

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021943.D
 Acq On : 21 Apr 2025 13:10
 Operator : SY/MD
 Sample : Q1842-14
 Misc : 5.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-10

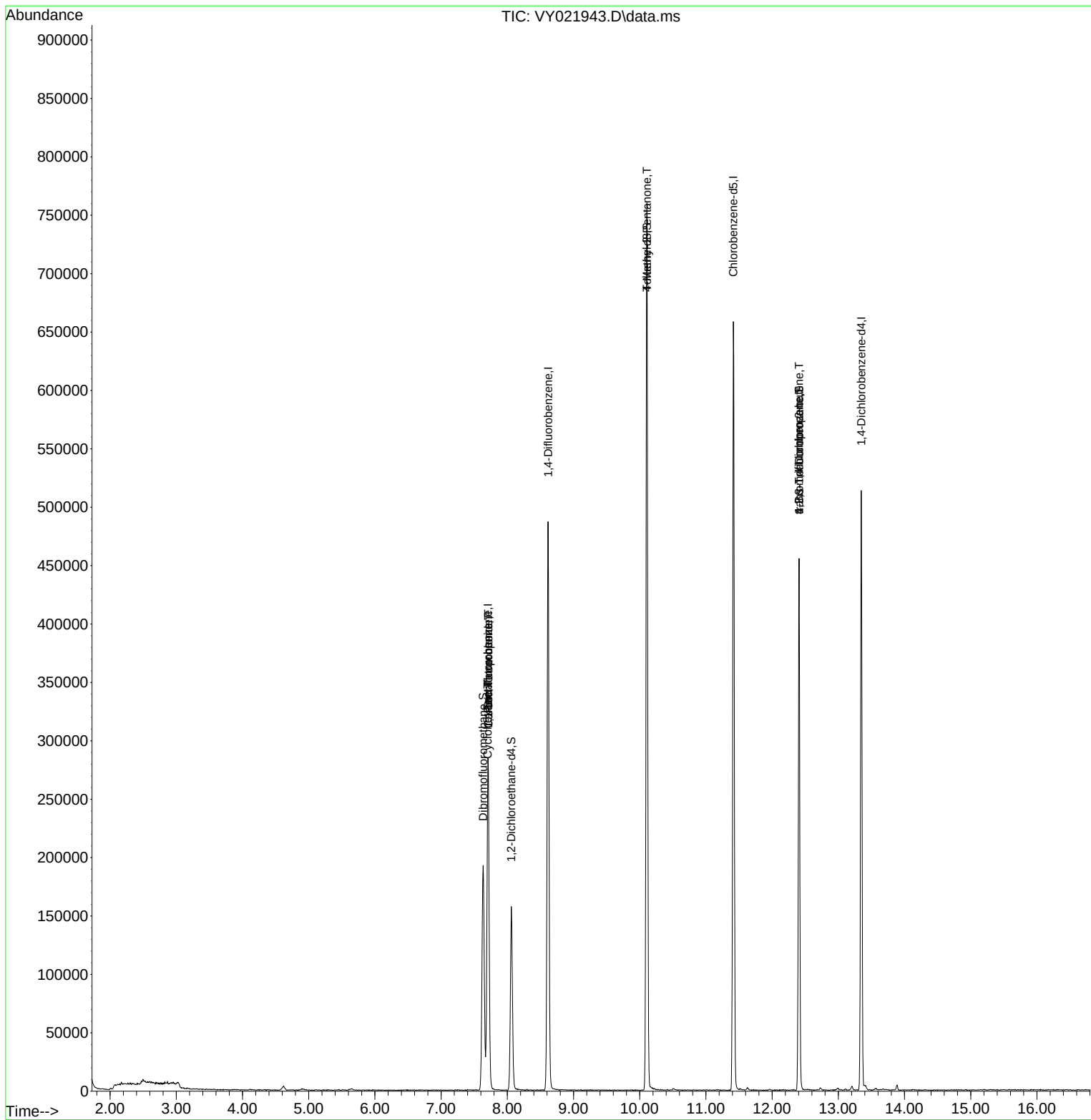
Quant Time: Apr 22 02:44:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

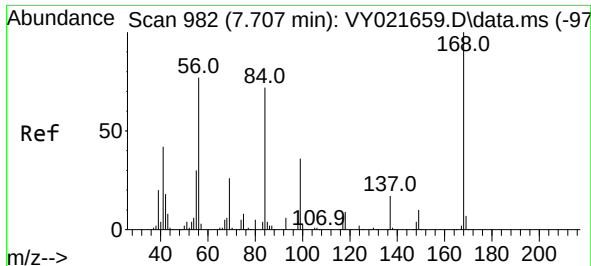
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	212510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	400532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	345199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120613	52.384	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.760%	
35) Dibromofluoromethane	7.634	113	135386	52.108	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.220%	
50) Toluene-d8	10.109	98	487654	49.336	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	12.408	95	131641	39.374	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.740%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.616	84	2085	Below Cal	#	57
31) Cyclohexane	7.701	56	4786	1.178	ug/l #	30
36) 1,1-Dichloropropene	7.713	75	17257	4.361	ug/l #	51
38) Carbon Tetrachloride	7.713	117	21136	4.663	ug/l #	15
51) 4-Methyl-2-Pentanone	10.109	43	2449	1.330	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	67981	54.287	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	67981	125.087	ug/l #	12

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

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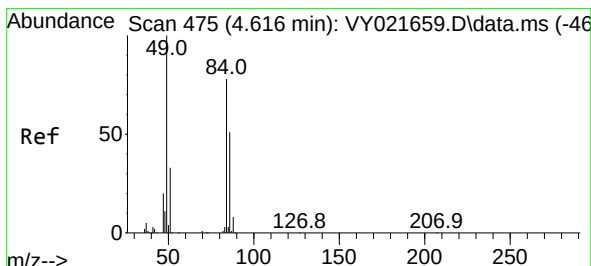
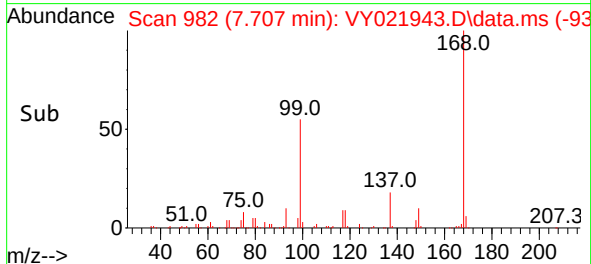
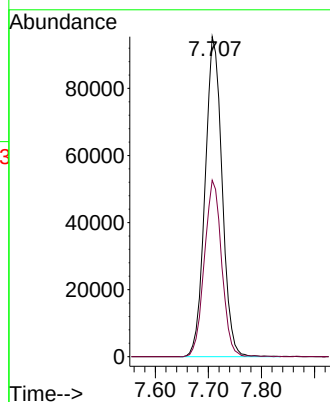
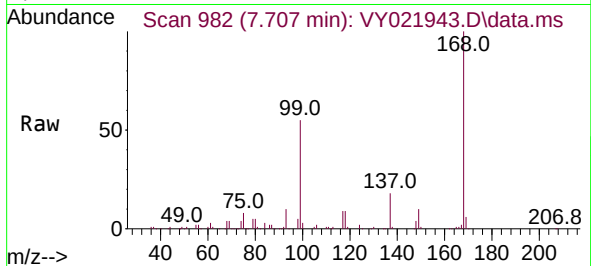




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

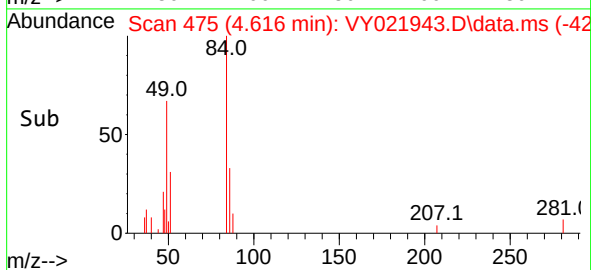
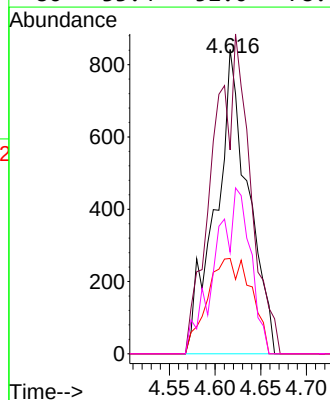
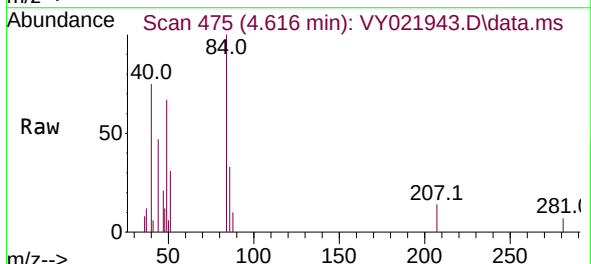
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-10

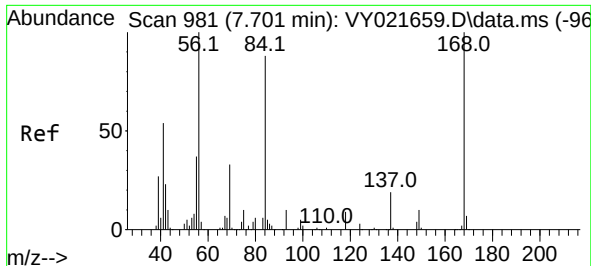
Tgt Ion:168 Resp: 212510
Ion Ratio Lower Upper
168 100
99 55.1 46.7 70.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

Tgt Ion: 84 Resp: 2085
Ion Ratio Lower Upper
84 100
49 67.0 102.8 154.2#
51 31.4 33.5 50.3#
86 33.4 52.0 78.0#

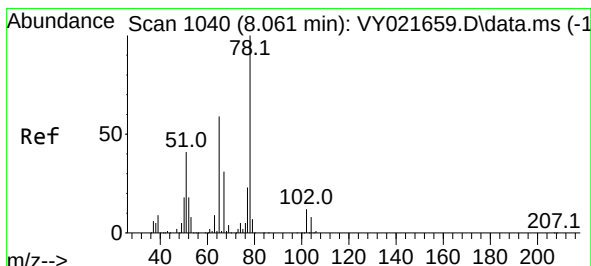
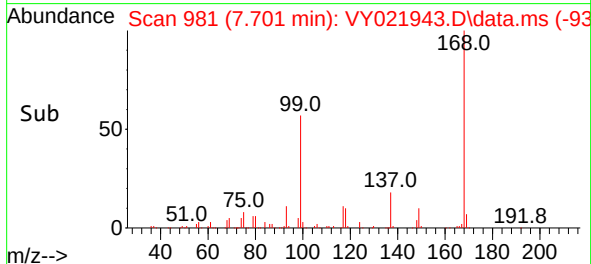
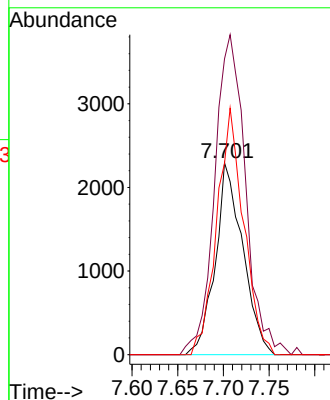
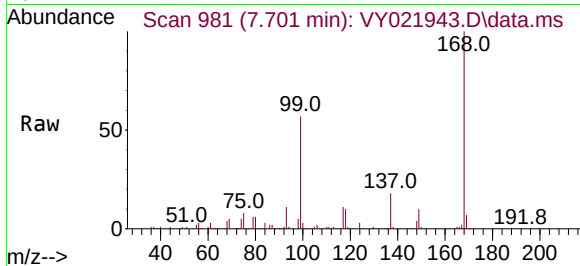




#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

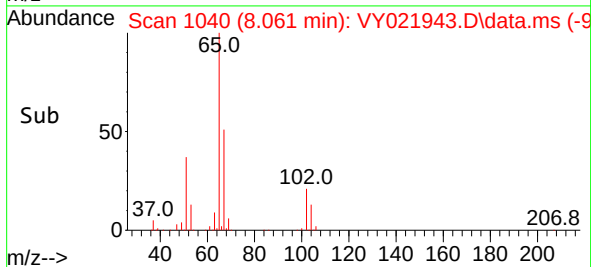
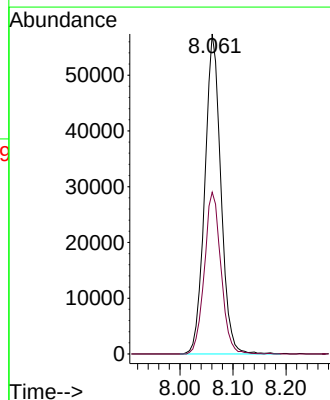
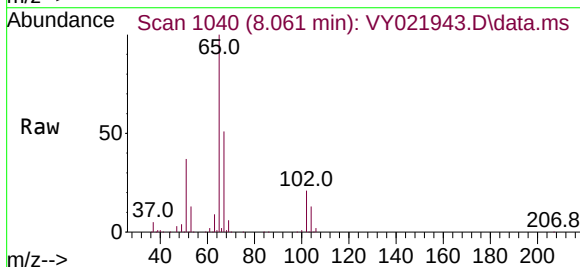
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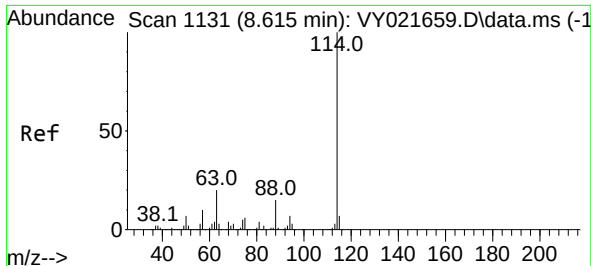
Tgt Ion: 56 Resp: 4786
Ion Ratio Lower Upper
56 100
69 154.1 26.6 40.0#
84 99.6 69.0 103.4



#33
1,2-Dichloroethane-d4
Concen: 52.384 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

Tgt Ion: 65 Resp: 120613
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6

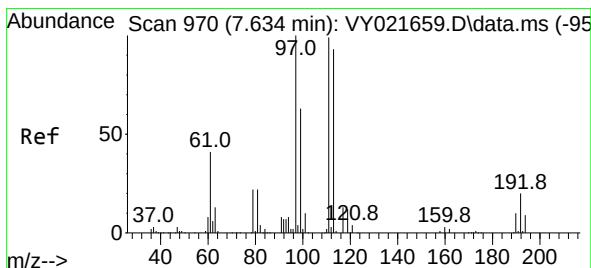
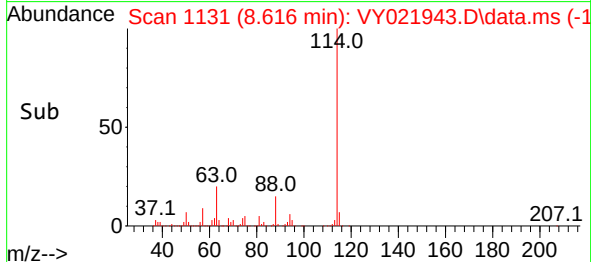
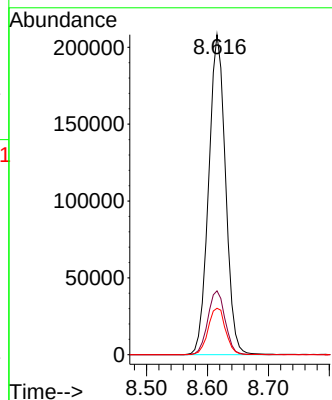
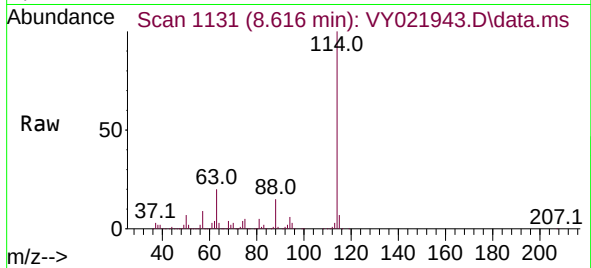




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

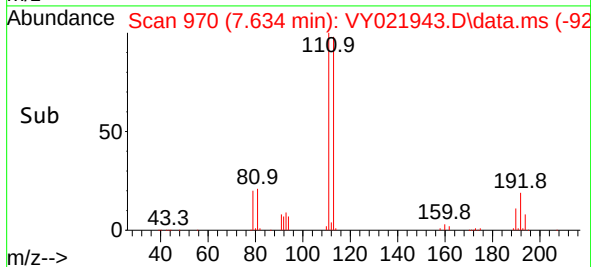
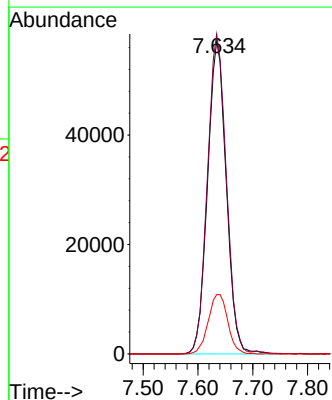
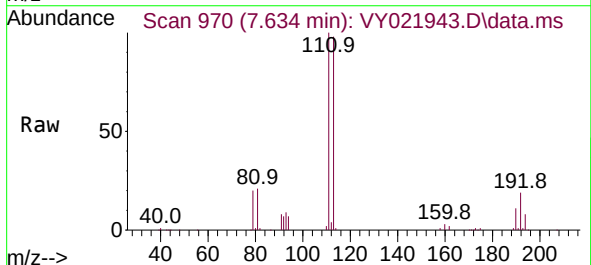
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-10

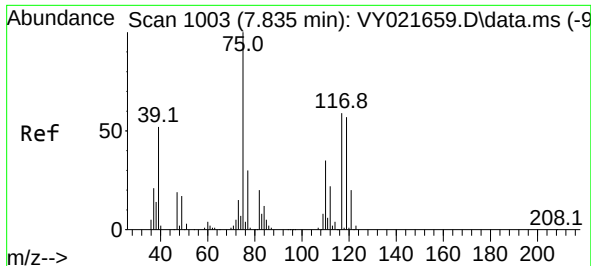
Tgt Ion:114 Resp: 400532
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.2
88 14.5 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.108 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

Tgt Ion:113 Resp: 135386
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 19.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.361 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY021943.D

Acq: 21 Apr 2025 13:10

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-10

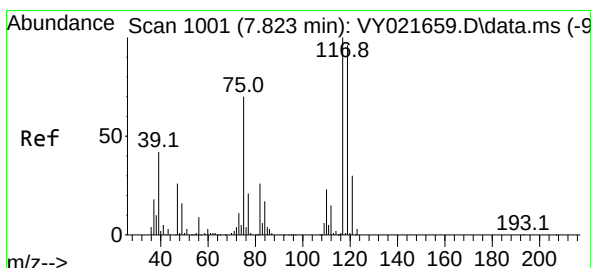
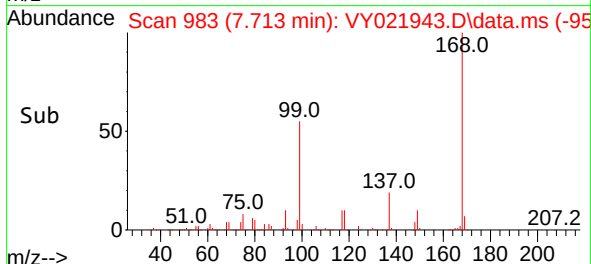
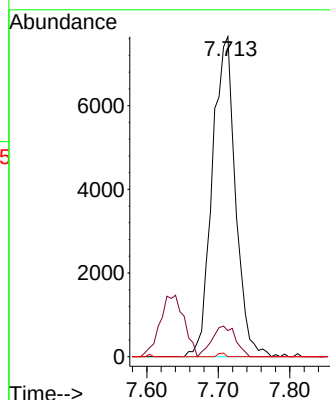
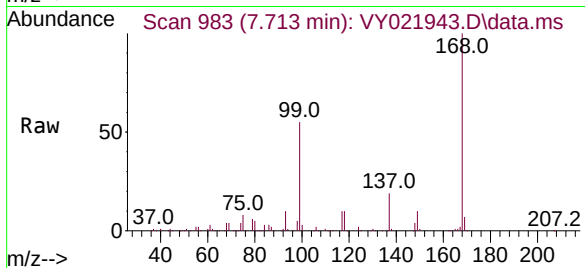
Tgt Ion: 75 Resp: 17257

Ion Ratio Lower Upper

75 100

110 9.8 17.0 50.9#

77 0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.663 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021943.D

Acq: 21 Apr 2025 13:10

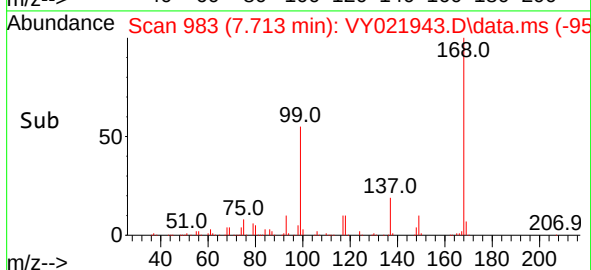
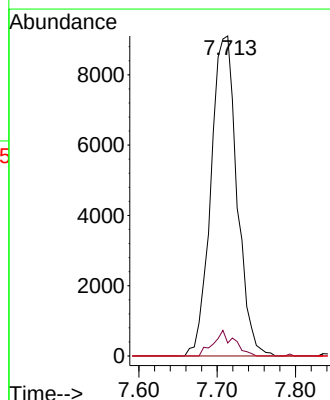
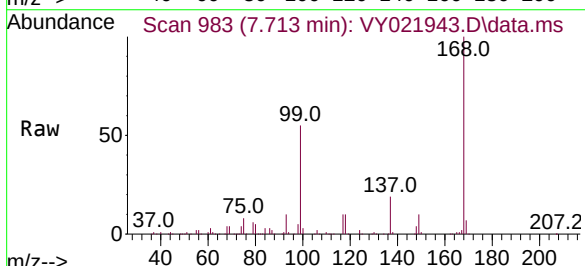
Tgt Ion: 117 Resp: 21136

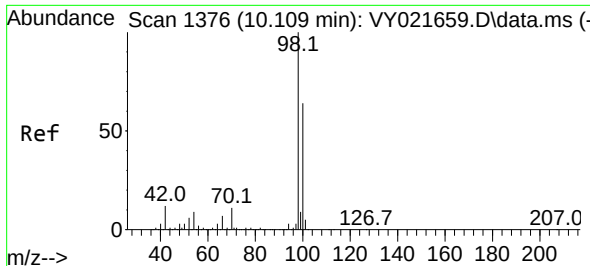
Ion Ratio Lower Upper

117 100

119 4.0 76.2 114.4#

121 0.0 24.2 36.4#

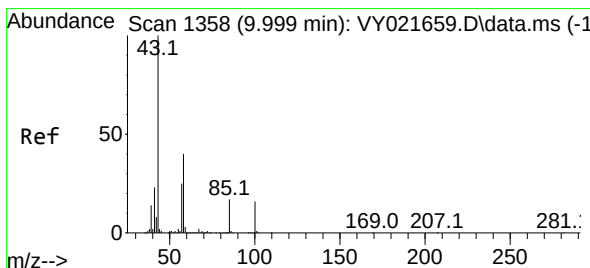
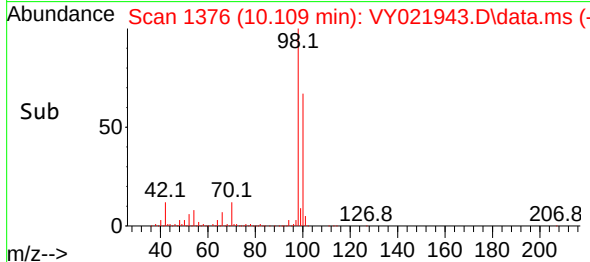
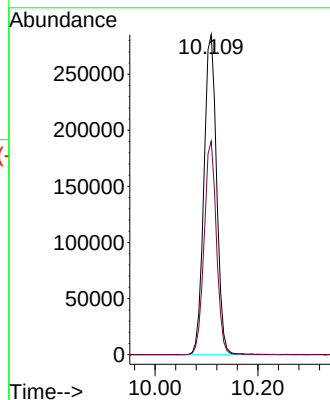
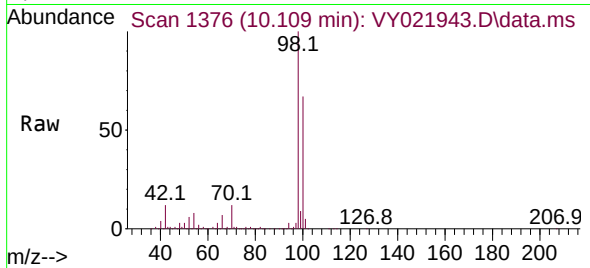




#50
Toluene-d8
Concen: 49.336 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

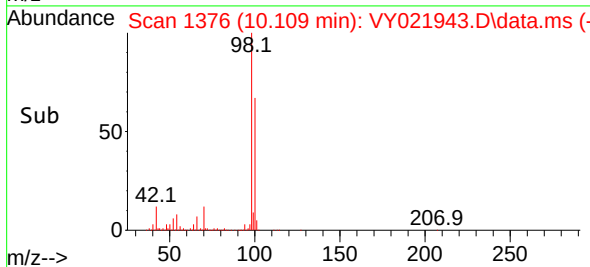
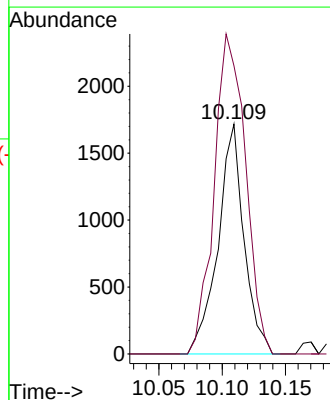
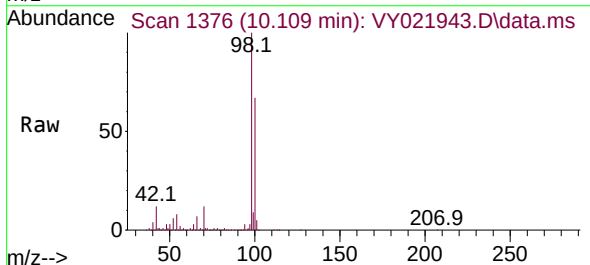
Instrument :
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PL-714-VOC-10

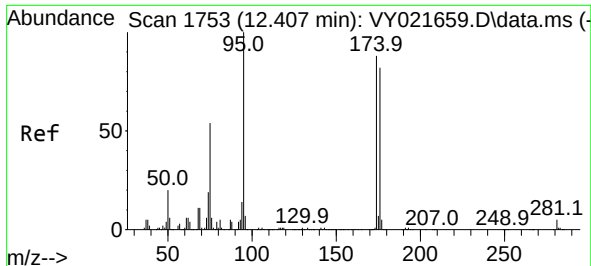
Tgt Ion: 98 Resp: 487654
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.330 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

Tgt Ion: 43 Resp: 2449
Ion Ratio Lower Upper
43 100
58 168.1 31.5 47.3#

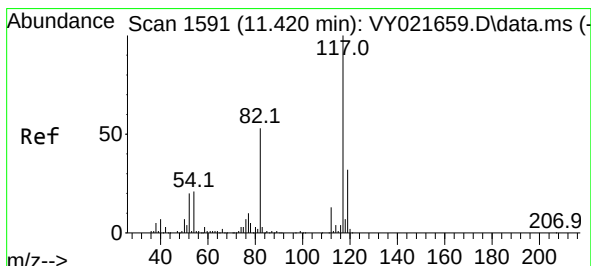
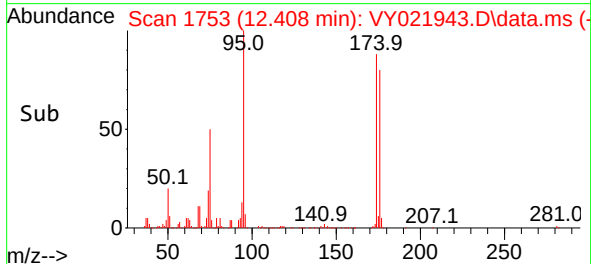
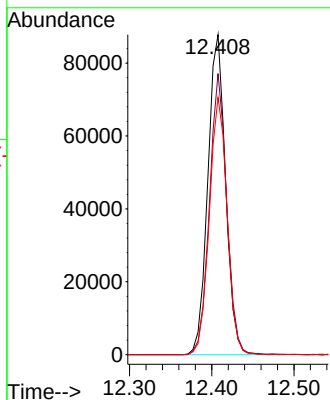
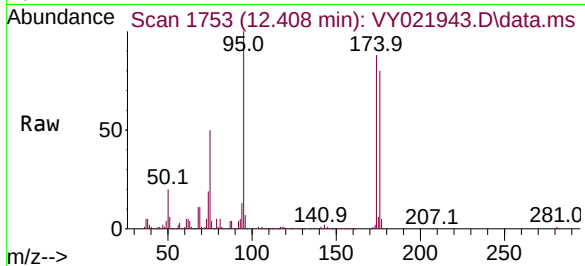




#62
4-Bromofluorobenzene
Concen: 39.374 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

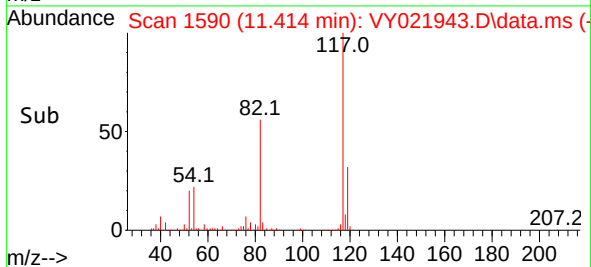
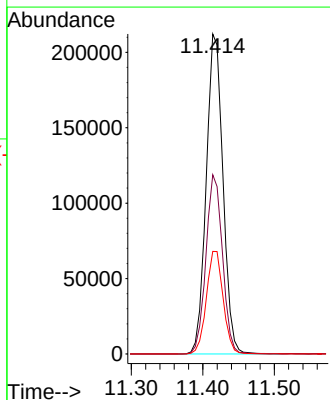
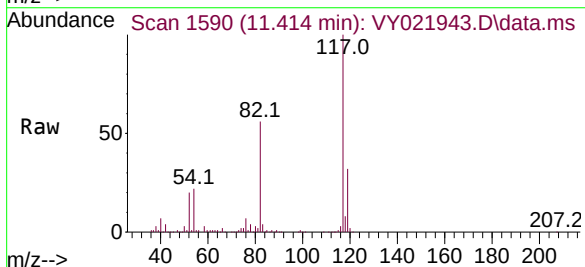
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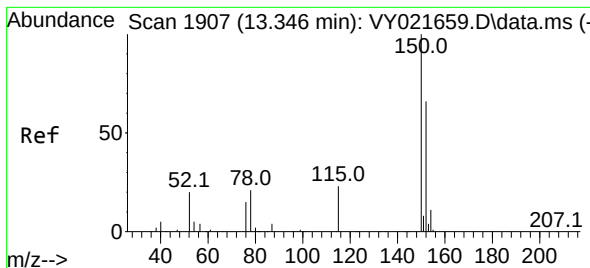
Tgt Ion: 95 Resp: 131641
Ion Ratio Lower Upper
95 100
174 85.6 0.0 170.8
176 80.4 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021943.D
Acq: 21 Apr 2025 13:10

Tgt Ion: 117 Resp: 345199
Ion Ratio Lower Upper
117 100
82 56.0 42.8 64.2
119 32.1 25.7 38.5

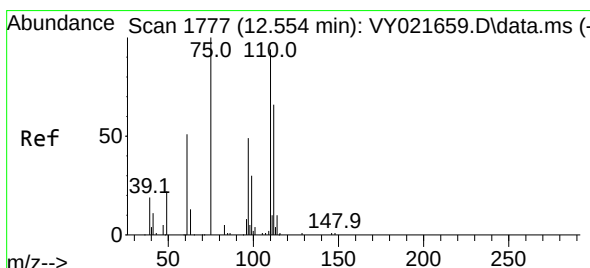
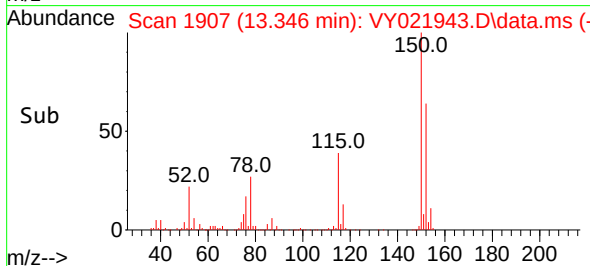
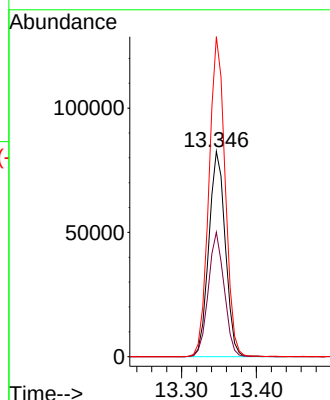
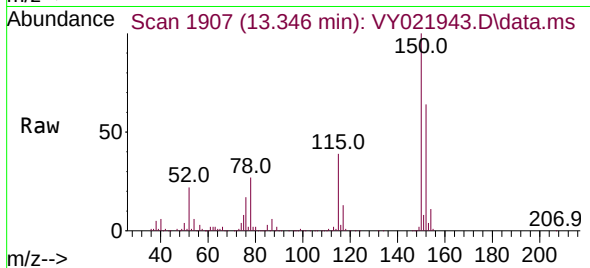




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021943.D
 Acq: 21 Apr 2025 13:10

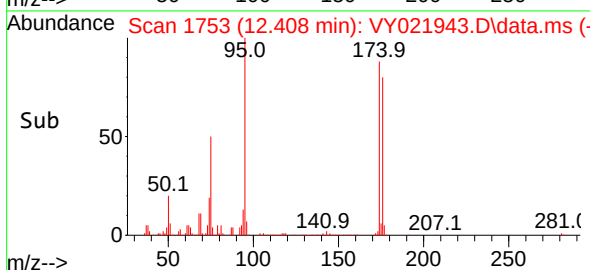
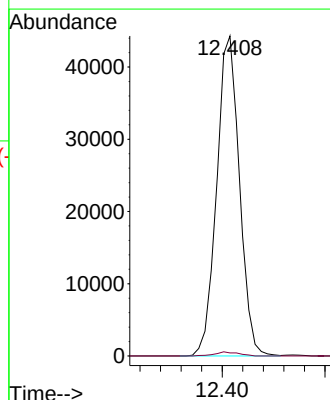
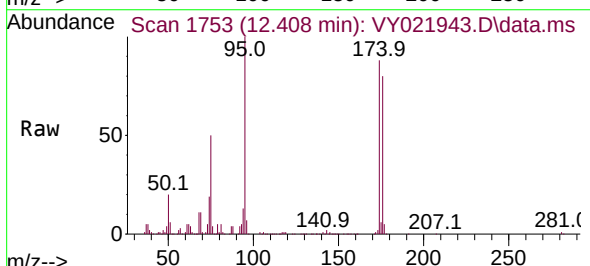
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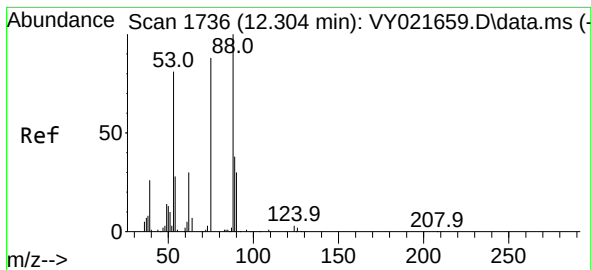
Tgt Ion:152 Resp: 126329
 Ion Ratio Lower Upper
 152 100
 115 58.4 28.8 86.5
 150 153.0 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 54.287 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021943.D
 Acq: 21 Apr 2025 13:10

Tgt Ion: 75 Resp: 67981
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.087 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021943.D
 Acq: 21 Apr 2025 13:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-10

Tgt Ion: 75 Resp: 67981
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

