

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090325\
 Data File : VY023273.D
 Acq On : 03 Sep 2025 12:02
 Operator : SY/MD
 Sample : Q3003-02
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-231

Quant Time: Sep 04 01:17:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

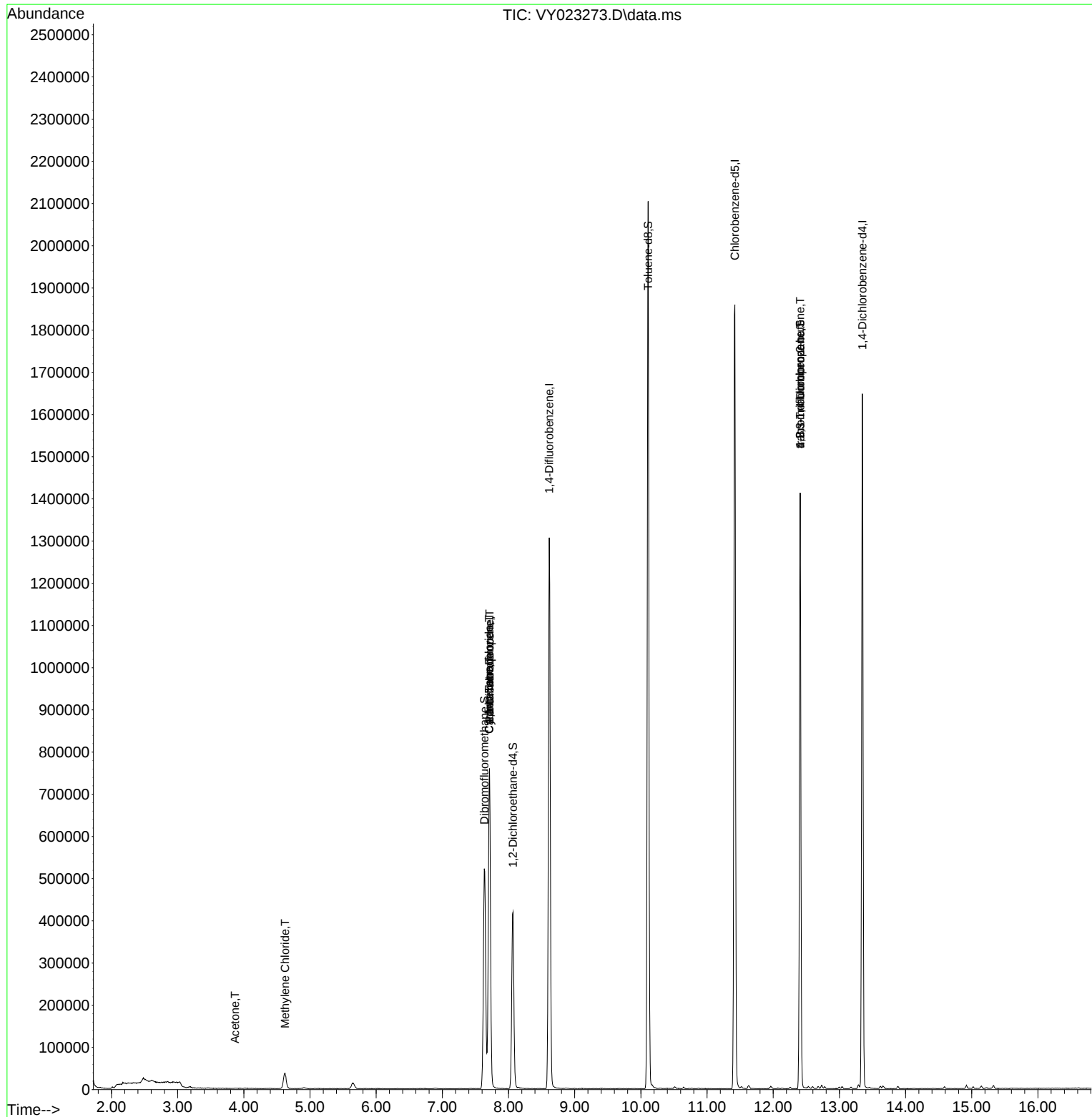
Internal Standards						
1) Pentafluorobenzene	7.713	168	613498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1153597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1060182	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	427008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	336077	57.478	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.960%	
35) Dibromofluoromethane	7.634	113	378157	54.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.560%	
50) Toluene-d8	10.109	98	1386836	51.429	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	12.408	95	413939	47.731	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.460%	
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	1479	1.168	ug/l #	63
20) Methylene Chloride	4.623	84	29357	1.842	ug/l	96
31) Cyclohexane	7.707	56	11878	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	44034	4.292	ug/l #	49
38) Carbon Tetrachloride	7.707	117	58421	5.243	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	206831	50.189	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	206831	121.490	ug/l #	14

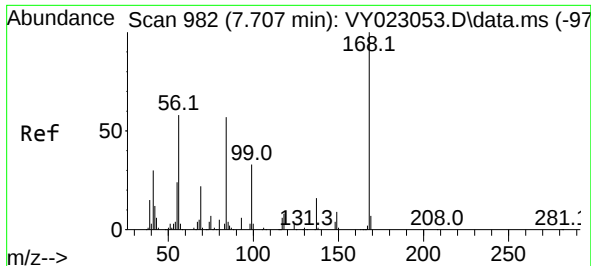
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

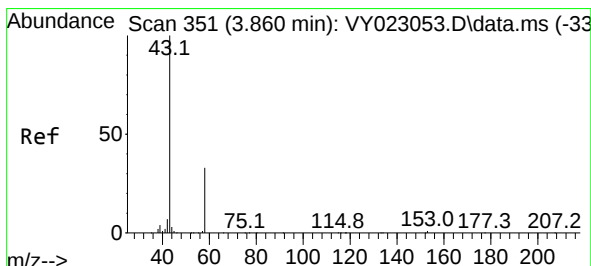
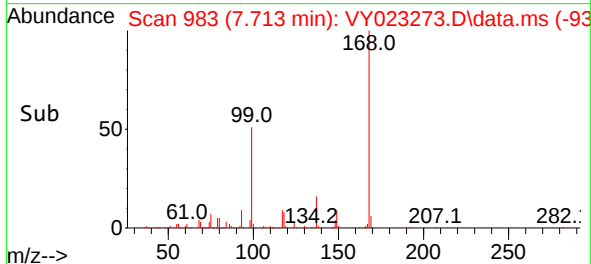
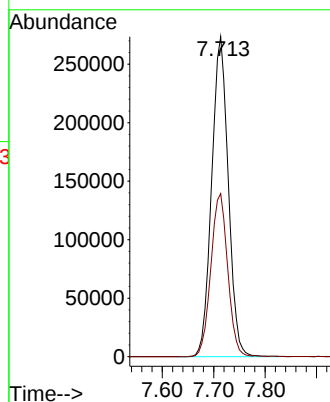
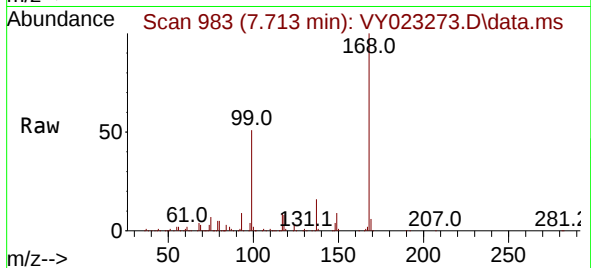




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

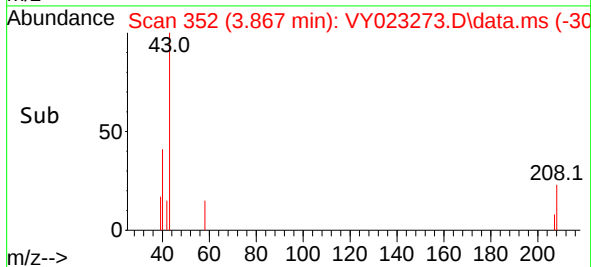
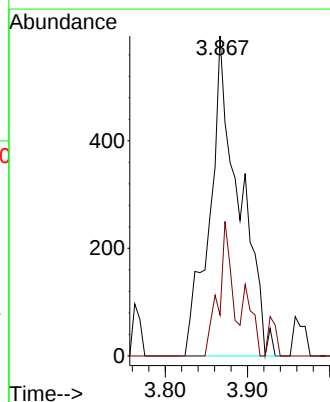
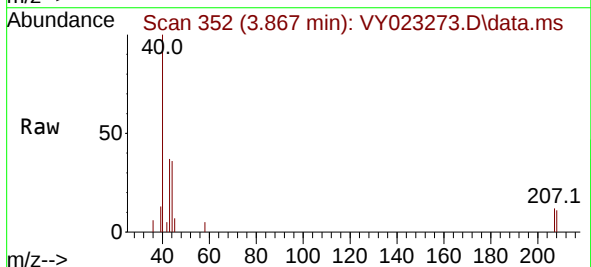
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

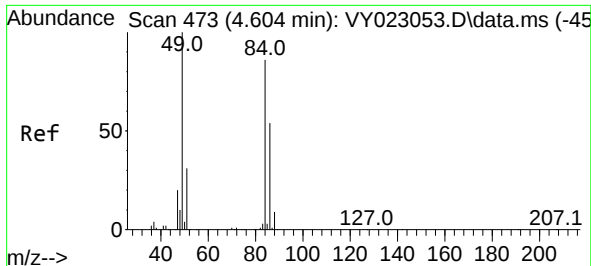
Tgt Ion:168 Resp: 613498
Ion Ratio Lower Upper
168 100
99 51.0 42.8 64.2



#16
Acetone
Concen: 1.168 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
58 12.8 27.1 40.7#

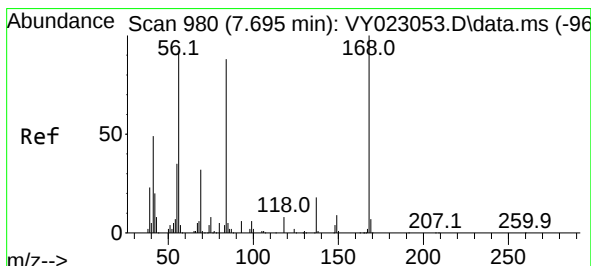
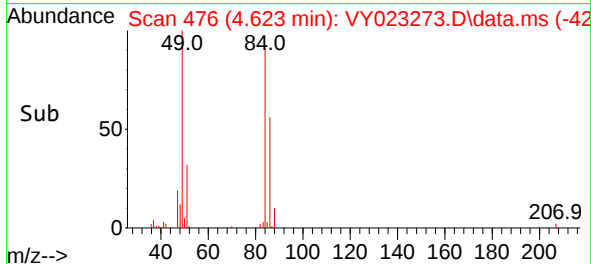
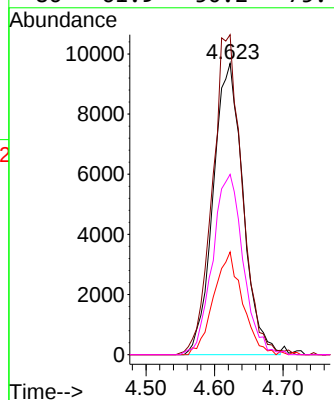
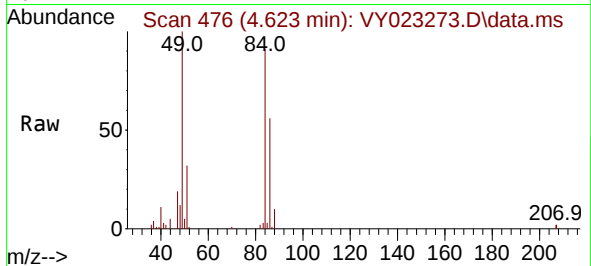




#20
Methylene Chloride
Concen: 1.842 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

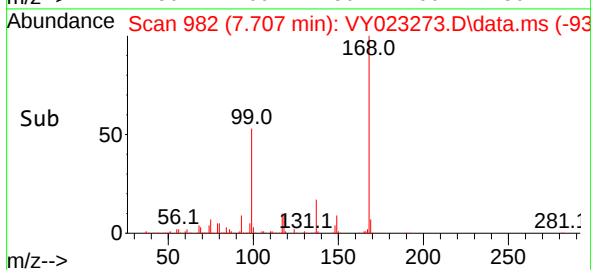
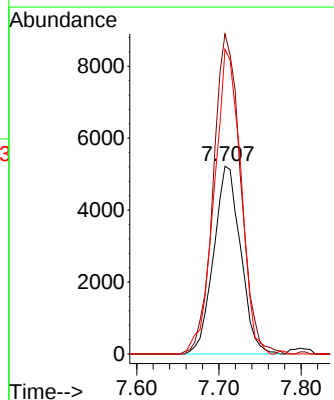
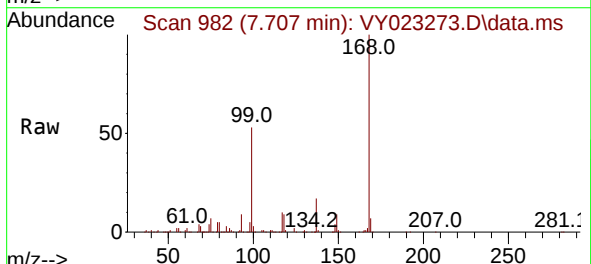
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

Tgt Ion:	84	Resp:	29357
Ion	Ratio	Lower	Upper
84	100		
49	109.3	93.0	139.6
51	35.3	29.0	43.4
86	61.9	50.2	75.4



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

Tgt Ion:	56	Resp:	11878
Ion	Ratio	Lower	Upper
56	100		
69	170.5	28.2	42.2#
84	162.3	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 57.478 ug/l

RT: 8.067 min Scan# 1103

Delta R.T. 0.012 min

Lab File: VY023273.D

Acq: 03 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

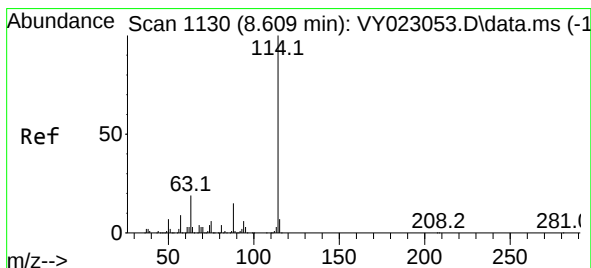
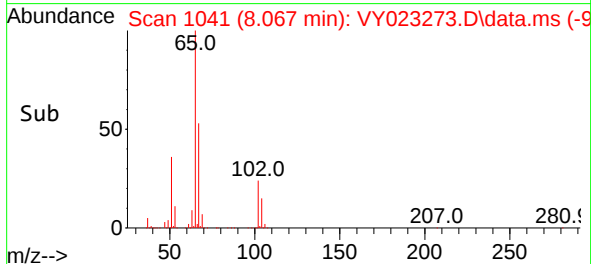
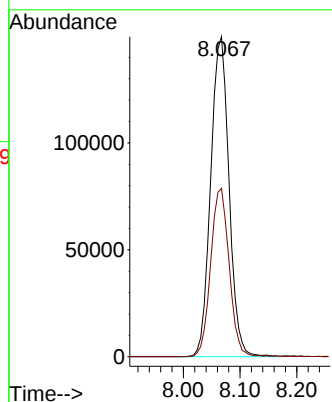
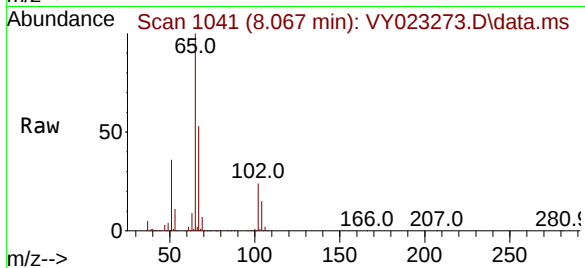
VNJ-231

Tgt Ion: 65 Resp: 336077

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023273.D

Acq: 03 Sep 2025 12:02

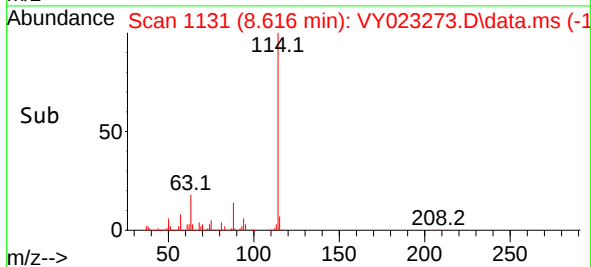
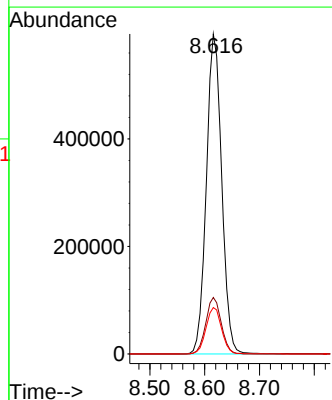
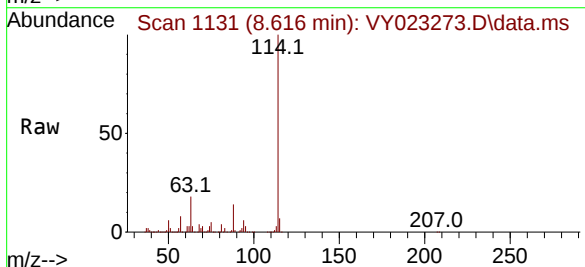
Tgt Ion: 114 Resp: 1153597

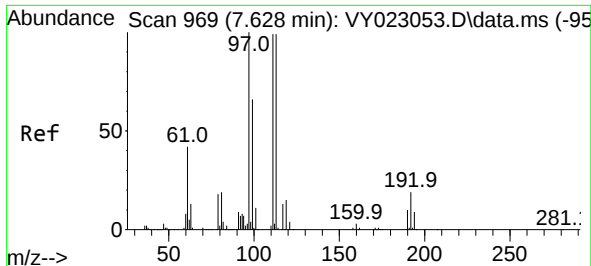
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

88 14.5 0.0 30.0

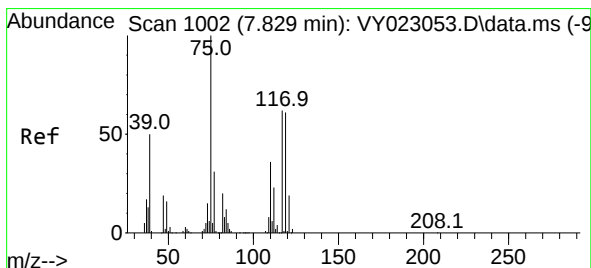
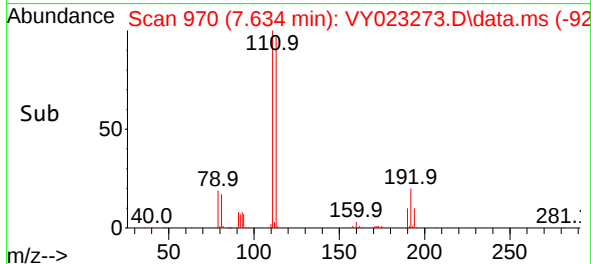
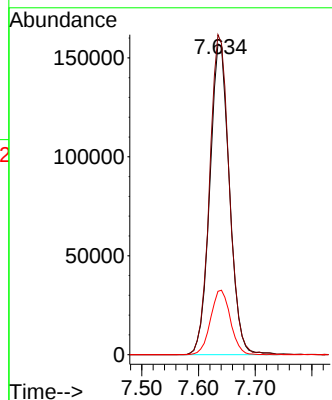
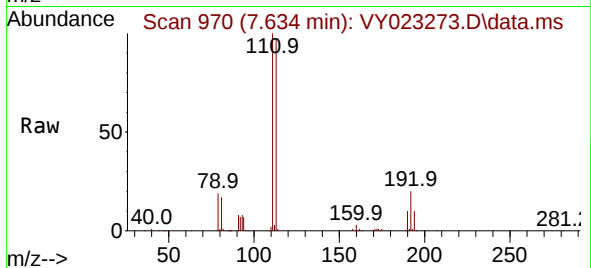




#35
Dibromofluoromethane
Concen: 54.783 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

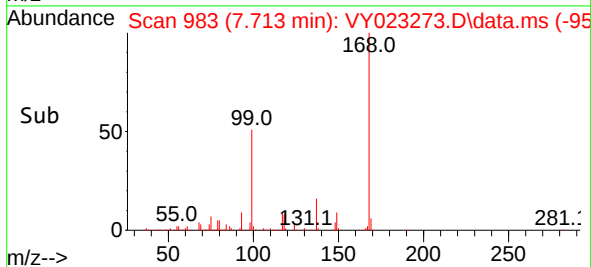
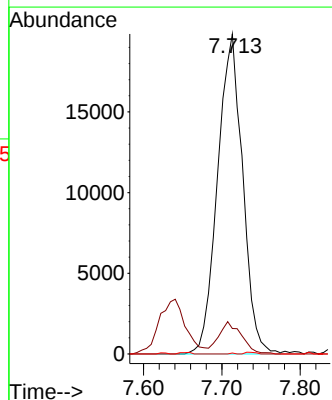
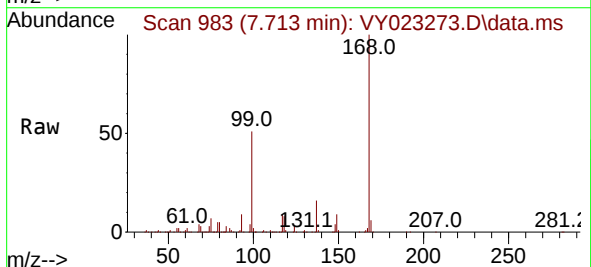
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-231

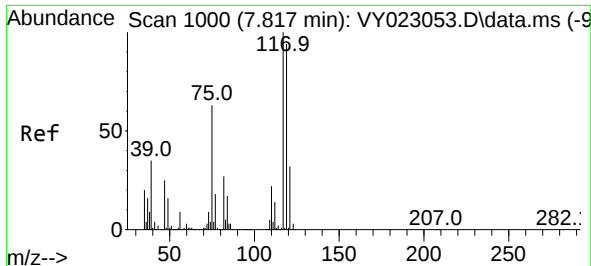
Tgt Ion:113 Resp: 378157
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 20.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.292 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.116 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

Tgt Ion: 75 Resp: 44034
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.1 24.6 37.0#

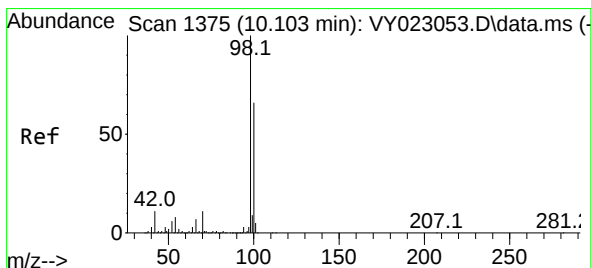
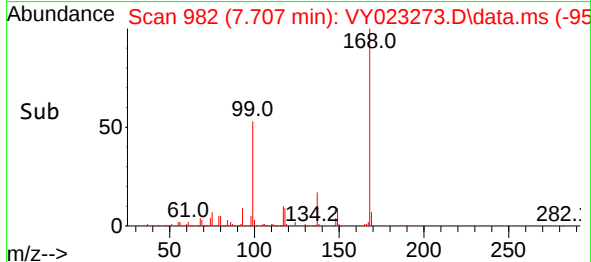
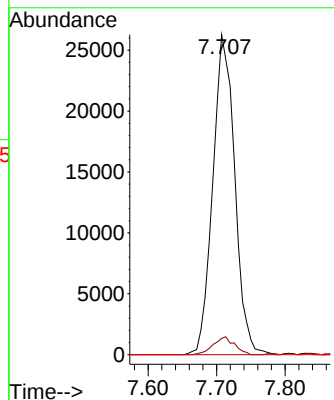
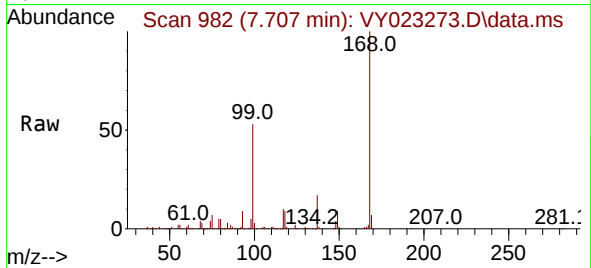




#38
Carbon Tetrachloride
Concen: 5.243 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

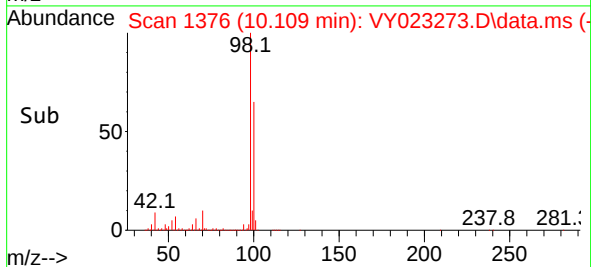
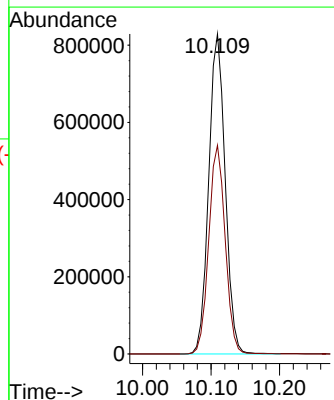
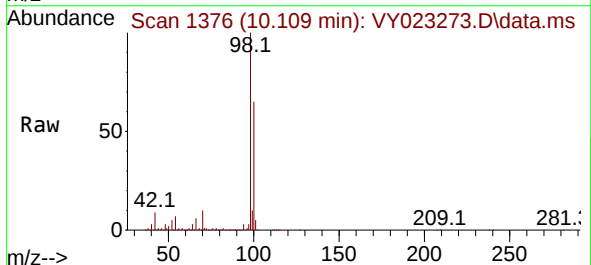
Instrument :
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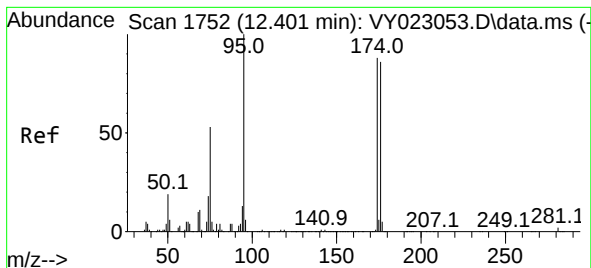
Tgt Ion:117 Resp: 58421
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.429 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

Tgt Ion: 98 Resp: 1386836
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5

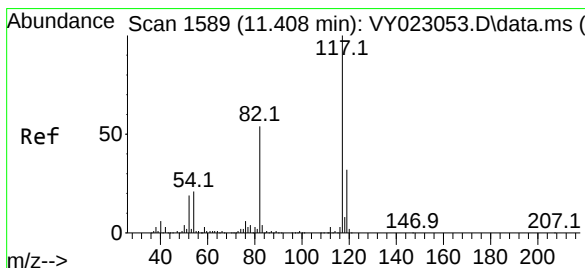
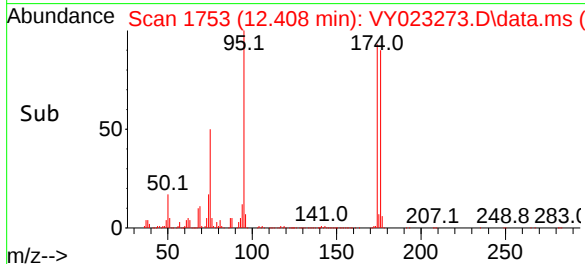
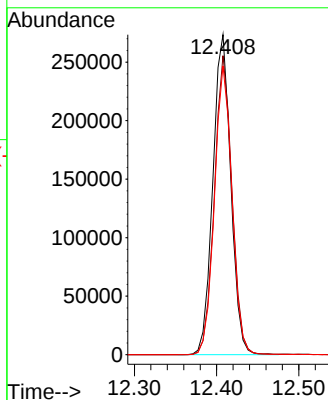
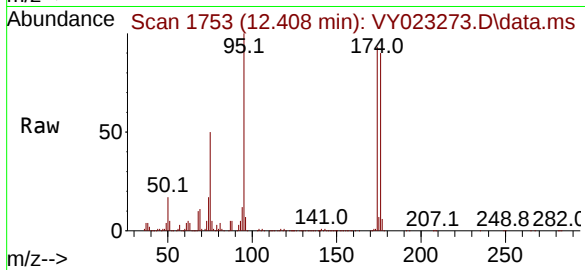




#62
4-Bromofluorobenzene
Concen: 47.731 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

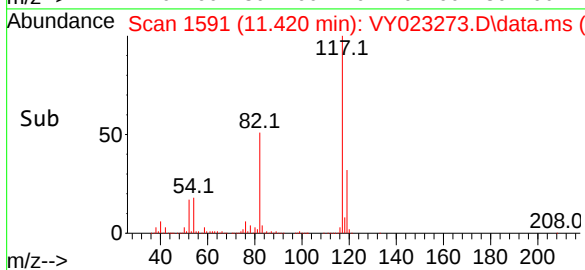
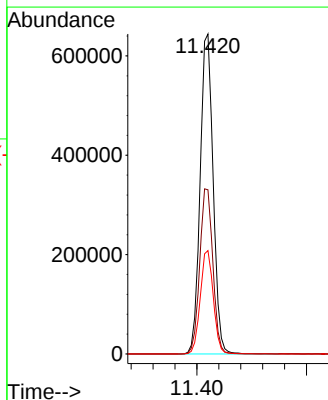
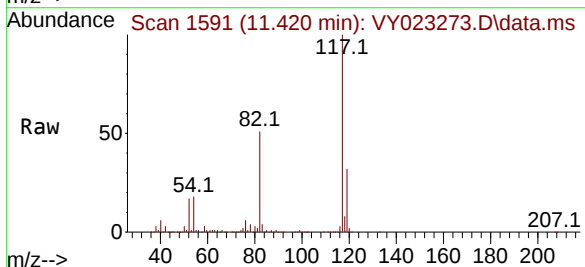
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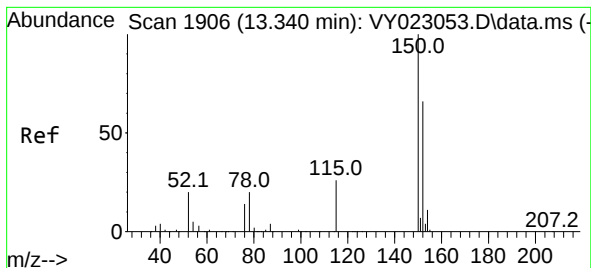
Tgt Ion: 95 Resp: 413939
Ion Ratio Lower Upper
95 100
174 91.9 0.0 171.6
176 88.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023273.D
Acq: 03 Sep 2025 12:02

Tgt Ion: 117 Resp: 1060182
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.0
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023273.D

Acq: 03 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-231

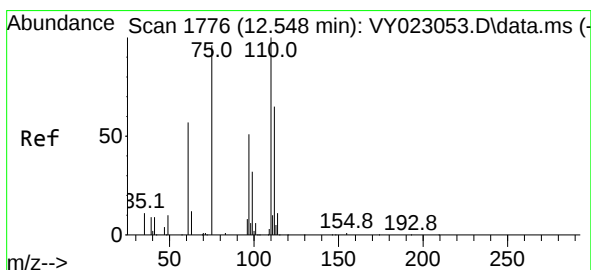
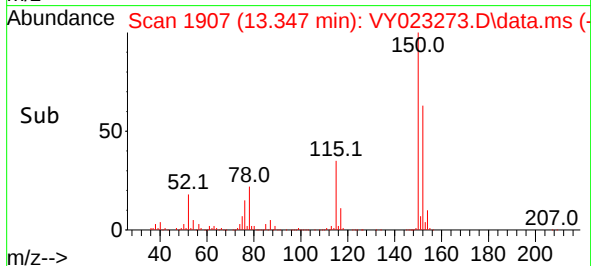
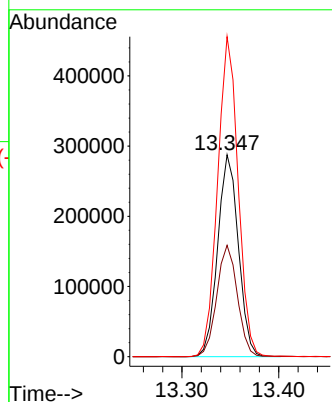
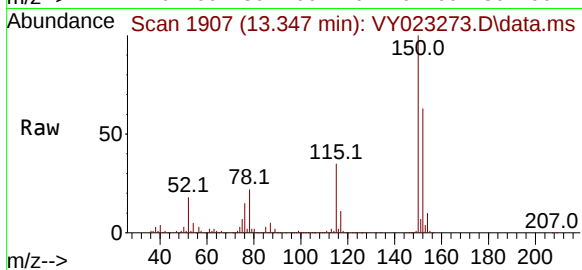
Tgt Ion:152 Resp: 427008

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.6

150 157.2 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.189 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023273.D

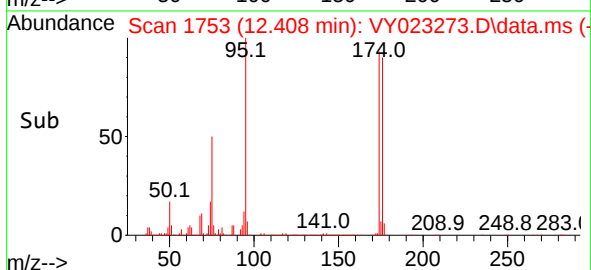
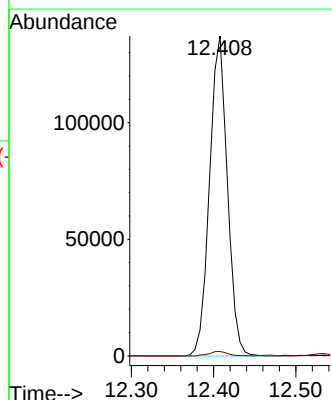
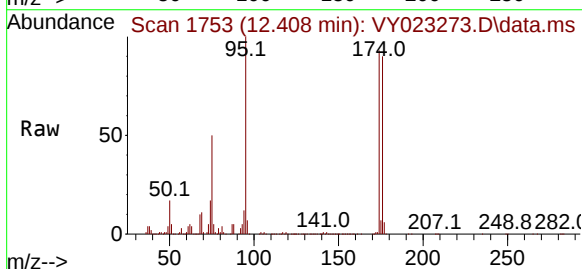
Acq: 03 Sep 2025 12:02

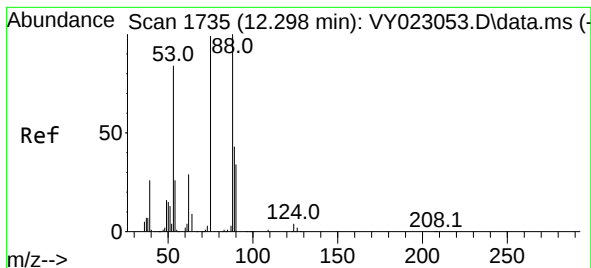
Tgt Ion: 75 Resp: 206831

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.490 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023273.D
 Acq: 03 Sep 2025 12:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-231

Tgt Ion: 75 Resp: 206831
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

