

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081222\
 Data File : VD074069.D
 Acq On : 12 Aug 2022 18:16
 Operator : VA/SY
 Sample : N4152-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-081022

Quant Time: Aug 12 23:48:37 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)

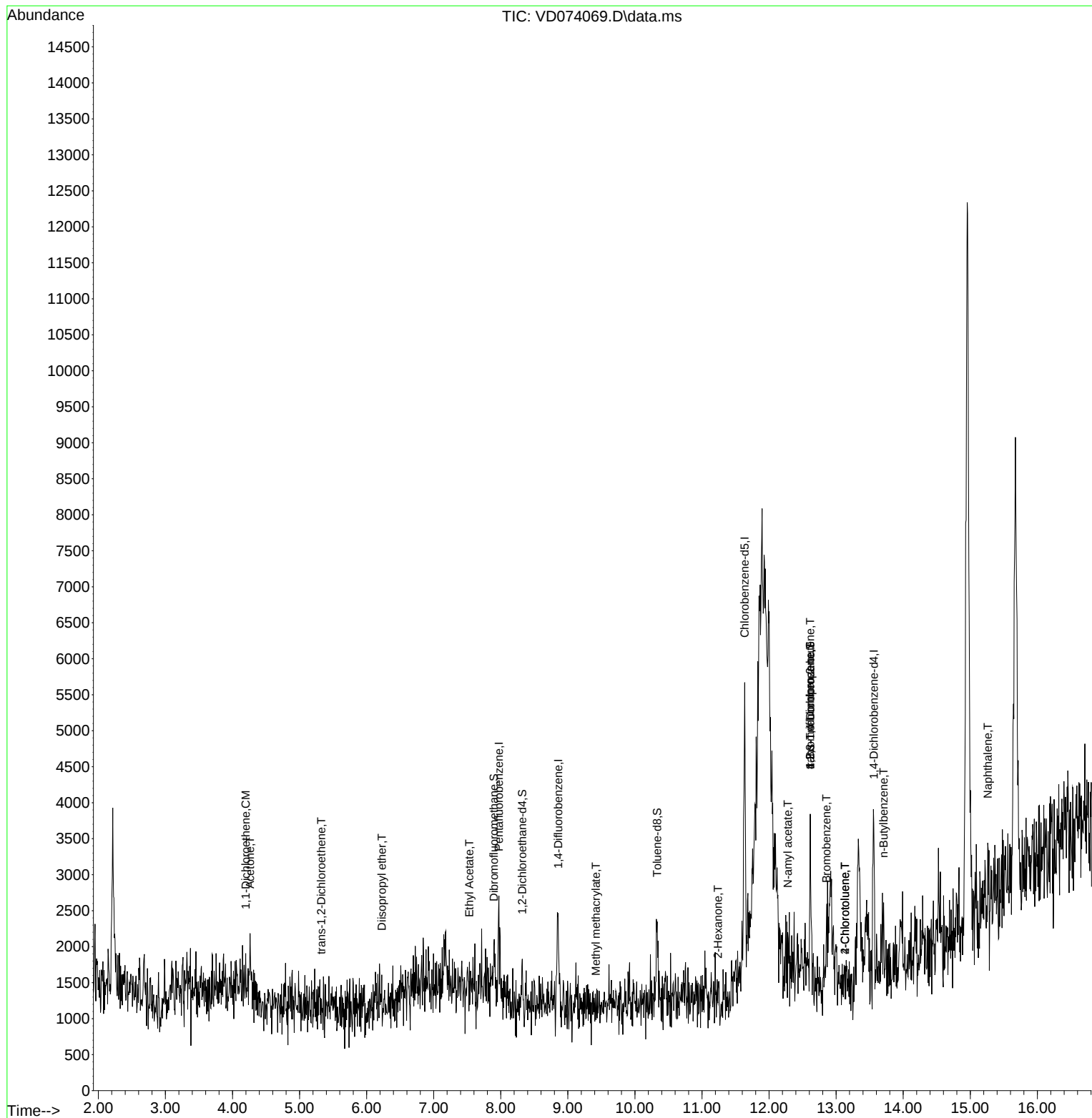
Internal Standards						
1) Pentafluorobenzene	7.973	168	1062	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	1940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	2464	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	670	85.208	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	170.420%#
35) Dibromofluoromethane	7.897	113	206	15.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	31.980%#
50) Toluene-d8	10.332	98	1050	28.741	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	57.480%
62) 4-Bromofluorobenzene	12.614	95	735	46.385	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.760%
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	4.197	96	61	5.744	ug/l	# 1
16) Acetone	4.262	43	56	32.955	ug/l	# 46
21) trans-1,2-Dichloroethene	5.326	96	57	4.470	ug/l	# 2
22) Diisopropyl ether	6.226	45	67	2.282	ug/l	# 34
37) Ethyl Acetate	7.532	43	67	9.601	ug/l	# 67
48) Methyl methacrylate	9.420	41	55	8.642	ug/l	# 6
59) 2-Hexanone	11.238	43	55	11.980	ug/l	# 23
74) N-amyl acetate	12.279	43	60	5.182	ug/l	# 42
76) 1,2,3-Trichloropropane	12.614	75	388	48.735	ug/l	# 100
77) Bromobenzene	12.855	156	291	20.098	ug/l	# 1
79) 2-Chlorotoluene	13.132	91	53	1.254	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	12.614	75	388	130.072	ug/l	# 13
82) 4-Chlorotoluene	13.132	91	53	1.195	ug/l	# 39
89) n-Butylbenzene	13.708	91	61	1.155	ug/l	# 33
95) Naphthalene	15.261	128	54	2.011	ug/l	# 69

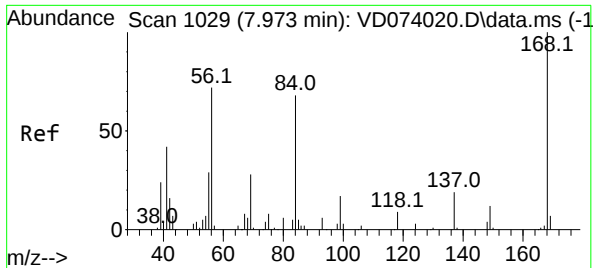
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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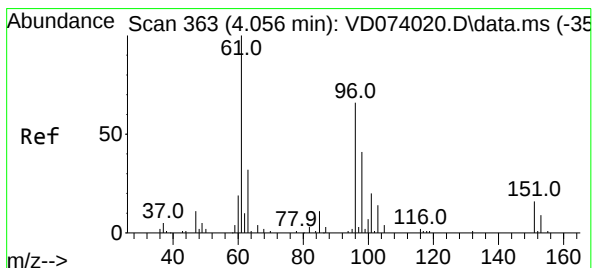
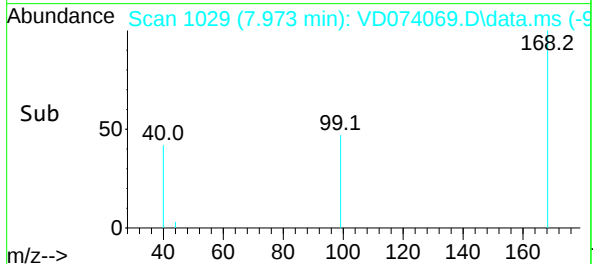
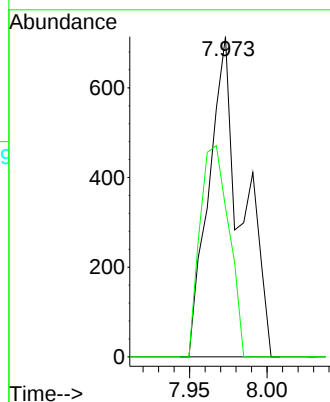
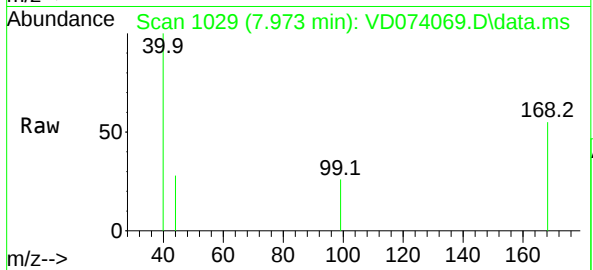




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

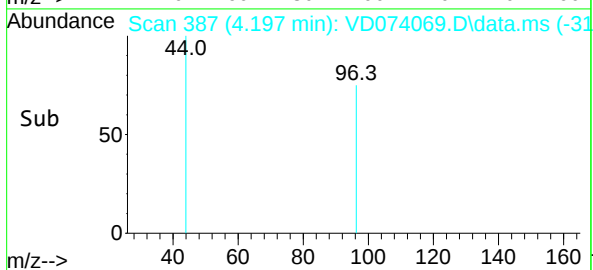
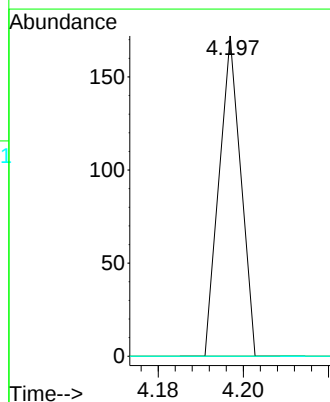
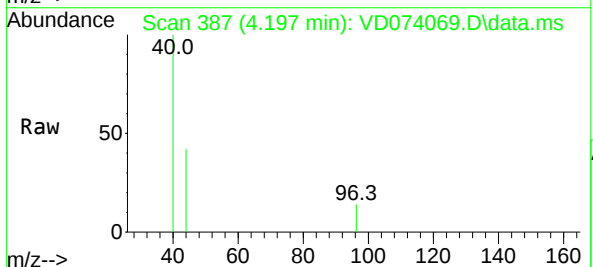
Instrument :
MSVOA_D
ClientSampleId :
EO-02-081022

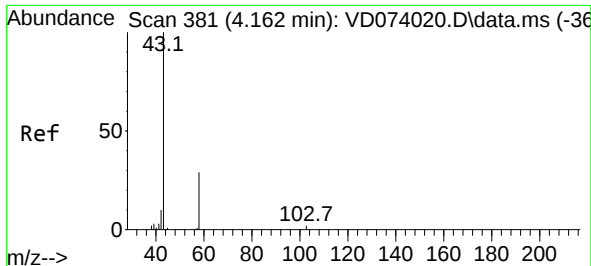
Tgt Ion:168 Resp: 1062
Ion Ratio Lower Upper
168 100
99 46.6 48.3 72.5#



#12
1,1-Dichloroethene
Concen: 5.744 ug/l
RT: 4.197 min Scan# 387
Delta R.T. 0.141 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

Tgt Ion: 96 Resp: 61
Ion Ratio Lower Upper
96 100
61 0.0 121.8 182.6#
98 0.0 47.1 70.7#

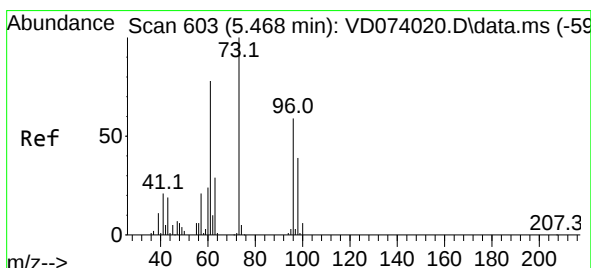
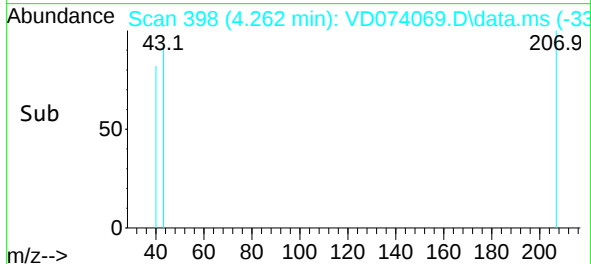
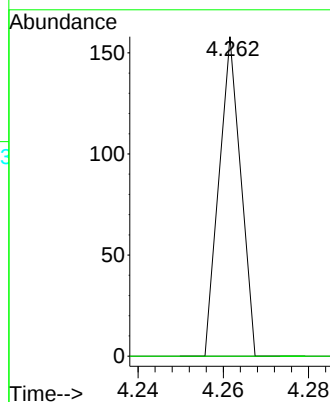
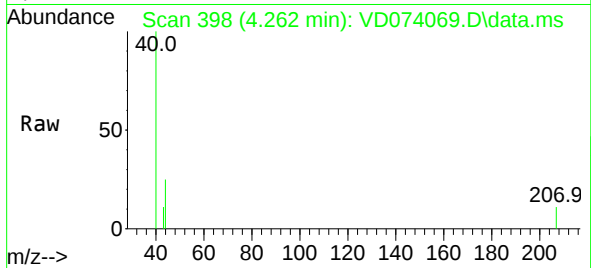




#16
Acetone
Concen: 32.955 ug/l
RT: 4.262 min Scan# 398
Delta R.T. 0.100 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

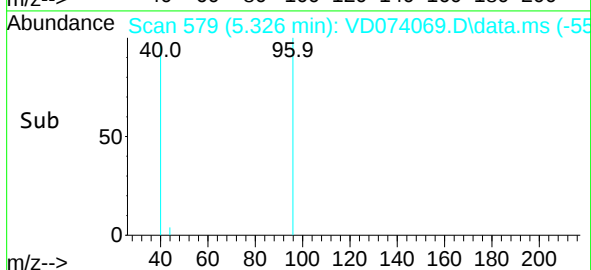
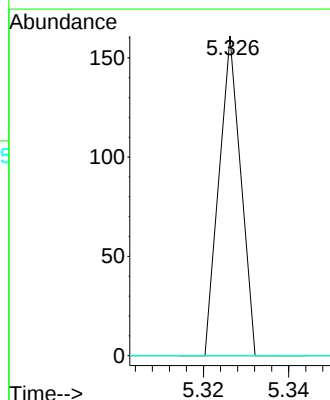
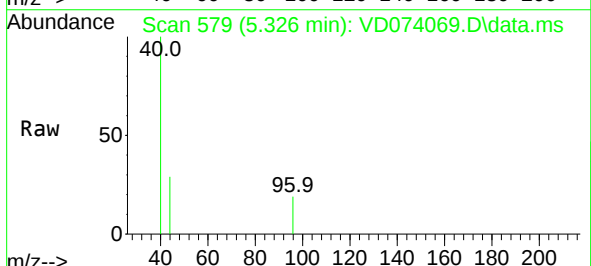
Instrument :
MSVOA_D
ClientSampleId :
EO-02-081022

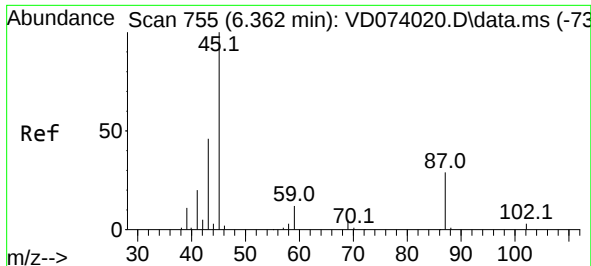
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 22.8 34.2#



#21
trans-1,2-Dichloroethene
Concen: 4.470 ug/l
RT: 5.326 min Scan# 579
Delta R.T. -0.142 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

Tgt Ion: 96 Resp: 57
Ion Ratio Lower Upper
96 100
61 0.0 94.2 141.4#
98 0.0 47.2 70.8#

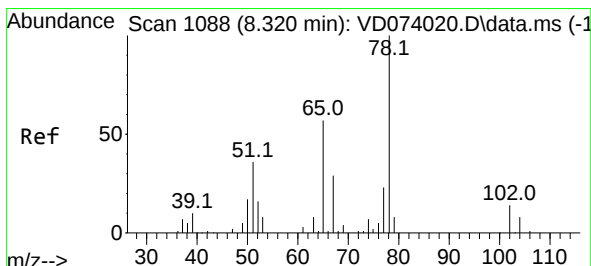
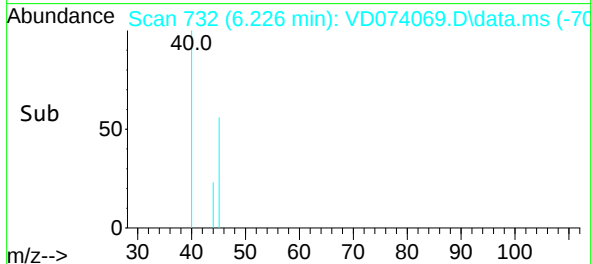
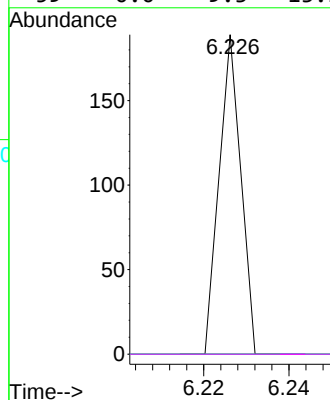
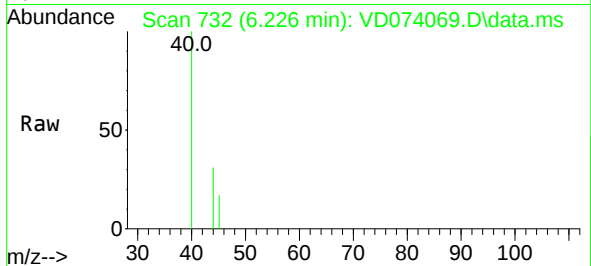




#22
Diisopropyl ether
Concen: 2.282 ug/l
RT: 6.226 min Scan# 71
Delta R.T. -0.136 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

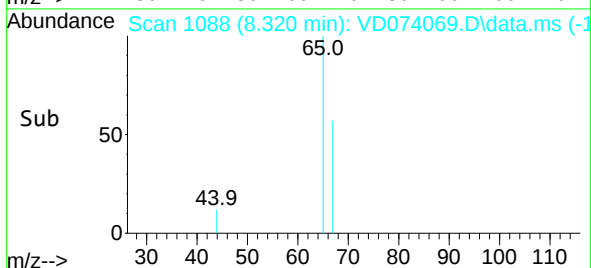
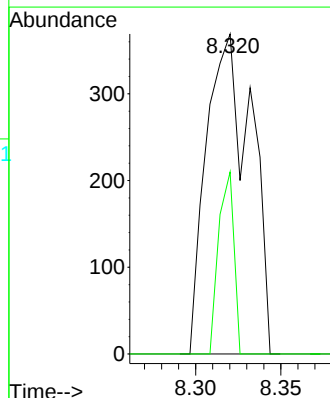
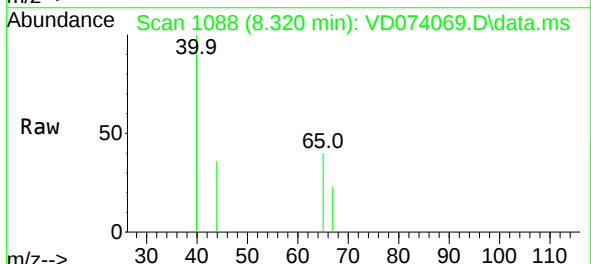
Instrument :
MSVOA_D
ClientSampleId :
EO-02-081022

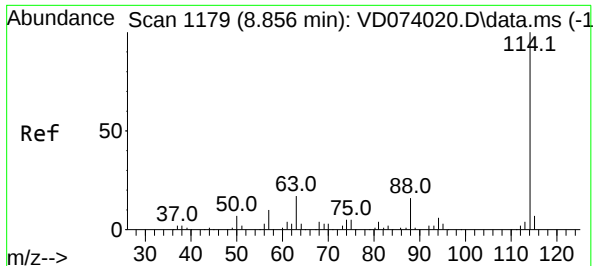
Tgt Ion:	45	Resp:	67
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.2	69.4#
87	0.0	25.1	37.7#
59	0.0	9.3	13.9#



#33
1,2-Dichloroethane-d4
Concen: 85.208 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

Tgt Ion:	65	Resp:	670
Ion	Ratio	Lower	Upper
65	100		
67	19.6	0.0	113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD074069.D

Acq: 12 Aug 2022 18:16

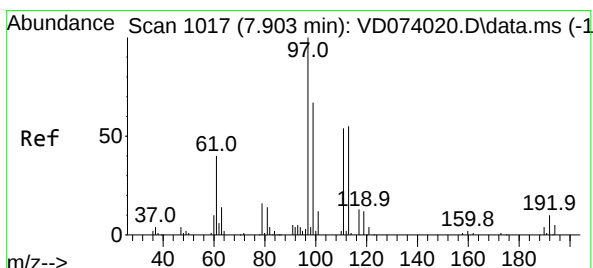
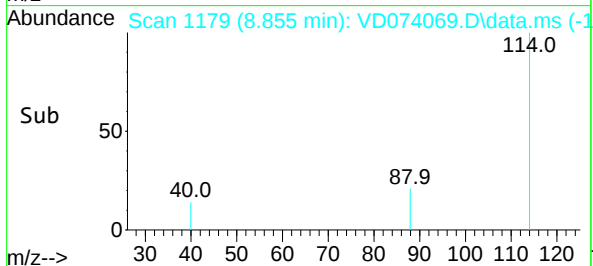
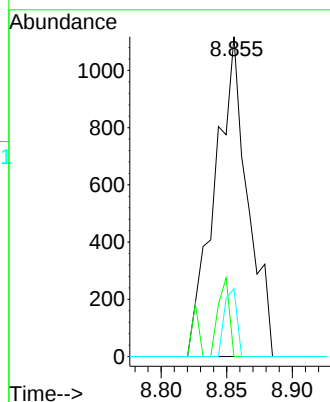
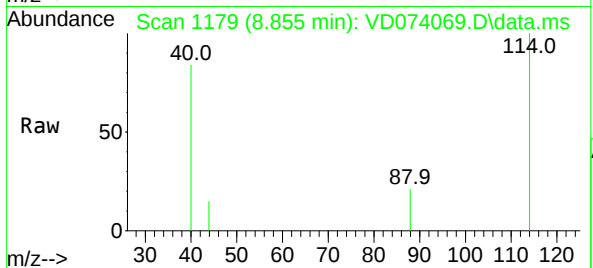
Instrument :

MSVOA_D

ClientSampleId :

EO-02-081022

Tgt Ion:114	Resp:	1940
Ion Ratio	Lower	Upper
114	100	
63	0.0	41.0
88	21.2	31.6



#35

Dibromofluoromethane

Concen: 15.987 ug/l

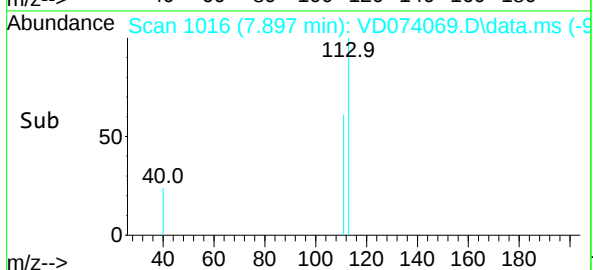
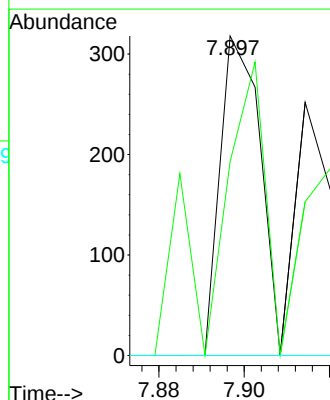
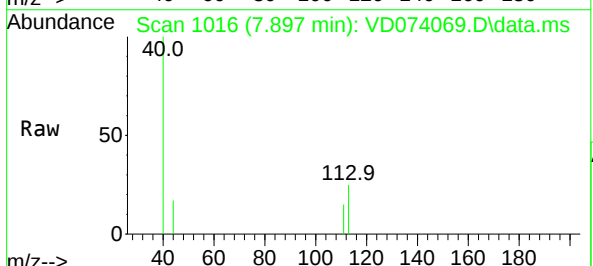
RT: 7.897 min Scan# 1016

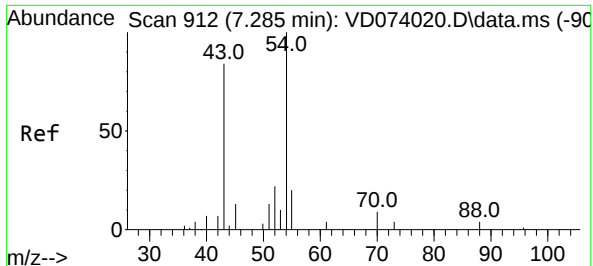
Delta R.T. -0.006 min

Lab File: VD074069.D

Acq: 12 Aug 2022 18:16

Tgt Ion:113	Resp:	206
Ion Ratio	Lower	Upper
113	100	
111	114.1	120.0
192	0.0	21.4





#37

Ethyl Acetate

Concen: 9.601 ug/l

RT: 7.532 min Scan# 91

Delta R.T. 0.247 min

Lab File: VD074069.D

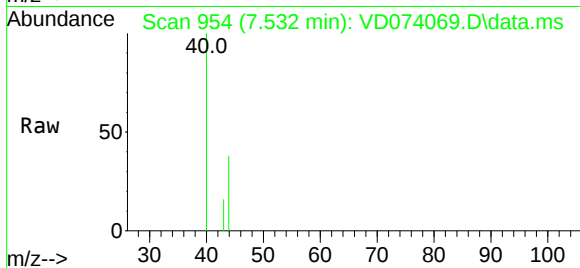
Acq: 12 Aug 2022 18:16

Instrument :

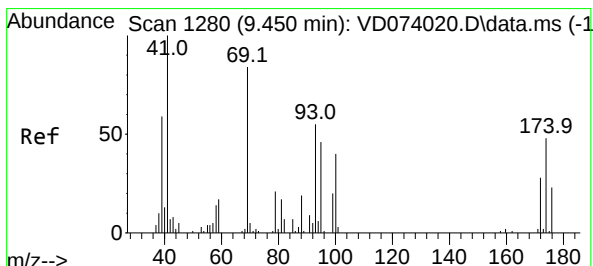
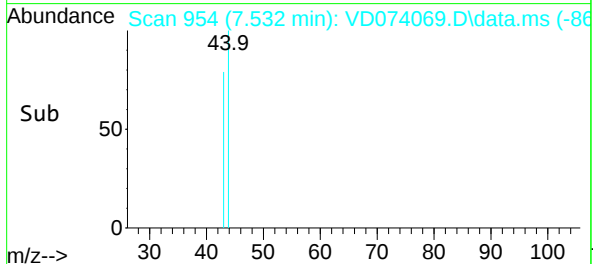
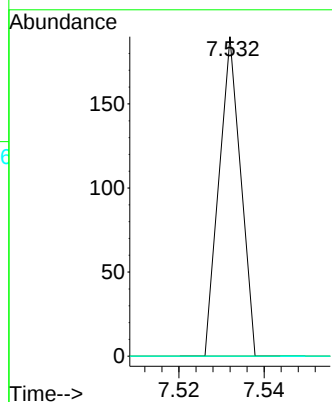
MSVOA_D

ClientSampleId :

EO-02-081022



Tgt Ion: 43	Resp: 67
Ion Ratio	Lower Upper
43	100
61	0.0 11.0 16.6#
70	0.0 10.2 15.2#



#48

Methyl methacrylate

Concen: 8.642 ug/l

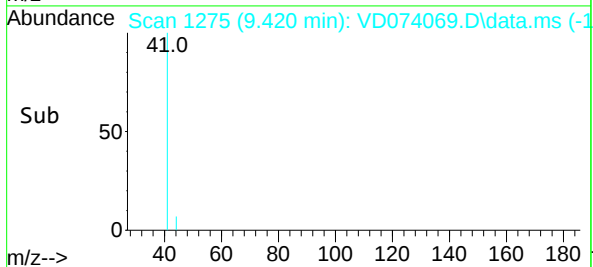
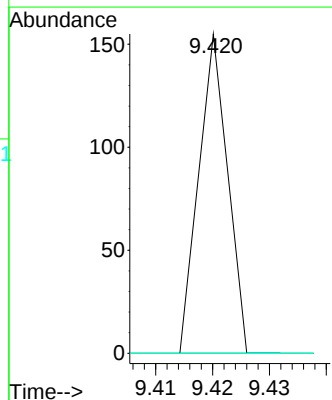
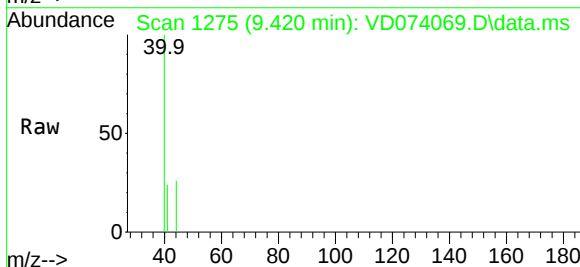
RT: 9.420 min Scan# 1275

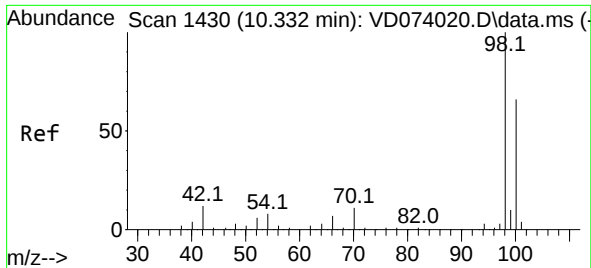
Delta R.T. -0.030 min

Lab File: VD074069.D

Acq: 12 Aug 2022 18:16

Tgt Ion: 41	Resp: 55
Ion Ratio	Lower Upper
41	100
69	0.0 77.0 115.4#
39	0.0 59.0 88.6#

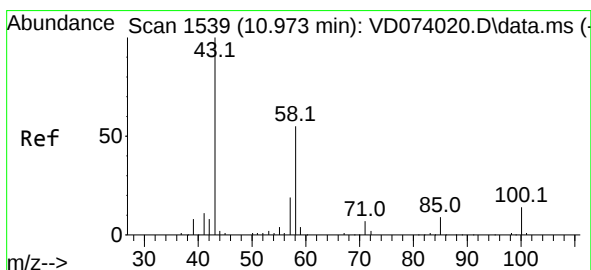
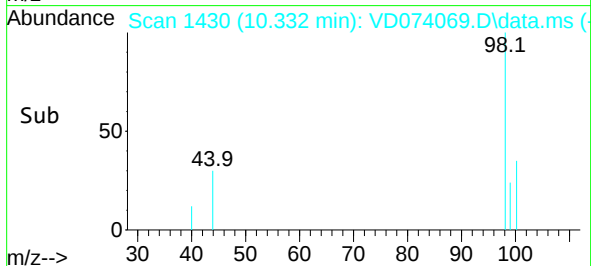
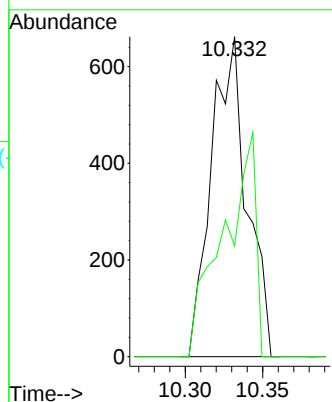
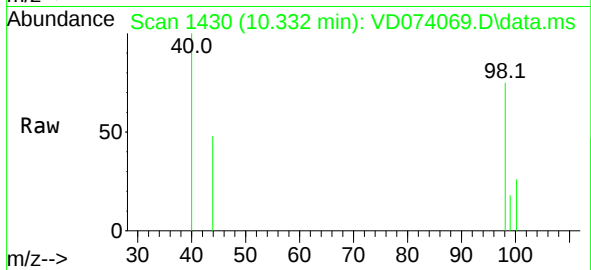




#50
Toluene-d8
Concen: 28.741 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

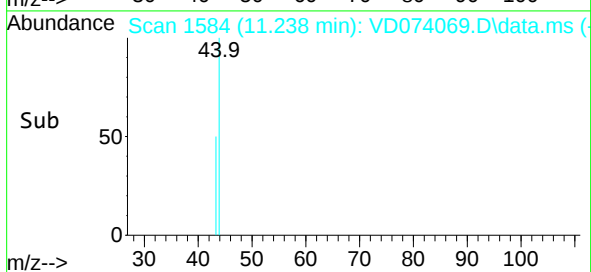
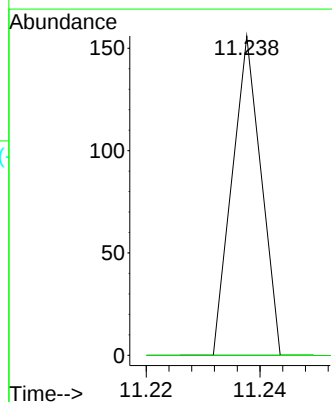
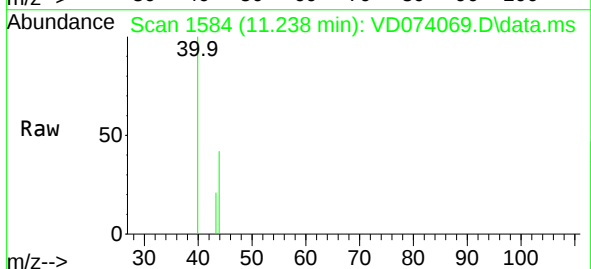
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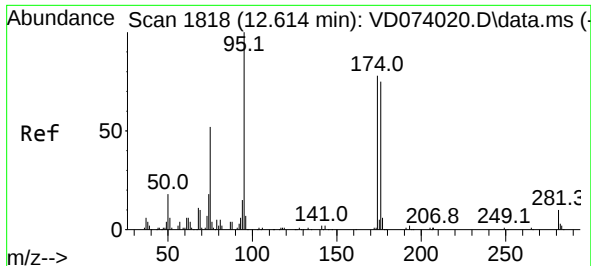
Tgt Ion: 98 Resp: 1050
Ion Ratio Lower Upper
98 100
100 63.7 51.3 76.9



#59
2-Hexanone
Concen: 11.980 ug/l
RT: 11.238 min Scan# 1584
Delta R.T. 0.265 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 28.2 84.6#

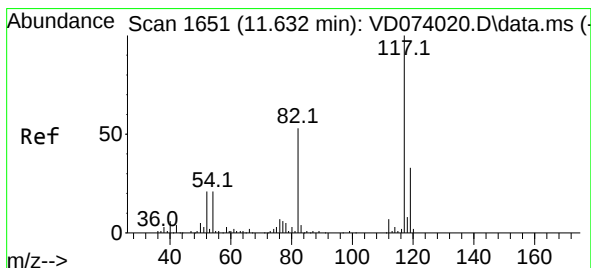
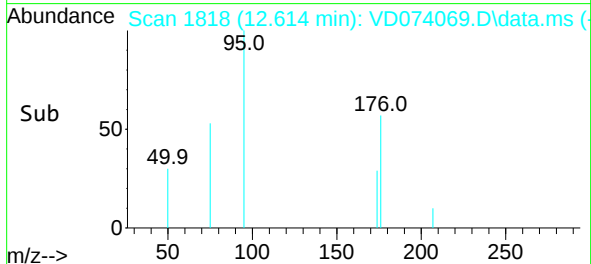
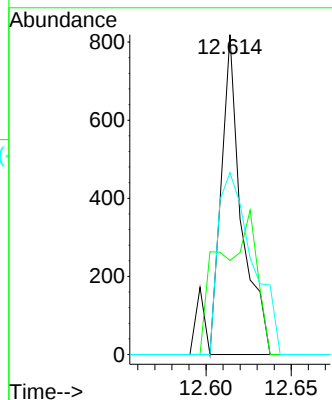
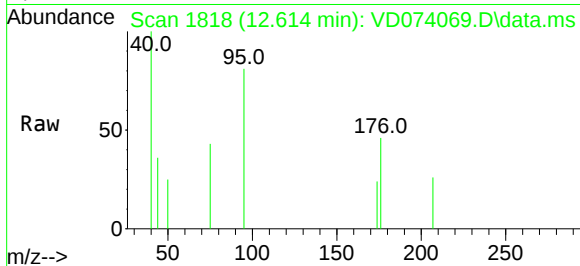




#62
4-Bromofluorobenzene
Concen: 46.385 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

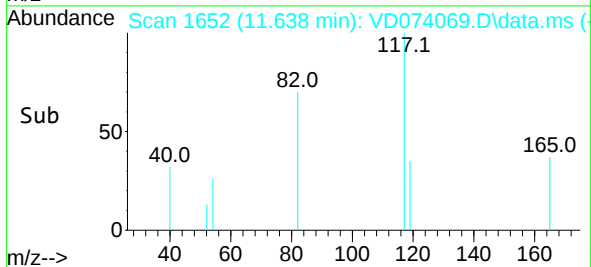
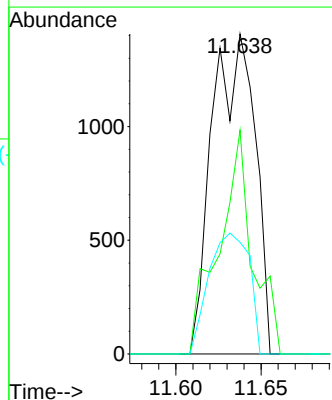
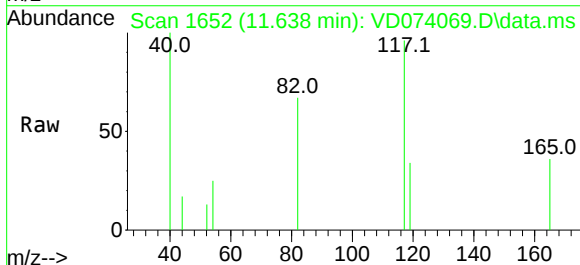
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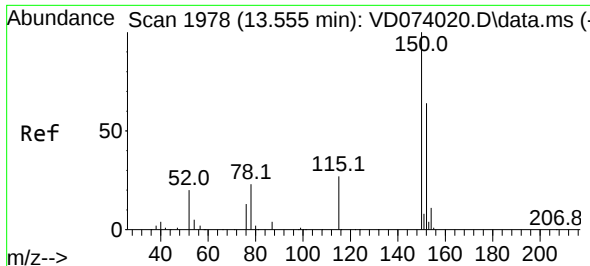
Tgt Ion:	95	Resp:	735
Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	162.6
176	89.0	0.0	160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

Tgt Ion:	117	Resp:	2464
Ion	Ratio	Lower	Upper
117	100		
82	69.9	42.7	64.1
119	34.9	25.8	38.8

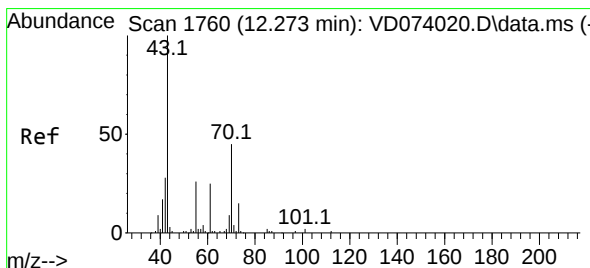
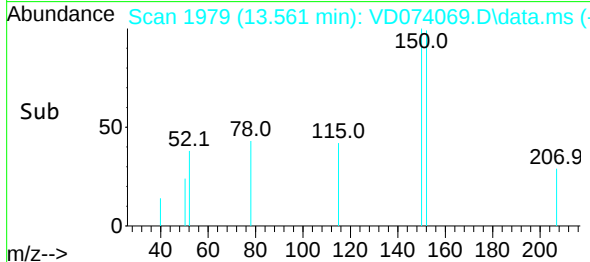
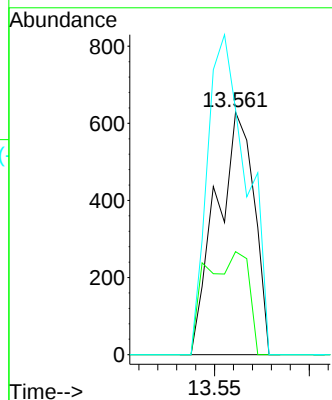
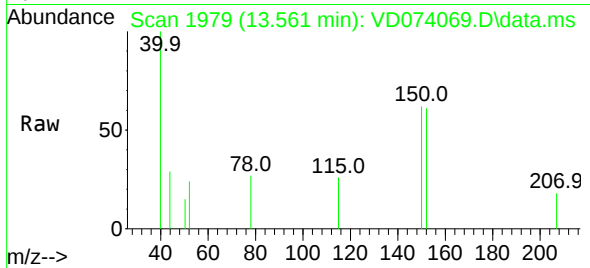




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.006 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

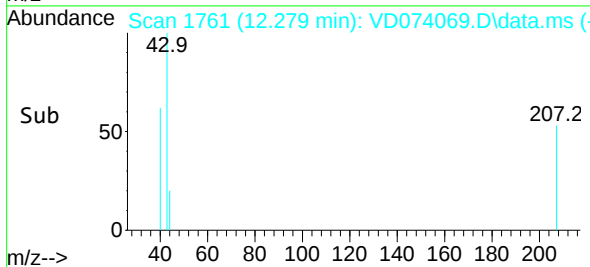
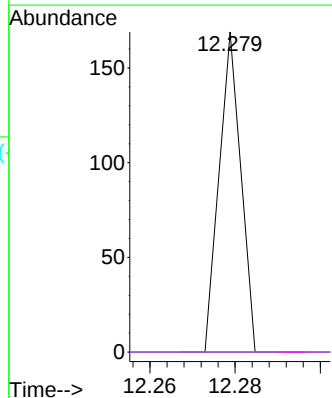
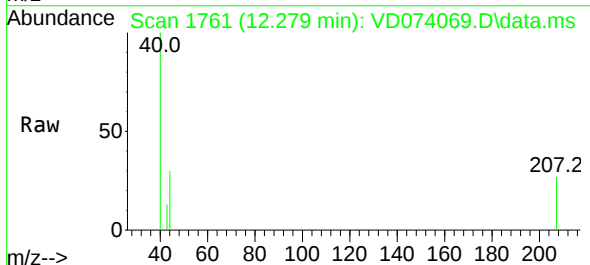
Instrument :
MSVOA_D
ClientSampleId :
EO-02-081022

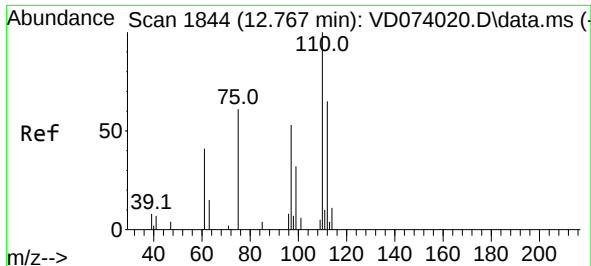
Tgt Ion:152 Resp: 872
Ion Ratio Lower Upper
152 100
115 47.5 29.9 89.8
150 136.9 0.0 342.8



#74
N-ethyl acetate
Concen: 5.182 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. 0.006 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
70 0.0 35.9 53.9#
55 0.0 19.4 29.2#
61 0.0 19.3 28.9#

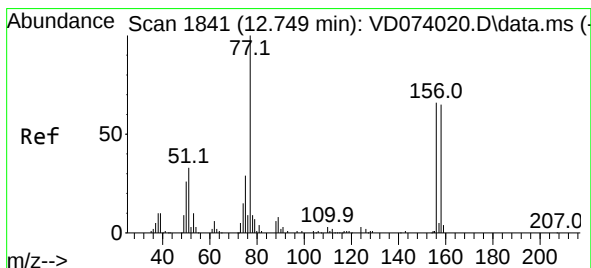
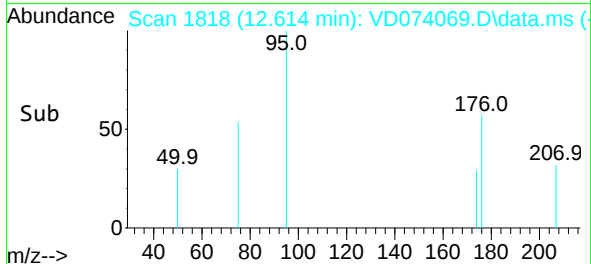
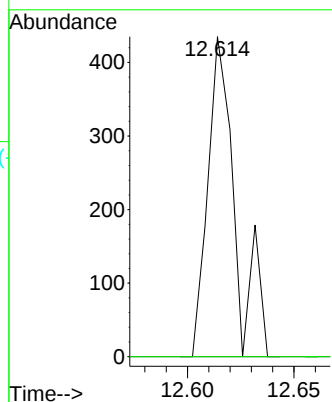
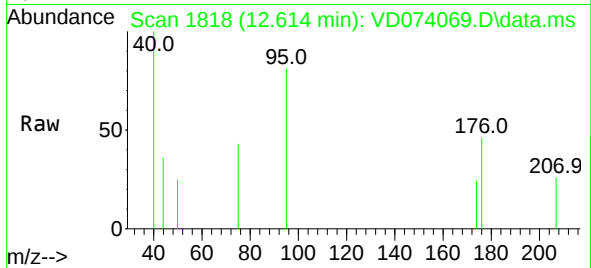




#76
1,2,3-Trichloropropane
Concen: 48.735 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

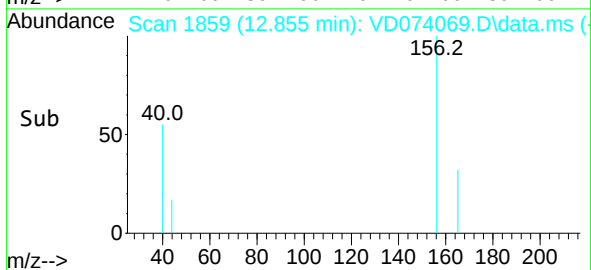
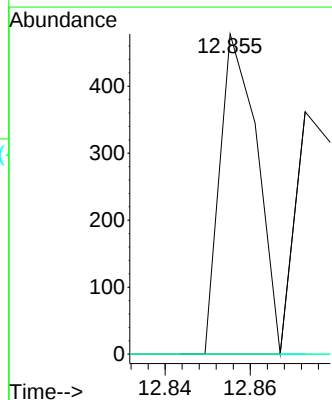
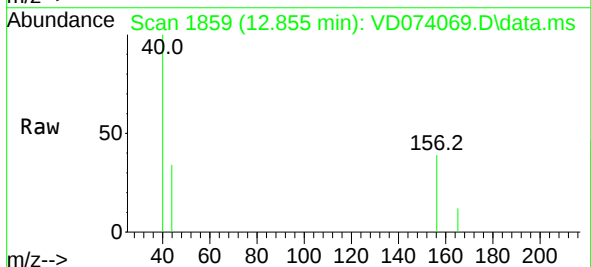
Instrument :
MSVOA_D
ClientSampleId :
EO-02-081022

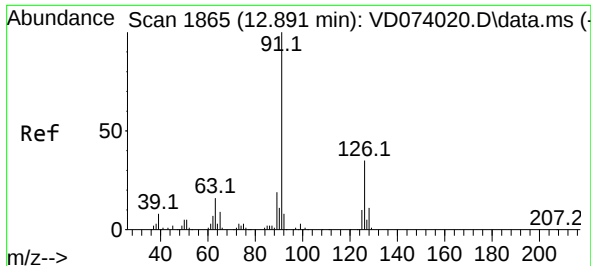
Tgt Ion: 75 Resp: 388
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 20.098 ug/l
RT: 12.855 min Scan# 1859
Delta R.T. 0.106 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

Tgt Ion: 156 Resp: 291
Ion Ratio Lower Upper
156 100
77 0.0 87.5 262.4#
158 0.0 49.6 149.0#

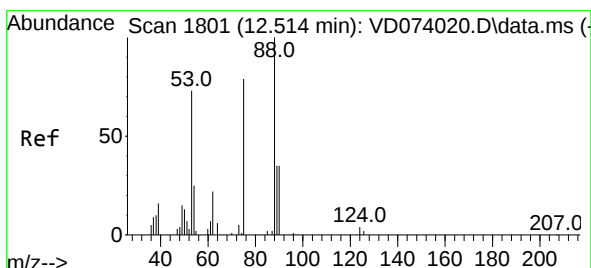
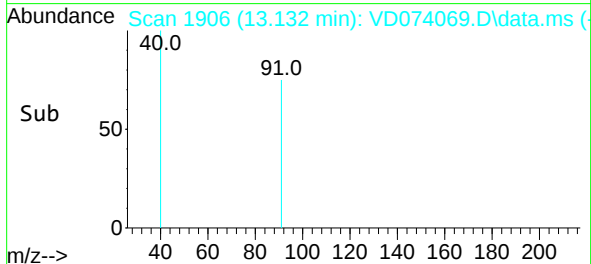
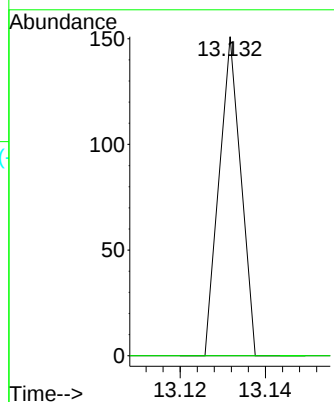
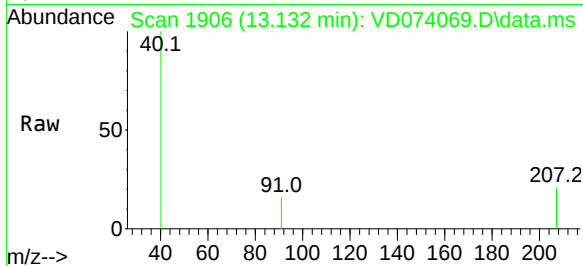




#79
2-Chlorotoluene
Concen: 1.254 ug/l
RT: 13.132 min Scan# 1906
Delta R.T. 0.241 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

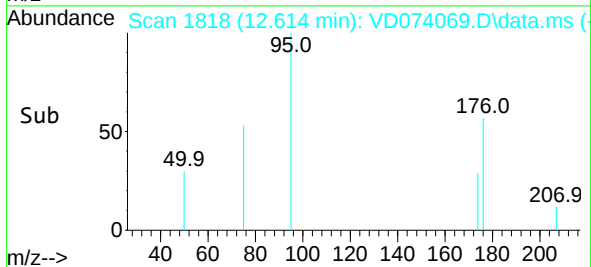
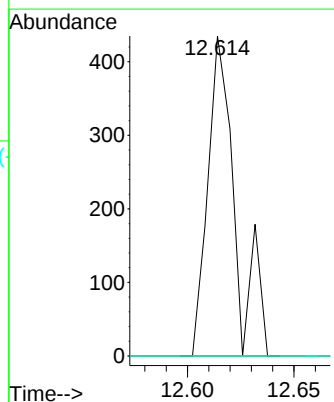
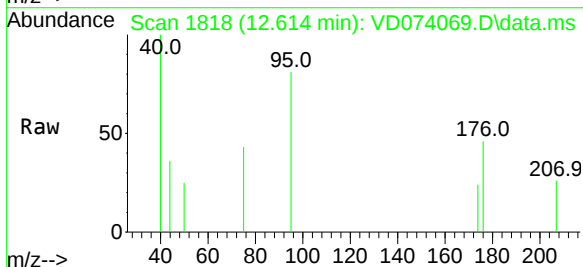
Instrument :
MSVOA_D
ClientSampleId :
EO-02-081022

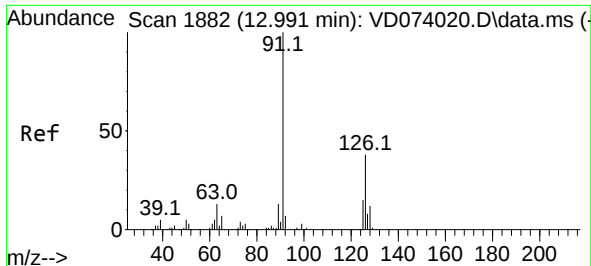
Tgt Ion: 91 Resp: 53
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.072 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

Tgt Ion: 75 Resp: 388
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 38.3 57.5#

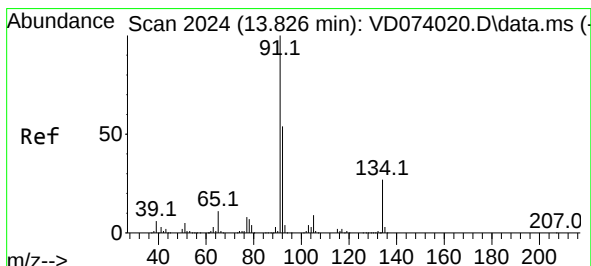
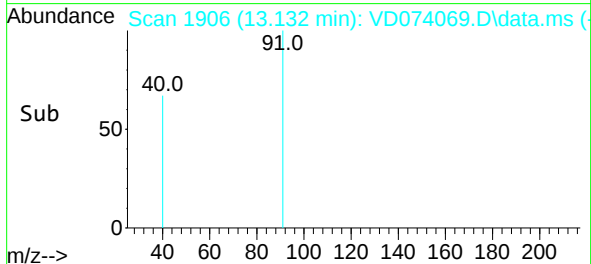
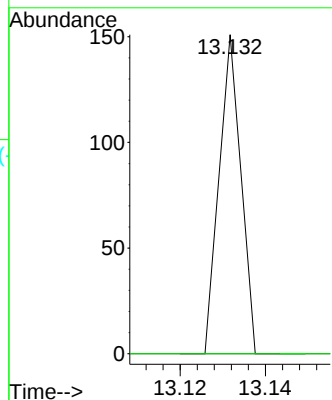
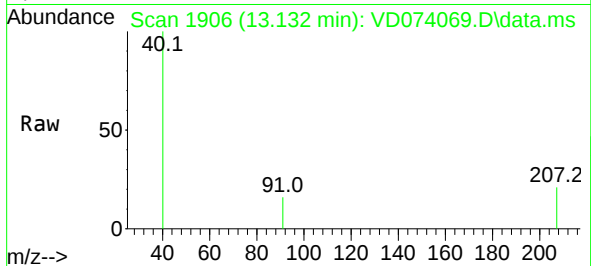




#82
4-Chlorotoluene
Concen: 1.195 ug/l
RT: 13.132 min Scan# 1906
Delta R.T. 0.141 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

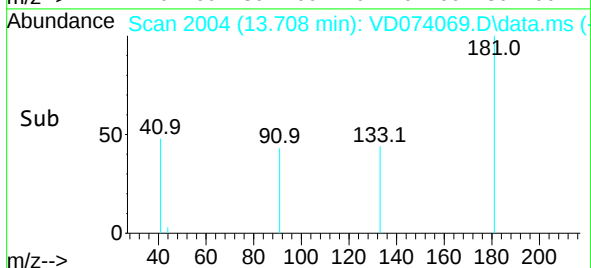
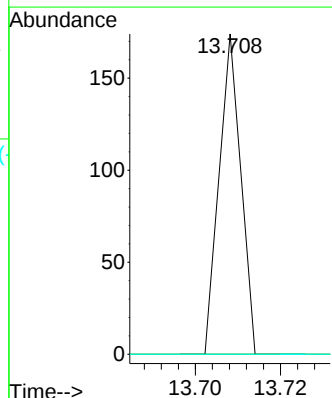
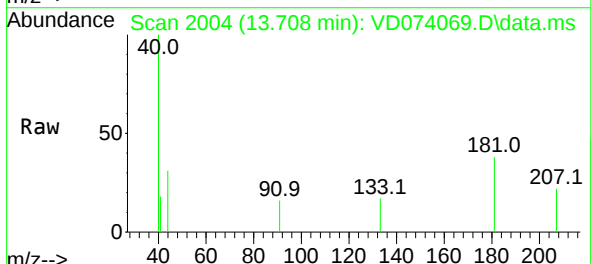
Instrument :
MSVOA_D
ClientSampleId :
EO-02-081022

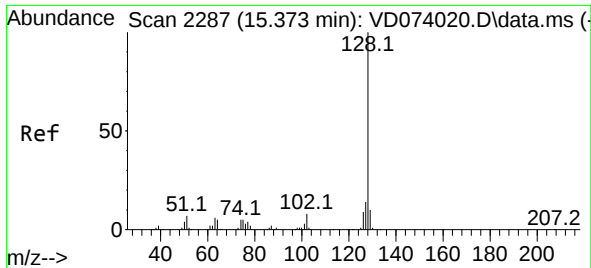
Tgt Ion: 91 Resp: 53
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.3#



#89
n-Butylbenzene
Concen: 1.155 ug/l
RT: 13.708 min Scan# 2004
Delta R.T. -0.118 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

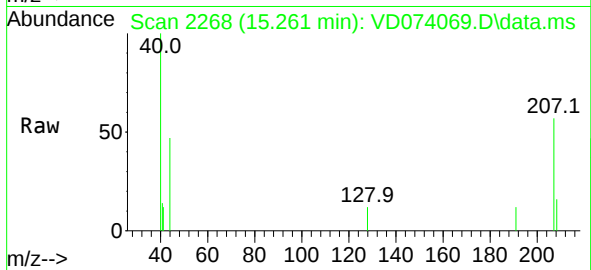
Tgt Ion: 91 Resp: 61
Ion Ratio Lower Upper
91 100
92 0.0 26.5 79.4#
134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 2.011 ug/l
RT: 15.261 min Scan# 21
Delta R.T. -0.112 min
Lab File: VD074069.D
Acq: 12 Aug 2022 18:16

Instrument :
MSVOA_D
ClientSampleId :
EO-02-081022



Tgt Ion:128 Resp: 54
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.5 12.7#

