

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021716.D
 Acq On : 31 Mar 2025 13:51
 Operator : SY/MD
 Sample : Q1679-07
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-9-VOC

Quant Time: Apr 01 05:36:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

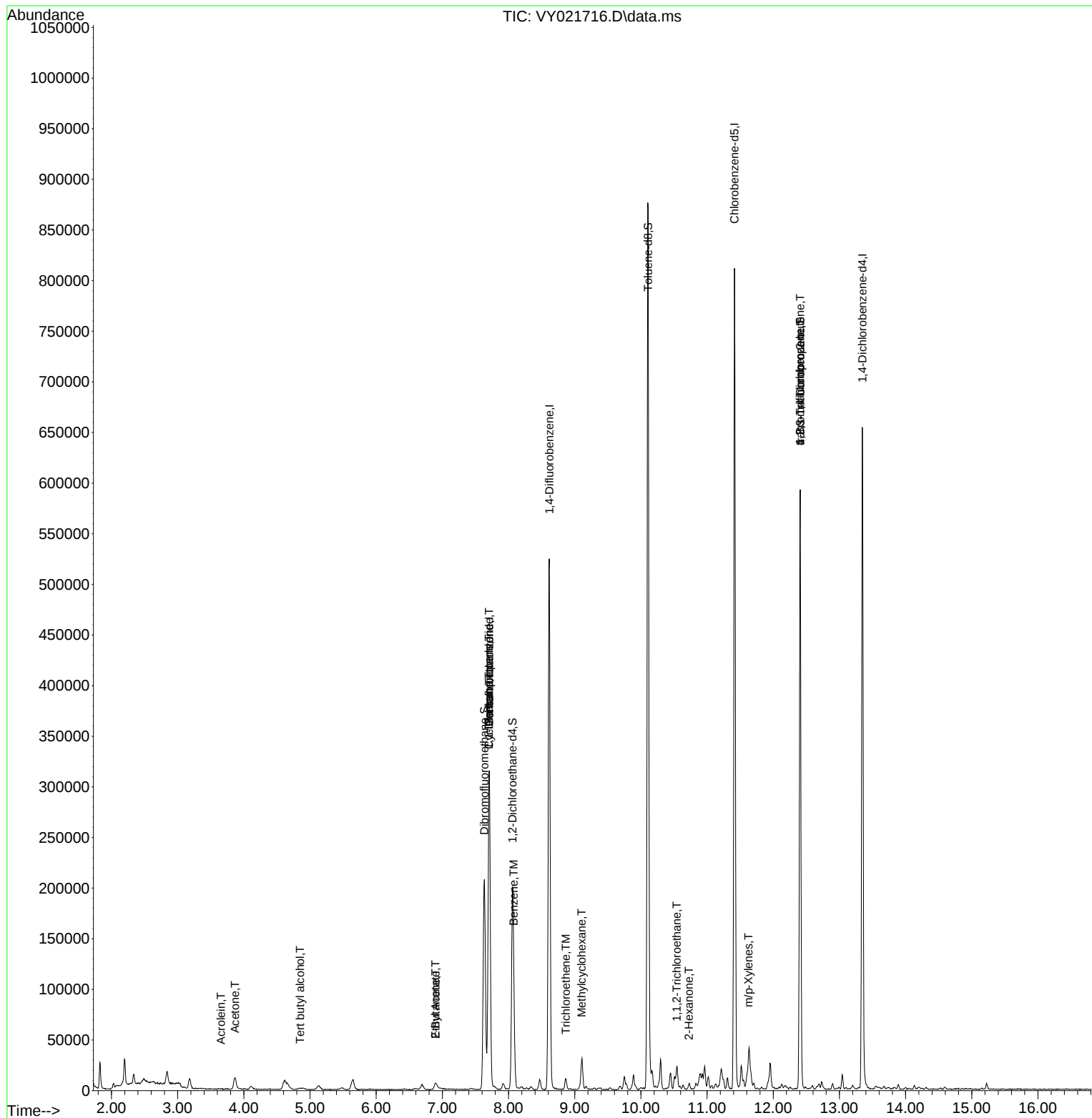
Internal Standards						
1) Pentafluorobenzene	7.707	168	230596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	435592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	412160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142706	57.118	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.240%			
35) Dibromofluoromethane	7.634	113	146821	51.961	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.920%			
50) Toluene-d8	10.109	98	544460	50.650	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.408	95	169817	46.705	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.400%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	2562	15.788	ug/l #	77
13) Acrolein	3.653	56	331	1.117	ug/l	87
16) Acetone	3.866	43	19643	38.415	ug/l	96
20) Methylene Chloride	4.616	84	5660	Below Cal		93
25) 2-Butanone	6.896	43	4814	6.591	ug/l	93
31) Cyclohexane	7.701	56	10856	2.462	ug/l #	63
36) 1,1-Dichloropropene	7.701	75	19196	4.460	ug/l #	51
37) Ethyl Acetate	6.896	43	4814	2.370	ug/l #	85
38) Carbon Tetrachloride	7.707	117	23574	4.782	ug/l #	17
39) Methylcyclohexane	9.103	83	10591	2.060	ug/l	96
40) Benzene	8.079	78	39809	3.089	ug/l	98
44) Trichloroethene	8.866	130	3469	1.056	ug/l	94
55) 1,1,2-Trichloroethane	10.542	97	7738	3.420	ug/l #	20
59) 2-Hexanone	10.725	43	2238	1.678	ug/l #	34
68) m/p-Xylenes	11.627	106	8258	1.331	ug/l	97
76) 1,2,3-Trichloropropane	12.408	75	92053	57.982	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	92053	133.601	ug/l #	12

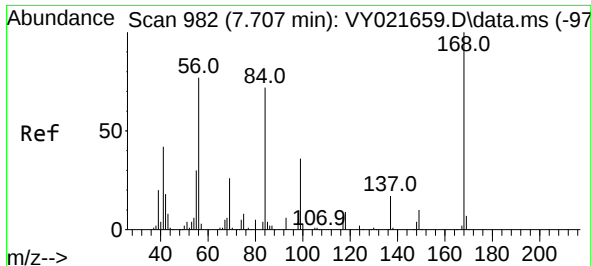
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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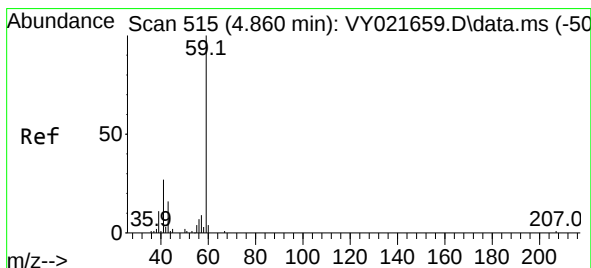
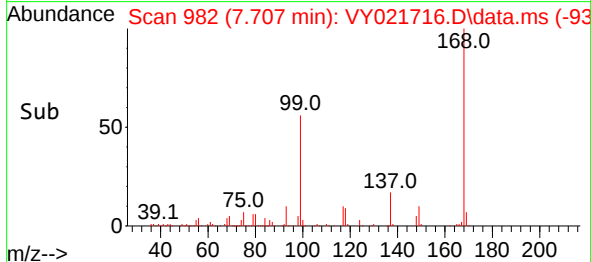
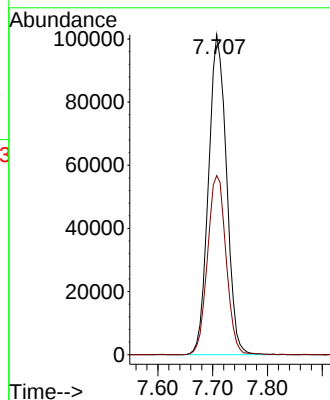
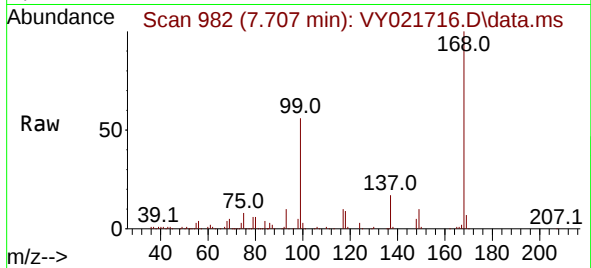




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

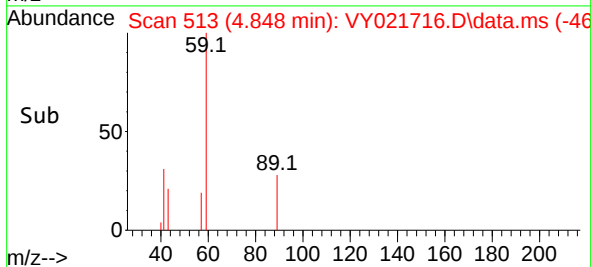
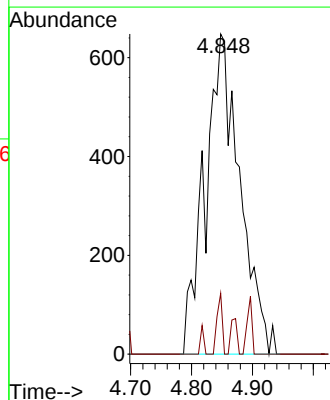
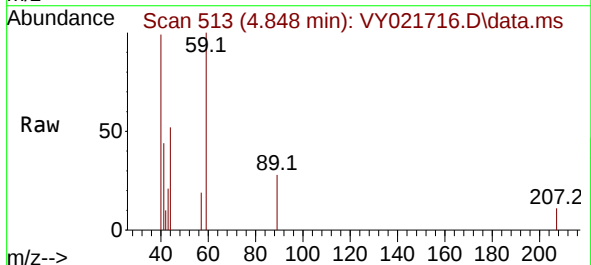
Instrument :
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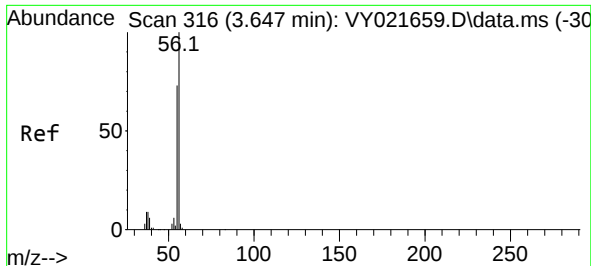
Tgt Ion:168 Resp: 230596
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1



#11
Tert butyl alcohol
Concen: 15.788 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 59 Resp: 2562
Ion Ratio Lower Upper
59 100
57 2.8 9.2 13.8#

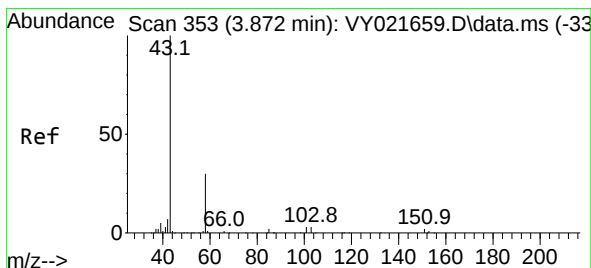
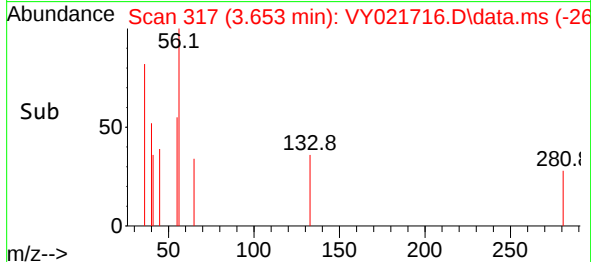
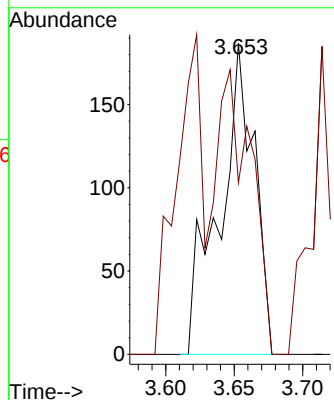
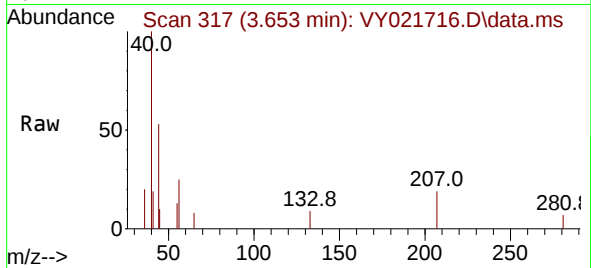




#13
Acrolein
Concen: 1.117 ug/l
RT: 3.653 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

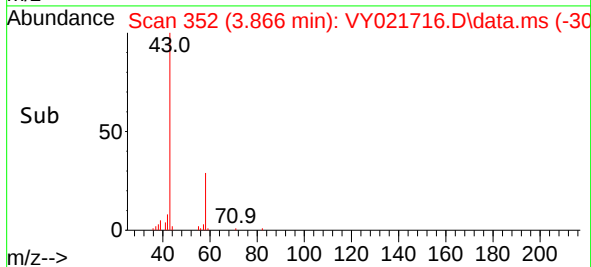
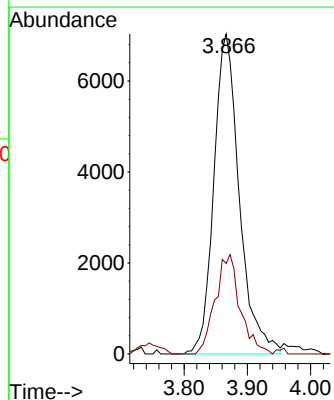
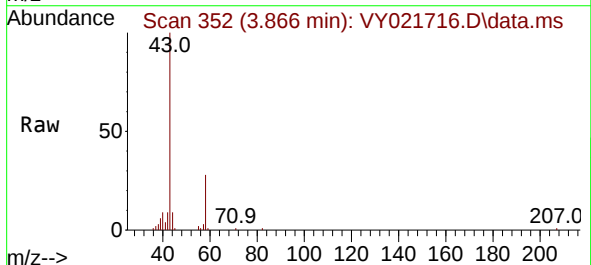
Instrument :
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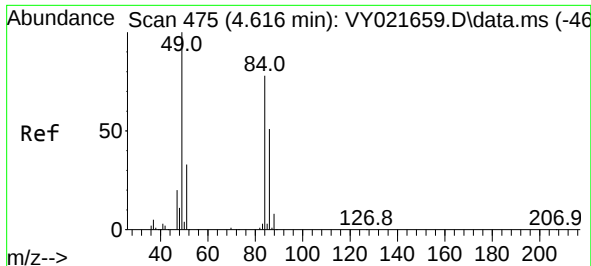
Tgt Ion: 56 Resp: 331
Ion Ratio Lower Upper
56 100
55 81.9 56.6 85.0



#16
Acetone
Concen: 38.415 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 43 Resp: 19643
Ion Ratio Lower Upper
43 100
58 28.3 24.2 36.4

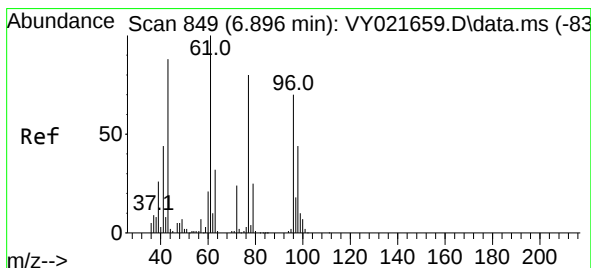
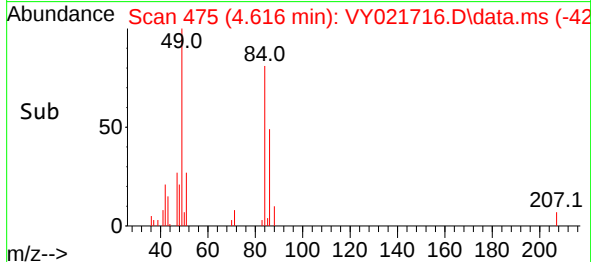
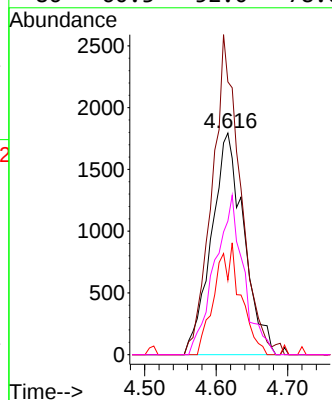
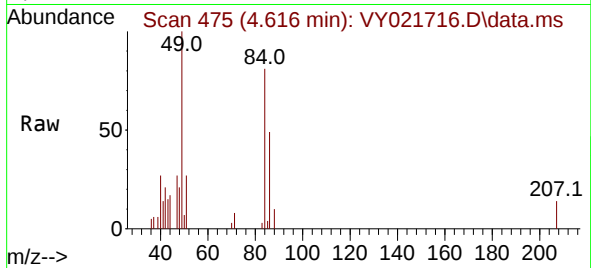




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

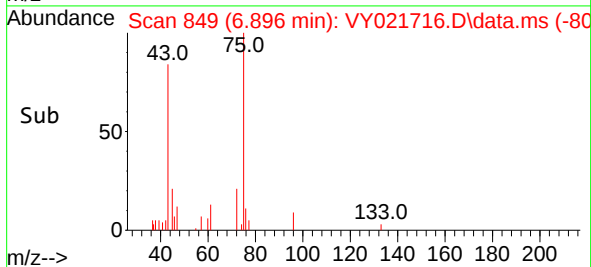
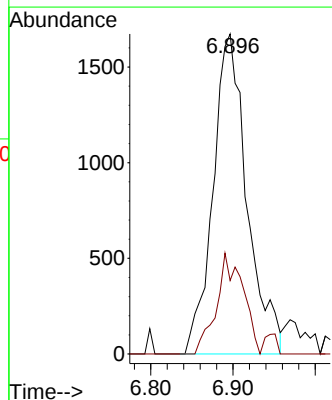
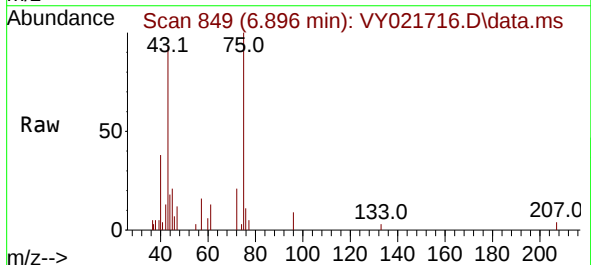
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

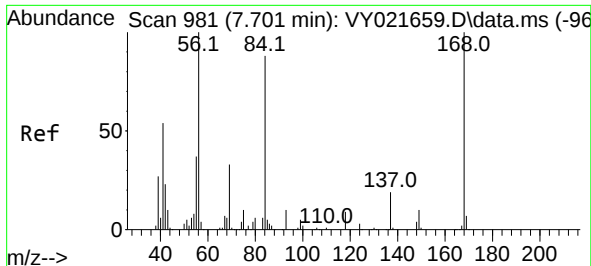
Tgt Ion:	84	Resp:	5660
Ion	Ratio	Lower	Upper
84	100		
49	123.1	102.8	154.2
51	33.6	33.5	50.3
86	60.3	52.0	78.0



#25
2-Butanone
Concen: 6.591 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion:	43	Resp:	4814
Ion	Ratio	Lower	Upper
43	100		
72	23.0	21.4	32.2

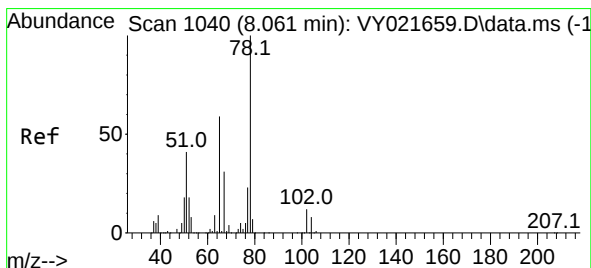
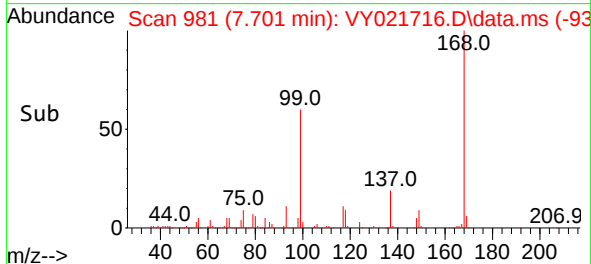
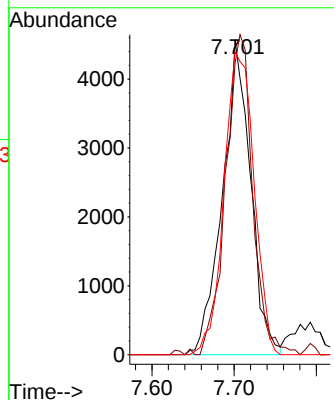
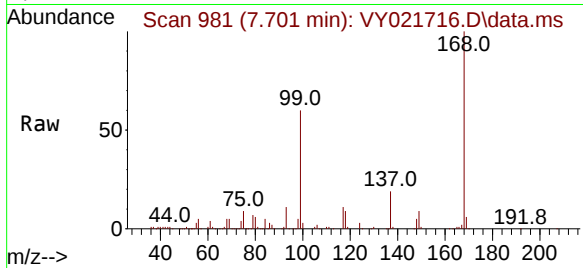




#31
Cyclohexane
Concen: 2.462 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

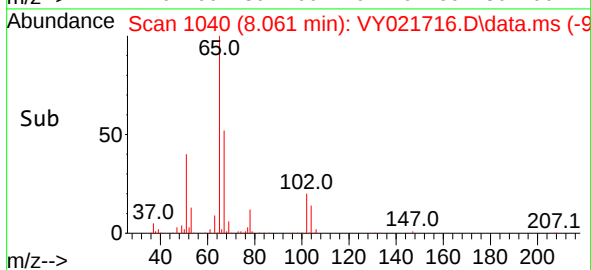
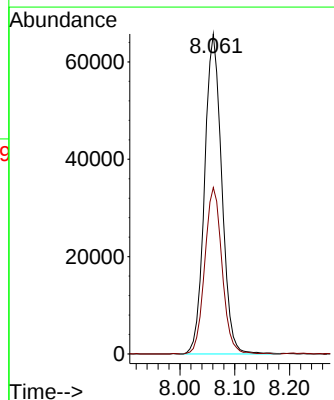
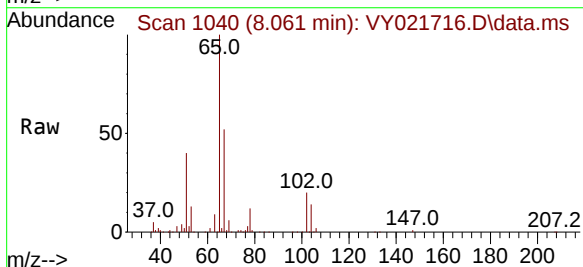
Instrument :
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ClientSampleId :
TP-9-VOC

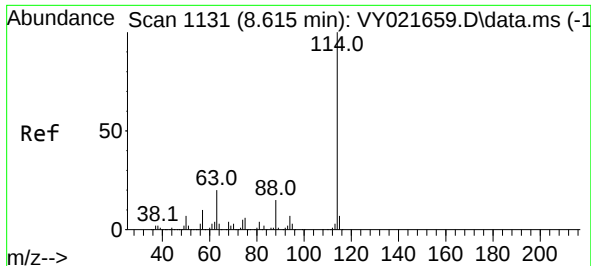
Tgt Ion: 56 Resp: 10856
Ion Ratio Lower Upper
56 100
69 91.8 26.6 40.0#
84 96.4 69.0 103.4



#33
1,2-Dichloroethane-d4
Concen: 57.118 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 65 Resp: 142706
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6

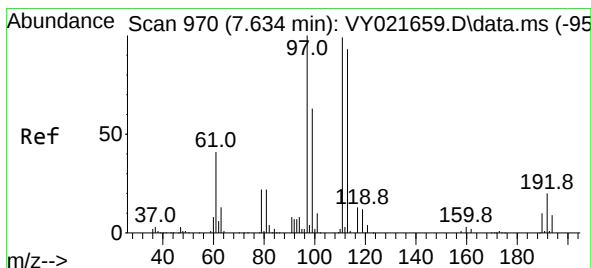
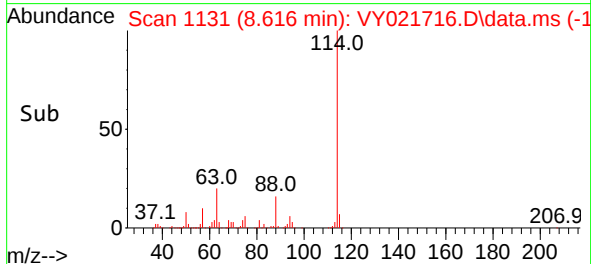
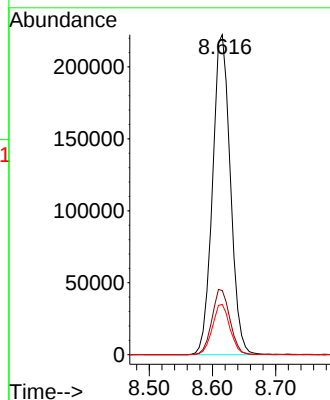
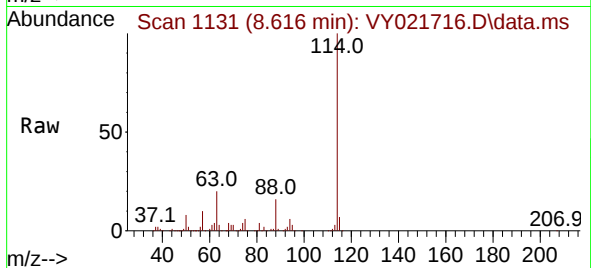




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

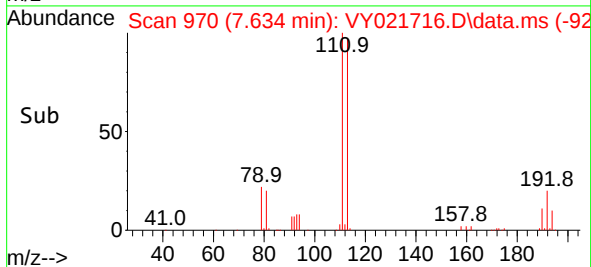
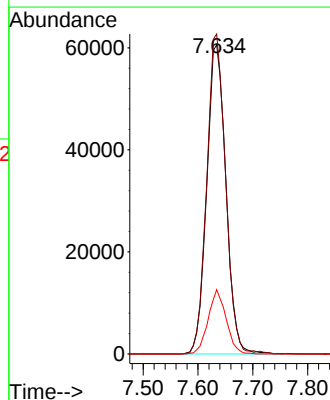
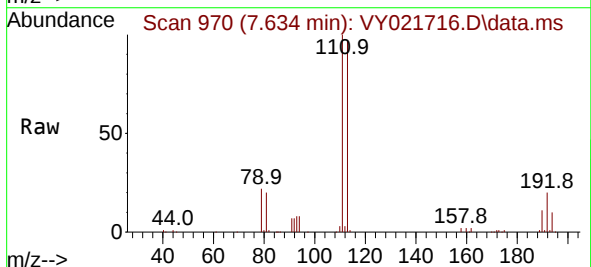
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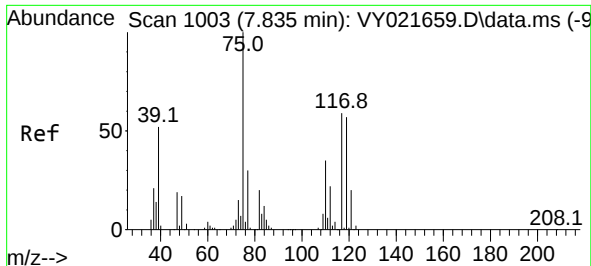
Tgt Ion:114 Resp: 435592
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.2
88 15.7 0.0 29.8



#35
Dibromofluoromethane
Concen: 51.961 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion:113 Resp: 146821
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 19.5 16.2 24.4

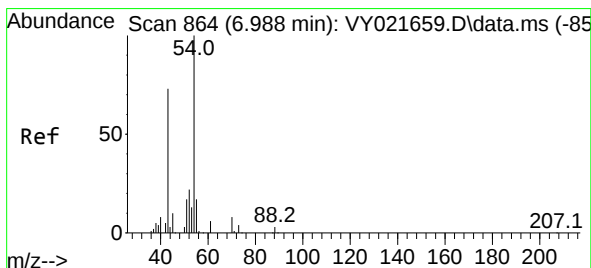
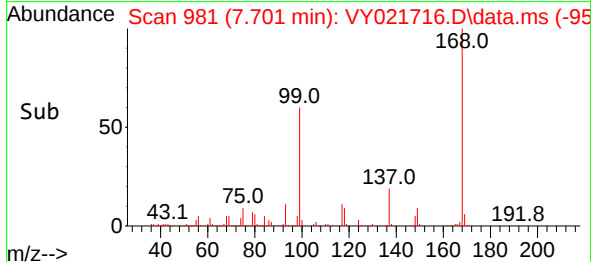
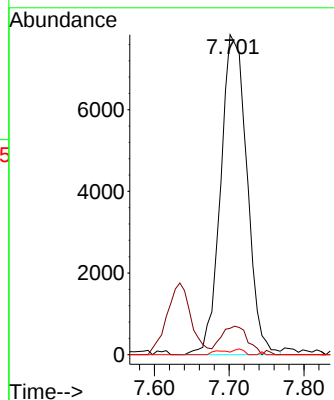
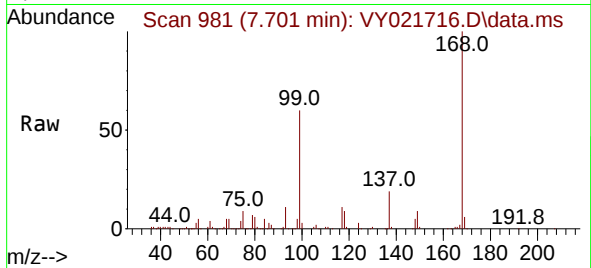




#36
 1,1-Dichloropropene
 Concen: 4.460 ug/l
 RT: 7.701 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY021716.D
 Acq: 31 Mar 2025 13:51

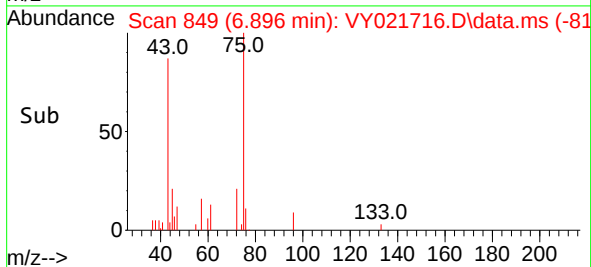
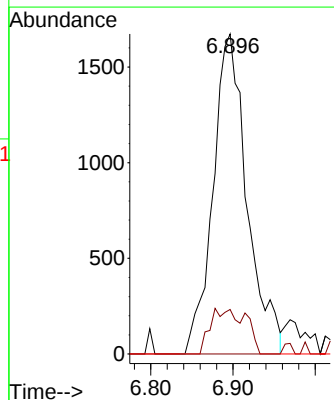
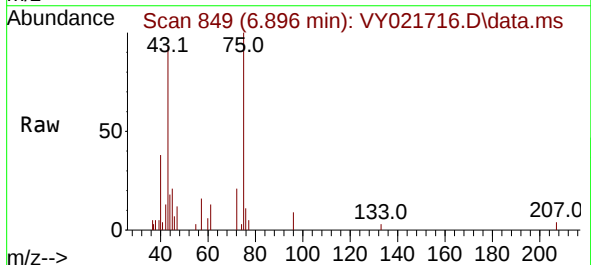
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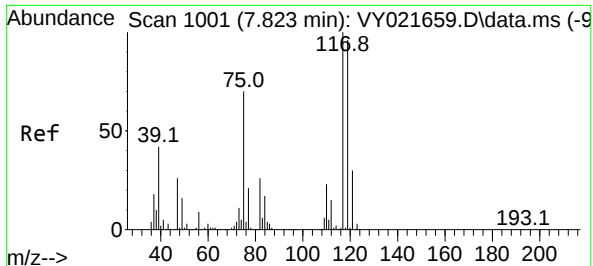
Tgt Ion: 75 Resp: 19196
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.0 50.9#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 2.370 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.091 min
 Lab File: VY021716.D
 Acq: 31 Mar 2025 13:51

Tgt Ion: 43 Resp: 4814
 Ion Ratio Lower Upper
 43 100
 61 11.1 11.0 16.6
 70 0.0 8.1 12.1#

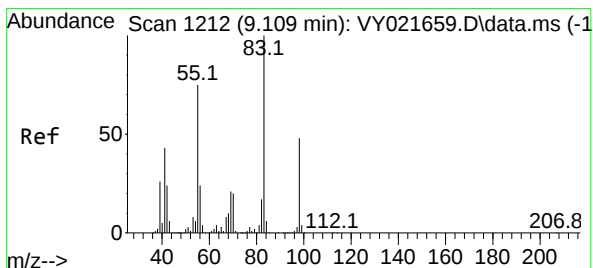
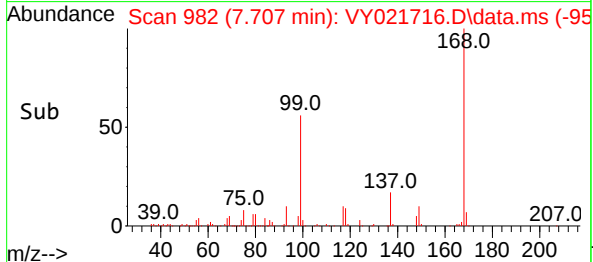
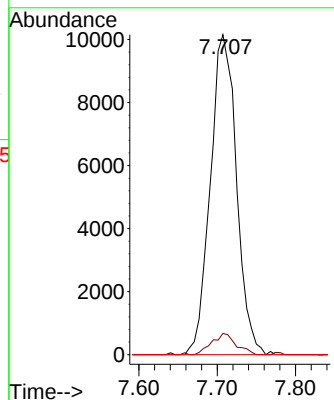
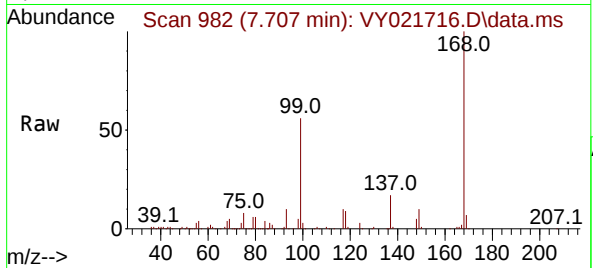




#38
Carbon Tetrachloride
Concen: 4.782 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

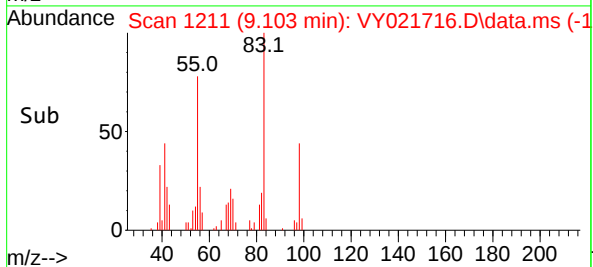
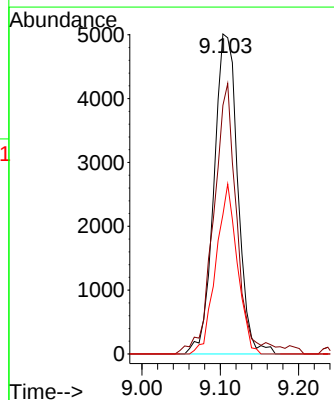
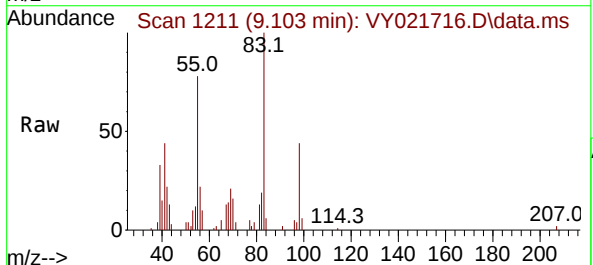
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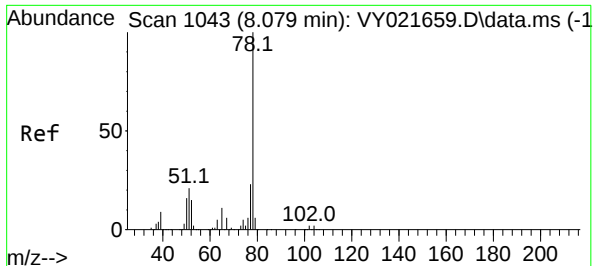
Tgt Ion:117 Resp: 23574
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.4#
121 0.0 24.2 36.4#



#39
Methylcyclohexane
Concen: 2.060 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 83 Resp: 10591
Ion Ratio Lower Upper
83 100
55 76.6 59.7 89.5
98 43.5 38.3 57.5

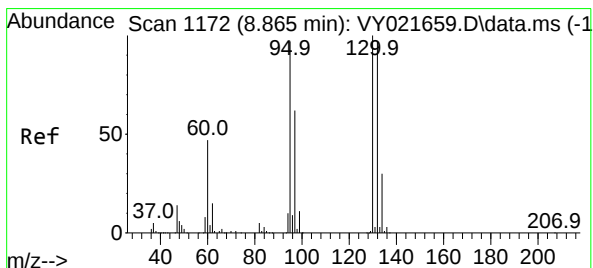
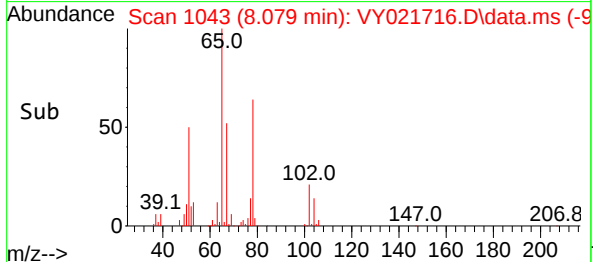
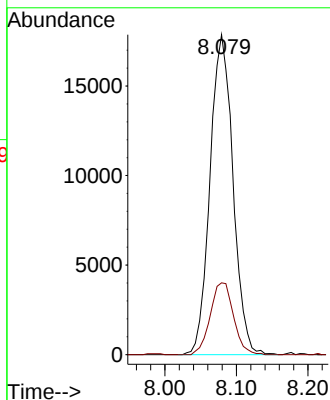
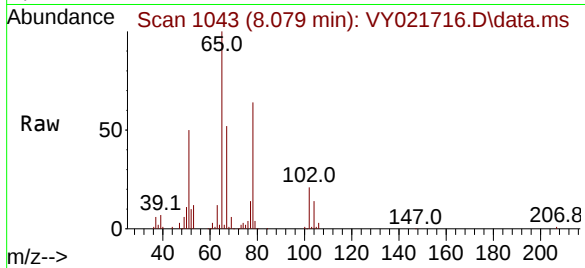




#40
Benzene
Concen: 3.089 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

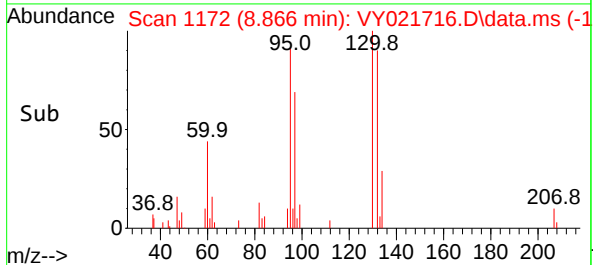
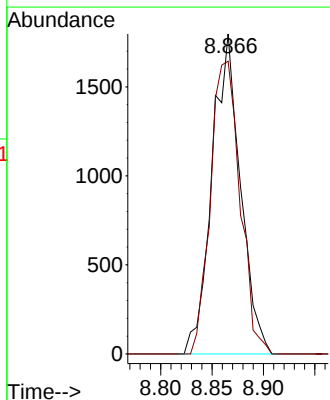
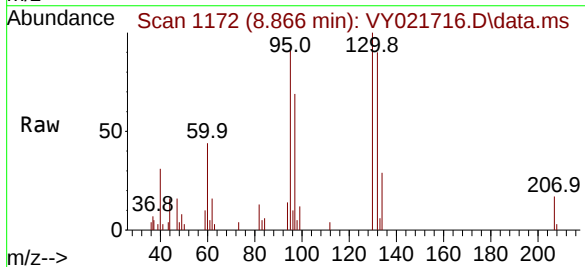
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

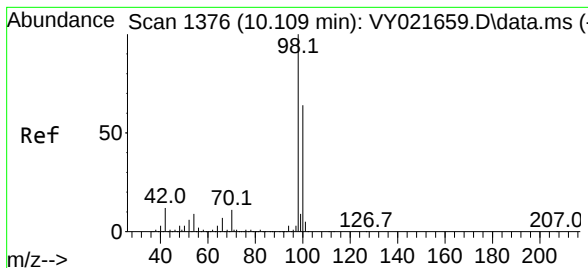
Tgt Ion: 78 Resp: 39809
Ion Ratio Lower Upper
78 100
77 22.5 18.8 28.2



#44
Trichloroethene
Concen: 1.056 ug/l
RT: 8.866 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion:130 Resp: 3469
Ion Ratio Lower Upper
130 100
95 91.5 0.0 194.8

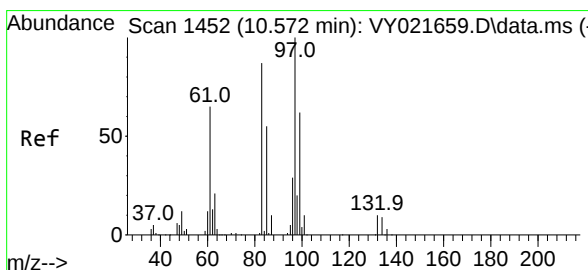
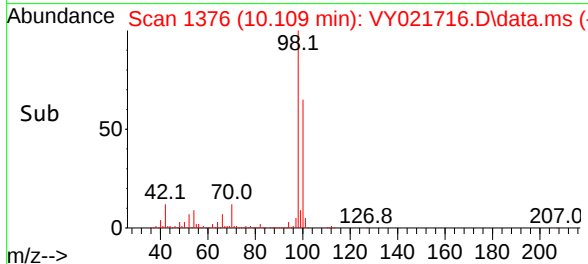
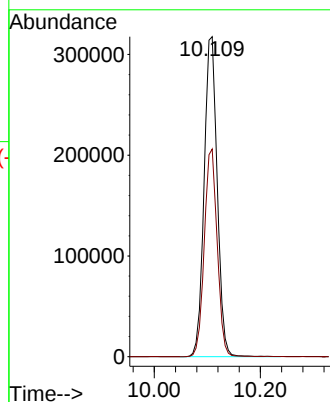
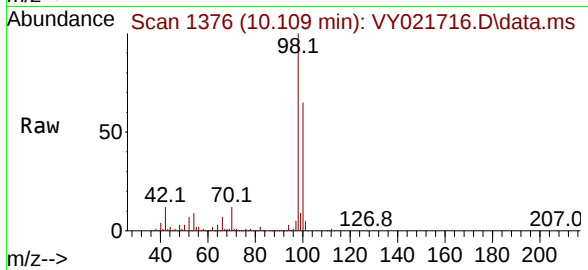




#50
Toluene-d8
Concen: 50.650 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

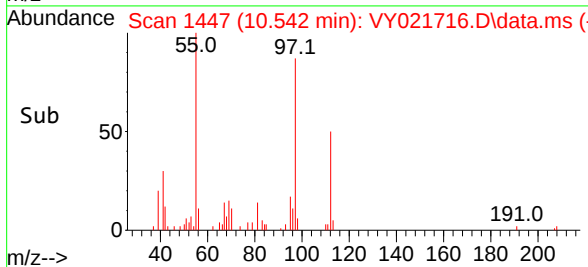
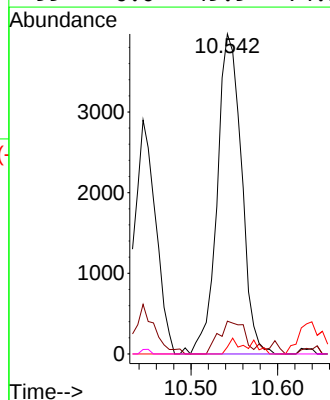
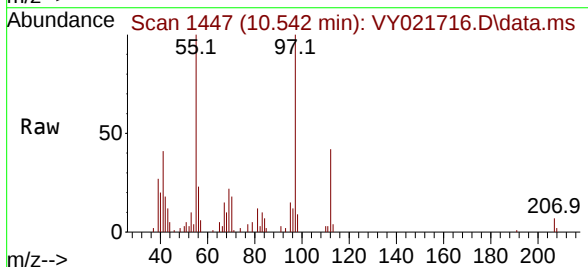
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

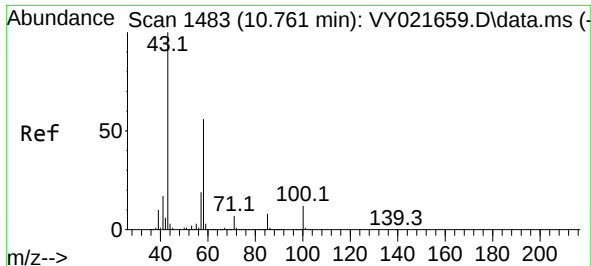
Tgt Ion: 98 Resp: 544460
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#55
1,1,2-Trichloroethane
Concen: 3.420 ug/l
RT: 10.542 min Scan# 1447
Delta R.T. -0.030 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 97 Resp: 7738
Ion Ratio Lower Upper
97 100
83 8.7 69.5 104.3#
85 2.2 43.9 65.9#
99 0.0 49.9 74.9#

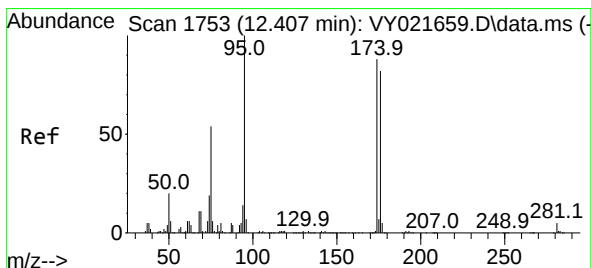
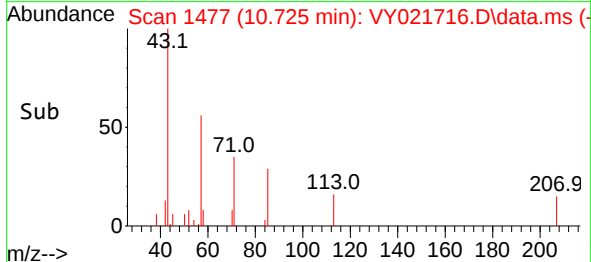
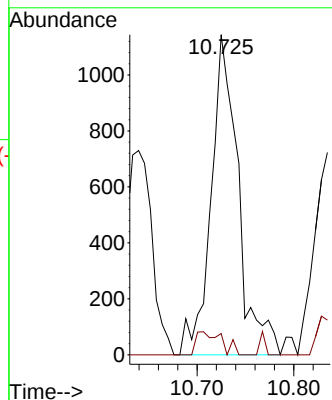
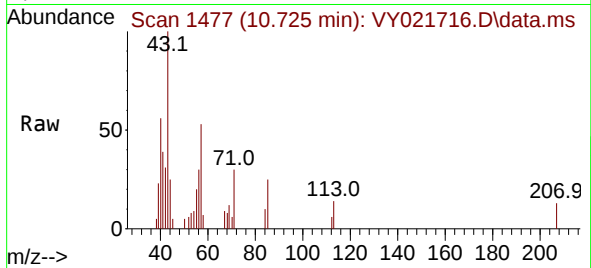




#59
2-Hexanone
Concen: 1.678 ug/l
RT: 10.725 min Scan# 1483
Delta R.T. -0.036 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

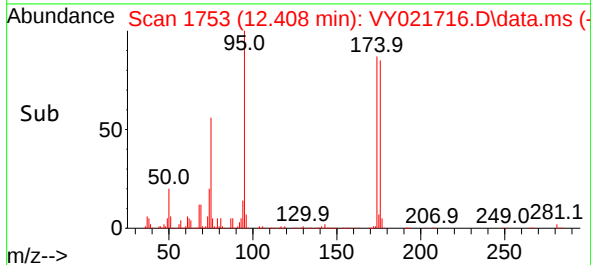
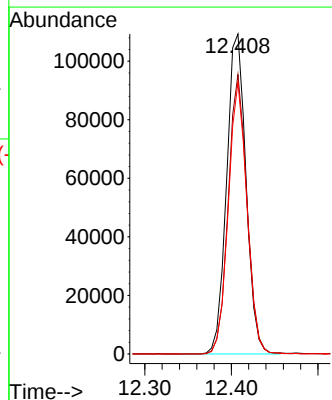
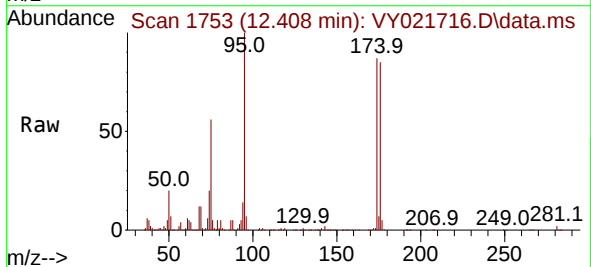
Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

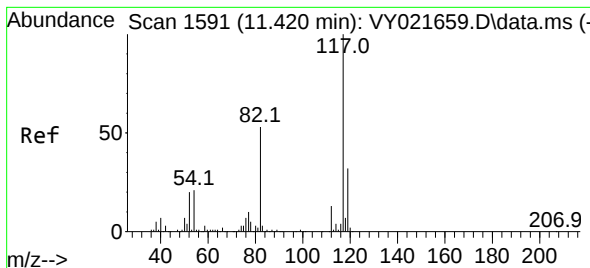
Tgt Ion: 43 Resp: 2238
Ion Ratio Lower Upper
43 100
58 6.8 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 46.705 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Tgt Ion: 95 Resp: 169817
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.8
176 81.6 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021716.D

Acq: 31 Mar 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-9-VOC

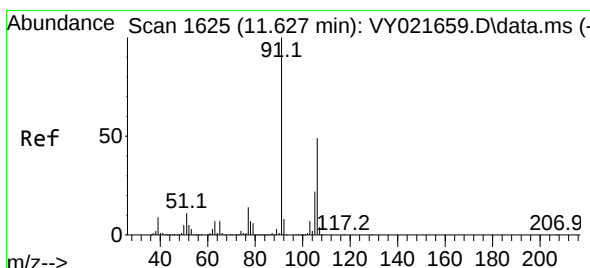
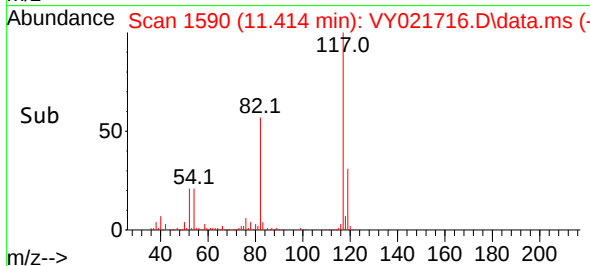
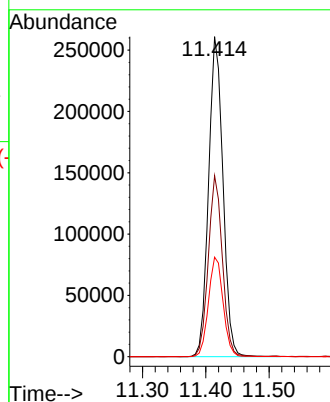
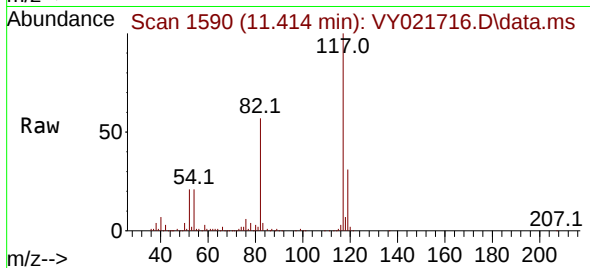
Tgt Ion:117 Resp: 412160

Ion Ratio Lower Upper

117 100

82 56.5 42.8 64.2

119 31.1 25.7 38.5



#68

m/p-Xylenes

Concen: 1.331 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY021716.D

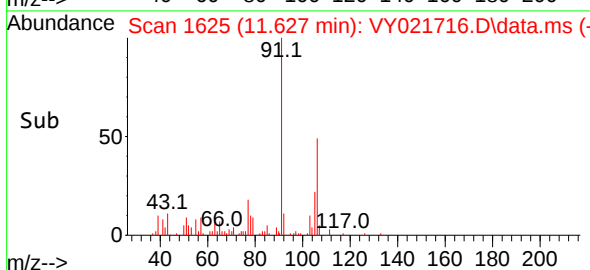
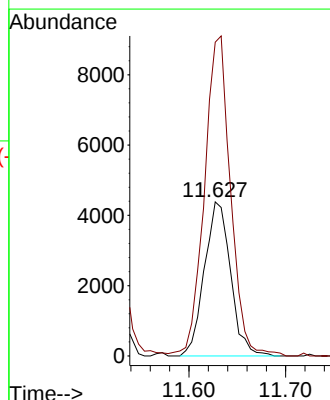
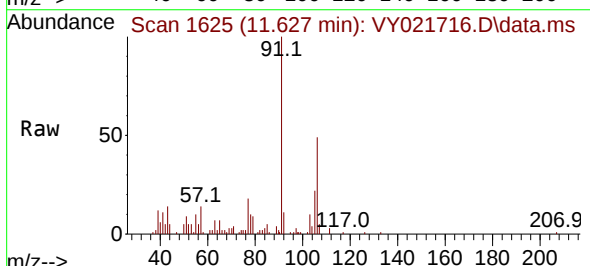
Acq: 31 Mar 2025 13:51

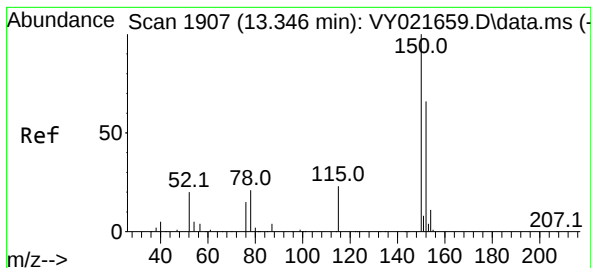
Tgt Ion:106 Resp: 8258

Ion Ratio Lower Upper

106 100

91 207.0 162.4 243.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021716.D

Acq: 31 Mar 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

TP-9-VOC

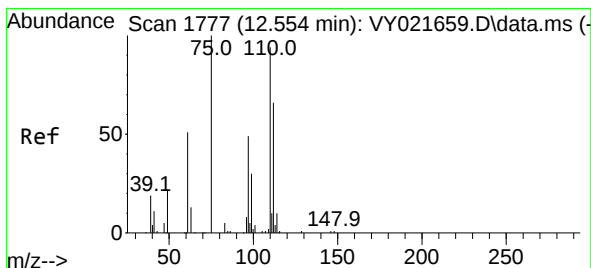
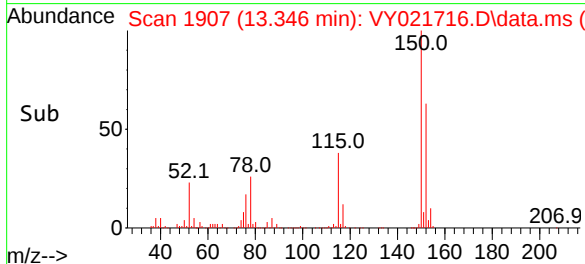
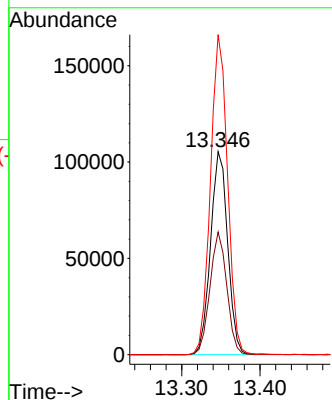
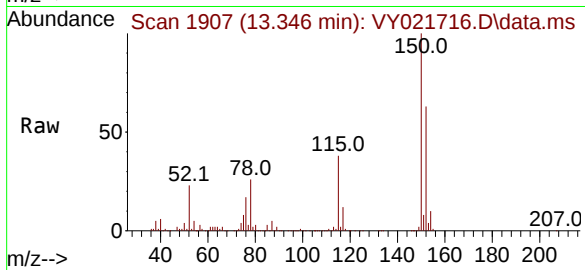
Tgt Ion:152 Resp: 160161

Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 157.0 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 57.982 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021716.D

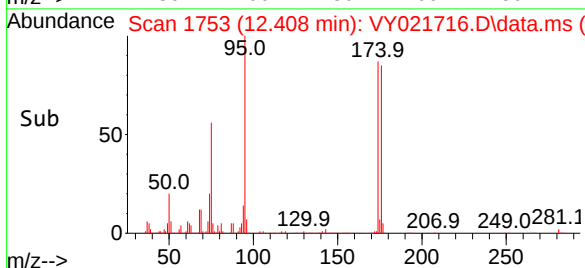
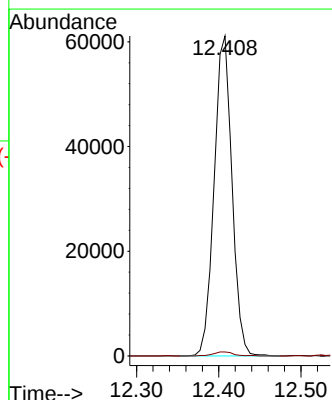
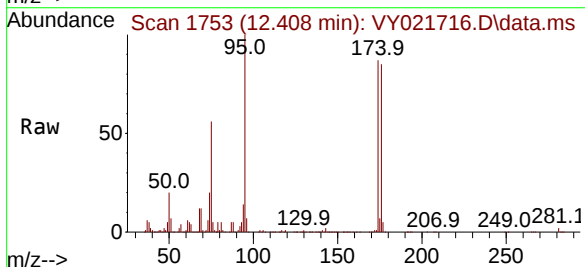
Acq: 31 Mar 2025 13:51

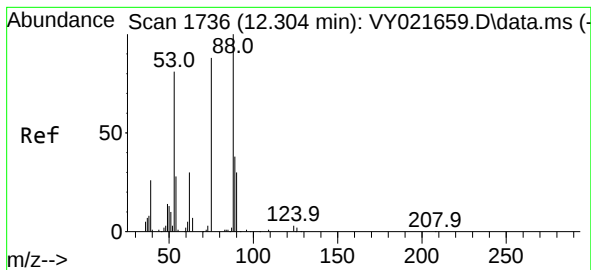
Tgt Ion: 75 Resp: 92053

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 133.601 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021716.D
Acq: 31 Mar 2025 13:51

Instrument :
MSVOA_Y
ClientSampleId :
TP-9-VOC

Tgt Ion: 75 Resp: 92053
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.2 36.2 54.4#

