

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023881.D
 Acq On : 04 Dec 2025 09:52
 Operator : SY/MD
 Sample : Q3750-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FENCE WC-1-VOC

Quant Time: Dec 05 01:42:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	609981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1109884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	928578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	357677	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	332965	54.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.140%
35) Dibromofluoromethane	7.640	113	350111	49.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.360%
50) Toluene-d8	10.109	98	1296389	46.800	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.600%
62) 4-Bromofluorobenzene	12.408	95	361667	38.279	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.560%

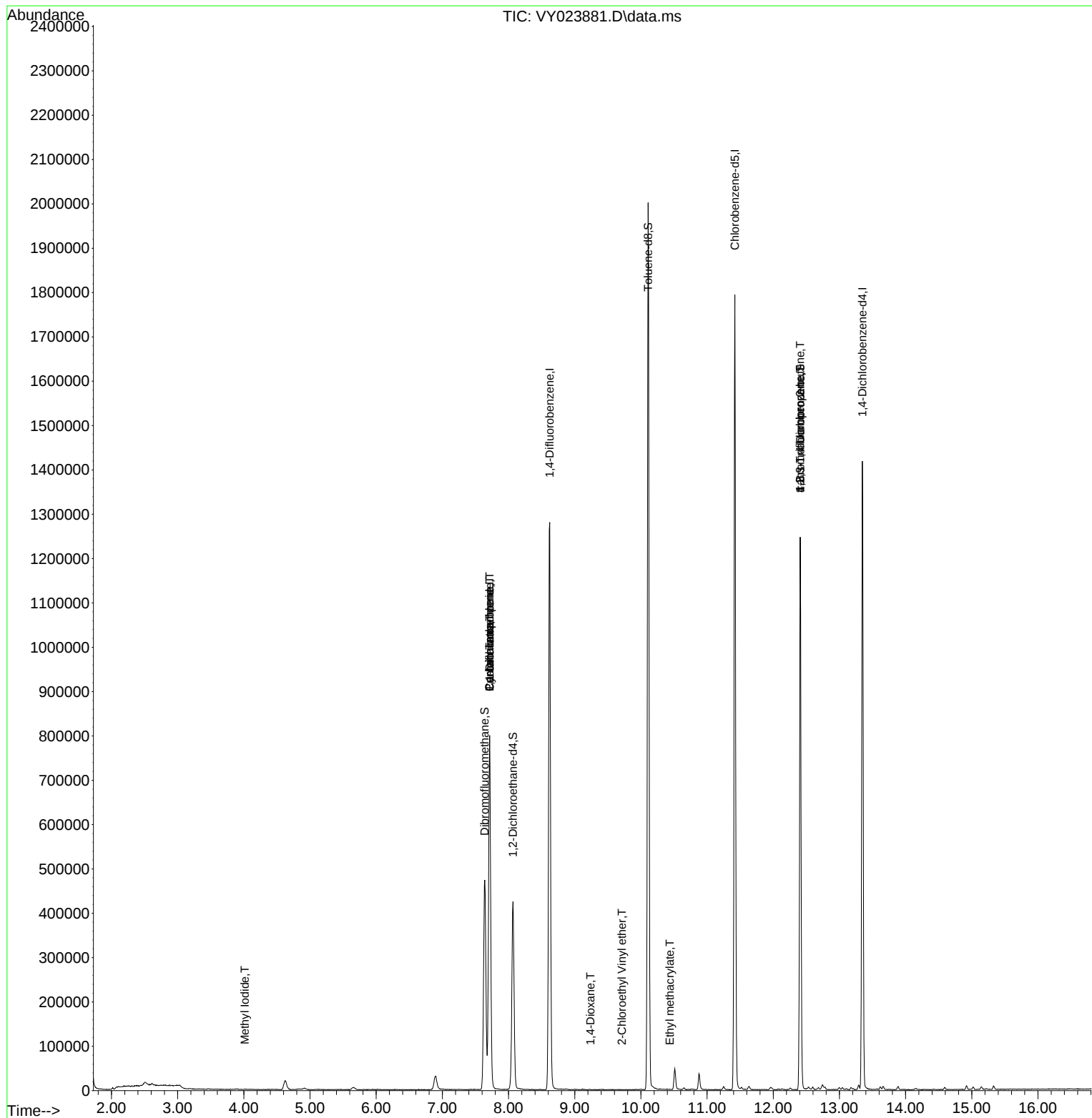
Target Compounds					Qvalue	
10) Methyl Iodide	4.013	142	578	2.519	ug/l #	62
11) Tert butyl alcohol	4.860	59	690	Below Cal	#	74
31) Cyclohexane	7.713	56	12473	1.091	ug/l #	5
36) 1,1-Dichloropropene	7.713	75	48196	4.592	ug/l #	49
38) Carbon Tetrachloride	7.713	117	59300	5.119	ug/l #	17
49) 1,4-Dioxane	9.238	88	52	1.150	ug/l #	35
56) Ethyl methacrylate	10.439	69	64	4.158	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.713	63	98	14.744	ug/l #	47
76) 1,2,3-Trichloropropane	12.408	75	187399	52.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	187399	126.579	ug/l #	14

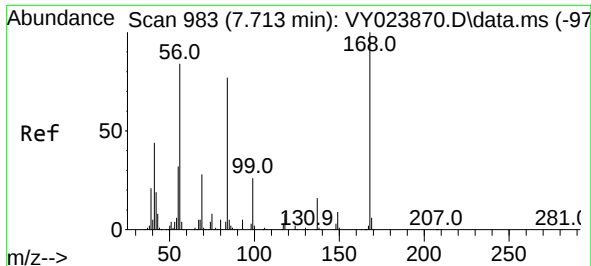
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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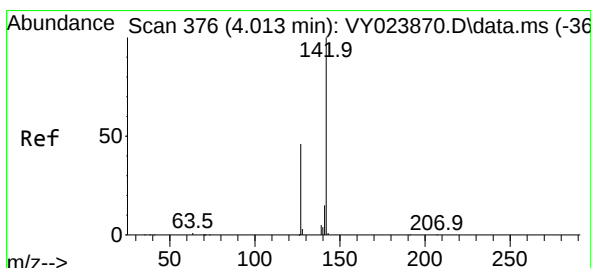
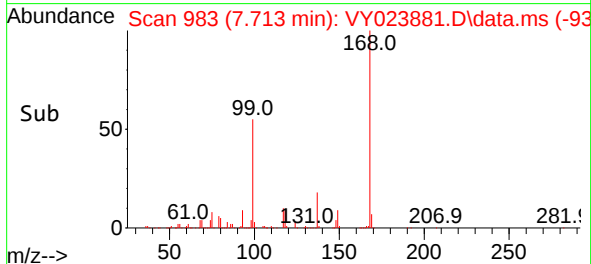
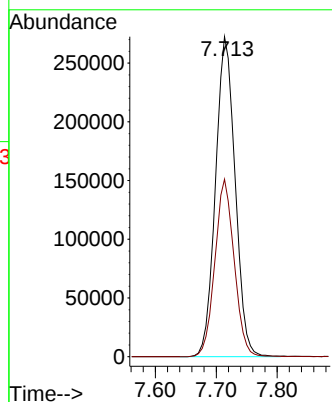
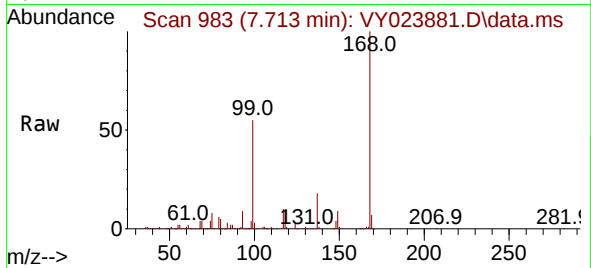




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

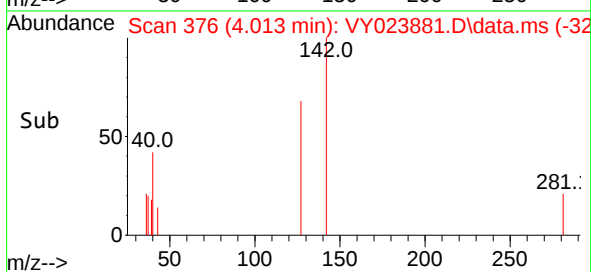
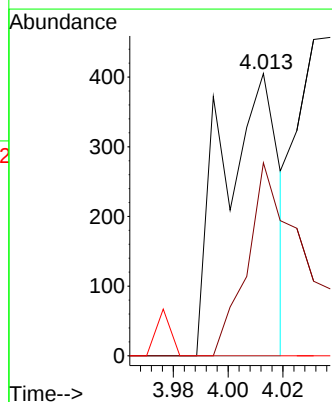
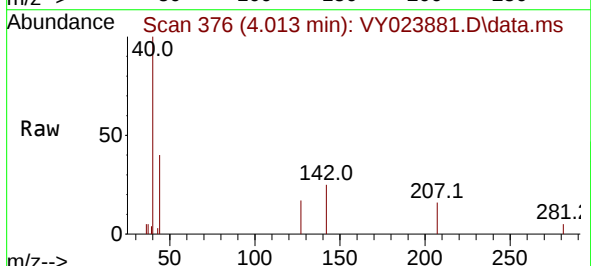
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-1-VOC

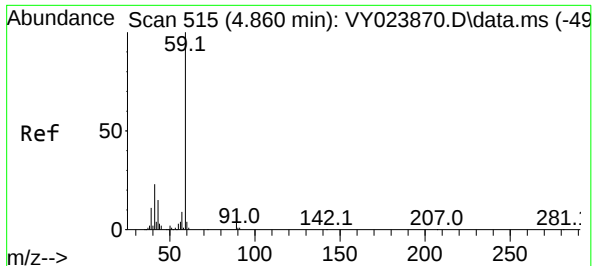
Tgt Ion:168 Resp: 609981
Ion Ratio Lower Upper
168 100
99 55.5 42.5 63.7



#10
Methyl Iodide
Concen: 2.519 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

Tgt Ion:142 Resp: 578
Ion Ratio Lower Upper
142 100
127 70.1 36.1 54.1#
141 0.0 11.8 17.8#

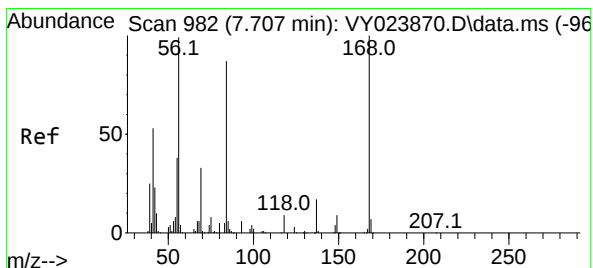
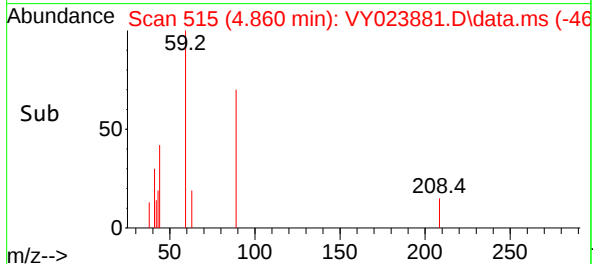
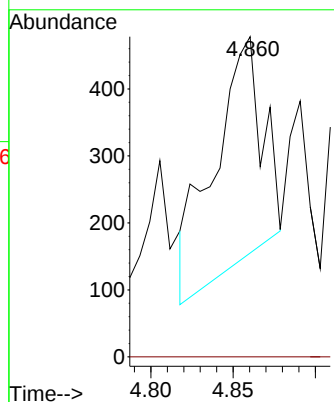
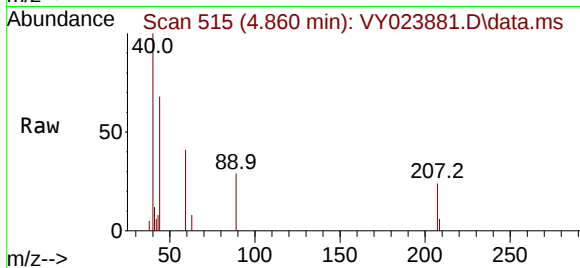




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

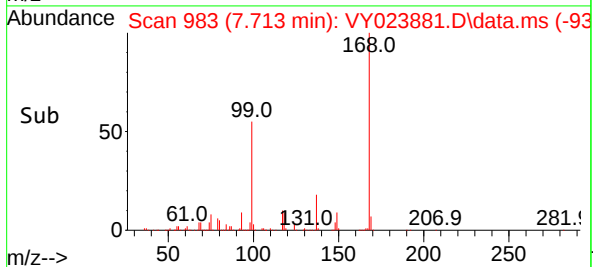
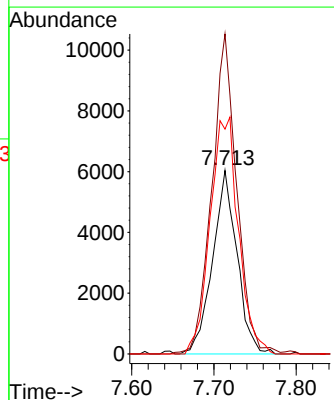
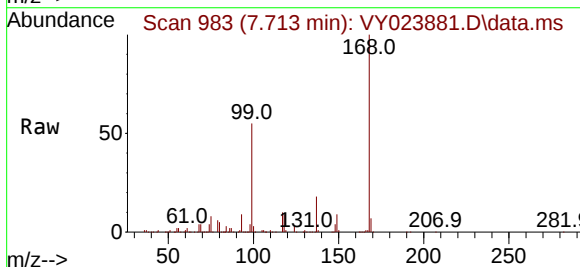
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-1-VOC

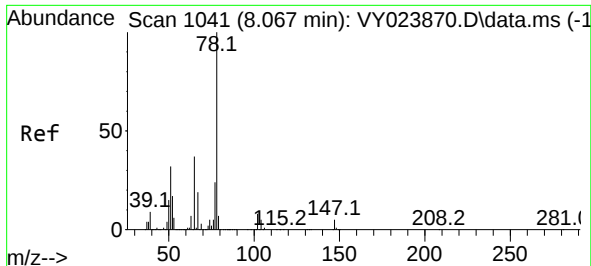
Tgt Ion: 59 Resp: 690
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

Tgt Ion: 56 Resp: 12473
Ion Ratio Lower Upper
56 100
69 173.4 26.8 40.2#
84 122.5 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 54.566 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY023881.D

Acq: 04 Dec 2025 09:52

Instrument :

MSVOA_Y

ClientSampleId :

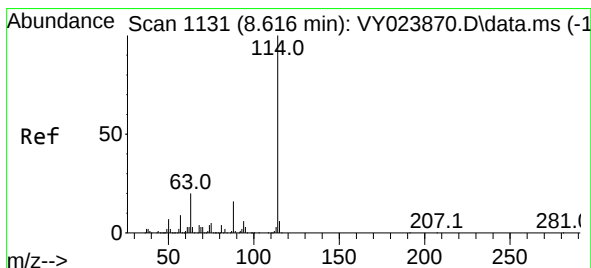
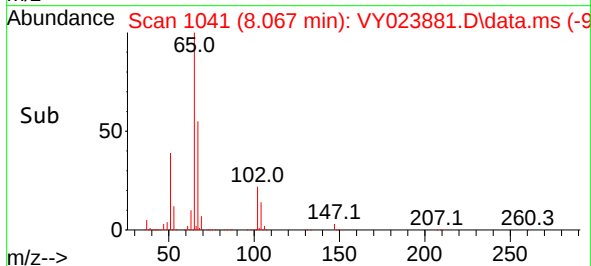
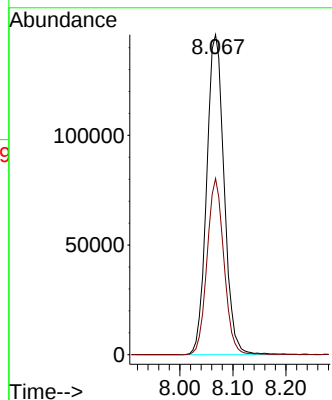
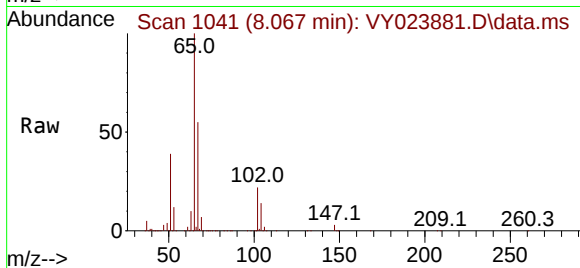
FENCE WC-1-VOC

Tgt Ion: 65 Resp: 332965

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023881.D

Acq: 04 Dec 2025 09:52

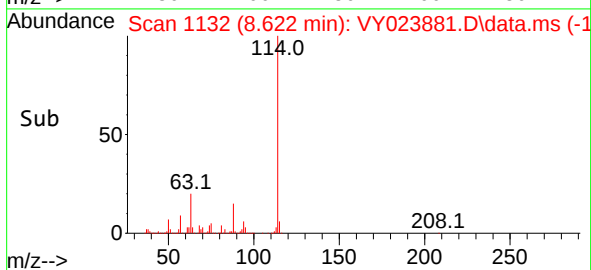
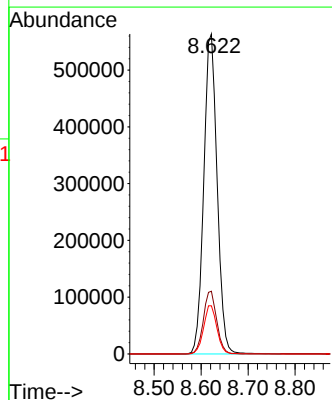
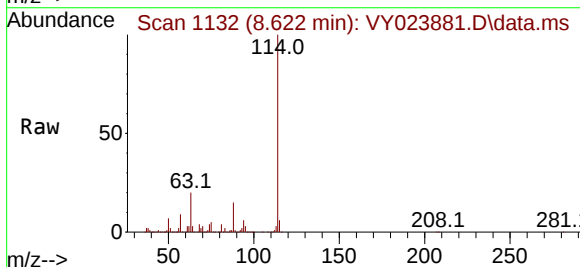
Tgt Ion: 114 Resp: 1109884

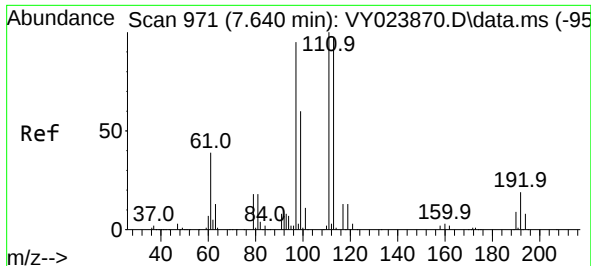
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

88 15.0 0.0 31.4

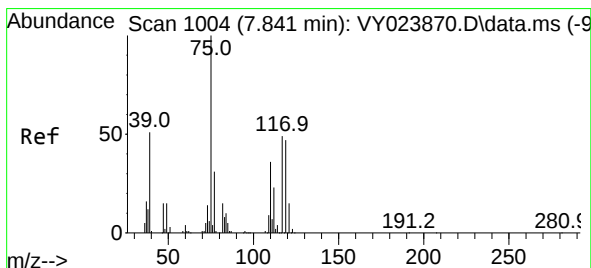
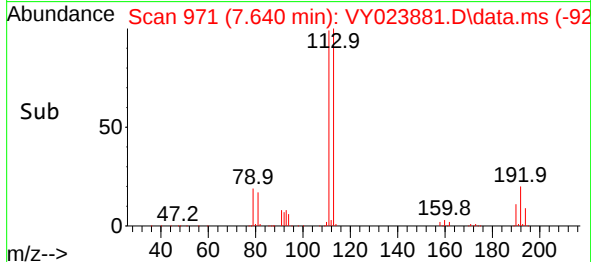
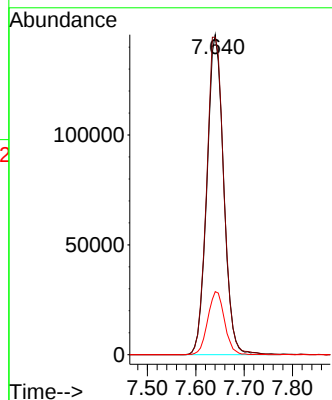
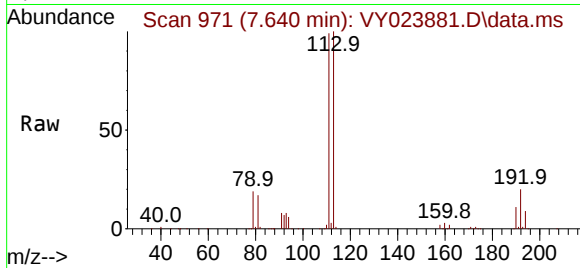




#35
Dibromofluoromethane
Concen: 49.183 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

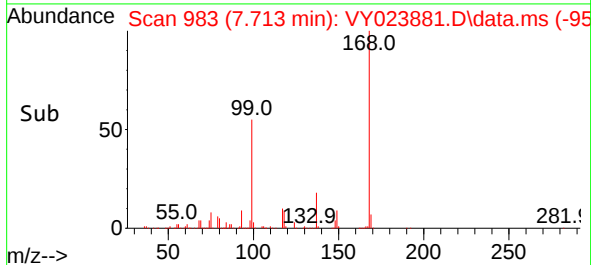
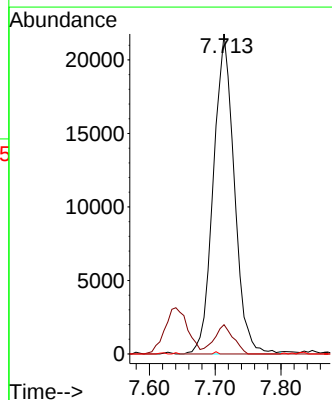
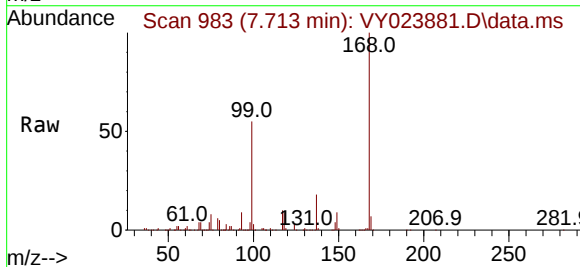
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-1-VOC

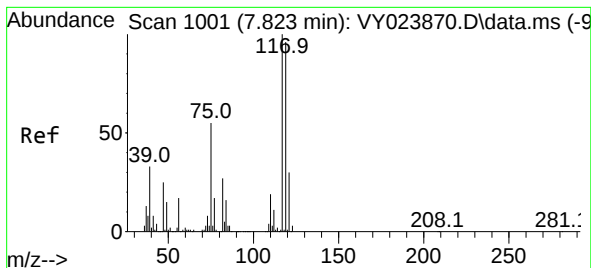
Tgt Ion:113 Resp: 350111
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 19.8 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.592 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

Tgt Ion: 75 Resp: 48196
Ion Ratio Lower Upper
75 100
110 8.1 17.6 52.9#
77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.119 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023881.D

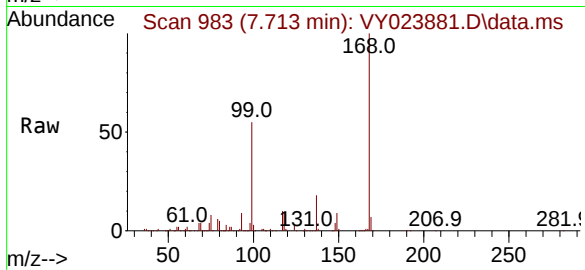
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Instrument :

MSVOA_Y

ClientSampleId :

FENCE WC-1-VOC



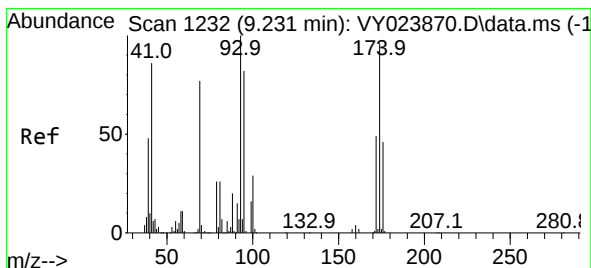
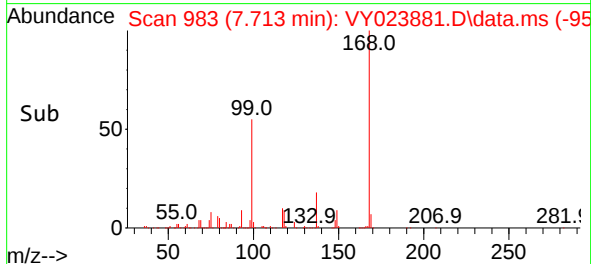
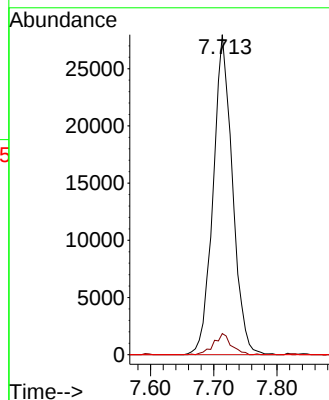
Tgt Ion:117 Resp: 59300

Ion Ratio Lower Upper

117 100

119 6.6 77.0 115.6#

121 0.0 23.9 35.9#



#49

1,4-Dioxane

Concen: 1.150 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY023881.D

Acq: 04 Dec 2025 09:52

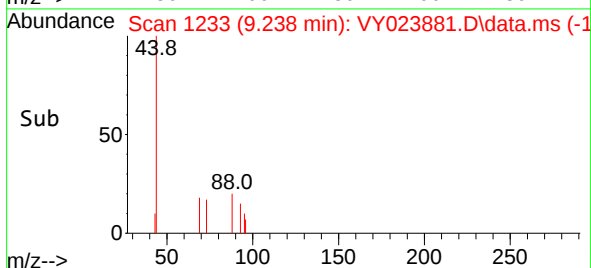
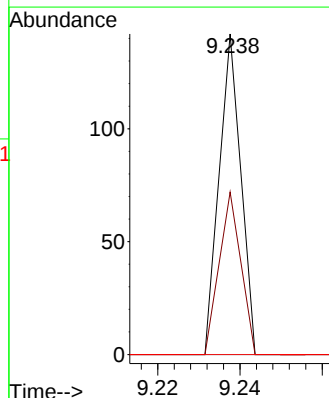
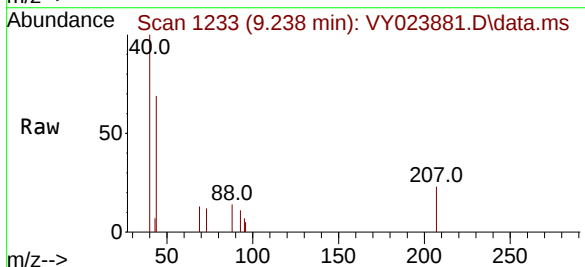
Tgt Ion: 88 Resp: 52

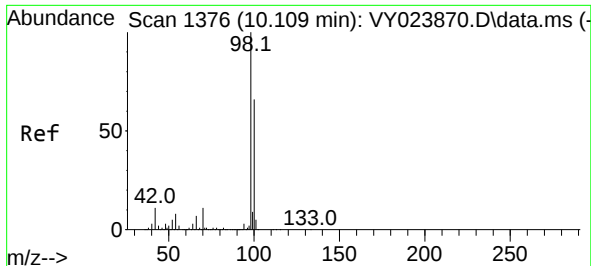
Ion Ratio Lower Upper

88 100

43 50.0 26.8 40.2#

58 0.0 52.4 78.6#

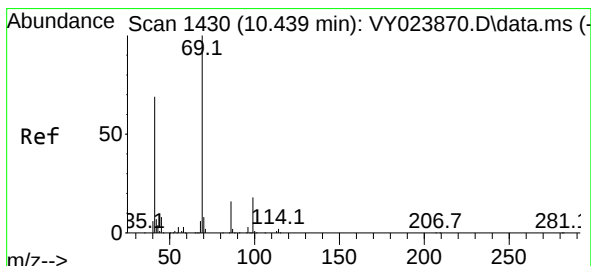
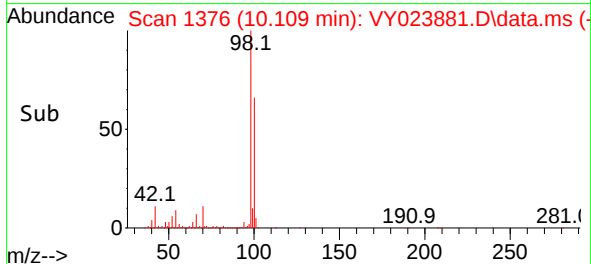
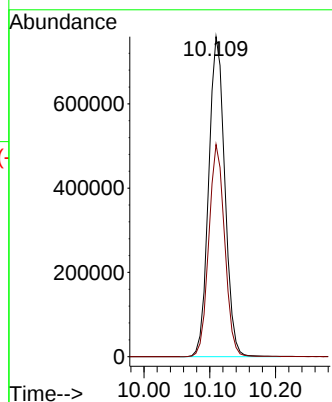
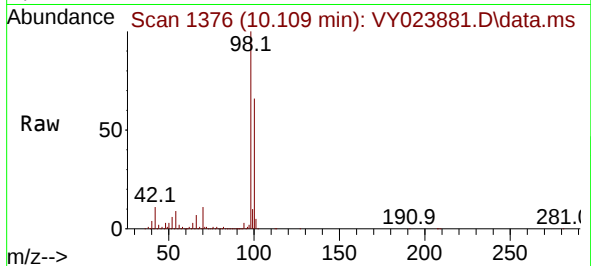




#50
Toluene-d8
Concen: 46.800 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

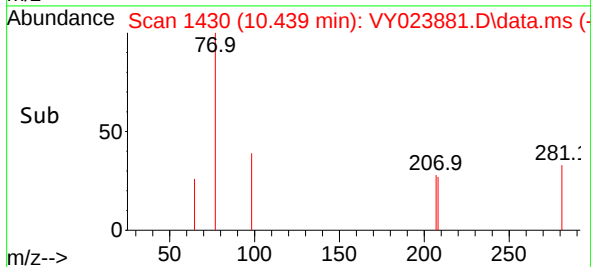
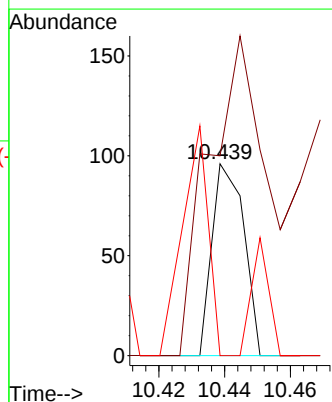
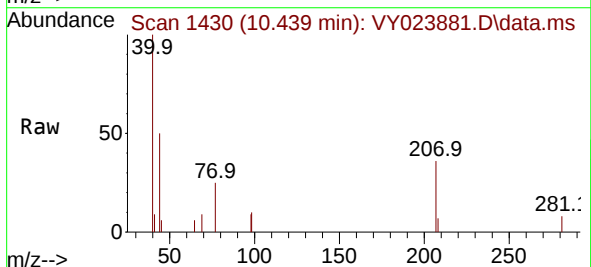
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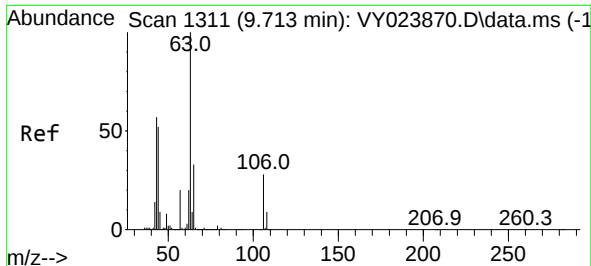
Tgt Ion: 98 Resp: 1296389
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#56
Ethyl methacrylate
Concen: 4.158 ug/l
RT: 10.439 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

Tgt Ion: 69 Resp: 64
Ion Ratio Lower Upper
69 100
41 301.6 52.5 78.7#
39 34.4 27.1 40.7

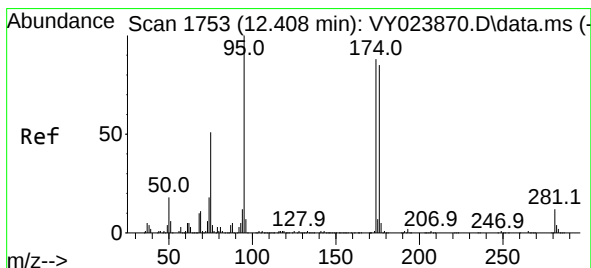
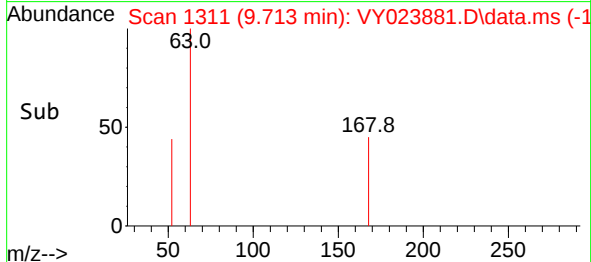
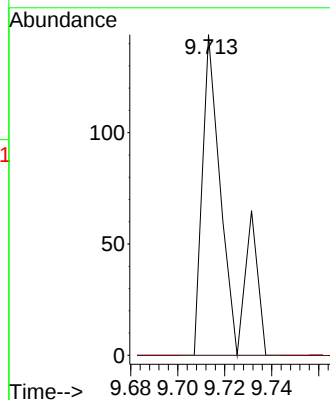
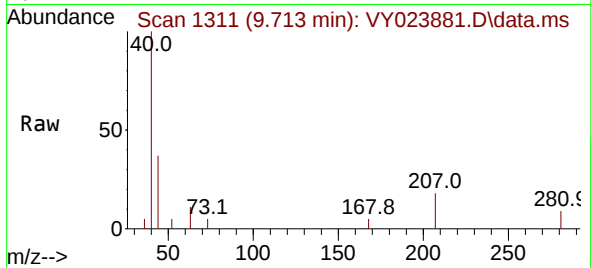




#58
2-Chloroethyl Vinyl ether
Concen: 14.744 ug/l
RT: 9.713 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

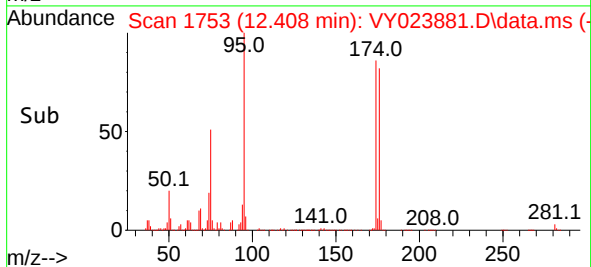
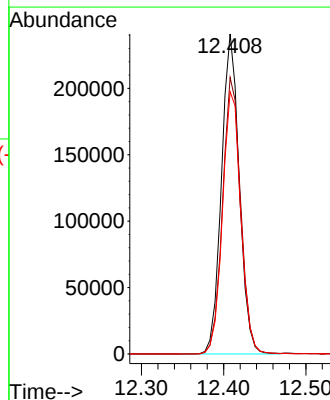
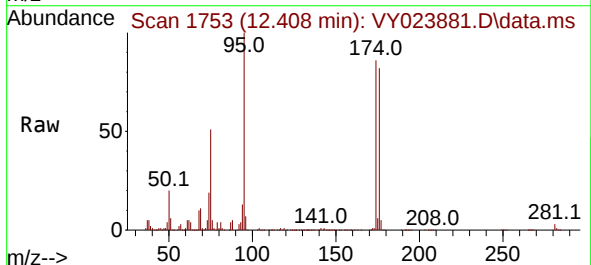
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-1-VOC

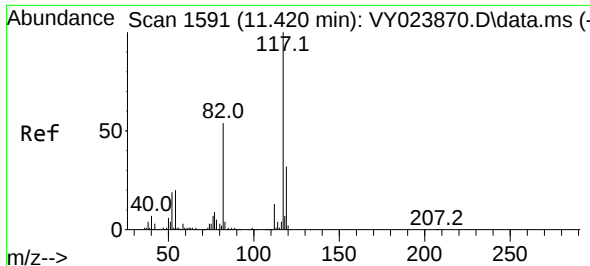
Tgt Ion: 63 Resp: 98
Ion Ratio Lower Upper
63 100
106 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 38.279 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

Tgt Ion: 95 Resp: 361667
Ion Ratio Lower Upper
95 100
174 88.1 0.0 169.6
176 84.2 0.0 164.4

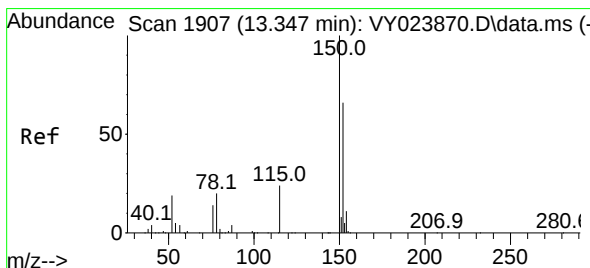
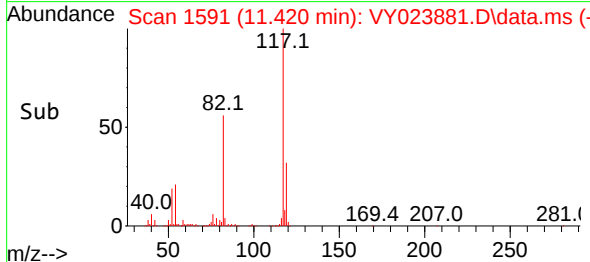
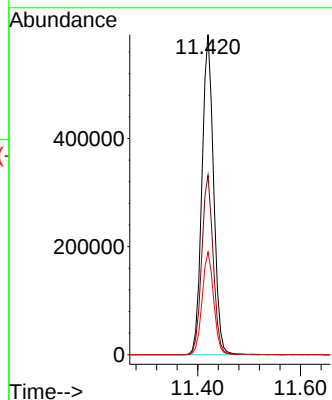
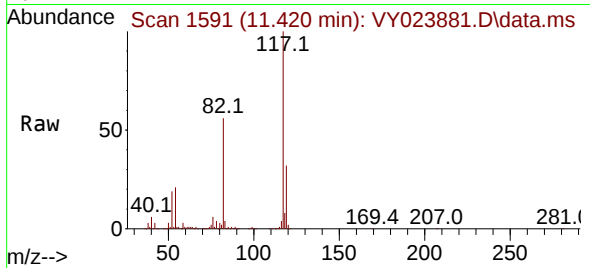




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

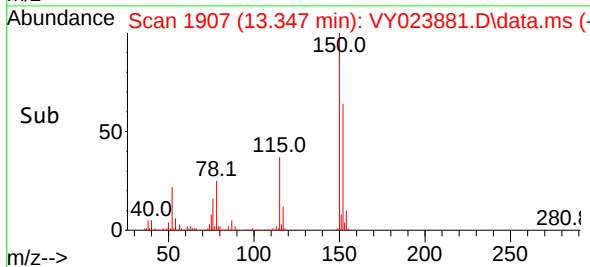
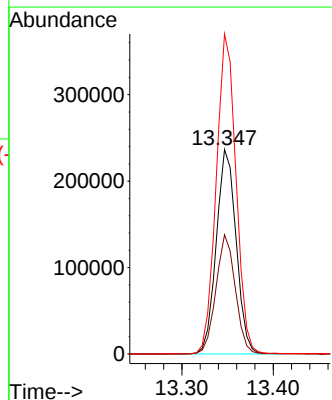
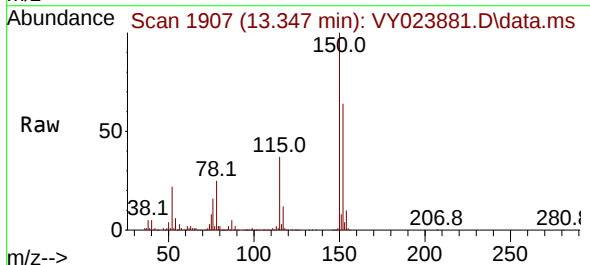
Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-1-VOC

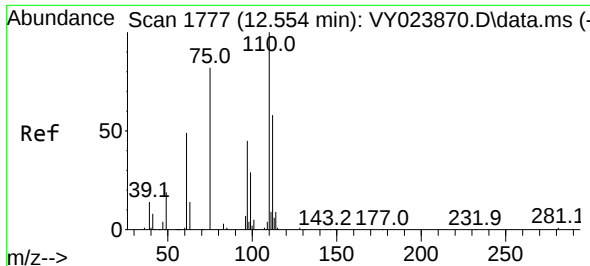
Tgt Ion:117 Resp: 928578
Ion Ratio Lower Upper
117 100
82 56.0 43.1 64.7
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

Tgt Ion:152 Resp: 357677
Ion Ratio Lower Upper
152 100
115 57.0 28.8 86.4
150 155.9 0.0 352.2

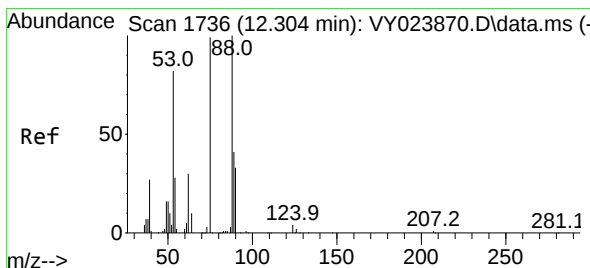
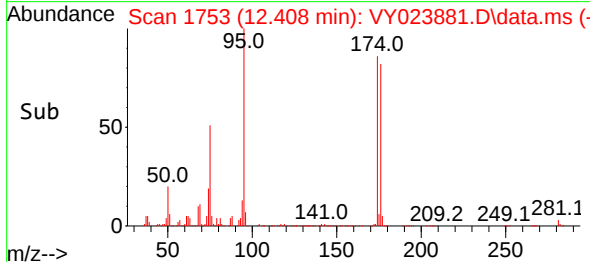
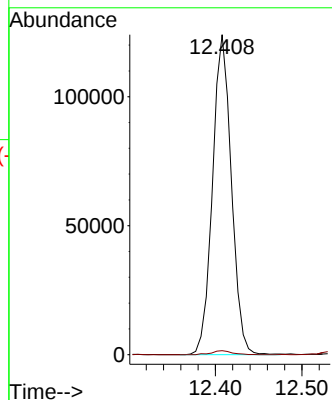
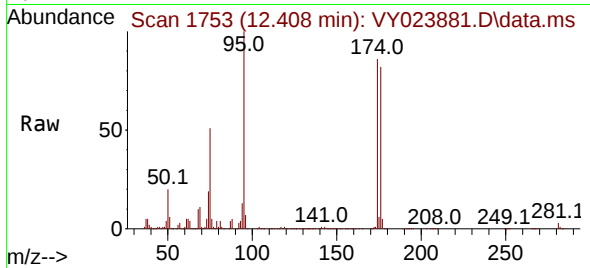




#76
1,2,3-Trichloropropane
Concen: 52.849 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

Instrument :
MSVOA_Y
ClientSampleId :
FENCE WC-1-VOC

Tgt Ion: 75 Resp: 187399
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.579 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023881.D
Acq: 04 Dec 2025 09:52

Tgt Ion: 75 Resp: 187399
Ion Ratio Lower Upper
75 100
53 0.2 71.1 106.7#
89 0.1 36.3 54.5#

