

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
 Data File : VY022204.D
 Acq On : 08 May 2025 11:53
 Operator : SY/MD
 Sample : Q1976-01
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-207

Quant Time: May 09 05:06:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	64208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	77518	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	40659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	6200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	10152	17.117	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	34.240%#
35) Dibromofluoromethane	7.634	113	21410	41.806	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.620%
50) Toluene-d8	10.109	98	82222	42.586	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.180%
62) 4-Bromofluorobenzene	12.407	95	8965	13.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	27.580%#
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	42	Below Cal	#	41
31) Cyclohexane	7.701	56	1370	1.397	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	5083	7.389	ug/l #	43
38) Carbon Tetrachloride	7.707	117	6278	7.637	ug/l #	18
51) 4-Methyl-2-Pentanone	10.109	43	343	1.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	4860	91.515	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	4860	220.382	ug/l #	16

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

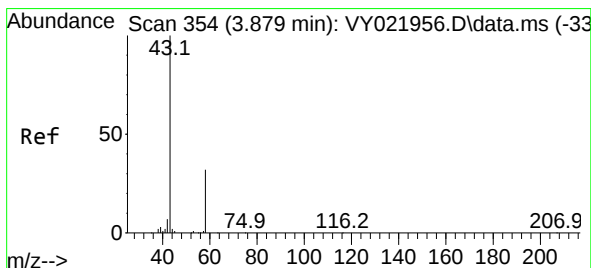
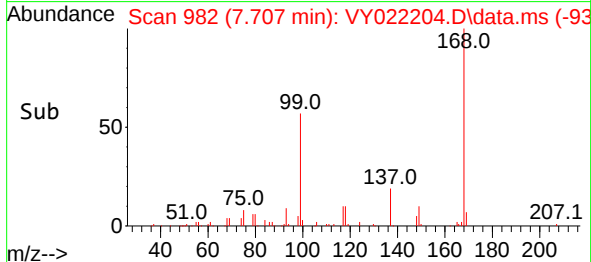
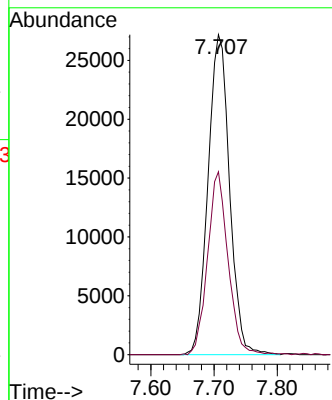
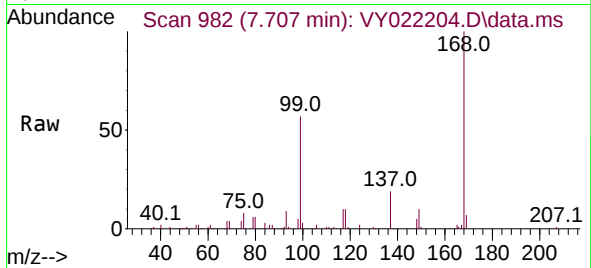




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

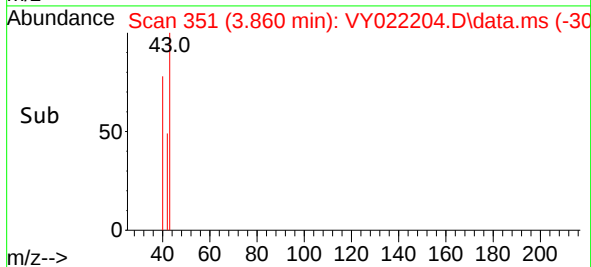
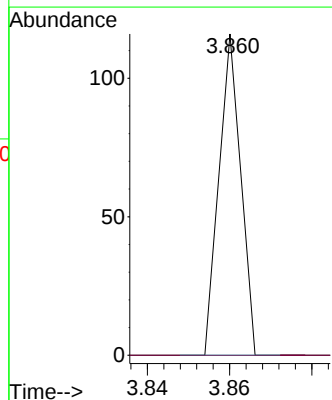
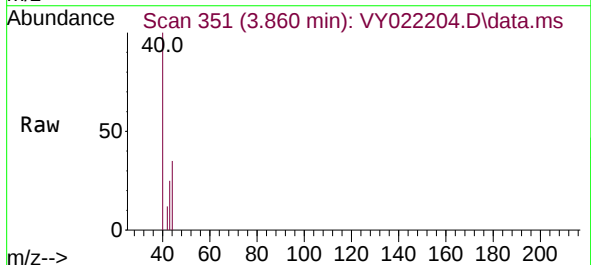
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

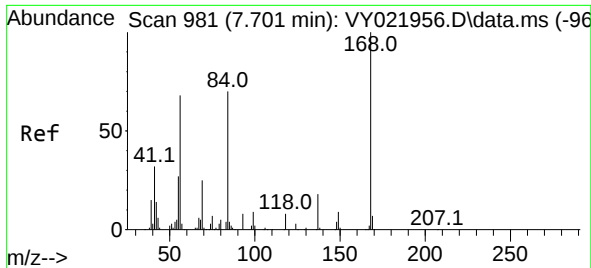
Tgt Ion:168 Resp: 64208
Ion Ratio Lower Upper
168 100
99 57.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

Tgt Ion: 43 Resp: 42
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

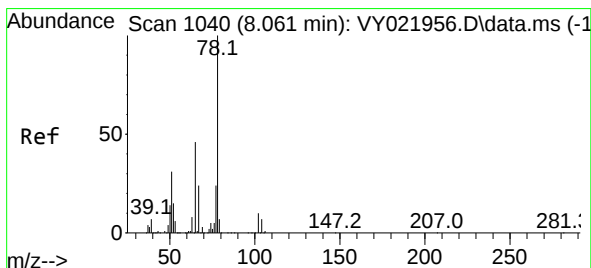
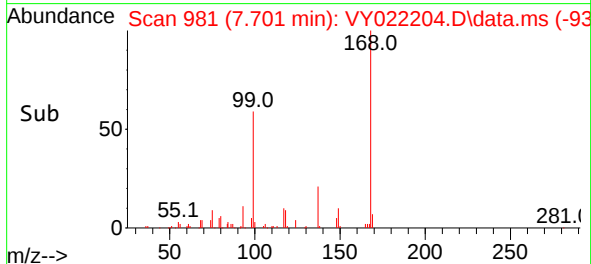
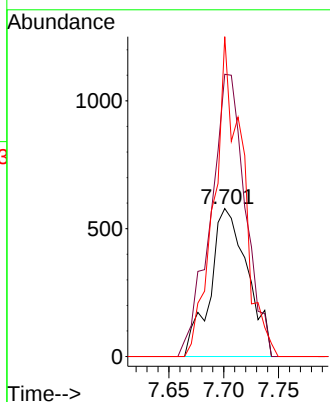
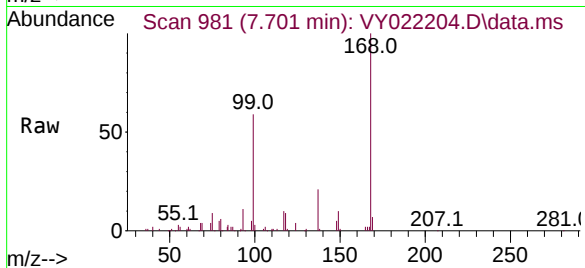




#31
Cyclohexane
Concen: 1.397 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

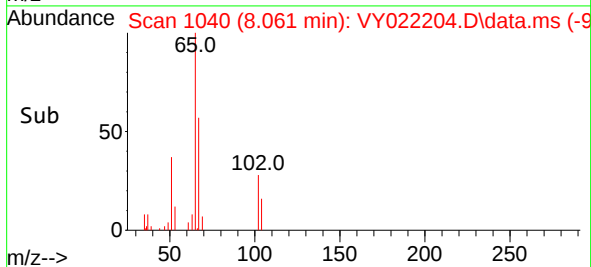
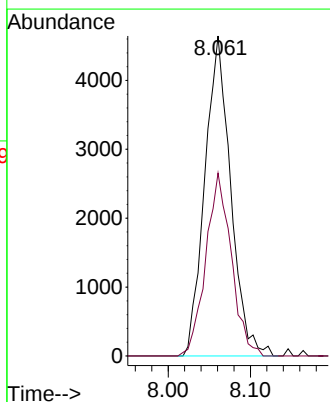
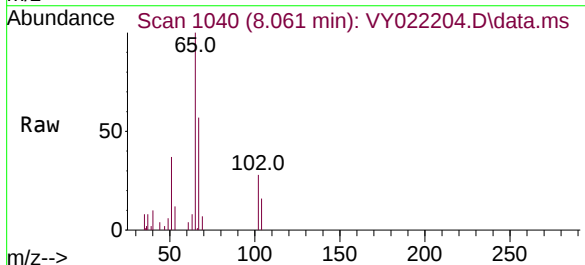
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

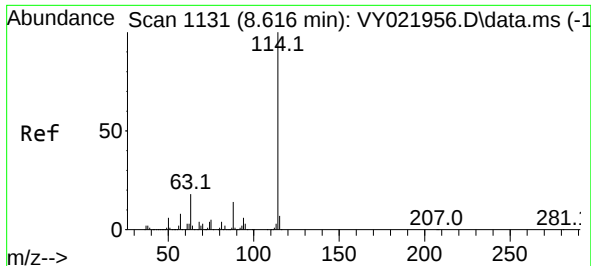
Tgt Ion: 56 Resp: 1370
Ion Ratio Lower Upper
56 100
69 190.7 29.4 44.2#
84 216.1 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 17.117 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

Tgt Ion: 65 Resp: 10152
Ion Ratio Lower Upper
65 100
67 56.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022204.D

Acq: 08 May 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

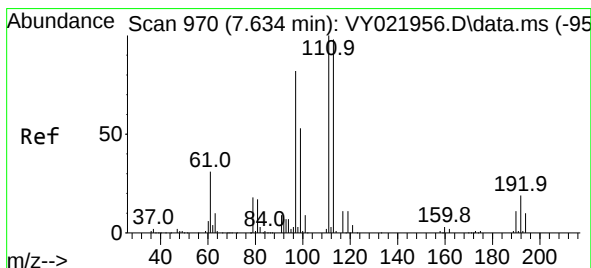
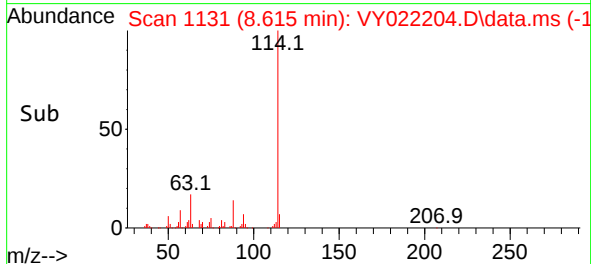
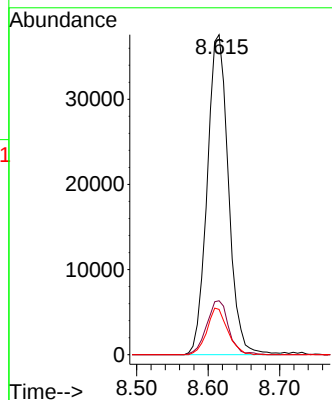
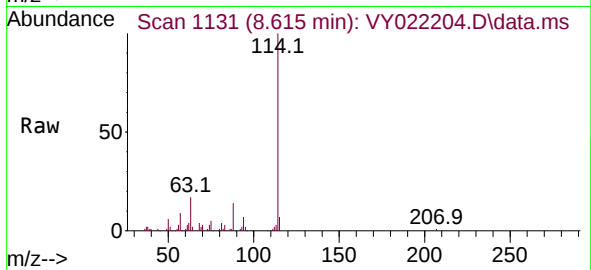
Tgt Ion:114 Resp: 77518

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 14.1 0.0 28.2



#35

Dibromofluoromethane

Concen: 41.806 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022204.D

Acq: 08 May 2025 11:53

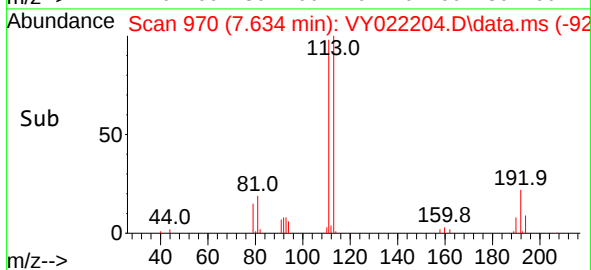
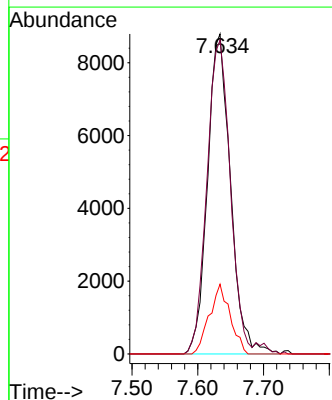
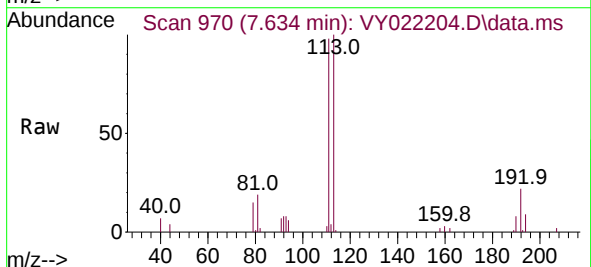
Tgt Ion:113 Resp: 21410

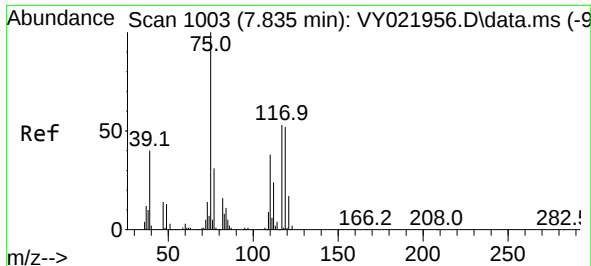
Ion Ratio Lower Upper

113 100

111 99.2 81.8 122.8

192 19.6 15.6 23.4





#36

1,1-Dichloropropene

Concen: 7.389 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022204.D

Acq: 08 May 2025 11:53

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207

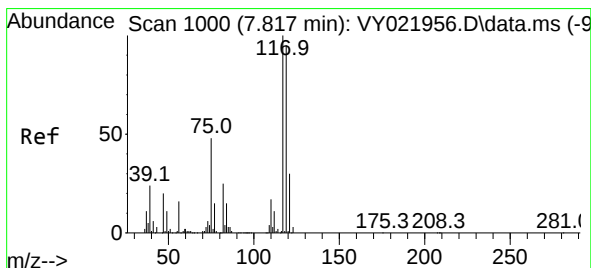
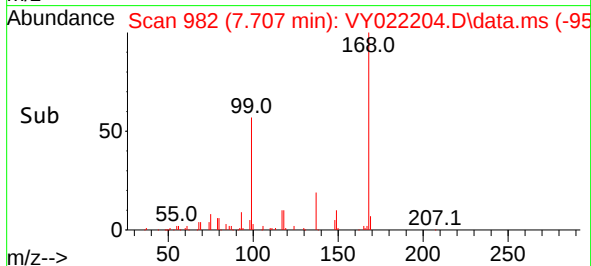
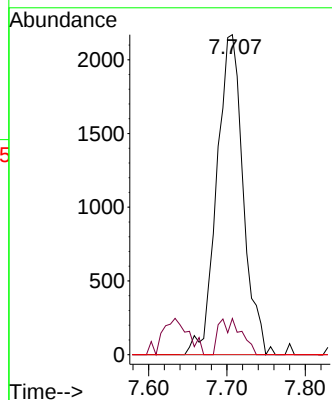
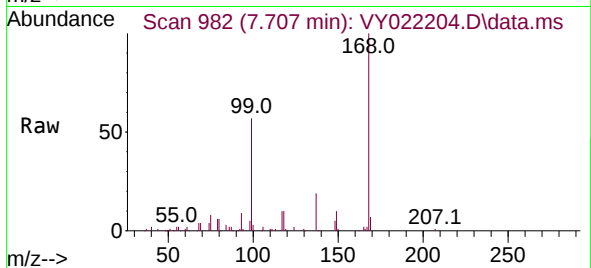
Tgt Ion: 75 Resp: 5083

Ion Ratio Lower Upper

75 100

110 4.3 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 7.637 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022204.D

Acq: 08 May 2025 11:53

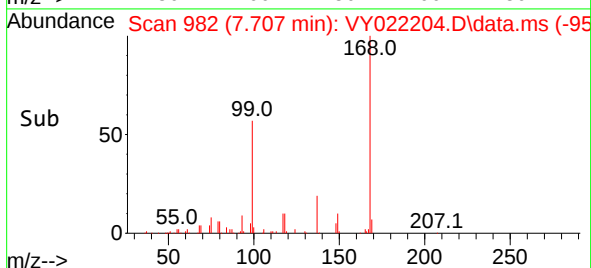
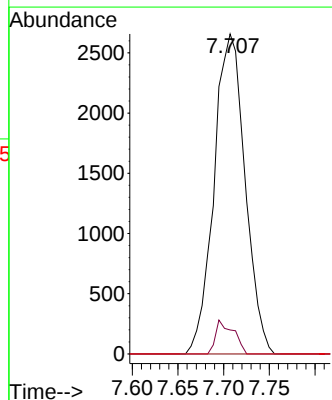
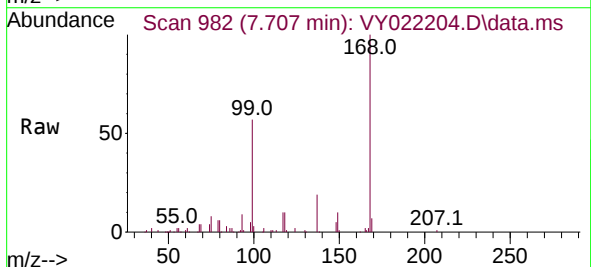
Tgt Ion: 117 Resp: 6278

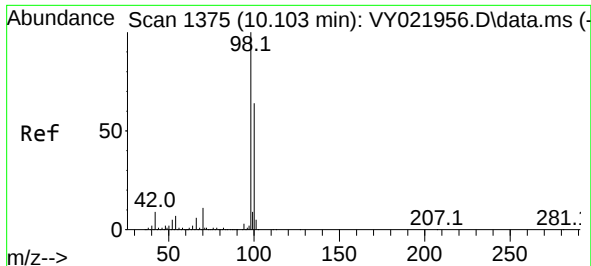
Ion Ratio Lower Upper

117 100

119 7.5 76.2 114.4#

121 0.0 24.0 36.0#

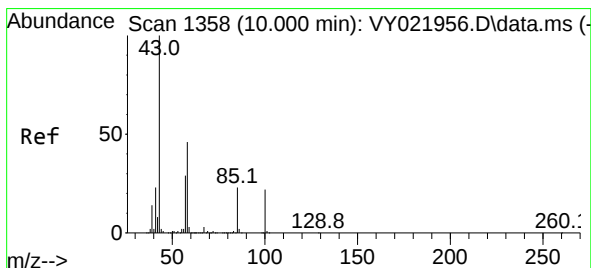
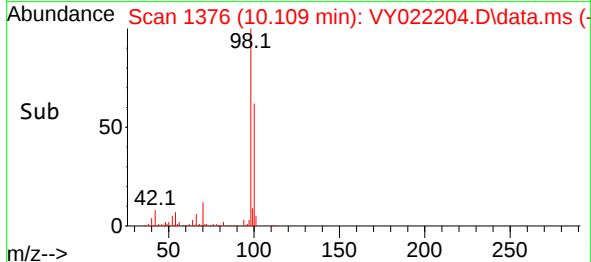
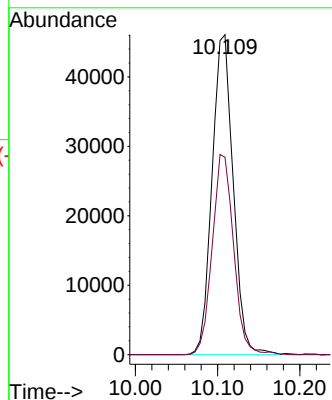
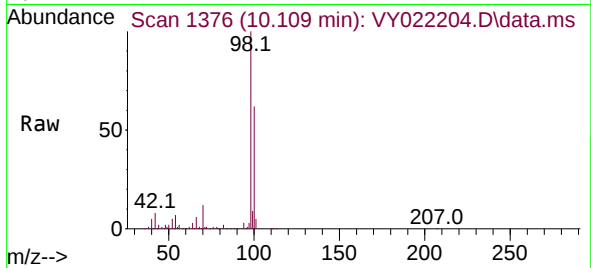




#50
Toluene-d8
Concen: 42.586 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

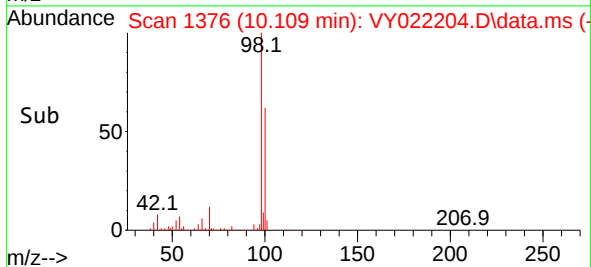
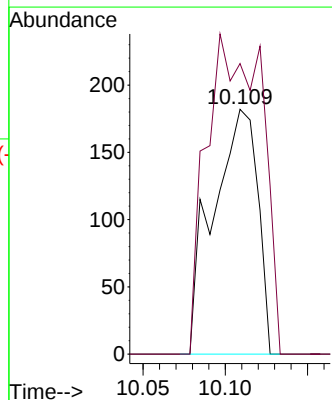
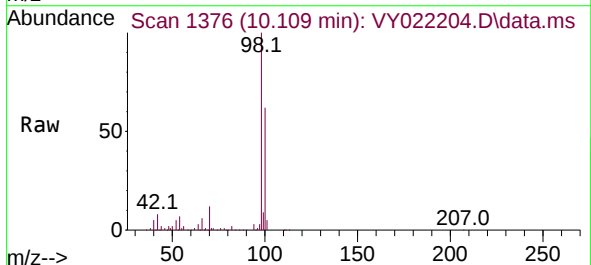
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207

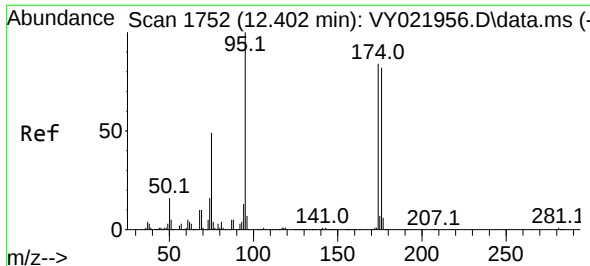
Tgt Ion: 98 Resp: 82222
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.379 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.109 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
58 161.2 36.6 55.0#

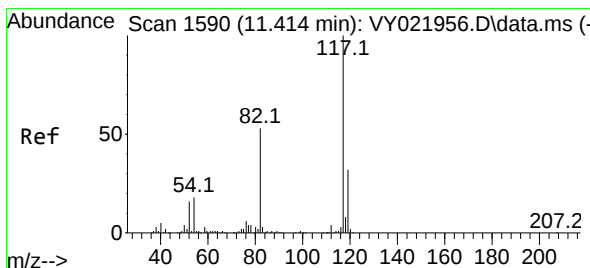
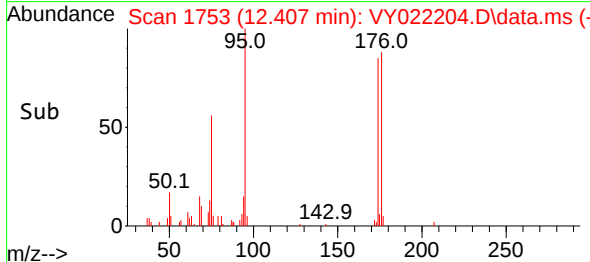
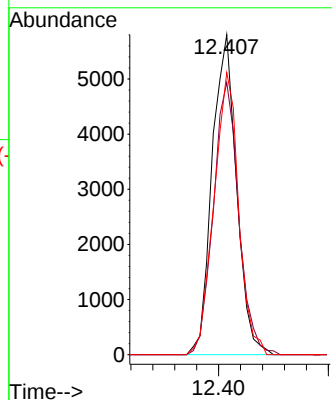
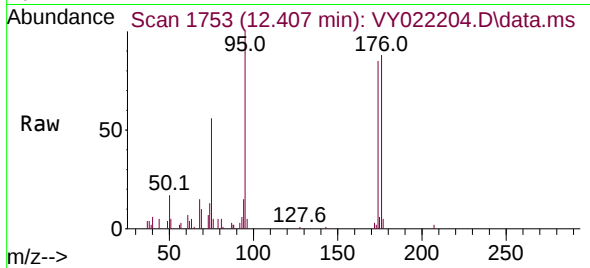




#62
4-Bromofluorobenzene
Concen: 13.793 ug/l
RT: 12.407 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

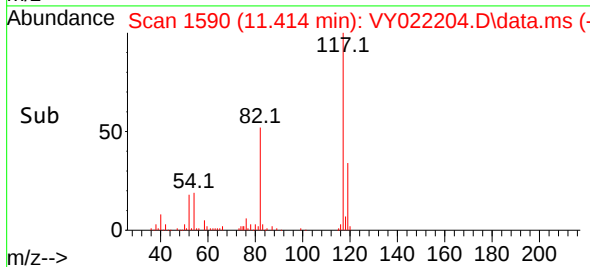
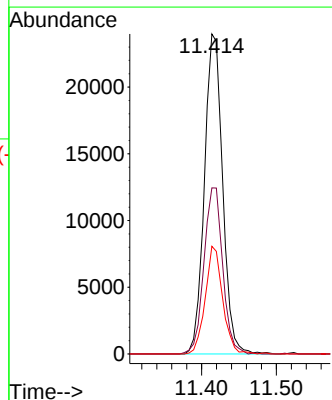
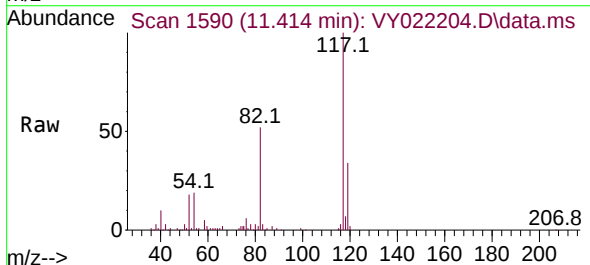
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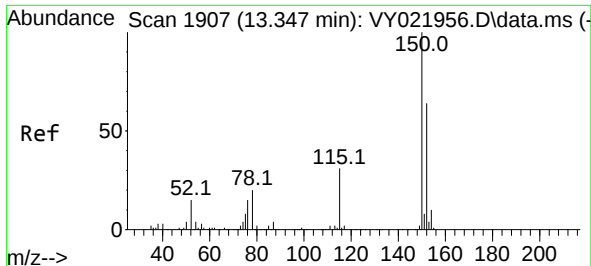
Tgt Ion:	95	Resp:	8965
Ion Ratio	Lower	Upper	
95	100		
174	88.4	0.0	179.0
176	89.3	0.0	171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

Tgt Ion:	117	Resp:	40659
Ion Ratio	Lower	Upper	
117	100		
82	51.9	42.1	63.1
119	33.7	25.7	38.5

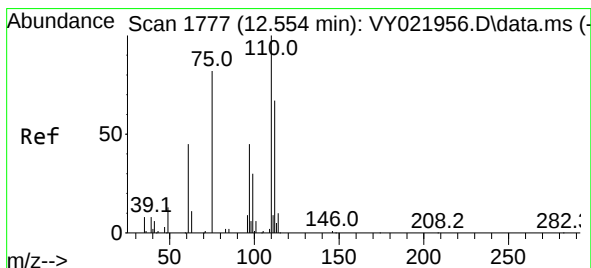
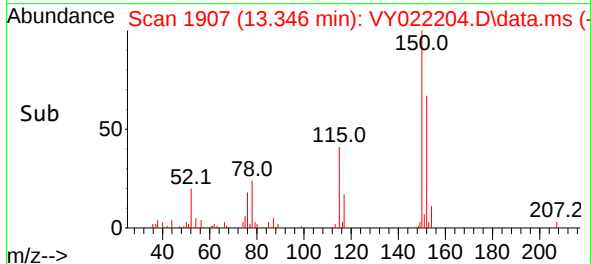
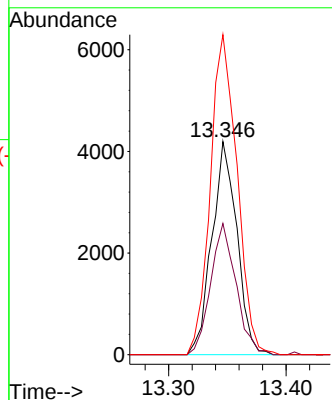
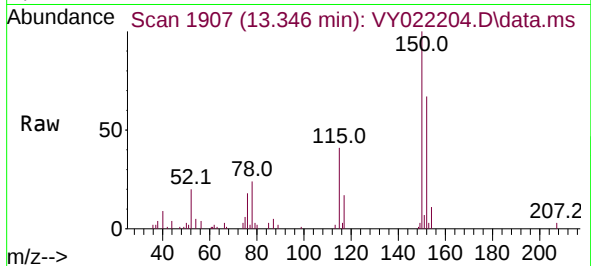




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022204.D
 Acq: 08 May 2025 11:53

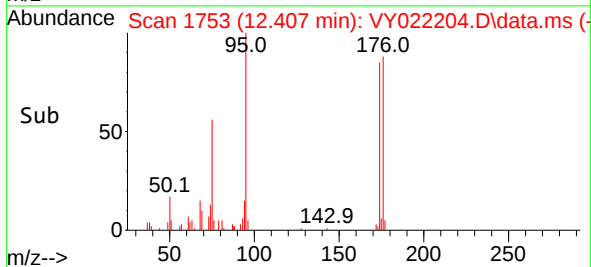
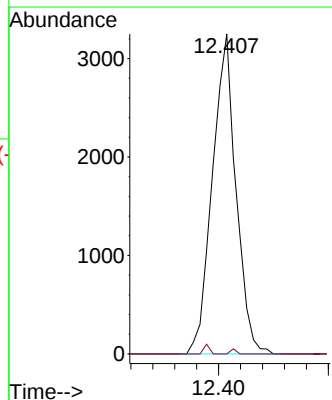
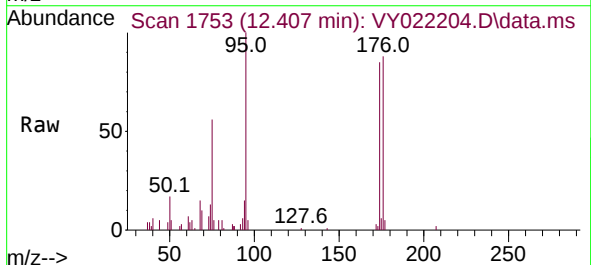
Instrument :
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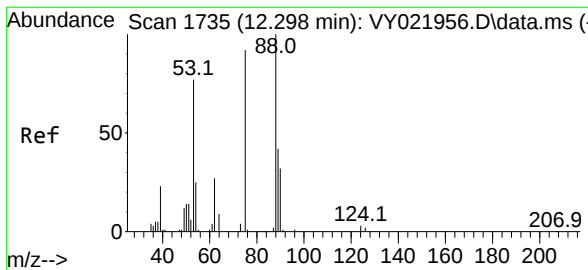
Tgt Ion:152 Resp: 6200
 Ion Ratio Lower Upper
 152 100
 115 62.6 28.0 84.0
 150 160.2 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 91.515 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY022204.D
 Acq: 08 May 2025 11:53

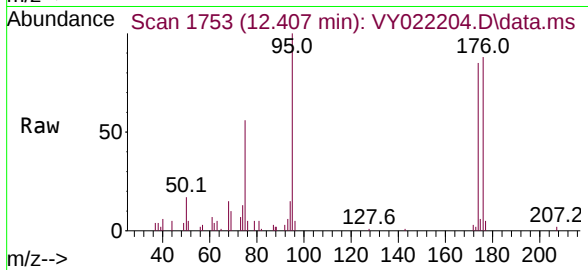
Tgt Ion: 75 Resp: 4860
 Ion Ratio Lower Upper
 75 100
 77 0.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 220.382 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY022204.D
Acq: 08 May 2025 11:53

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.0	99.0#
89	0.0	37.2	55.8#

