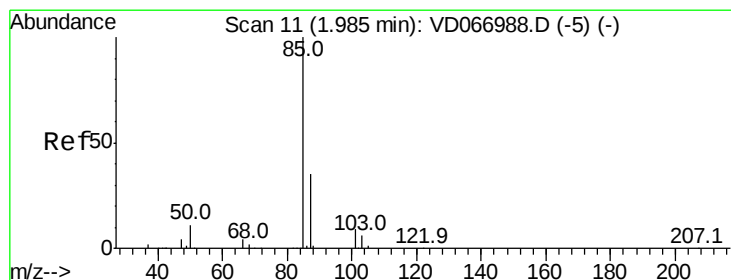
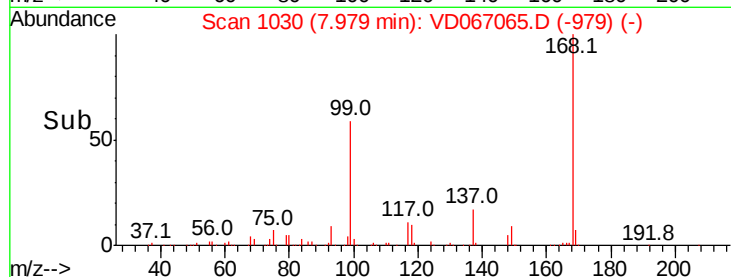
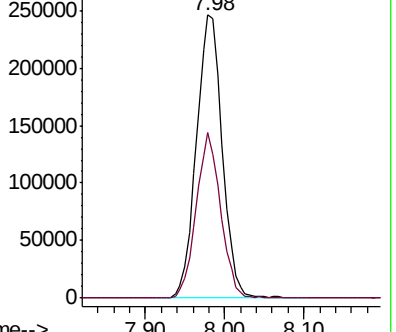
168 100

99 58.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067065.D

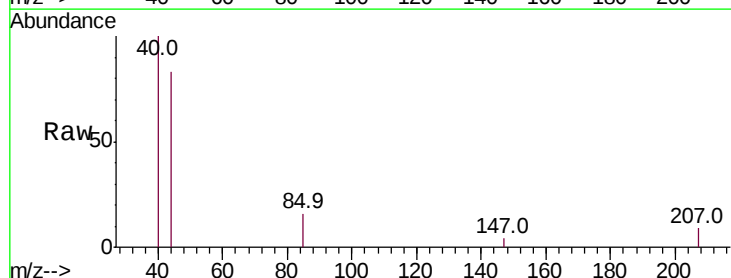
Acq: 03 Oct 2020 06:06

Tgt Ion: 85 Resp: 493

Ion Ratio Lower Upper

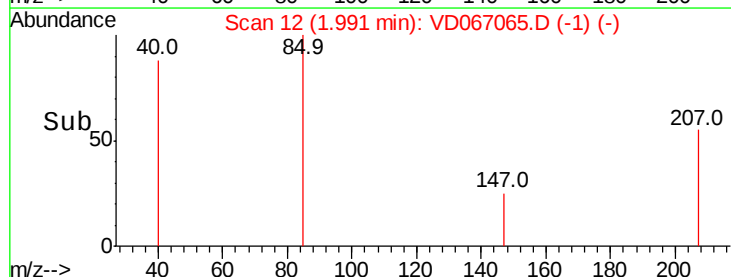
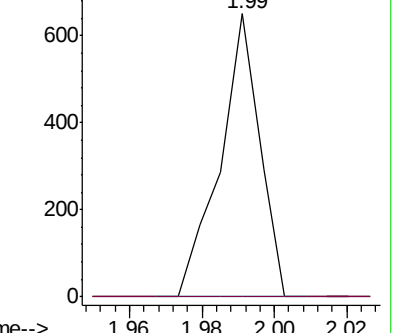
85 100

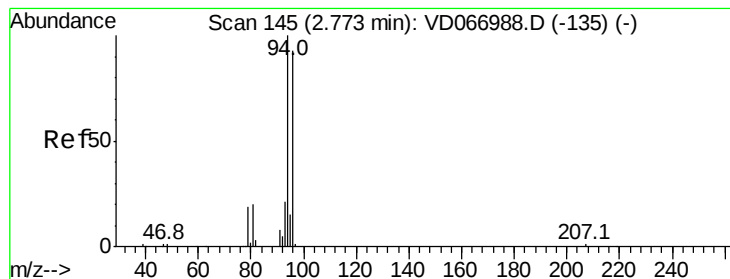
87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

Instrument :

MSVOA_D

ClientSampleId :

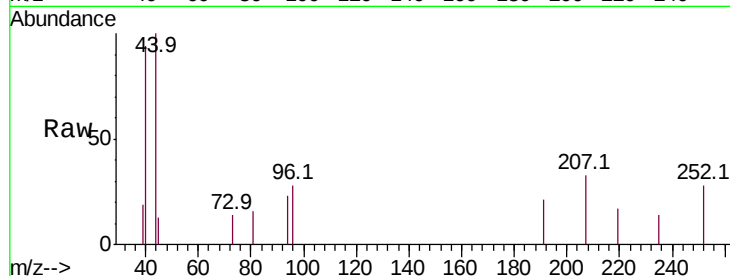
OK-02-100120

Tot Ion: 94 Resp: 166

Ion Ratio Lower Upper

94 100

96 44.4 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

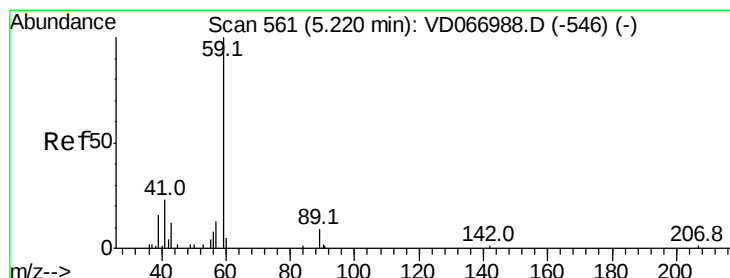
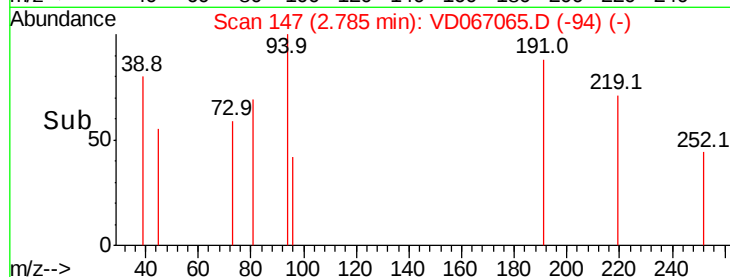
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067065.D

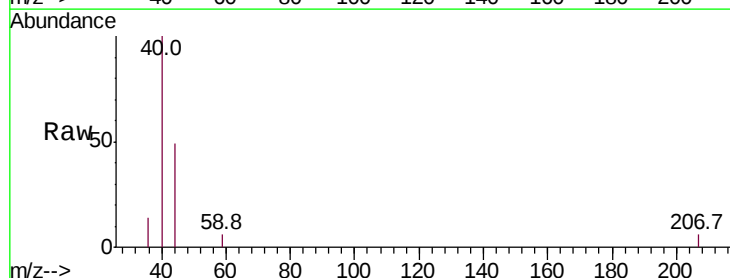
Acq: 03 Oct 2020 06:06

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

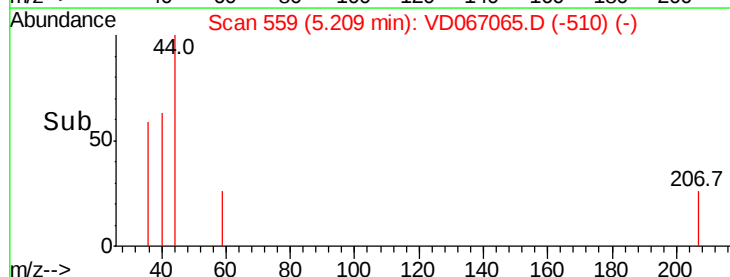
150

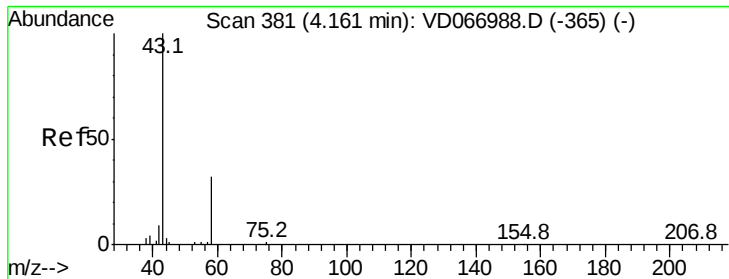
100

50

0

Time-->





#16

Acetone

Concen: 1.228 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

Instrument :

MSVOA_D

ClientSampleId :

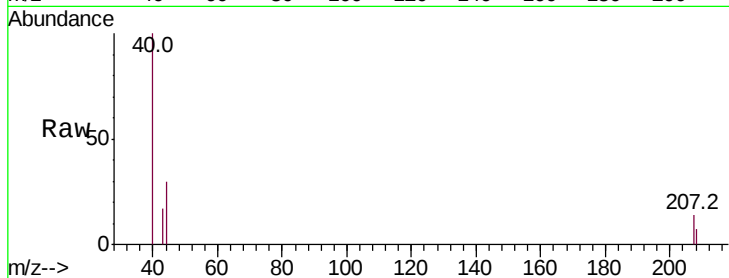
OK-02-100120

Tot Ion: 43 Resp: 999

Ion Ratio Lower Upper

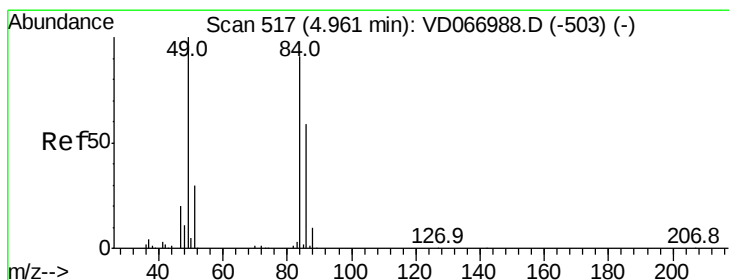
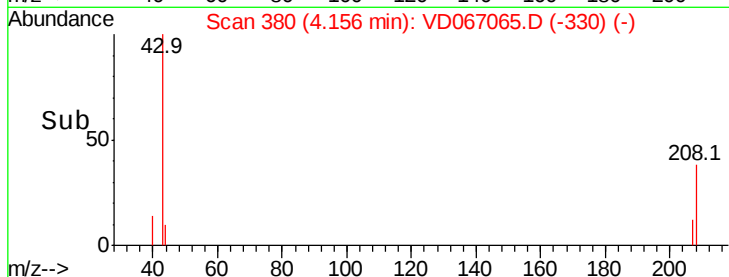
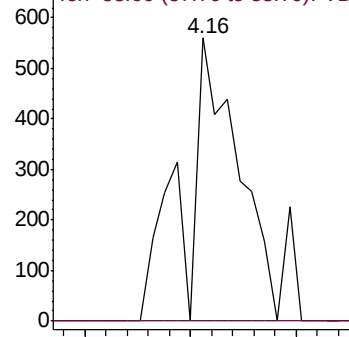
43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

Tgt Ion: 84 Resp: 4062

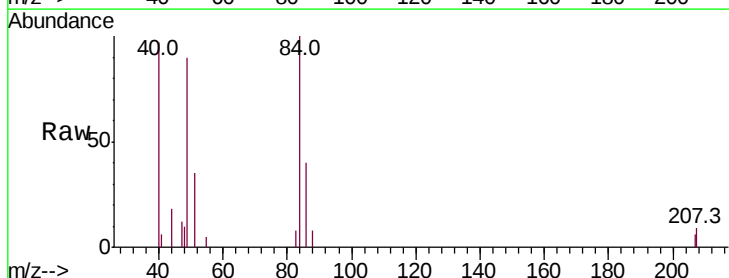
Ion Ratio Lower Upper

84 100

49 89.5 88.2 132.2

51 34.9 26.6 39.8

86 40.0 52.1 78.1#

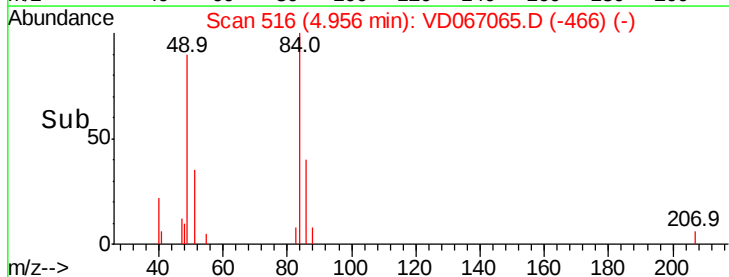
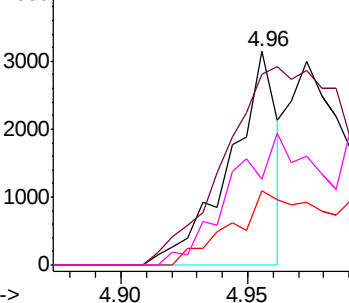


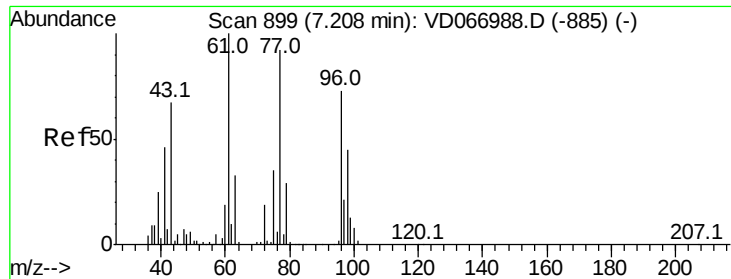
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

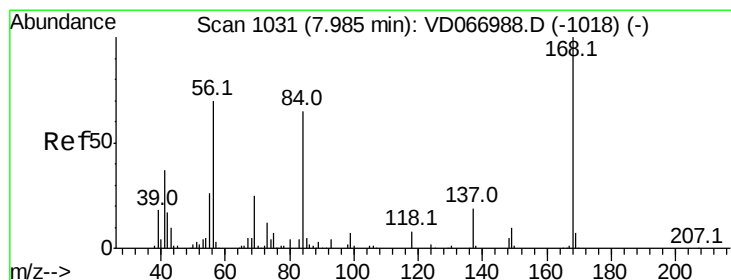
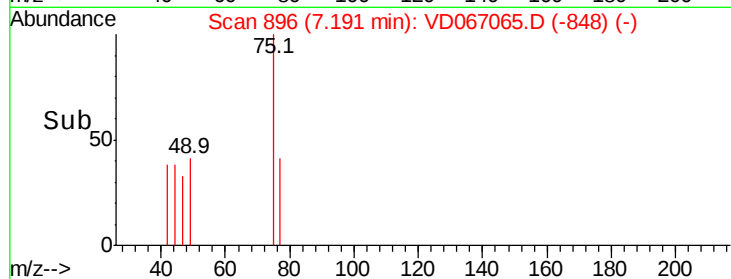
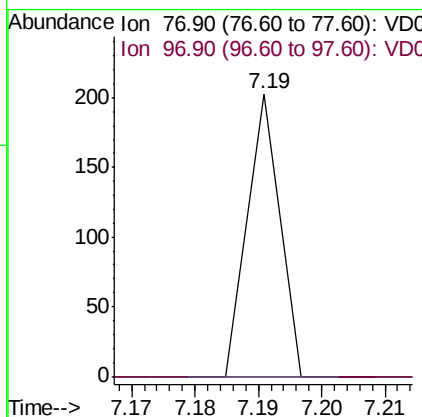
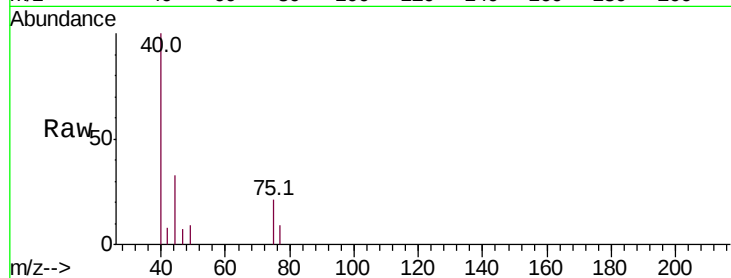




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067065.D
Acq: 03 Oct 2020 06:06

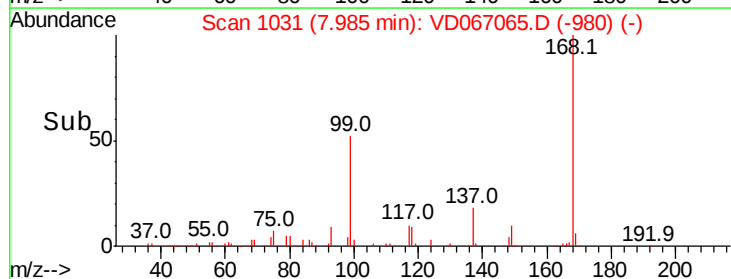
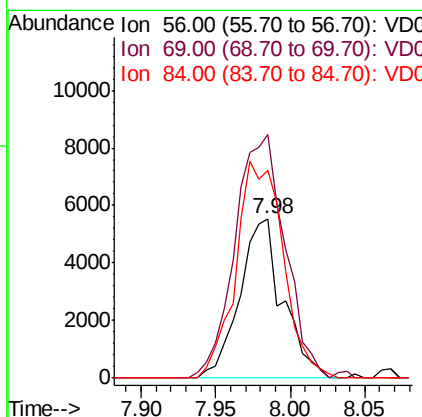
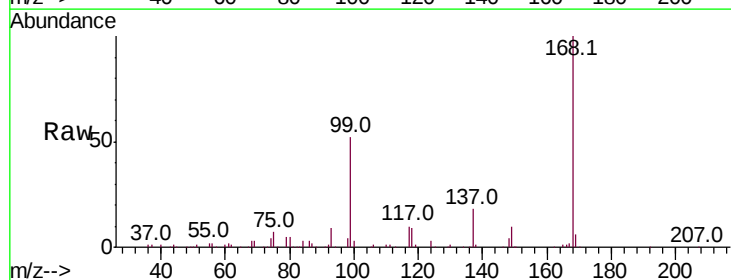
Instrument :
MSVOA_D
ClientSampleId :
OK-02-100120

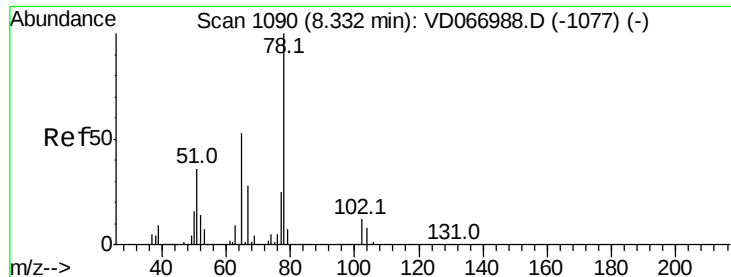
Tot Ion: 77 Resp: 72
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.383 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067065.D
Acq: 03 Oct 2020 06:06

Tgt Ion: 56 Resp: 11068
Ion Ratio Lower Upper
56 100
69 152.9 29.0 43.6#
84 130.9 74.2 111.2#

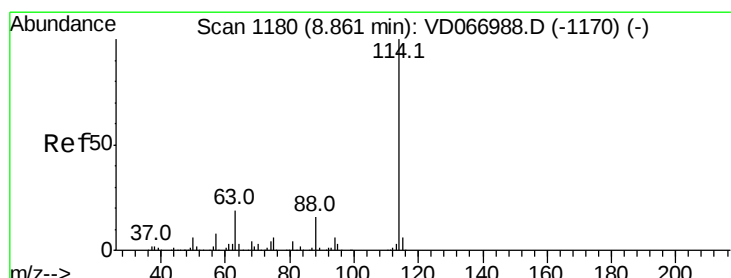
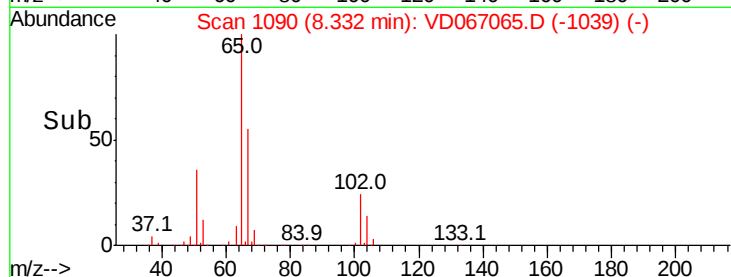
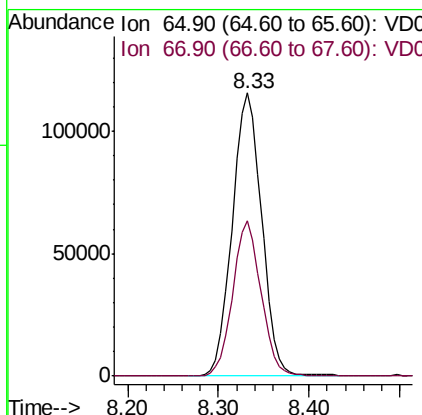
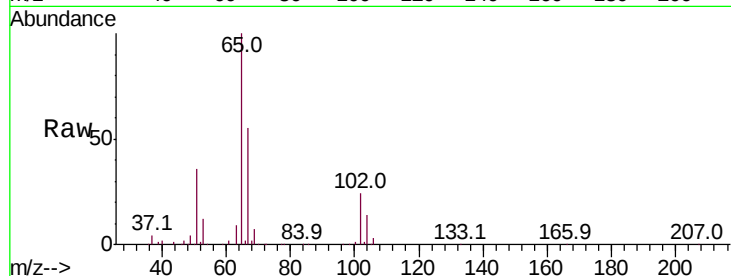




#33
 1,2-Dichloroethane-d4
 Concen: 49.030 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067065.D
 Acq: 03 Oct 2020 06:06

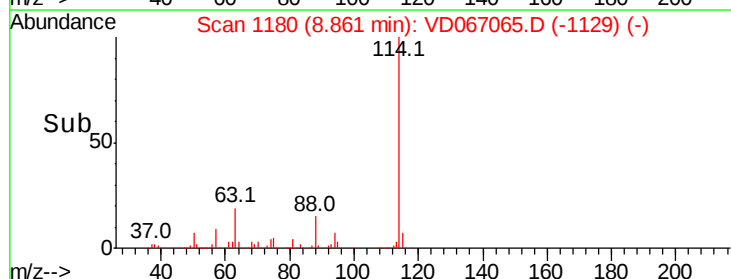
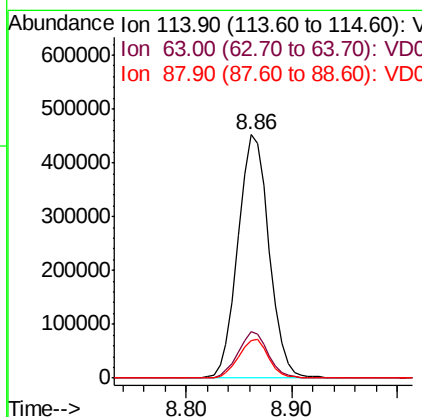
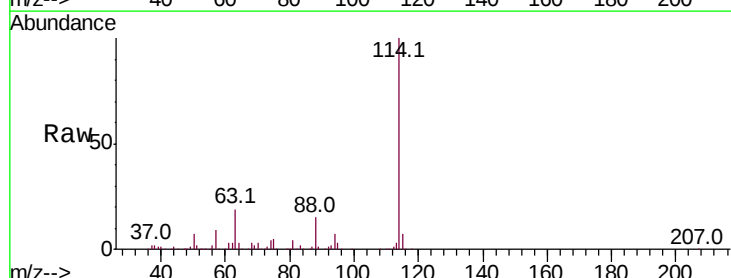
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-100120

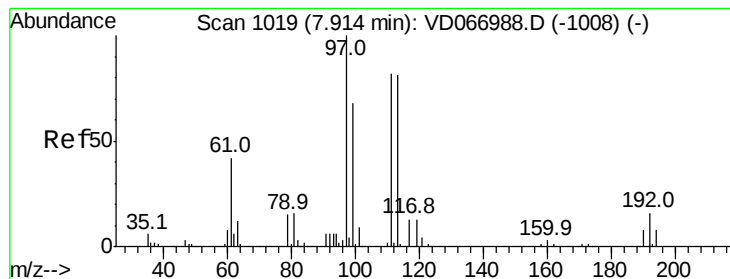
Tot Ion: 65 Resp: 261205
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD067065.D
 Acq: 03 Oct 2020 06:06

Tgt Ion: 114 Resp: 922058
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.4
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.333 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

Instrument :

MSVOA_D

ClientSampleId :

OK-02-100120

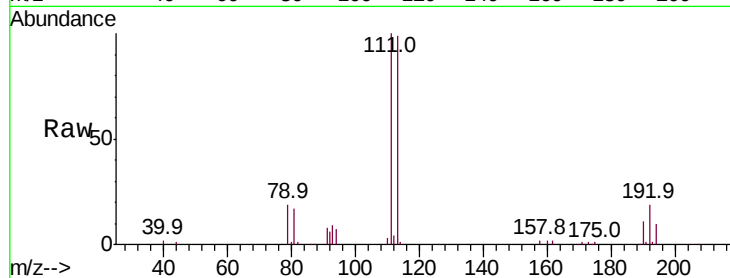
Tot Ion:113 Resp: 291762

Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.4

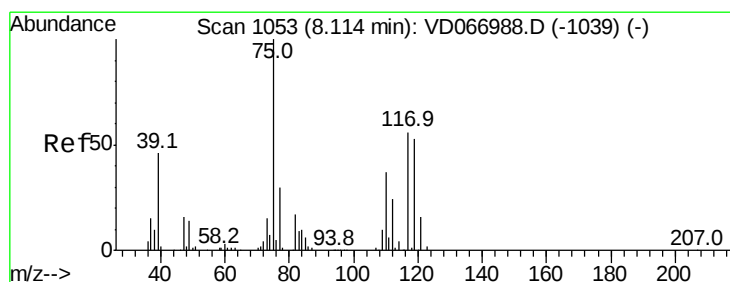
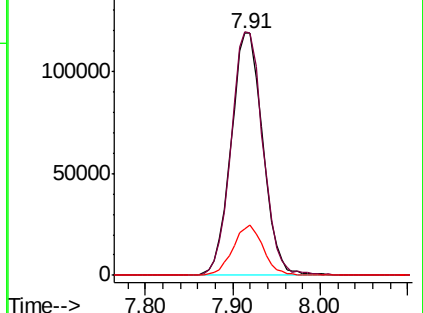
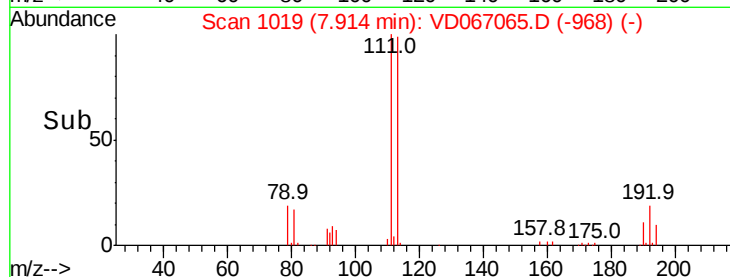
192 19.8 15.5 23.3



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



#36

1,1-Dichloropropene

Concen: 4.697 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

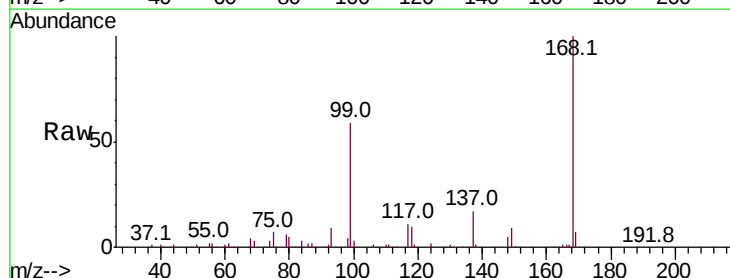
Tgt Ion: 75 Resp: 40373

Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.0#

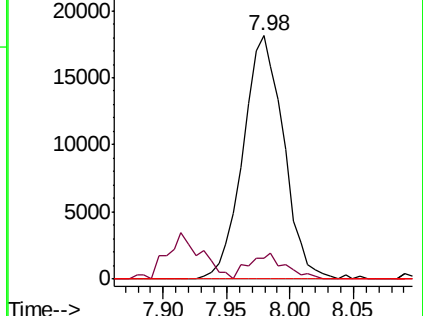
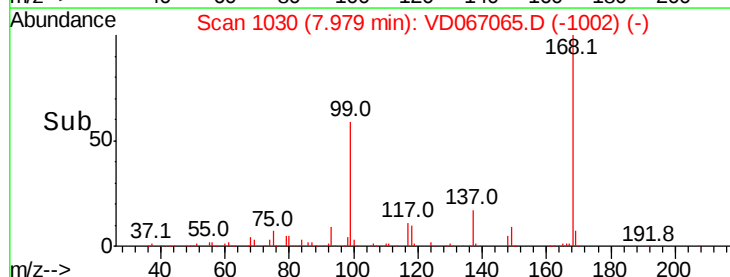
77 0.0 24.8 37.2#

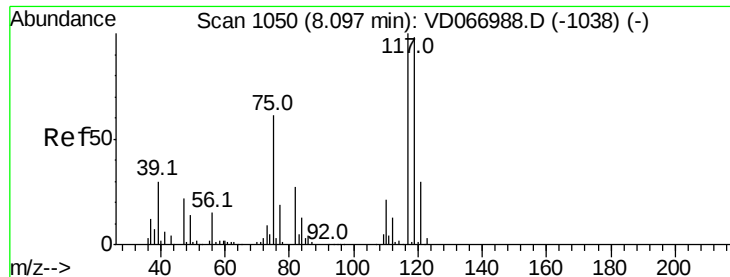


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.925 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

Instrument :

MSVOA_D

ClientSampleId :

OK-02-100120

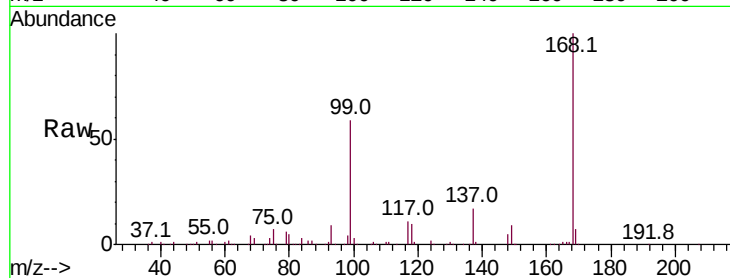
Tot Ion:117 Resp: 55094

Ion Ratio Lower Upper

117 100

119 5.8 78.7 118.1#

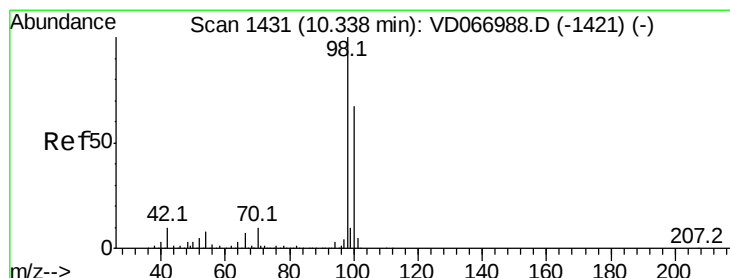
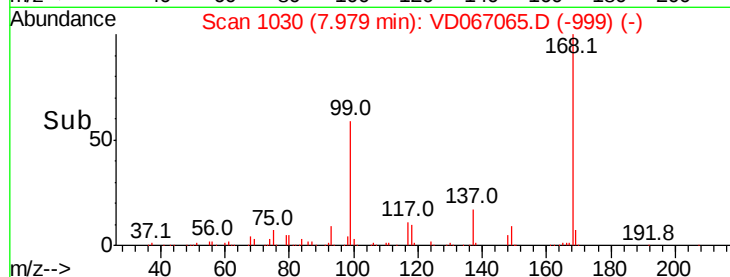
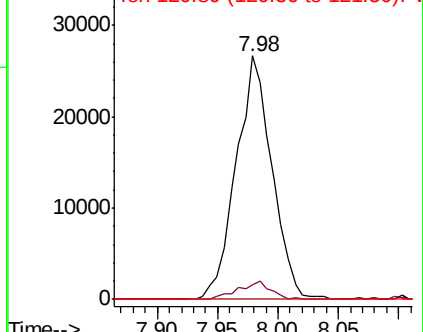
121 0.0 24.2 36.2#



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: 49.129 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067065.D

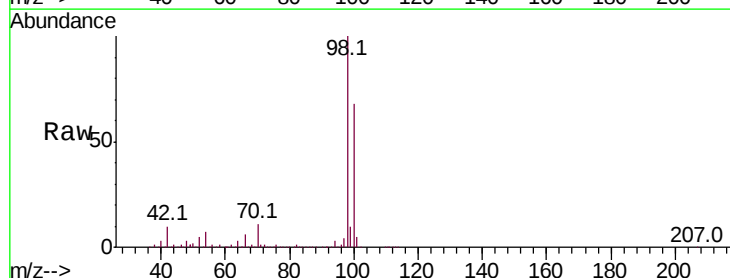
Acq: 03 Oct 2020 06:06

Tgt Ion: 98 Resp: 1080670

Ion Ratio Lower Upper

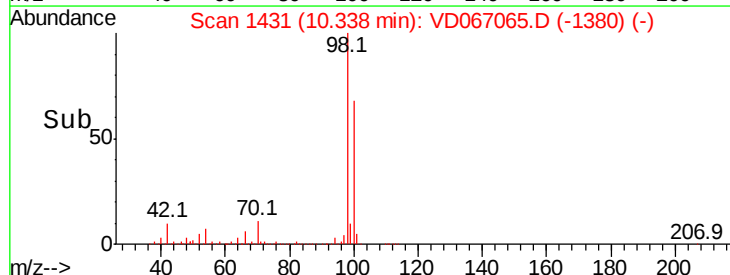
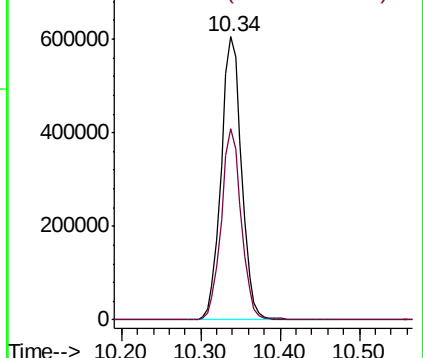
98 100

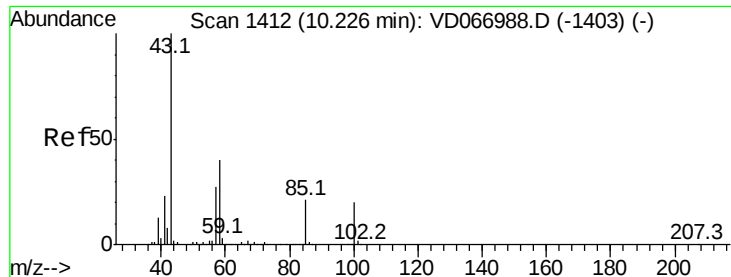
100 65.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.641 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

Instrument :

MSVOA_D

ClientSampleId :

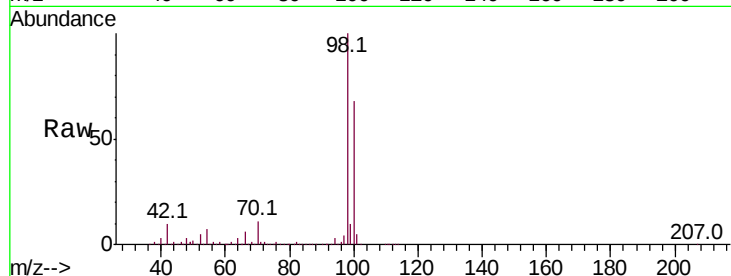
OK-02-100120

Tot Ion: 43 Resp: 4484

Ion Ratio Lower Upper

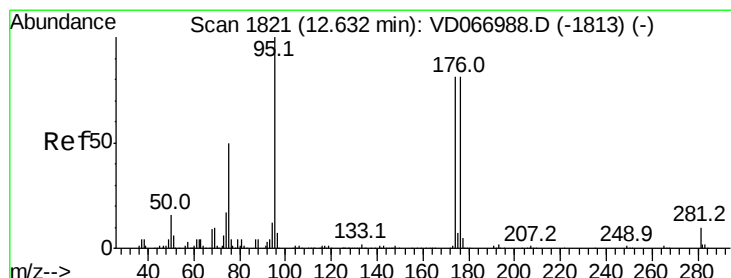
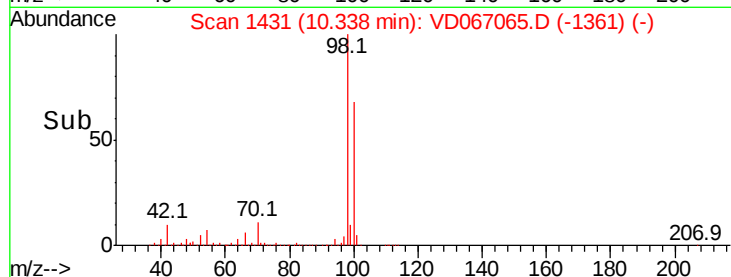
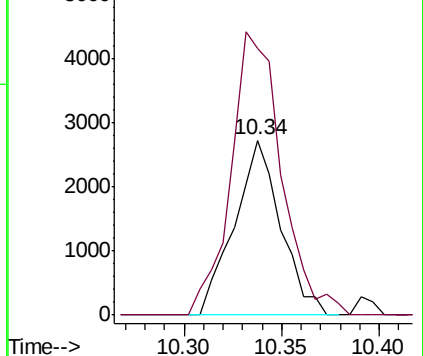
43 100

58 176.8 33.8 50.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 46.176 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

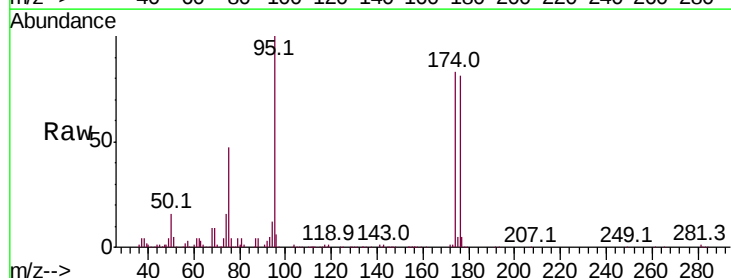
Tgt Ion: 95 Resp: 344811

Ion Ratio Lower Upper

95 100

174 83.2 0.0 167.6

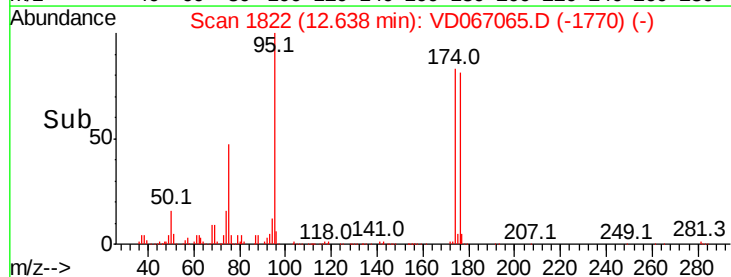
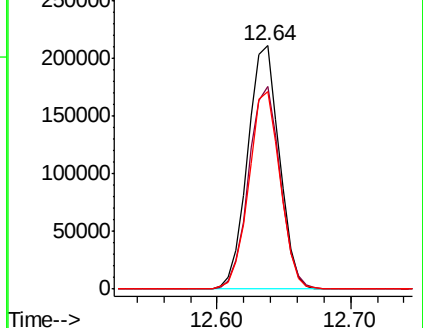
176 80.1 0.0 162.4

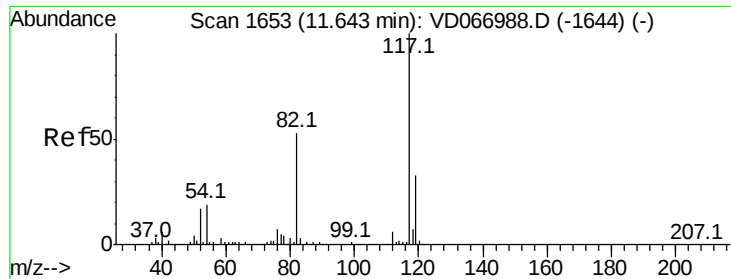


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

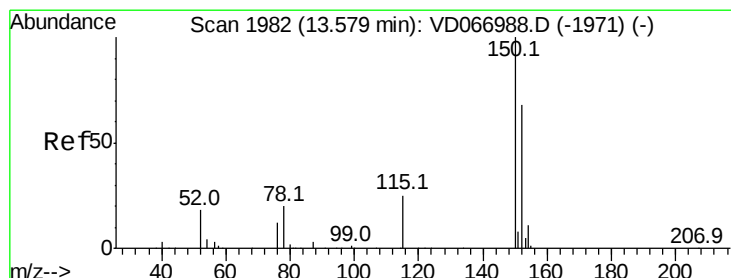
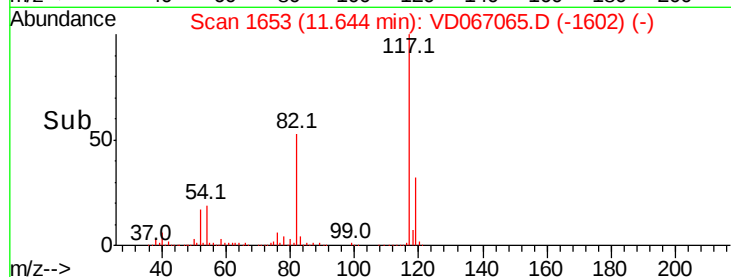
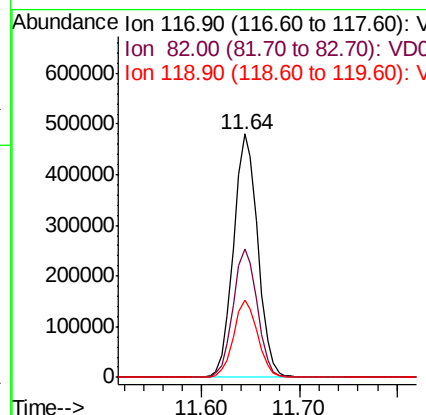
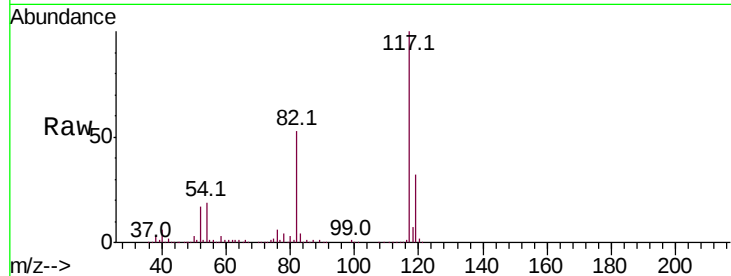




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067065.D
Acq: 03 Oct 2020 06:06

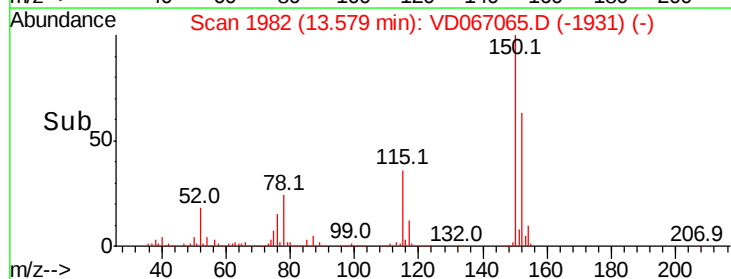
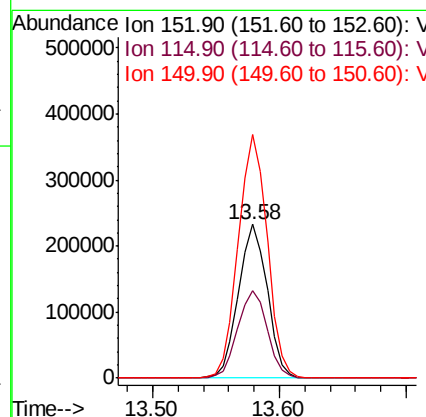
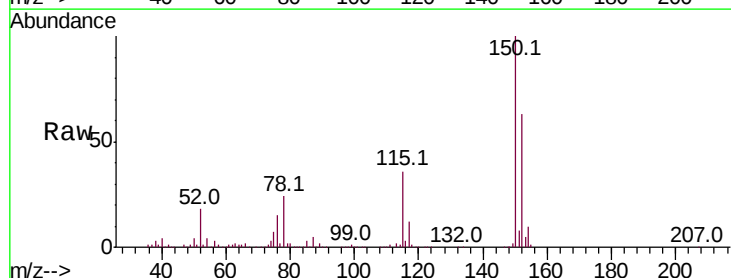
Instrument :
MSVOA_D
ClientSampleId :
OK-02-100120

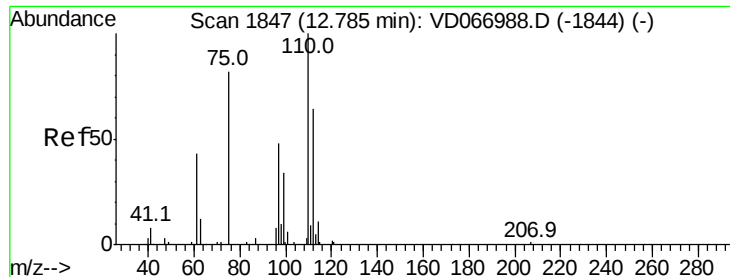
Tot Ion:117 Resp: 826048
Ion Ratio Lower Upper
117 100
82 52.6 42.6 63.8
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067065.D
Acq: 03 Oct 2020 06:06

Tgt Ion:152 Resp: 366869
Ion Ratio Lower Upper
152 100
115 58.1 29.6 88.8
150 158.9 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 52.427 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

Instrument :

MSVOA_D

ClientSampleId :

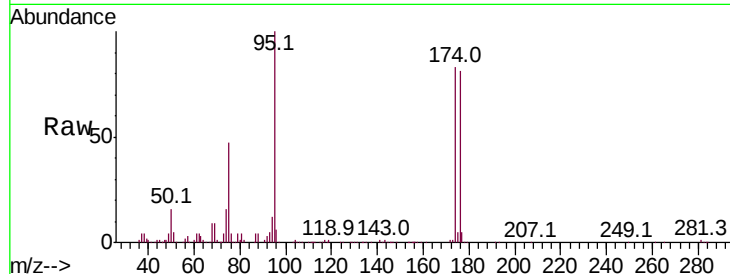
OK-02-100120

Tot Ion: 75 Resp: 167534

Ion Ratio Lower Upper

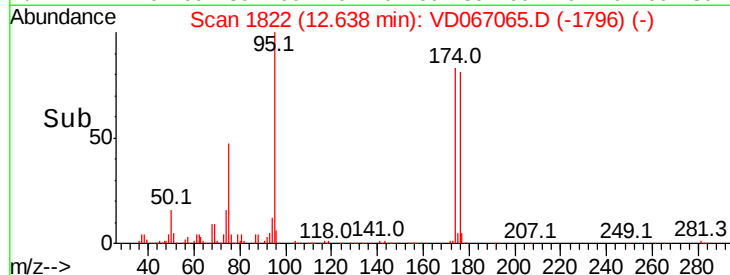
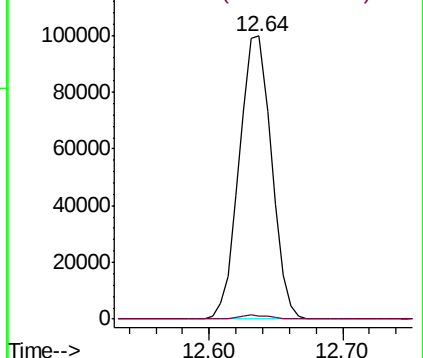
75 100

77 1.5 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: 130.708 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067065.D

Acq: 03 Oct 2020 06:06

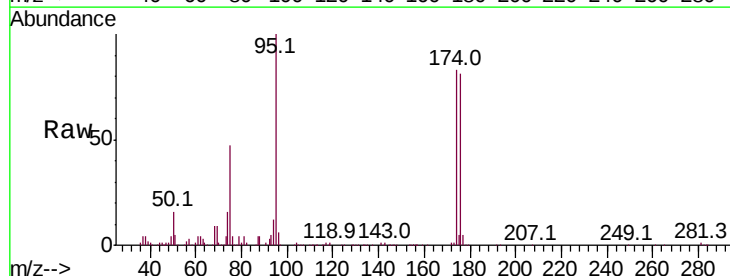
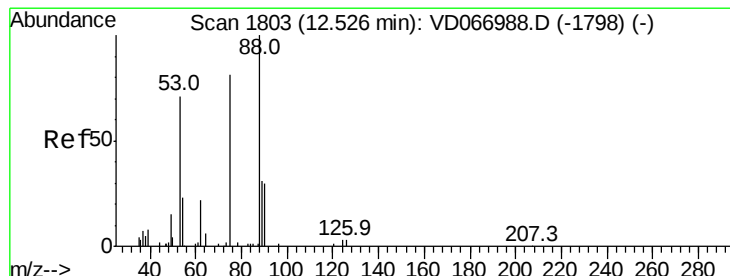
Tgt Ion: 75 Resp: 167534

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 38.9 58.3#



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

