

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011785.D
 Acq On : 13 Dec 2022 12:02
 Operator : KP/MD
 Sample : N6022-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-121222

Quant Time: Dec 13 22:17:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

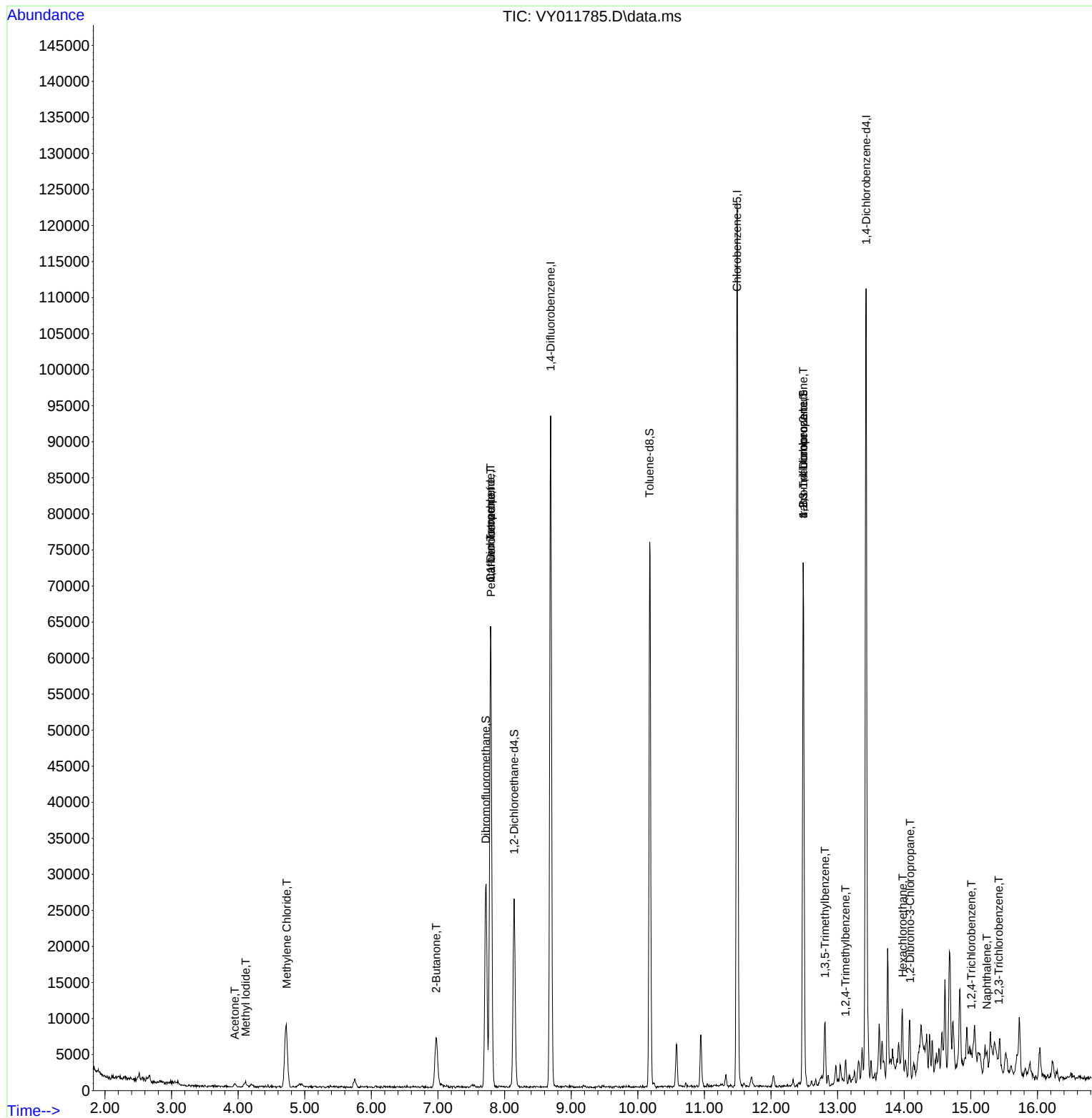
Internal Standards						
1) Pentafluorobenzene	7.795	168	50118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	81002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	70317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	28849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	20692	61.617	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.240%			
35) Dibromofluoromethane	7.716	113	20022	56.109	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.220%			
50) Toluene-d8	10.179	98	51255	42.435	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 84.860%			
62) 4-Bromofluorobenzene	12.483	95	18764	38.945	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.880%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	226	Below Cal		92
4) Vinyl Chloride	2.509	62	20	Below Cal	#	43
5) Bromomethane	2.674	94	405	Below Cal		95
10) Methyl Iodide	4.113	142	1157	2.403 ug/l	#	74
11) Tert butyl alcohol	4.936	59	579	Below Cal	#	74
16) Acetone	3.948	43	765	5.590 ug/l	#	81
18) Methyl Acetate	4.223	43	19	Below Cal	#	50
20) Methylene Chloride	4.729	84	6670	8.858 ug/l		86
25) 2-Butanone	6.972	43	260	1.477 ug/l	#	46
31) Cyclohexane	7.783	56	1065	Below Cal	#	42
36) 1,1-Dichloropropene	7.789	75	3846	6.257 ug/l	#	48
38) Carbon Tetrachloride	7.789	117	5057	7.004 ug/l	#	17
76) 1,2,3-Trichloropropane	12.483	75	9645	33.045 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.812	105	1632	1.033 ug/l		96
81) trans-1,4-Dichloro-2-b...	12.483	75	9645	74.985 ug/l	#	13
84) 1,2,4-Trimethylbenzene	13.117	105	1938	1.246 ug/l		95
90) Hexachloroethane	13.977	117	422	1.245 ug/l	#	9
92) 1,2-Dibromo-3-Chloropr...	14.087	75	65	1.024 ug/l	#	1
93) 1,2,4-Trichlorobenzene	15.007	180	583	1.265 ug/l	#	79
95) Naphthalene	15.239	128	1751	1.961 ug/l		97
96) 1,2,3-Trichlorobenzene	15.422	180	752	1.889 ug/l	#	44

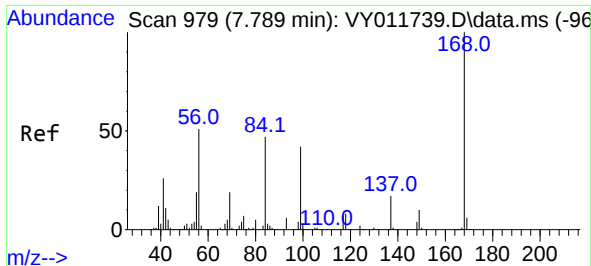
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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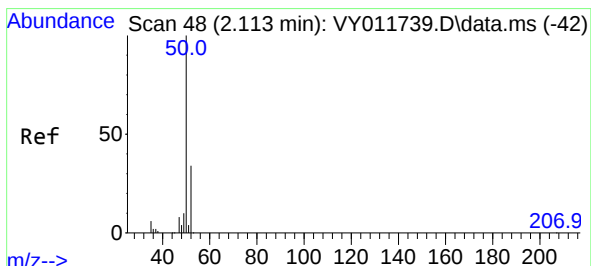
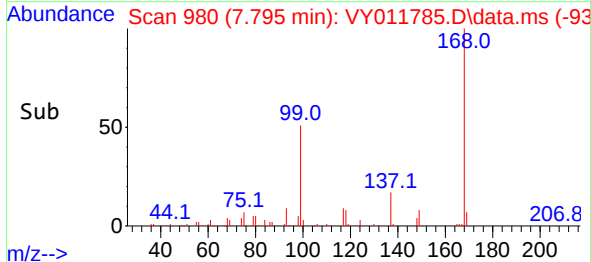
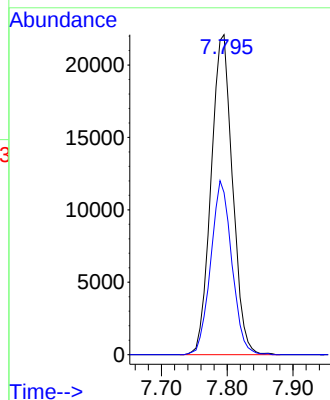
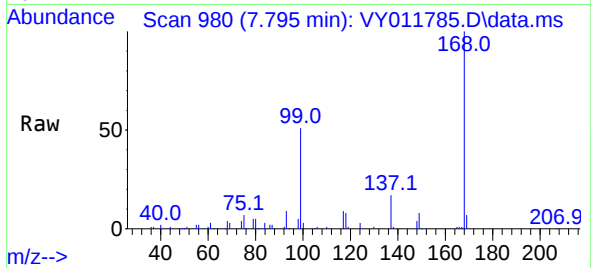




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

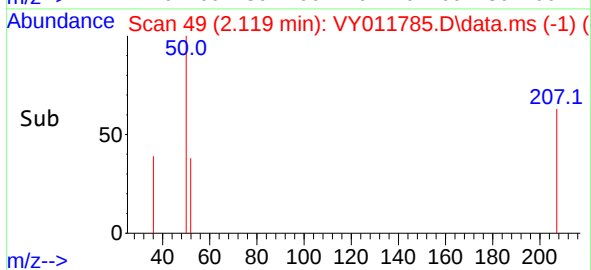
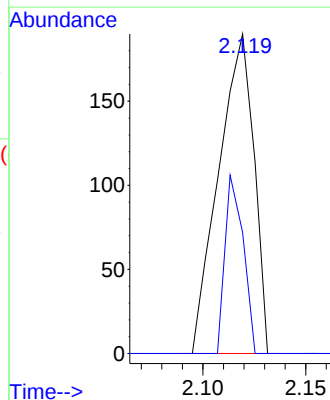
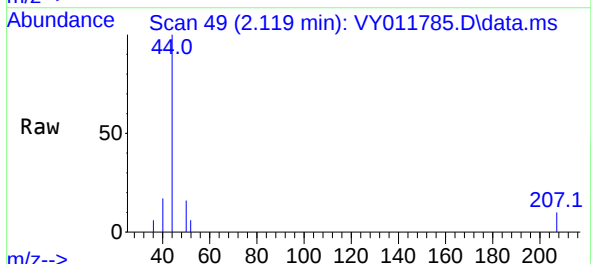
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

Tgt Ion:168 Resp: 50118
Ion Ratio Lower Upper
168 100
99 50.6 44.0 66.0

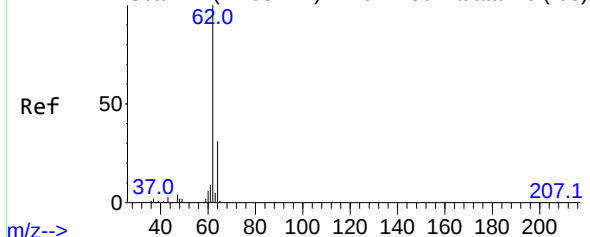


#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion: 50 Resp: 226
Ion Ratio Lower Upper
50 100
52 37.9 26.8 40.2



Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.509 min Scan# 113

Delta R.T. 0.256 min

Lab File: VY011785.D

Acq: 13 Dec 2022 12:02

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-121222

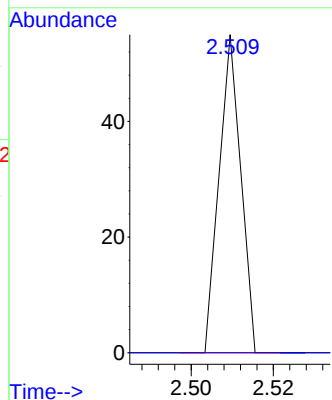
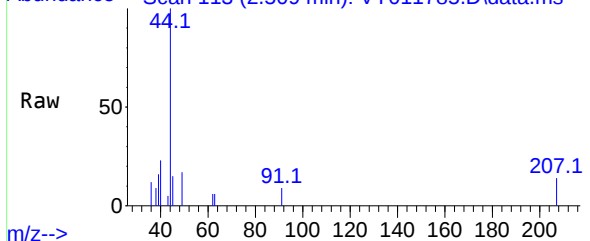
Tgt Ion: 62 Resp: 20

Ion Ratio Lower Upper

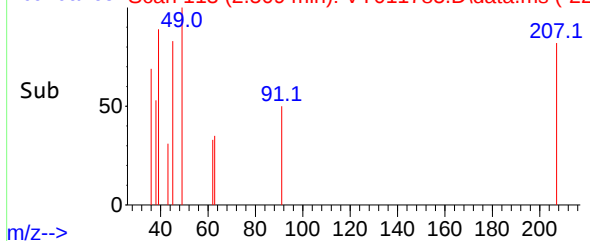
62 100

64 0.0 25.0 37.6#

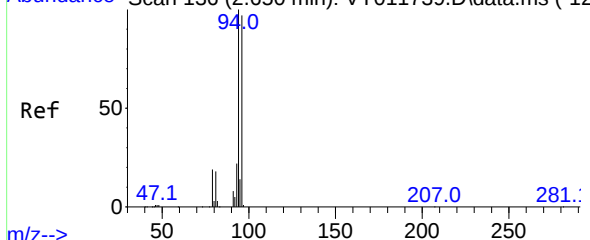
Abundance Scan 113 (2.509 min): VY011785.D\data.ms



Abundance Scan 113 (2.509 min): VY011785.D\data.ms (-22)



Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.674 min Scan# 140

Delta R.T. 0.024 min

Lab File: VY011785.D

Acq: 13 Dec 2022 12:02

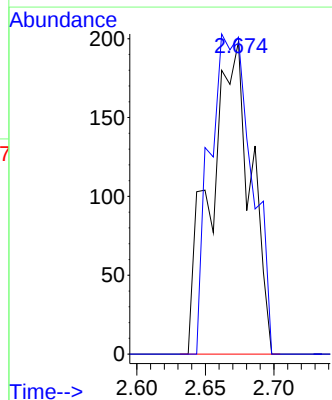
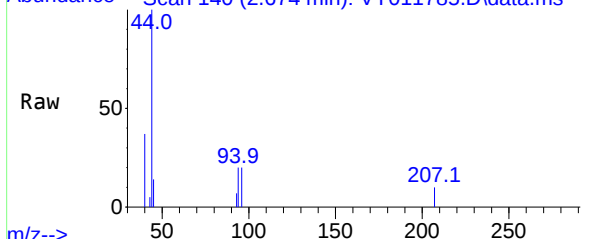
Tgt Ion: 94 Resp: 405

Ion Ratio Lower Upper

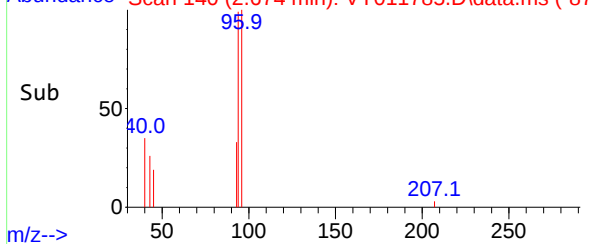
94 100

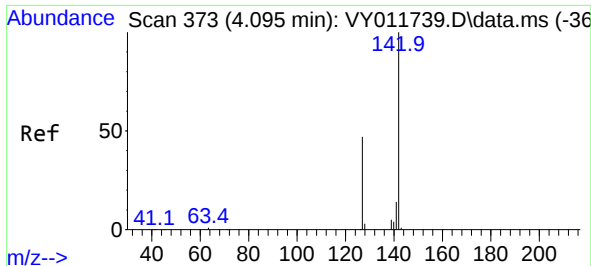
96 101.5 77.4 116.2

Abundance Scan 140 (2.674 min): VY011785.D\data.ms



Abundance Scan 140 (2.674 min): VY011785.D\data.ms (-87)

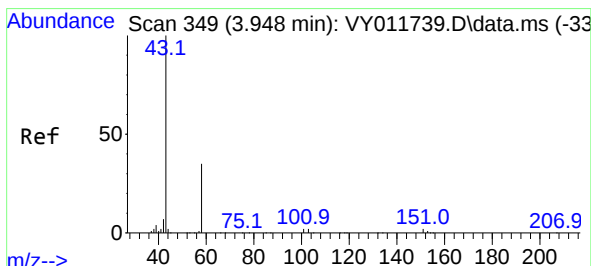
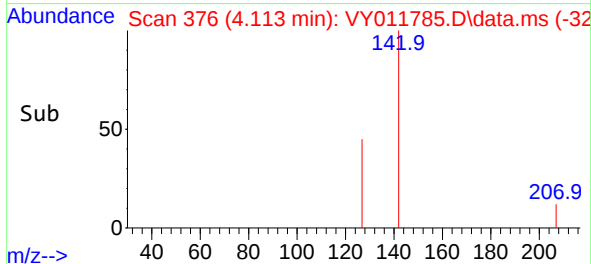
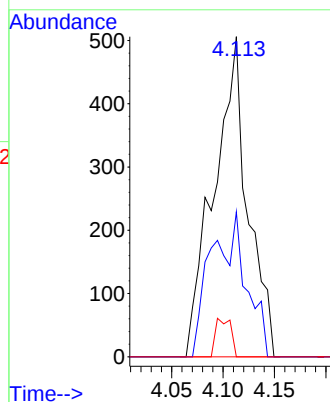
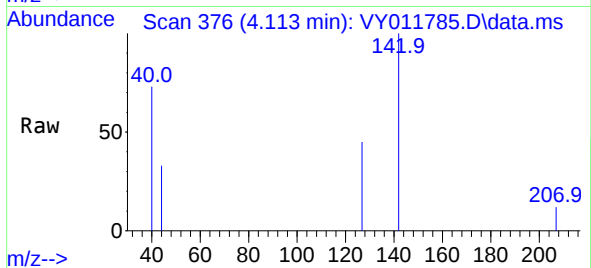




#10
Methyl Iodide
Concen: 2.403 ug/l
RT: 4.113 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

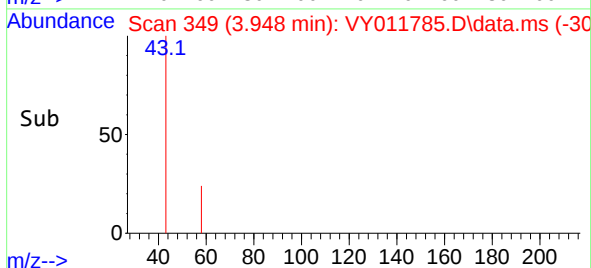
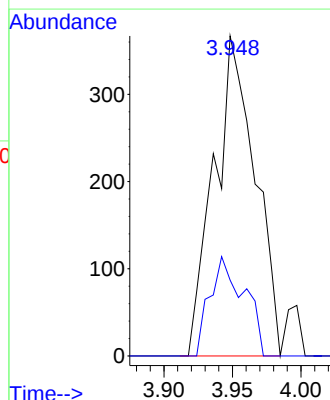
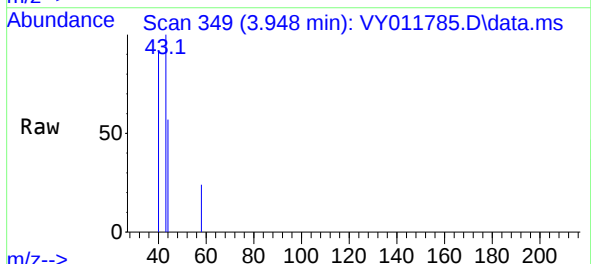
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

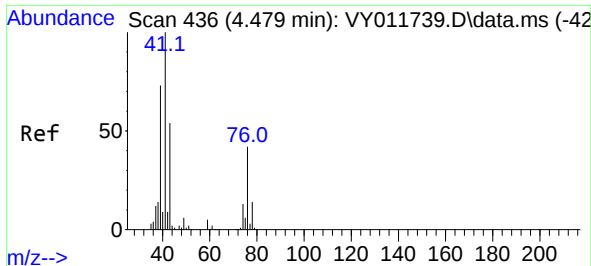
Tgt Ion:142 Resp: 1157
Ion Ratio Lower Upper
142 100
127 27.7 37.0 55.4#
141 5.4 11.4 17.0#



#16
Acetone
Concen: 5.590 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 23.7 27.9 41.9#

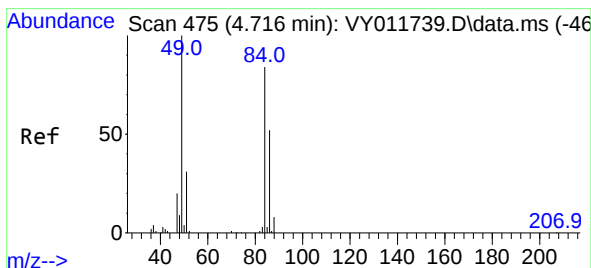
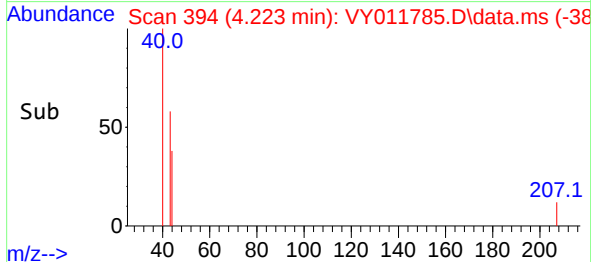
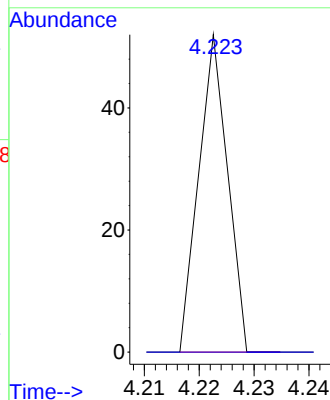
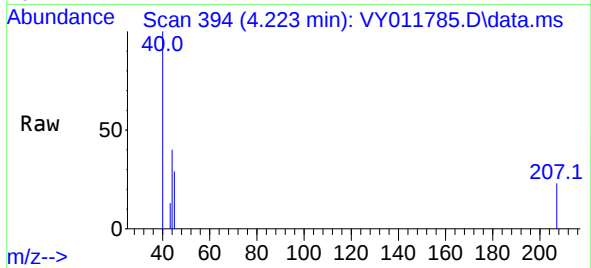




#18
Methyl Acetate
Concen: Below Cal
RT: 4.223 min Scan# 394
Delta R.T. -0.256 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

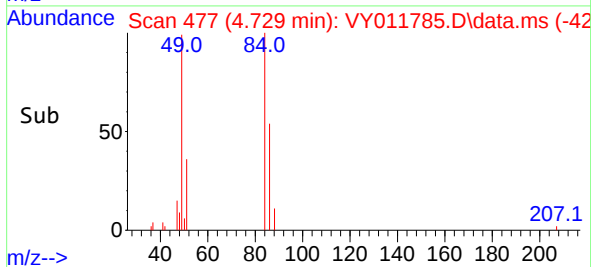
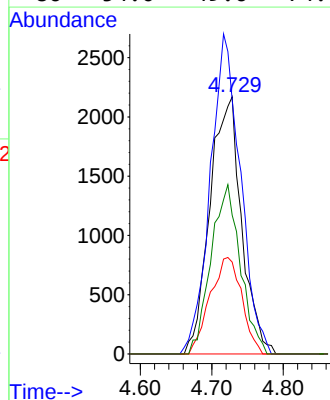
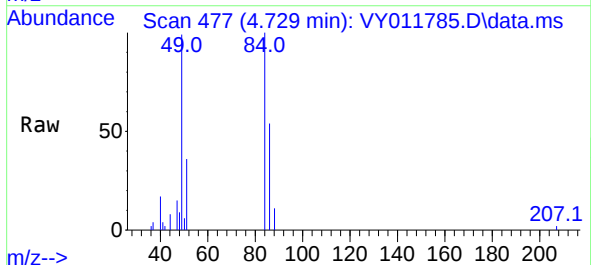
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

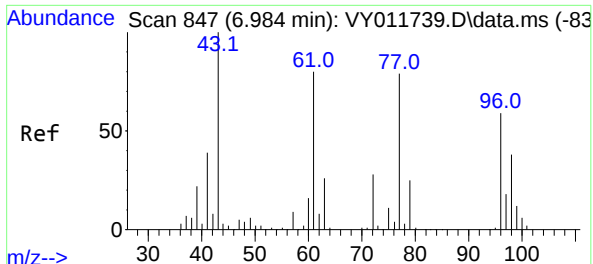
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 8.858 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion: 84 Resp: 6670
Ion Ratio Lower Upper
84 100
49 98.8 95.4 143.2
51 35.7 29.9 44.9
86 54.0 49.6 74.4





#25

2-Butanone

Concen: 1.477 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011785.D

Acq: 13 Dec 2022 12:02

Instrument :

MSVOA_Y

ClientSampleId :

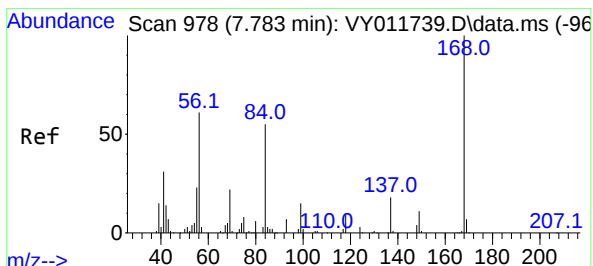
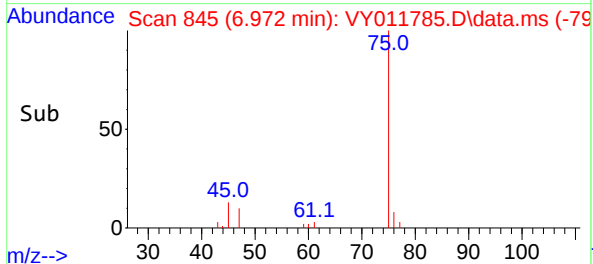
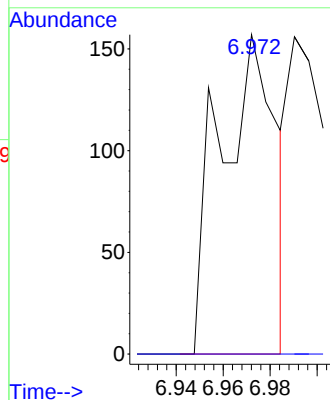
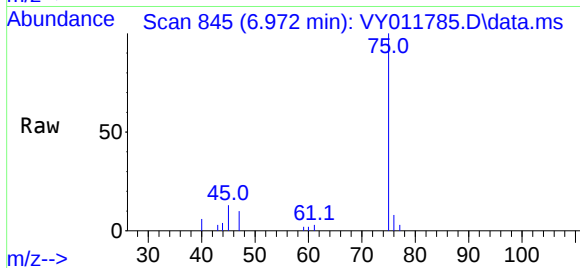
EO-01-121222

Tgt Ion: 43 Resp: 260

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY011785.D

Acq: 13 Dec 2022 12:02

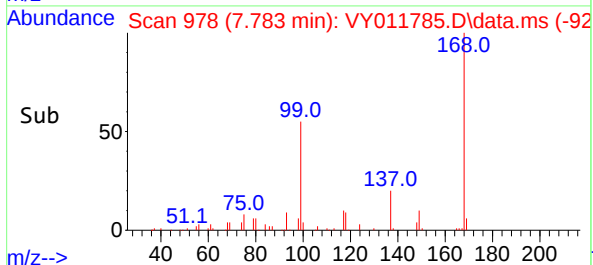
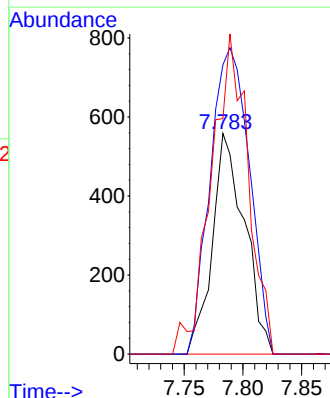
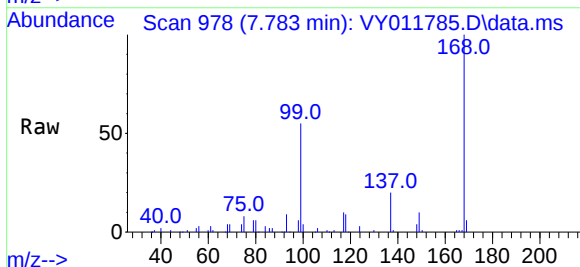
Tgt Ion: 56 Resp: 1065

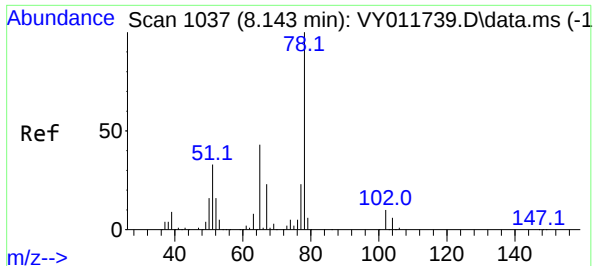
Ion Ratio Lower Upper

56 100

69 131.2 29.2 43.8#

84 106.8 72.6 108.8

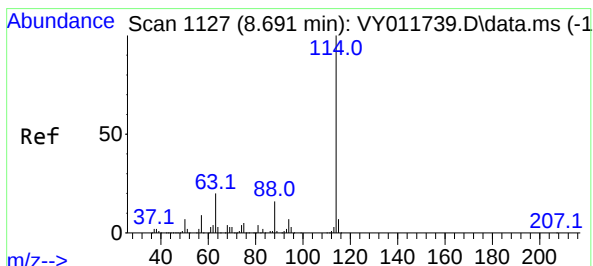
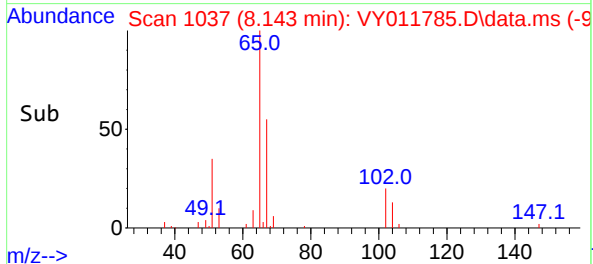
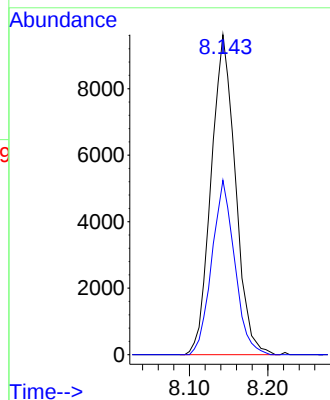
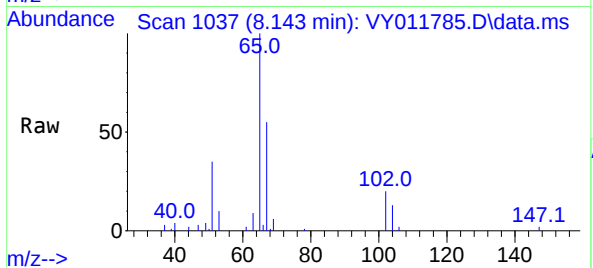




#33
1,2-Dichloroethane-d4
Concen: 61.617 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

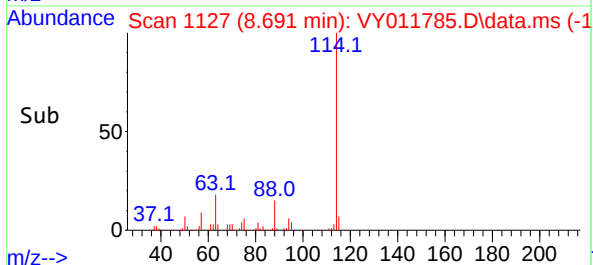
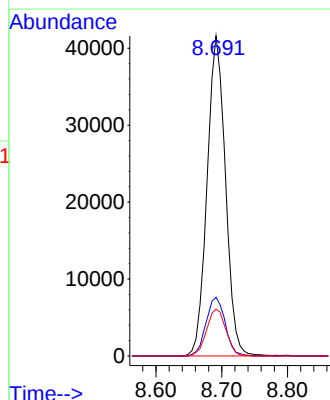
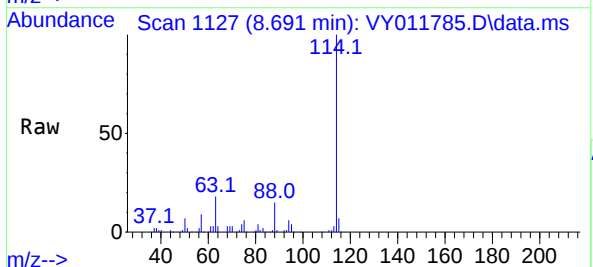
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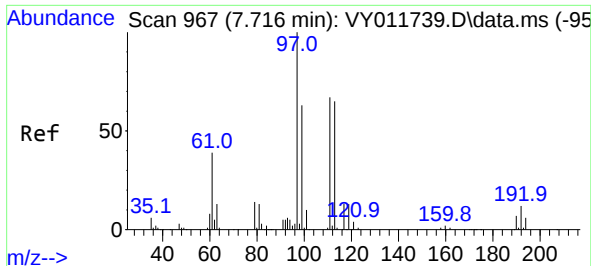
Tgt Ion: 65 Resp: 20692
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion: 114 Resp: 81002
Ion Ratio Lower Upper
114 100
63 18.4 0.0 39.6
88 14.6 0.0 32.2

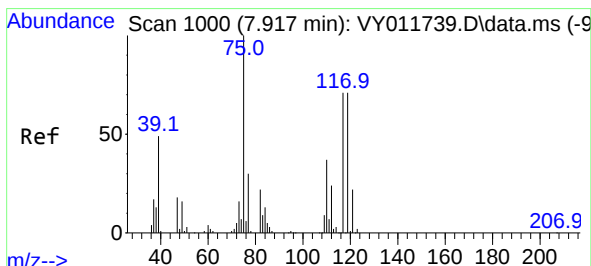
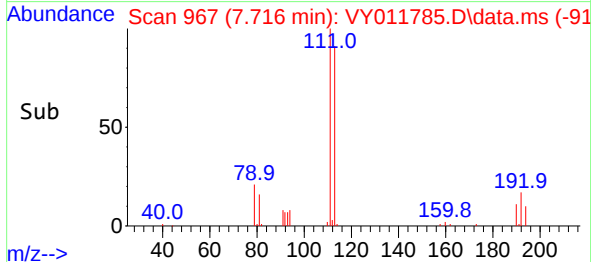
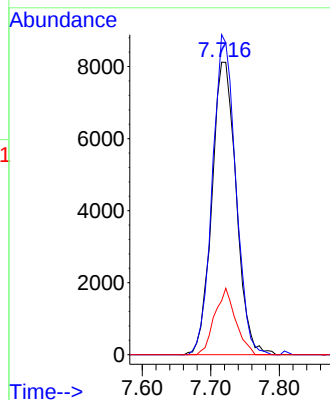
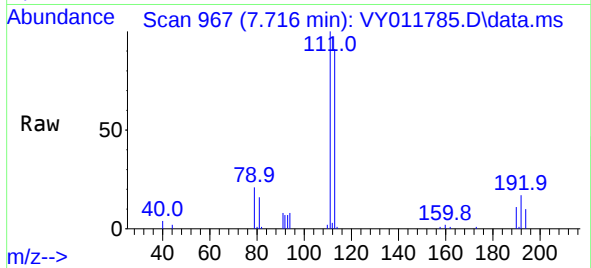




#35
Dibromofluoromethane
Concen: 56.109 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

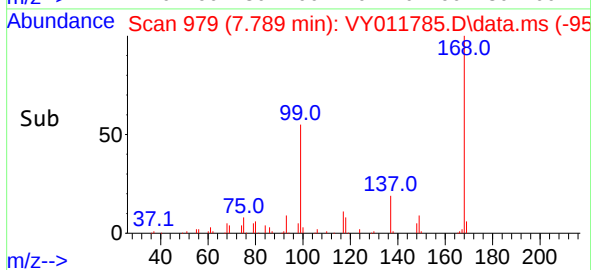
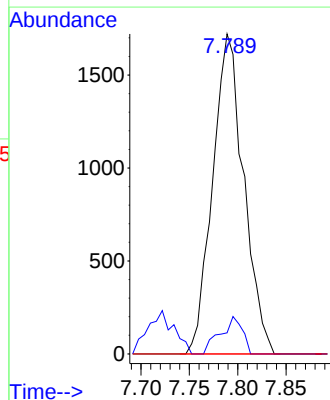
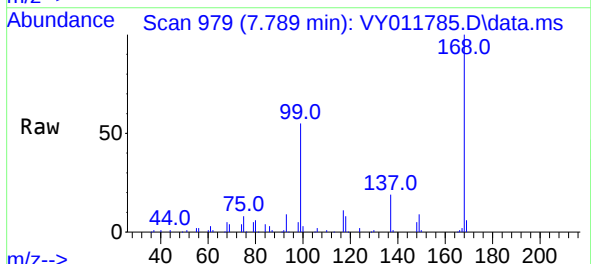
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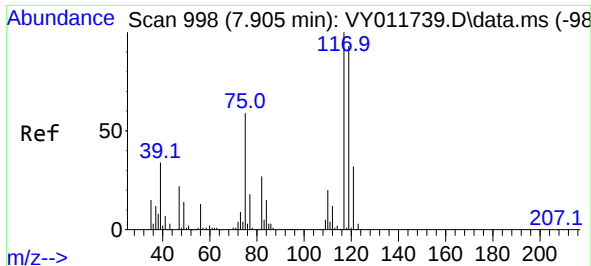
Tgt Ion:	113	Resp:	20022
Ion	Ratio	Lower	Upper
113	100		
111	104.5	83.0	124.4
192	19.6	16.0	24.0



#36
1,1-Dichloropropene
Concen: 6.257 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

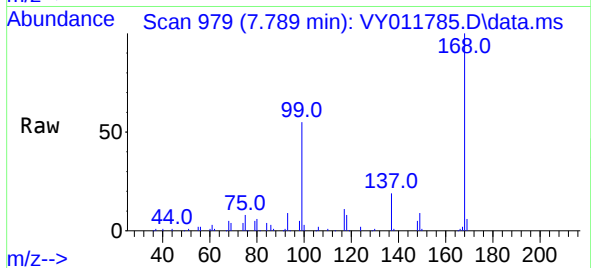
Tgt Ion:	75	Resp:	3846
Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.1#
77	0.0	25.1	37.7#



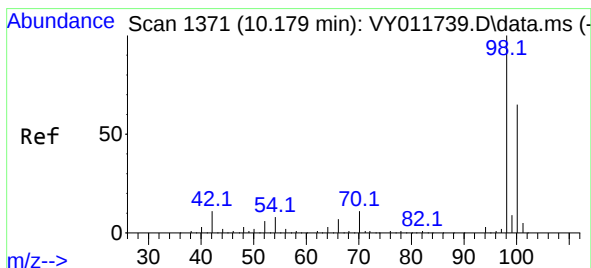
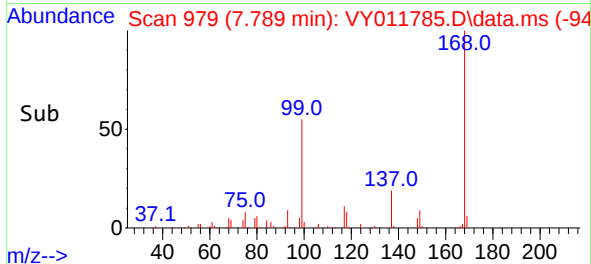
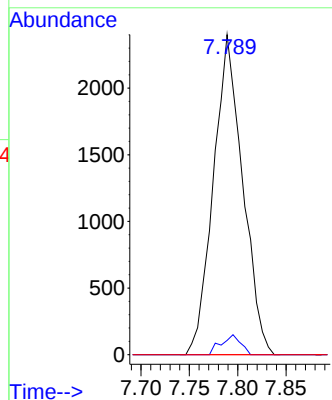


#38
Carbon Tetrachloride
Concen: 7.004 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

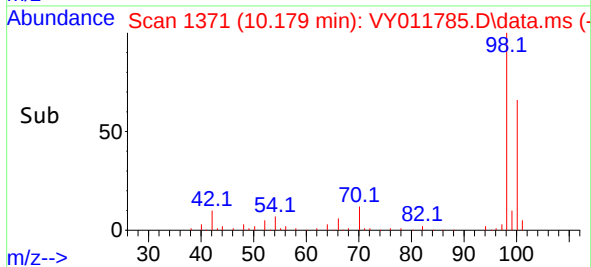
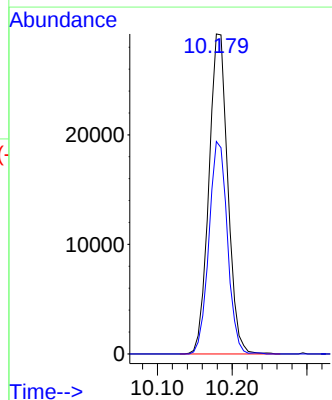
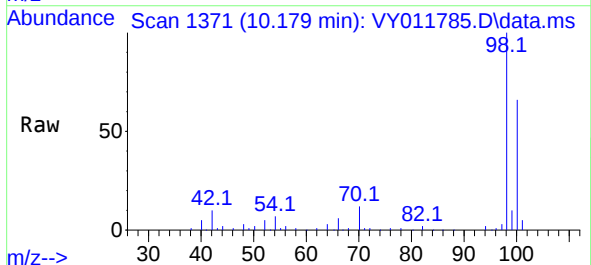


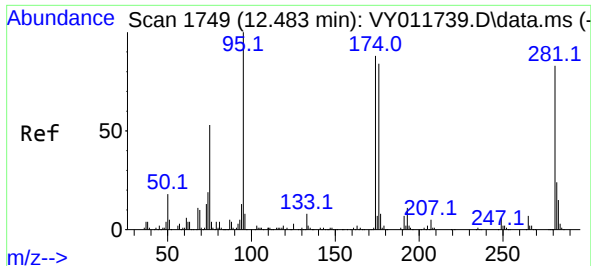
Tgt Ion:117 Resp: 5057
Ion Ratio Lower Upper
117 100
119 4.5 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 42.435 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion: 98 Resp: 51255
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

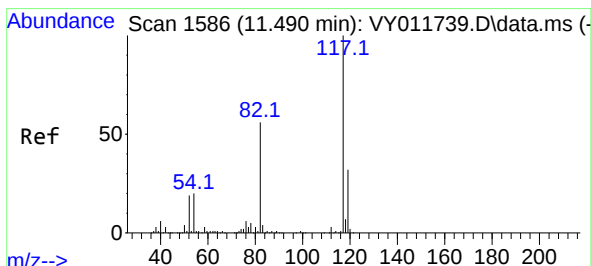
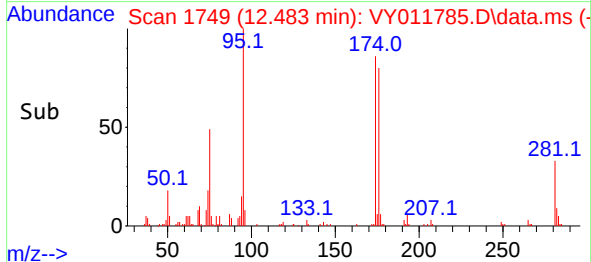
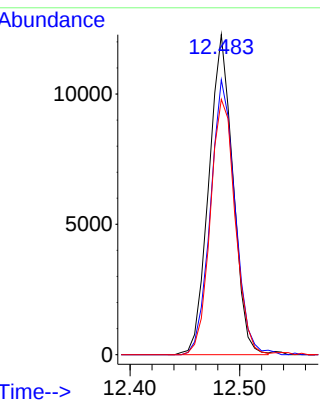
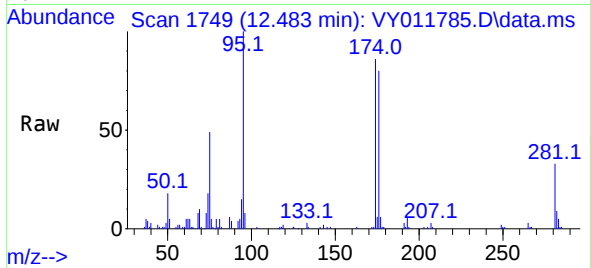




#62
4-Bromofluorobenzene
Concen: 38.945 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

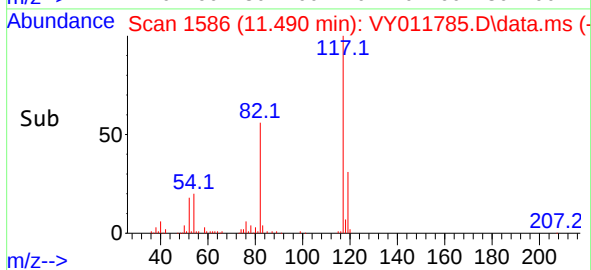
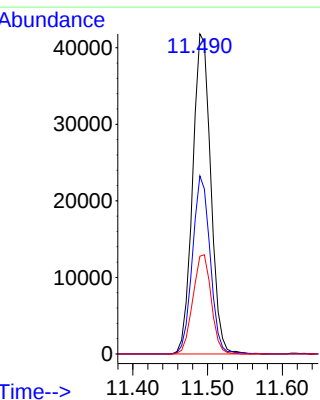
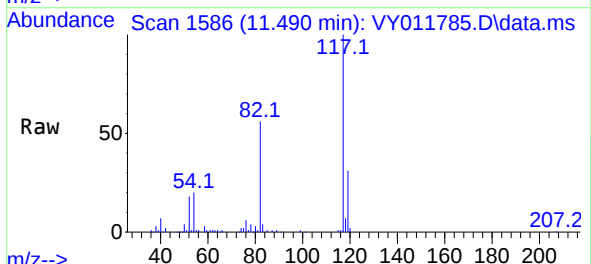
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

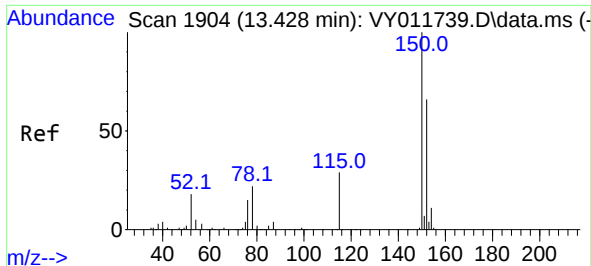
Tgt Ion:	95	Resp:	18764
Ion	Ratio	Lower	Upper
95	100		
174	87.6	0.0	172.0
176	82.3	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion:	117	Resp:	70317
Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.8	67.2
119	30.6	25.4	38.2

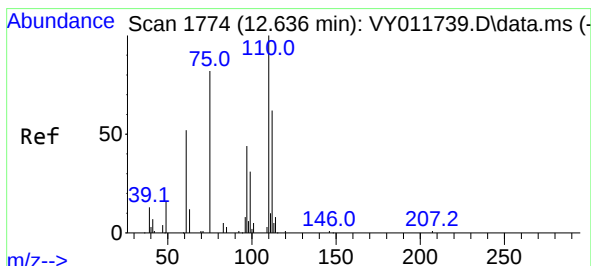
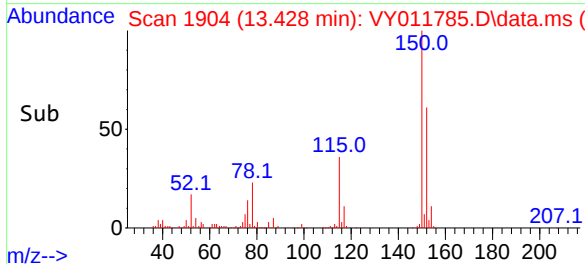
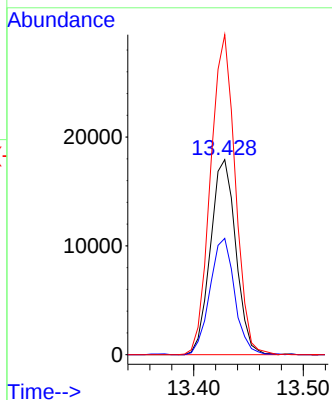
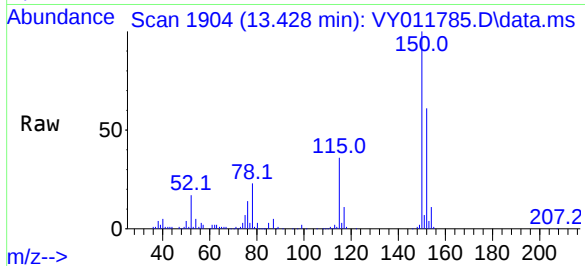




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

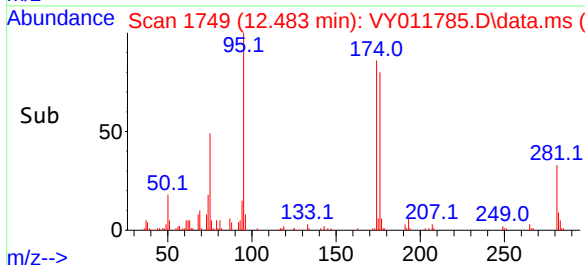
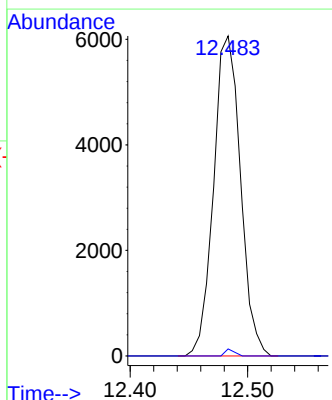
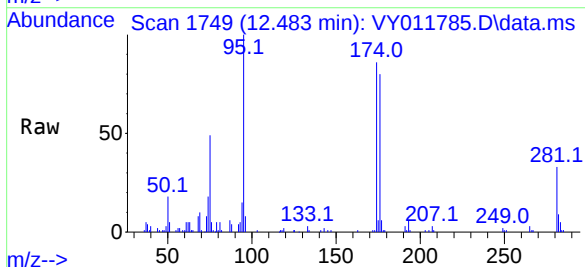
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

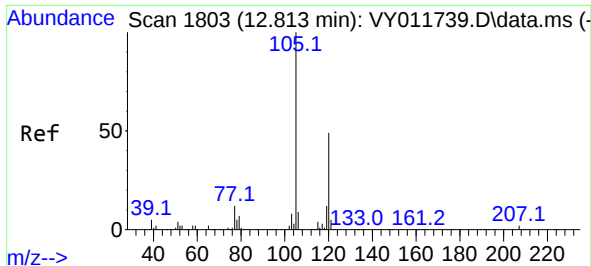
Tgt Ion:152 Resp: 28849
Ion Ratio Lower Upper
152 100
115 58.3 29.1 87.3
150 159.8 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 33.045 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion: 75 Resp: 9645
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

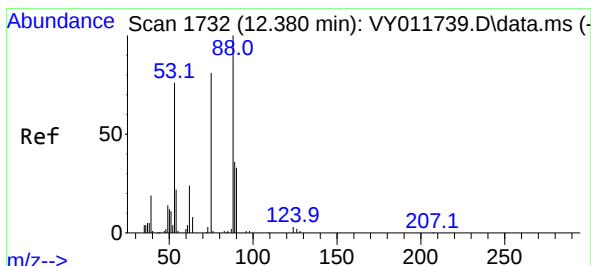
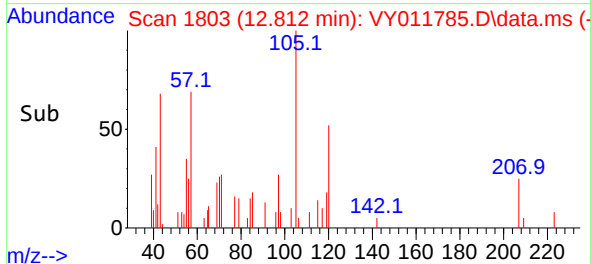
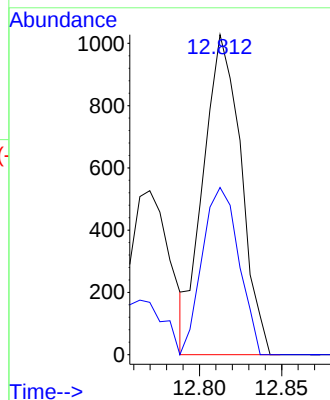
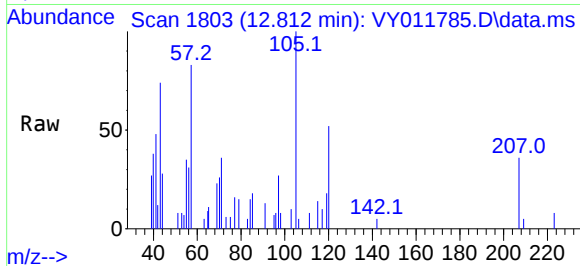




#80
1,3,5-Trimethylbenzene
Concen: 1.033 ug/l
RT: 12.812 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

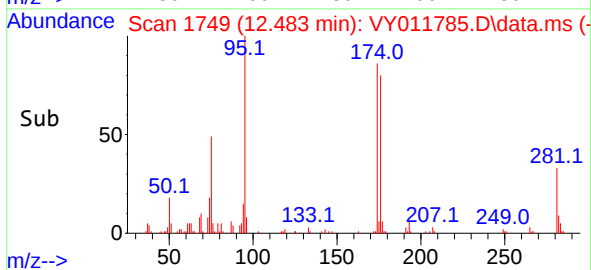
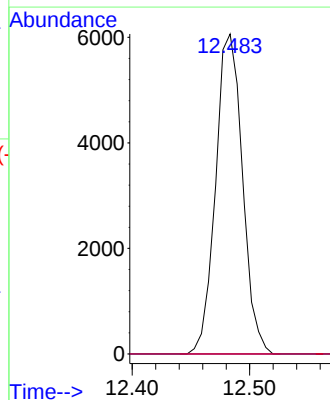
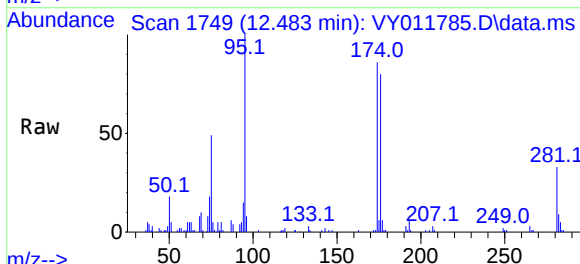
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

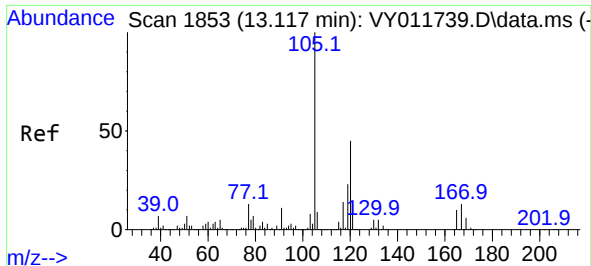
Tgt Ion:105 Resp: 1632
Ion Ratio Lower Upper
105 100
120 50.9 24.2 72.6



#81
trans-1,4-Dichloro-2-butene
Concen: 74.985 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion: 75 Resp: 9645
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

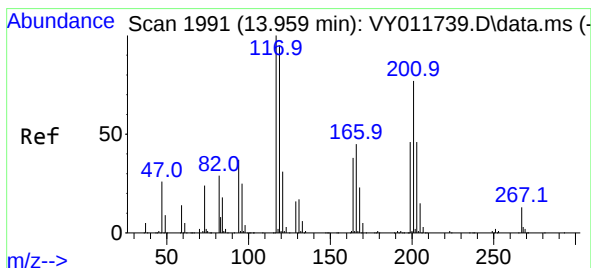
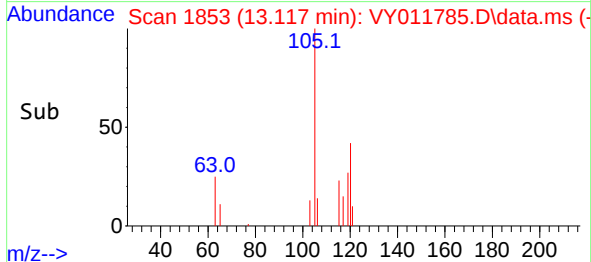
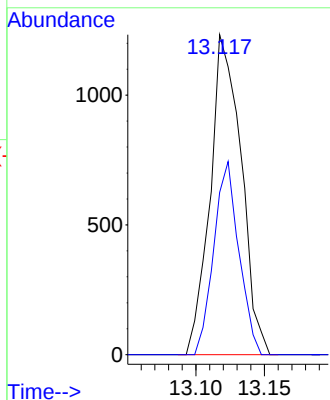
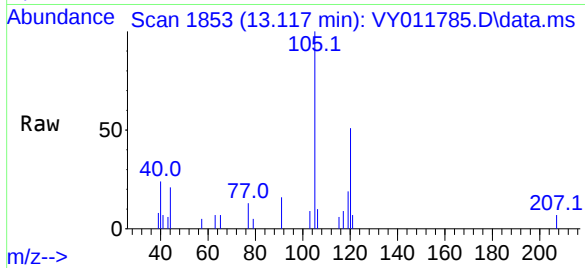




#84
1,2,4-Trimethylbenzene
Concen: 1.246 ug/l
RT: 13.117 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

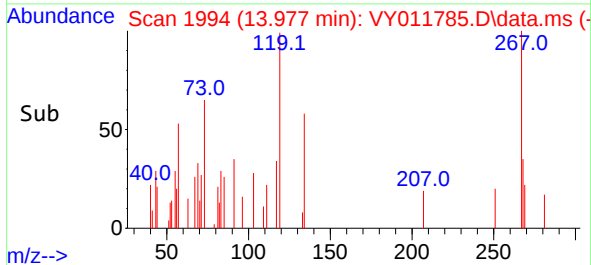
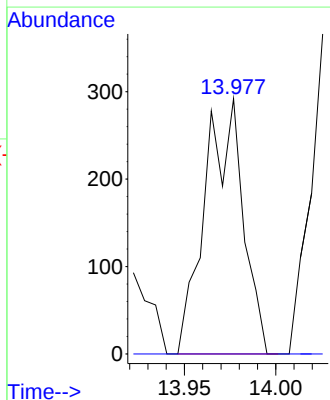
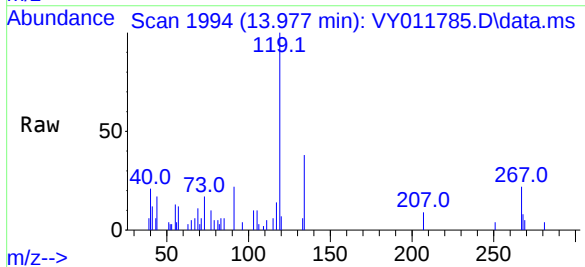
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

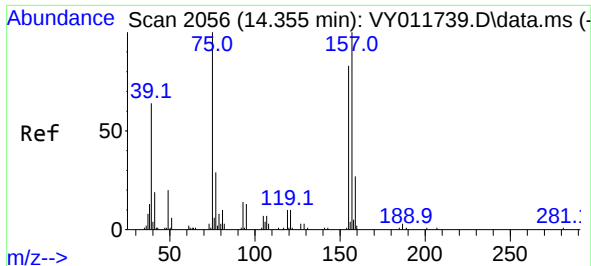
Tgt Ion:105 Resp: 1938
Ion Ratio Lower Upper
105 100
120 48.8 22.9 68.7



#90
Hexachloroethane
Concen: 1.245 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion:117 Resp: 422
Ion Ratio Lower Upper
117 100
201 0.0 40.3 120.8#

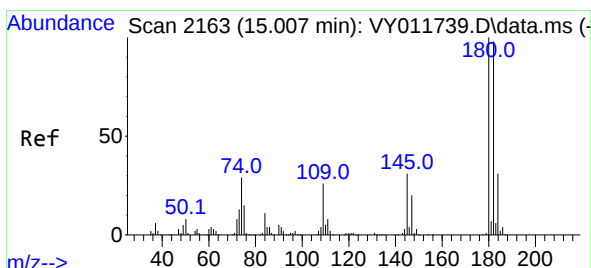
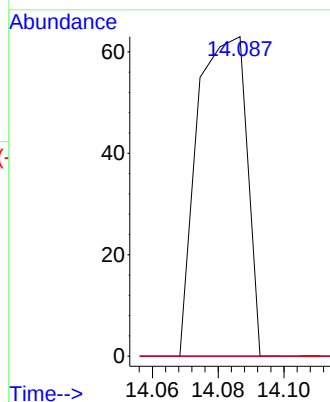
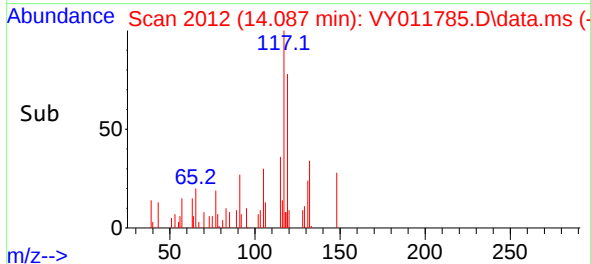
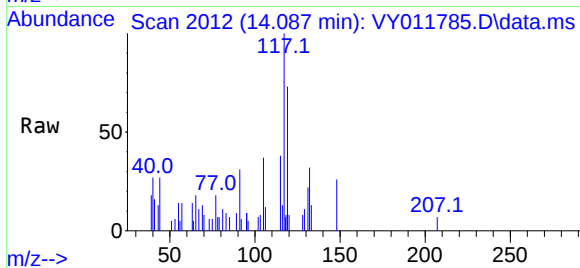




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.024 ug/l
RT: 14.087 min Scan# 2056
Delta R.T. -0.268 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

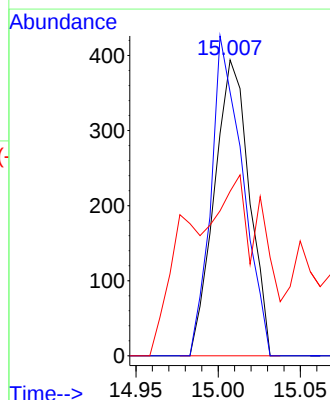
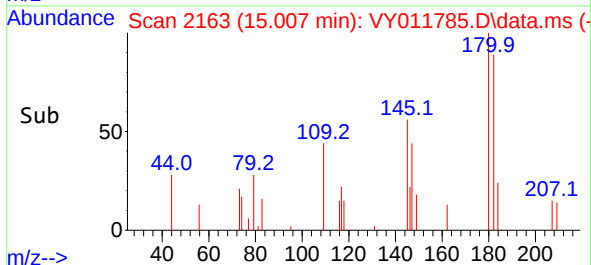
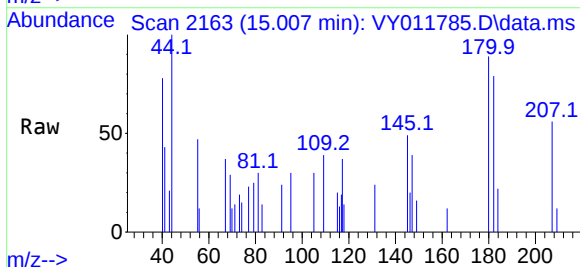
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

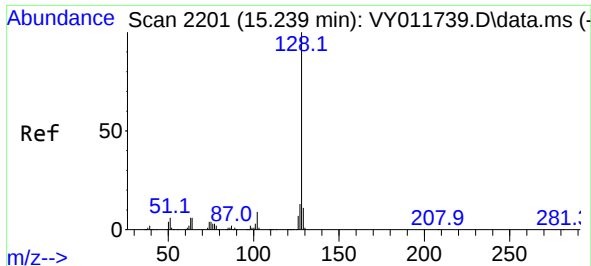
Tgt Ion: 75 Resp: 65
Ion Ratio Lower Upper
75 100
155 0.0 42.3 126.8#
157 0.0 54.4 163.3#



#93
1,2,4-Trichlorobenzene
Concen: 1.265 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion:180 Resp: 583
Ion Ratio Lower Upper
180 100
182 97.8 48.1 144.3
145 74.6 15.4 46.4#

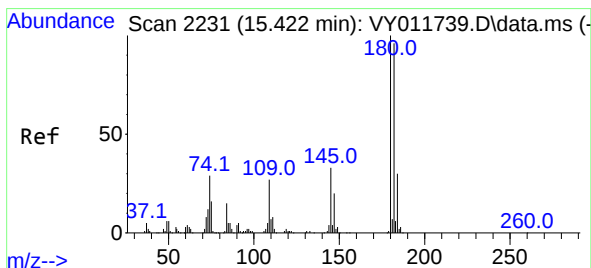
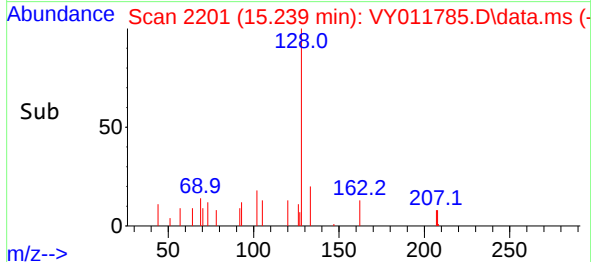
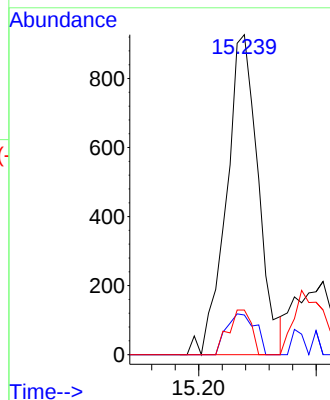
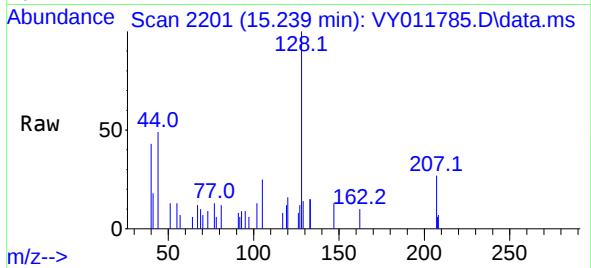




#95
Naphthalene
Concen: 1.961 ug/l
RT: 15.239 min Scan# 211
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-121222

Tgt Ion:128 Resp: 1751
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.2
129 10.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.889 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY011785.D
Acq: 13 Dec 2022 12:02

Tgt Ion:180 Resp: 752
Ion Ratio Lower Upper
180 100
182 68.6 47.9 143.7
145 110.0 16.1 48.2#

