

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
 Data File : VY021495.D
 Acq On : 11 Mar 2025 18:39
 Operator : SY/MD
 Sample : Q1534-08
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-363-VOC-17

Quant Time: Mar 12 01:26:21 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	218566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	411520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	370876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	146310	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141708	61.343	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.680%
35) Dibromofluoromethane	7.634	113	142326	52.616	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.240%
50) Toluene-d8	10.103	98	505462	49.352	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.700%
62) 4-Bromofluorobenzene	12.407	95	153826	44.154	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.300%

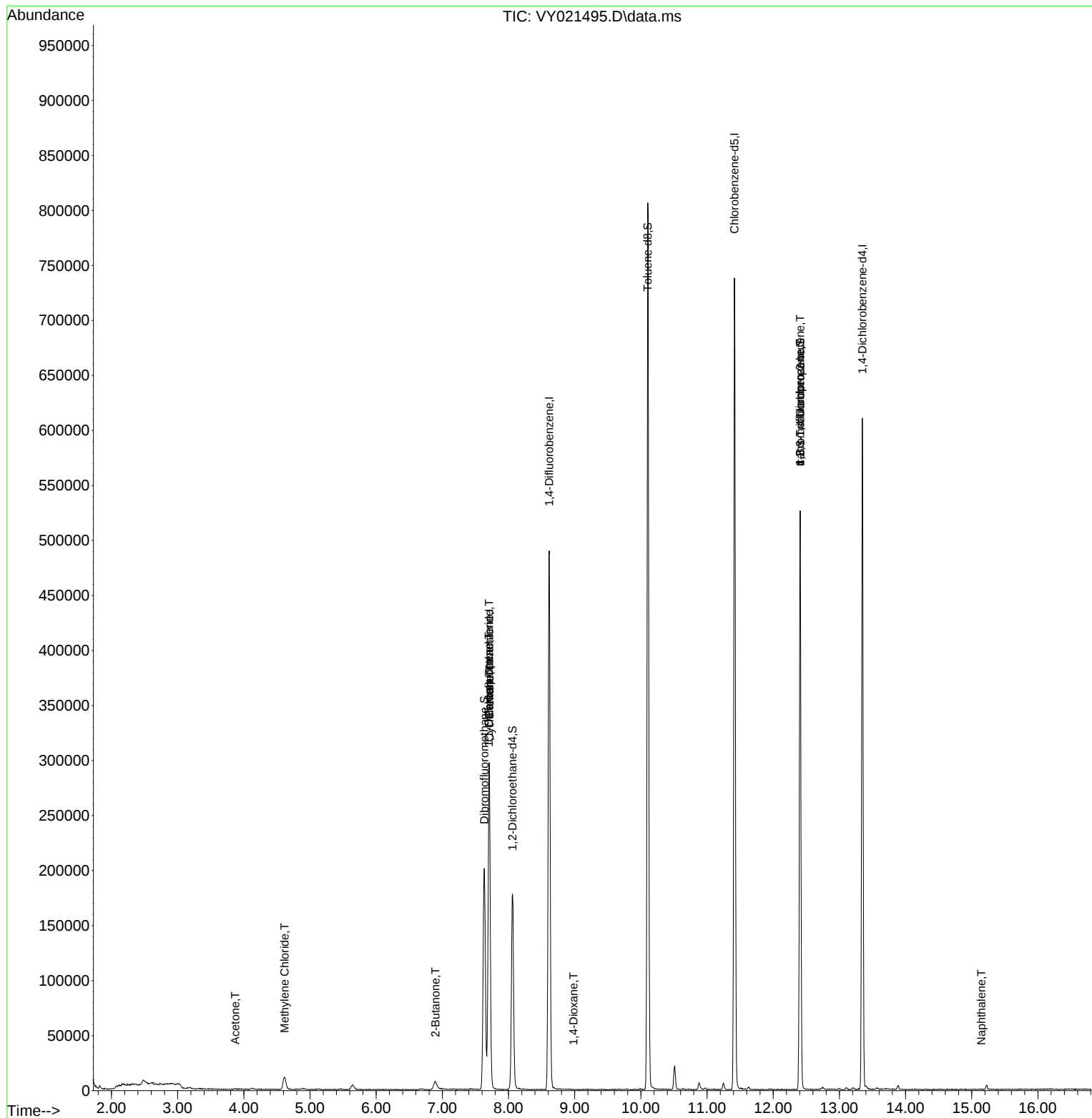
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.848	59	125	Below Cal	#	72
16) Acetone	3.872	43	1171	2.324	ug/l #	89
20) Methylene Chloride	4.616	84	8030	3.036	ug/l	95
25) 2-Butanone	6.896	43	797	1.143	ug/l #	48
31) Cyclohexane	7.713	56	5010	1.158	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	18586	4.390	ug/l #	49
38) Carbon Tetrachloride	7.707	117	22985	4.720	ug/l #	18
49) 1,4-Dioxane	8.981	88	19	1.172	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	81818	55.495	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	81818	126.156	ug/l #	9
95) Naphthalene	15.145	128	54	1.462	ug/l #	69

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

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QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

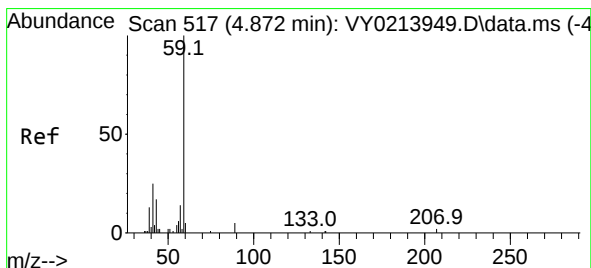
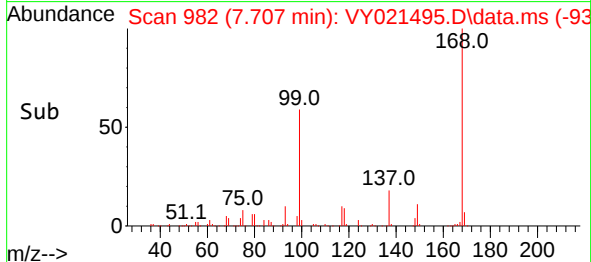
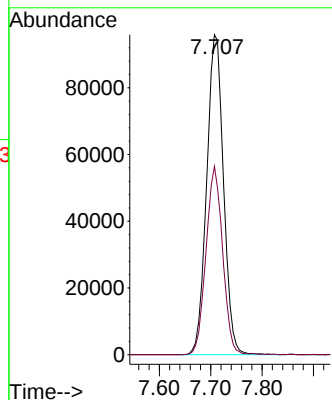
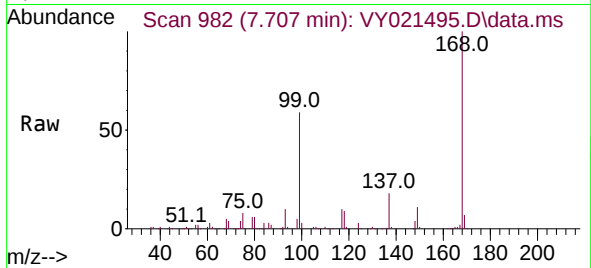




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

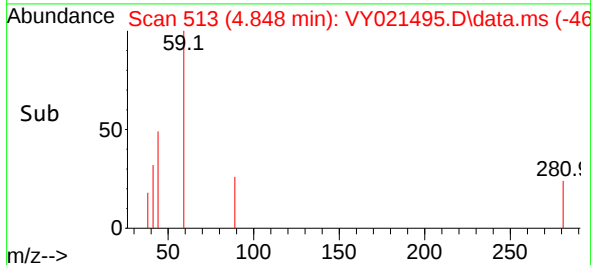
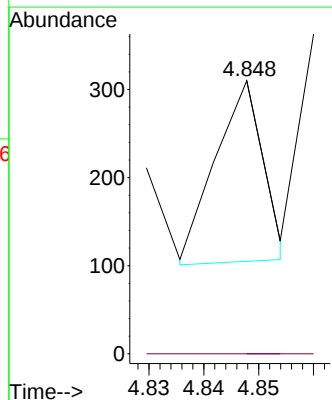
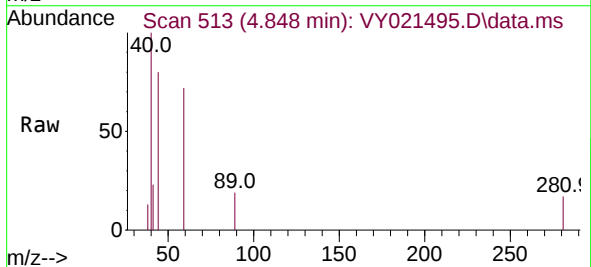
Instrument :
MSVOA_Y
ClientSampleId :
OR-363-VOC-17

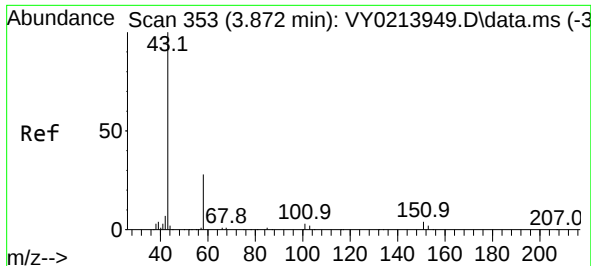
Tgt Ion:168 Resp: 218566
Ion Ratio Lower Upper
168 100
99 58.9 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

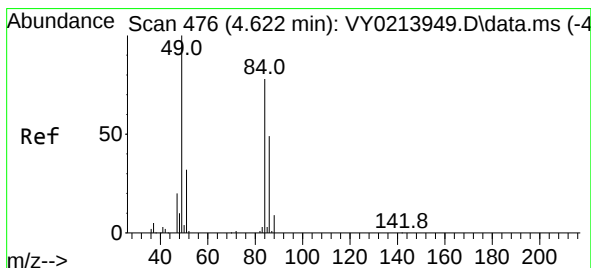
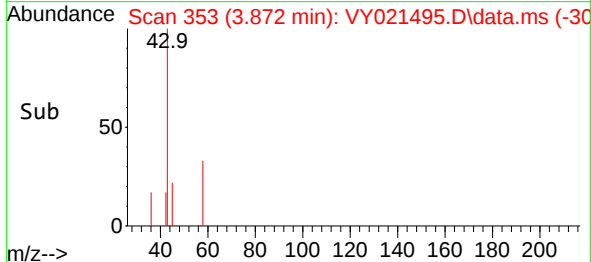
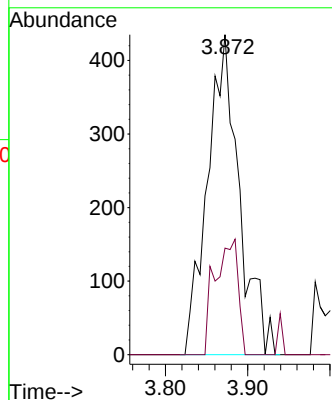
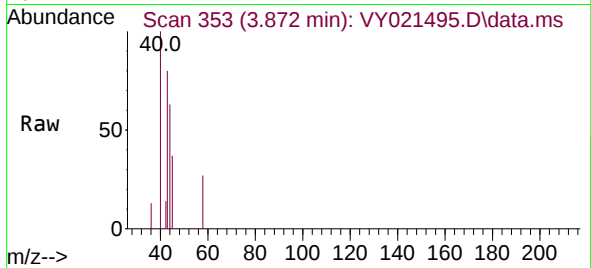




#16
Acetone
Concen: 2.324 ug/l
RT: 3.872 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

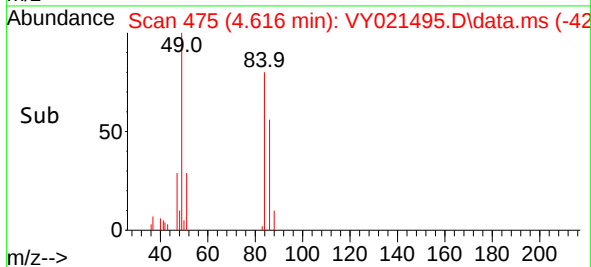
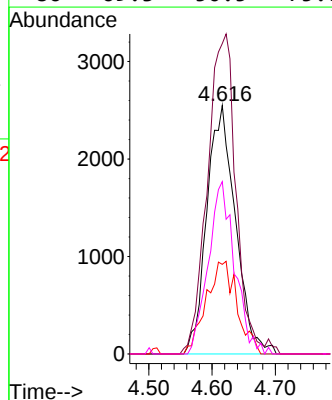
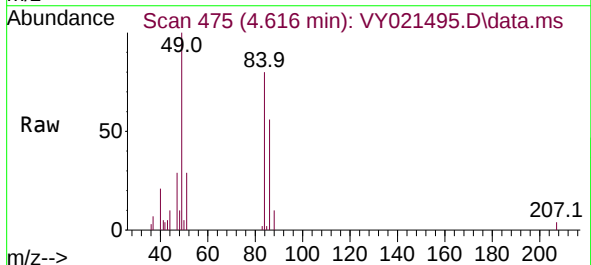
Instrument :
MSVOA_Y
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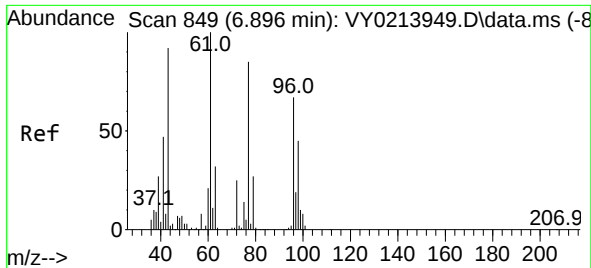
Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
58 33.3 22.1 33.1#



#20
Methylene Chloride
Concen: 3.036 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 84 Resp: 8030
Ion Ratio Lower Upper
84 100
49 124.9 102.0 153.0
51 36.1 33.0 49.6
86 69.3 50.5 75.7

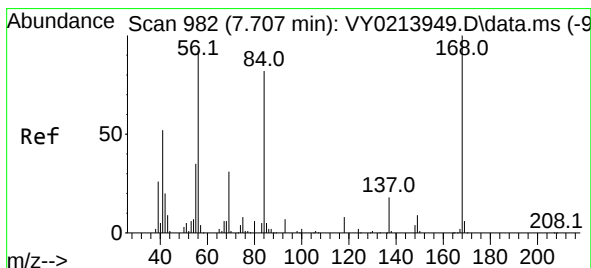
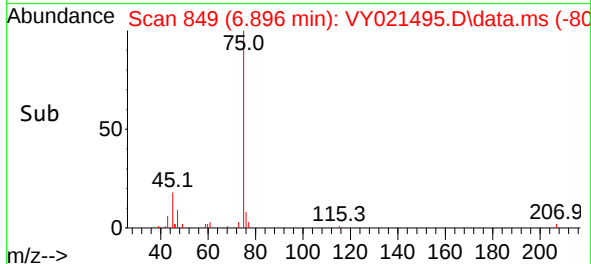
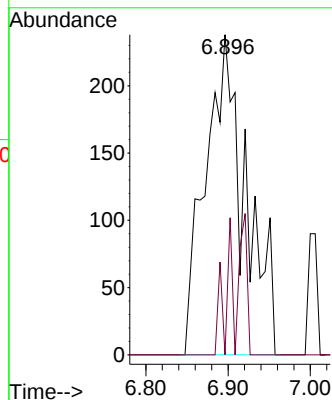
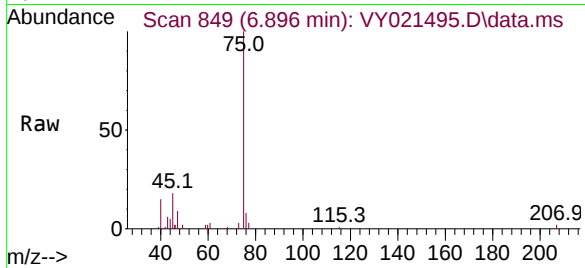




#25
2-Butanone
Concen: 1.143 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

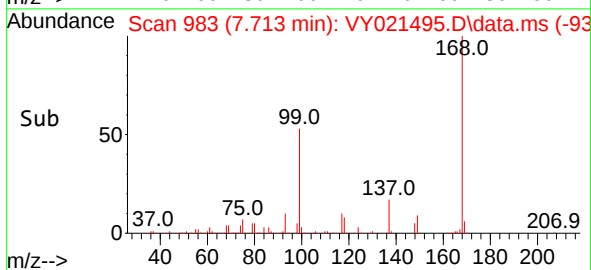
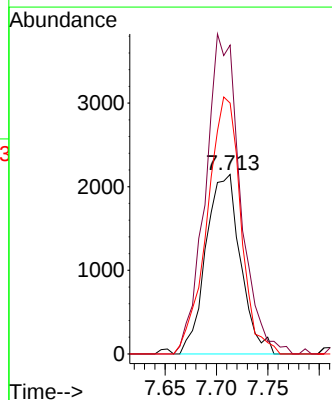
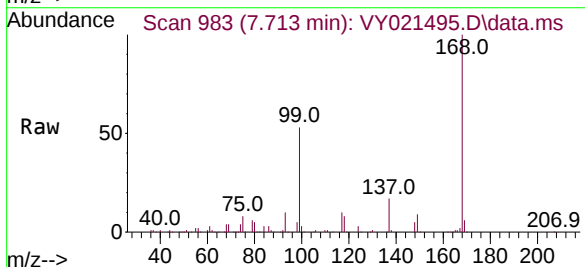
Instrument :
MSVOA_Y
ClientSampleId :
OR-363-VOC-17

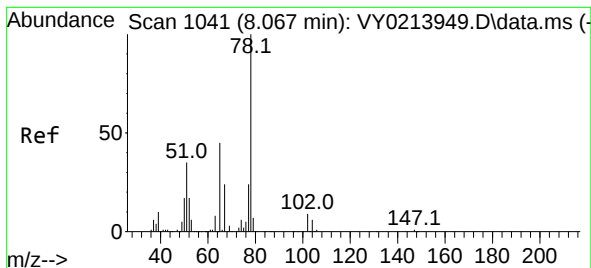
Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 56 Resp: 5010
Ion Ratio Lower Upper
56 100
69 168.3 27.0 40.4#
84 139.8 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 61.343 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021495.D

Acq: 11 Mar 2025 18:39

Instrument :

MSVOA_Y

ClientSampleId :

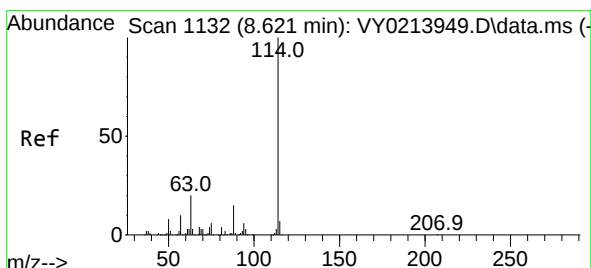
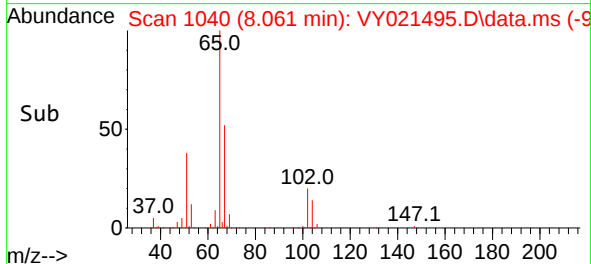
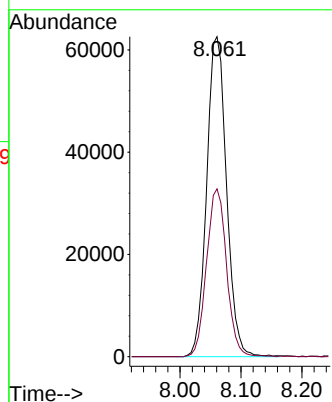
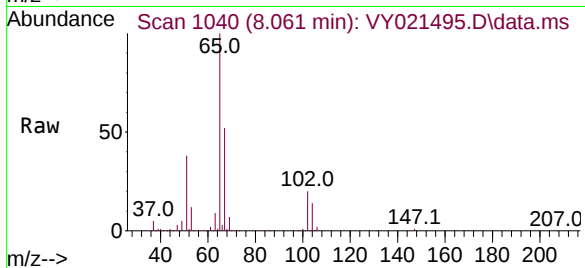
OR-363-VOC-17

Tgt Ion: 65 Resp: 141708

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021495.D

Acq: 11 Mar 2025 18:39

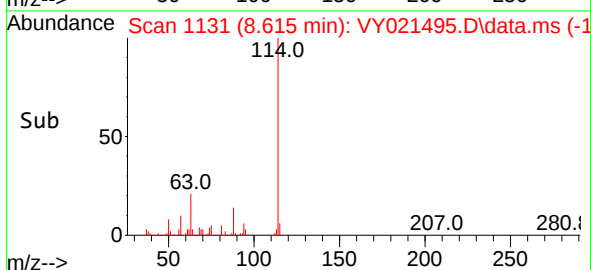
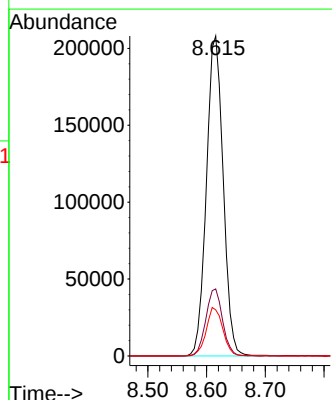
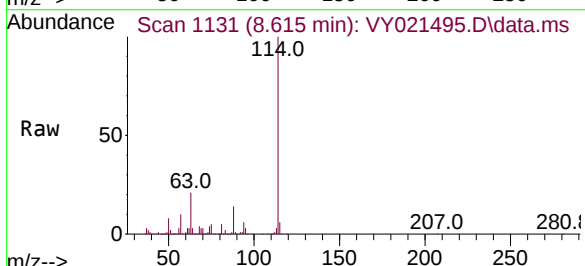
Tgt Ion: 114 Resp: 411520

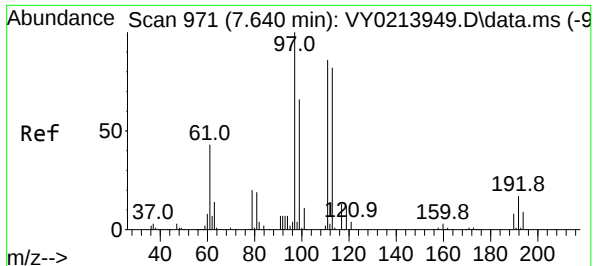
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

88 14.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.616 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021495.D

Acq: 11 Mar 2025 18:39

Instrument :

MSVOA_Y

ClientSampleId :

OR-363-VOC-17

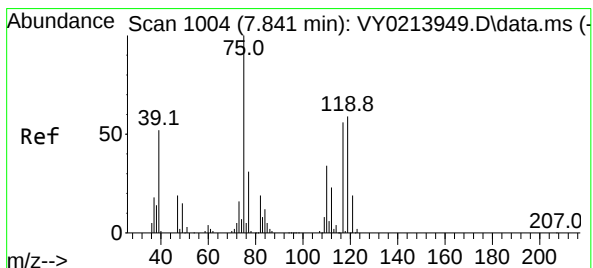
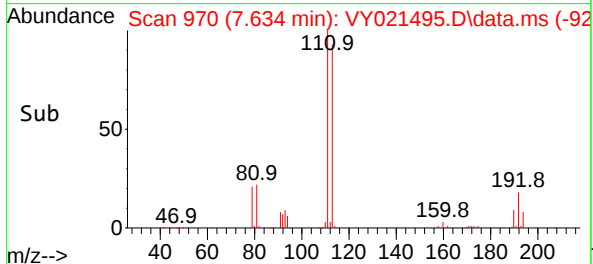
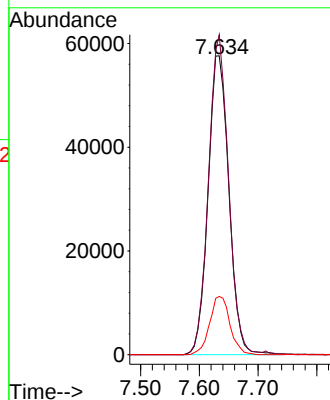
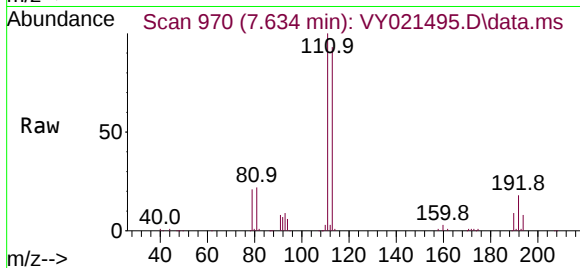
Tgt Ion:113 Resp: 142326

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 19.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.390 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY021495.D

Acq: 11 Mar 2025 18:39

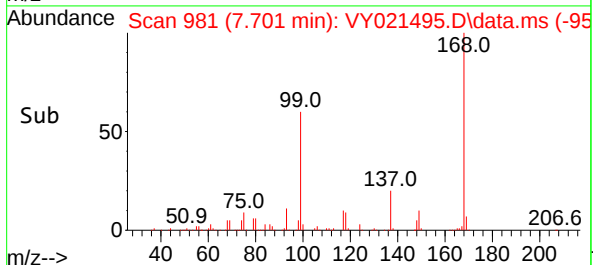
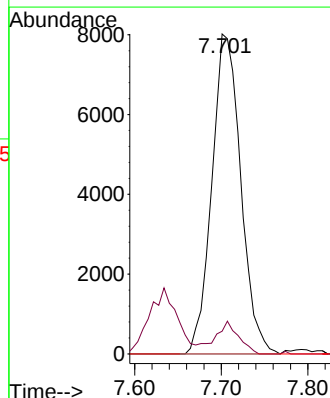
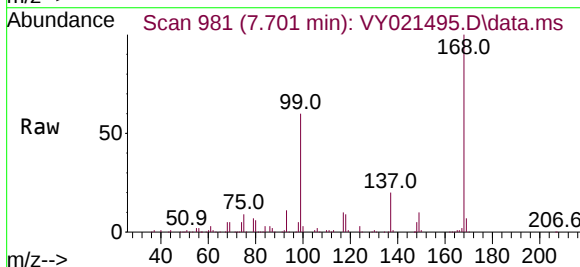
Tgt Ion: 75 Resp: 18586

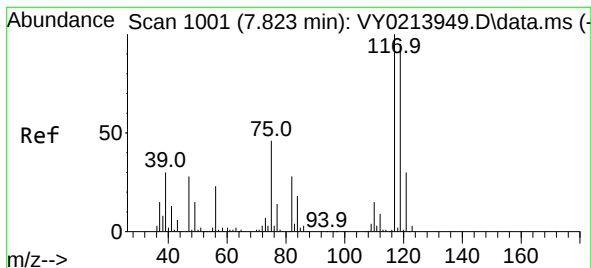
Ion Ratio Lower Upper

75 100

110 8.0 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.720 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021495.D

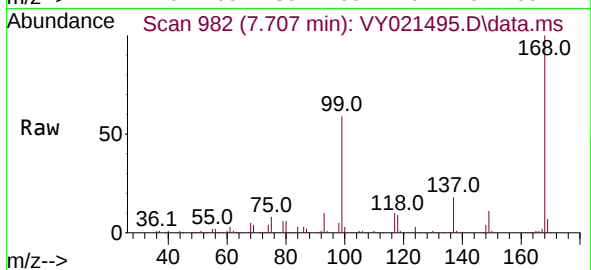
Acq: 11 Mar 2025 18:39

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ClientSampleId :

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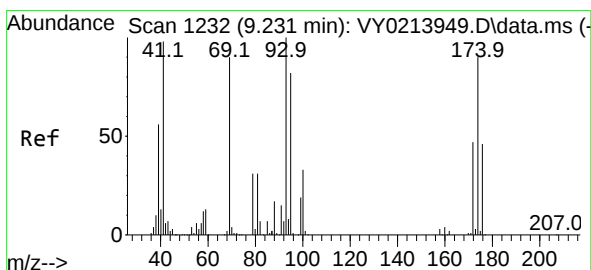
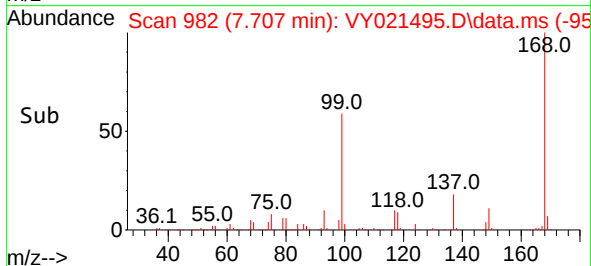
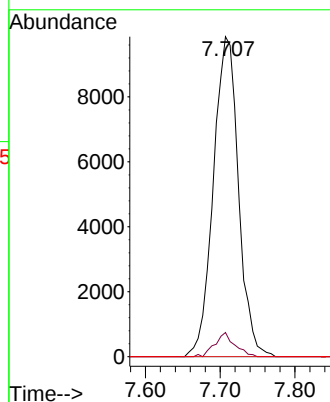
Tgt Ion:117 Resp: 22985

Ion Ratio Lower Upper

117 100

119 7.5 75.8 113.8#

121 0.0 23.9 35.9#



#49

1,4-Dioxane

Concen: 1.172 ug/l

RT: 8.981 min Scan# 1191

Delta R.T. -0.250 min

Lab File: VY021495.D

Acq: 11 Mar 2025 18:39

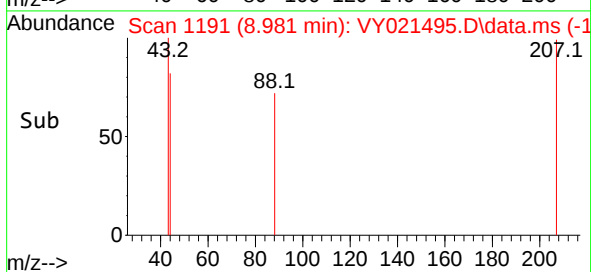
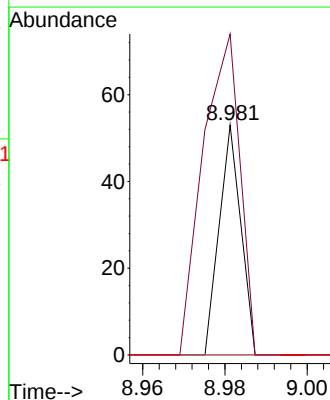
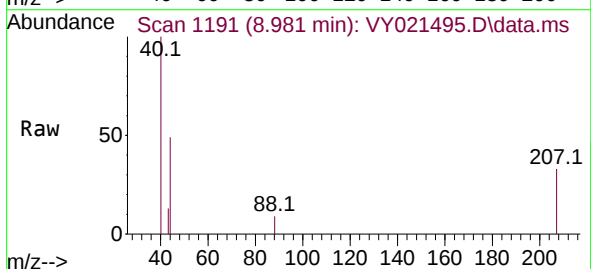
Tgt Ion: 88 Resp: 19

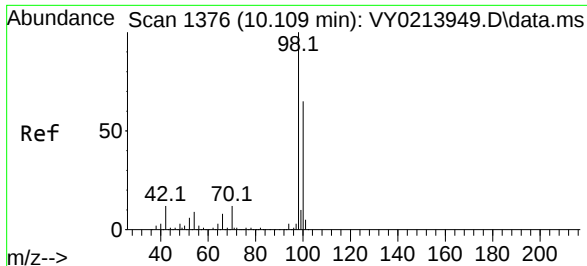
Ion Ratio Lower Upper

88 100

43 242.1 25.0 37.4#

58 0.0 58.4 87.6#

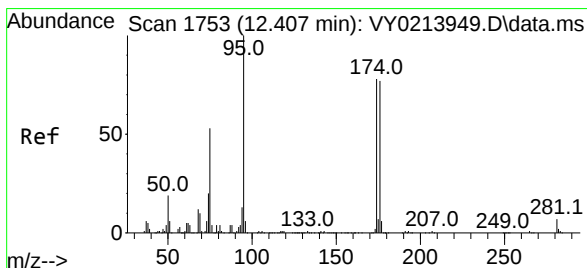
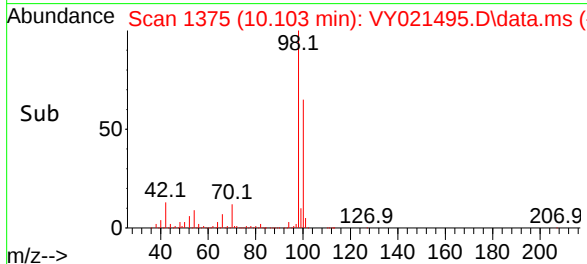
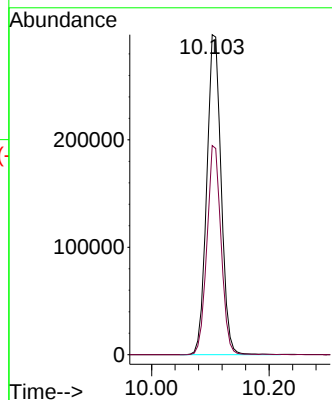
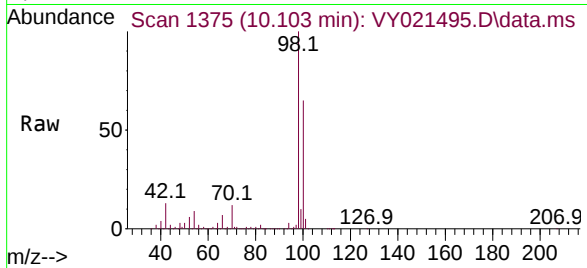




#50
Toluene-d8
Concen: 49.352 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

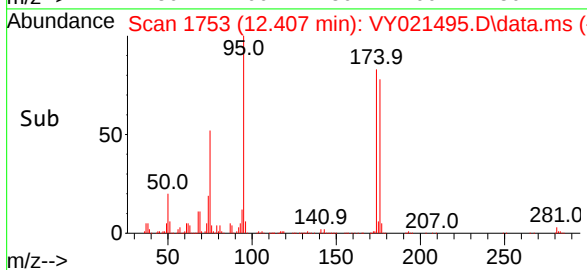
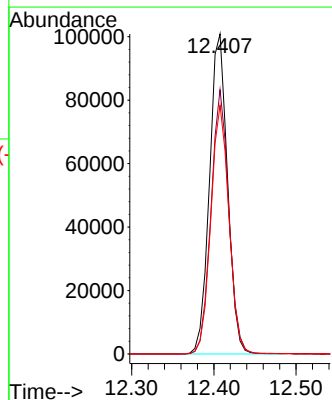
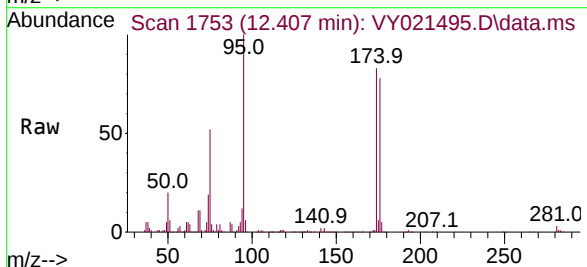
Instrument :
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OR-363-VOC-17

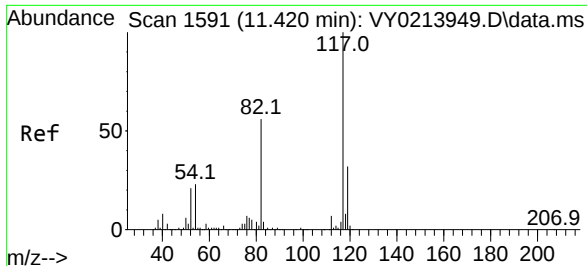
Tgt Ion: 98 Resp: 505462
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 44.154 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 95 Resp: 153826
Ion Ratio Lower Upper
95 100
174 81.6 0.0 165.0
176 77.9 0.0 160.0

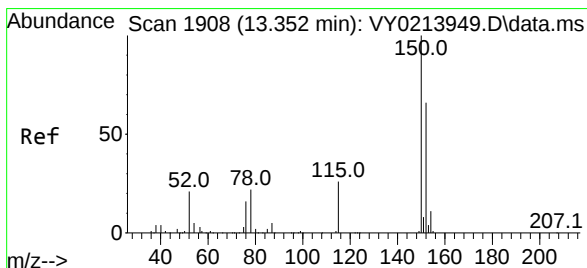
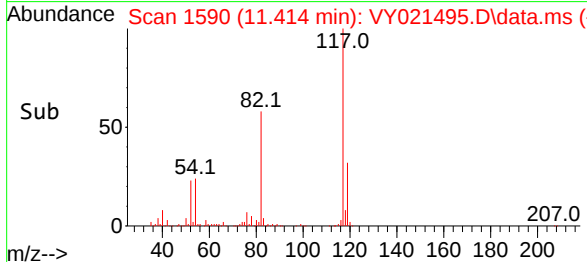
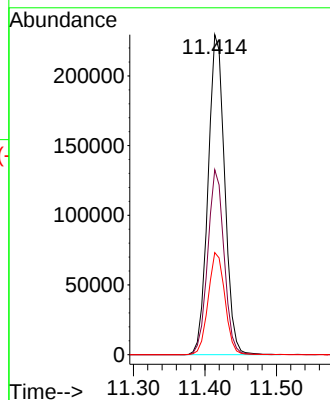
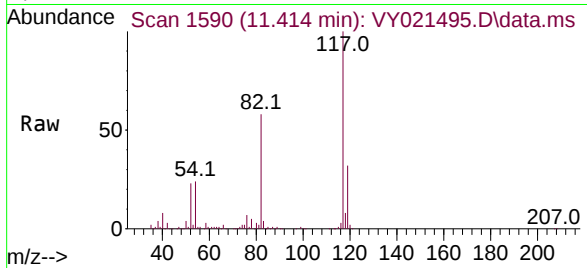




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

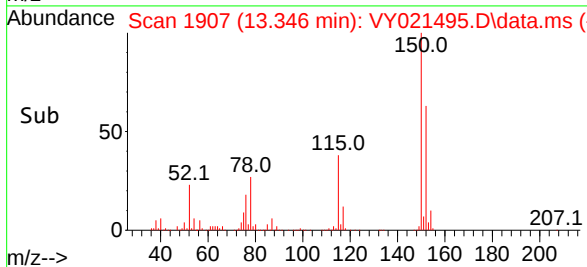
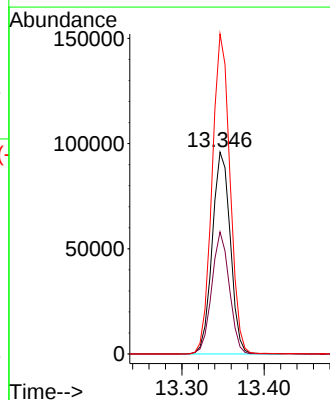
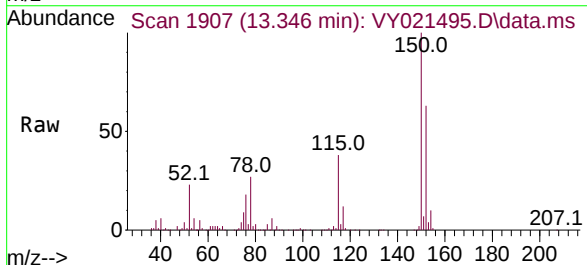
Instrument :
MSVOA_Y
ClientSampleId :
OR-363-VOC-17

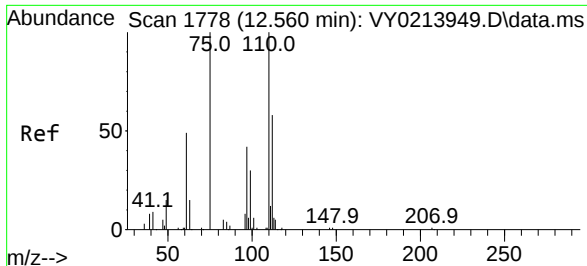
Tgt Ion:117 Resp: 370876
Ion Ratio Lower Upper
117 100
82 57.8 44.6 67.0
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

Tgt Ion:152 Resp: 146310
Ion Ratio Lower Upper
152 100
115 58.9 29.0 87.0
150 157.3 0.0 347.2

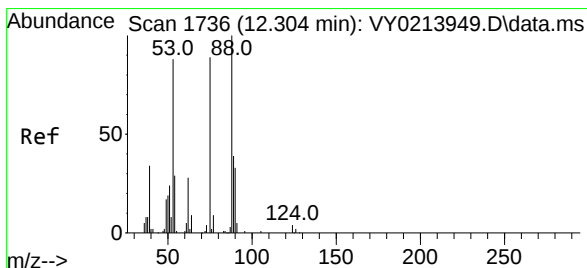
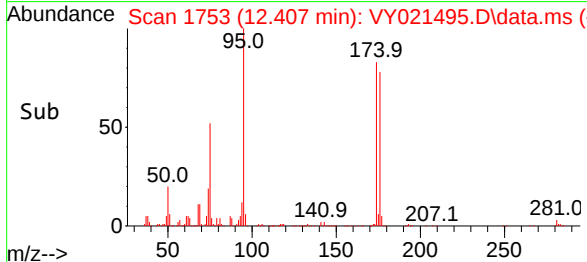
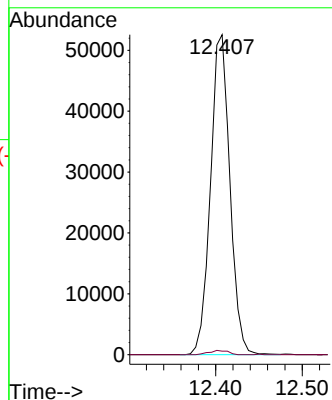
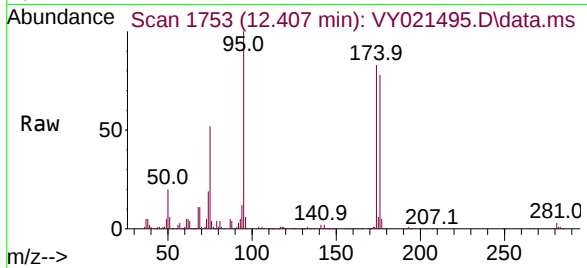




#76
1,2,3-Trichloropropane
Concen: 55.495 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

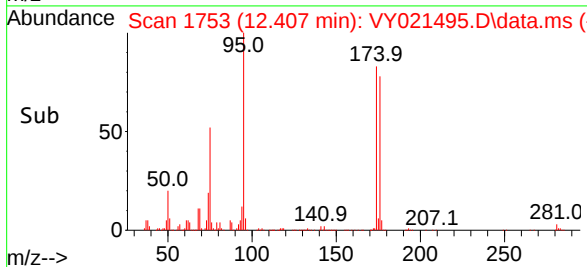
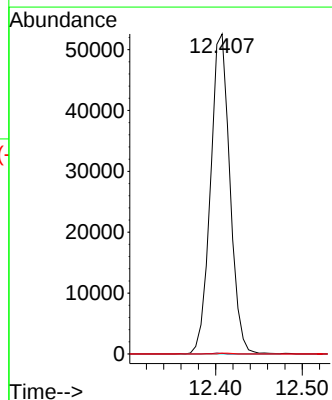
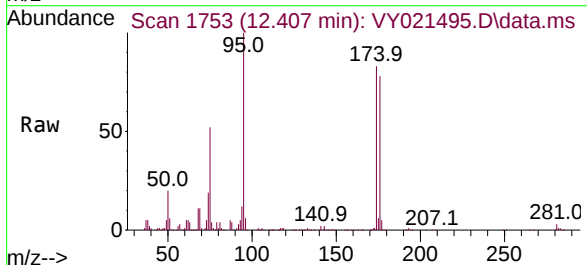
Instrument :
MSVOA_Y
ClientSampleId :
OR-363-VOC-17

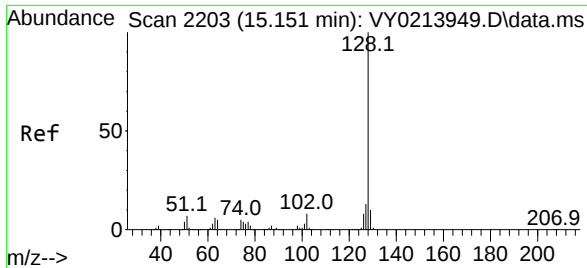
Tgt Ion: 75 Resp: 81818
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.156 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021495.D
Acq: 11 Mar 2025 18:39

Tgt Ion: 75 Resp: 81818
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.2 36.9 55.3#





#95

Naphthalene

Concen: 1.462 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021495.D

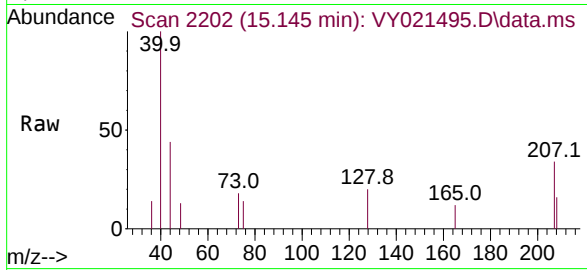
Acq: 11 Mar 2025 18:39

Instrument :

MSVOA_Y

ClientSampleId :

OR-363-VOC-17



Tgt Ion:128 Resp: 54

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

