

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015238.D
 Acq On : 22 Aug 2023 12:43
 Operator : SY/MD
 Sample : 04087-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-081823RE

Quant Time: Aug 22 14:27:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

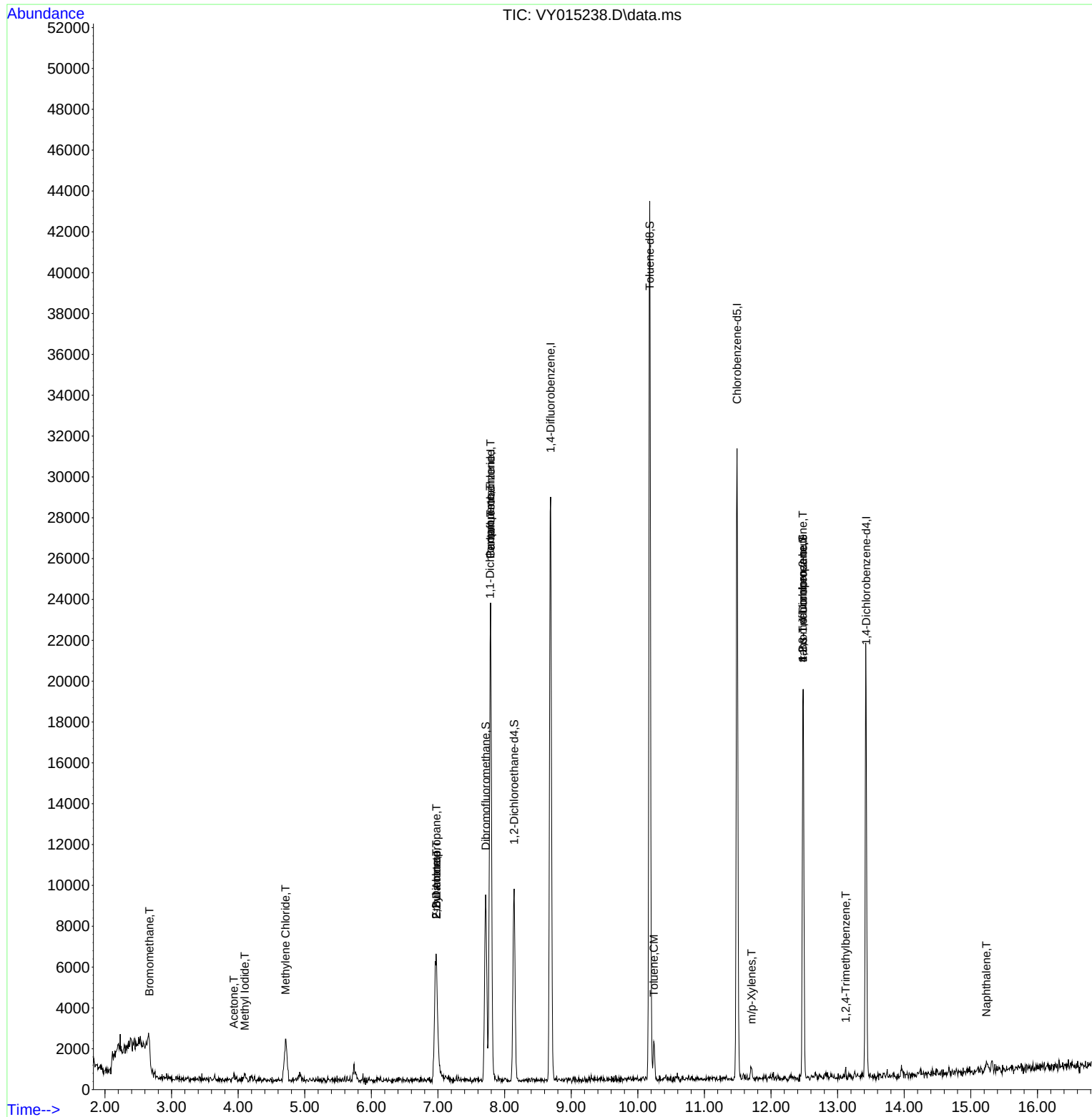
Internal Standards						
1) Pentafluorobenzene	7.789	168	18035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	25973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	17239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	7448	34.403	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	68.800%
35) Dibromofluoromethane	7.716	113	6534	39.104	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.200%
50) Toluene-d8	10.179	98	29079	46.750	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.500%
62) 4-Bromofluorobenzene	12.477	95	6046	26.612	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	220	Below Cal	#	43
5) Bromomethane	2.668	94	512	3.617	ug/l #	74
10) Methyl Iodide	4.101	142	350	2.372	ug/l #	76
11) Tert butyl alcohol	4.966	59	82	Below Cal	#	89
16) Acetone	3.936	43	241	3.408	ug/l #	46
20) Methylene Chloride	4.710	84	1508	5.005	ug/l #	83
25) 2-Butanone	6.978	43	484	4.833	ug/l #	49
26) 2,2-Dichloropropane	6.978	77	489	1.688	ug/l #	54
31) Cyclohexane	7.789	56	422	Below Cal	#	28
36) 1,1-Dichloropropene	7.783	75	1291	6.984	ug/l #	41
37) Ethyl Acetate	6.978	43	484	2.809	ug/l #	71
38) Carbon Tetrachloride	7.789	117	1961	8.963	ug/l #	17
52) Toluene	10.240	92	876	2.378	ug/l	97
68) m/p-Xylenes	11.709	106	278	1.330	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	3192	48.093	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3192	105.635	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.123	105	334	1.141	ug/l #	60
95) Naphthalene	15.233	128	566	2.231	ug/l #	69

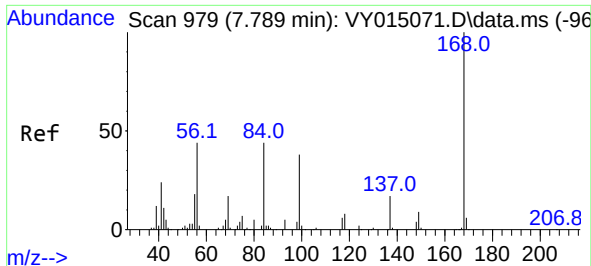
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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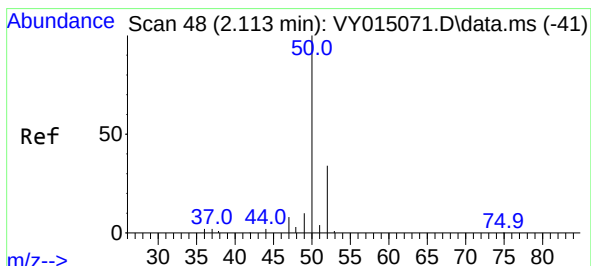
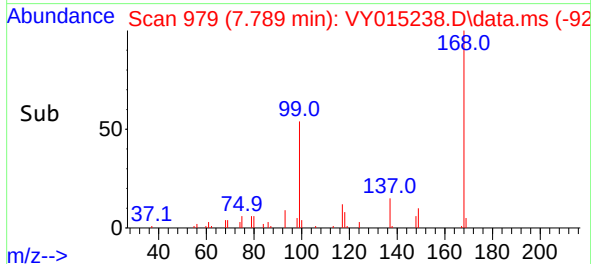
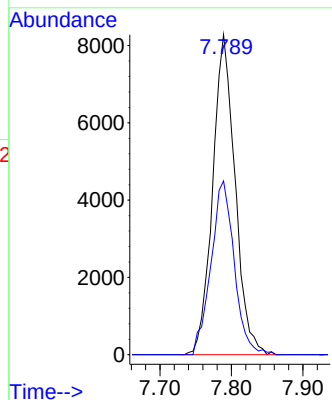
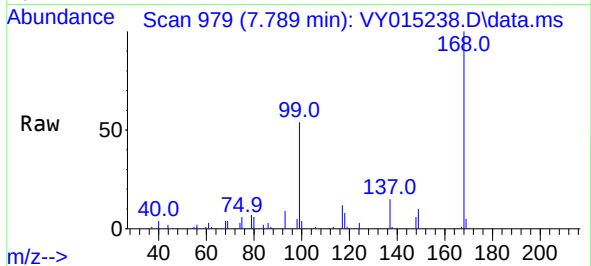




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

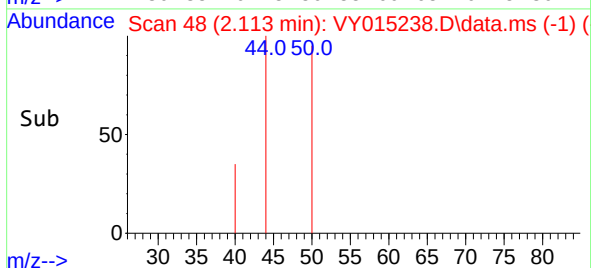
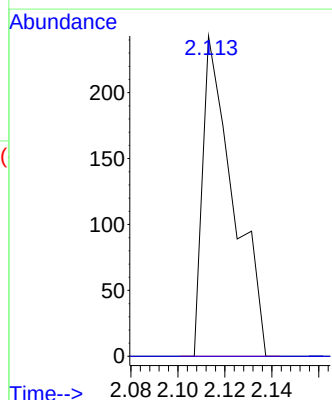
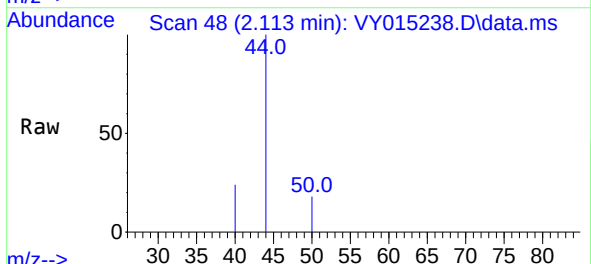
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-081823RE

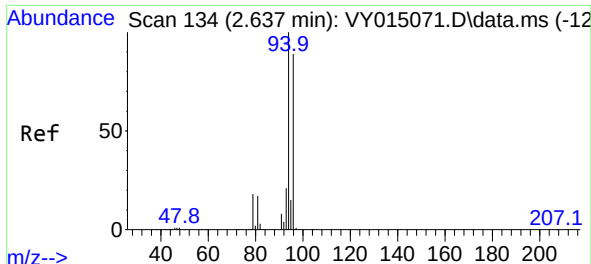
Tgt Ion:168 Resp: 18035
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Tgt Ion: 50 Resp: 220
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

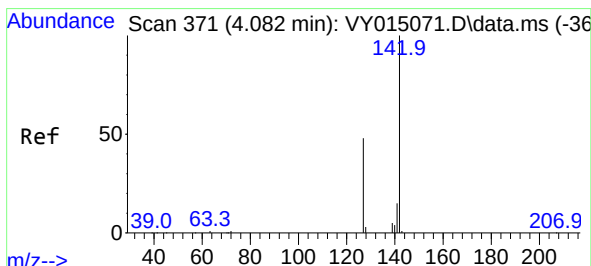
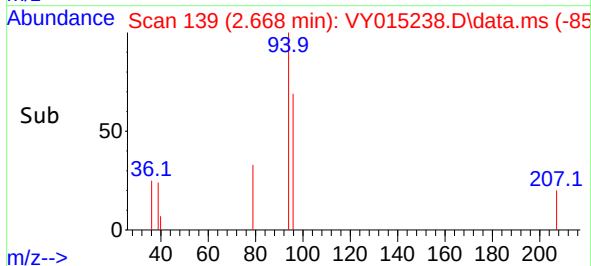
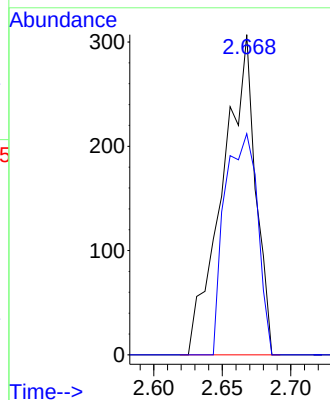
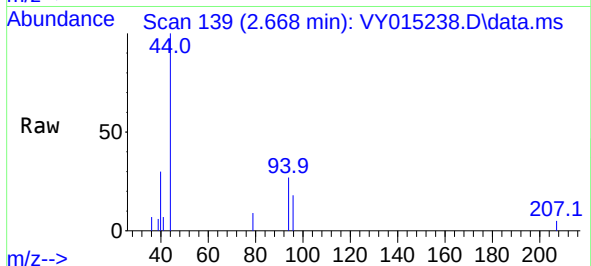




#5
Bromomethane
Concen: 3.617 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.031 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

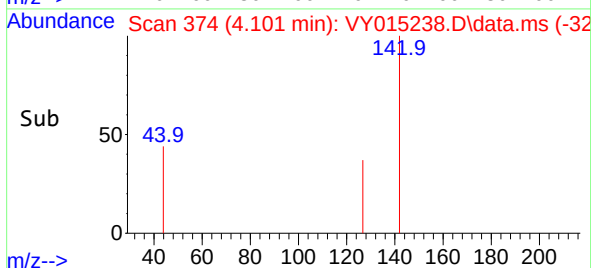
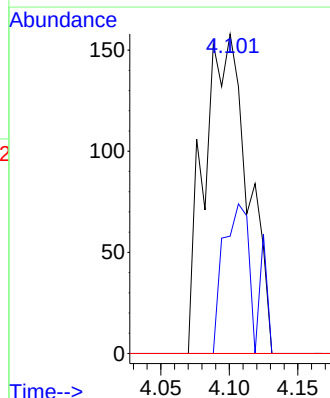
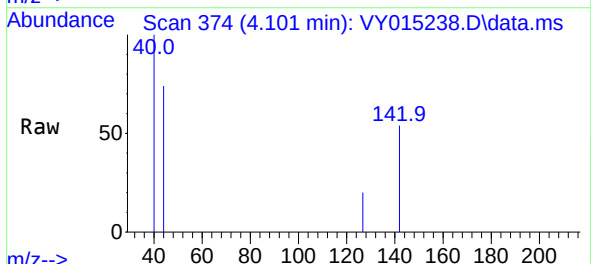
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-081823RE

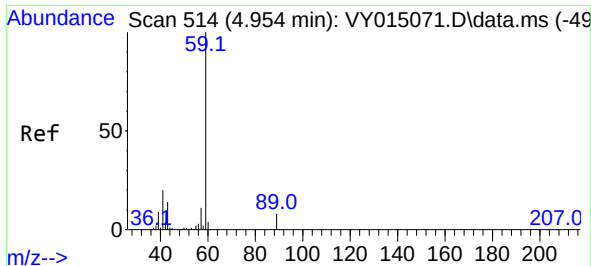
Tgt Ion: 94 Resp: 512
Ion Ratio Lower Upper
94 100
96 69.1 75.8 113.6#



#10
Methyl Iodide
Concen: 2.372 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Tgt Ion: 142 Resp: 350
Ion Ratio Lower Upper
142 100
127 33.1 37.6 56.4#
141 0.0 11.8 17.8#

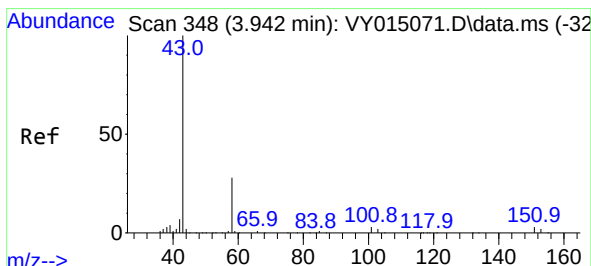
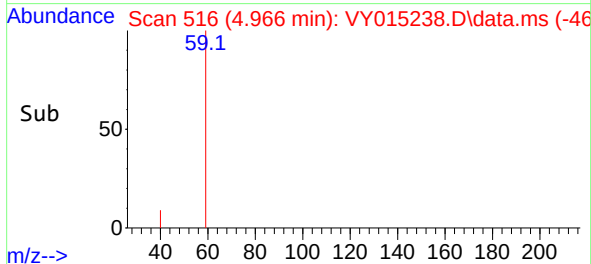
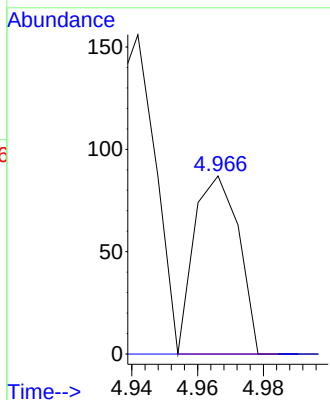
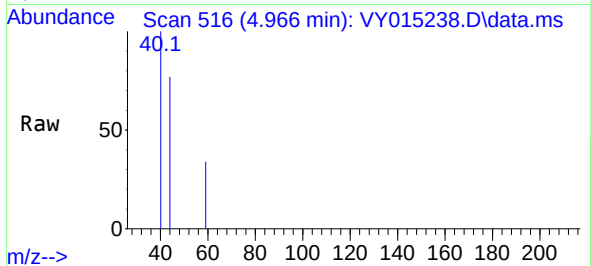




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

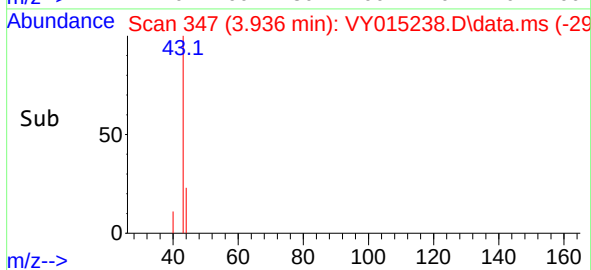
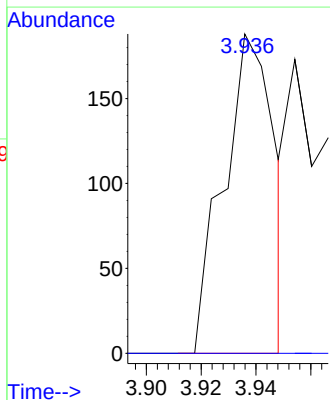
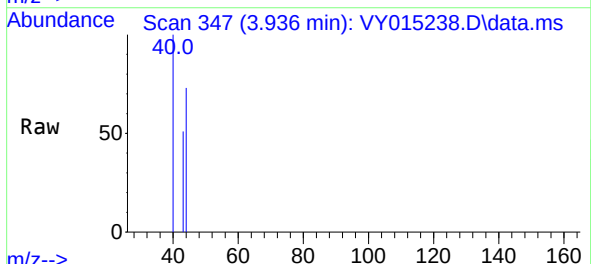
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-081823RE

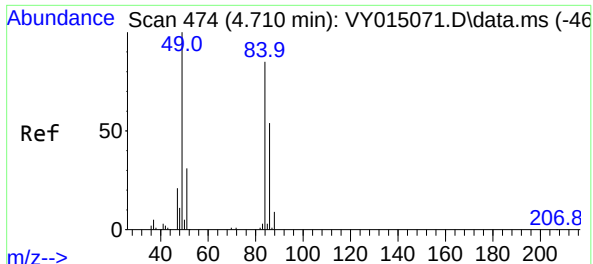
Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 3.408 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



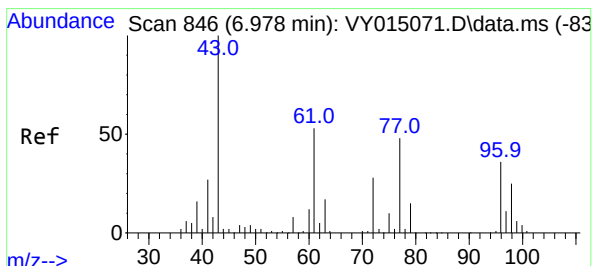
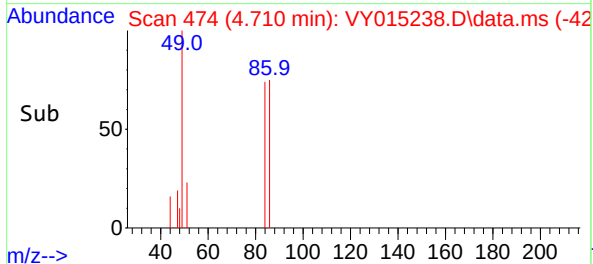
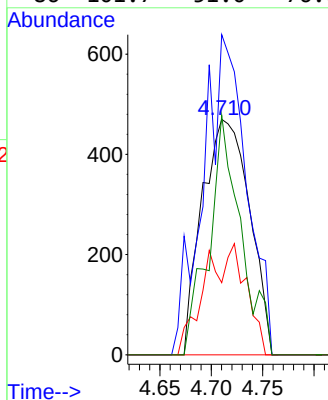
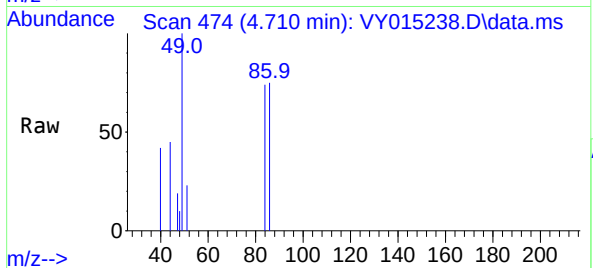


#20
Methylene Chloride
Concen: 5.005 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-081823RE

Tgt Ion: 84 Resp: 1508

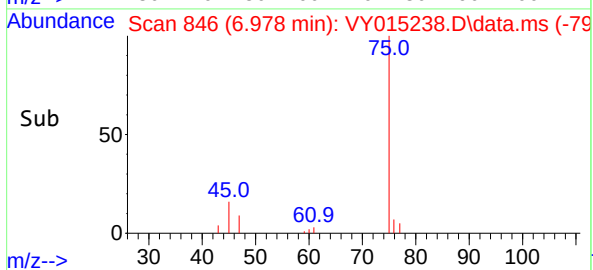
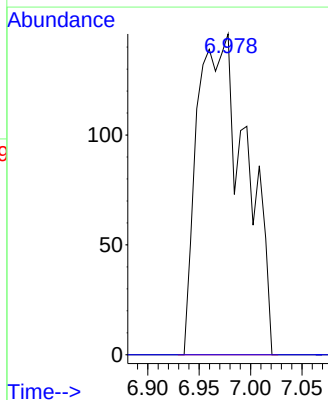
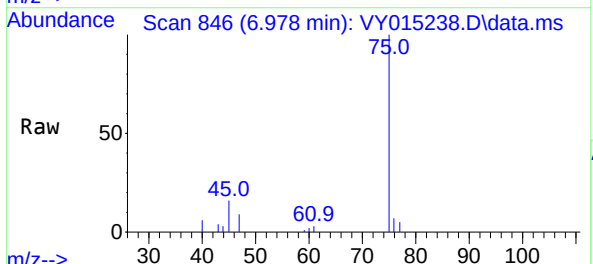
Ion	Ratio	Lower	Upper
84	100		
49	136.0	106.9	160.3
51	30.6	33.2	49.8#
86	101.7	51.0	76.6#

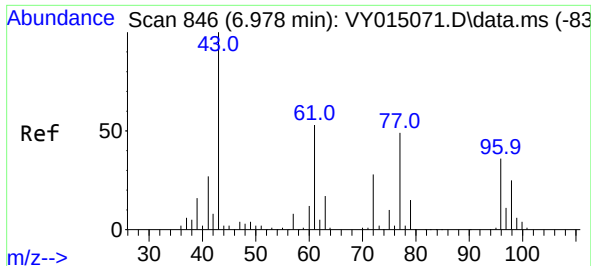


#25
2-Butanone
Concen: 4.833 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Tgt Ion: 43 Resp: 484

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.688 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015238.D

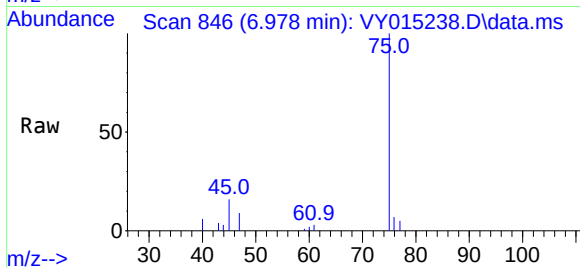
Acq: 22 Aug 2023 12:43

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-081823RE

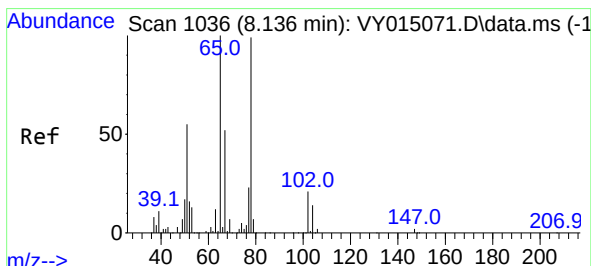
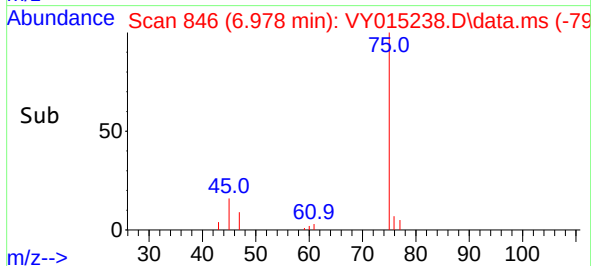
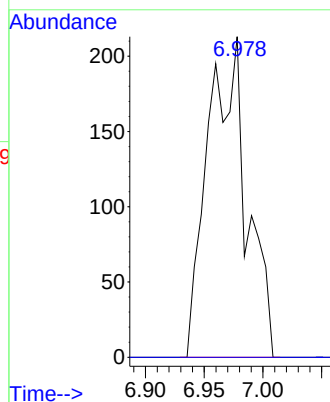


Tgt Ion: 77 Resp: 489

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#33

1,2-Dichloroethane-d4

Concen: 34.403 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.006 min

Lab File: VY015238.D

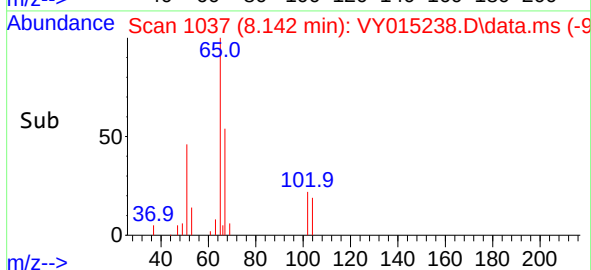
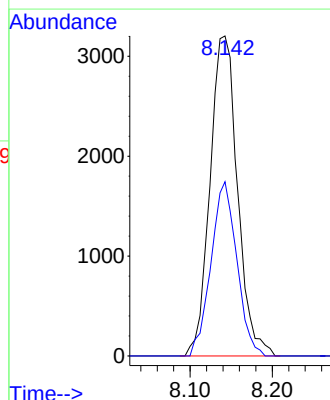
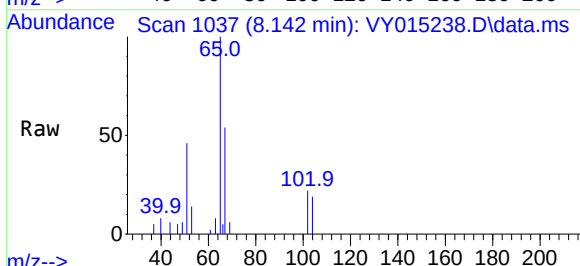
Acq: 22 Aug 2023 12:43

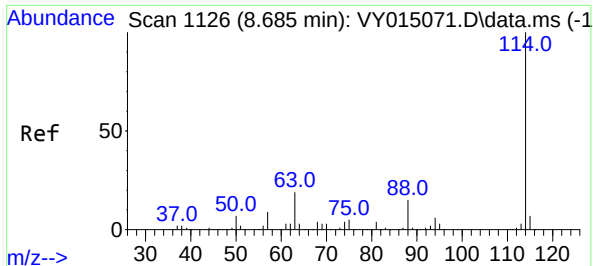
Tgt Ion: 65 Resp: 7448

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015238.D

Acq: 22 Aug 2023 12:43

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-081823RE

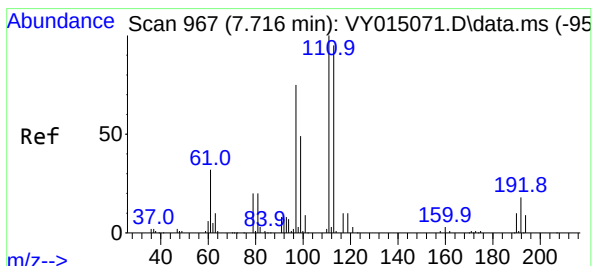
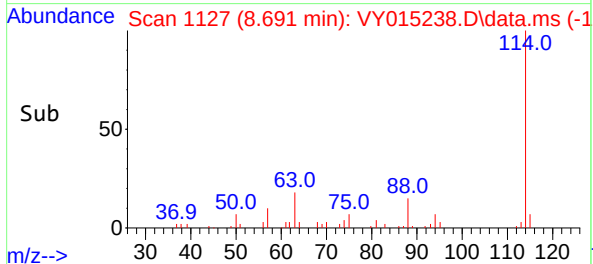
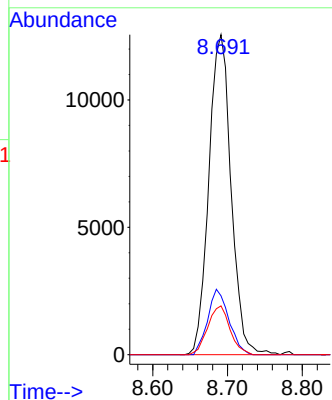
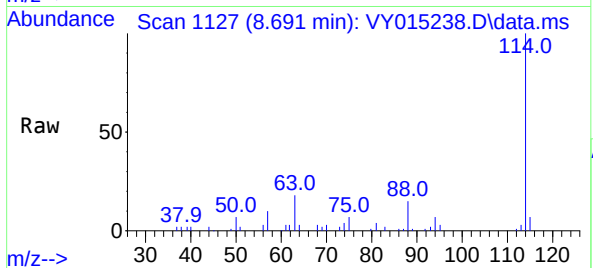
Tgt Ion:114 Resp: 25973

Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 39.104 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015238.D

Acq: 22 Aug 2023 12:43

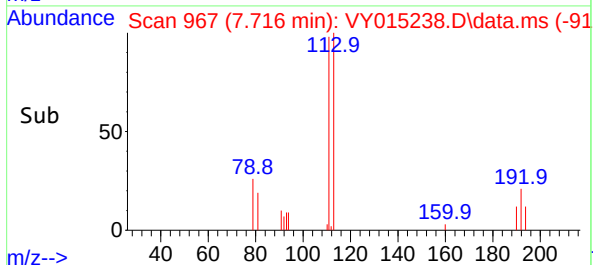
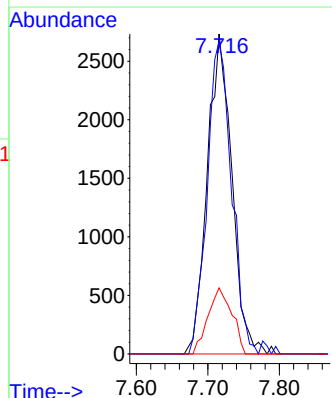
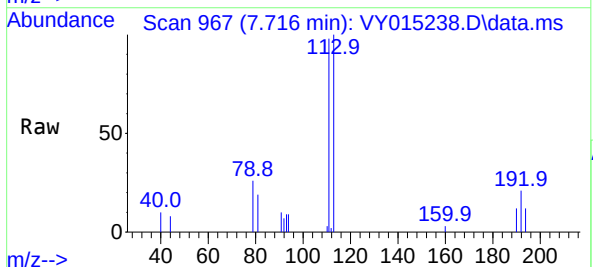
Tgt Ion:113 Resp: 6534

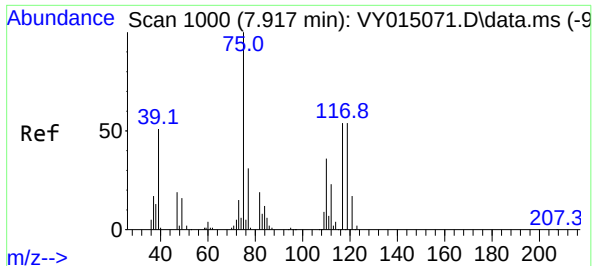
Ion Ratio Lower Upper

113 100

111 96.8 81.3 121.9

192 20.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.984 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY015238.D

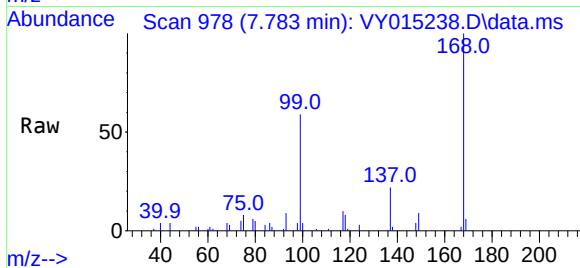
Acq: 22 Aug 2023 12:43

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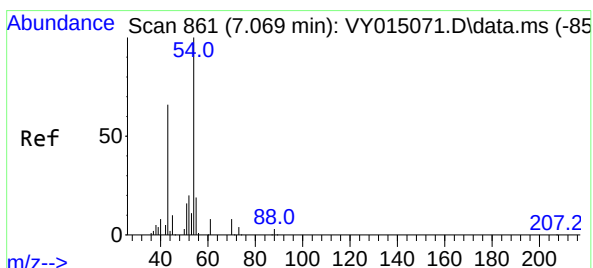
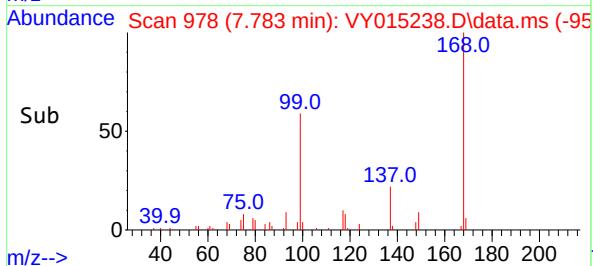
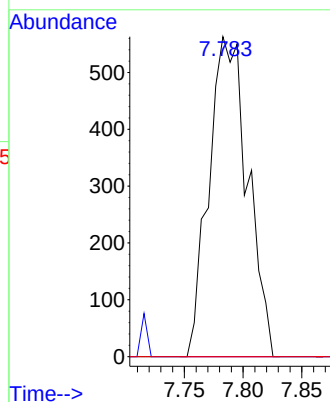
Tgt Ion: 75 Resp: 1291

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.809 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.091 min

Lab File: VY015238.D

Acq: 22 Aug 2023 12:43

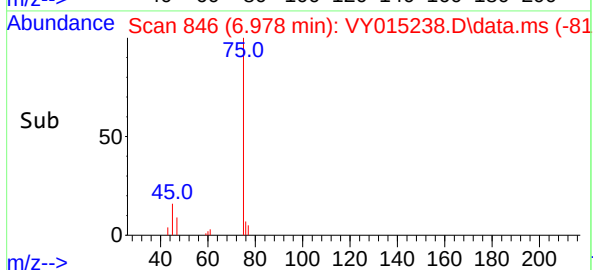
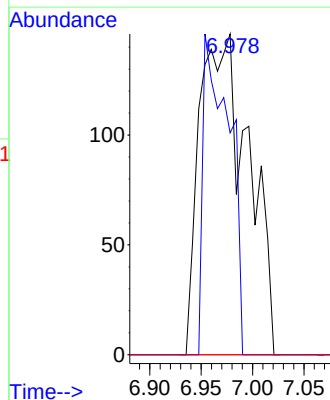
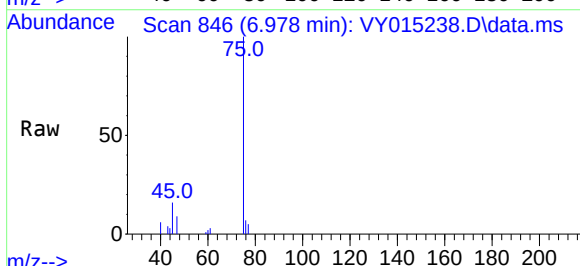
Tgt Ion: 43 Resp: 484

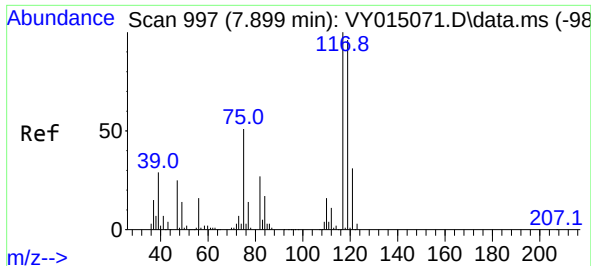
Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

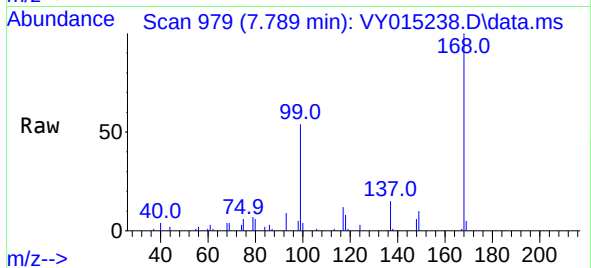
70 0.0 7.1 10.7#



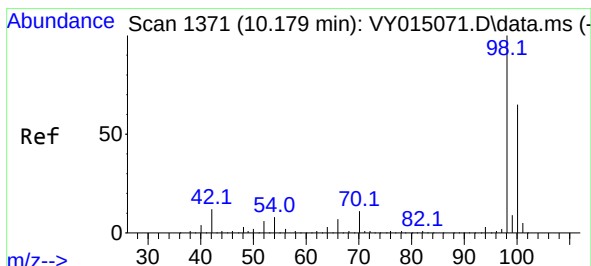
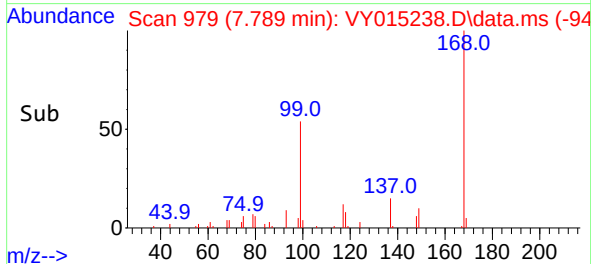
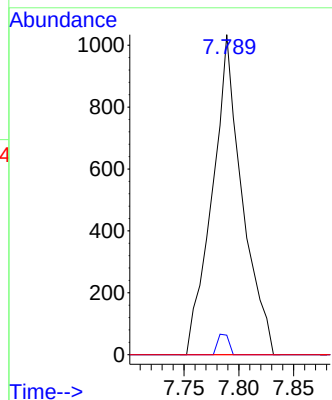


#38
Carbon Tetrachloride
Concen: 8.963 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Instrument :
MSVOA_Y
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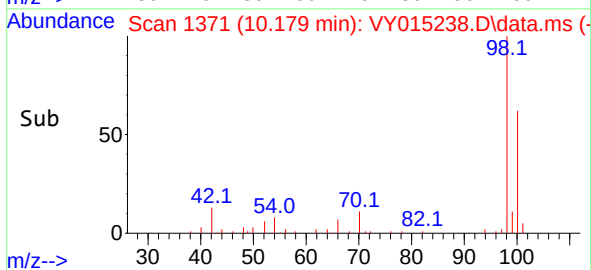
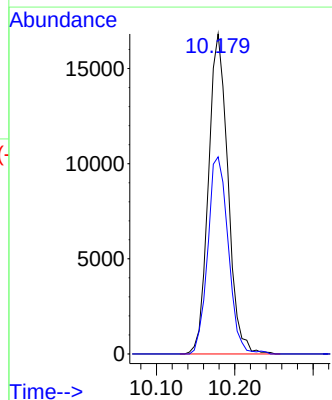
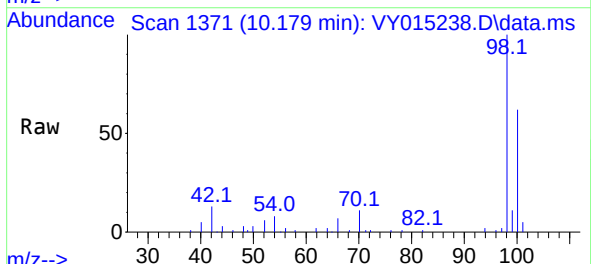


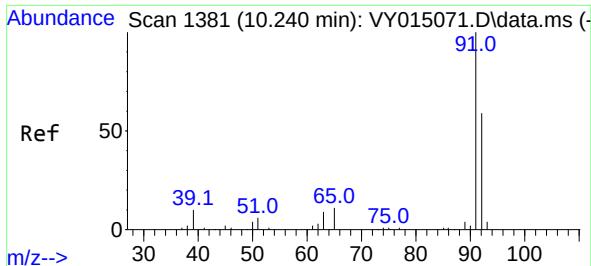
Tgt Ion:117 Resp: 1961
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.750 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Tgt Ion: 98 Resp: 29079
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1

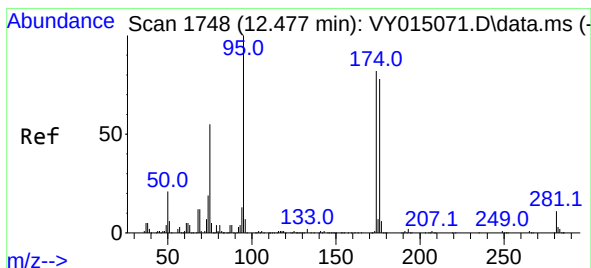
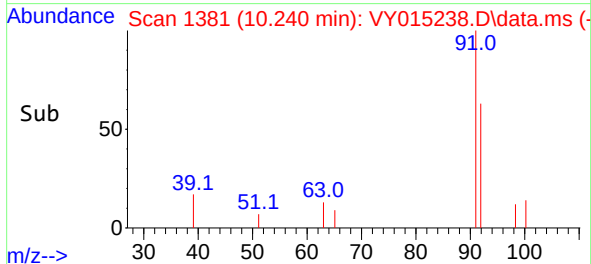
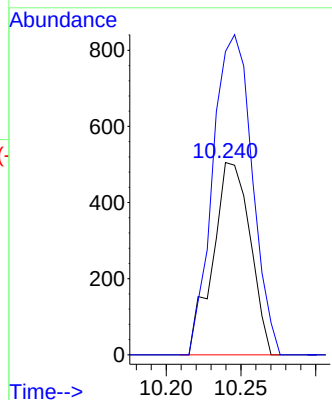
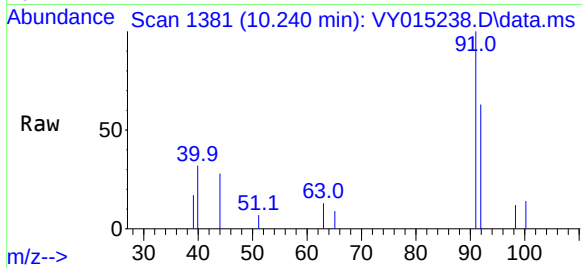




#52
Toluene
Concen: 2.378 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

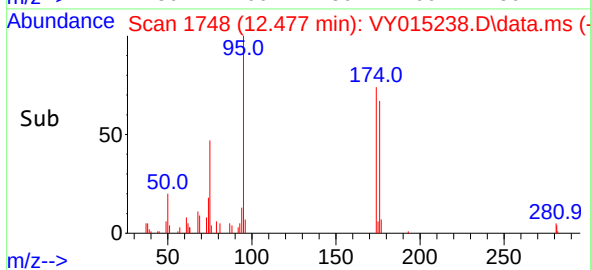
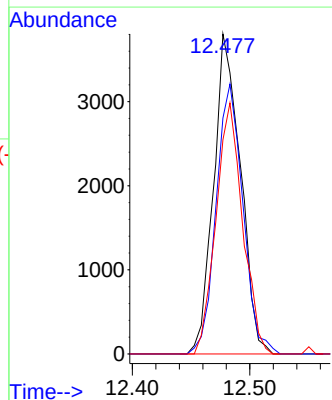
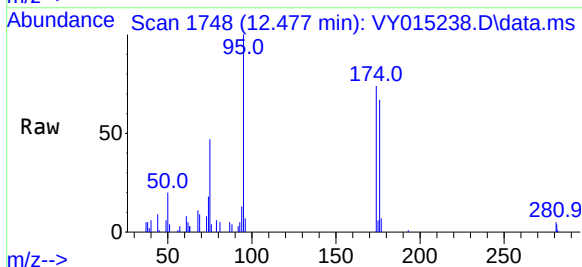
Instrument :
MSVOA_Y
ClientSampleId :
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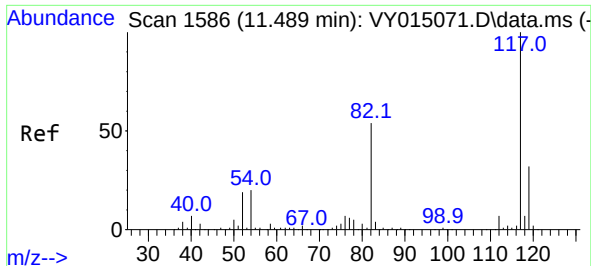
Tgt Ion: 92 Resp: 876
Ion Ratio Lower Upper
92 100
91 175.8 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 26.612 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Tgt Ion: 95 Resp: 6046
Ion Ratio Lower Upper
95 100
174 84.2 0.0 178.2
176 77.8 0.0 173.8

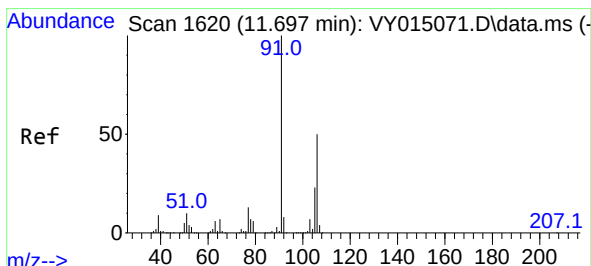
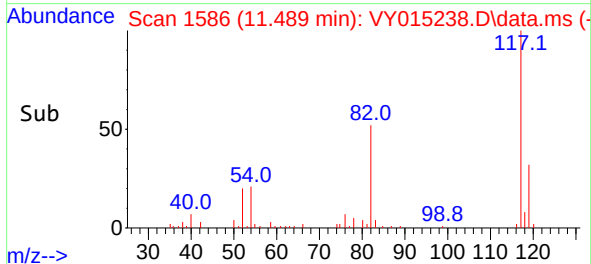
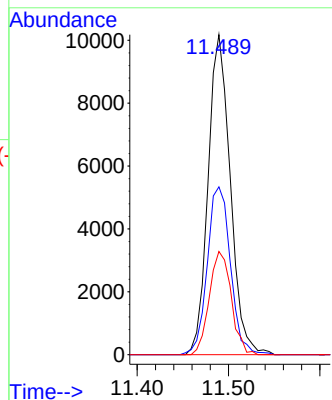
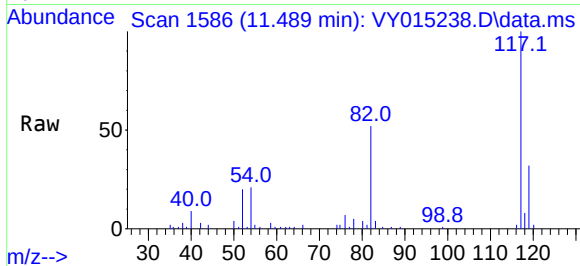




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117239
Delta R.T. 0.000 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

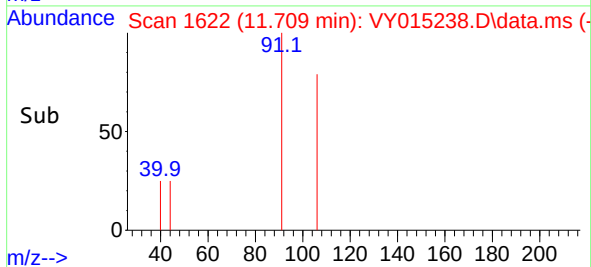
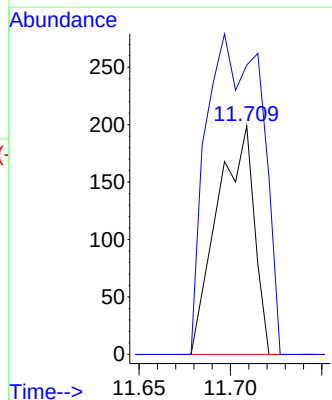
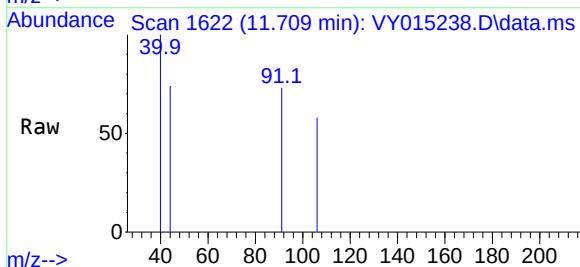
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-081823RE

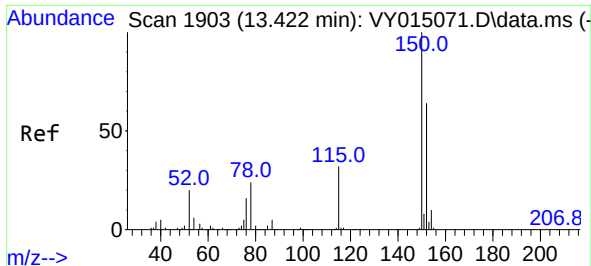
Tgt Ion:117	Resp:	17239
Ion	Ratio	Lower Upper
117	100	
82	52.5	43.4 65.0
119	32.3	26.3 39.5



#68
m/p-Xylenes
Concen: 1.330 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.012 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Tgt Ion:106	Resp:	278
Ion	Ratio	Lower Upper
106	100	
91	210.1	166.1 249.1

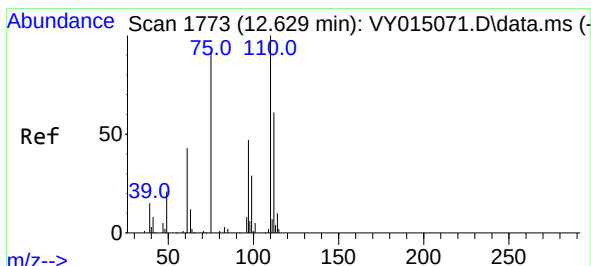
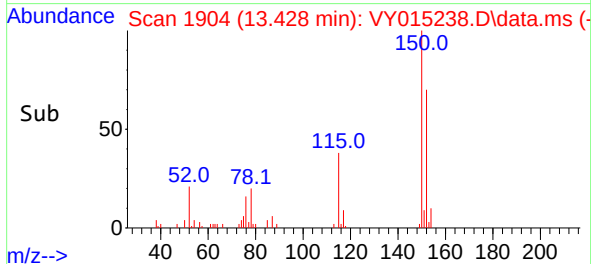
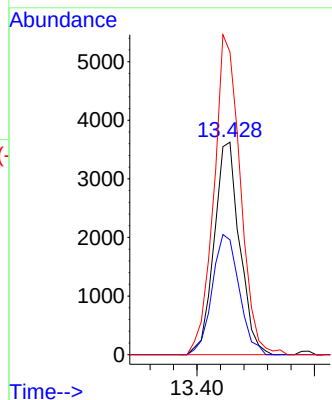
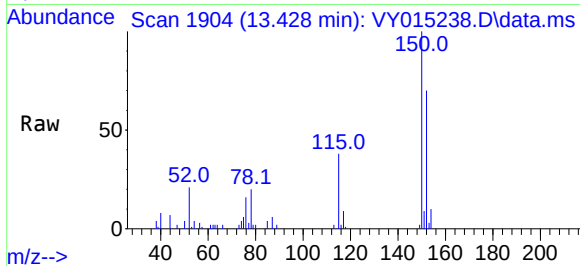




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

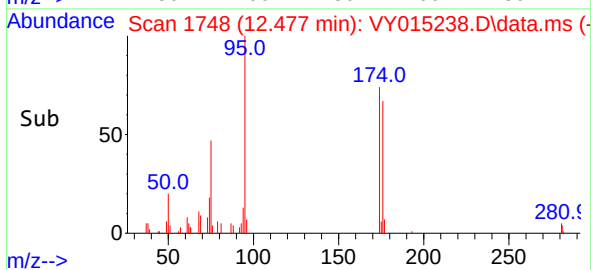
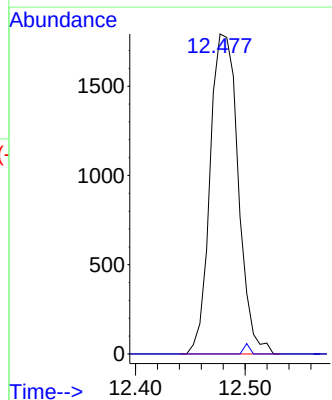
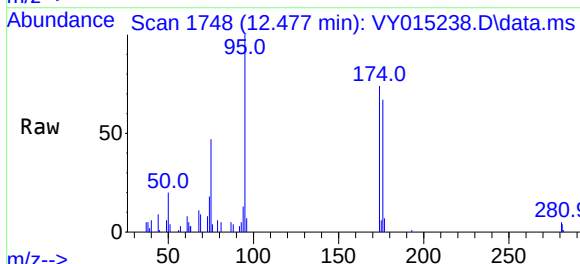
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-081823RE

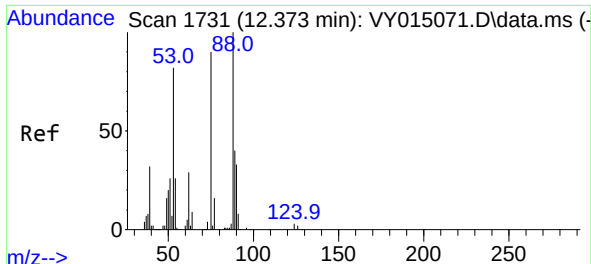
Tgt Ion:152 Resp: 5463
Ion Ratio Lower Upper
152 100
115 59.9 28.8 86.5
150 155.6 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 48.093 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Tgt Ion: 75 Resp: 3192
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

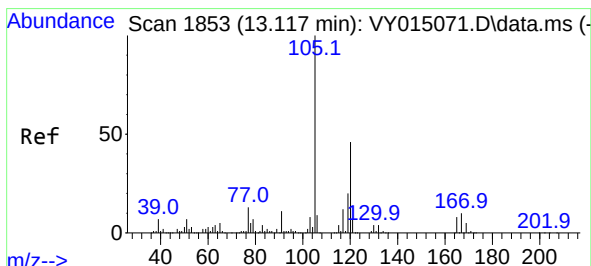
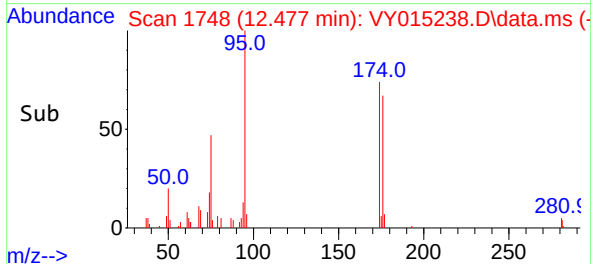
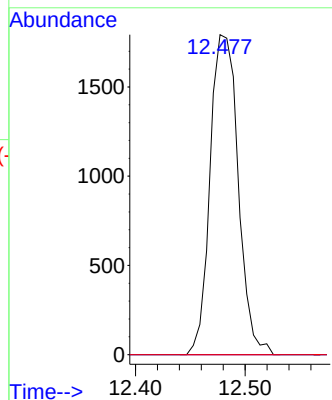
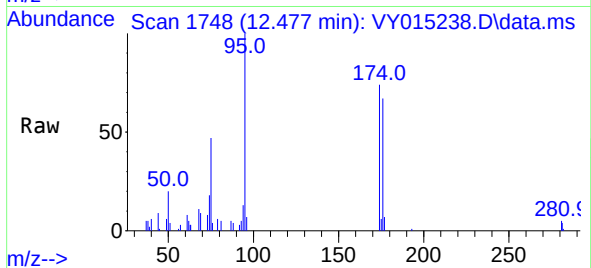




#81
trans-1,4-Dichloro-2-butene
Concen: 105.635 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

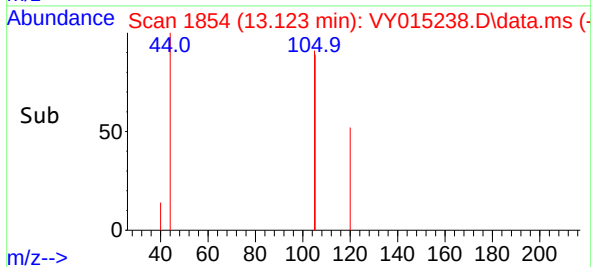
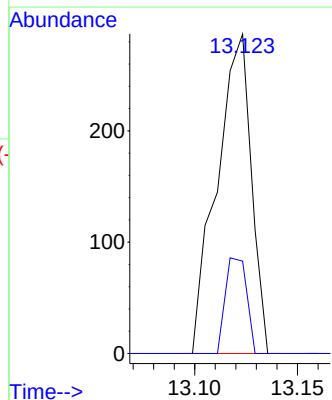
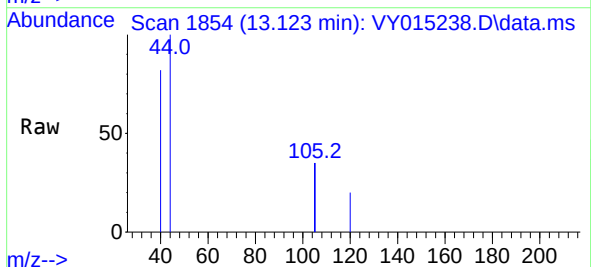
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-081823RE

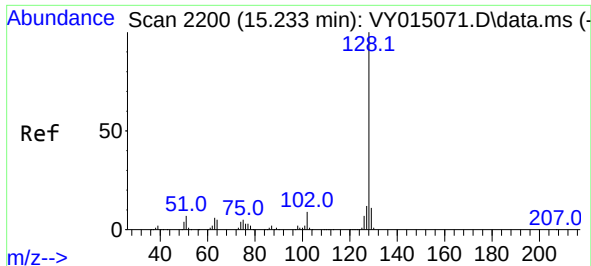
Tgt Ion: 75 Resp: 3192
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.141 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

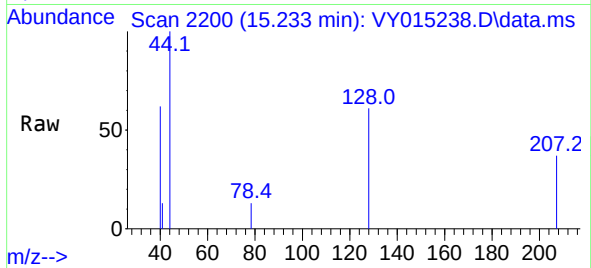
Tgt Ion: 105 Resp: 334
Ion Ratio Lower Upper
105 100
120 18.6 22.2 66.6#





#95
Naphthalene
Concen: 2.231 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015238.D
Acq: 22 Aug 2023 12:43

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-081823RE



Tgt Ion:128 Resp: 566
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.6 13.0#

