

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021928.D
 Acq On : 18 Apr 2025 14:10
 Operator : SY/MD
 Sample : Q1832-20
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-04

Quant Time: Apr 19 01:13:17 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)

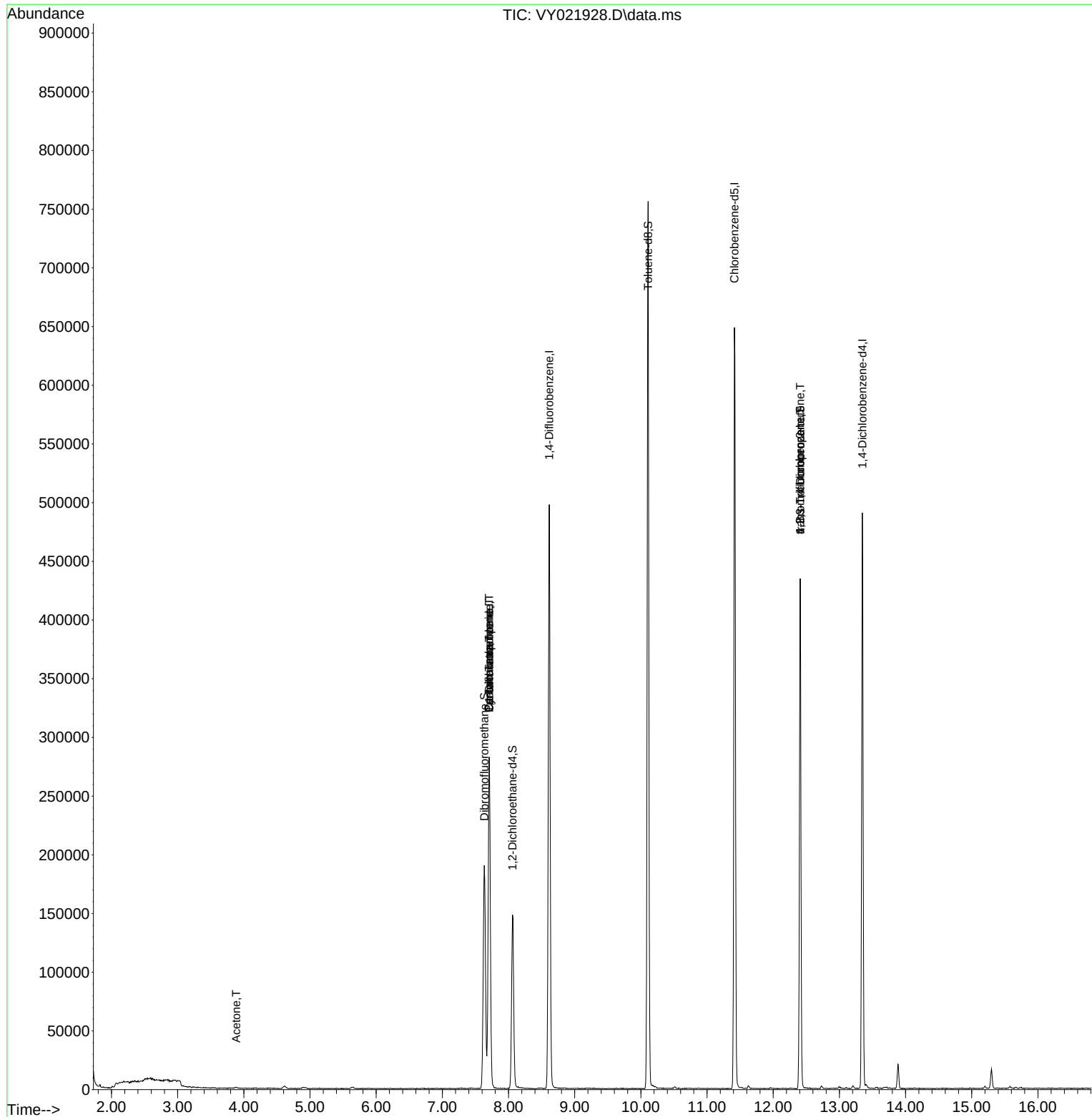
Internal Standards						
1) Pentafluorobenzene	7.707	168	212914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	402065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	337699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	117861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117907	51.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.220%	
35) Dibromofluoromethane	7.634	113	133110	51.037	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.080%	
50) Toluene-d8	10.109	98	480389	48.416	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.840%	
62) 4-Bromofluorobenzene	12.408	95	127849	38.094	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.180%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1406	2.978	ug/l #	85
20) Methylene Chloride	4.604	84	1413	Below Cal	#	73
31) Cyclohexane	7.707	56	5337	1.311	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	17436	4.389	ug/l #	50
38) Carbon Tetrachloride	7.707	117	21906	4.815	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	68444	58.584	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	68444	134.987	ug/l #	12

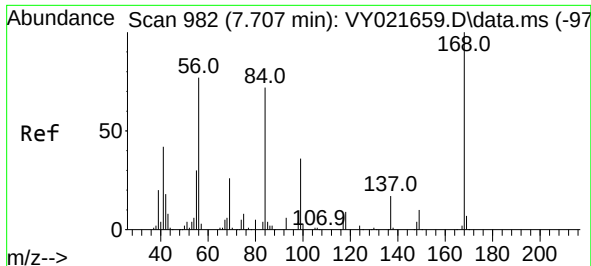
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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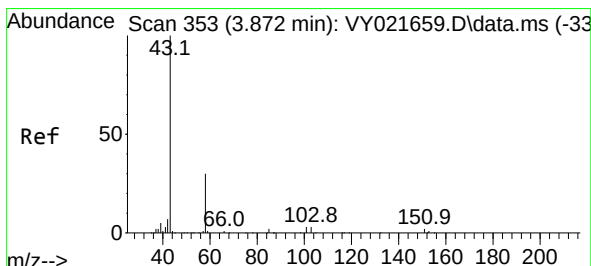
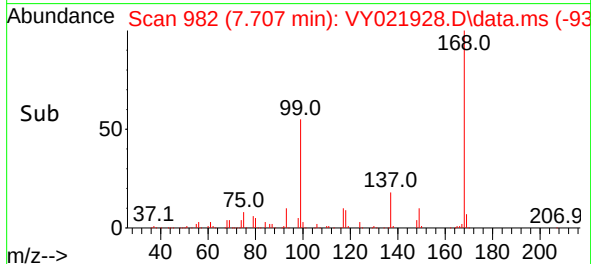
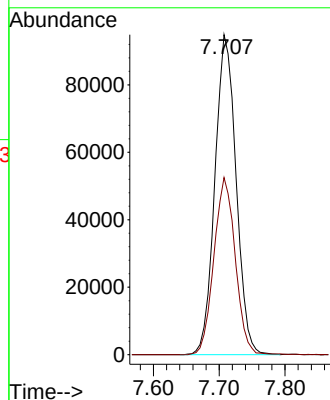
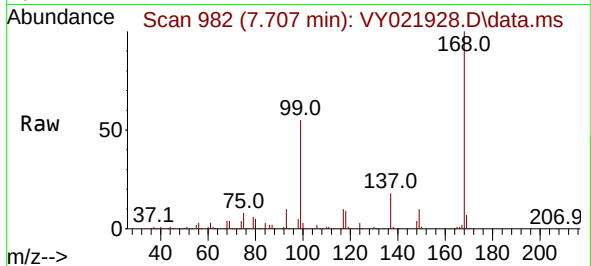




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

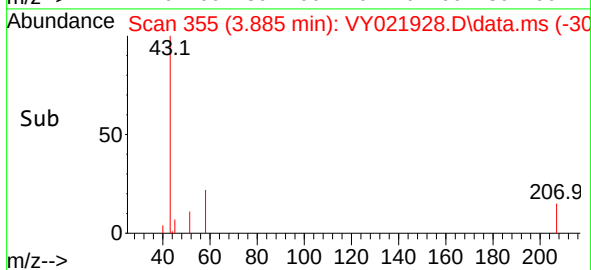
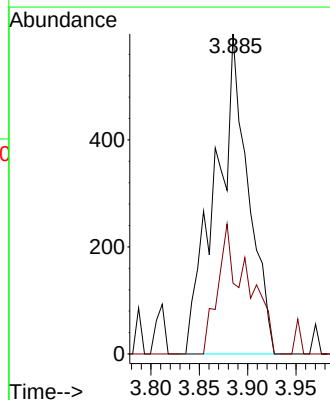
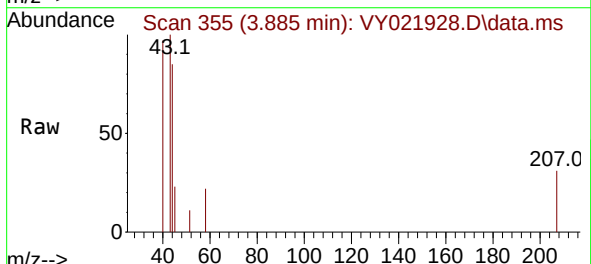
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-04

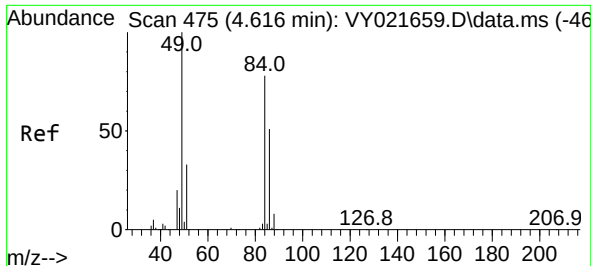
Tgt Ion:168 Resp: 212914
Ion Ratio Lower Upper
168 100
99 55.4 46.7 70.1



#16
Acetone
Concen: 2.978 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

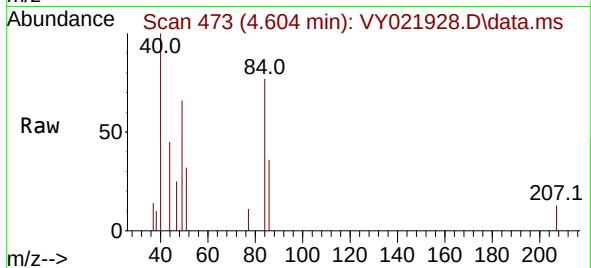
Tgt Ion: 43 Resp: 1406
Ion Ratio Lower Upper
43 100
58 22.1 24.2 36.4#



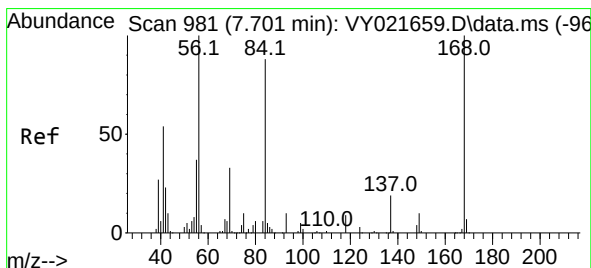
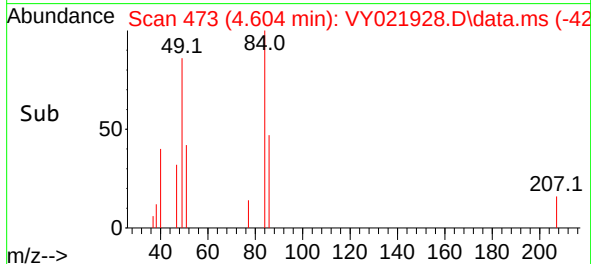
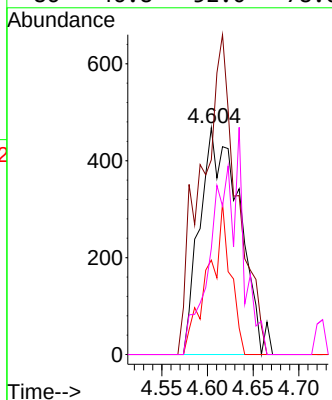


#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-04

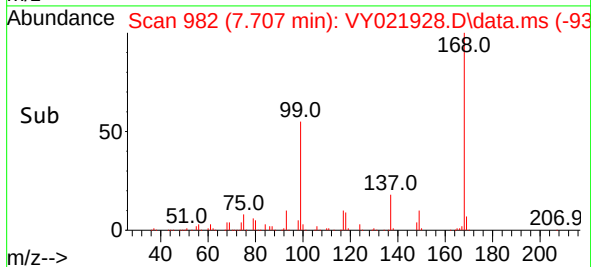
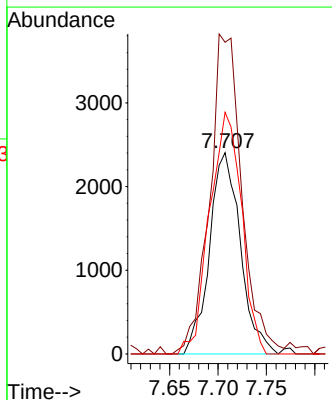
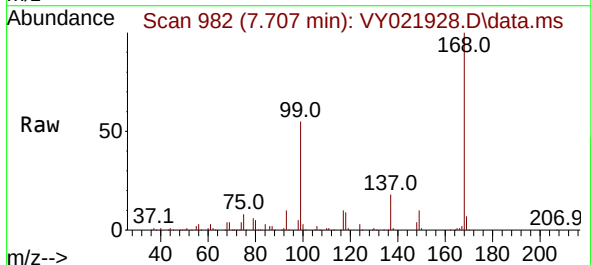


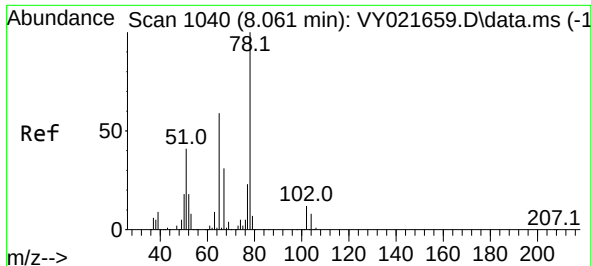
Tgt Ion:	84	Resp:	1413
Ion	Ratio	Lower	Upper
84	100		
49	85.9	102.8	154.2#
51	41.7	33.5	50.3
86	46.8	52.0	78.0#



#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

Tgt Ion:	56	Resp:	5337
Ion	Ratio	Lower	Upper
56	100		
69	152.7	26.6	40.0#
84	120.1	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 51.111 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021928.D

Acq: 18 Apr 2025 14:10

Instrument :

MSVOA_Y

ClientSampleId :

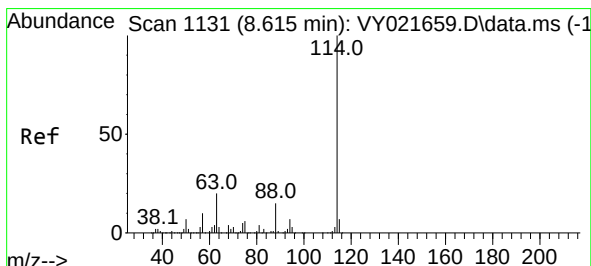
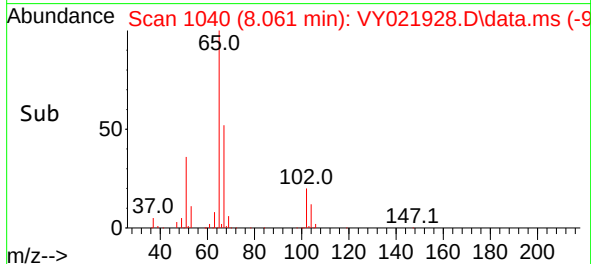
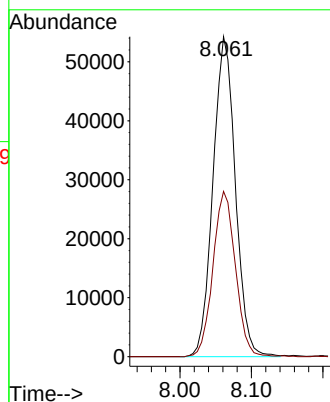
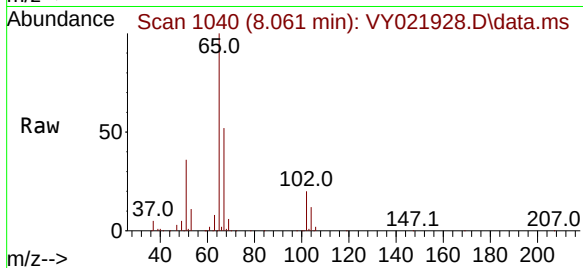
PL-714-VOC-04

Tgt Ion: 65 Resp: 117907

Ion Ratio Lower Upper

65 100

67 51.8 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: VY021928.D

Acq: 18 Apr 2025 14:10

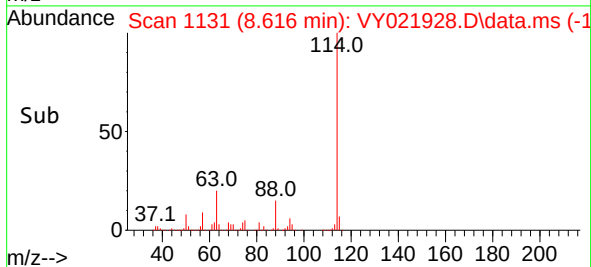
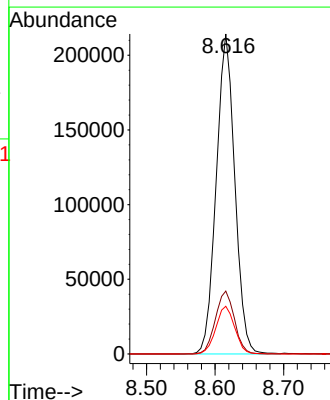
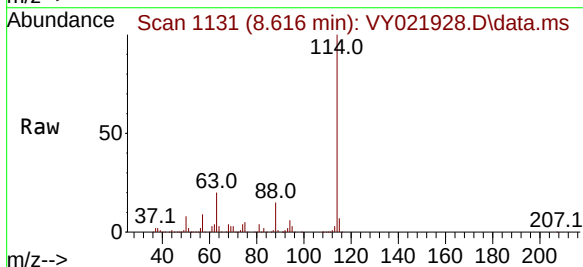
Tgt Ion: 114 Resp: 402065

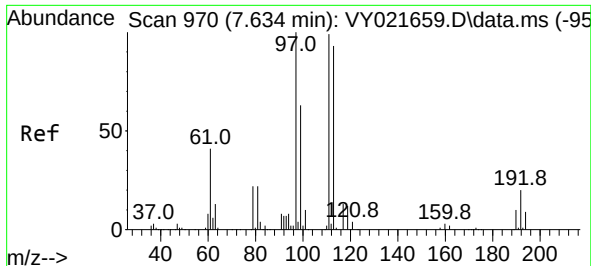
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

88 14.9 0.0 29.8

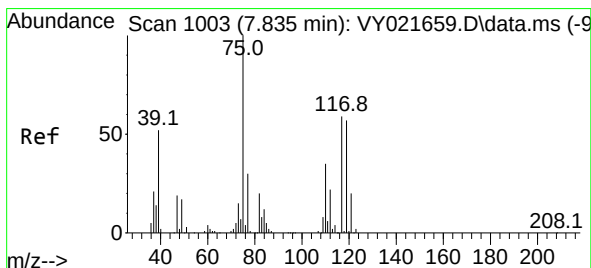
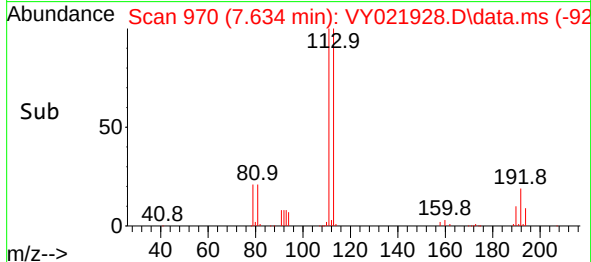
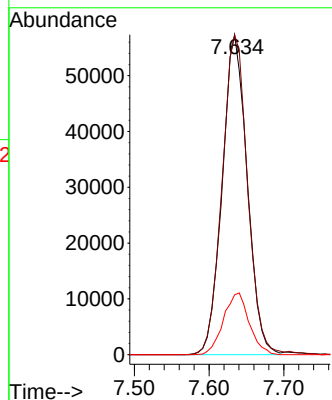
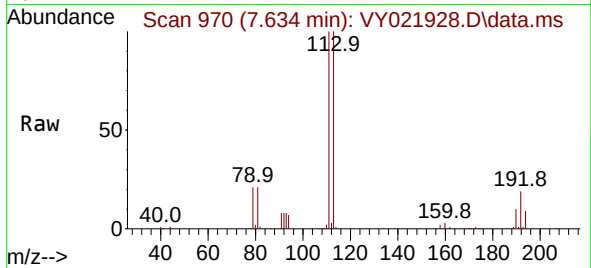




#35
Dibromofluoromethane
Concen: 51.037 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

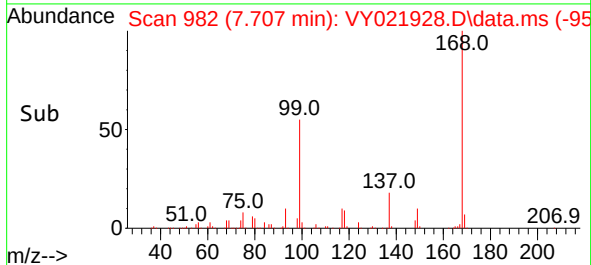
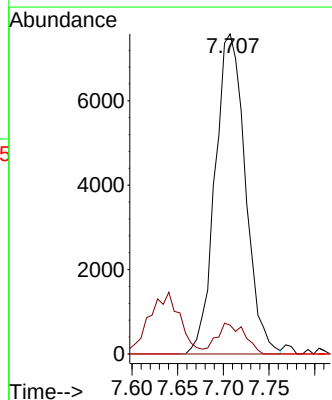
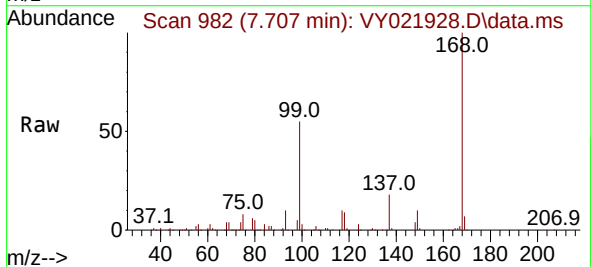
Instrument :
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ClientSampleId :
PL-714-VOC-04

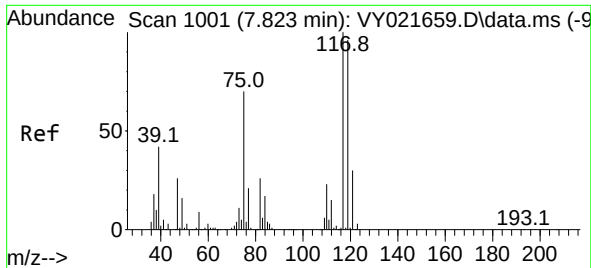
Tgt Ion:113 Resp: 133110
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 19.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.389 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 75 Resp: 17436
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.8 37.2#

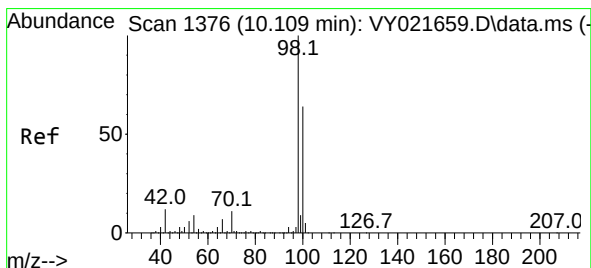
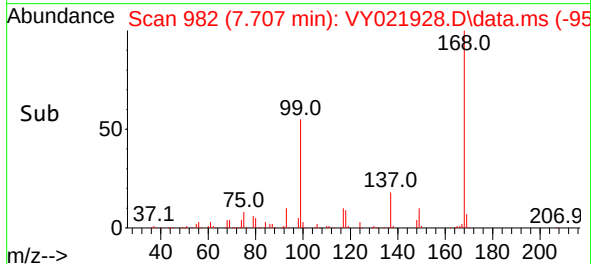
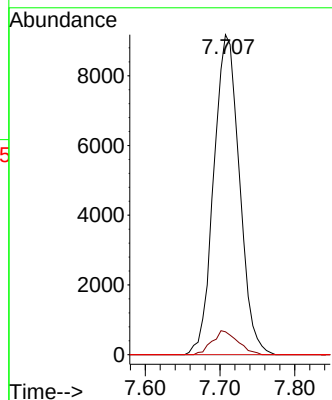
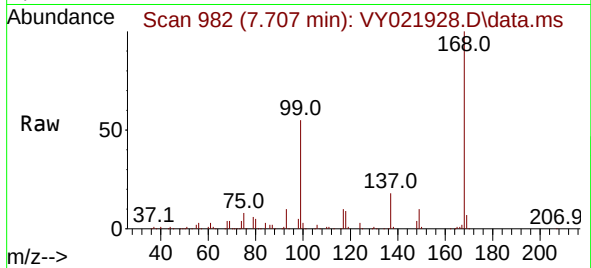




#38
Carbon Tetrachloride
Concen: 4.815 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

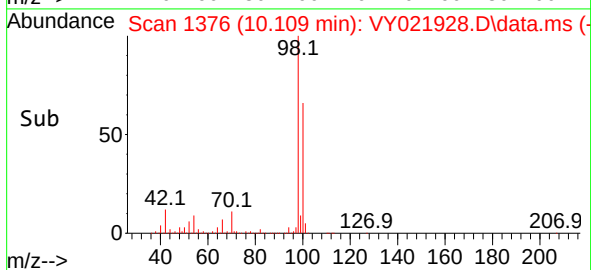
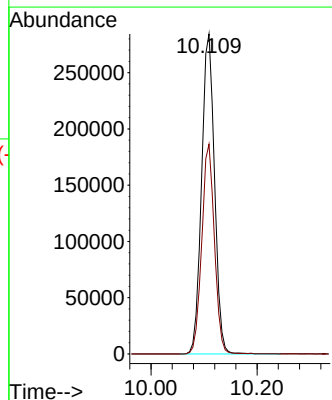
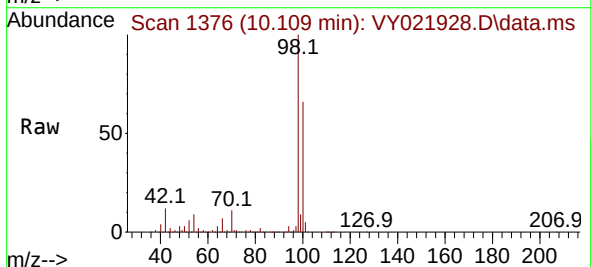
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-04

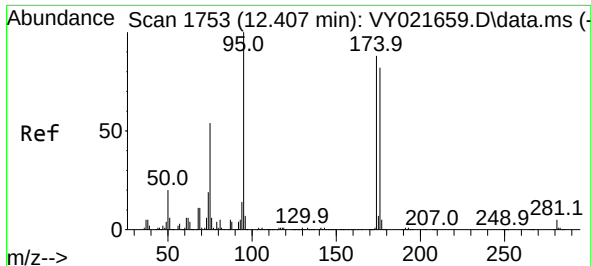
Tgt Ion:117 Resp: 21906
Ion Ratio Lower Upper
117 100
119 7.2 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.416 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 98 Resp: 480389
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

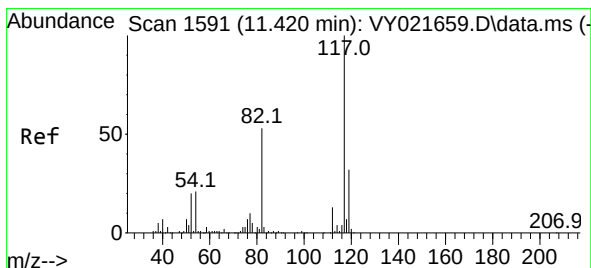
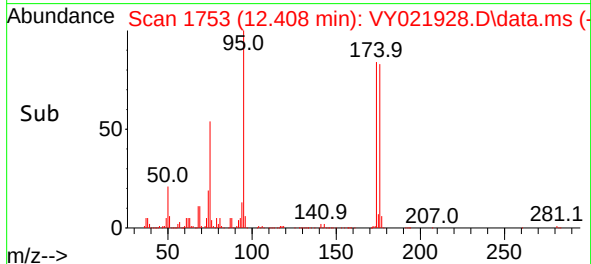
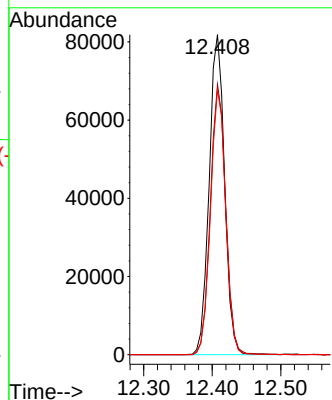
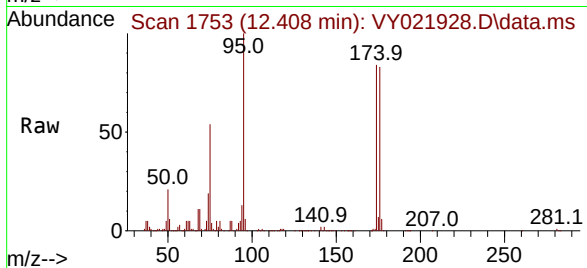




#62
4-Bromofluorobenzene
Concen: 38.094 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

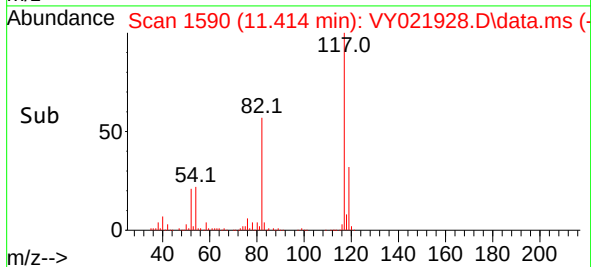
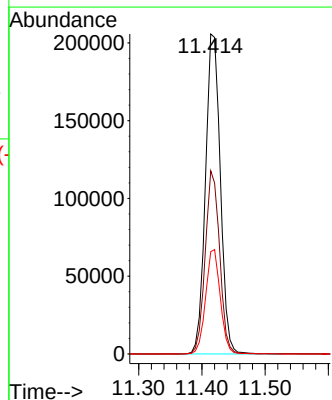
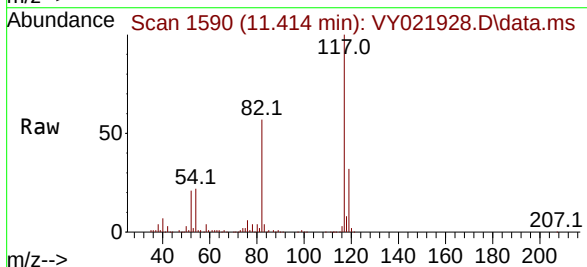
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PL-714-VOC-04

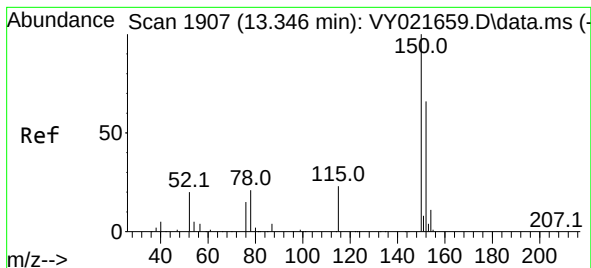
Tgt Ion: 95 Resp: 127849
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.8
176 81.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 117 Resp: 337699
Ion Ratio Lower Upper
117 100
82 57.2 42.8 64.2
119 32.0 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021928.D

Acq: 18 Apr 2025 14:10

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-04

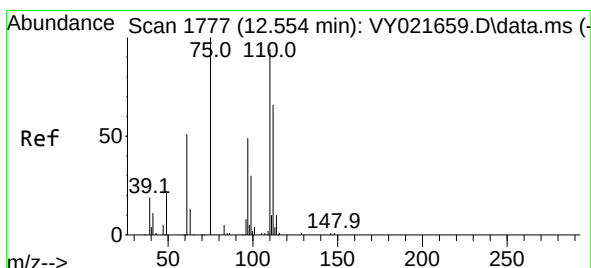
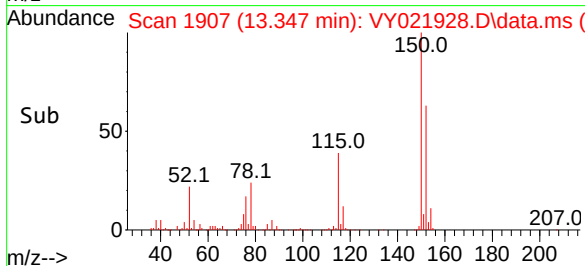
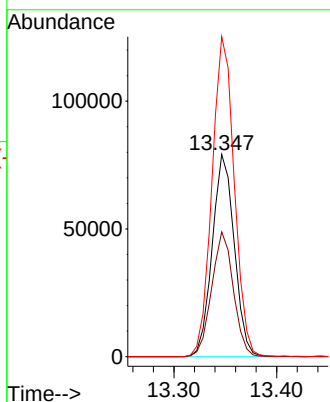
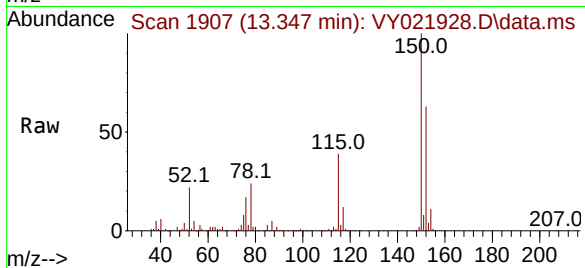
Tgt Ion:152 Resp: 117861

Ion Ratio Lower Upper

152 100

115 60.8 28.8 86.5

150 159.9 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 58.584 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021928.D

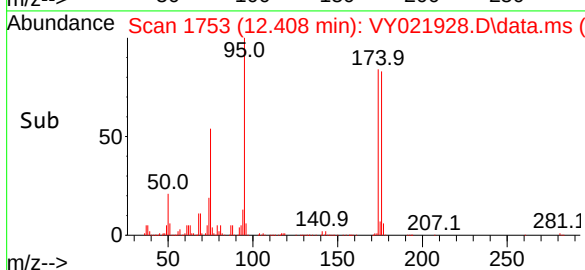
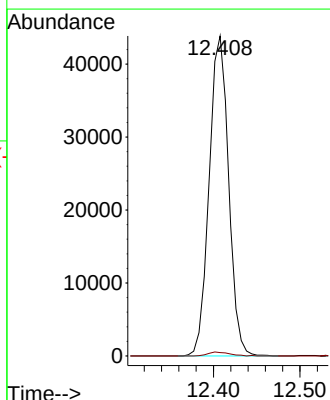
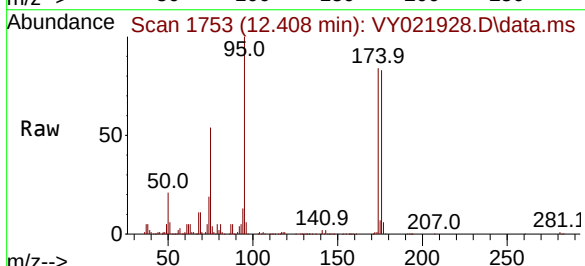
Acq: 18 Apr 2025 14:10

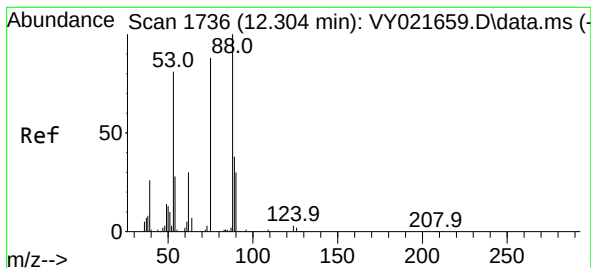
Tgt Ion: 75 Resp: 68444

Ion Ratio Lower Upper

75 100

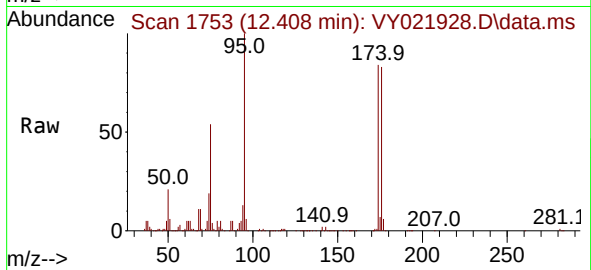
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.987 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021928.D
 Acq: 18 Apr 2025 14:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-04



Tgt Ion: 75 Resp: 68444
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.1 36.2 54.4#

