

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022459.D
 Acq On : 29 May 2025 12:02
 Operator : SY/MD
 Sample : Q2147-01
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: May 30 05:33:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

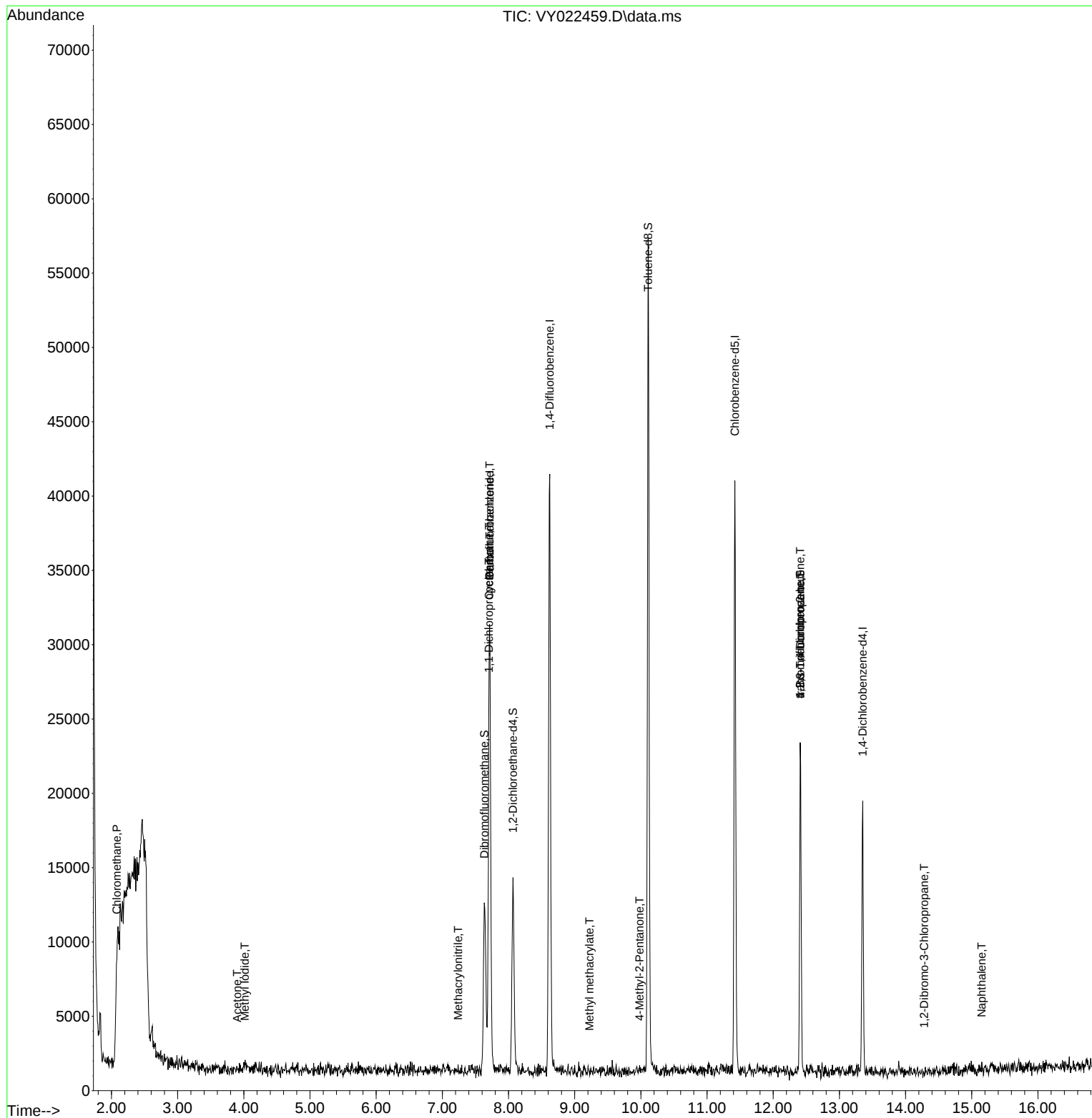
Internal Standards						
1) Pentafluorobenzene	7.713	168	22984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	34413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	20399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	4357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	9314	38.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.940%
35) Dibromofluoromethane	7.634	113	8261	40.991	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.980%
50) Toluene-d8	10.109	98	36296	44.179	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.360%
62) 4-Bromofluorobenzene	12.408	95	5950	23.943	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.080	50	662	1.227	ug/l #	67
10) Methyl Iodide	4.013	142	469	1.714	ug/l	98
16) Acetone	3.897	43	185	4.650	ug/l #	49
31) Cyclohexane	7.707	56	798	1.714	ug/l #	52
36) 1,1-Dichloropropene	7.701	75	2129	6.657	ug/l #	42
38) Carbon Tetrachloride	7.713	117	2461	7.387	ug/l #	12
41) Methacrylonitrile	7.238	41	120	1.455	ug/l #	50
48) Methyl methacrylate	9.225	41	154	1.117	ug/l #	17
51) 4-Methyl-2-Pentanone	9.981	43	151	1.030	ug/l #	36
76) 1,2,3-Trichloropropane	12.408	75	3743	85.765	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	3743	193.954	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.279	75	18	2.156	ug/l #	1
95) Naphthalene	15.151	128	191	1.503	ug/l #	70

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

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Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

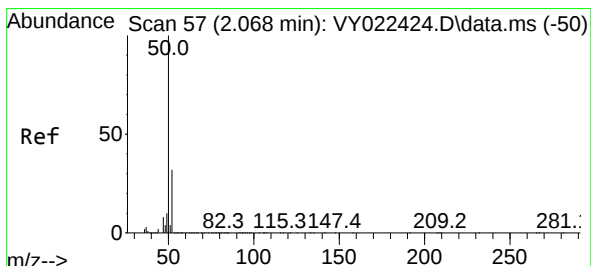
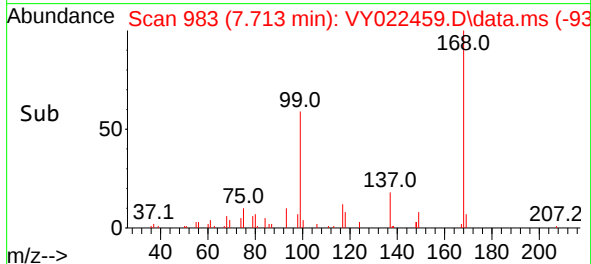
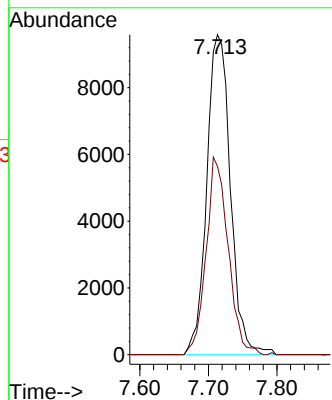
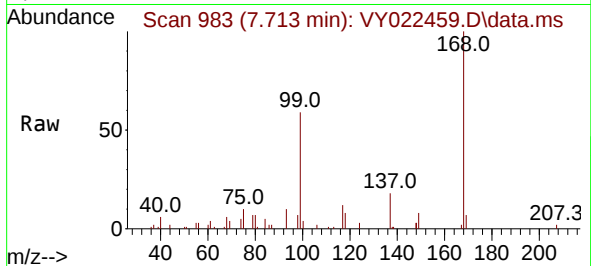




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

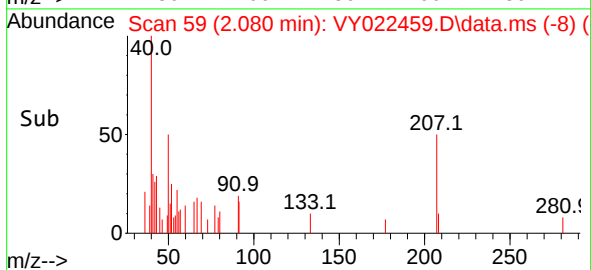
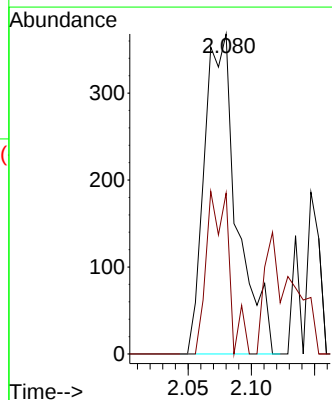
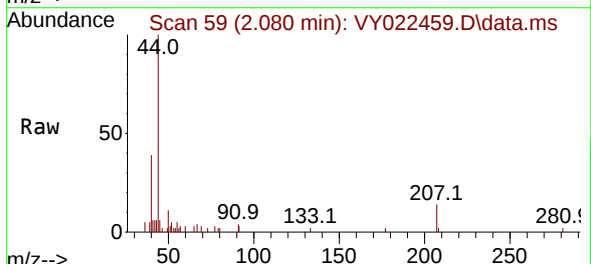
Instrument :
MSVOA_Y
ClientSampleId :
VOC

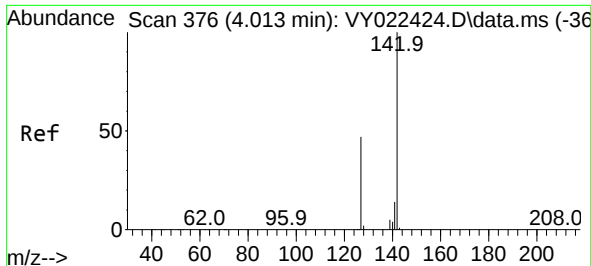
Tgt Ion:168 Resp: 22984
Ion Ratio Lower Upper
168 100
99 58.9 44.7 67.1



#3
Chloromethane
Concen: 1.227 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.012 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

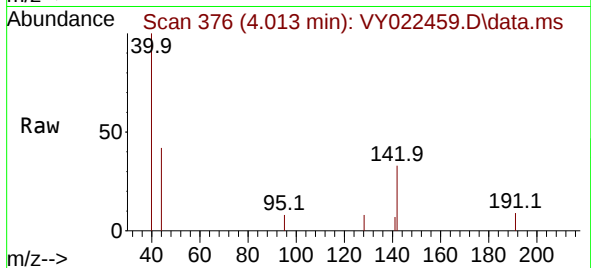
Tgt Ion: 50 Resp: 662
Ion Ratio Lower Upper
50 100
52 50.3 25.5 38.3#



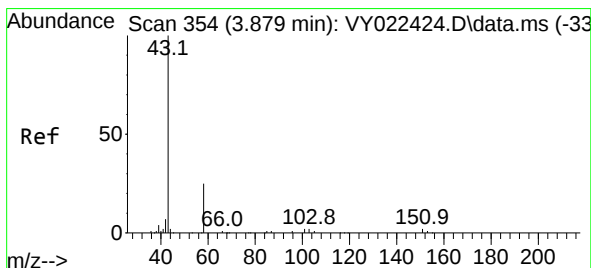
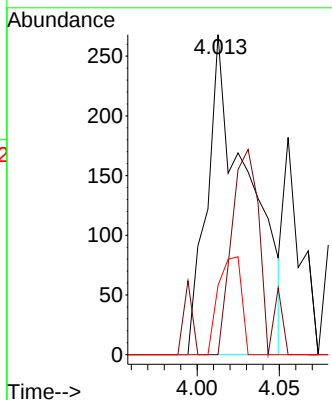
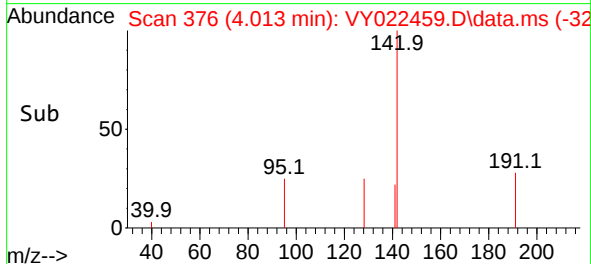


#10
Methyl Iodide
Concen: 1.714 ug/l
RT: 4.013 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VOC

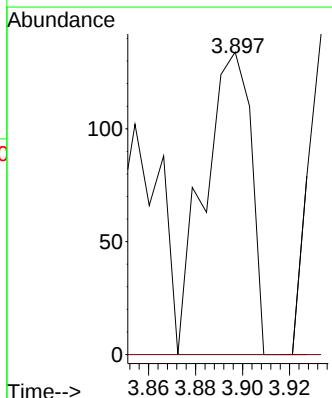
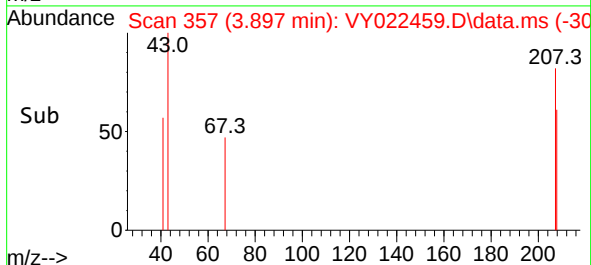
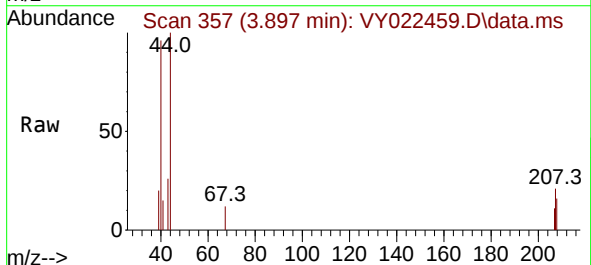


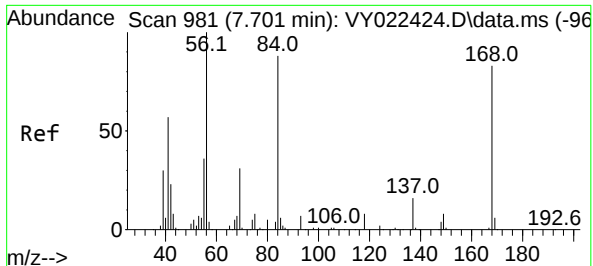
Tgt Ion:142 Resp: 469
Ion Ratio Lower Upper
142 100
127 45.6 36.2 54.4
141 17.1 11.6 17.4



#16
Acetone
Concen: 4.650 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.018 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
58 0.0 20.6 30.8#

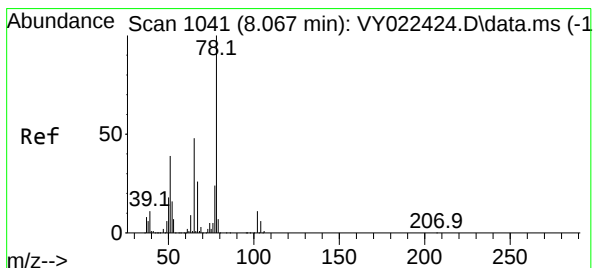
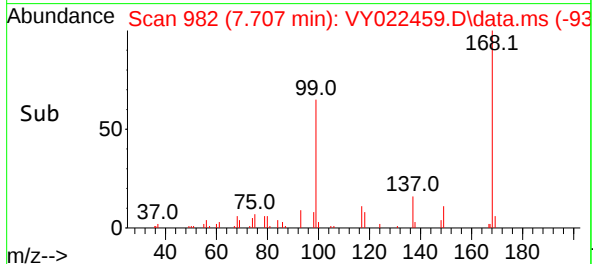
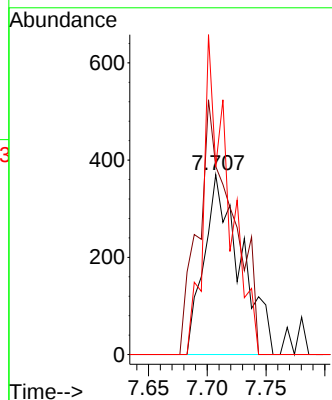
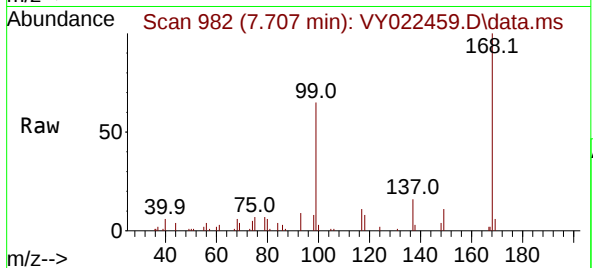




#31
Cyclohexane
Concen: 1.714 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

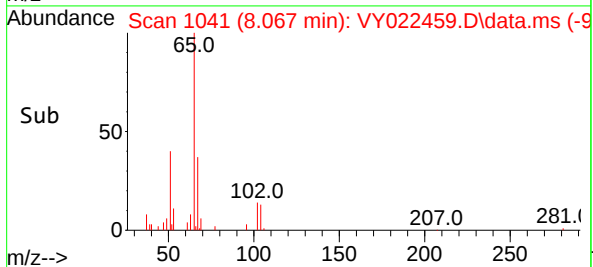
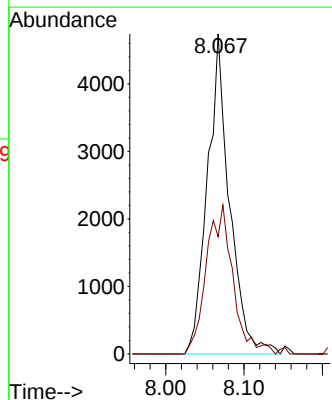
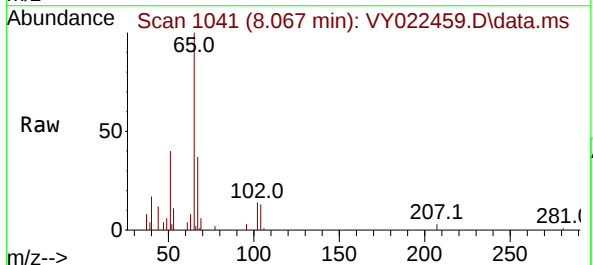
Instrument :
MSVOA_Y
ClientSampleId :
VOC

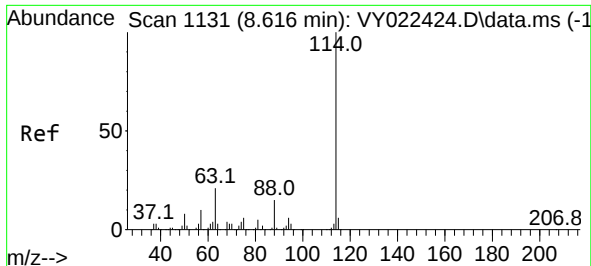
Tgt Ion: 56 Resp: 798
Ion Ratio Lower Upper
56 100
69 104.6 24.6 36.8#
84 104.3 70.4 105.6



#33
1,2-Dichloroethane-d4
Concen: 38.473 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion: 65 Resp: 9314
Ion Ratio Lower Upper
65 100
67 55.7 0.0 104.4

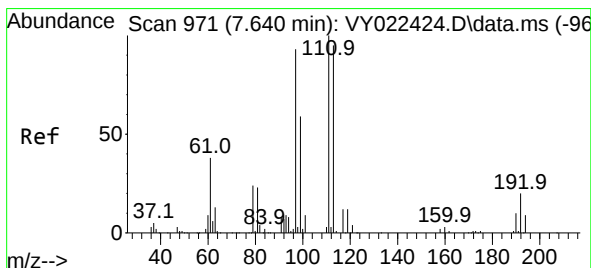
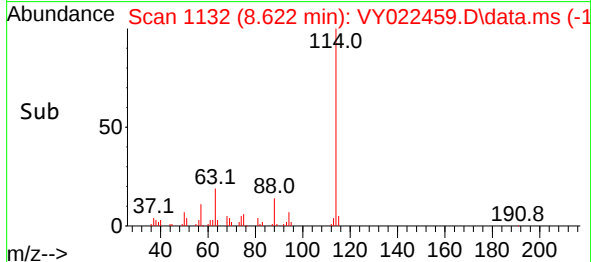
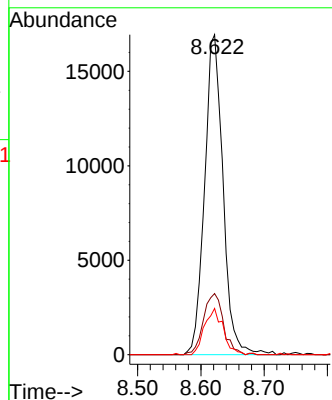
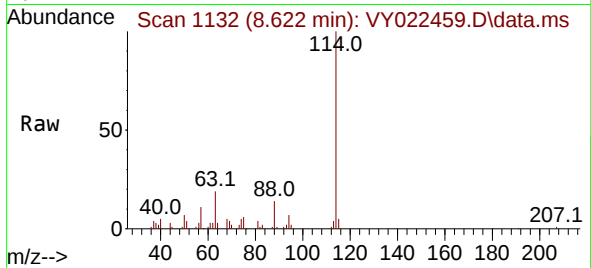




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

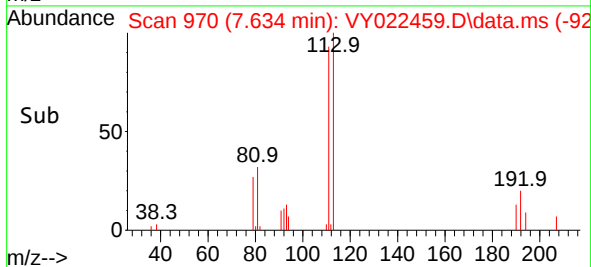
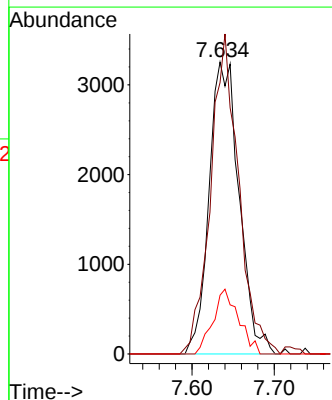
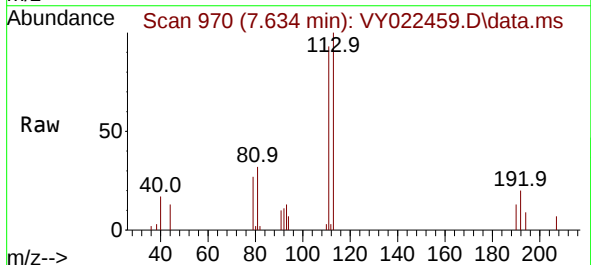
Instrument :
MSVOA_Y
ClientSampleId :
VOC

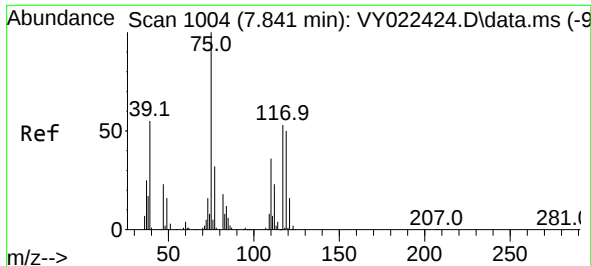
Tgt Ion:114 Resp: 34413
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.6
88 14.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 40.991 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion:113 Resp: 8261
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 19.0 15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.657 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022459.D

Acq: 29 May 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VOC

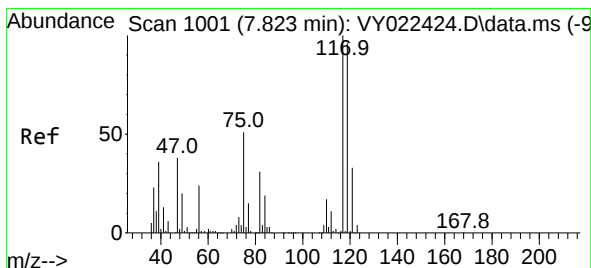
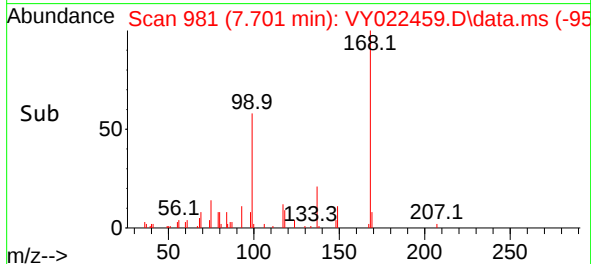
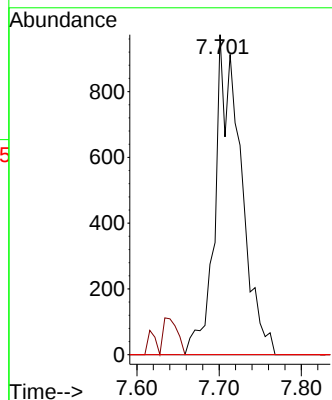
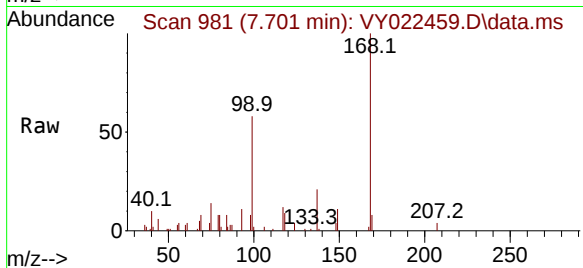
Tgt Ion: 75 Resp: 2129

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.387 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY022459.D

Acq: 29 May 2025 12:02

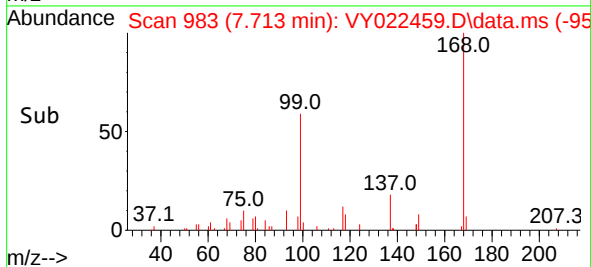
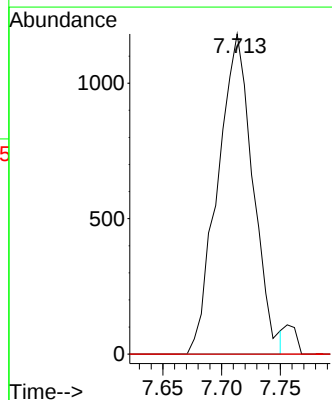
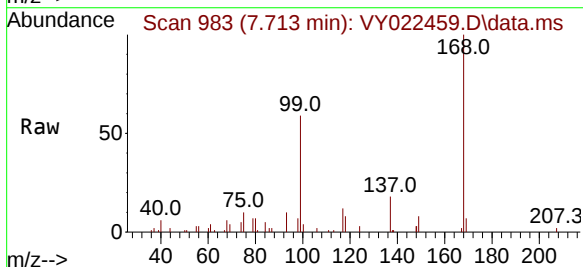
Tgt Ion: 117 Resp: 2461

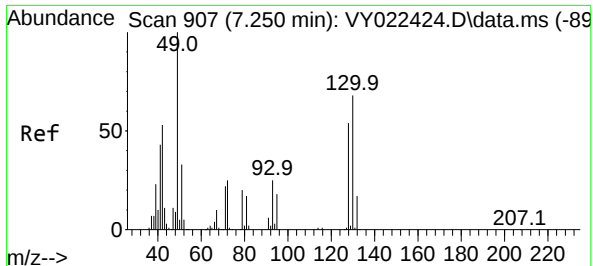
Ion Ratio Lower Upper

117 100

119 0.0 76.3 114.5#

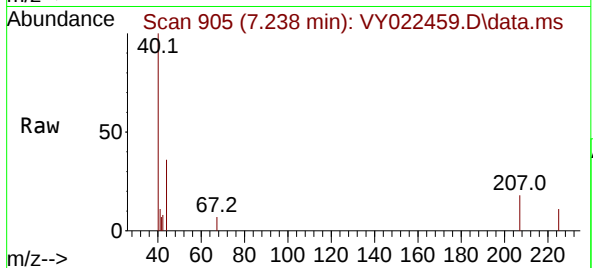
121 0.0 26.1 39.1#



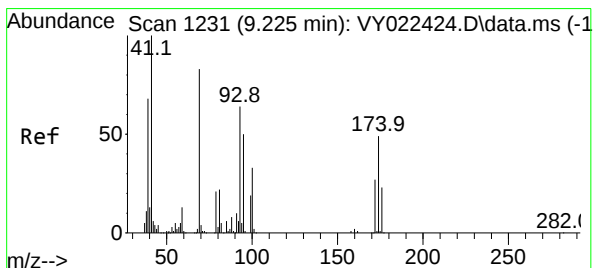
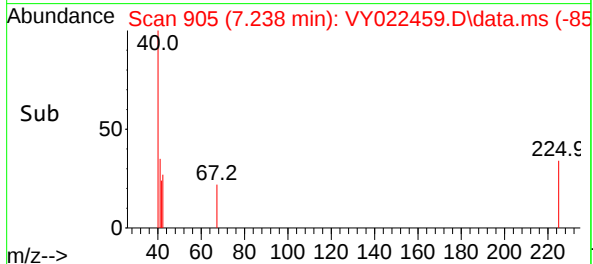
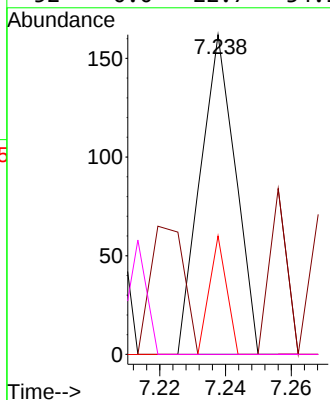


#41
Methacrylonitrile
Concen: 1.455 ug/l
RT: 7.238 min Scan# 907
Delta R.T. -0.012 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Instrument :
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ClientSampleId :
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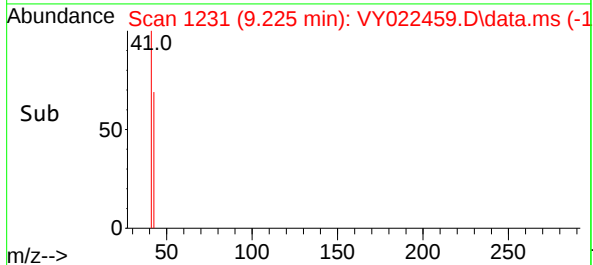
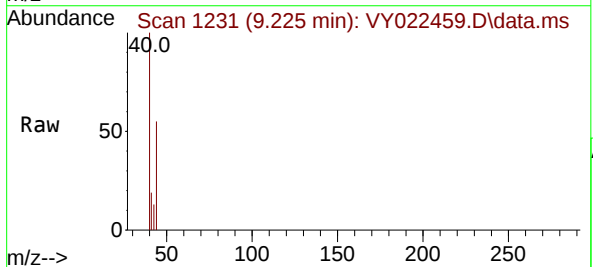
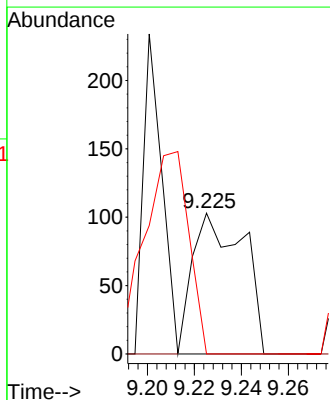


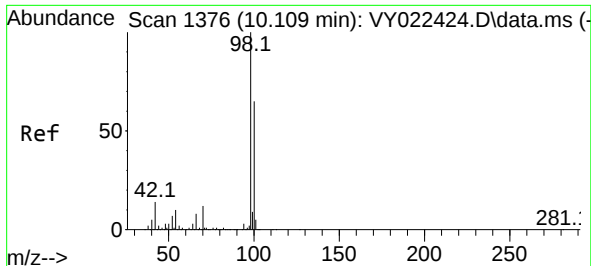
Tgt Ion:	41	Resp:	120
Ion	Ratio	Lower	Upper
41	100		
39	25.8	40.4	60.6#
67	18.3	53.0	79.4#
52	0.0	22.7	34.1#



#48
Methyl methacrylate
Concen: 1.117 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion:	41	Resp:	154
Ion	Ratio	Lower	Upper
41	100		
69	0.0	70.3	105.5#
39	124.7	55.4	83.0#

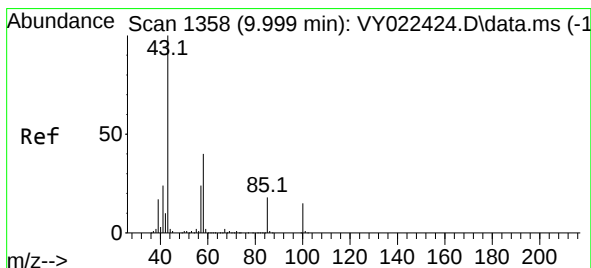
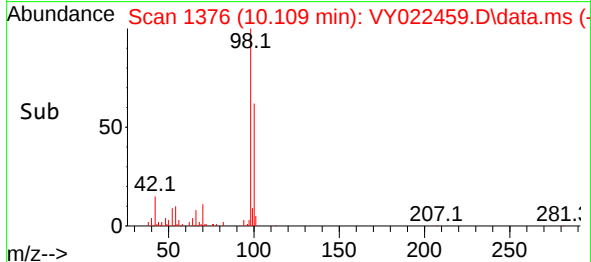
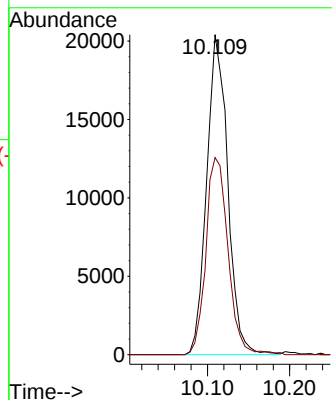
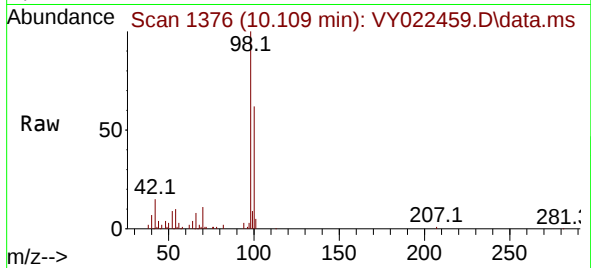




#50
Toluene-d8
Concen: 44.179 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

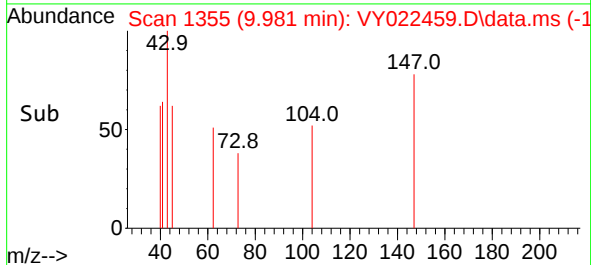
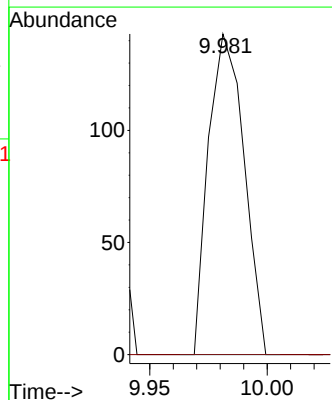
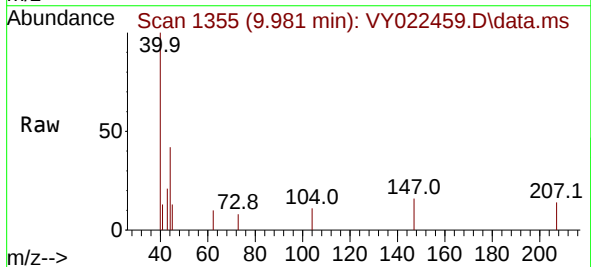
Instrument :
MSVOA_Y
ClientSampleId :
VOC

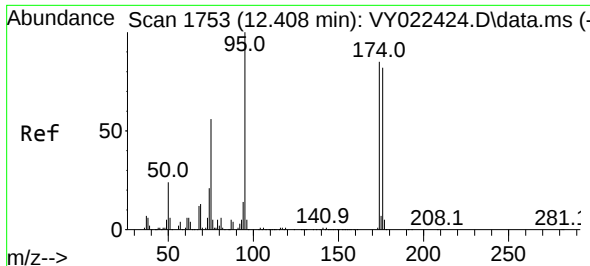
Tgt Ion: 98 Resp: 36296
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.030 ug/l
RT: 9.981 min Scan# 1355
Delta R.T. -0.018 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion: 43 Resp: 151
Ion Ratio Lower Upper
43 100
58 0.0 31.2 46.8#

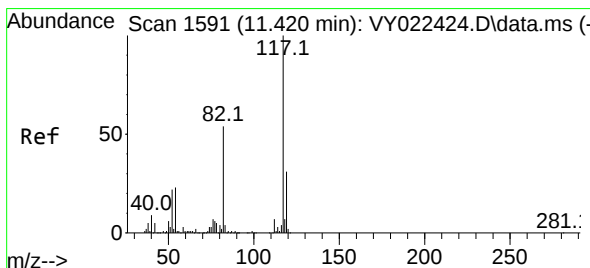
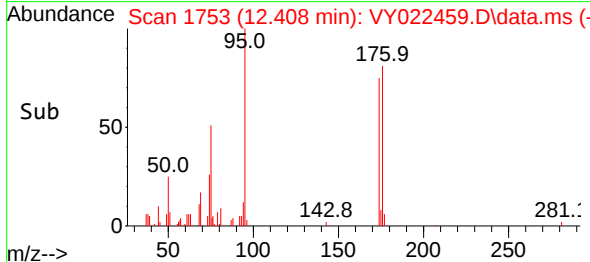
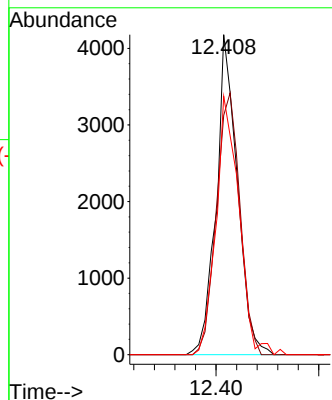
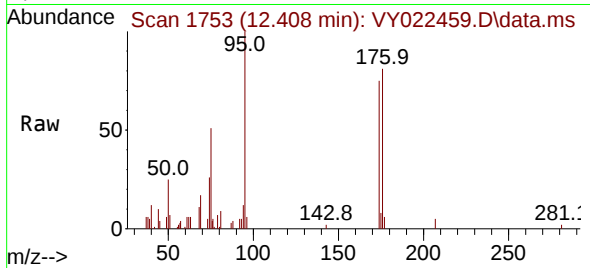




#62
4-Bromofluorobenzene
Concen: 23.943 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

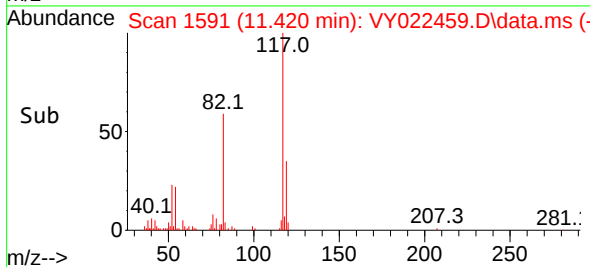
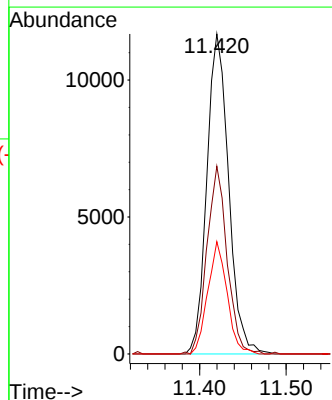
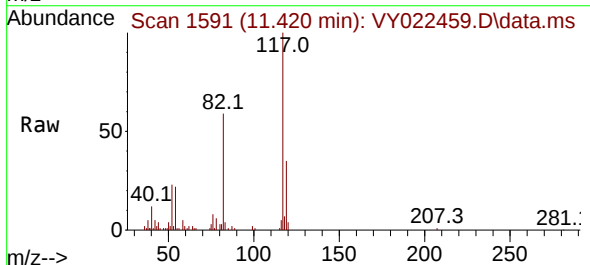
Instrument :
MSVOA_Y
ClientSampleId :
VOC

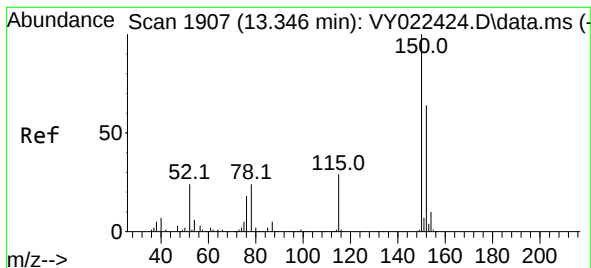
Tgt Ion:	95	Resp:	5950
Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	171.6
176	88.1	0.0	164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY022459.D
Acq: 29 May 2025 12:02

Tgt Ion:	117	Resp:	20399
Ion	Ratio	Lower	Upper
117	100		
82	58.7	43.3	64.9
119	35.1	24.5	36.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022459.D

Acq: 29 May 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VOC

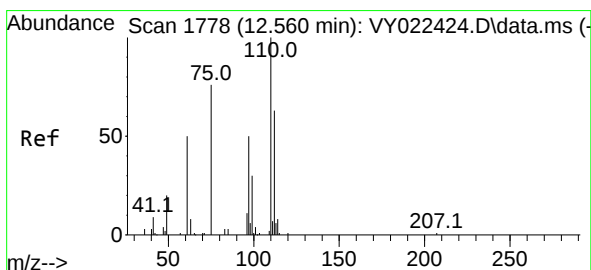
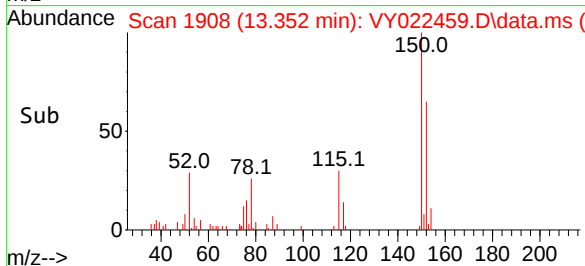
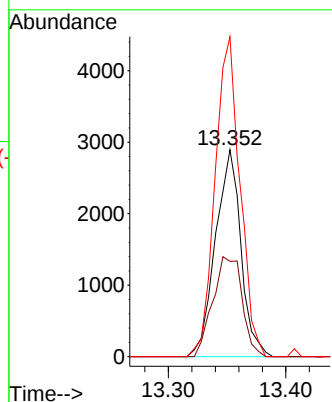
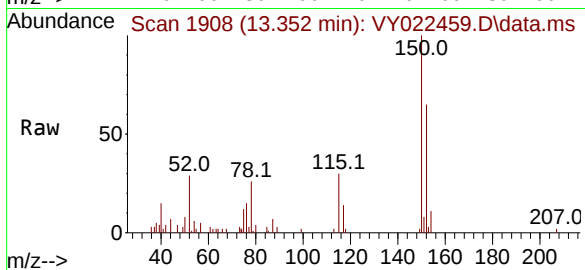
Tgt Ion:152 Resp: 4357

Ion Ratio Lower Upper

152 100

115 55.6 28.4 85.3

150 151.0 0.0 345.8



#76

1,2,3-Trichloropropane

Concen: 85.765 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY022459.D

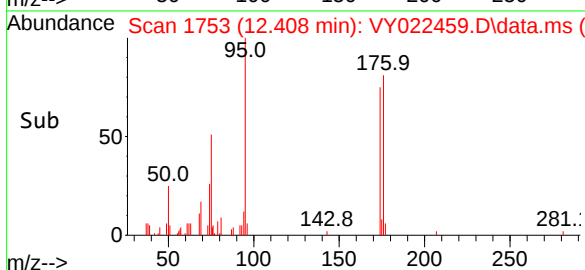
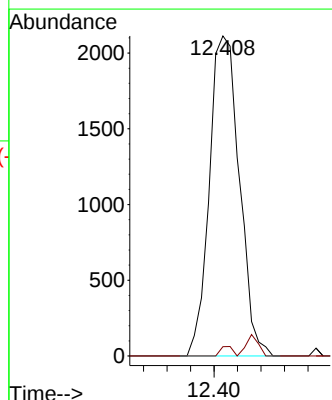
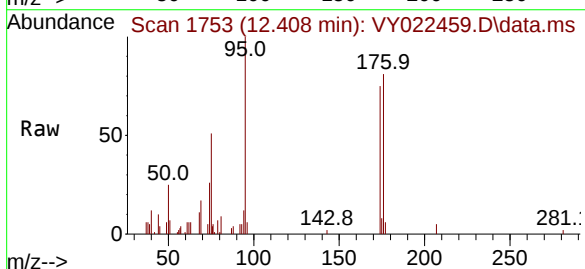
Acq: 29 May 2025 12:02

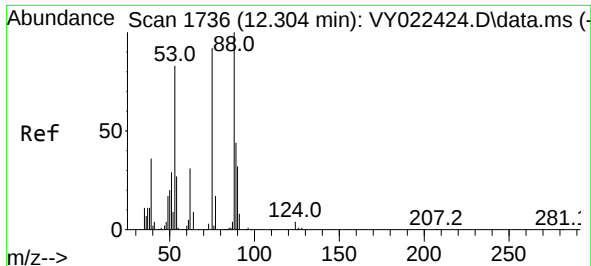
Tgt Ion: 75 Resp: 3743

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

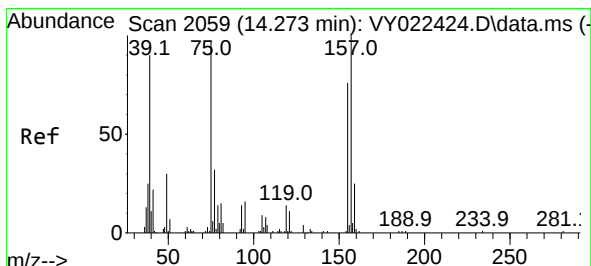
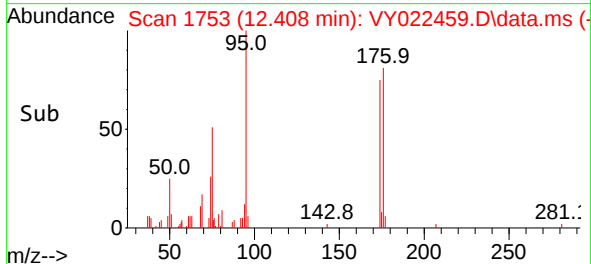
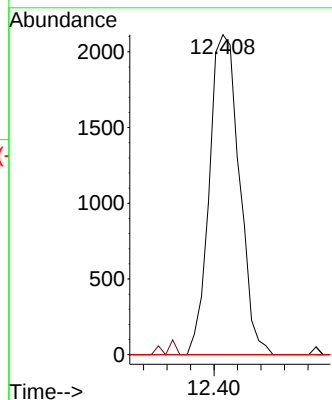
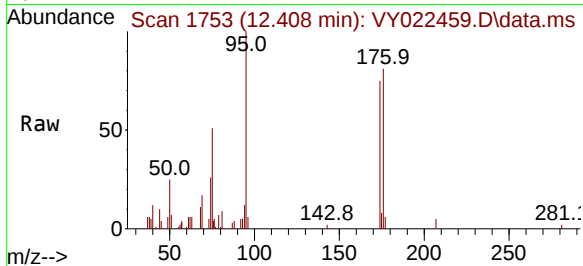




#81
 trans-1,4-Dichloro-2-butene
 Concen: 193.954 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022459.D
 Acq: 29 May 2025 12:02

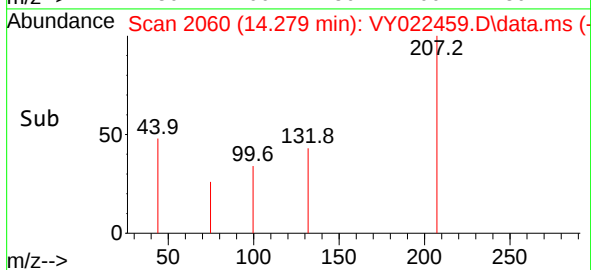
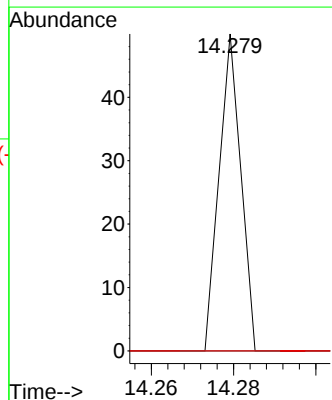
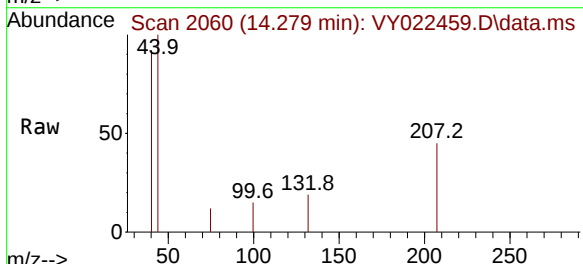
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

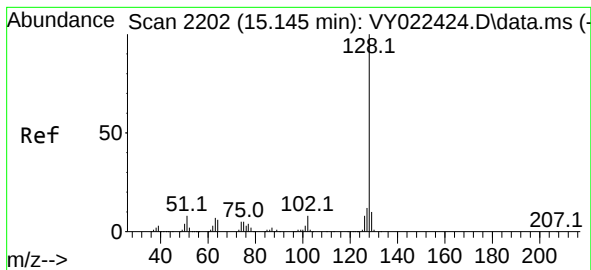
Tgt Ion: 75 Resp: 3743
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.1 112.7#
 89 0.0 37.4 56.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.156 ug/l
 RT: 14.279 min Scan# 2060
 Delta R.T. 0.006 min
 Lab File: VY022459.D
 Acq: 29 May 2025 12:02

Tgt Ion: 75 Resp: 18
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.3 126.8#
 157 0.0 54.4 163.3#





#95

Naphthalene

Concen: 1.503 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY022459.D

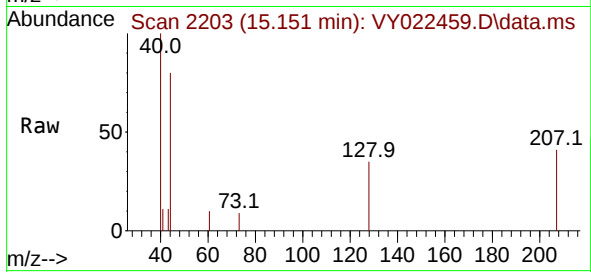
Acq: 29 May 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

VOC



Tgt Ion:128 Resp: 191

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.5 12.7#

