

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021647.D
 Acq On : 26 Mar 2025 15:24
 Operator : SY/MD
 Sample : Q1637-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-032525

Quant Time: Mar 27 01:32:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

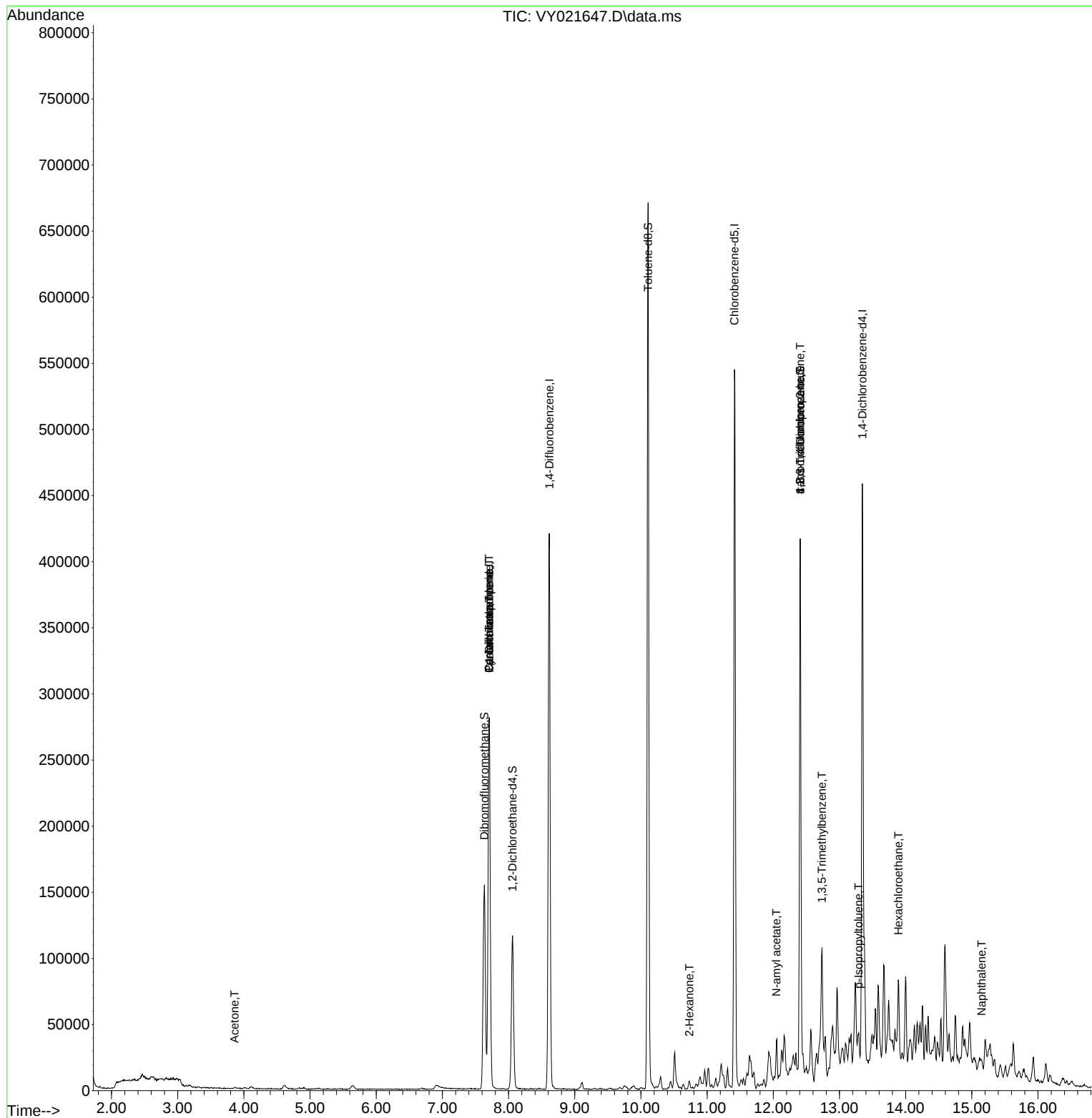
Internal Standards						
1) Pentafluorobenzene	7.707	168	209508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	354013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	284589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	107485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	91277	41.220	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.440%		
35) Dibromofluoromethane	7.634	113	107582	46.232	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.460%		
50) Toluene-d8	10.109	98	420608	47.738	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.480%		
62) 4-Bromofluorobenzene	12.407	95	116770	38.962	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	77.920%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.842	59	1034	Below Cal	#	72
16) Acetone	3.860	43	1887	3.907	ug/l	93
31) Cyclohexane	7.707	56	4963	1.197	ug/l #	14
36) 1,1-Dichloropropene	7.707	75	17902	4.915	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22296	5.322	ug/l #	18
59) 2-Hexanone	10.731	43	2739	2.569	ug/l #	24
74) N-amyl acetate	12.048	43	5976	3.250	ug/l #	76
76) 1,2,3-Trichloropropane	12.407	75	62755	57.940	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.736	105	19821	2.881	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.407	75	62755	131.715	ug/l #	10
86) p-Isopropyltoluene	13.291	119	8355	1.110	ug/l	98
90) Hexachloroethane	13.889	117	2526	1.574	ug/l #	14
95) Naphthalene	15.151	128	4472	2.981	ug/l #	91

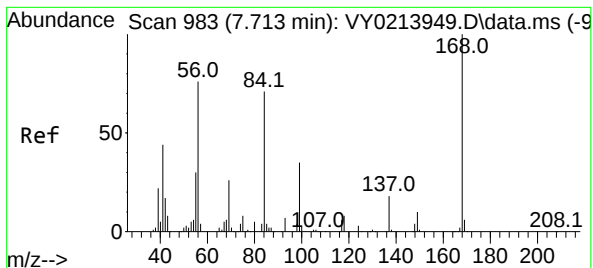
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021647.D

Acq: 26 Mar 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

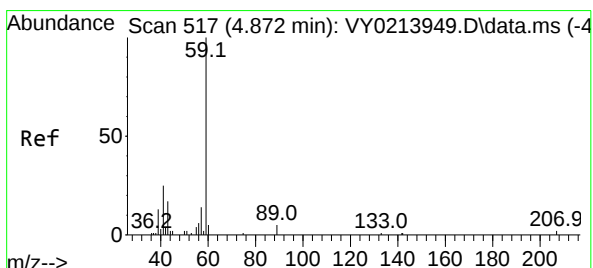
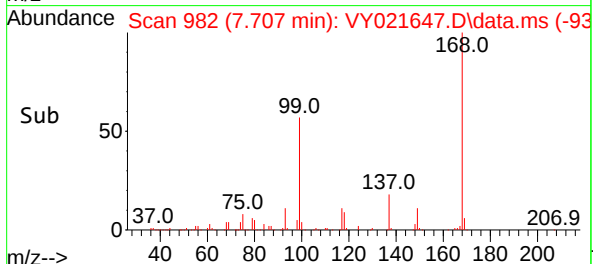
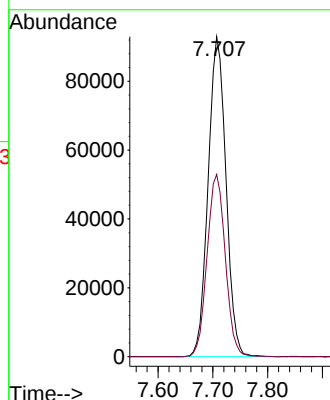
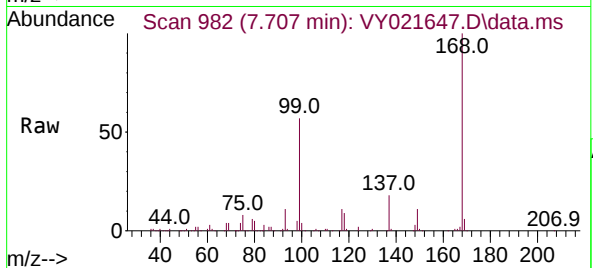
EO-01-032525

Tgt Ion:168 Resp: 209508

Ion Ratio Lower Upper

168 100

99 56.9 46.0 69.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.842 min Scan# 512

Delta R.T. -0.030 min

Lab File: VY021647.D

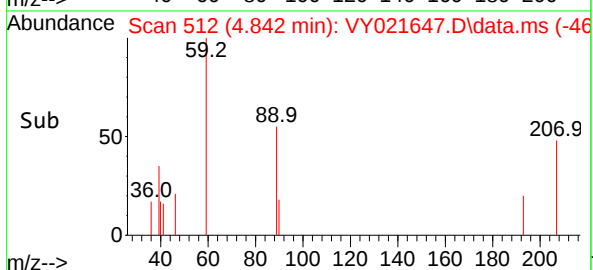
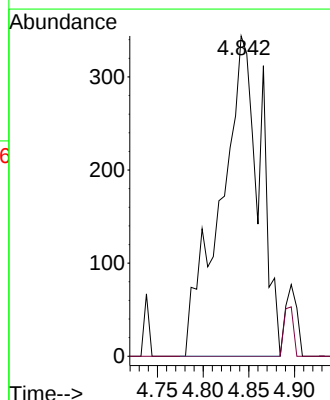
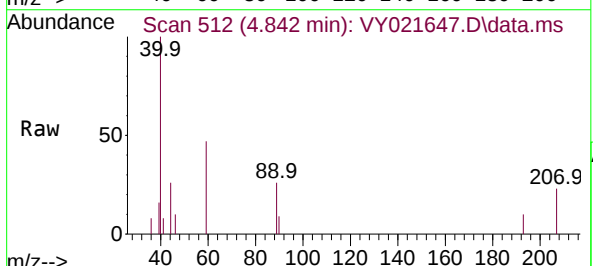
Acq: 26 Mar 2025 15:24

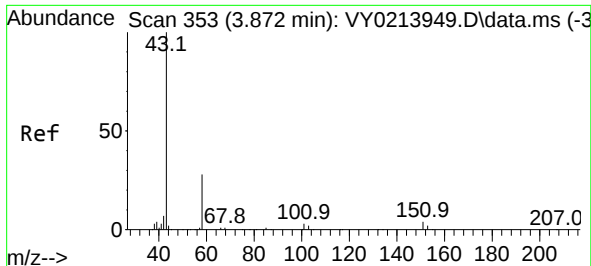
Tgt Ion: 59 Resp: 1034

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

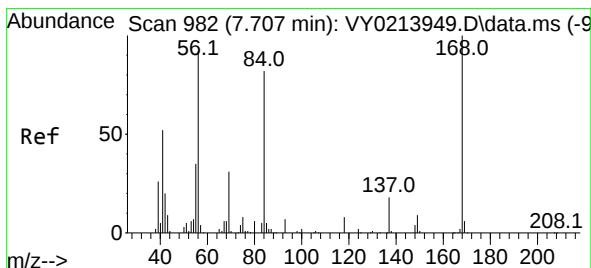
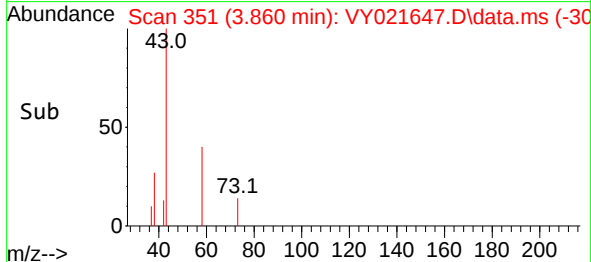
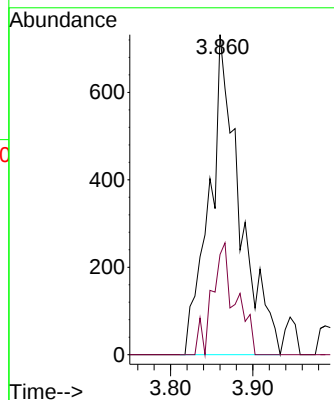
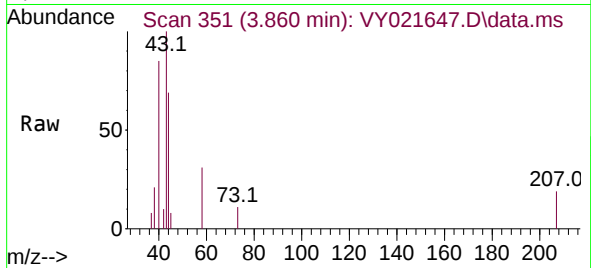




#16
Acetone
Concen: 3.907 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

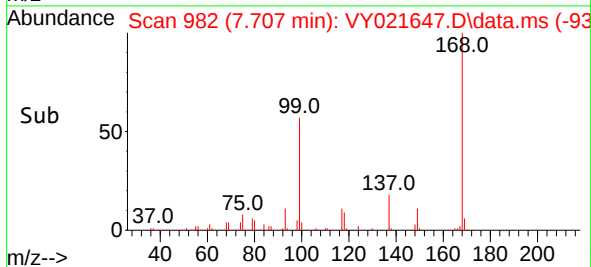
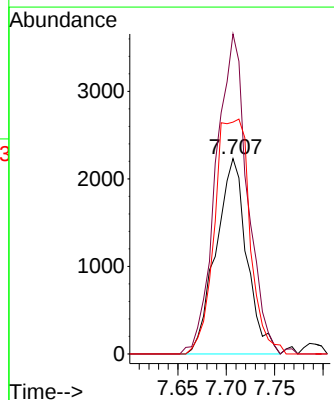
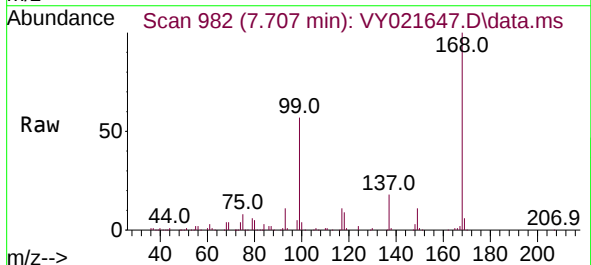
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-032525

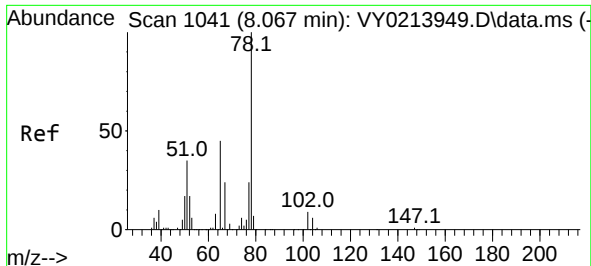
Tgt Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
58 31.3 22.1 33.1



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

Tgt Ion: 56 Resp: 4963
Ion Ratio Lower Upper
56 100
69 163.8 27.0 40.4#
84 118.6 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 41.220 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021647.D

Acq: 26 Mar 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

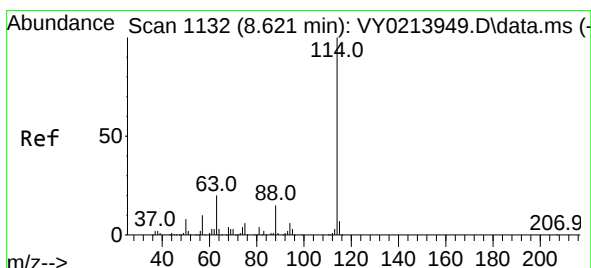
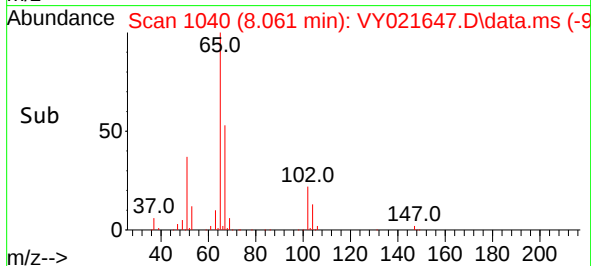
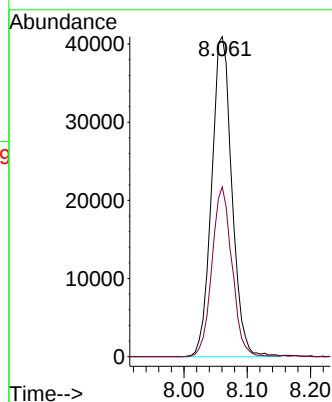
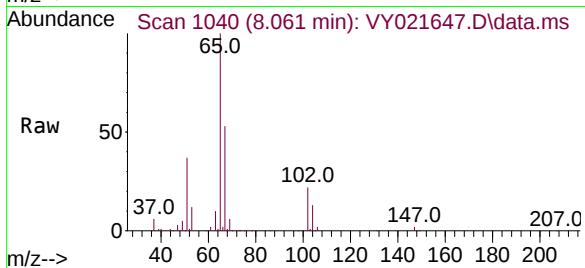
EO-01-032525

Tgt Ion: 65 Resp: 91277

Ion Ratio Lower Upper

65 100

67 52.4 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021647.D

Acq: 26 Mar 2025 15:24

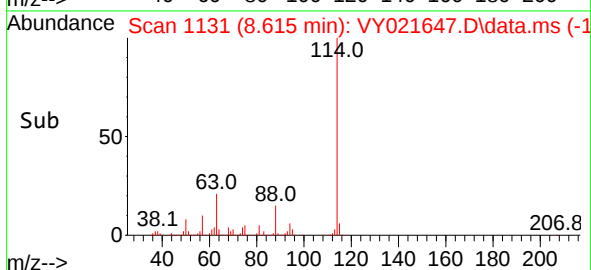
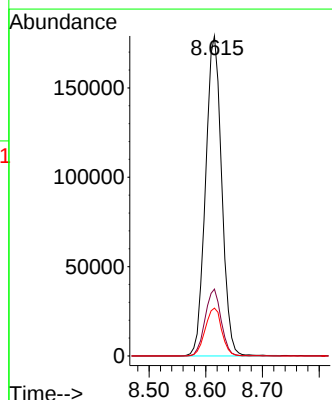
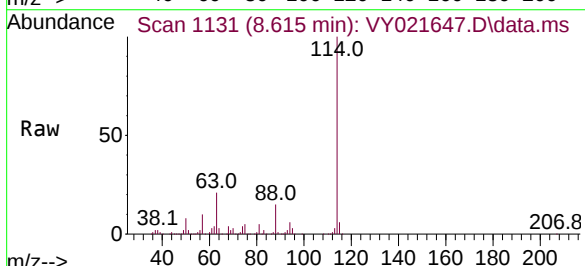
Tgt Ion: 114 Resp: 354013

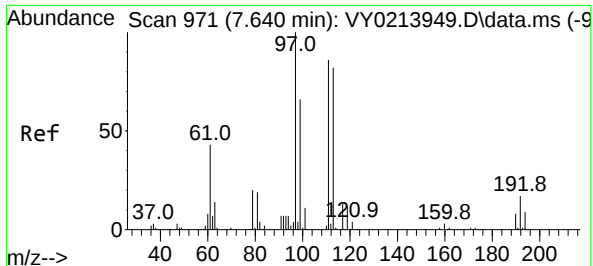
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 46.232 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021647.D

Acq: 26 Mar 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-032525

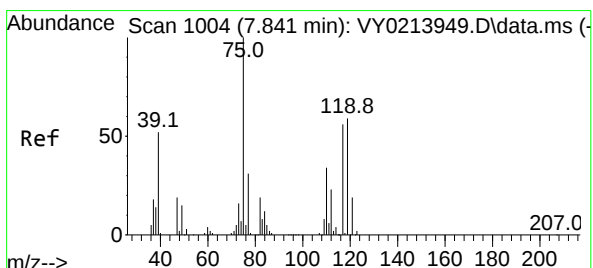
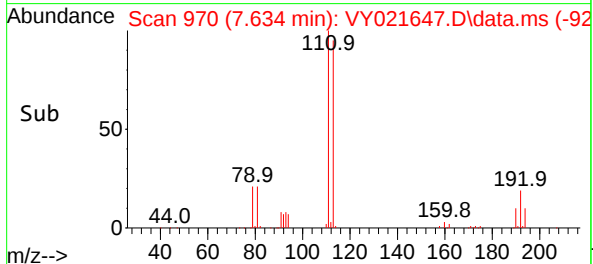
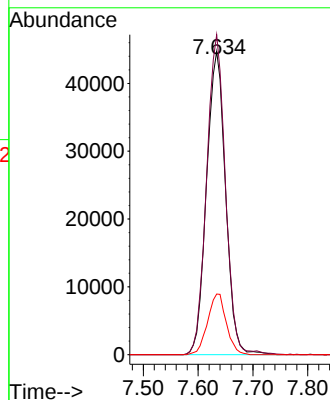
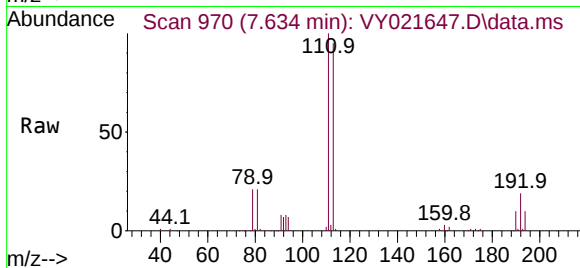
Tgt Ion:113 Resp: 107582

Ion Ratio Lower Upper

113 100

111 104.4 82.0 123.0

192 19.7 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.915 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021647.D

Acq: 26 Mar 2025 15:24

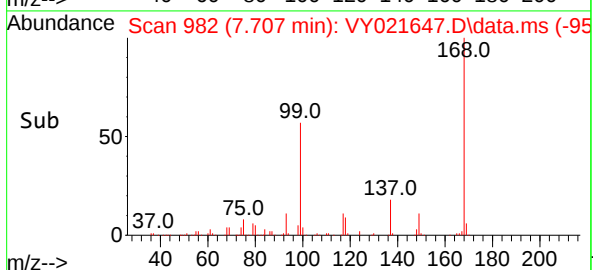
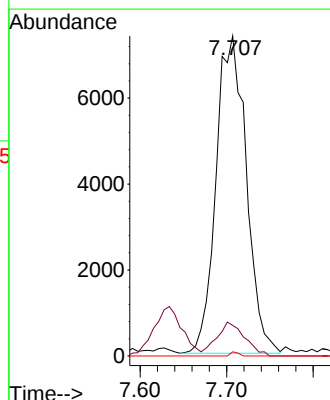
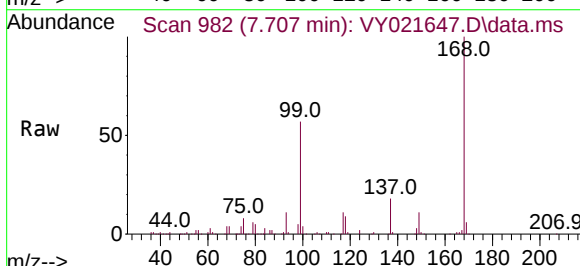
Tgt Ion: 75 Resp: 17902

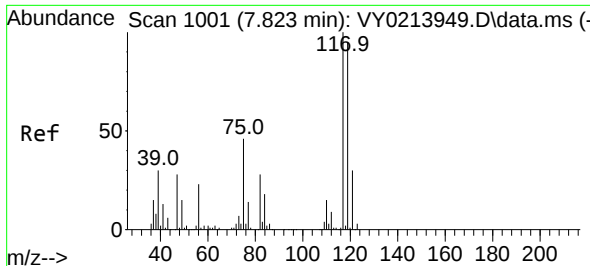
Ion Ratio Lower Upper

75 100

110 9.9 17.3 51.7#

77 0.3 25.4 38.2#

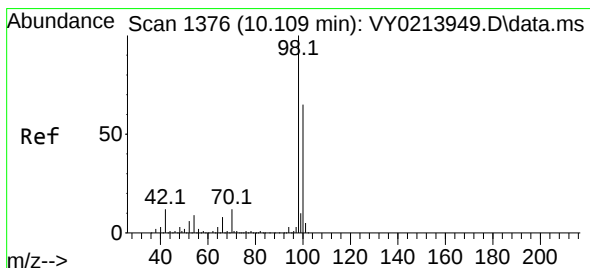
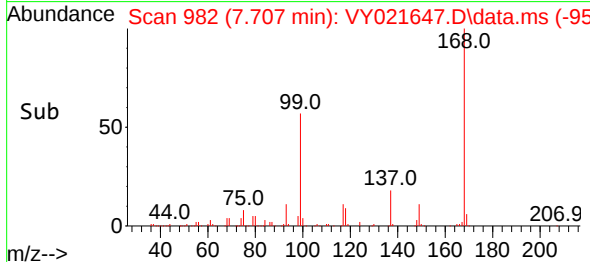
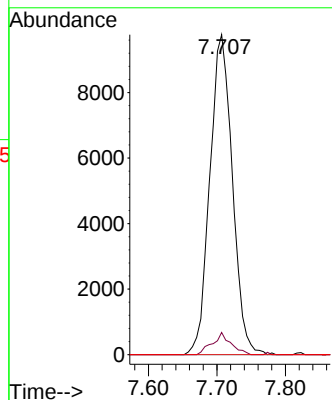
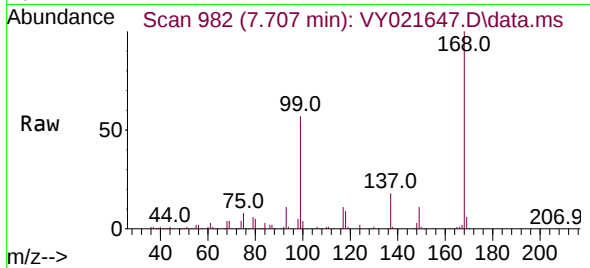




#38
Carbon Tetrachloride
Concen: 5.322 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

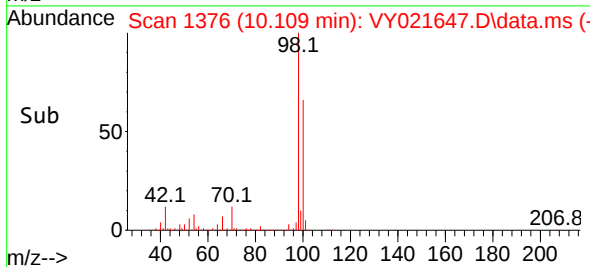
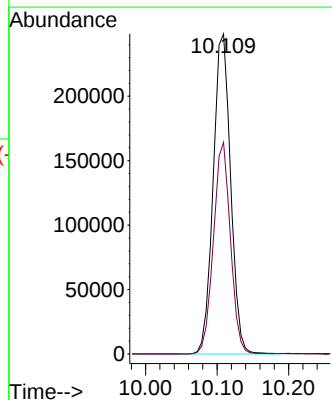
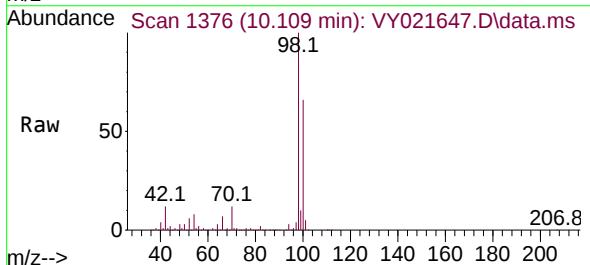
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-032525

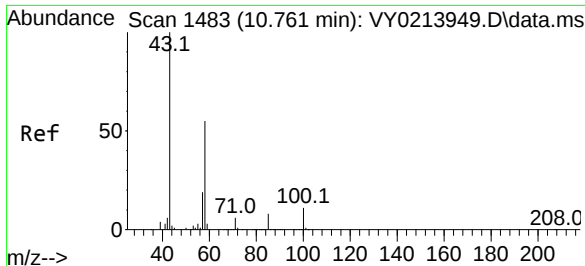
Tgt Ion:117 Resp: 22296
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 47.738 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

Tgt Ion: 98 Resp: 420608
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1

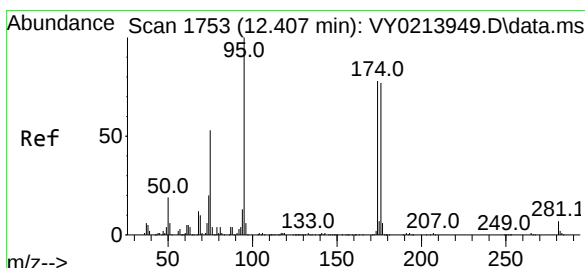
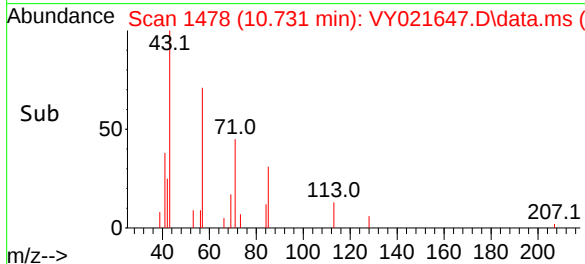
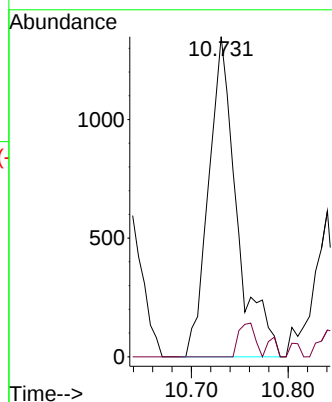
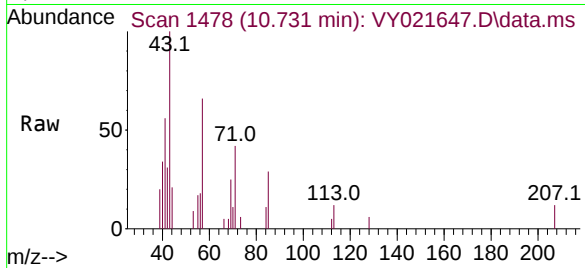




#59
2-Hexanone
Concen: 2.569 ug/l
RT: 10.731 min Scan# 1483
Delta R.T. -0.030 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

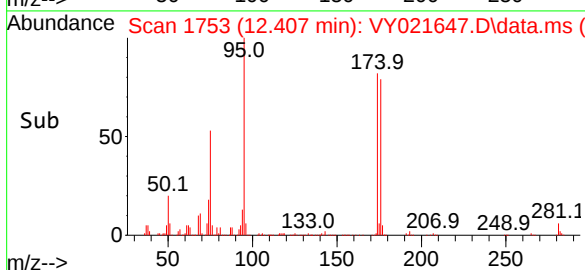
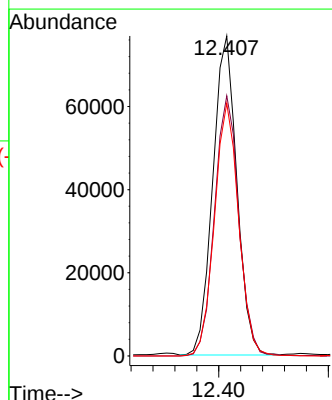
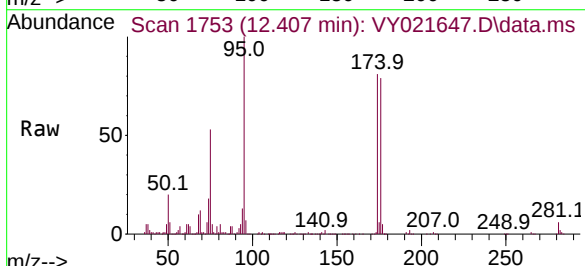
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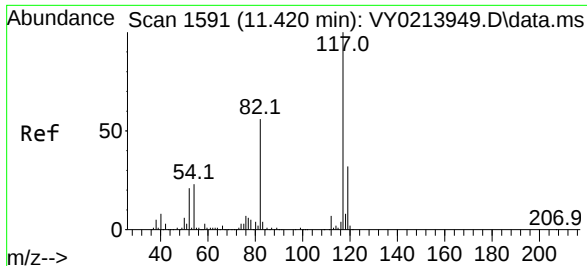
Tgt Ion: 43 Resp: 2739
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 38.962 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

Tgt Ion: 95 Resp: 116770
Ion Ratio Lower Upper
95 100
174 82.3 0.0 165.0
176 79.8 0.0 160.0

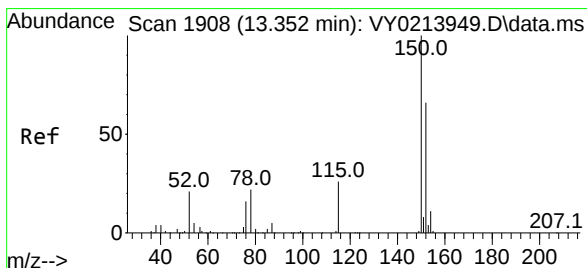
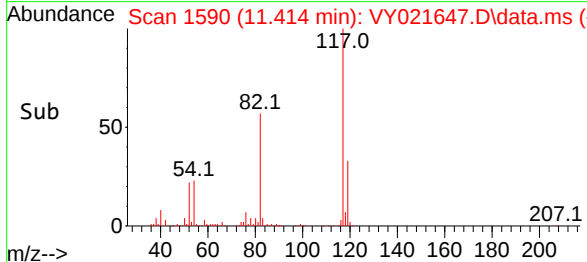
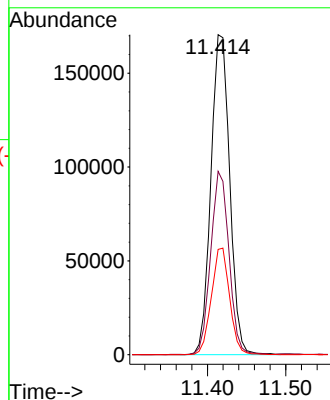
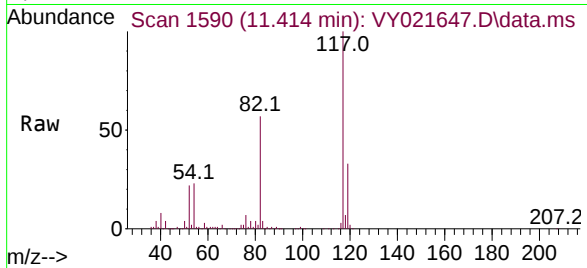




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

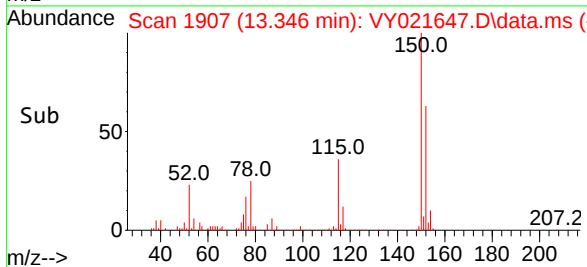
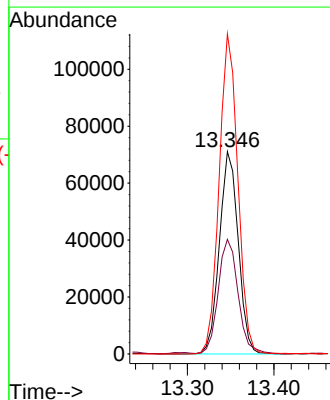
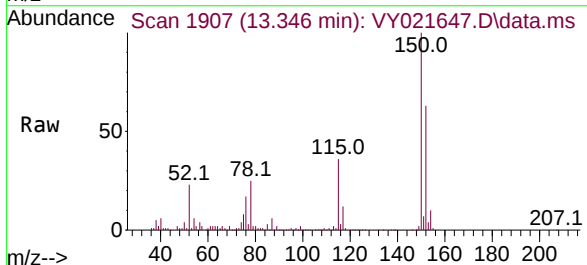
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-032525

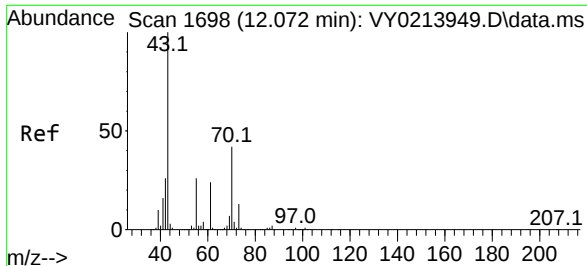
Tgt Ion:117 Resp: 284589
Ion Ratio Lower Upper
117 100
82 57.2 44.6 67.0
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

Tgt Ion:152 Resp: 107485
Ion Ratio Lower Upper
152 100
115 59.4 29.0 87.0
150 156.6 0.0 347.2

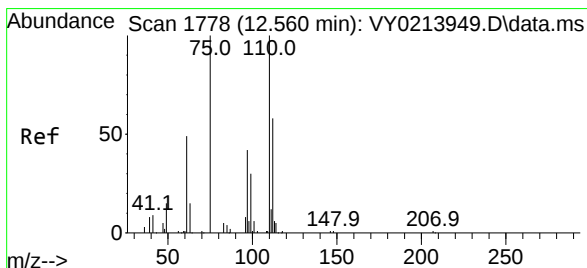
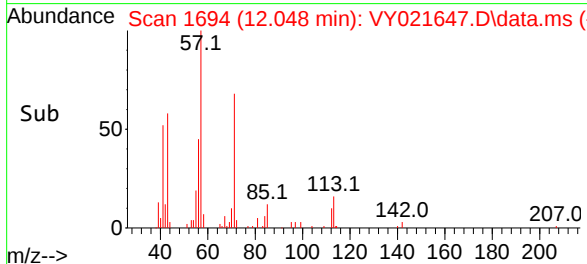
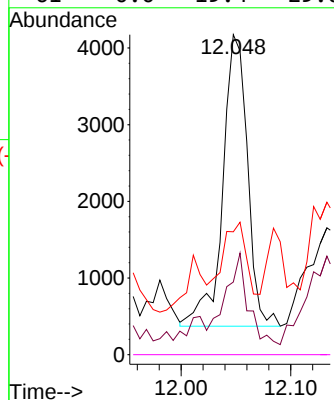
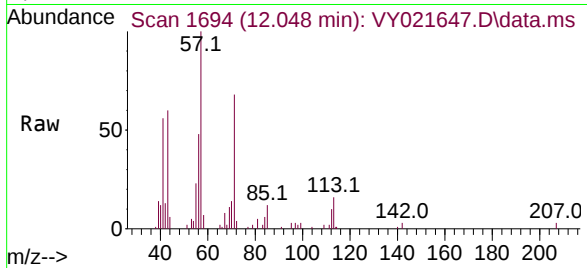




#74
N-amy1 acetate
Concen: 3.250 ug/l
RT: 12.048 min Scan# 1753
Delta R.T. -0.024 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

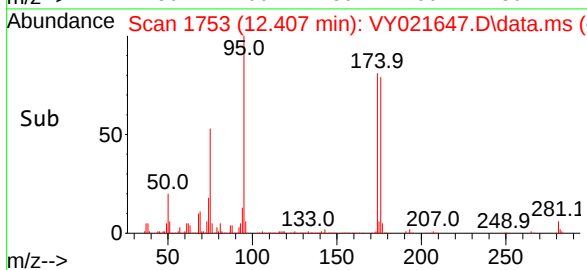
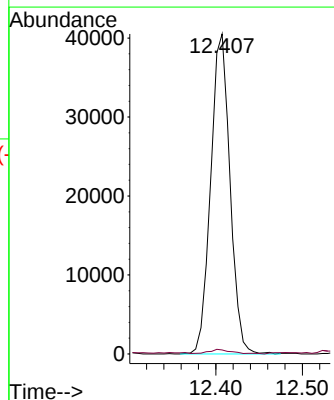
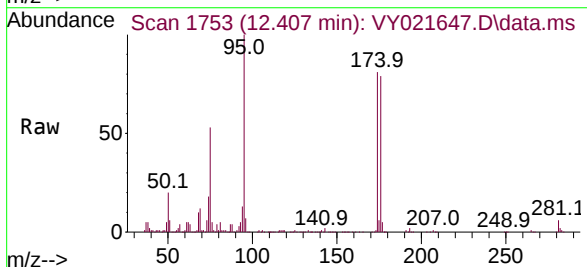
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-032525

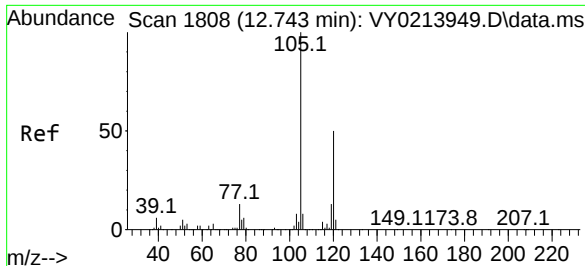
Tgt Ion: 43	Resp: 5976
Ion Ratio	Lower Upper
43	100
70	28.2 34.6 51.8#
55	28.0 21.1 31.7
61	0.0 19.4 29.0#



#76
1,2,3-Trichloropropane
Concen: 57.940 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021647.D
Acq: 26 Mar 2025 15:24

Tgt Ion: 75	Resp: 62755
Ion Ratio	Lower Upper
75	100
77	1.8 0.0 0.0#

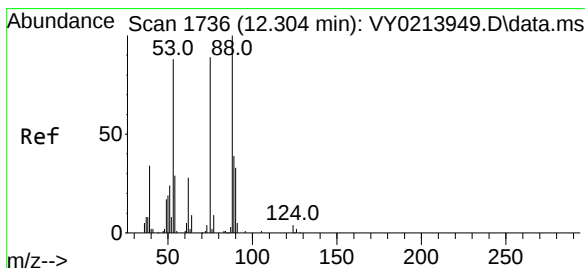
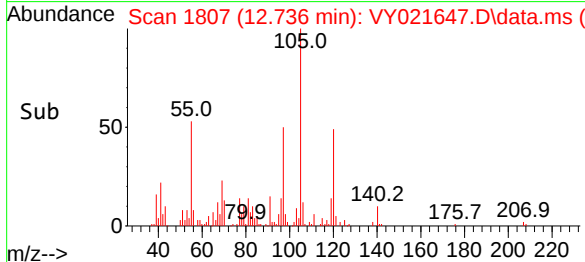
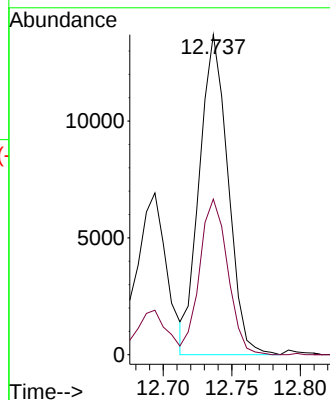
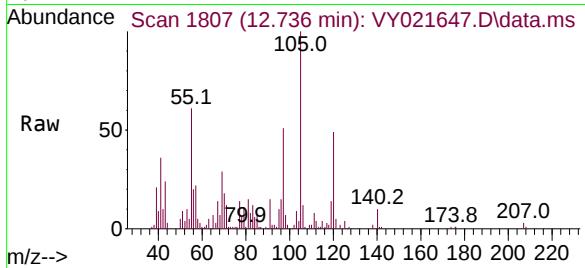




#80
 1,3,5-Trimethylbenzene
 Concen: 2.881 ug/l
 RT: 12.736 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY021647.D
 Acq: 26 Mar 2025 15:24

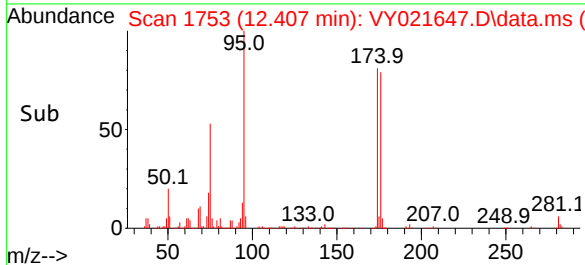
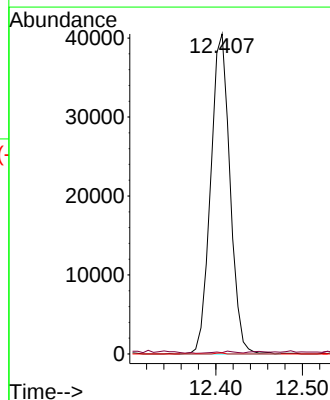
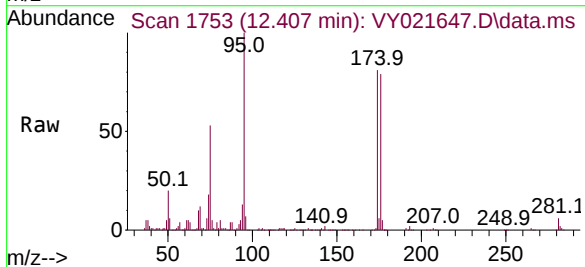
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-032525

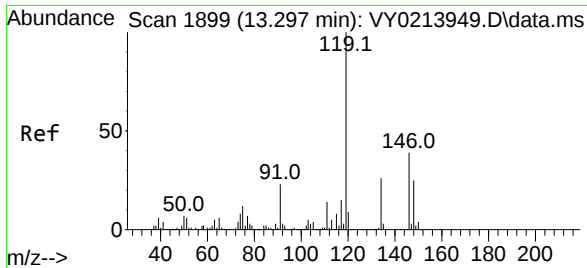
Tgt Ion:105 Resp: 19821
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.715 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021647.D
 Acq: 26 Mar 2025 15:24

Tgt Ion: 75 Resp: 62755
 Ion Ratio Lower Upper
 75 100
 53 0.6 81.0 121.4#
 89 0.1 36.9 55.3#

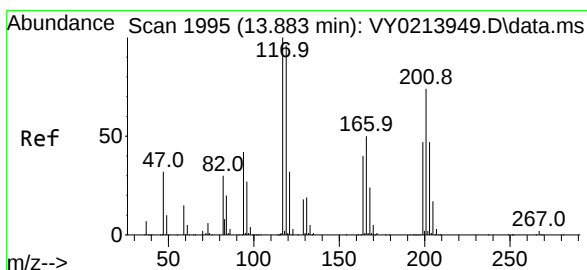
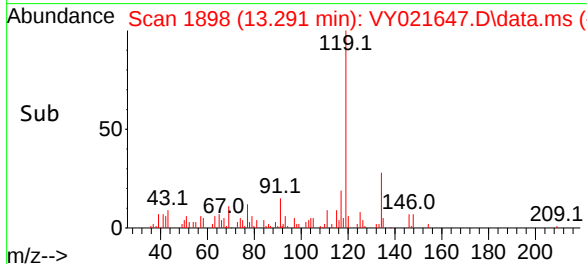
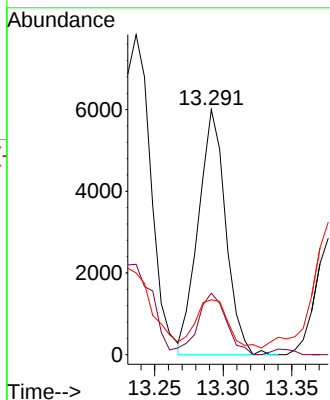
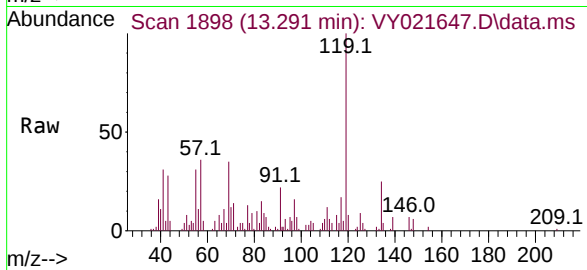




#86
 p-Isopropyltoluene
 Concen: 1.110 ug/l
 RT: 13.291 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VY021647.D
 Acq: 26 Mar 2025 15:24

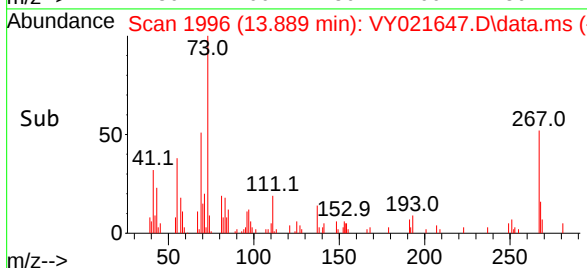
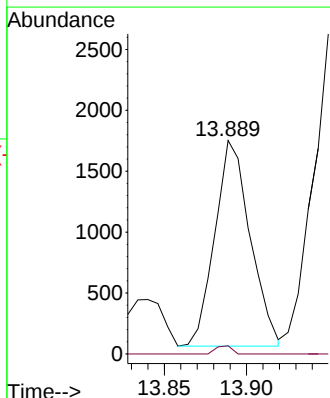
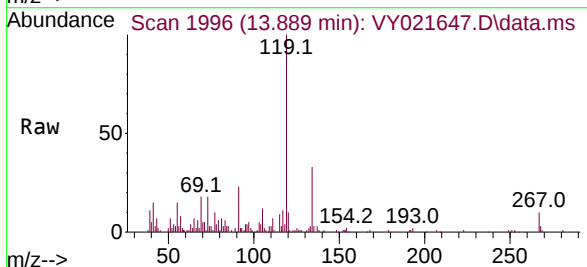
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-032525

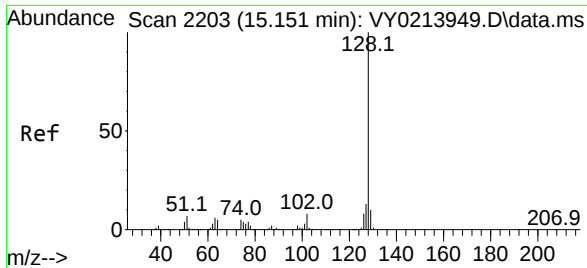
Tgt Ion:	119	Resp:	8355
Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.1
91	23.0	12.2	36.6



#90
 Hexachloroethane
 Concen: 1.574 ug/l
 RT: 13.889 min Scan# 1996
 Delta R.T. 0.006 min
 Lab File: VY021647.D
 Acq: 26 Mar 2025 15:24

Tgt Ion:	117	Resp:	2526
Ion	Ratio	Lower	Upper
117	100		
201	1.8	37.4	112.2#





#95

Naphthalene

Concen: 2.981 ug/l

RT: 15.151 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY021647.D

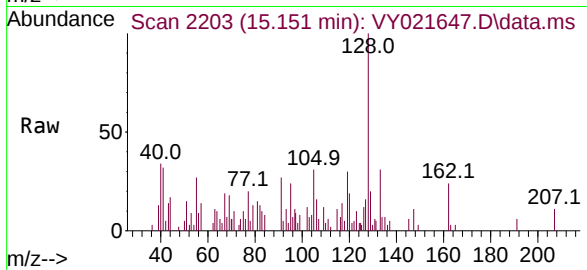
Acq: 26 Mar 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

EO-01-032525



Tgt Ion:128 Resp: 4472

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

129 17.9 8.6 13.0#

