

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067146.D
 Acq On : 07 Oct 2020 12:21
 Operator : VA/SY
 Sample : L4221-06
 Misc : 5.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-100620

Quant Time: Oct 08 07:22:36 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	414132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	617106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	281504	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	198147	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
35) Dibromofluoromethane	7.91	113	212583	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	10.34	98	772398	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.64	95	254226	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	

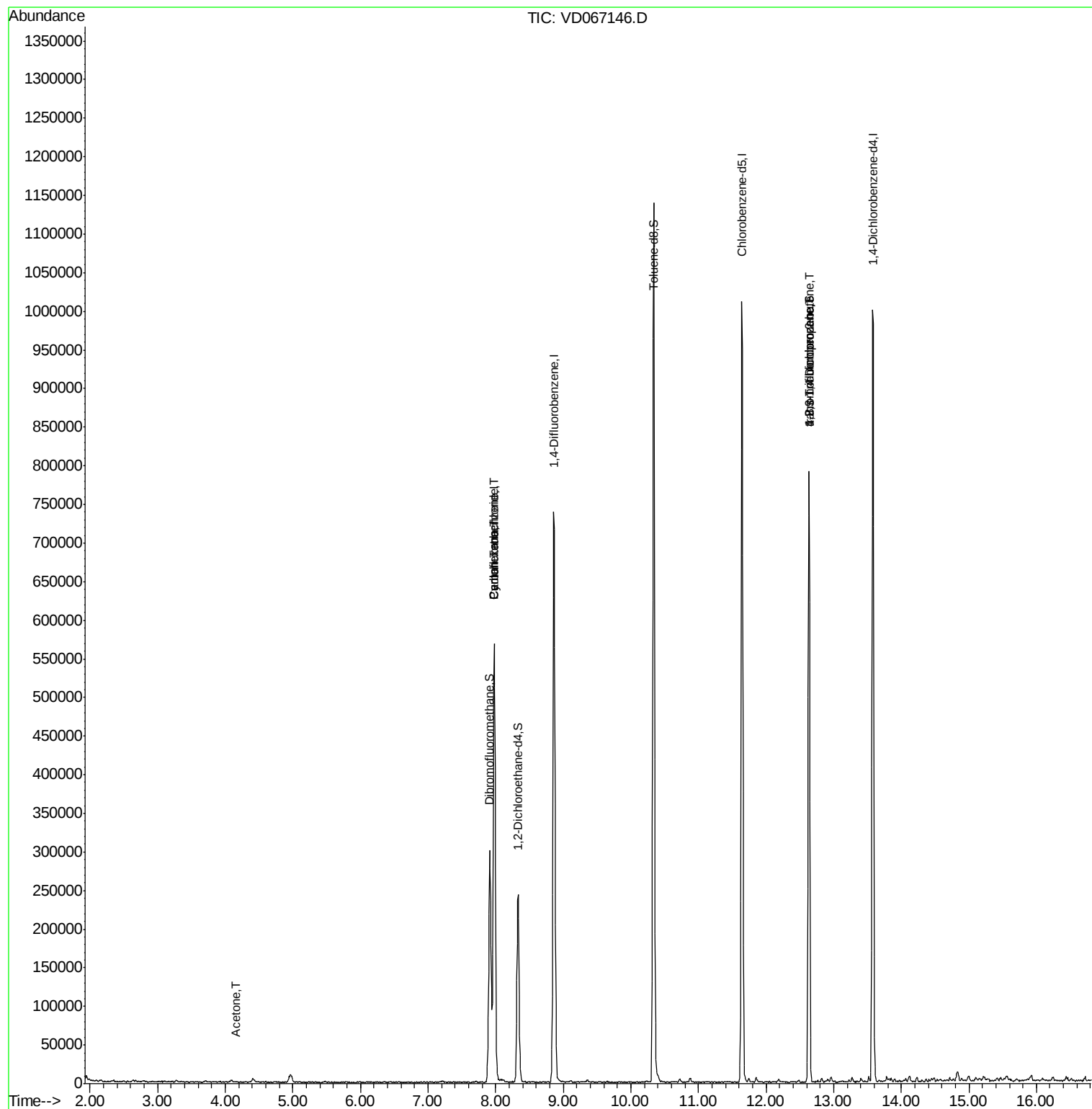
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	963	Below Cal	#	24
5) Bromomethane	2.77	94	878	Below Cal		92
16) Acetone	4.16	43	1315	2.160	ug/l #	71
20) Methylene Chloride	4.96	84	8790	Below Cal	#	86
26) 2,2-Dichloropropane	7.20	77	666	Below Cal		88
31) Cyclohexane	7.98	56	9070	1.514	ug/l #	1
38) Carbon Tetrachloride	7.98	117	42427	6.305	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	128958	52.593	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	128958	131.121	ug/l #	12

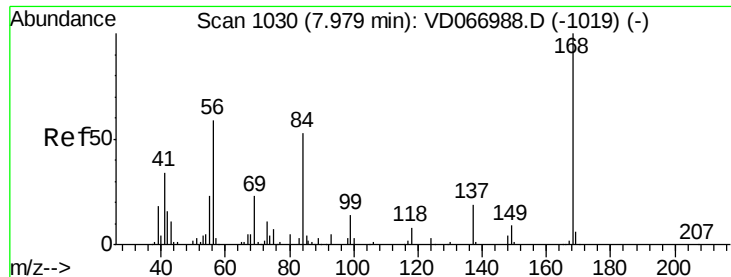
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD067146.D

Acq: 07 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

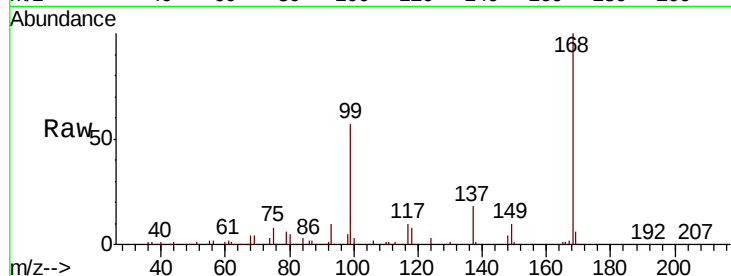
OK-01-100620

Tot Ion:168 Resp: 414132

Ion Ratio Lower Upper

168 100

99 56.9 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

200000

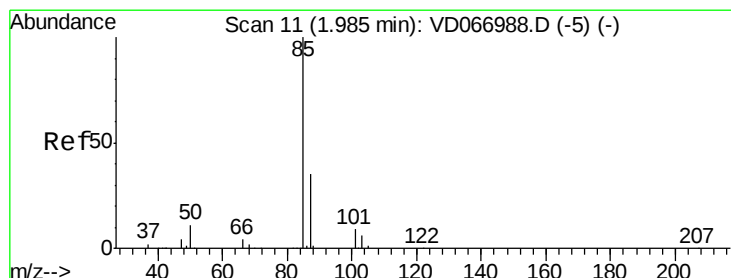
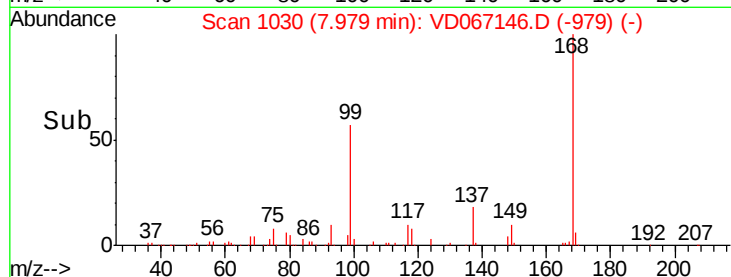
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067146.D

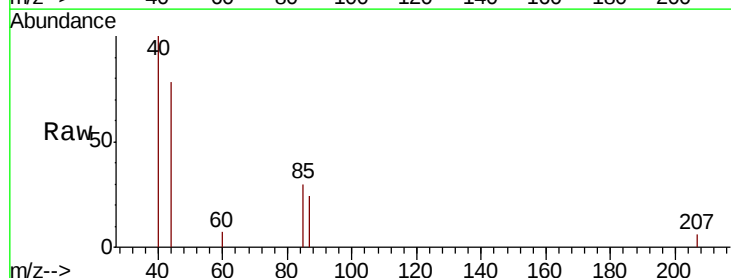
Acq: 07 Oct 2020 12:21

Tgt Ion: 85 Resp: 963

Ion Ratio Lower Upper

85 100

87 78.5 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

800

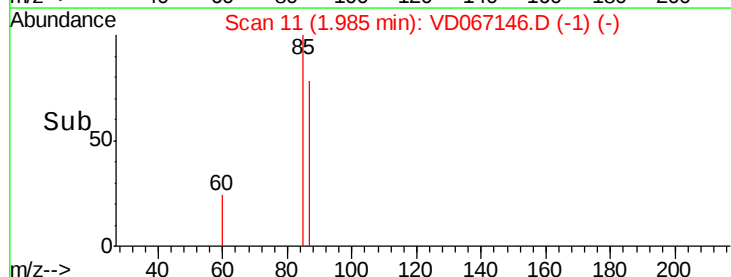
600

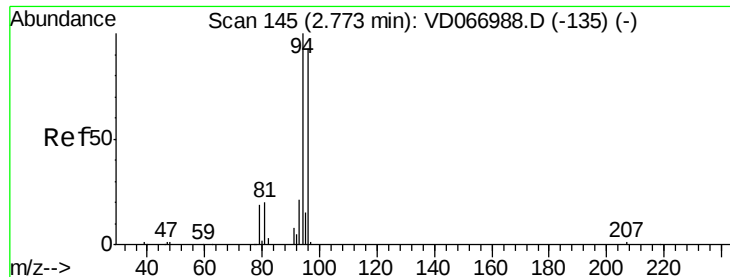
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067146.D

Acq: 07 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

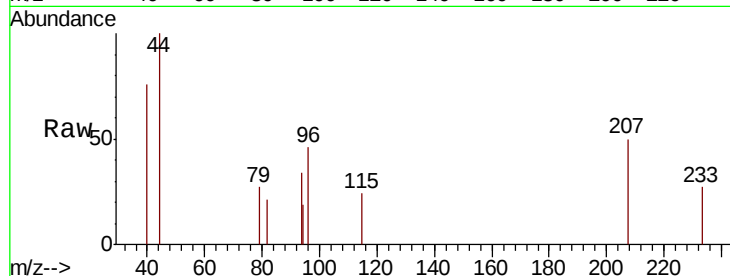
OK-01-100620

Tot Ion: 94 Resp: 878

Ion Ratio Lower Upper

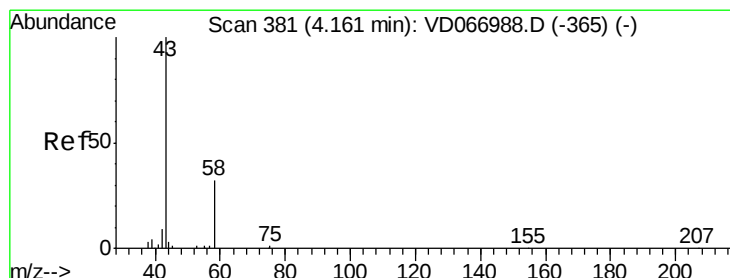
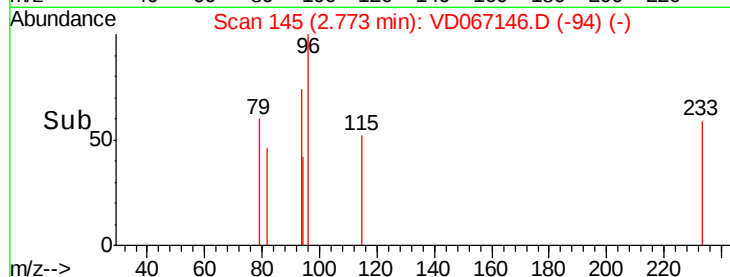
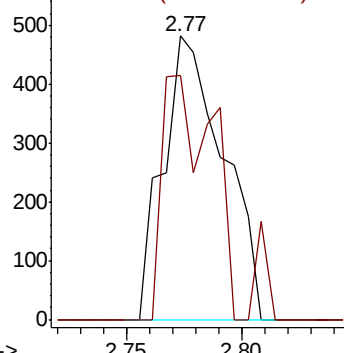
94 100

96 85.9 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 2.160 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067146.D

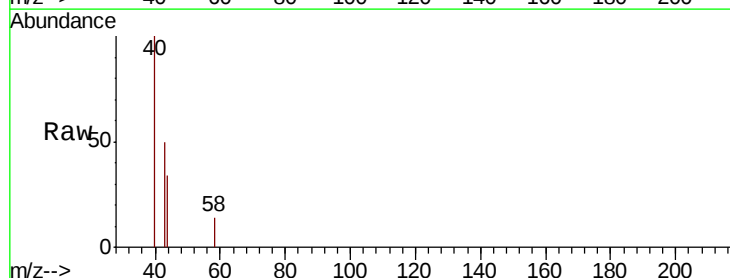
Acq: 07 Oct 2020 12:21

Tgt Ion: 43 Resp: 1315

Ion Ratio Lower Upper

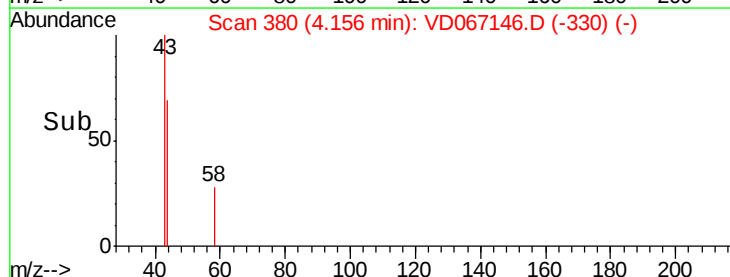
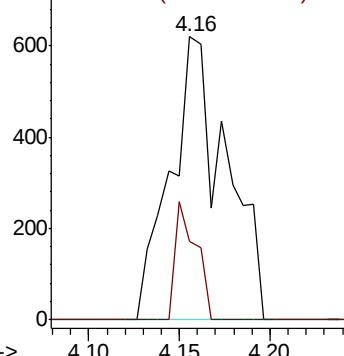
43 100

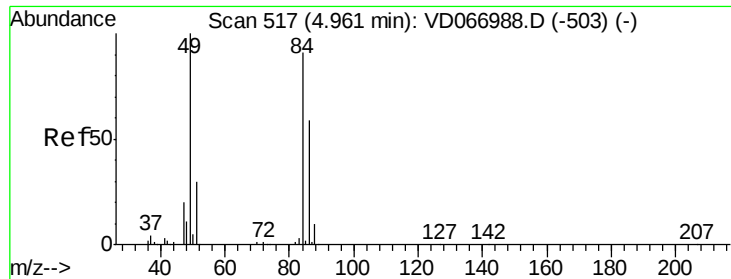
58 16.3 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

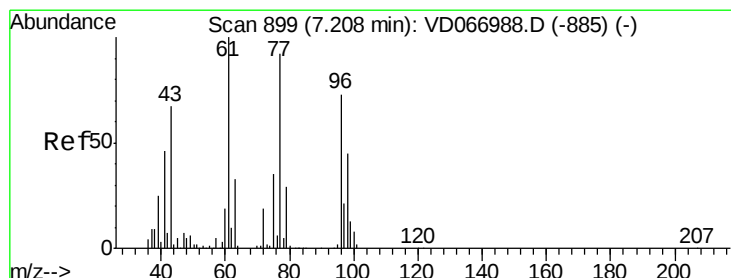
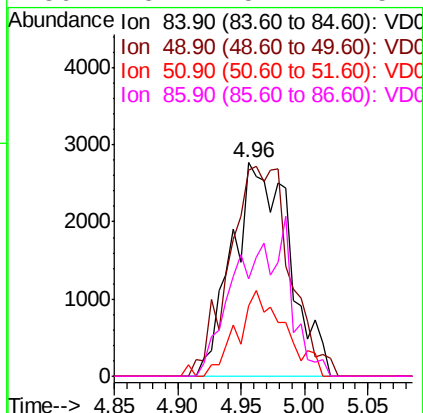
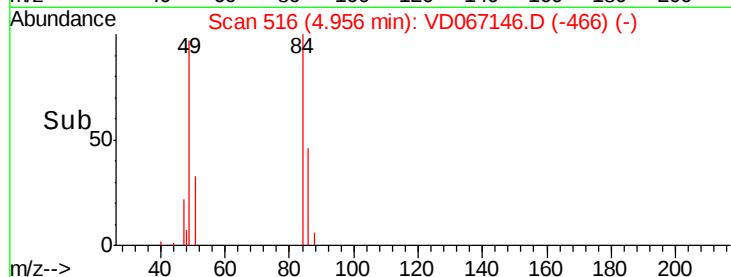
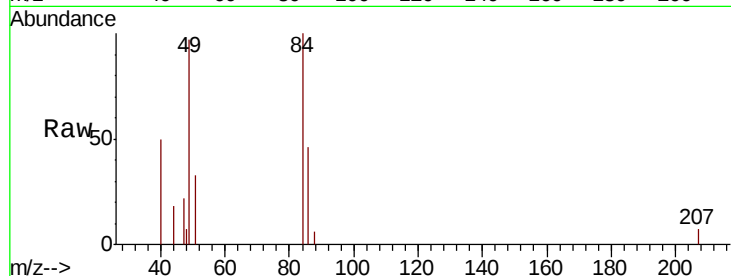




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067146.D
Acq: 07 Oct 2020 12:21

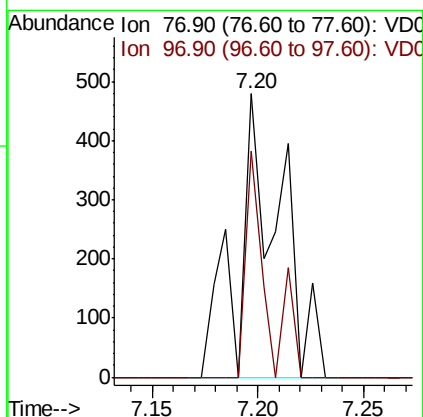
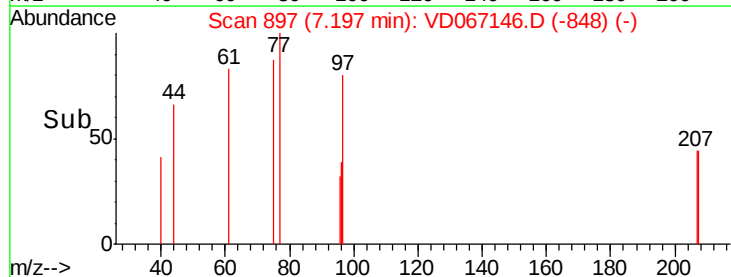
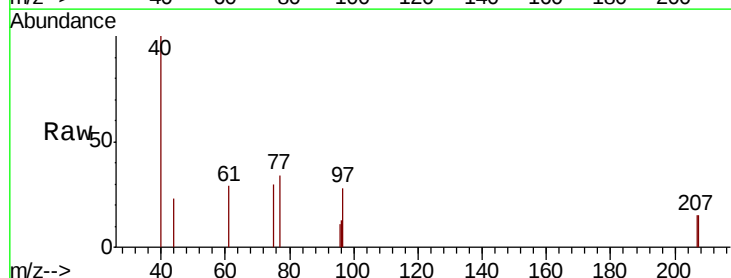
Instrument :
MSVOA_D
ClientSampleId :
OK-01-100620

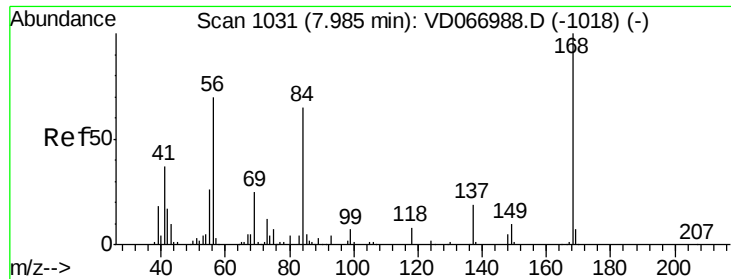
Tot Ion: 84 Resp: 8790
Ion Ratio Lower Upper
84 100
49 96.7 88.2 132.2
51 33.0 26.6 39.8
86 45.7 52.1 78.1#



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067146.D
Acq: 07 Oct 2020 12:21

Tgt Ion: 77 Resp: 666
Ion Ratio Lower Upper
77 100
97 28.4 11.4 34.2

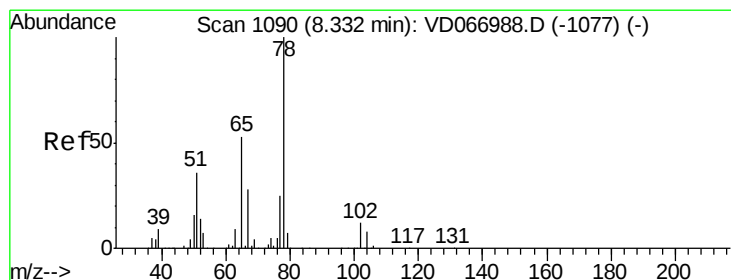
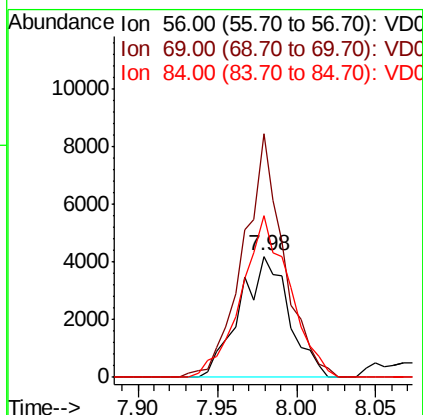
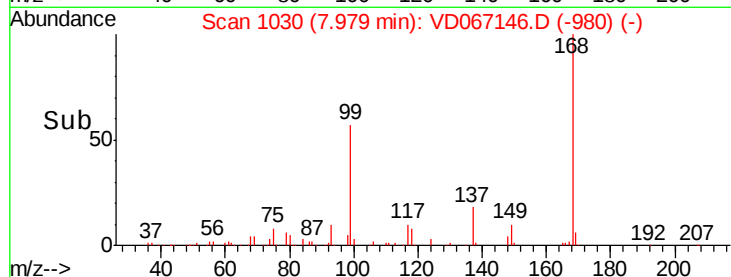
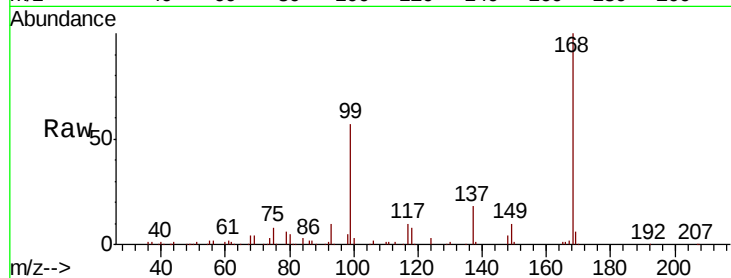




#31
Cyclohexane
Concen: 1.514 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067146.D
Acq: 07 Oct 2020 12:21

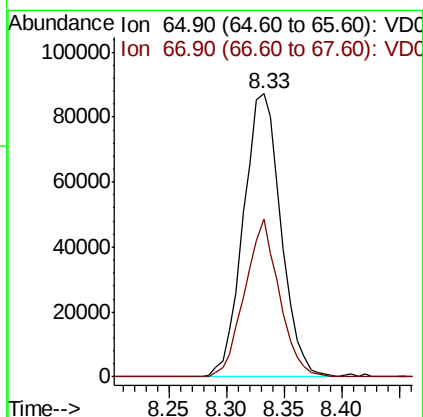
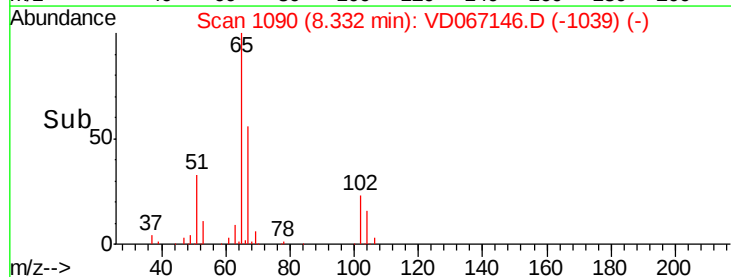
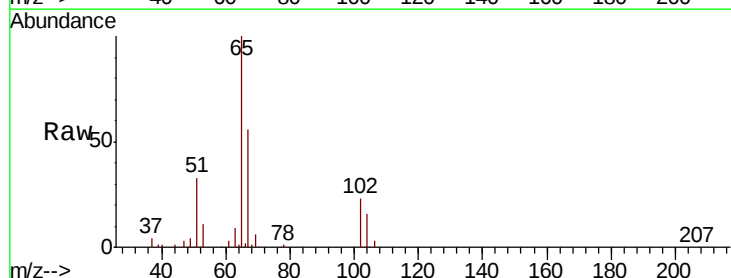
Instrument :
MSVOA_D
ClientSampleId :
OK-01-100620

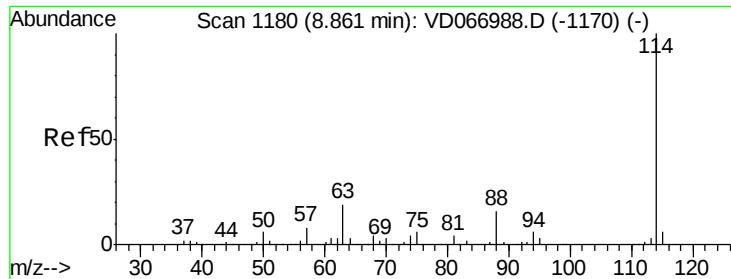
Tot Ion: 56 Resp: 9070
Ion Ratio Lower Upper
56 100
69 201.5 29.0 43.6#
84 133.7 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 49.675 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD067146.D
Acq: 07 Oct 2020 12:21

Tgt Ion: 65 Resp: 198147
Ion Ratio Lower Upper
65 100
67 51.0 0.0 106.8

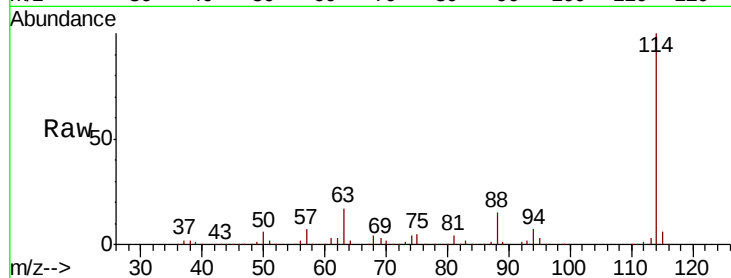




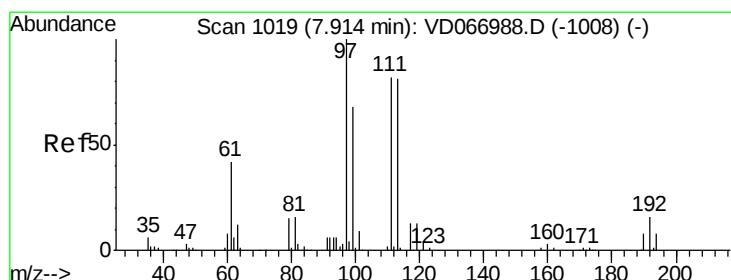
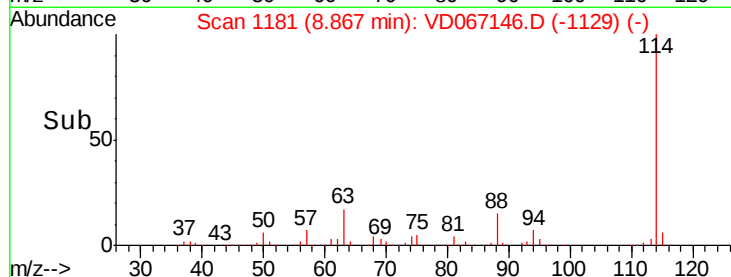
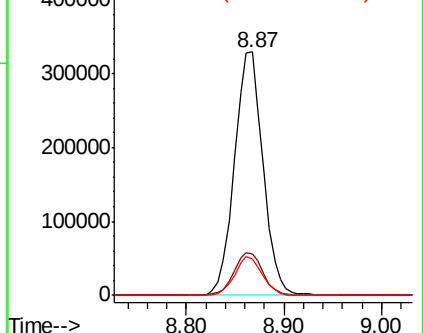
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067146.D
 Acq: 07 Oct 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-100620

Tot Ion:114 Resp: 667181
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 38.4
 88 14.9 0.0 31.2

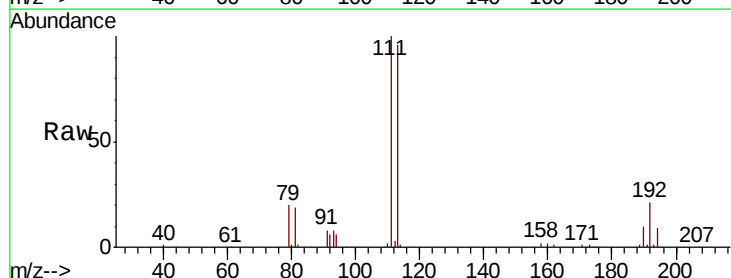


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

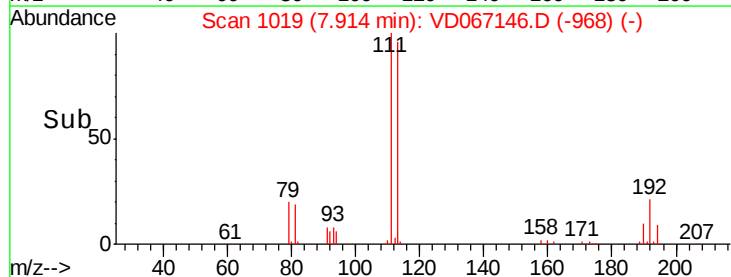
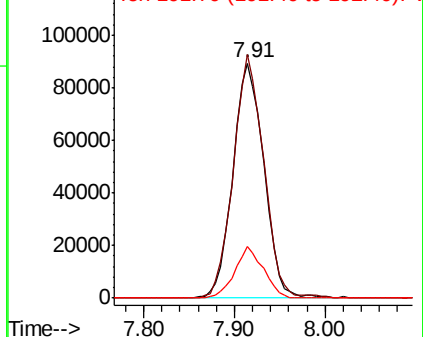


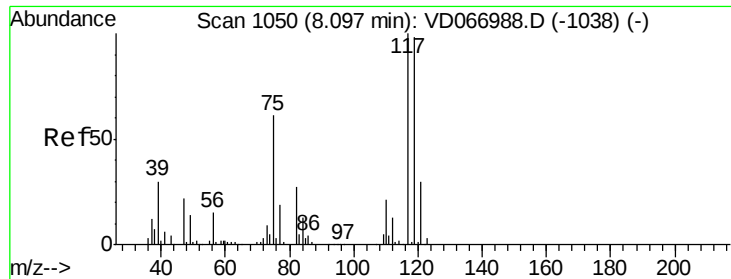
#35
 Dibromofluoromethane
 Concen: 48.669 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067146.D
 Acq: 07 Oct 2020 12:21

Tgt Ion:113 Resp: 212583
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.0 124.4
 192 20.3 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





#38

Carbon Tetrachloride

Concen: 6.305 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067146.D

Acq: 07 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

OK-01-100620

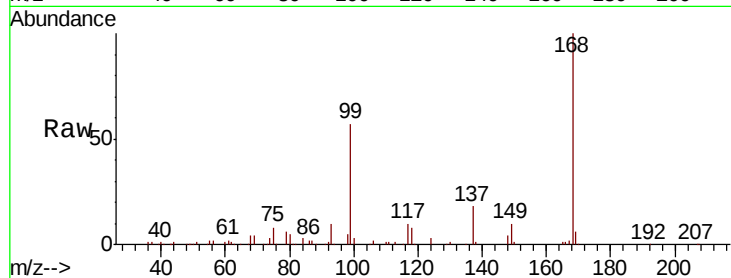
Tot Ion:117 Resp: 42427

Ion Ratio Lower Upper

117 100

119 4.1 78.7 118.1#

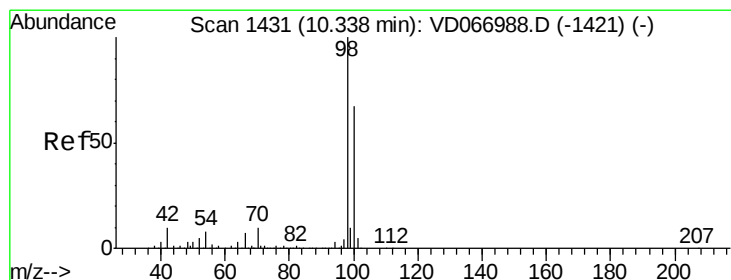
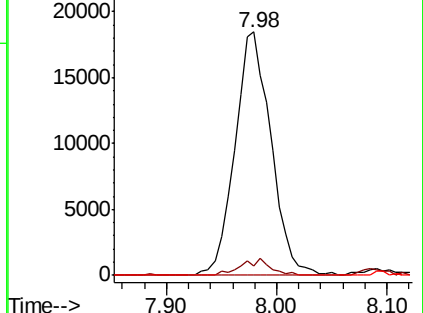
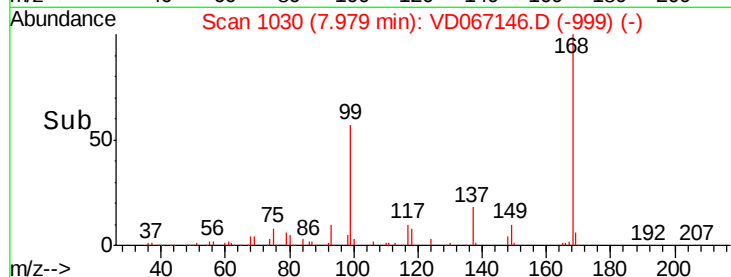
121 0.0 24.2 36.2#



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: 48.529 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD067146.D

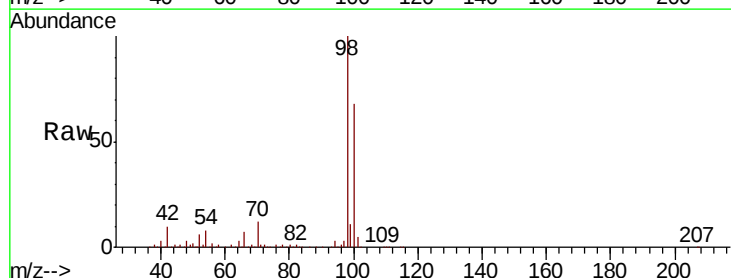
Acq: 07 Oct 2020 12:21

Tgt Ion: 98 Resp: 772398

Ion Ratio Lower Upper

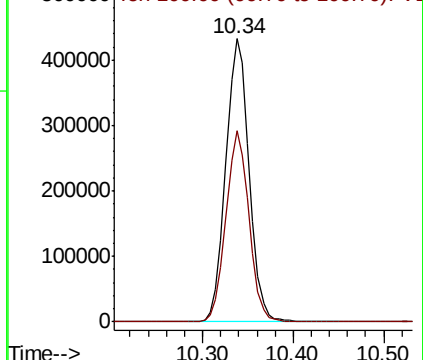
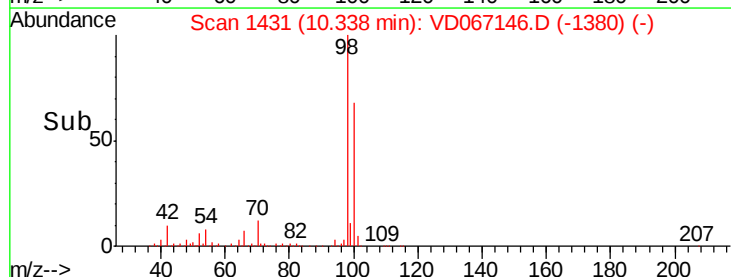
98 100

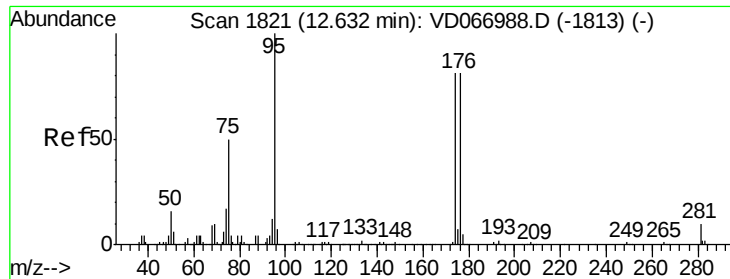
100 66.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

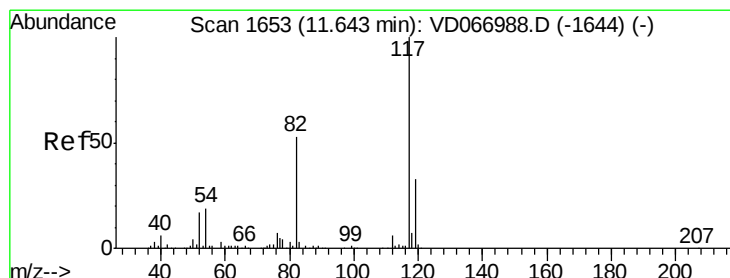
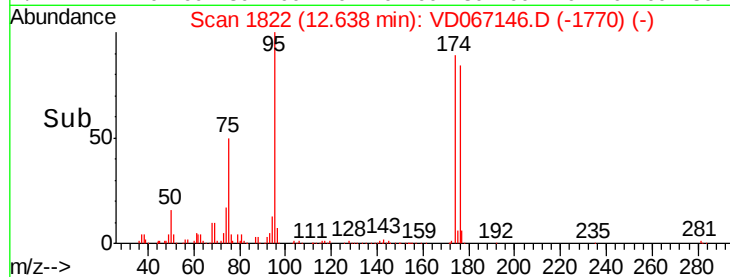
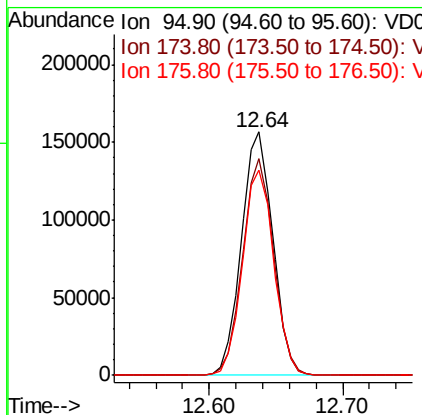
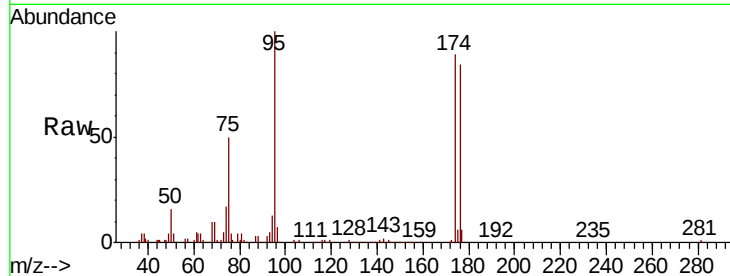




#62
4-Bromofluorobenzene
Concen: 47.051 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067146.D
Acq: 07 Oct 2020 12:21

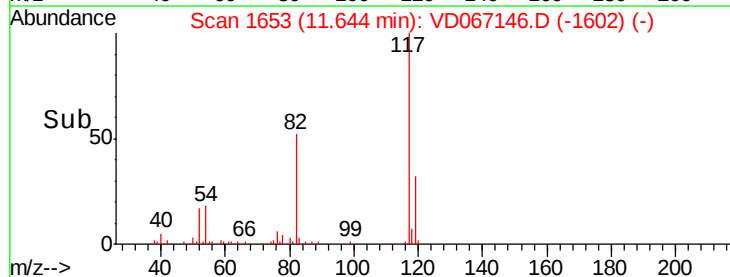
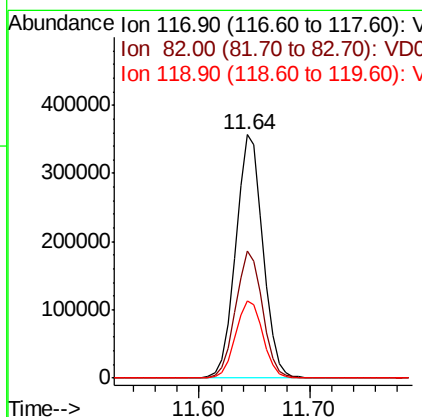
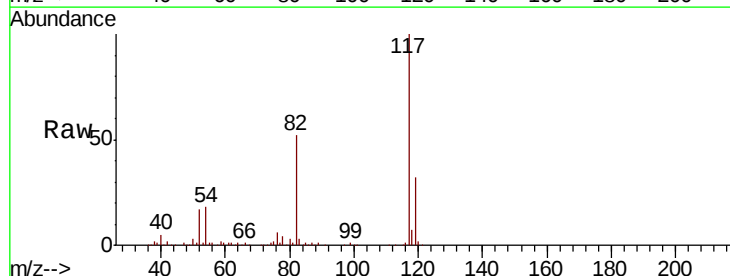
Instrument :
MSVOA_D
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OK-01-100620

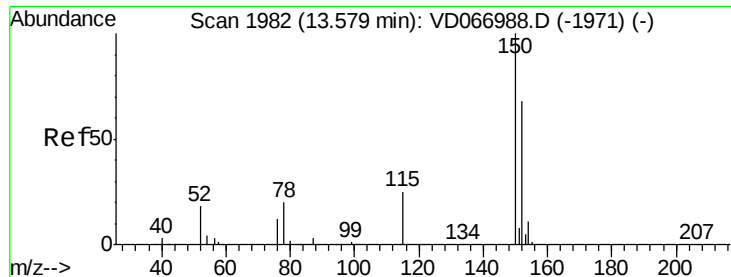
Tot Ion: 95 Resp: 254226
Ion Ratio Lower Upper
95 100
174 87.6 0.0 167.6
176 84.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067146.D
Acq: 07 Oct 2020 12:21

Tgt Ion: 117 Resp: 617106
Ion Ratio Lower Upper
117 100
82 52.4 42.6 63.8
119 31.6 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: VD067146.D

Acq: 07 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

OK-01-100620

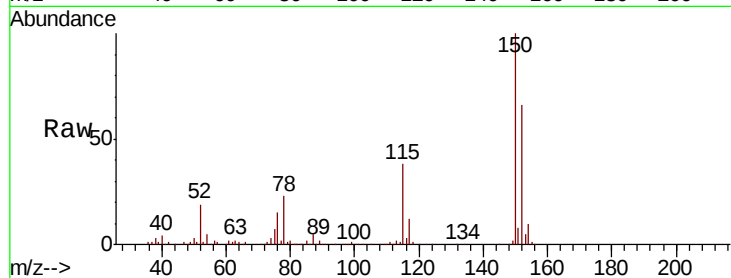
Tot Ion:152 Resp: 281504

Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.8

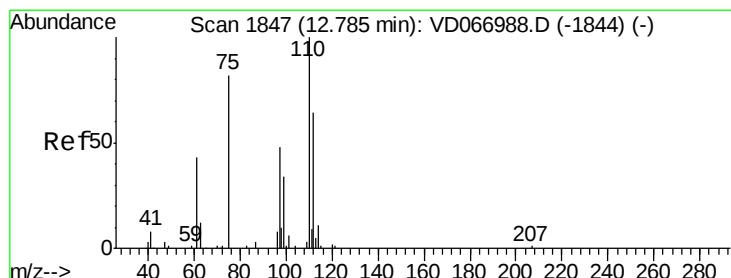
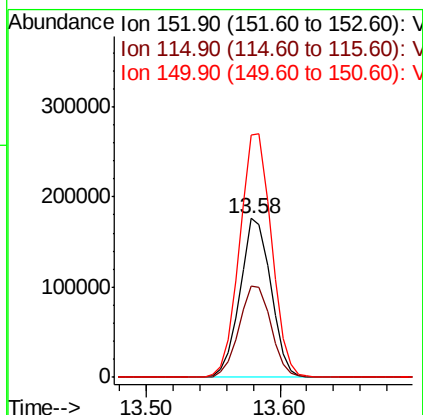
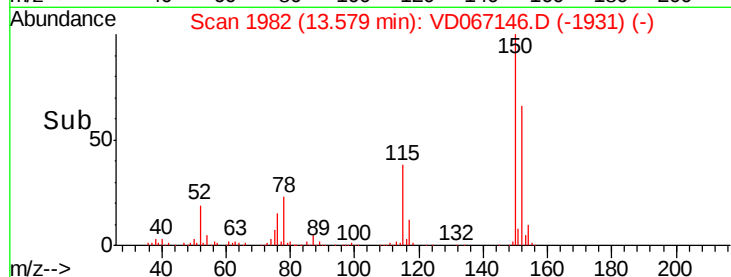
150 158.3 0.0 344.8



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: 52.593 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067146.D

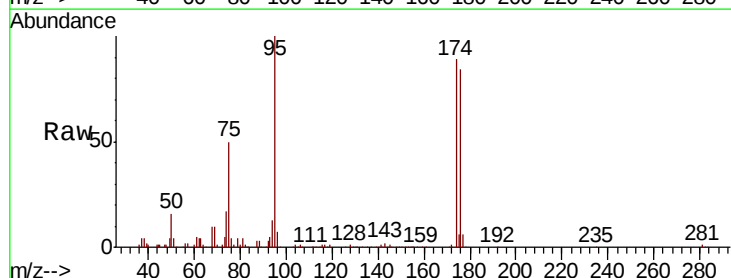
Acq: 07 Oct 2020 12:21

Tgt Ion: 75 Resp: 128958

Ion Ratio Lower Upper

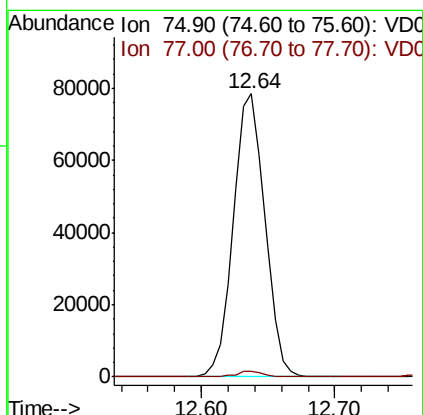
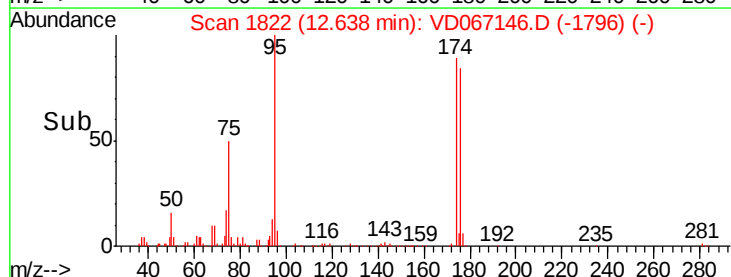
75 100

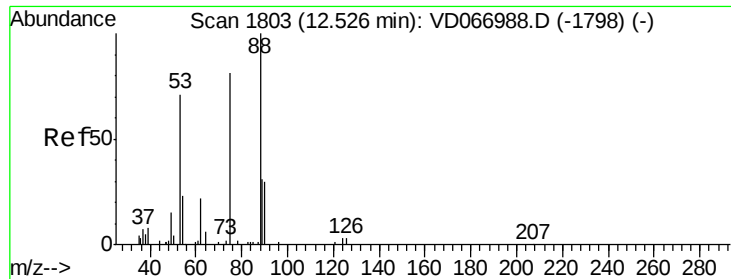
77 1.5 0.0 0.0#



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: 131.121 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067146.D

Acq: 07 Oct 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

OK-01-100620

Tot Ion: 75 Resp: 128958

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.1 38.9 58.3#

