

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022876.D
 Acq On : 30 Jun 2025 13:08
 Operator : SY/MD
 Sample : Q2452-07
 Misc : 5.29g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-2-VOC

Quant Time: Jul 01 03:36:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

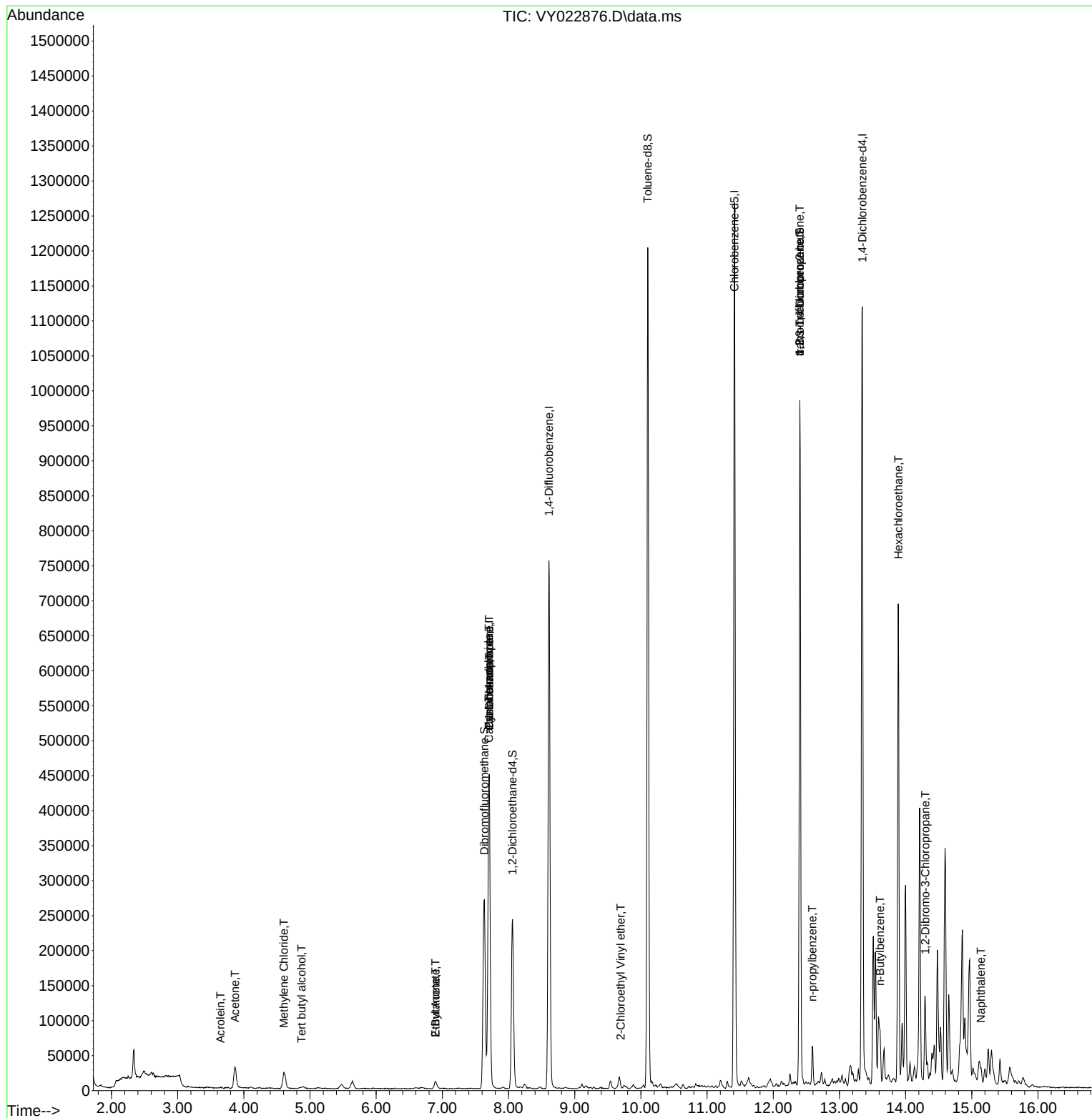
Internal Standards						
1) Pentafluorobenzene	7.707	168	343643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	630320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	630461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	274123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	190698	49.720	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.440%
35) Dibromofluoromethane	7.634	113	195740	51.063	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.120%
50) Toluene-d8	10.103	98	765783	50.344	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.402	95	280118	57.285	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	114.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	1264	4.956	ug/l	95
13) Acrolein	3.647	56	785	2.270	ug/l	97
16) Acetone	3.867	43	56421	77.831	ug/l	99
20) Methylene Chloride	4.604	84	16408	3.584	ug/l	97
25) 2-Butanone	6.897	43	18206	17.256	ug/l	90
31) Cyclohexane	7.707	56	8791	1.334	ug/l #	32
36) 1,1-Dichloropropene	7.707	75	29187	5.023	ug/l #	50
37) Ethyl Acetate	6.897	43	18206	7.261	ug/l #	72
38) Carbon Tetrachloride	7.701	117	34929	5.697	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.695	63	25	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	157616	56.320	ug/l #	100
78) n-propylbenzene	12.591	91	39168	1.600	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.402	75	157616	142.287	ug/l #	11
89) n-Butylbenzene	13.615	91	43575	2.563	ug/l #	79
90) Hexachloroethane	13.889	117	32763	9.102	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.298	75	771	1.391	ug/l #	2
95) Naphthalene	15.139	128	9256	1.115	ug/l #	92

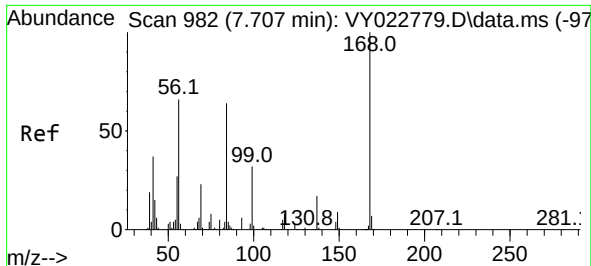
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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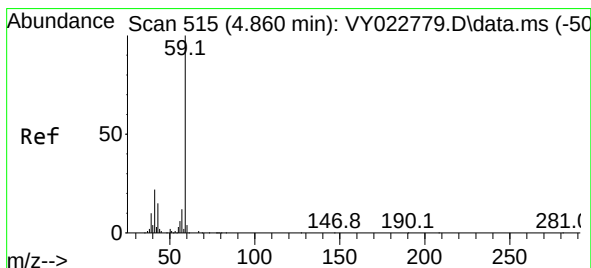
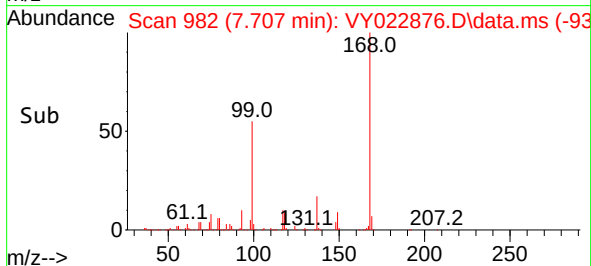
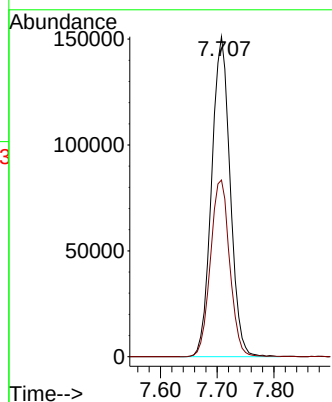
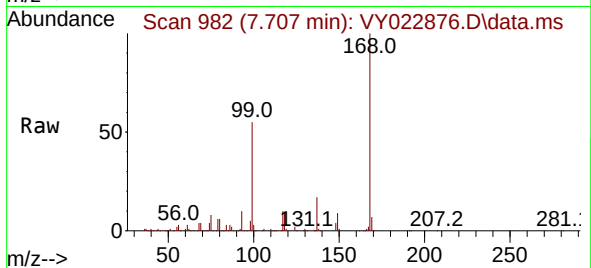




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

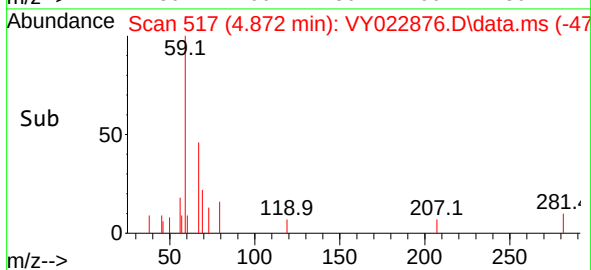
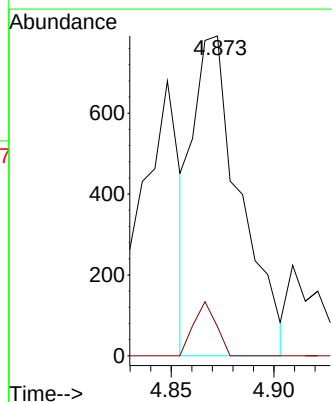
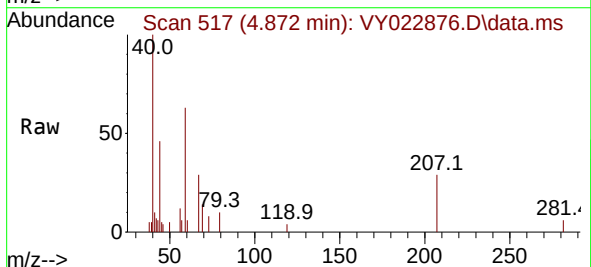
Instrument :
MSVOA_Y
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EP-2-VOC

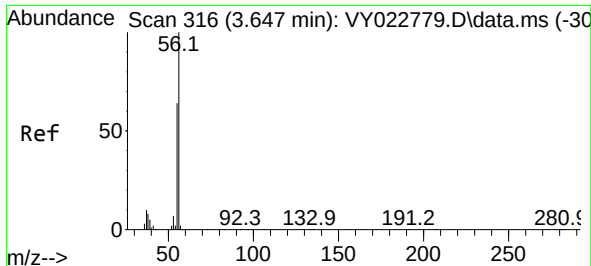
Tgt Ion:168 Resp: 343643
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#11
Tert butyl alcohol
Concen: 4.956 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.012 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion: 59 Resp: 1264
Ion Ratio Lower Upper
59 100
57 8.1 8.0 12.0

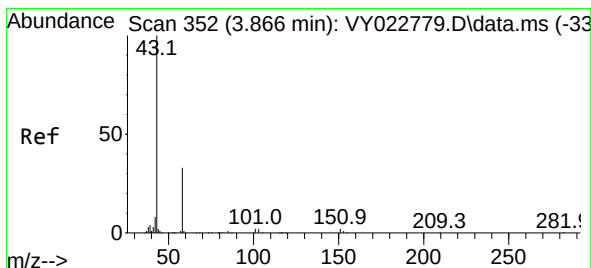
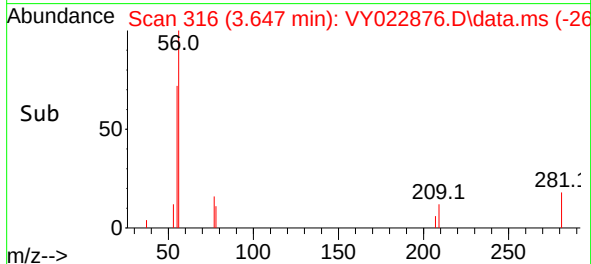
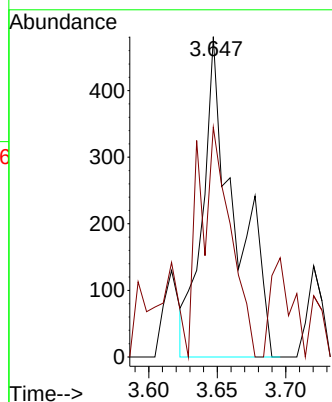
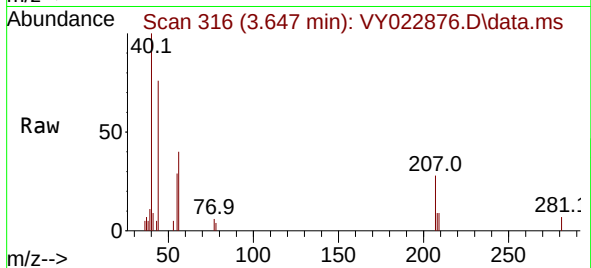




#13
Acrolein
Concen: 2.270 ug/l
RT: 3.647 min Scan# 316
Delta R.T. -0.012 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

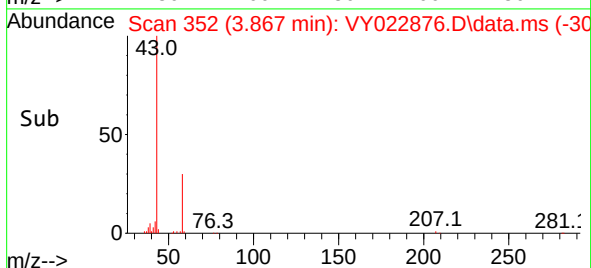
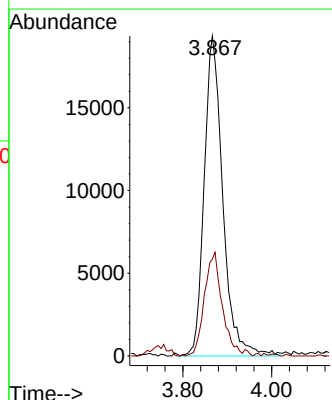
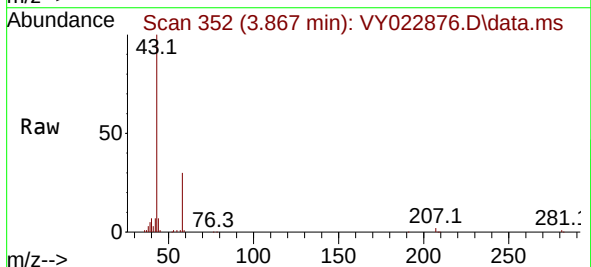
Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

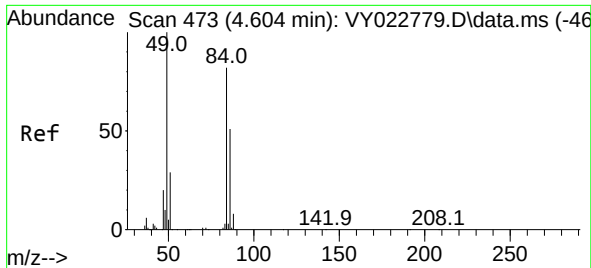
Tgt Ion: 56 Resp: 785
Ion Ratio Lower Upper
56 100
55 69.0 57.0 85.6



#16
Acetone
Concen: 77.831 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion: 43 Resp: 56421
Ion Ratio Lower Upper
43 100
58 30.3 24.0 36.0

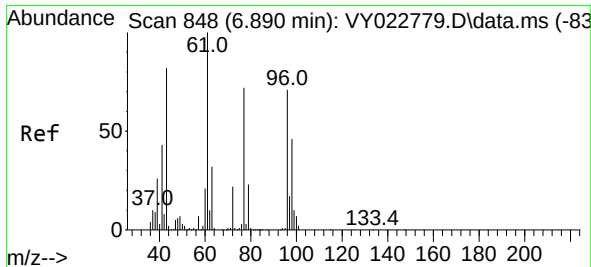
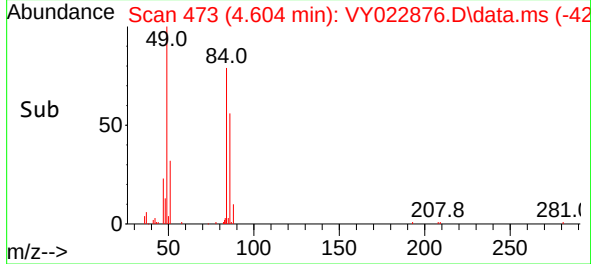
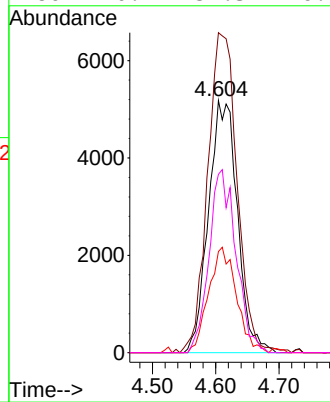
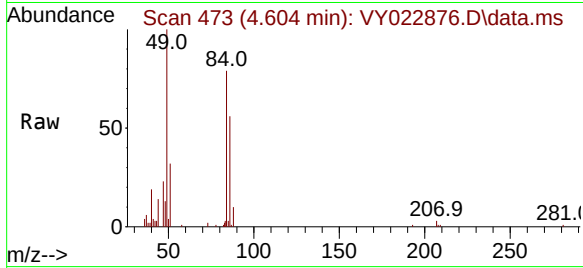




#20
Methylene Chloride
Concen: 3.584 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

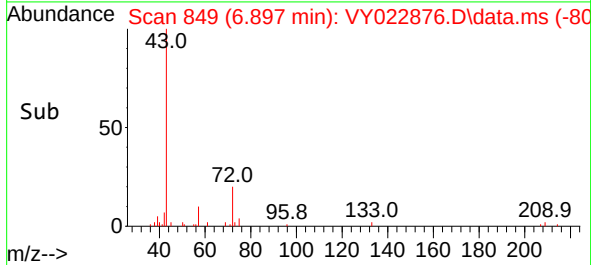
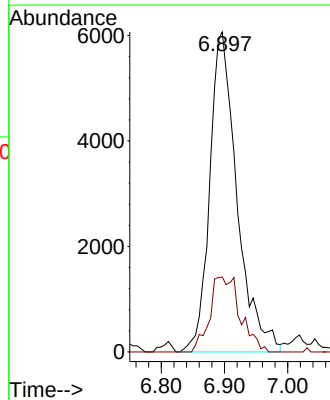
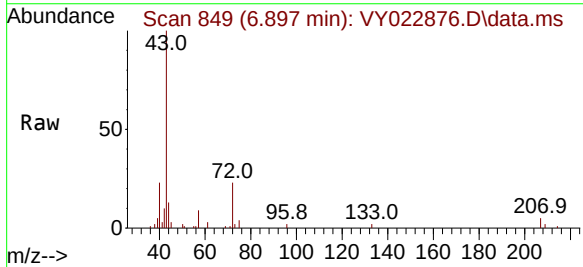
Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

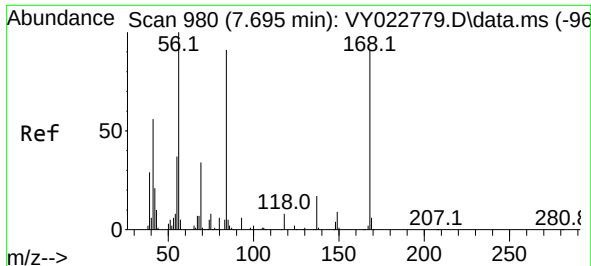
Tgt Ion:	84	Resp:	16408
Ion	Ratio	Lower	Upper
84	100		
49	126.9	101.9	152.9
51	40.1	29.8	44.8
86	70.7	51.3	76.9



#25
2-Butanone
Concen: 17.256 ug/l
RT: 6.897 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion:	43	Resp:	18206
Ion	Ratio	Lower	Upper
43	100		
72	23.4	22.9	34.3

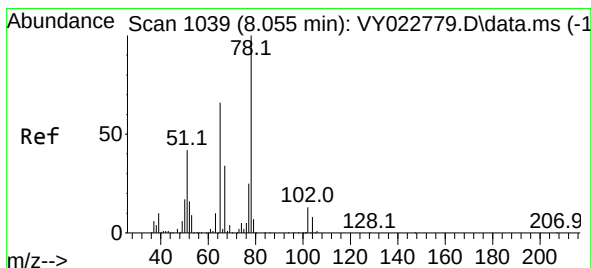
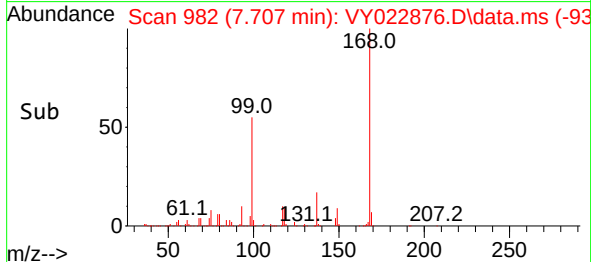
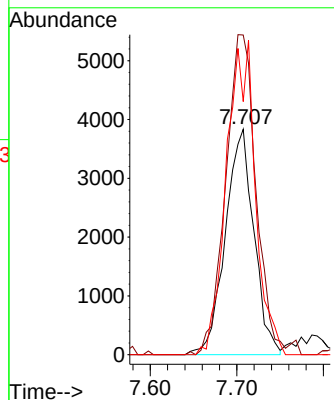
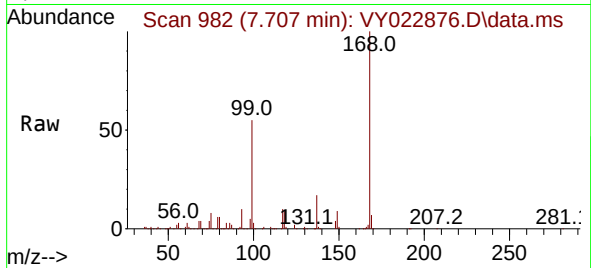




#31
Cyclohexane
Concen: 1.334 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

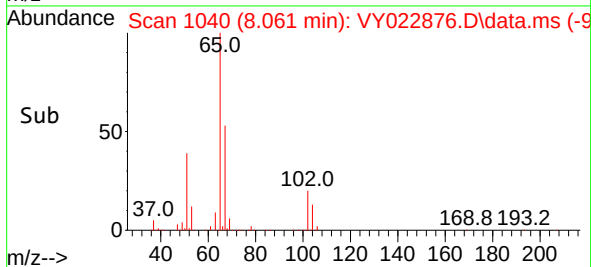
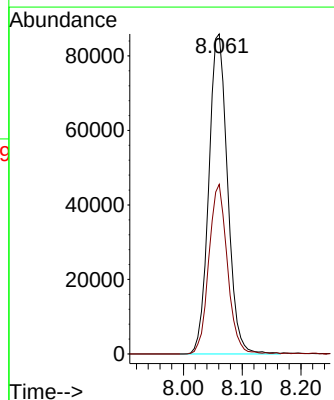
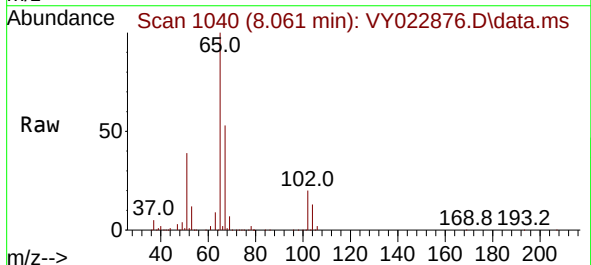
Instrument :
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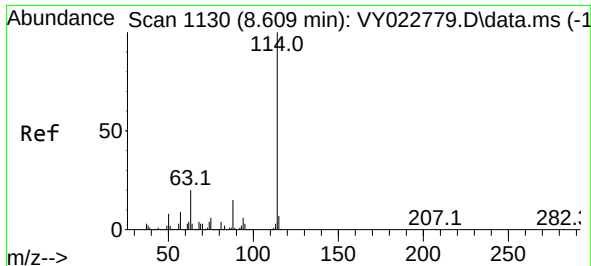
Tgt Ion: 56 Resp: 8791
Ion Ratio Lower Upper
56 100
69 141.8 27.0 40.6#
84 112.3 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 49.720 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion: 65 Resp: 190698
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4

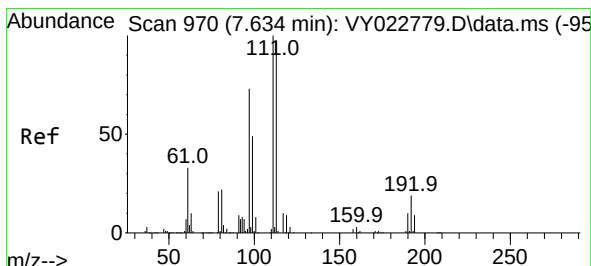
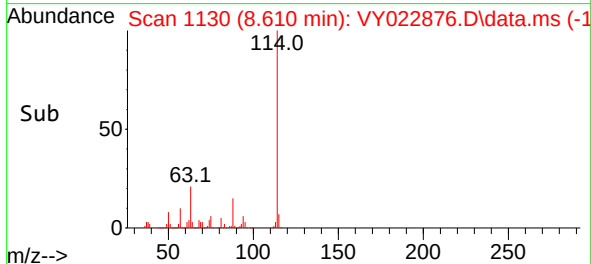
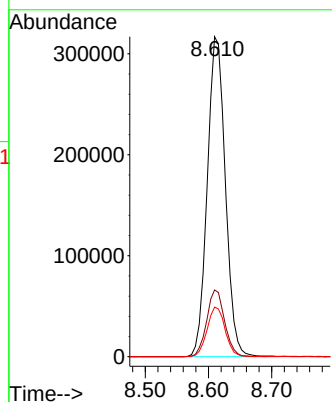
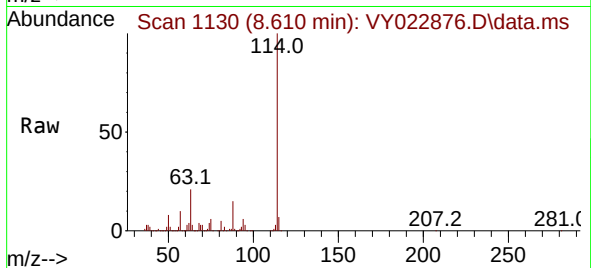




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

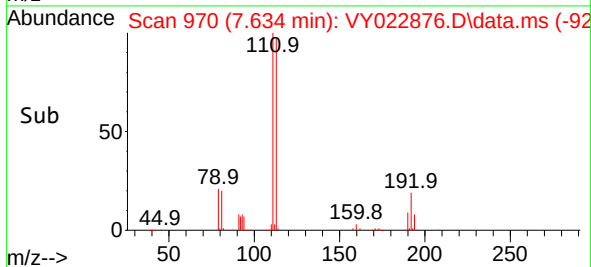
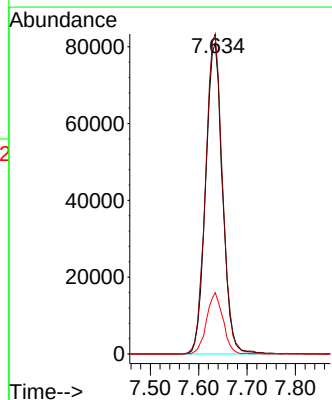
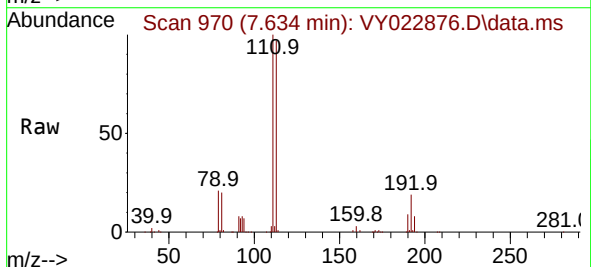
Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

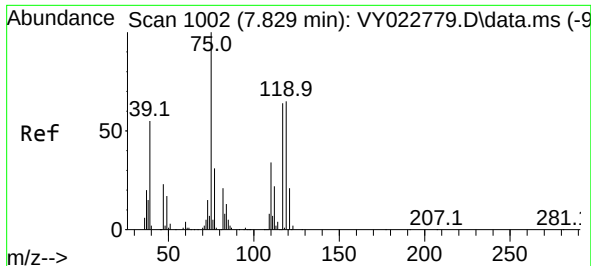
Tgt Ion:114 Resp: 630320
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 15.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.063 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion:113 Resp: 195740
Ion Ratio Lower Upper
113 100
111 103.8 81.1 121.7
192 19.2 14.2 21.2

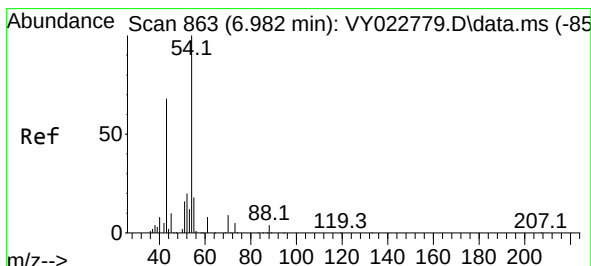
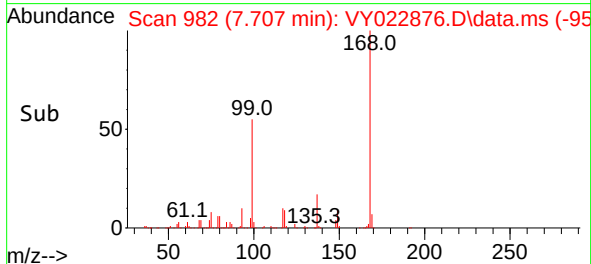
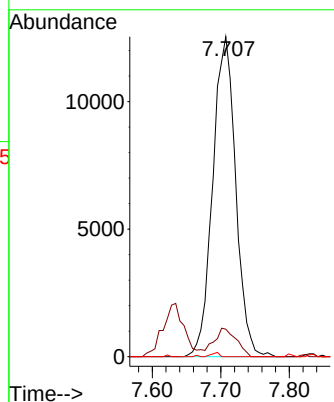
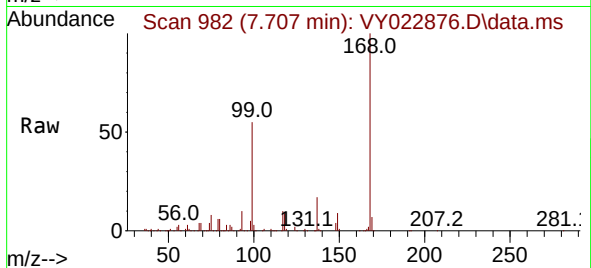




#36
 1,1-Dichloropropene
 Concen: 5.023 ug/l
 RT: 7.707 min Scan# 911
 Delta R.T. -0.134 min
 Lab File: VY022876.D
 Acq: 30 Jun 2025 13:08

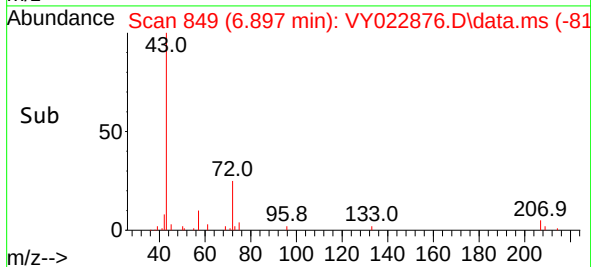
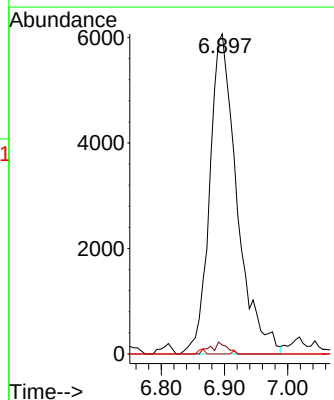
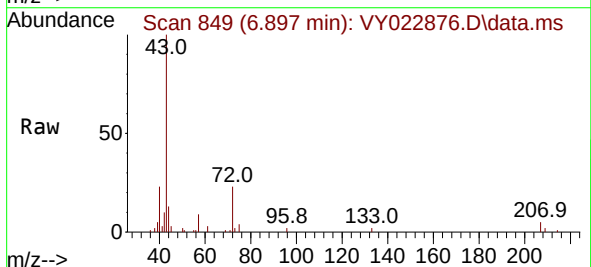
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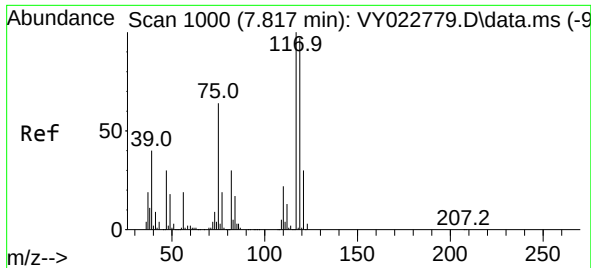
Tgt Ion: 75 Resp: 29187
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.7#
 77 0.4 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 7.261 ug/l
 RT: 6.897 min Scan# 849
 Delta R.T. -0.098 min
 Lab File: VY022876.D
 Acq: 30 Jun 2025 13:08

Tgt Ion: 43 Resp: 18206
 Ion Ratio Lower Upper
 43 100
 61 2.2 11.5 17.3#
 70 0.0 7.2 10.8#

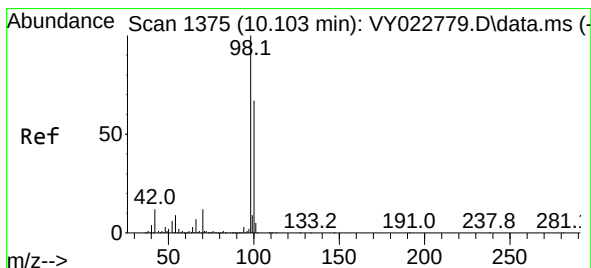
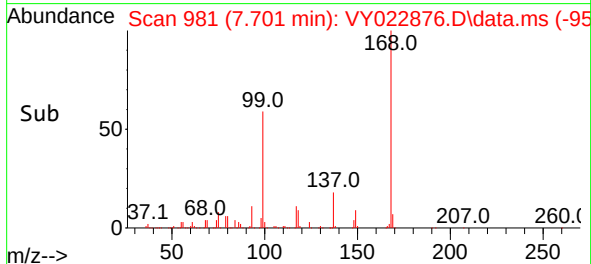
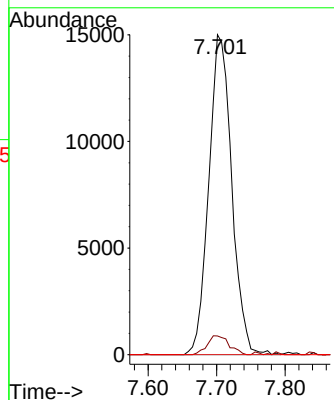
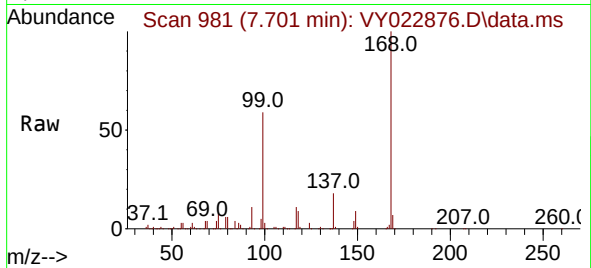




#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

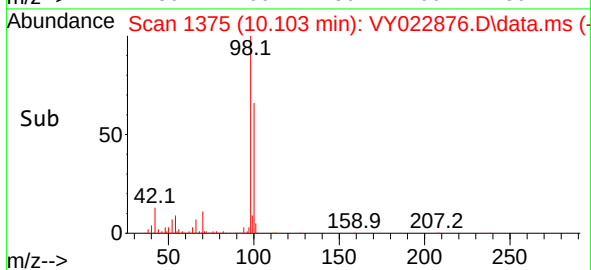
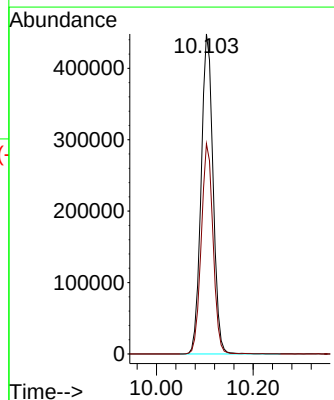
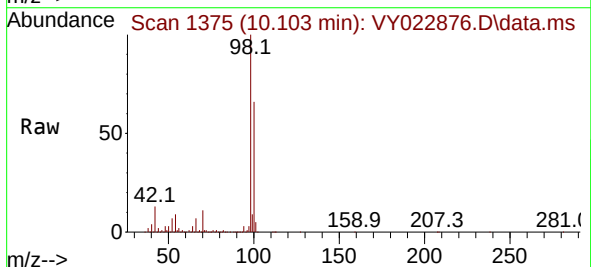
Instrument :
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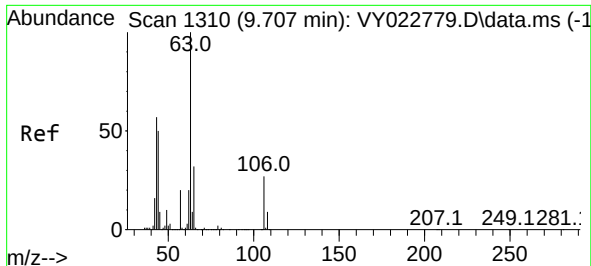
Tgt Ion:117 Resp: 34929
Ion Ratio Lower Upper
117 100
119 5.9 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.344 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion: 98 Resp: 765783
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0

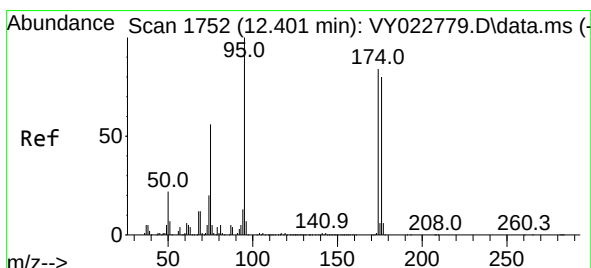
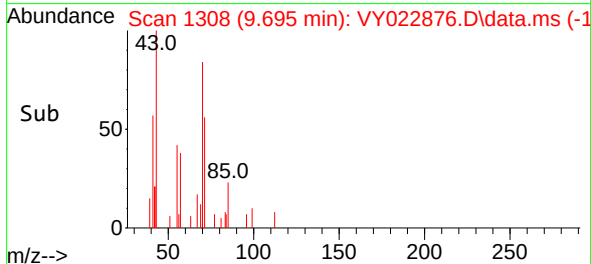
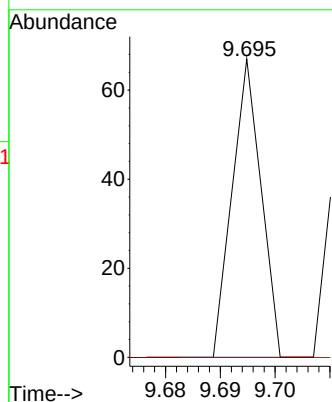
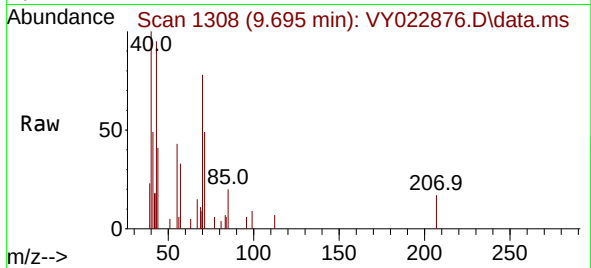




#58
2-Chloroethyl Vinyl ether
Concen: 15.666 ug/l
RT: 9.695 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

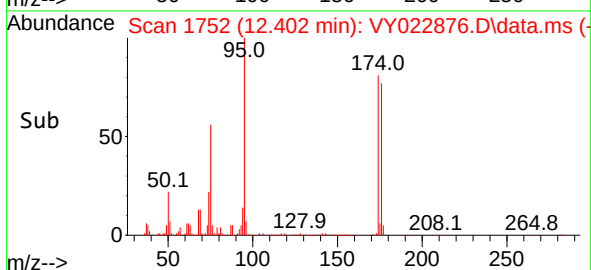
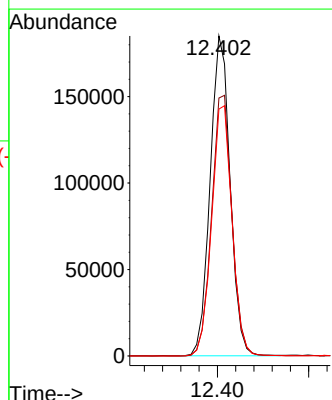
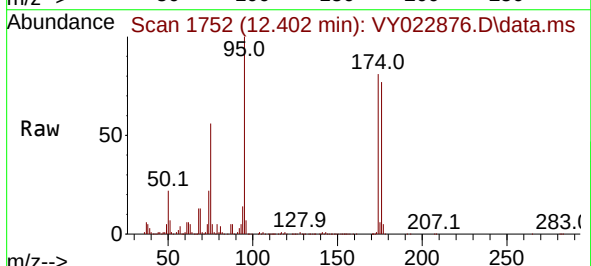
Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

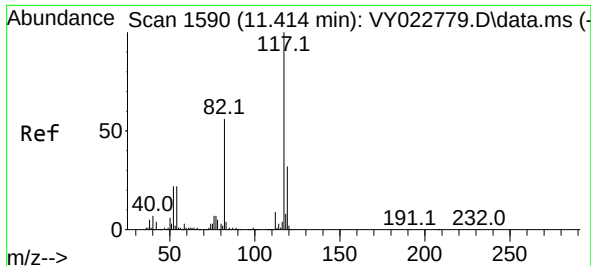
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 57.285 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion: 95 Resp: 280118
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.0
176 80.2 0.0 166.2

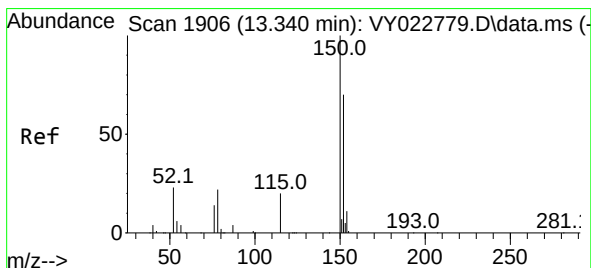
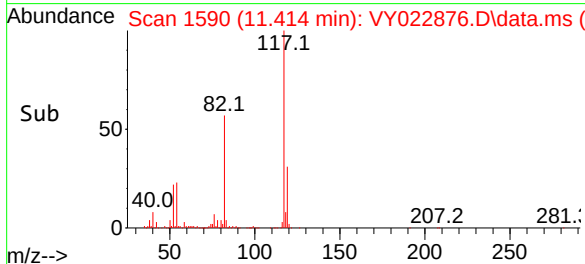
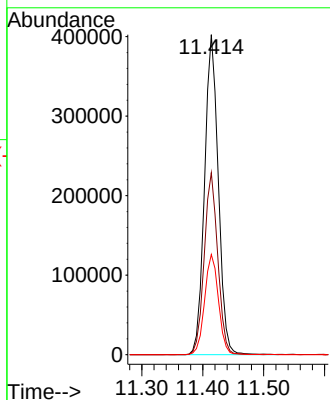
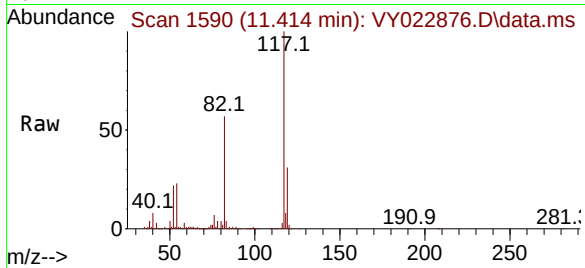




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

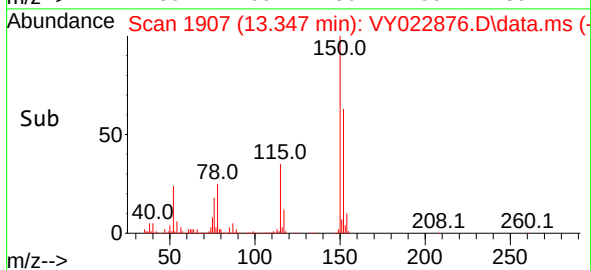
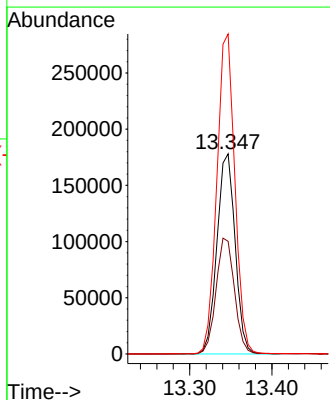
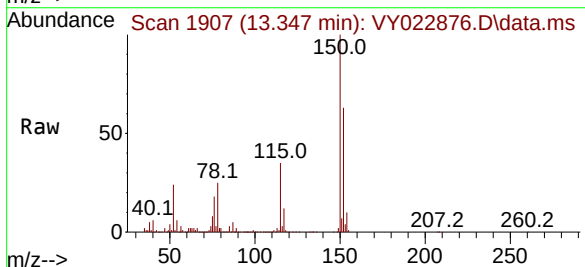
Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

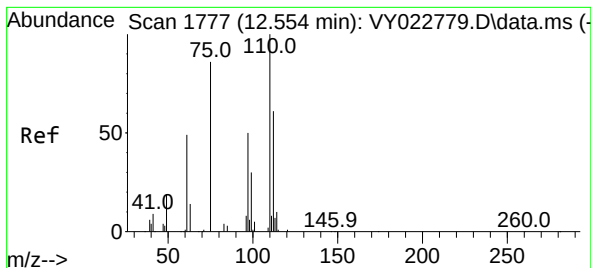
Tgt Ion:117 Resp: 630461
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion:152 Resp: 274123
Ion Ratio Lower Upper
152 100
115 59.0 28.9 86.7
150 158.2 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 56.320 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022876.D

Acq: 30 Jun 2025 13:08

Instrument :

MSVOA_Y

ClientSampleId :

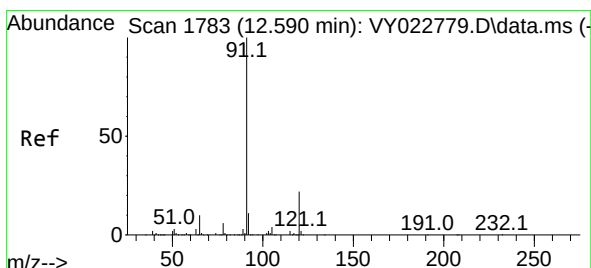
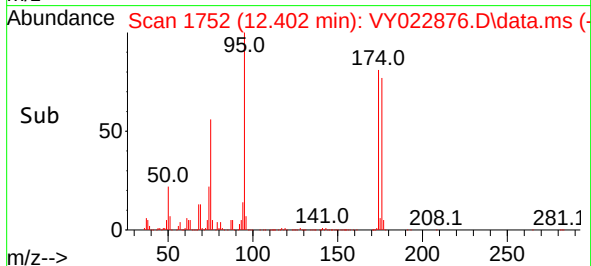
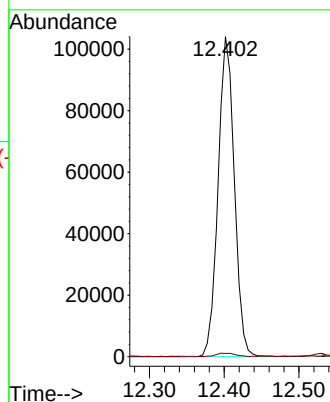
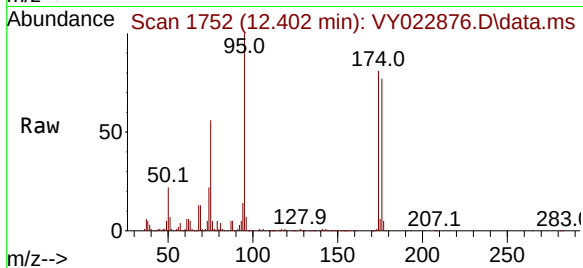
EP-2-VOC

Tgt Ion: 75 Resp: 157616

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#78

n-propylbenzene

Concen: 1.600 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY022876.D

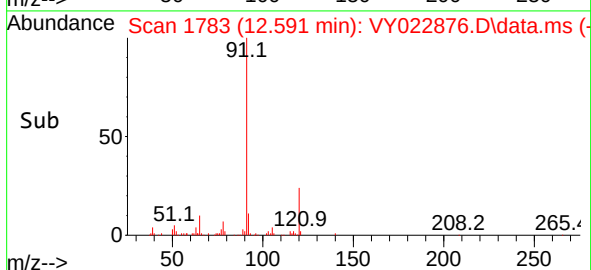
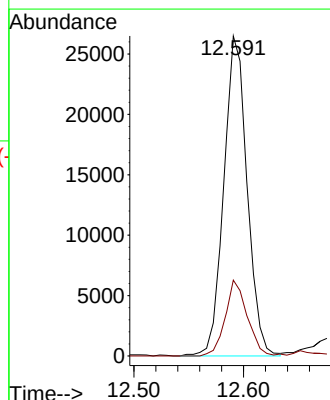
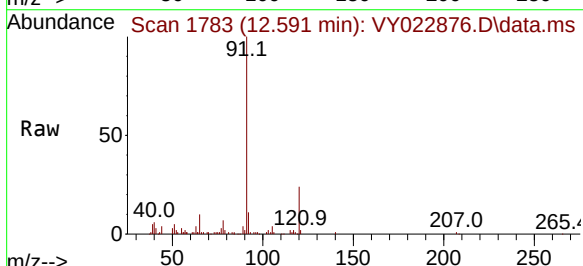
Acq: 30 Jun 2025 13:08

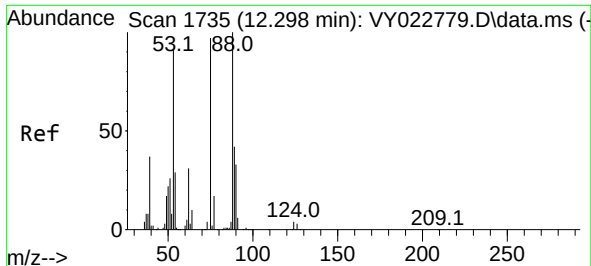
Tgt Ion: 91 Resp: 39168

Ion Ratio Lower Upper

91 100

120 22.3 10.8 32.4

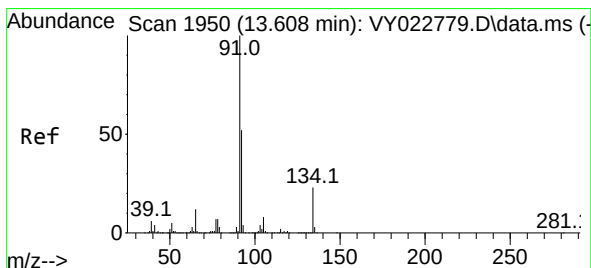
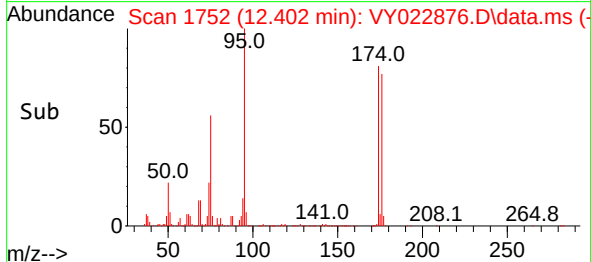
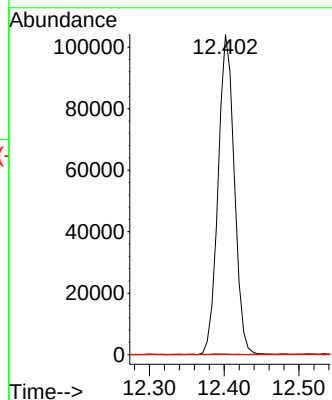
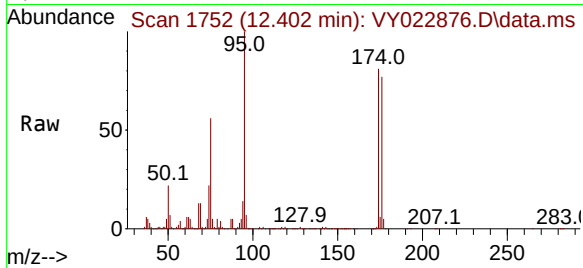




#81
trans-1,4-Dichloro-2-butene
Concen: 142.287 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

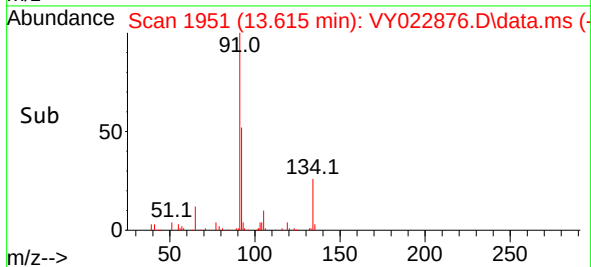
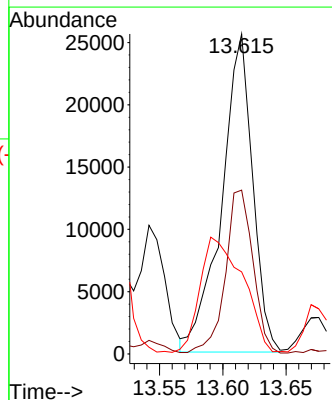
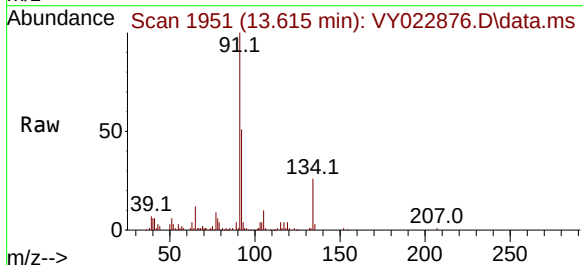
Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

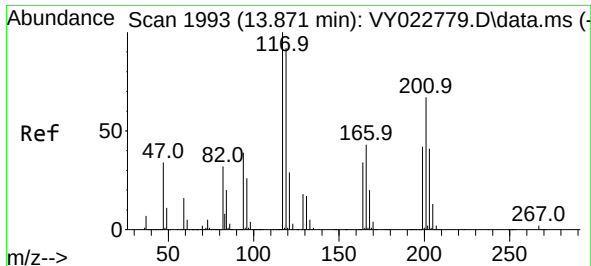
Tgt Ion: 75 Resp: 157616
Ion Ratio Lower Upper
75 100
53 0.3 78.5 117.7#
89 0.0 35.7 53.5#



#89
n-Butylbenzene
Concen: 2.563 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion: 91 Resp: 43575
Ion Ratio Lower Upper
91 100
92 46.2 25.9 77.8
134 0.0 12.0 36.1#

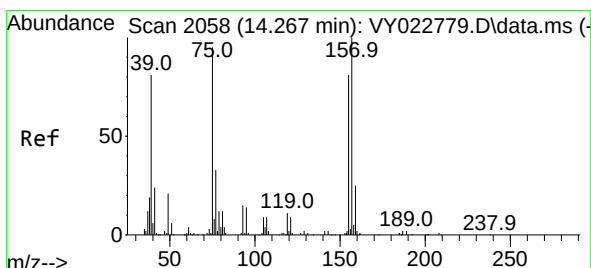
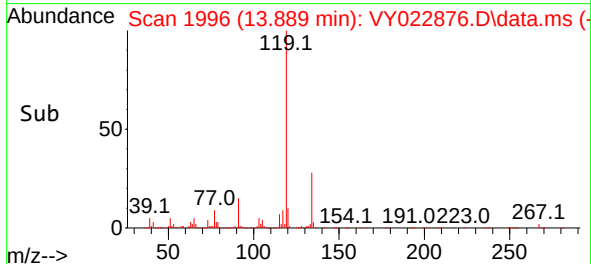
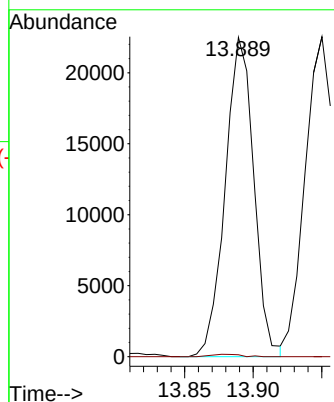
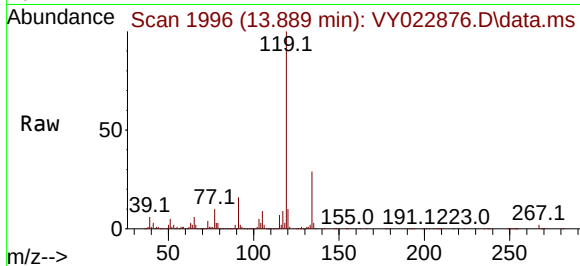




#90
Hexachloroethane
Concen: 9.102 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

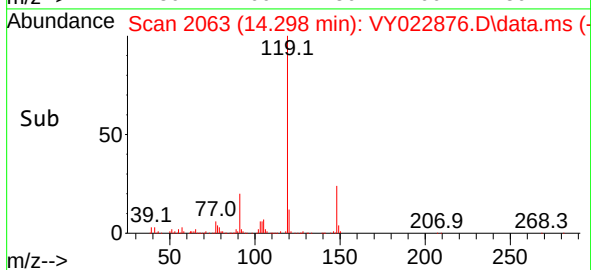
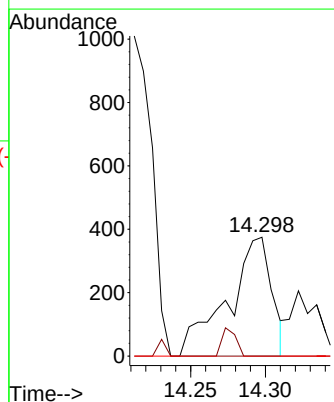
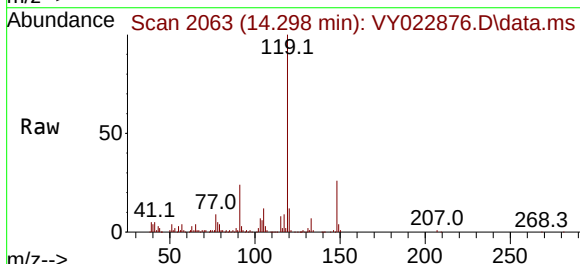
Instrument :
MSVOA_Y
ClientSampleId :
EP-2-VOC

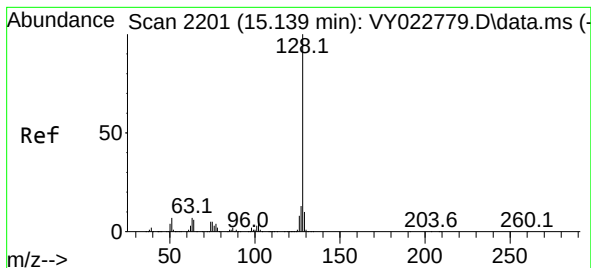
Tgt Ion:117 Resp: 32763
Ion Ratio Lower Upper
117 100
201 0.8 34.0 102.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.391 ug/l
RT: 14.298 min Scan# 2063
Delta R.T. 0.024 min
Lab File: VY022876.D
Acq: 30 Jun 2025 13:08

Tgt Ion: 75 Resp: 771
Ion Ratio Lower Upper
75 100
155 0.0 39.9 119.6#
157 0.0 54.0 162.0#





#95

Naphthalene

Concen: 1.115 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY022876.D

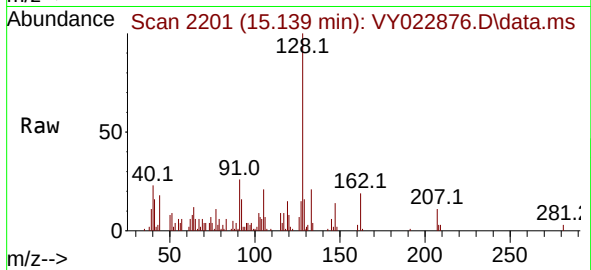
Acq: 30 Jun 2025 13:08

Instrument :

MSVOA_Y

ClientSampleId :

EP-2-VOC



Tgt Ion:	128	Resp:	9256
Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.4	15.6#
129	8.9	8.9	13.3

