

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023511.D
 Acq On : 20 Oct 2025 16:10
 Operator : SY/MD
 Sample : Q3381-01
 Misc : 4.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 21 04:00:43 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)

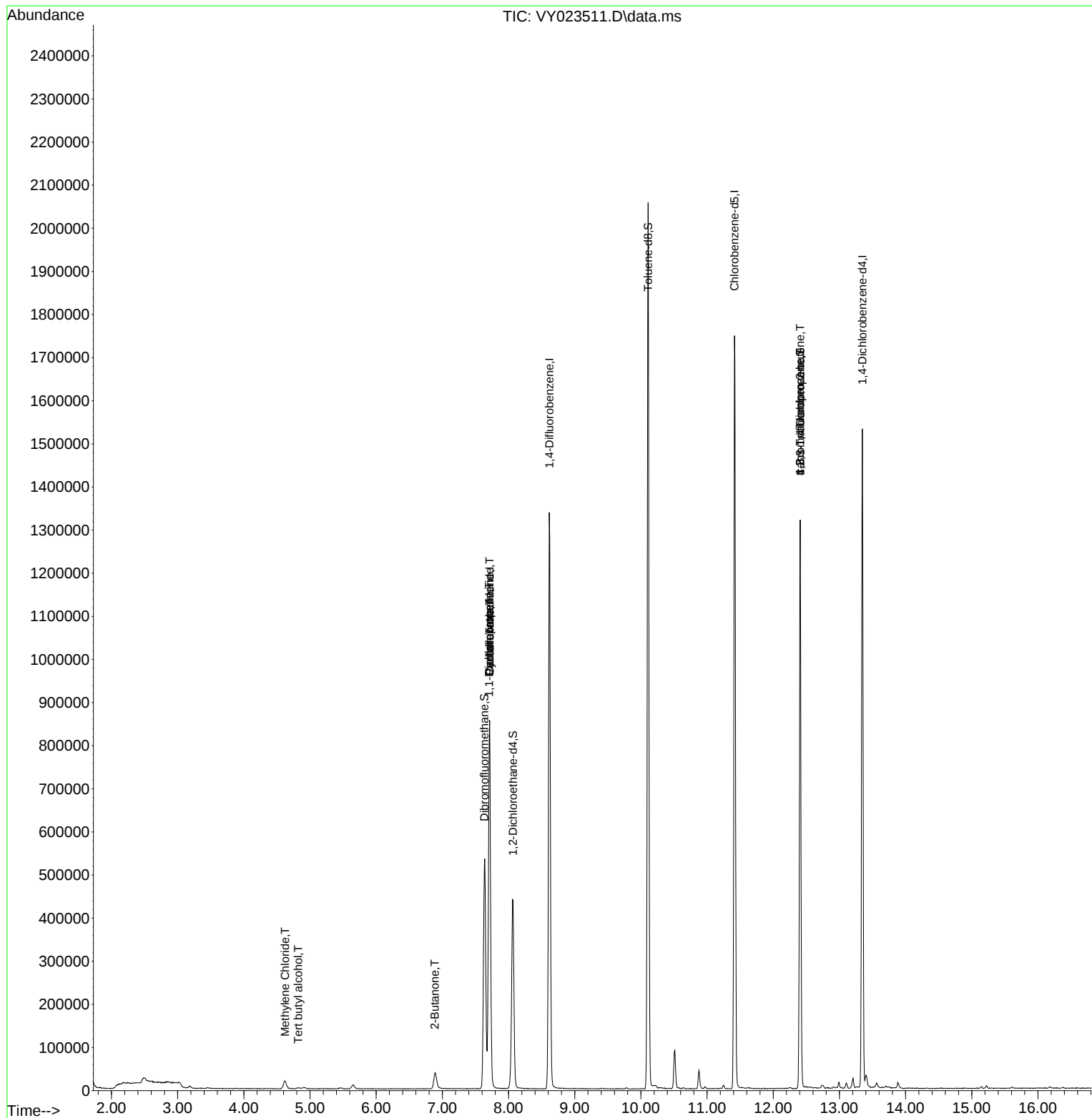
Internal Standards						
1) Pentafluorobenzene	7.713	168	700652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1189382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1015542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	414076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	336740	57.474	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.940%
35) Dibromofluoromethane	7.634	113	383897	52.530	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.060%
50) Toluene-d8	10.109	98	1340991	49.271	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.540%
62) 4-Bromofluorobenzene	12.408	95	373259	41.540	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.080%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	1066	2.446	ug/l #	72
20) Methylene Chloride	4.622	84	14687	1.947	ug/l #	92
25) 2-Butanone	6.884	43	1989	1.168	ug/l #	64
31) Cyclohexane	7.713	56	11859	1.217	ug/l #	5
36) 1,1-Dichloropropene	7.707	75	45713	4.725	ug/l #	48
38) Carbon Tetrachloride	7.713	117	63768	5.435	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	182868	50.056	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	182868	122.747	ug/l #	15

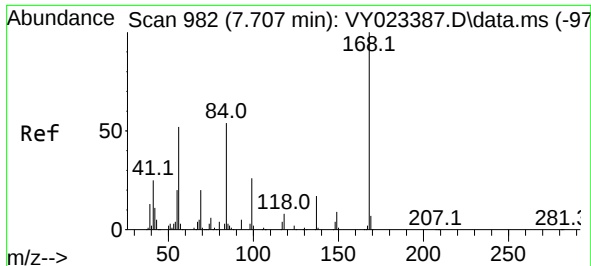
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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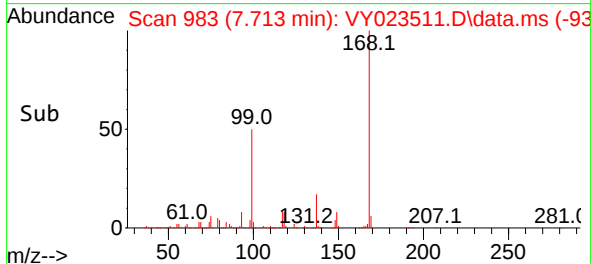
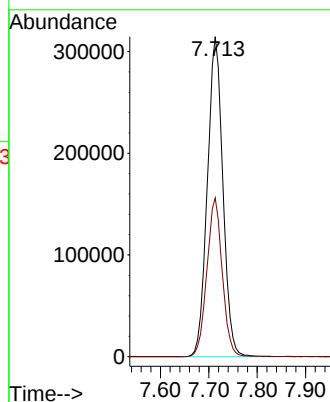
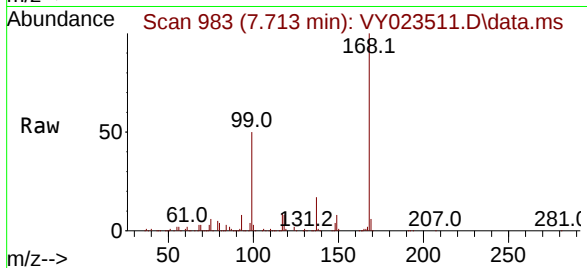




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

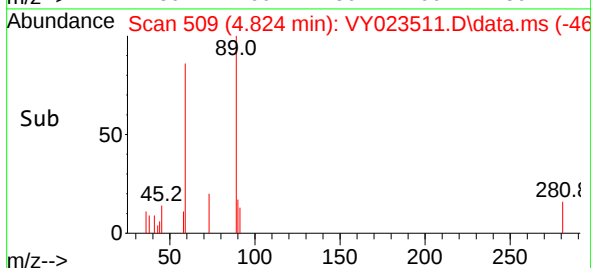
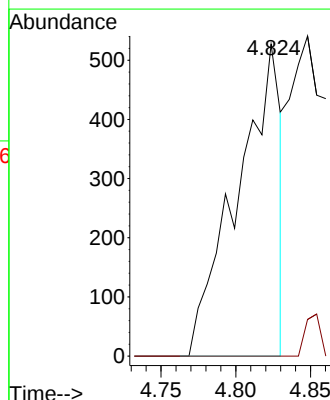
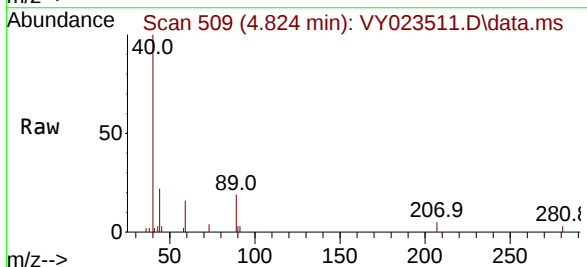
Instrument :
MSVOA_Y
ClientSampleId :

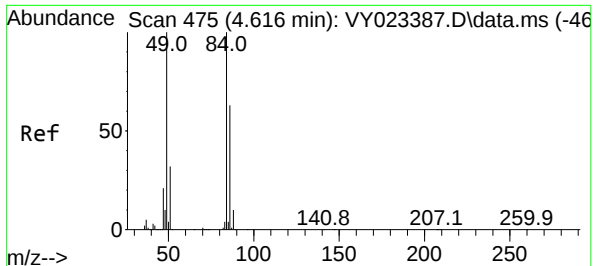
Tgt Ion:168 Resp: 700652
Ion Ratio Lower Upper
168 100
99 49.6 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.446 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

Tgt Ion: 59 Resp: 1066
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#20

Methylene Chloride

Concen: 1.947 ug/l

RT: 4.622 min Scan# 41

Delta R.T. 0.006 min

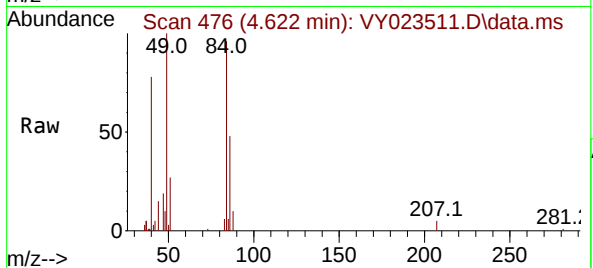
Lab File: VY023511.D

Acq: 20 Oct 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 14687

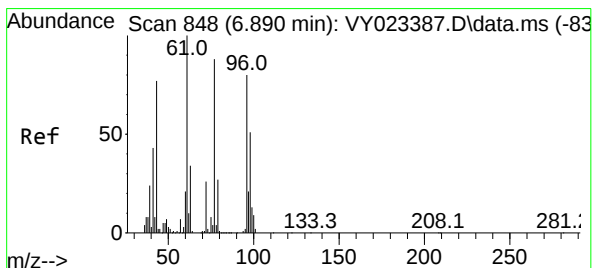
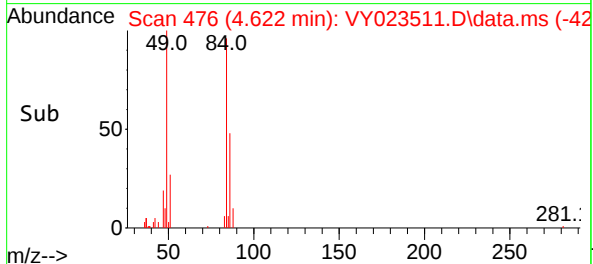
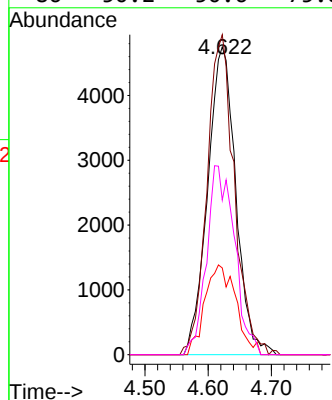
Ion Ratio Lower Upper

84 100

49 103.9 80.2 120.4

51 28.2 25.9 38.9

86 50.2 50.6 75.8#



#25

2-Butanone

Concen: 1.168 ug/l

RT: 6.884 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY023511.D

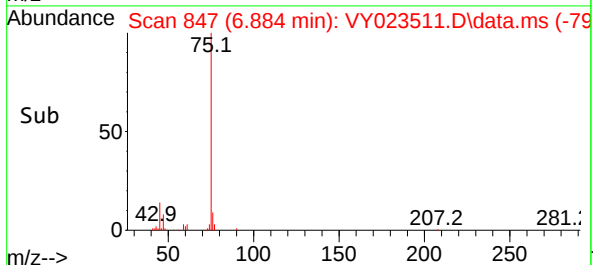
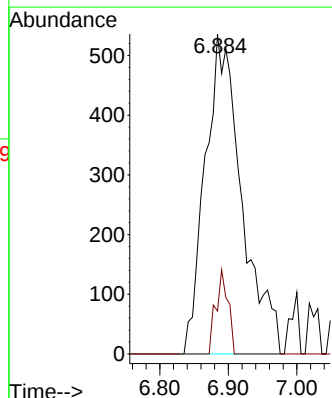
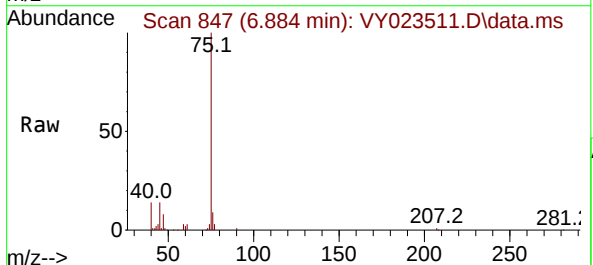
Acq: 20 Oct 2025 16:10

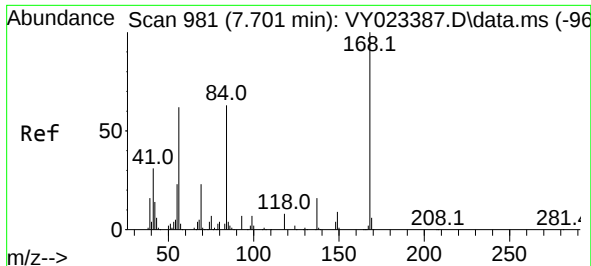
Tgt Ion: 43 Resp: 1989

Ion Ratio Lower Upper

43 100

72 13.4 27.4 41.2#

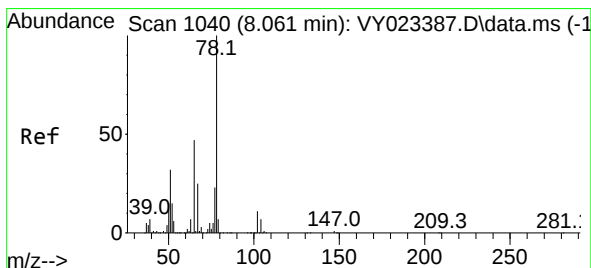
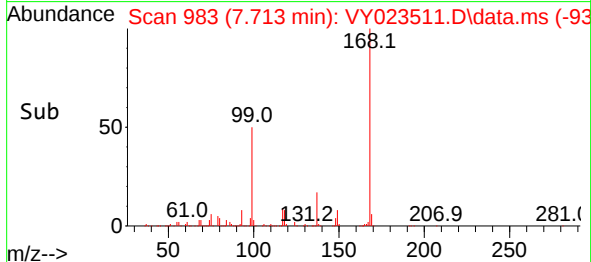
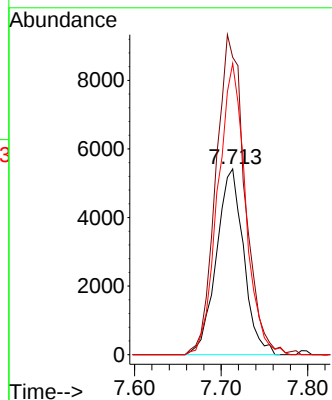
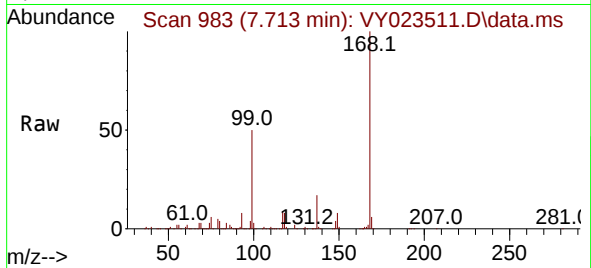




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

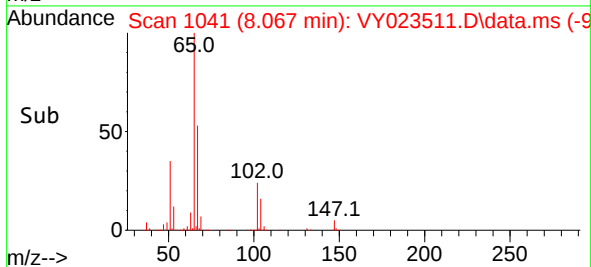
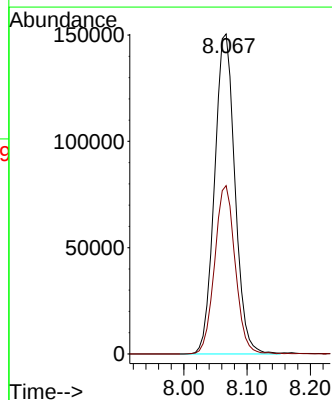
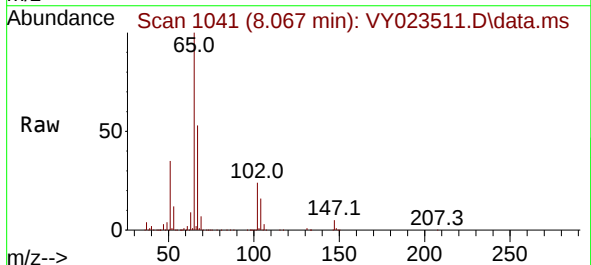
Instrument :
MSVOA_Y
ClientSampleId :

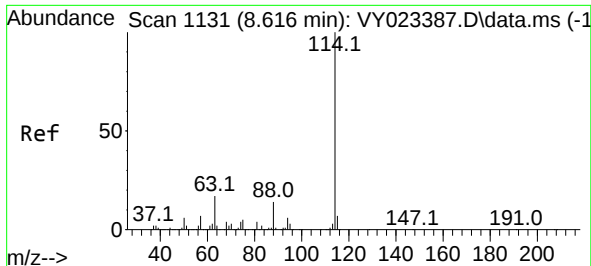
Tgt Ion: 56 Resp: 11859
Ion Ratio Lower Upper
56 100
69 160.0 30.0 45.0#
84 156.7 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 57.474 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

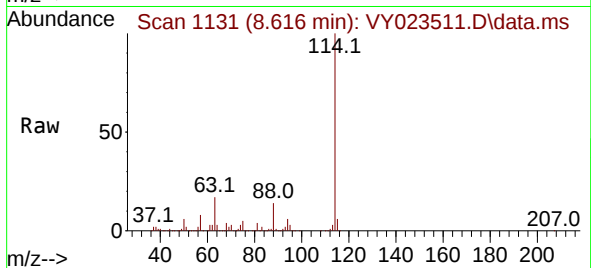
Tgt Ion: 65 Resp: 336740
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8



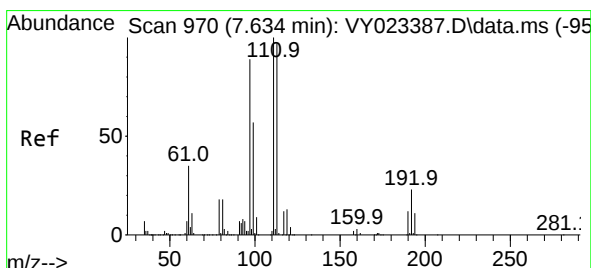
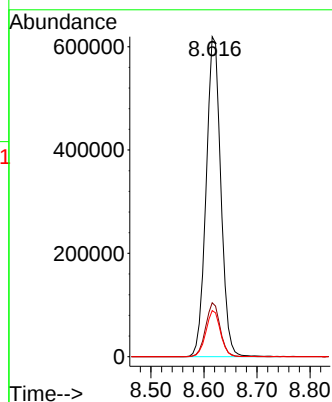
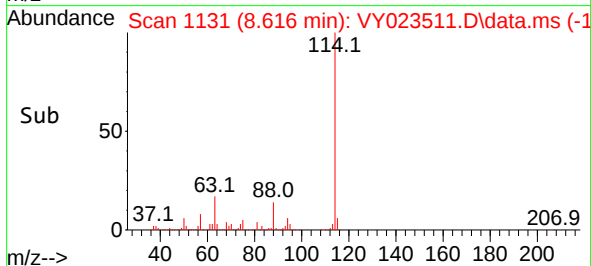


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

Instrument :
MSVOA_Y
ClientSampleId :

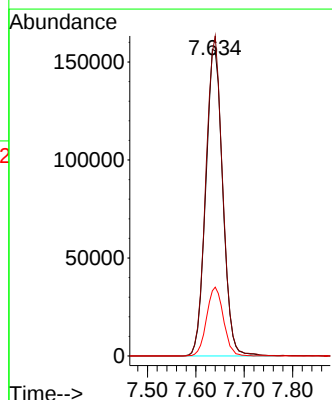
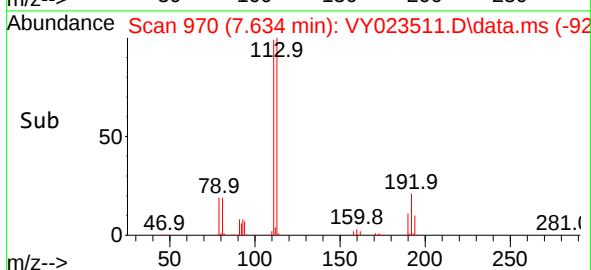
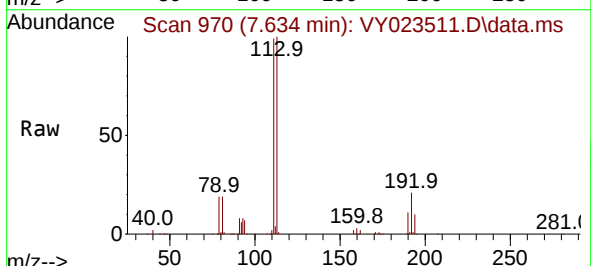


Tgt Ion:114 Resp: 1189382
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 52.530 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

Tgt Ion:113 Resp: 383897
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 22.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.725 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023511.D

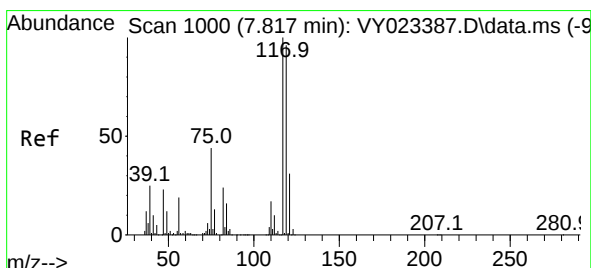
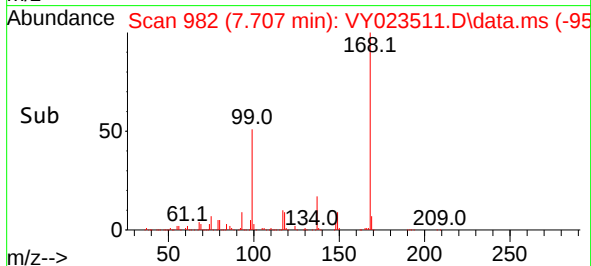
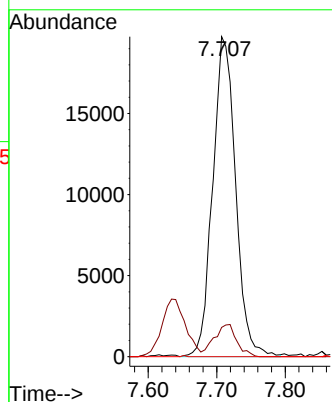
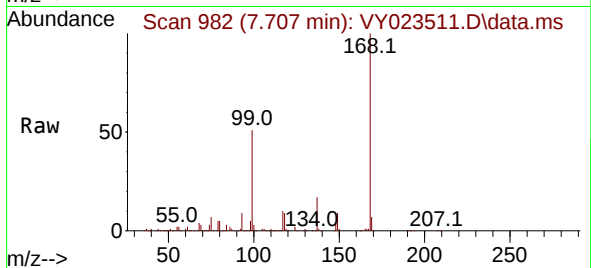
Acq: 20 Oct 2025 16:10

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 45713
Ion Ratio	Lower Upper
75 100	
110 9.9	19.9 59.7#
77 0.0	25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.435 ug/l

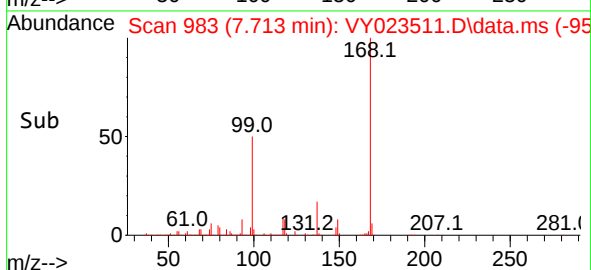
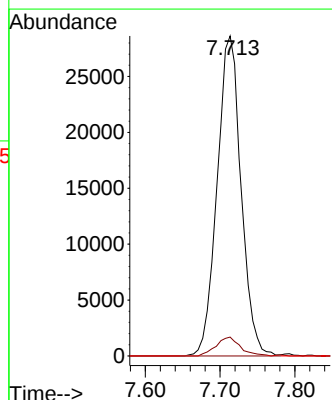
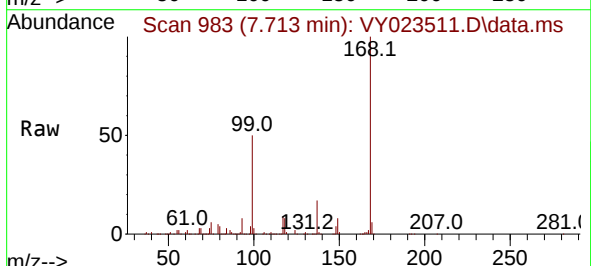
RT: 7.713 min Scan# 983

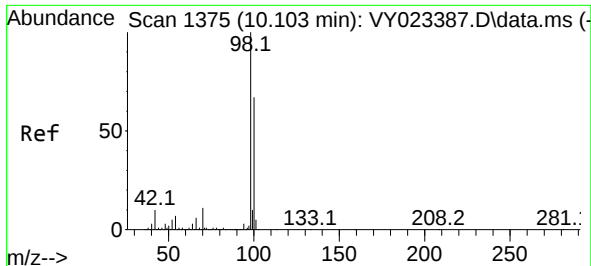
Delta R.T. -0.104 min

Lab File: VY023511.D

Acq: 20 Oct 2025 16:10

Tgt Ion: 117	Resp: 63768
Ion Ratio	Lower Upper
117 100	
119 5.9	76.8 115.2#
121 0.0	24.5 36.7#

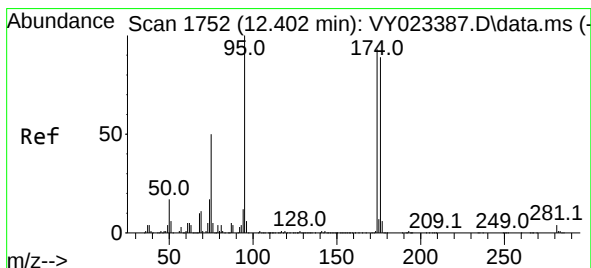
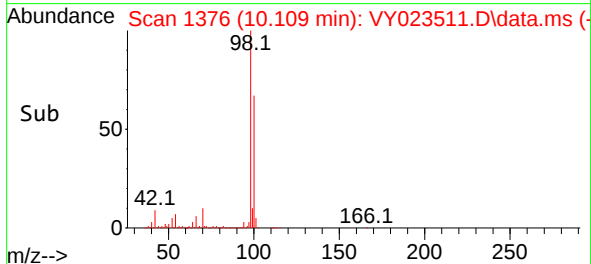
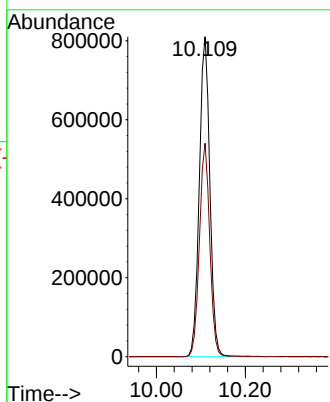
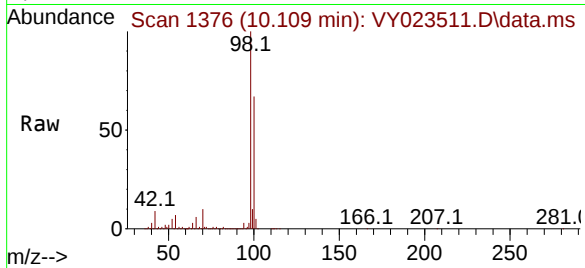




#50
Toluene-d8
Concen: 49.271 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

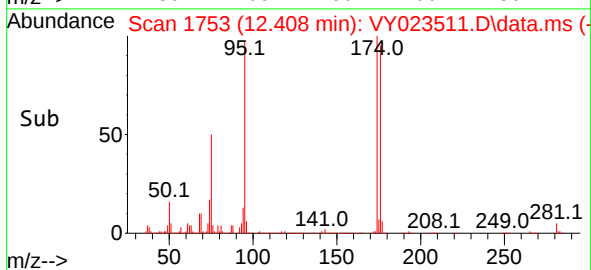
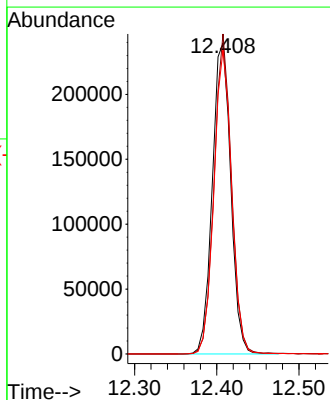
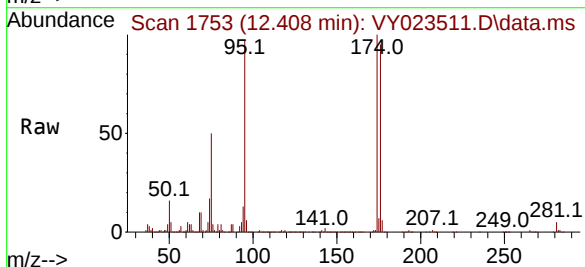
Instrument :
MSVOA_Y
ClientSampleId :

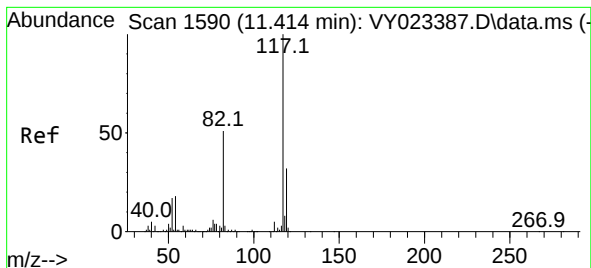
Tgt Ion: 98 Resp: 1340991
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.540 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

Tgt Ion: 95 Resp: 373259
Ion Ratio Lower Upper
95 100
174 97.2 0.0 192.8
176 94.0 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023511.D

Acq: 20 Oct 2025 16:10

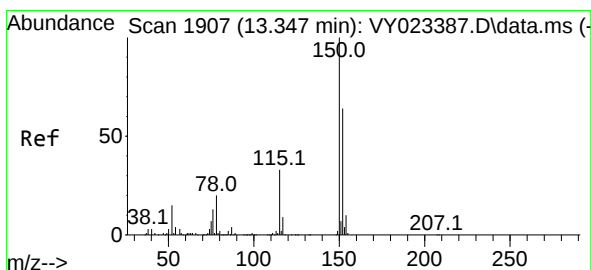
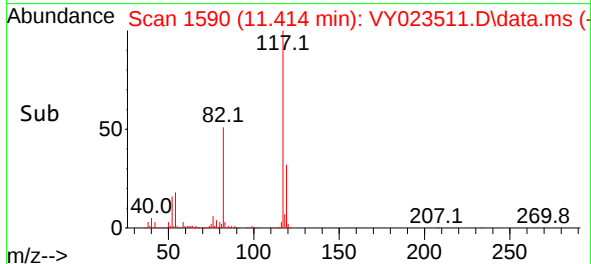
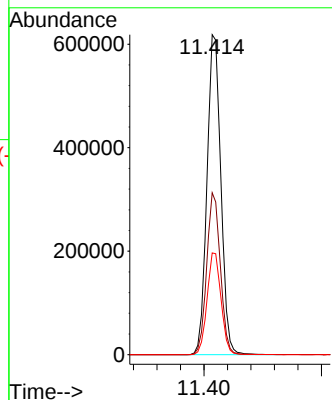
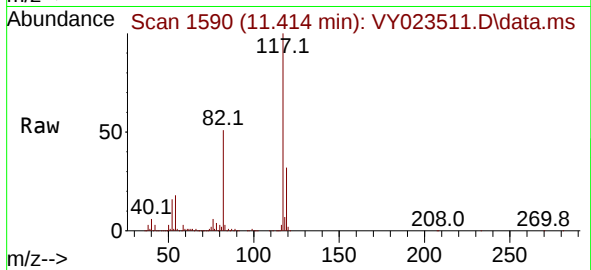
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117 Resp: 1015542

Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.0	61.4
119	31.8	25.6	38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

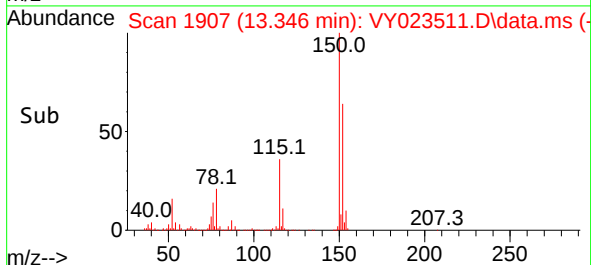
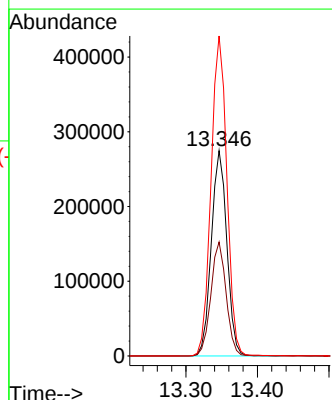
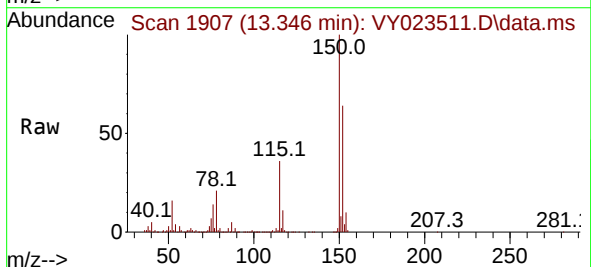
Delta R.T. -0.000 min

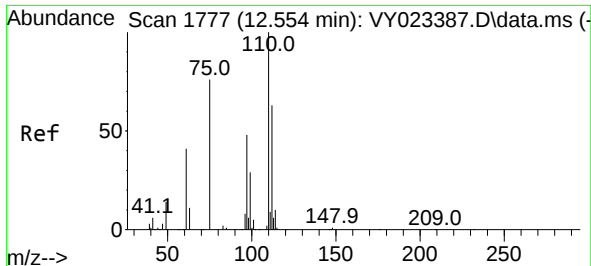
Lab File: VY023511.D

Acq: 20 Oct 2025 16:10

Tgt Ion:152 Resp: 414076

Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.1	81.2
150	158.8	0.0	347.4

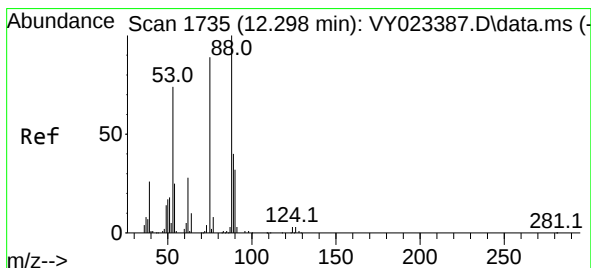
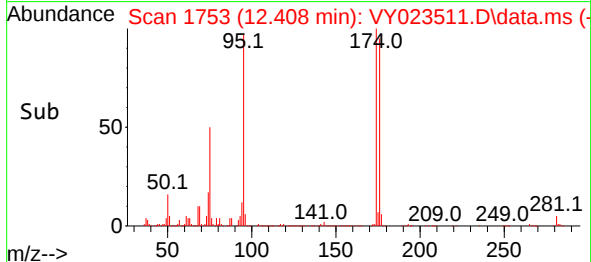
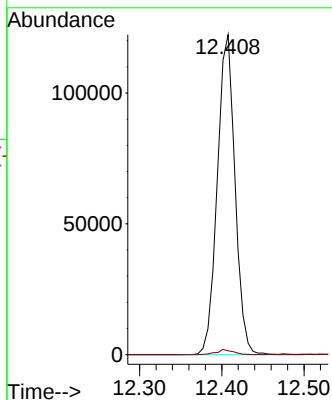
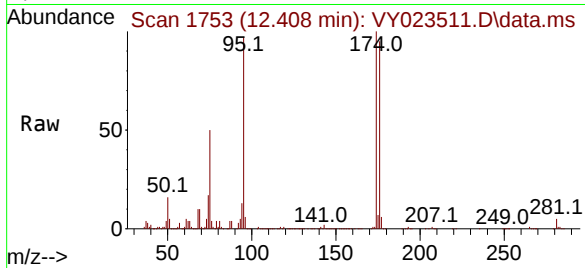




#76
1,2,3-Trichloropropane
Concen: 50.056 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 182868
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.747 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023511.D
Acq: 20 Oct 2025 16:10

Tgt Ion: 75 Resp: 182868
Ion Ratio Lower Upper
75 100
53 0.3 68.6 102.8#
89 0.1 39.0 58.4#

