

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021839.D
 Acq On : 10 Apr 2025 15:37
 Operator : SY/MD
 Sample : Q1743-03
 Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-16-VOC

Quant Time: Apr 11 01:51:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

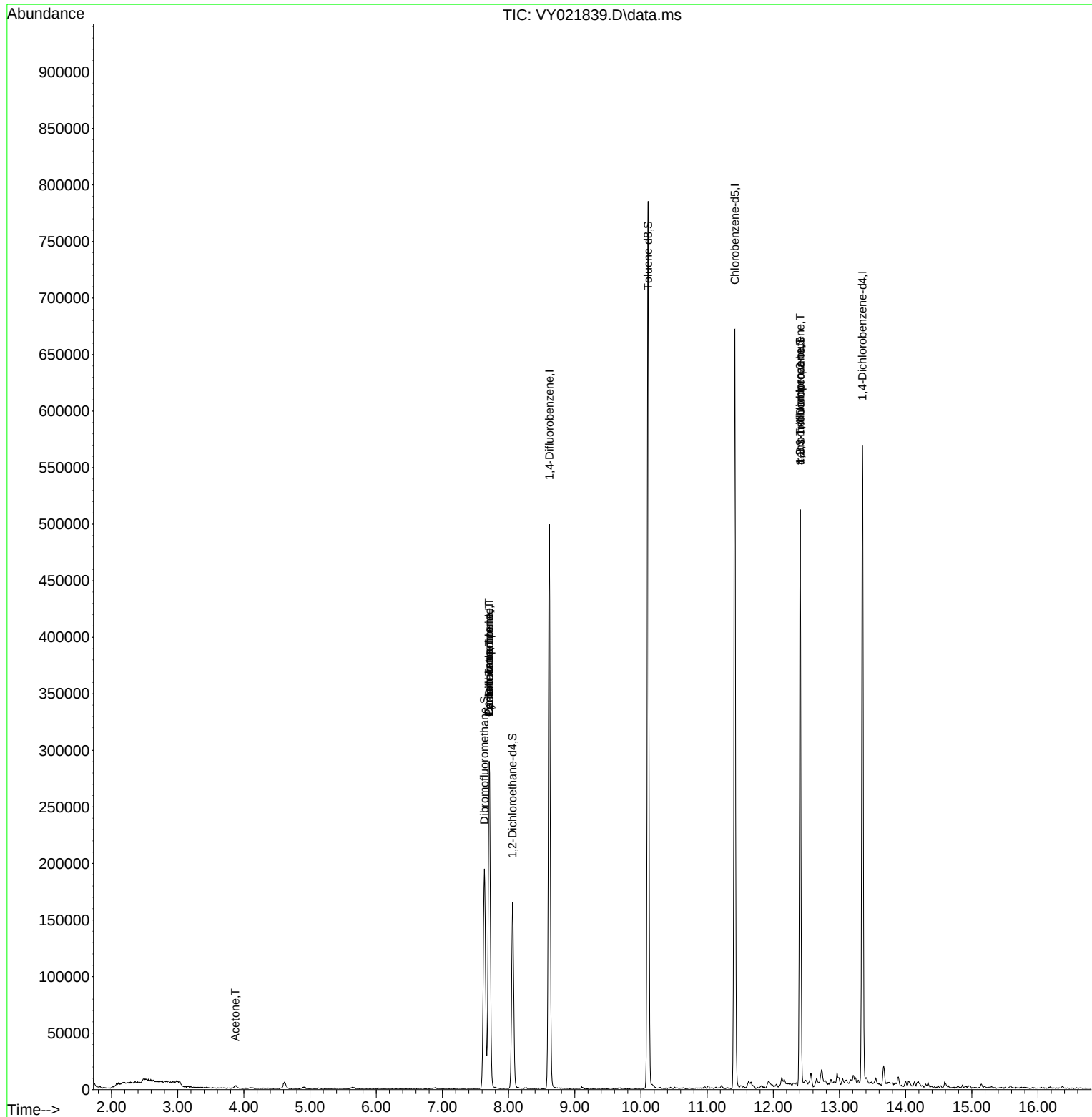
Internal Standards						
1) Pentafluorobenzene	7.707	168	216505	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	406985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	125627	53.555	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.100%	
35) Dibromofluoromethane	7.634	113	138037	52.286	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.580%	
50) Toluene-d8	10.109	98	491586	48.946	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.900%	
62) 4-Bromofluorobenzene	12.407	95	145349	42.785	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.580%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	4148	8.640	ug/l	95
20) Methylene Chloride	4.622	84	3414	Below Cal		97
31) Cyclohexane	7.707	56	5402	1.305	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	17698	4.401	ug/l #	52
38) Carbon Tetrachloride	7.707	117	22473	4.879	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	78139	55.372	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	78139	127.587	ug/l #	12

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

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TP-16-VOC

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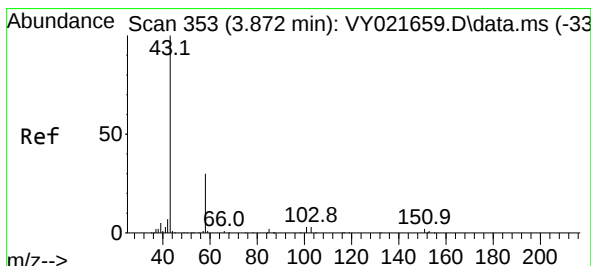
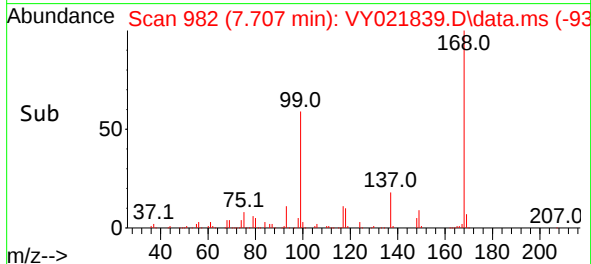
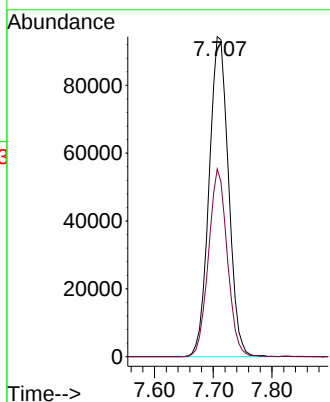
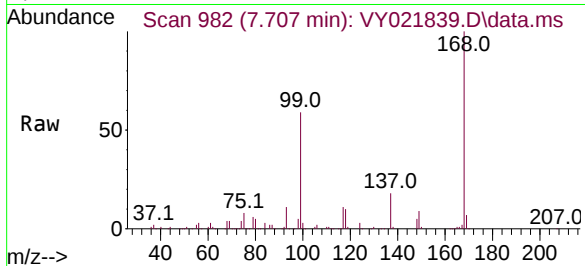




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021839.D
Acq: 10 Apr 2025 15:37

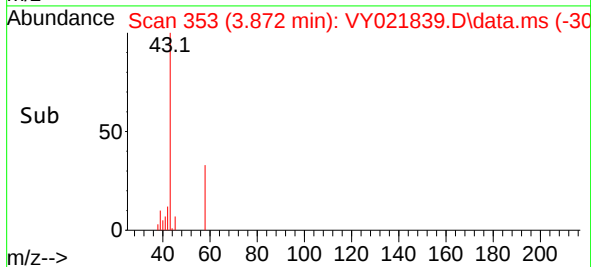
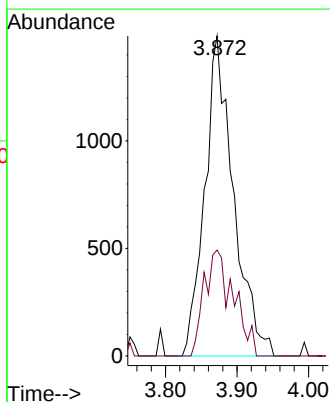
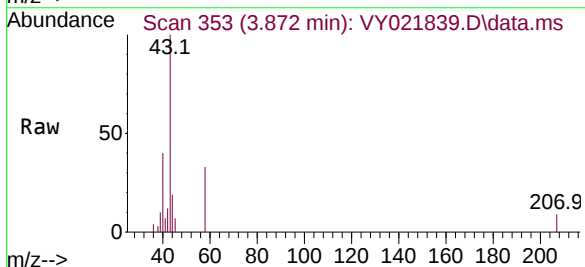
Instrument :
MSVOA_Y
ClientSampleId :
TP-16-VOC

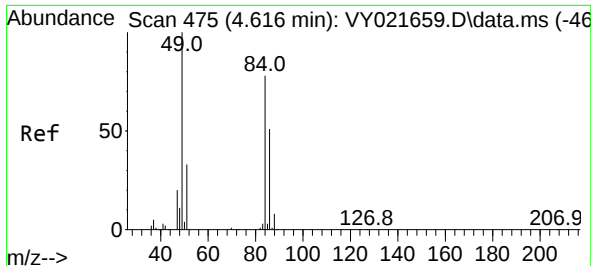
Tgt Ion:168 Resp: 216505
Ion Ratio Lower Upper
168 100
99 58.6 46.7 70.1



#16
Acetone
Concen: 8.640 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY021839.D
Acq: 10 Apr 2025 15:37

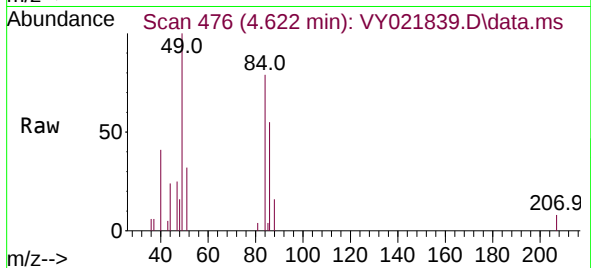
Tgt Ion: 43 Resp: 4148
Ion Ratio Lower Upper
43 100
58 33.1 24.2 36.4





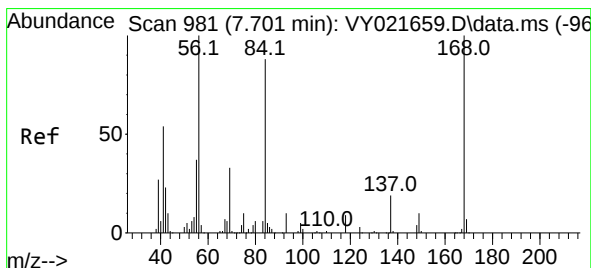
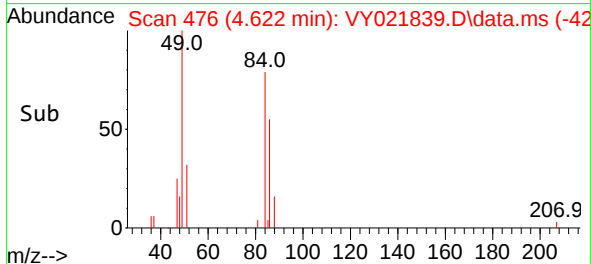
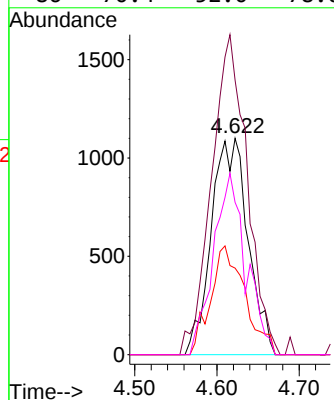
#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021839.D
Acq: 10 Apr 2025 15:37

Instrument :
MSVOA_Y
ClientSampleId :
TP-16-VOC



Tgt Ion: 84 Resp: 3414

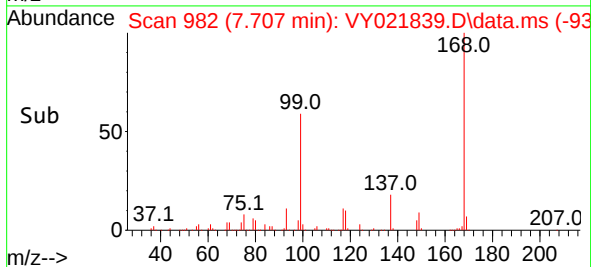
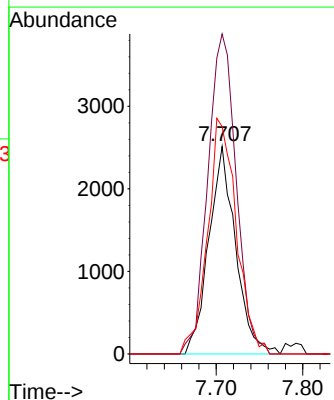
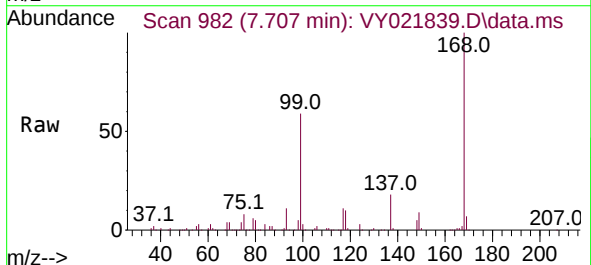
Ion	Ratio	Lower	Upper
84	100		
49	126.9	102.8	154.2
51	40.0	33.5	50.3
86	70.4	52.0	78.0

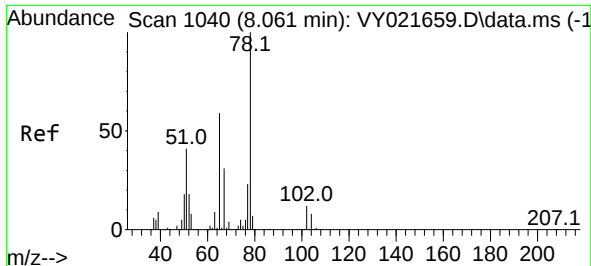


#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021839.D
Acq: 10 Apr 2025 15:37

Tgt Ion: 56 Resp: 5402

Ion	Ratio	Lower	Upper
56	100		
69	154.2	26.6	40.0#
84	109.5	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 53.555 ug/l

RT: 8.060 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY021839.D

Acq: 10 Apr 2025 15:37

Instrument :

MSVOA_Y

ClientSampleId :

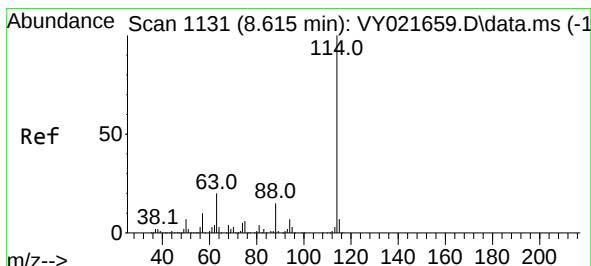
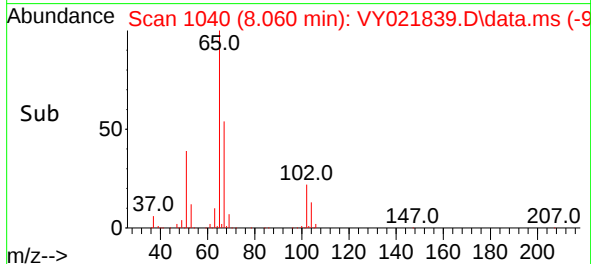
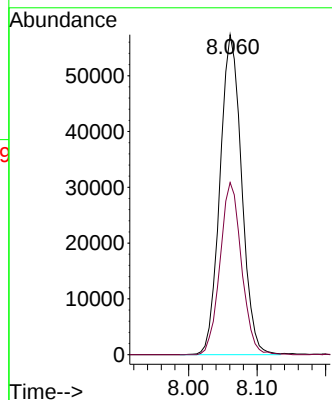
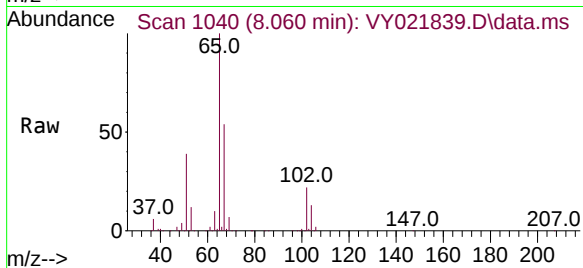
TP-16-VOC

Tgt Ion: 65 Resp: 125627

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021839.D

Acq: 10 Apr 2025 15:37

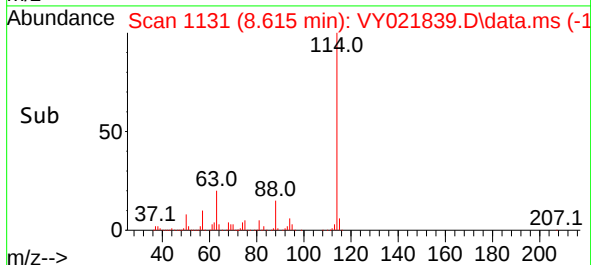
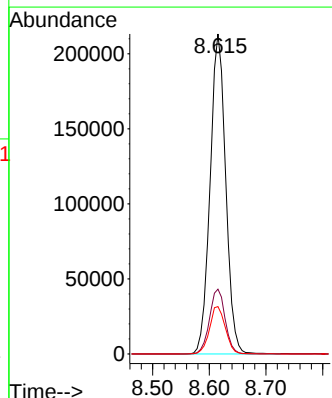
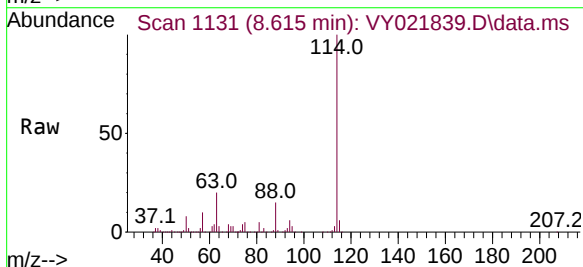
Tgt Ion: 114 Resp: 406985

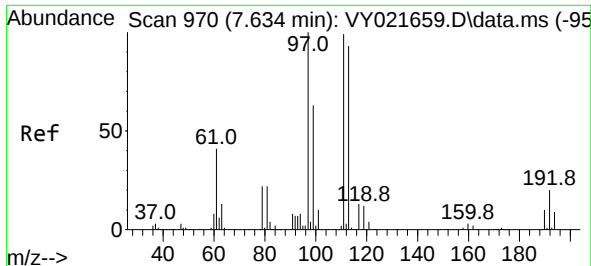
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 14.8 0.0 29.8

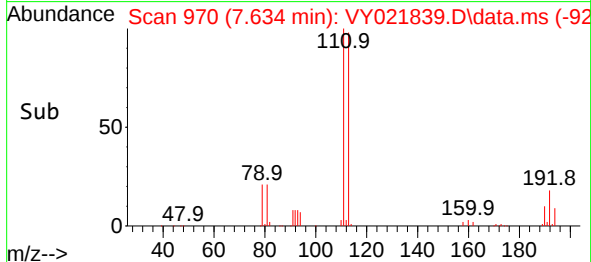
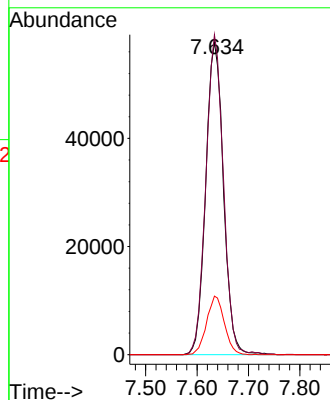
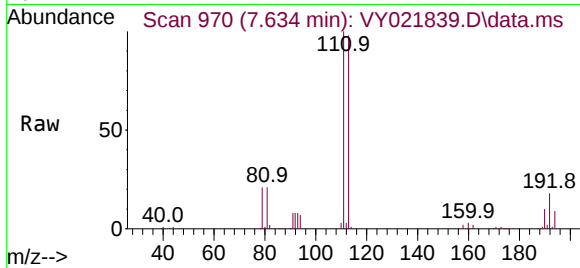




#35
Dibromofluoromethane
Concen: 52.286 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021839.D
Acq: 10 Apr 2025 15:37

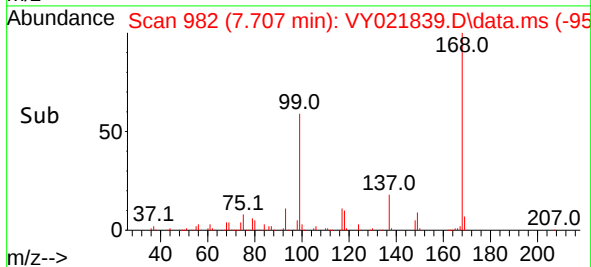
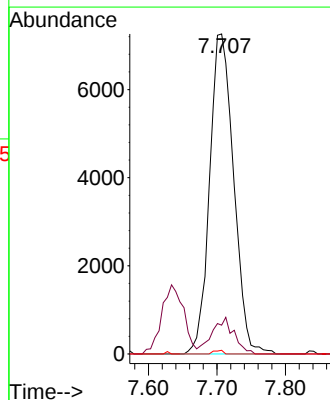
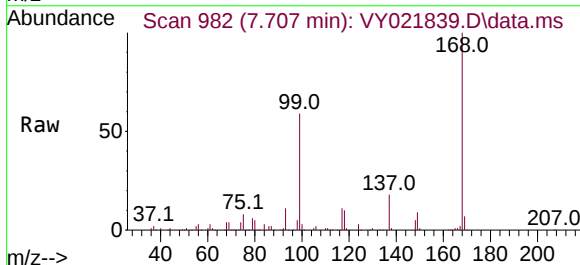
Instrument :
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ClientSampleId :
TP-16-VOC

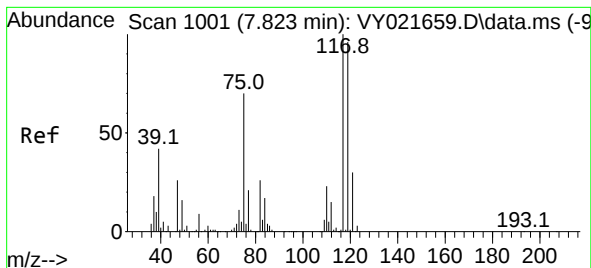
Tgt Ion:113 Resp: 138037
Ion Ratio Lower Upper
113 100
111 101.6 82.6 123.8
192 18.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.401 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021839.D
Acq: 10 Apr 2025 15:37

Tgt Ion: 75 Resp: 17698
Ion Ratio Lower Upper
75 100
110 10.5 17.0 50.9#
77 0.4 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.879 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY021839.D

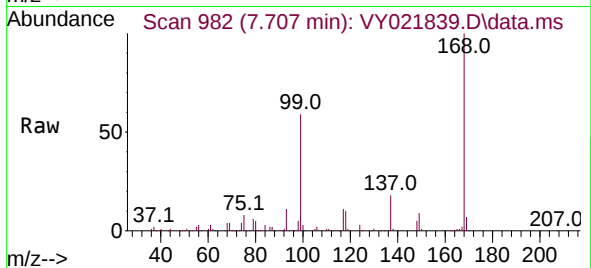
Acq: 10 Apr 2025 15:37

Instrument :

MSVOA_Y

ClientSampleId :

TP-16-VOC



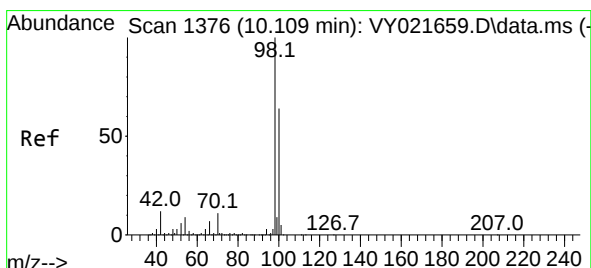
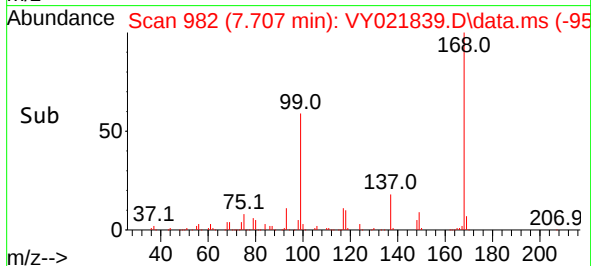
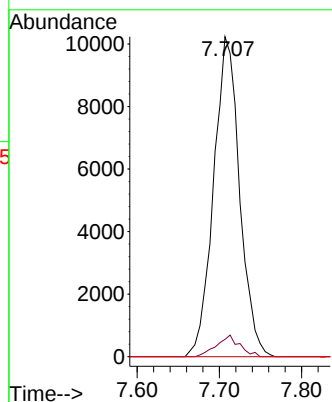
Tgt Ion:117 Resp: 22473

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 48.946 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021839.D

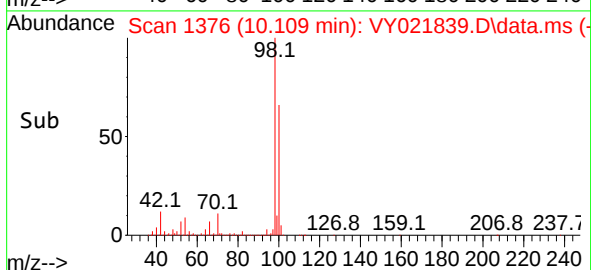
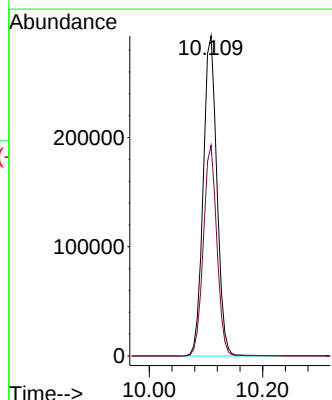
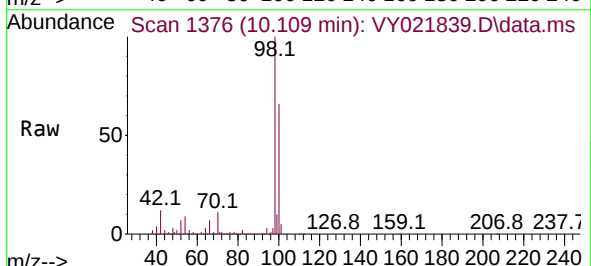
Acq: 10 Apr 2025 15:37

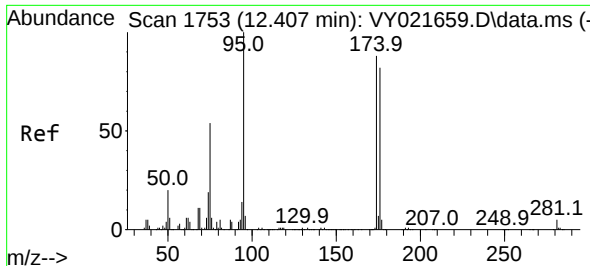
Tgt Ion: 98 Resp: 491586

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1

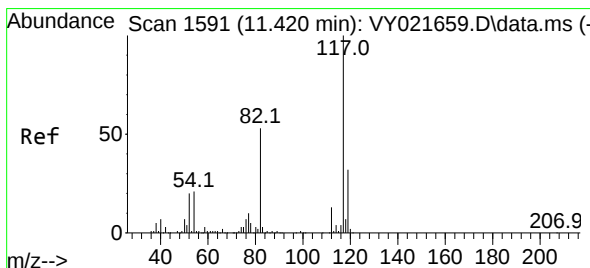
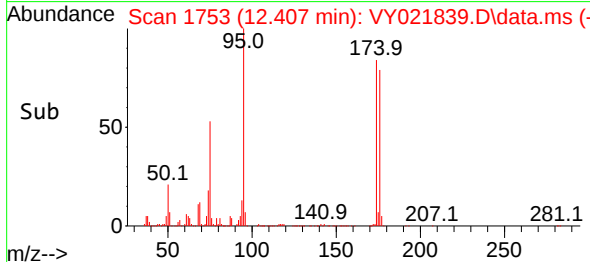
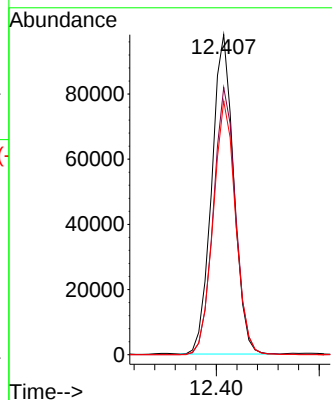
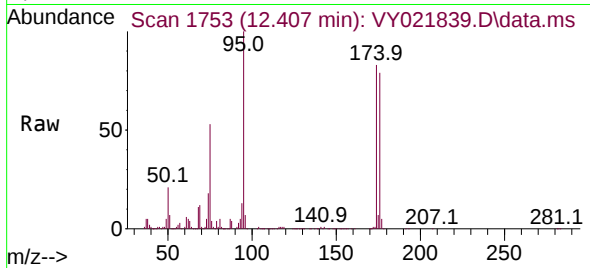




#62
4-Bromofluorobenzene
Concen: 42.785 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021839.D
Acq: 10 Apr 2025 15:37

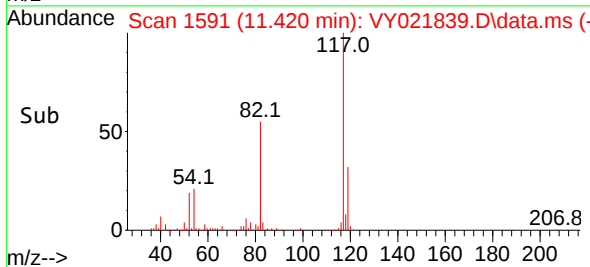
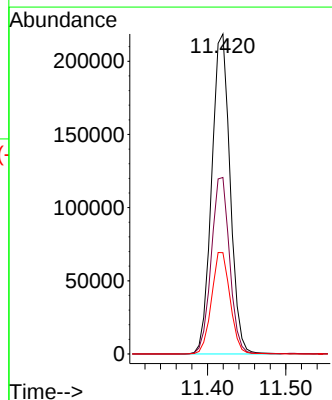
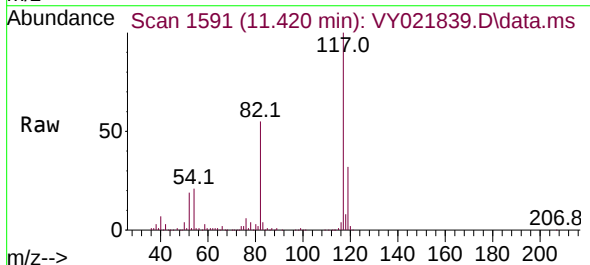
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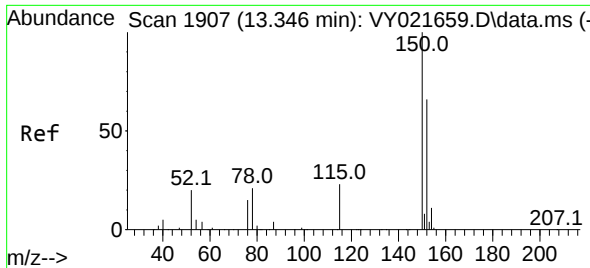
Tgt Ion: 95 Resp: 145349
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.8
176 80.8 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY021839.D
Acq: 10 Apr 2025 15:37

Tgt Ion: 117 Resp: 355963
Ion Ratio Lower Upper
117 100
82 55.1 42.8 64.2
119 31.6 25.7 38.5

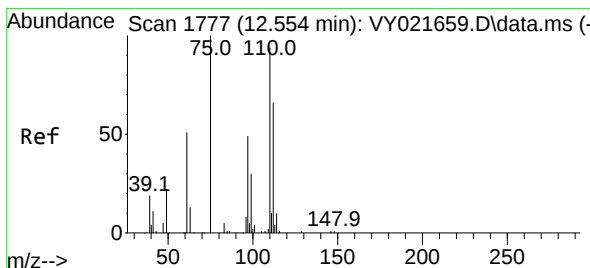
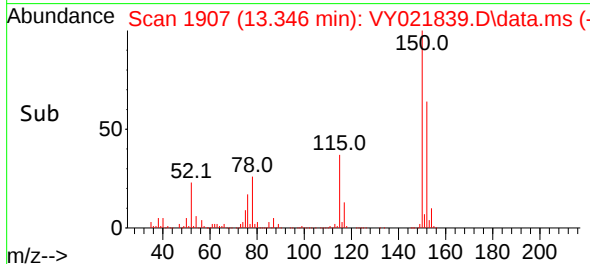
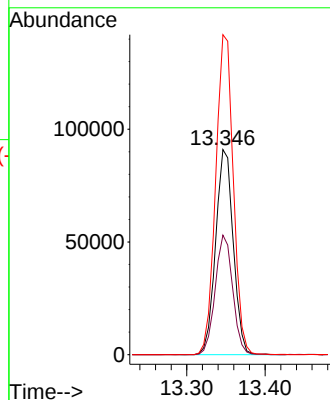
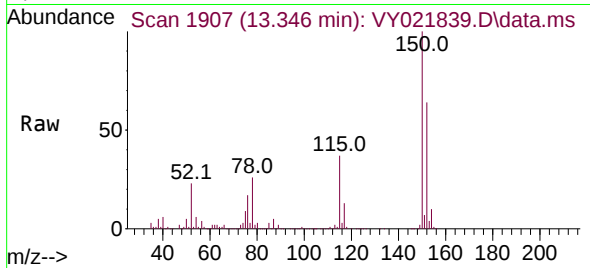




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021839.D
 Acq: 10 Apr 2025 15:37

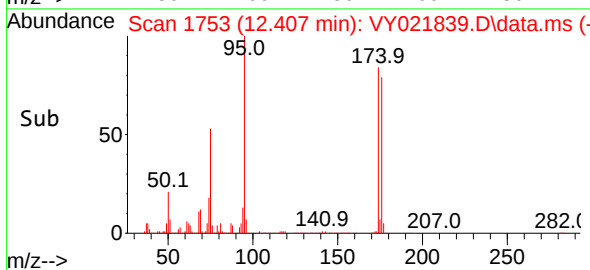
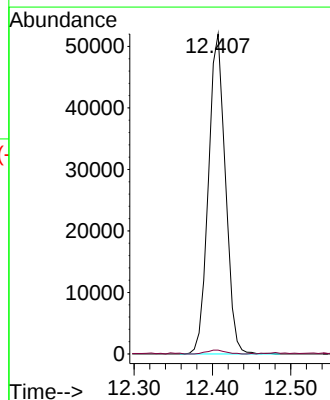
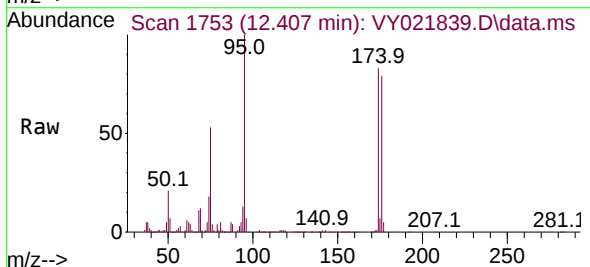
Instrument :
 MSVOA_Y
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 TP-16-VOC

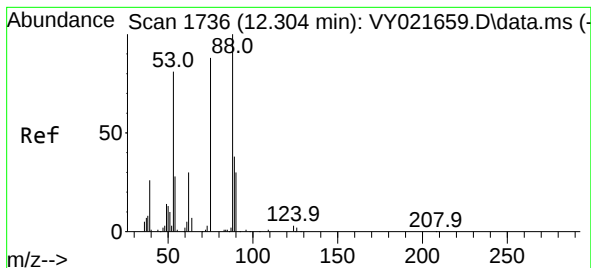
Tgt Ion:152 Resp: 142361
 Ion Ratio Lower Upper
 152 100
 115 57.8 28.8 86.5
 150 156.0 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 55.372 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY021839.D
 Acq: 10 Apr 2025 15:37

Tgt Ion: 75 Resp: 78139
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.587 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY021839.D
 Acq: 10 Apr 2025 15:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-16-VOC

Tgt Ion: 75 Resp: 78139
 Ion Ratio Lower Upper
 75 100
 53 0.5 76.1 114.1#
 89 0.0 36.2 54.4#

