

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023570.D
 Acq On : 24 Oct 2025 14:04
 Operator : SY/MD
 Sample : Q3440-03
 Misc : 4.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JB-2-VOC

Quant Time: Oct 24 23:51:13 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)

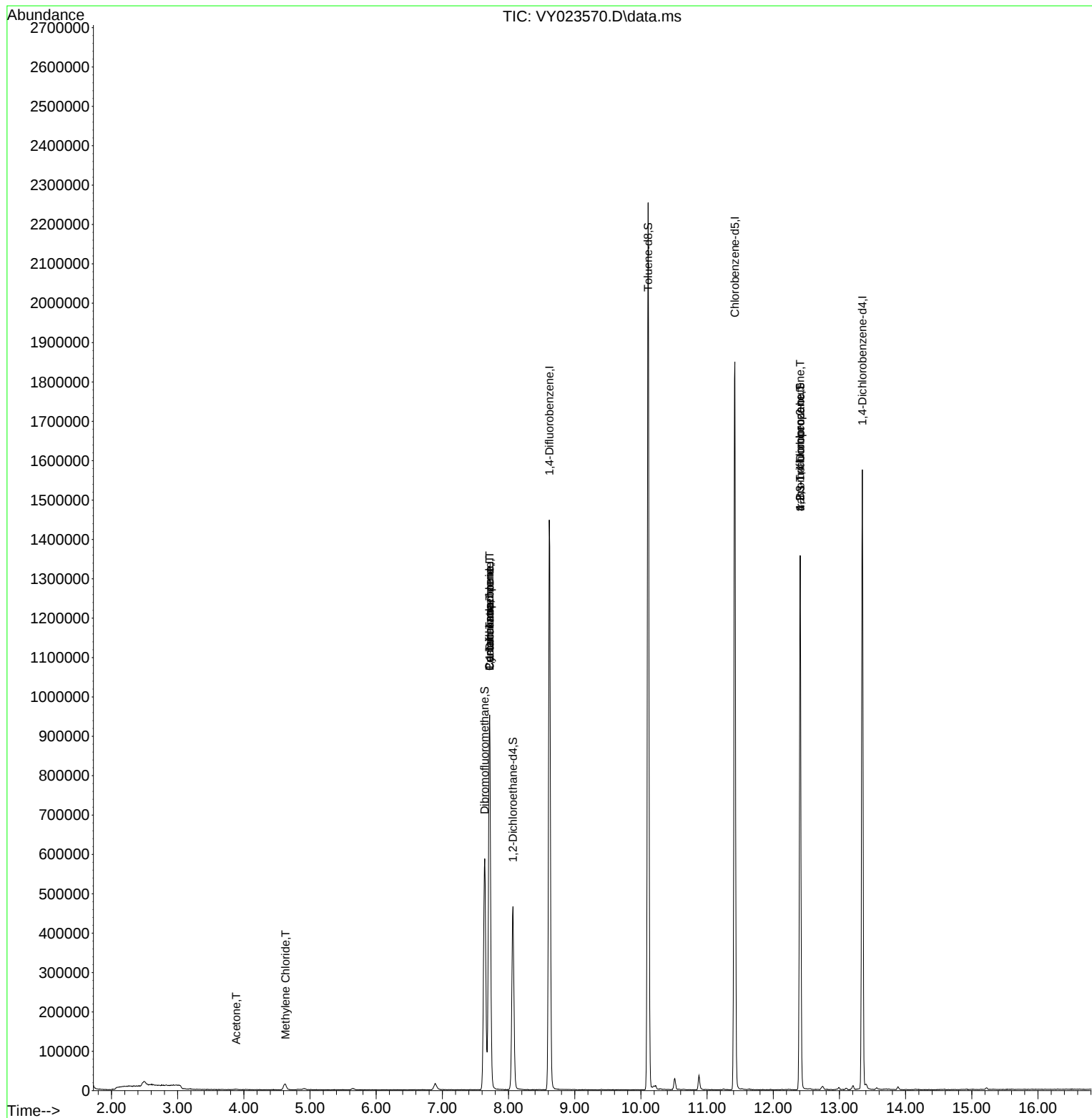
Internal Standards						
1) Pentafluorobenzene	7.713	168	825035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1332011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1099582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	431429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	352355	51.073	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.140%	
35) Dibromofluoromethane	7.640	113	420809	51.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.820%	
50) Toluene-d8	10.109	98	1473386	48.339	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.680%	
62) 4-Bromofluorobenzene	12.408	95	403373	40.085	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.160%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	2297	1.399	ug/l #	77
20) Methylene Chloride	4.629	84	11903	1.340	ug/l	95
31) Cyclohexane	7.713	56	12527	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50073	4.621	ug/l #	48
38) Carbon Tetrachloride	7.713	117	72837	5.544	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	192762	50.642	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	192762	124.184	ug/l #	15

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

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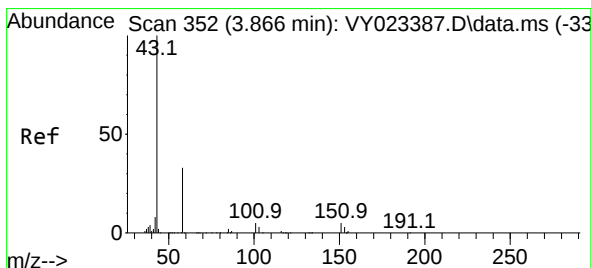
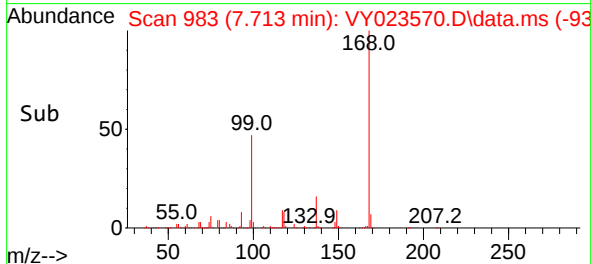
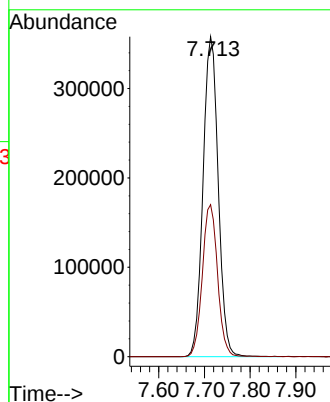
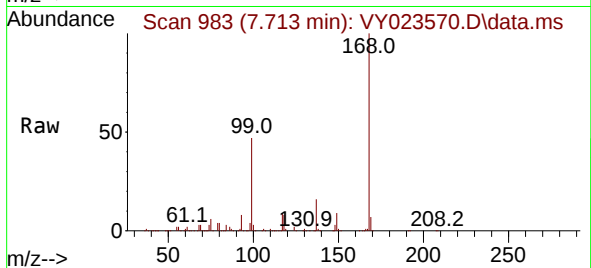




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

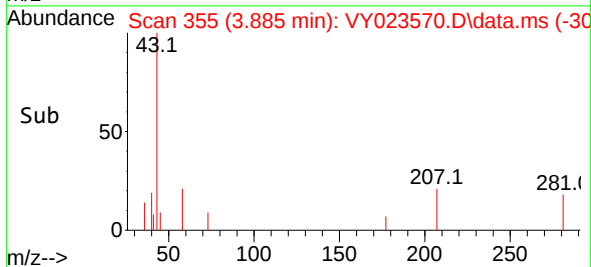
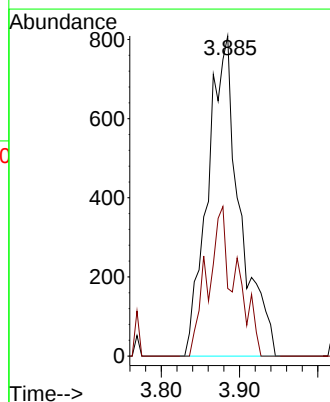
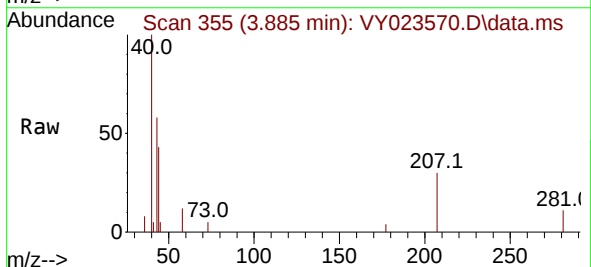
Instrument :
MSVOA_Y
ClientSampleId :
JB-2-VOC

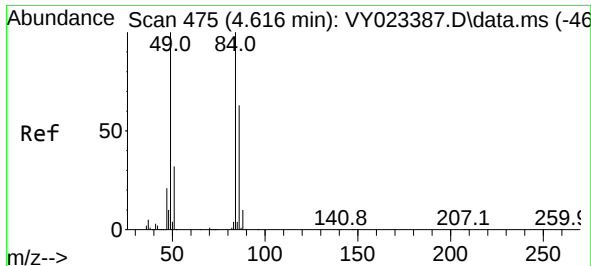
Tgt Ion:168 Resp: 825035
Ion Ratio Lower Upper
168 100
99 47.5 39.7 59.5



#16
Acetone
Concen: 1.399 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion: 43 Resp: 2297
Ion Ratio Lower Upper
43 100
58 21.1 27.7 41.5#

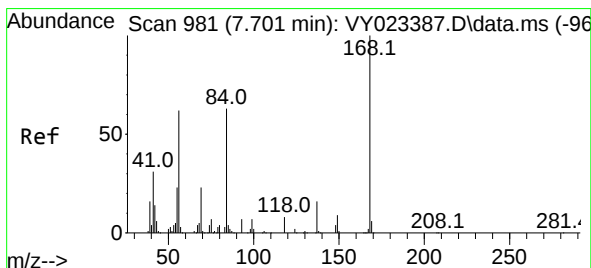
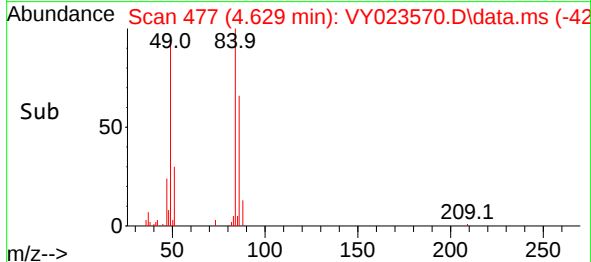
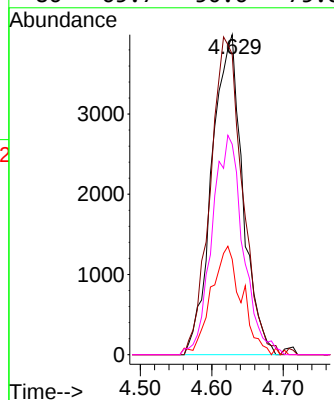
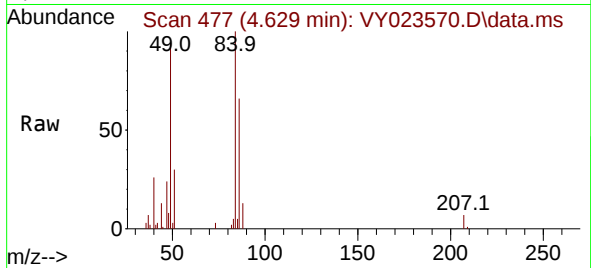




#20
Methylene Chloride
Concen: 1.340 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

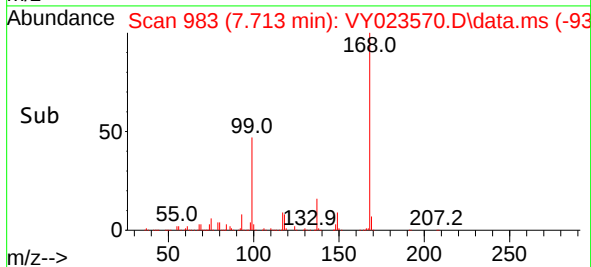
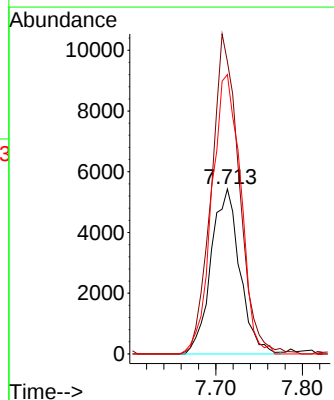
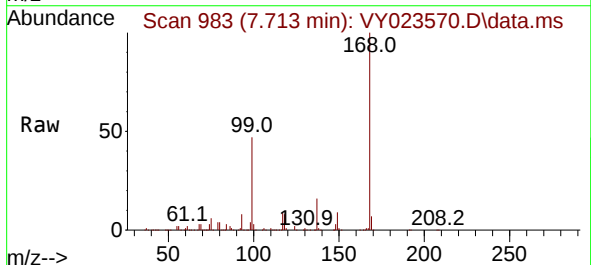
Instrument :
MSVOA_Y
ClientSampleId :
JB-2-VOC

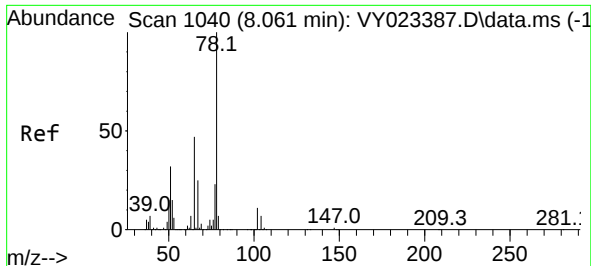
Tgt Ion:	84	Resp:	11903
Ion	Ratio	Lower	Upper
84	100		
49	93.9	80.2	120.4
51	29.8	25.9	38.9
86	65.7	50.6	75.8



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion:	56	Resp:	12527
Ion	Ratio	Lower	Upper
56	100		
69	177.2	30.0	45.0#
84	169.3	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 51.073 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. 0.006 min

Lab File: VY023570.D

Acq: 24 Oct 2025 14:04

Instrument :

MSVOA_Y

ClientSampleId :

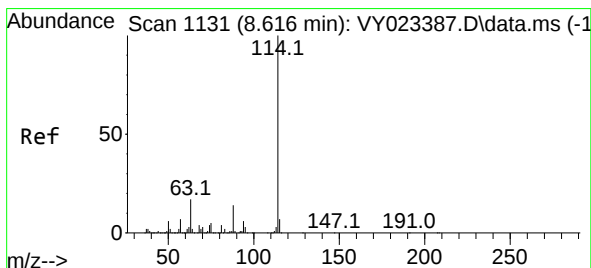
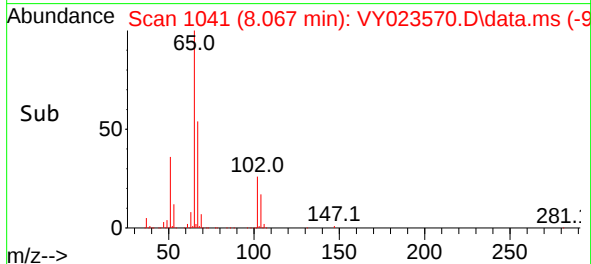
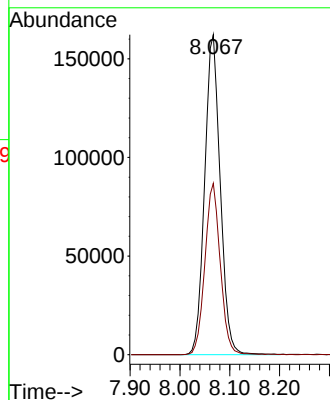
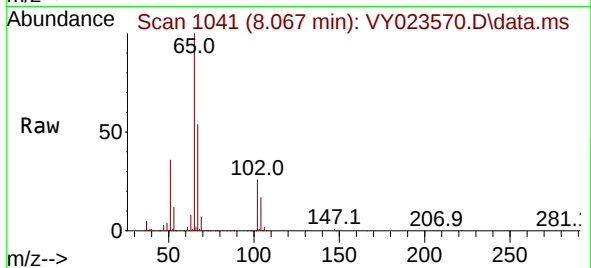
JB-2-VOC

Tgt Ion: 65 Resp: 352355

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: VY023570.D

Acq: 24 Oct 2025 14:04

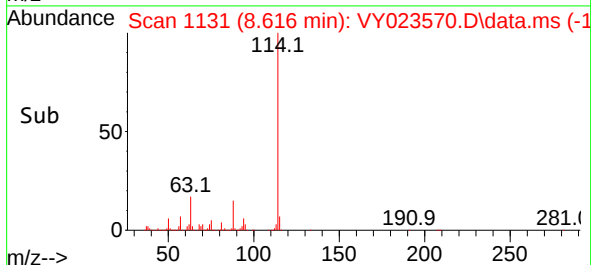
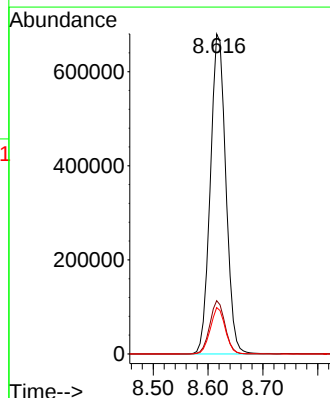
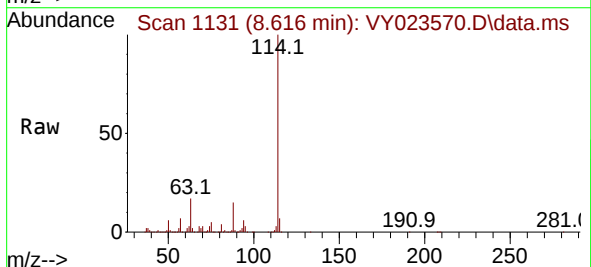
Tgt Ion: 114 Resp: 1332011

Ion Ratio Lower Upper

114 100

63 16.6 0.0 34.2

88 14.5 0.0 28.4

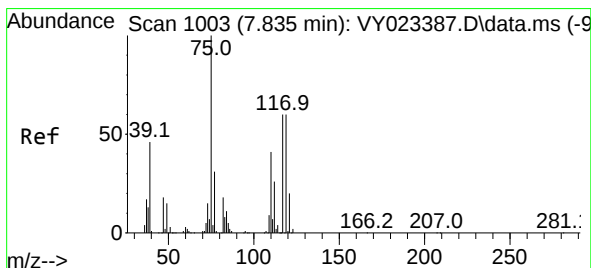
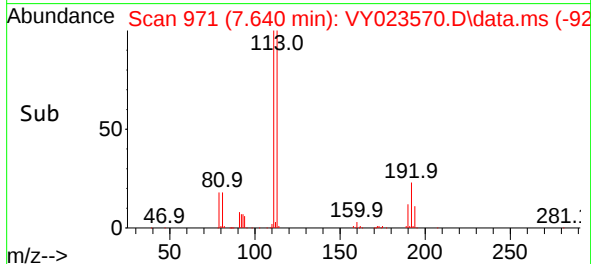
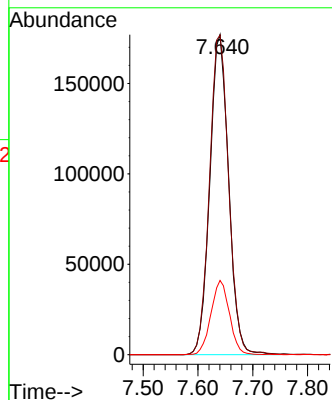
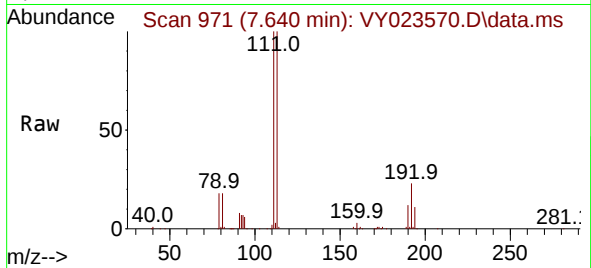




#35
Dibromofluoromethane
Concen: 51.415 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

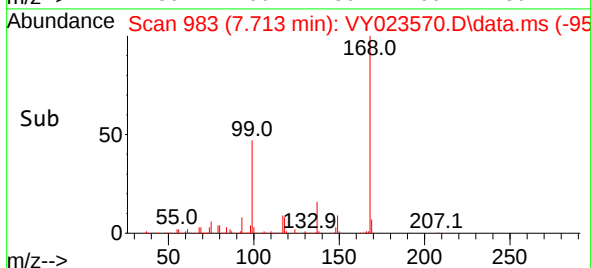
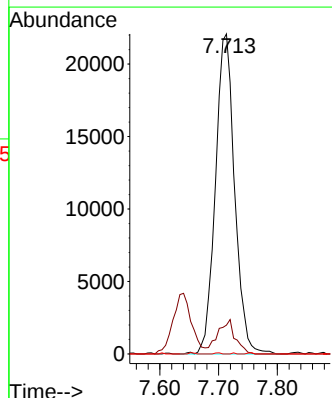
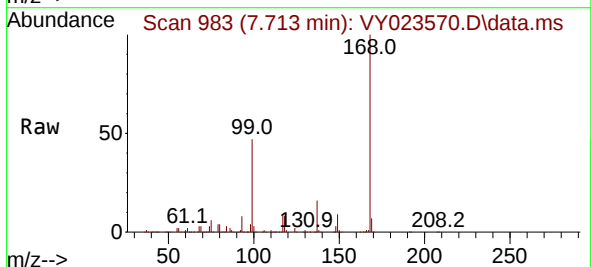
Instrument :
MSVOA_Y
ClientSampleId :
JB-2-VOC

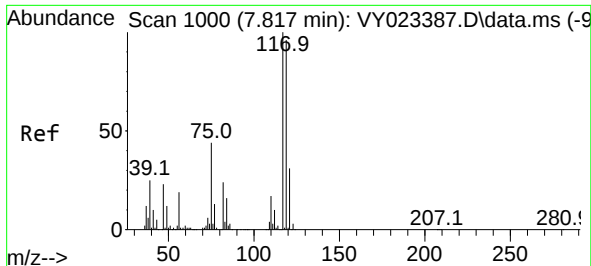
Tgt Ion:113 Resp: 420809
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion: 75 Resp: 50073
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.7#
77 0.1 25.0 37.6#

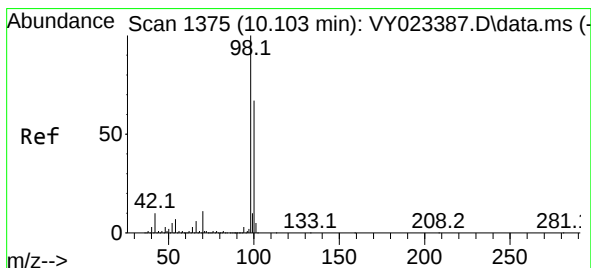
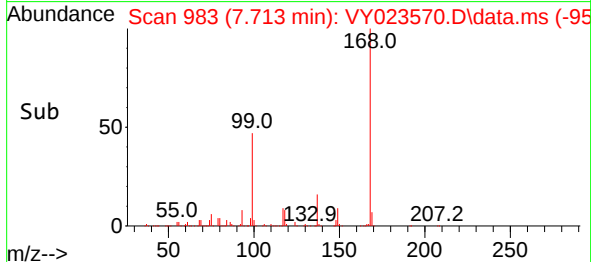
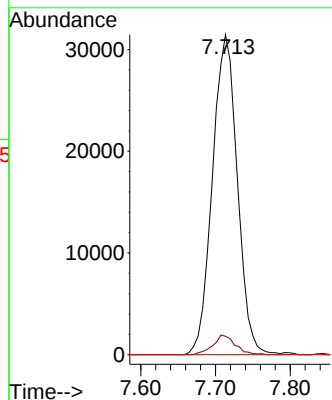
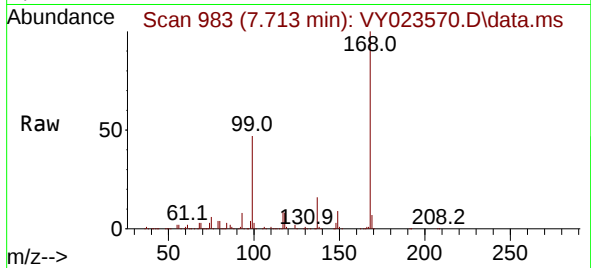




#38
Carbon Tetrachloride
Concen: 5.544 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

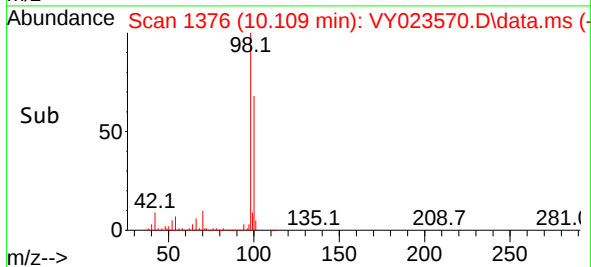
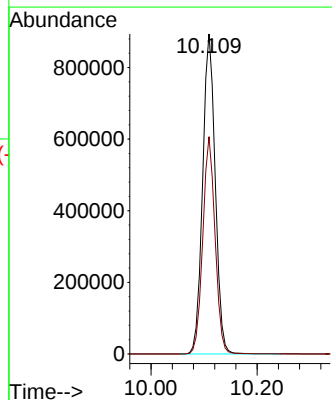
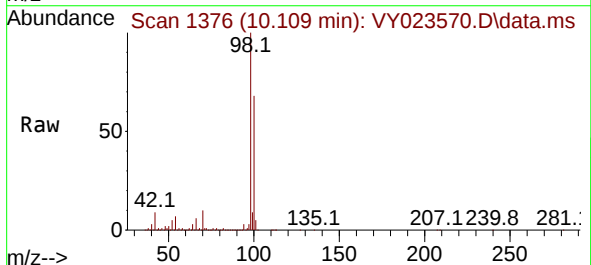
Instrument :
MSVOA_Y
ClientSampleId :
JB-2-VOC

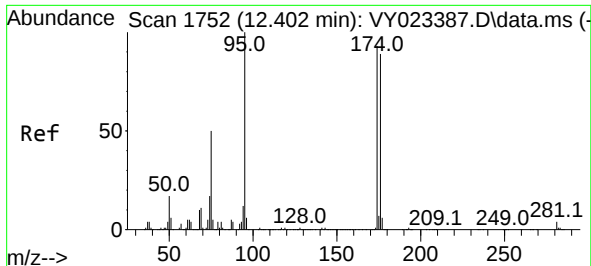
Tgt Ion:117 Resp: 72837
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.339 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion: 98 Resp: 1473386
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4

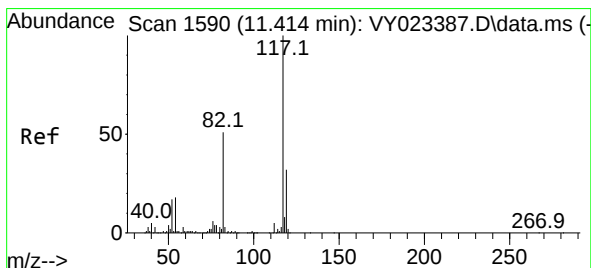
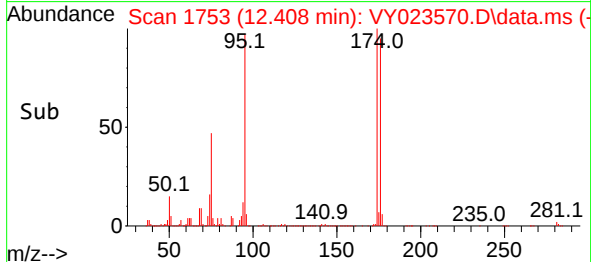
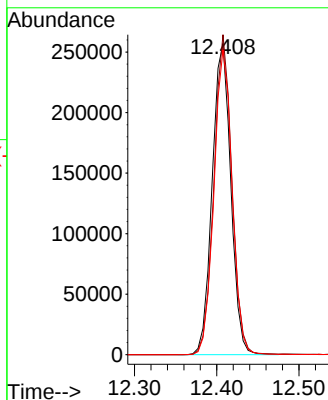
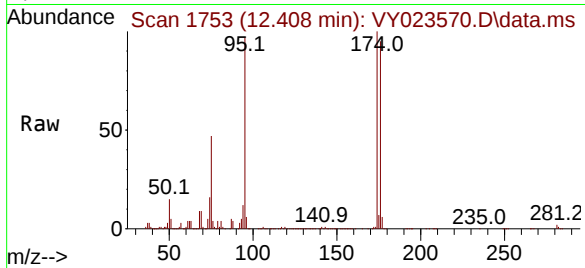




#62
4-Bromofluorobenzene
Concen: 40.085 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

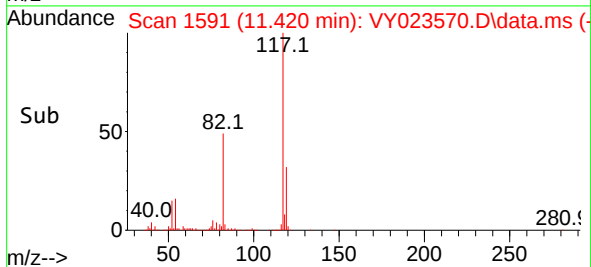
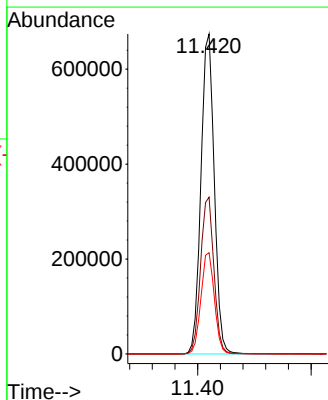
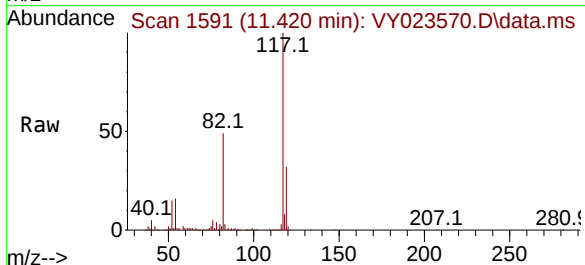
Instrument :
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ClientSampleId :
JB-2-VOC

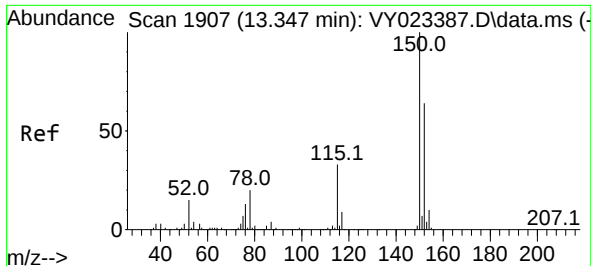
Tgt Ion: 95 Resp: 403373
Ion Ratio Lower Upper
95 100
174 99.8 0.0 192.8
176 96.0 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion: 117 Resp: 1099582
Ion Ratio Lower Upper
117 100
82 49.0 41.0 61.4
119 31.6 25.6 38.4

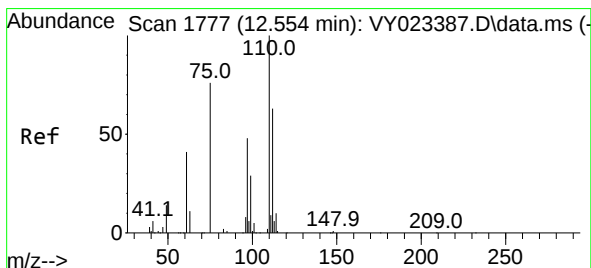
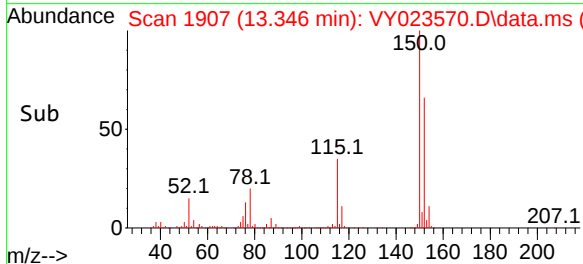
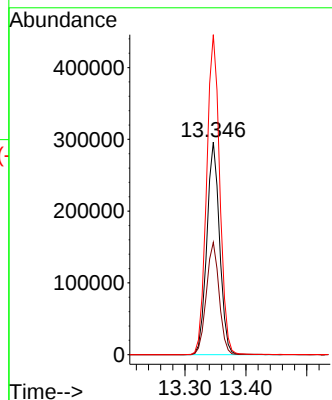
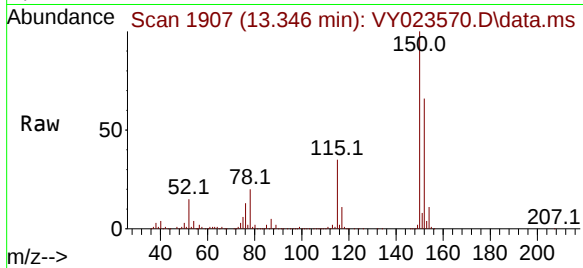




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

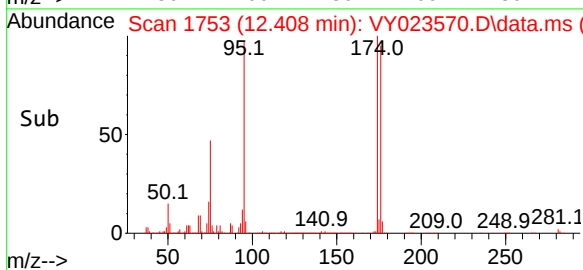
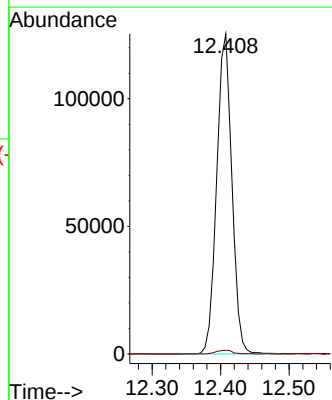
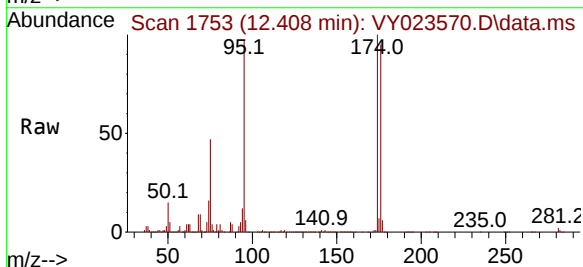
Instrument :
MSVOA_Y
ClientSampleId :
JB-2-VOC

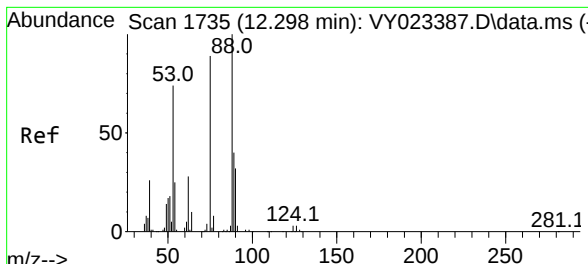
Tgt Ion:152 Resp: 431429
Ion Ratio Lower Upper
152 100
115 53.2 27.1 81.2
150 154.9 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 50.642 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023570.D
Acq: 24 Oct 2025 14:04

Tgt Ion: 75 Resp: 192762
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.184 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023570.D
 Acq: 24 Oct 2025 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 JB-2-VOC

Tgt Ion: 75 Resp: 192762
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

