

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072525\
 Data File : VW031934.D
 Acq On : 25 Jul 2025 14:20
 Operator : SY/MD
 Sample : Q2700-01
 Misc : 5.21g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-03-072525

Quant Time: Jul 25 23:05:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

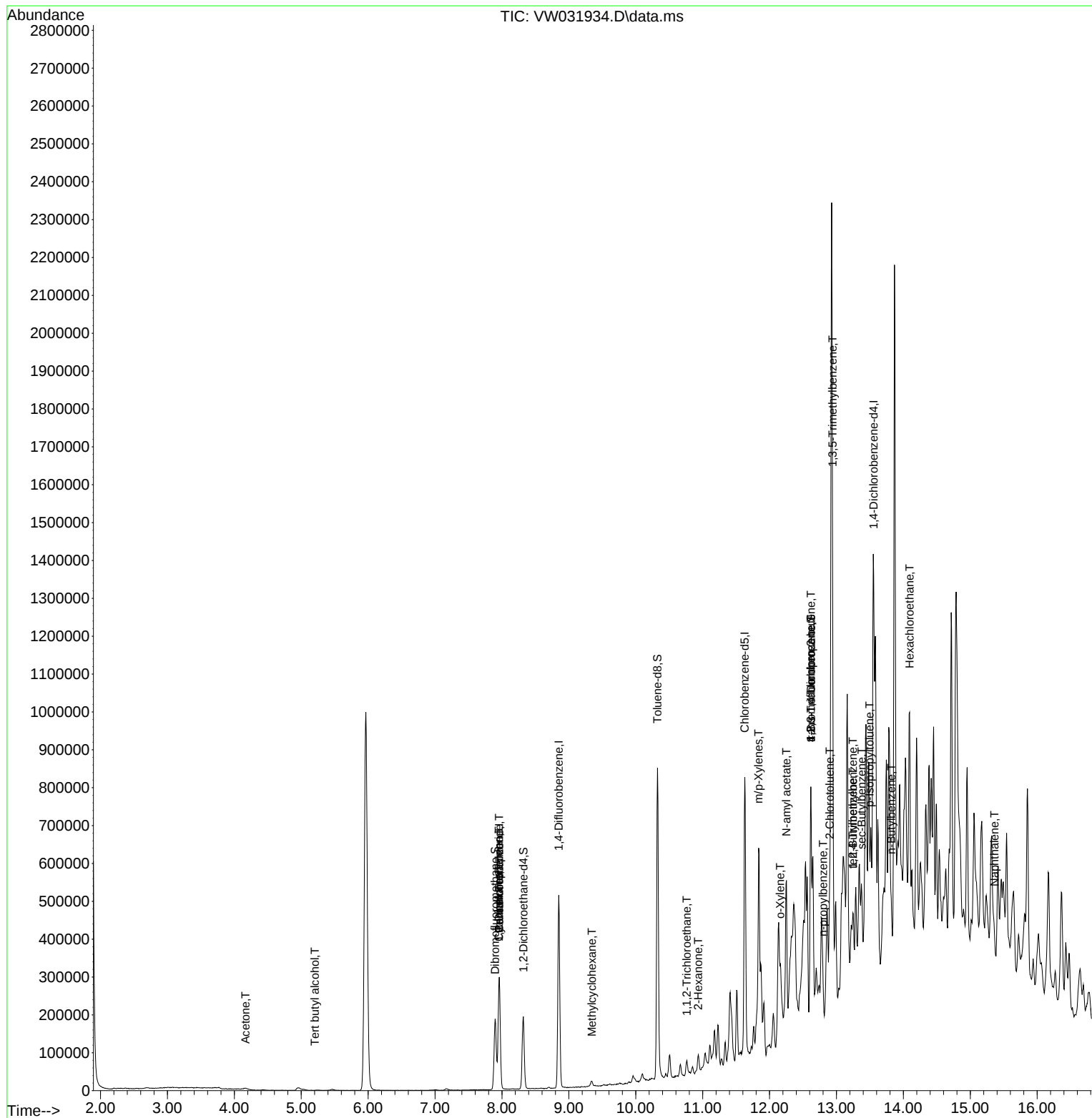
Internal Standards						
1) Pentafluorobenzene	7.959	168	201486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	424197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	404142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	187735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	158444	51.983	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.960%			
35) Dibromofluoromethane	7.898	113	135764	47.100	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 94.200%			
50) Toluene-d8	10.325	98	522977	47.939	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 95.880%			
62) 4-Bromofluorobenzene	12.617	95	190469	45.469	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 90.940%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.204	59	279	1.557	ug/l #	72
13) Acrolein	3.960	56	169	Below Cal	#	14
16) Acetone	4.167	43	4388	6.067	ug/l #	68
20) Methylene Chloride	4.954	84	6868	Below Cal	#	93
31) Cyclohexane	7.953	56	5814	1.244	ug/l #	17
36) 1,1-Dichloropropene	7.953	75	18555	4.192	ug/l #	51
38) Carbon Tetrachloride	7.959	117	24480	5.762	ug/l #	18
39) Methylcyclohexane	9.343	83	6145	1.103	ug/l	90
55) 1,1,2-Trichloroethane	10.764	97	15101	5.811	ug/l #	24
59) 2-Hexanone	10.934	43	18275	10.509	ug/l #	27
68) m/p-Xylenes	11.837	106	7278	1.112	ug/l	93
69) o-Xylene	12.160	106	28894	4.667	ug/l	91
74) N-amyl acetate	12.251	43	74898	17.008	ug/l #	64
76) 1,2,3-Trichloropropane	12.617	75	97181	37.493	ug/l #	100
78) n-propylbenzene	12.800	91	44858	2.242	ug/l	91
79) 2-Chlorotoluene	12.898	91	16030	1.342	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.940	105	251393	18.402	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.617	75	97181	86.561	ug/l #	8
83) tert-Butylbenzene	13.245	119	12469	1.072	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.245	105	99519	7.197	ug/l	94
85) sec-Butylbenzene	13.379	105	63976	3.661	ug/l	84
86) p-Isopropyltoluene	13.495	119	63492	4.396	ug/l	96
89) n-Butylbenzene	13.818	91	39935	2.818	ug/l #	57
90) Hexachloroethane	14.092	117	25590	10.245	ug/l #	23
95) Naphthalene	15.361	128	14066	1.459	ug/l #	83

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072525\
Data File : VW031934.D
Acq On : 25 Jul 2025 14:20
Operator : SY/MD
Sample : Q2700-01
Misc : 5.21g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

Quant Time: Jul 25 23:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 23 08:18:46 2025
Response via : Initial Calibration

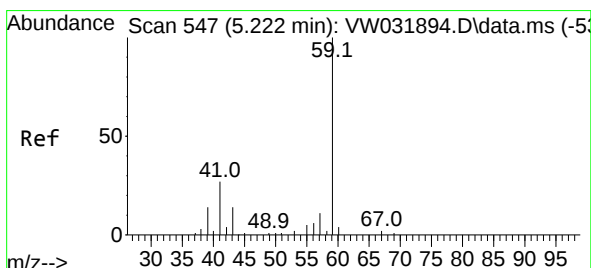
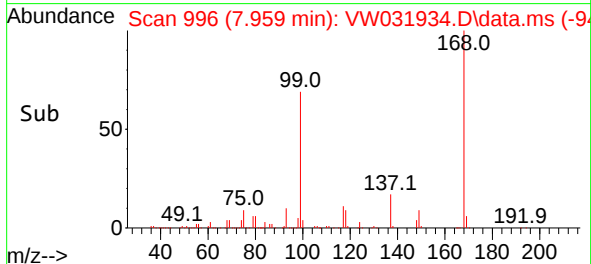
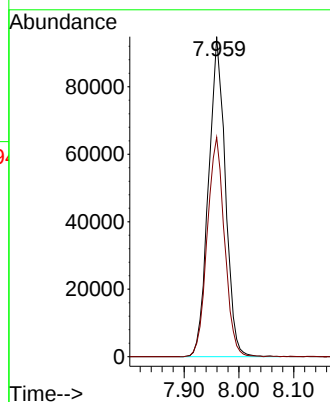
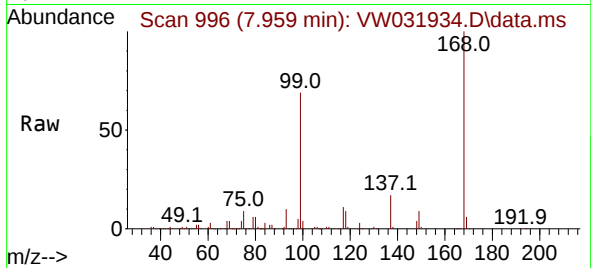




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

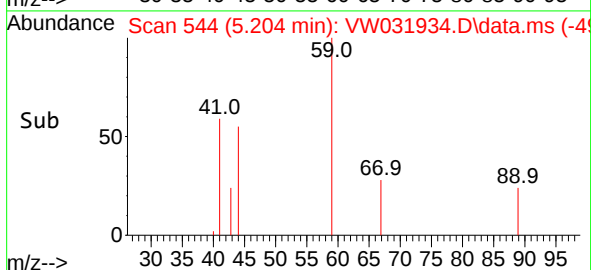
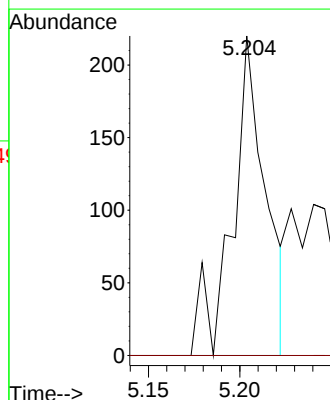
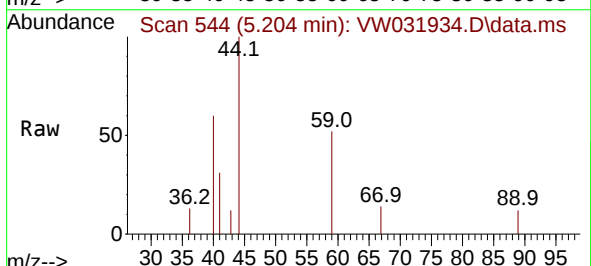
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

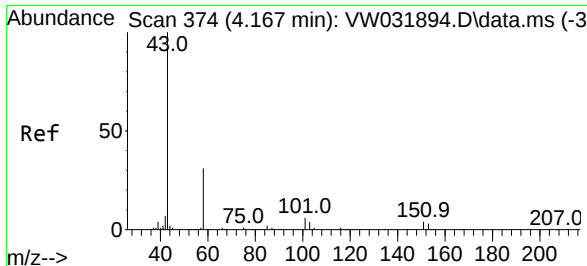
Tgt Ion:168 Resp: 201486
Ion Ratio Lower Upper
168 100
99 68.5 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.557 ug/l
RT: 5.204 min Scan# 544
Delta R.T. -0.018 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

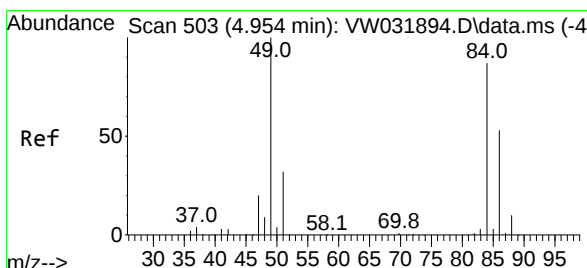
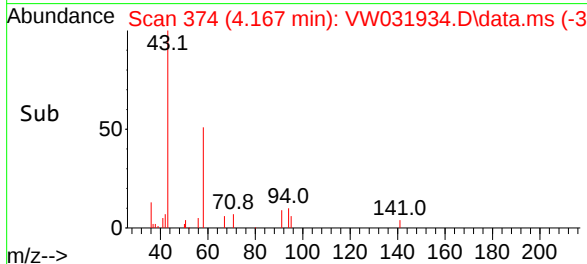
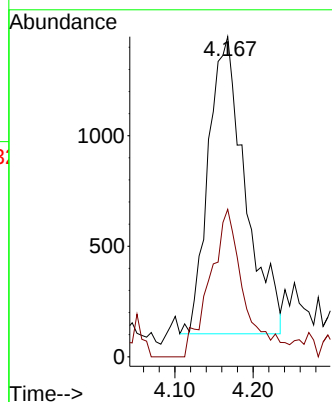
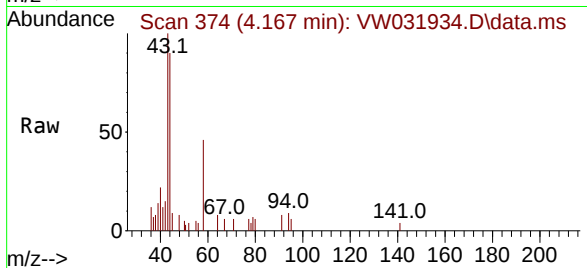




#16
Acetone
Concen: 6.067 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

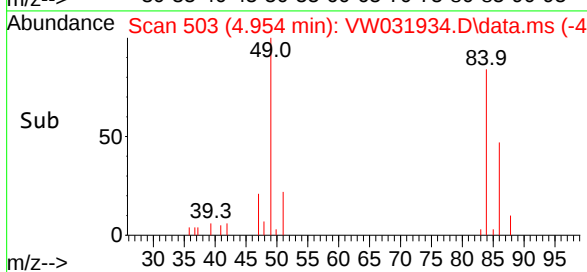
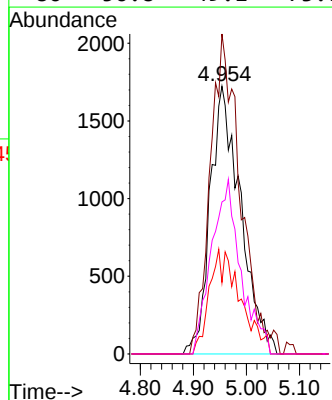
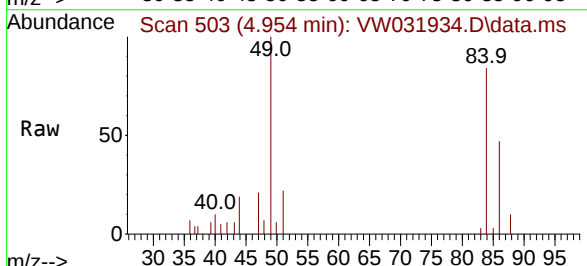
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

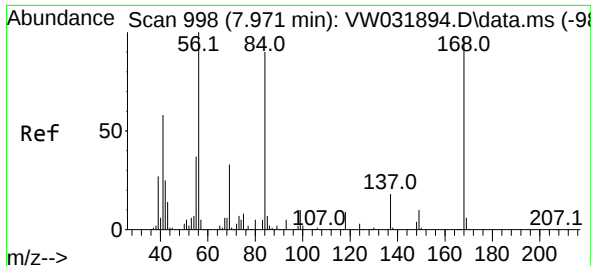
Tgt Ion: 43 Resp: 4388
Ion Ratio Lower Upper
43 100
58 49.6 25.5 38.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion: 84 Resp: 6868
Ion Ratio Lower Upper
84 100
49 119.6 91.9 137.9
51 26.7 29.0 43.6#
86 56.8 49.1 73.7

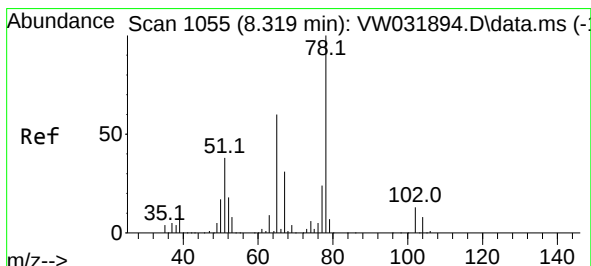
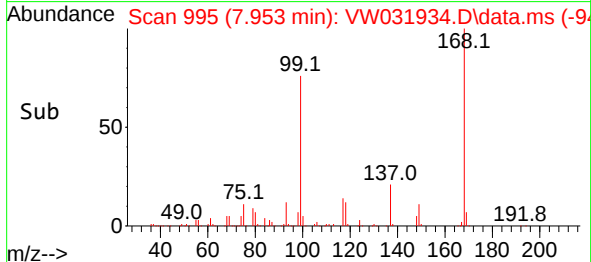
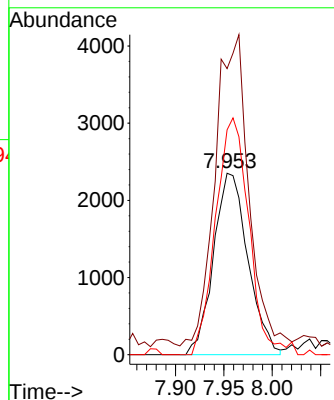
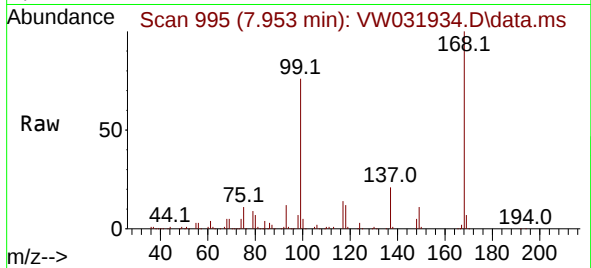




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

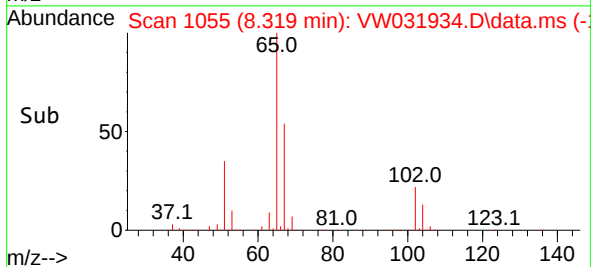
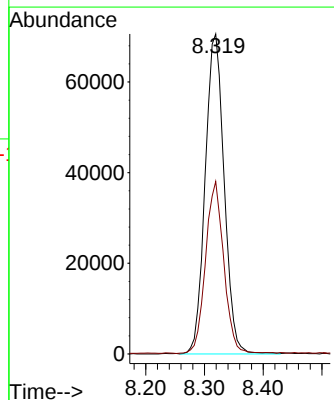
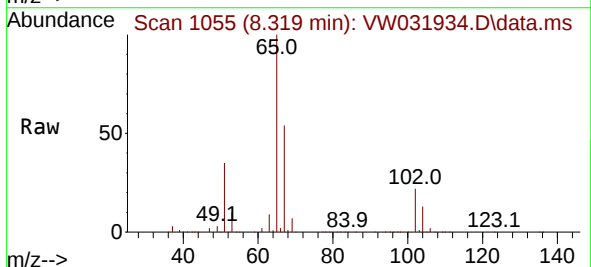
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

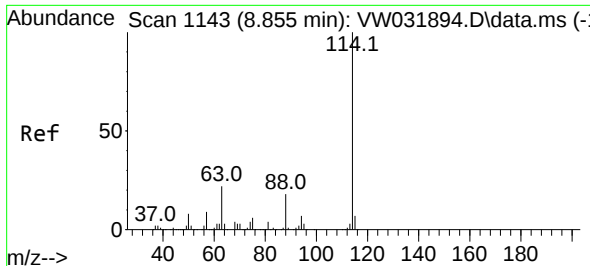
Tgt Ion: 56 Resp: 5814
Ion Ratio Lower Upper
56 100
69 152.7 26.7 40.1#
84 123.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 51.983 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion: 65 Resp: 158444
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.4

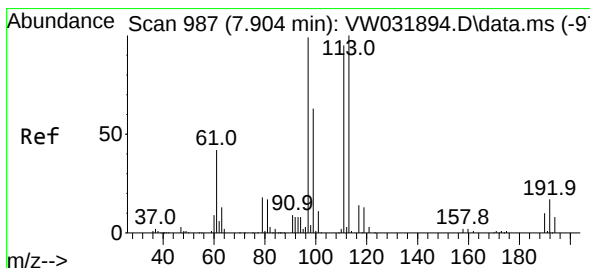
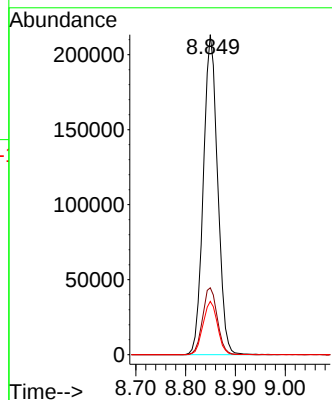
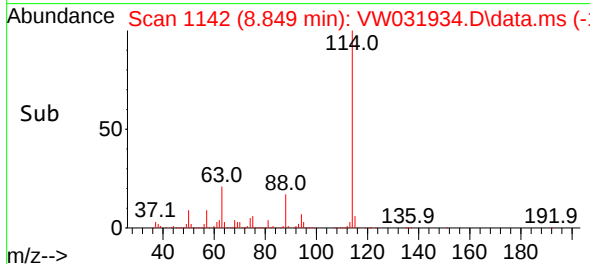
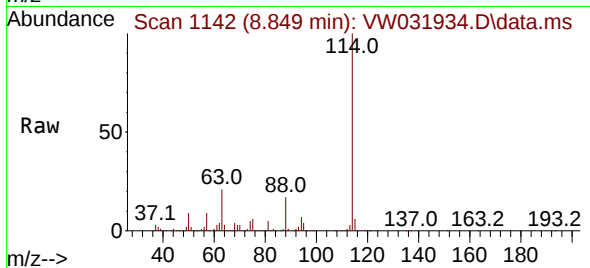




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

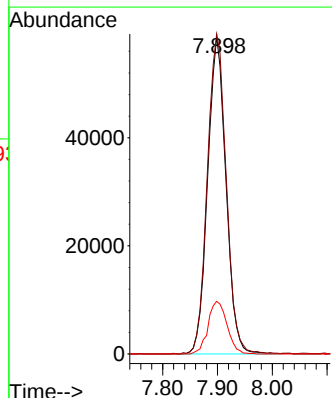
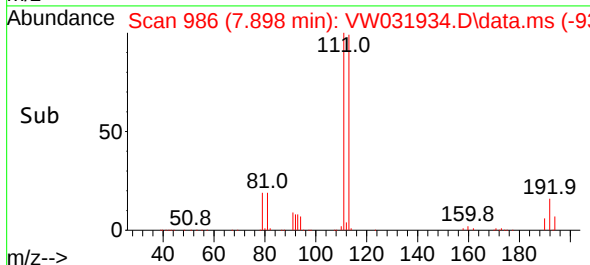
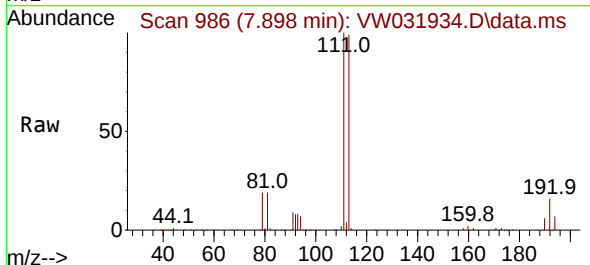
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

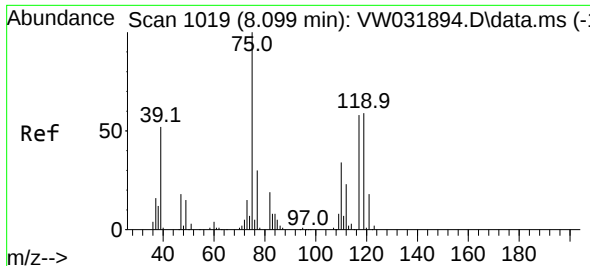
Tgt Ion:114 Resp: 424197
Ion Ratio Lower Upper
114 100
63 20.9 0.0 44.2
88 16.7 0.0 35.6



#35
Dibromofluoromethane
Concen: 47.100 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion:113 Resp: 135764
Ion Ratio Lower Upper
113 100
111 104.5 79.9 119.9
192 17.2 12.6 19.0

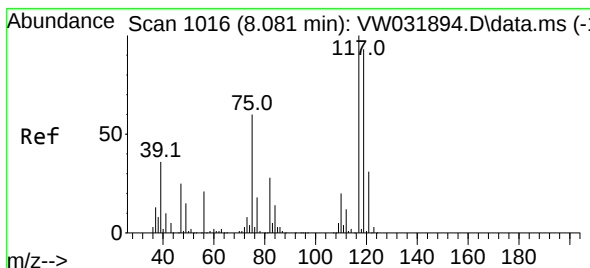
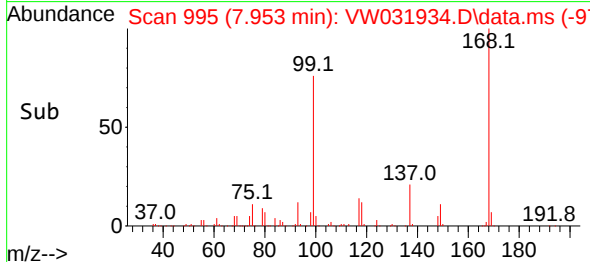
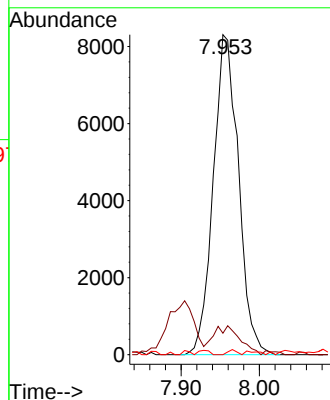
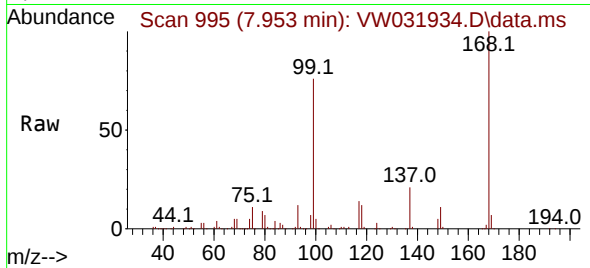




#36
 1,1-Dichloropropene
 Concen: 4.192 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW031934.D
 Acq: 25 Jul 2025 14:20

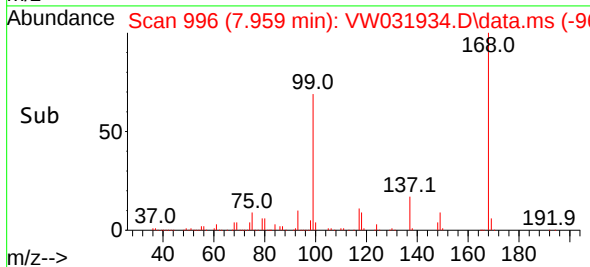
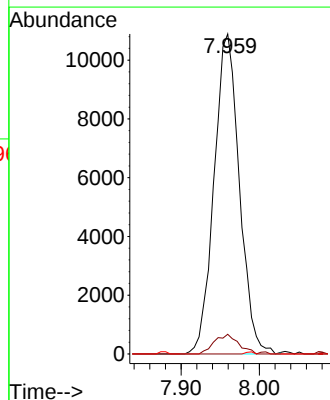
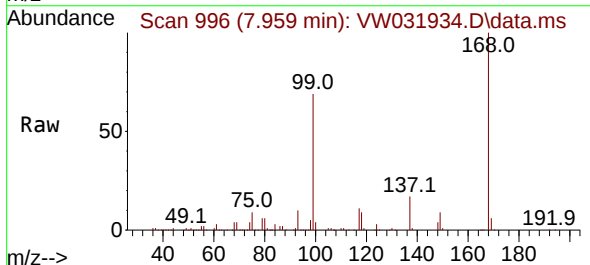
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-03-072525

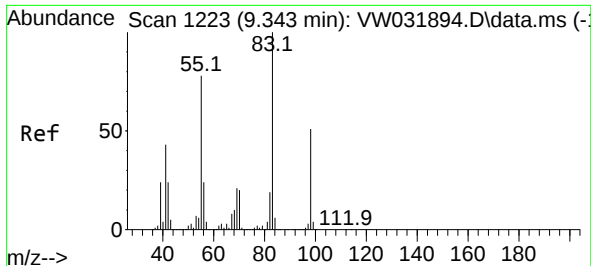
Tgt Ion: 75 Resp: 18555
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.0 50.9#
 77 0.5 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.762 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW031934.D
 Acq: 25 Jul 2025 14:20

Tgt Ion: 117 Resp: 24480
 Ion Ratio Lower Upper
 117 100
 119 6.2 74.3 111.5#
 121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 1.103 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031934.D

Acq: 25 Jul 2025 14:20

Instrument :

MSVOA_W

ClientSampleId :

EO-03-072525

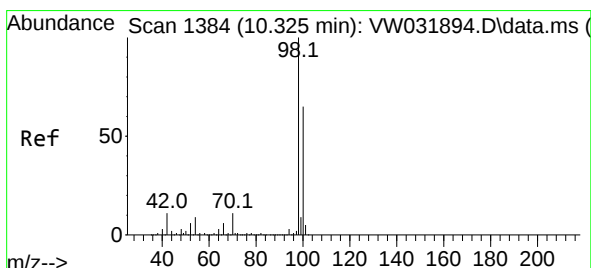
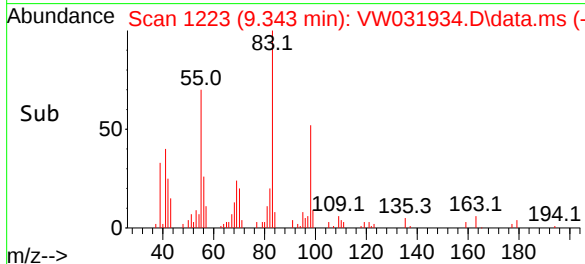
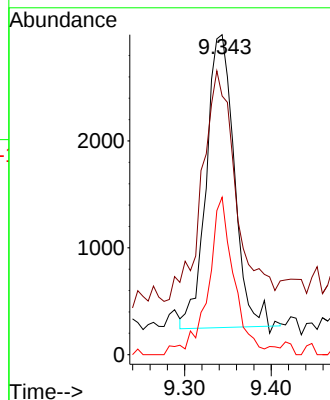
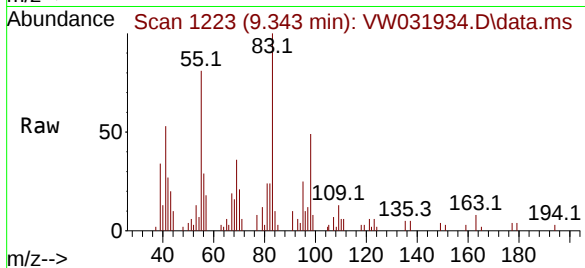
Tgt Ion: 83 Resp: 6145

Ion Ratio Lower Upper

83 100

55 64.5 62.5 93.7

98 52.1 40.6 61.0



#50

Toluene-d8

Concen: 47.939 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031934.D

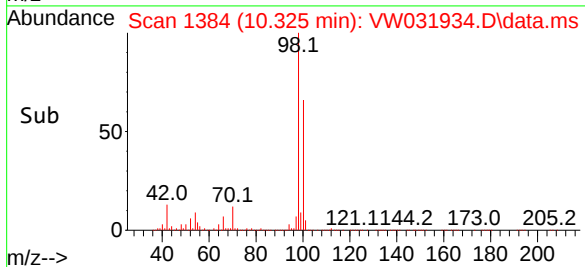
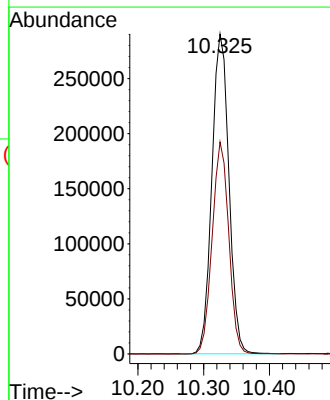
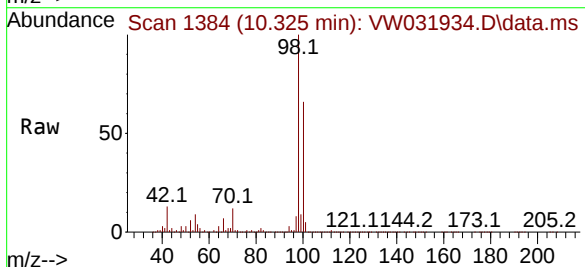
Acq: 25 Jul 2025 14:20

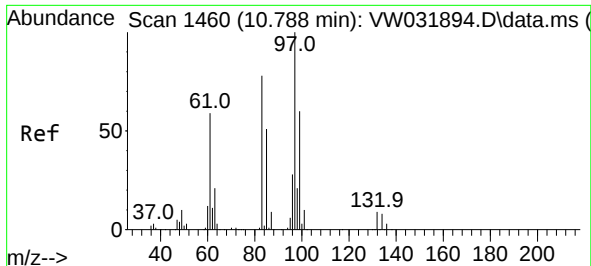
Tgt Ion: 98 Resp: 522977

Ion Ratio Lower Upper

98 100

100 64.7 51.7 77.5

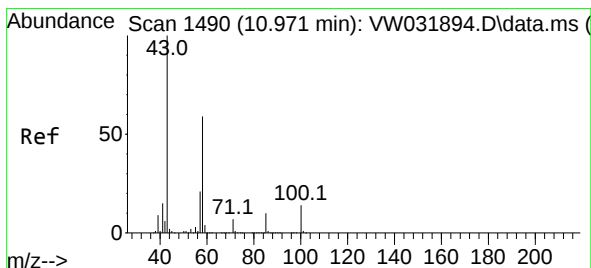
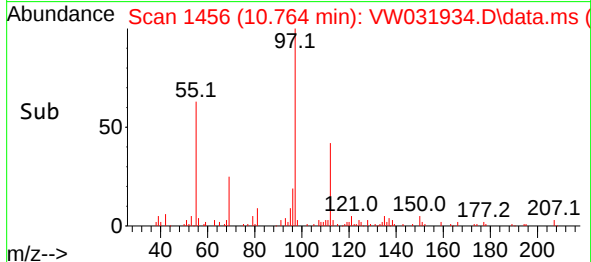
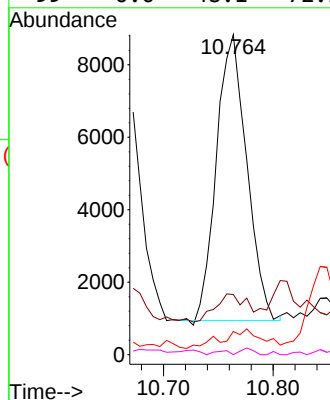
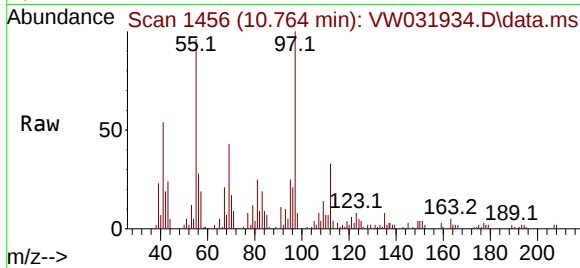




#55
1,1,2-Trichloroethane
Concen: 5.811 ug/l
RT: 10.764 min Scan# 1456
Delta R.T. -0.024 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

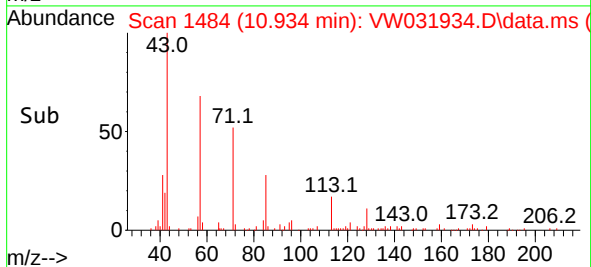
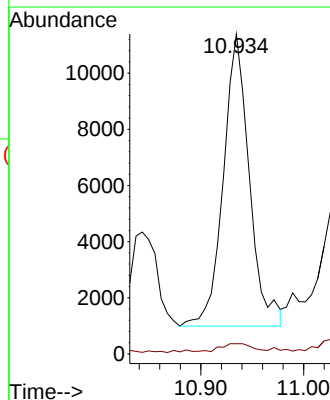
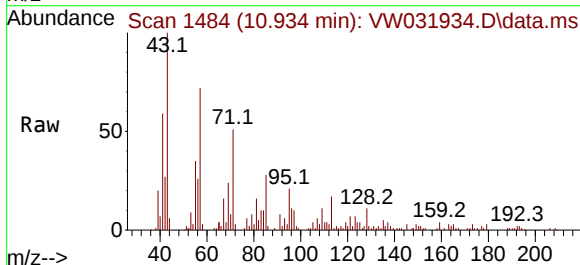
Instrument : MSVOA_W
ClientSampleId : EO-03-072525

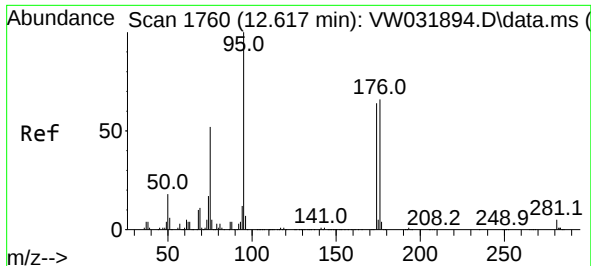
Tgt Ion: 97	Resp: 15101
Ion Ratio	Lower Upper
97 100	
83 9.0	62.4 93.6#
85 5.6	41.0 61.6#
99 0.0	48.1 72.1#



#59
2-Hexanone
Concen: 10.509 ug/l
RT: 10.934 min Scan# 1484
Delta R.T. -0.036 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion: 43	Resp: 18275
Ion Ratio	Lower Upper
43 100	
58 3.1	28.5 85.6#

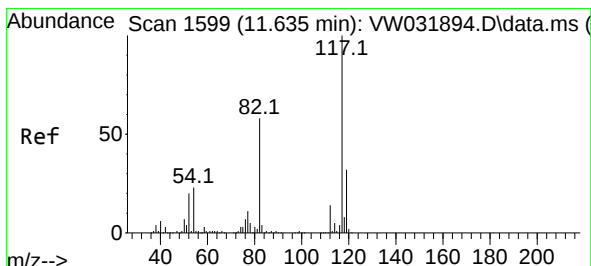
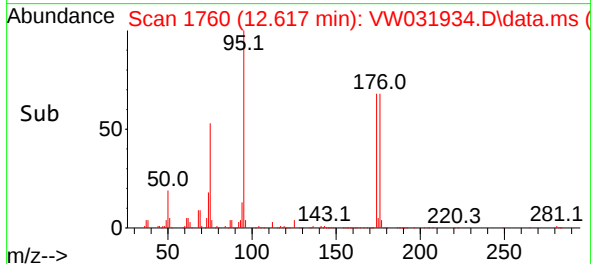
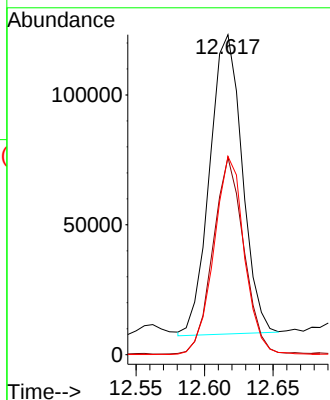
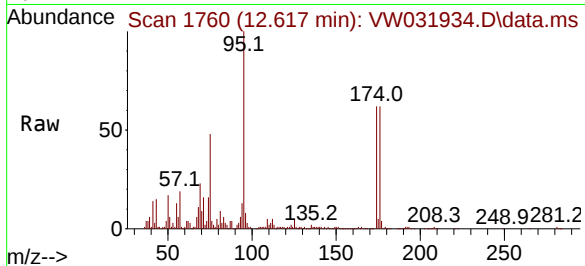




#62
4-Bromofluorobenzene
Concen: 45.469 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

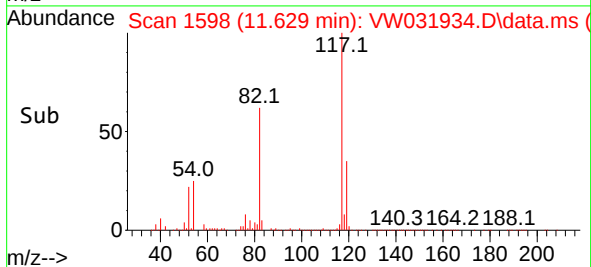
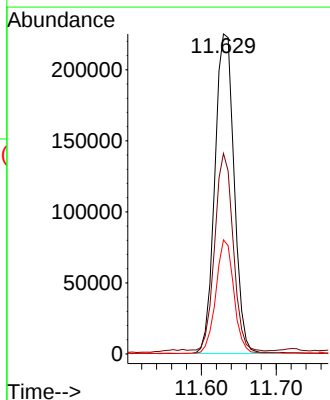
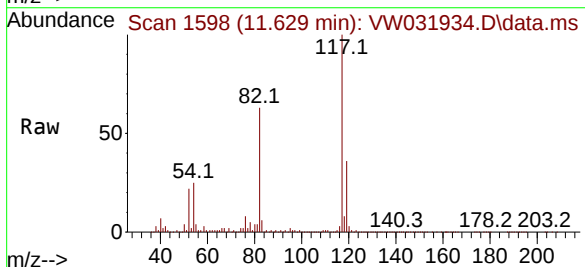
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

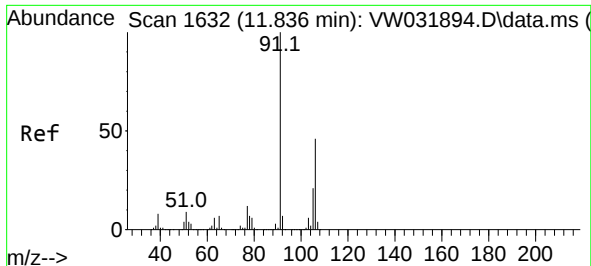
Tgt Ion: 95 Resp: 190469
Ion Ratio Lower Upper
95 100
174 62.3 0.0 129.8
176 62.2 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion: 117 Resp: 404142
Ion Ratio Lower Upper
117 100
82 61.6 46.5 69.7
119 35.6 25.8 38.6

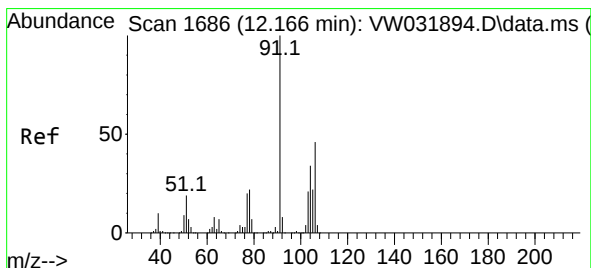
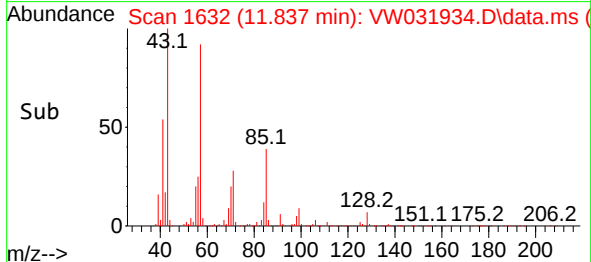
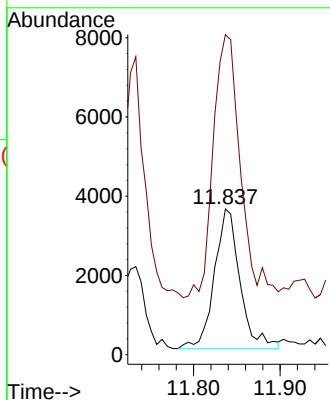
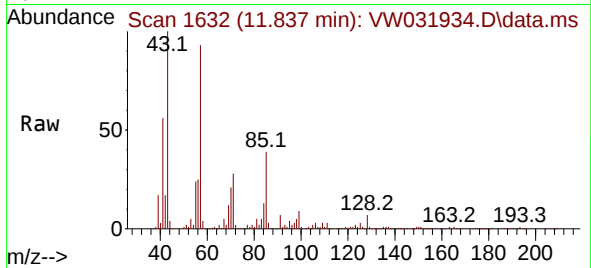




#68
m/p-Xylenes
Concen: 1.112 ug/l
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

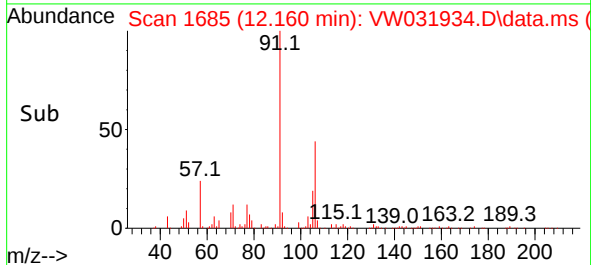
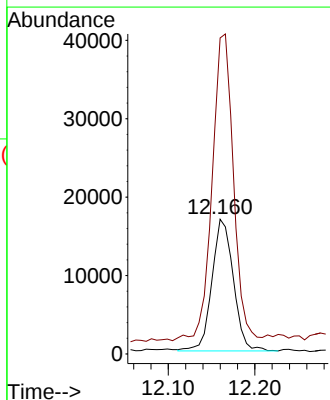
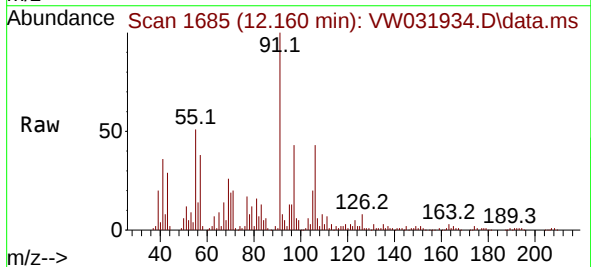
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

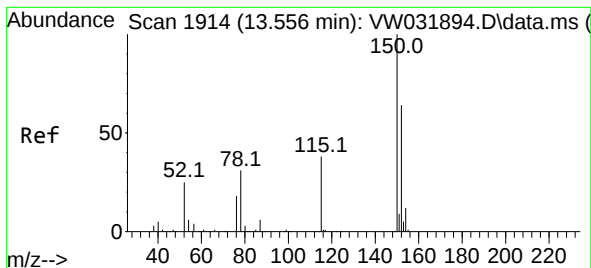
Tgt Ion:106 Resp: 7278
Ion Ratio Lower Upper
106 100
91 197.9 167.7 251.5



#69
o-Xylene
Concen: 4.667 ug/l
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion:106 Resp: 28894
Ion Ratio Lower Upper
106 100
91 231.1 108.2 324.6

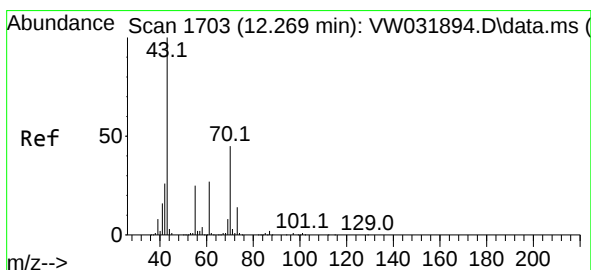
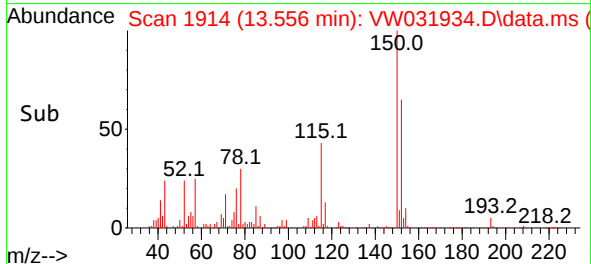
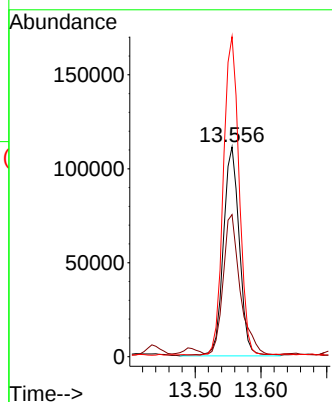
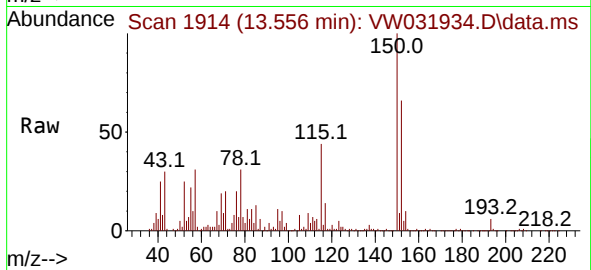




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

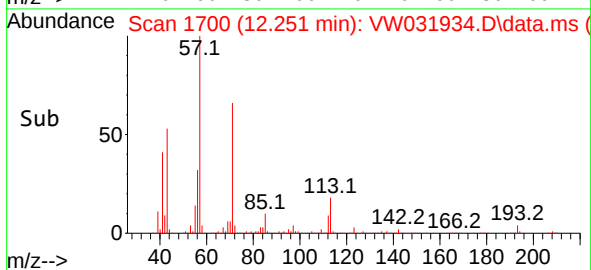
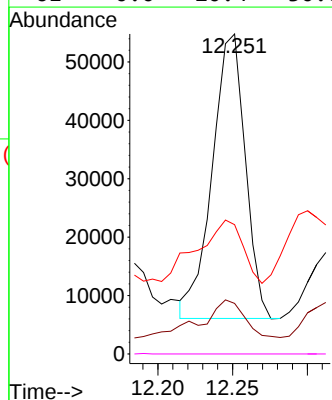
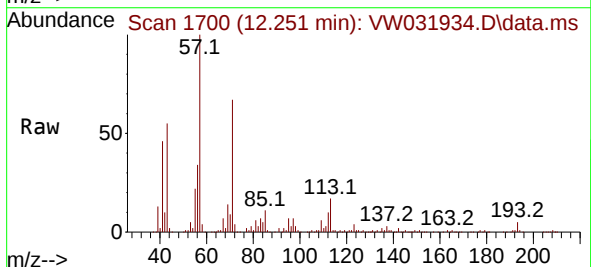
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

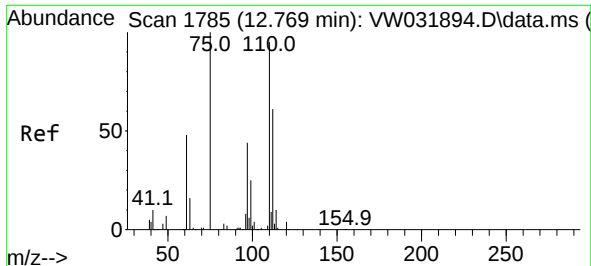
Tgt Ion:152 Resp: 187735
Ion Ratio Lower Upper
152 100
115 71.2 33.4 100.1
150 150.2 0.0 352.2



#74
N-ethyl acetate
Concen: 17.008 ug/l
RT: 12.251 min Scan# 1700
Delta R.T. -0.018 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion: 43 Resp: 74898
Ion Ratio Lower Upper
43 100
70 17.7 36.6 55.0#
55 30.4 20.7 31.1
61 0.0 20.4 30.6#

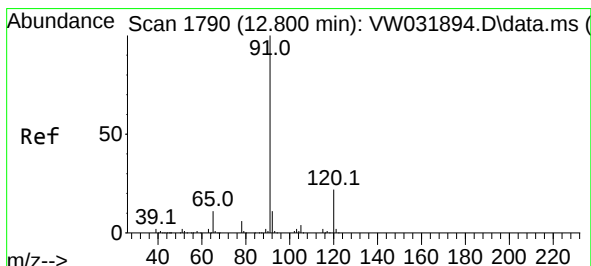
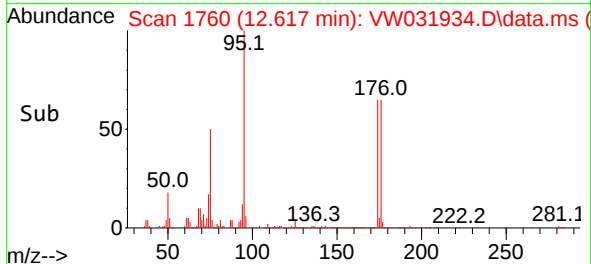
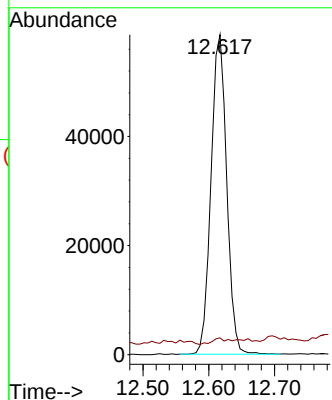
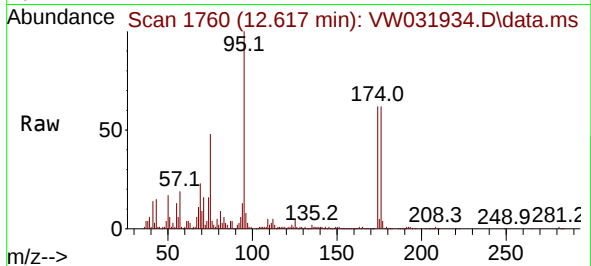




#76
1,2,3-Trichloropropane
Concen: 37.493 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

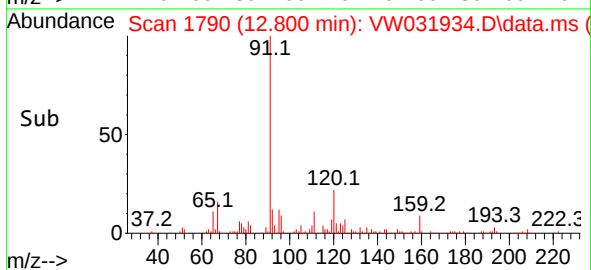
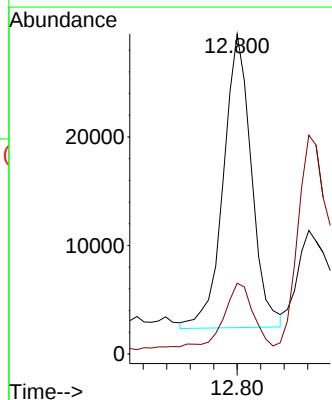
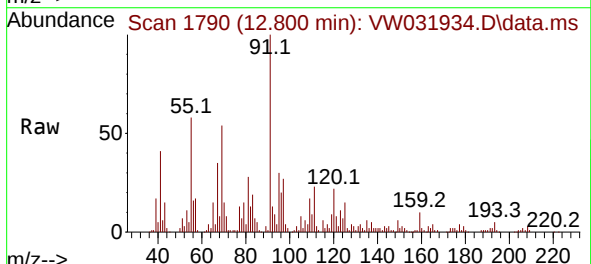
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

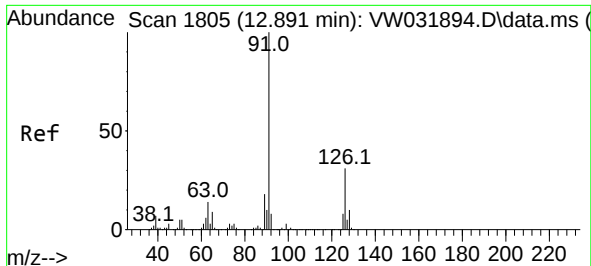
Tgt Ion: 75 Resp: 97181
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#78
n-propylbenzene
Concen: 2.242 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion: 91 Resp: 44858
Ion Ratio Lower Upper
91 100
120 26.0 10.9 32.6

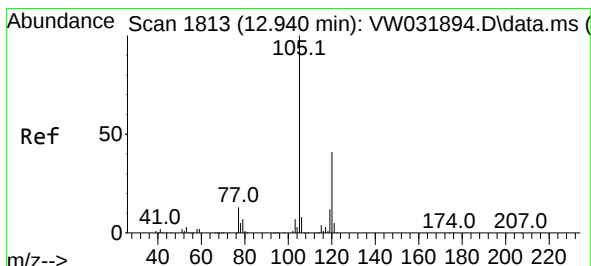
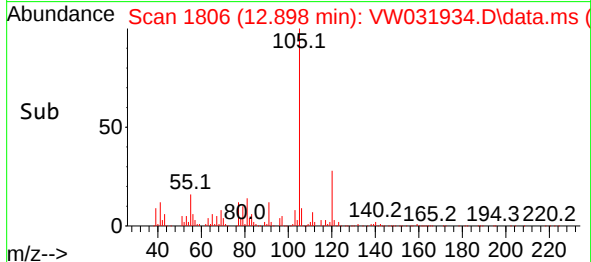
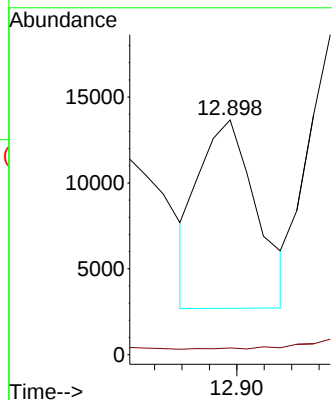
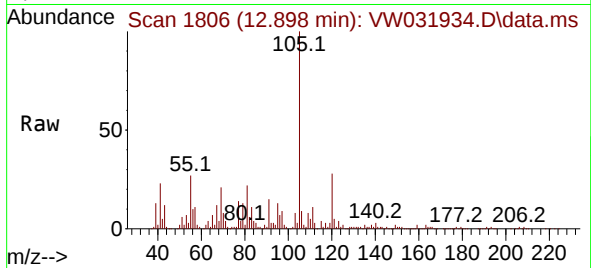




#79
2-Chlorotoluene
Concen: 1.342 ug/l
RT: 12.898 min Scan# 1806
Delta R.T. 0.006 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

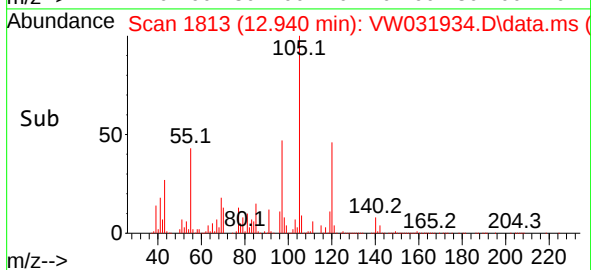
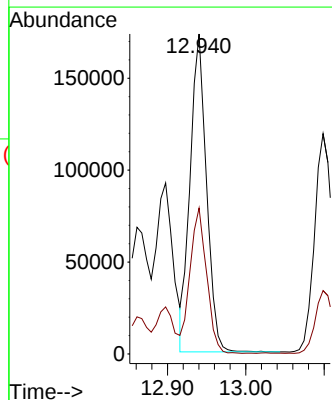
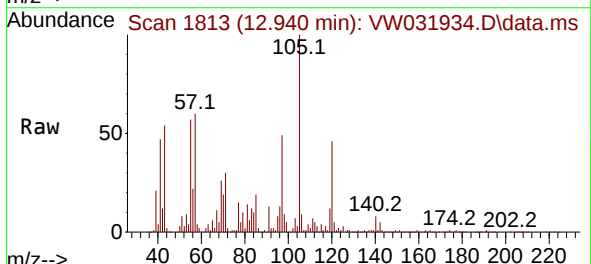
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

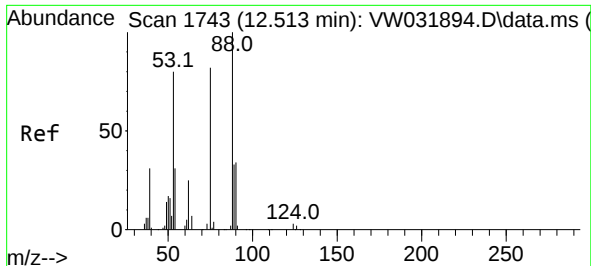
Tgt Ion: 91 Resp: 16030
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.8#



#80
1,3,5-Trimethylbenzene
Concen: 18.402 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion: 105 Resp: 251393
Ion Ratio Lower Upper
105 100
120 46.4 23.5 70.5

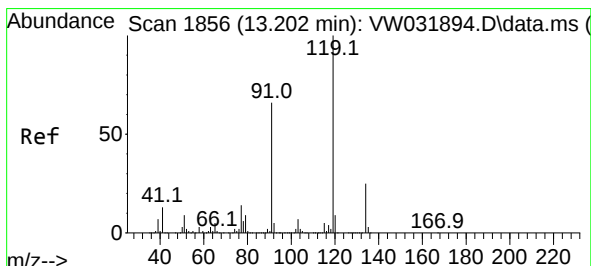
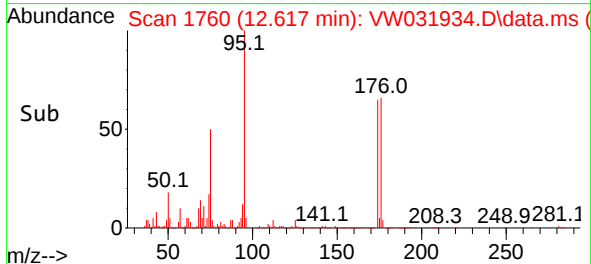
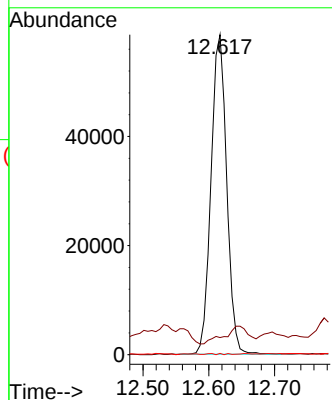
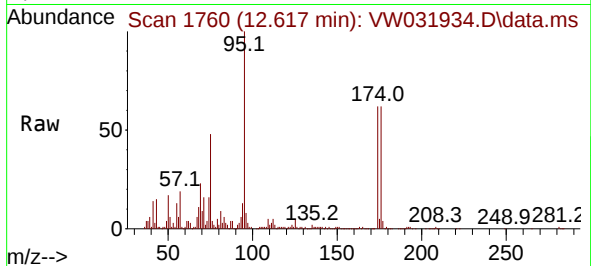




#81
trans-1,4-Dichloro-2-butene
Concen: 86.561 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

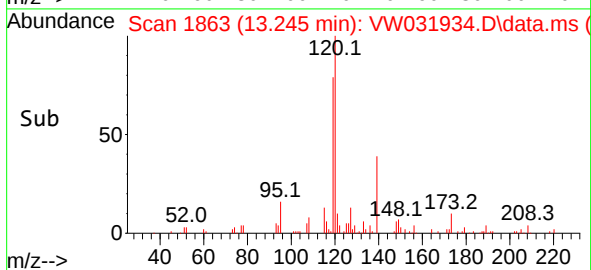
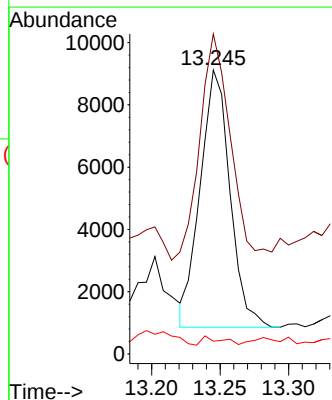
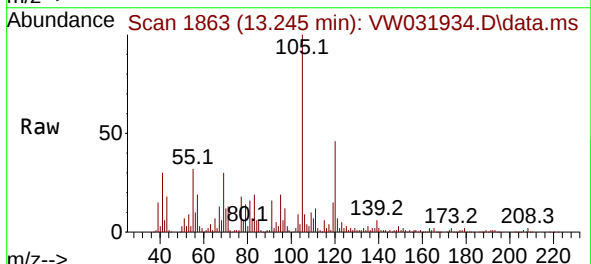
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

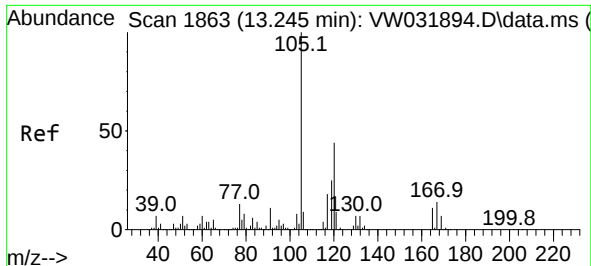
Tgt Ion: 75 Resp: 97181
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.1 39.0 58.6#



#83
tert-Butylbenzene
Concen: 1.072 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.043 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion: 119 Resp: 12469
Ion Ratio Lower Upper
119 100
91 90.6 35.5 106.5
134 0.0 12.4 37.0#

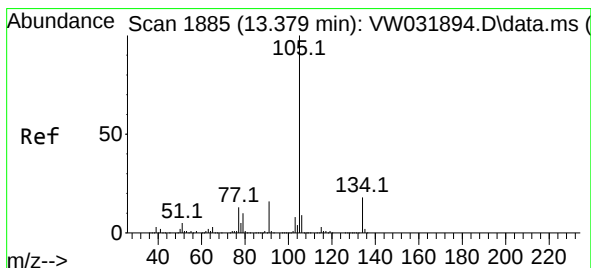
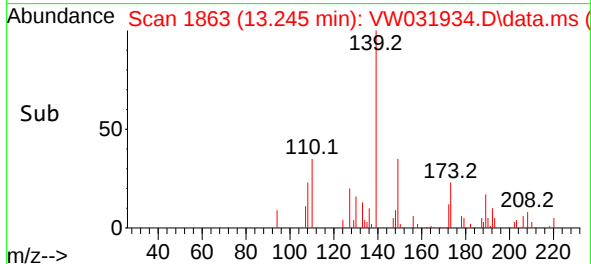
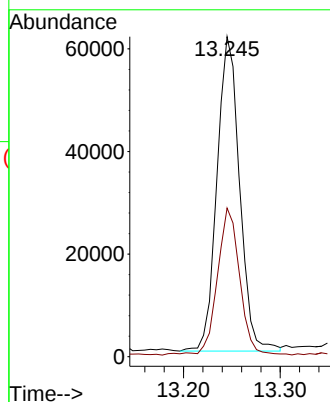
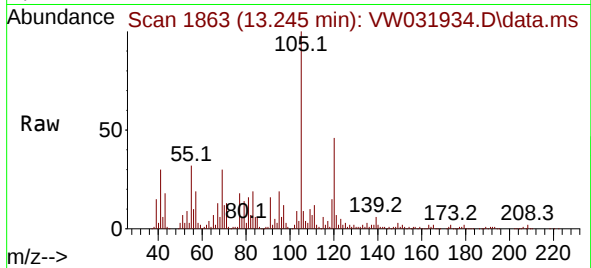




#84
1,2,4-Trimethylbenzene
Concen: 7.197 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

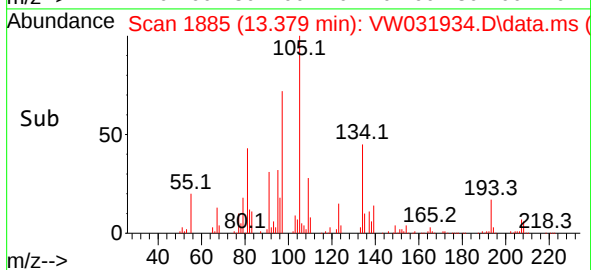
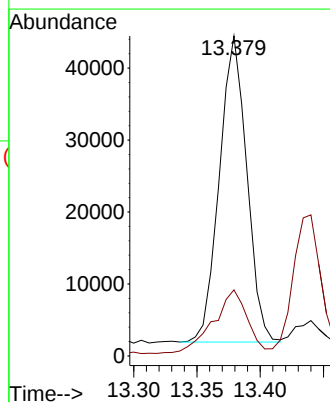
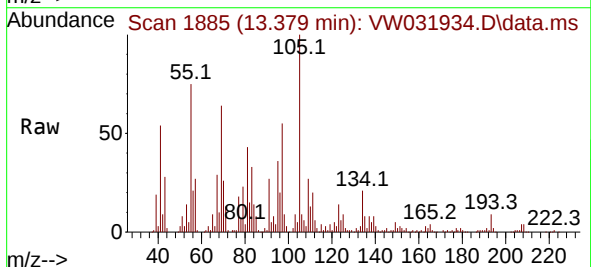
Instrument :
MSVOA_W
ClientSampleId :
EO-03-072525

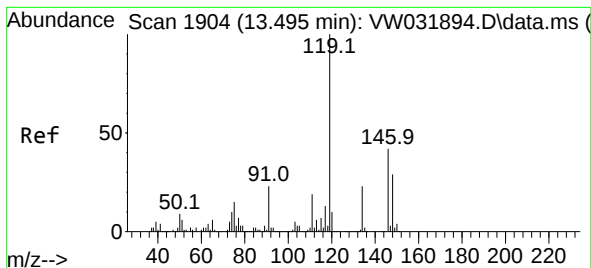
Tgt Ion:105 Resp: 99519
Ion Ratio Lower Upper
105 100
120 46.2 21.3 63.9



#85
sec-Butylbenzene
Concen: 3.661 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW031934.D
Acq: 25 Jul 2025 14:20

Tgt Ion:105 Resp: 63976
Ion Ratio Lower Upper
105 100
134 25.6 9.2 27.6





#86

p-Isopropyltoluene

Concen: 4.396 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031934.D

Acq: 25 Jul 2025 14:20

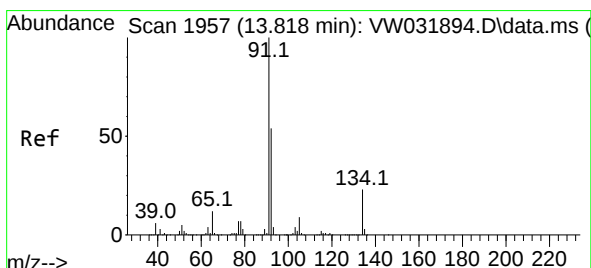
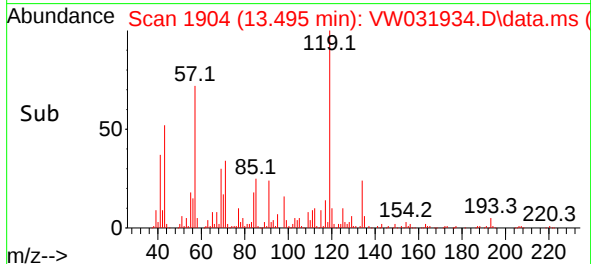
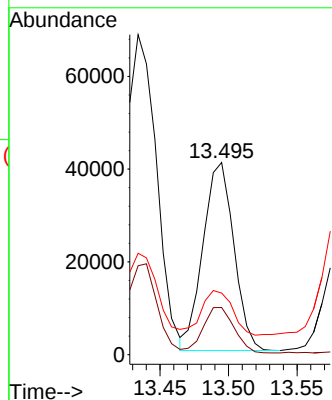
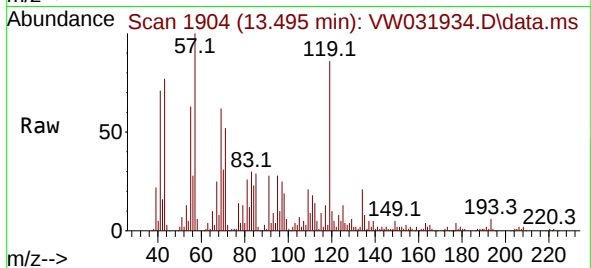
Instrument :

MSVOA_W

ClientSampleId :

EO-03-072525

Tgt Ion:119	Resp:	63492
Ion	Ratio	Lower Upper
119	100	
134	24.2	13.0 39.0
91	22.8	12.7 38.1



#89

n-Butylbenzene

Concen: 2.818 ug/l

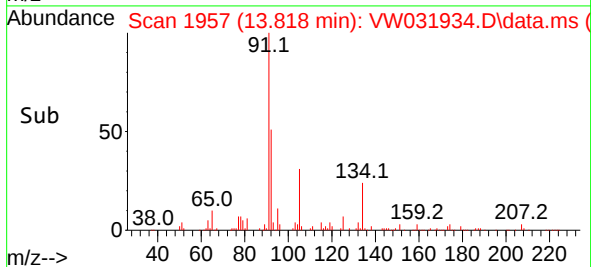
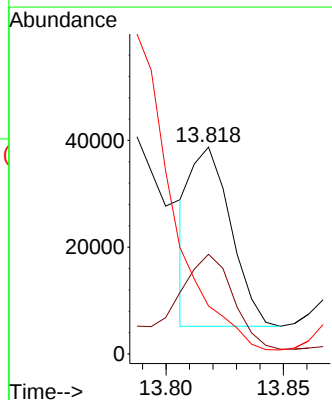
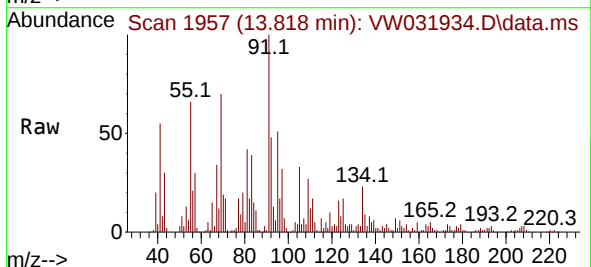
RT: 13.818 min Scan# 1957

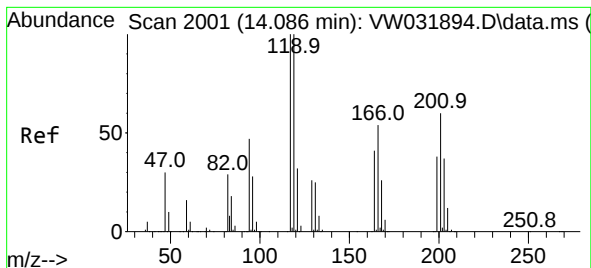
Delta R.T. 0.000 min

Lab File: VW031934.D

Acq: 25 Jul 2025 14:20

Tgt Ion: 91	Resp:	39935
Ion	Ratio	Lower Upper
91	100	
92	84.1	27.2 81.5#
134	0.0	11.6 34.7#





#90

Hexachloroethane

Concen: 10.245 ug/l

RT: 14.092 min Scan# 2001

Delta R.T. 0.006 min

Lab File: VW031934.D

Acq: 25 Jul 2025 14:20

Instrument :

MSVOA_W

ClientSampleId :

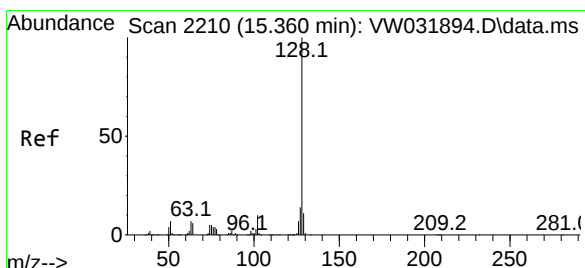
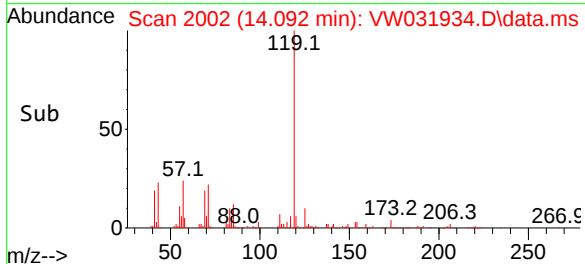
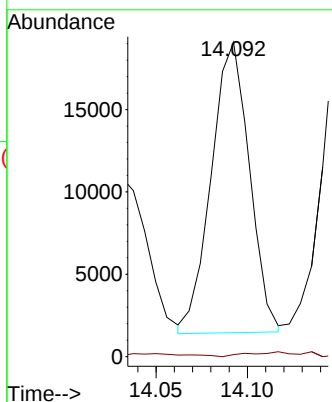
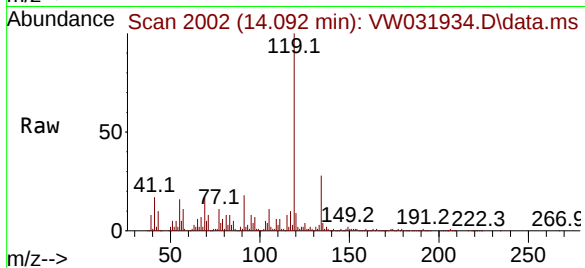
EO-03-072525

Tgt Ion:117 Resp: 25590

Ion Ratio Lower Upper

117 100

201 0.0 28.4 85.2#



#95

Naphthalene

Concen: 1.459 ug/l

RT: 15.361 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW031934.D

Acq: 25 Jul 2025 14:20

Tgt Ion:128 Resp: 14066

Ion Ratio Lower Upper

128 100

127 15.8 10.7 16.1

129 0.0 9.2 13.8#

