

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022319.D
 Acq On : 19 May 2025 15:22
 Operator : SY/MD
 Sample : Q2062-19
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-5-VOC

Quant Time: May 20 01:15:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

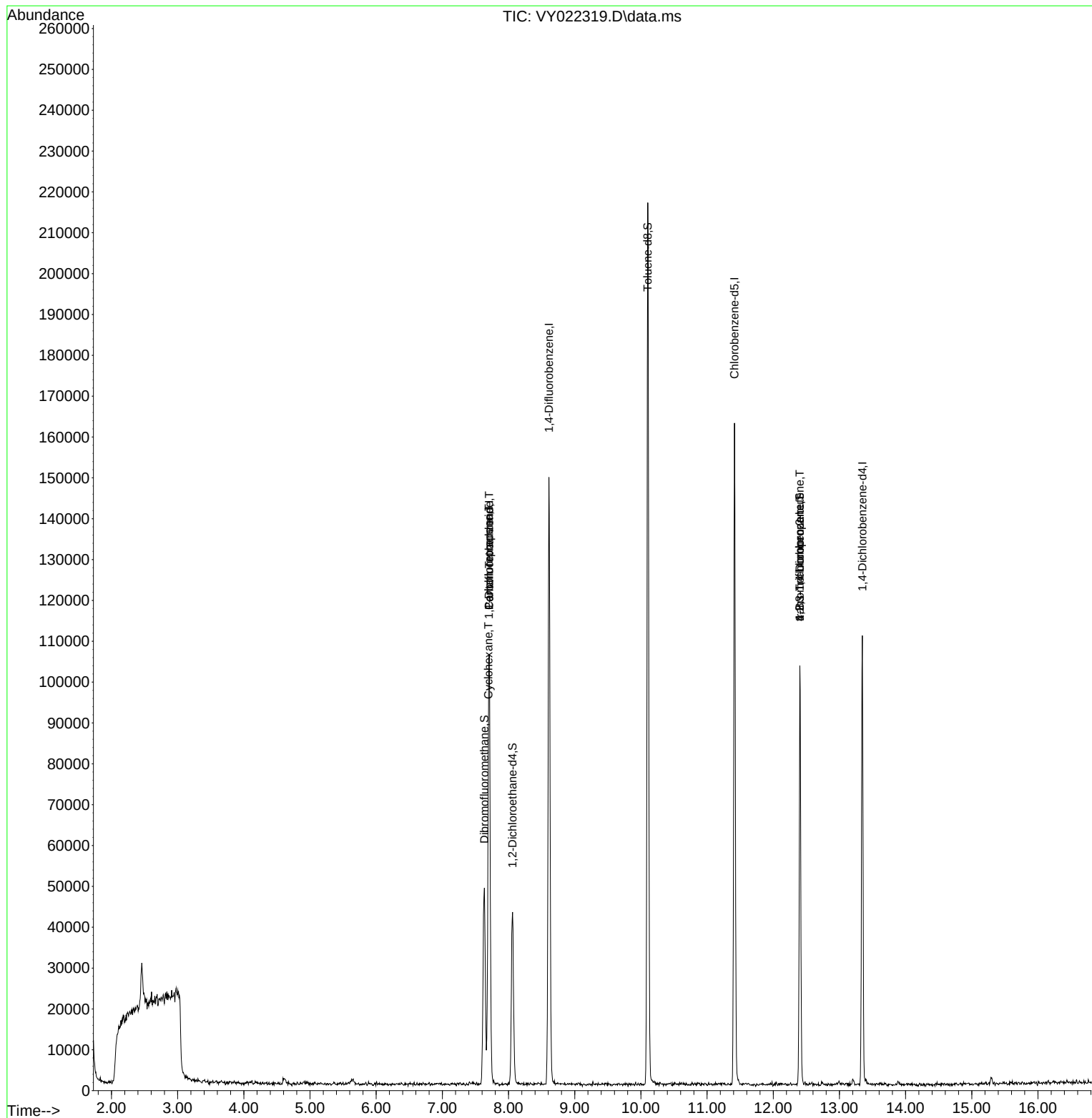
Internal Standards						
1) Pentafluorobenzene	7.707	168	83376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	124734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	81586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	25538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	32586	35.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.520%
35) Dibromofluoromethane	7.634	113	34101	45.805	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.600%
50) Toluene-d8	10.103	98	136235	44.681	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.360%
62) 4-Bromofluorobenzene	12.402	95	28267	29.248	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.500%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.695	56	2330	1.264	ug/l #	30
36) 1,1-Dichloropropene	7.701	75	6732	5.490	ug/l #	51
38) Carbon Tetrachloride	7.707	117	8544	6.731	ug/l #	15
76) 1,2,3-Trichloropropane	12.402	75	16966	65.575	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	16966	132.838	ug/l #	12

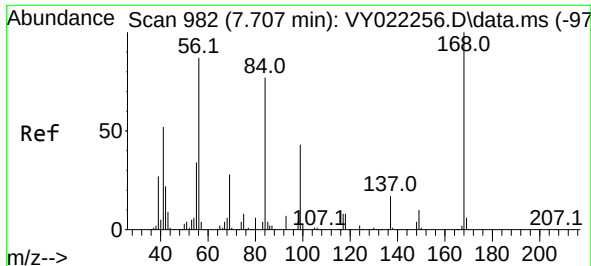
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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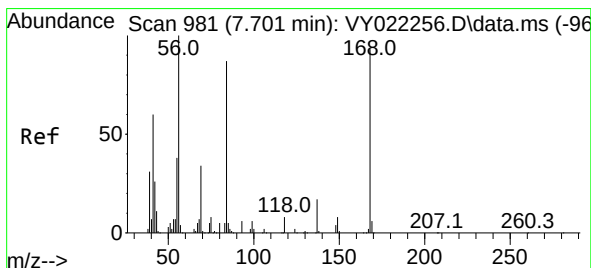
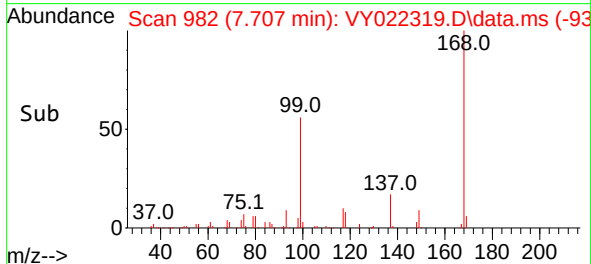
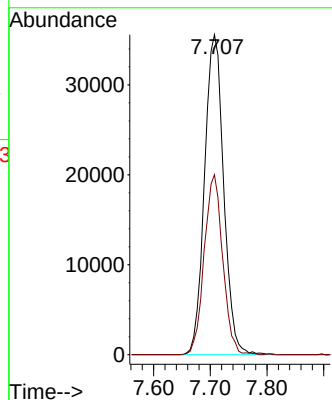
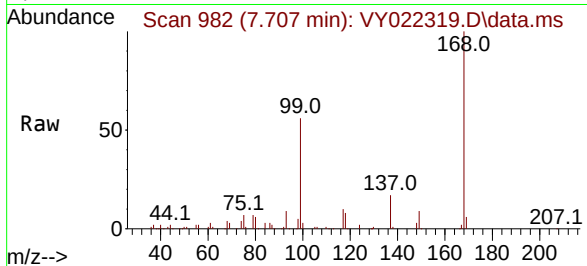




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

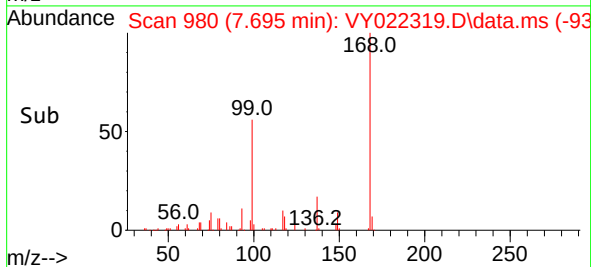
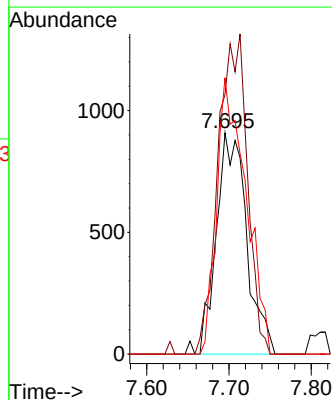
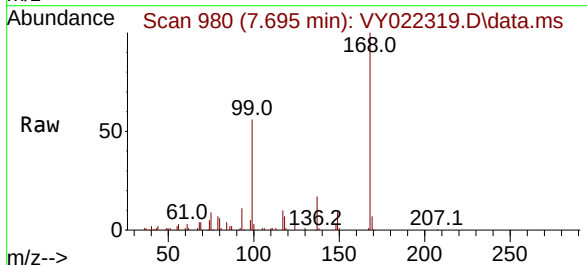
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

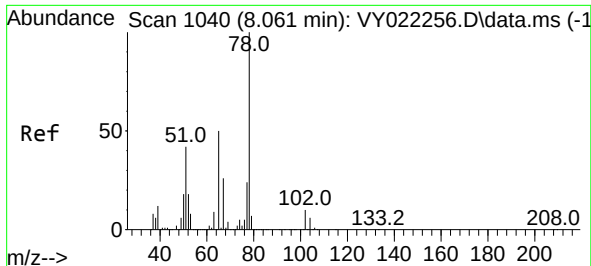
Tgt Ion:168 Resp: 83376
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

Tgt Ion: 56 Resp: 2330
Ion Ratio Lower Upper
56 100
69 117.4 27.4 41.2#
84 125.0 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 35.761 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY022319.D

Acq: 19 May 2025 15:22

Instrument :

MSVOA_Y

ClientSampleId :

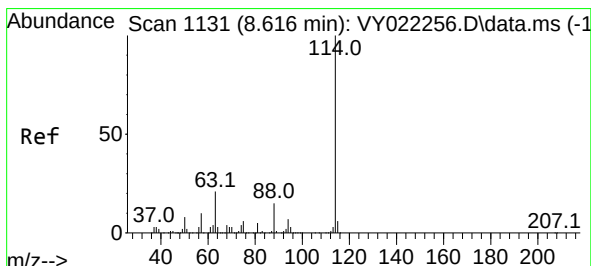
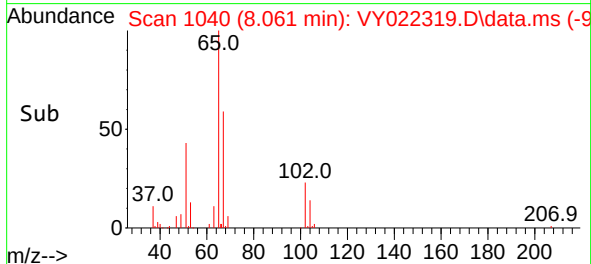
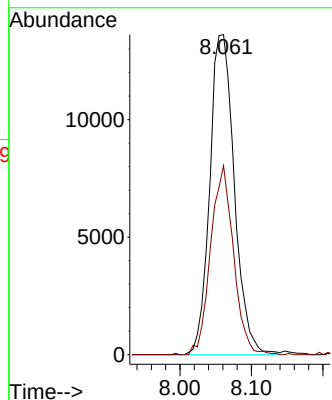
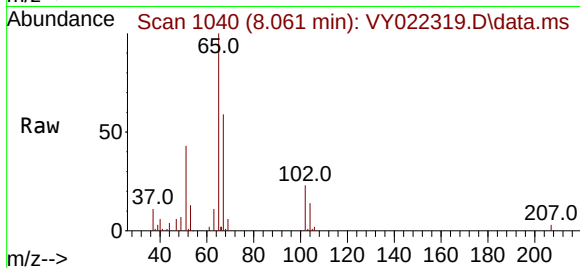
L1-WC-5-VOC

Tgt Ion: 65 Resp: 32586

Ion Ratio Lower Upper

65 100

67 54.8 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022319.D

Acq: 19 May 2025 15:22

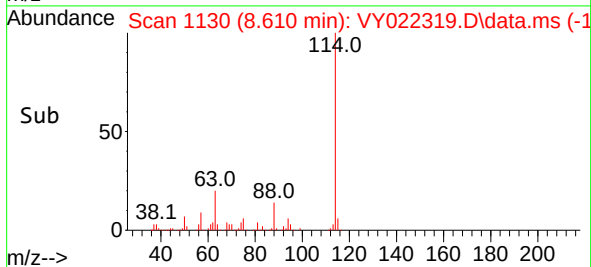
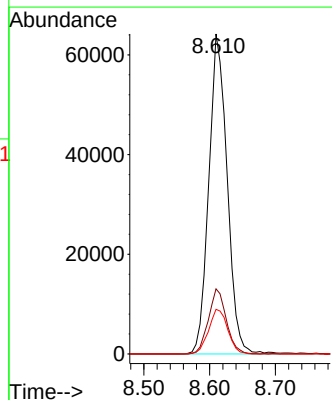
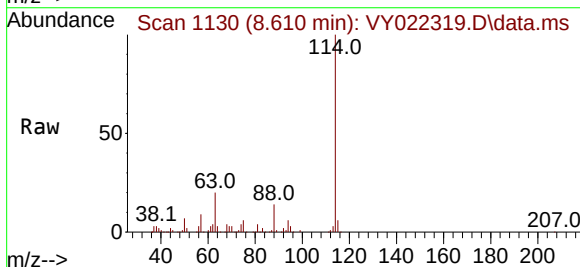
Tgt Ion: 114 Resp: 124734

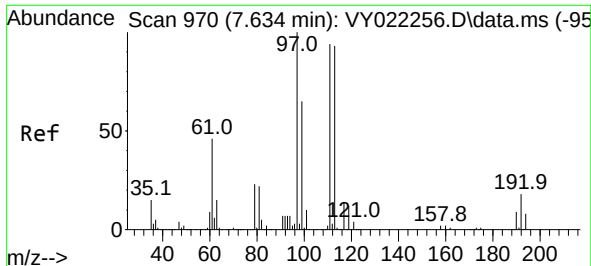
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 13.9 0.0 29.4

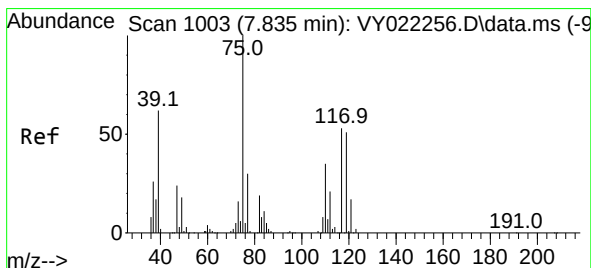
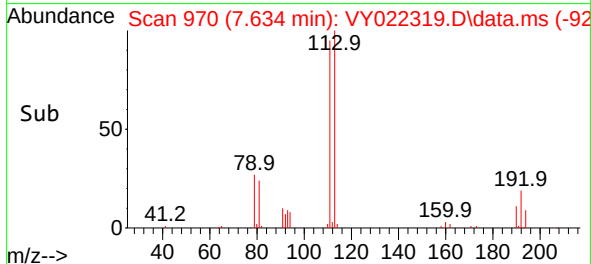
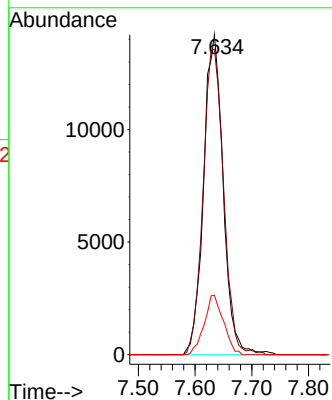
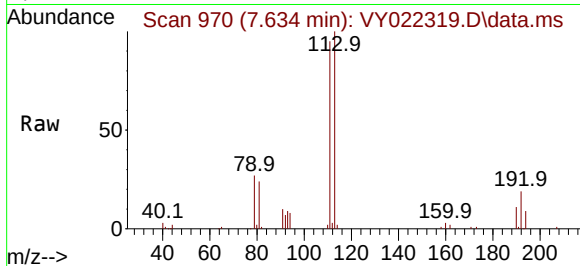




#35
Dibromofluoromethane
Concen: 45.805 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

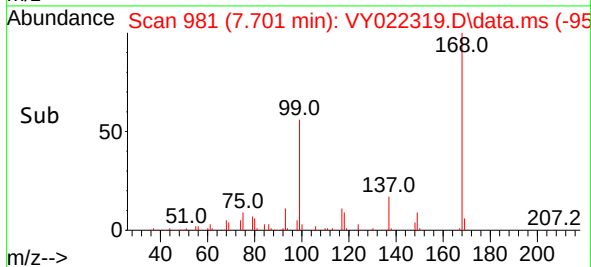
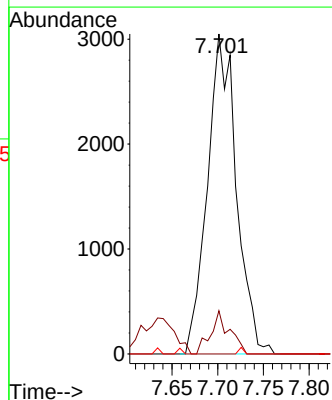
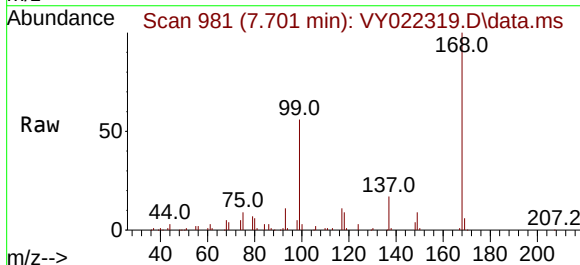
Instrument :
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ClientSampleId :
L1-WC-5-VOC

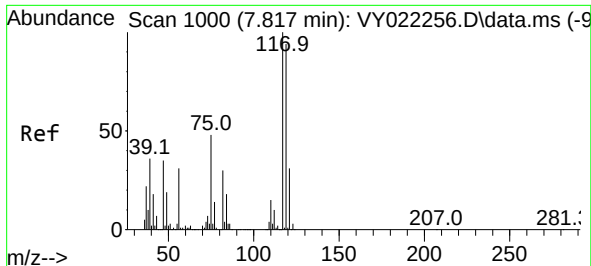
Tgt Ion:113 Resp: 34101
Ion Ratio Lower Upper
113 100
111 100.0 82.6 123.8
192 18.3 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.490 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

Tgt Ion: 75 Resp: 6732
Ion Ratio Lower Upper
75 100
110 8.7 16.6 49.8#
77 0.0 24.6 37.0#

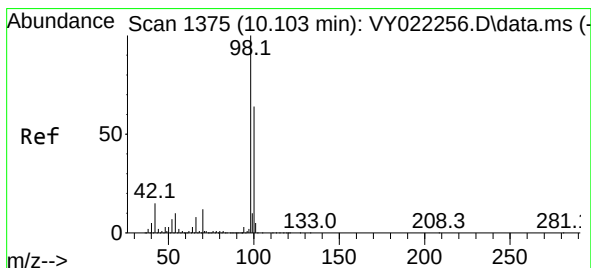
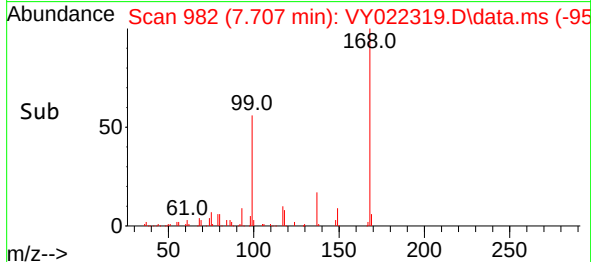
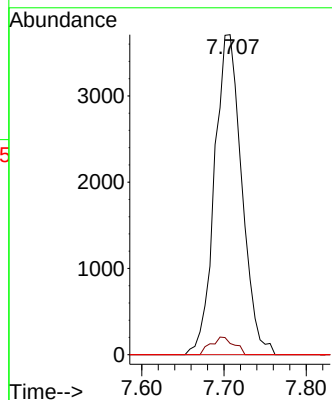
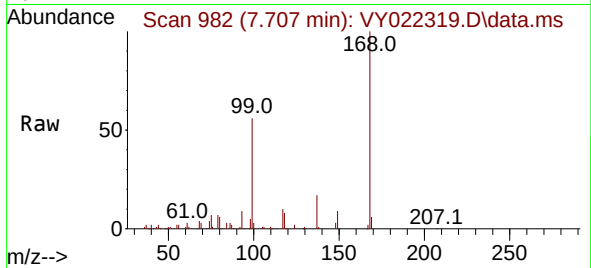




#38
Carbon Tetrachloride
Concen: 6.731 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

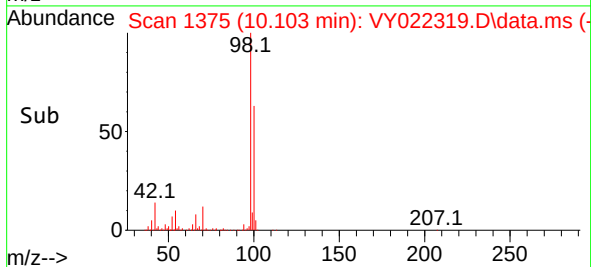
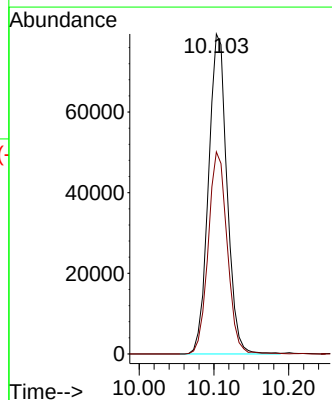
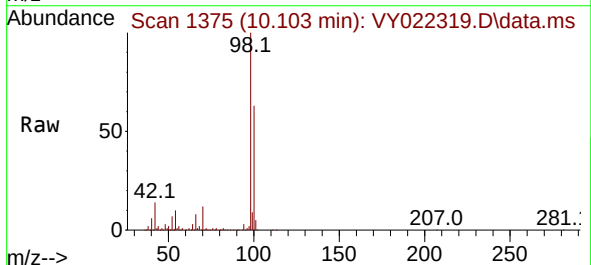
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

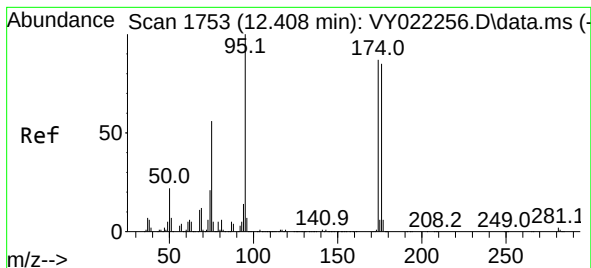
Tgt Ion:117 Resp: 8544
Ion Ratio Lower Upper
117 100
119 3.5 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 44.681 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

Tgt Ion: 98 Resp: 136235
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

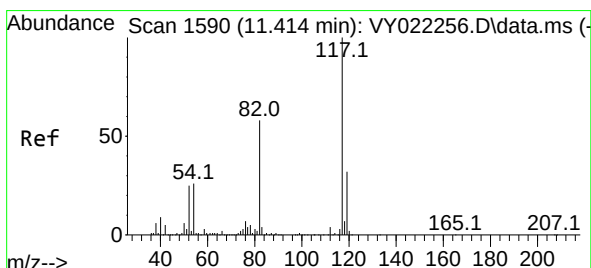
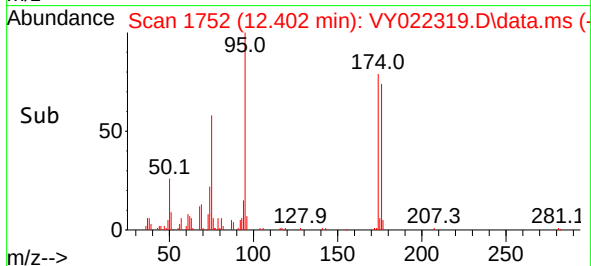
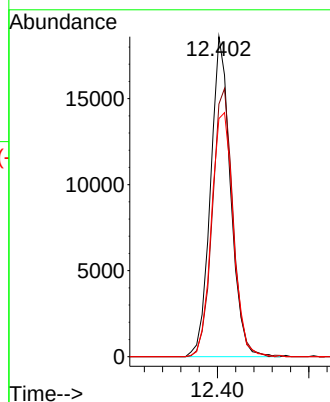
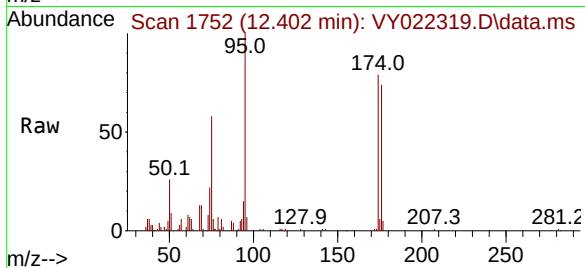




#62
4-Bromofluorobenzene
Concen: 29.248 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

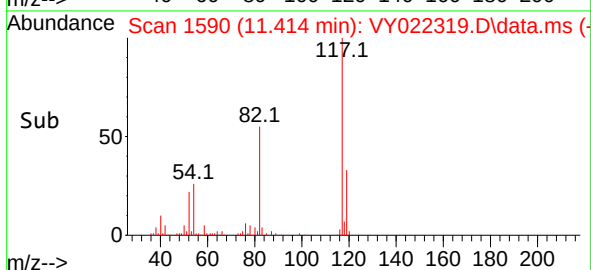
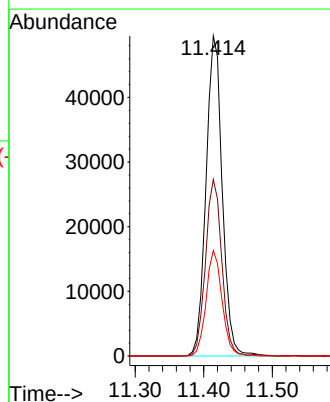
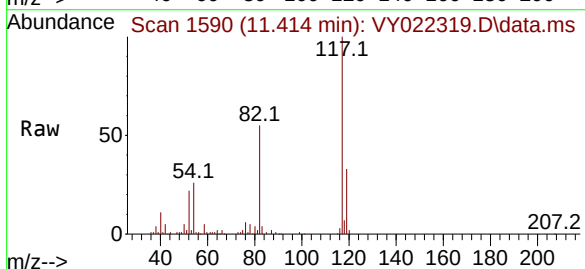
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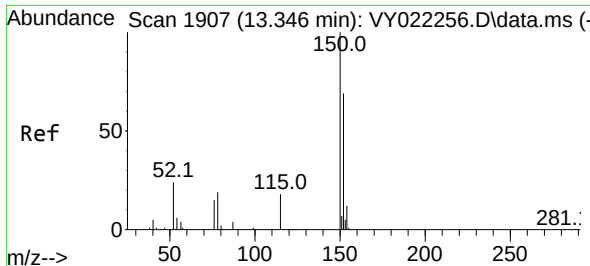
Tgt Ion: 95 Resp: 28267
Ion Ratio Lower Upper
95 100
174 86.0 0.0 166.8
176 83.6 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022319.D
Acq: 19 May 2025 15:22

Tgt Ion: 117 Resp: 81586
Ion Ratio Lower Upper
117 100
82 55.1 46.6 70.0
119 33.0 25.8 38.6

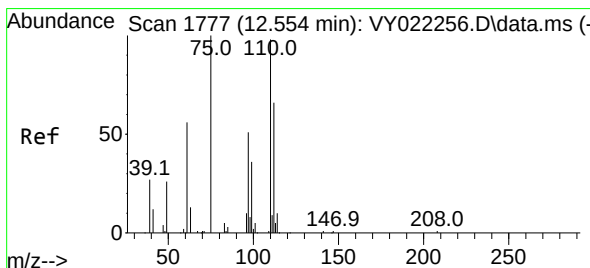
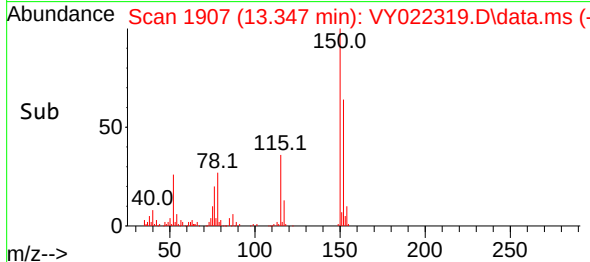
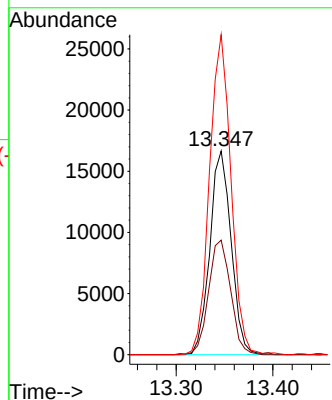
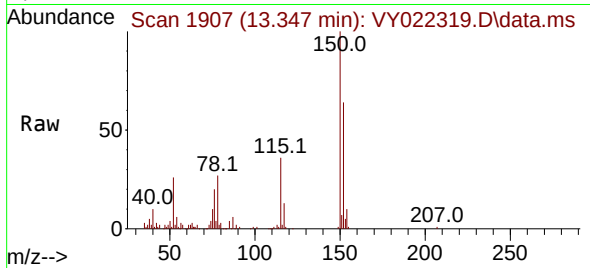




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022319.D
 Acq: 19 May 2025 15:22

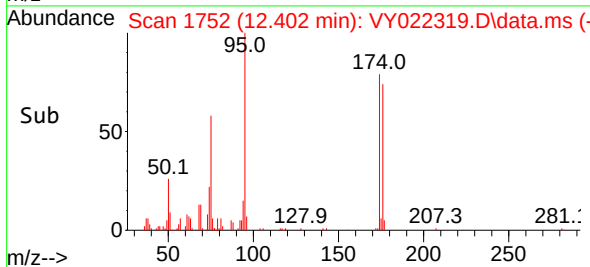
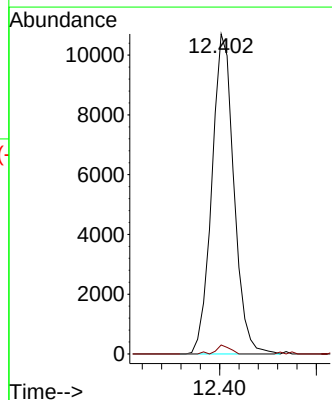
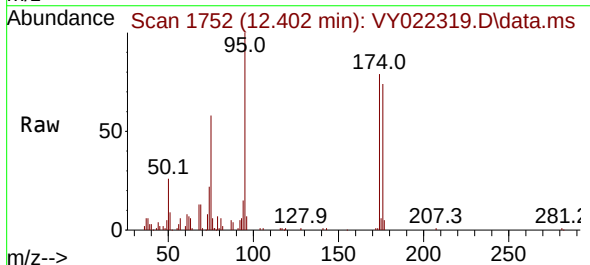
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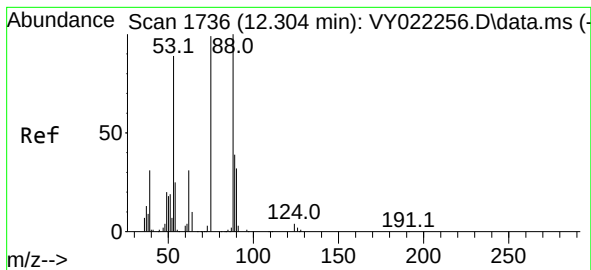
Tgt Ion:152 Resp: 25538
 Ion Ratio Lower Upper
 152 100
 115 58.3 29.4 88.2
 150 158.1 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 65.575 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022319.D
 Acq: 19 May 2025 15:22

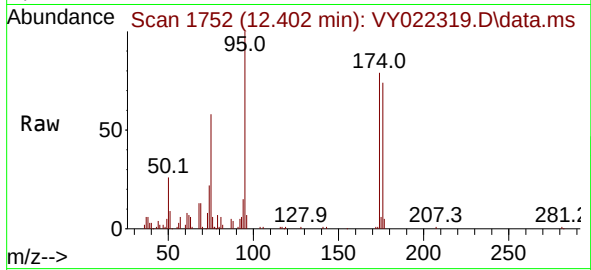
Tgt Ion: 75 Resp: 16966
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.838 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022319.D
 Acq: 19 May 2025 15:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-5-VOC



Tgt Ion: 75 Resp: 16966
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.0 36.2 54.2#

