

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100520\
 Data File : VD067078.D
 Acq On : 05 Oct 2020 12:46
 Operator : VA/SY
 Sample : L4230-07
 Misc : 7.46G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 24702

Quant Time: Oct 06 07:16:21 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

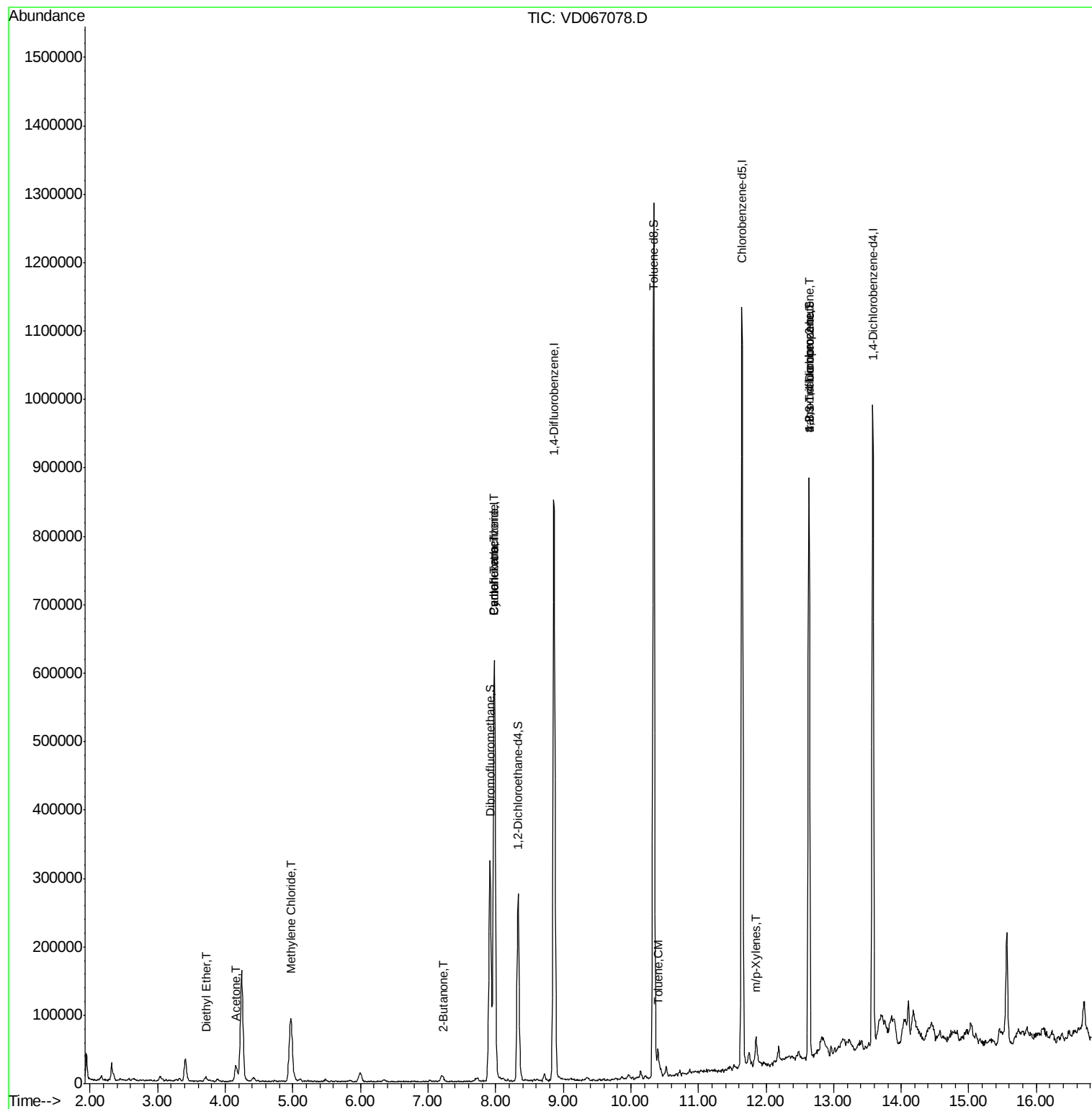
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	474392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	766709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	681007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	214297	46.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.80%	
35) Dibromofluoromethane	7.91	113	237899	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	
50) Toluene-d8	10.34	98	879789	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.64	95	286545	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.30%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	851	Below Cal		79
5) Bromomethane	2.79	94	668	Below Cal	#	67
8) Diethyl Ether	3.71	74	3214	1.540	ug/l	99
11) Tert butyl alcohol	5.22	59	976	Below Cal	#	89
16) Acetone	4.16	43	43009	61.661	ug/l	95
20) Methylene Chloride	4.97	84	79594	10.305	ug/l	97
25) 2-Butanone	7.23	43	5460	5.521	ug/l	# 74
26) 2,2-Dichloropropane	7.21	77	472	Below Cal	#	53
31) Cyclohexane	7.98	56	9807	1.429	ug/l	# 1
38) Carbon Tetrachloride	7.98	117	46292	5.987	ug/l	# 15
52) Toluene	10.40	92	14393	1.126	ug/l	95
68) m/p-Xylenes	11.84	106	14800	1.636	ug/l	88
76) 1,2,3-Trichloropropane	12.64	75	138000	59.361	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	138000	147.994	ug/l	# 12

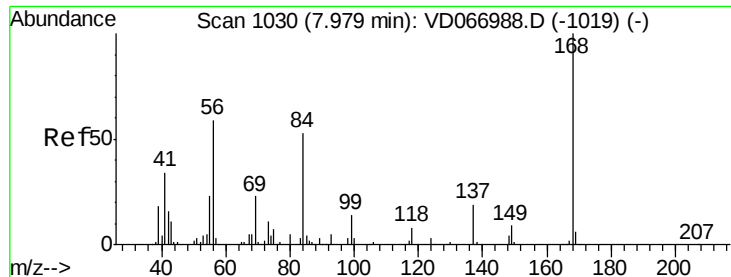
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100520\
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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: VD067078.D

Acq: 05 Oct 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

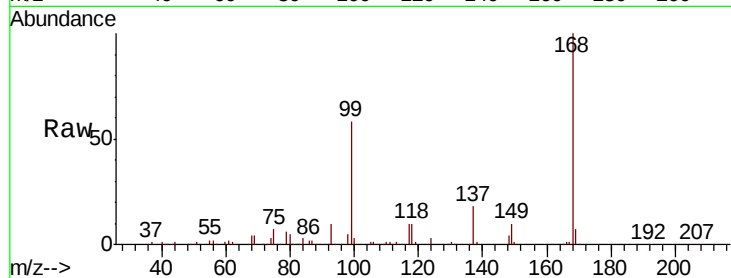
24702

Tot Ion:168 Resp: 474392

Ion Ratio Lower Upper

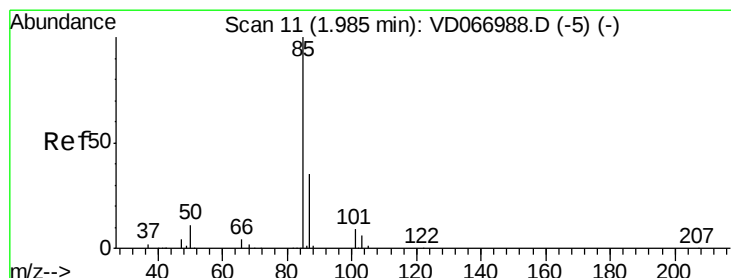
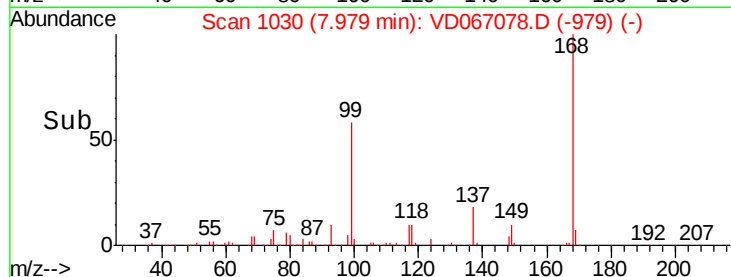
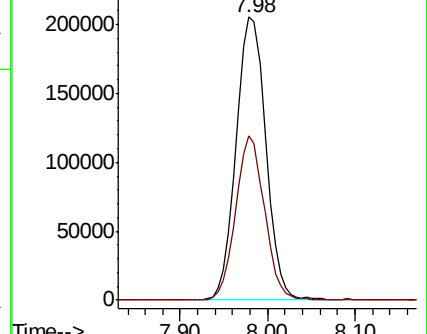
168 100

99 58.1 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: VD067078.D

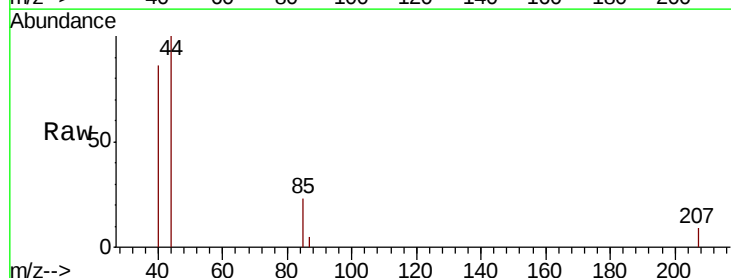
Acq: 05 Oct 2020 12:46

Tgt Ion: 85 Resp: 851

Ion Ratio Lower Upper

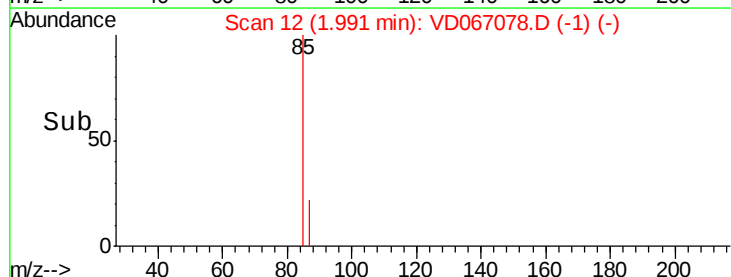
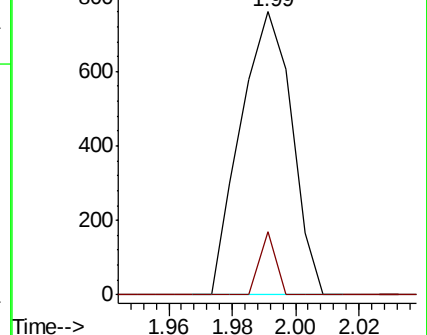
85 100

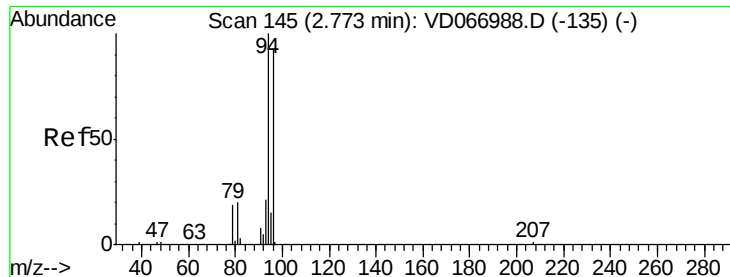
87 22.4 17.3 52.0



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: VD067078.D

Acq: 05 Oct 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

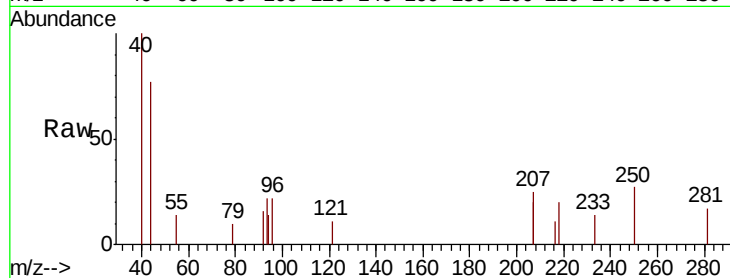
24702

Tot Ion: 94 Resp: 668

Ion Ratio Lower Upper

94 100

96 61.9 74.6 112.0#

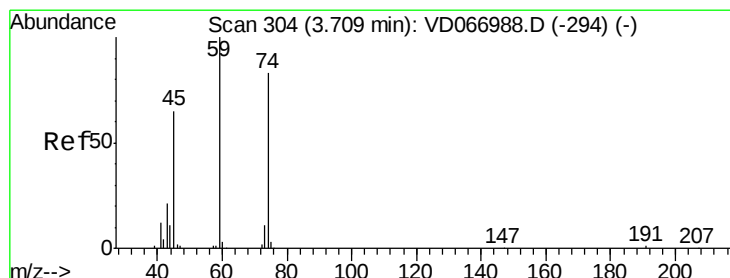
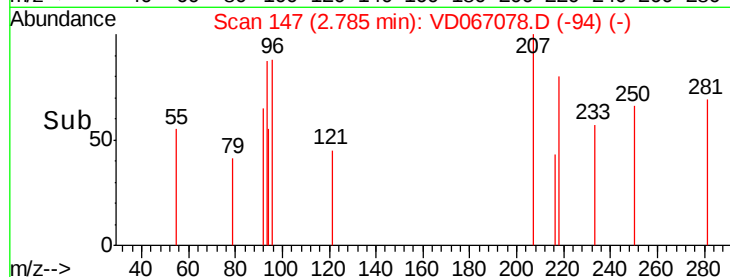


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

Time-->



#8

Diethyl Ether

Concen: 1.540 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD067078.D

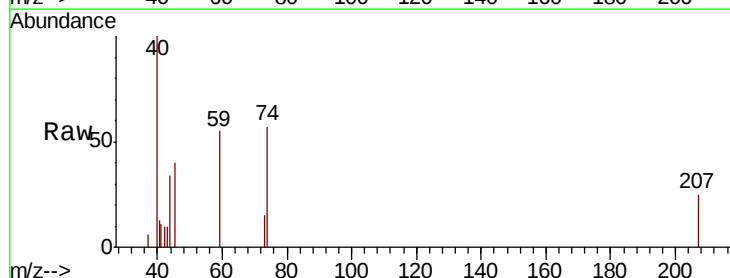
Acq: 05 Oct 2020 12:46

Tgt Ion: 74 Resp: 3214

Ion Ratio Lower Upper

74 100

45 86.7 43.1 129.3

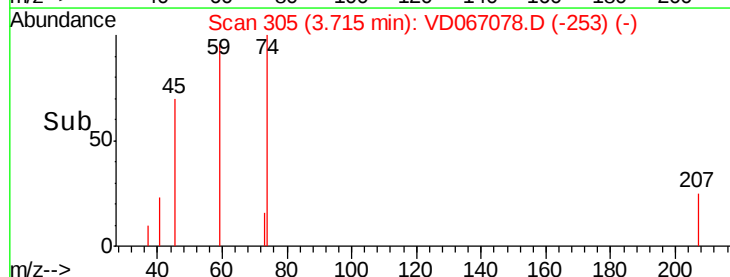


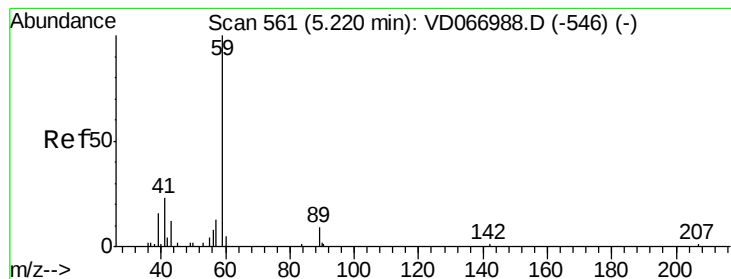
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

Time-->



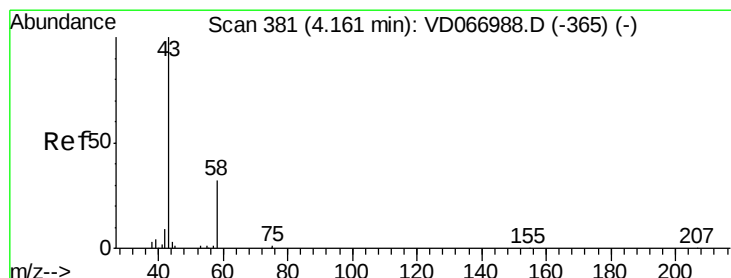
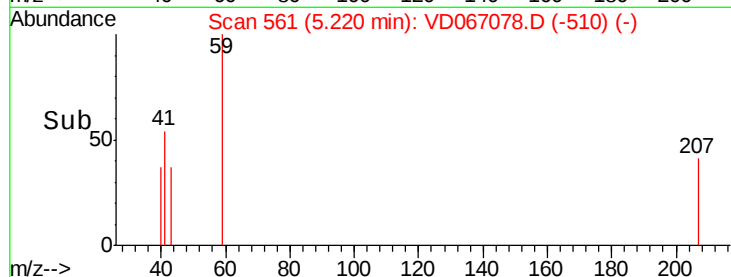
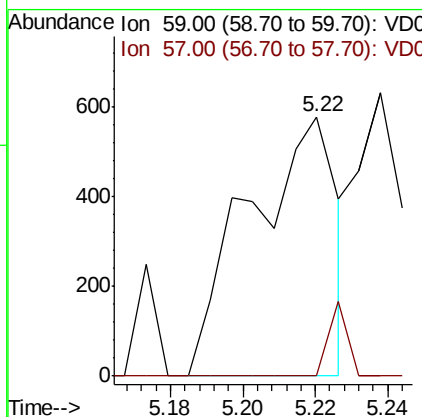
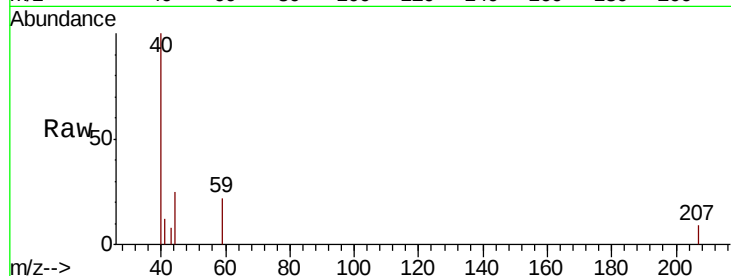


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067078.D
 Acq: 05 Oct 2020 12:46

Instrument :
 MSVOA_D
 ClientSampleID :
 24702

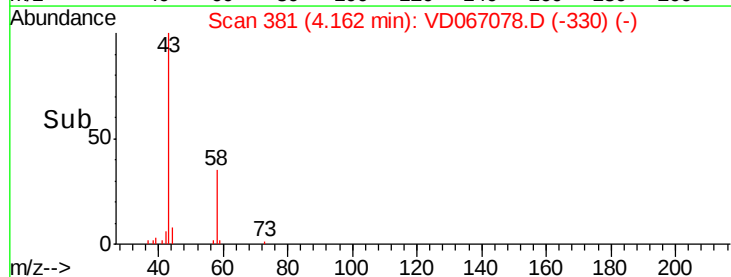
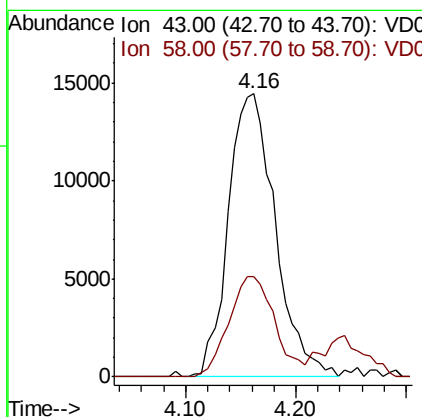
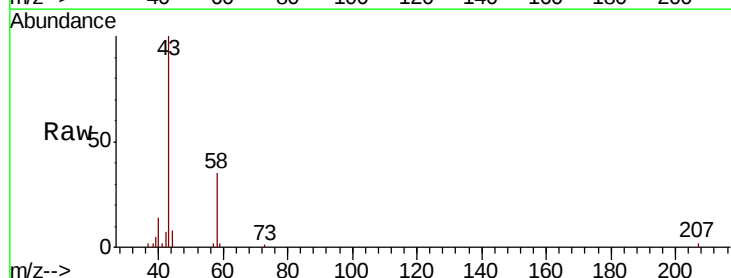
Tot Ion: 59 Resp: 976
 Ion Ratio Lower Upper
 59 100
 57 6.0 8.2 12.4#

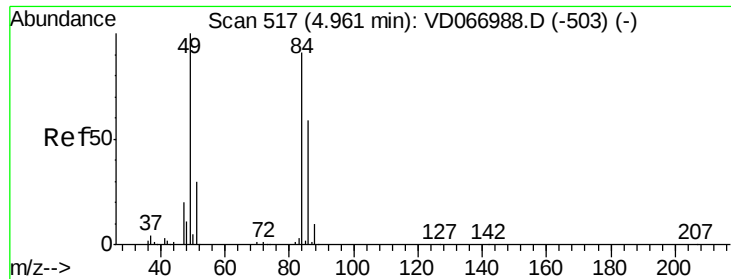


#16

Acetone
 Concen: 61.661 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD067078.D
 Acq: 05 Oct 2020 12:46

Tgt Ion: 43 Resp: 43009
 Ion Ratio Lower Upper
 43 100
 58 35.4 25.9 38.9

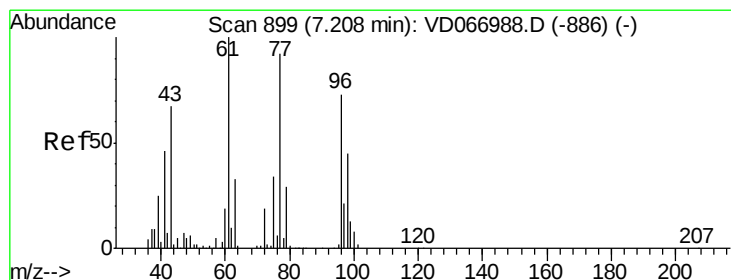
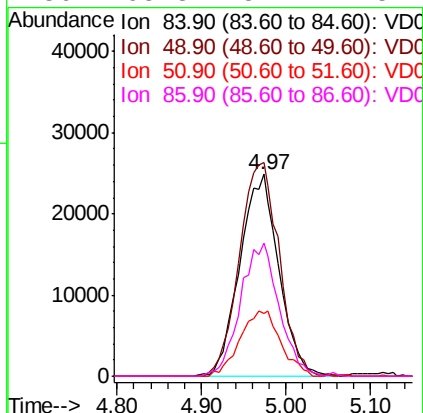
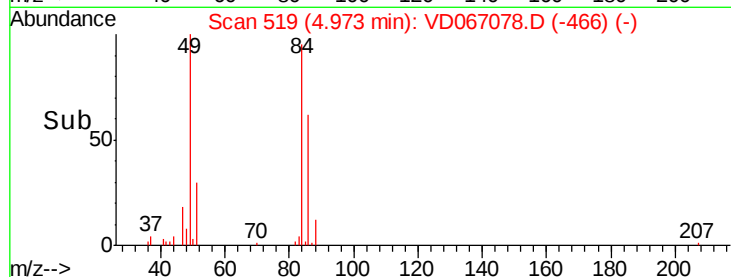
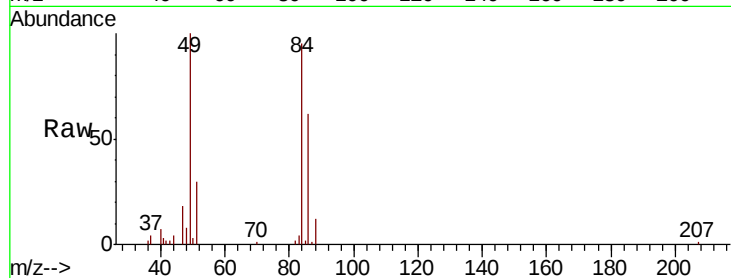




#20
Methvlene Chloride
Concen: 10.305 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

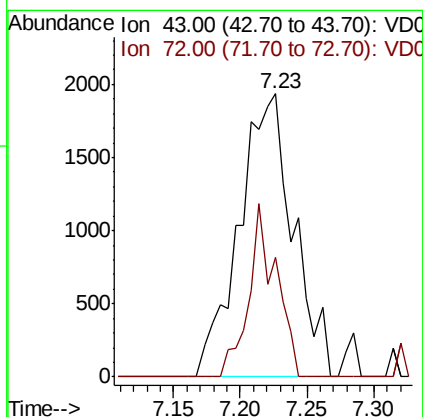
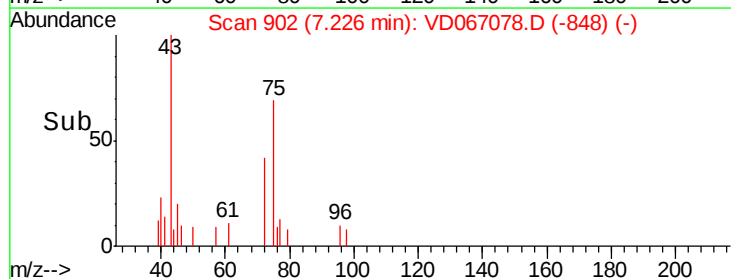
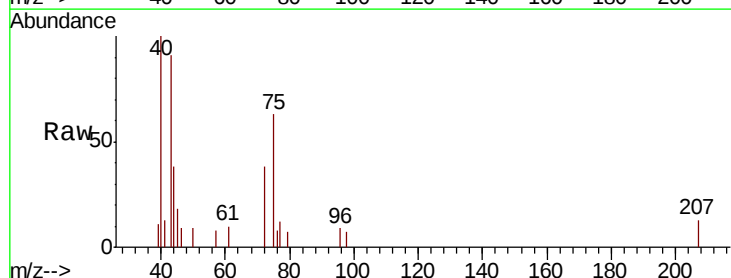
Instrument :
MSVOA_D
ClientSampleId :
24702

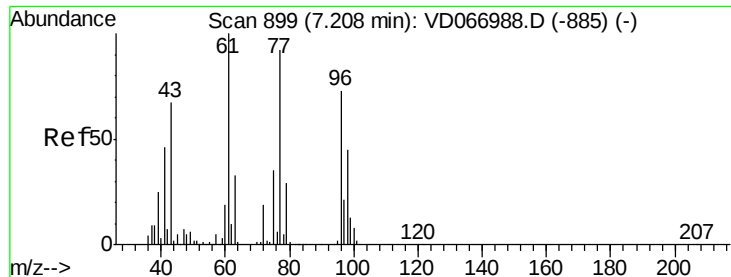
Tot Ion:	84	Resp:	79594
Ion	Ratio	Lower	Upper
84	100		
49	105.7	88.2	132.2
51	31.3	26.6	39.8
86	65.8	52.1	78.1



#25
2-Butanone
Concen: 5.521 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.02 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

Tgt Ion:	43	Resp:	5460
Ion	Ratio	Lower	Upper
43	100		
72	42.2	22.8	34.2#

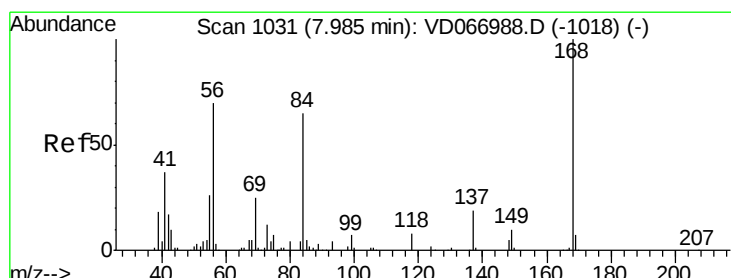
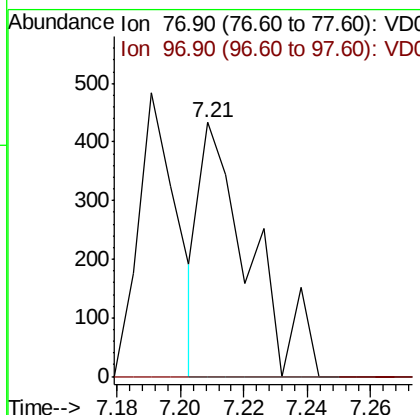
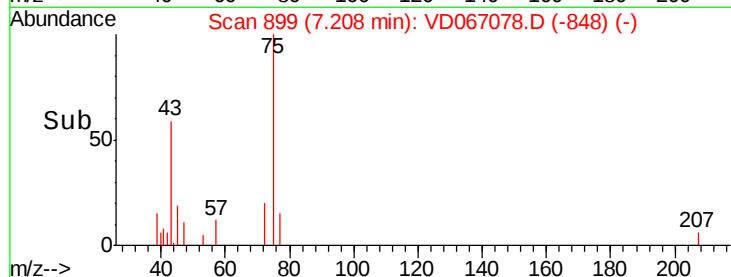
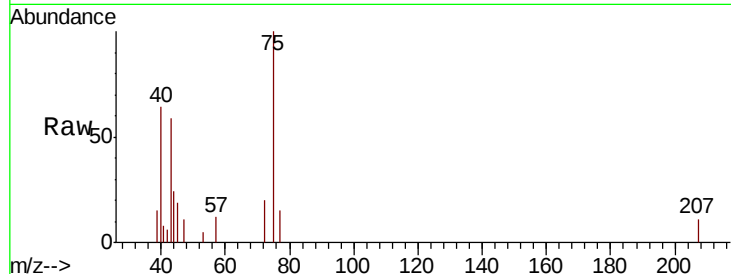




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

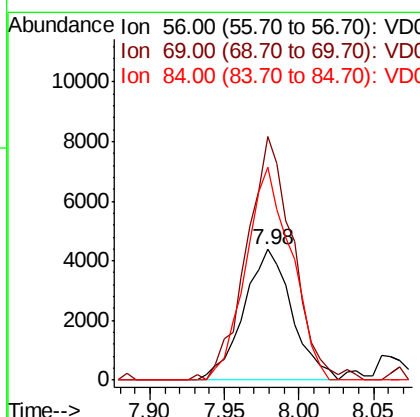
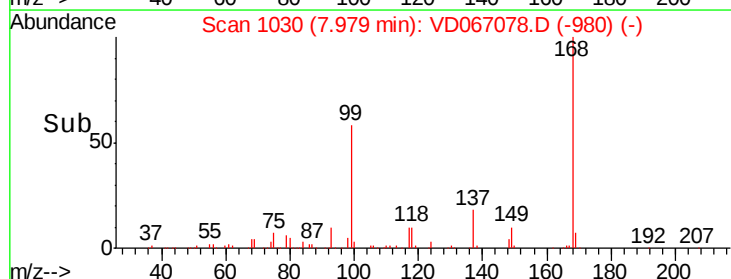
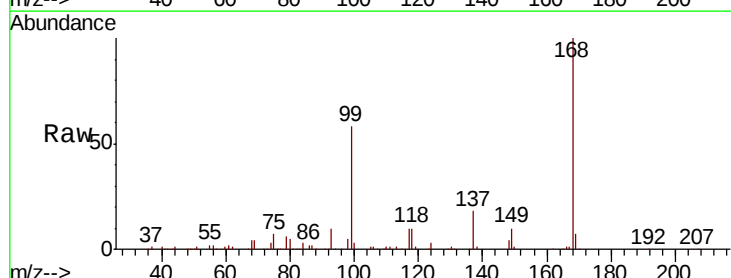
Instrument :
MSVOA_D
ClientSampled :
24702

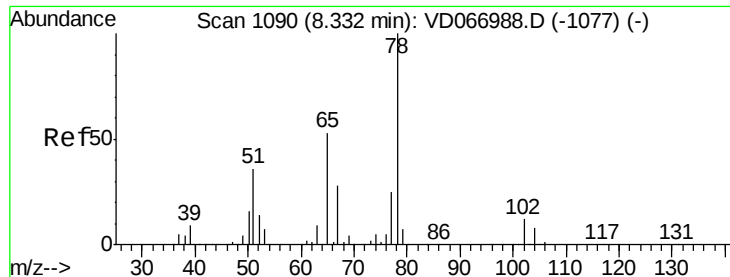
Tot Ion: 77 Resp: 472
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.429 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

Tgt Ion: 56 Resp: 9807
Ion Ratio Lower Upper
56 100
69 186.4 29.0 43.6#
84 163.0 74.2 111.2#





#33

1,2-Dichloroethane-d4

Concen: 46.899 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067078.D

Acq: 05 Oct 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

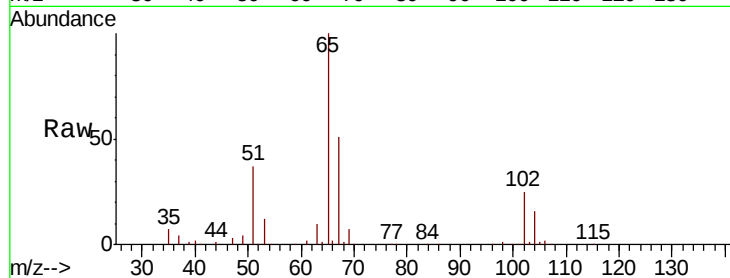
24702

Tot Ion: 65 Resp: 214297

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

8.33

100000

80000

60000

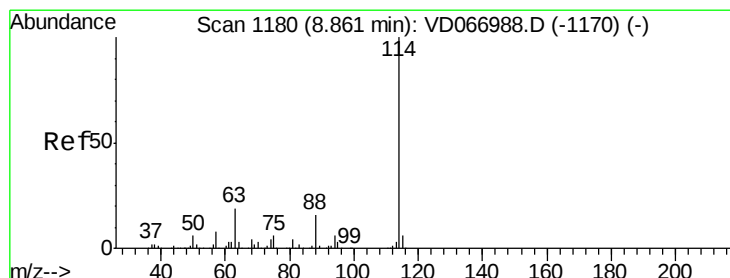
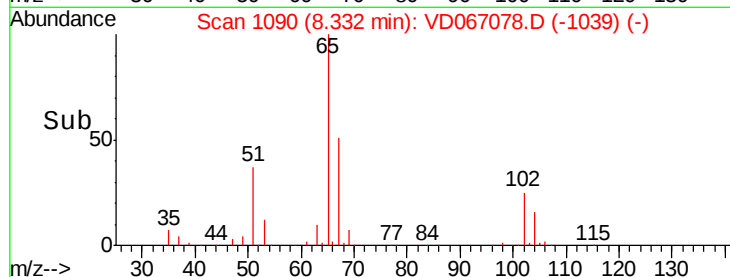
40000

20000

0

8.20 8.30 8.40 8.50

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067078.D

Acq: 05 Oct 2020 12:46

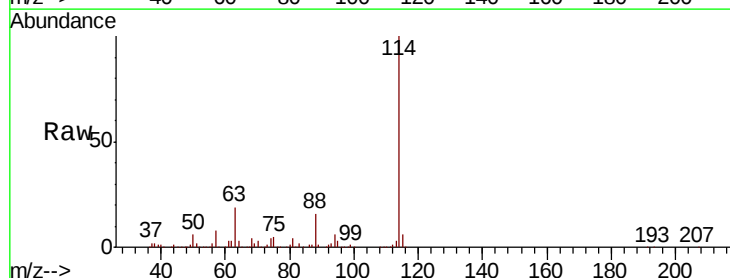
Tgt Ion: 114 Resp: 766709

Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.4

88 15.6 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

8.86

500000

400000

300000

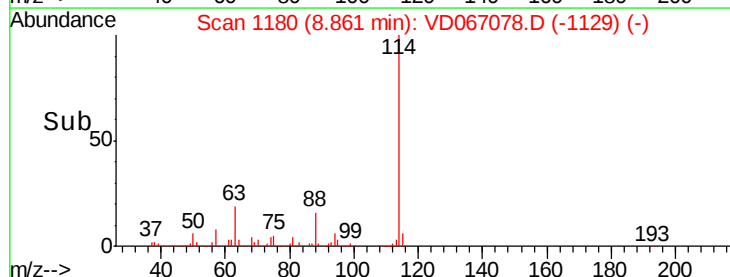
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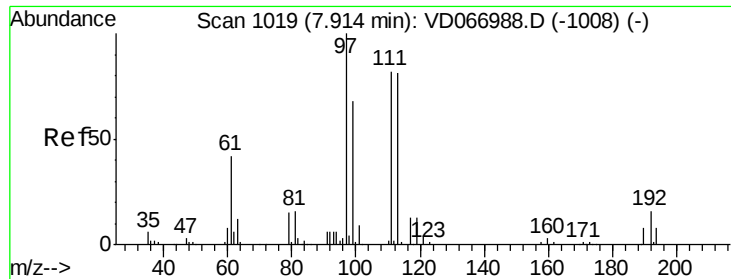
100000

0

8.75 8.80 8.85 8.90 8.95

Time-->

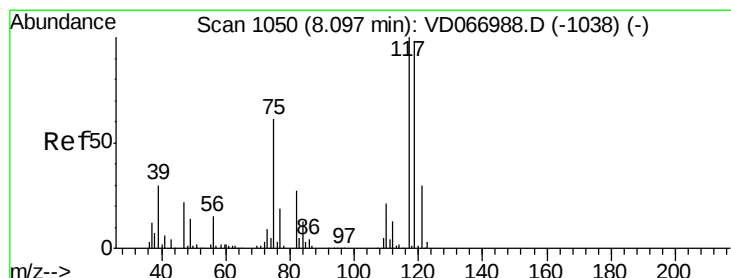
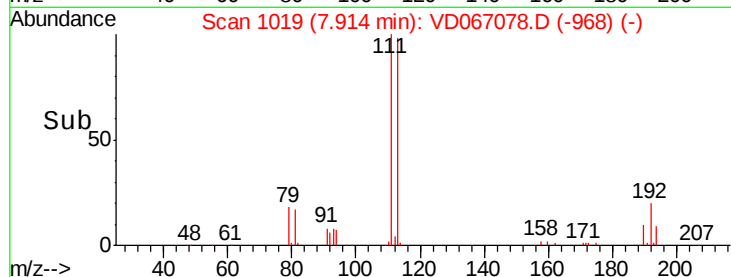
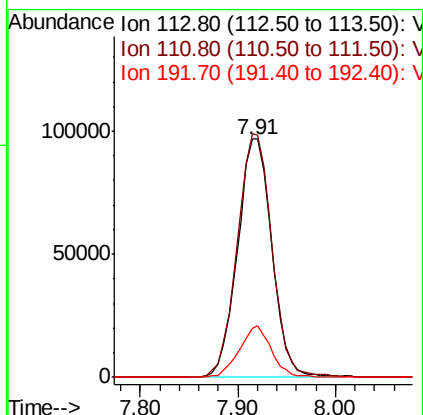
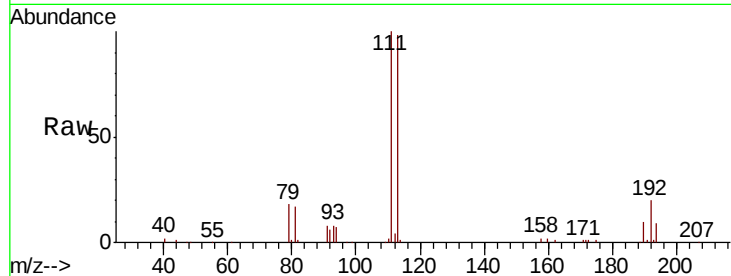




#35
Dibromofluoromethane
Concen: 47.395 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

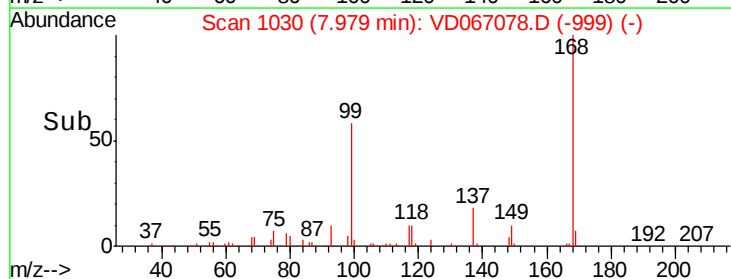
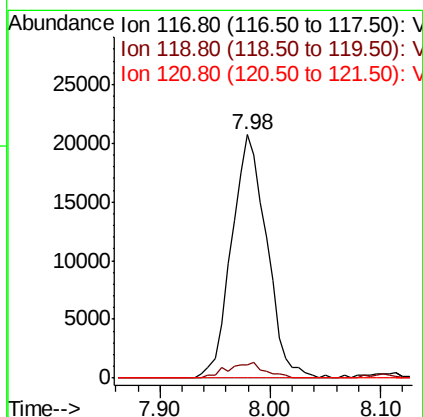
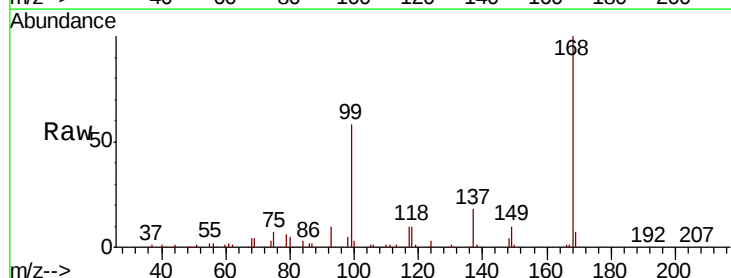
Instrument :
MSVOA_D
ClientSampled :
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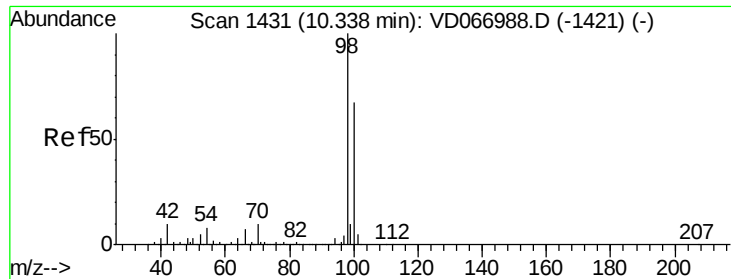
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.0	124.4
192	20.3	15.5	23.3



#38
Carbon Tetrachloride
Concen: 5.987 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.7	118.1#
121	0.0	24.2	36.2#

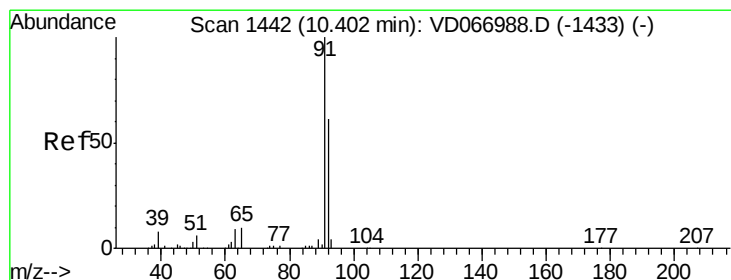
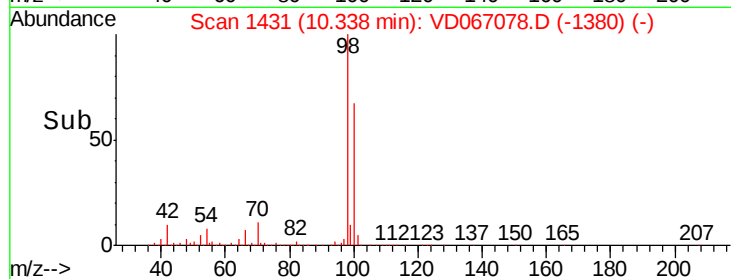
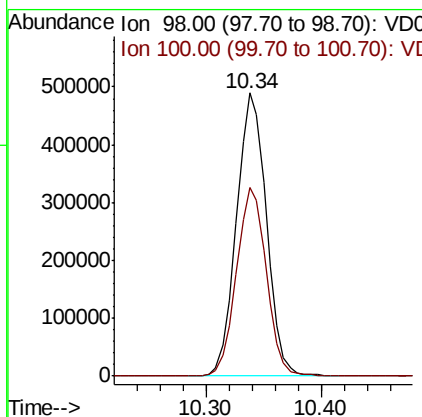
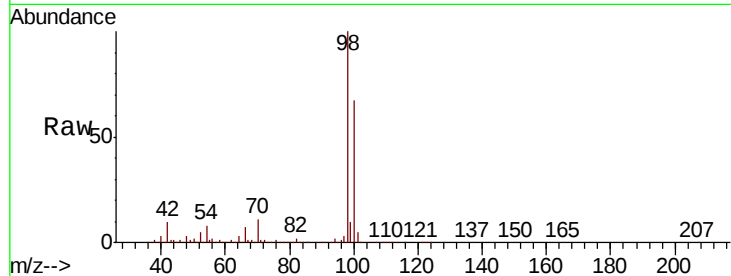




#50
Toluene-d8
Concen: 48.101 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

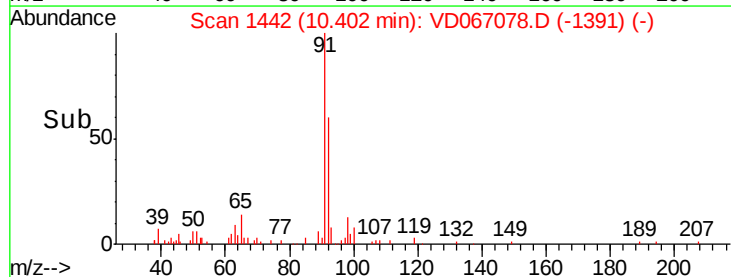
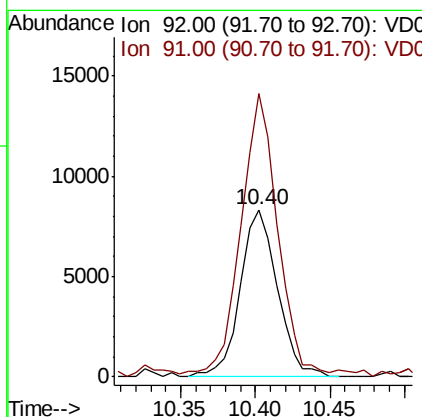
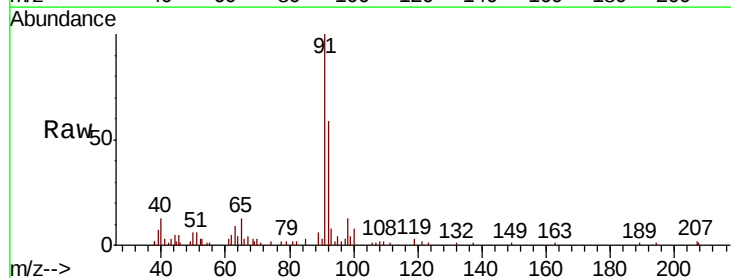
Instrument :
MSVOA_D
ClientSampleId :
24702

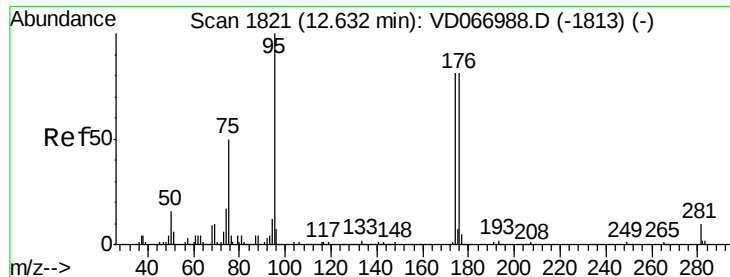
Tot Ion: 98 Resp: 879789
Ion Ratio Lower Upper
98 100
100 66.9 52.8 79.2



#52
Toluene
Concen: 1.126 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

Tgt Ion: 92 Resp: 14393
Ion Ratio Lower Upper
92 100
91 162.1 135.1 202.7

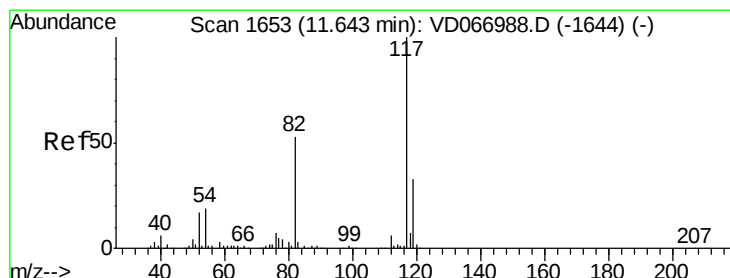
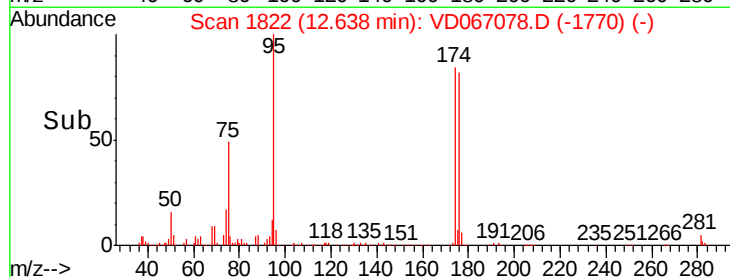
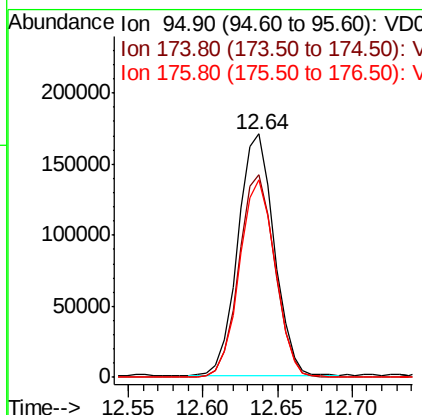
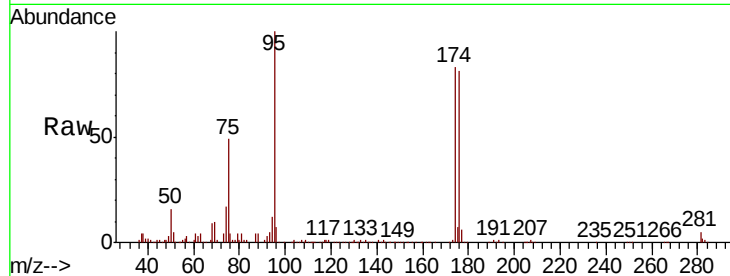




#62
4-Bromofluorobenzene
Concen: 46.149 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

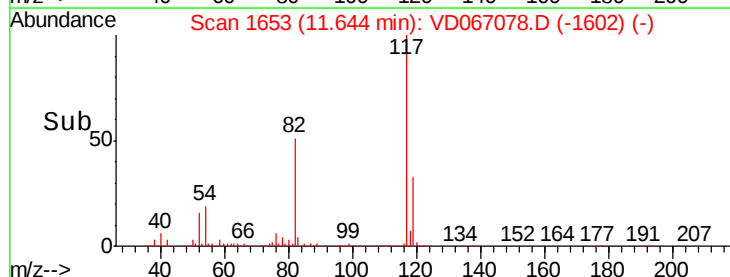
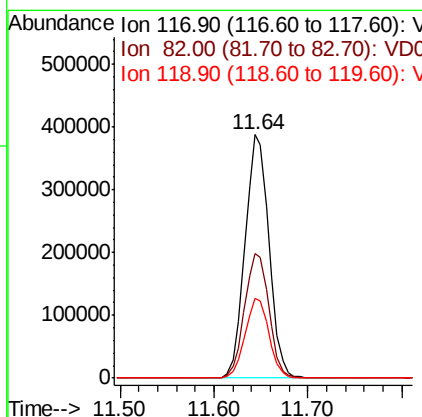
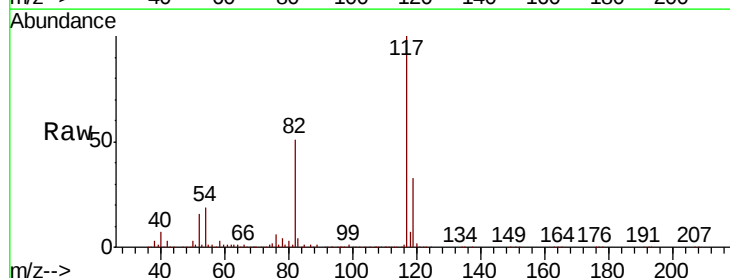
Instrument :
MSVOA_D
ClientSampleId :
24702

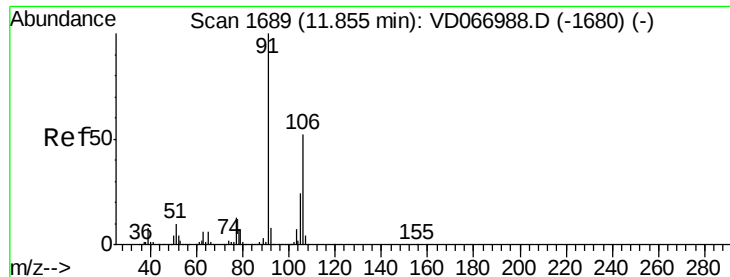
Tot Ion: 95 Resp: 286545
Ion Ratio Lower Upper
95 100
174 83.1 0.0 167.6
176 80.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

Tgt Ion: 117 Resp: 681007
Ion Ratio Lower Upper
117 100
82 51.1 42.6 63.8
119 32.6 26.3 39.5

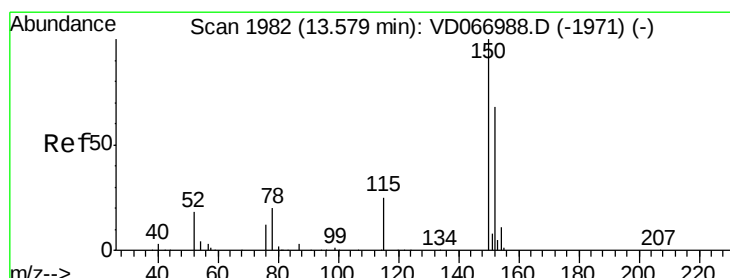
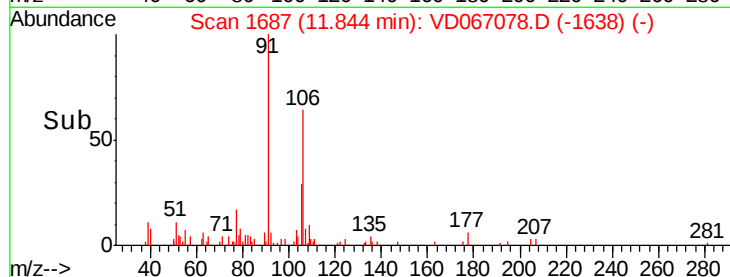
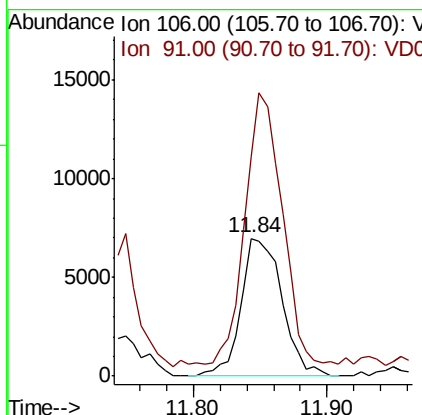
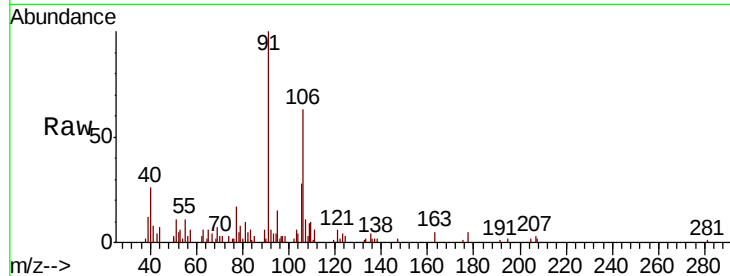




#68
m/p-Xvlenes
Concen: 1.636 ug/l
RT: 11.84 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

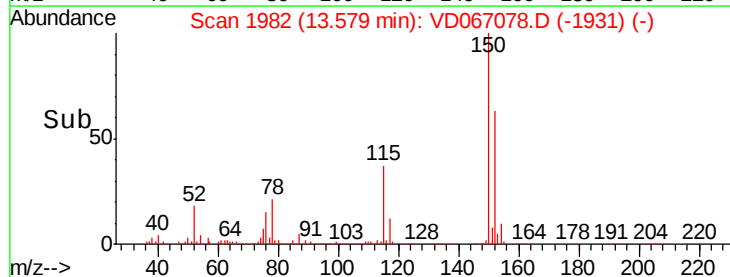
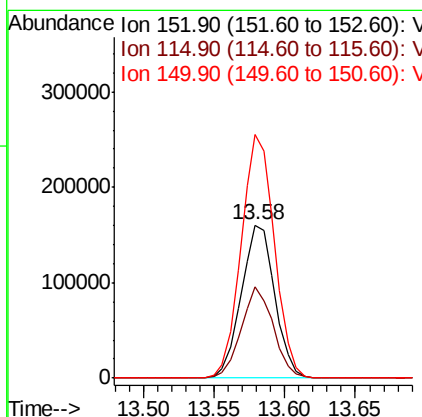
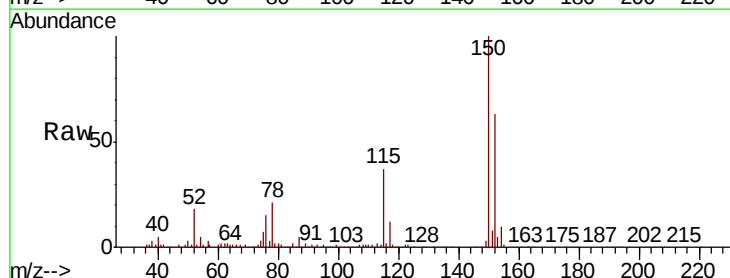
Instrument :
MSVOA_D
ClientSampleId :
24702

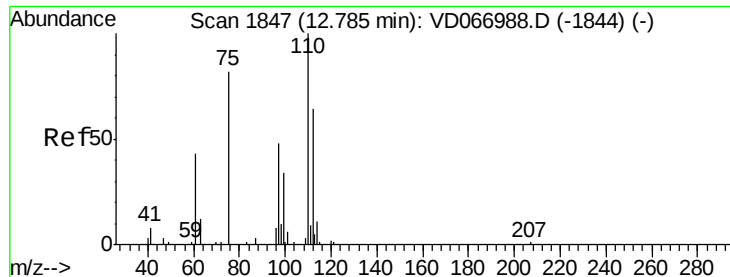
Tot Ion:106 Resp: 14800
Ion Ratio Lower Upper
106 100
91 179.9 158.4 237.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067078.D
Acq: 05 Oct 2020 12:46

Tgt Ion:152 Resp: 266898
Ion Ratio Lower Upper
152 100
115 57.5 29.6 88.8
150 157.0 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 59.361 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067078.D

Acq: 05 Oct 2020 12:46

Instrument :

MSVOA_D

ClientSampleId :

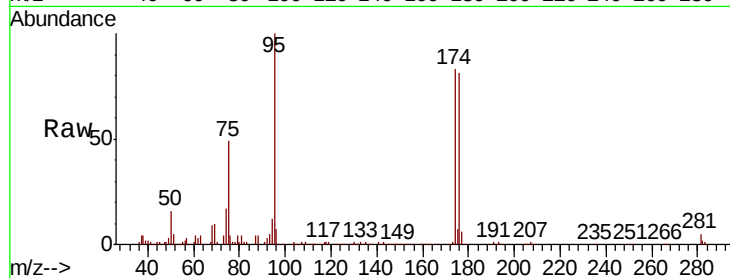
24702

Tot Ion: 75 Resp: 138000

Ion Ratio Lower Upper

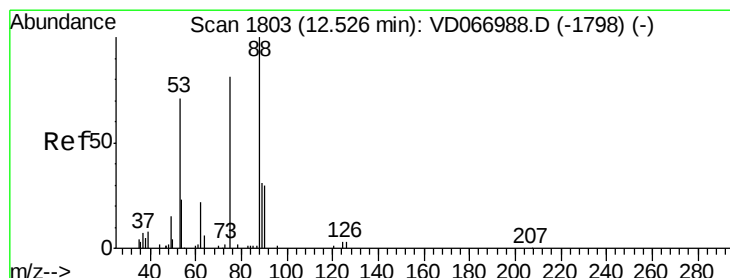
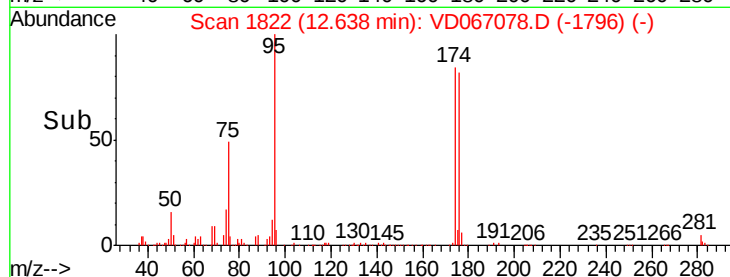
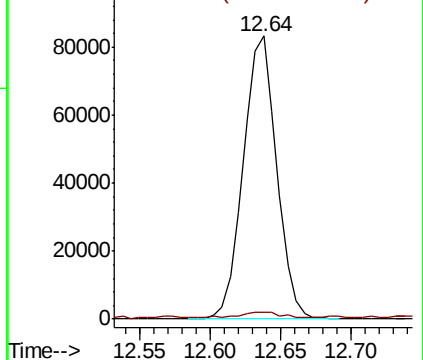
75 100

77 2.6 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: 147.994 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067078.D

Acq: 05 Oct 2020 12:46

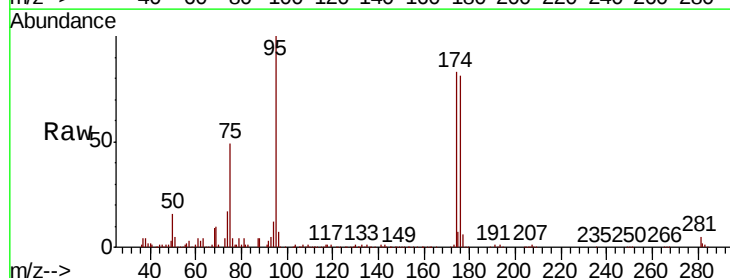
Tgt Ion: 75 Resp: 138000

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

89 0.1 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

