

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023501.D
 Acq On : 20 Oct 2025 12:01
 Operator : SY/MD
 Sample : Q3367-01
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 21 03:57:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

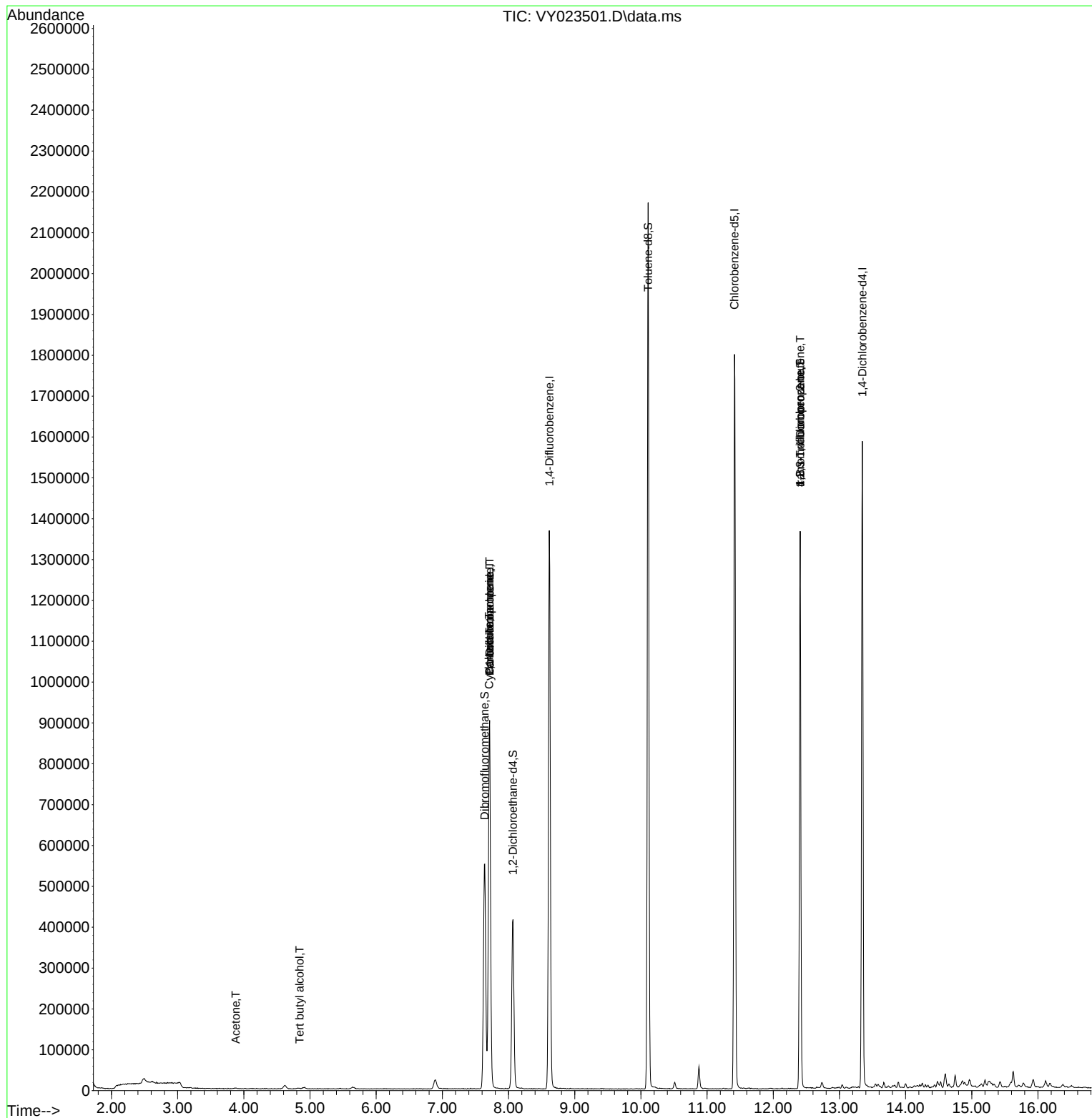
Internal Standards						
1) Pentafluorobenzene	7.713	168	753042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1250400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1053979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	438394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	328433	52.157	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.320%			
35) Dibromofluoromethane	7.640	113	395804	51.516	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.040%			
50) Toluene-d8	10.109	98	1403064	49.036	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.408	95	395172	41.833	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.660%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.842	59	1628	3.475	ug/l #	72
16) Acetone	3.879	43	2386	1.592	ug/l	96
31) Cyclohexane	7.707	56	12474	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	49776	4.894	ug/l #	47
38) Carbon Tetrachloride	7.713	117	69170	5.608	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	189427	48.975	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	189427	120.097	ug/l #	14

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

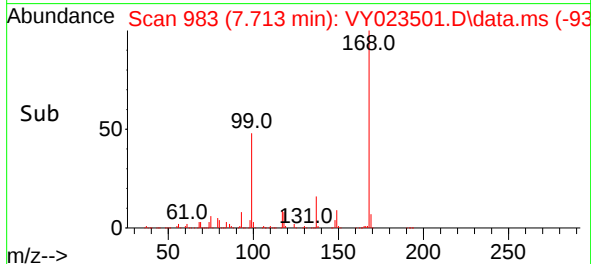
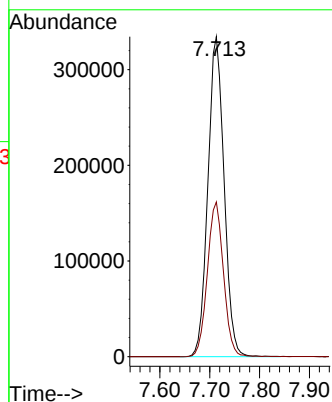
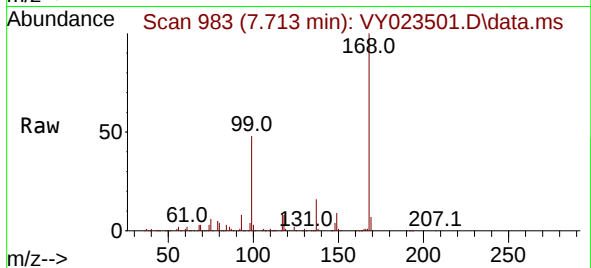




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

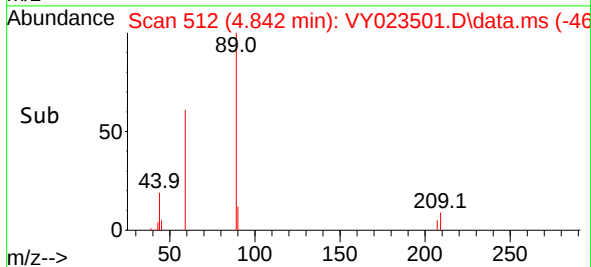
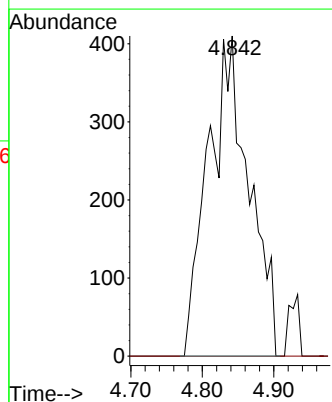
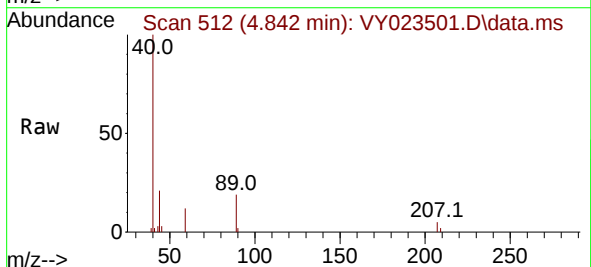
Instrument :
MSVOA_Y
ClientSampleId :

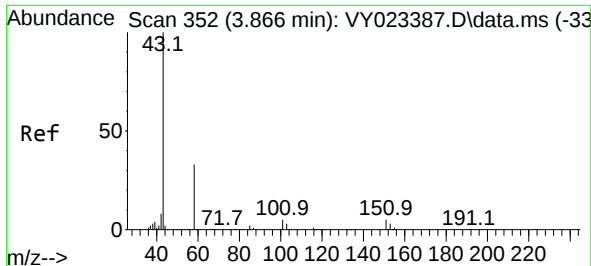
Tgt Ion:168 Resp: 753042
Ion Ratio Lower Upper
168 100
99 48.3 39.7 59.5



#11
Tert butyl alcohol
Concen: 3.475 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 59 Resp: 1628
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

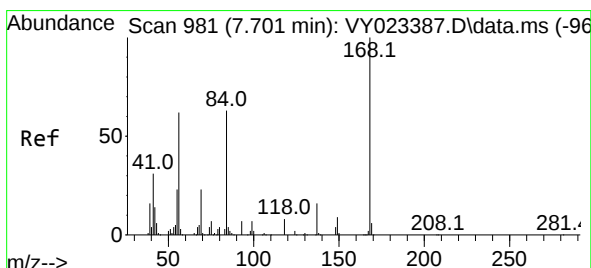
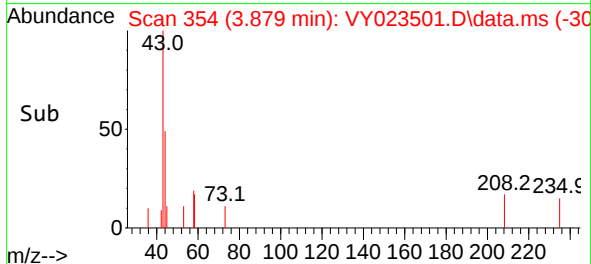
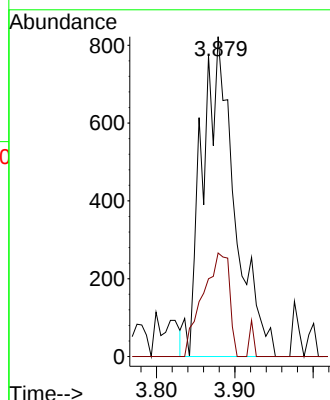
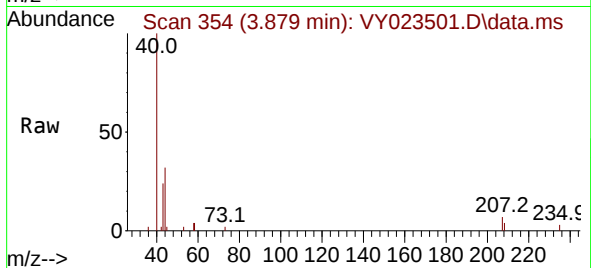




#16
Acetone
Concen: 1.592 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

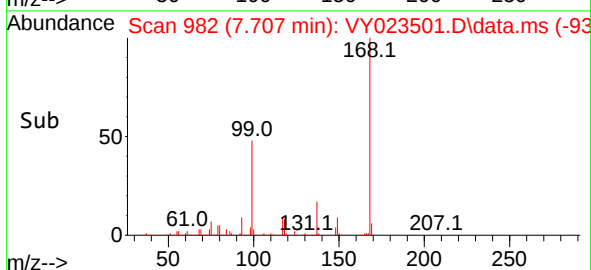
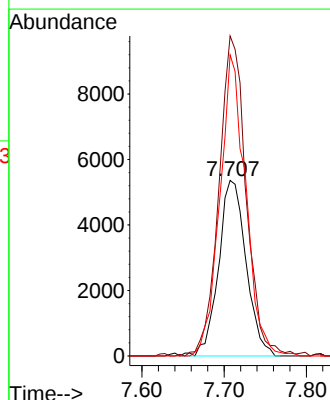
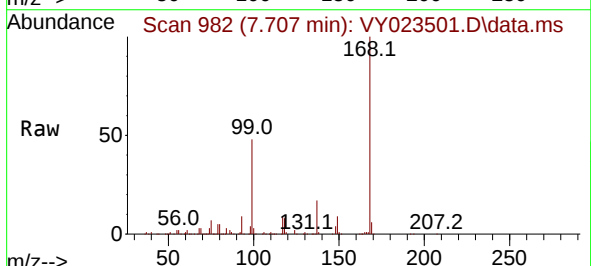
Instrument :
MSVOA_Y
ClientSampleId :

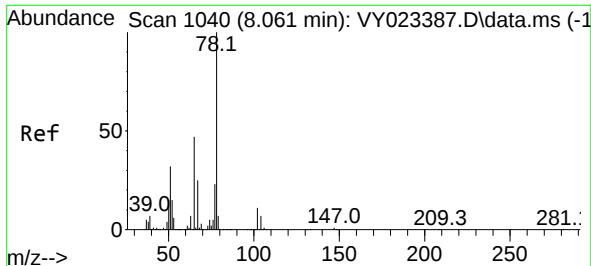
Tgt Ion: 43 Resp: 2386
Ion Ratio Lower Upper
43 100
58 32.4 27.7 41.5



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 56 Resp: 12474
Ion Ratio Lower Upper
56 100
69 181.4 30.0 45.0#
84 171.6 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 52.157 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023501.D

Acq: 20 Oct 2025 12:01

Instrument :

MSVOA_Y

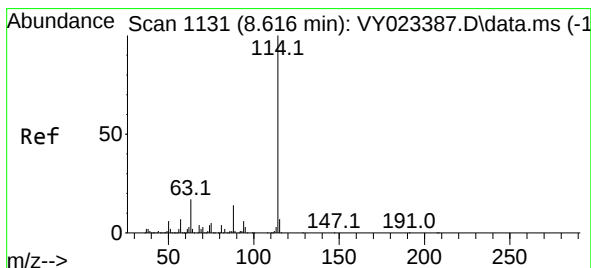
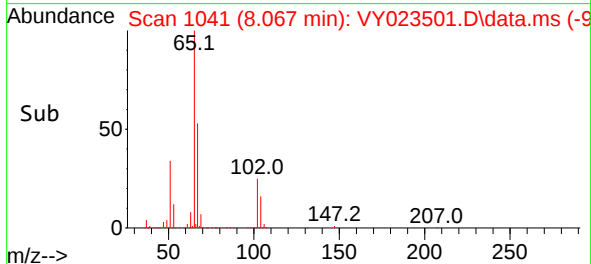
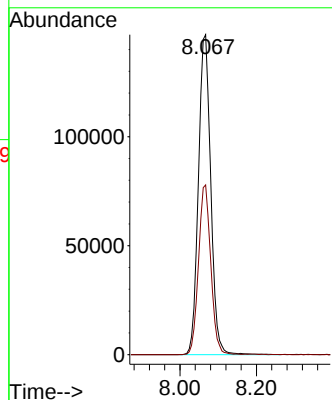
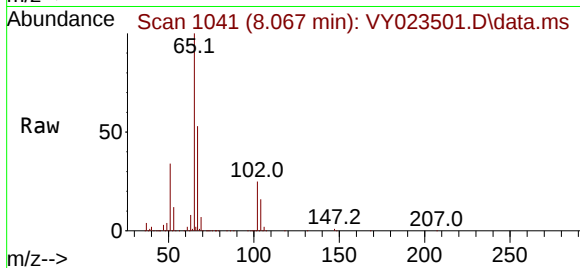
ClientSampleId :

Tgt Ion: 65 Resp: 328433

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023501.D

Acq: 20 Oct 2025 12:01

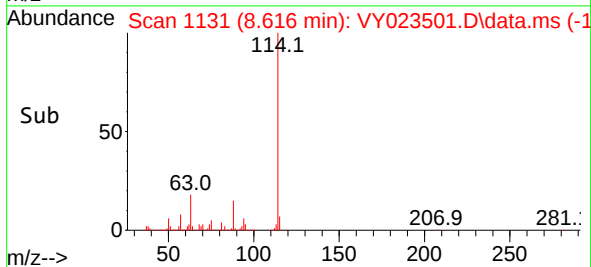
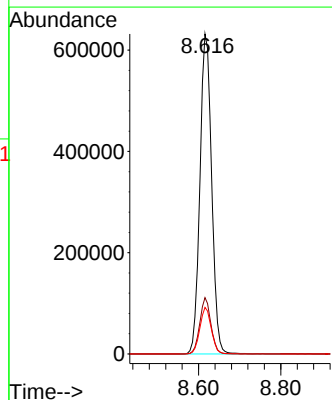
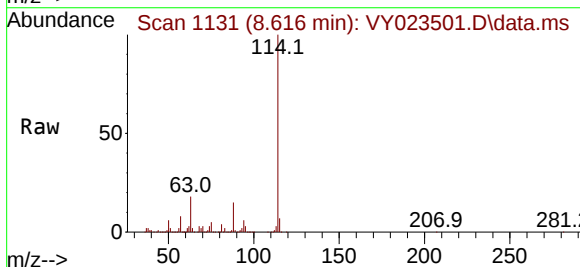
Tgt Ion:114 Resp: 1250400

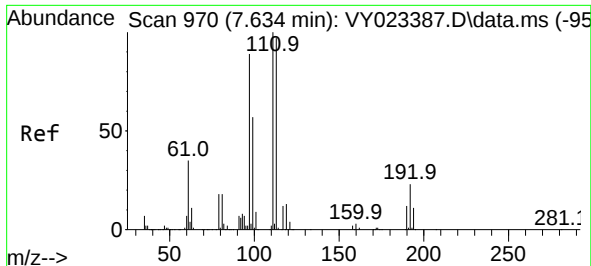
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.2

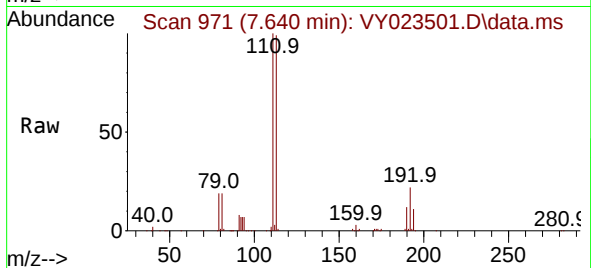
88 14.6 0.0 28.4



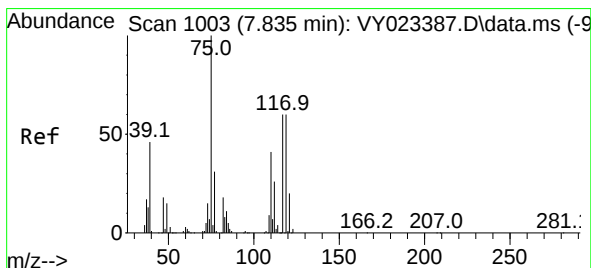
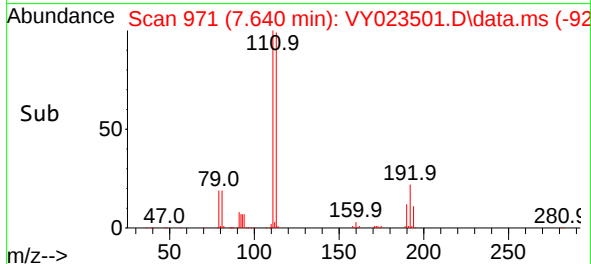
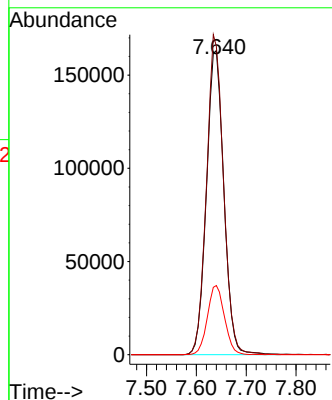


#35
Dibromofluoromethane
Concen: 51.516 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :

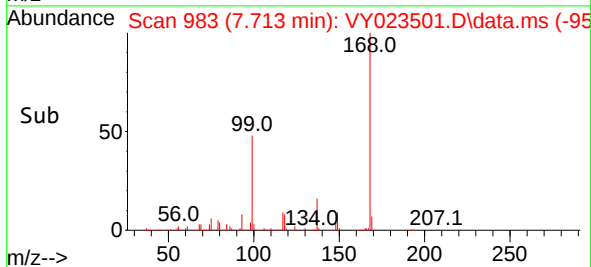
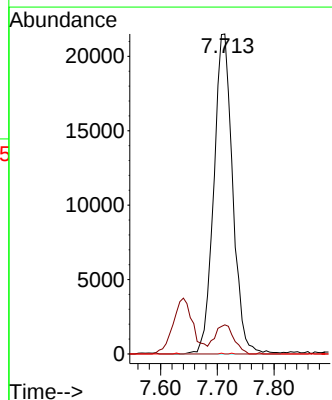
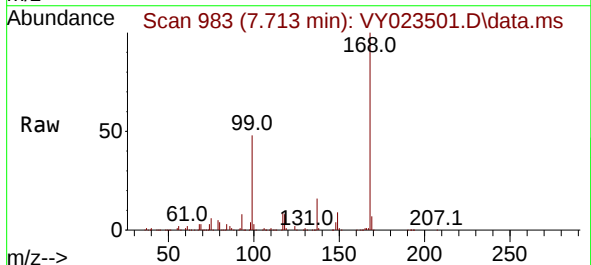


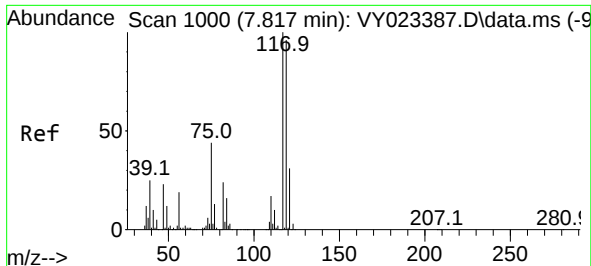
Tgt Ion:113 Resp: 395804
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 22.3 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.894 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

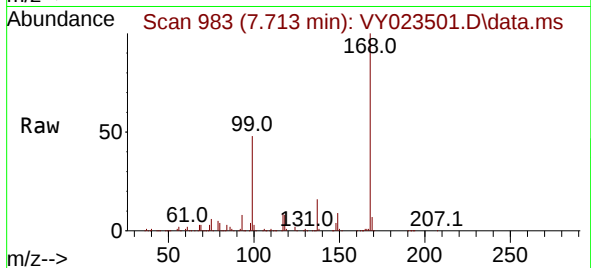
Tgt Ion: 75 Resp: 49776
Ion Ratio Lower Upper
75 100
110 9.2 19.9 59.7#
77 0.0 25.0 37.6#



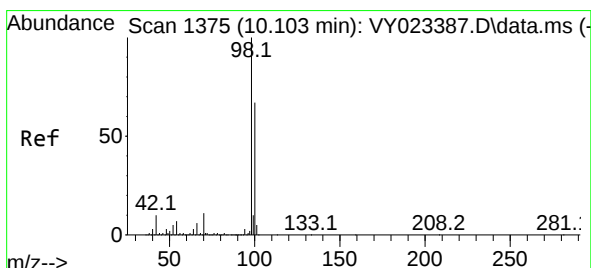
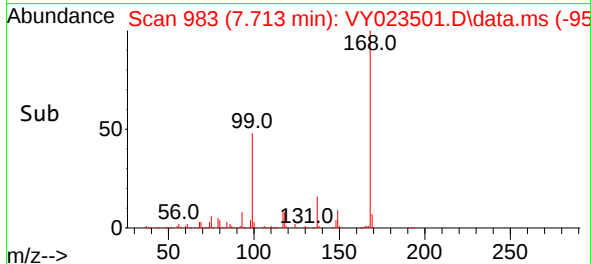
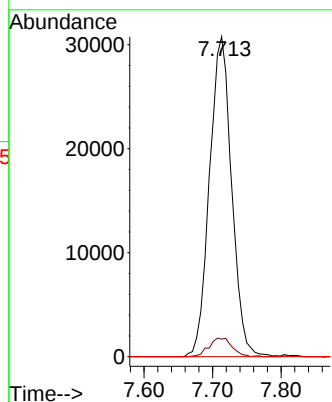


#38
Carbon Tetrachloride
Concen: 5.608 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

Instrument :
MSVOA_Y
ClientSampleId :

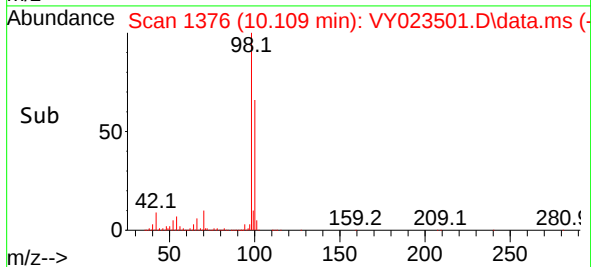
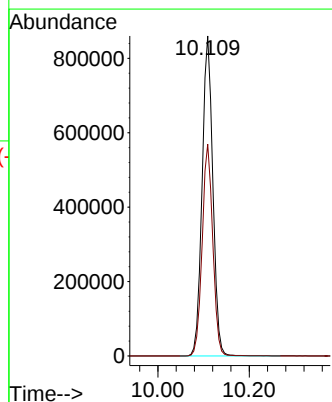
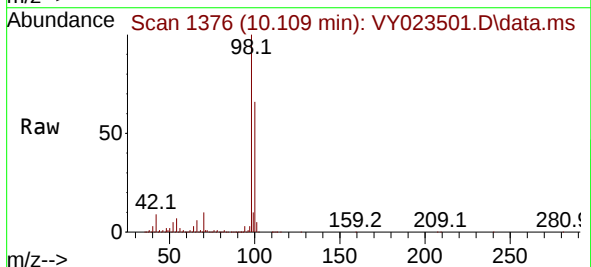


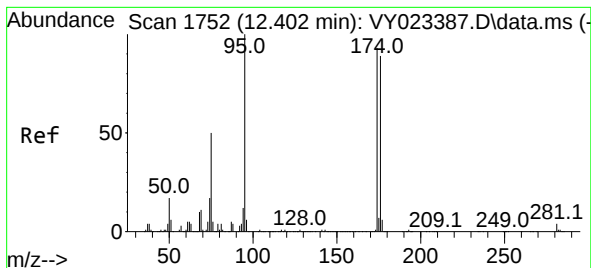
Tgt Ion:117 Resp: 69170
Ion Ratio Lower Upper
117 100
119 5.5 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.036 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 98 Resp: 1403064
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4

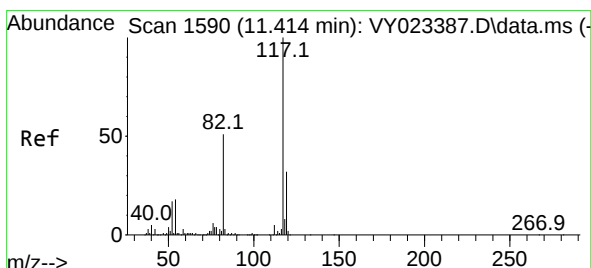
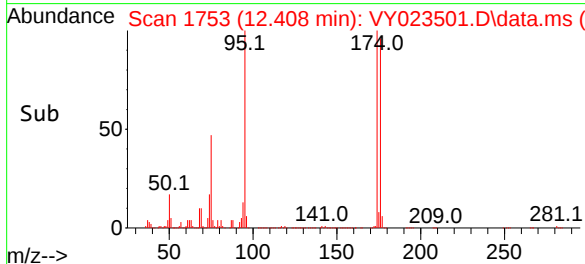
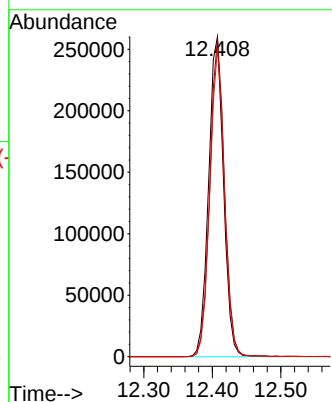
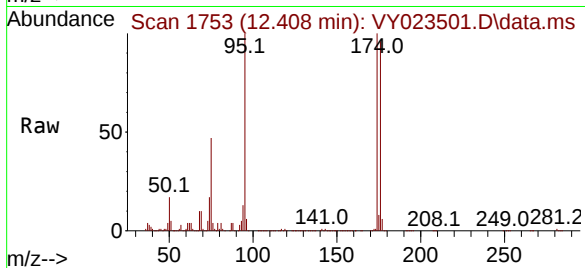




#62
4-Bromofluorobenzene
Concen: 41.833 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

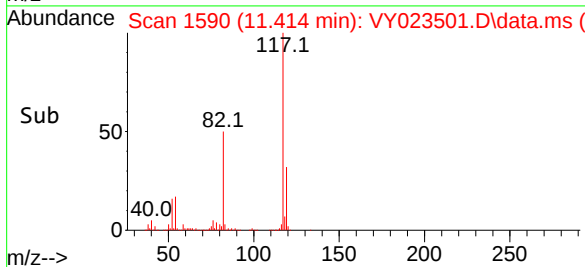
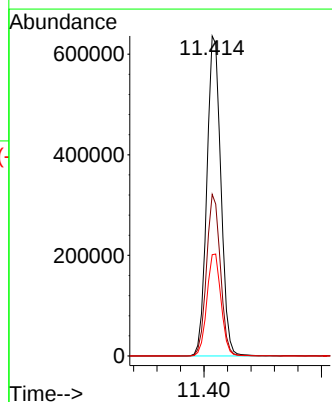
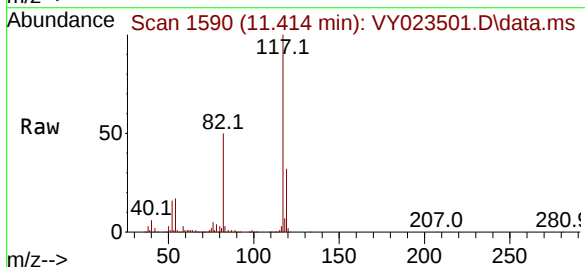
Instrument :
MSVOA_Y
ClientSampleId :

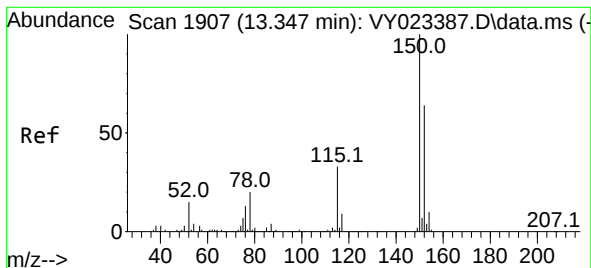
Tgt Ion: 95 Resp: 395172
Ion Ratio Lower Upper
95 100
174 97.8 0.0 192.8
176 94.0 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 117 Resp: 1053979
Ion Ratio Lower Upper
117 100
82 50.5 41.0 61.4
119 31.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

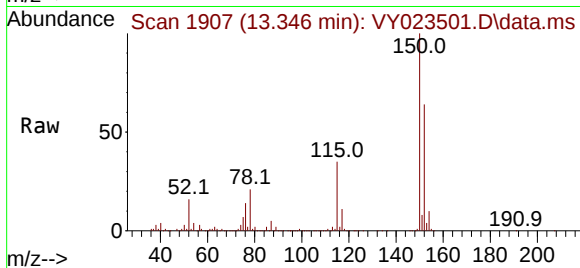
Lab File: VY023501.D

Acq: 20 Oct 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :



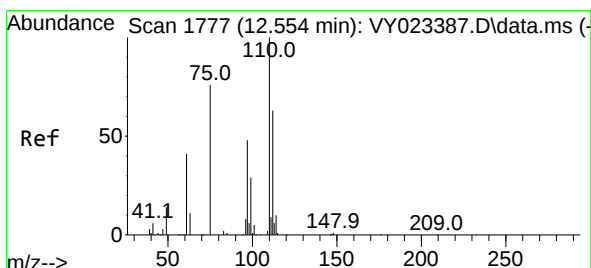
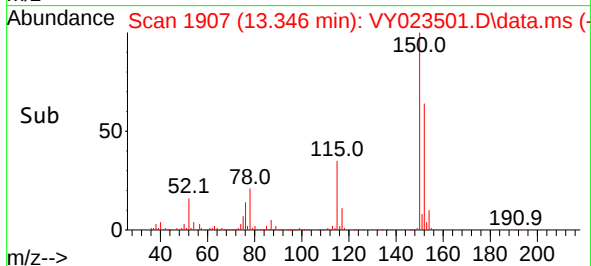
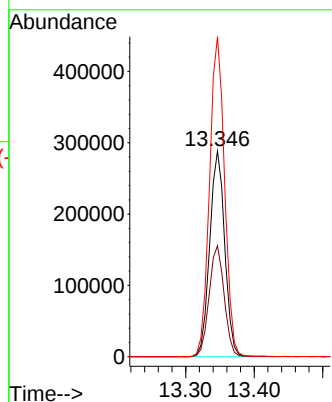
Tgt Ion:152 Resp: 438394

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 155.9 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 48.975 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023501.D

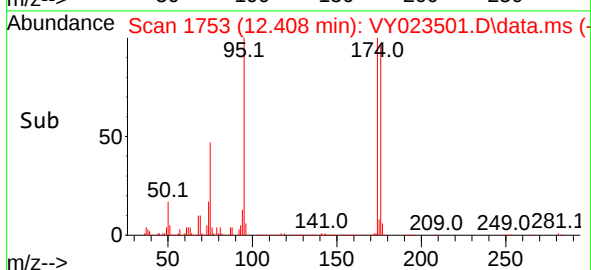
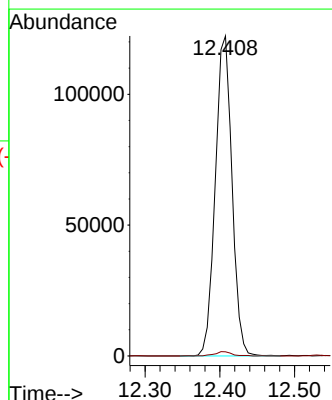
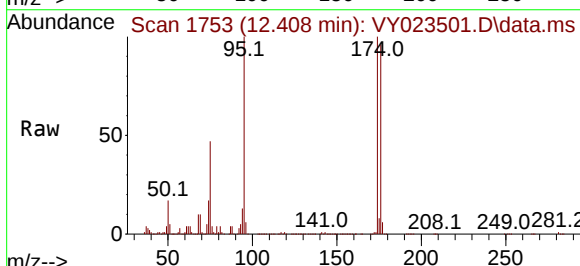
Acq: 20 Oct 2025 12:01

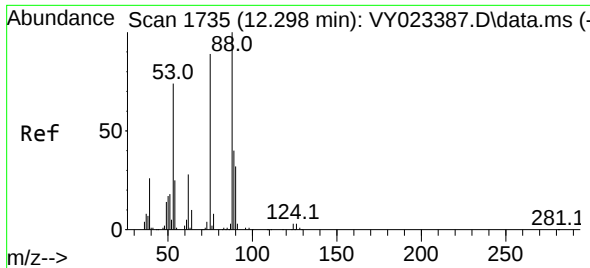
Tgt Ion: 75 Resp: 189427

Ion Ratio Lower Upper

75 100

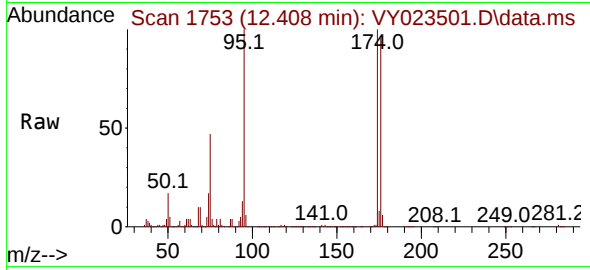
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.097 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023501.D
 Acq: 20 Oct 2025 12:01

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 189427
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 102.8#
 89 0.1 39.0 58.4#

