

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071225.D
 Acq On : 09 Dec 2021 13:49
 Operator : VA/SY
 Sample : M4966-19RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:44:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

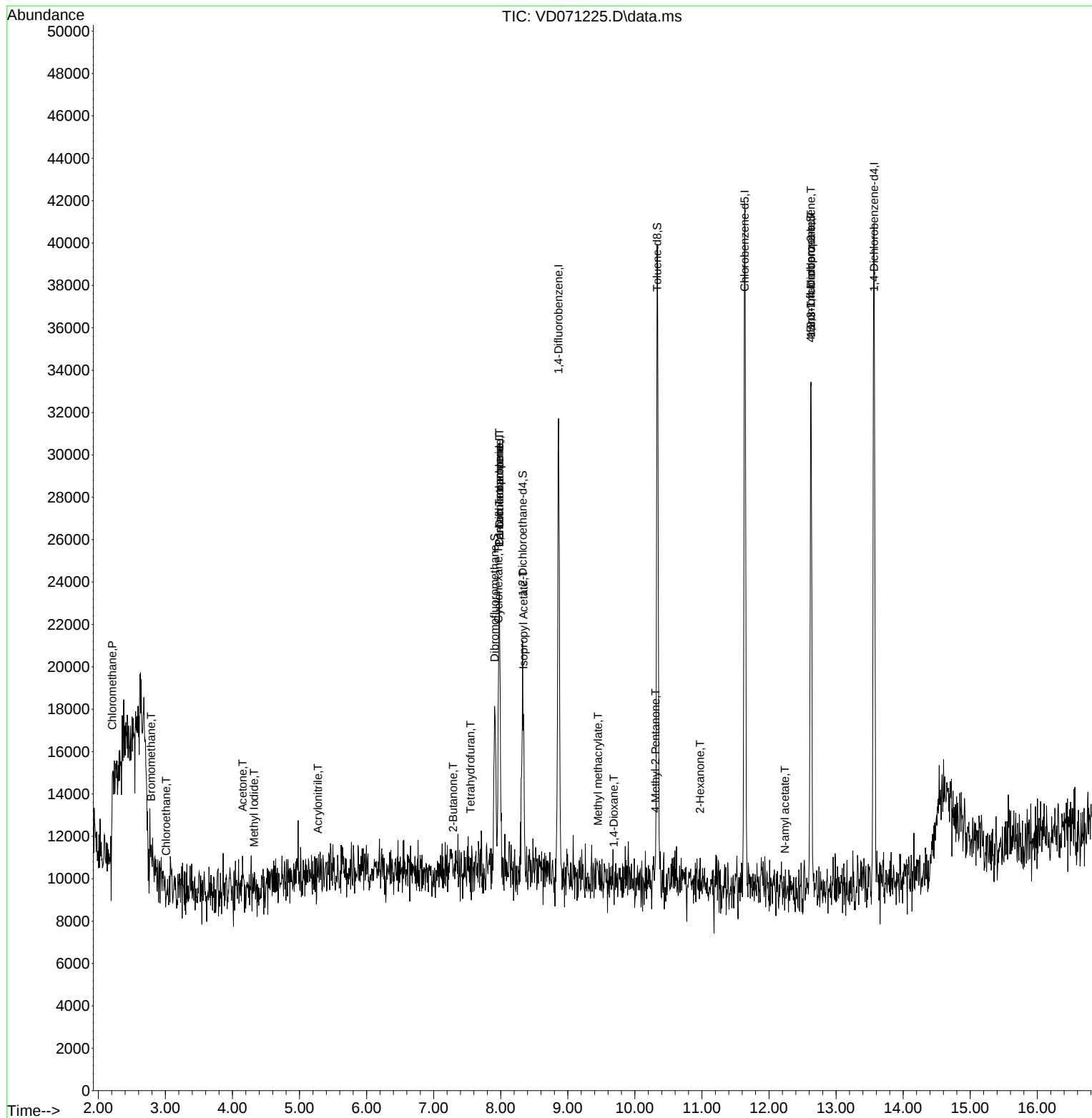
Internal Standards						
1) Pentafluorobenzene	7.979	168	9225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	15821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	8025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	7626	70.452	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.900%			
35) Dibromofluoromethane	7.909	113	4902	48.657	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.320%			
50) Toluene-d8	10.332	98	20013	52.200	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.620	95	7802	58.707	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 117.420%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	493	4.737	ug/l #	42
5) Bromomethane	2.785	94	604	7.216	ug/l	91
6) Chloroethane	3.009	64	89	1.114	ug/l #	39
10) Methyl Iodide	4.320	142	470	8.520	ug/l #	76
15) Acrylonitrile	5.273	53	61	2.941	ug/l #	19
16) Acetone	4.150	43	469	45.103	ug/l #	40
20) Methylene Chloride	4.962	84	376	Below Cal	#	43
25) 2-Butanone	7.291	43	56	29.855	ug/l #	45
29) Tetrahydrofuran	7.550	42	133	7.738	ug/l #	67
31) Cyclohexane	7.967	56	526	2.857	ug/l #	76
36) 1,1-Dichloropropene	7.979	75	1063	7.189	ug/l #	41
38) Carbon Tetrachloride	7.979	117	921	6.319	ug/l #	12
41) Methacrylonitrile	7.579	41	149	Below Cal	#	37
43) Isopropyl Acetate	8.338	43	180	6.370	ug/l #	87
48) Methyl methacrylate	9.450	41	74	1.184	ug/l #	15
49) 1,4-Dioxane	9.685	88	56	105.860	ug/l #	23
51) 4-Methyl-2-Pentanone	10.308	43	60	31.383	ug/l #	34
59) 2-Hexanone	10.973	43	112	36.352	ug/l #	22
74) N-amyl acetate	12.238	43	64	6.057	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	4400	57.547	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	4400	124.830	ug/l #	18

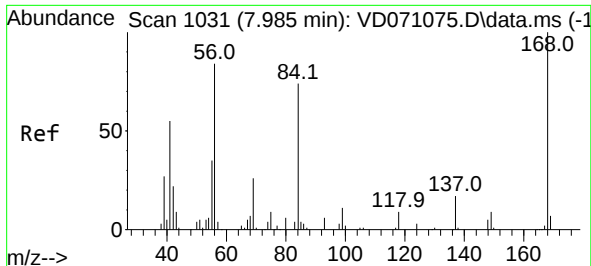
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
Data File : VD071225.D
Acq On : 09 Dec 2021 13:49
Operator : VA/SY
Sample : M4966-19RE
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 10 06:44:08 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

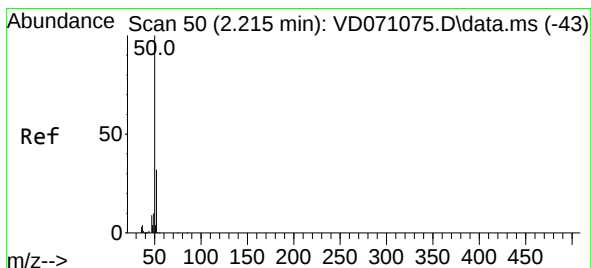
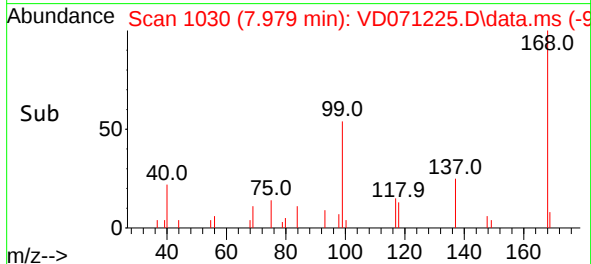
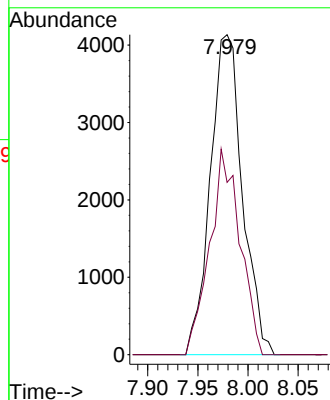
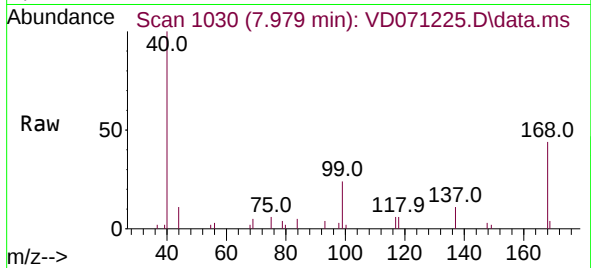




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

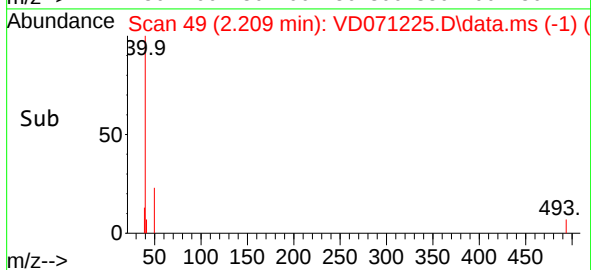
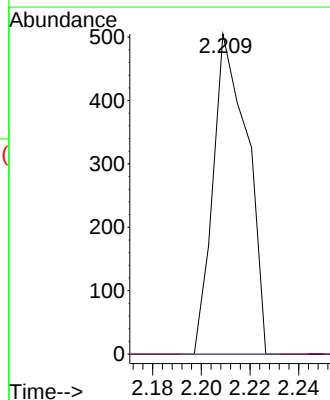
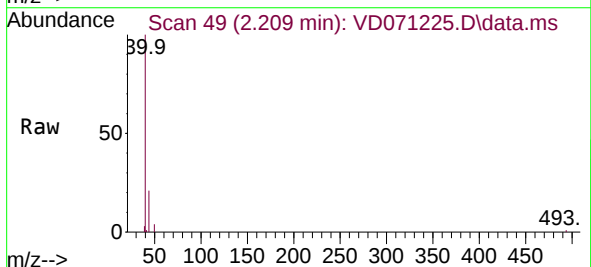
Instrument :
MSVOA_D
ClientSampleId :

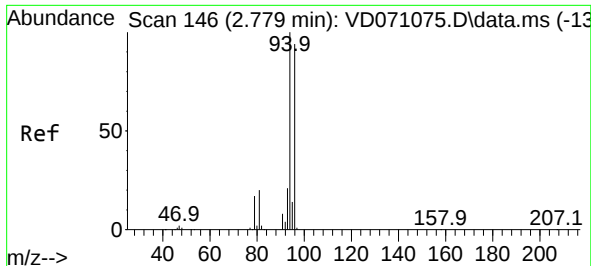
Tgt Ion:168 Resp: 9225
Ion Ratio Lower Upper
168 100
99 53.9 46.6 69.8



#3
Chloromethane
Concen: 4.737 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

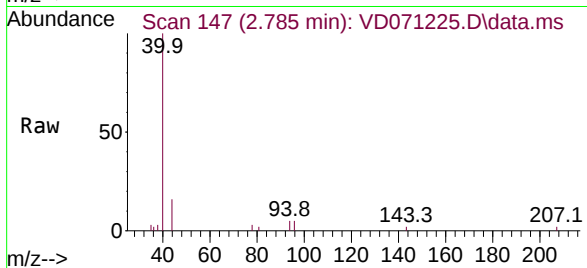
Tgt Ion: 50 Resp: 493
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



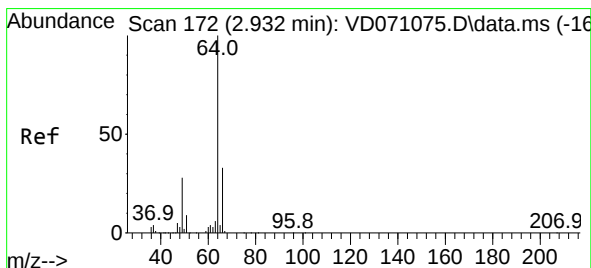
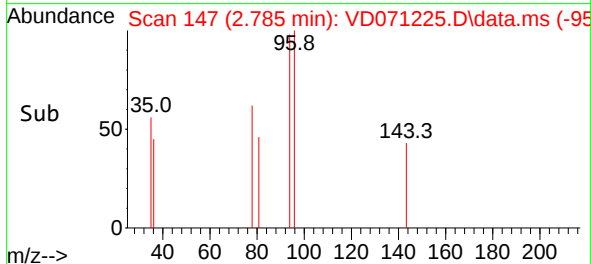
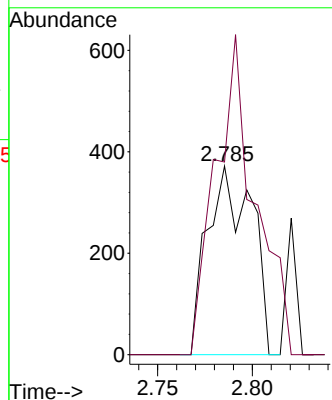


#5
Bromomethane
Concen: 7.216 ug/l
RT: 2.785 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

Instrument :
MSVOA_D
ClientSampleId :

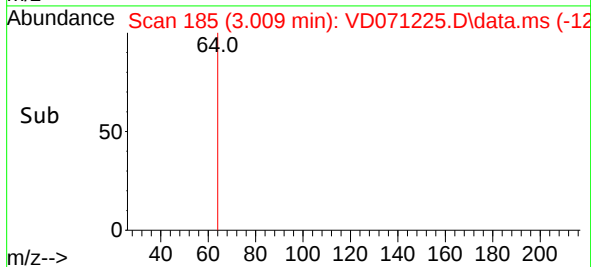
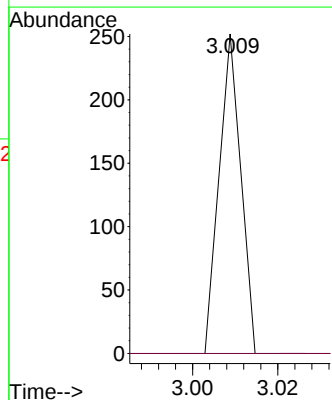
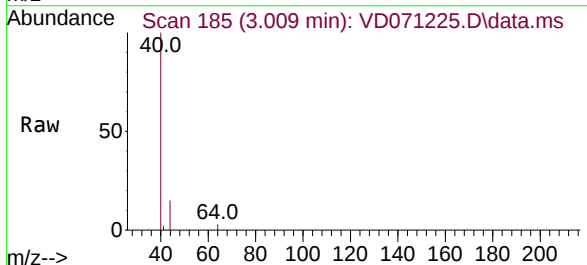


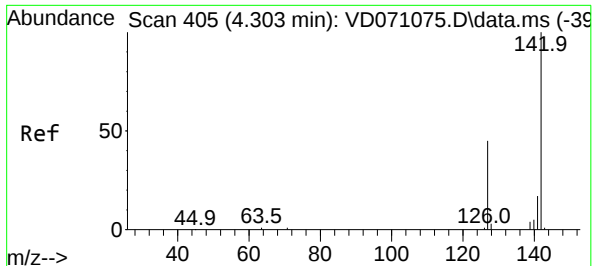
Tgt Ion: 94 Resp: 604
Ion Ratio Lower Upper
94 100
96 102.2 74.8 112.2



#6
Chloroethane
Concen: 1.114 ug/l
RT: 3.009 min Scan# 185
Delta R.T. 0.077 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

Tgt Ion: 64 Resp: 89
Ion Ratio Lower Upper
64 100
66 0.0 29.0 43.4#

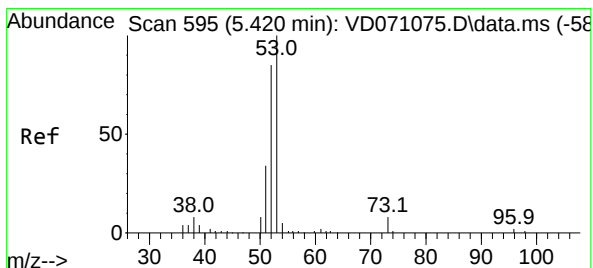
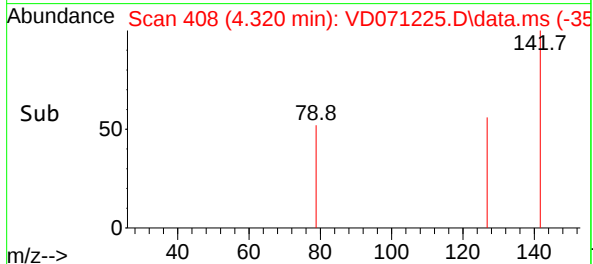
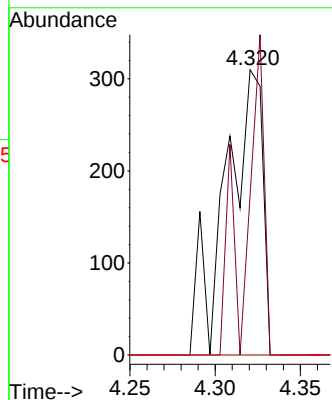
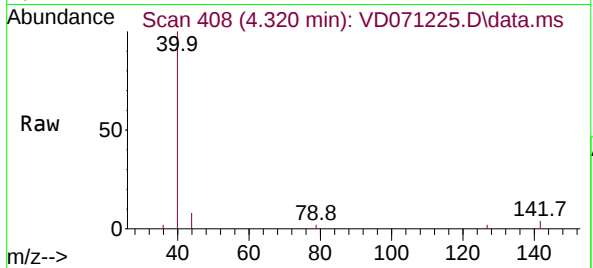




#10
Methyl Iodide
Concen: 8.520 ug/l
RT: 4.320 min Scan# 405
Delta R.T. 0.017 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

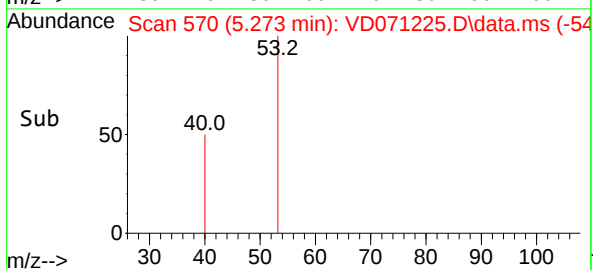
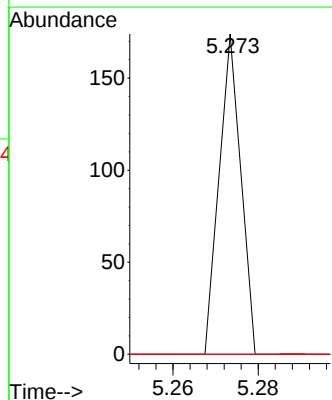
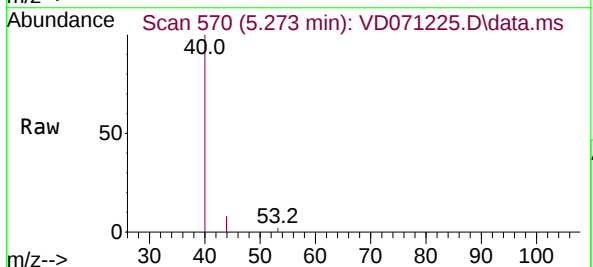
Instrument :
MSVOA_D
ClientSampleId :

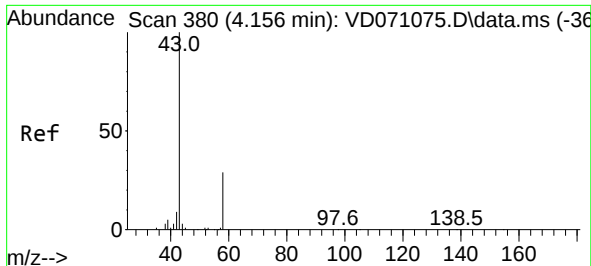
Tgt Ion:142 Resp: 470
Ion Ratio Lower Upper
142 100
127 56.4 35.0 52.4#
141 0.0 12.0 18.0#



#15
Acrylonitrile
Concen: 2.941 ug/l
RT: 5.273 min Scan# 570
Delta R.T. -0.147 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

Tgt Ion: 53 Resp: 61
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#

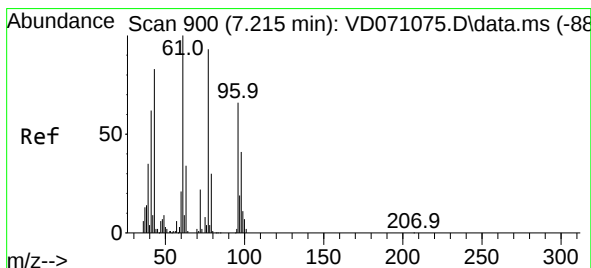
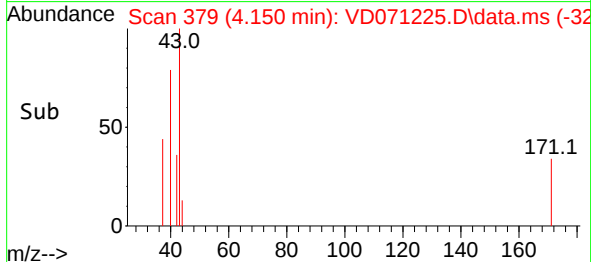
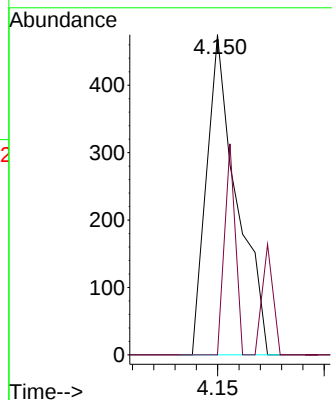
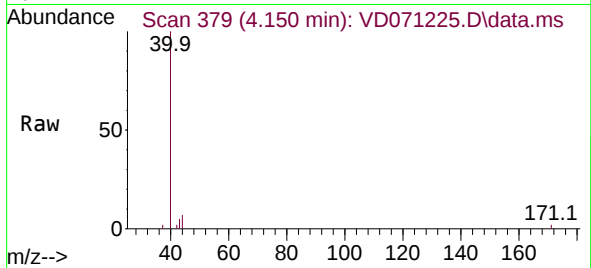




#16
Acetone
Concen: 45.103 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

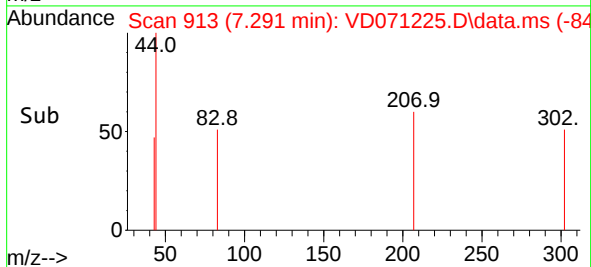
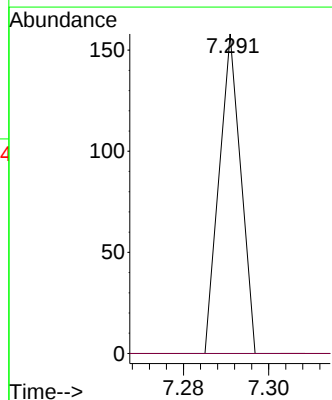
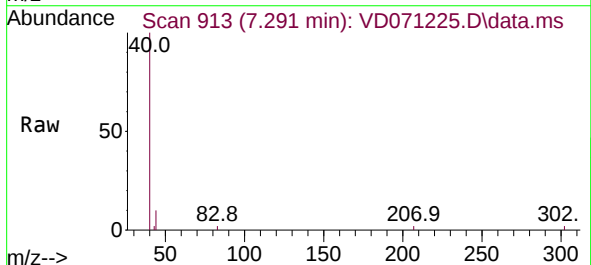
Instrument :
MSVOA_D
ClientSampleId :

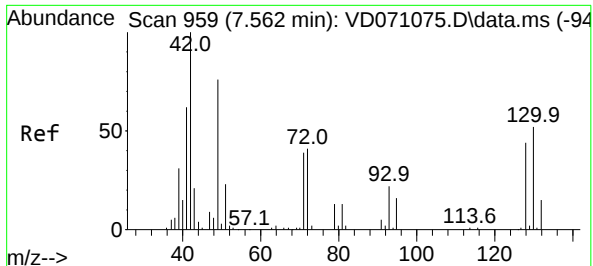
Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#25
2-Butanone
Concen: 29.855 ug/l
RT: 7.291 min Scan# 913
Delta R.T. 0.076 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 7.738 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.012 min

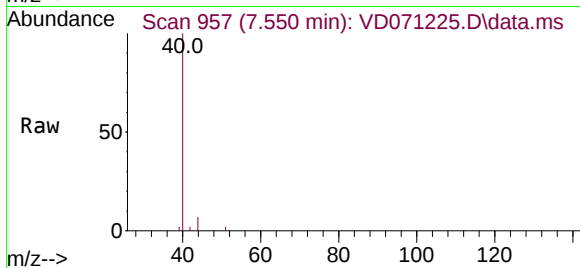
Lab File: VD071225.D

Acq: 09 Dec 2021 13:49

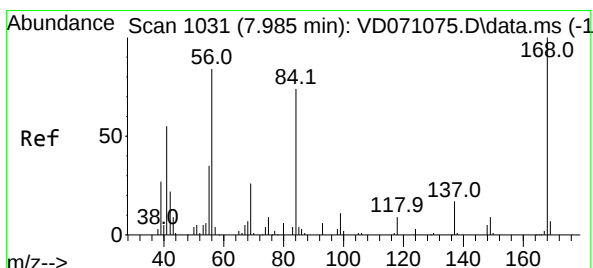
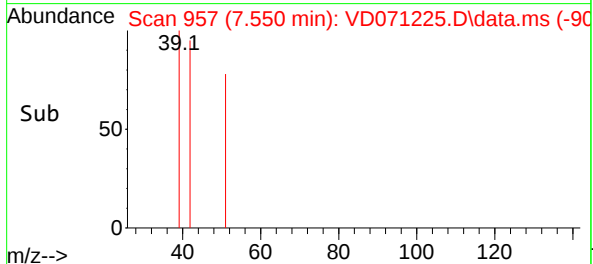
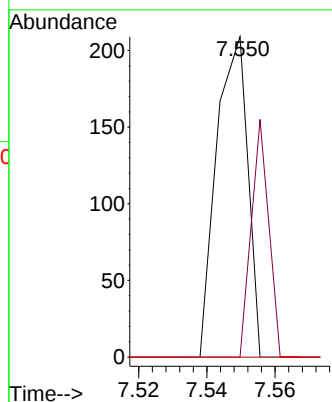
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	133
Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	0.0	32.7	49.1



#31

Cyclohexane

Concen: 2.857 ug/l

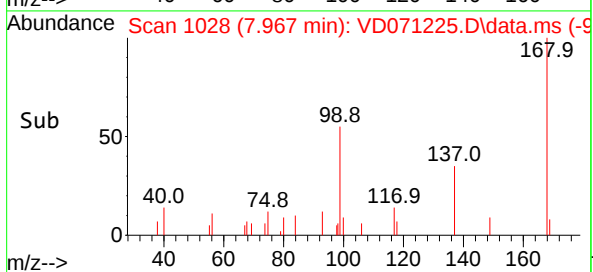
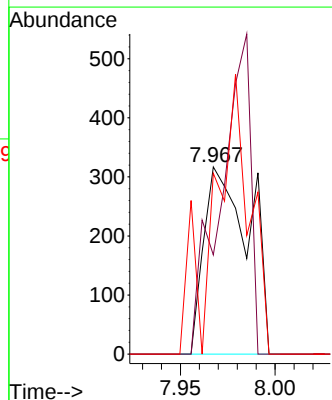
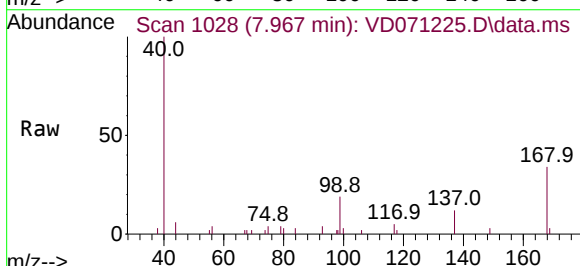
RT: 7.967 min Scan# 1028

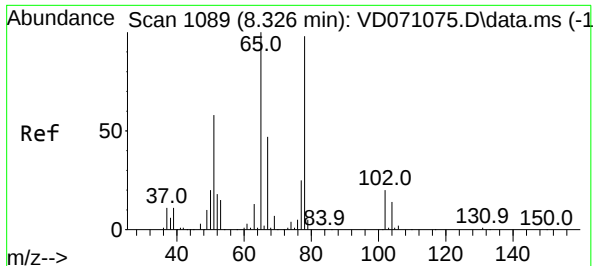
Delta R.T. -0.018 min

Lab File: VD071225.D

Acq: 09 Dec 2021 13:49

Tgt Ion:	56	Resp:	526
Ion	Ratio	Lower	Upper
56	100		
69	53.0	25.9	38.9
84	96.5	64.3	96.5





#33

1,2-Dichloroethane-d4

Concen: 70.452 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071225.D

Acq: 09 Dec 2021 13:49

Instrument :

MSVOA_D

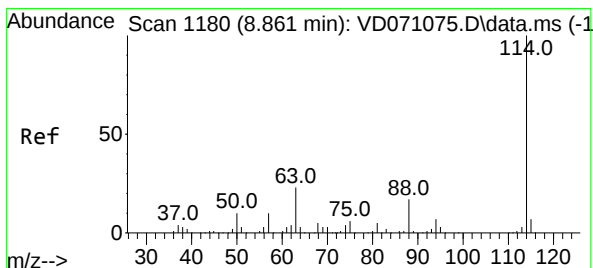
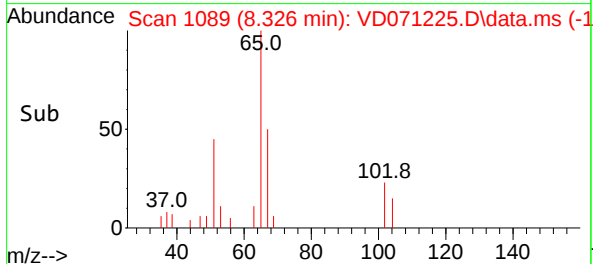
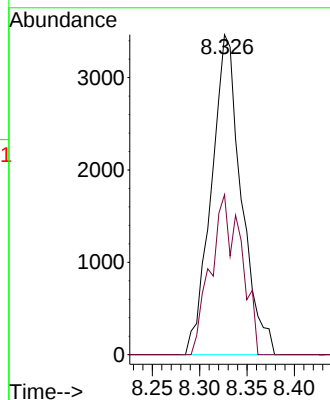
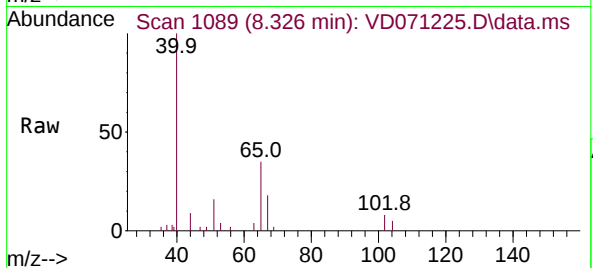
ClientSampleId :

Tgt Ion: 65 Resp: 7626

Ion Ratio Lower Upper

65 100

67 51.0 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071225.D

Acq: 09 Dec 2021 13:49

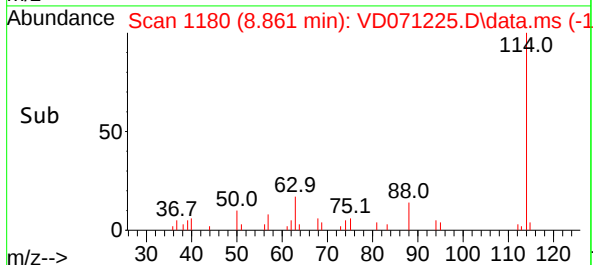
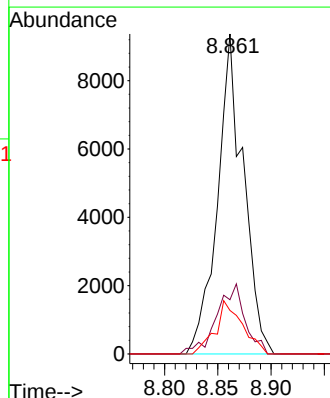
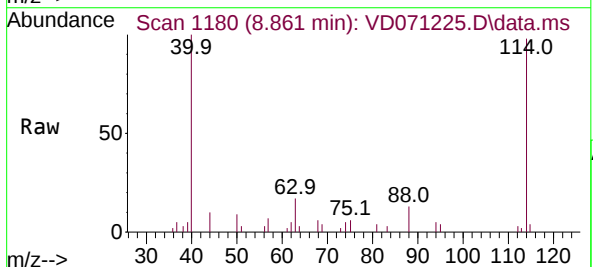
Tgt Ion: 114 Resp: 15821

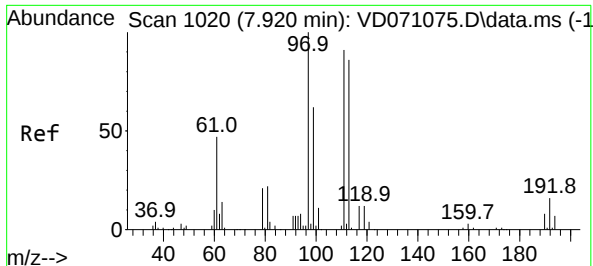
Ion Ratio Lower Upper

114 100

63 17.0 0.0 41.8

88 13.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.657 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

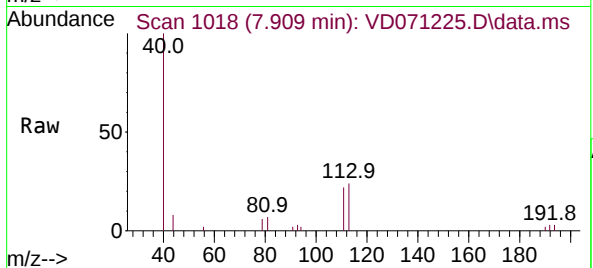
Lab File: VD071225.D

Acq: 09 Dec 2021 13:49

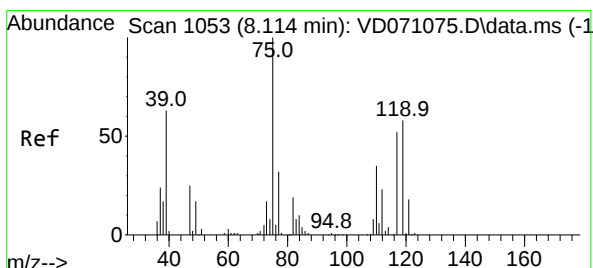
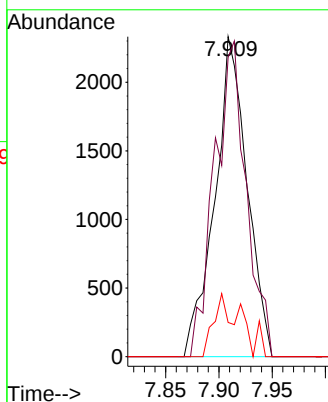
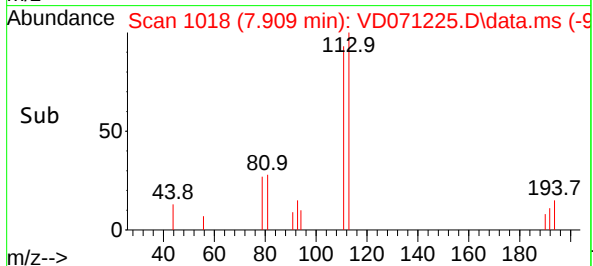
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	4902
Ion	Ratio	Lower	Upper
113	100		
111	97.5	82.0	123.0
192	16.5	15.2	22.8



#36

1,1-Dichloropropene

Concen: 7.189 ug/l

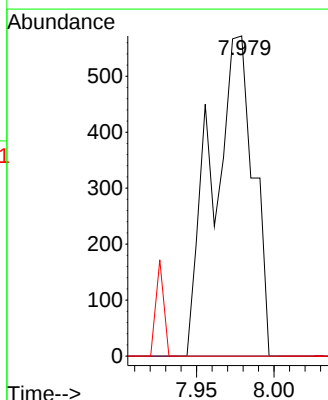
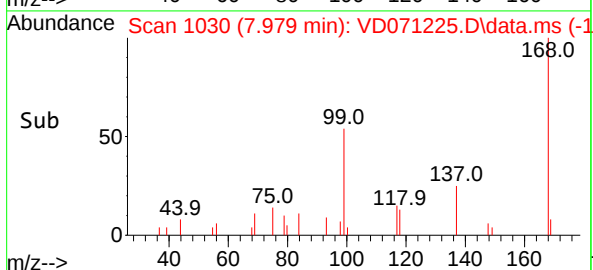
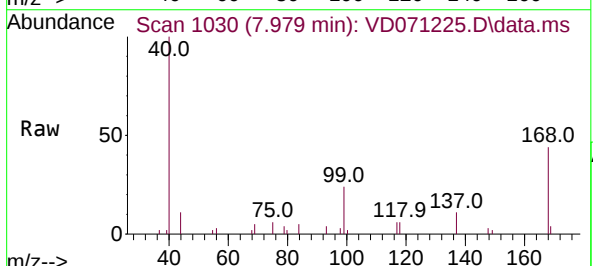
RT: 7.979 min Scan# 1030

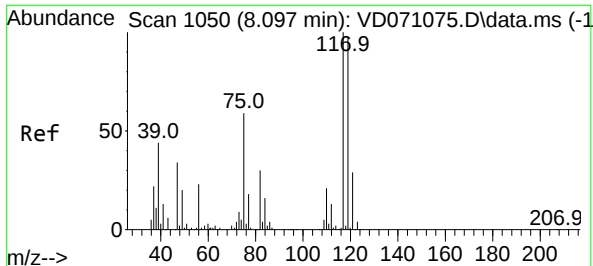
Delta R.T. -0.135 min

Lab File: VD071225.D

Acq: 09 Dec 2021 13:49

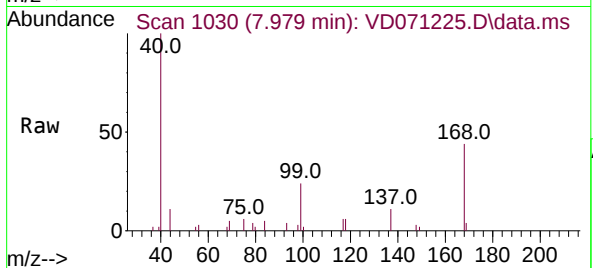
Tgt Ion:	75	Resp:	1063
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#



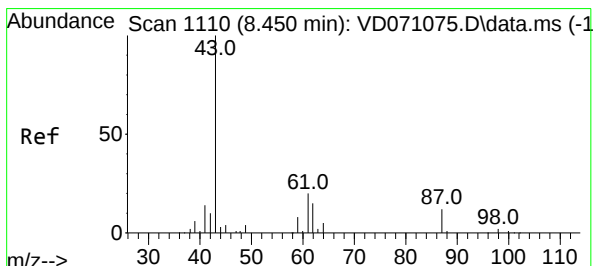
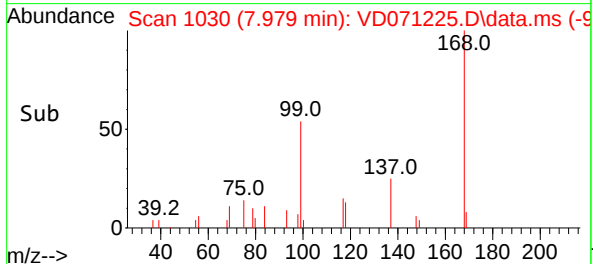
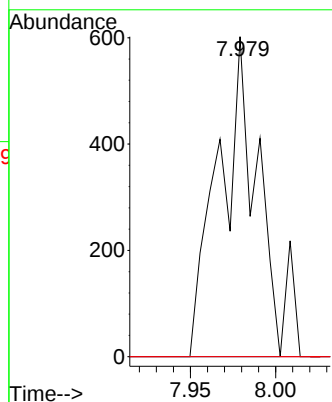


#38
Carbon Tetrachloride
Concen: 6.319 ug/l
RT: 7.979 min Scan# 1091
Delta R.T. -0.118 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

Instrument :
MSVOA_D
ClientSampleId :

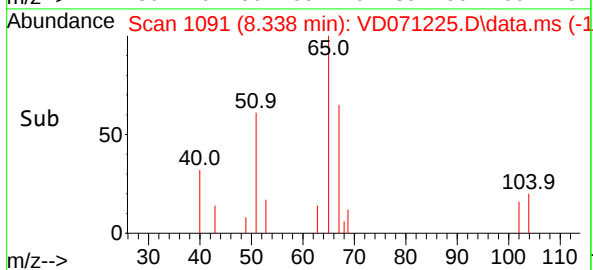
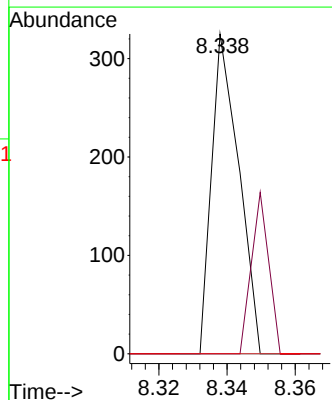
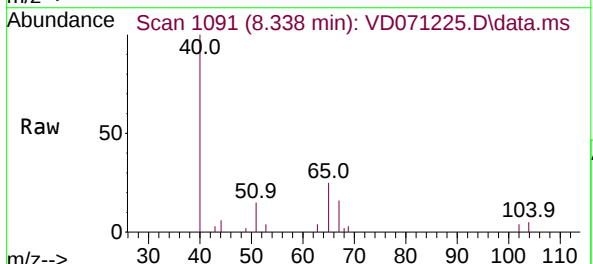


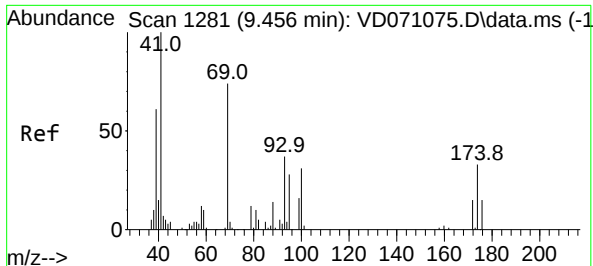
Tgt Ion:117 Resp: 921
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 6.370 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. -0.112 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
61 32.2 28.2 42.4
87 0.0 10.7 16.1#





#48

Methyl methacrylate

Concen: 1.184 ug/l

RT: 9.450 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD071225.D

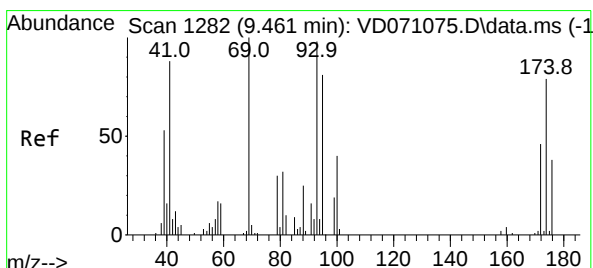
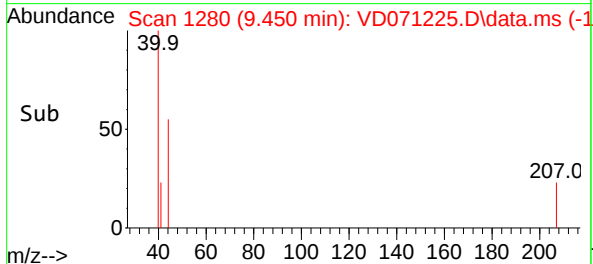
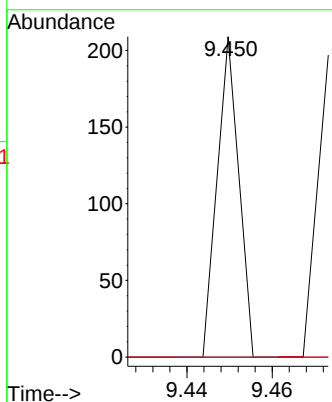
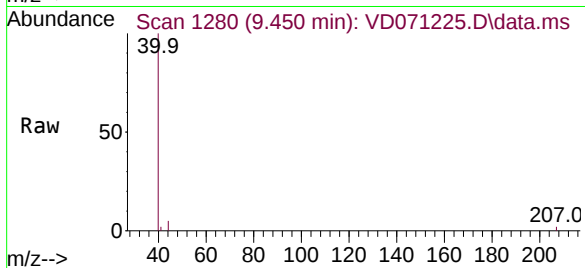
Acq: 09 Dec 2021 13:49

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 41	Resp: 74
Ion Ratio	Lower Upper
41	100
69	0.0 69.8 104.6#
39	0.0 35.6 53.4#



#49

1,4-Dioxane

Concen: 105.860 ug/l

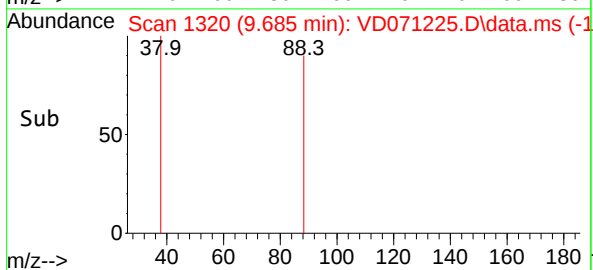
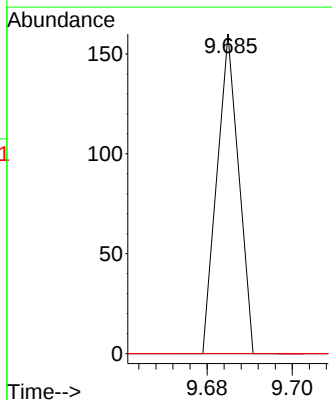
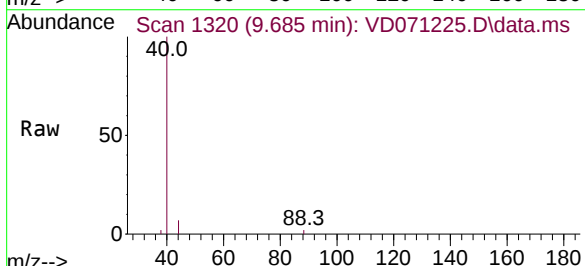
RT: 9.685 min Scan# 1320

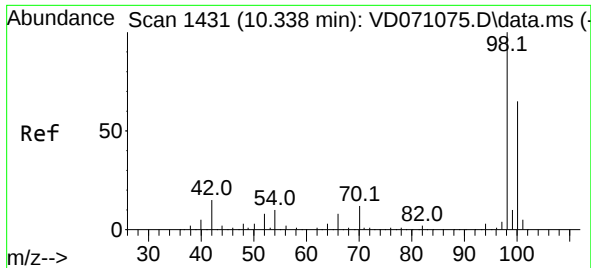
Delta R.T. 0.224 min

Lab File: VD071225.D

Acq: 09 Dec 2021 13:49

Tgt Ion: 88	Resp: 56
Ion Ratio	Lower Upper
88	100
43	0.0 28.9 43.3#
58	0.0 56.3 84.5#

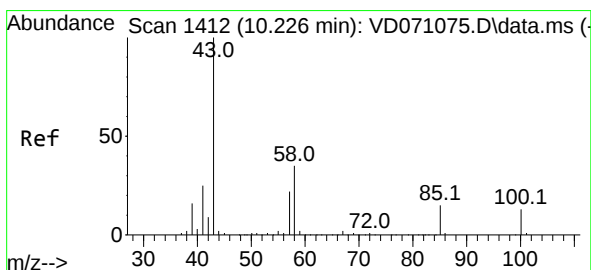
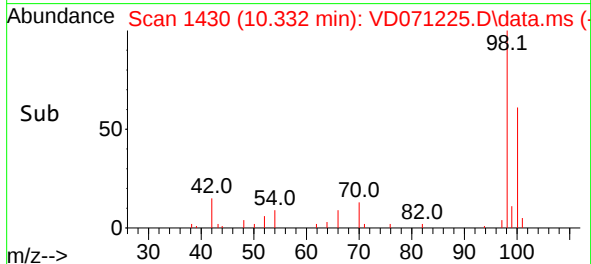
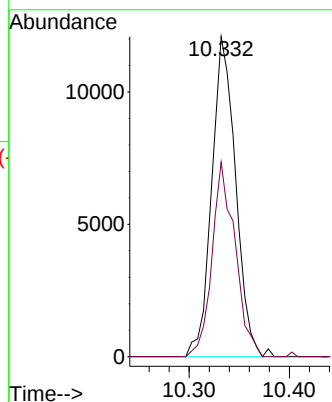
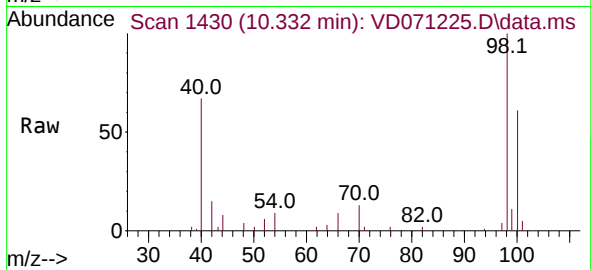




#50
Toluene-d8
Concen: 52.200 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

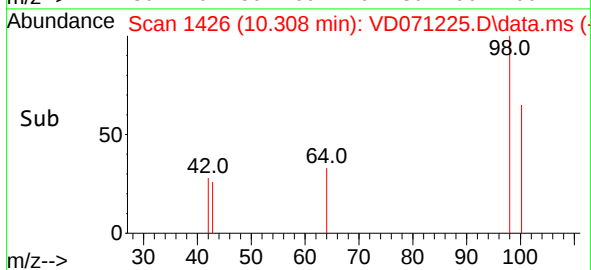
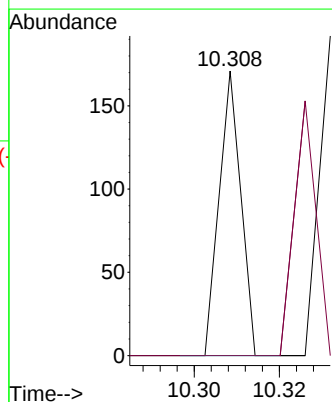
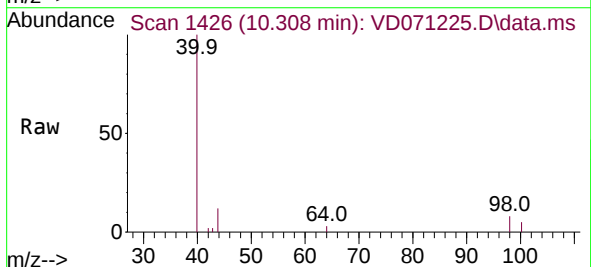
Instrument :
MSVOA_D
ClientSampleId :

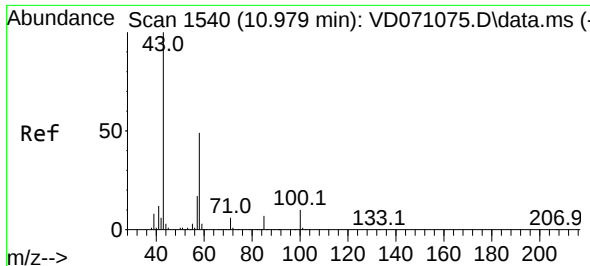
Tgt Ion: 98 Resp: 20013
Ion Ratio Lower Upper
98 100
100 58.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.383 ug/l
RT: 10.308 min Scan# 1426
Delta R.T. 0.082 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

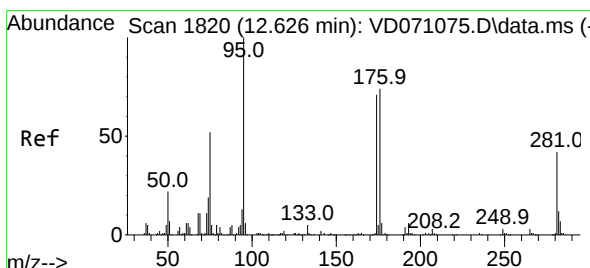
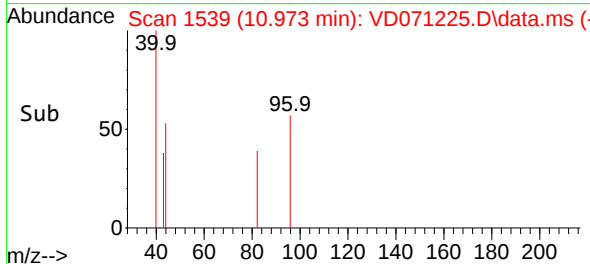
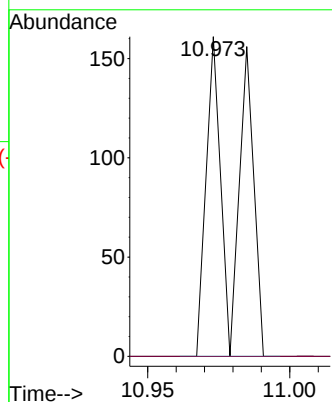
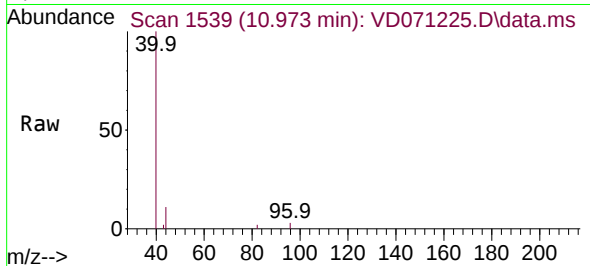




#59
2-Hexanone
Concen: 36.352 ug/l
RT: 10.973 min Scan# 111
Delta R.T. -0.006 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

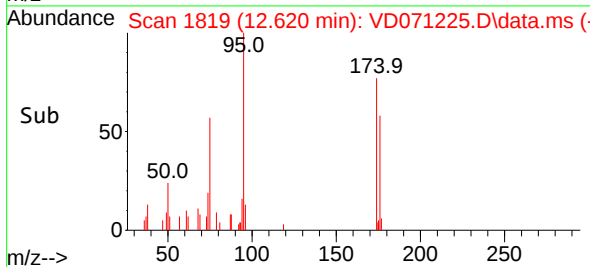
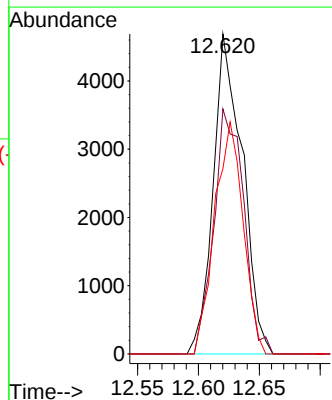
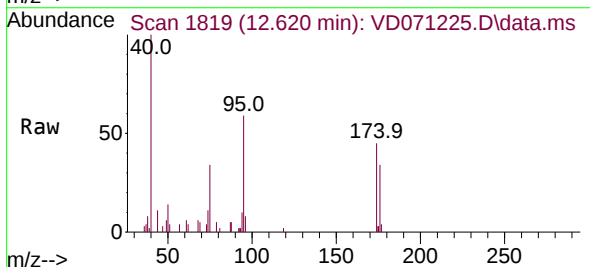
Instrument :
MSVOA_D
ClientSampleId :

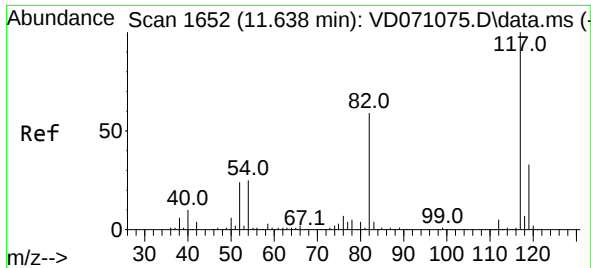
Tgt Ion: 43 Resp: 112
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 58.707 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

Tgt Ion: 95 Resp: 7802
Ion Ratio Lower Upper
95 100
174 78.2 0.0 159.4
176 71.1 0.0 154.0

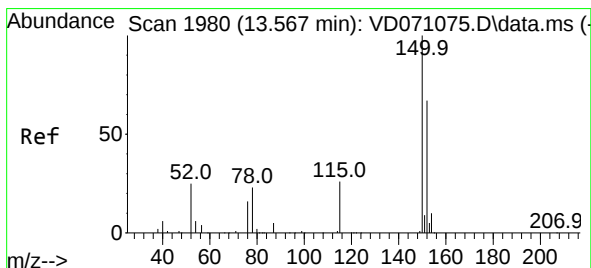
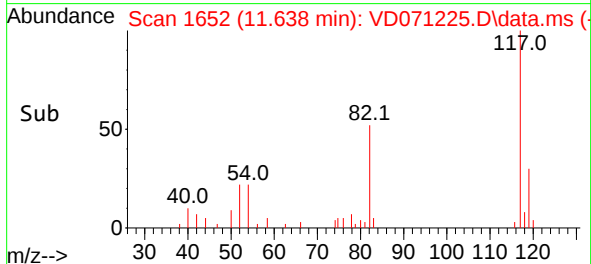
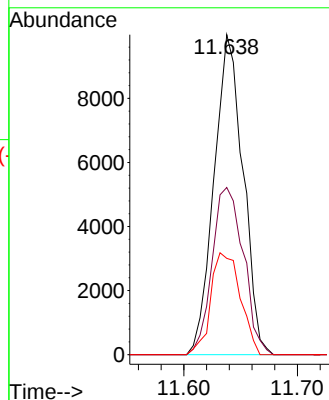
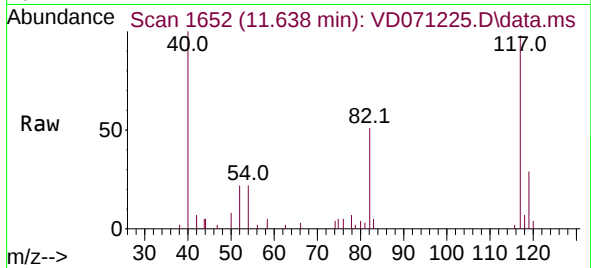




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117725
Delta R.T. -0.000 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

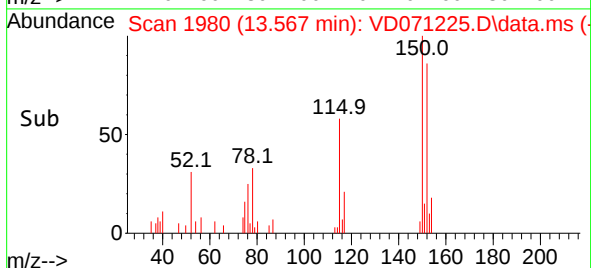
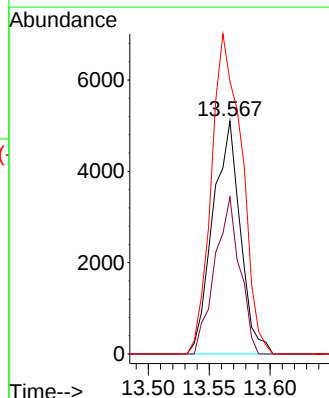
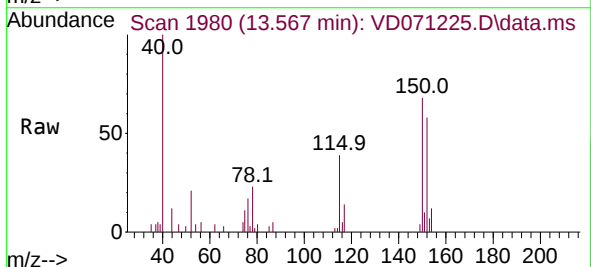
Instrument :
MSVOA_D
ClientSampleId :

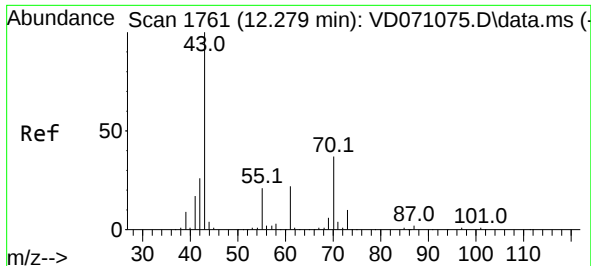
Tgt Ion:117	Resp:	17725
Ion Ratio	Lower	Upper
117	100	
82	52.2	44.7 67.1
119	30.1	26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

Tgt Ion:152	Resp:	8025
Ion Ratio	Lower	Upper
152	100	
115	61.3	29.8 89.3
150	151.7	0.0 349.2

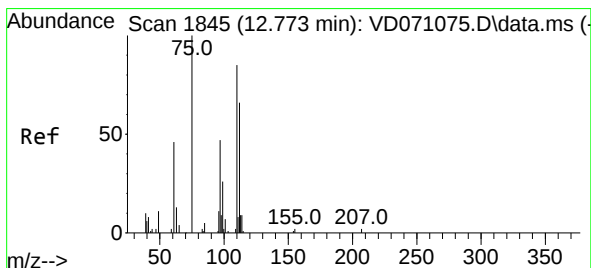
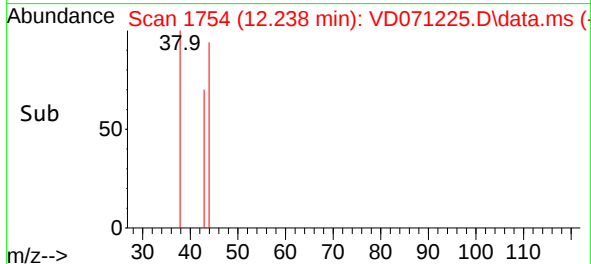
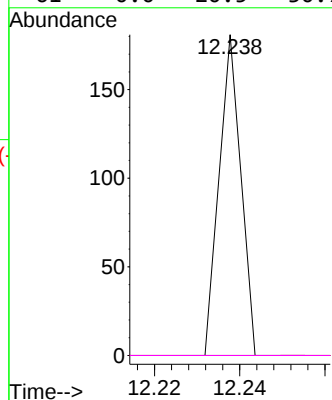
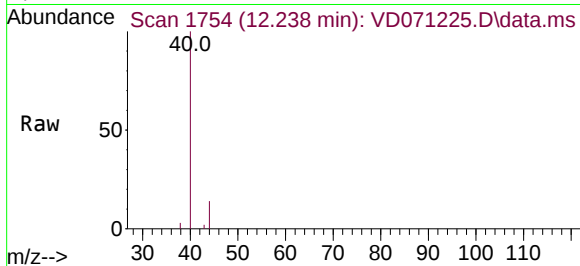




#74
N-amy1 acetate
Concen: 6.057 ug/l
RT: 12.238 min Scan# 11
Delta R.T. -0.041 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

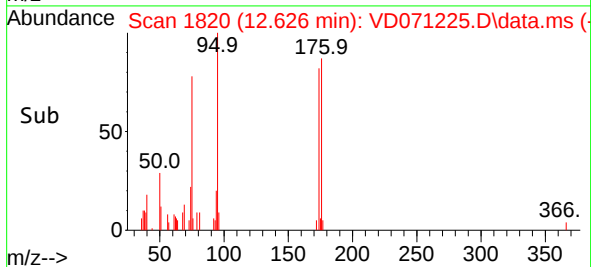
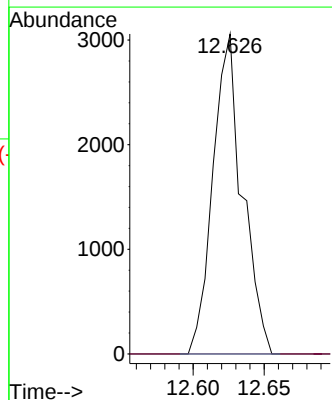
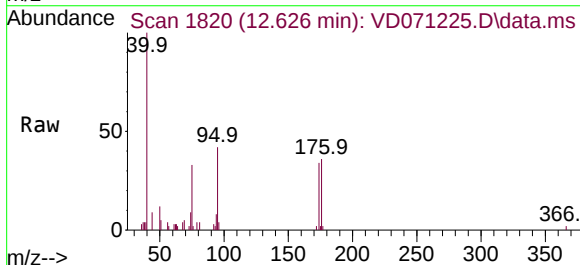
Instrument :
MSVOA_D
ClientSampleId :

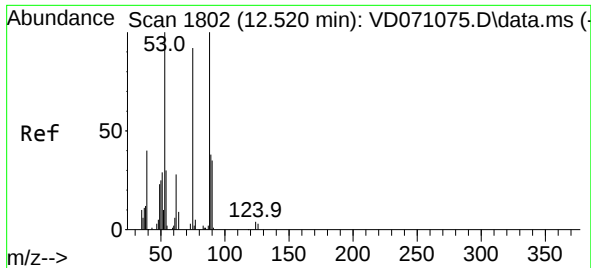
Tgt Ion: 43	Resp: 64
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 57.547 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071225.D
Acq: 09 Dec 2021 13:49

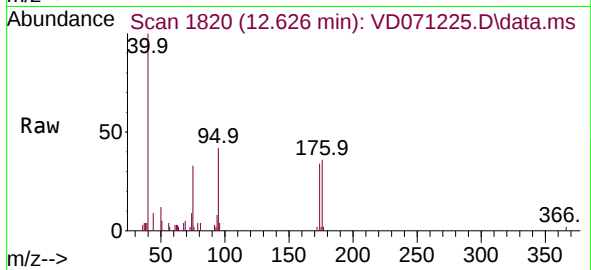
Tgt Ion: 75	Resp: 4400
Ion Ratio	Lower Upper
75 100	
77 0.0	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.830 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071225.D
 Acq: 09 Dec 2021 13:49

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 4400
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

