

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066527.D
 Acq On : 02 Sep 2020 17:16
 Operator : VA/SY
 Sample : L3866-01
 Misc : 9.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-090120

Quant Time: Sep 03 03:43:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	177530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	248966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	229260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	103825	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	91025	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	7.91	113	75725	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	10.34	98	296807	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.64	95	96022	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	

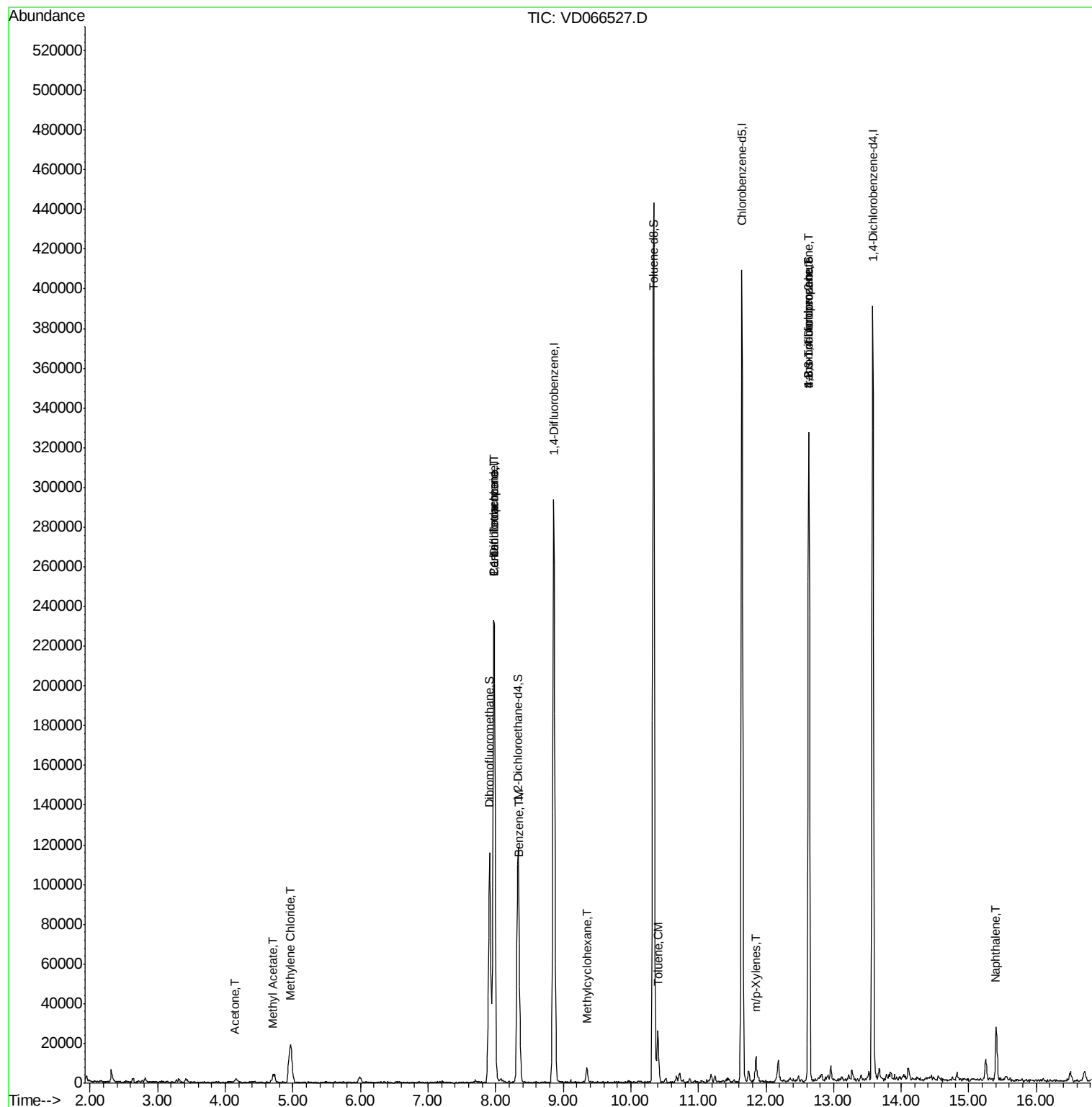
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	3703	13.114	ug/l #	77
18) Methyl Acetate	4.71	43	3959	8.732	ug/l #	53
20) Methylene Chloride	4.96	84	17253	8.599	ug/l	93
31) Cyclohexane	7.97	56	5259	Below Cal	#	38
36) 1,1-Dichloropropene	7.98	75	11396	5.222	ug/l #	52
38) Carbon Tetrachloride	7.97	117	17666	5.314	ug/l #	17
39) Methylcyclohexane	9.35	83	3010	1.180	ug/l	95
40) Benzene	8.35	78	37686	6.694	ug/l	100
52) Toluene	10.40	92	9849	2.459	ug/l	97
68) m/p-Xylenes	11.85	106	3231	1.051	ug/l	89
76) 1,2,3-Trichloropropane	12.63	75	57008	87.284	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	57008	194.375	ug/l #	1
95) Naphthalene	15.41	128	24033	6.897	ug/l #	95

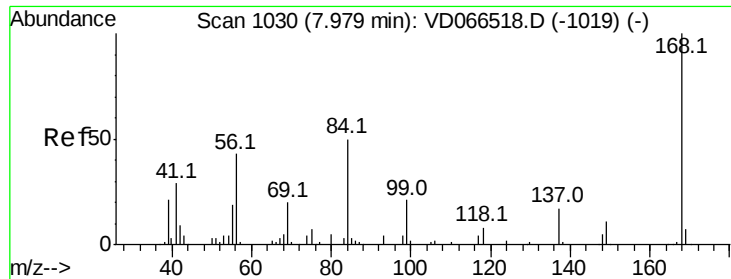
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

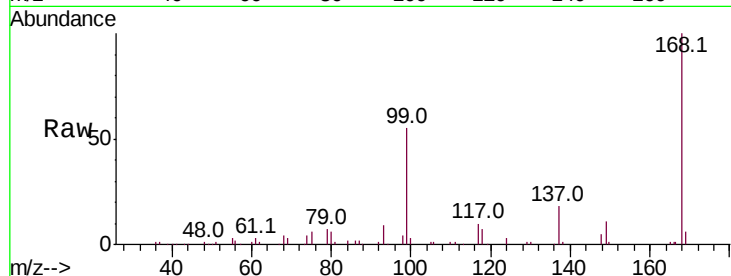
OK-03-090120

Tot Ion:168 Resp: 177530

Ion Ratio Lower Upper

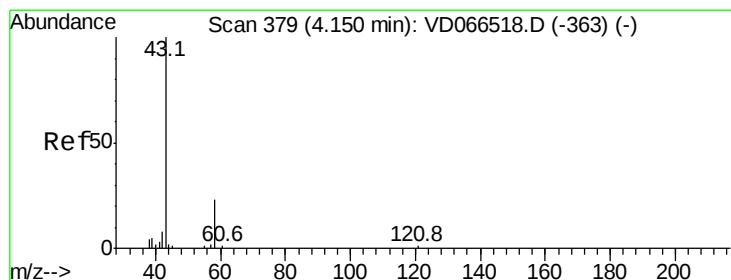
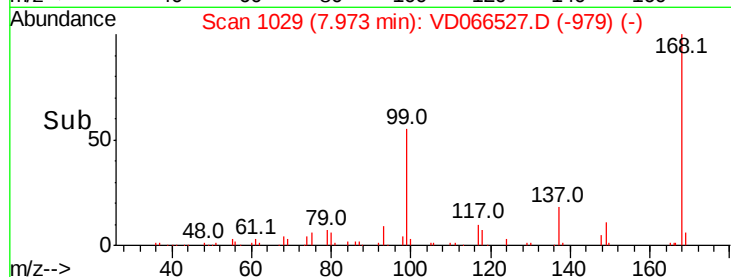
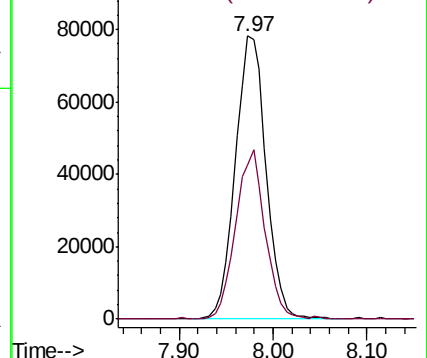
168 100

99 54.6 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 13.114 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066527.D

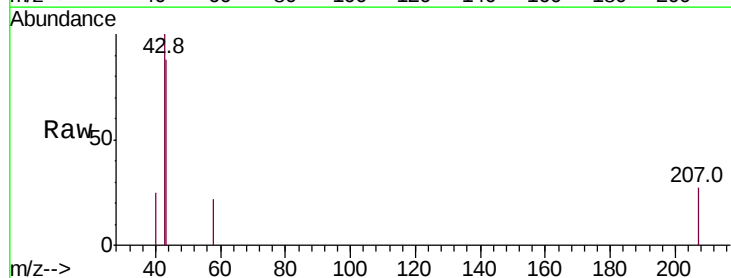
Acq: 02 Sep 2020 17:16

Tgt Ion: 43 Resp: 3703

Ion Ratio Lower Upper

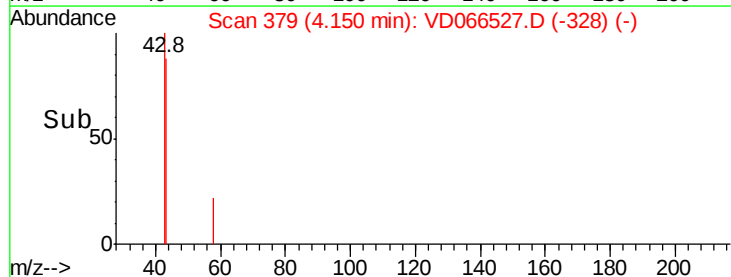
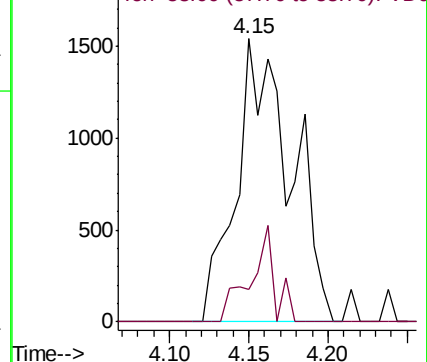
43 100

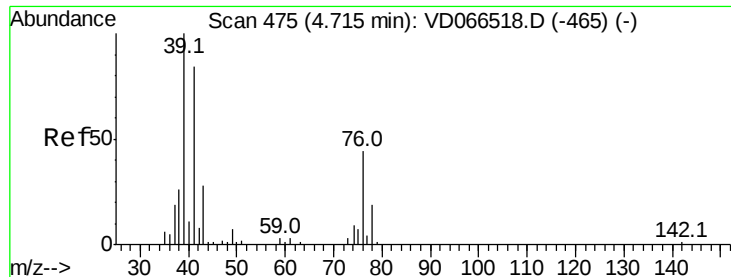
58 11.4 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

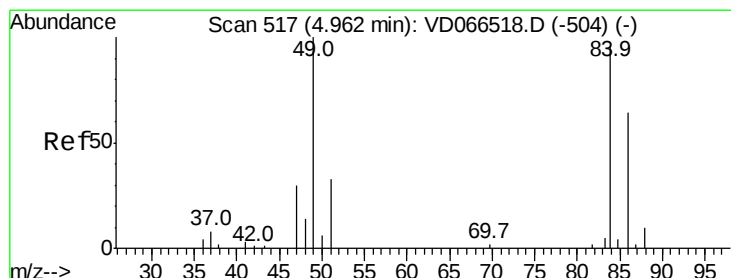
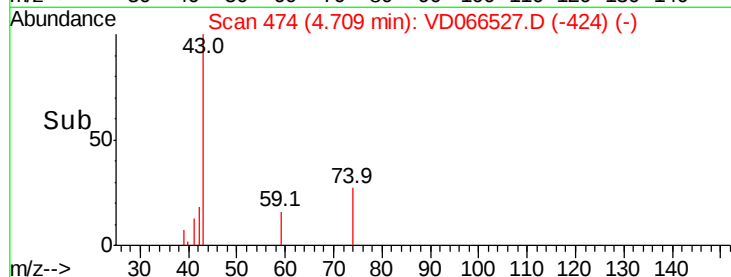
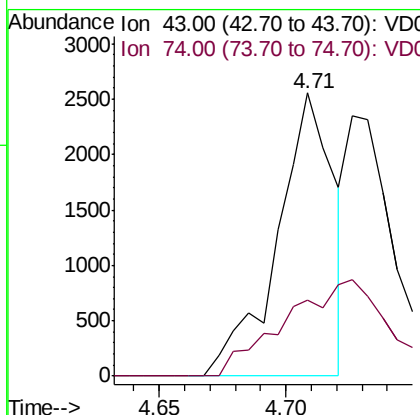
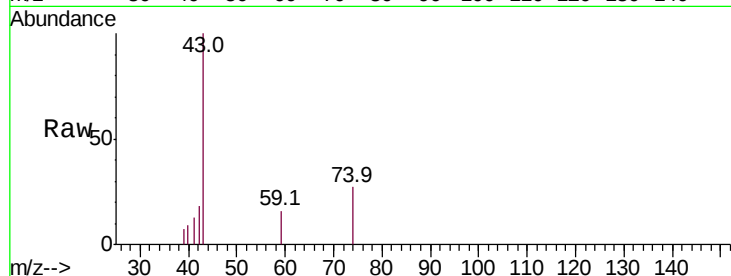




#18
Methyl Acetate
Concen: 8.732 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066527.D
Acq: 02 Sep 2020 17:16

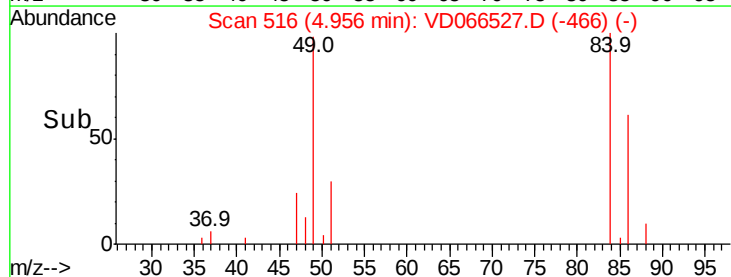
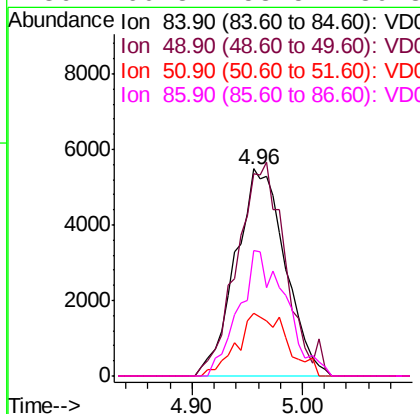
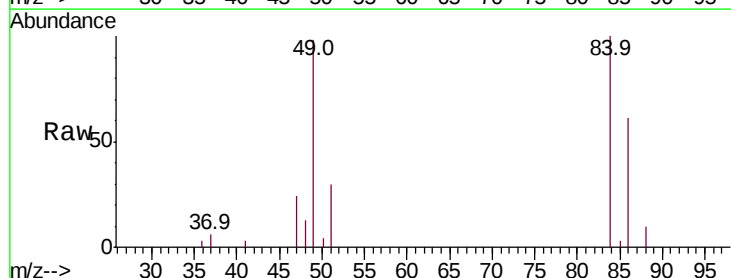
Instrument :
MSVOA_D
ClientSampleId :
OK-03-090120

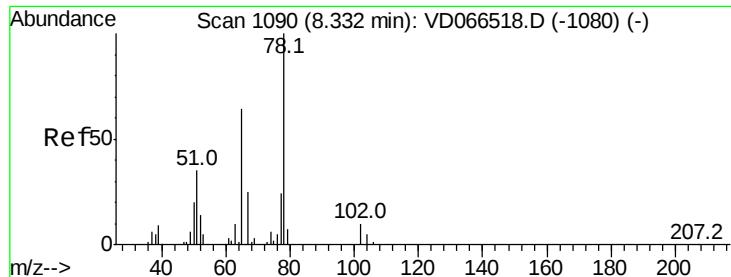
Tot Ion: 43 Resp: 3959
Ion Ratio Lower Upper
43 100
74 59.5 26.3 39.5#



#20
Methylene Chloride
Concen: 8.599 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066527.D
Acq: 02 Sep 2020 17:16

Tgt Ion: 84 Resp: 17253
Ion Ratio Lower Upper
84 100
49 97.8 83.5 125.3
51 30.3 27.8 41.8
86 60.8 53.5 80.3





#33

1,2-Dichloroethane-d4

Concen: 47.676 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

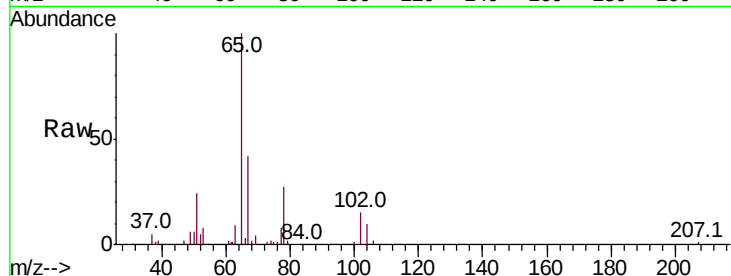
OK-03-090120

Tot Ion: 65 Resp: 91025

Ion Ratio Lower Upper

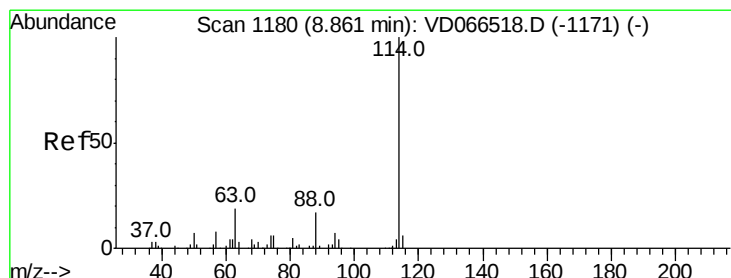
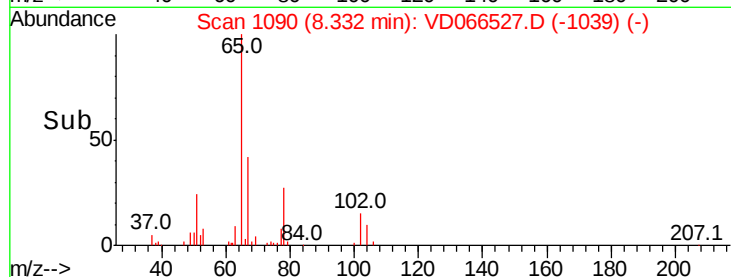
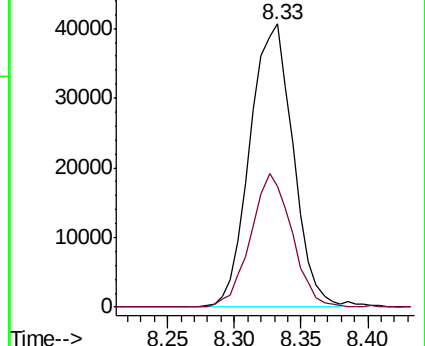
65 100

67 45.0 0.0 88.2



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: VD066527.D

Acq: 02 Sep 2020 17:16

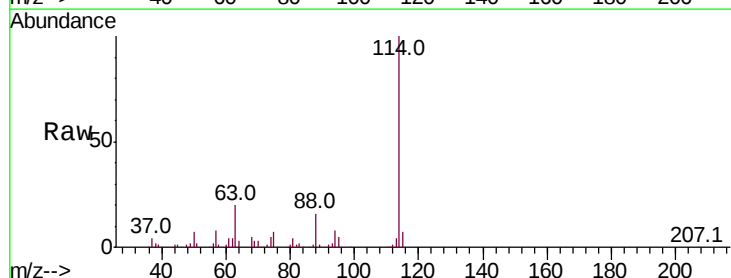
Tgt Ion: 114 Resp: 248966

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.6

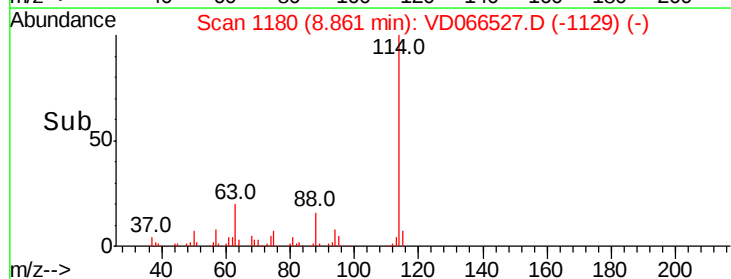
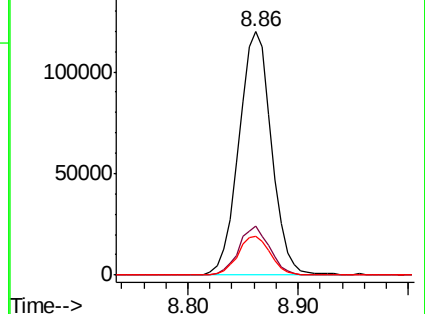
88 15.8 0.0 33.6

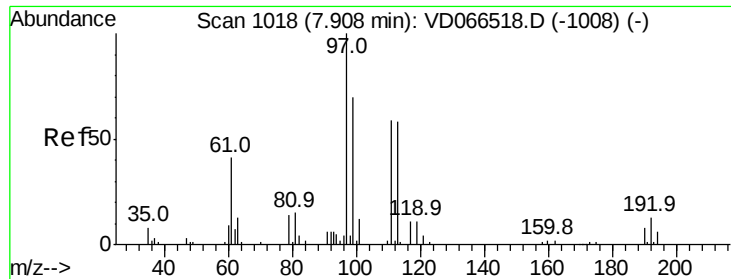


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

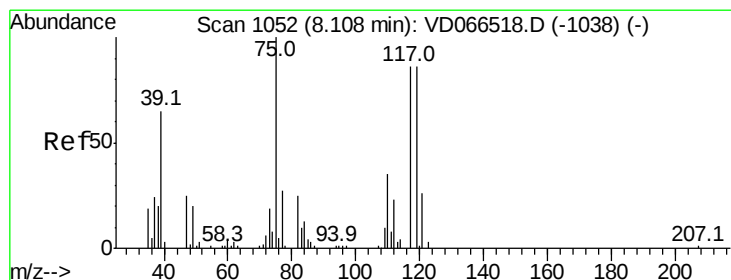
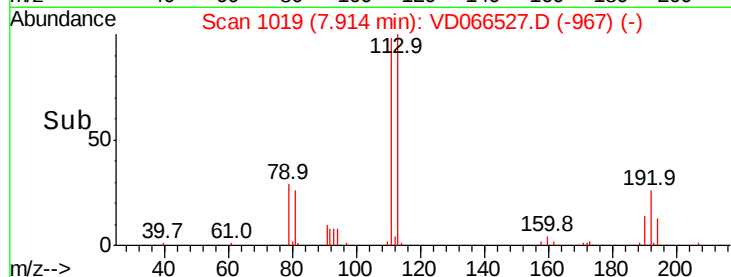
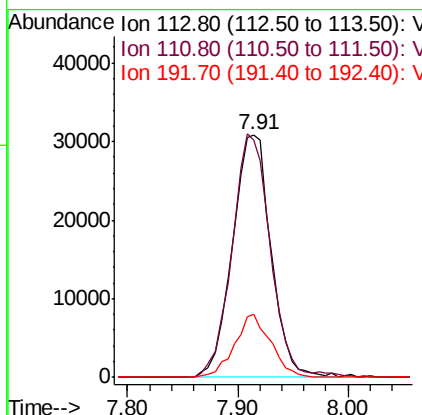
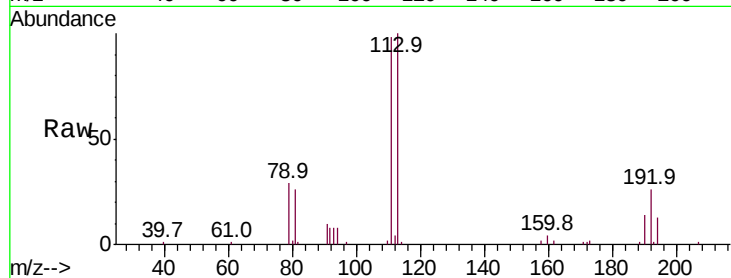




#35
 Dibromofluoromethane
 Concen: 50.571 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066527.D
 Acq: 02 Sep 2020 17:16

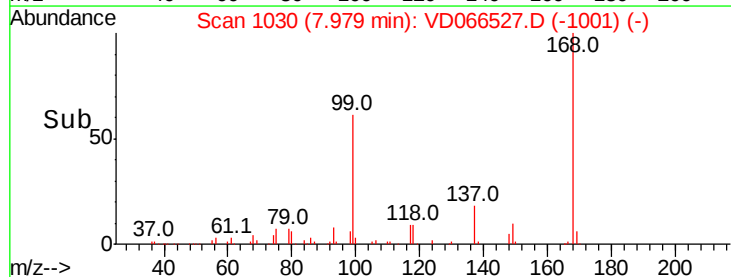
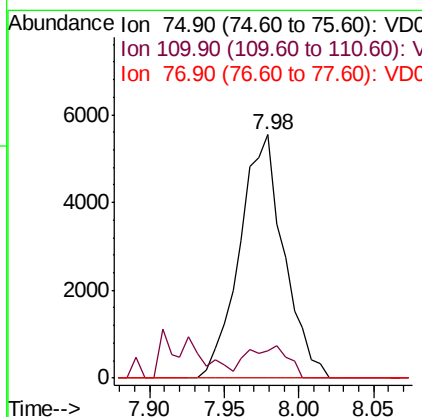
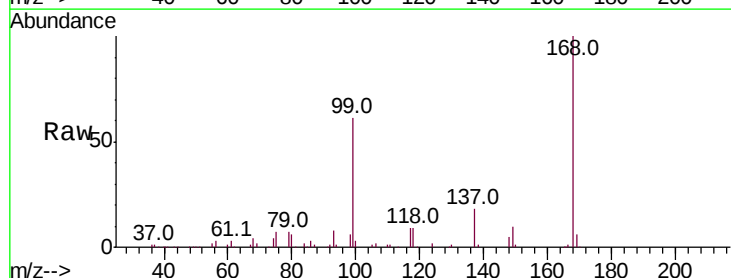
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-090120

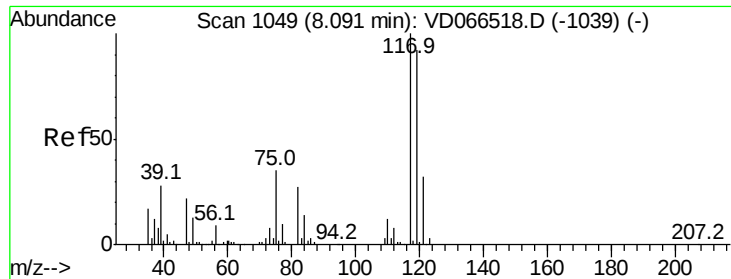
Tot Ion:113 Resp: 75725
 Ion Ratio Lower Upper
 113 100
 111 99.7 82.5 123.7
 192 24.3 20.7 31.1



#36
 1,1-Dichloropropene
 Concen: 5.222 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066527.D
 Acq: 02 Sep 2020 17:16

Tgt Ion: 75 Resp: 11396
 Ion Ratio Lower Upper
 75 100
 110 11.9 18.4 55.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.314 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

OK-03-090120

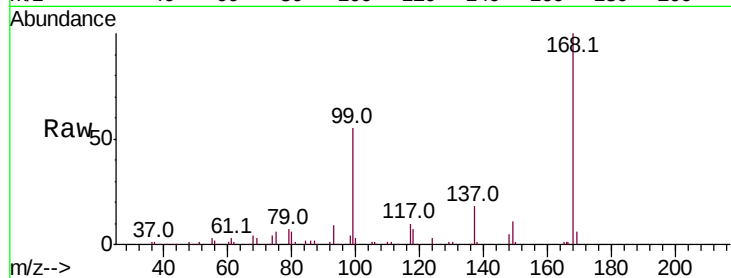
Tot Ion:117 Resp: 17666

Ion Ratio Lower Upper

117 100

119 4.2 73.9 110.9#

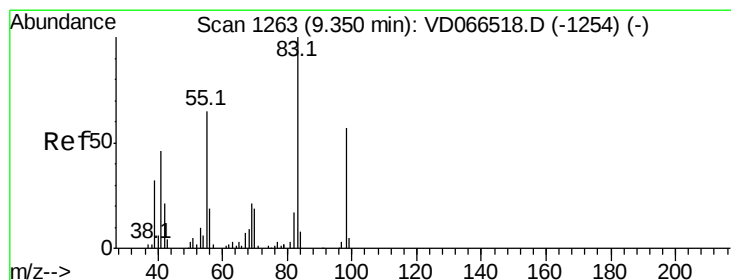
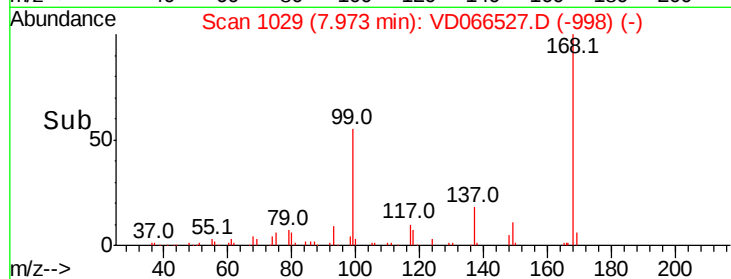
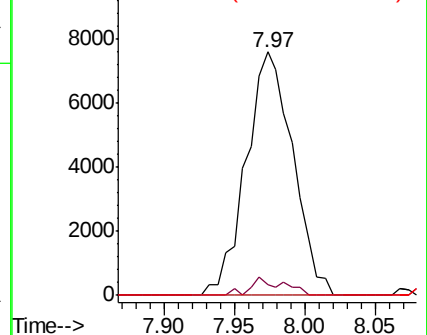
121 0.0 25.6 38.4#



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



#39

Methylcyclohexane

Concen: 1.180 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

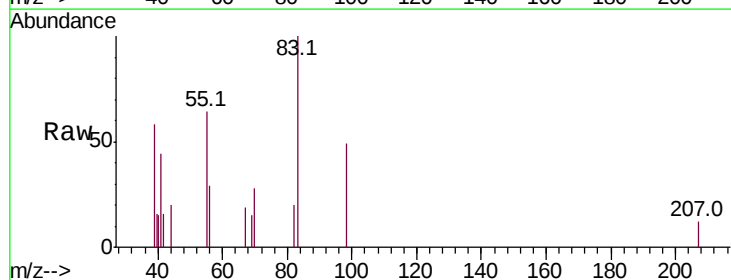
Tgt Ion: 83 Resp: 3010

Ion Ratio Lower Upper

83 100

55 64.3 52.2 78.2

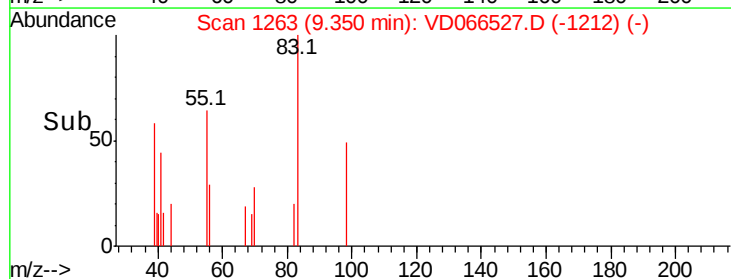
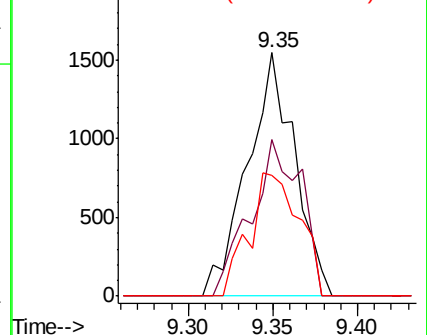
98 49.4 45.6 68.4

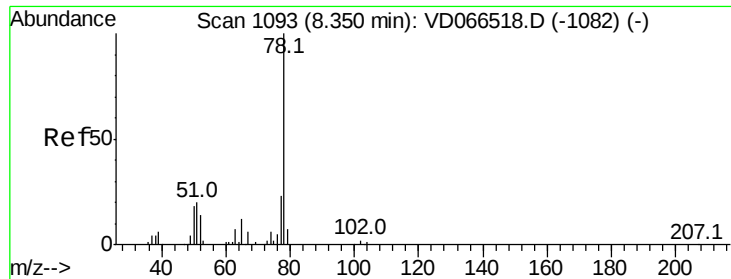


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 6.694 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

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ClientSampleId :

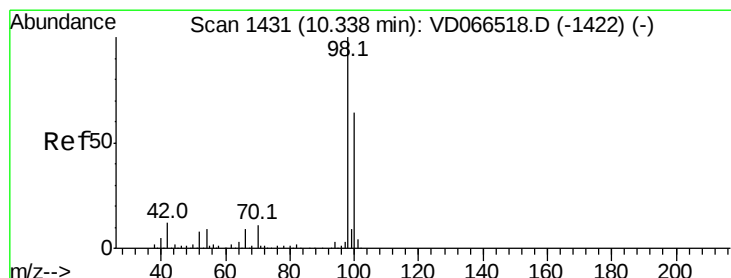
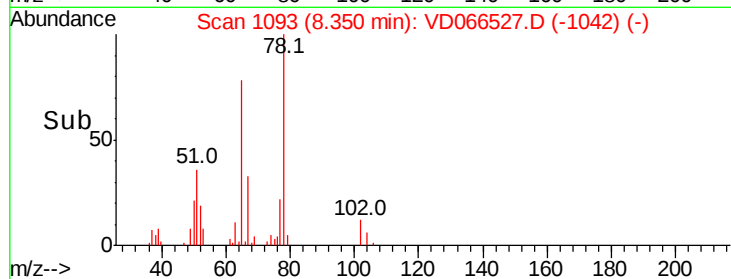
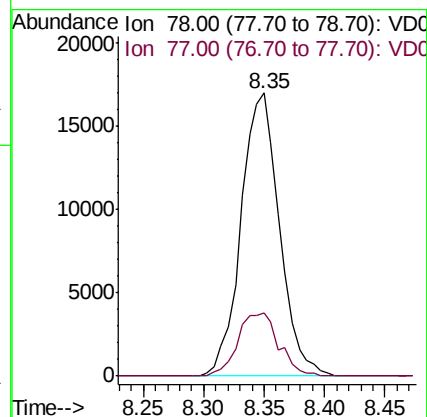
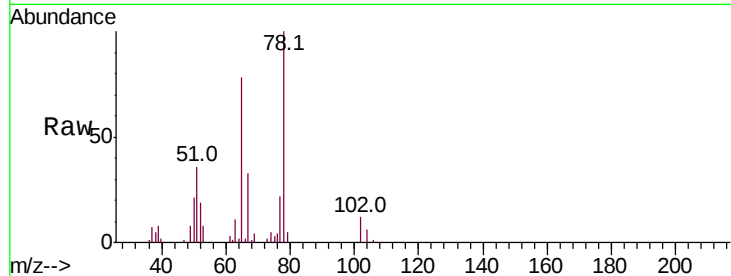
OK-03-090120

Tot Ion: 78 Resp: 37686

Ion Ratio Lower Upper

78 100

77 22.5 18.1 27.1



#50

Toluene-d8

Concen: 52.788 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066527.D

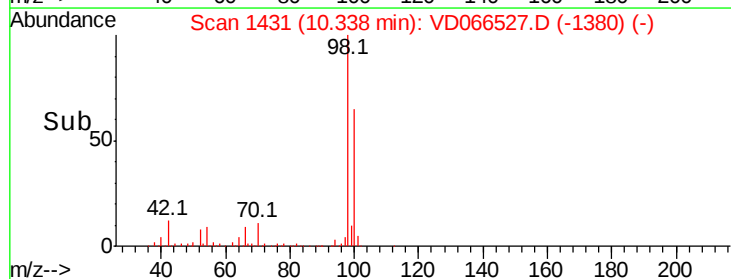
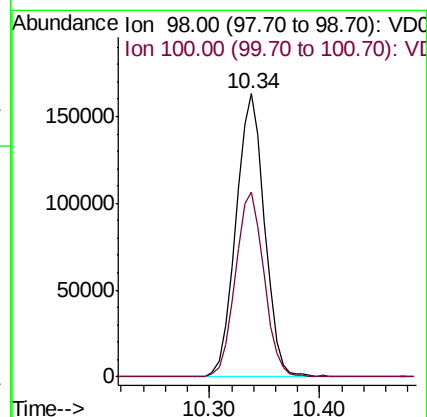
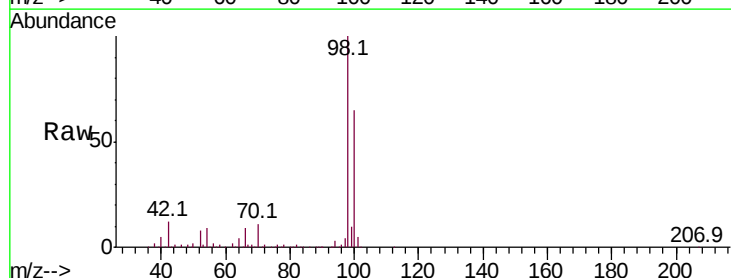
Acq: 02 Sep 2020 17:16

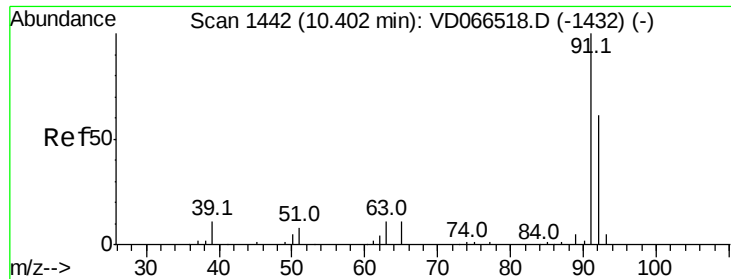
Tgt Ion: 98 Resp: 296807

Ion Ratio Lower Upper

98 100

100 65.5 52.8 79.2





#52

Toluene

Concen: 2.459 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

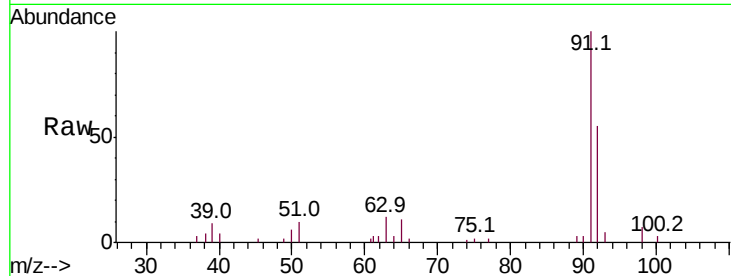
OK-03-090120

Tot Ion: 92 Resp: 9849

Ion Ratio Lower Upper

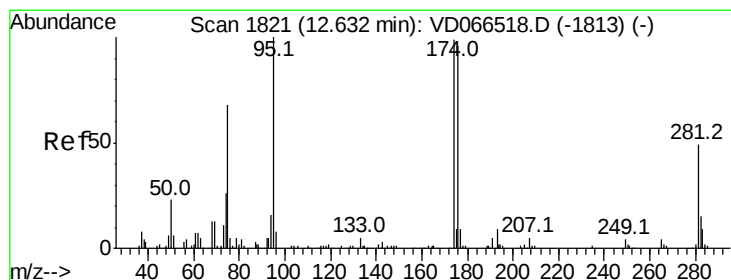
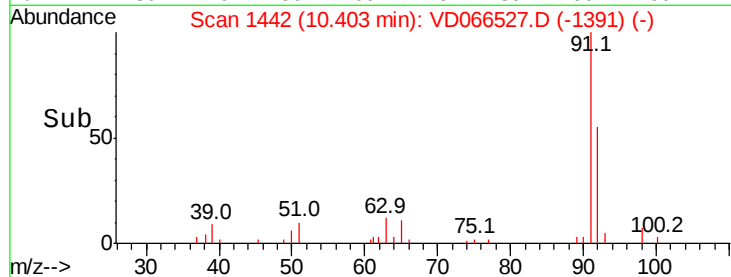
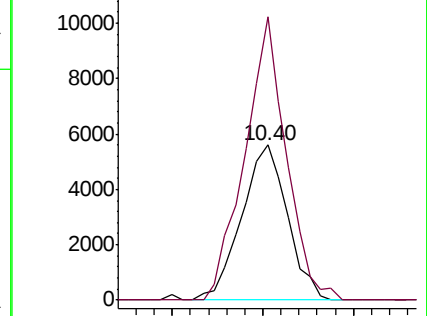
92 100

91 164.8 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.908 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

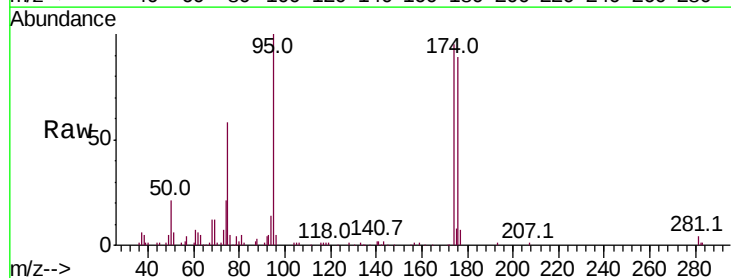
Tgt Ion: 95 Resp: 96022

Ion Ratio Lower Upper

95 100

174 96.7 0.0 203.2

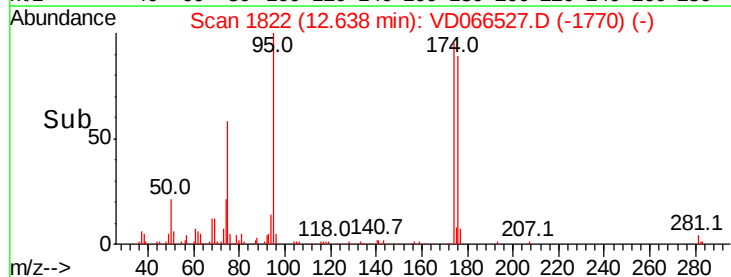
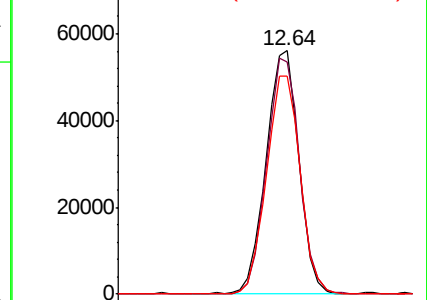
176 91.6 0.0 198.6

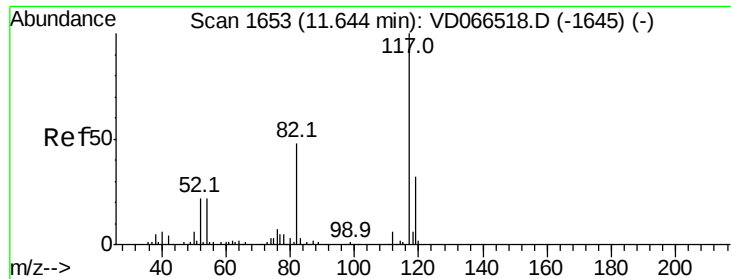


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

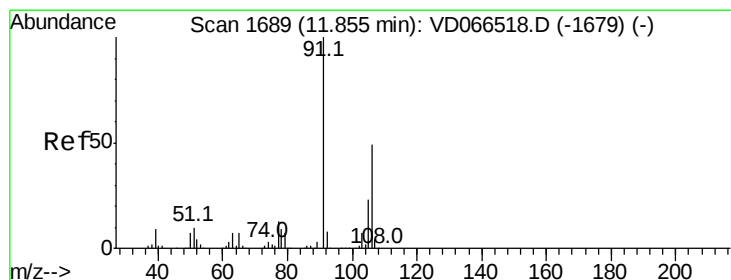
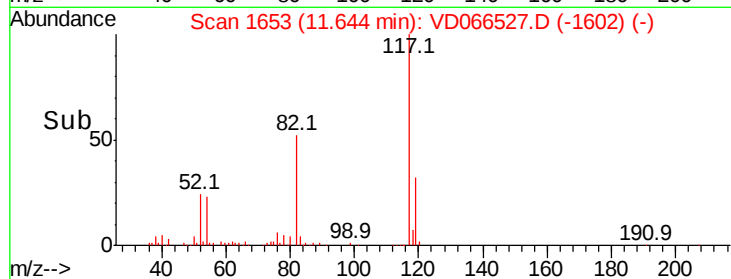
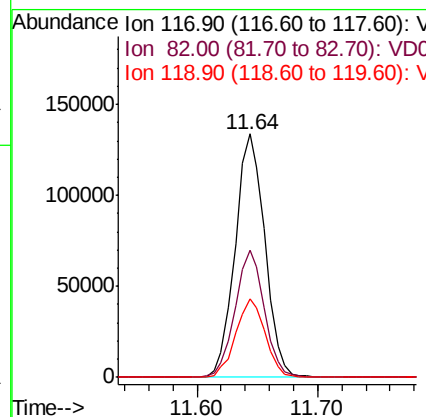
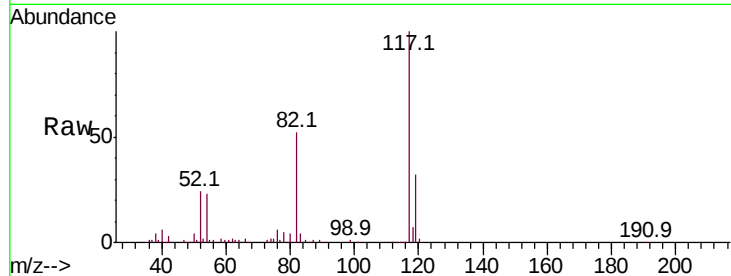




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066527.D
Acq: 02 Sep 2020 17:16

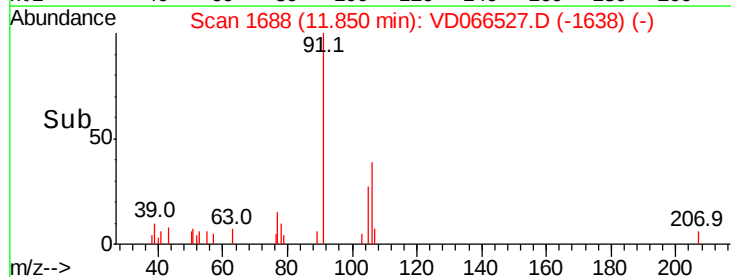
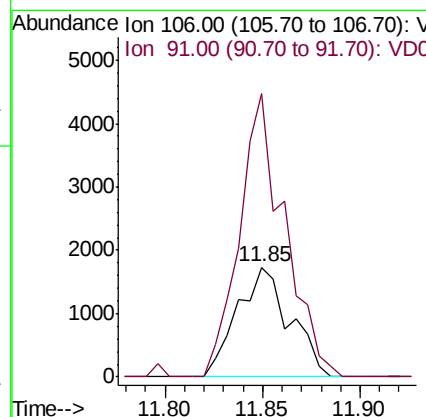
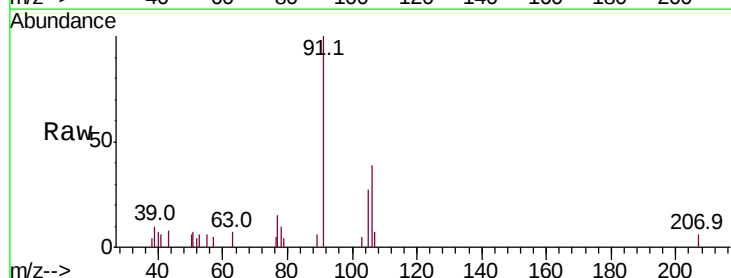
Instrument :
MSVOA_D
ClientSampleId :
OK-03-090120

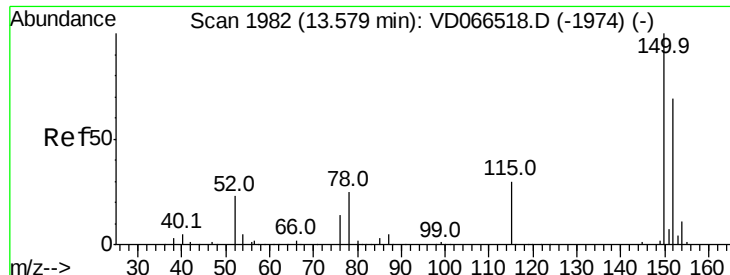
Tot Ion:117 Resp: 229260
Ion Ratio Lower Upper
117 100
82 52.2 38.5 57.7
119 32.3 25.9 38.9



#68
m/p-Xylenes
Concen: 1.051 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066527.D
Acq: 02 Sep 2020 17:16

Tgt Ion:106 Resp: 3231
Ion Ratio Lower Upper
106 100
91 221.7 163.3 244.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

Instrument :

MSVOA_D

ClientSampled :

OK-03-090120

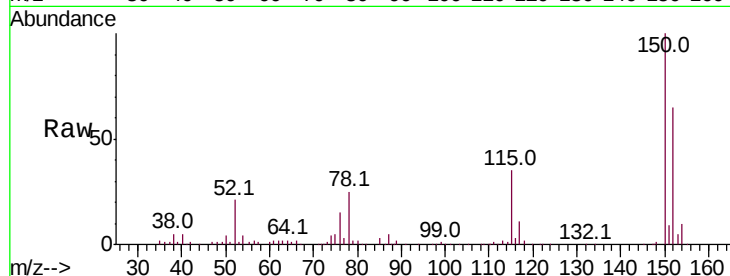
Tot Ion:152 Resp: 103825

Ion Ratio Lower Upper

152 100

115 55.6 28.9 86.8

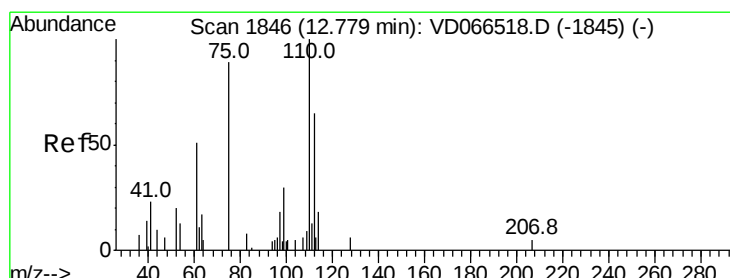
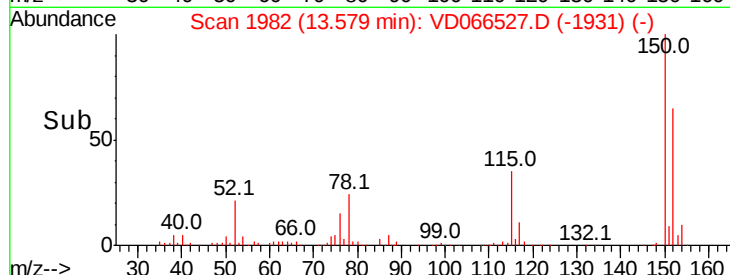
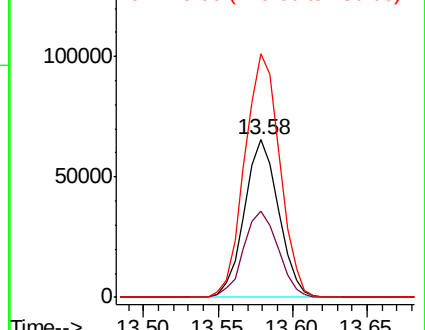
150 158.5 0.0 339.6



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: 87.284 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066527.D

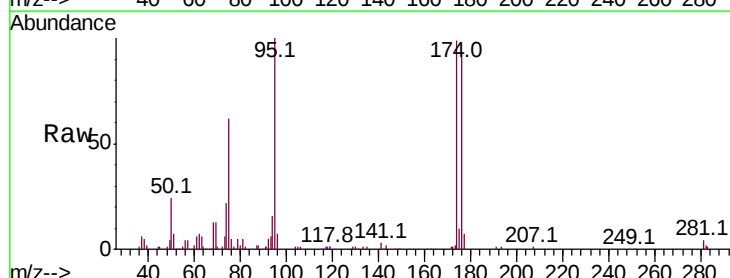
Acq: 02 Sep 2020 17:16

Tgt Ion: 75 Resp: 57008

Ion Ratio Lower Upper

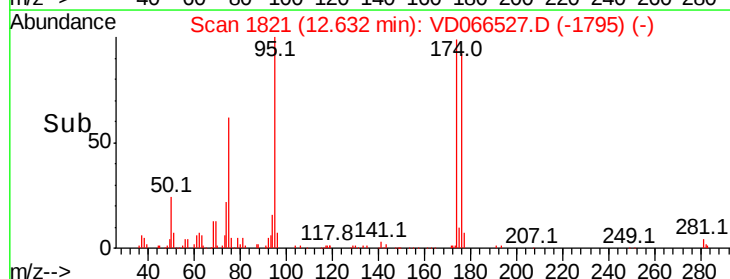
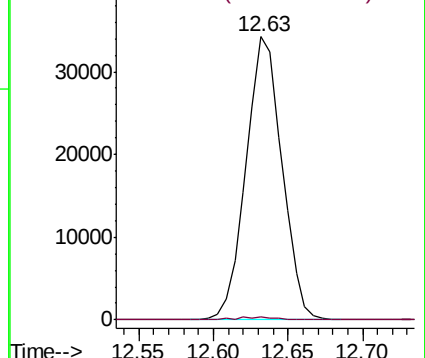
75 100

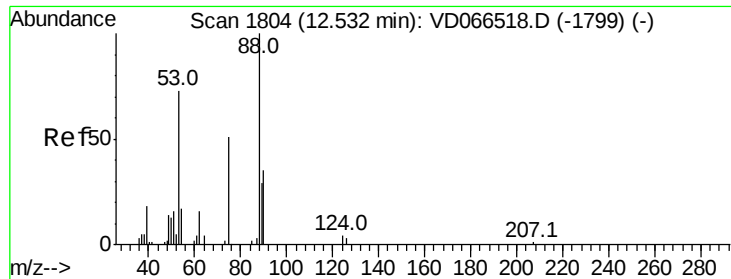
77 0.9 196.9 590.7#



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: 194.375 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

Instrument :

MSVOA_D

ClientSampleId :

OK-03-090120

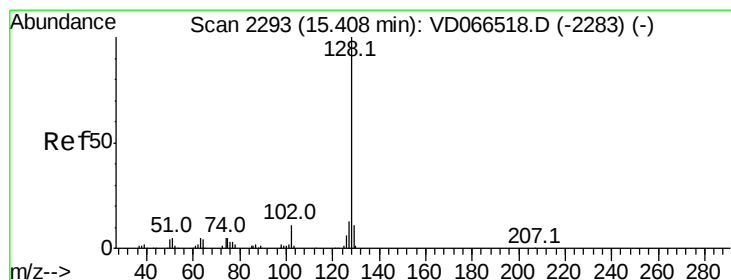
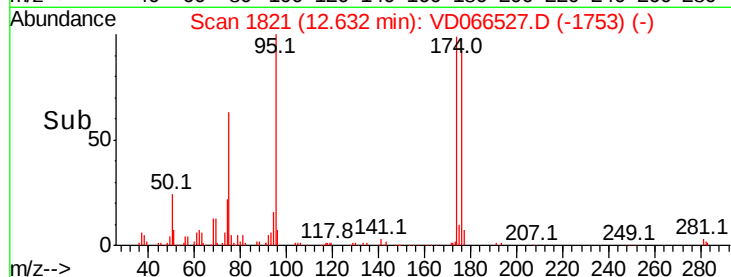
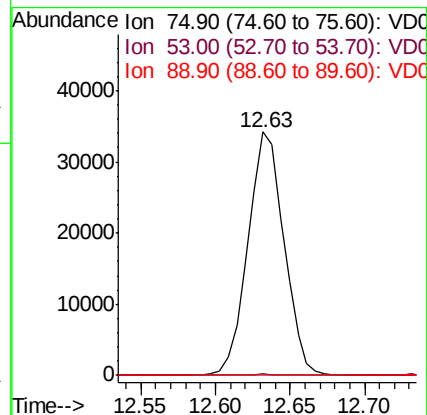
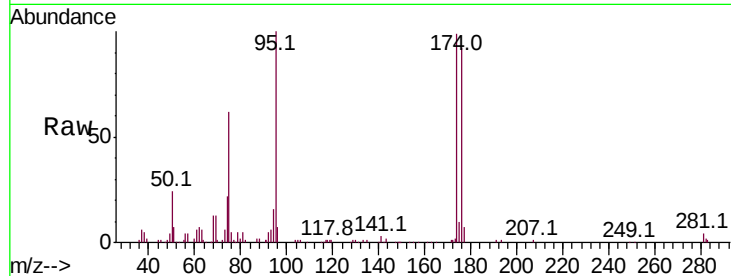
Tot Ion: 75 Resp: 57008

Ion Ratio Lower Upper

75 100

53 0.1 101.8 152.8#

89 0.0 46.0 69.0#



#95

Naphthalene

Concen: 6.897 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066527.D

Acq: 02 Sep 2020 17:16

Tgt Ion: 128 Resp: 24033

Ion Ratio Lower Upper

128 100

127 14.9 11.1 16.7

129 13.4 8.6 12.8#

