

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019543.D
 Acq On : 13 Sep 2024 16:45
 Operator : SY/MD
 Sample : P3979-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-091224

Quant Time: Sep 13 23:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

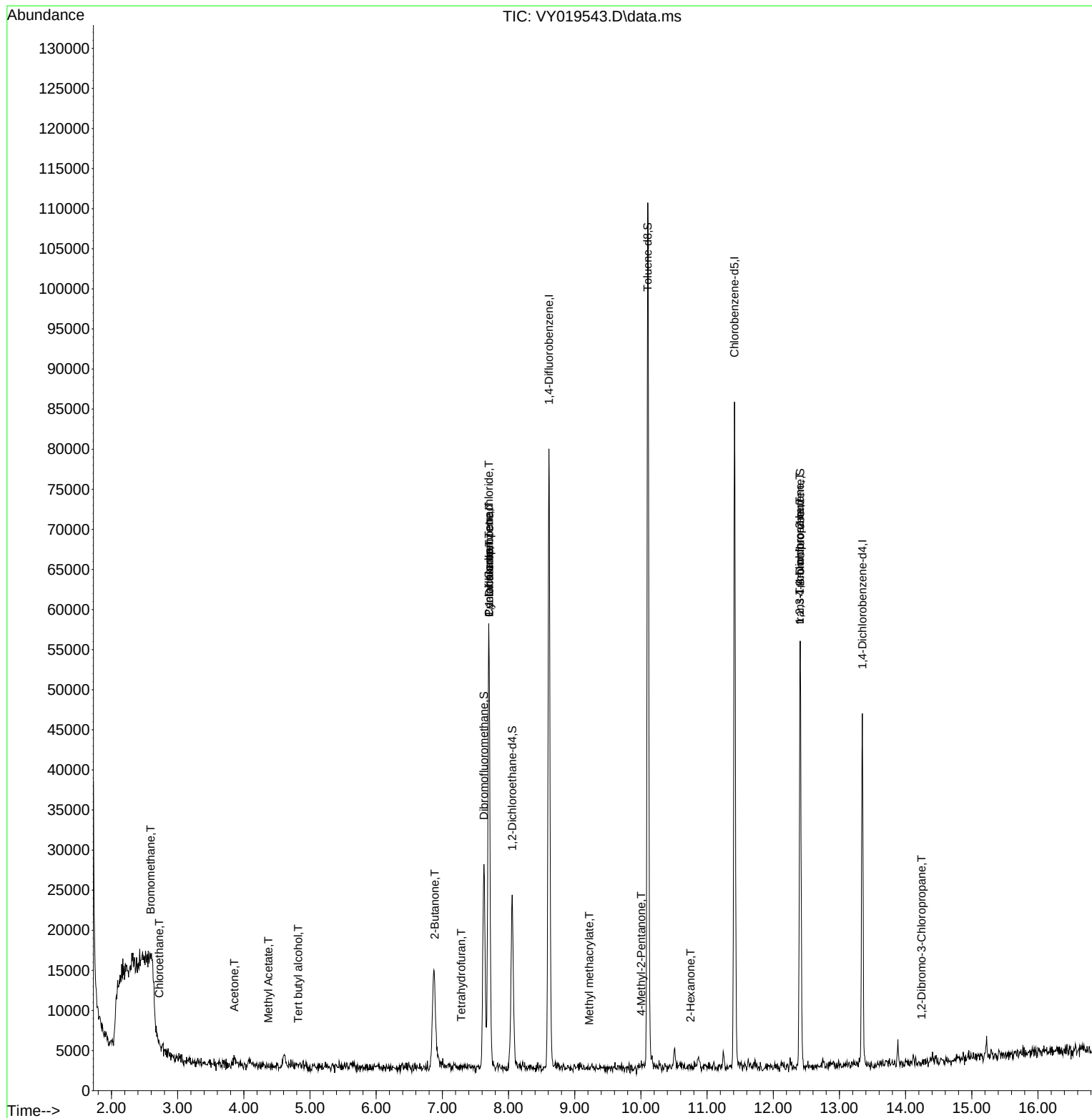
Internal Standards						
1) Pentafluorobenzene	7.707	168	39055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	65286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	43123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	10637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	16183	44.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.500%
35) Dibromofluoromethane	7.628	113	18502	49.984	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.960%
50) Toluene-d8	10.103	98	72595	53.023	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	106.040%
62) 4-Bromofluorobenzene	12.408	95	15929	30.258	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	60.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.086	85	203	Below Cal	#	43
5) Bromomethane	2.592	94	220	1.025	ug/l #	4
6) Chloroethane	2.720	64	274	1.200	ug/l #	42
11) Tert butyl alcohol	4.824	59	455	15.579	ug/l #	88
13) Acrolein	3.659	56	92	Below Cal		85
16) Acetone	3.854	43	683	7.928	ug/l #	70
18) Methyl Acetate	4.373	43	382	1.634	ug/l #	46
25) 2-Butanone	6.884	43	1059	8.642	ug/l #	41
29) Tetrahydrofuran	7.287	42	230	3.087	ug/l #	32
31) Cyclohexane	7.707	56	1193	1.843	ug/l #	59
36) 1,1-Dichloropropene	7.707	75	3831	7.606	ug/l #	43
38) Carbon Tetrachloride	7.701	117	4112	7.240	ug/l #	15
48) Methyl methacrylate	9.219	41	313	1.222	ug/l #	21
51) 4-Methyl-2-Pentanone	10.006	43	329	1.206	ug/l #	57
59) 2-Hexanone	10.749	43	226	1.130	ug/l #	31
76) 1,2,3-Trichloropropane	12.402	75	8840	88.666	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	8840	170.214	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.243	75	35	1.533	ug/l #	1

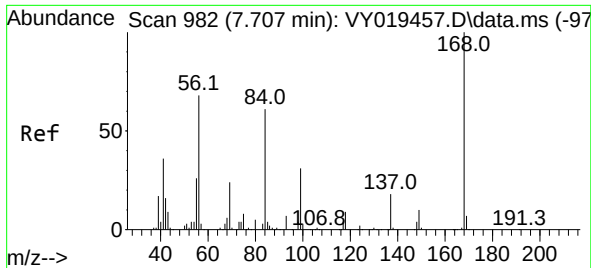
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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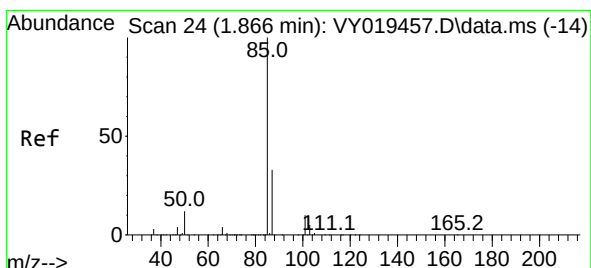
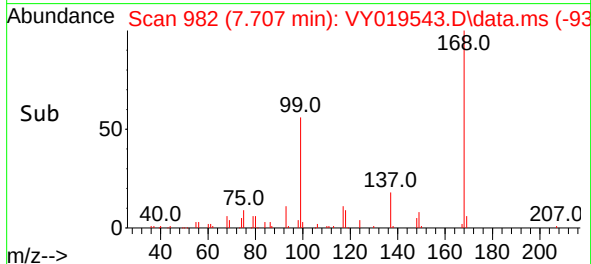
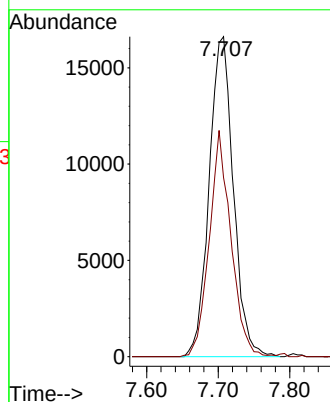
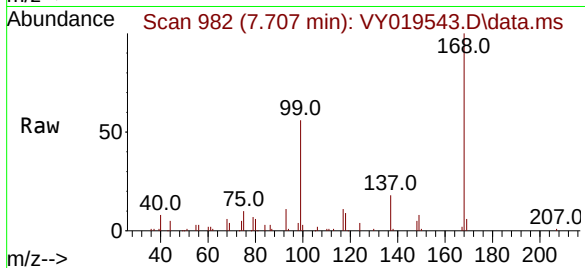




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

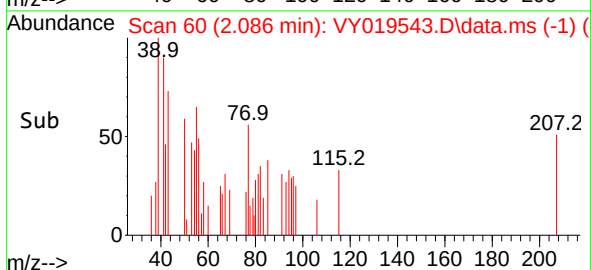
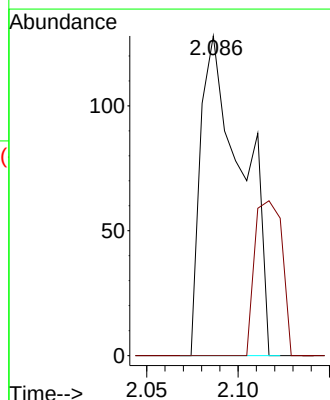
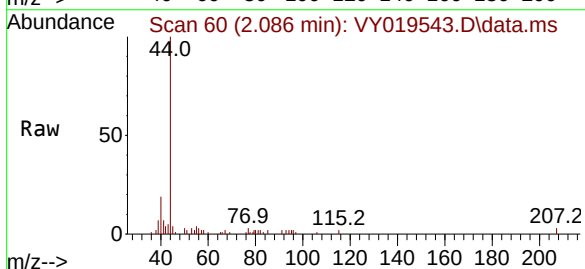
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091224

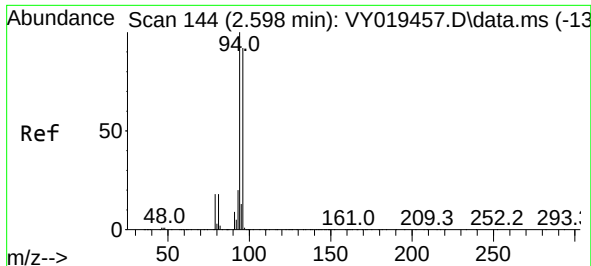
Tgt Ion:168 Resp: 39055
Ion Ratio Lower Upper
168 100
99 55.9 39.1 58.7



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.086 min Scan# 60
Delta R.T. 0.220 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Tgt Ion: 85 Resp: 203
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

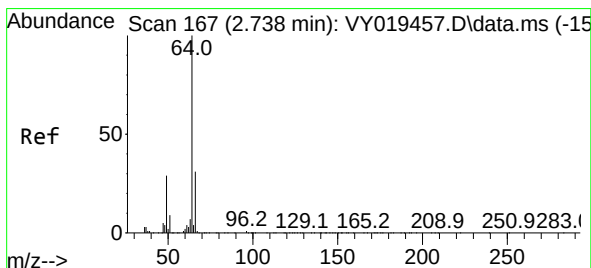
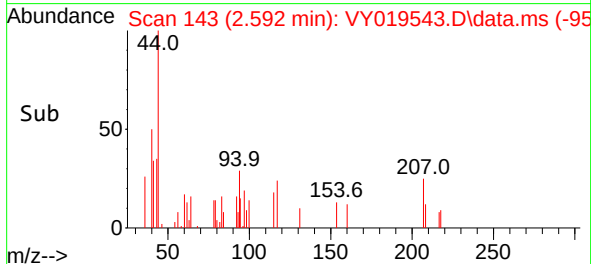
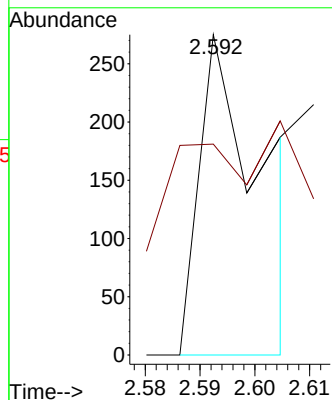
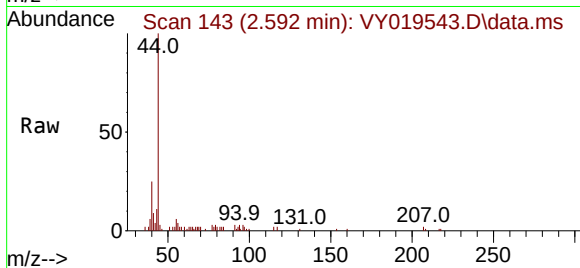




#5
Bromomethane
Concen: 1.025 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

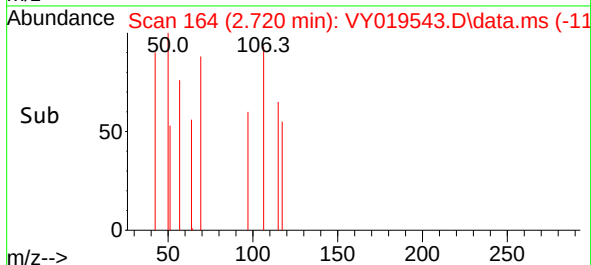
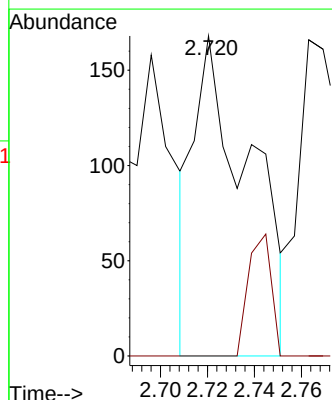
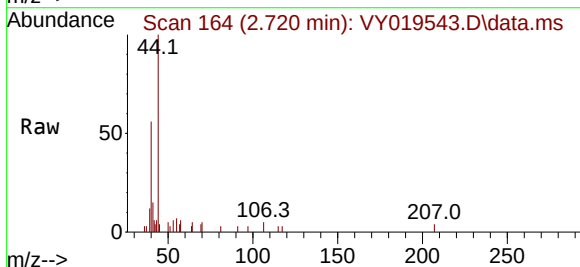
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091224

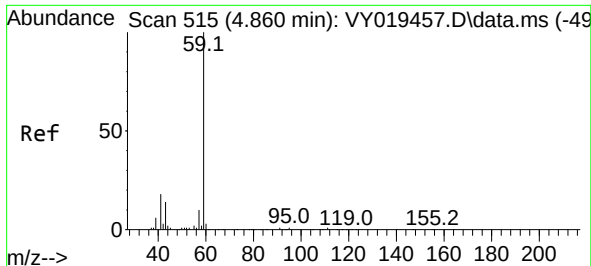
Tgt Ion: 94 Resp: 220
Ion Ratio Lower Upper
94 100
96 0.4 74.1 111.1#



#6
Chloroethane
Concen: 1.200 ug/l
RT: 2.720 min Scan# 164
Delta R.T. -0.018 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Tgt Ion: 64 Resp: 274
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

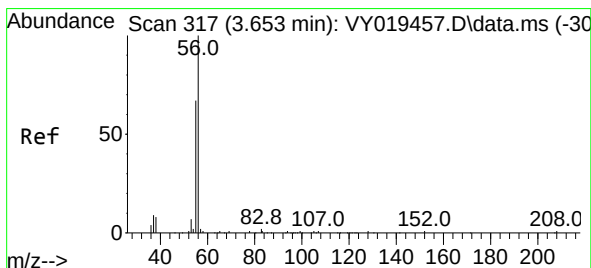
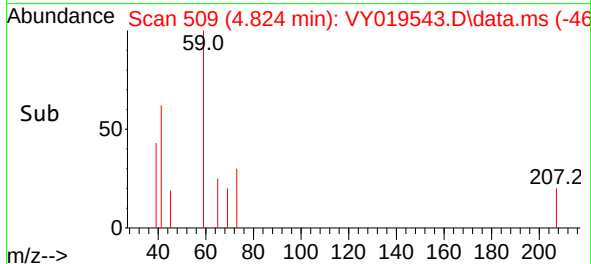
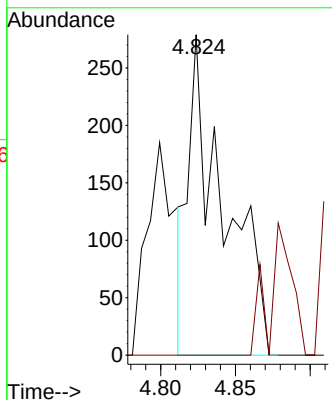
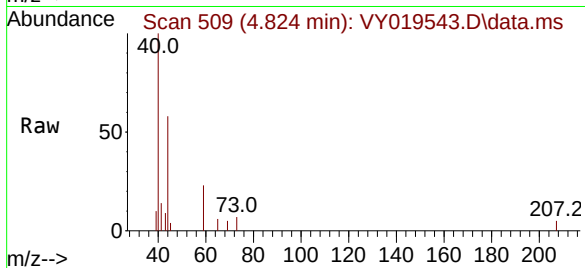




#11
Tert butyl alcohol
Concen: 15.579 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.036 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

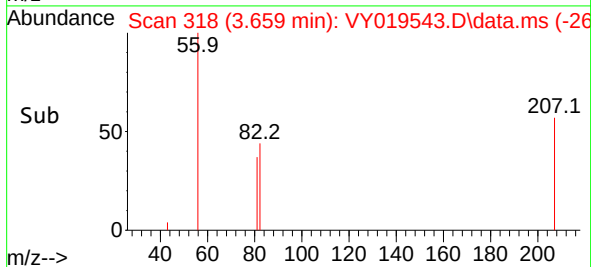
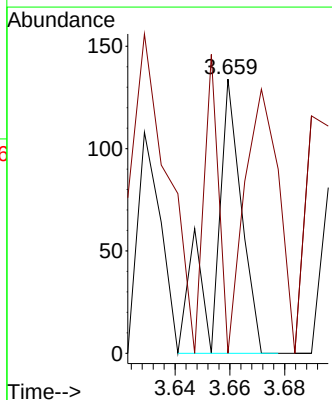
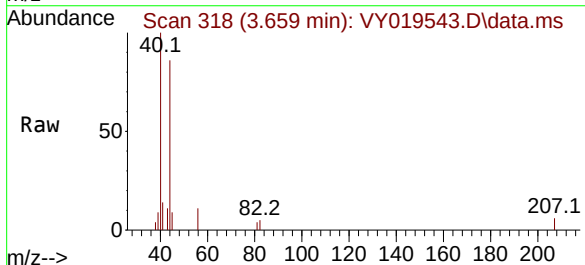
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091224

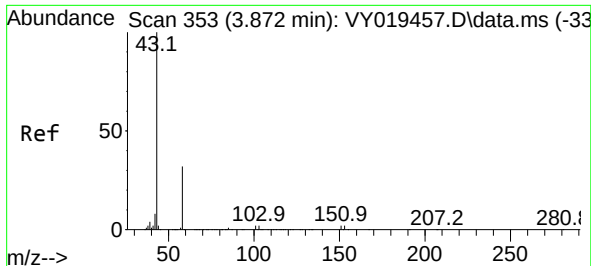
Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.659 min Scan# 318
Delta R.T. 0.006 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 57.6 55.7 83.5

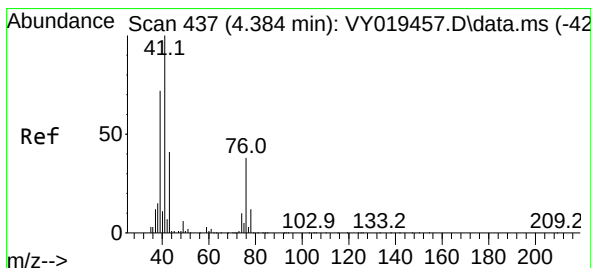
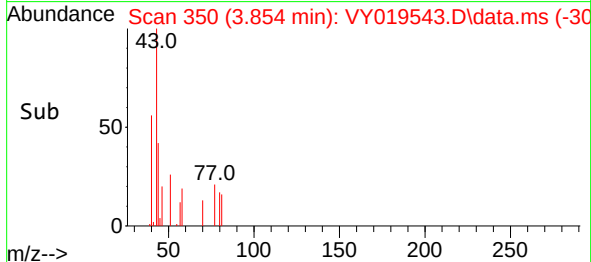
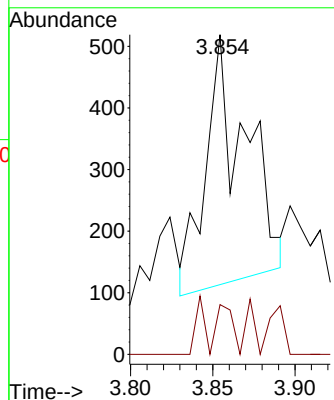
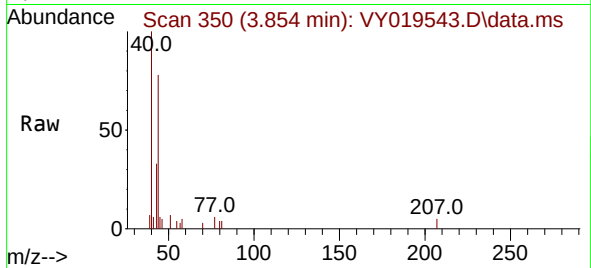




#16
Acetone
Concen: 7.928 ug/l
RT: 3.854 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

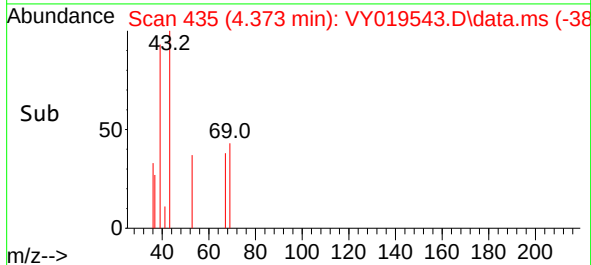
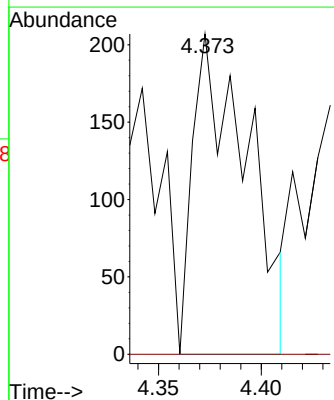
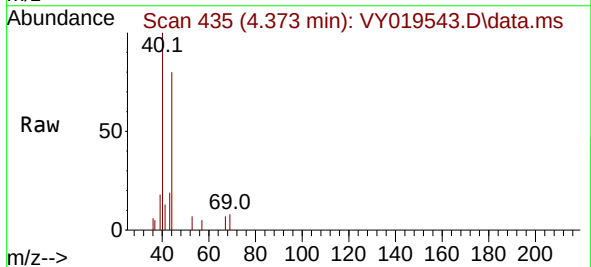
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091224

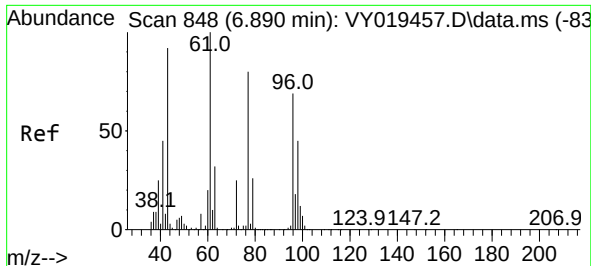
Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
58 21.4 31.7 47.5#



#18
Methyl Acetate
Concen: 1.634 ug/l
RT: 4.373 min Scan# 435
Delta R.T. -0.012 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Tgt Ion: 43 Resp: 382
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#

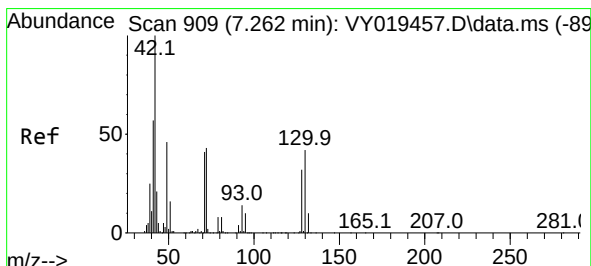
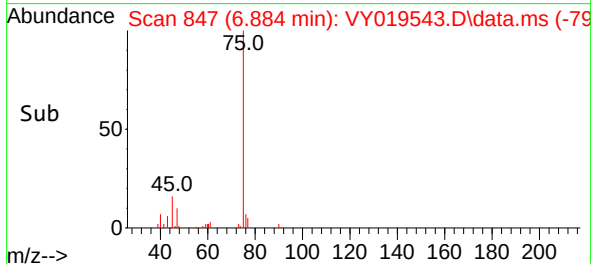
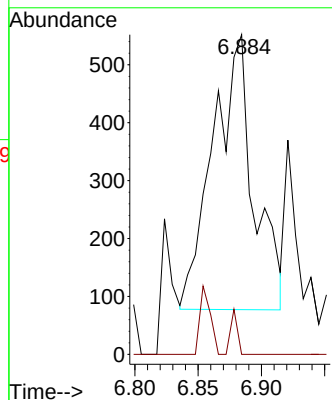
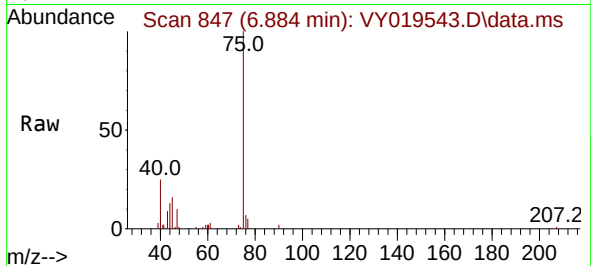




#25
2-Butanone
Concen: 8.642 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

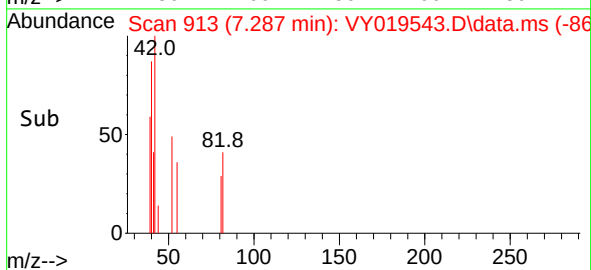
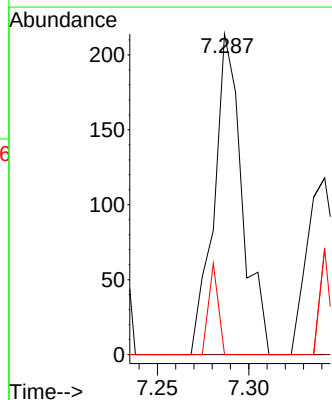
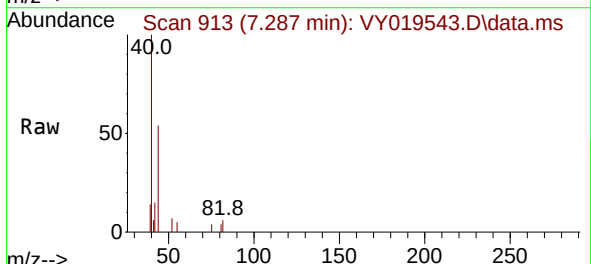
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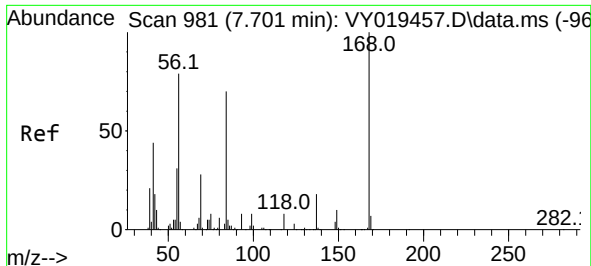
Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 3.087 ug/l
RT: 7.287 min Scan# 913
Delta R.T. 0.025 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 9.6 40.8 61.2#

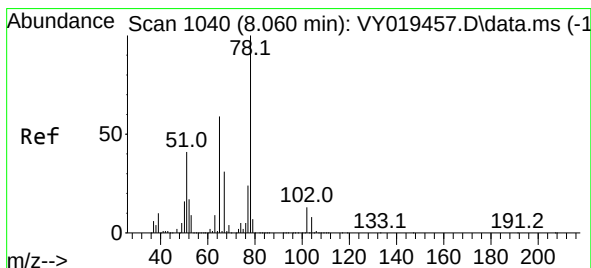
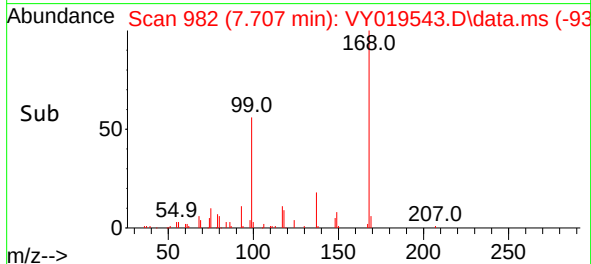
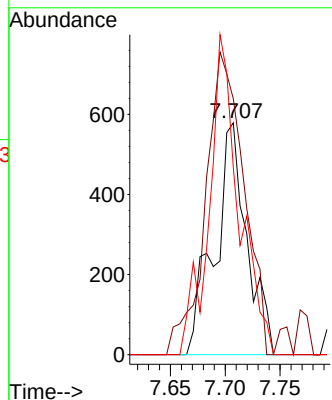
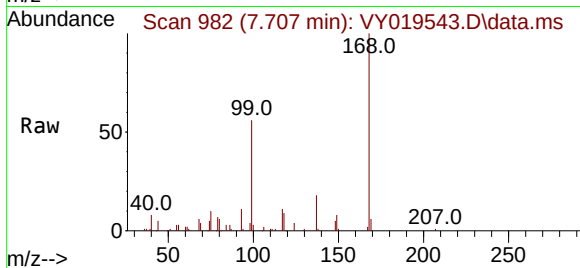




#31
Cyclohexane
Concen: 1.843 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

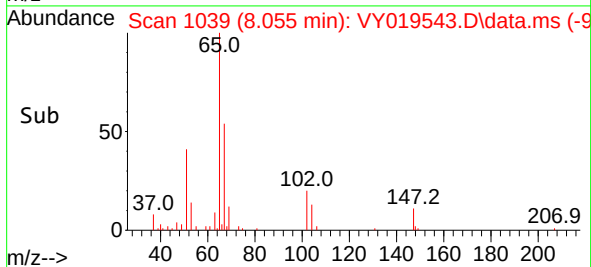
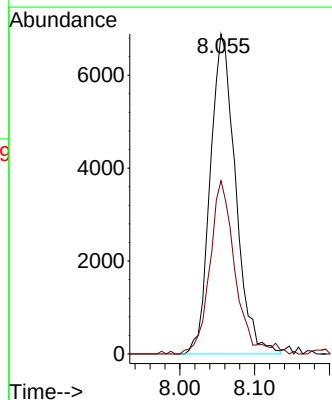
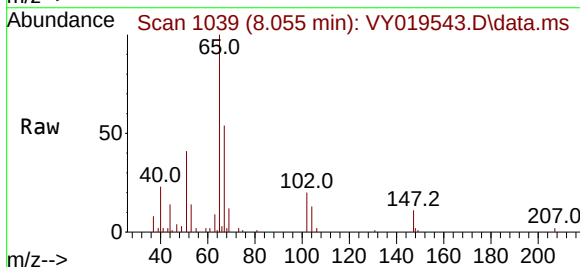
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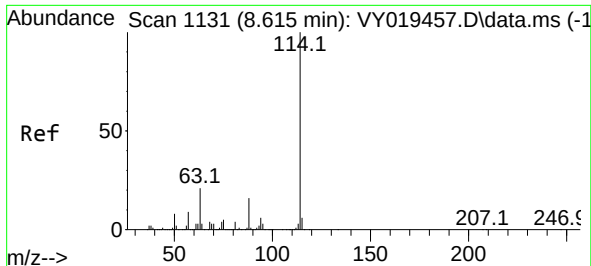
Tgt Ion: 56 Resp: 1193
Ion Ratio Lower Upper
56 100
69 99.5 28.7 43.1#
84 80.7 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 44.749 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Tgt Ion: 65 Resp: 16183
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.6

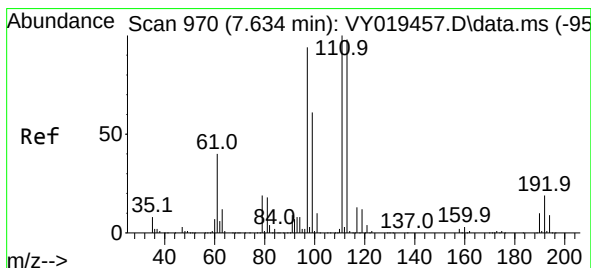
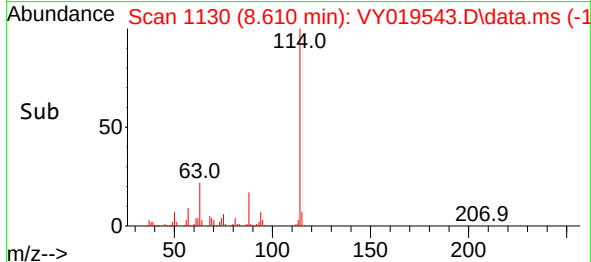
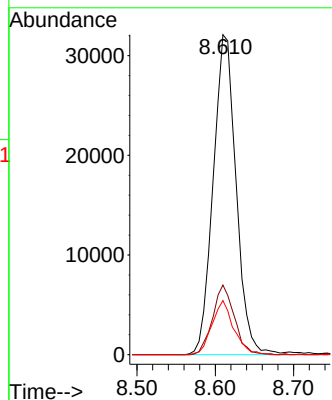
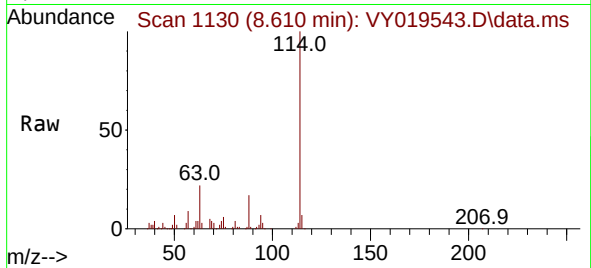




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

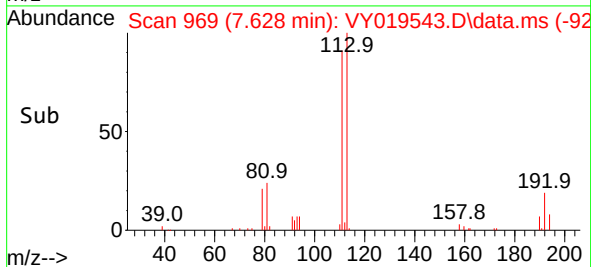
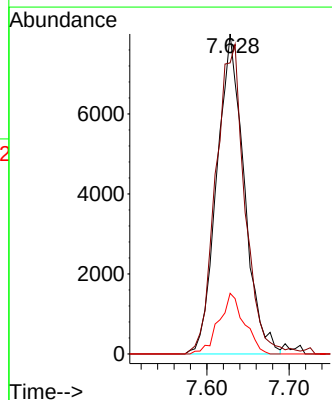
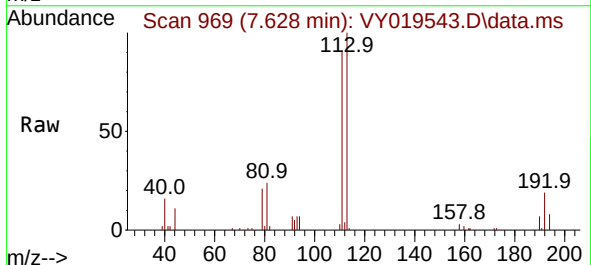
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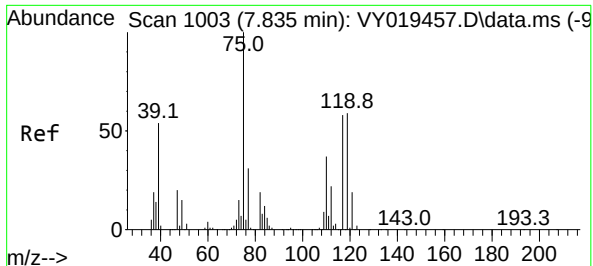
Tgt Ion:	114	Resp:	65286
Ion Ratio	Lower	Upper	
114	100		
63	21.8	0.0	35.0
88	16.9	0.0	27.2



#35
Dibromofluoromethane
Concen: 49.984 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Tgt Ion:	113	Resp:	18502
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.2	123.4
192	17.6	15.9	23.9





#36

1,1-Dichloropropene

Concen: 7.606 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY019543.D

Acq: 13 Sep 2024 16:45

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-091224

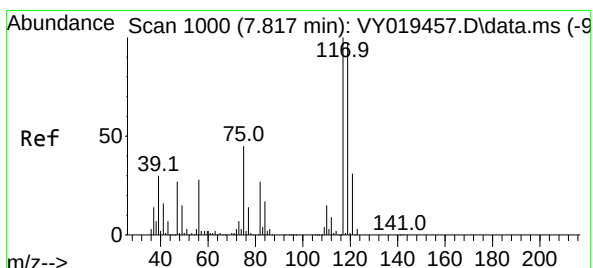
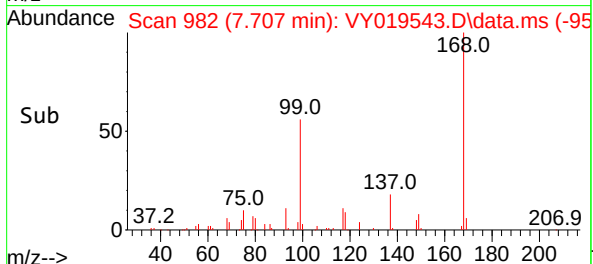
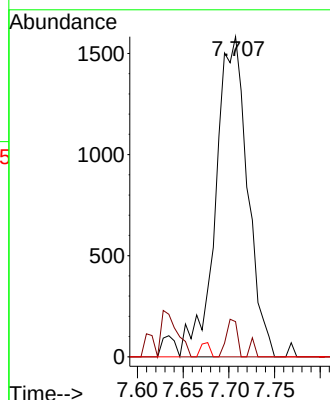
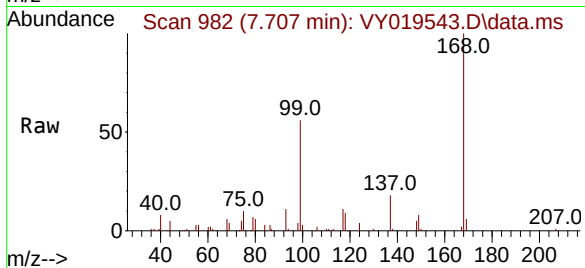
Tgt Ion: 75 Resp: 3831

Ion Ratio Lower Upper

75 100

110 4.1 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.240 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.115 min

Lab File: VY019543.D

Acq: 13 Sep 2024 16:45

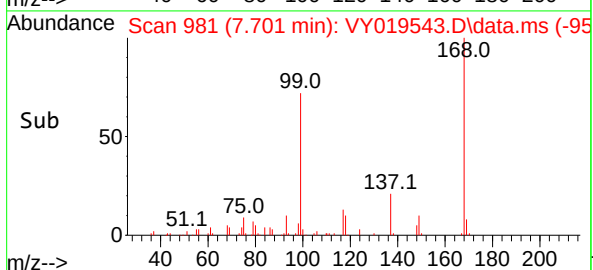
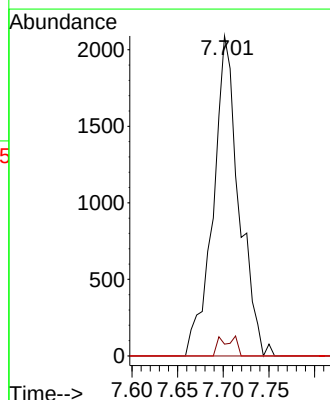
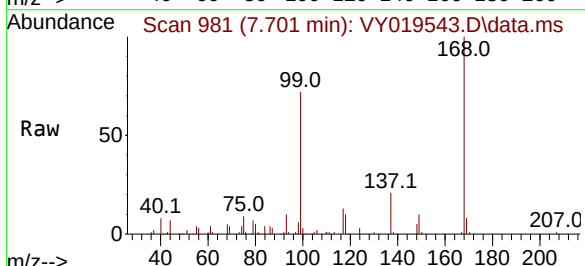
Tgt Ion: 117 Resp: 4112

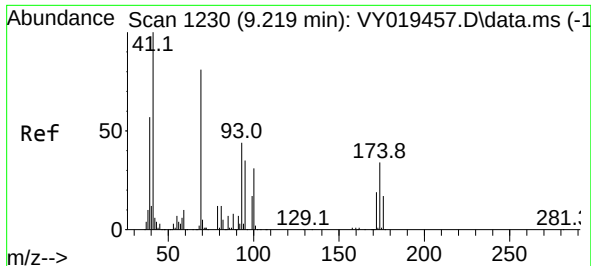
Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.6#

121 0.0 24.0 36.0#





#48

Methyl methacrylate

Concen: 1.222 ug/l

RT: 9.219 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019543.D

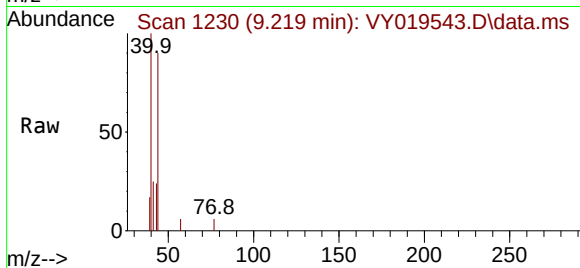
Acq: 13 Sep 2024 16:45

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-091224



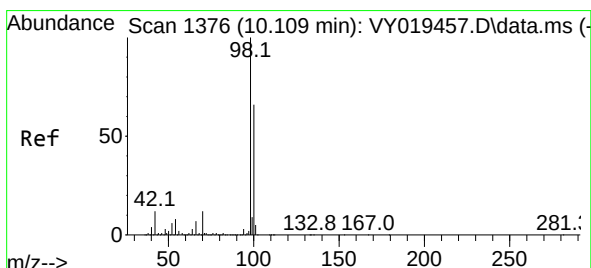
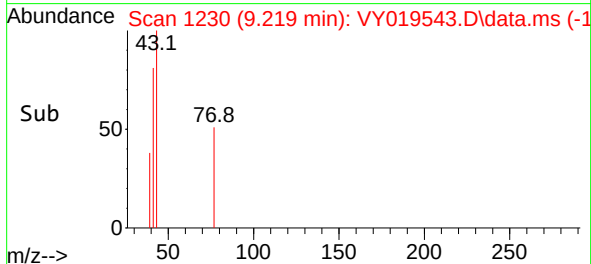
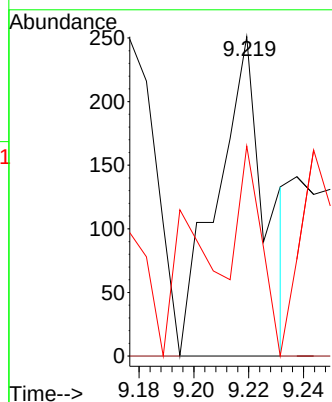
Tgt Ion: 41 Resp: 313

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 29.1 43.6 65.4#



#50

Toluene-d8

Concen: 53.023 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019543.D

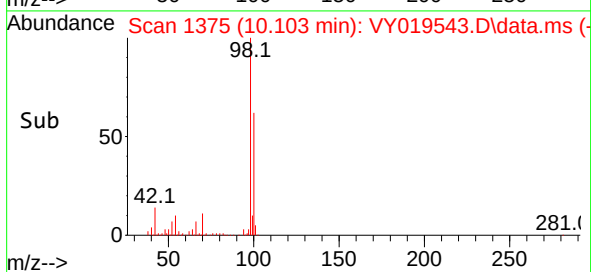
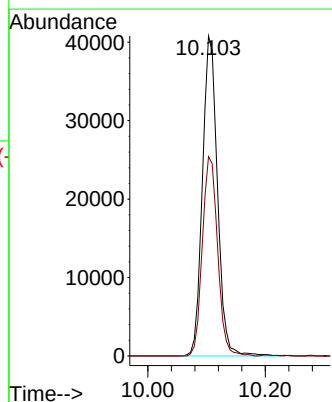
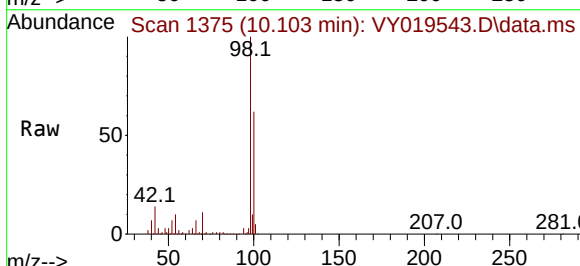
Acq: 13 Sep 2024 16:45

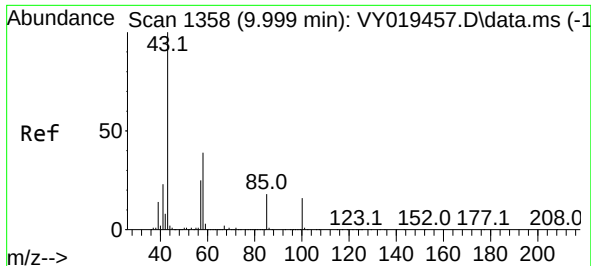
Tgt Ion: 98 Resp: 72595

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.206 ug/l

RT: 10.006 min Scan# 1359

Delta R.T. 0.007 min

Lab File: VY019543.D

Acq: 13 Sep 2024 16:45

Instrument :

MSVOA_Y

ClientSampleId :

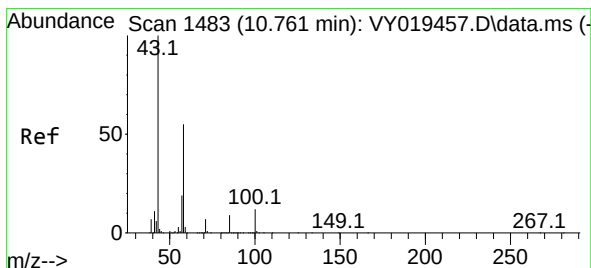
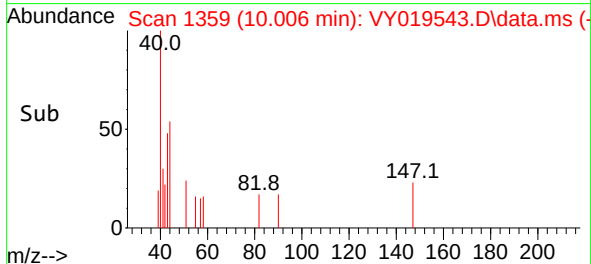
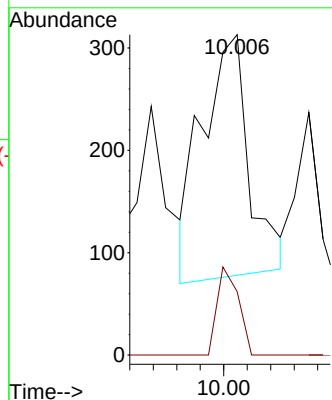
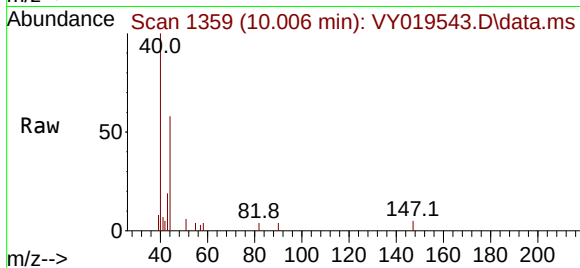
EO-03-091224

Tgt Ion: 43 Resp: 329

Ion Ratio Lower Upper

43 100

58 16.4 35.7 53.5#



#59

2-Hexanone

Concen: 1.130 ug/l

RT: 10.749 min Scan# 1481

Delta R.T. -0.012 min

Lab File: VY019543.D

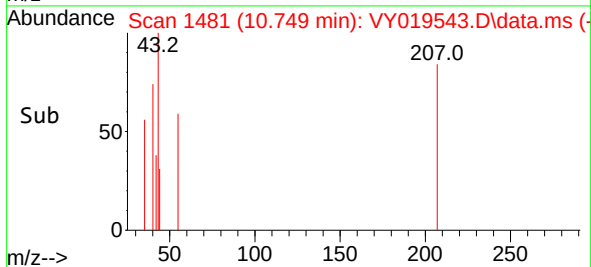
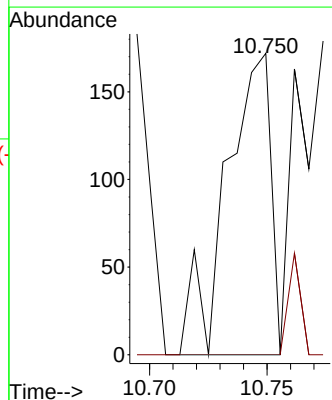
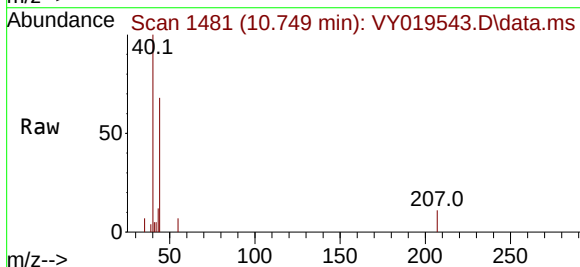
Acq: 13 Sep 2024 16:45

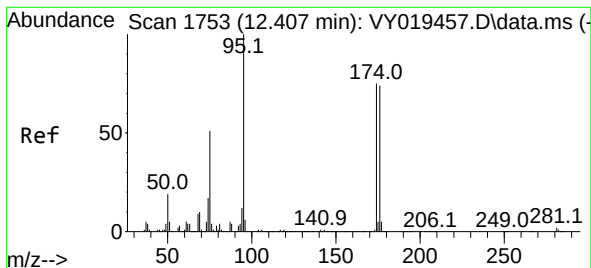
Tgt Ion: 43 Resp: 226

Ion Ratio Lower Upper

43 100

58 9.3 31.4 94.0#

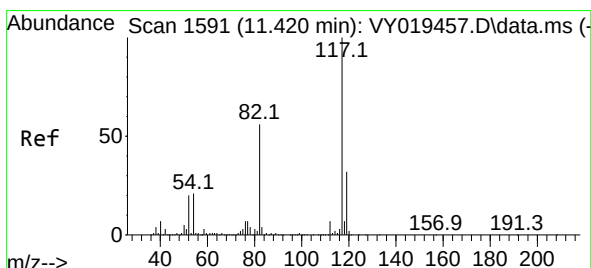
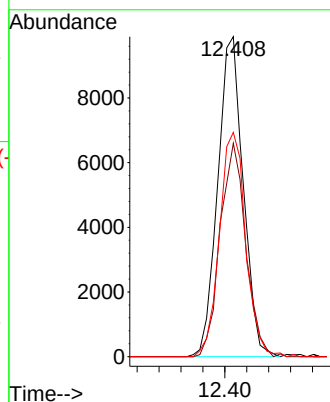
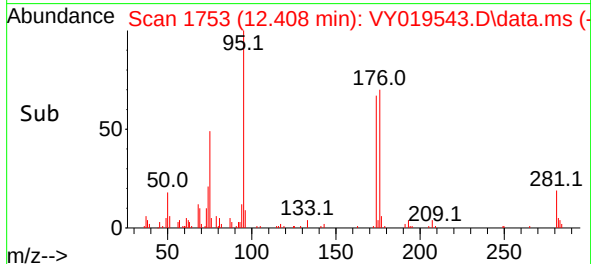
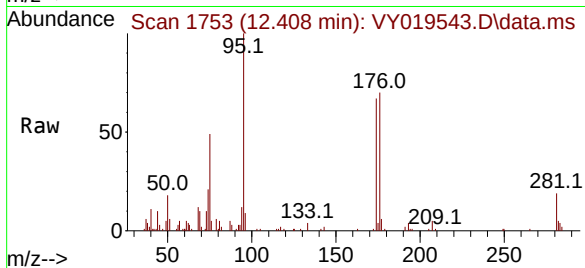




#62
4-Bromofluorobenzene
Concen: 30.258 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

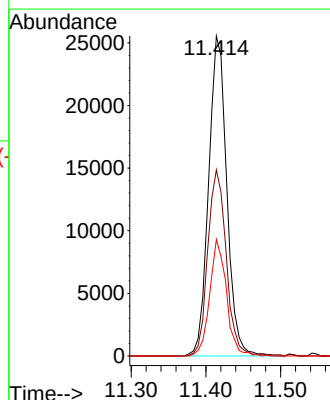
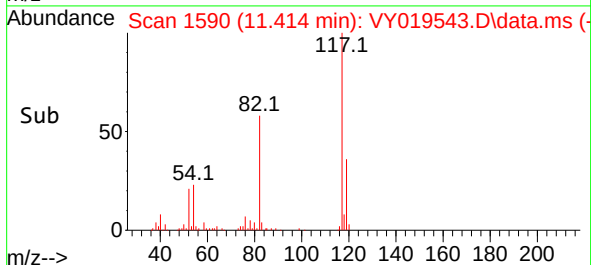
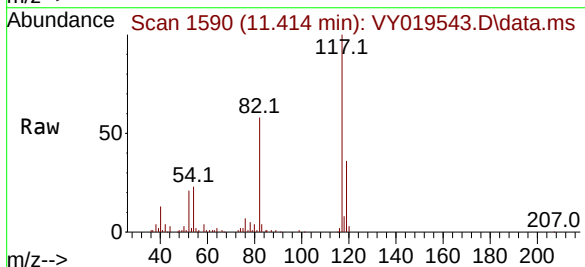
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091224

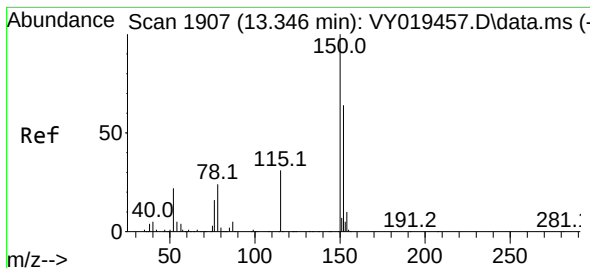
Tgt Ion: 95 Resp: 15929
Ion Ratio Lower Upper
95 100
174 67.2 0.0 175.6
176 72.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Tgt Ion: 117 Resp: 43123
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 36.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019543.D

Acq: 13 Sep 2024 16:45

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-091224

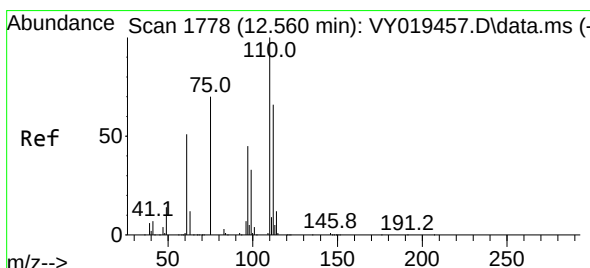
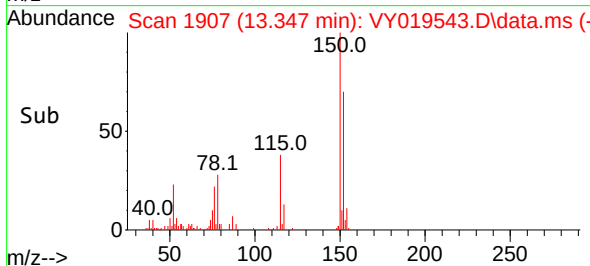
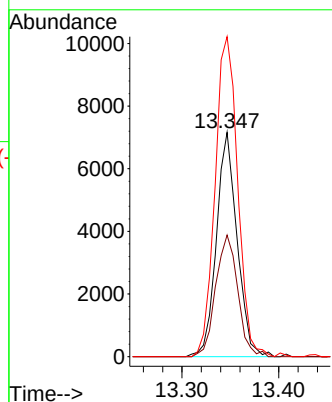
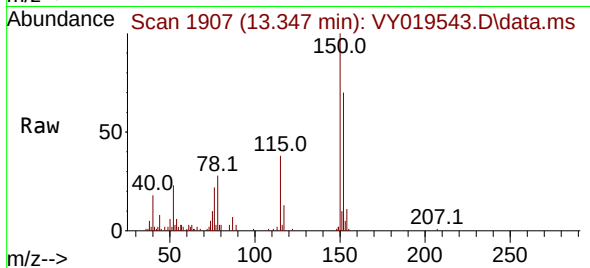
Tgt Ion:152 Resp: 10637

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.7

150 155.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 88.666 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019543.D

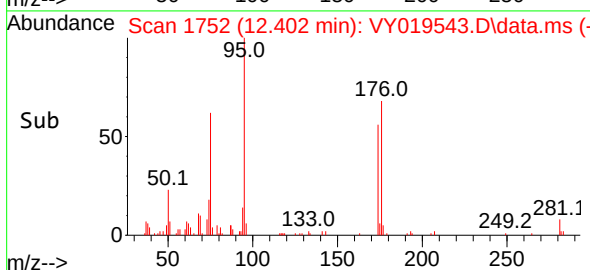
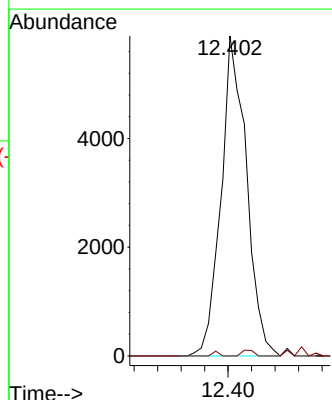
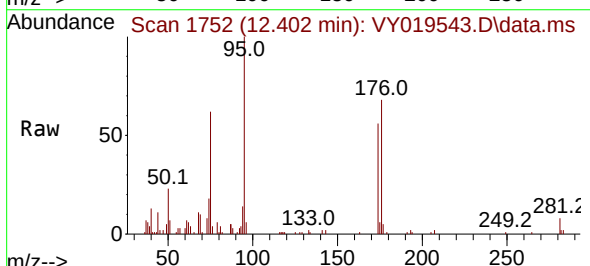
Acq: 13 Sep 2024 16:45

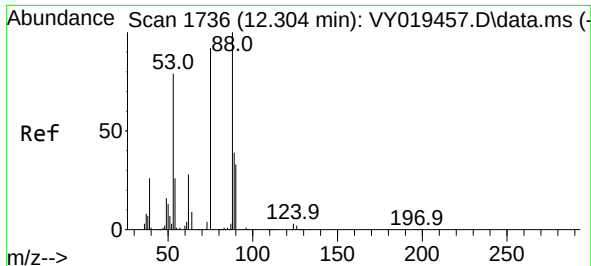
Tgt Ion: 75 Resp: 8840

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#

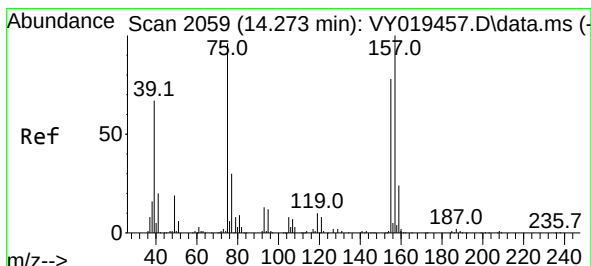
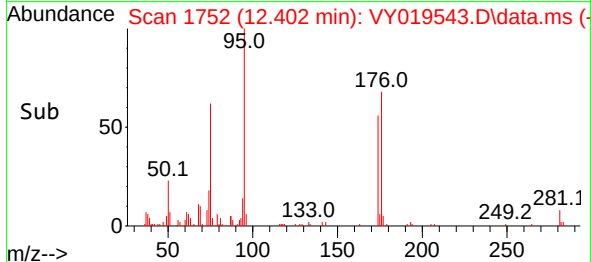
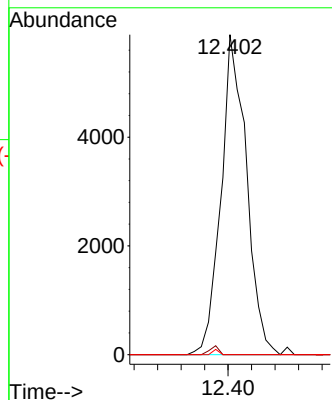
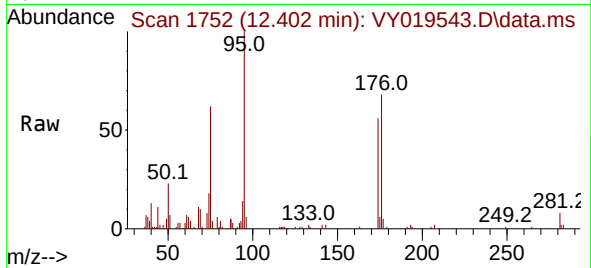




#81
trans-1,4-Dichloro-2-butene
Concen: 170.214 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-091224

Tgt Ion: 75 Resp: 8840
Ion Ratio Lower Upper
75 100
53 1.0 66.8 100.2#
89 0.4 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.533 ug/l
RT: 14.243 min Scan# 2054
Delta R.T. -0.030 min
Lab File: VY019543.D
Acq: 13 Sep 2024 16:45

Tgt Ion: 75 Resp: 35
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

