

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021496.D
 Acq On : 11 Mar 2025 19:02
 Operator : SY/MD
 Sample : Q1534-14
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-363-VOC-18

Quant Time: Mar 12 01:26:33 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)

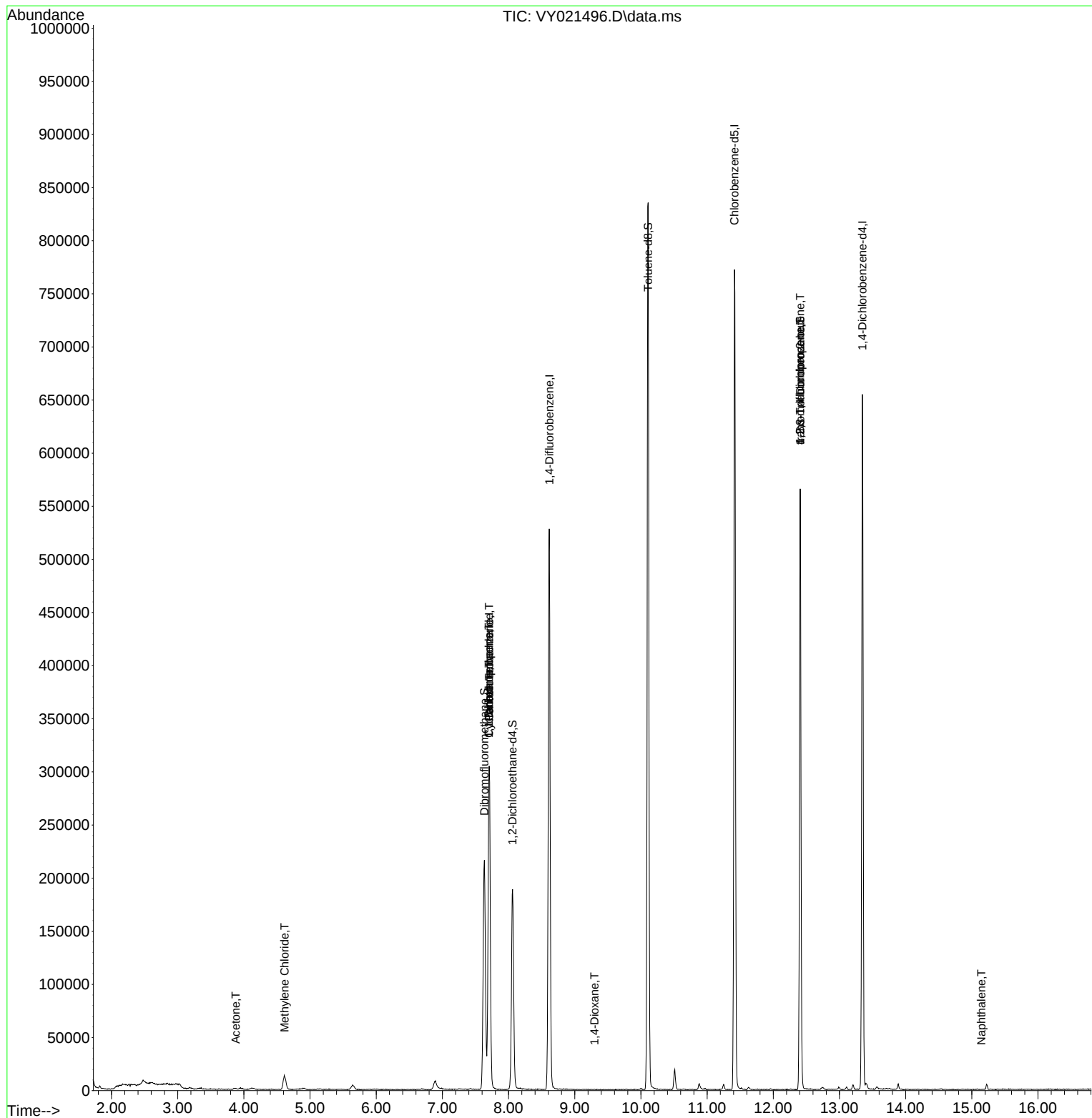
Internal Standards						
1) Pentafluorobenzene	7.707	168	228282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	439975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	400173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	148576	61.578	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.160%			
35) Dibromofluoromethane	7.634	113	152956	52.889	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.780%			
50) Toluene-d8	10.109	98	537450	49.082	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.407	95	163936	44.012	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.020%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.854	59	635	Below Cal	#	72
16) Acetone	3.878	43	1699	3.228	ug/l	90
20) Methylene Chloride	4.616	84	8936	3.235	ug/l	93
31) Cyclohexane	7.701	56	5346	1.183	ug/l #	25
36) 1,1-Dichloropropene	7.701	75	19198	4.241	ug/l #	42
38) Carbon Tetrachloride	7.707	117	24387	4.684	ug/l #	16
49) 1,4-Dioxane	9.298	88	23	1.327	ug/l #	22
76) 1,2,3-Trichloropropane	12.407	75	87790	55.932	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	87790	127.151	ug/l #	9
95) Naphthalene	15.145	128	20	1.453	ug/l #	69

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

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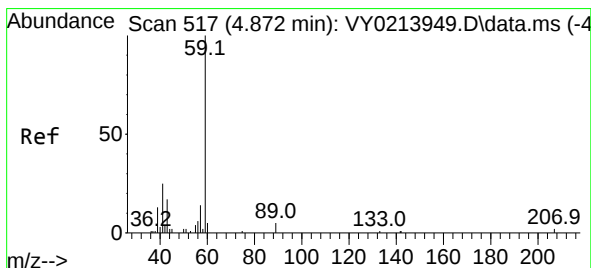
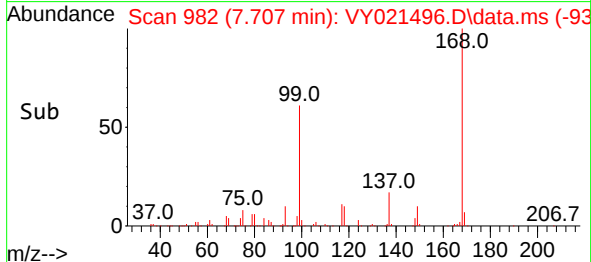
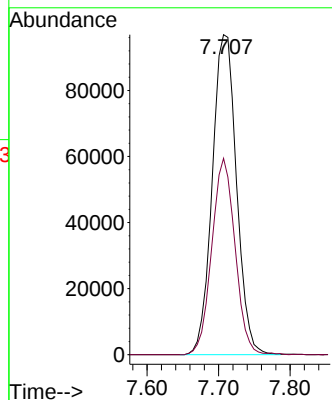
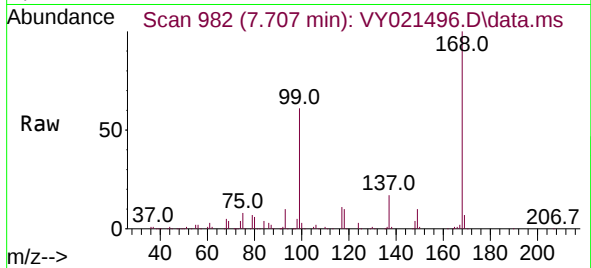




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

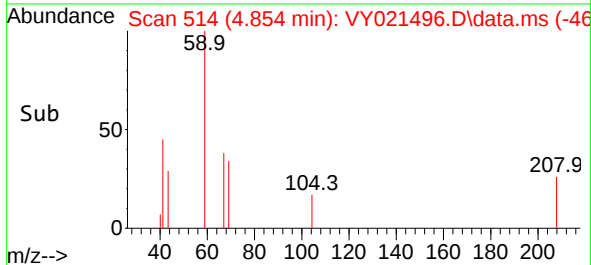
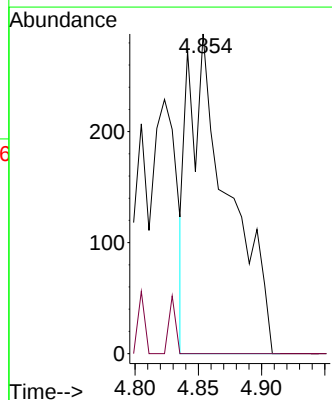
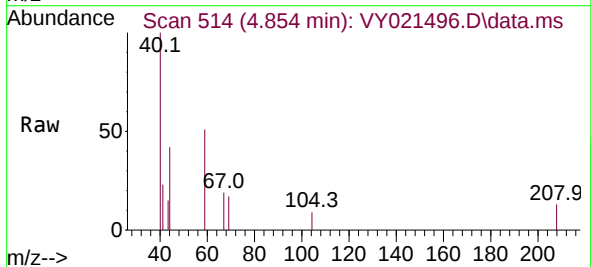
Instrument :
MSVOA_Y
ClientSampleId :
OR-363-VOC-18

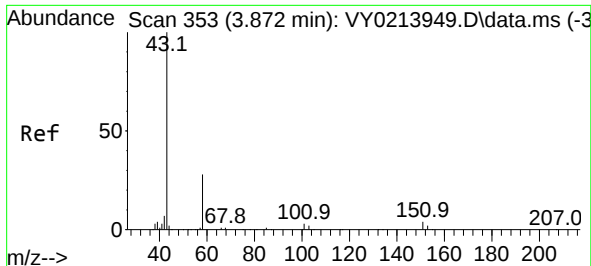
Tgt Ion:168 Resp: 228282
Ion Ratio Lower Upper
168 100
99 61.3 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

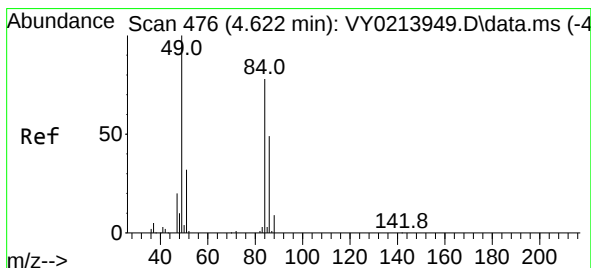
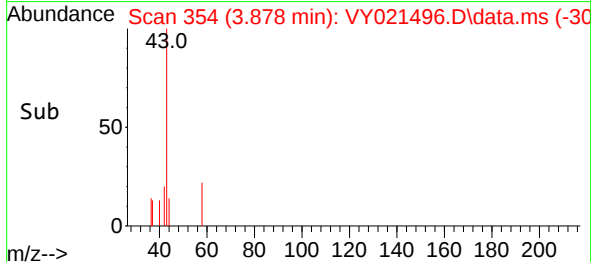
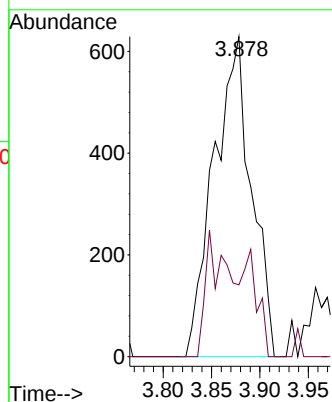
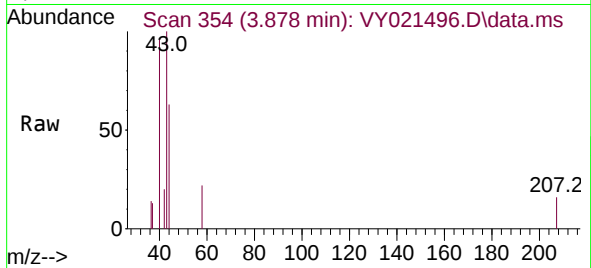




#16
Acetone
Concen: 3.228 ug/l
RT: 3.878 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

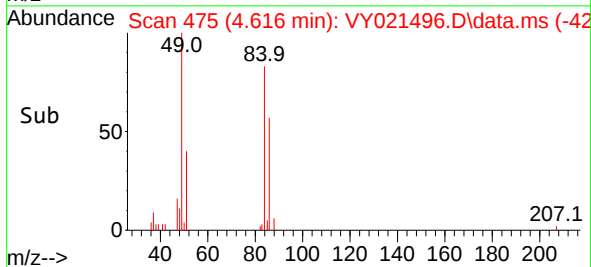
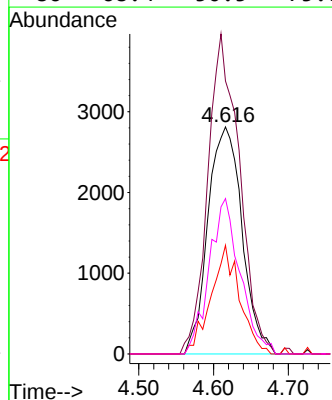
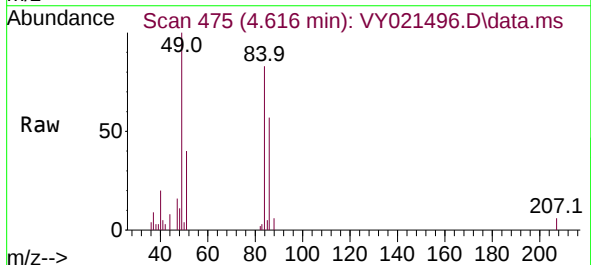
Instrument :
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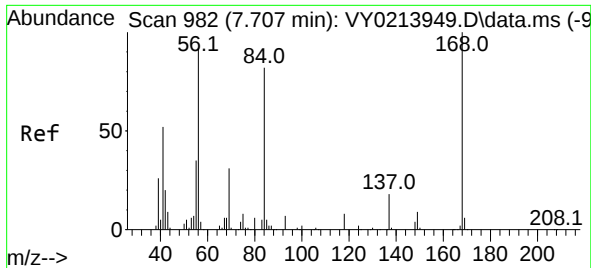
Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
58 22.4 22.1 33.1



#20
Methylene Chloride
Concen: 3.235 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

Tgt Ion: 84 Resp: 8936
Ion Ratio Lower Upper
84 100
49 120.2 102.0 153.0
51 47.8 33.0 49.6
86 68.4 50.5 75.7

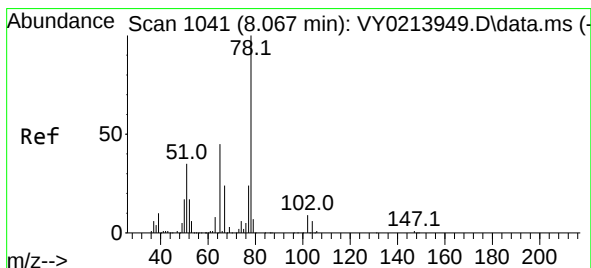
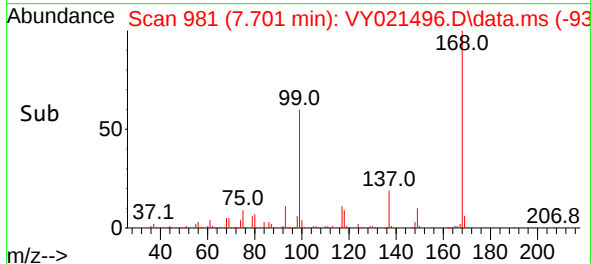
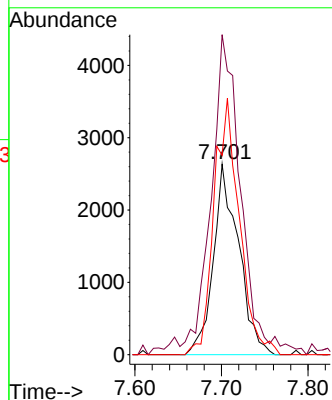
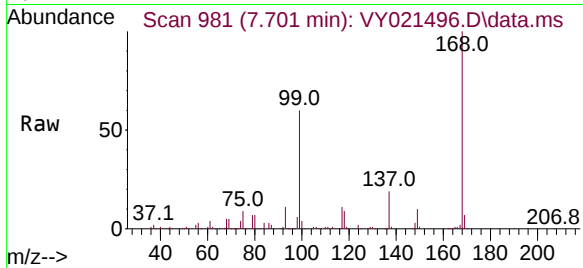




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

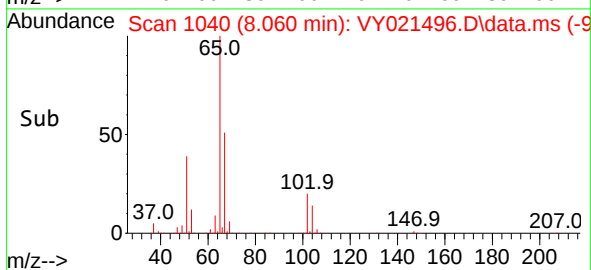
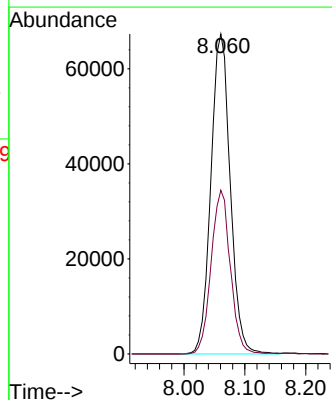
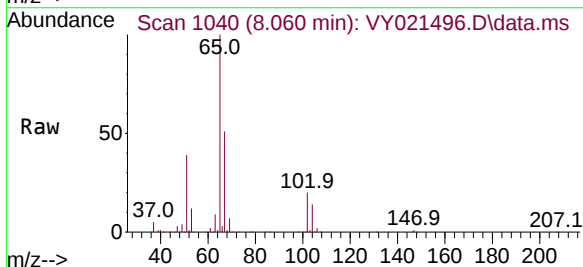
Instrument :
MSVOA_Y
ClientSampleId :
OR-363-VOC-18

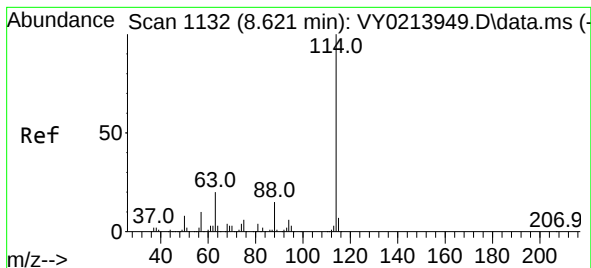
Tgt Ion: 56 Resp: 5346
Ion Ratio Lower Upper
56 100
69 163.7 27.0 40.4#
84 104.7 71.1 106.7



#33
1,2-Dichloroethane-d4
Concen: 61.578 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

Tgt Ion: 65 Resp: 148576
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021496.D

Acq: 11 Mar 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

OR-363-VOC-18

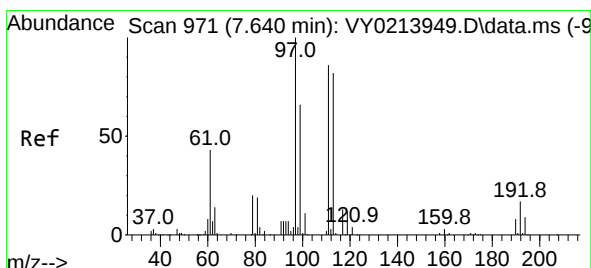
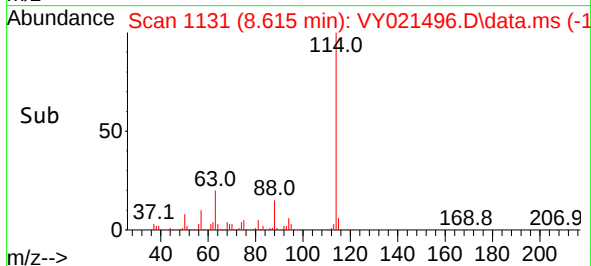
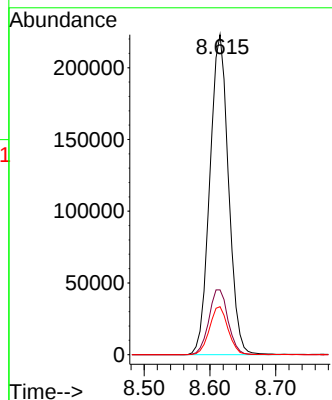
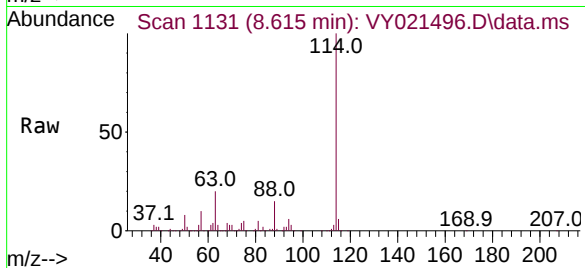
Tgt Ion:114 Resp: 439975

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.889 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021496.D

Acq: 11 Mar 2025 19:02

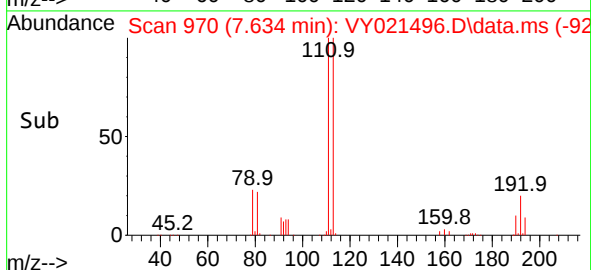
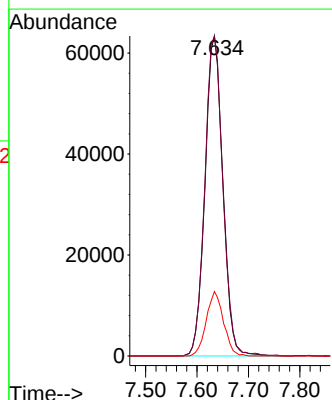
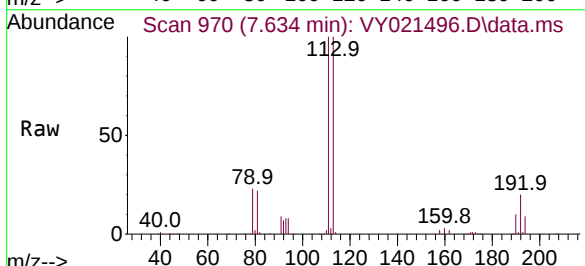
Tgt Ion:113 Resp: 152956

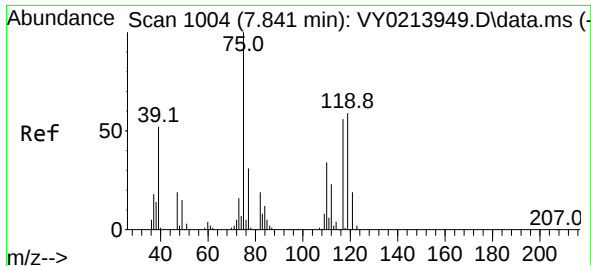
Ion Ratio Lower Upper

113 100

111 100.9 82.0 123.0

192 19.4 15.9 23.9

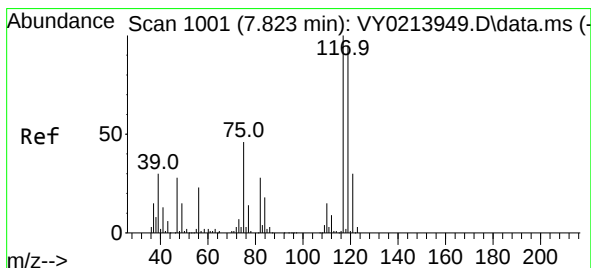
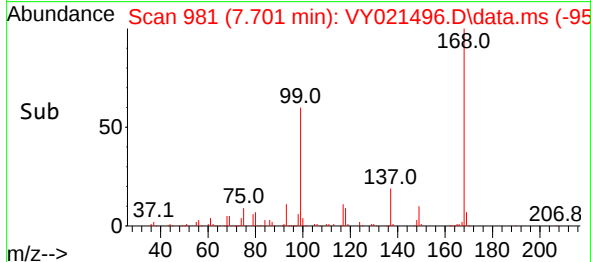
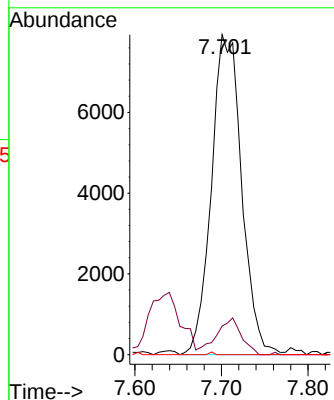
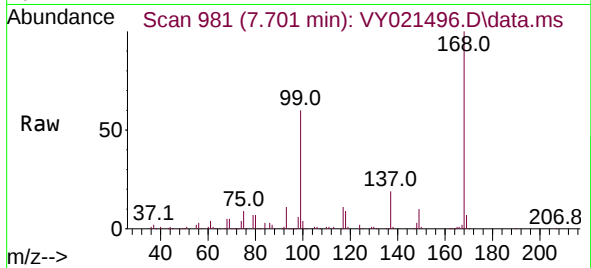




#36
1,1-Dichloropropene
Concen: 4.241 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.140 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

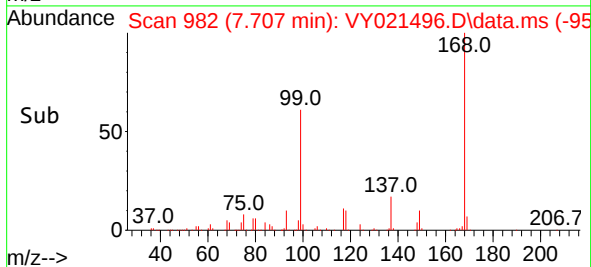
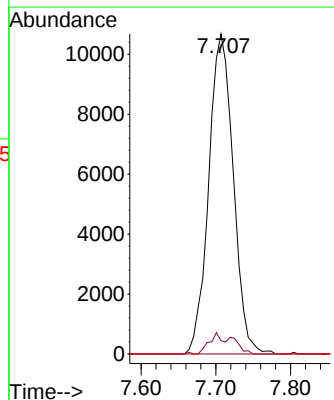
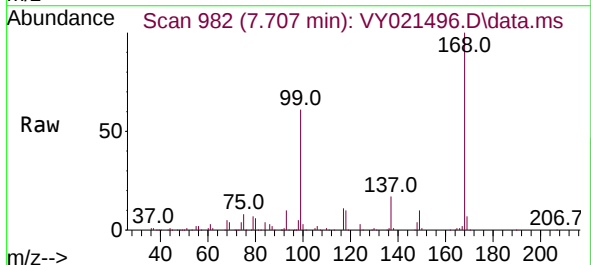
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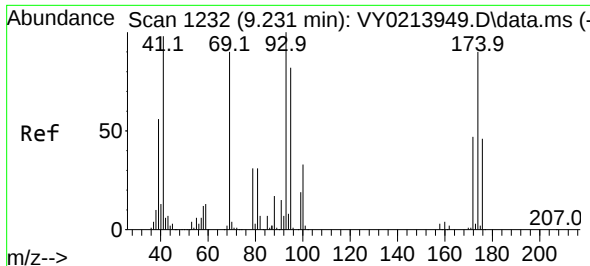
Tgt Ion: 75 Resp: 19198
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.7#
77 0.1 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 4.684 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

Tgt Ion: 117 Resp: 24387
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 23.9 35.9#





#49

1,4-Dioxane

Concen: 1.327 ug/l

RT: 9.298 min Scan# 1243

Delta R.T. 0.067 min

Lab File: VY021496.D

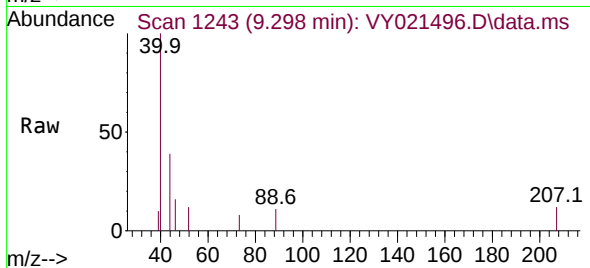
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Instrument :

MSVOA_Y

ClientSampleId :

OR-363-VOC-18



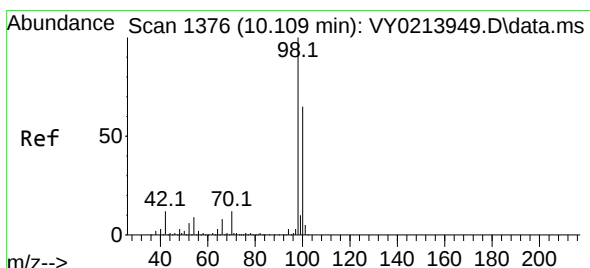
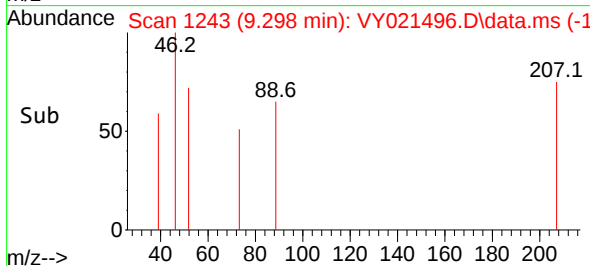
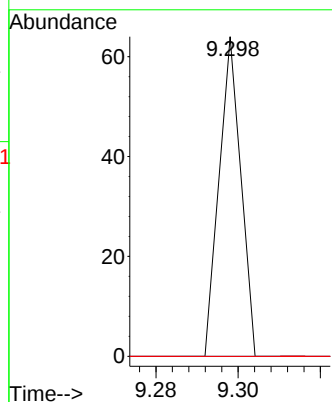
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#



#50

Toluene-d8

Concen: 49.082 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021496.D

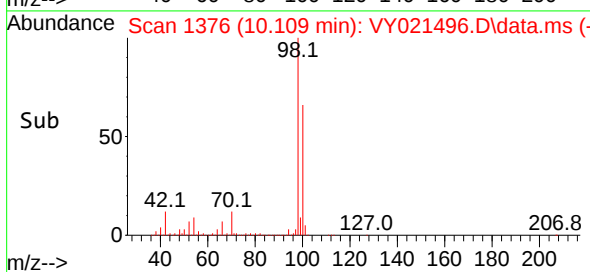
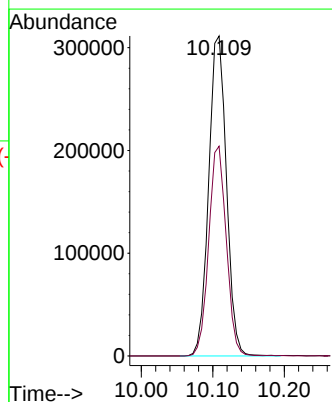
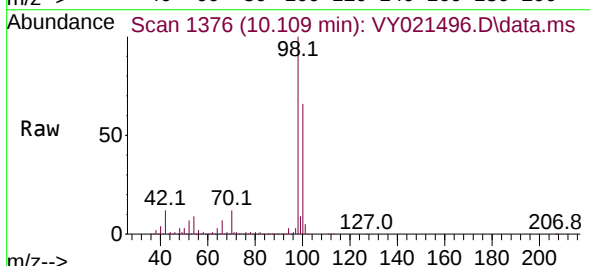
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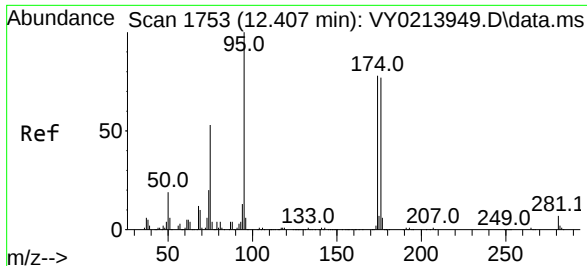
Tgt Ion: 98 Resp: 537450

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1

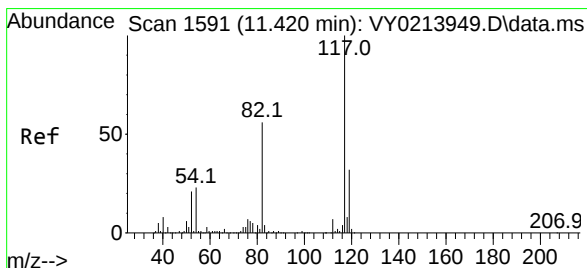
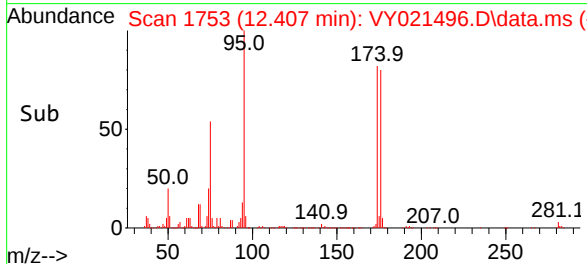
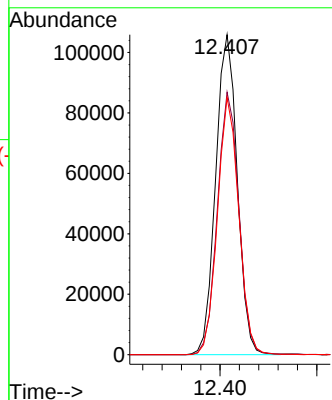
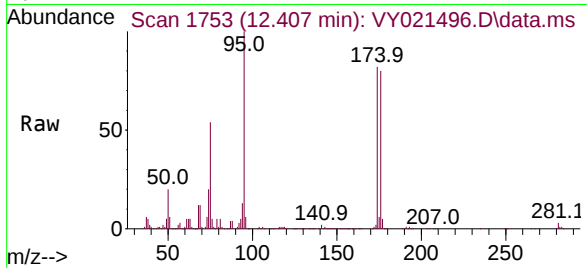




#62
4-Bromofluorobenzene
Concen: 44.012 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

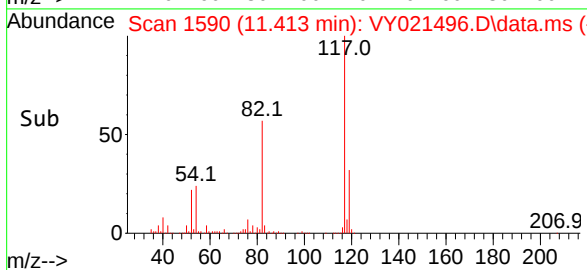
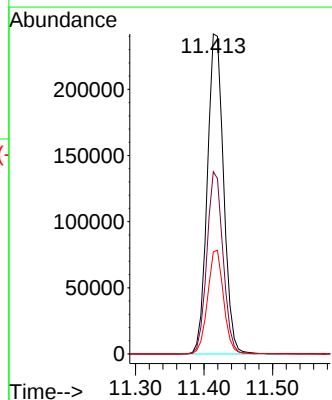
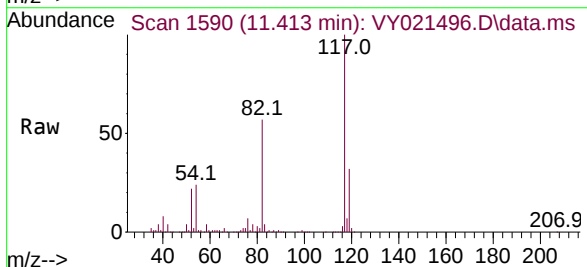
Instrument :
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ClientSampleId :
OR-363-VOC-18

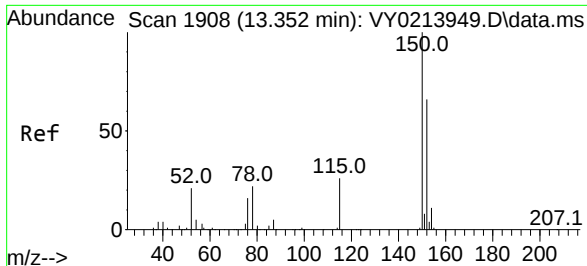
Tgt Ion: 95 Resp: 163936
Ion Ratio Lower Upper
95 100
174 81.5 0.0 165.0
176 79.3 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

Tgt Ion: 117 Resp: 400173
Ion Ratio Lower Upper
117 100
82 57.0 44.6 67.0
119 31.9 25.4 38.0

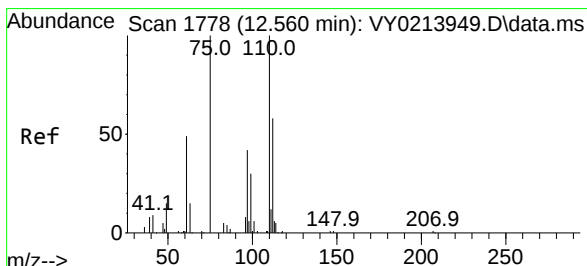
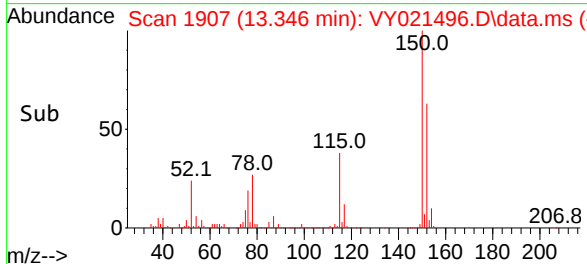
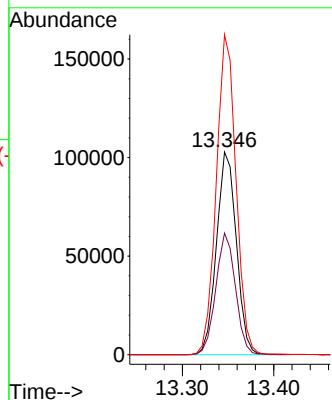
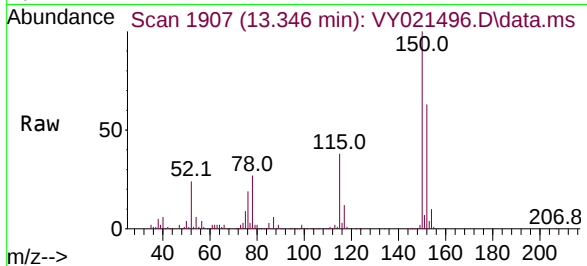




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021496.D
 Acq: 11 Mar 2025 19:02

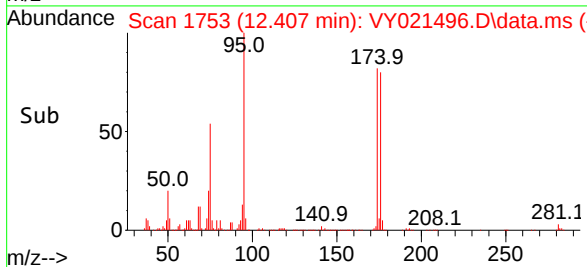
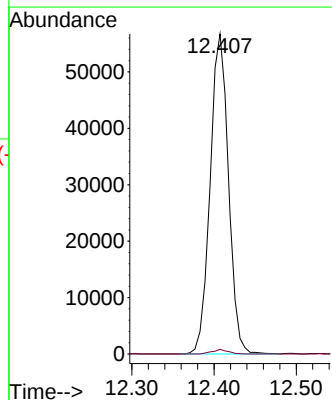
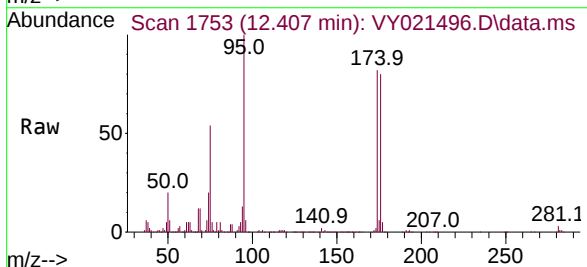
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-363-VOC-18

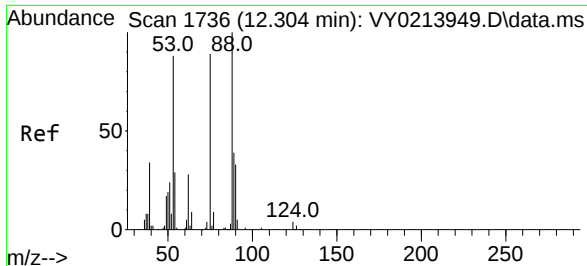
Tgt Ion:152 Resp: 155761
 Ion Ratio Lower Upper
 152 100
 115 59.1 29.0 87.0
 150 156.5 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 55.932 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021496.D
 Acq: 11 Mar 2025 19:02

Tgt Ion: 75 Resp: 87790
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

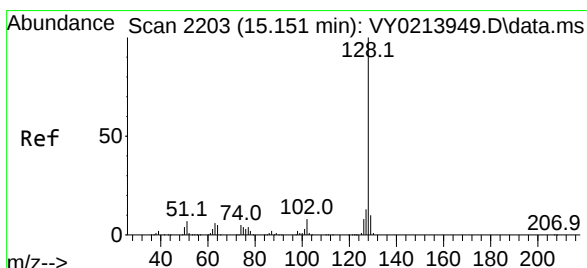
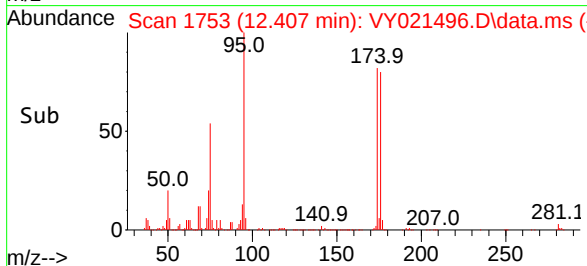
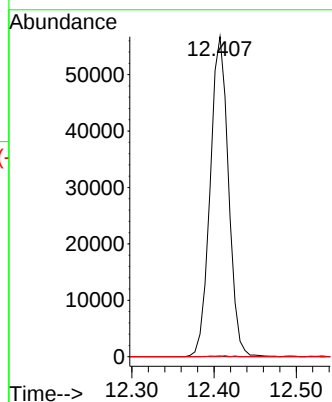
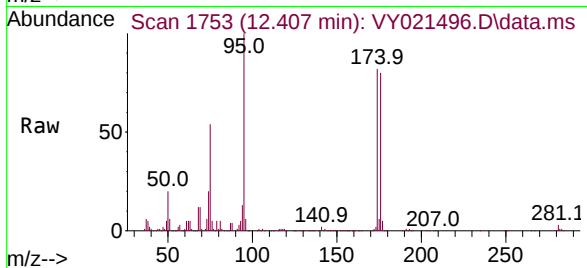




#81
trans-1,4-Dichloro-2-butene
Concen: 127.151 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

Instrument :
MSVOA_Y
ClientSampleId :
OR-363-VOC-18

Tgt Ion: 75 Resp: 87790
Ion Ratio Lower Upper
75 100
53 0.1 81.0 121.4#
89 0.1 36.9 55.3#



#95
Naphthalene
Concen: 1.453 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021496.D
Acq: 11 Mar 2025 19:02

Tgt Ion: 128 Resp: 20
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

