

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023883.D
 Acq On : 04 Dec 2025 10:39
 Operator : SY/MD
 Sample : Q3767-01
 Misc : 6.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 346

Quant Time: Dec 05 01:43:40 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)

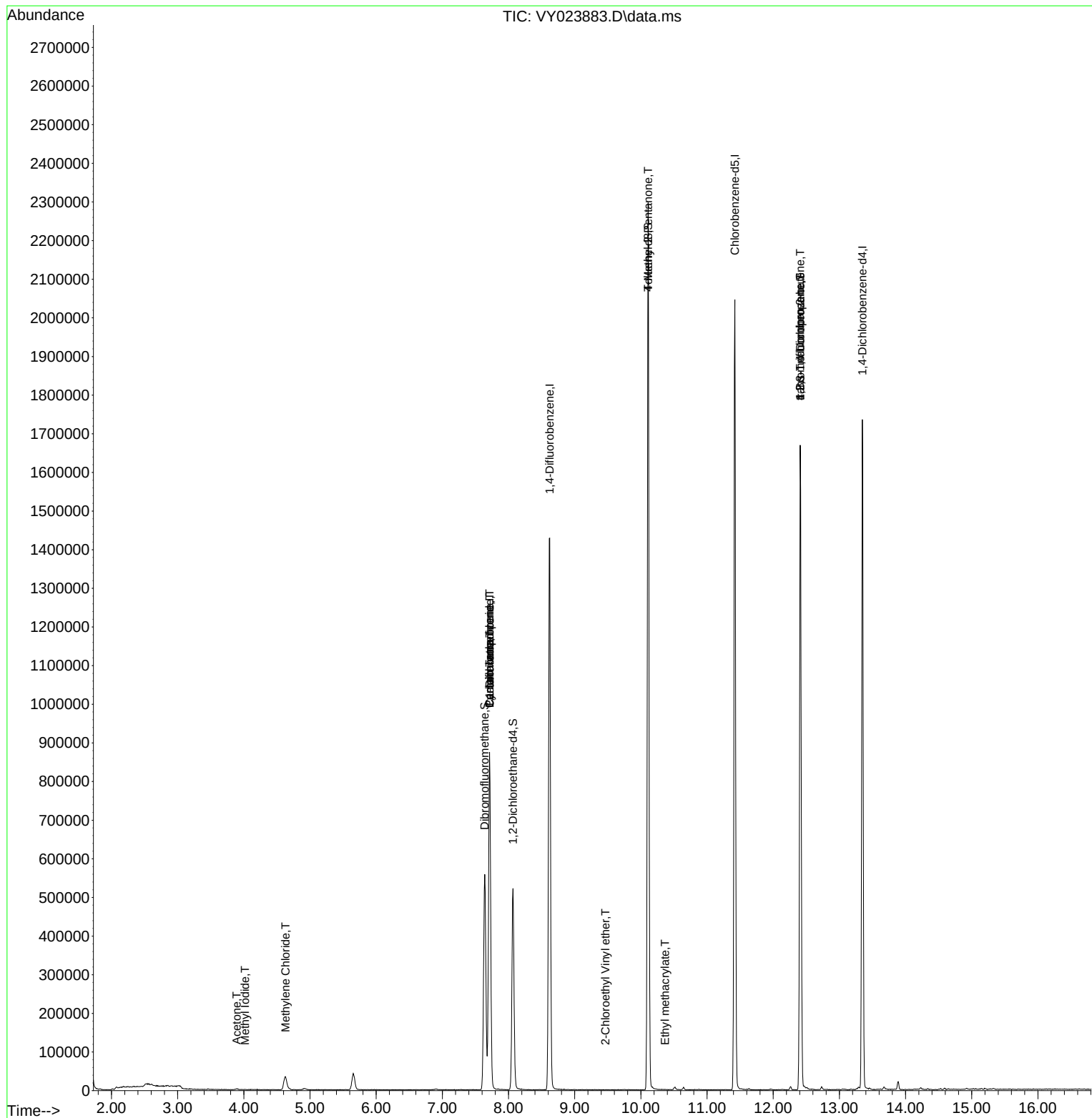
Internal Standards						
1) Pentafluorobenzene	7.713	168	684753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1255949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1078847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	444688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	408369	59.616	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.240%
35) Dibromofluoromethane	7.640	113	400755	49.750	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.500%
50) Toluene-d8	10.109	98	1488852	47.497	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.000%
62) 4-Bromofluorobenzene	12.408	95	440440	41.195	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.380%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.019	142	1009	2.563	ug/l #	62
11) Tert butyl alcohol	4.860	59	22	Below Cal	#	74
16) Acetone	3.891	43	3037	1.480	ug/l	98
20) Methylene Chloride	4.629	84	25318	1.617	ug/l	96
31) Cyclohexane	7.713	56	13841	1.079	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	52852	4.450	ug/l #	50
38) Carbon Tetrachloride	7.713	117	67204	5.126	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	6733	1.248	ug/l #	1
56) Ethyl methacrylate	10.365	69	21	4.153	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.463	63	67	14.733	ug/l #	47
76) 1,2,3-Trichloropropane	12.408	75	231031	52.406	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	231031	125.517	ug/l #	14

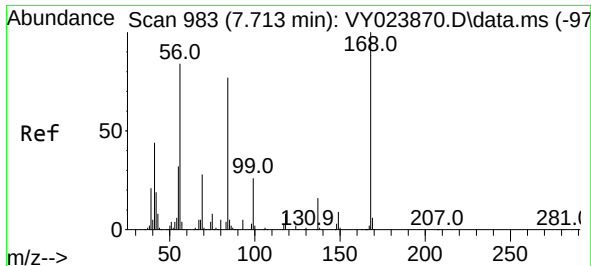
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023883.D
Acq On : 04 Dec 2025 10:39
Operator : SY/MD
Sample : Q3767-01
Misc : 6.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
346

Quant Time: Dec 05 01:43:40 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

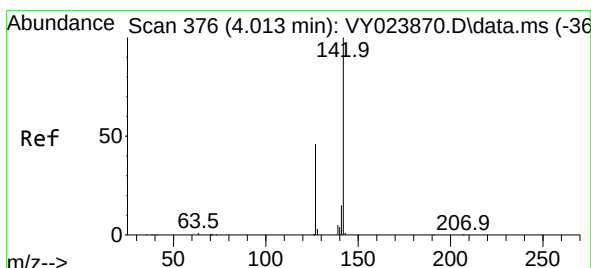
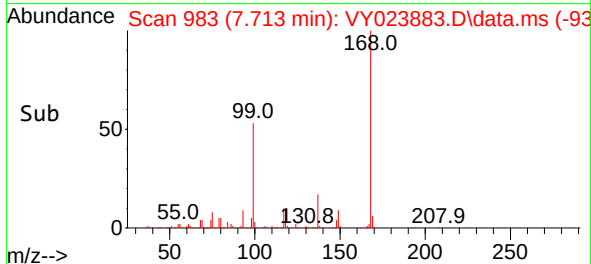
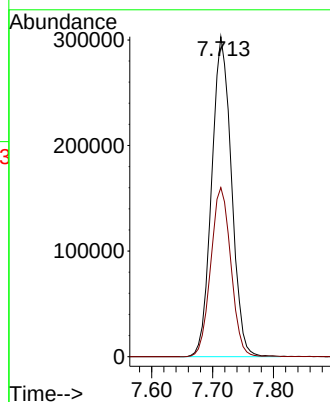
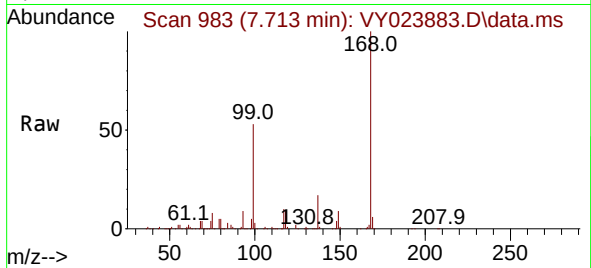




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

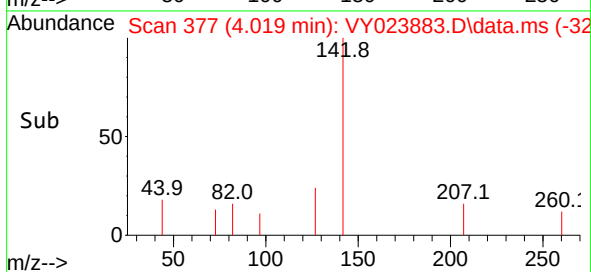
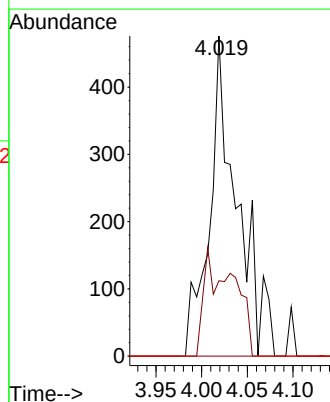
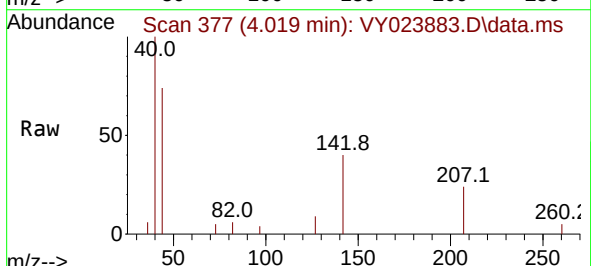
Instrument :
MSVOA_Y
ClientSampleId :
346

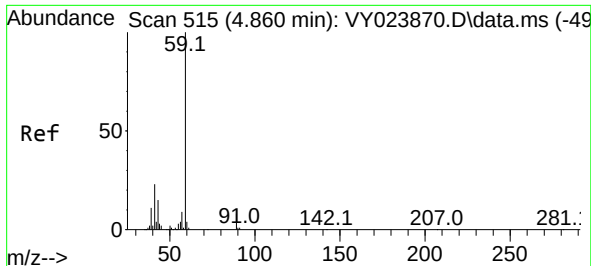
Tgt Ion:168 Resp: 684753
Ion Ratio Lower Upper
168 100
99 52.9 42.5 63.7



#10
Methyl Iodide
Concen: 2.563 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

Tgt Ion:142 Resp: 1009
Ion Ratio Lower Upper
142 100
127 20.1 36.1 54.1#
141 0.0 11.8 17.8#

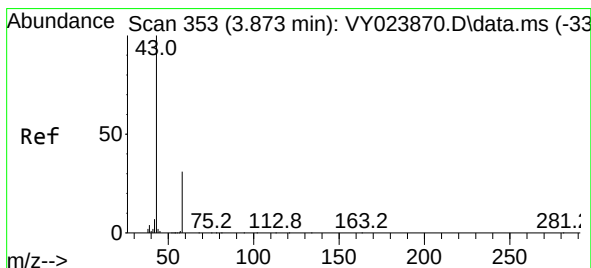
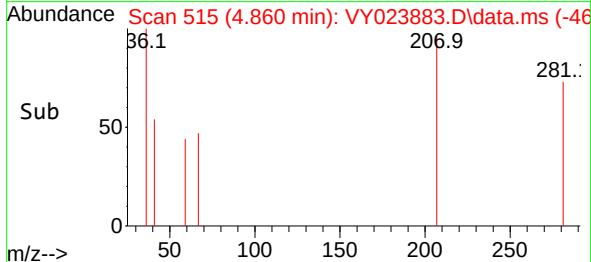
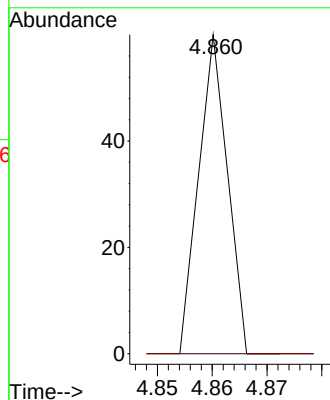
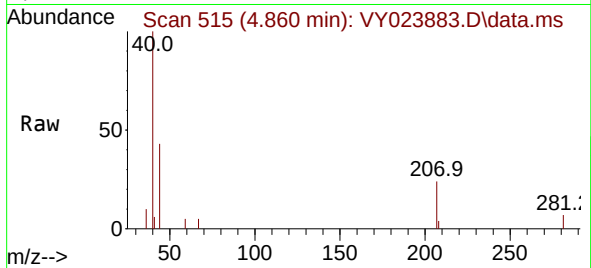




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

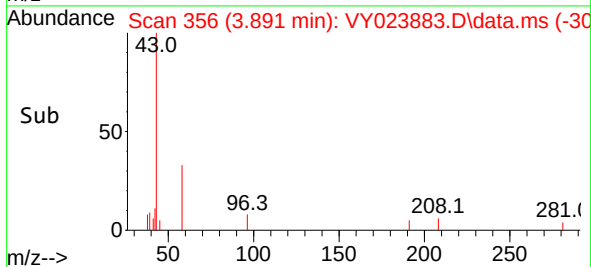
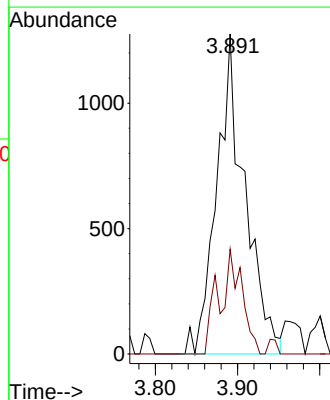
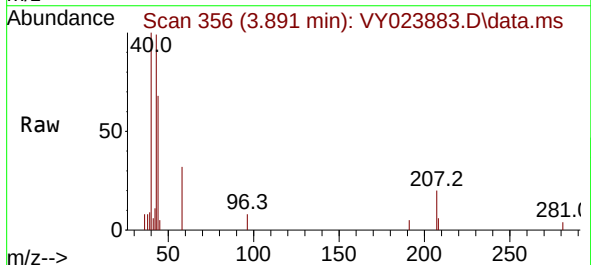
Instrument :
MSVOA_Y
ClientSampleId :
346

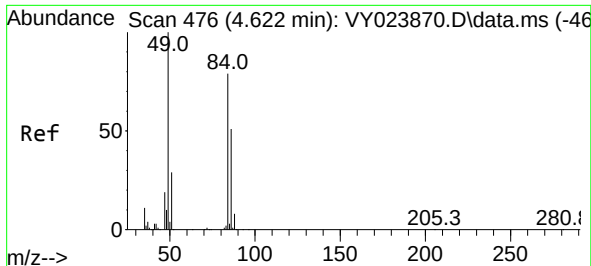
Tgt Ion: 59 Resp: 22
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 1.480 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

Tgt Ion: 43 Resp: 3037
Ion Ratio Lower Upper
43 100
58 32.8 25.1 37.7

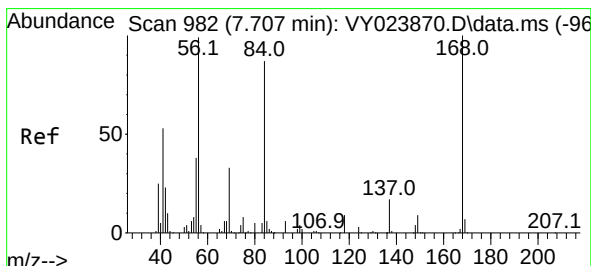
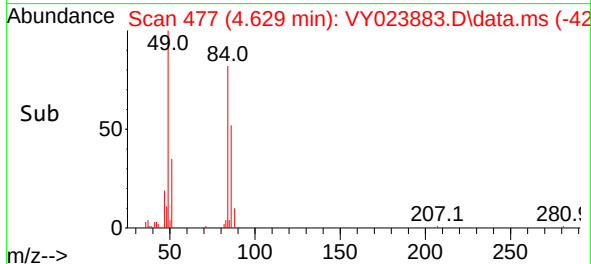
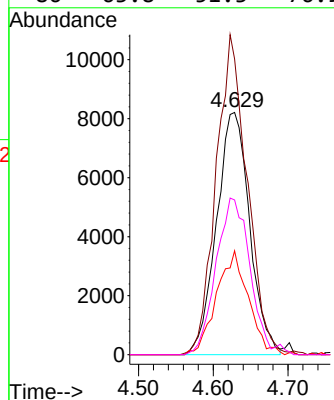
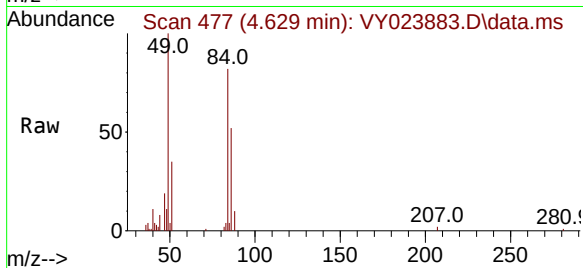




#20
Methylene Chloride
Concen: 1.617 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

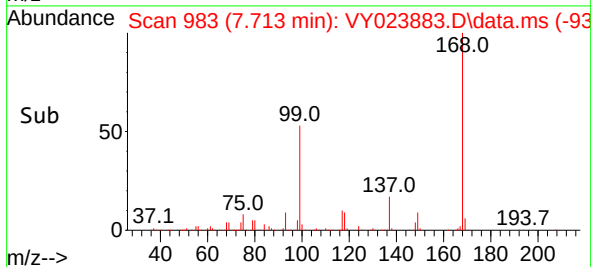
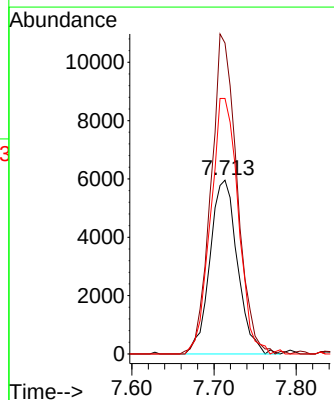
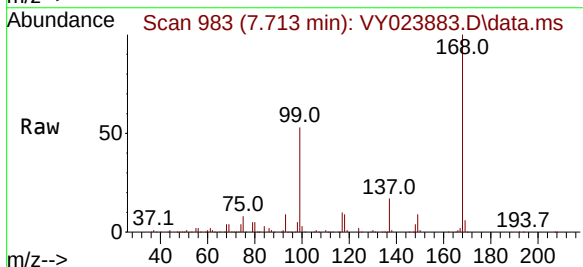
Instrument :
MSVOA_Y
ClientSampleId :
346

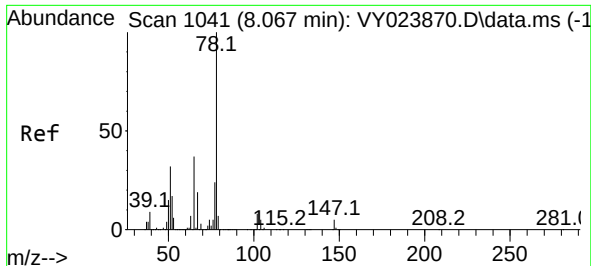
Tgt Ion:	84	Resp:	25318
Ion	Ratio	Lower	Upper
84	100		
49	122.0	100.6	151.0
51	42.8	29.0	43.6
86	63.8	51.3	76.9



#31
Cyclohexane
Concen: 1.079 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

Tgt Ion:	56	Resp:	13841
Ion	Ratio	Lower	Upper
56	100		
69	178.9	26.8	40.2#
84	147.1	70.4	105.6#





#33

1,2-Dichloroethane-d4

Concen: 59.616 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY023883.D

Acq: 04 Dec 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

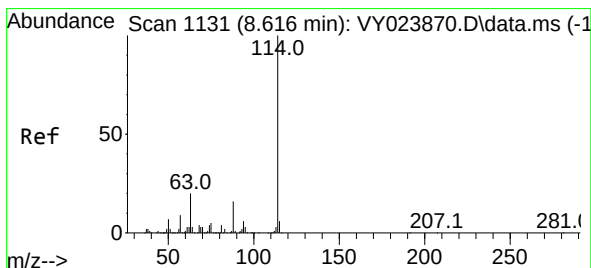
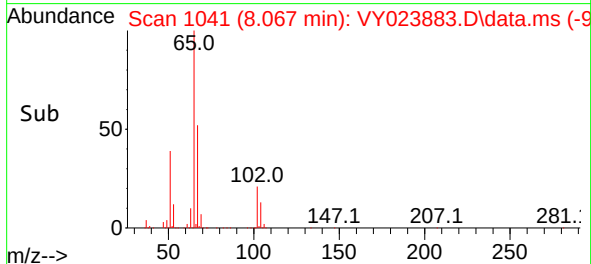
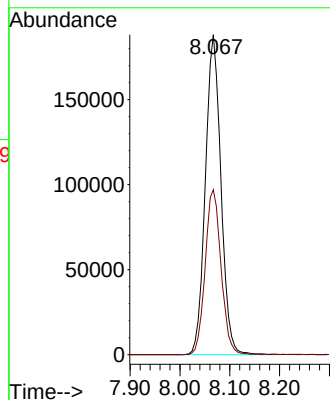
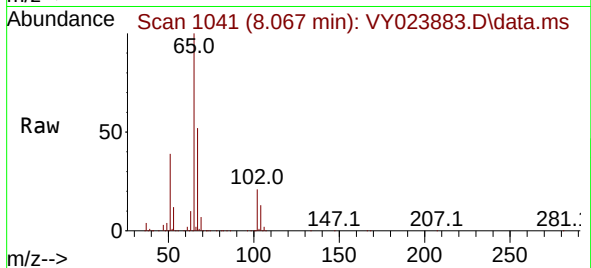
346

Tgt Ion: 65 Resp: 408369

Ion Ratio Lower Upper

65 100

67 52.5 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: VY023883.D

Acq: 04 Dec 2025 10:39

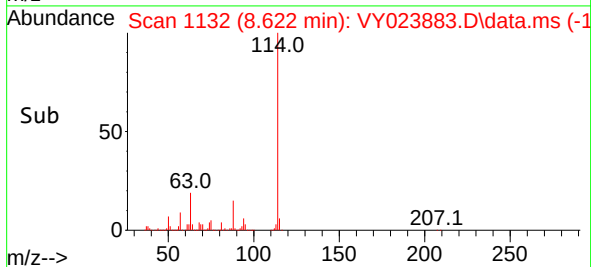
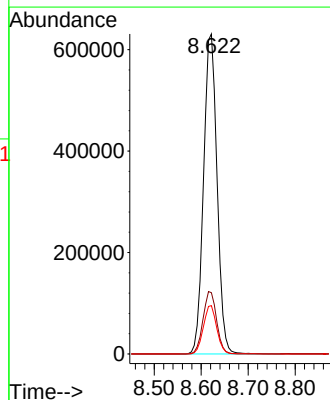
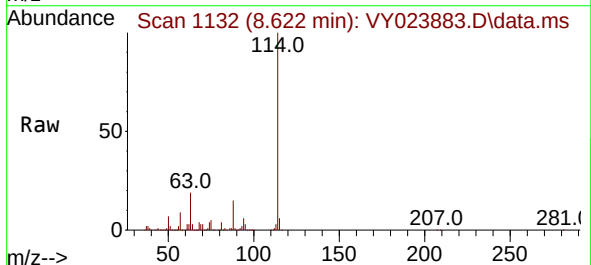
Tgt Ion:114 Resp: 1255949

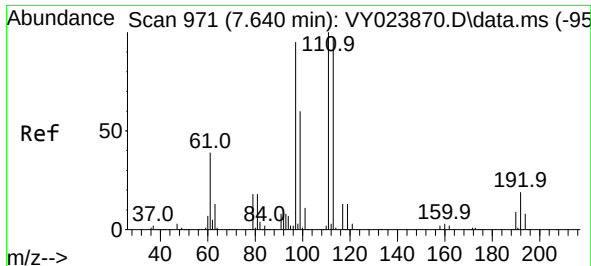
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.2

88 15.1 0.0 31.4

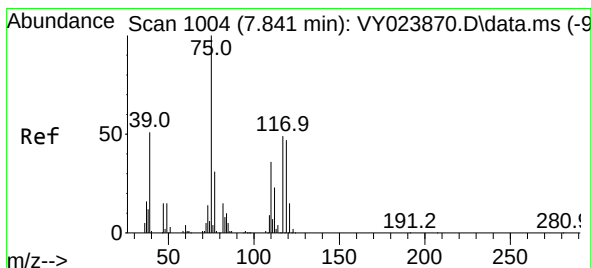
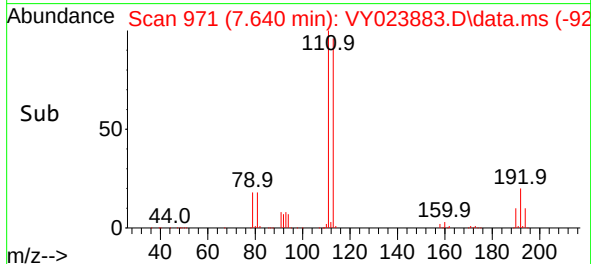
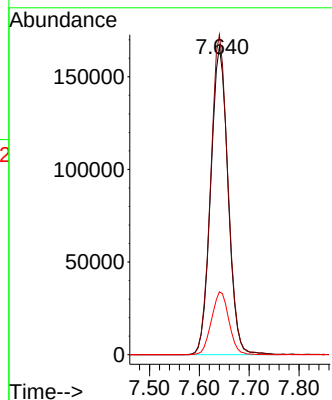
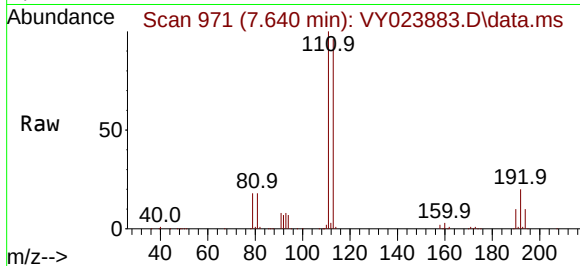




#35
Dibromofluoromethane
Concen: 49.750 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

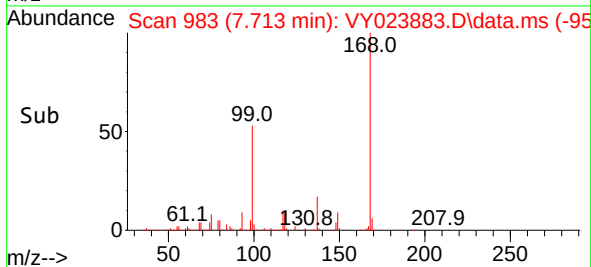
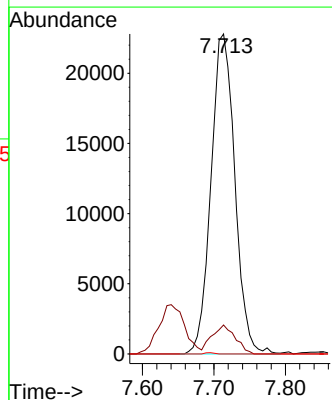
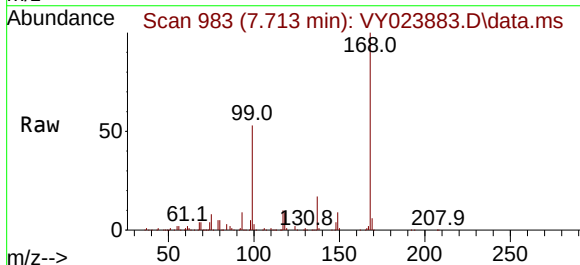
Instrument :
MSVOA_Y
ClientSampleId :
346

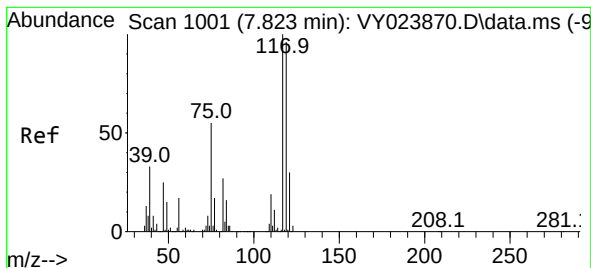
Tgt Ion:113 Resp: 400755
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 20.5 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.450 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

Tgt Ion: 75 Resp: 52852
Ion Ratio Lower Upper
75 100
110 8.8 17.6 52.9#
77 0.1 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.126 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY023883.D

Acq: 04 Dec 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

346

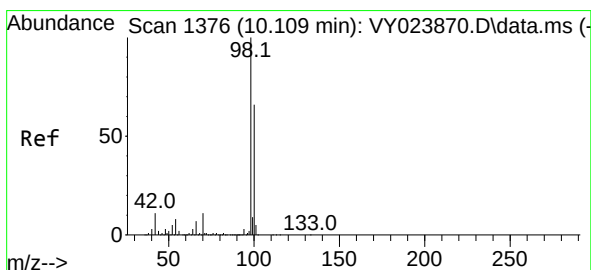
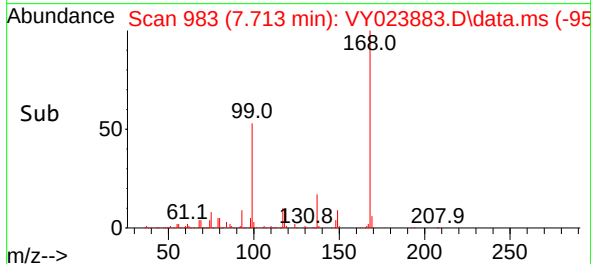
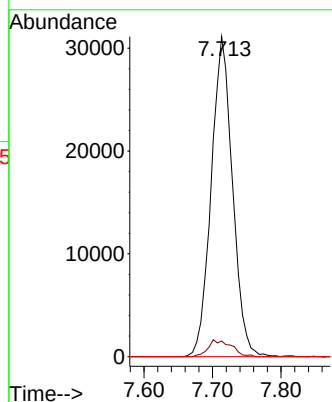
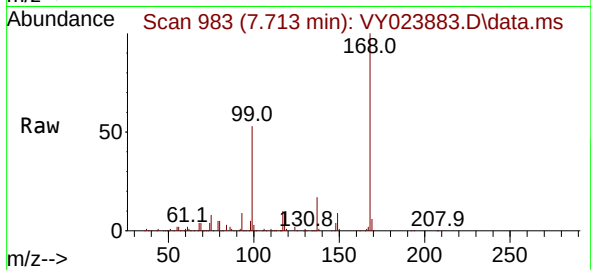
Tgt Ion:117 Resp: 67204

Ion Ratio Lower Upper

117 100

119 4.9 77.0 115.6#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 47.497 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY023883.D

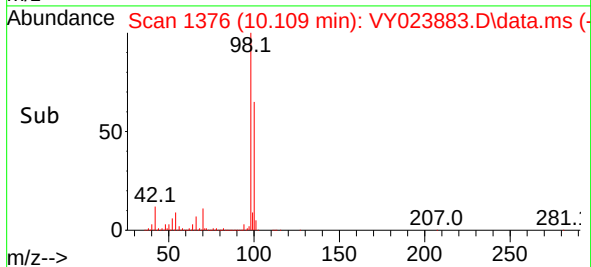
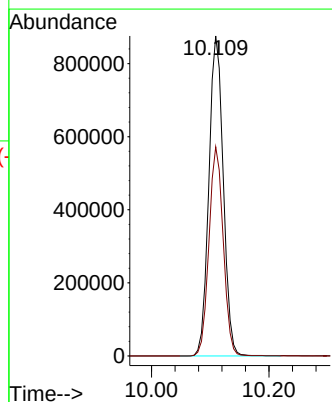
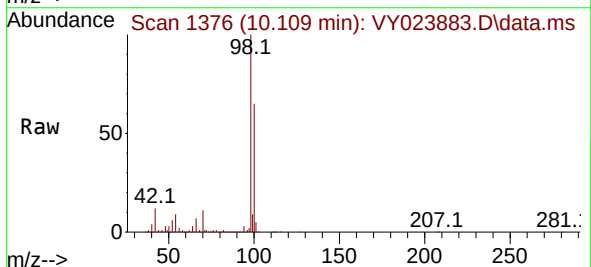
Acq: 04 Dec 2025 10:39

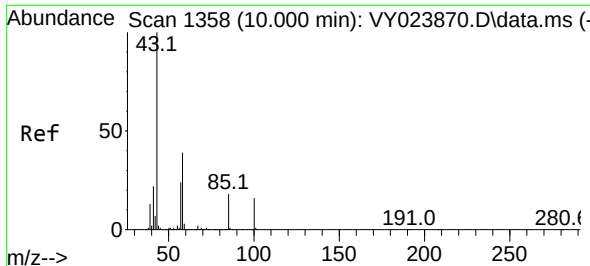
Tgt Ion: 98 Resp: 1488852

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7

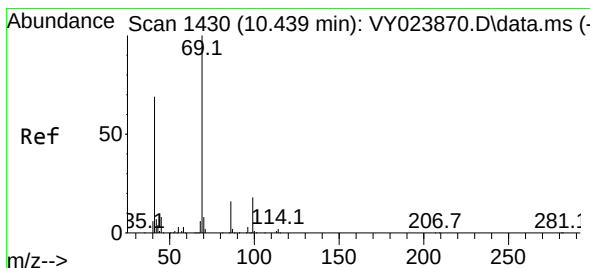
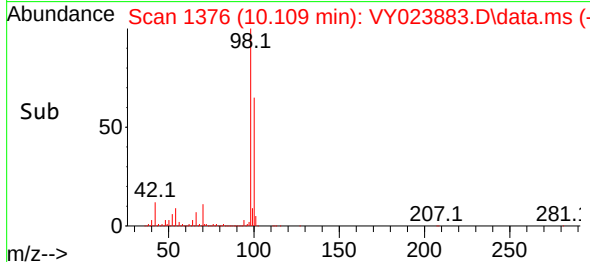
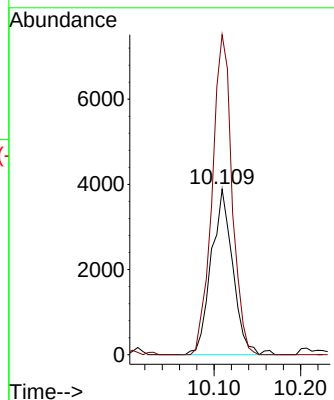
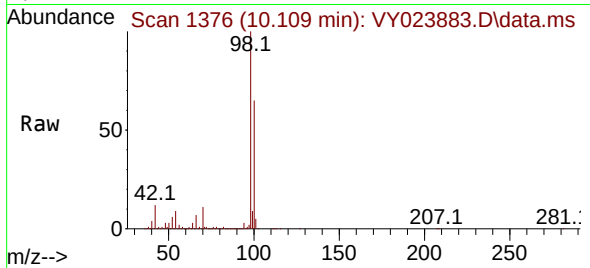




#51
 4-Methyl-2-Pentanone
 Concen: 1.248 ug/l
 RT: 10.109 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023883.D
 Acq: 04 Dec 2025 10:39

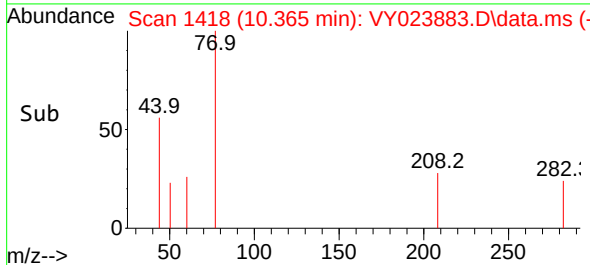
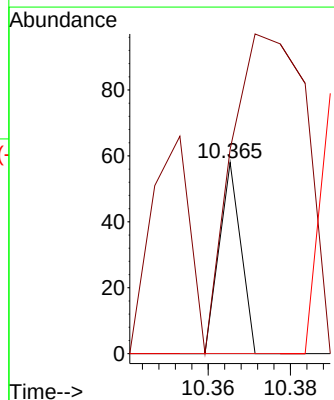
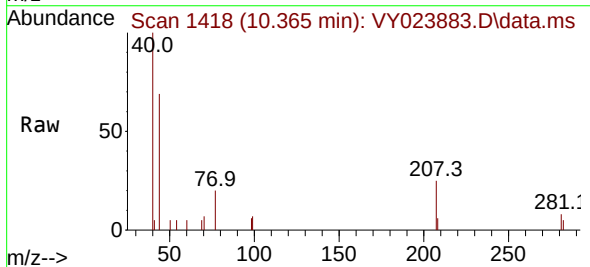
Instrument :
 MSVOA_Y
 ClientSampleId :
 346

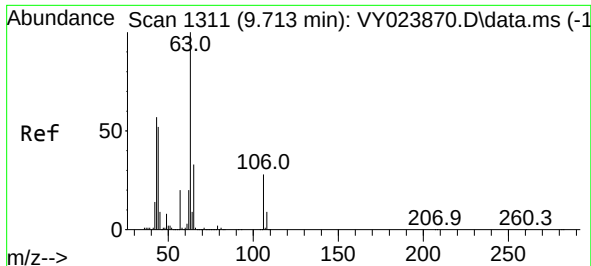
Tgt Ion: 43 Resp: 6733
 Ion Ratio Lower Upper
 43 100
 58 178.8 31.8 47.8#



#56
 Ethyl methacrylate
 Concen: 4.153 ug/l
 RT: 10.365 min Scan# 1418
 Delta R.T. -0.073 min
 Lab File: VY023883.D
 Acq: 04 Dec 2025 10:39

Tgt Ion: 69 Resp: 21
 Ion Ratio Lower Upper
 69 100
 41 585.7 52.5 78.7#
 39 0.0 27.1 40.7#

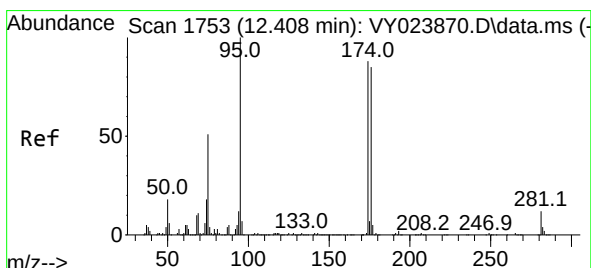
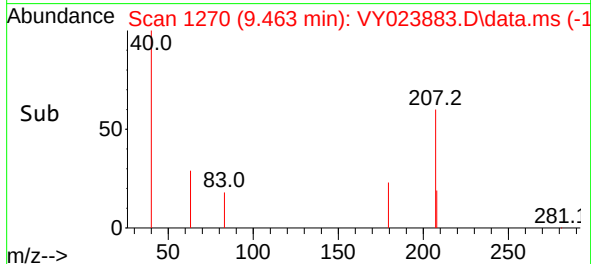
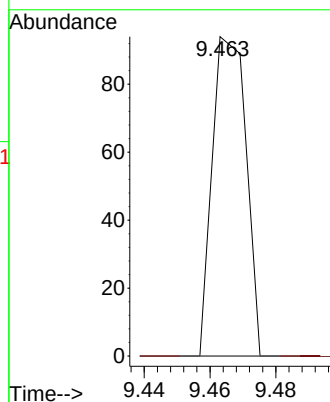
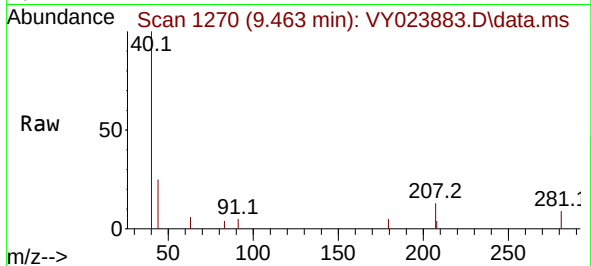




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.733 ug/l
 RT: 9.463 min Scan# 11
 Delta R.T. -0.250 min
 Lab File: VY023883.D
 Acq: 04 Dec 2025 10:39

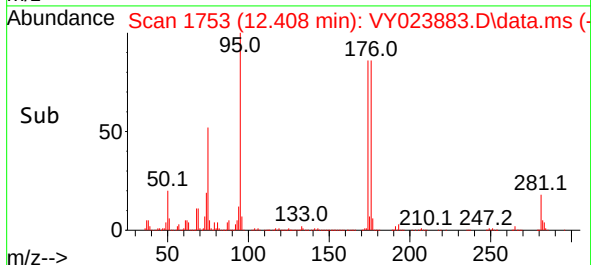
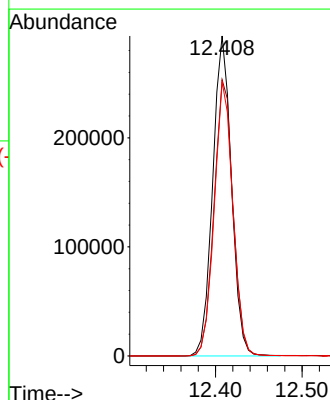
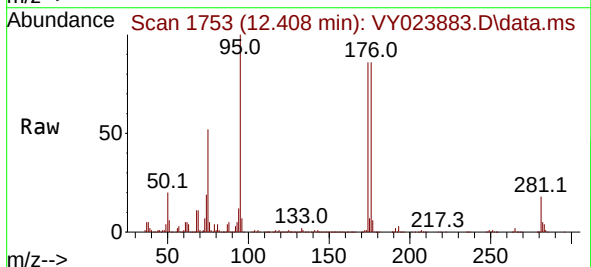
Instrument :
 MSVOA_Y
 ClientSampleId :
 346

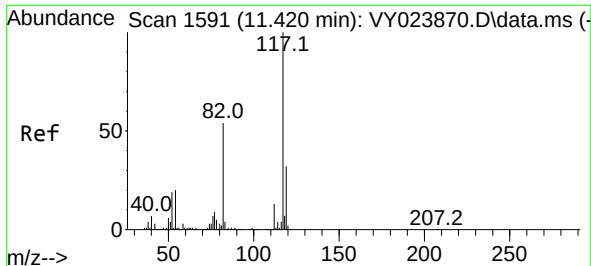
Tgt Ion: 63 Resp: 67
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.5 33.7#



#62
 4-Bromofluorobenzene
 Concen: 41.195 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.000 min
 Lab File: VY023883.D
 Acq: 04 Dec 2025 10:39

Tgt Ion: 95 Resp: 440440
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 169.6
 176 85.4 0.0 164.4

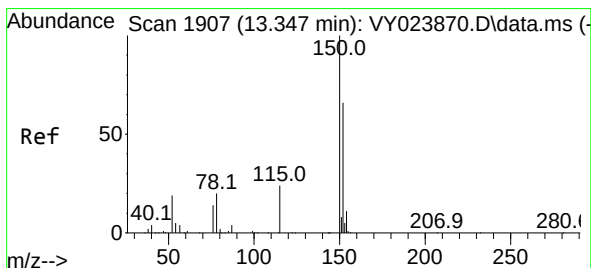
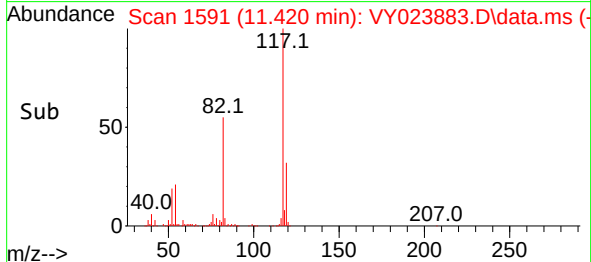
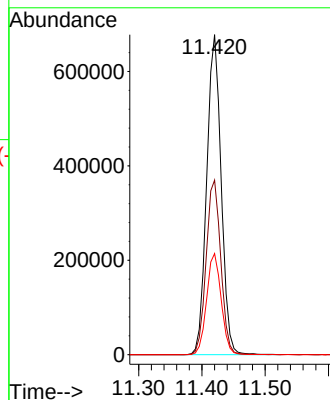
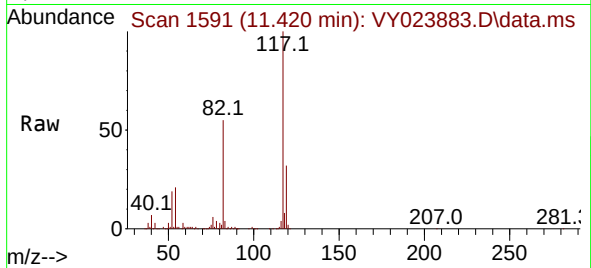




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

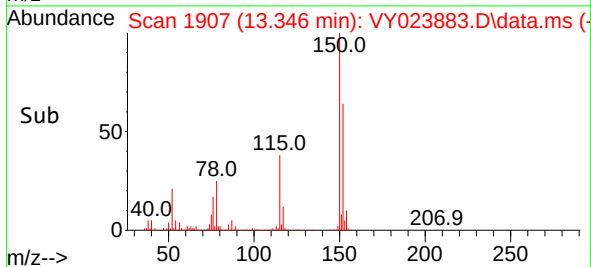
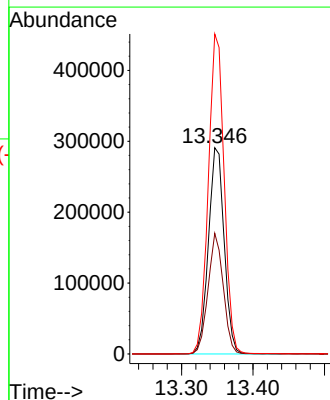
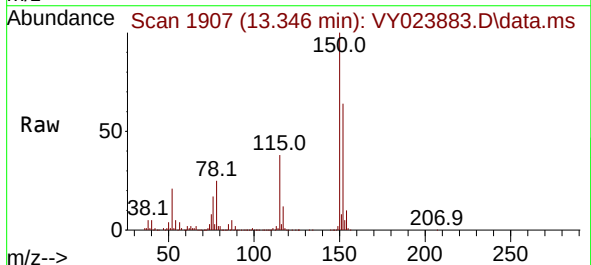
Instrument :
MSVOA_Y
ClientSampleId :
346

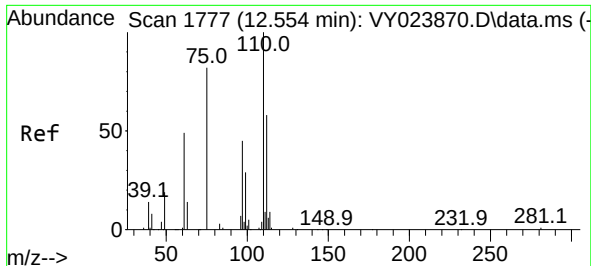
Tgt Ion:117 Resp: 1078847
Ion Ratio Lower Upper
117 100
82 54.6 43.1 64.7
119 31.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

Tgt Ion:152 Resp: 444688
Ion Ratio Lower Upper
152 100
115 56.7 28.8 86.4
150 155.9 0.0 352.2

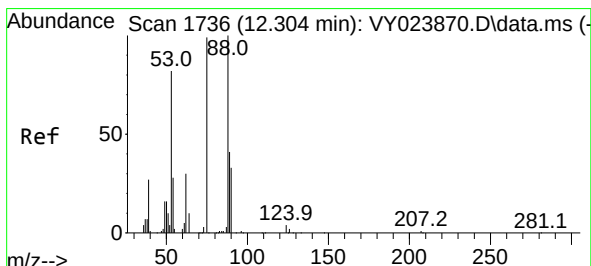
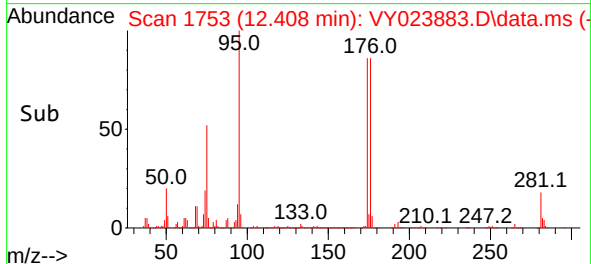
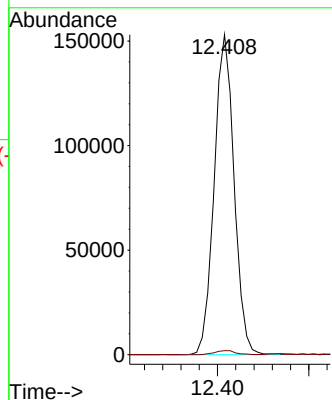
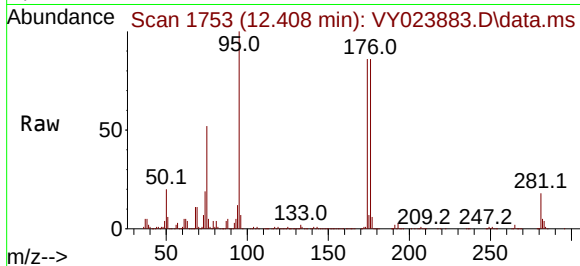




#76
1,2,3-Trichloropropane
Concen: 52.406 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
346

Tgt Ion: 75 Resp: 231031
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.517 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023883.D
Acq: 04 Dec 2025 10:39

Tgt Ion: 75 Resp: 231031
Ion Ratio Lower Upper
75 100
53 0.0 71.1 106.7#
89 0.2 36.3 54.5#

