

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022924\
 Data File : VY017533.D
 Acq On : 29 Feb 2024 17:17
 Operator : SY/MD
 Sample : P1621-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-022824-A

Quant Time: Mar 01 00:32:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

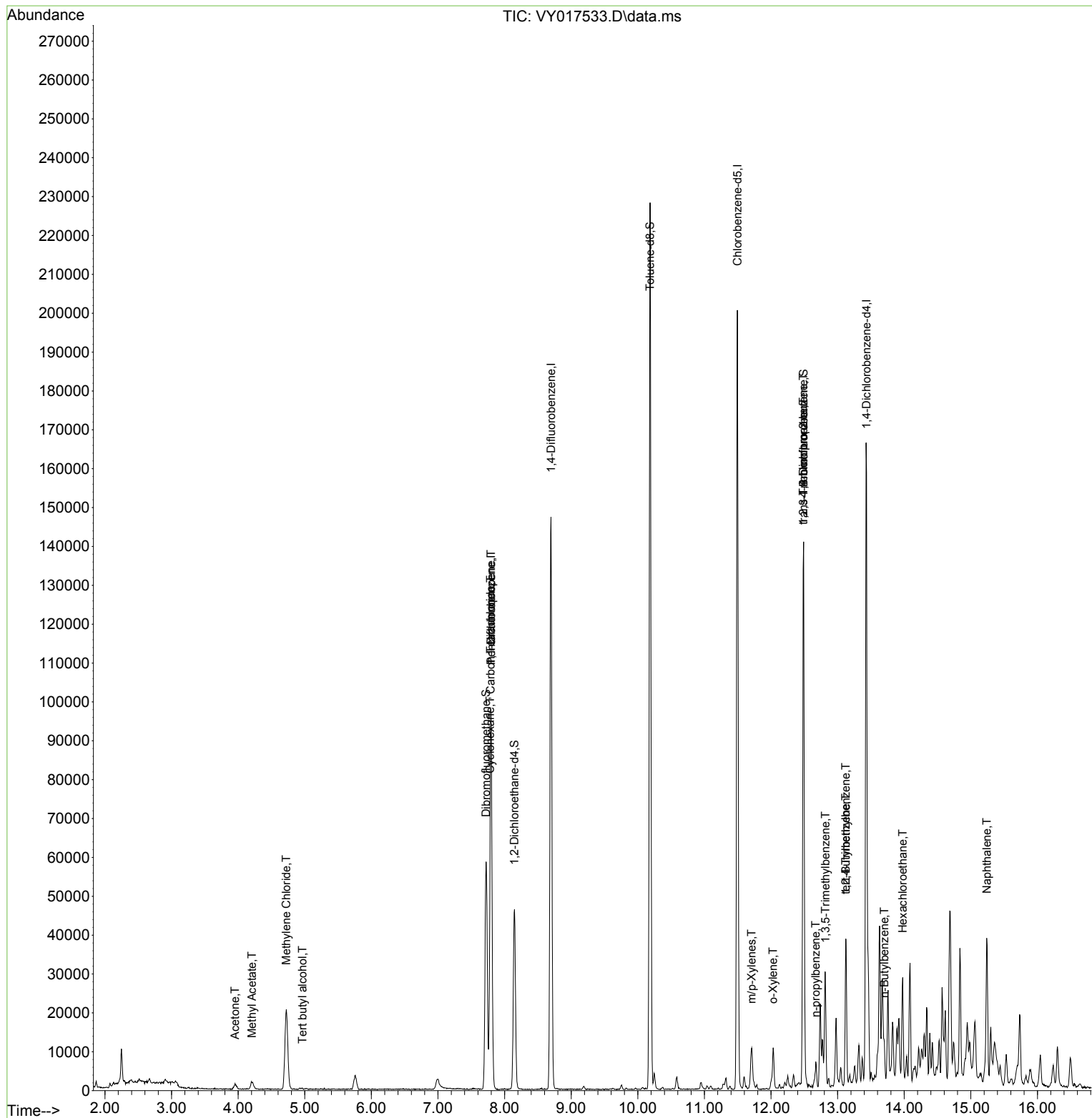
Internal Standards						
1) Pentafluorobenzene	7.795	168	79747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	134236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	114898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	43902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	36178	47.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.740%
35) Dibromofluoromethane	7.722	113	43288	46.278	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.560%
50) Toluene-d8	10.185	98	152860	46.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.480%
62) 4-Bromofluorobenzene	12.489	95	40525	39.428	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.860%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	154	2.399	ug/l #	88
16) Acetone	3.954	43	2352	16.045	ug/l	90
18) Methyl Acetate	4.204	43	426	1.198	ug/l #	46
20) Methylene Chloride	4.722	84	16947	15.946	ug/l	98
31) Cyclohexane	7.783	56	1592	1.294	ug/l #	7
36) 1,1-Dichloropropene	7.795	75	5861	4.644	ug/l #	47
38) Carbon Tetrachloride	7.789	117	7238	5.722	ug/l #	17
68) m/p-Xylenes	11.709	106	2832	1.685	ug/l	98
69) o-Xylene	12.032	106	2651	1.700	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	20121	48.236	ug/l #	100
78) n-propylbenzene	12.672	91	5339	1.364	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	8711	3.334	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20121	110.836	ug/l #	16
83) tert-Butylbenzene	13.123	119	2893	1.261	ug/l #	62
84) 1,2,4-Trimethylbenzene	13.123	105	20849	8.082	ug/l	98
89) n-Butylbenzene	13.702	91	7142	2.726	ug/l #	69
90) Hexachloroethane	13.977	117	1549	2.690	ug/l #	12
95) Naphthalene	15.239	128	30487	24.387	ug/l	99

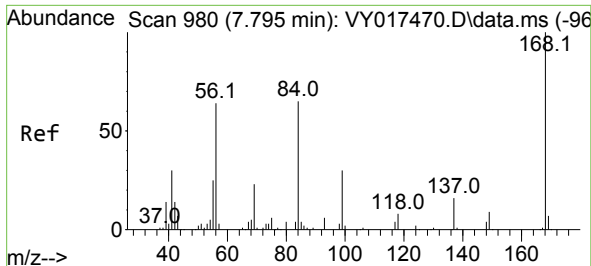
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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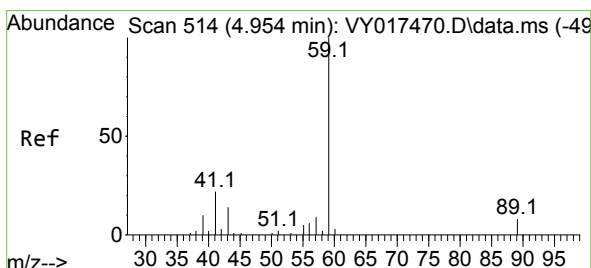
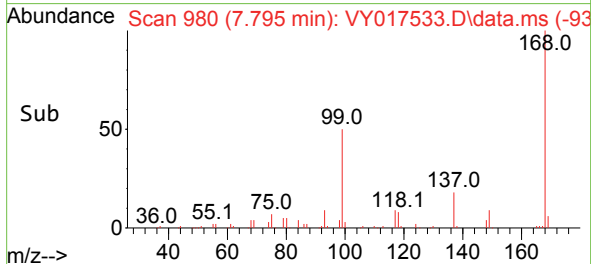
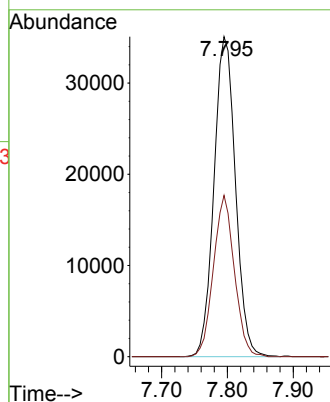
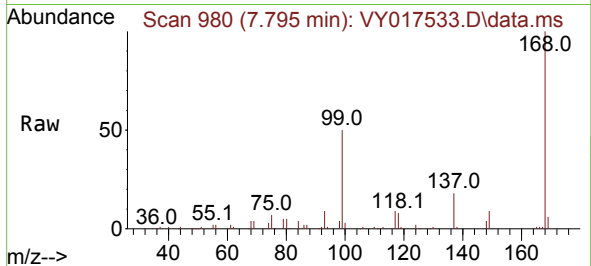




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

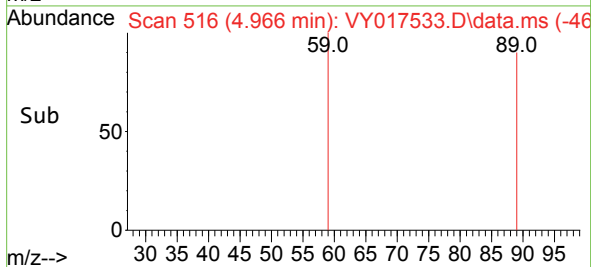
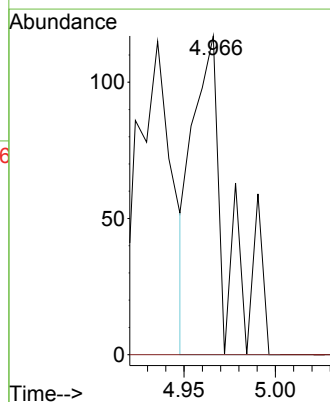
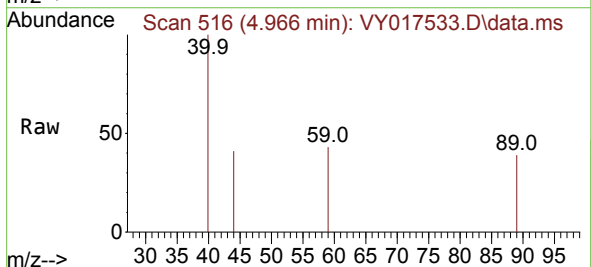
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-022824-A

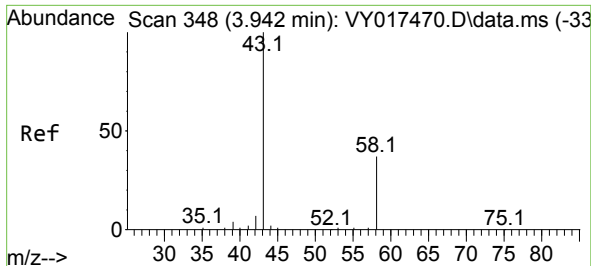
Tgt Ion:168 Resp: 79747
Ion Ratio Lower Upper
168 100
99 50.4 39.1 58.7



#11
Tert butyl alcohol
Concen: 2.399 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.012 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

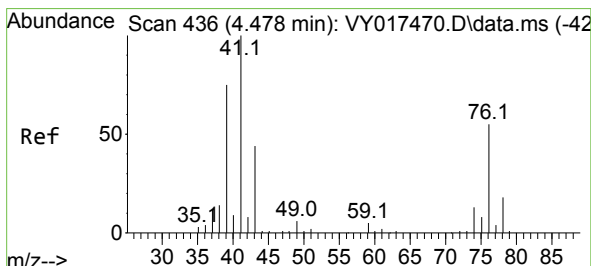
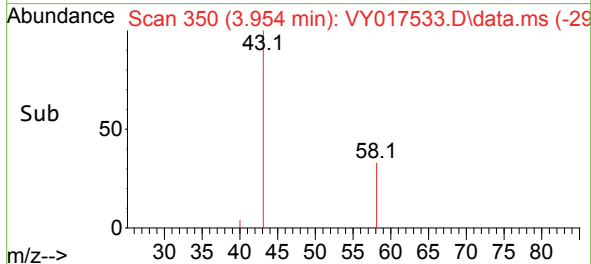
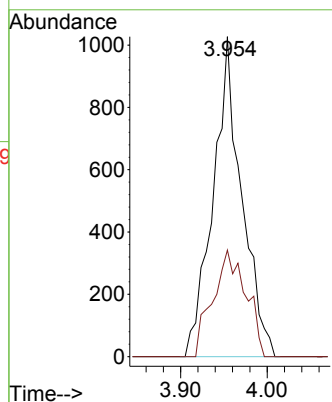
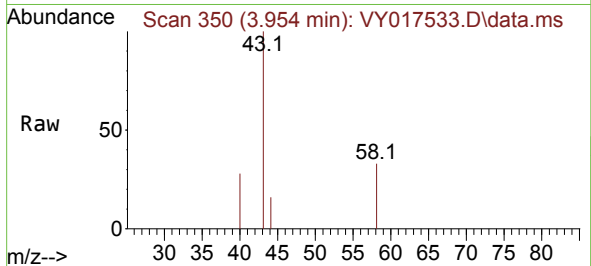




#16
Acetone
Concen: 16.045 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

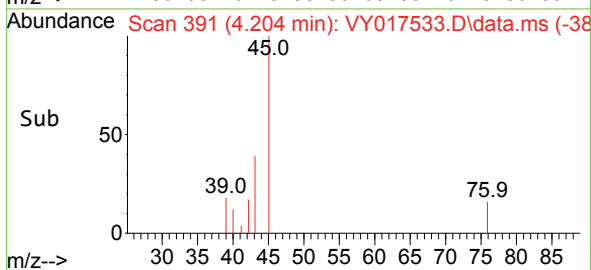
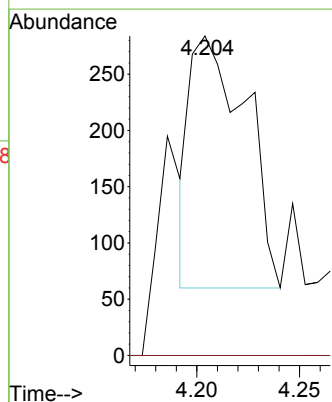
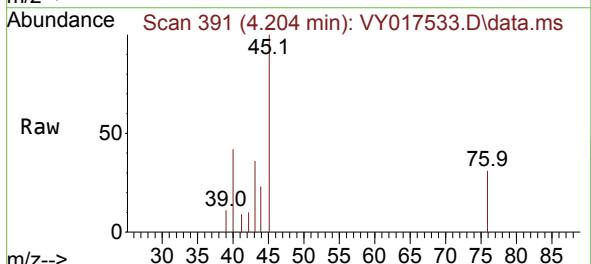
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-022824-A

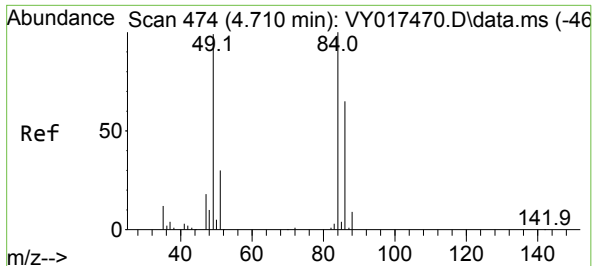
Tgt Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
58 33.3 31.7 47.5



#18
Methyl Acetate
Concen: 1.198 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.274 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

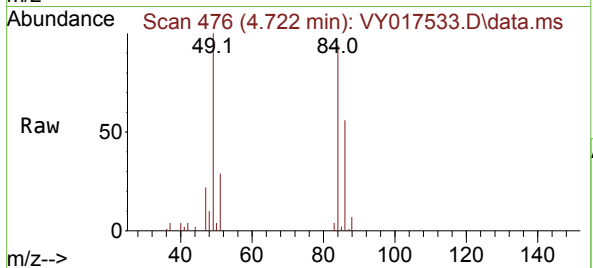
Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



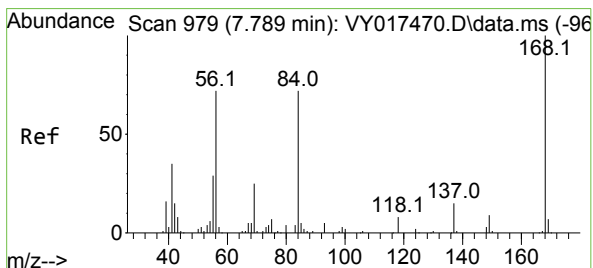
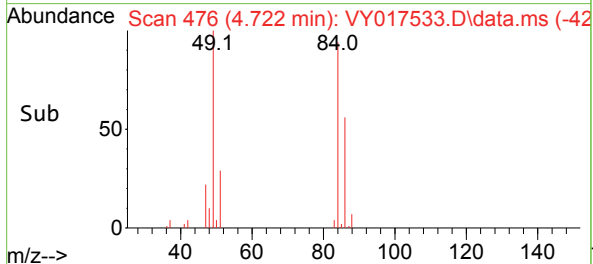
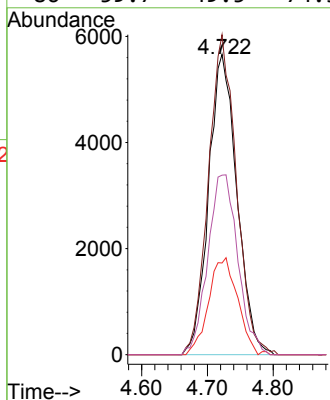


#20
Methylene Chloride
Concen: 15.946 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-022824-A

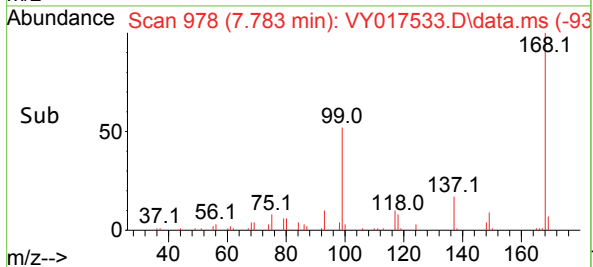
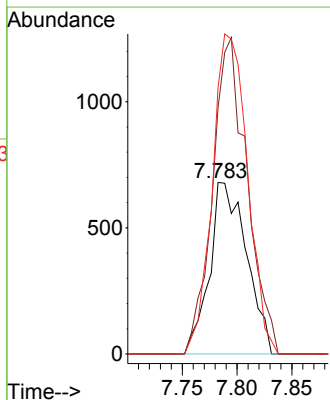
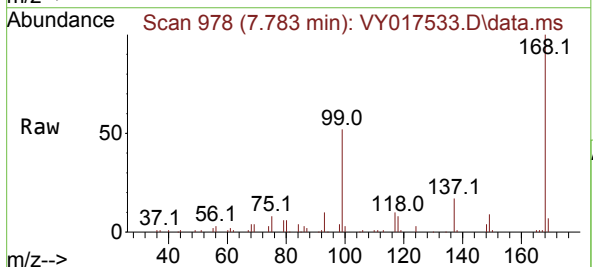


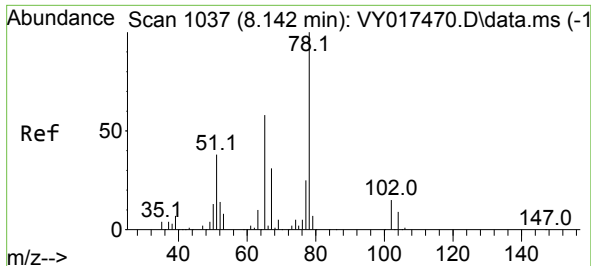
Tgt Ion:	84	Resp:	16947
Ion	Ratio	Lower	Upper
84	100		
49	106.5	84.4	126.6
51	30.5	26.0	39.0
86	59.7	49.5	74.3



#31
Cyclohexane
Concen: 1.294 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Tgt Ion:	56	Resp:	1592
Ion	Ratio	Lower	Upper
56	100		
69	143.5	28.7	43.1#
84	155.3	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 47.868 ug/l

RT: 8.148 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY017533.D

Acq: 29 Feb 2024 17:17

Instrument :

MSVOA_Y

ClientSampleId :

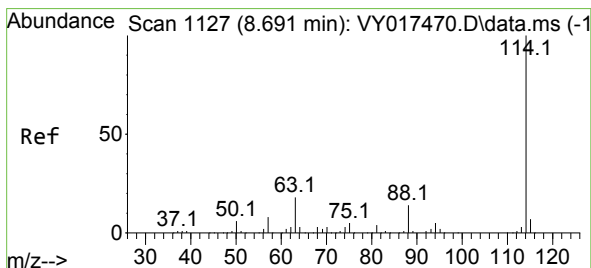
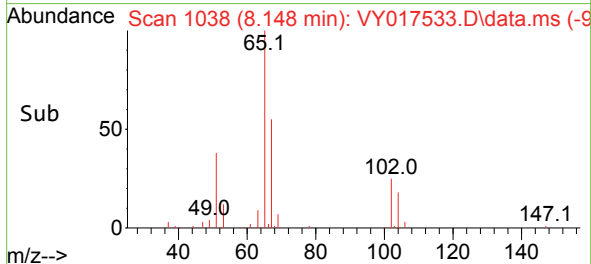
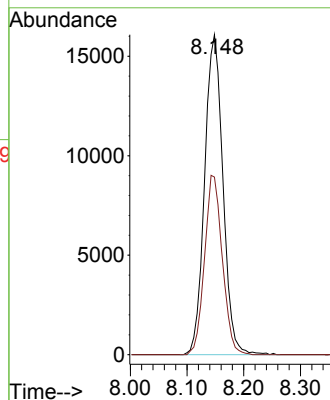
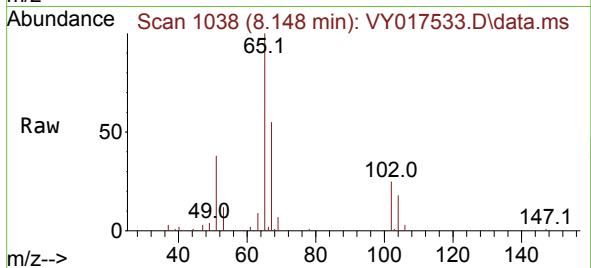
EO-01-022824-A

Tgt Ion: 65 Resp: 36178

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017533.D

Acq: 29 Feb 2024 17:17

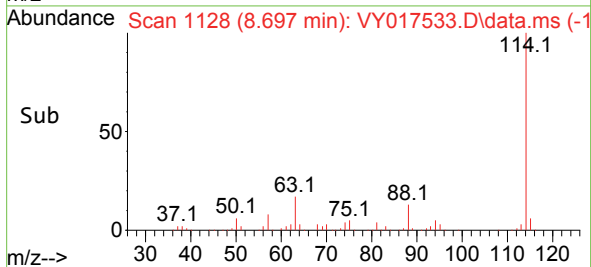
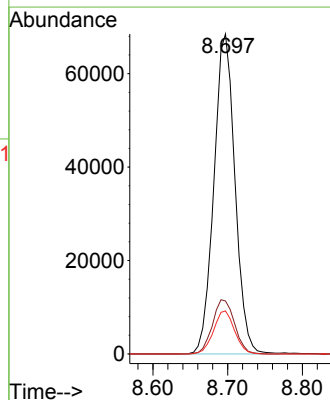
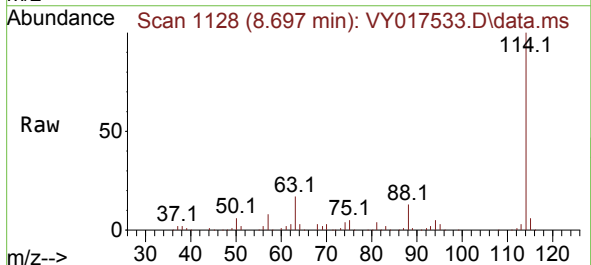
Tgt Ion: 114 Resp: 134236

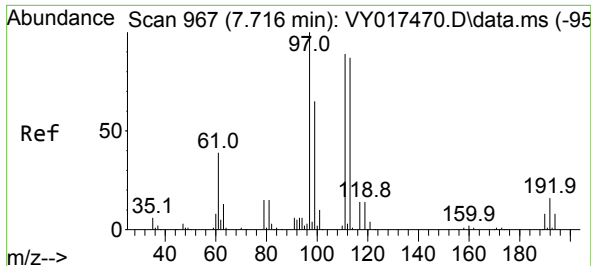
Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

88 13.5 0.0 27.2

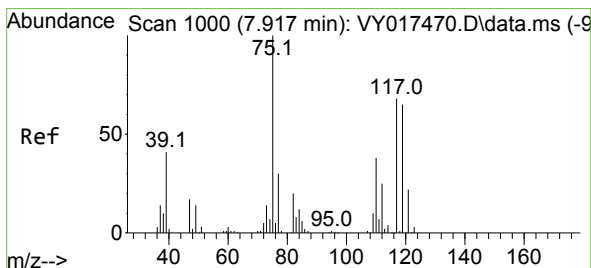
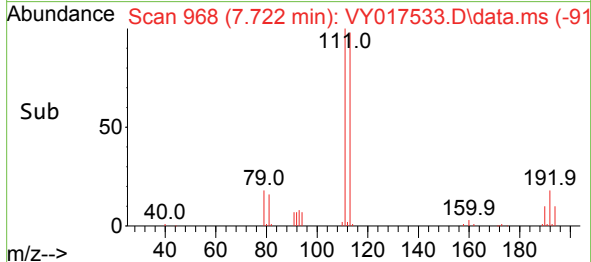
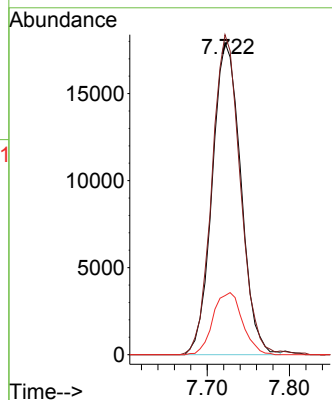
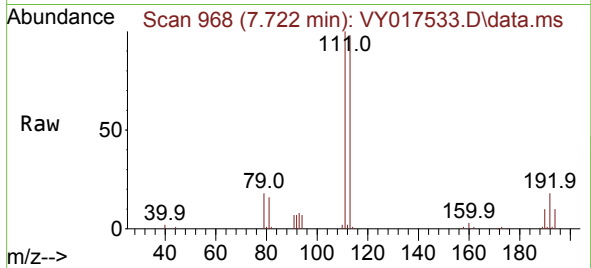




#35
Dibromofluoromethane
Concen: 46.278 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

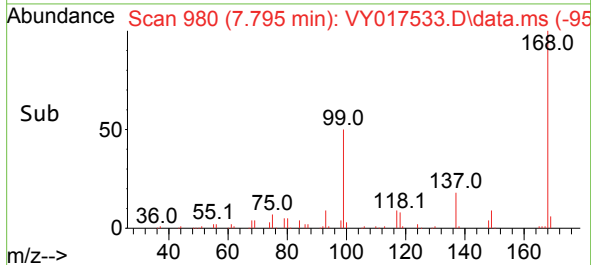
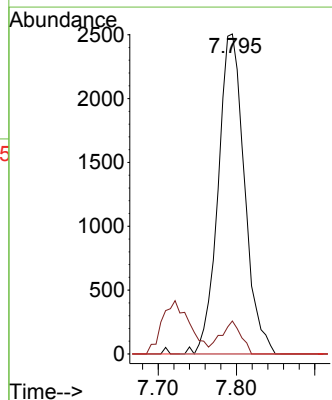
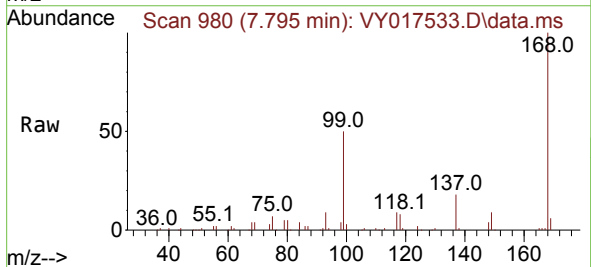
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MSVOA_Y
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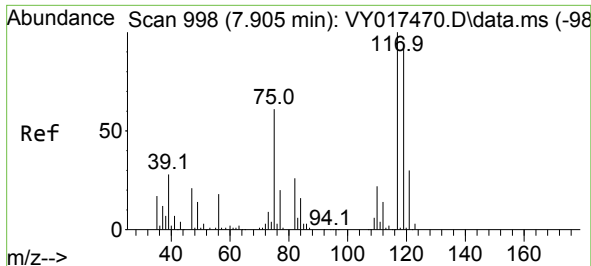
Tgt Ion:113 Resp: 43288
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 20.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.644 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

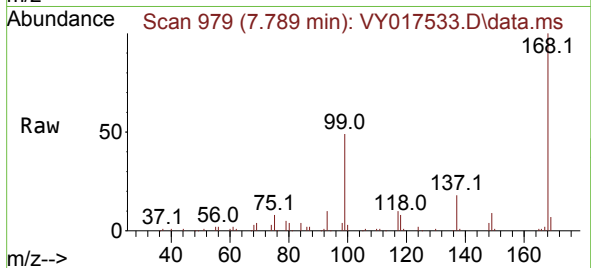
Tgt Ion: 75 Resp: 5861
Ion Ratio Lower Upper
75 100
110 7.9 19.0 57.0#
77 0.0 25.3 37.9#



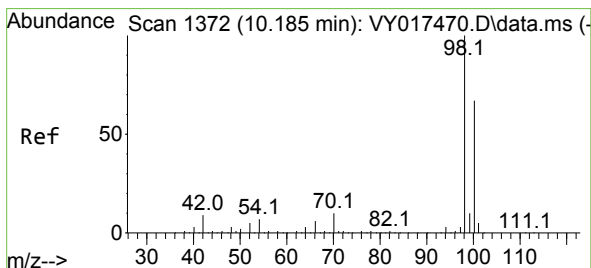
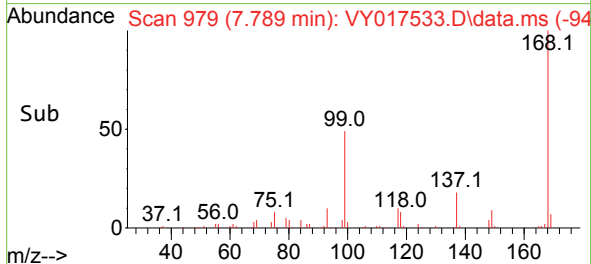
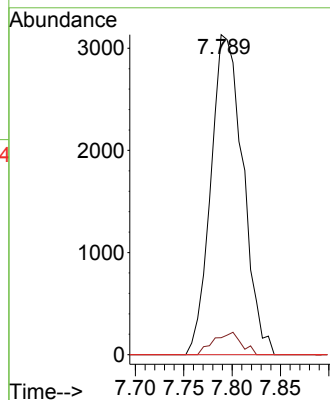


#38
Carbon Tetrachloride
Concen: 5.722 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-022824-A

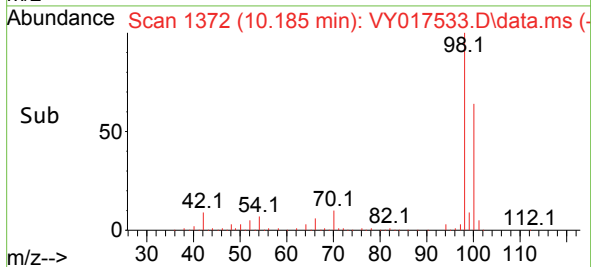
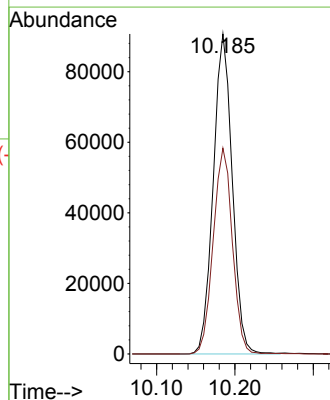
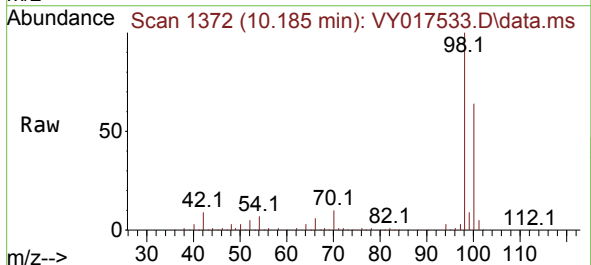


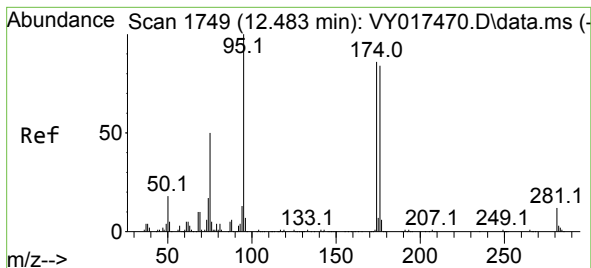
Tgt Ion:117 Resp: 7238
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.739 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Tgt Ion: 98 Resp: 152860
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

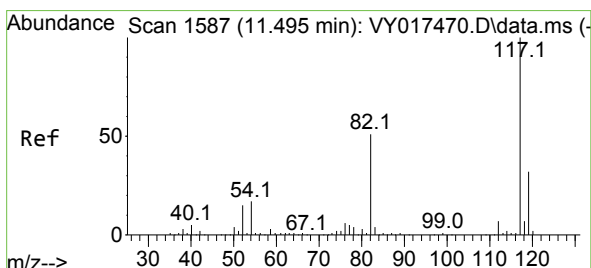
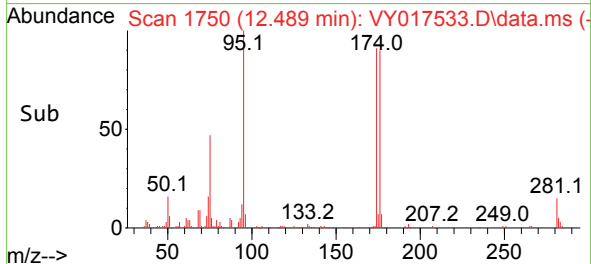
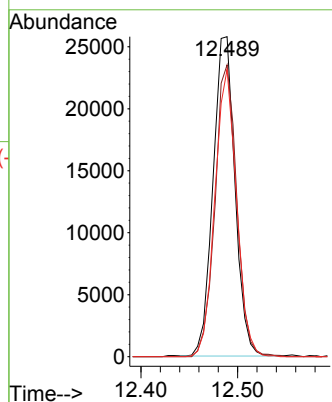
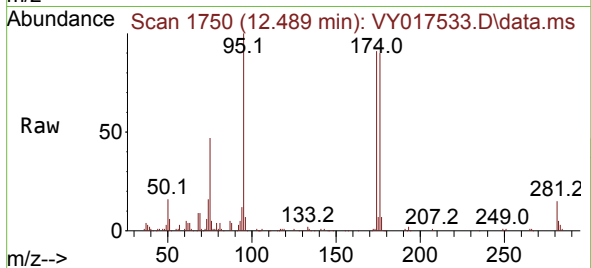




#62
4-Bromofluorobenzene
Concen: 39.428 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

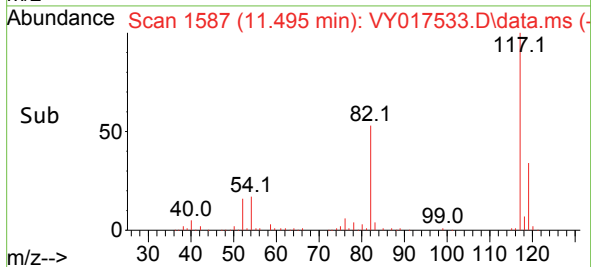
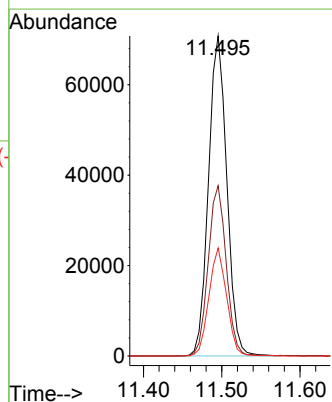
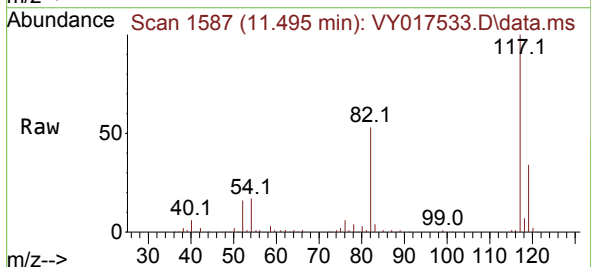
Instrument :
MSVOA_Y
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EO-01-022824-A

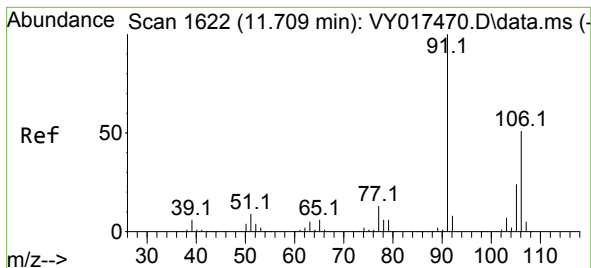
Tgt Ion: 95 Resp: 40525
Ion Ratio Lower Upper
95 100
174 90.9 0.0 175.6
176 88.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Tgt Ion: 117 Resp: 114898
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 33.8 25.9 38.9





#68

m/p-Xylenes

Concen: 1.685 ug/l

RT: 11.709 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY017533.D

Acq: 29 Feb 2024 17:17

Instrument :

MSVOA_Y

ClientSampleId :

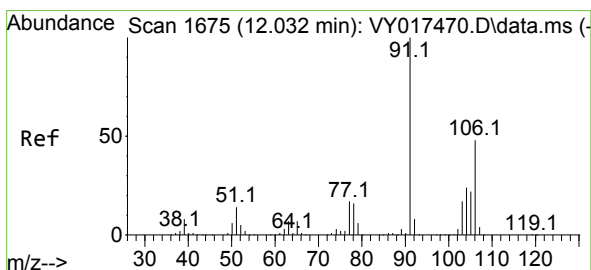
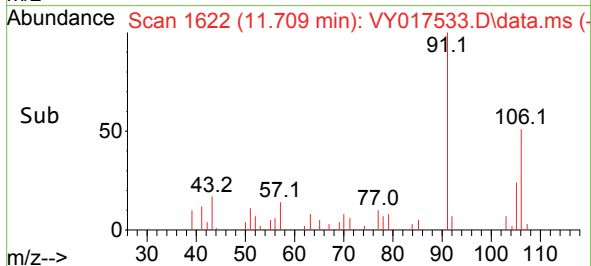
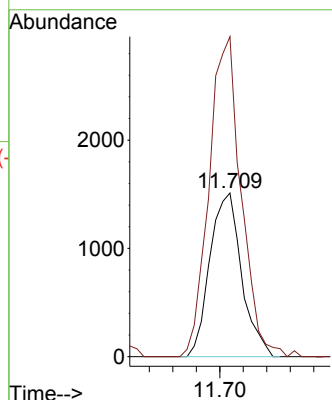
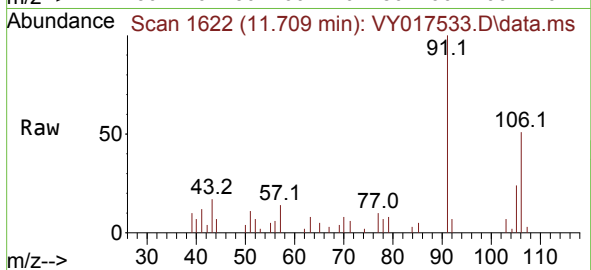
EO-01-022824-A

Tgt Ion:106 Resp: 2832

Ion Ratio Lower Upper

106 100

91 198.4 156.0 234.0



#69

o-Xylene

Concen: 1.700 ug/l

RT: 12.032 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VY017533.D

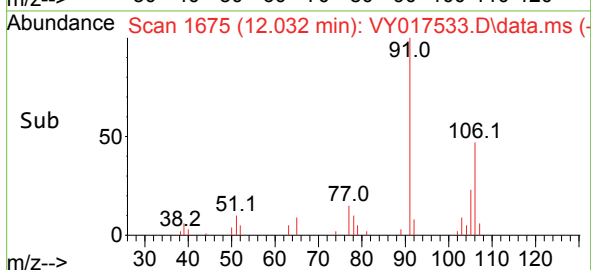
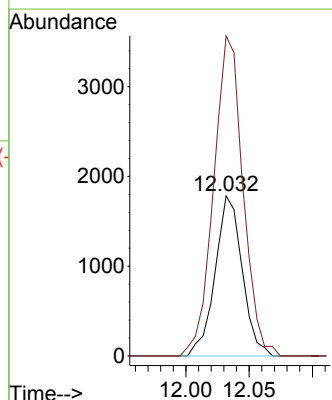
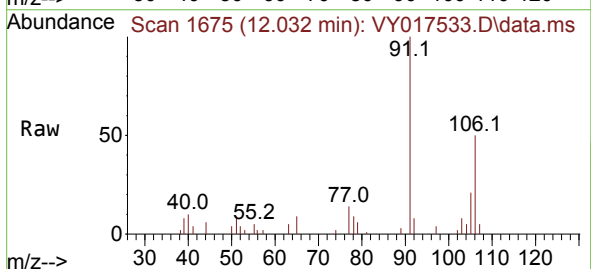
Acq: 29 Feb 2024 17:17

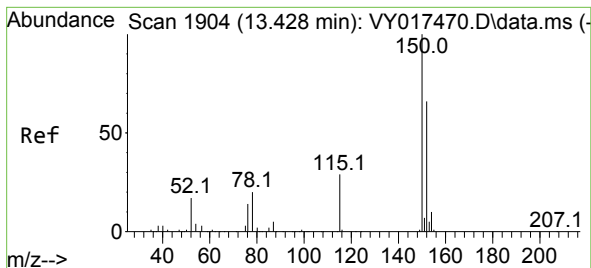
Tgt Ion:106 Resp: 2651

Ion Ratio Lower Upper

106 100

91 216.7 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY017533.D

Acq: 29 Feb 2024 17:17

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-022824-A

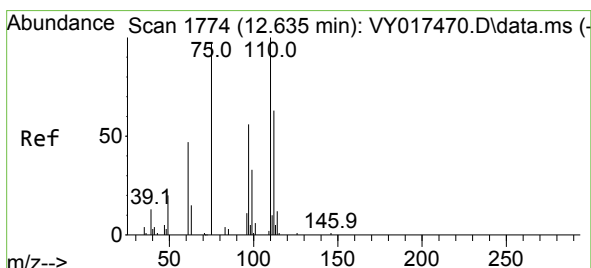
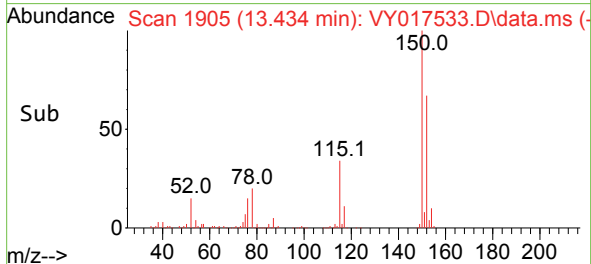
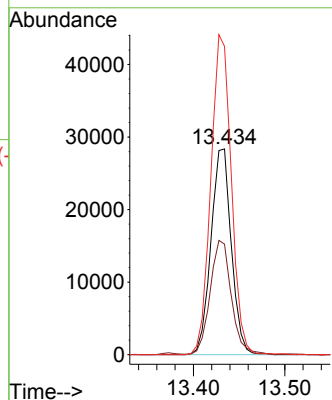
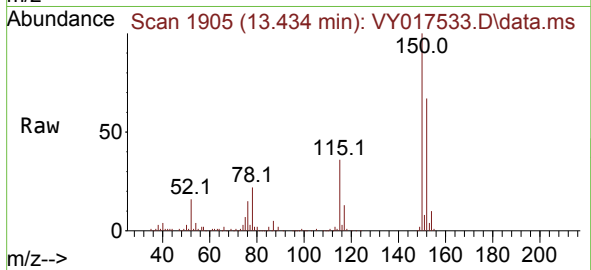
Tgt Ion:152 Resp: 43902

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.7

150 156.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 48.236 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY017533.D

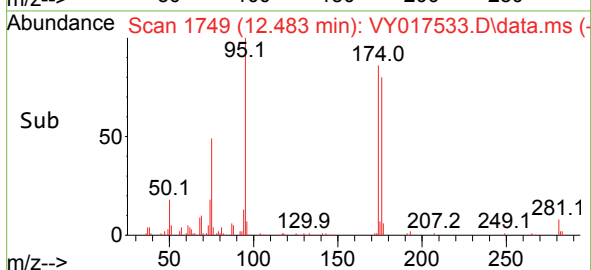
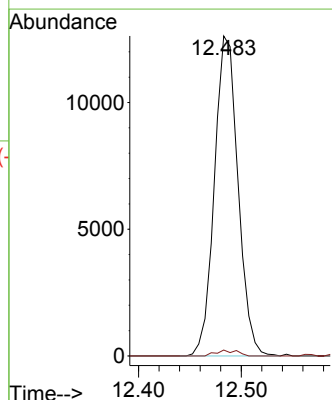
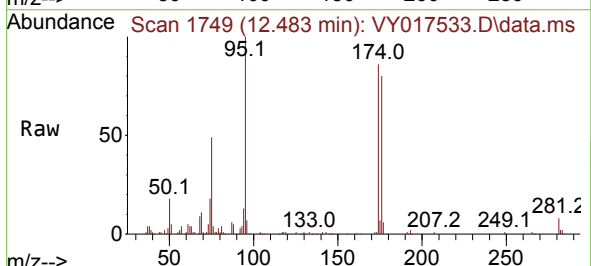
Acq: 29 Feb 2024 17:17

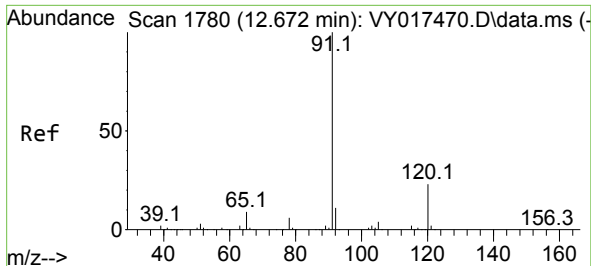
Tgt Ion: 75 Resp: 20121

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

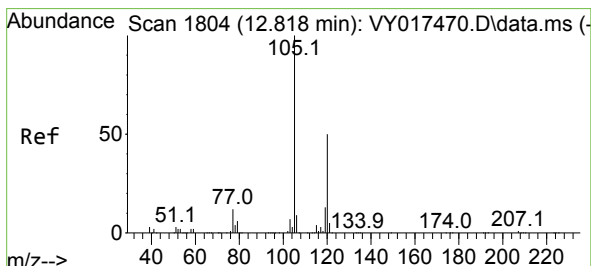
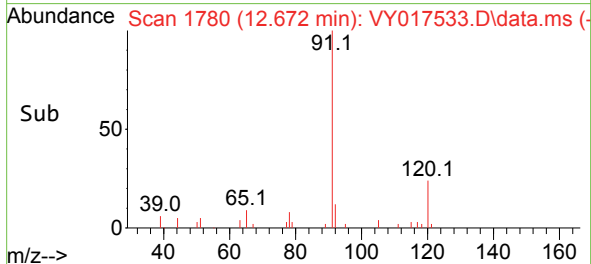
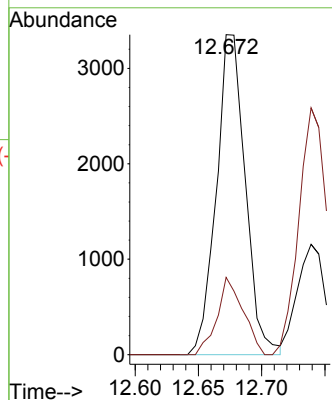
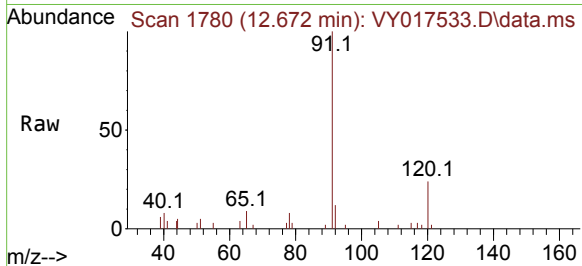




#78
n-propylbenzene
Concen: 1.364 ug/l
RT: 12.672 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

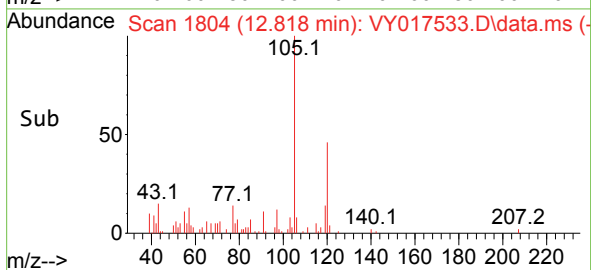
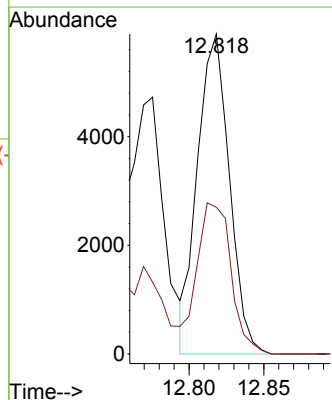
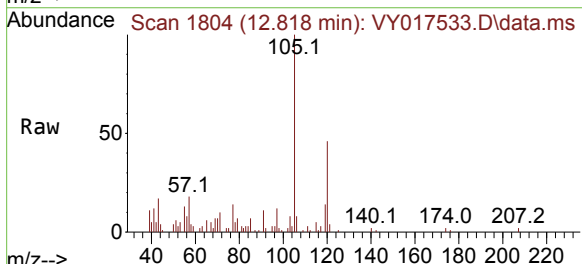
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-022824-A

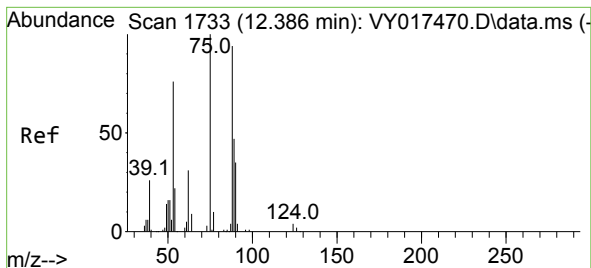
Tgt Ion: 91 Resp: 5339
Ion Ratio Lower Upper
91 100
120 21.7 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 3.334 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. -0.000 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Tgt Ion: 105 Resp: 8711
Ion Ratio Lower Upper
105 100
120 50.4 25.1 75.2

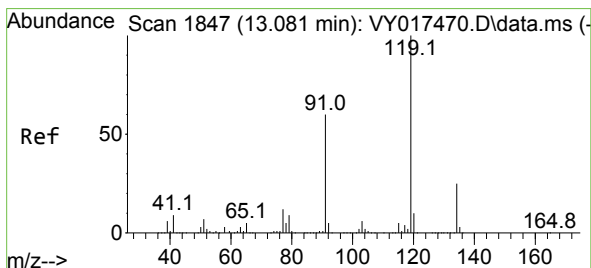
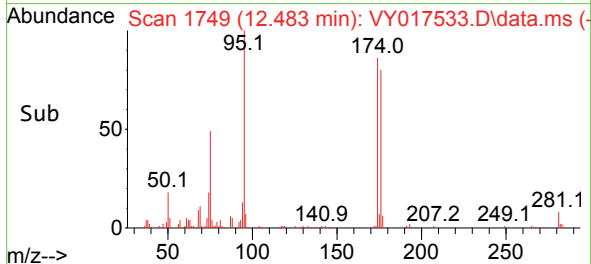
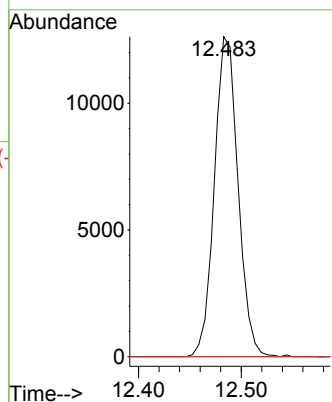
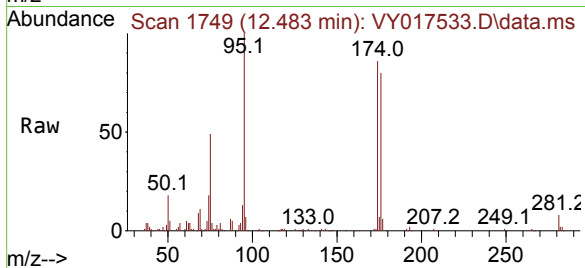




#81
trans-1,4-Dichloro-2-butene
Concen: 110.836 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

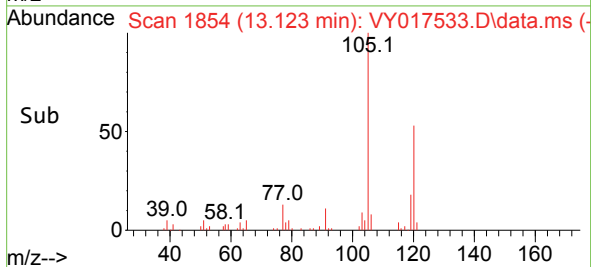
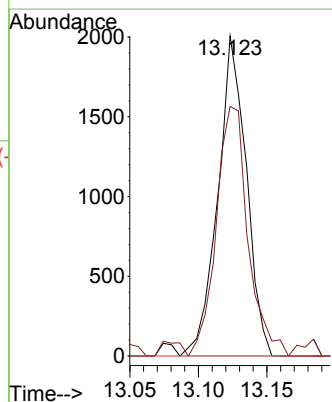
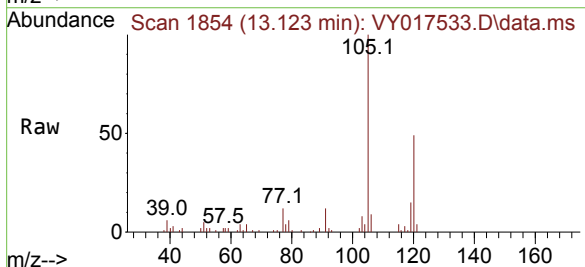
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-022824-A

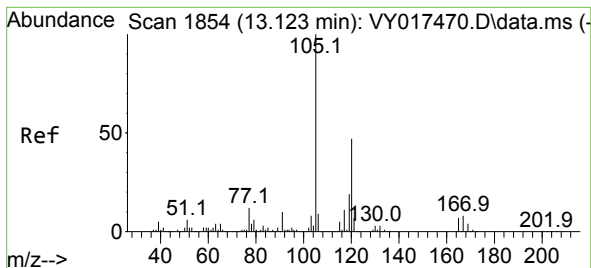
Tgt Ion: 75 Resp: 20121
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#83
tert-Butylbenzene
Concen: 1.261 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.043 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Tgt Ion: 119 Resp: 2893
Ion Ratio Lower Upper
119 100
91 87.0 31.3 93.8
134 0.0 13.4 40.1#





#84

1,2,4-Trimethylbenzene

Concen: 8.082 ug/l

RT: 13.123 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY017533.D

Acq: 29 Feb 2024 17:17

Instrument :

MSVOA_Y

ClientSampleId :

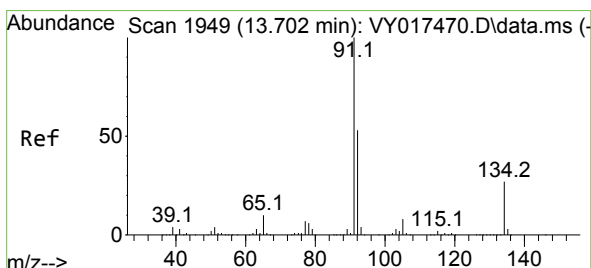
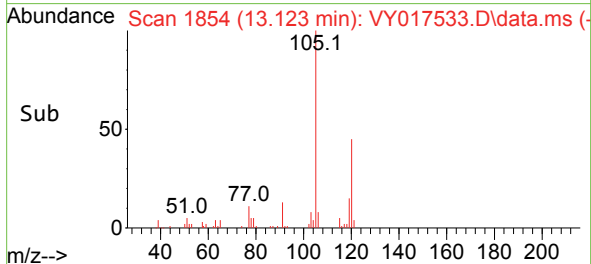
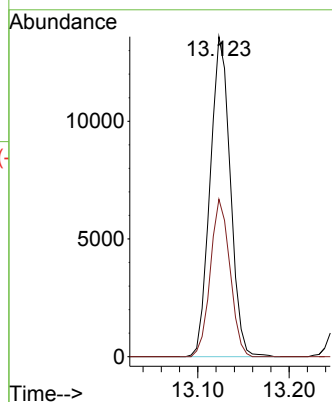
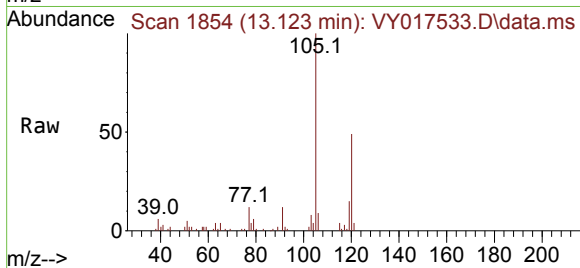
EO-01-022824-A

Tgt Ion:105 Resp: 20849

Ion Ratio Lower Upper

105 100

120 47.7 23.2 69.6



#89

n-Butylbenzene

Concen: 2.726 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. -0.000 min

Lab File: VY017533.D

Acq: 29 Feb 2024 17:17

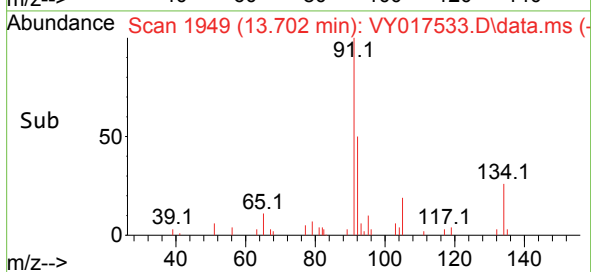
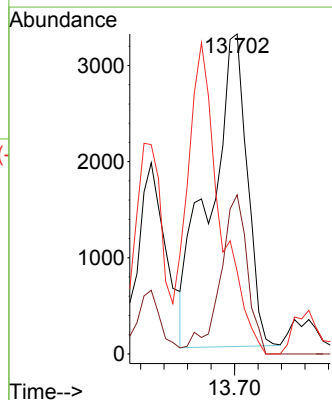
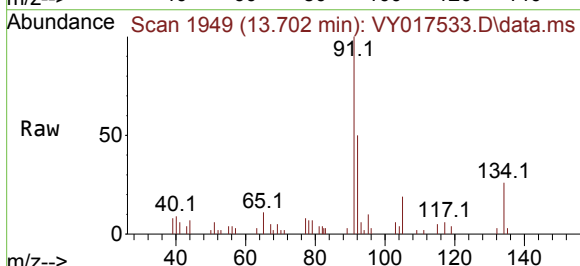
Tgt Ion: 91 Resp: 7142

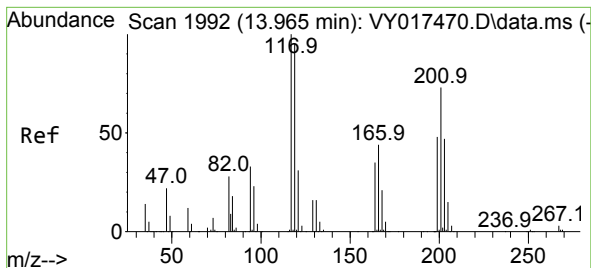
Ion Ratio Lower Upper

91 100

92 37.5 26.6 79.7

134 0.0 12.9 38.7#

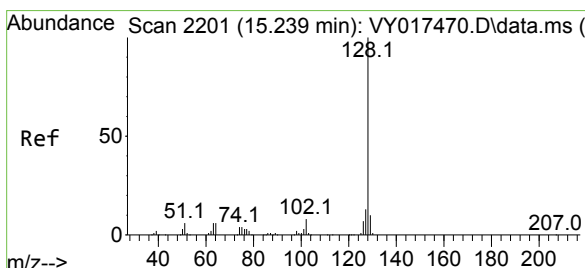
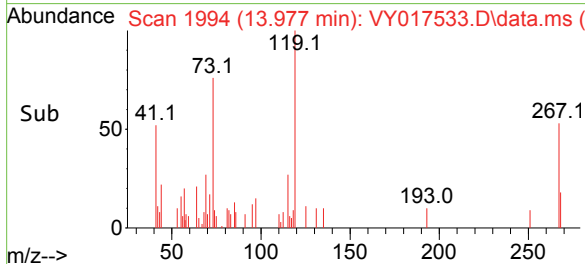
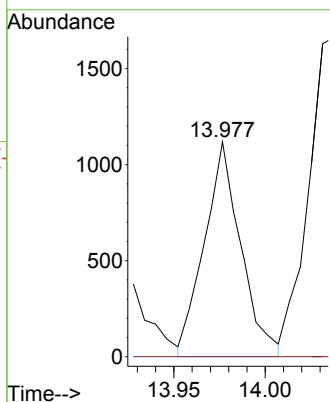
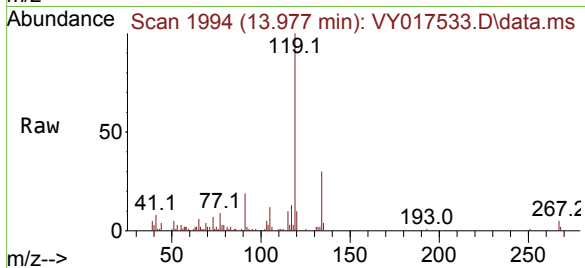




#90
Hexachloroethane
Concen: 2.690 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-022824-A

Tgt Ion:117 Resp: 1549
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#95
Naphthalene
Concen: 24.387 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY017533.D
Acq: 29 Feb 2024 17:17

Tgt Ion:128 Resp: 30487
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.7 8.6 13.0

