

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081222\
 Data File : VD074073.D
 Acq On : 12 Aug 2022 20:13
 Operator : VA/SY
 Sample : N4136-01
 Misc : 3.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 23:49:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

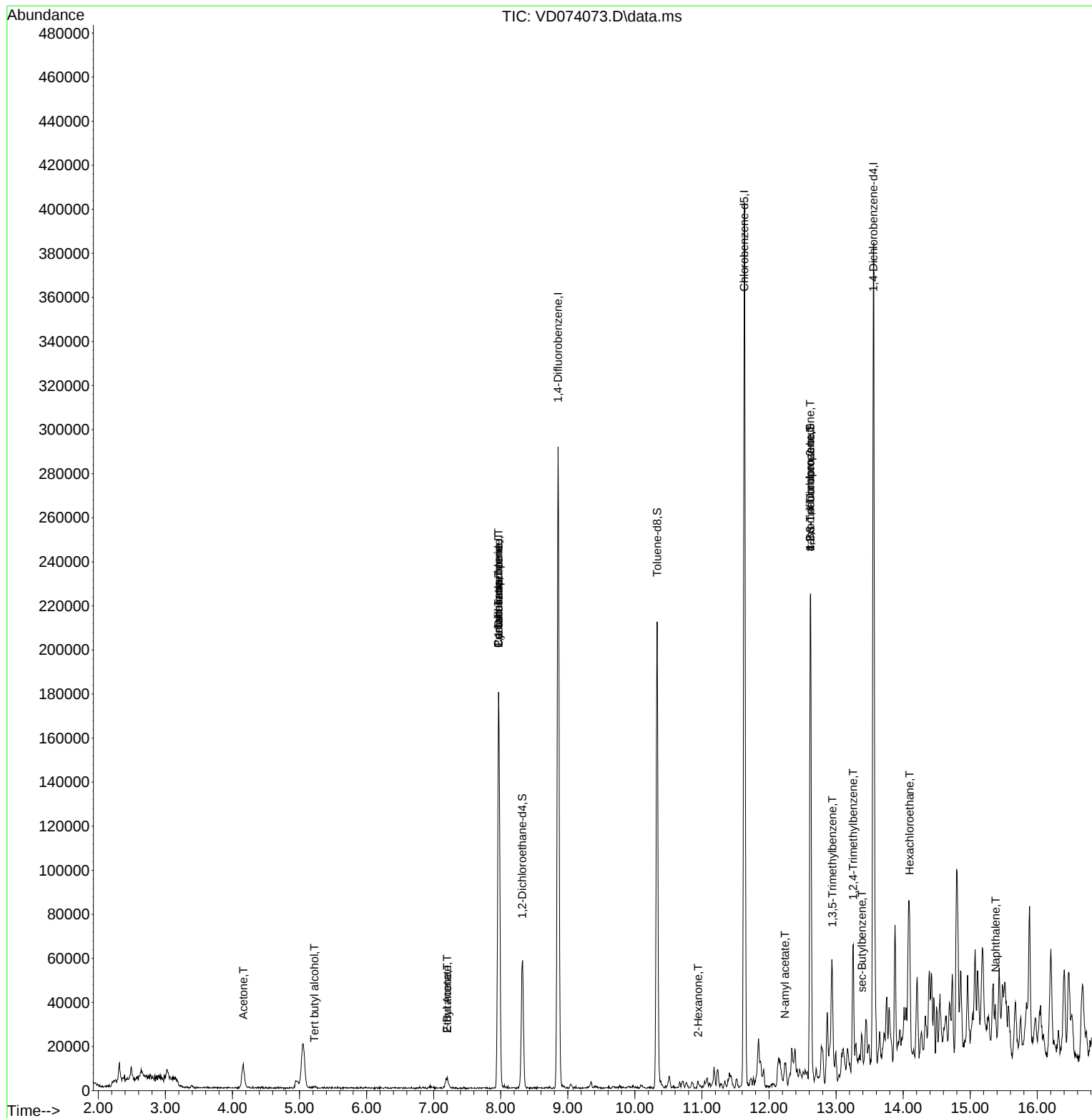
Internal Standards						
1) Pentafluorobenzene	7.967	168	127174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	240463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	223113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	97692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	46297	45.496	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.000%
35) Dibromofluoromethane	7.979	113	226	0.142	ug/l	0.08
Spiked Amount	50.000	Range	54 - 147	Recovery	=	0.280%#
50) Toluene-d8	10.332	98	139409	31.241	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	62.480%
62) 4-Bromofluorobenzene	12.614	95	69052	35.158	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	70.320%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	131	Below Cal	#	43
3) Chloromethane	2.215	50	329	Below Cal	#	40
11) Tert butyl alcohol	5.220	59	580	16.089	ug/l #	74
16) Acetone	4.162	43	18464	90.738	ug/l #	76
18) Methyl Acetate	4.450	43	61	Below Cal	#	49
20) Methylene Chloride	4.956	84	2882	Below Cal	#	68
25) 2-Butanone	7.203	43	3334	10.477	ug/l	96
31) Cyclohexane	7.967	56	3422	1.533	ug/l #	54
36) 1,1-Dichloropropene	7.967	75	10622	4.370	ug/l #	50
37) Ethyl Acetate	7.203	43	3334	3.854	ug/l #	67
38) Carbon Tetrachloride	7.967	117	13852	5.055	ug/l #	17
59) 2-Hexanone	10.944	43	1760	3.093	ug/l #	23
74) N-amyl acetate	12.238	43	5579	4.301	ug/l #	52
76) 1,2,3-Trichloropropane	12.614	75	35792	40.128	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.944	105	9896	1.716	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.614	75	35792	107.101	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.255	105	33286	5.742	ug/l	98
85) sec-Butylbenzene	13.385	105	8280	1.097	ug/l	78
90) Hexachloroethane	14.096	117	3066	2.453	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.338	75	53	Below Cal	#	1
95) Naphthalene	15.379	128	13847	4.602	ug/l	99

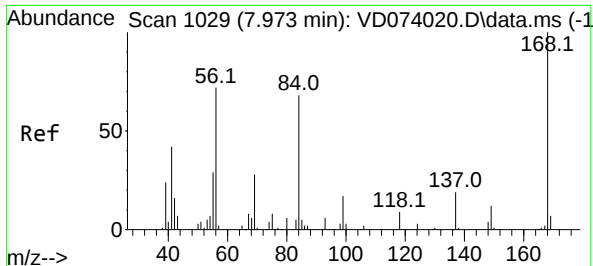
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081222\
Data File : VD074073.D
Acq On : 12 Aug 2022 20:13
Operator : VA/SY
Sample : N4136-01
Misc : 3.57G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

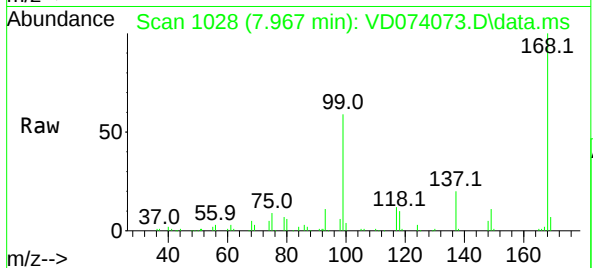
Quant Time: Aug 12 23:49:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 14:55:58 2022
Response via : Initial Calibration



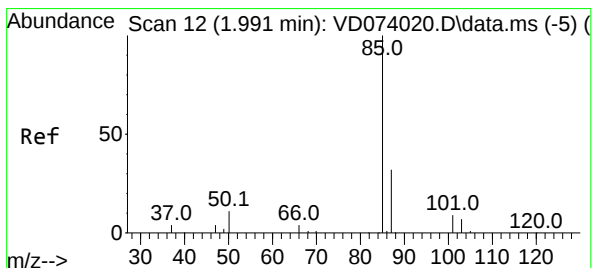
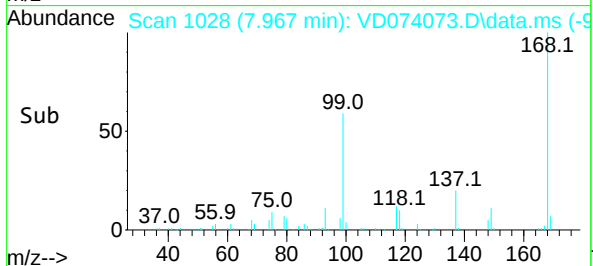
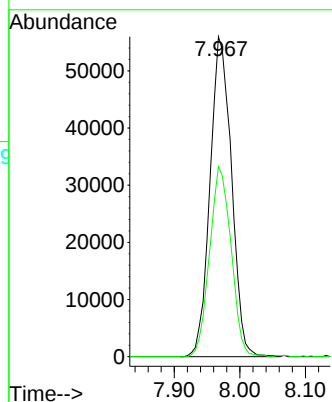


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

Instrument :
MSVOA_D
ClientSampleId :

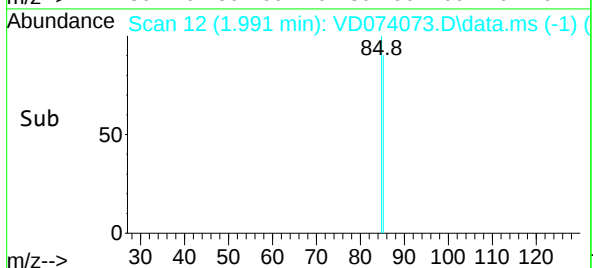
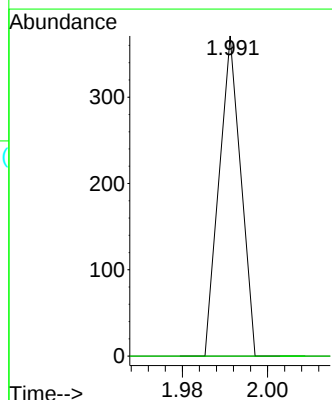
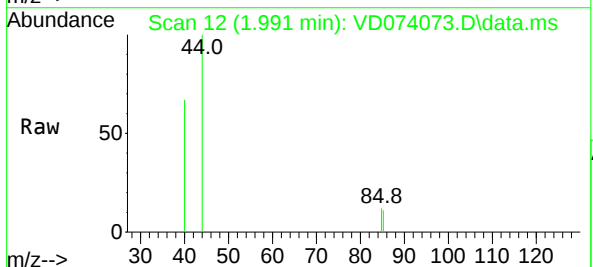


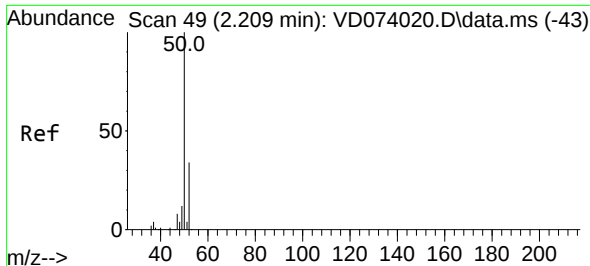
Tgt Ion:168 Resp: 127174
Ion Ratio Lower Upper
168 100
99 59.4 48.3 72.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

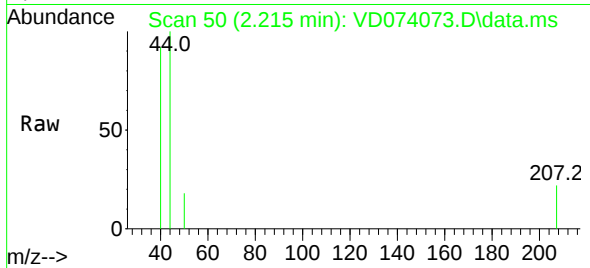
Tgt Ion: 85 Resp: 131
Ion Ratio Lower Upper
85 100
87 0.0 16.0 47.9#



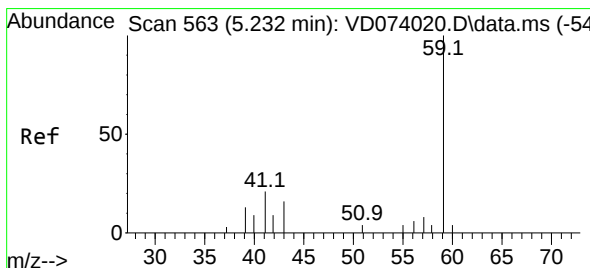
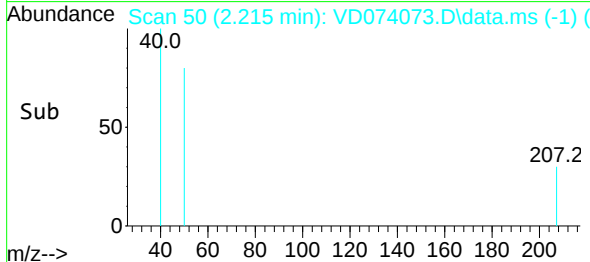
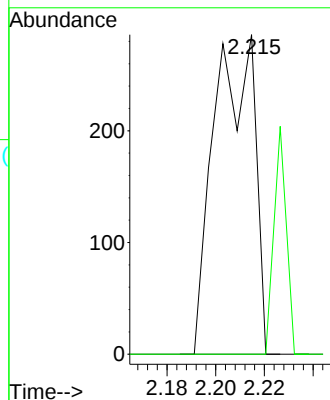


#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

Instrument :
MSVOA_D
ClientSampleId :

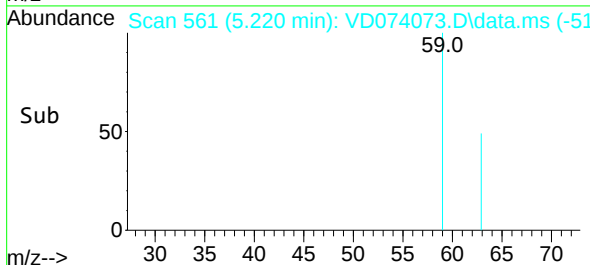
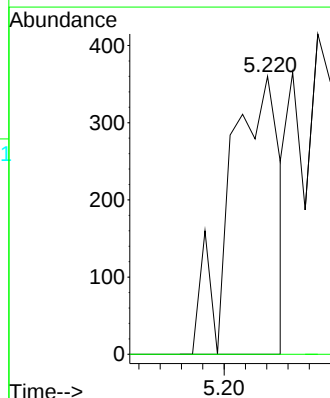
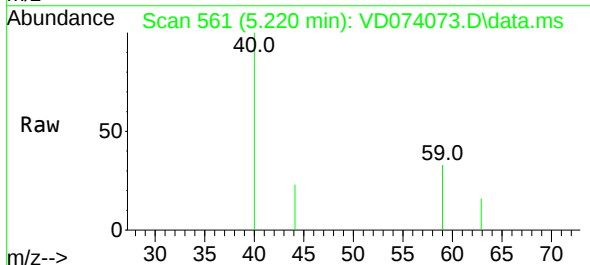


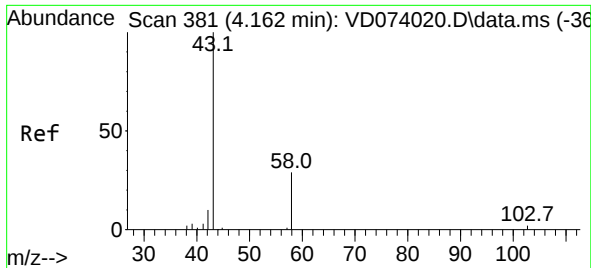
Tgt Ion: 50 Resp: 329
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#



#11
Tert butyl alcohol
Concen: 16.089 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.012 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

Tgt Ion: 59 Resp: 580
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

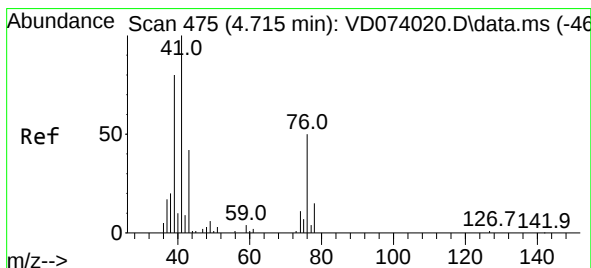
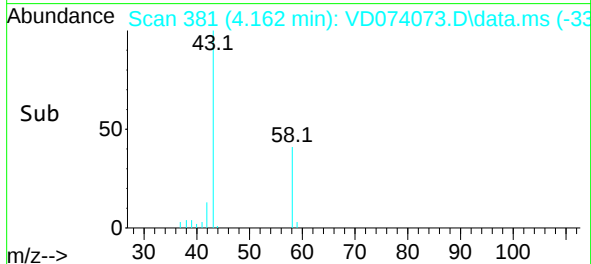
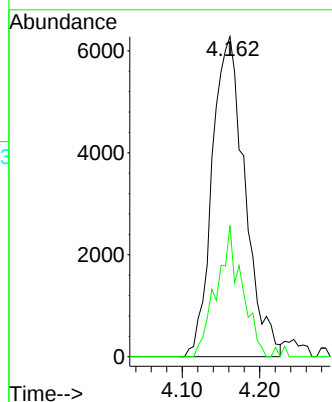
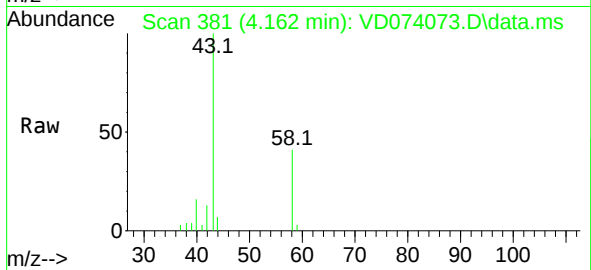




#16
Acetone
Concen: 90.738 ug/l
RT: 4.162 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

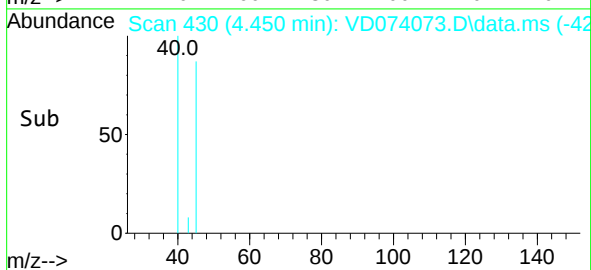
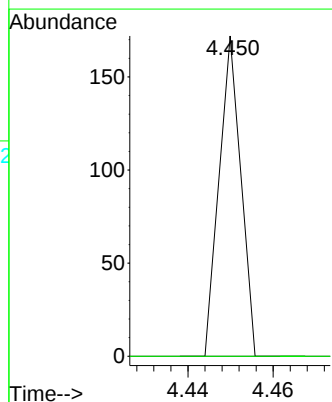
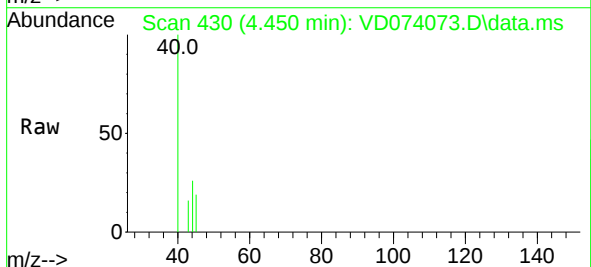
Instrument :
MSVOA_D
ClientSampleId :

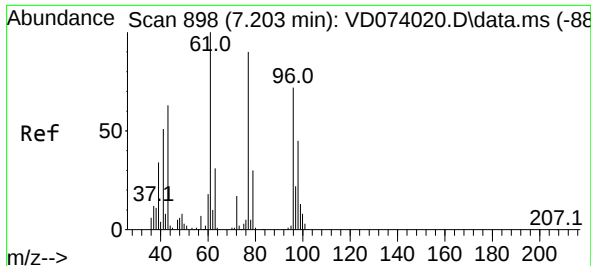
Tgt Ion: 43 Resp: 18464
Ion Ratio Lower Upper
43 100
58 41.0 22.8 34.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.450 min Scan# 430
Delta R.T. -0.265 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

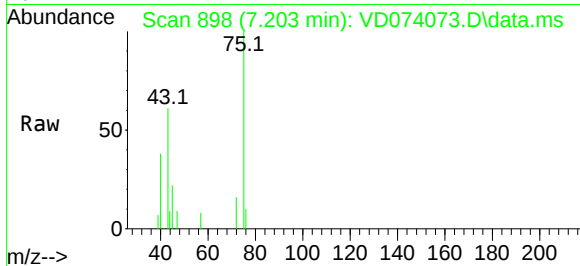
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



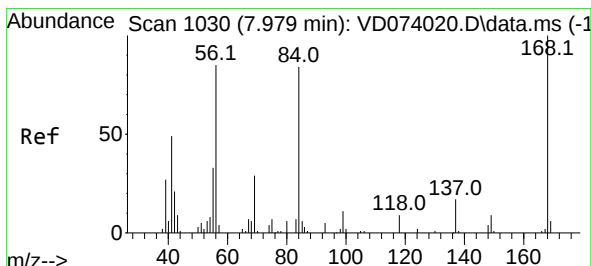
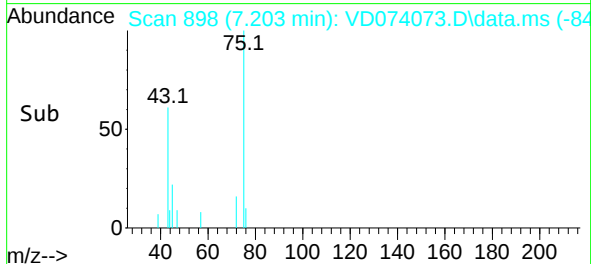
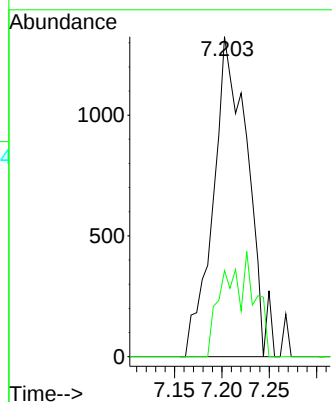


#25
2-Butanone
Concen: 10.477 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.000 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

Instrument :
MSVOA_D
ClientSampleId :

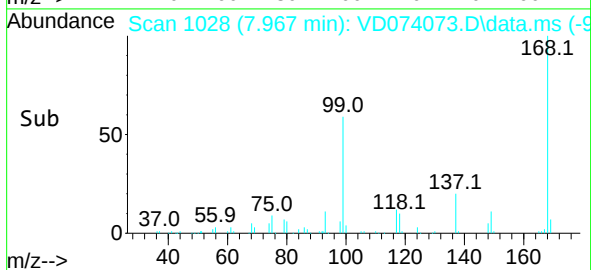
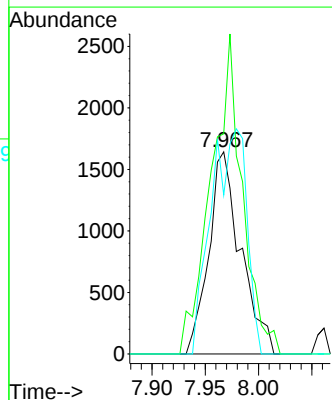
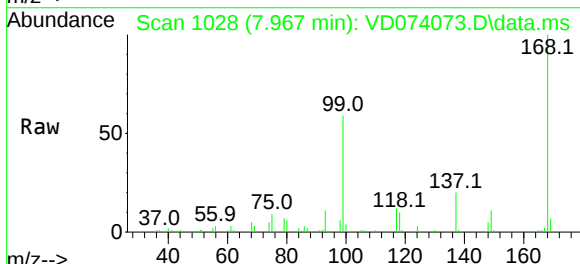


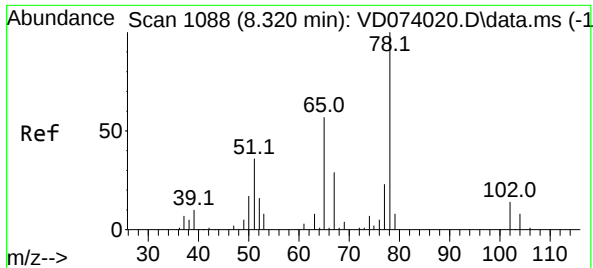
Tgt Ion: 43 Resp: 3334
Ion Ratio Lower Upper
43 100
72 26.9 23.0 34.6



#31
Cyclohexane
Concen: 1.533 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

Tgt Ion: 56 Resp: 3422
Ion Ratio Lower Upper
56 100
69 108.9 27.9 41.9#
84 78.6 75.8 113.6





#33

1,2-Dichloroethane-d4

Concen: 45.496 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD074073.D

Acq: 12 Aug 2022 20:13

Instrument :

MSVOA_D

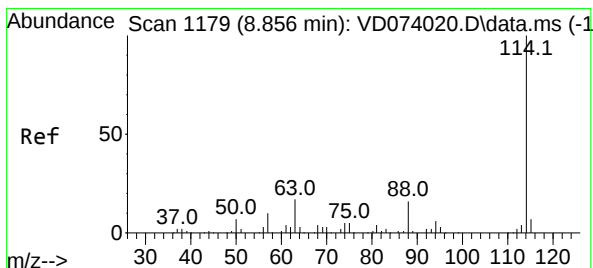
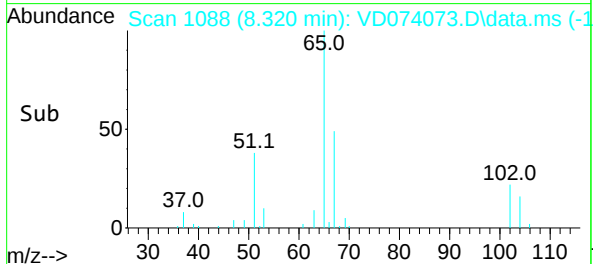
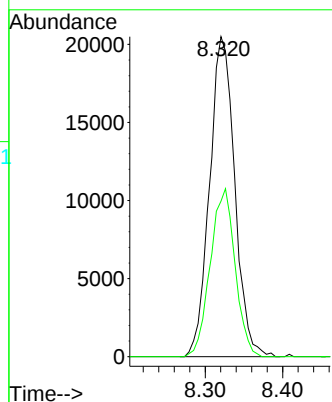
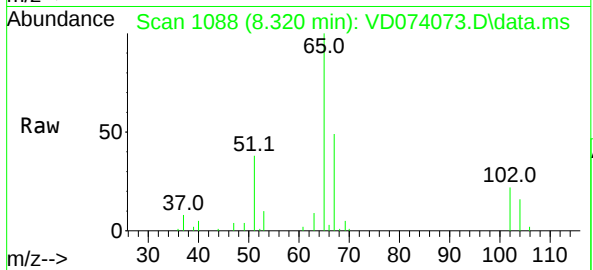
ClientSampleId :

Tgt Ion: 65 Resp: 46297

Ion Ratio Lower Upper

65 100

67 51.7 0.0 113.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074073.D

Acq: 12 Aug 2022 20:13

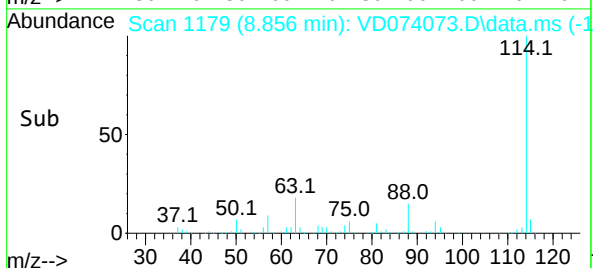
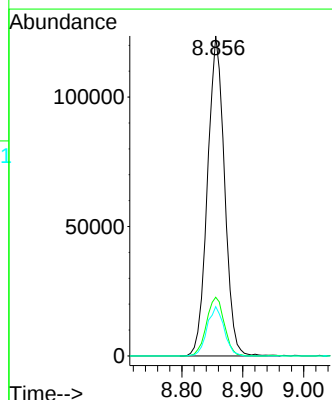
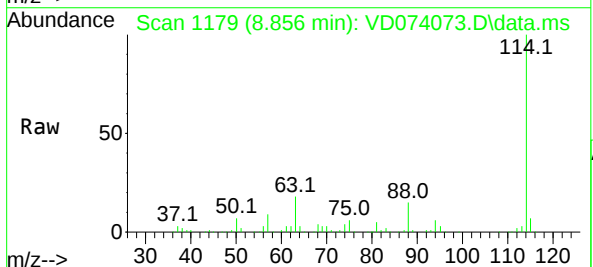
Tgt Ion: 114 Resp: 240463

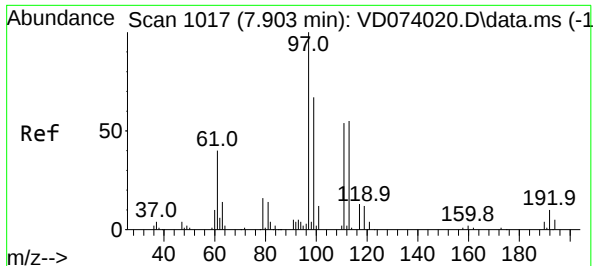
Ion Ratio Lower Upper

114 100

63 18.3 0.0 41.0

88 15.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 0.142 ug/l

RT: 7.979 min Scan# 1028

Delta R.T. 0.076 min

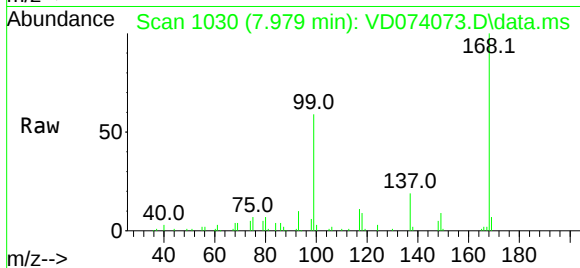
Lab File: VD074073.D

Acq: 12 Aug 2022 20:13

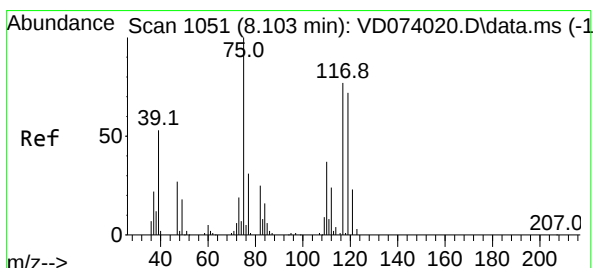
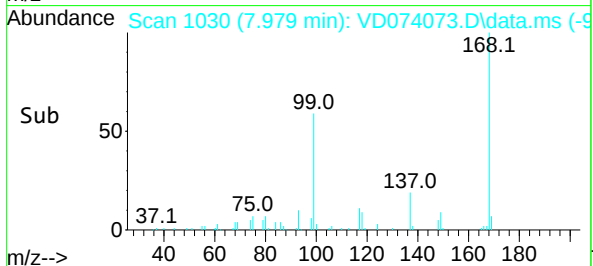
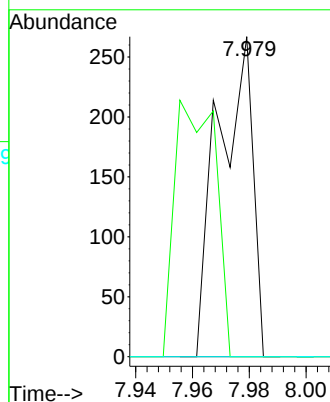
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	226
Ion	Ratio	Lower	Upper
113	100		
111	0.0	80.0	120.0#
192	0.0	14.2	21.4#



#36

1,1-Dichloropropene

Concen: 4.370 ug/l

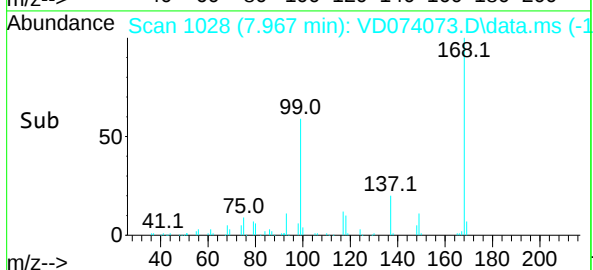
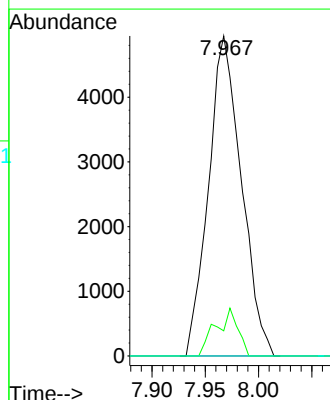
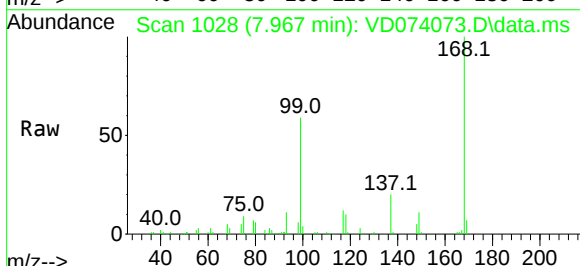
RT: 7.967 min Scan# 1028

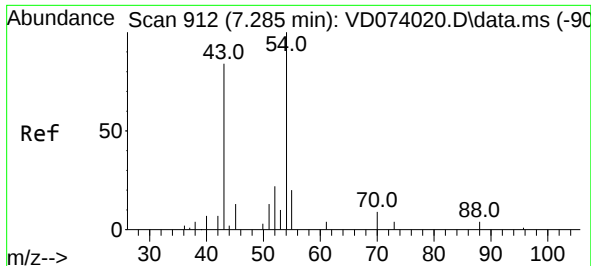
Delta R.T. -0.136 min

Lab File: VD074073.D

Acq: 12 Aug 2022 20:13

Tgt Ion:	75	Resp:	10622
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.4	55.4#
77	0.0	24.6	36.8#





#37

Ethyl Acetate

Concen: 3.854 ug/l

RT: 7.203 min Scan# 89

Delta R.T. -0.082 min

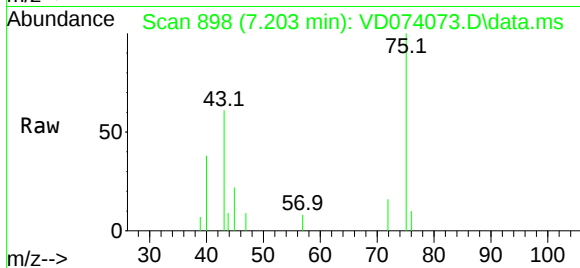
Lab File: VD074073.D

Acq: 12 Aug 2022 20:13

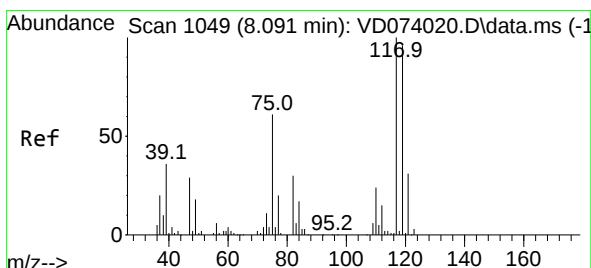
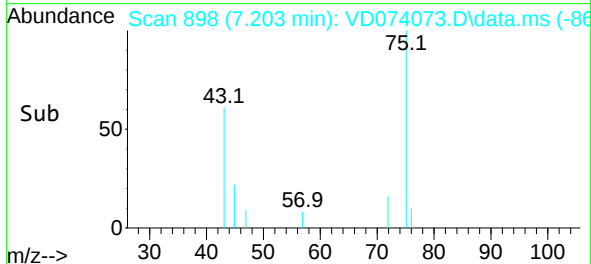
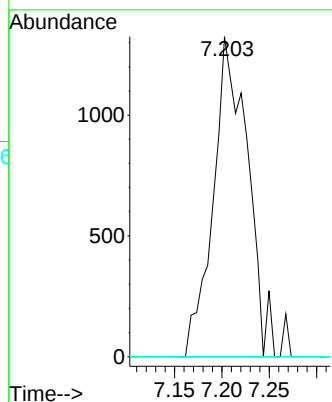
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	3334
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.0	16.6#
70	0.0	10.2	15.2#



#38

Carbon Tetrachloride

Concen: 5.055 ug/l

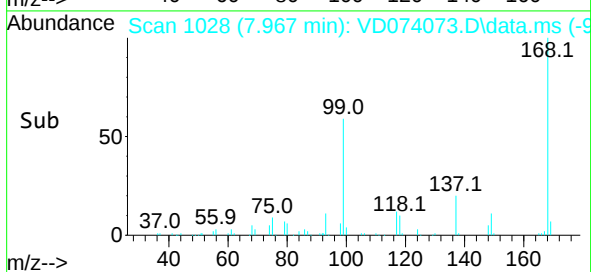
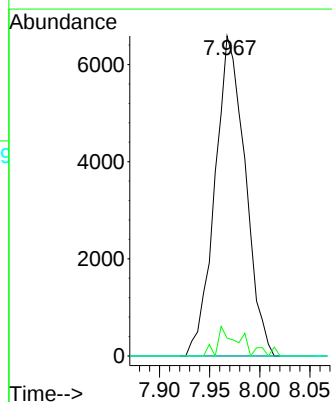
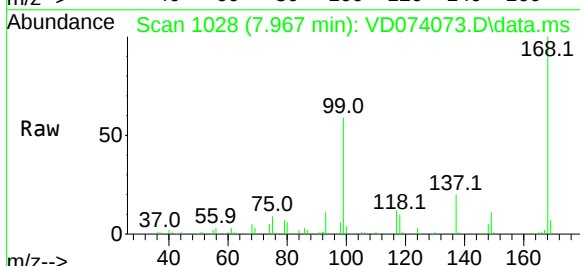
RT: 7.967 min Scan# 1028

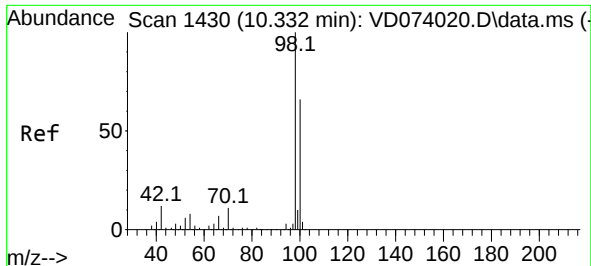
Delta R.T. -0.124 min

Lab File: VD074073.D

Acq: 12 Aug 2022 20:13

Tgt Ion:	117	Resp:	13852
Ion Ratio	Lower	Upper	
117	100		
119	5.5	75.4	113.2#
121	0.0	25.2	37.8#

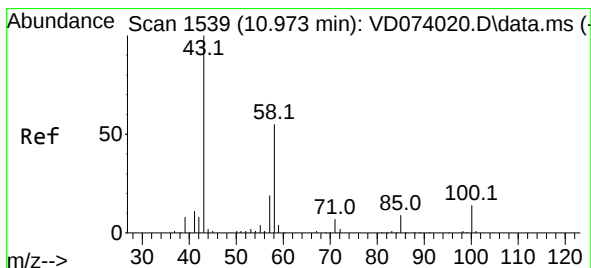
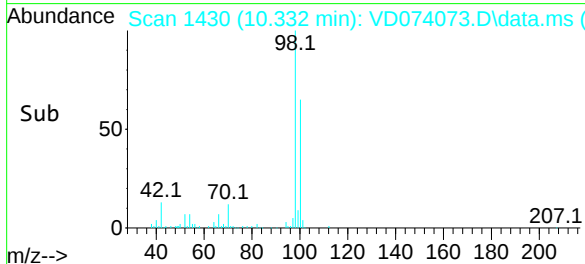
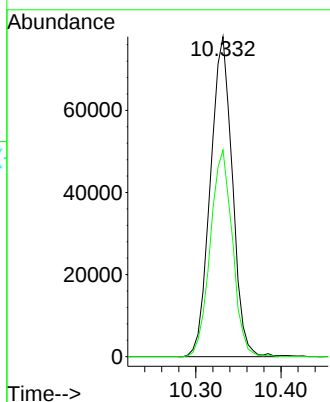
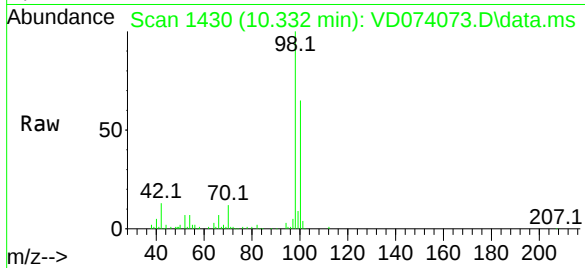




#50
Toluene-d8
Concen: 31.241 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

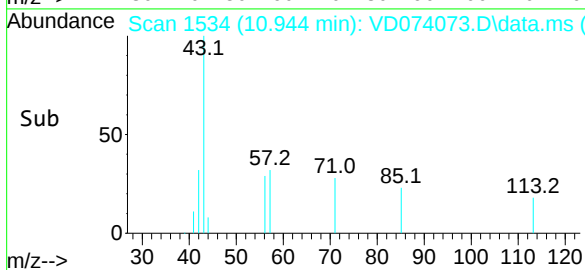
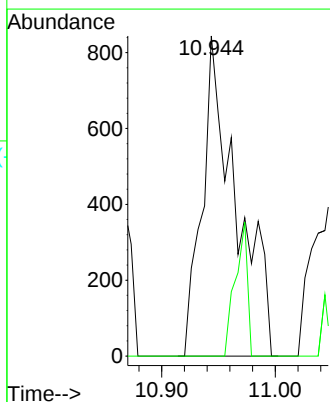
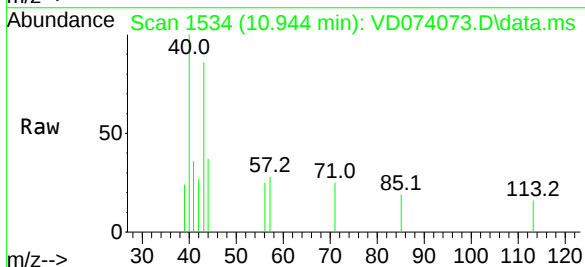
Instrument :
MSVOA_D
ClientSampleId :

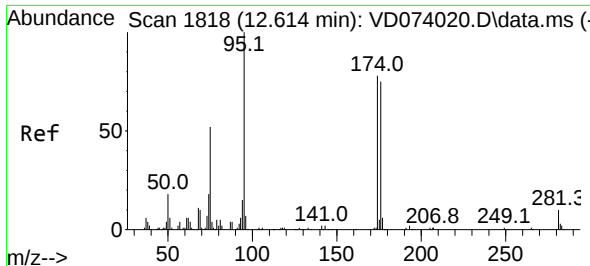
Tgt Ion: 98 Resp: 139409
Ion Ratio Lower Upper
98 100
100 65.1 51.3 76.9



#59
2-Hexanone
Concen: 3.093 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.029 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

Tgt Ion: 43 Resp: 1760
Ion Ratio Lower Upper
43 100
58 0.0 28.2 84.6#

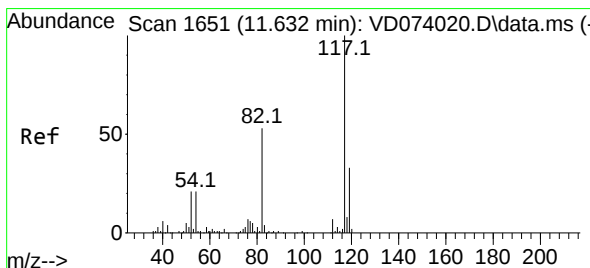
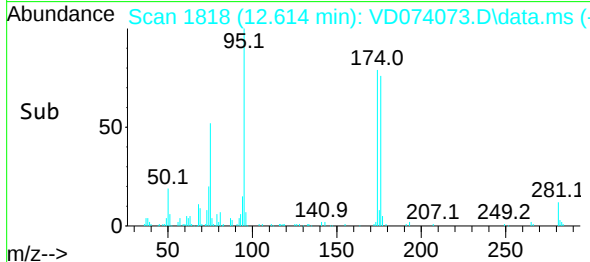
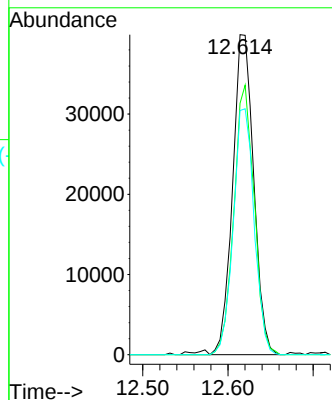
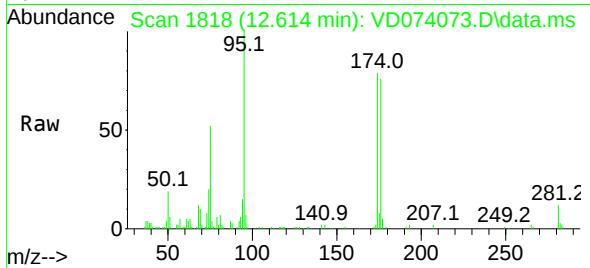




#62
4-Bromofluorobenzene
Concen: 35.158 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

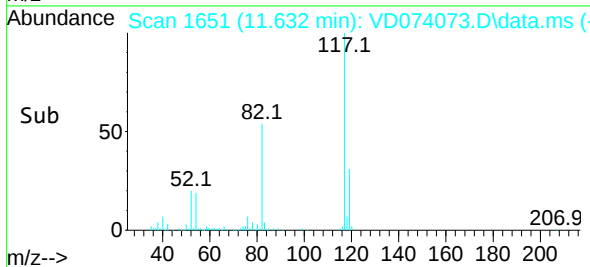
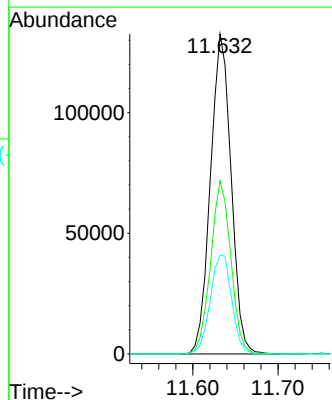
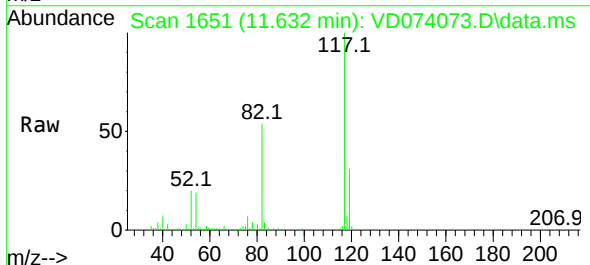
Instrument :
MSVOA_D
ClientSampleId :

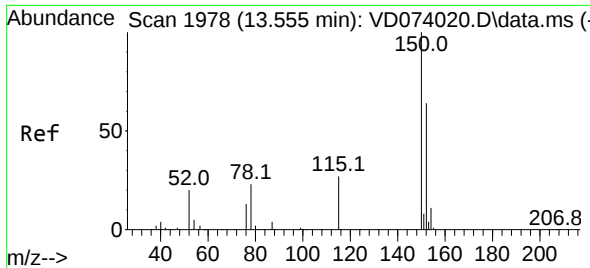
Tgt Ion: 95 Resp: 69052
Ion Ratio Lower Upper
95 100
174 80.6 0.0 162.6
176 75.5 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

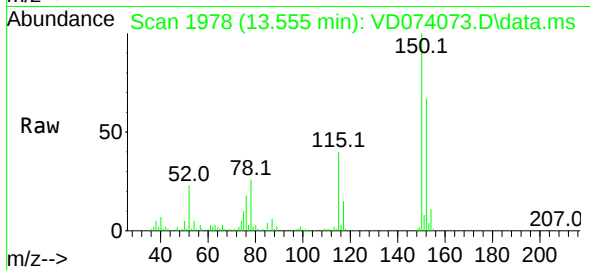
Tgt Ion: 117 Resp: 223113
Ion Ratio Lower Upper
117 100
82 54.1 42.7 64.1
119 30.9 25.8 38.8



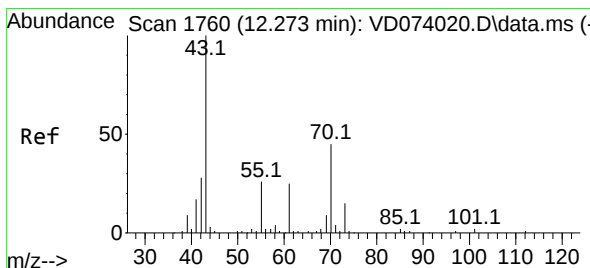
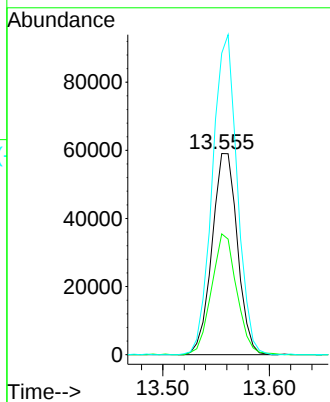
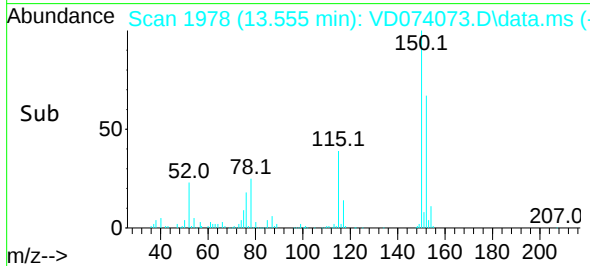


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1978
 Delta R.T. 0.000 min
 Lab File: VD074073.D
 Acq: 12 Aug 2022 20:13

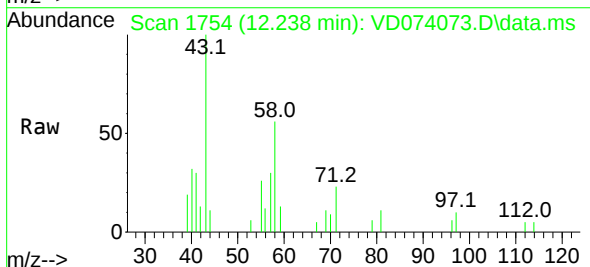
Instrument :
 MSVOA_D
 ClientSampleId :



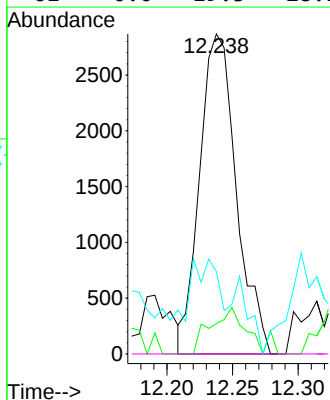
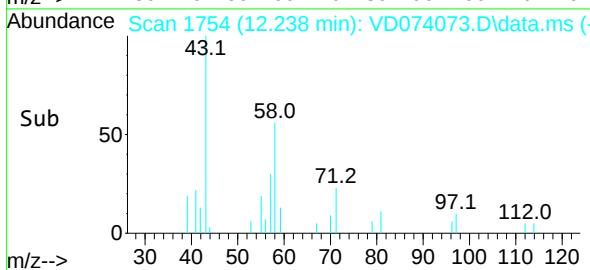
Tgt Ion:152 Resp: 97692
 Ion Ratio Lower Upper
 152 100
 115 59.7 29.9 89.8
 150 155.7 0.0 342.8

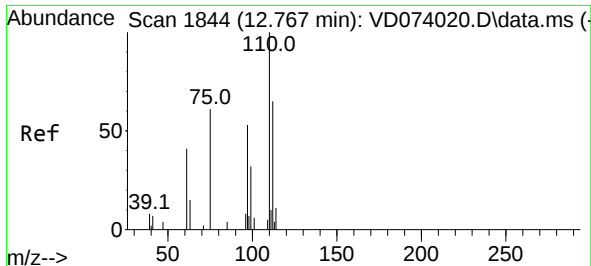


#74
 N-ethyl acetate
 Concen: 4.301 ug/l
 RT: 12.238 min Scan# 1754
 Delta R.T. -0.035 min
 Lab File: VD074073.D
 Acq: 12 Aug 2022 20:13



Tgt Ion: 43 Resp: 5579
 Ion Ratio Lower Upper
 43 100
 70 13.5 35.9 53.9#
 55 0.0 19.4 29.2#
 61 0.0 19.3 28.9#

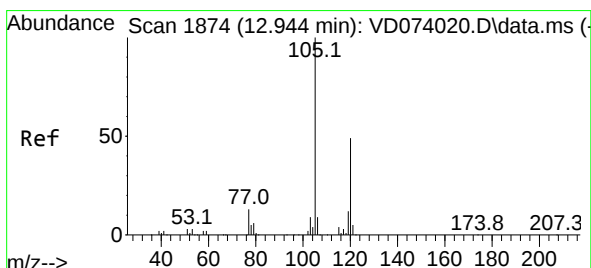
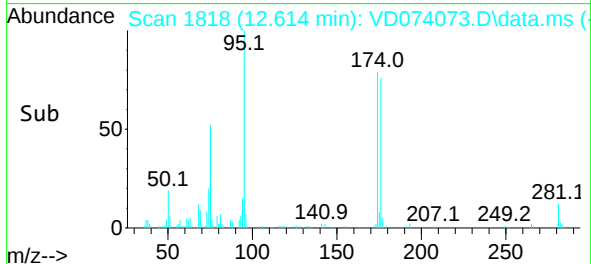
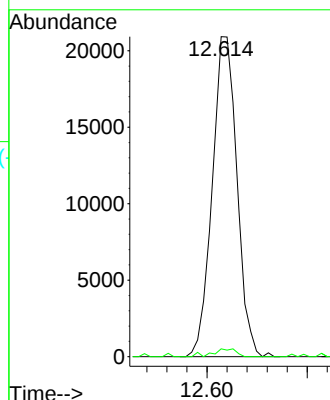
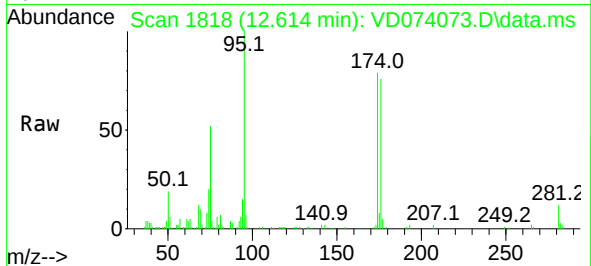




#76
 1,2,3-Trichloropropane
 Concen: 40.128 ug/l
 RT: 12.614 min Scan# 1818
 Delta R.T. -0.153 min
 Lab File: VD074073.D
 Acq: 12 Aug 2022 20:13

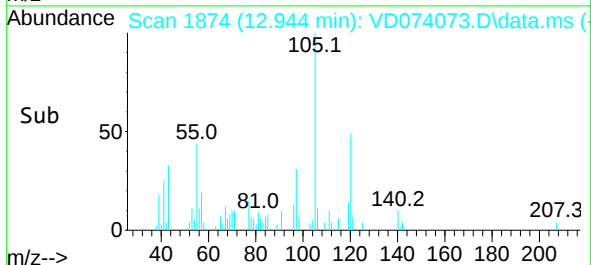
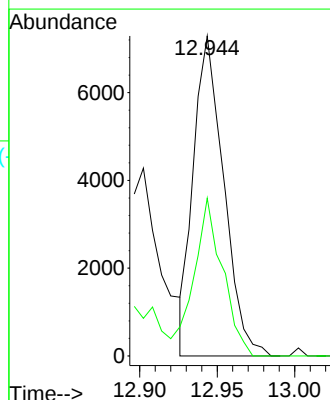
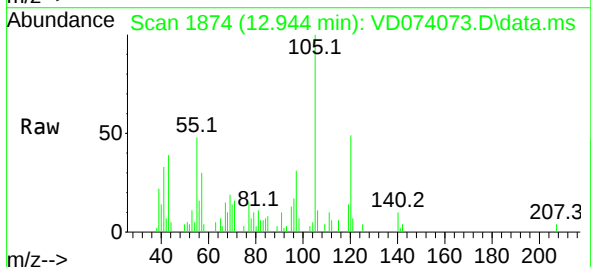
Instrument :
 MSVOA_D
 ClientSampleId :

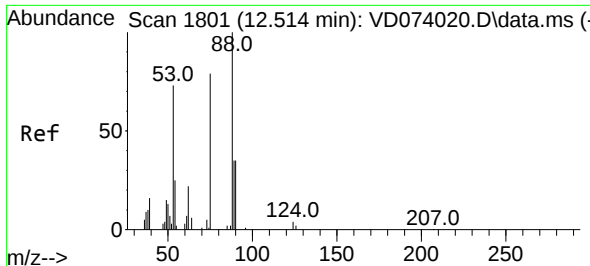
Tgt Ion: 75 Resp: 35792
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.716 ug/l
 RT: 12.944 min Scan# 1874
 Delta R.T. -0.000 min
 Lab File: VD074073.D
 Acq: 12 Aug 2022 20:13

Tgt Ion: 105 Resp: 9896
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.6 73.6

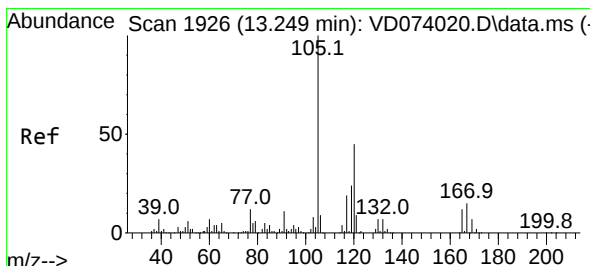
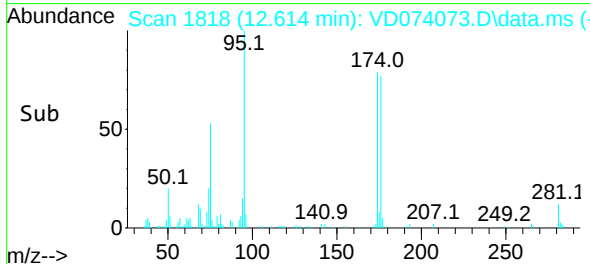
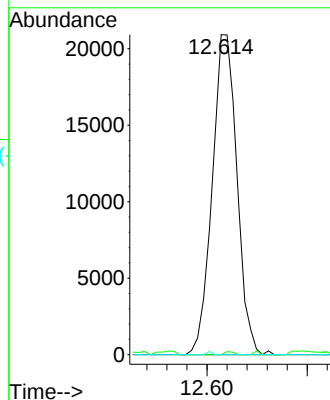
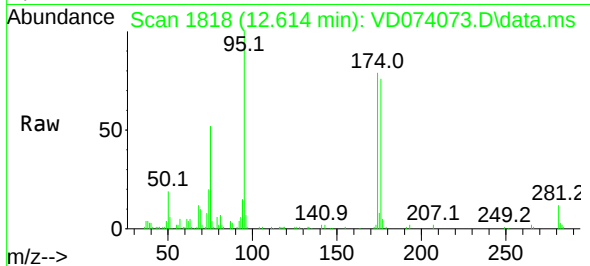




#81
trans-1,4-Dichloro-2-butene
Concen: 107.101 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

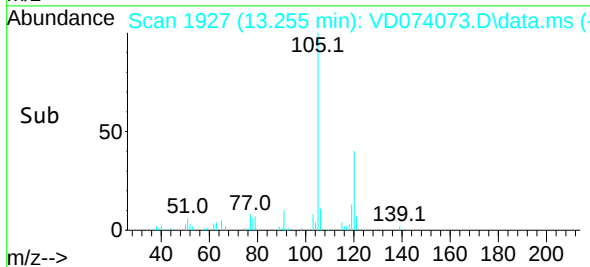
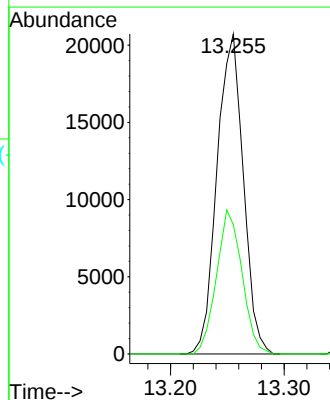
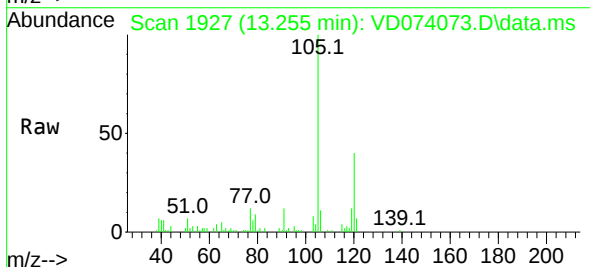
Instrument :
MSVOA_D
ClientSampleId :

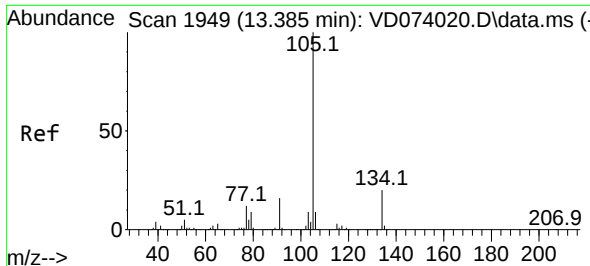
Tgt Ion: 75 Resp: 35792
Ion Ratio Lower Upper
75 100
53 0.4 71.3 106.9#
89 0.2 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 5.742 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.006 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

Tgt Ion: 105 Resp: 33286
Ion Ratio Lower Upper
105 100
120 43.8 22.7 68.0

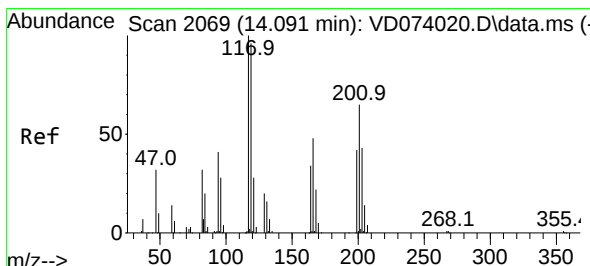
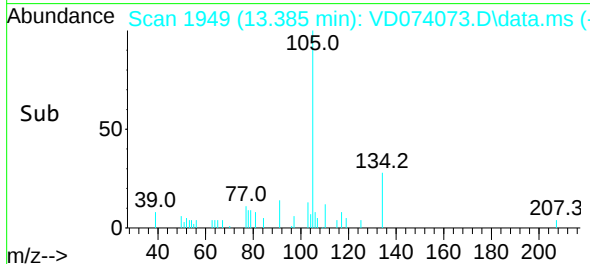
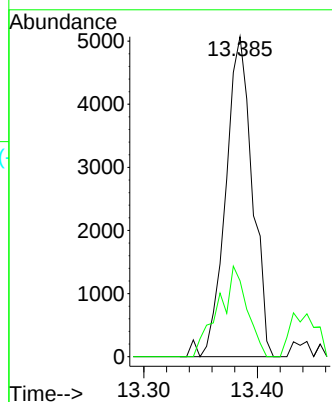
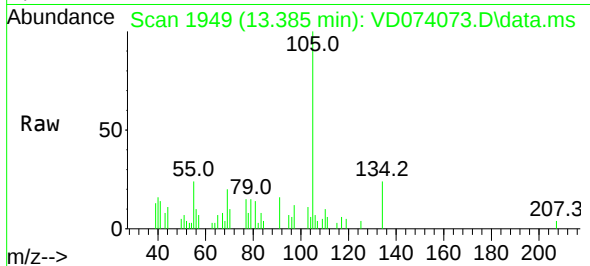




#85
 sec-Butylbenzene
 Concen: 1.097 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VD074073.D
 Acq: 12 Aug 2022 20:13

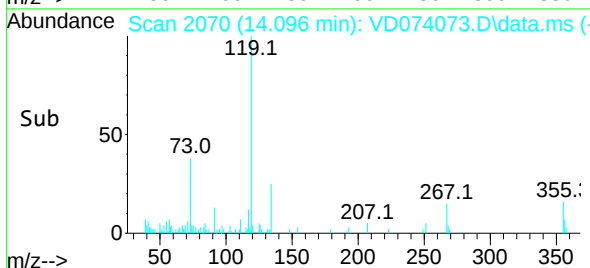
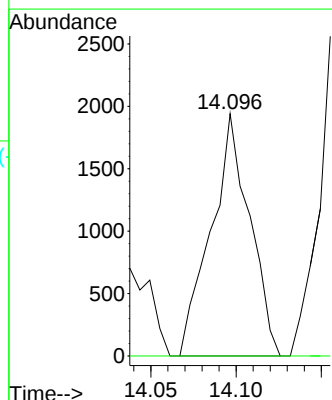
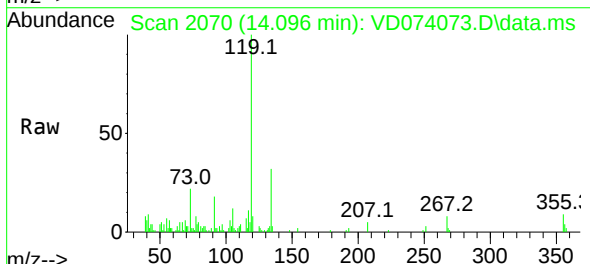
Instrument :
 MSVOA_D
 ClientSampleId :

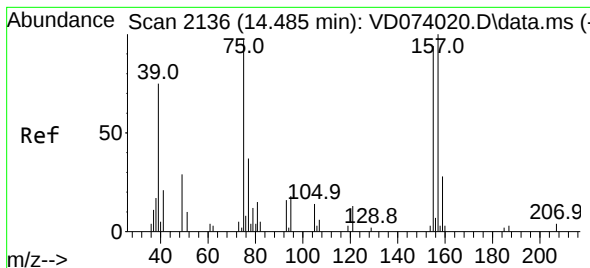
Tgt Ion:105 Resp: 8280
 Ion Ratio Lower Upper
 105 100
 134 30.3 10.1 30.3



#90
 Hexachloroethane
 Concen: 2.453 ug/l
 RT: 14.096 min Scan# 2070
 Delta R.T. 0.005 min
 Lab File: VD074073.D
 Acq: 12 Aug 2022 20:13

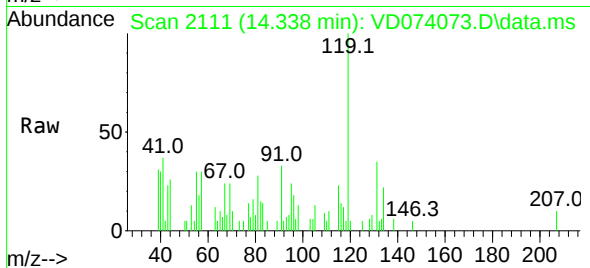
Tgt Ion:117 Resp: 3066
 Ion Ratio Lower Upper
 117 100
 201 0.0 34.1 102.3#



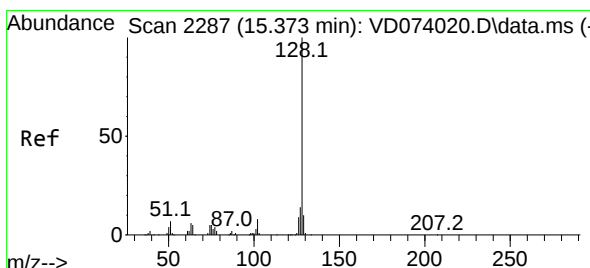
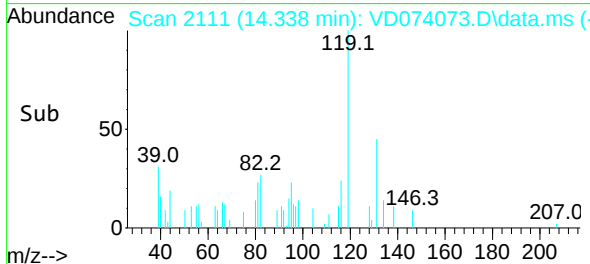
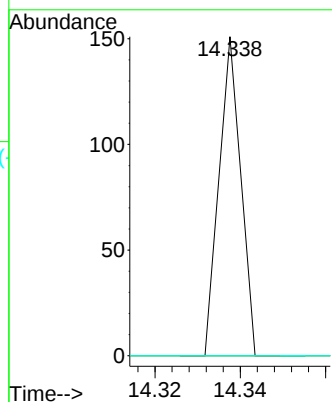


#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.338 min Scan# 2136
Delta R.T. -0.147 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 53
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 55.2 165.6#



#95
Naphthalene
Concen: 4.602 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. 0.006 min
Lab File: VD074073.D
Acq: 12 Aug 2022 20:13

Tgt Ion: 128 Resp: 13847
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.3 8.5 12.7

