

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022599.D
 Acq On : 06 Jun 2025 14:49
 Operator : SY/MD
 Sample : Q2207-11
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-02

Quant Time: Jun 06 23:43:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

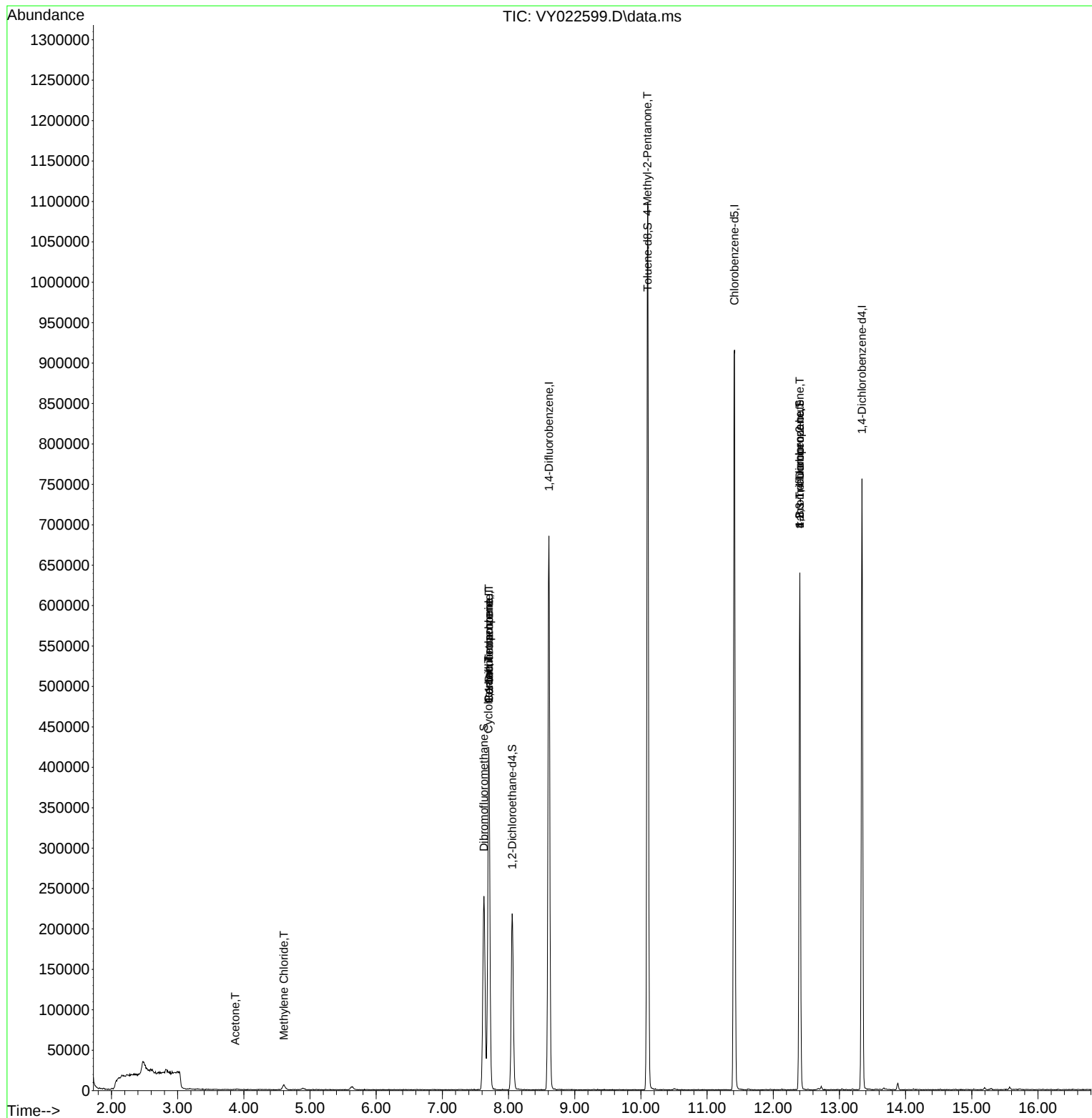
Internal Standards						
1) Pentafluorobenzene	7.701	168	305513	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	557697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	445470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	170483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	164845	48.243	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.480%
35) Dibromofluoromethane	7.628	113	164336	49.368	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.740%
50) Toluene-d8	10.103	98	674732	50.164	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.320%
62) 4-Bromofluorobenzene	12.402	95	168708	42.098	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.200%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	782	1.127	ug/l	100
20) Methylene Chloride	4.604	84	3966	1.006	ug/l #	86
31) Cyclohexane	7.695	56	9107	1.387	ug/l #	40
36) 1,1-Dichloropropene	7.701	75	29105	5.387	ug/l #	52
38) Carbon Tetrachloride	7.701	117	32395	5.845	ug/l #	16
51) 4-Methyl-2-Pentanone	10.097	43	3581	1.380	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	101281	51.929	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	101281	125.404	ug/l #	10

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

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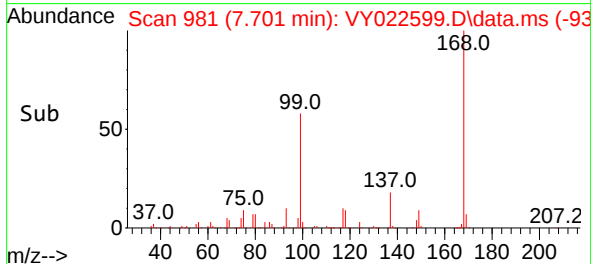
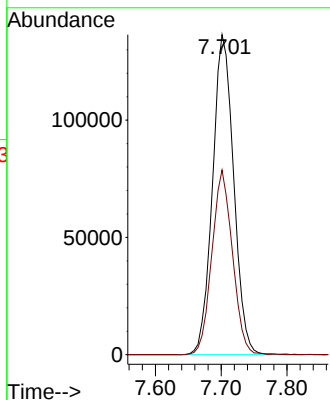
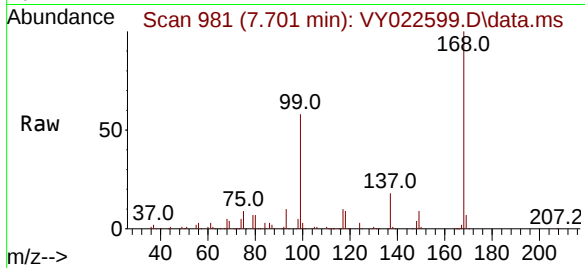




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

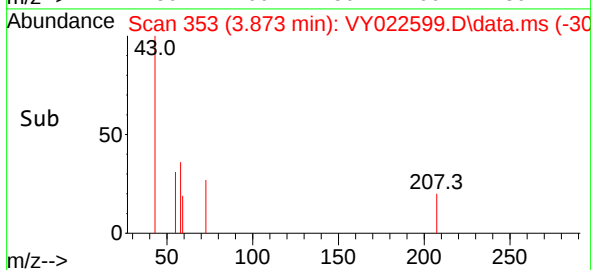
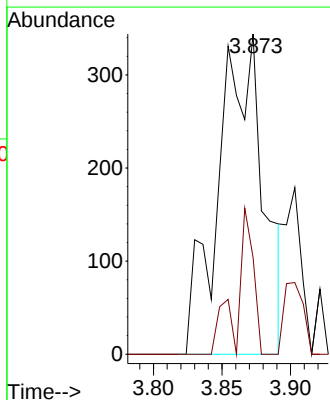
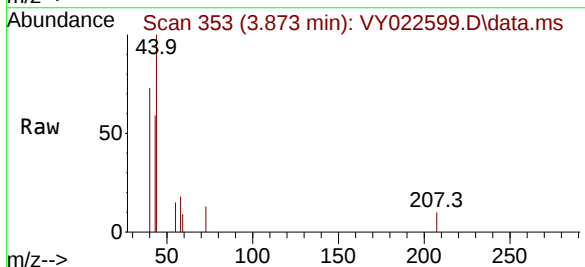
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

Tgt Ion:168 Resp: 305513
Ion Ratio Lower Upper
168 100
99 57.7 44.3 66.5



#16
Acetone
Concen: 1.127 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

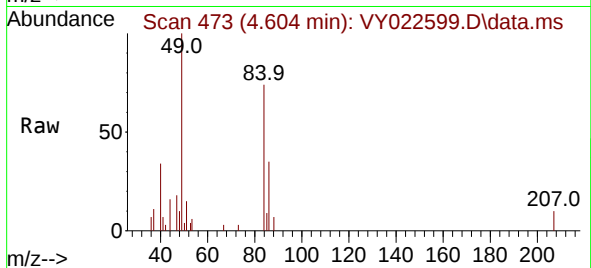
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
58 30.2 24.0 36.0



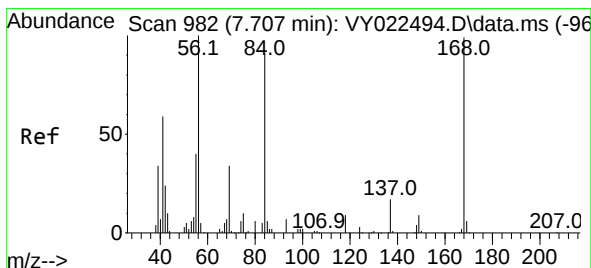
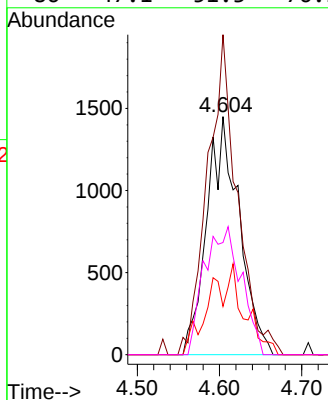
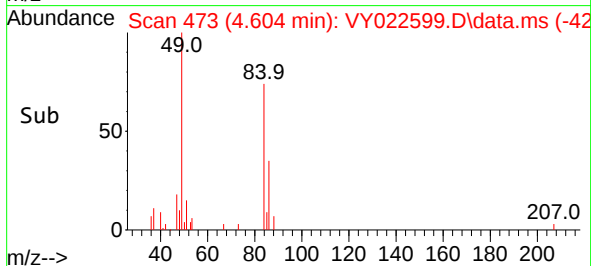


#20
Methylene Chloride
Concen: 1.006 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

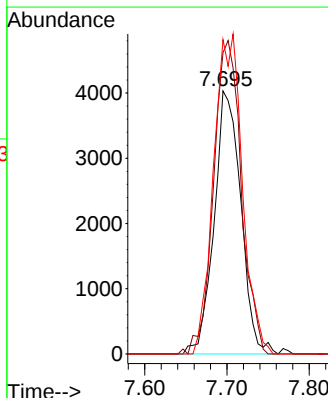
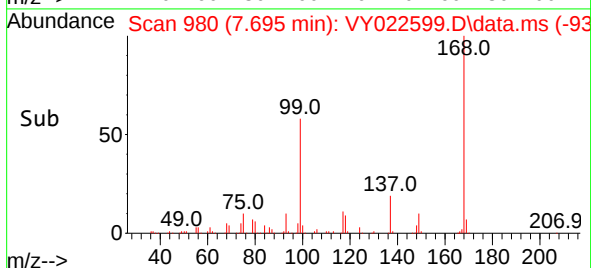
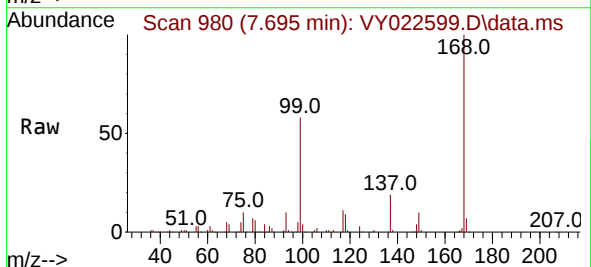


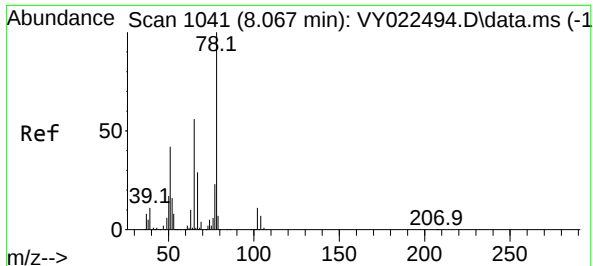
Tgt Ion:	84	Resp:	3966
Ion	Ratio	Lower	Upper
84	100		
49	134.4	101.9	152.9
51	20.3	29.8	44.8#
86	47.1	51.3	76.9#



#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Tgt Ion:	56	Resp:	9107
Ion	Ratio	Lower	Upper
56	100		
69	114.5	27.0	40.6#
84	119.5	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.243 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022599.D

Acq: 06 Jun 2025 14:49

Instrument :

MSVOA_Y

ClientSampleId :

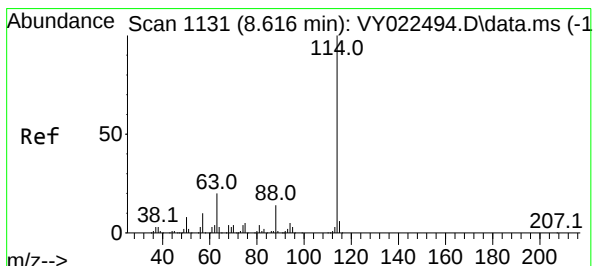
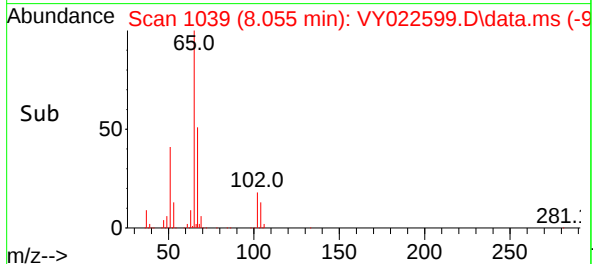
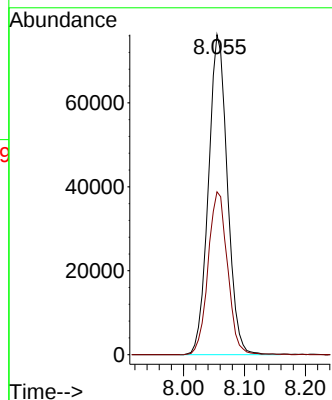
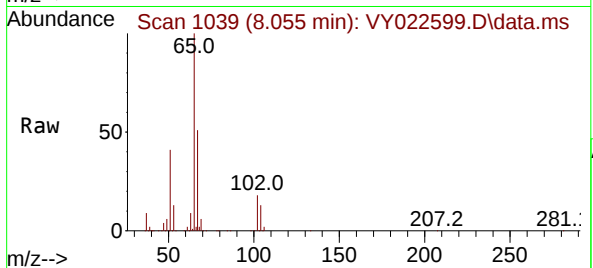
BU-703-VOC-02

Tgt Ion: 65 Resp: 164845

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022599.D

Acq: 06 Jun 2025 14:49

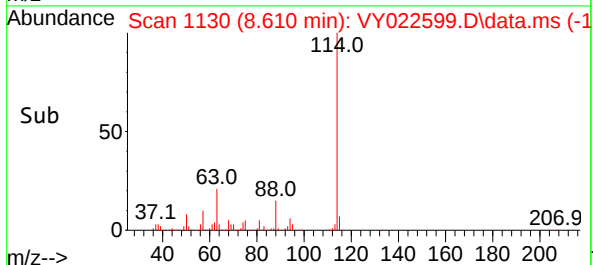
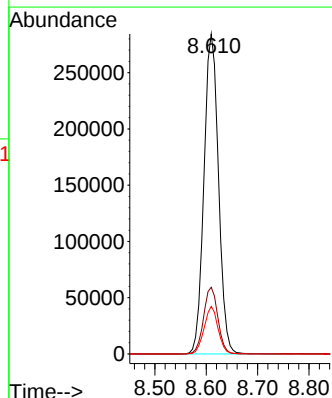
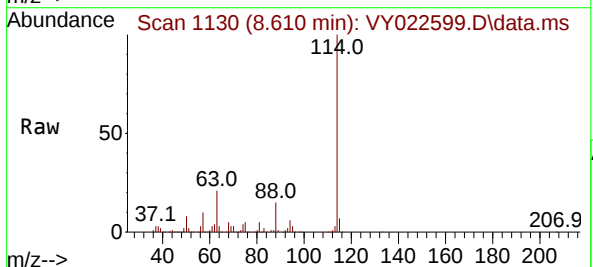
Tgt Ion: 114 Resp: 557697

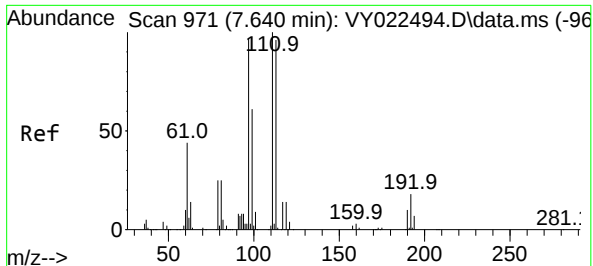
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 14.8 0.0 27.8





#35

Dibromofluoromethane

Concen: 49.368 ug/l

RT: 7.628 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY022599.D

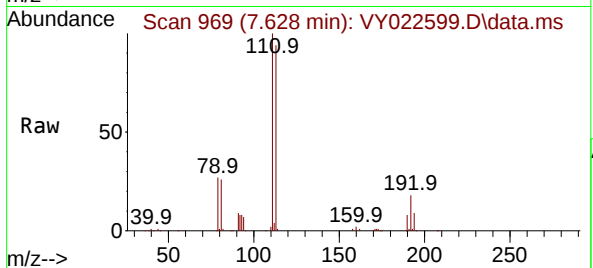
Acq: 06 Jun 2025 14:49

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-02



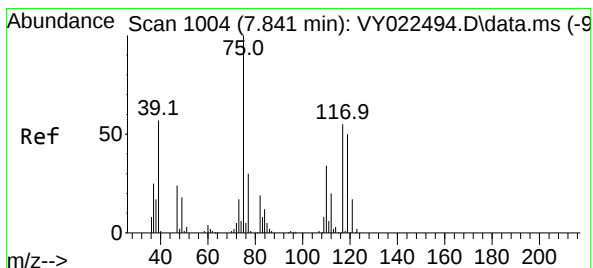
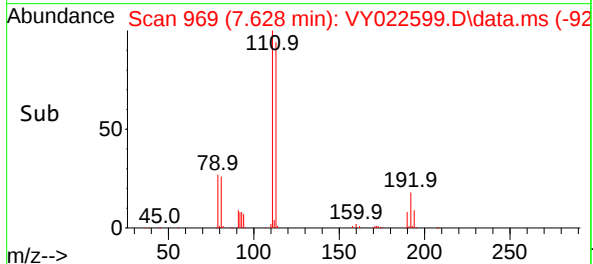
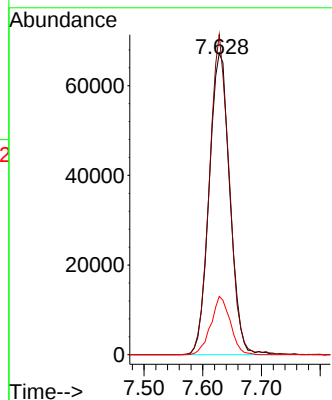
Tgt Ion:113 Resp: 164336

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

192 18.1 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.387 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022599.D

Acq: 06 Jun 2025 14:49

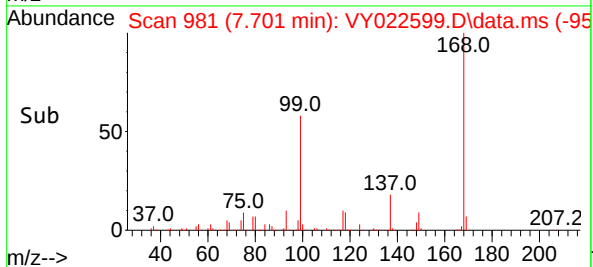
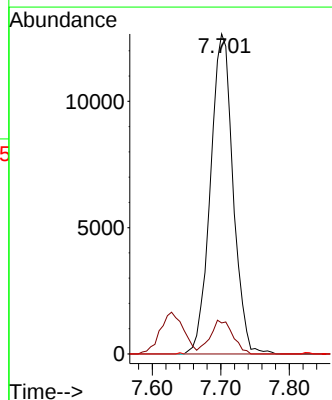
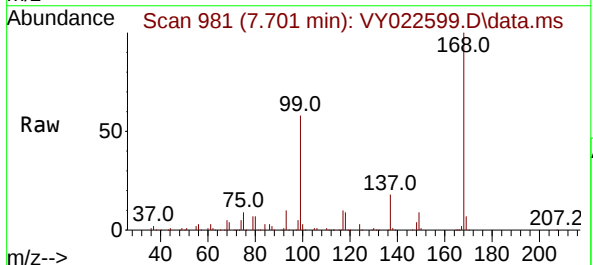
Tgt Ion: 75 Resp: 29105

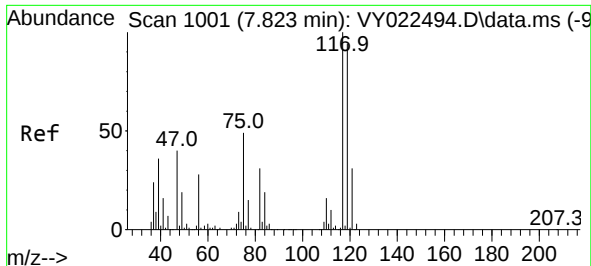
Ion Ratio Lower Upper

75 100

110 10.5 16.9 50.7#

77 0.0 24.8 37.2#

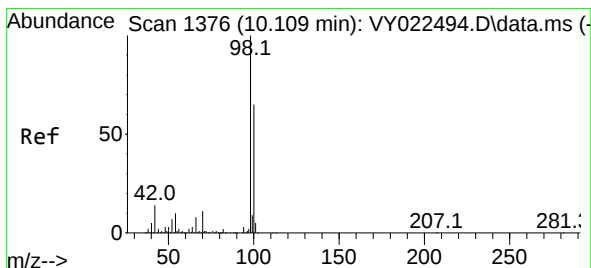
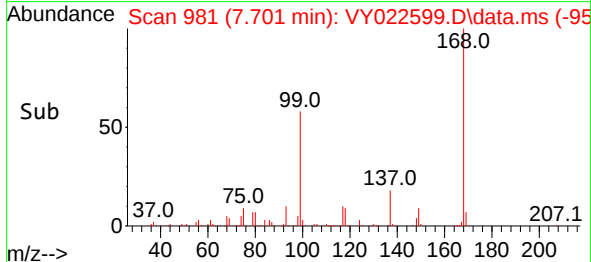
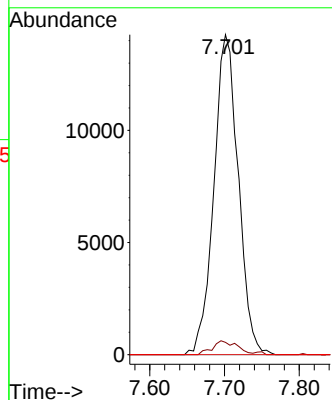
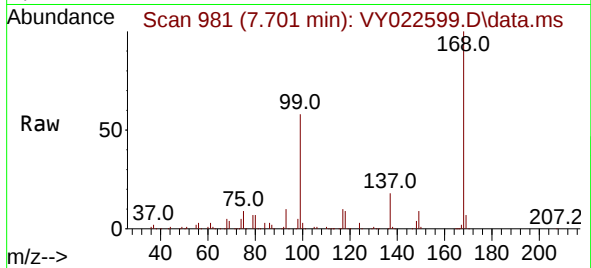




#38
Carbon Tetrachloride
Concen: 5.845 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

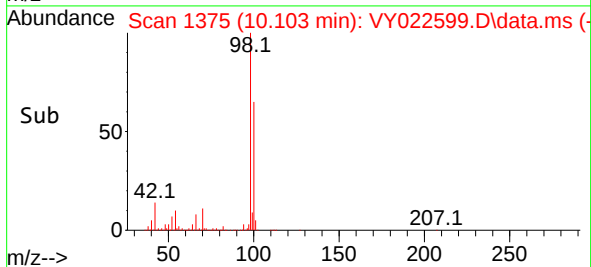
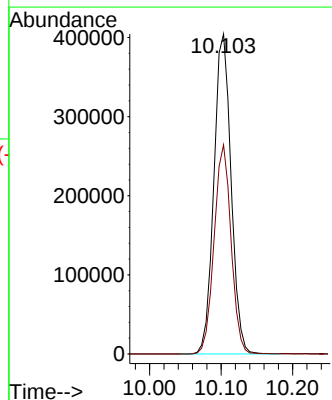
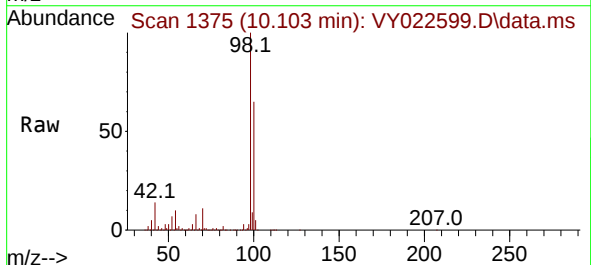
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

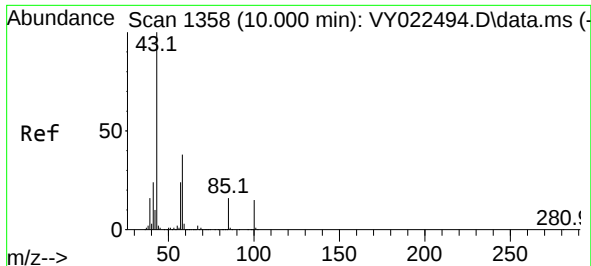
Tgt Ion:117 Resp: 32395
Ion Ratio Lower Upper
117 100
119 3.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.164 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 98 Resp: 674732
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0

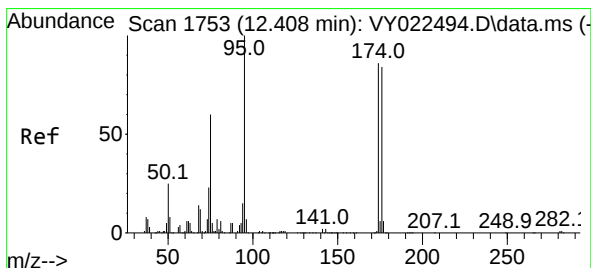
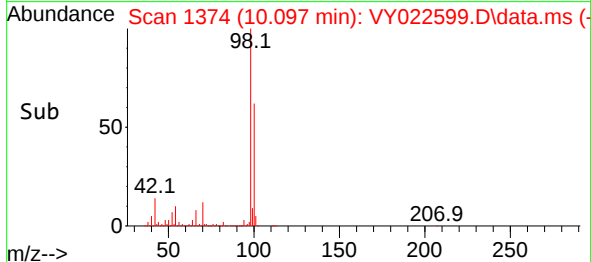
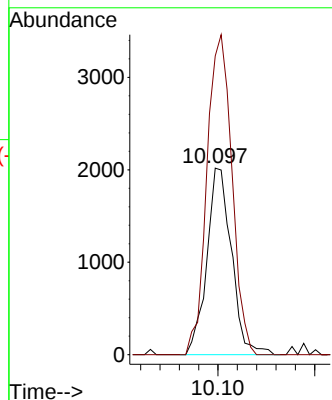
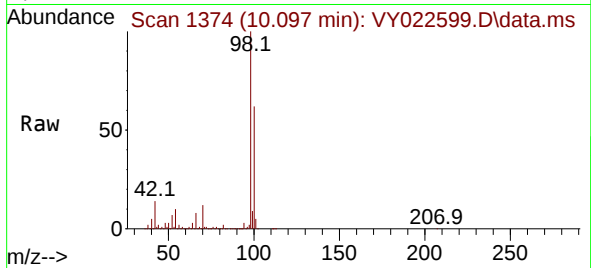




#51
4-Methyl-2-Pentanone
Concen: 1.380 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

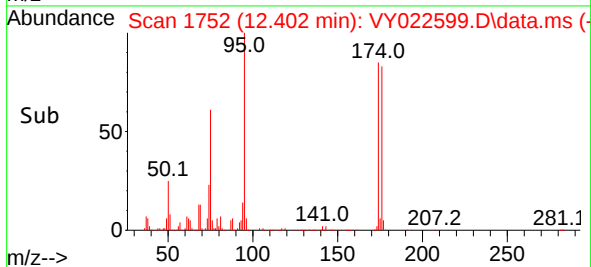
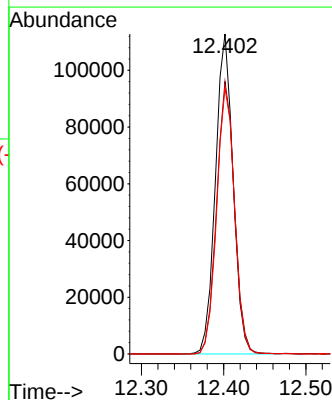
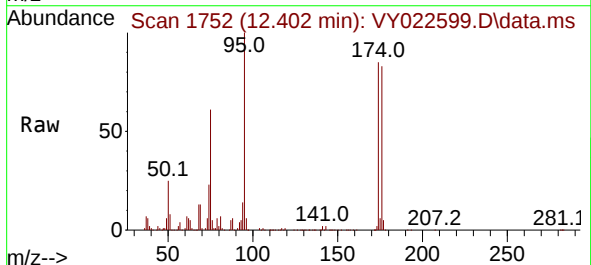
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

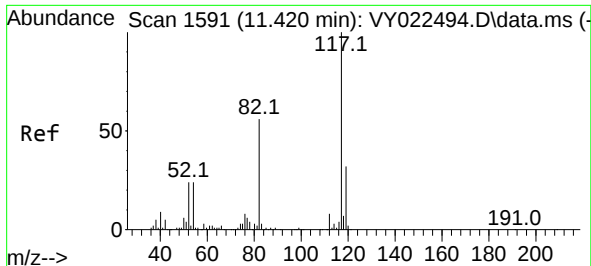
Tgt Ion: 43 Resp: 3581
Ion Ratio Lower Upper
43 100
58 173.6 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 42.098 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 95 Resp: 168708
Ion Ratio Lower Upper
95 100
174 86.1 0.0 170.0
176 83.8 0.0 166.2

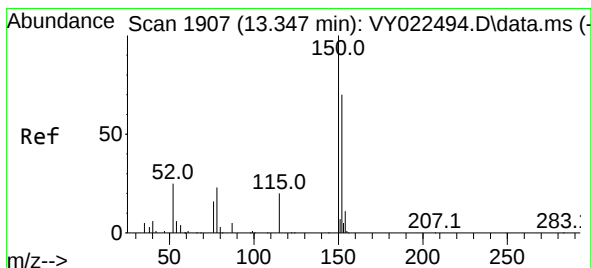
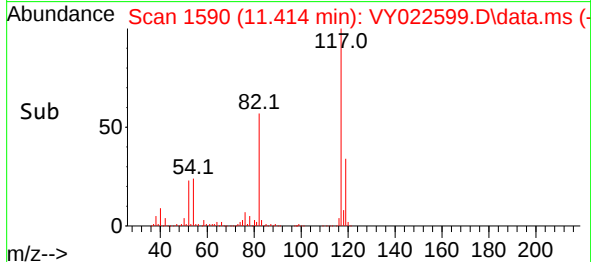
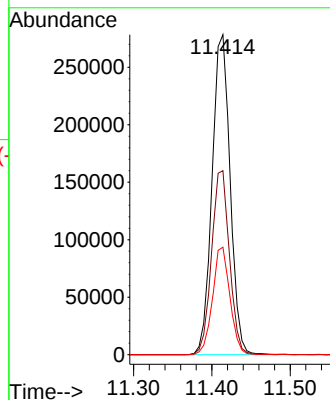
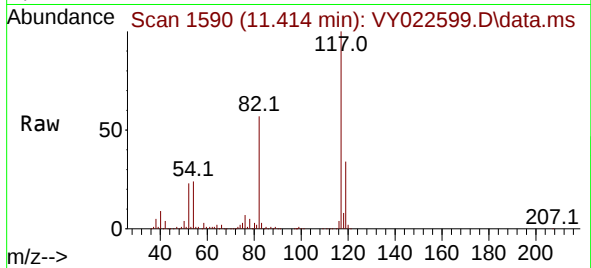




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

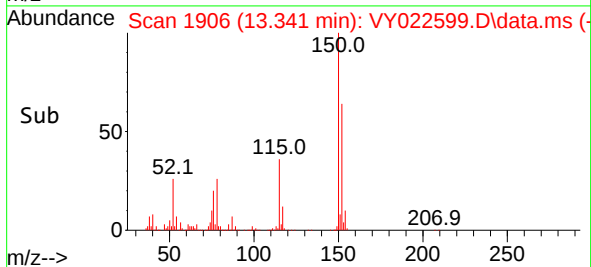
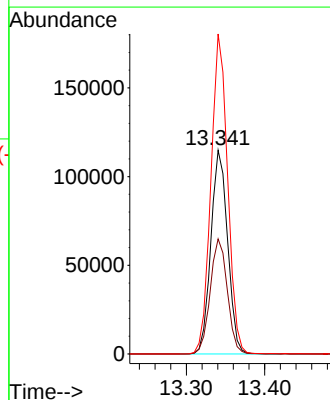
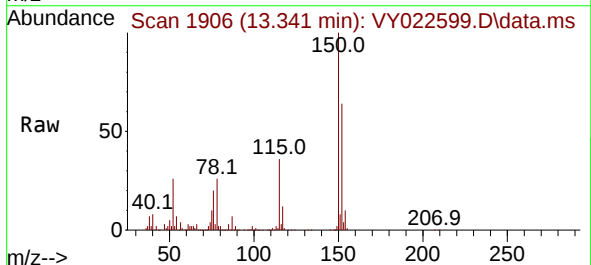
Instrument :
MSVOA_Y
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BU-703-VOC-02

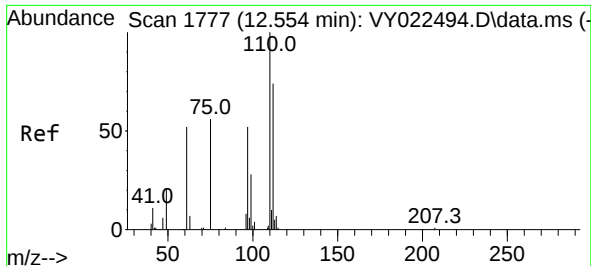
Tgt Ion:117 Resp: 445470
Ion Ratio Lower Upper
117 100
82 57.5 44.6 66.8
119 33.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.341 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Tgt Ion:152 Resp: 170483
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 156.5 0.0 349.6

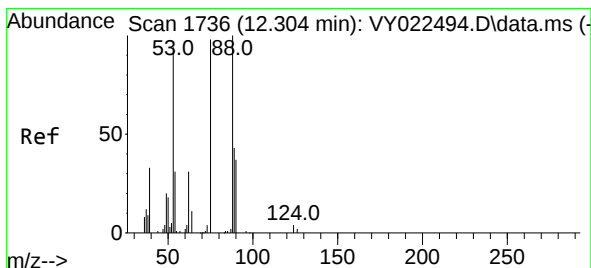
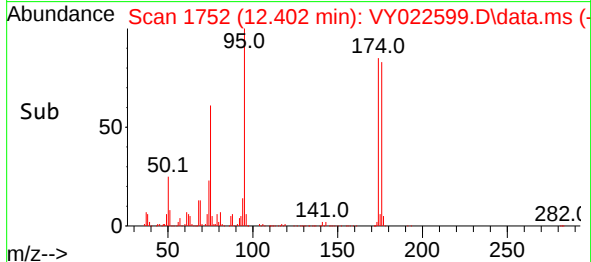
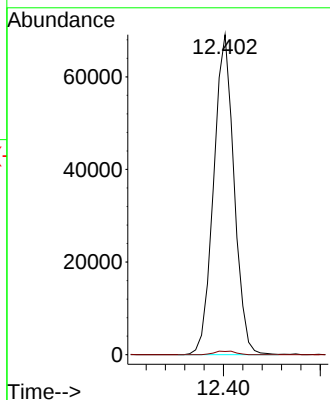
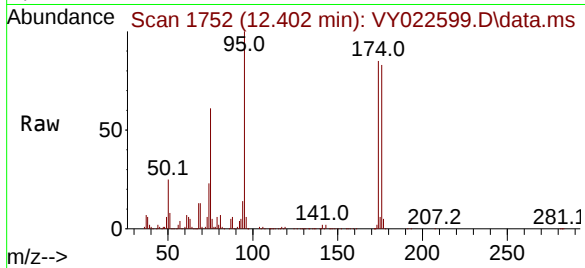




#76
1,2,3-Trichloropropane
Concen: 51.929 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-02

Tgt Ion: 75 Resp: 101281
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.404 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY022599.D
Acq: 06 Jun 2025 14:49

Tgt Ion: 75 Resp: 101281
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

