

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072723\
 Data File : VD076843.D
 Acq On : 27 Jul 2023 19:33
 Operator : KP/SY
 Sample : 03788-01
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 03:01:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	108007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	216081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	185907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64340	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75169	69.874	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.740%
35) Dibromofluoromethane	7.805	113	79153	58.292	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.580%
50) Toluene-d8	10.269	98	236377	48.661	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.575	95	66620	42.394	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.780%

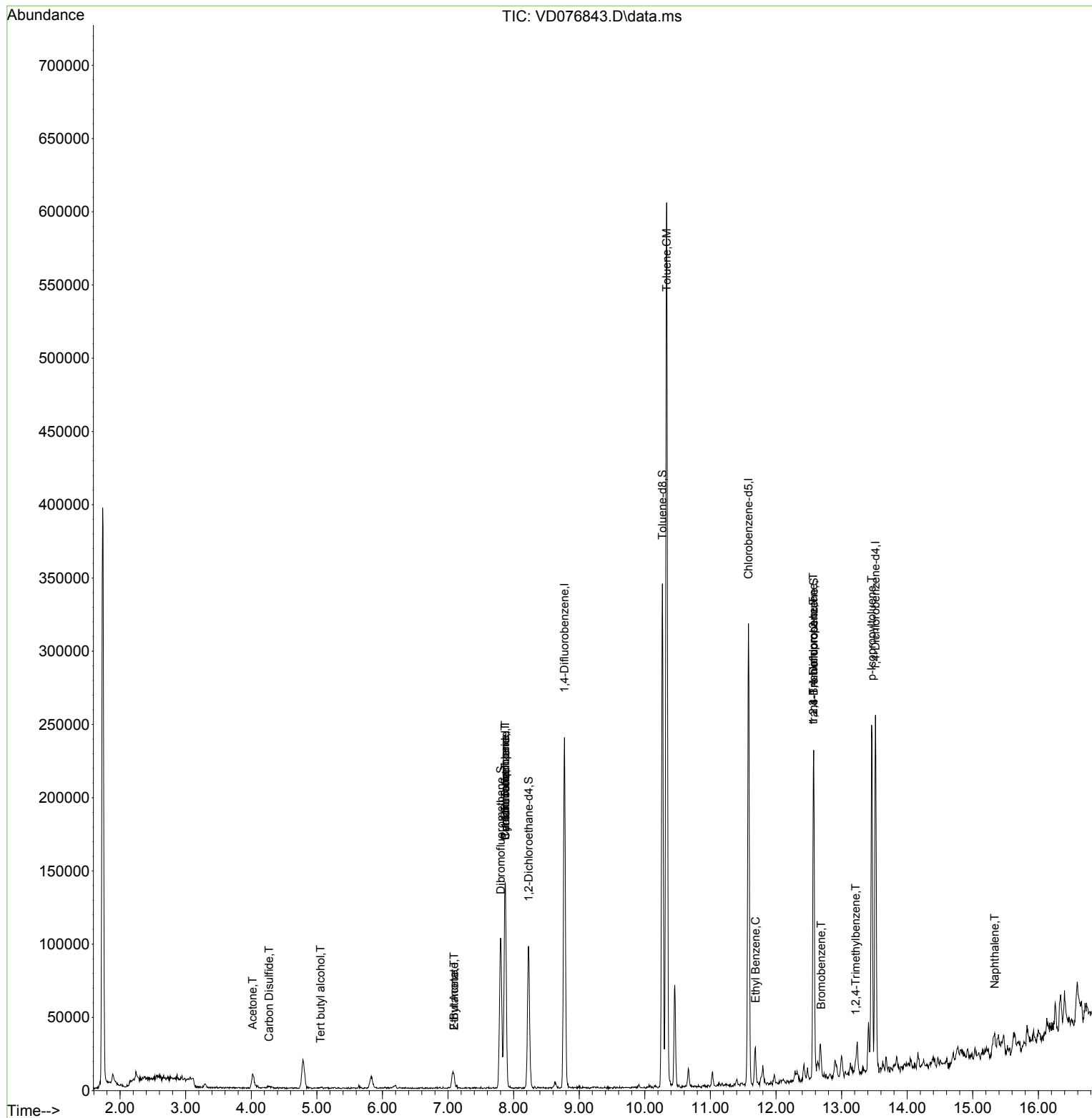
Target Compounds					Qvalue
11) Tert butyl alcohol	5.058	59	376	4.684	ug/l # 73
16) Acetone	4.022	43	16239	63.206	ug/l 96
17) Carbon Disulfide	4.269	76	2770	1.111	ug/l # 76
20) Methylene Chloride	4.787	84	14864	Below Cal	98
25) 2-Butanone	7.093	43	7412	21.556	ug/l # 79
31) Cyclohexane	7.875	56	3007	1.899	ug/l # 74
36) 1,1-Dichloropropene	7.869	75	9562	5.389	ug/l # 47
37) Ethyl Acetate	7.093	43	7412	9.341	ug/l # 64
38) Carbon Tetrachloride	7.875	117	11965	7.042	ug/l # 14
52) Toluene	10.334	92	276653	75.238	ug/l 96
67) Ethyl Benzene	11.687	91	17948	2.733	ug/l 100
76) 1,2,3-Trichloropropane	12.569	75	36171	59.116	ug/l # 100
77) Bromobenzene	12.687	156	1255	1.165	ug/l # 1
81) trans-1,4-Dichloro-2-b...	12.569	75	36171	125.814	ug/l # 17
84) 1,2,4-Trimethylbenzene	13.216	105	5726	1.485	ug/l 74
86) p-Isopropyltoluene	13.457	119	140276	33.452	ug/l 96
95) Naphthalene	15.334	128	9110	3.529	ug/l # 94

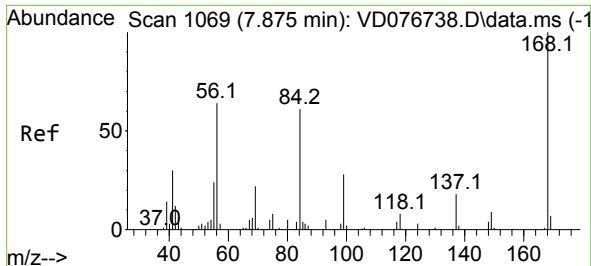
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration

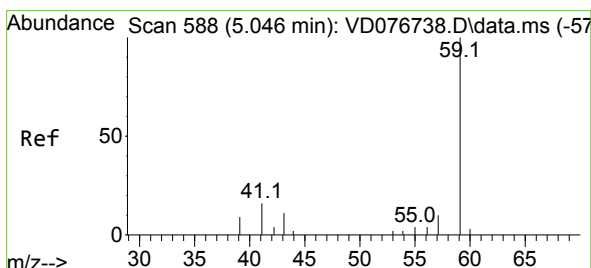
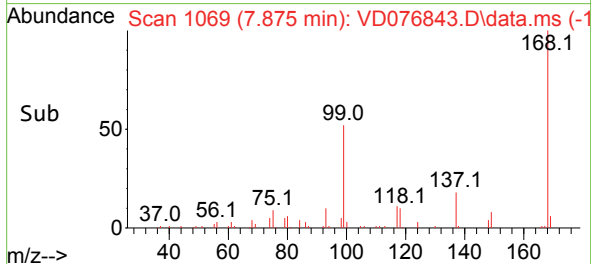
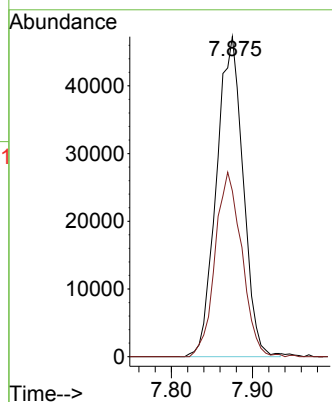
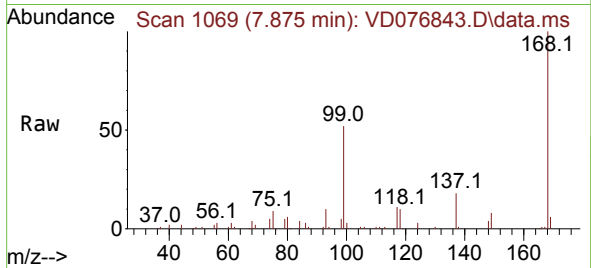




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

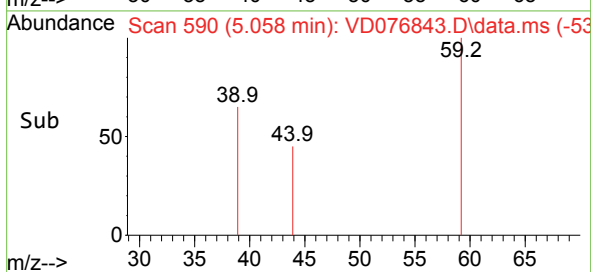
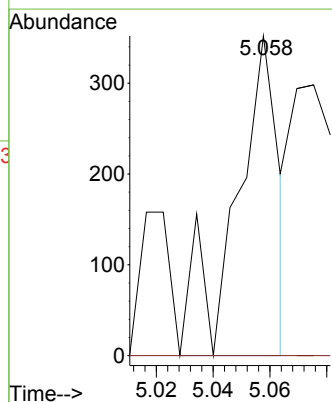
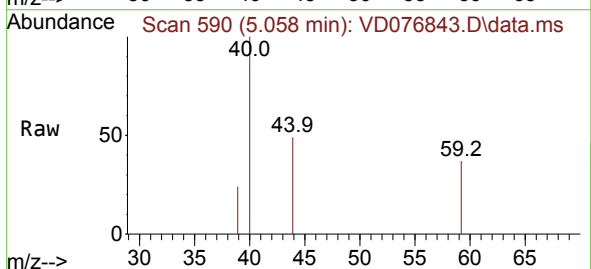
Instrument :
MSVOA_D
ClientSampleId :

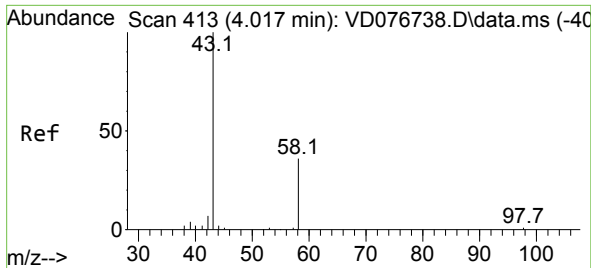
Tgt Ion:168 Resp: 108007
Ion Ratio Lower Upper
168 100
99 51.8 36.7 55.1



#11
Tert butyl alcohol
Concen: 4.684 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.012 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

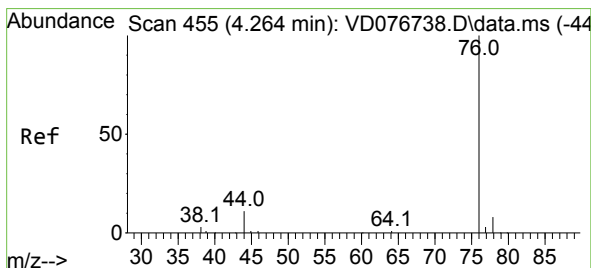
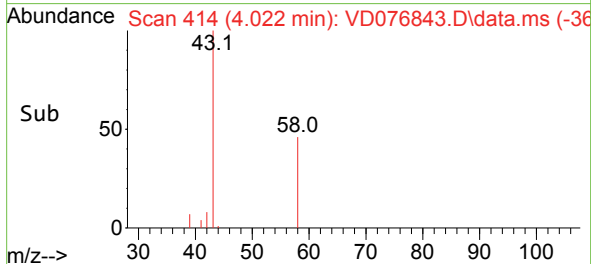
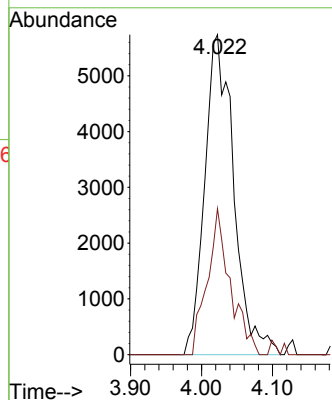
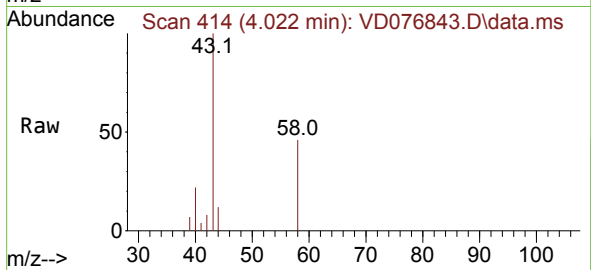




#16
Acetone
Concen: 63.206 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

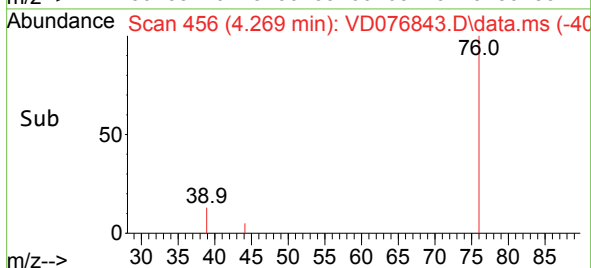
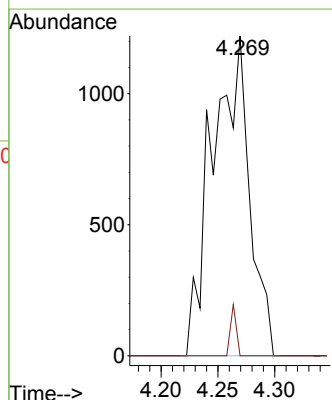
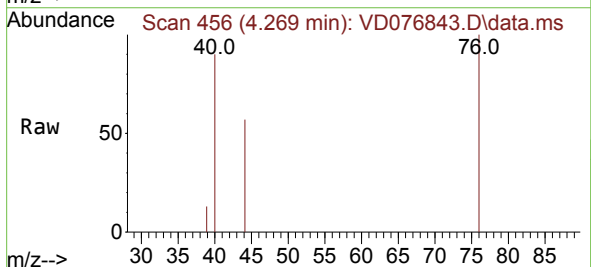
Instrument :
MSVOA_D
ClientSampleId :

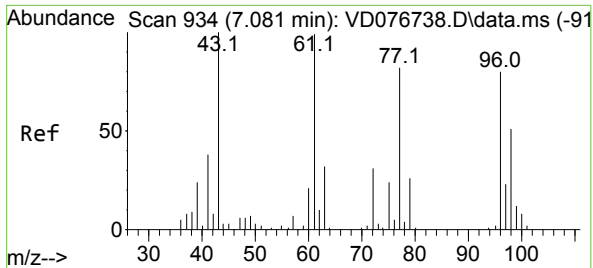
Tgt Ion: 43 Resp: 16239
Ion Ratio Lower Upper
43 100
58 45.7 34.7 52.1



#17
Carbon Disulfide
Concen: 1.111 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.005 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion: 76 Resp: 2770
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

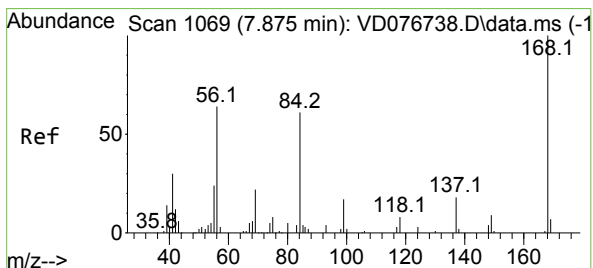
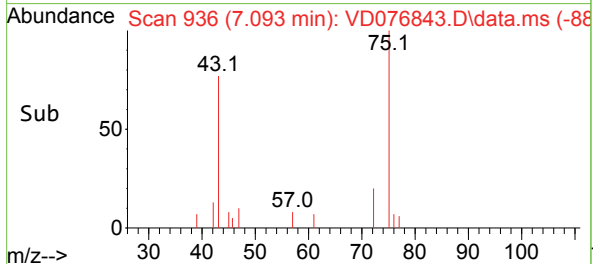
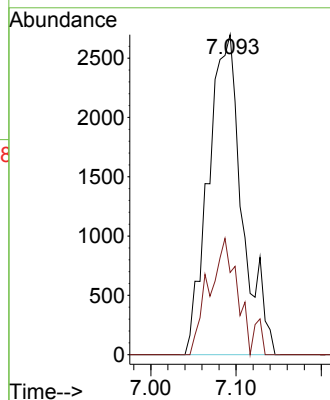
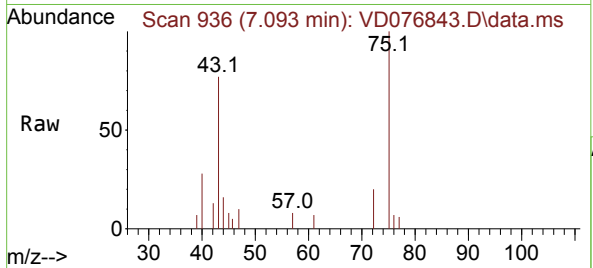




#25
2-Butanone
Concen: 21.556 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

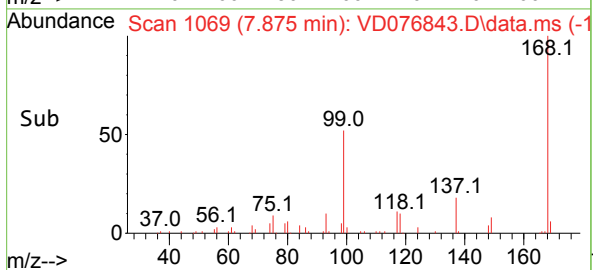
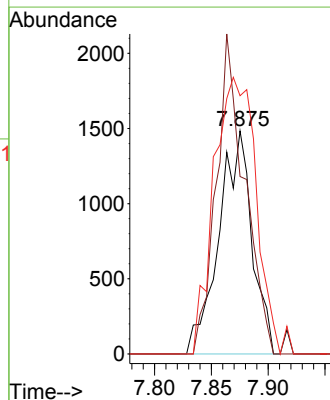
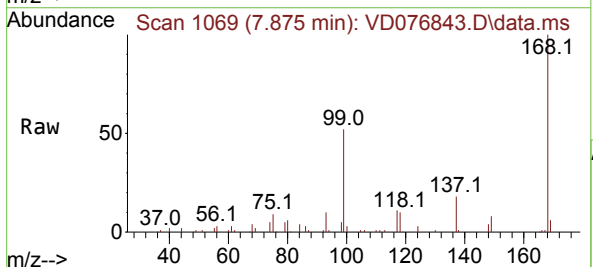
Instrument :
MSVOA_D
ClientSampleId :

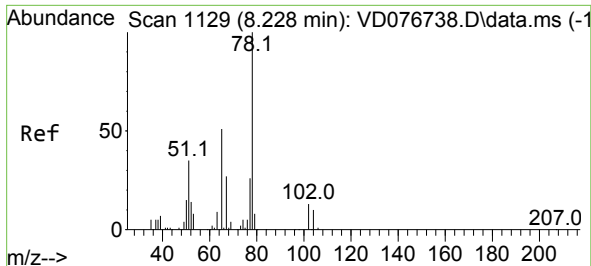
Tgt Ion: 43 Resp: 7412
Ion Ratio Lower Upper
43 100
72 25.7 30.7 46.1#



#31
Cyclohexane
Concen: 1.899 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion: 56 Resp: 3007
Ion Ratio Lower Upper
56 100
69 79.6 28.6 43.0#
84 115.8 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 69.874 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

Instrument :

MSVOA_D

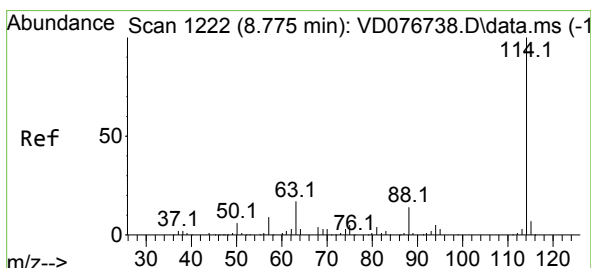
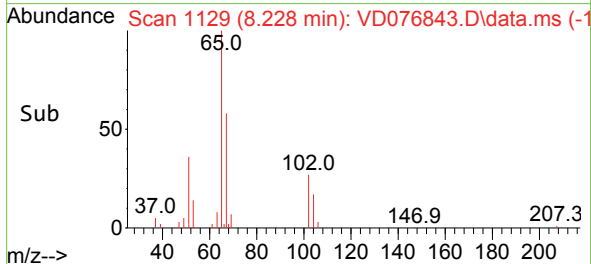
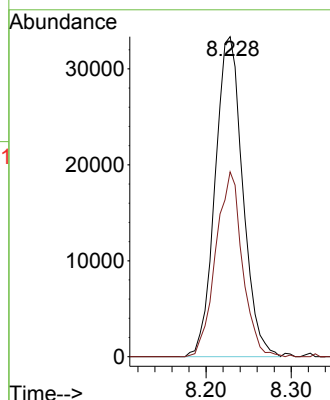
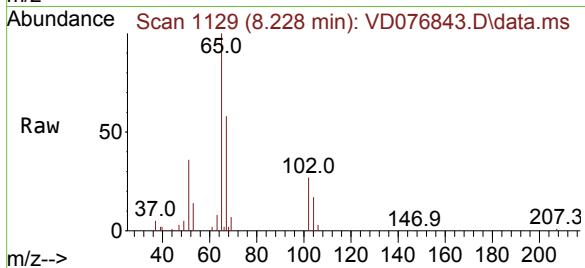
ClientSampleId :

Tgt Ion: 65 Resp: 75169

Ion Ratio Lower Upper

65 100

67 55.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

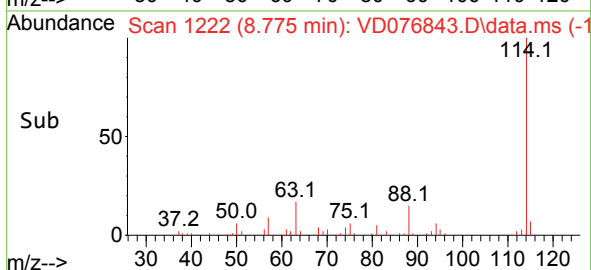
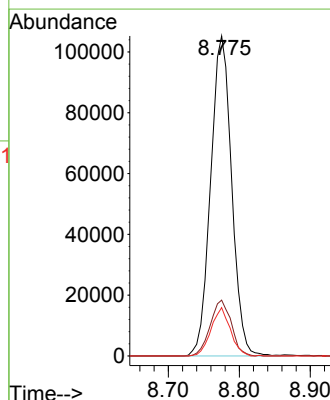
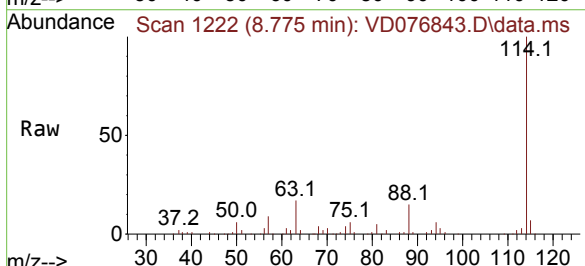
Tgt Ion: 114 Resp: 216081

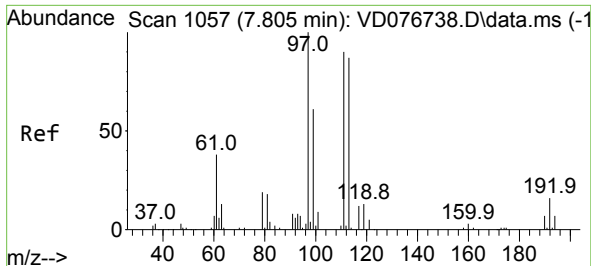
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

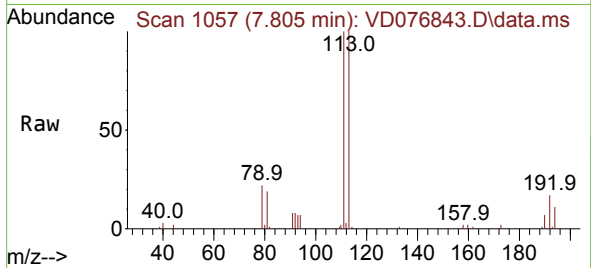
88 15.1 0.0 26.2



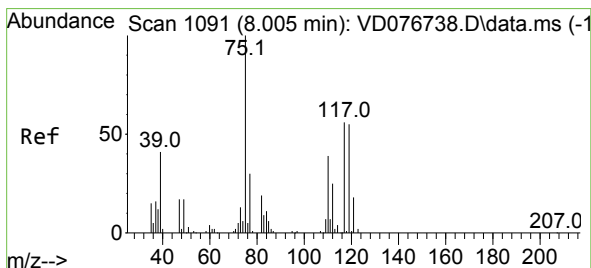
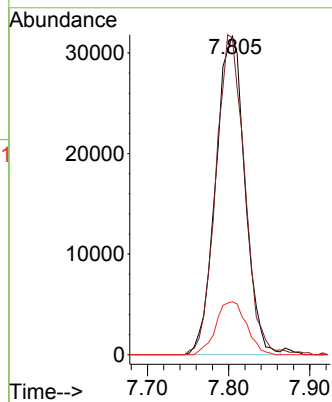
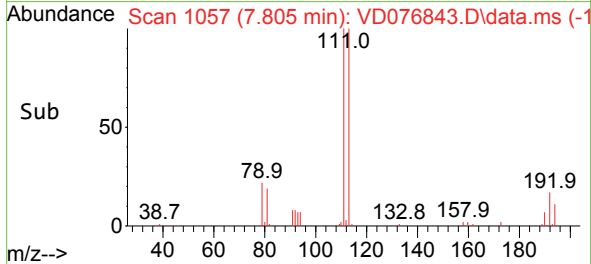


#35
 Dibromofluoromethane
 Concen: 58.292 ug/l
 RT: 7.805 min Scan# 1057
 Delta R.T. -0.000 min
 Lab File: VD076843.D
 Acq: 27 Jul 2023 19:33

Instrument :
 MSVOA_D
 ClientSampleId :

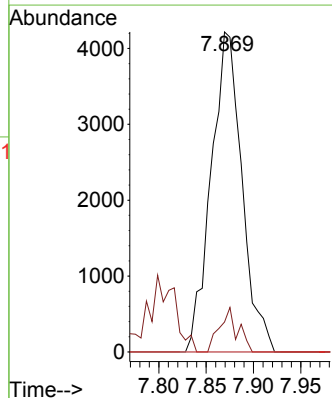
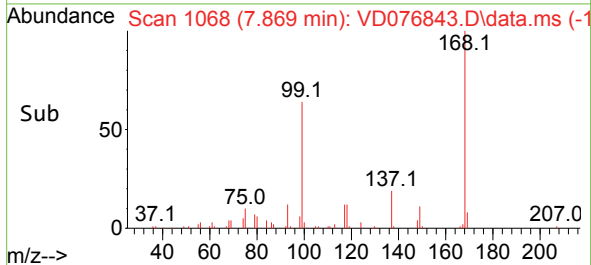
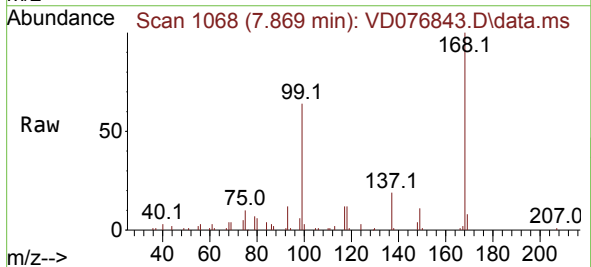


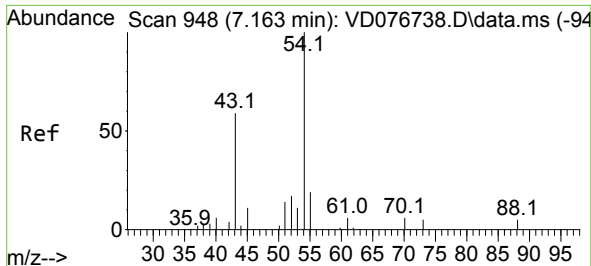
Tgt Ion:	113	Resp:	79153
Ion Ratio	Lower	Upper	
113	100		
111	99.5	84.7	127.1
192	17.4	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 5.389 ug/l
 RT: 7.869 min Scan# 1068
 Delta R.T. -0.136 min
 Lab File: VD076843.D
 Acq: 27 Jul 2023 19:33

Tgt Ion:	75	Resp:	9562
Ion Ratio	Lower	Upper	
75	100		
110	8.1	19.9	59.6#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 9.341 ug/l

RT: 7.093 min Scan# 91

Delta R.T. -0.070 min

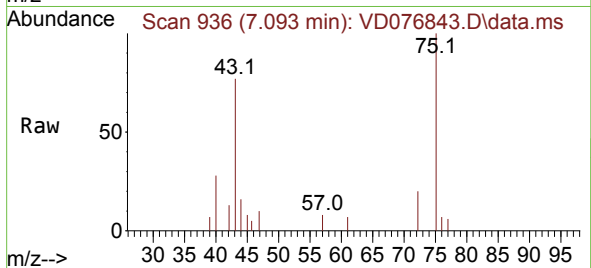
Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

Instrument :

MSVOA_D

ClientSampleId :



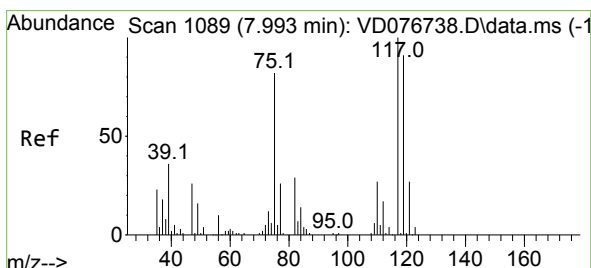
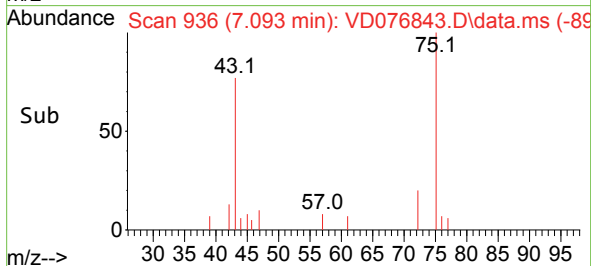
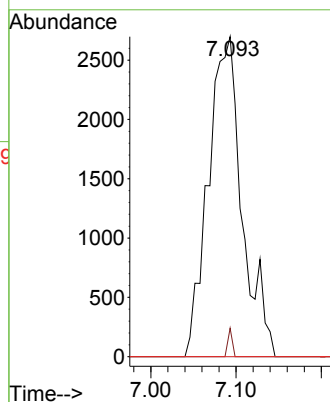
Tgt Ion: 43 Resp: 7412

Ion Ratio Lower Upper

43 100

61 1.1 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 7.042 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

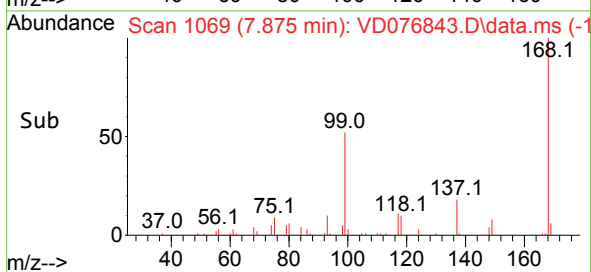
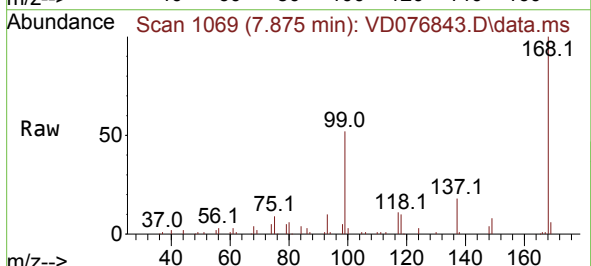
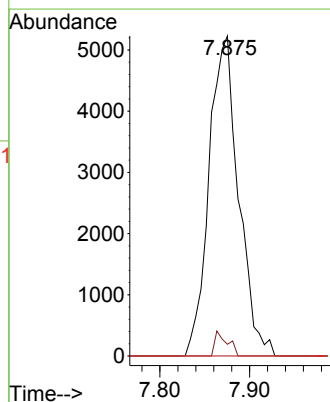
Tgt Ion: 117 Resp: 11965

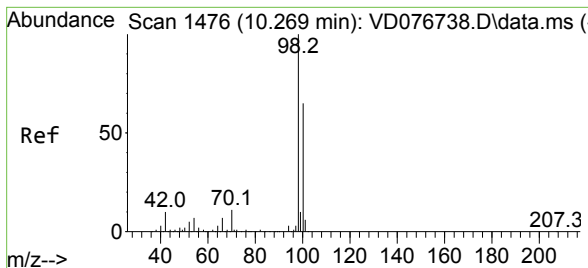
Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

121 0.0 24.2 36.2#

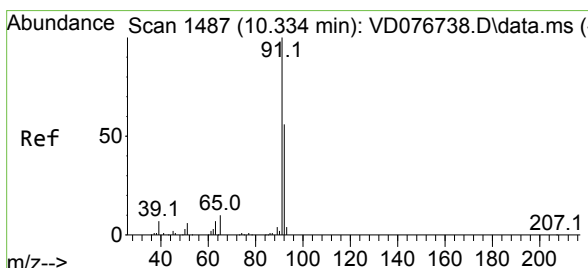
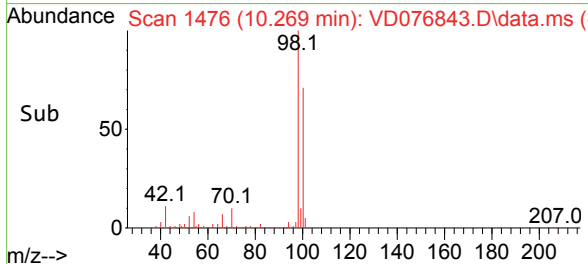
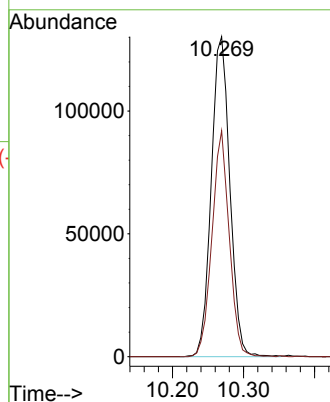
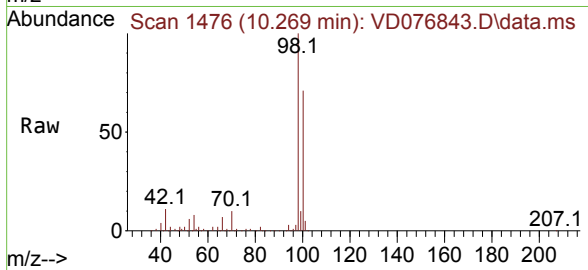




#50
Toluene-d8
Concen: 48.661 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

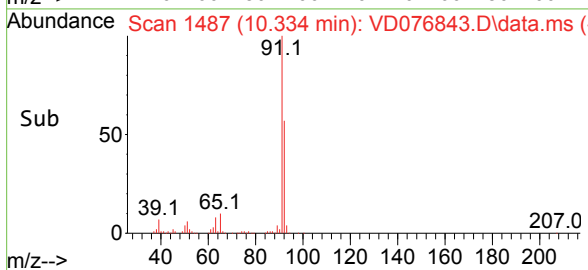
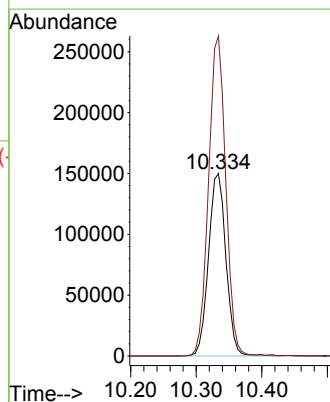
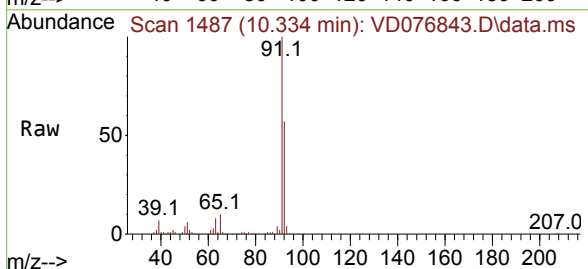
Instrument :
MSVOA_D
ClientSampleId :

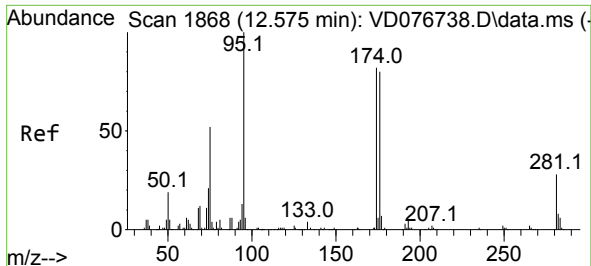
Tgt Ion: 98 Resp: 236377
Ion Ratio Lower Upper
98 100
100 65.6 50.3 75.5



#52
Toluene
Concen: 75.238 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion: 92 Resp: 276653
Ion Ratio Lower Upper
92 100
91 173.4 143.0 214.4

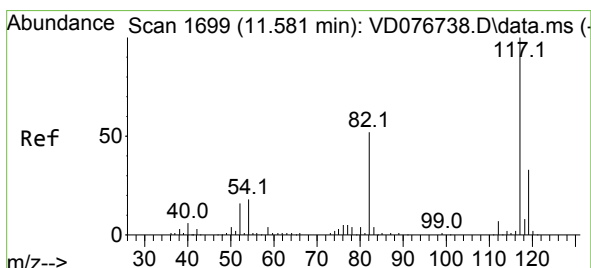
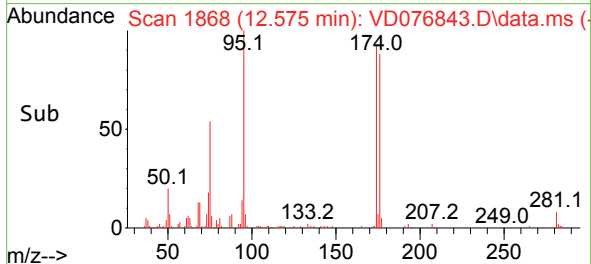
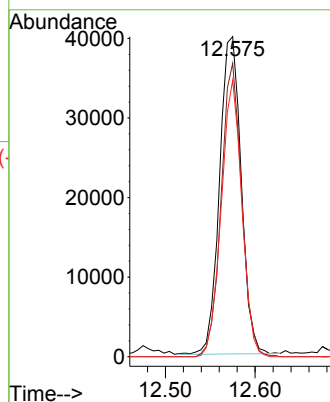
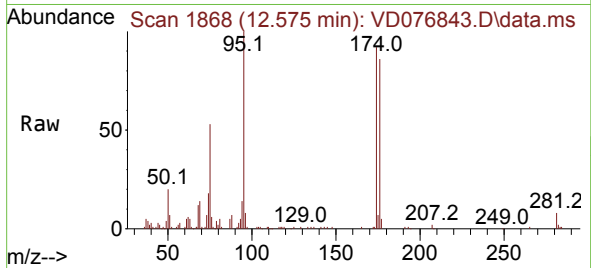




#62
4-Bromofluorobenzene
Concen: 42.394 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

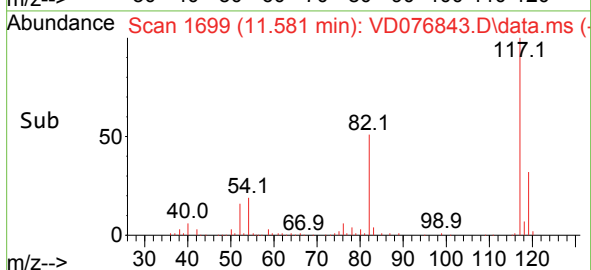
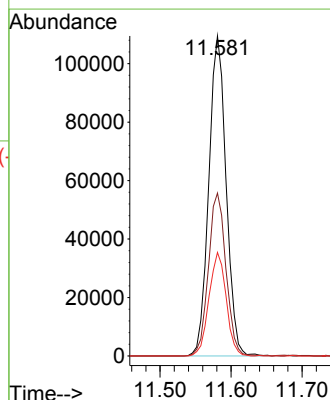
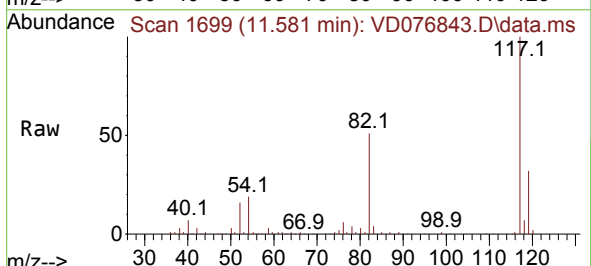
Instrument :
MSVOA_D
ClientSampleId :

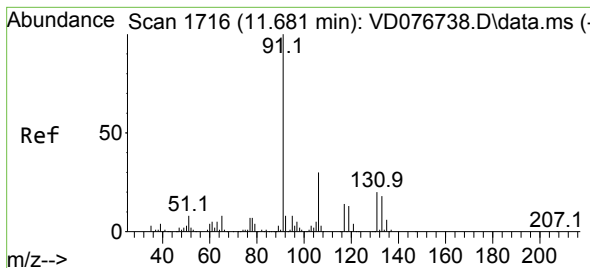
Tgt Ion: 95 Resp: 66620
Ion Ratio Lower Upper
95 100
174 88.0 0.0 201.8
176 83.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion: 117 Resp: 185907
Ion Ratio Lower Upper
117 100
82 50.9 38.3 57.5
119 32.4 25.0 37.4





#67

Ethyl Benzene

Concen: 2.733 ug/l

RT: 11.687 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

Instrument :

MSVOA_D

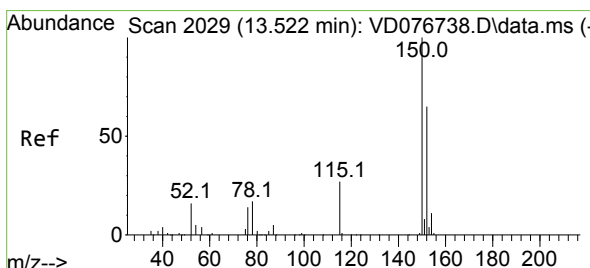
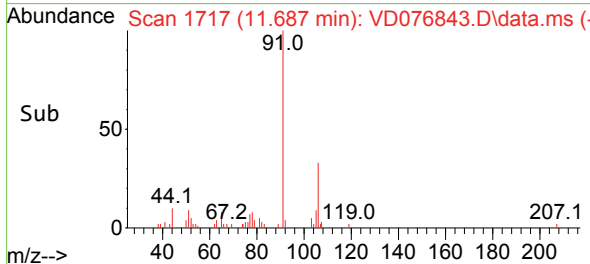
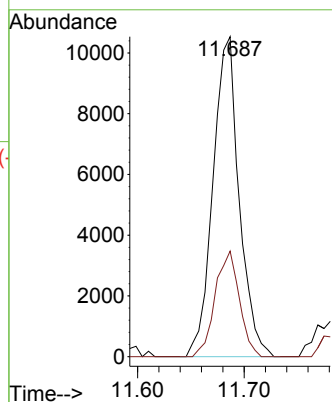
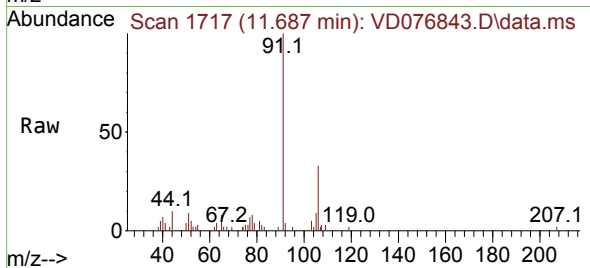
ClientSampleId :

Tgt Ion: 91 Resp: 17948

Ion Ratio Lower Upper

91 100

106 33.0 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076843.D

Acq: 27 Jul 2023 19:33

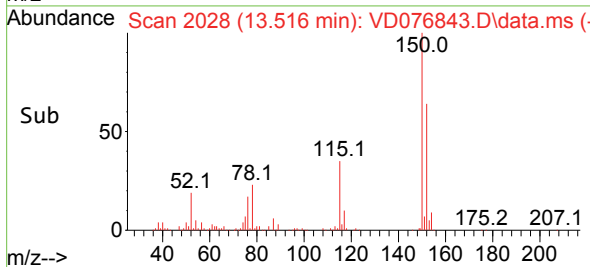
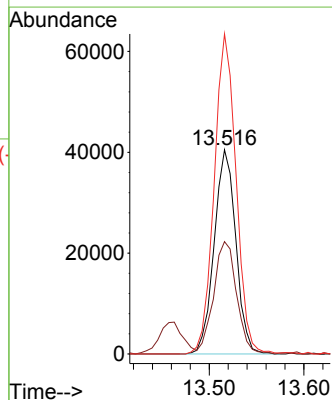
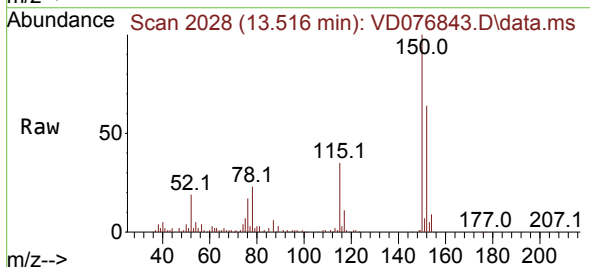
Tgt Ion: 152 Resp: 64340

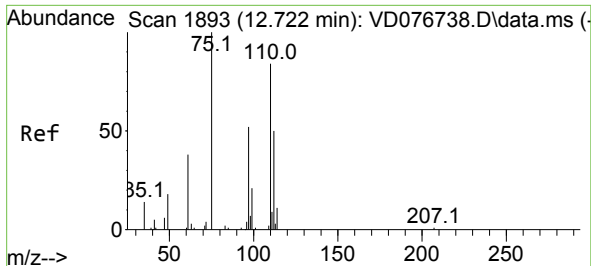
Ion Ratio Lower Upper

152 100

115 58.4 27.1 81.3

150 158.0 0.0 353.6

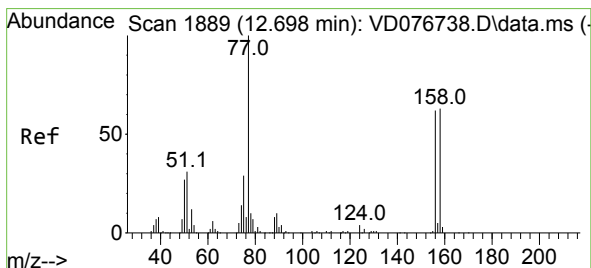
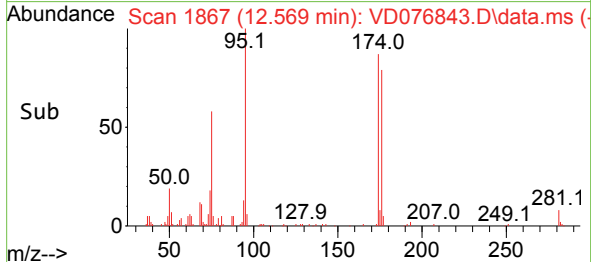
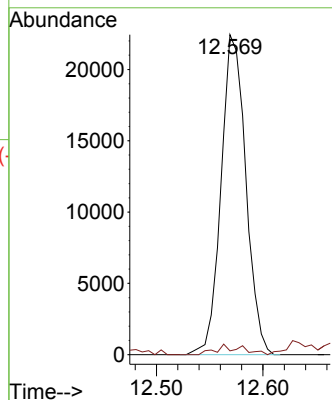
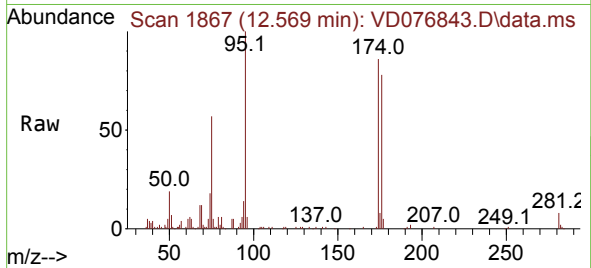




#76
1,2,3-Trichloropropane
Concen: 59.116 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

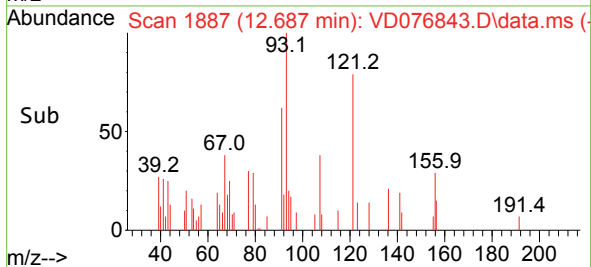
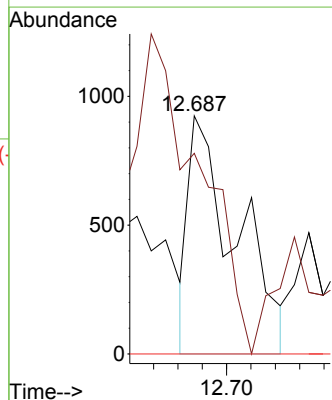
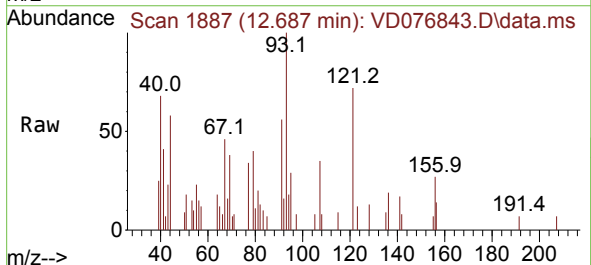
Instrument :
MSVOA_D
ClientSampleId :

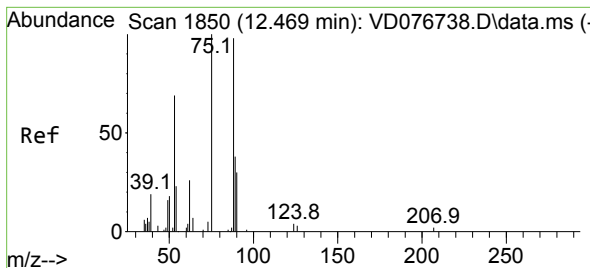
Tgt Ion: 75 Resp: 36171
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#77
Bromobenzene
Concen: 1.165 ug/l
RT: 12.687 min Scan# 1887
Delta R.T. -0.011 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion:156 Resp: 1255
Ion Ratio Lower Upper
156 100
77 0.0 76.8 230.4#
158 0.0 48.6 145.9#

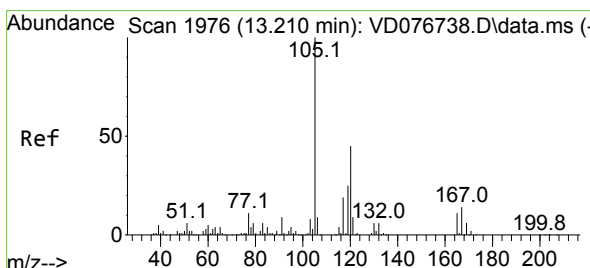
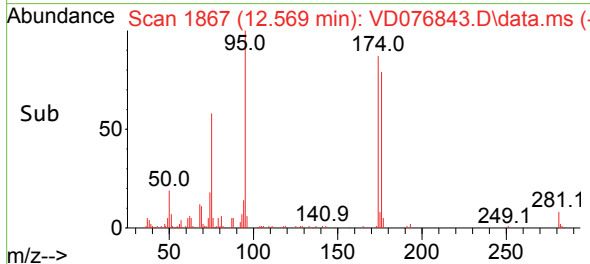
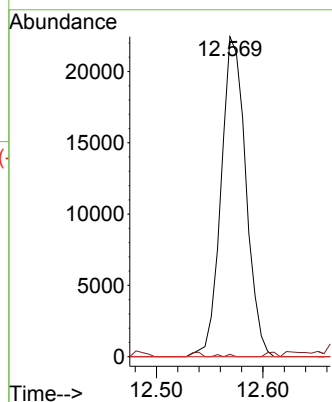
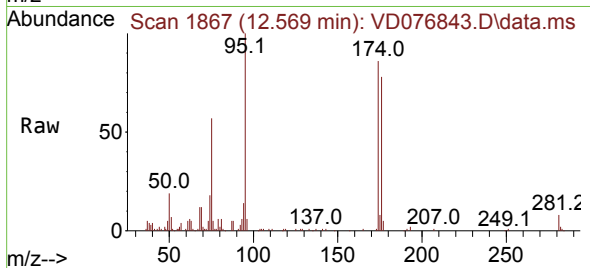




#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.814 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076843.D
 Acq: 27 Jul 2023 19:33

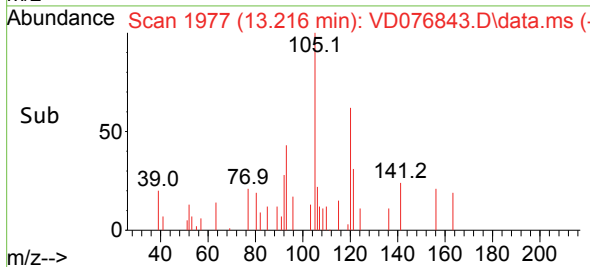
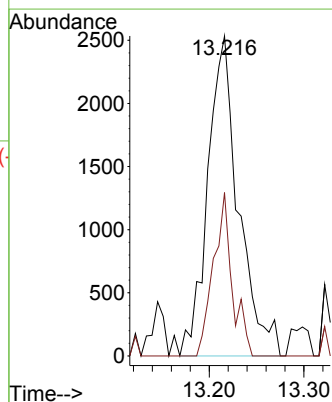
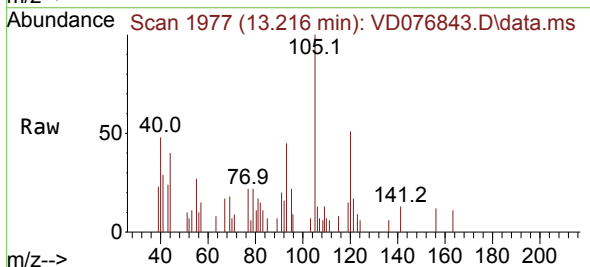
Instrument :
 MSVOA_D
 ClientSampleId :

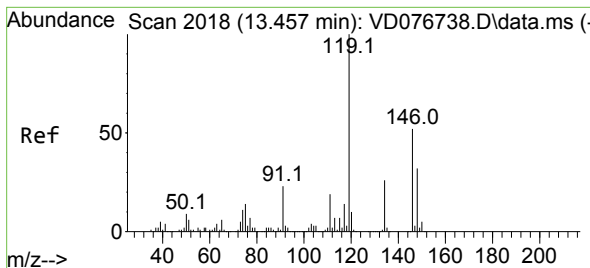
Tgt Ion: 75 Resp: 36171
 Ion Ratio Lower Upper
 75 100
 53 0.3 63.0 94.4#
 89 0.0 37.9 56.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.485 ug/l
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VD076843.D
 Acq: 27 Jul 2023 19:33

Tgt Ion:105 Resp: 5726
 Ion Ratio Lower Upper
 105 100
 120 31.2 24.3 72.9

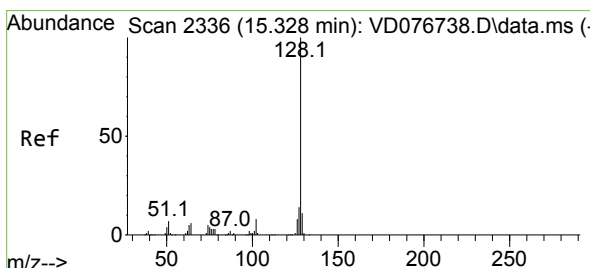
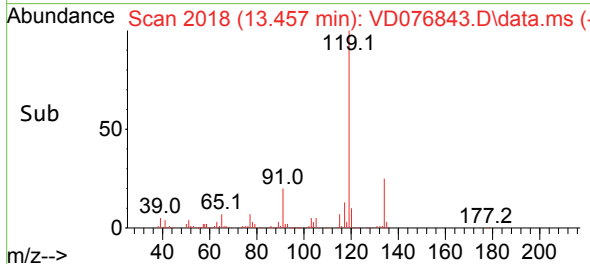
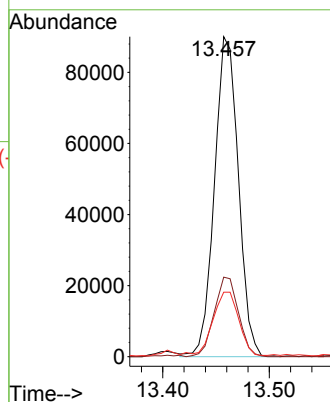
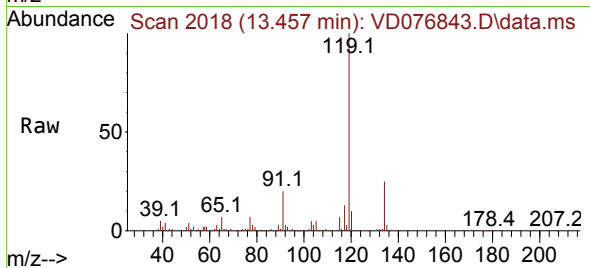




#86
p-Isopropyltoluene
Concen: 33.452 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 140276
Ion Ratio Lower Upper
119 100
134 25.2 14.2 42.6
91 21.4 10.5 31.5



#95
Naphthalene
Concen: 3.529 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VD076843.D
Acq: 27 Jul 2023 19:33

Tgt Ion:128 Resp: 9110
Ion Ratio Lower Upper
128 100
127 15.0 10.5 15.7
129 14.1 8.7 13.1#

