

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101325\
 Data File : VY023448.D
 Acq On : 13 Oct 2025 09:23
 Operator : SY/MD
 Sample : VY1013SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1013SBL01

Quant Time: Oct 14 04:15:34 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)

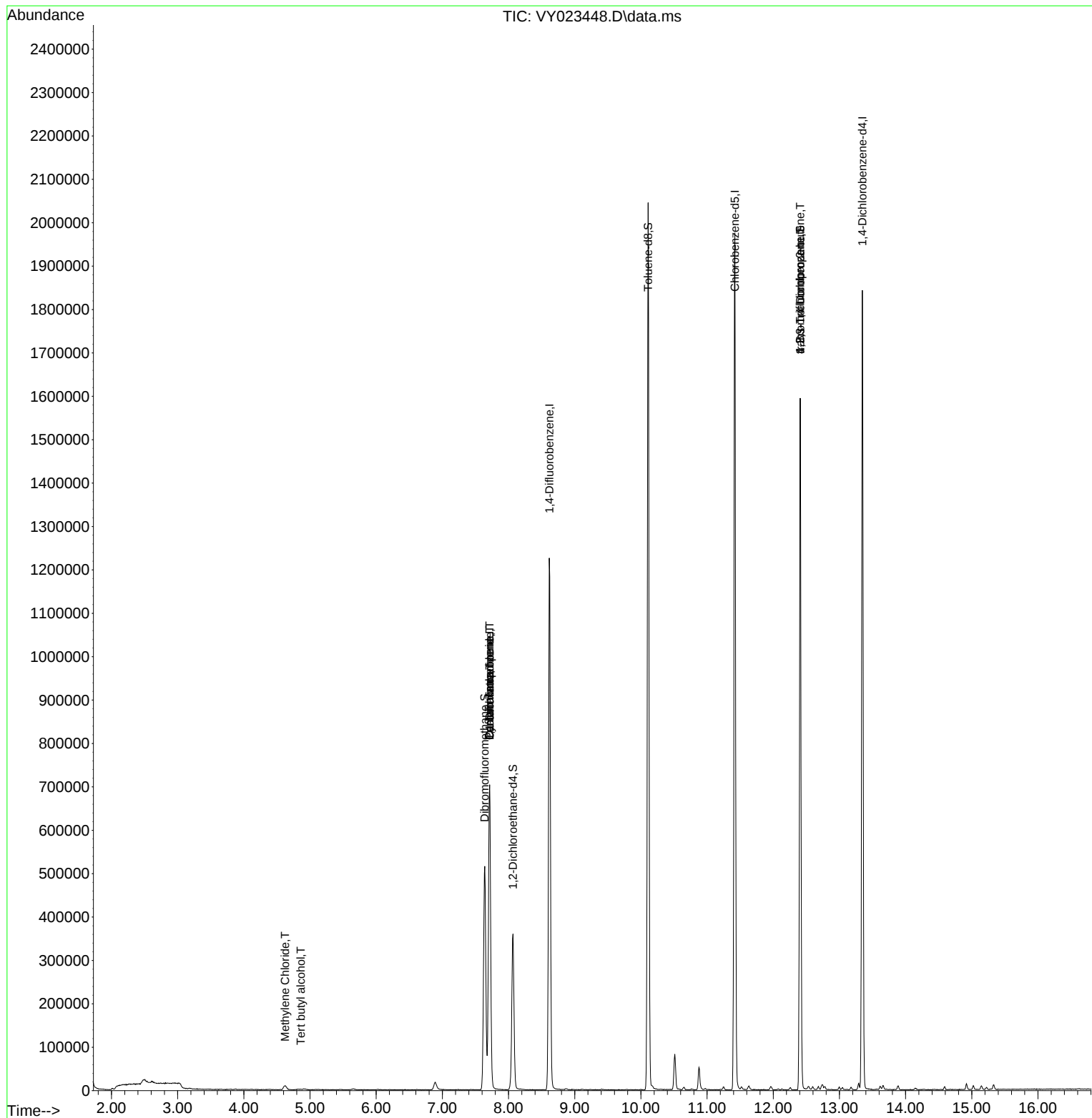
Internal Standards						
1) Pentafluorobenzene	7.713	168	605372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1129124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1157386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	499301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	277738	54.865	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.720%	
35) Dibromofluoromethane	7.640	113	366974	52.894	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.780%	
50) Toluene-d8	10.109	98	1352689	52.354	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.700%	
62) 4-Bromofluorobenzene	12.408	95	459278	53.841	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.680%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	757	2.010	ug/l #	72
20) Methylene Chloride	4.622	84	7110	1.091	ug/l #	88
31) Cyclohexane	7.713	56	9723	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	38821	4.227	ug/l #	48
38) Carbon Tetrachloride	7.713	117	54890	4.928	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	223872	50.820	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	223872	124.621	ug/l #	15

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

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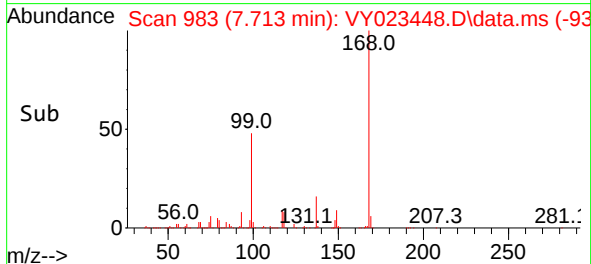
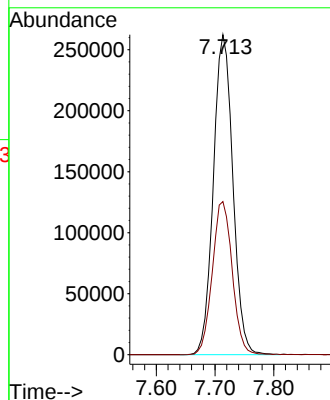
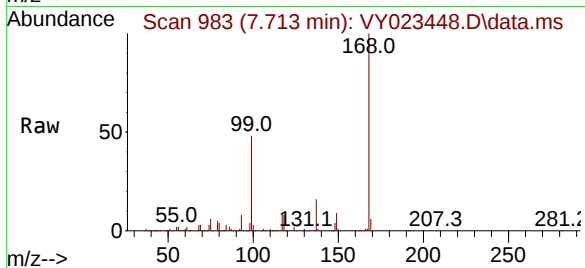




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

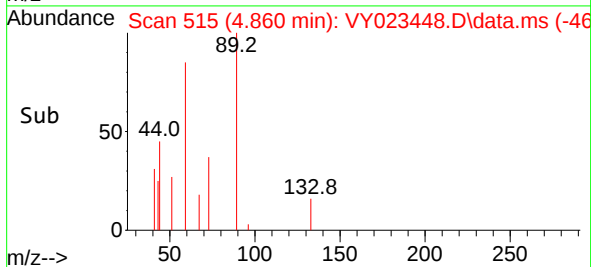
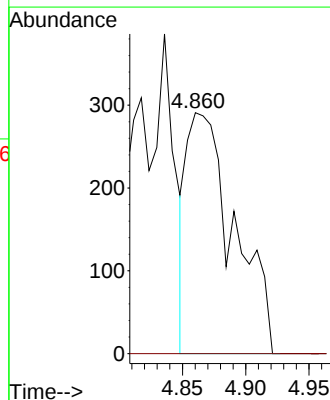
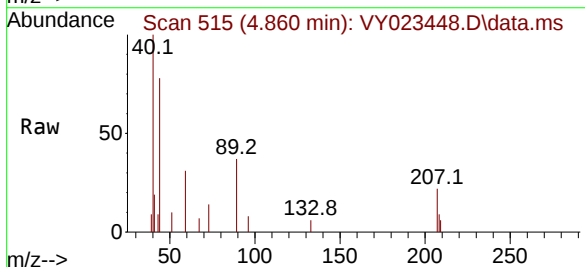
Instrument :
MSVOA_Y
ClientSampleId :
VY1013SBL01

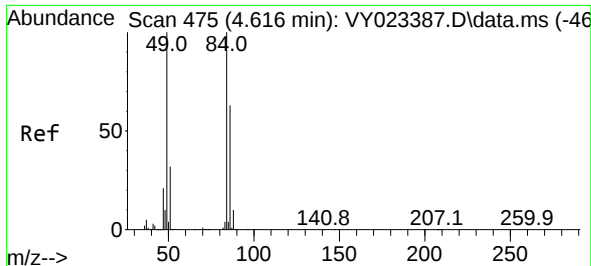
Tgt Ion:168 Resp: 605372
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.010 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

Tgt Ion: 59 Resp: 757
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

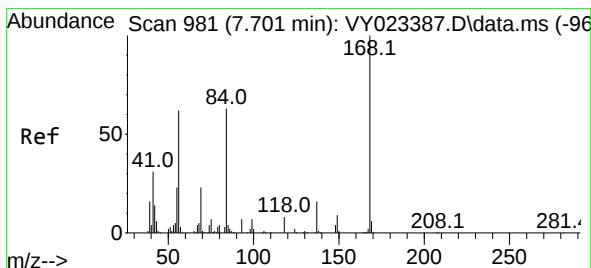
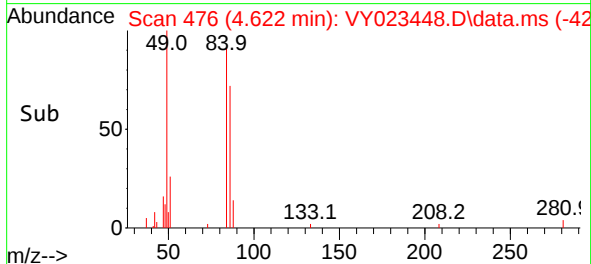
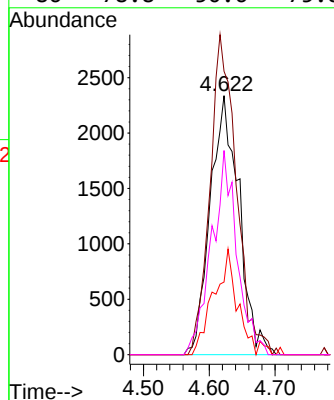
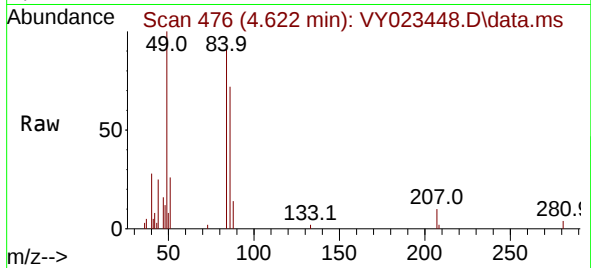




#20
Methylene Chloride
Concen: 1.091 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

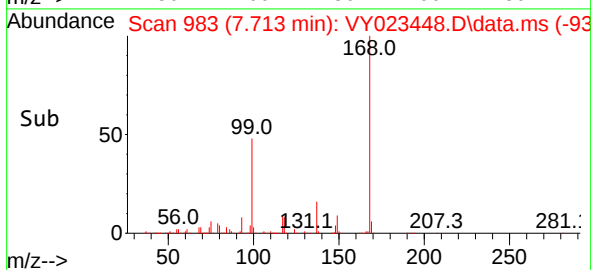
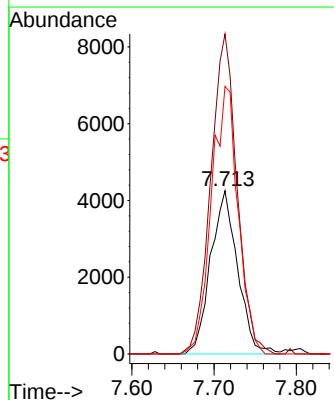
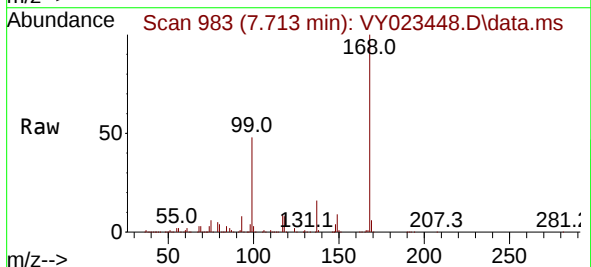
Instrument :
MSVOA_Y
ClientSampleId :
VY1013SBL01

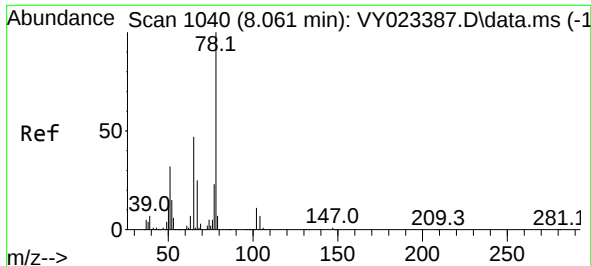
Tgt Ion:	84	Resp:	7110
Ion	Ratio	Lower	Upper
84	100		
49	109.4	80.2	120.4
51	28.0	25.9	38.9
86	78.8	50.6	75.8



#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

Tgt Ion:	56	Resp:	9723
Ion	Ratio	Lower	Upper
56	100		
69	196.1	30.0	45.0
84	164.0	81.2	121.8





#33

1,2-Dichloroethane-d4

Concen: 54.865 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023448.D

Acq: 13 Oct 2025 09:23

Instrument :

MSVOA_Y

ClientSampleId :

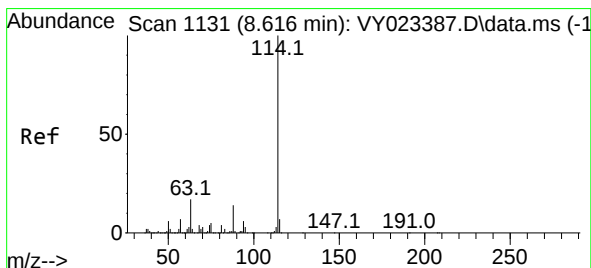
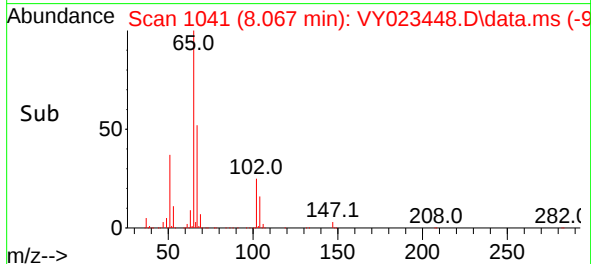
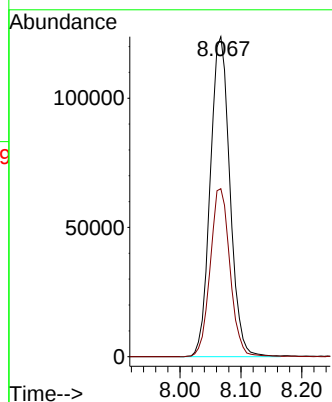
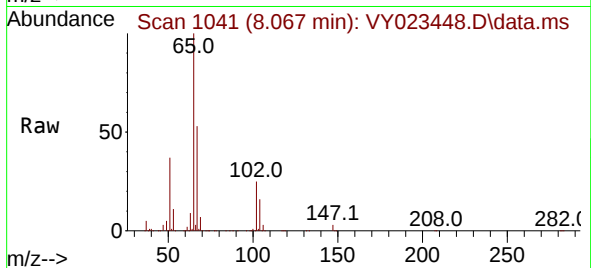
VY1013SBL01

Tgt Ion: 65 Resp: 277738

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: VY023448.D

Acq: 13 Oct 2025 09:23

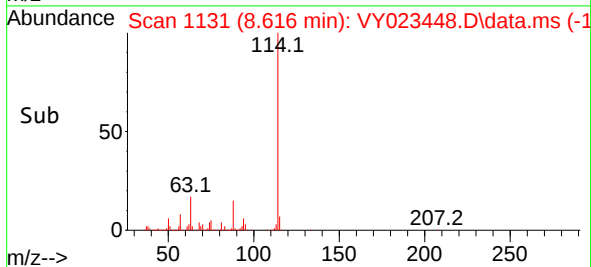
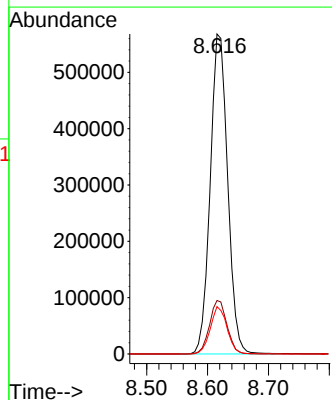
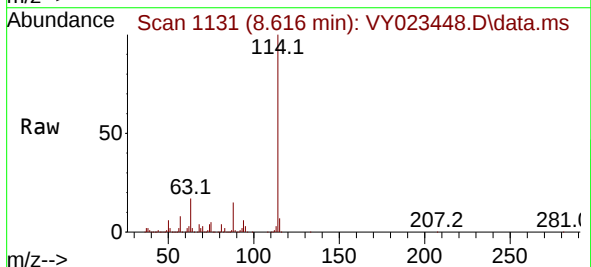
Tgt Ion: 114 Resp: 1129124

Ion Ratio Lower Upper

114 100

63 16.7 0.0 34.2

88 14.8 0.0 28.4

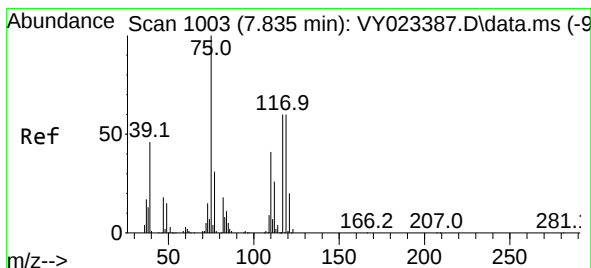
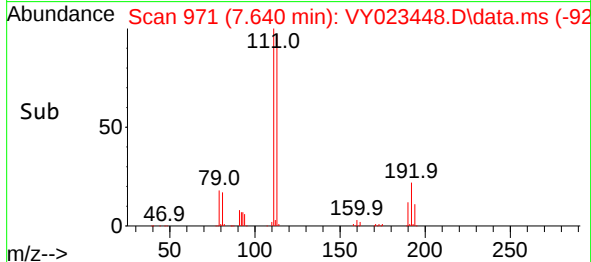
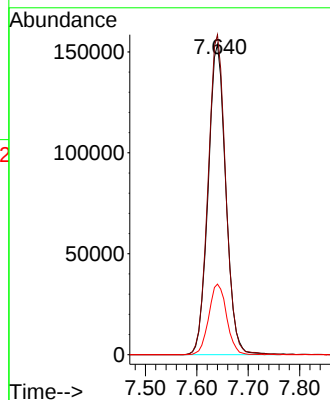
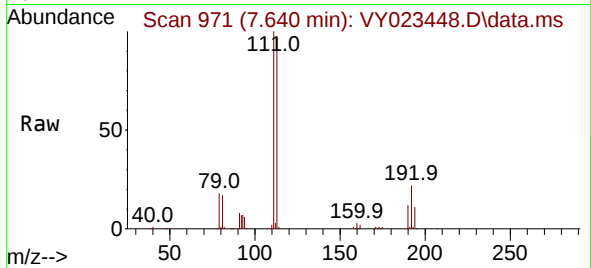




#35
Dibromofluoromethane
Concen: 52.894 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

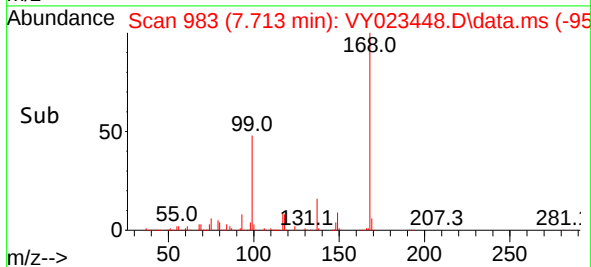
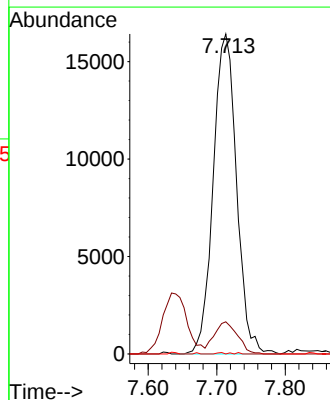
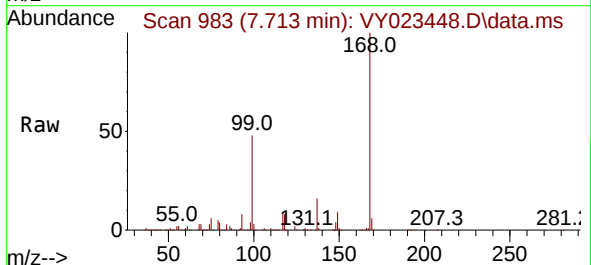
Instrument :
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ClientSampleId :
VY1013SBL01

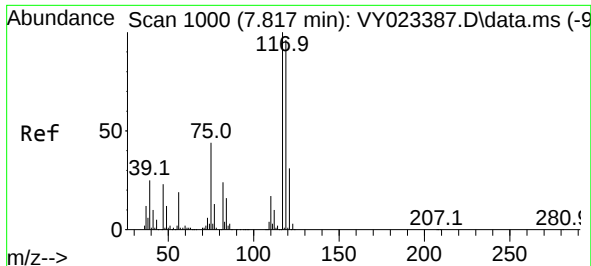
Tgt Ion:113 Resp: 366974
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 23.0 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.227 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

Tgt Ion: 75 Resp: 38821
Ion Ratio Lower Upper
75 100
110 10.0 19.9 59.7#
77 0.1 25.0 37.6#

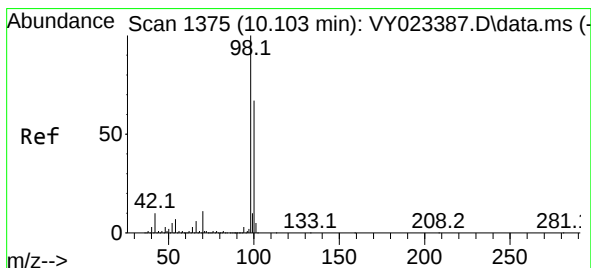
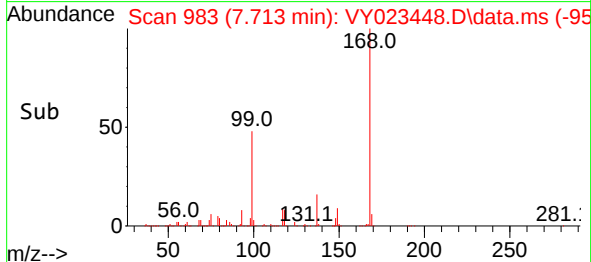
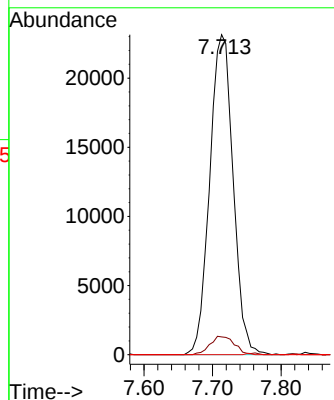
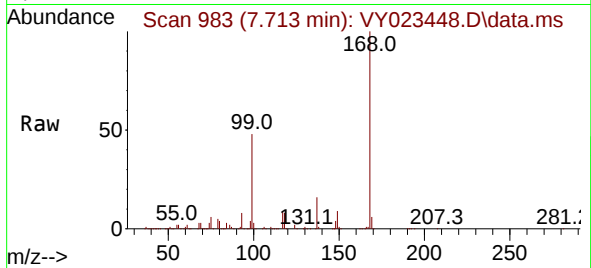




#38
Carbon Tetrachloride
Concen: 4.928 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

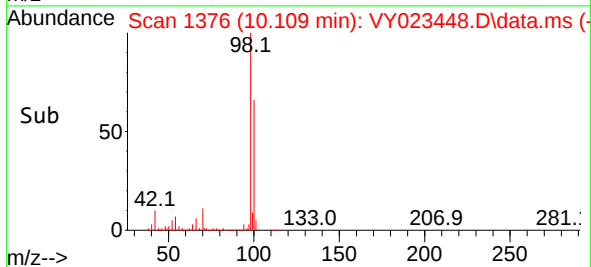
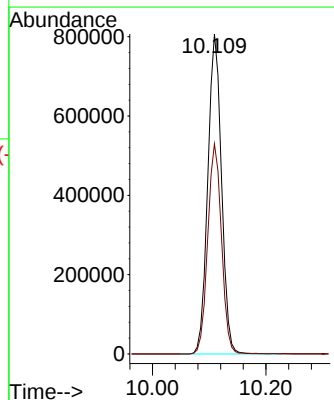
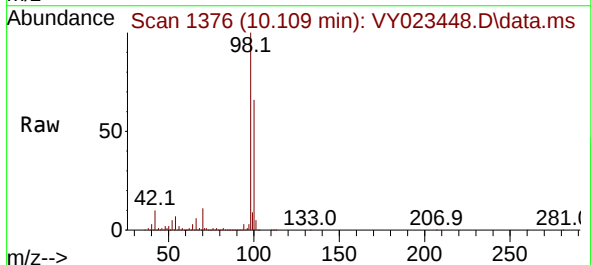
Instrument :
MSVOA_Y
ClientSampleId :
VY1013SBL01

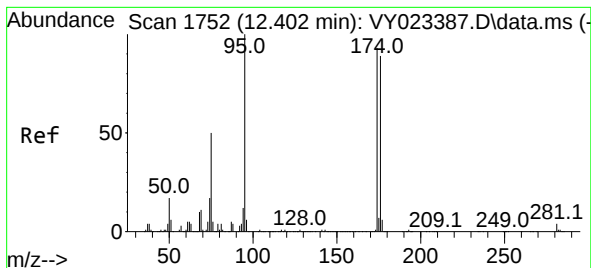
Tgt Ion:117 Resp: 54890
Ion Ratio Lower Upper
117 100
119 5.6 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.354 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

Tgt Ion: 98 Resp: 1352689
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

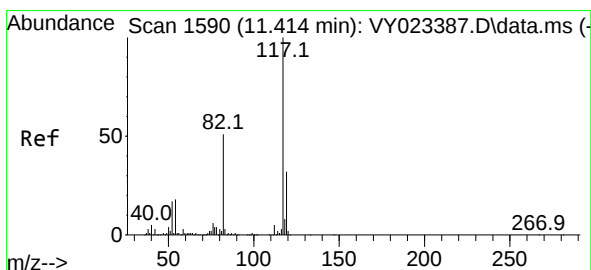
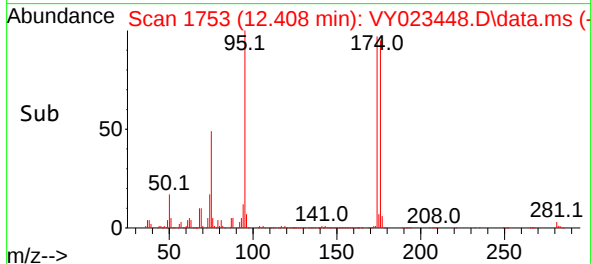
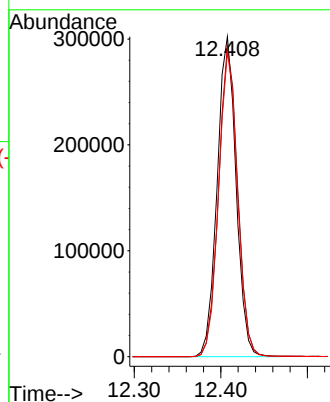
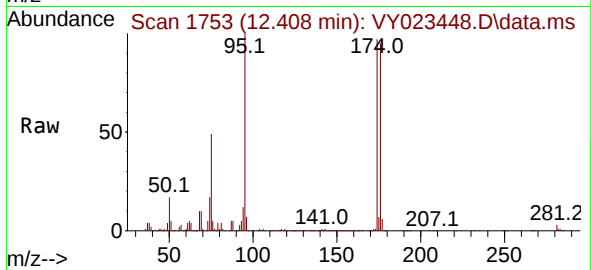




#62
4-Bromofluorobenzene
Concen: 53.841 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

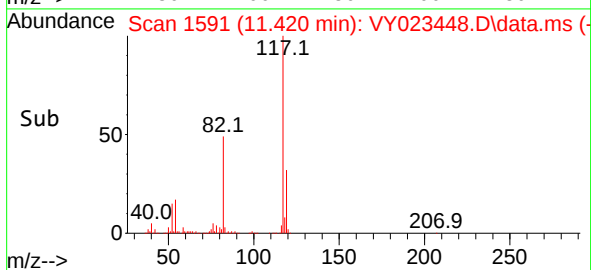
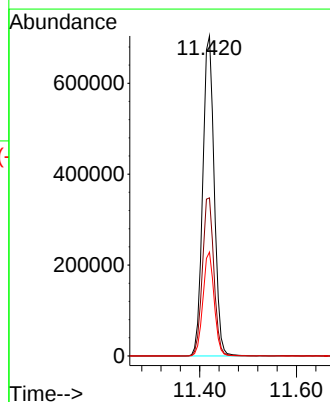
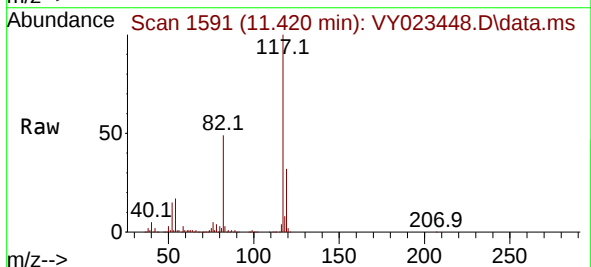
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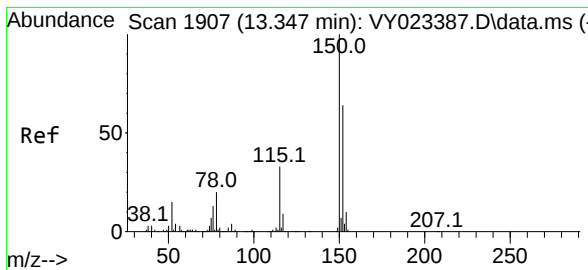
Tgt Ion: 95 Resp: 459278
Ion Ratio Lower Upper
95 100
174 97.4 0.0 192.8
176 95.0 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023448.D
Acq: 13 Oct 2025 09:23

Tgt Ion: 117 Resp: 1157386
Ion Ratio Lower Upper
117 100
82 49.4 41.0 61.4
119 32.4 25.6 38.4

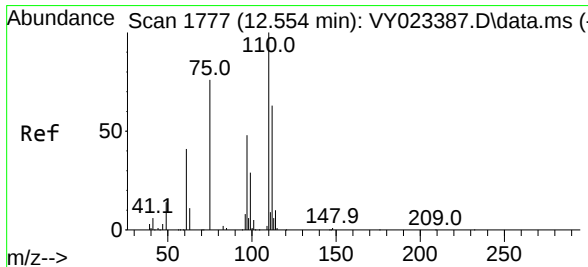
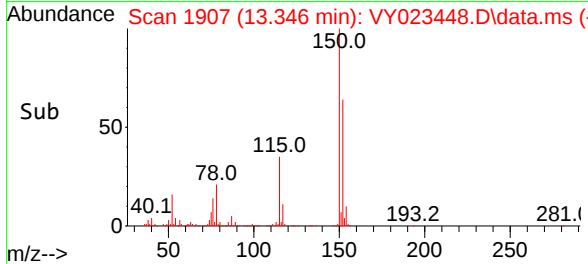
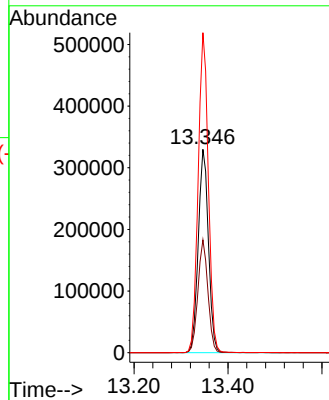
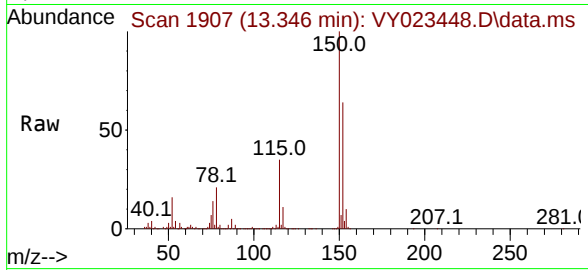




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023448.D
 Acq: 13 Oct 2025 09:23

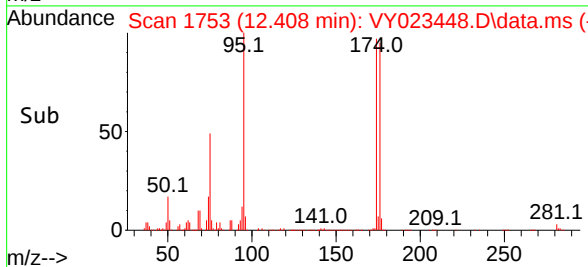
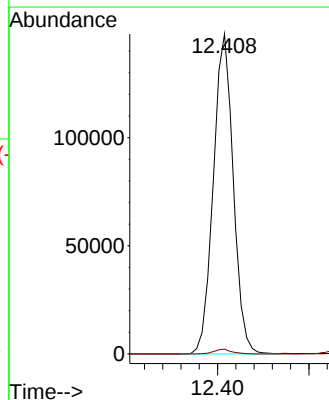
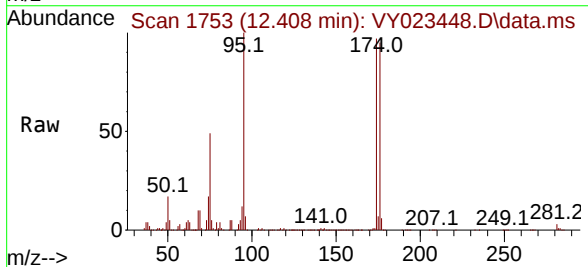
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1013SBL01

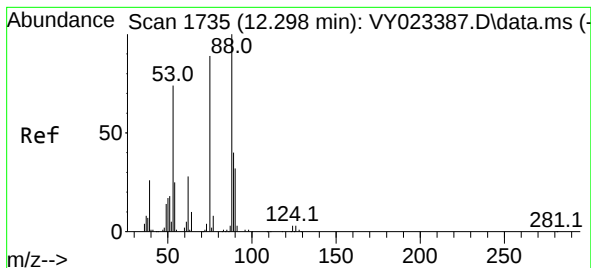
Tgt Ion:152 Resp: 499301
 Ion Ratio Lower Upper
 152 100
 115 54.7 27.1 81.2
 150 157.2 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 50.820 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023448.D
 Acq: 13 Oct 2025 09:23

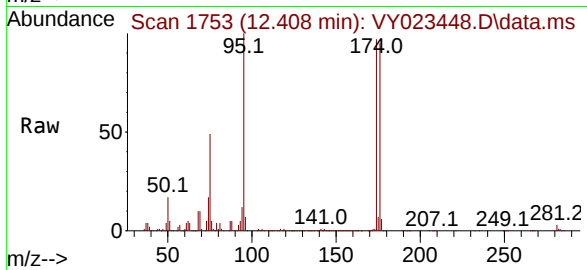
Tgt Ion: 75 Resp: 223872
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.621 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023448.D
 Acq: 13 Oct 2025 09:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1013SBL01



Tgt Ion: 75 Resp: 223872
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

