

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022100.D
 Acq On : 01 May 2025 12:17
 Operator : SY/MD
 Sample : Q1911-01
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-04292025RE

Quant Time: May 01 12:57:30 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)

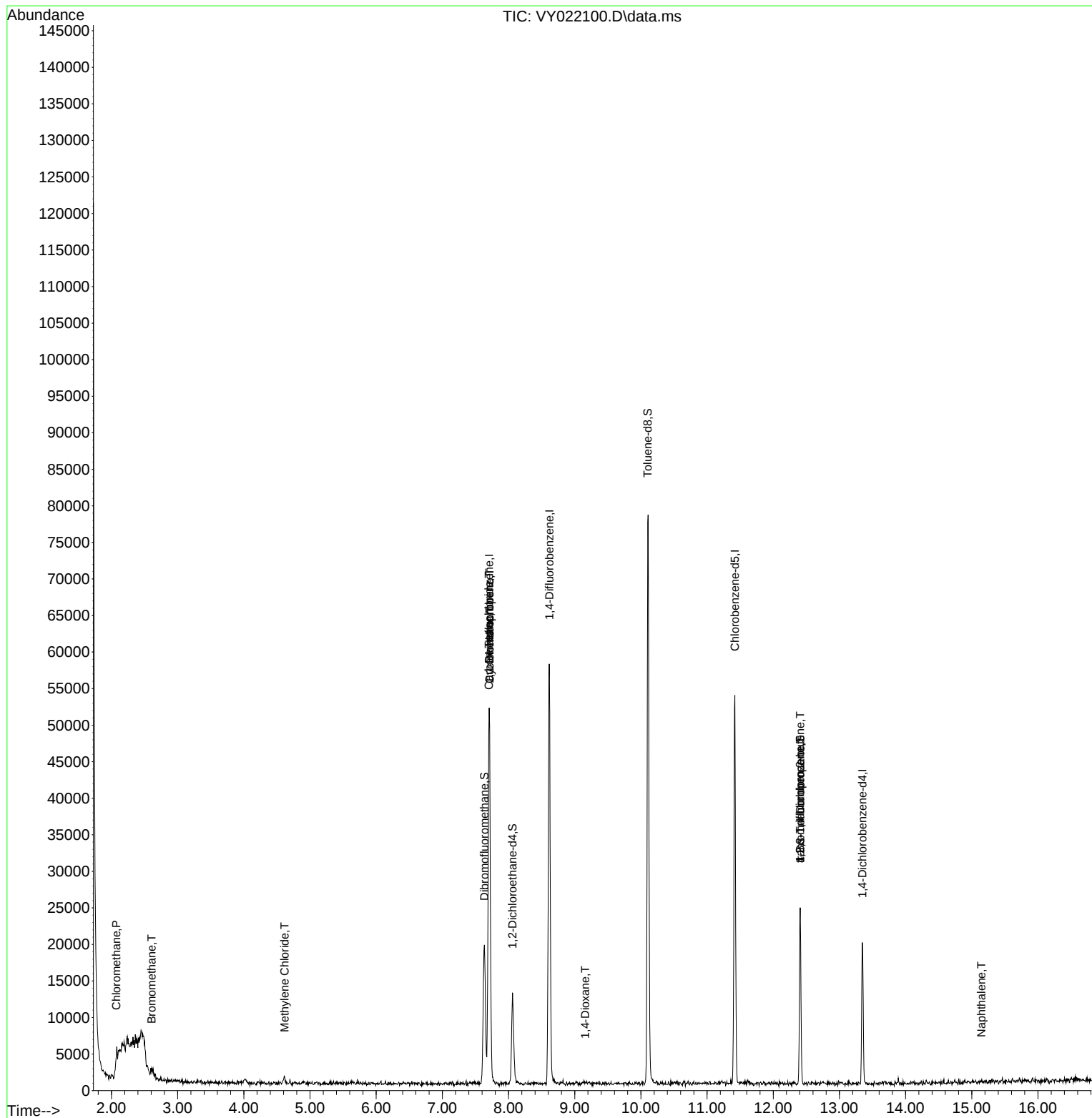
Internal Standards						
1) Pentafluorobenzene	7.707	168	41648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	53205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	31414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	5536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	9563	24.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	49.720%#
35) Dibromofluoromethane	7.634	113	14362	40.859	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.720%
50) Toluene-d8	10.103	98	54619	41.217	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	82.440%
62) 4-Bromofluorobenzene	12.408	95	8007	17.949	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	35.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	516	1.021	ug/l #	86
5) Bromomethane	2.605	94	689	1.288	ug/l	90
16) Acetone	3.921	43	54	Below Cal	#	41
20) Methylene Chloride	4.616	84	527	1.083	ug/l #	78
31) Cyclohexane	7.713	56	816	1.283	ug/l #	40
36) 1,1-Dichloropropene	7.713	75	3076	6.515	ug/l #	45
38) Carbon Tetrachloride	7.701	117	4222	7.483	ug/l #	14
49) 1,4-Dioxane	9.158	88	22	10.102	ug/l #	28
76) 1,2,3-Trichloropropane	12.408	75	3521	74.254	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	3521	178.814	ug/l #	16
95) Naphthalene	15.145	128	199	1.277	ug/l #	69

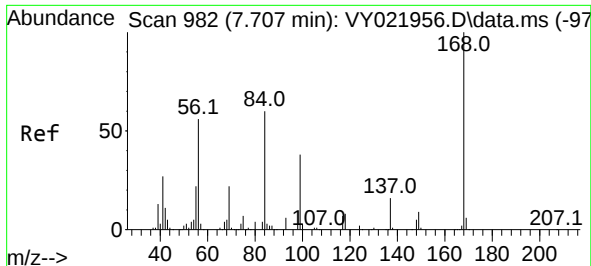
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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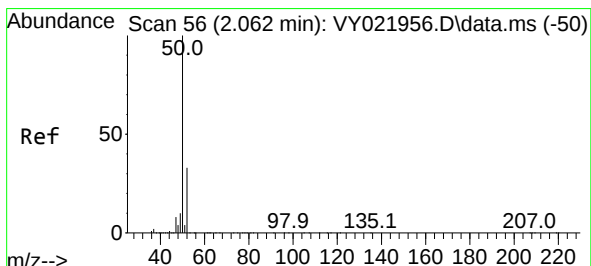
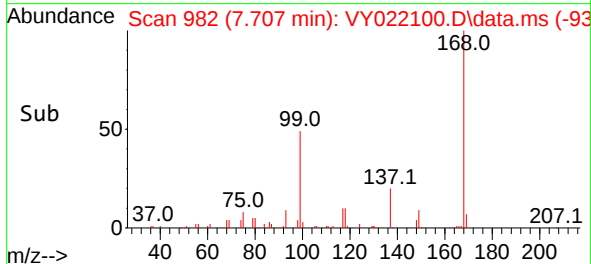
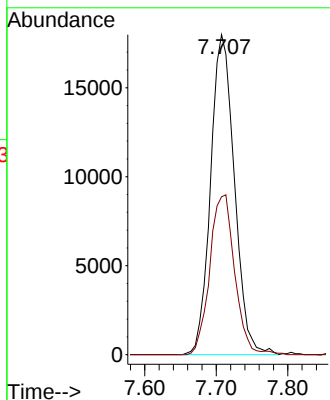
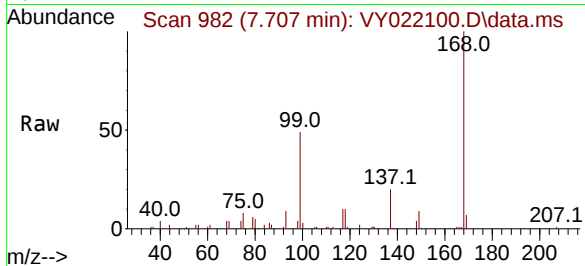




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

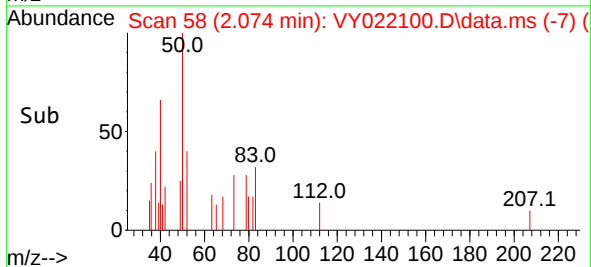
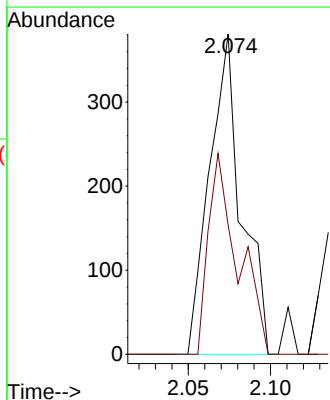
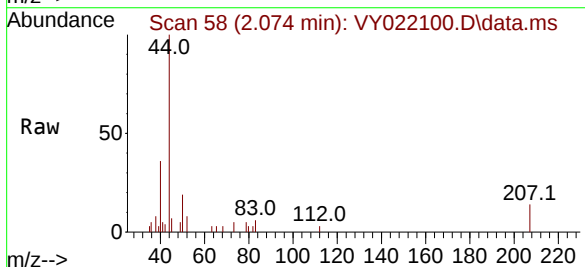
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-04292025RE

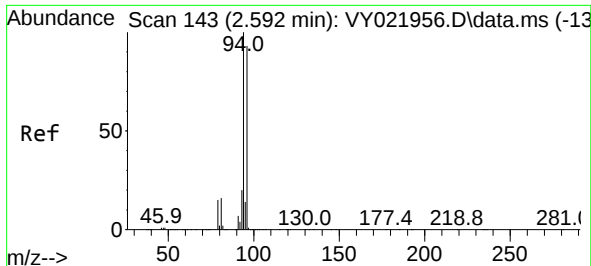
Tgt Ion:168 Resp: 41648
Ion Ratio Lower Upper
168 100
99 49.3 43.1 64.7



#3
Chloromethane
Concen: 1.021 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.012 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 40.4 26.1 39.1#

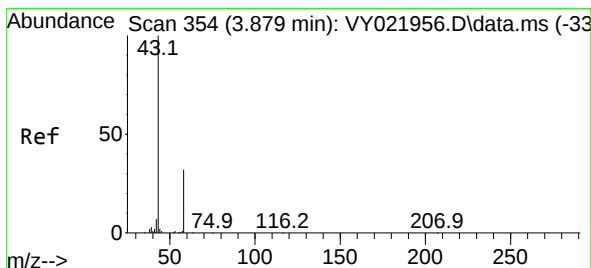
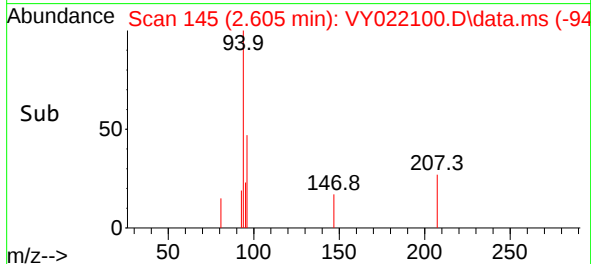
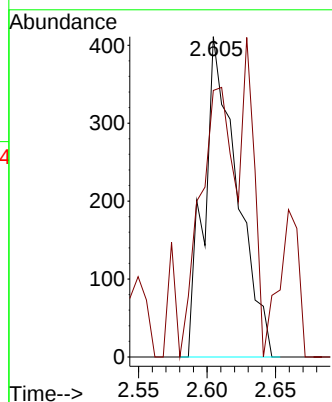
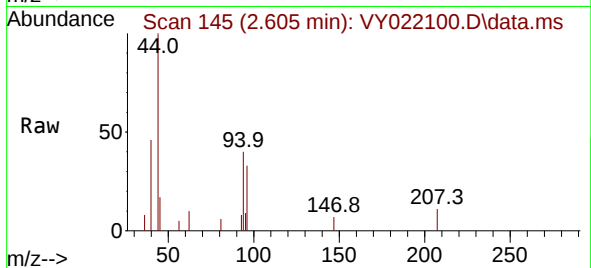




#5
Bromomethane
Concen: 1.288 ug/l
RT: 2.605 min Scan# 143
Delta R.T. 0.012 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

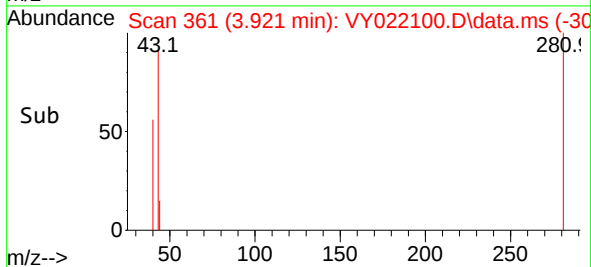
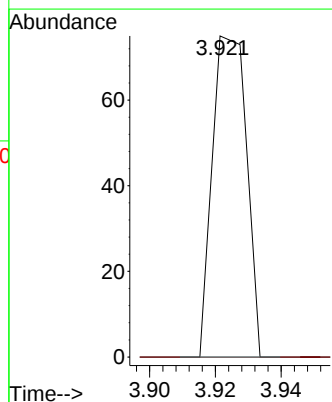
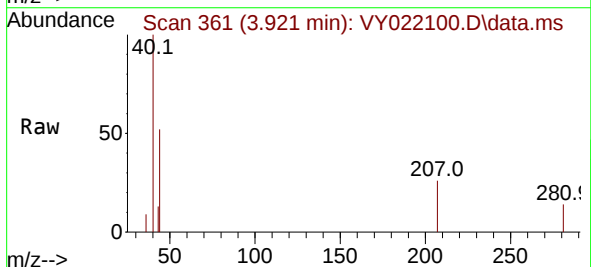
Instrument :
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ClientSampleId :
EO-03-04292025RE

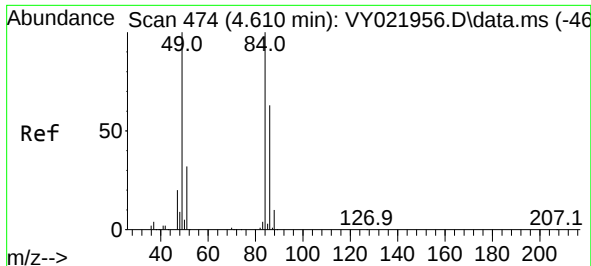
Tgt Ion: 94 Resp: 689
Ion Ratio Lower Upper
94 100
96 83.2 74.6 111.8



#16
Acetone
Concen: Below Cal
RT: 3.921 min Scan# 361
Delta R.T. 0.042 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

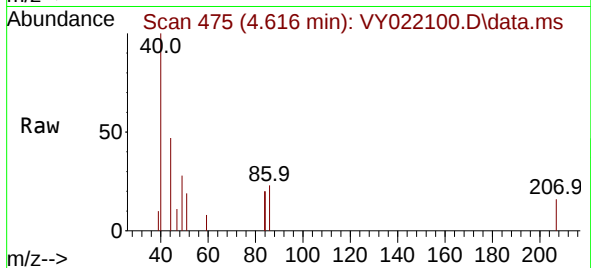
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



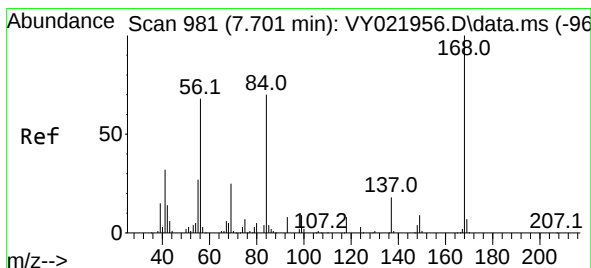
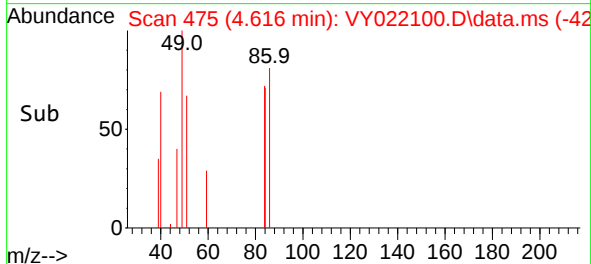
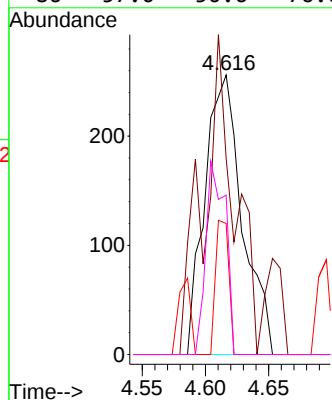


#20
Methylene Chloride
Concen: 1.083 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-04292025RE

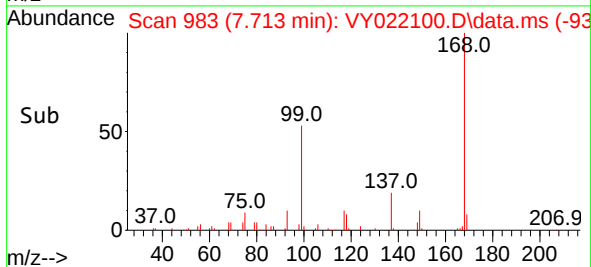
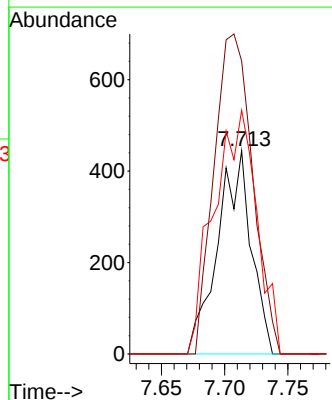
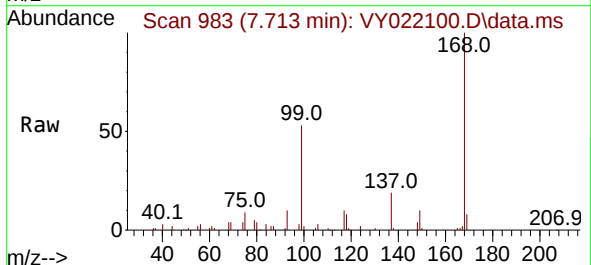


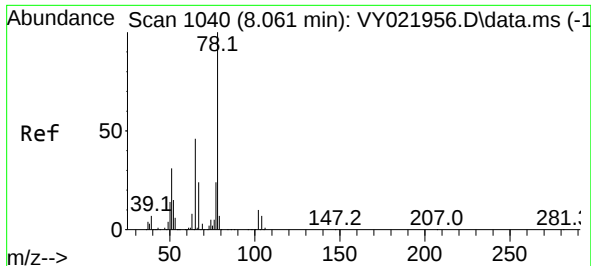
Tgt Ion:	84	Resp:	527
Ion	Ratio	Lower	Upper
84	100		
49	70.3	79.9	119.9#
51	46.9	25.4	38.0#
86	57.0	50.6	76.0



#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

Tgt Ion:	56	Resp:	816
Ion	Ratio	Lower	Upper
56	100		
69	144.0	29.4	44.2#
84	119.8	82.2	123.4





#33

1,2-Dichloroethane-d4

Concen: 24.859 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022100.D

Acq: 01 May 2025 12:17

Instrument :

MSVOA_Y

ClientSampleId :

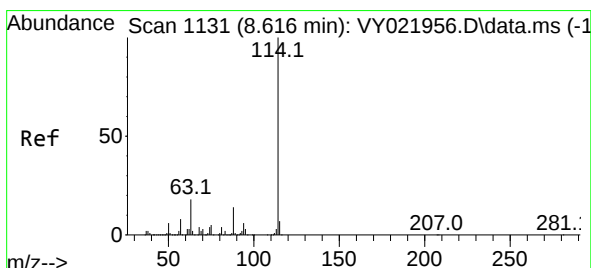
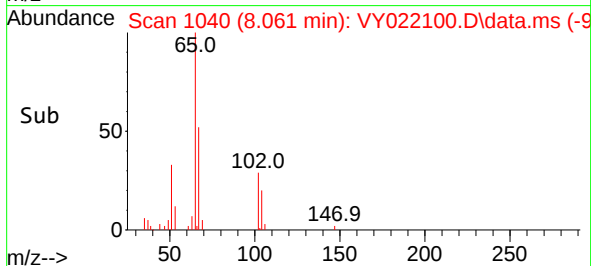
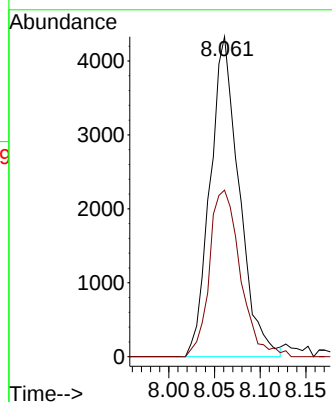
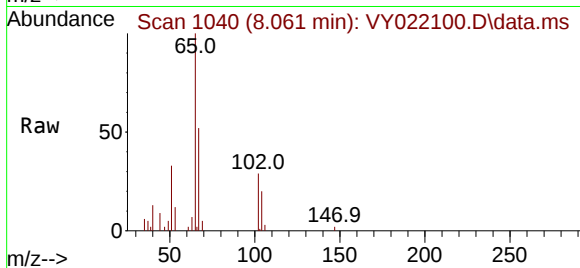
EO-03-04292025RE

Tgt Ion: 65 Resp: 9563

Ion Ratio Lower Upper

65 100

67 55.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022100.D

Acq: 01 May 2025 12:17

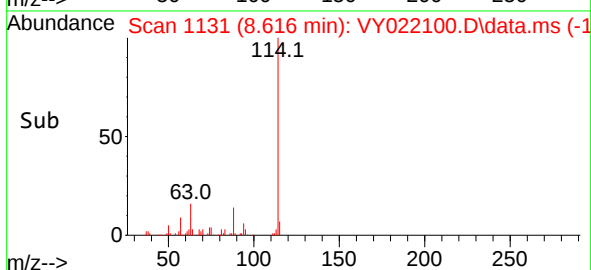
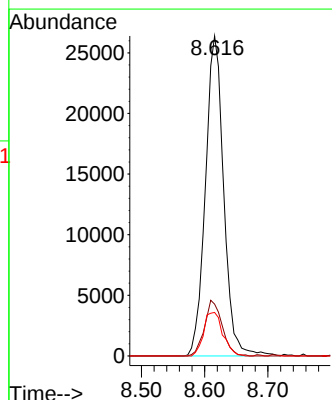
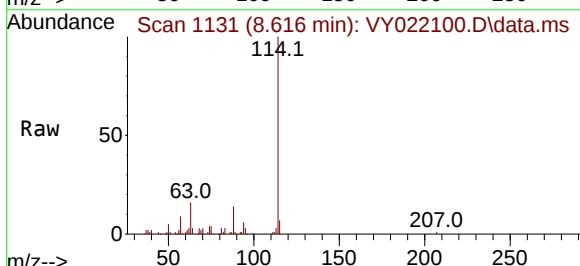
Tgt Ion: 114 Resp: 53205

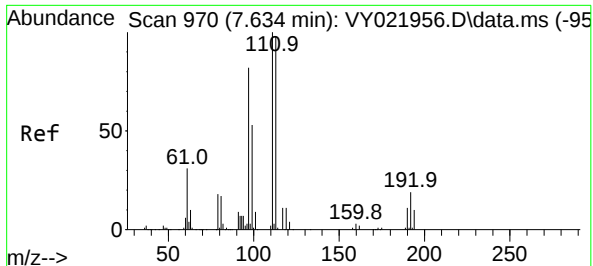
Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.4

88 13.6 0.0 28.2

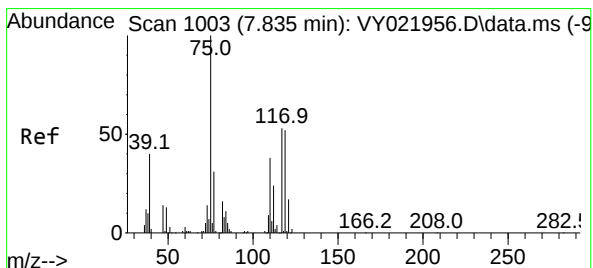
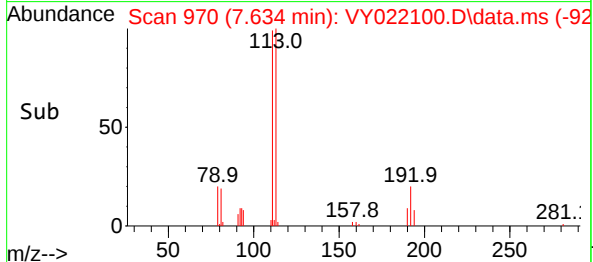
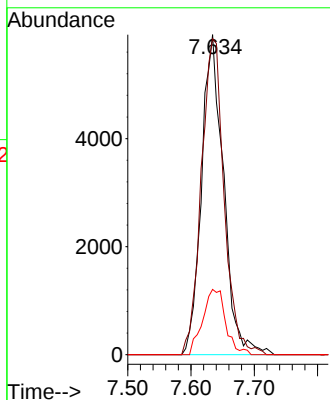
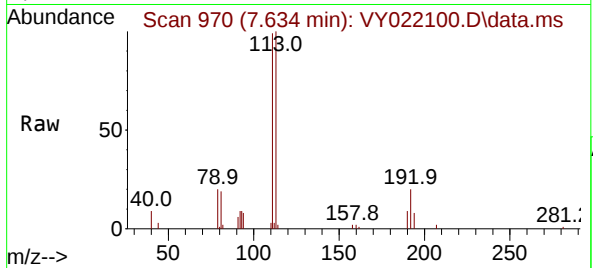




#35
Dibromofluoromethane
Concen: 40.859 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

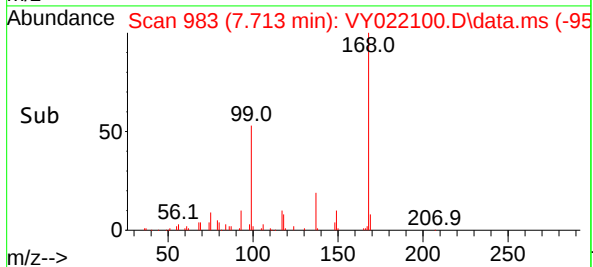
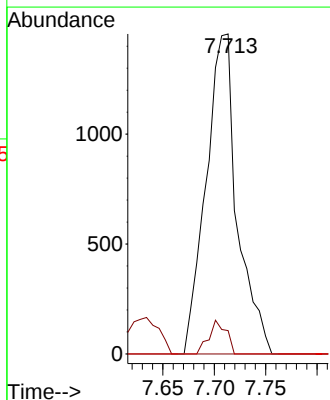
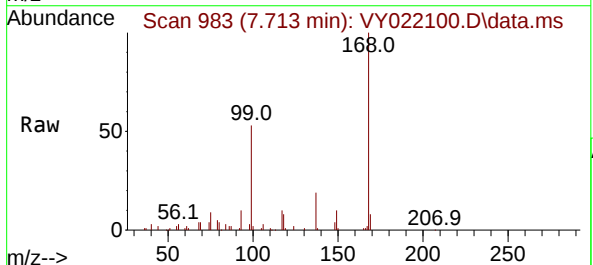
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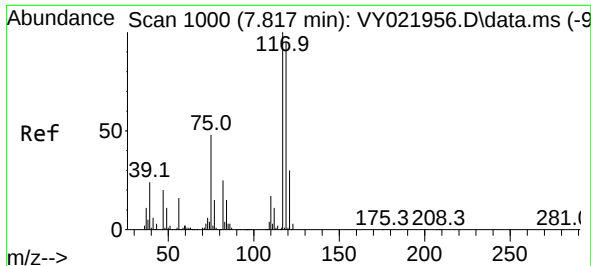
Tgt Ion:113 Resp: 14362
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 21.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 6.515 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

Tgt Ion: 75 Resp: 3076
Ion Ratio Lower Upper
75 100
110 5.8 19.1 57.3#
77 0.0 25.5 38.3#

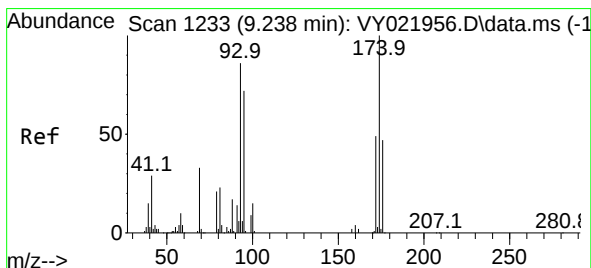
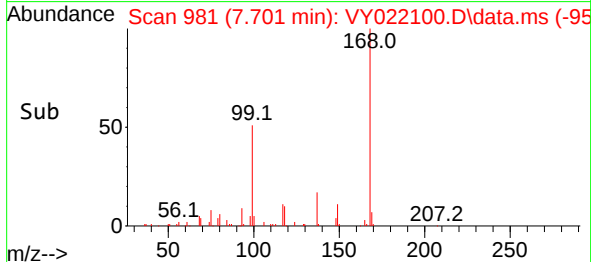
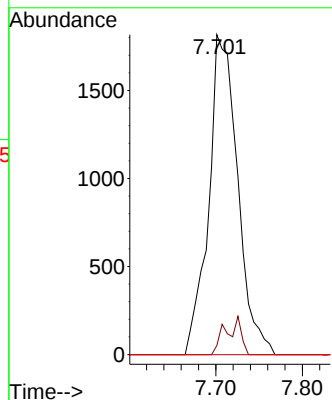
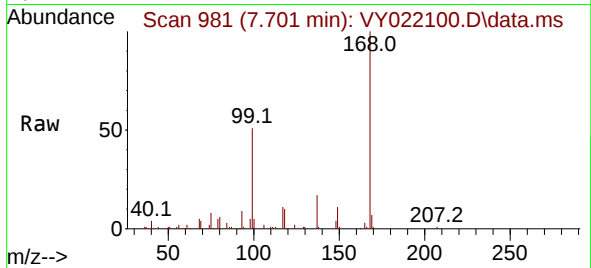




#38
Carbon Tetrachloride
Concen: 7.483 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

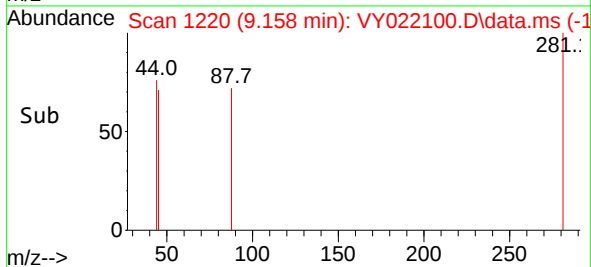
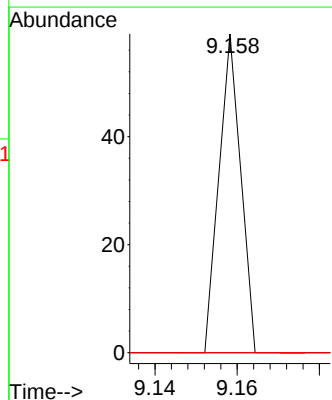
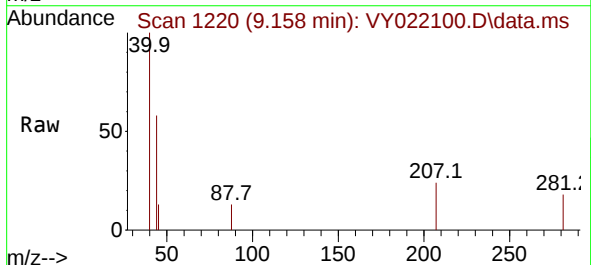
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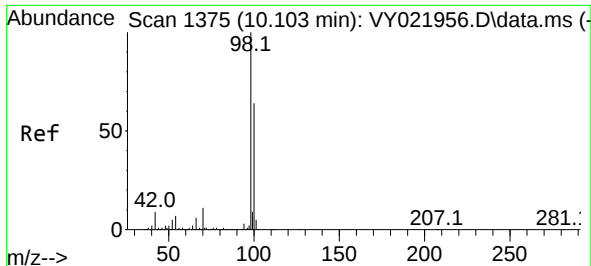
Tgt Ion:117 Resp: 4222
Ion Ratio Lower Upper
117 100
119 2.8 76.2 114.4#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 10.102 ug/l
RT: 9.158 min Scan# 1220
Delta R.T. -0.079 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 21.3 31.9#
58 0.0 50.5 75.7#

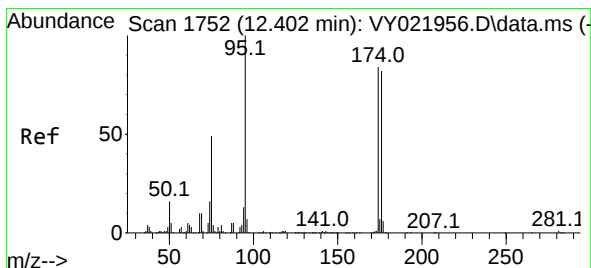
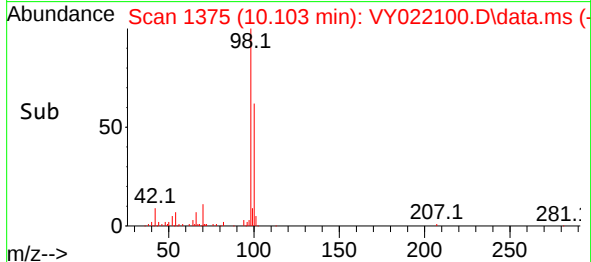
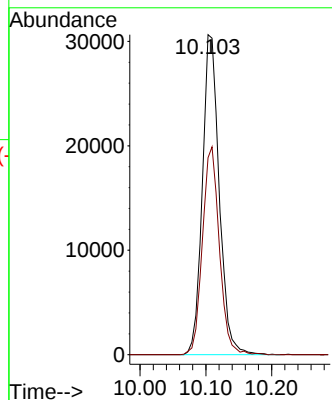
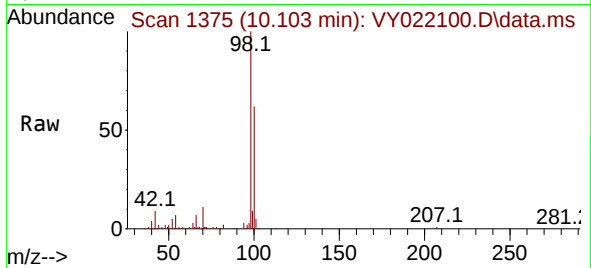




#50
Toluene-d8
Concen: 41.217 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

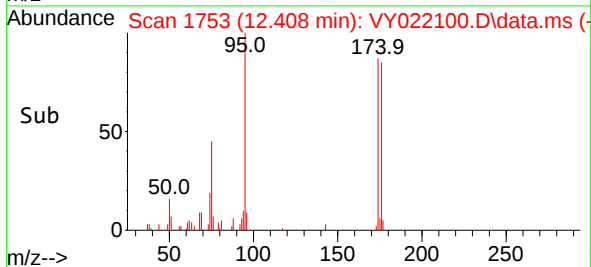
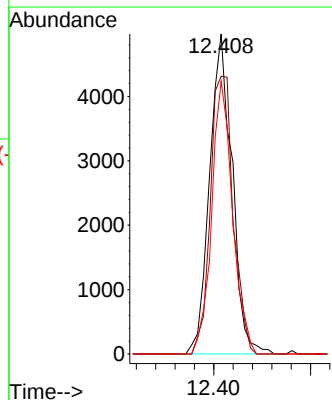
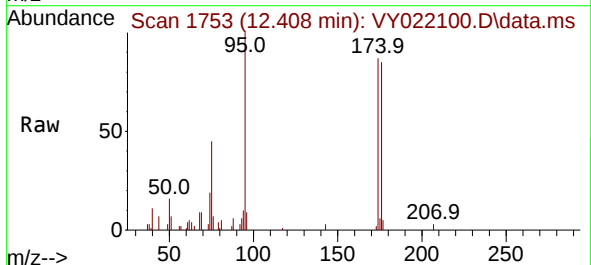
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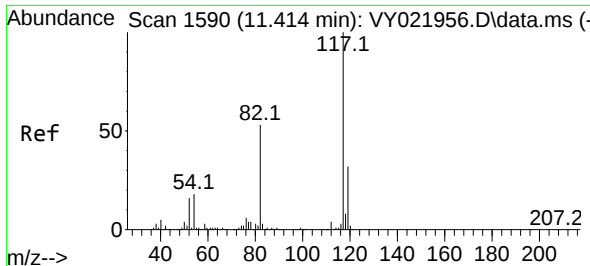
Tgt Ion: 98 Resp: 54619
Ion Ratio Lower Upper
98 100
100 65.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 17.949 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

Tgt Ion: 95 Resp: 8007
Ion Ratio Lower Upper
95 100
174 88.9 0.0 179.0
176 79.3 0.0 171.8

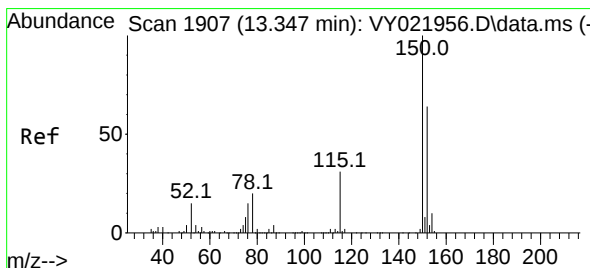
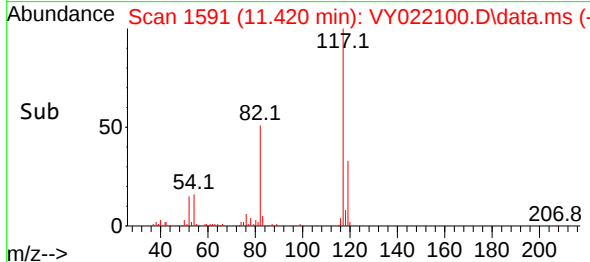
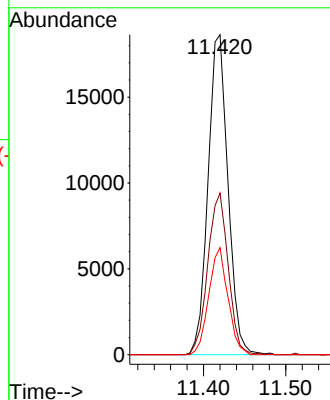
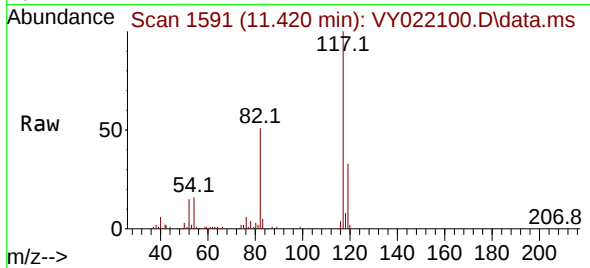




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

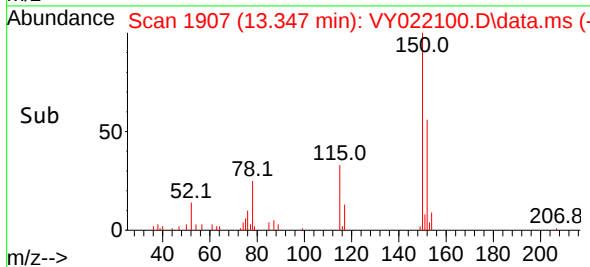
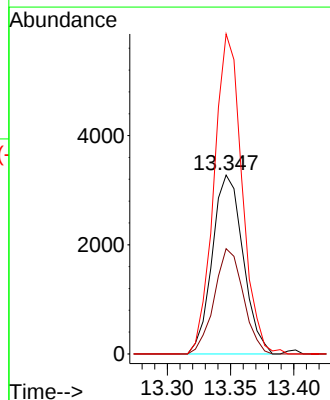
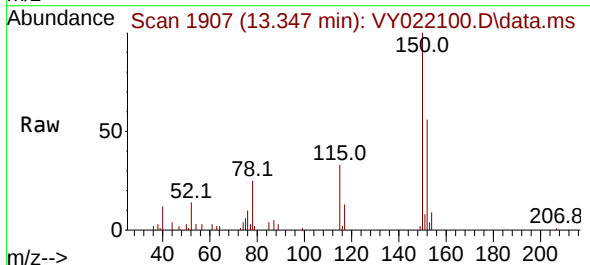
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-04292025RE

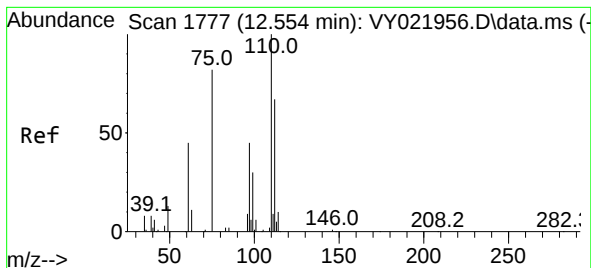
Tgt Ion:	117	Resp:	31414
Ion Ratio	Lower	Upper	
117	100		
82	50.5	42.1	63.1
119	33.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

Tgt Ion:	152	Resp:	5536
Ion Ratio	Lower	Upper	
152	100		
115	55.5	28.0	84.0
150	162.9	0.0	345.6

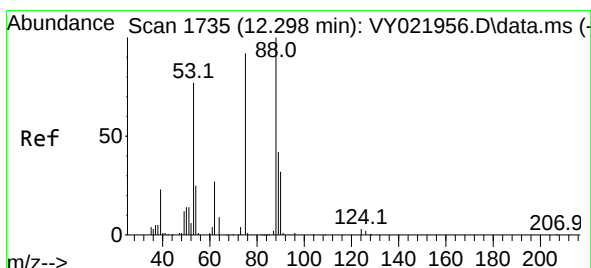
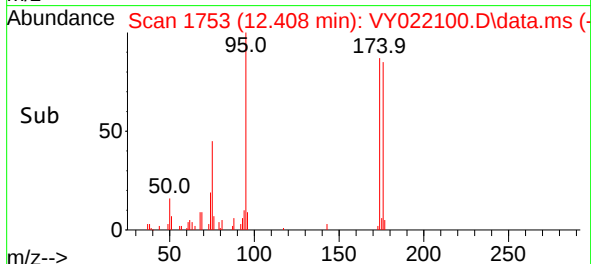
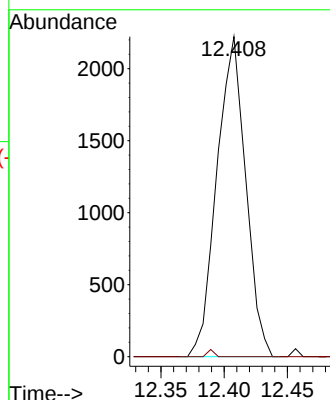
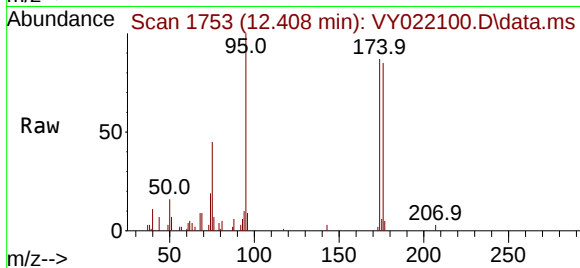




#76
1,2,3-Trichloropropane
Concen: 74.254 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

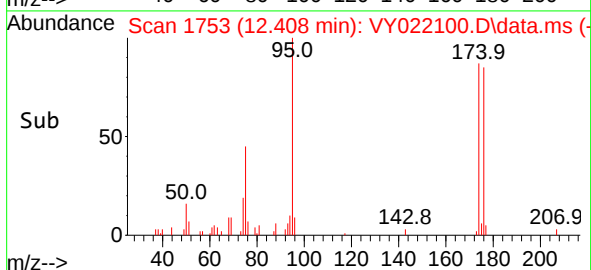
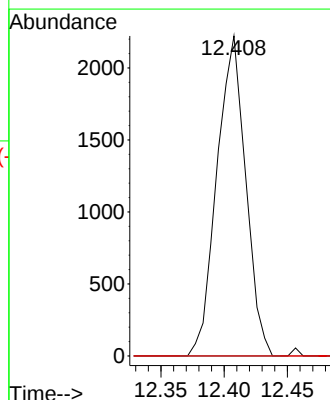
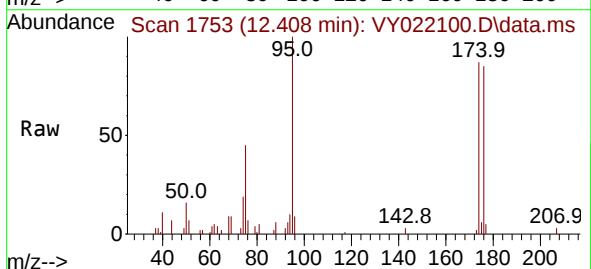
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-04292025RE

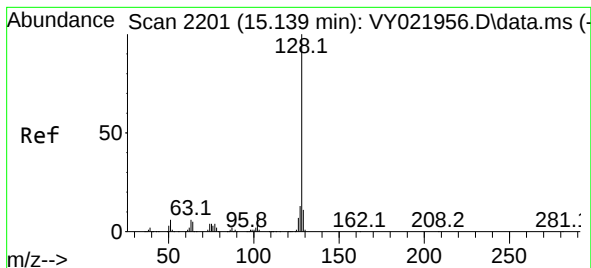
Tgt Ion: 75 Resp: 3521
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 178.814 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022100.D
Acq: 01 May 2025 12:17

Tgt Ion: 75 Resp: 3521
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 1.277 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY022100.D

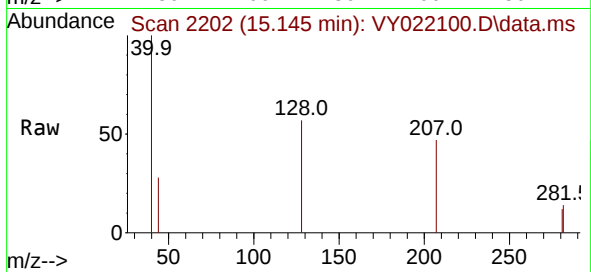
Acq: 01 May 2025 12:17

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-04292025RE



Tgt Ion:128 Resp: 199

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.9 13.3#

