

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073156.D
 Acq On : 19 May 2022 23:39
 Operator : VA/SY
 Sample : N2842-04
 Misc : 5.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P016-SS001-0612-01

Quant Time: May 20 01:52:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

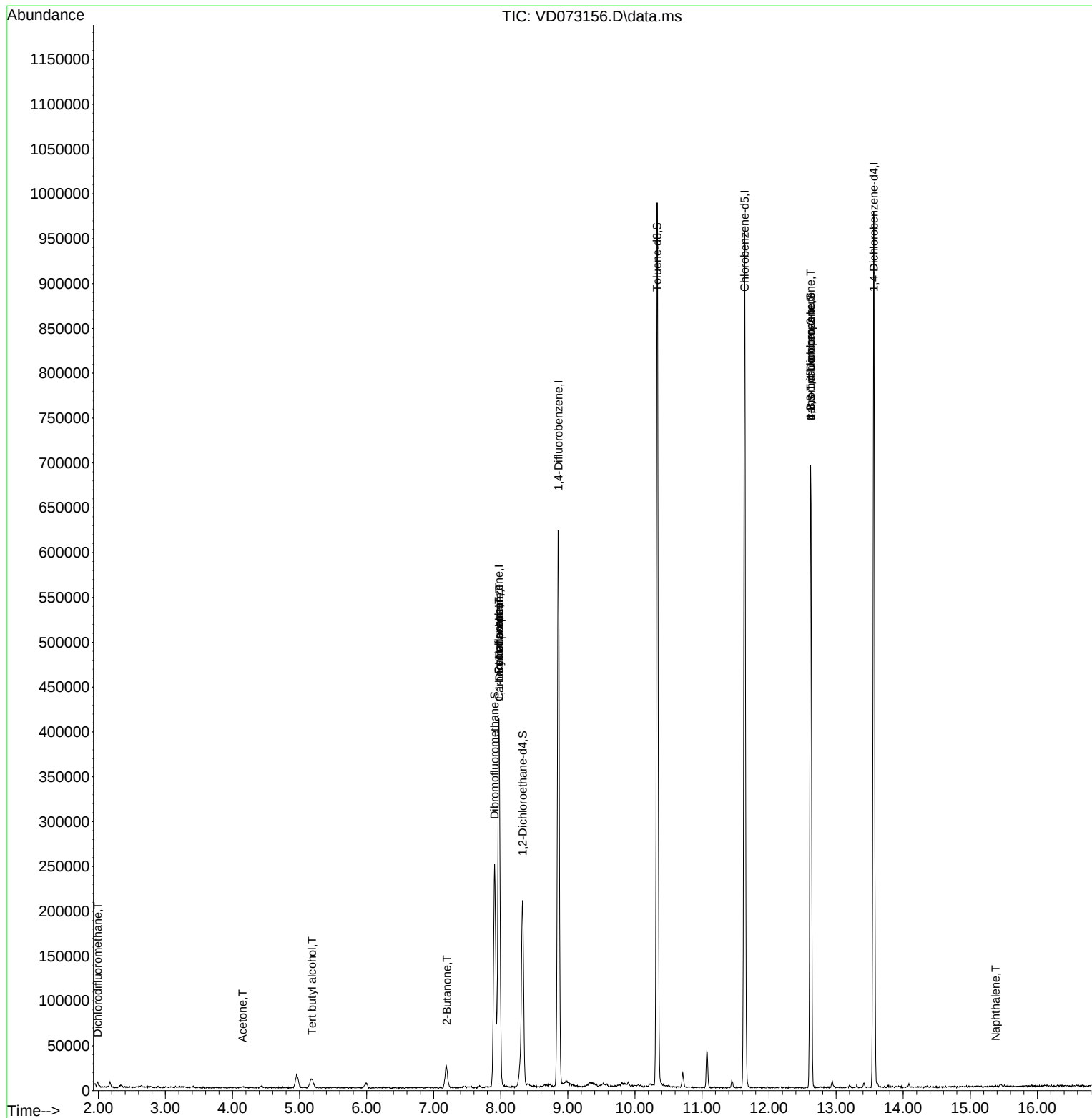
Internal Standards						
1) Pentafluorobenzene	7.973	168	298152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	536049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	542590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	246310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	165246	50.150	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.300%	
35) Dibromofluoromethane	7.908	113	177206	50.098	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.200%	
50) Toluene-d8	10.332	98	656078	50.317	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.640%	
62) 4-Bromofluorobenzene	12.620	95	232676	50.848	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	3439	1.154	ug/l	99
5) Bromomethane	2.779	94	600	Below Cal		95
11) Tert butyl alcohol	5.185	59	9399	18.385	ug/l #	74
16) Acetone	4.150	43	2302	4.033	ug/l #	47
20) Methylene Chloride	4.956	84	10785	Below Cal	#	75
25) 2-Butanone	7.197	43	1364	1.634	ug/l #	52
31) Cyclohexane	7.973	56	6488	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	25770	4.844	ug/l #	50
38) Carbon Tetrachloride	7.979	117	31714	5.881	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	119500	49.447	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	119500	118.707	ug/l #	7
95) Naphthalene	15.379	128	134	3.557	ug/l #	70

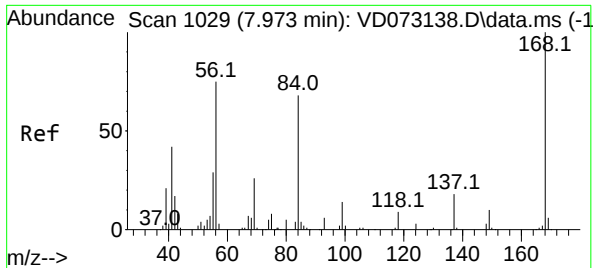
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
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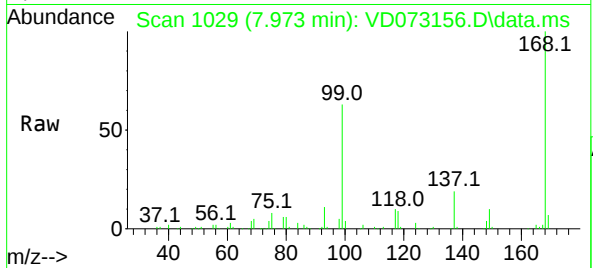
Quant Time: May 20 01:52:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
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QLast Update : Thu May 19 15:13:42 2022
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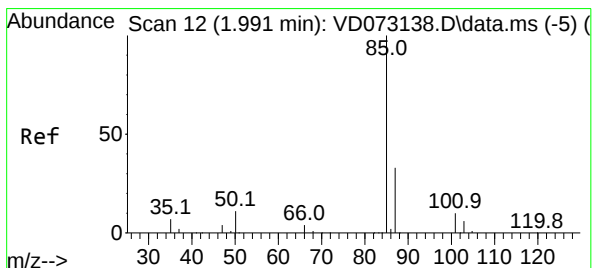
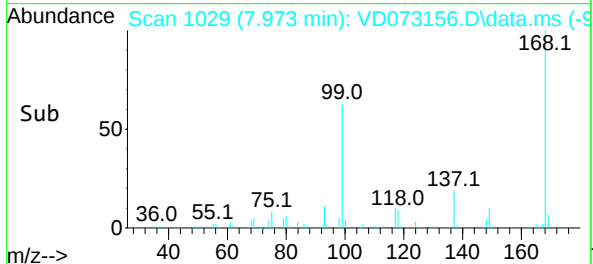
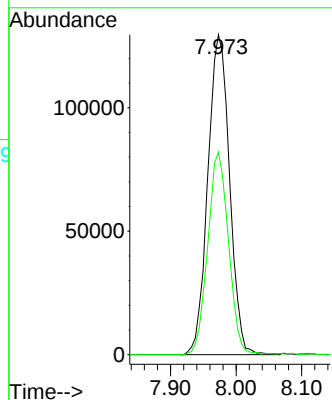


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0612-01

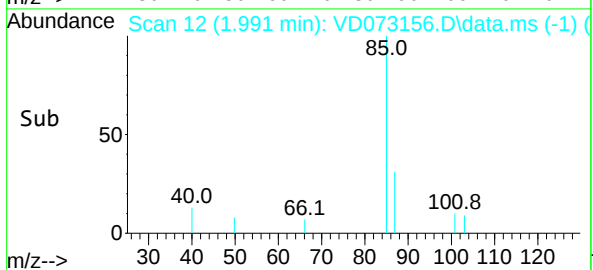
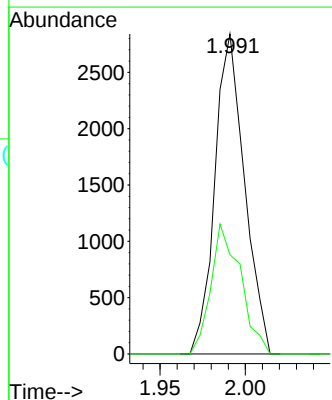
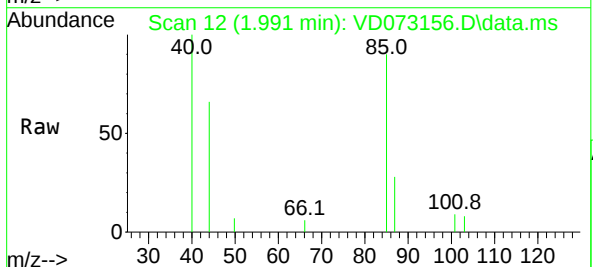


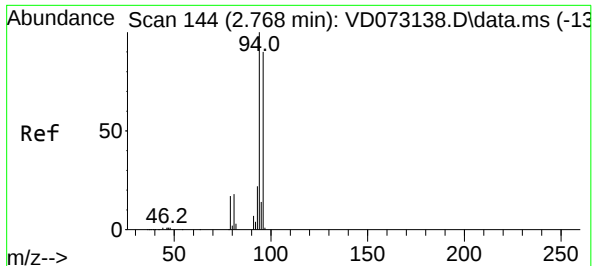
Tgt Ion:168 Resp: 298152
Ion Ratio Lower Upper
168 100
99 63.3 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.154 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

Tgt Ion: 85 Resp: 3439
Ion Ratio Lower Upper
85 100
87 31.0 15.7 47.0

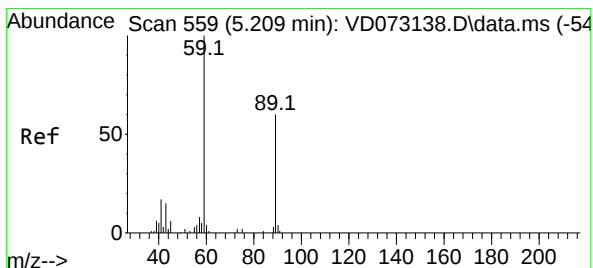
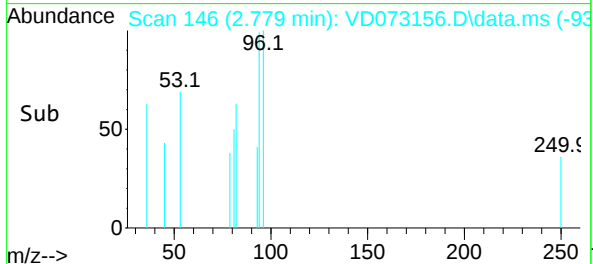
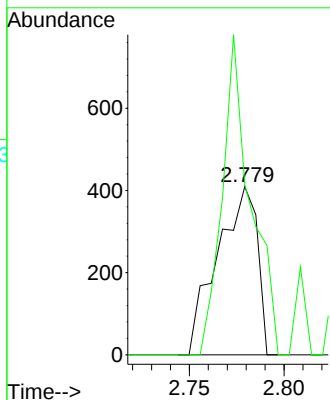
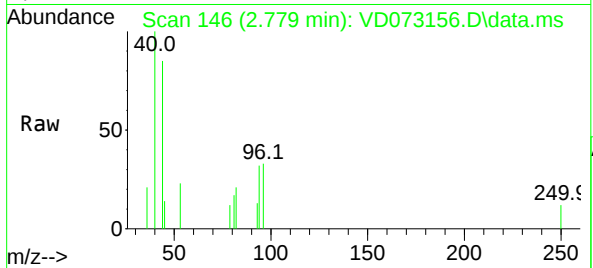




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

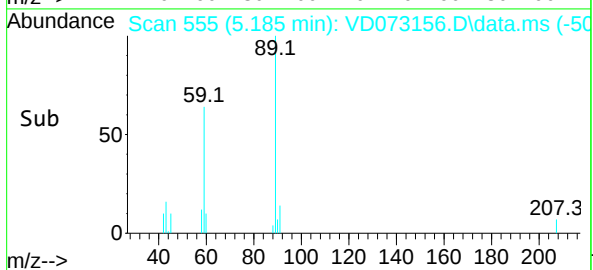
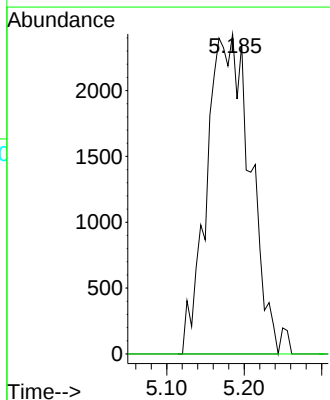
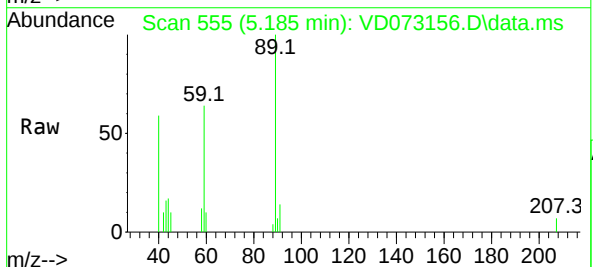
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0612-01

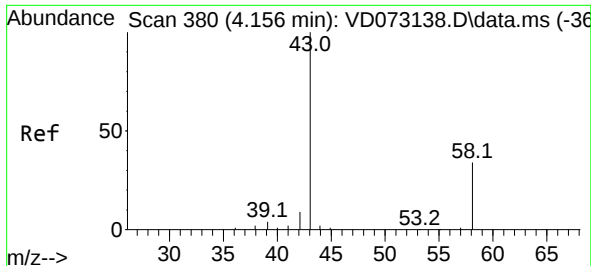
Tgt Ion: 94 Resp: 600
Ion Ratio Lower Upper
94 100
96 101.5 77.6 116.4



#11
Tert butyl alcohol
Concen: 18.385 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

Tgt Ion: 59 Resp: 9399
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#16

Acetone

Concen: 4.033 ug/l

RT: 4.150 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD073156.D

Acq: 19 May 2022 23:39

Instrument :

MSVOA_D

ClientSampleId :

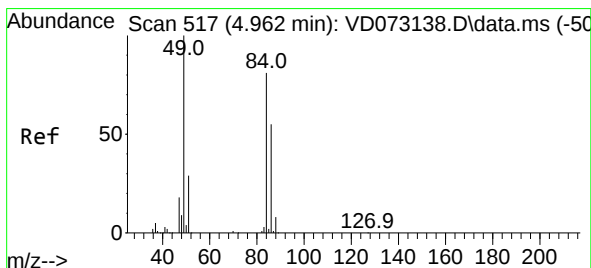
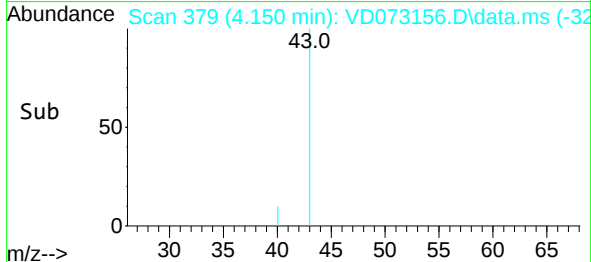
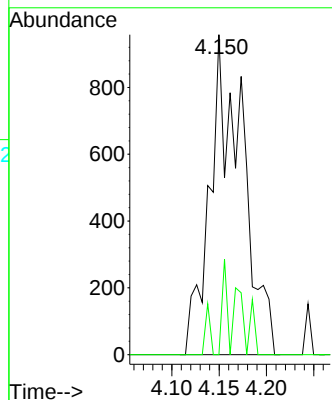
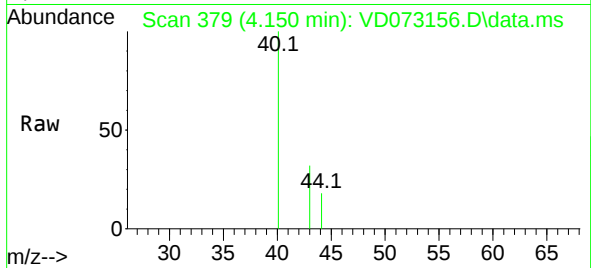
P016-SS001-0612-01

Tgt Ion: 43 Resp: 2302

Ion Ratio Lower Upper

43 100

58 0.0 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD073156.D

Acq: 19 May 2022 23:39

Tgt Ion: 84 Resp: 10785

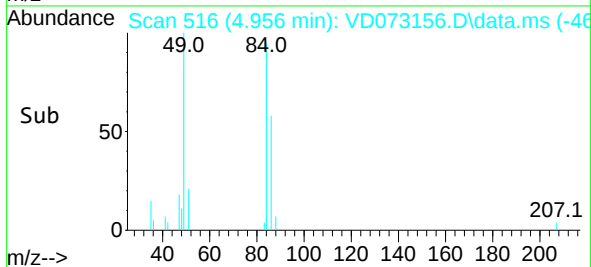
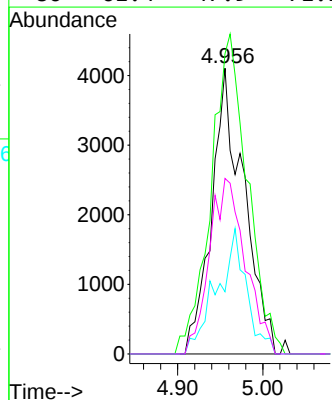
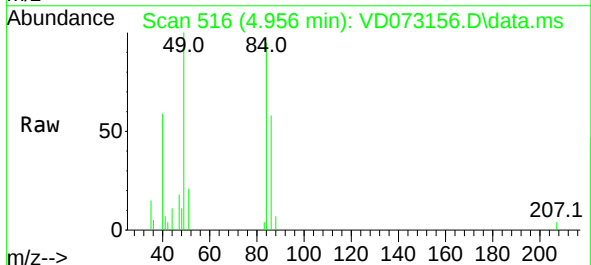
Ion Ratio Lower Upper

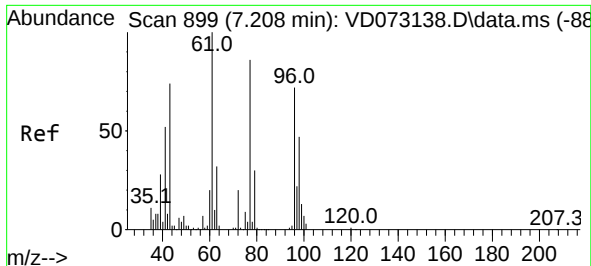
84 100

49 101.3 112.8 169.2#

51 21.8 32.6 48.8#

86 61.4 47.9 71.9

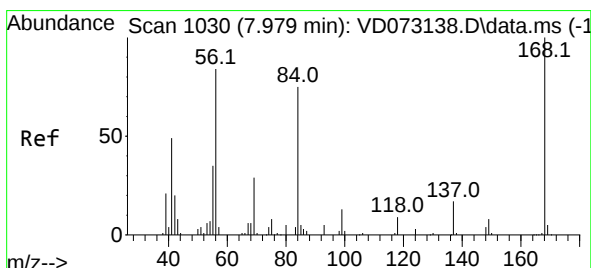
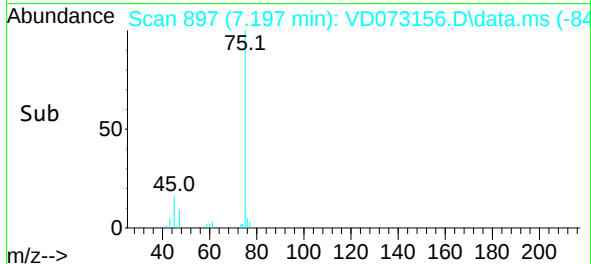
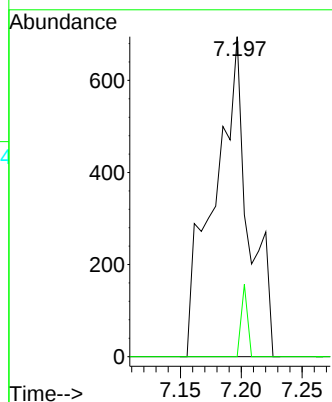
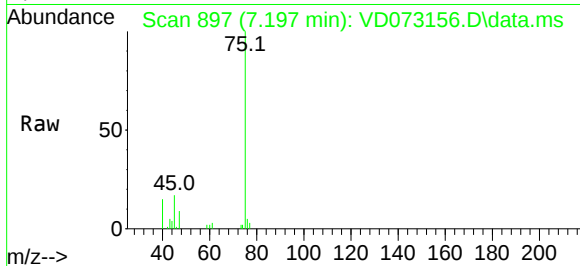




#25
2-Butanone
Concen: 1.634 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.011 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

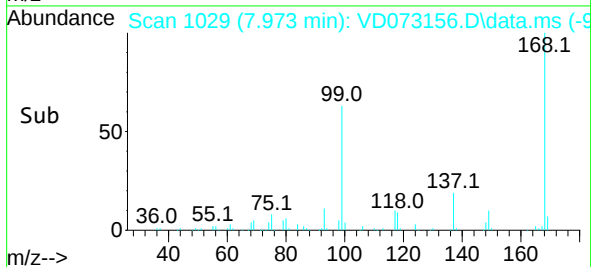
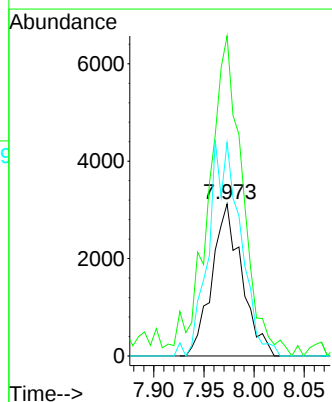
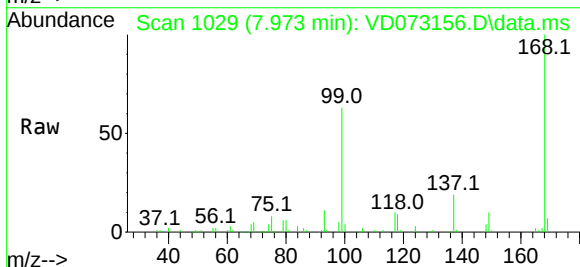
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0612-01

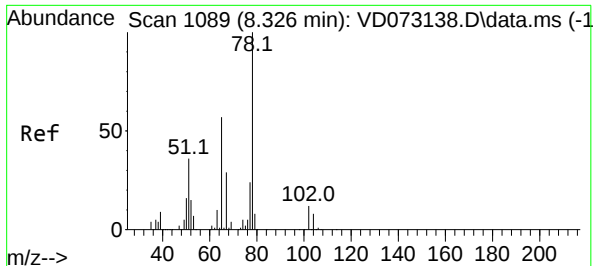
Tgt Ion: 43 Resp: 1364
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

Tgt Ion: 56 Resp: 6488
Ion Ratio Lower Upper
56 100
69 200.0 25.4 38.2#
84 140.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.150 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD073156.D

Acq: 19 May 2022 23:39

Instrument :

MSVOA_D

ClientSampleId :

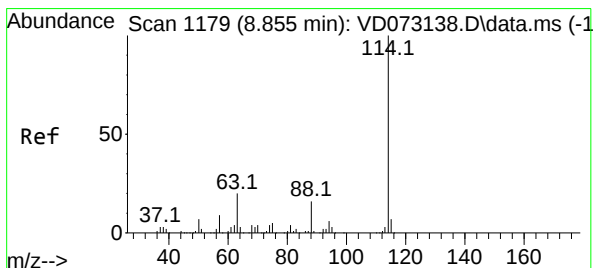
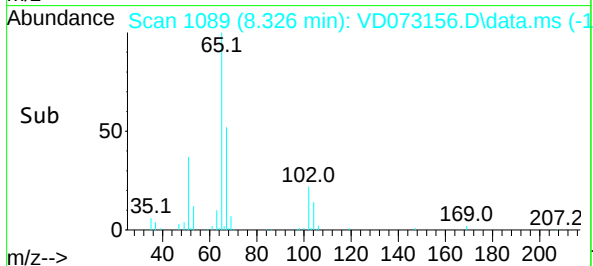
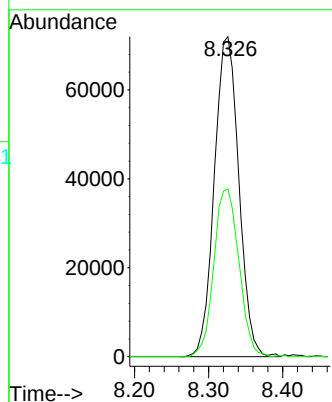
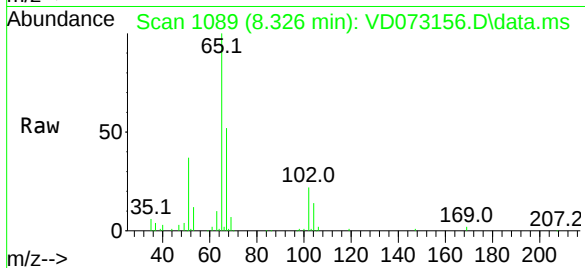
P016-SS001-0612-01

Tgt Ion: 65 Resp: 165246

Ion Ratio Lower Upper

65 100

67 53.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073156.D

Acq: 19 May 2022 23:39

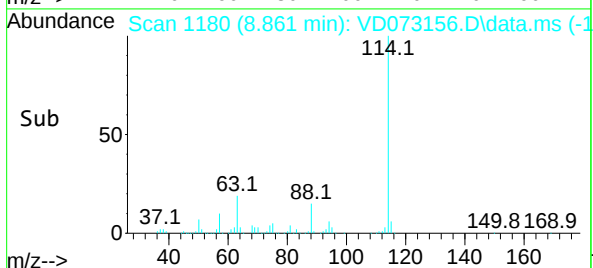
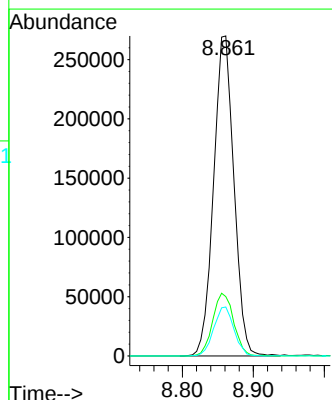
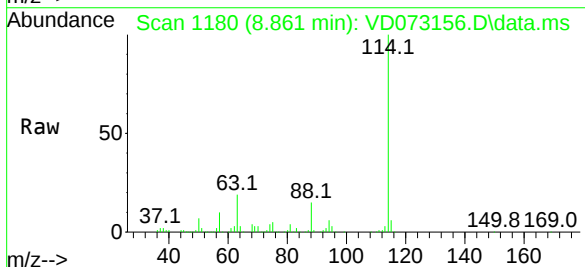
Tgt Ion: 114 Resp: 536049

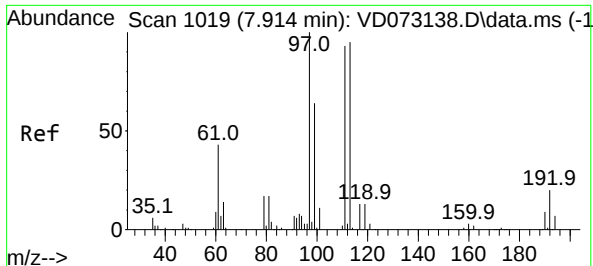
Ion Ratio Lower Upper

114 100

63 18.5 0.0 46.6

88 15.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.098 ug/l

RT: 7.908 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073156.D

Acq: 19 May 2022 23:39

Instrument :

MSVOA_D

ClientSampleId :

P016-SS001-0612-01

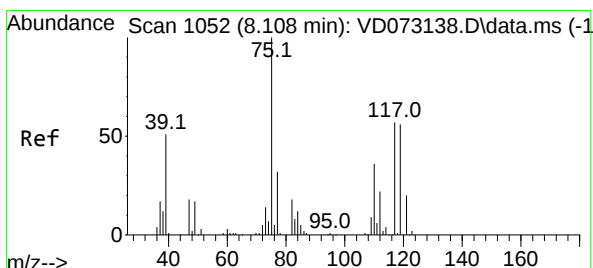
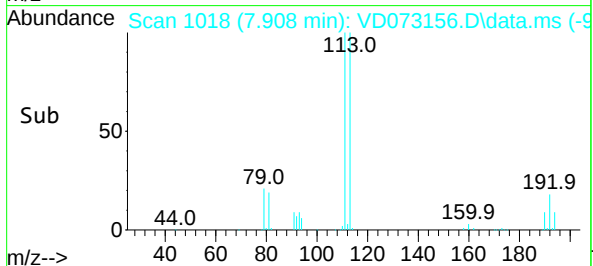
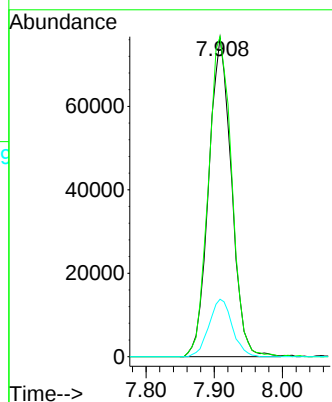
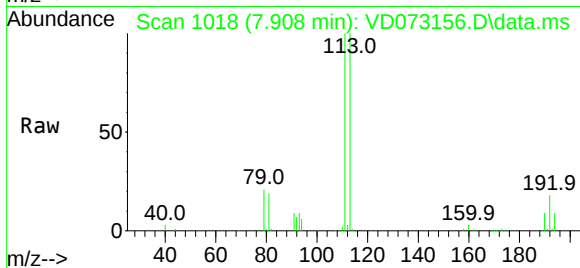
Tgt Ion:113 Resp: 177206

Ion Ratio Lower Upper

113 100

111 103.3 83.8 125.6

192 18.5 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.844 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD073156.D

Acq: 19 May 2022 23:39

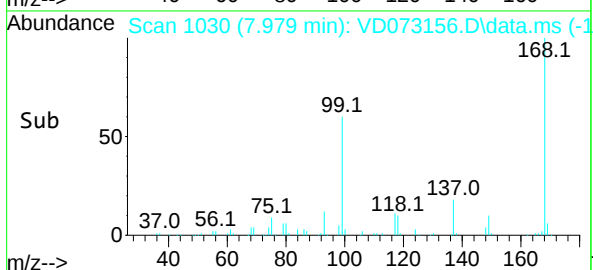
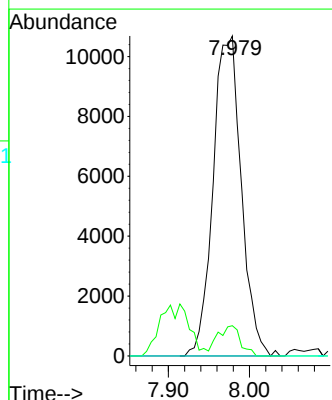
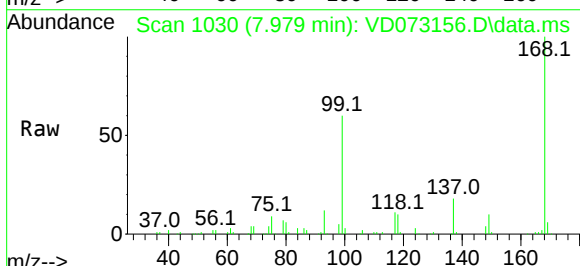
Tgt Ion: 75 Resp: 25770

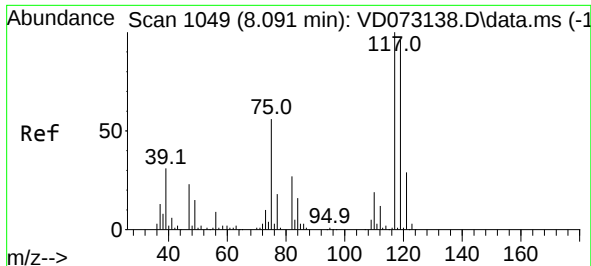
Ion Ratio Lower Upper

75 100

110 7.6 16.4 49.1#

77 0.0 24.2 36.2#

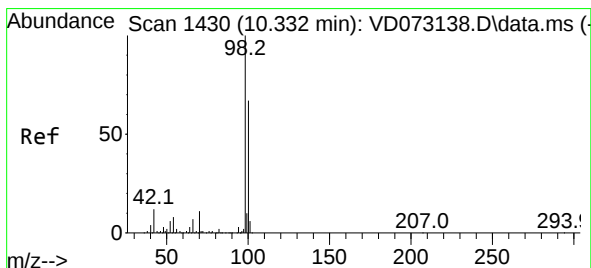
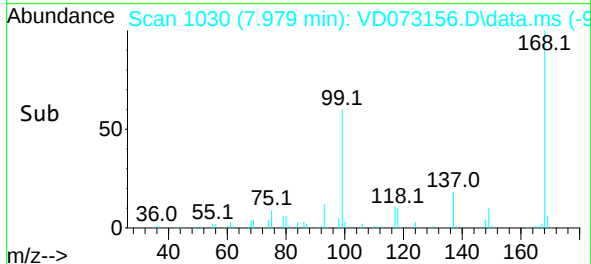
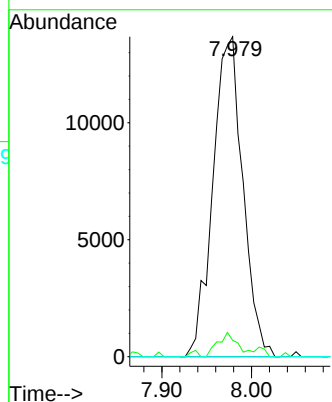
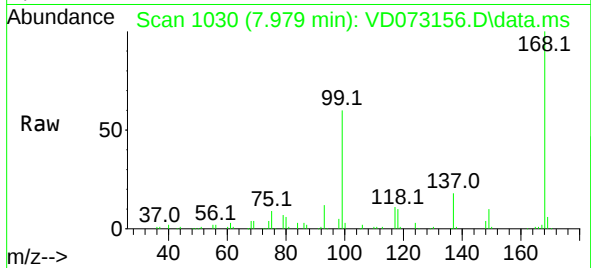




#38
Carbon Tetrachloride
Concen: 5.881 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

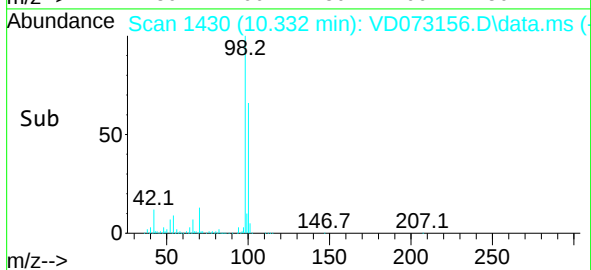
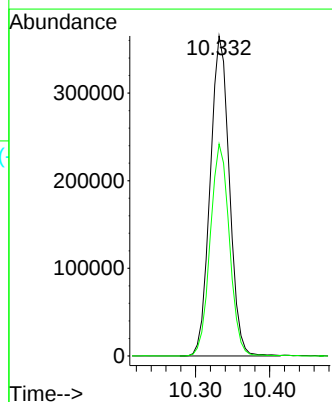
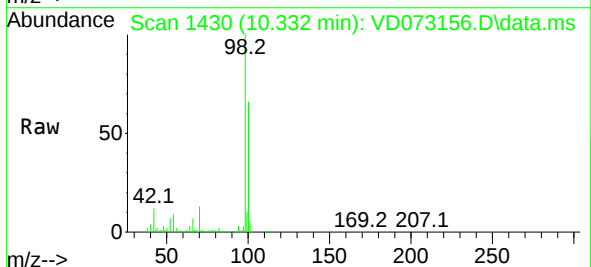
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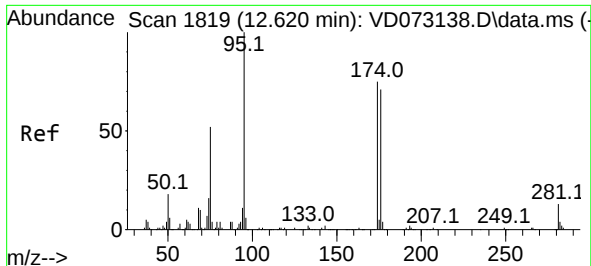
Tgt Ion:117 Resp: 31714
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.317 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

Tgt Ion: 98 Resp: 656078
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6

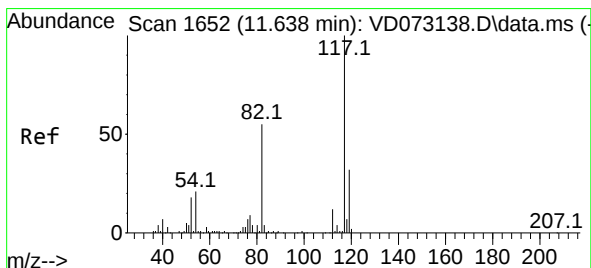
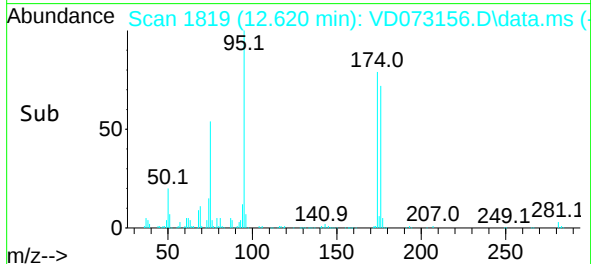
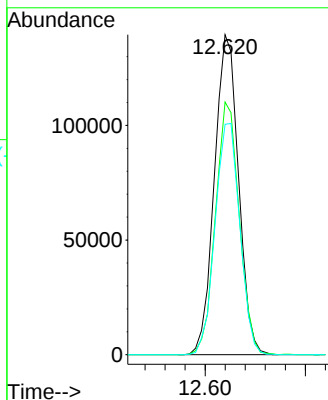
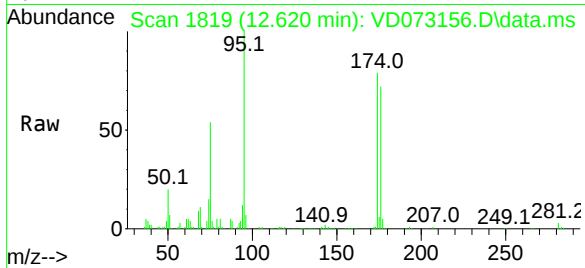




#62
4-Bromofluorobenzene
Concen: 50.848 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

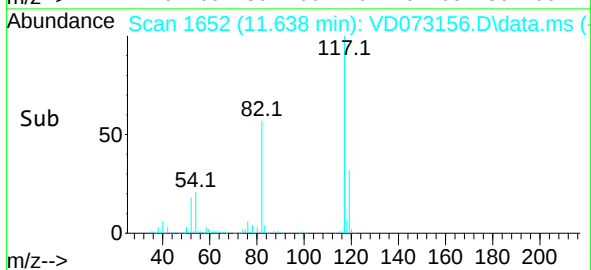
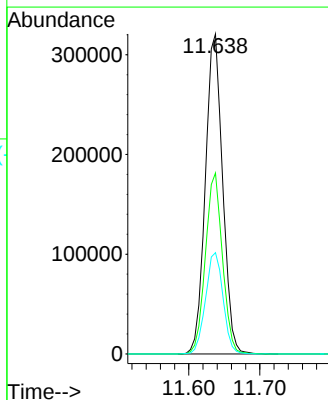
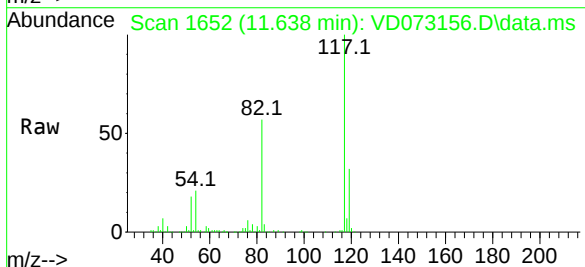
Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0612-01

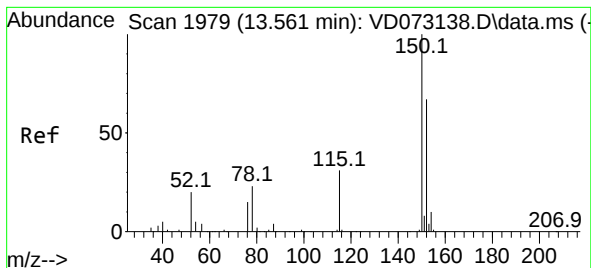
Tgt Ion:	95	Resp:	232676
Ion Ratio	Lower	Upper	
95	100		
174	78.2	0.0	152.8
176	74.2	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

Tgt Ion:	117	Resp:	542590
Ion Ratio	Lower	Upper	
117	100		
82	56.6	45.3	67.9
119	31.7	26.6	40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073156.D

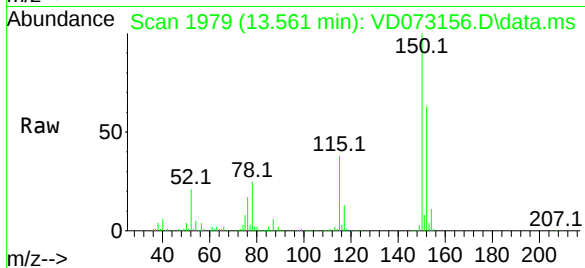
Acq: 19 May 2022 23:39

Instrument :

MSVOA_D

ClientSampleId :

P016-SS001-0612-01



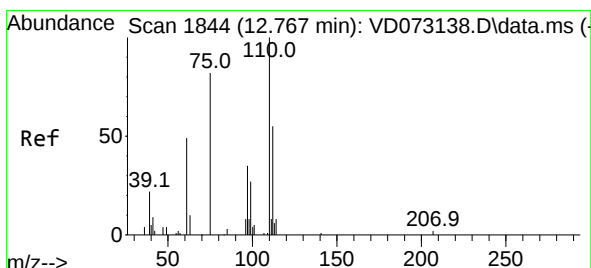
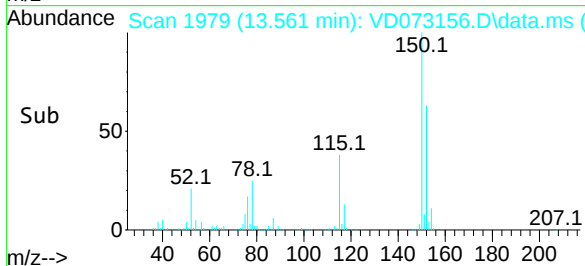
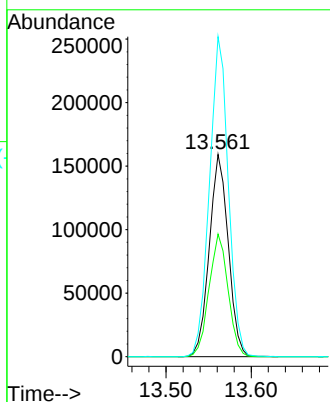
Tgt Ion:152 Resp: 246310

Ion Ratio Lower Upper

152 100

115 60.6 31.3 93.8

150 157.4 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 49.447 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073156.D

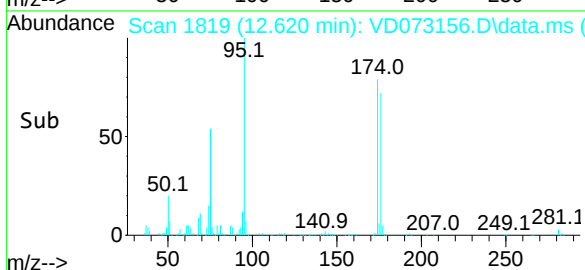
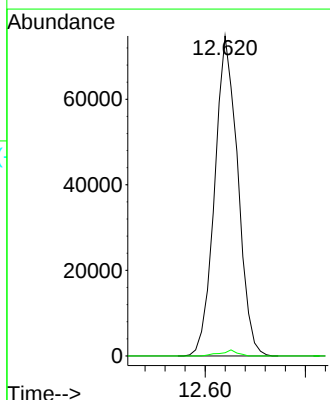
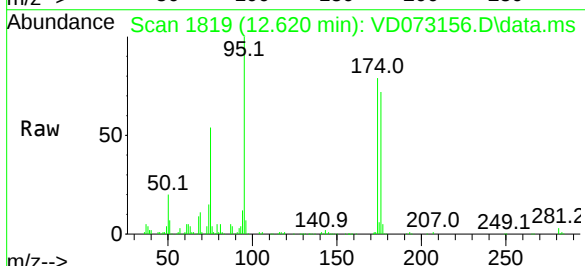
Acq: 19 May 2022 23:39

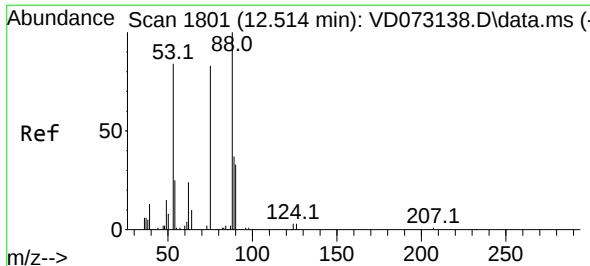
Tgt Ion: 75 Resp: 119500

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

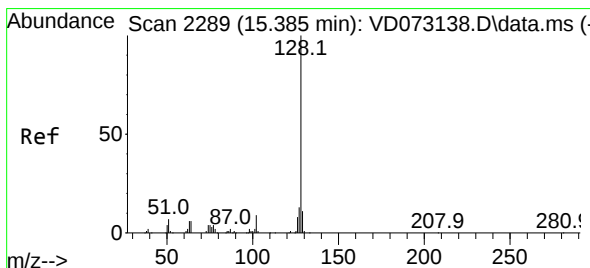
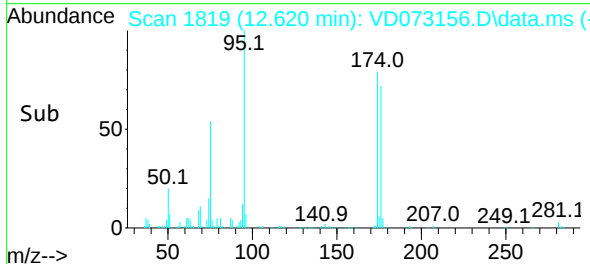
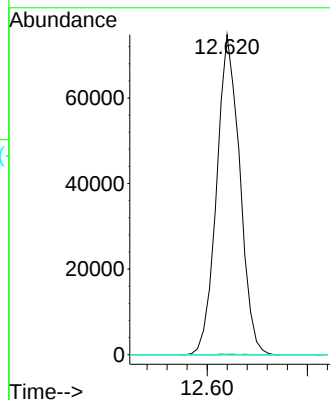
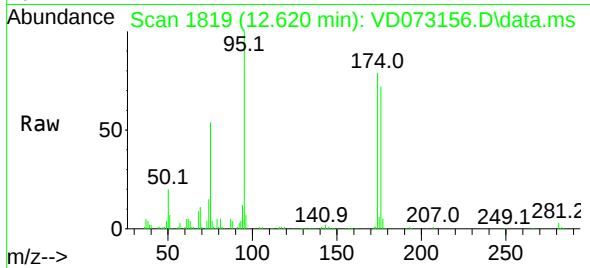




#81
trans-1,4-Dichloro-2-butene
Concen: 118.707 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

Instrument :
MSVOA_D
ClientSampleId :
P016-SS001-0612-01

Tgt Ion: 75 Resp: 119500
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.557 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073156.D
Acq: 19 May 2022 23:39

Tgt Ion: 128 Resp: 134
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

