

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022149.D
 Acq On : 05 May 2025 11:14
 Operator : SY/MD
 Sample : Q1933-01
 Misc : 5.33g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-050125RE

Quant Time: May 06 05:20:08 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)

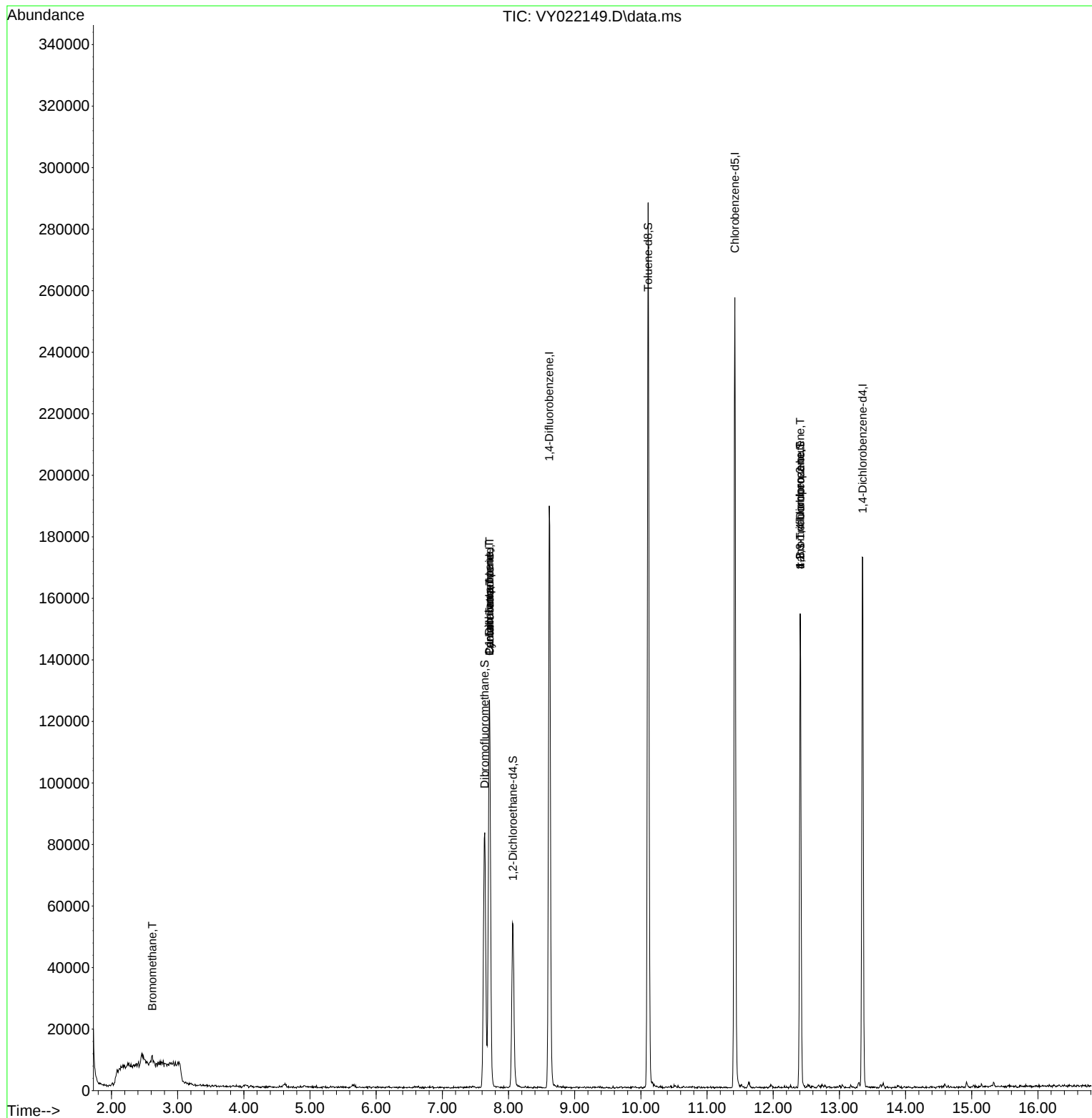
Internal Standards						
1) Pentafluorobenzene	7.713	168	100342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	167598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	139623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	47649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	44246	47.739	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.480%
35) Dibromofluoromethane	7.640	113	60525	54.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.320%
50) Toluene-d8	10.109	98	195400	46.810	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.620%
62) 4-Bromofluorobenzene	12.408	95	47359	33.702	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.400%
Target Compounds						
					Qvalue	
5) Bromomethane	2.617	94	1736	1.347	ug/l	83
16) Acetone	3.879	43	333	Below Cal	#	41
31) Cyclohexane	7.713	56	2014	1.315	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	7902	5.313	ug/l #	43
38) Carbon Tetrachloride	7.713	117	10186	5.731	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	23805	58.326	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	23805	140.458	ug/l #	16

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

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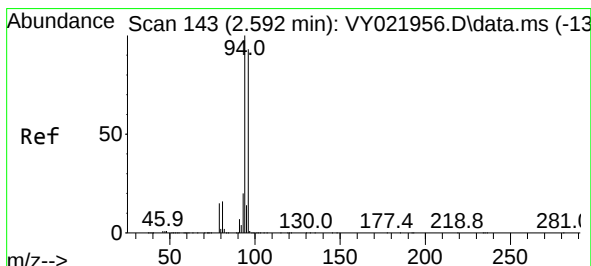
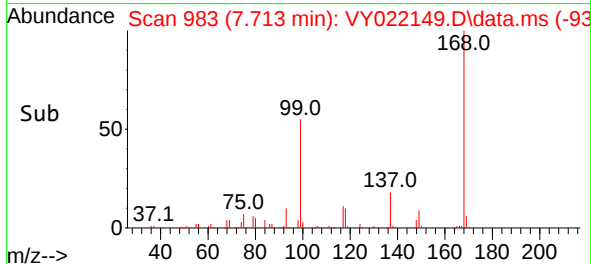
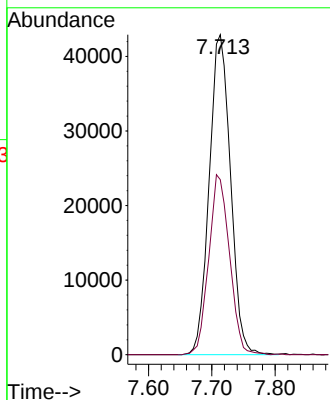
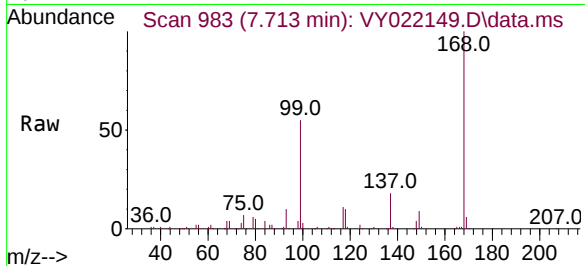




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

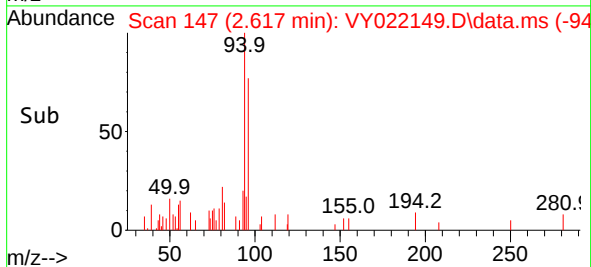
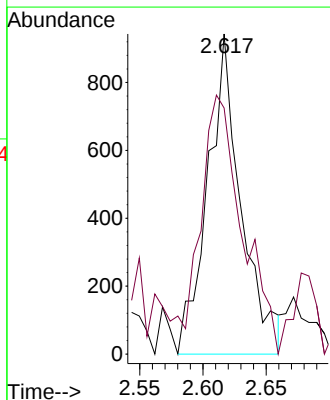
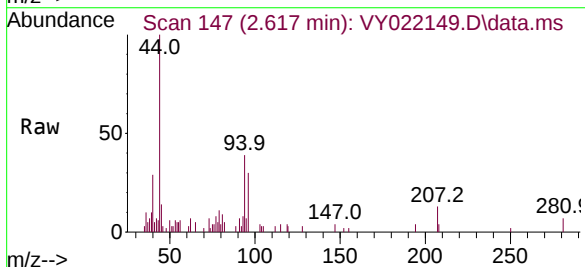
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050125RE

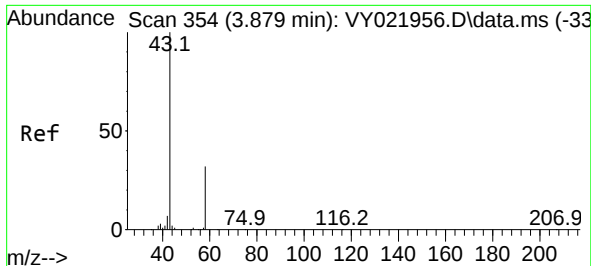
Tgt Ion:168 Resp: 100342
Ion Ratio Lower Upper
168 100
99 54.7 43.1 64.7



#5
Bromomethane
Concen: 1.347 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.024 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

Tgt Ion: 94 Resp: 1736
Ion Ratio Lower Upper
94 100
96 76.9 74.6 111.8

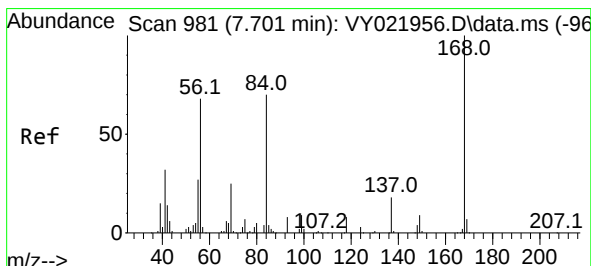
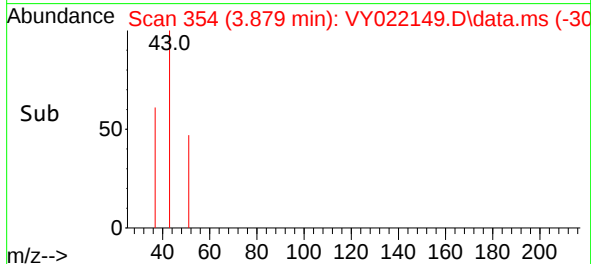
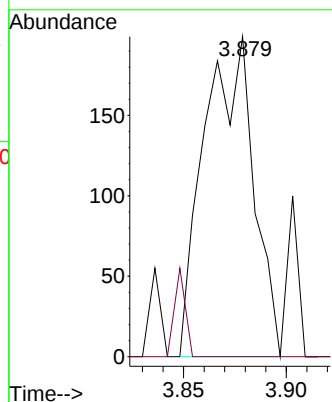
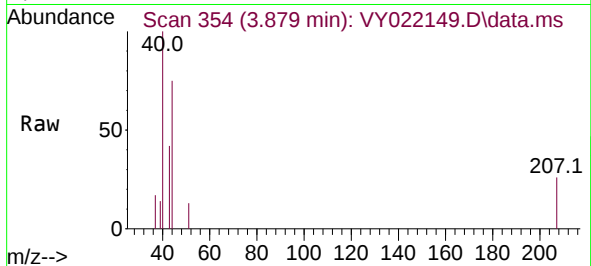




#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

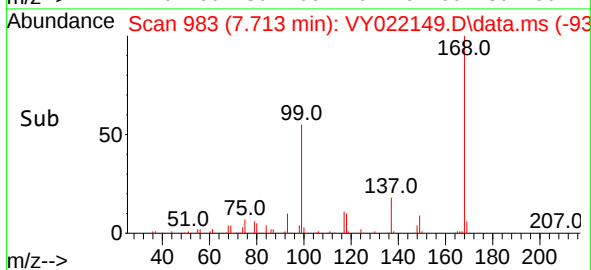
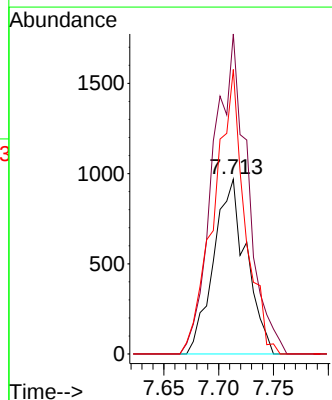
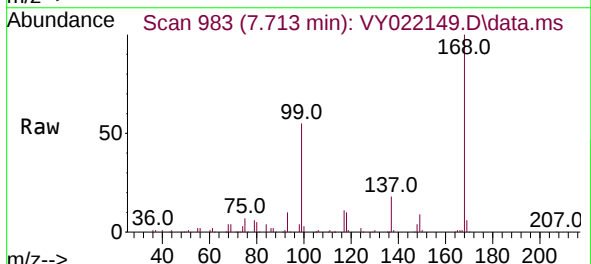
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050125RE

Tgt Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

Tgt Ion: 56 Resp: 2014
Ion Ratio Lower Upper
56 100
69 183.1 29.4 44.2#
84 162.7 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 47.739 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022149.D

Acq: 05 May 2025 11:14

Instrument :

MSVOA_Y

ClientSampleId :

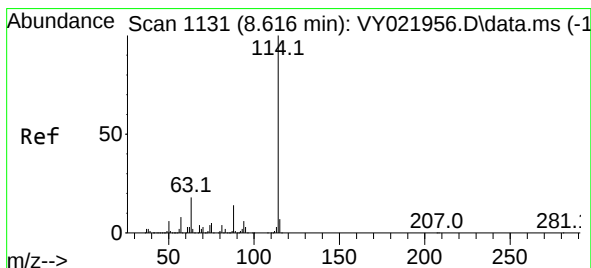
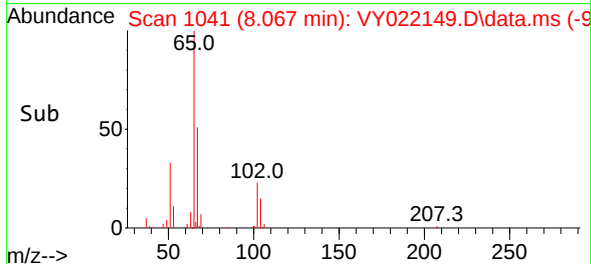
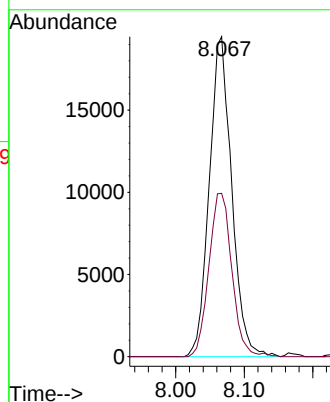
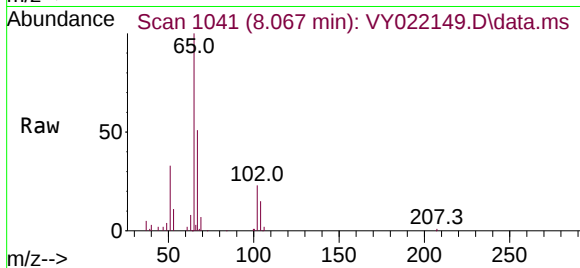
OK-01-050125RE

Tgt Ion: 65 Resp: 44246

Ion Ratio Lower Upper

65 100

67 52.4 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: VY022149.D

Acq: 05 May 2025 11:14

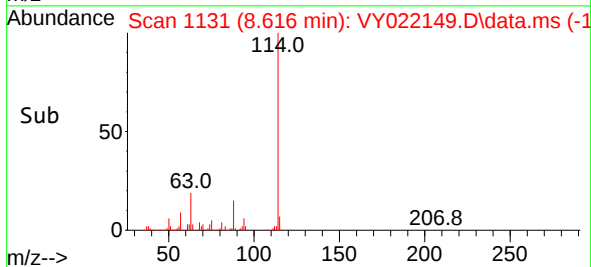
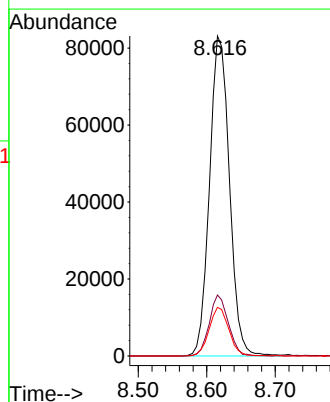
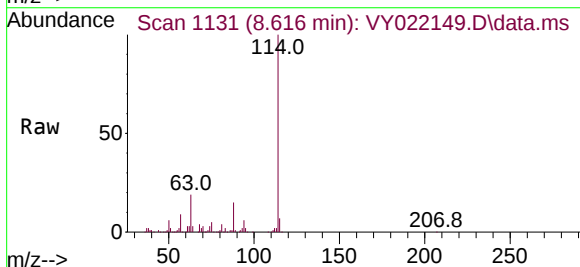
Tgt Ion: 114 Resp: 167598

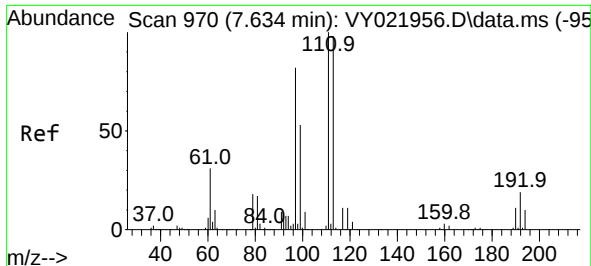
Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.4

88 15.2 0.0 28.2

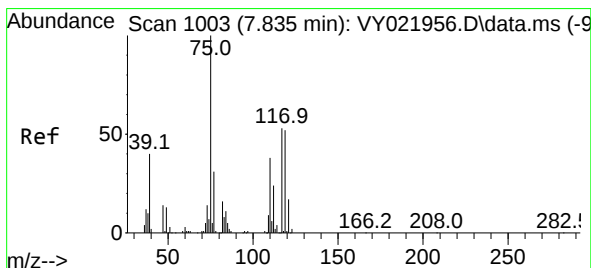
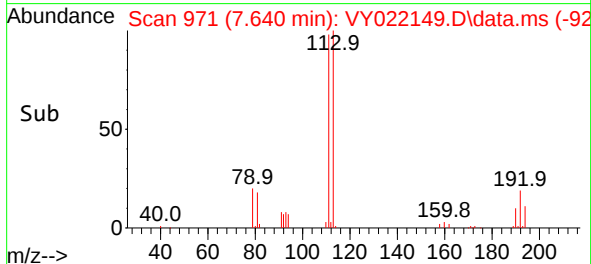
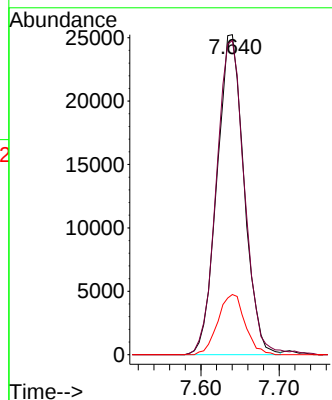
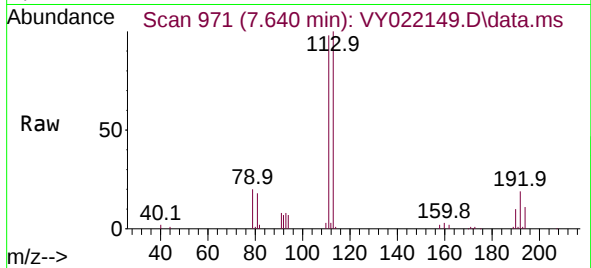




#35
Dibromofluoromethane
Concen: 54.663 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

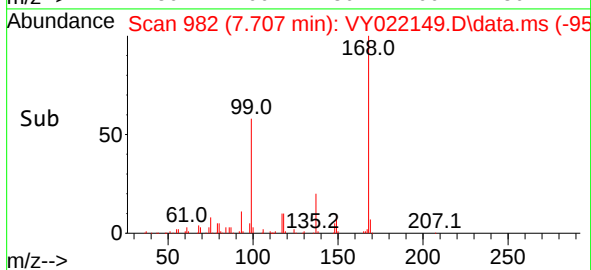
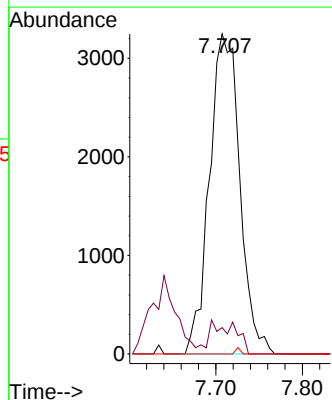
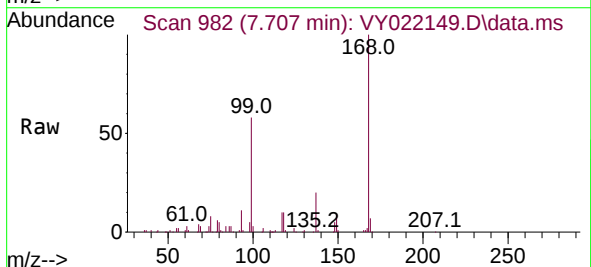
Instrument :
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ClientSampleId :
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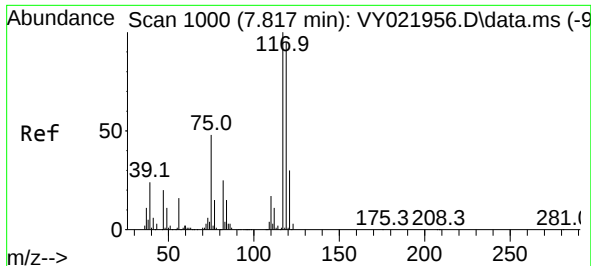
Tgt Ion:113 Resp: 60525
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 18.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.313 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

Tgt Ion: 75 Resp: 7902
Ion Ratio Lower Upper
75 100
110 3.8 19.1 57.3#
77 0.0 25.5 38.3#

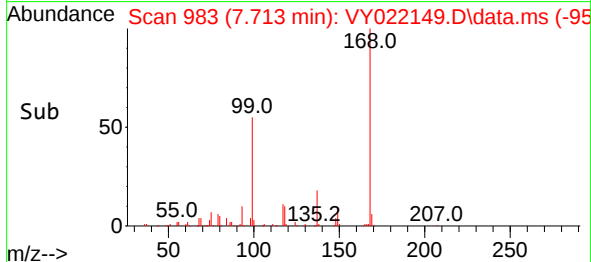
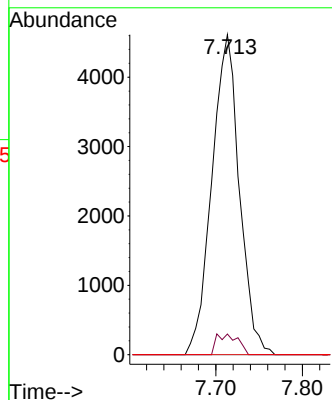
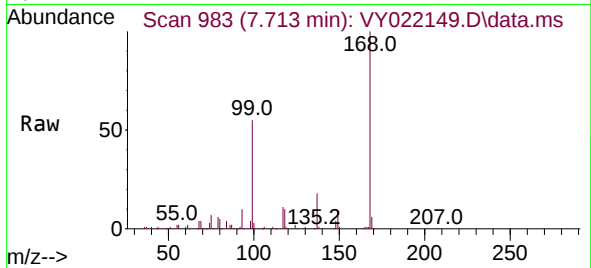




#38
Carbon Tetrachloride
Concen: 5.731 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

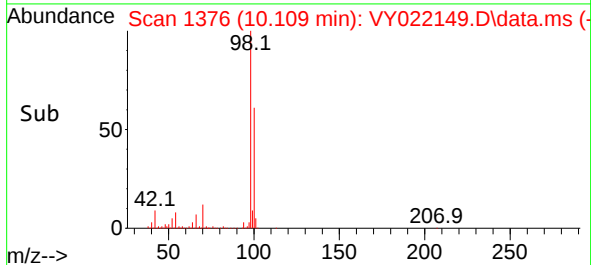
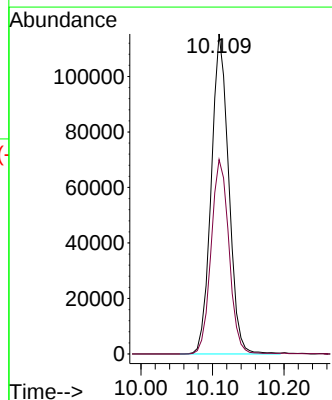
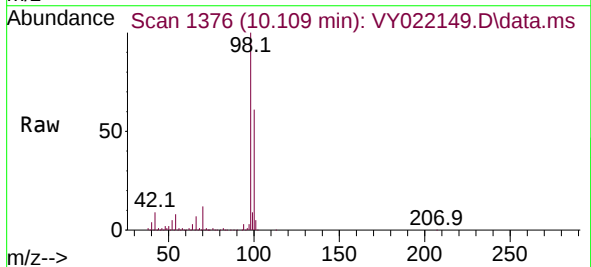
Instrument :
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ClientSampleId :
OK-01-050125RE

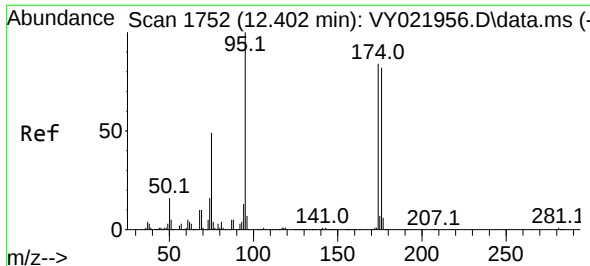
Tgt Ion:117 Resp: 10186
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.810 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

Tgt Ion: 98 Resp: 195400
Ion Ratio Lower Upper
98 100
100 62.1 51.6 77.4

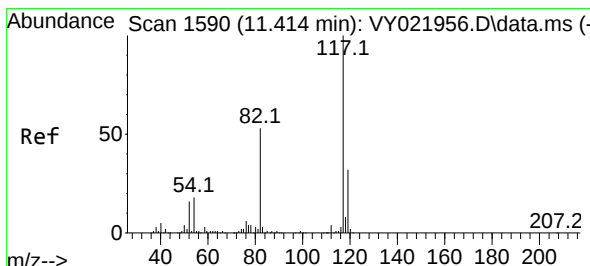
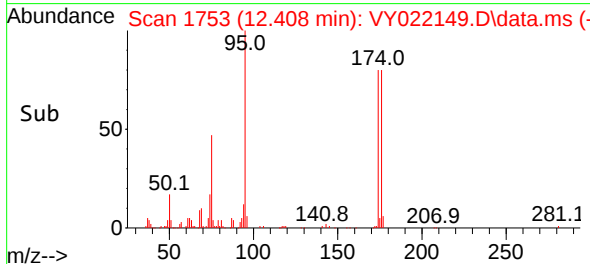
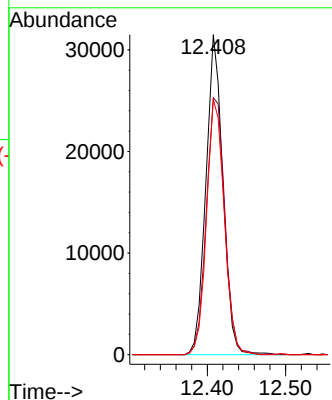
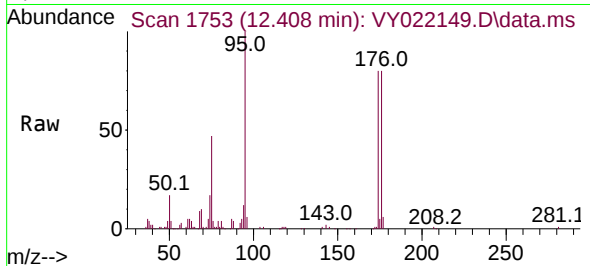




#62
4-Bromofluorobenzene
Concen: 33.702 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

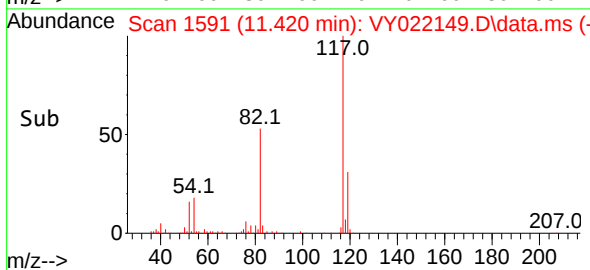
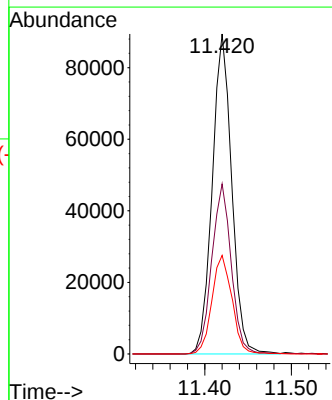
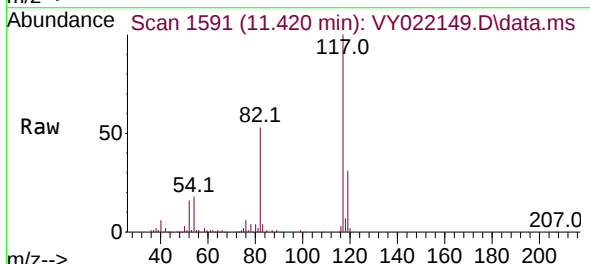
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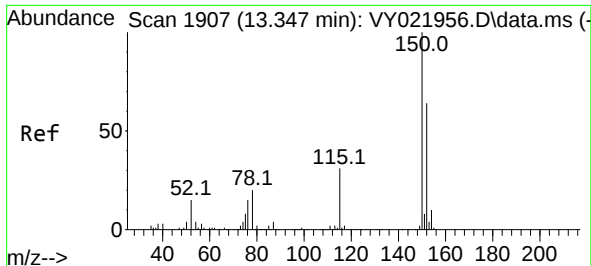
Tgt Ion: 95 Resp: 47359
Ion Ratio Lower Upper
95 100
174 87.9 0.0 179.0
176 83.2 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022149.D
Acq: 05 May 2025 11:14

Tgt Ion: 117 Resp: 139623
Ion Ratio Lower Upper
117 100
82 53.2 42.1 63.1
119 30.8 25.7 38.5

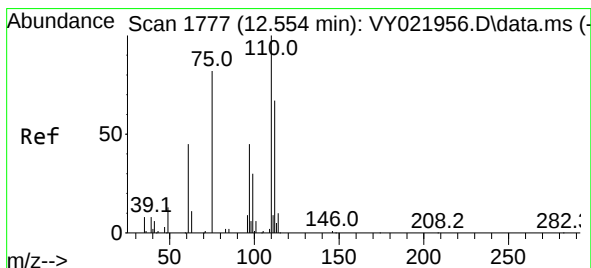
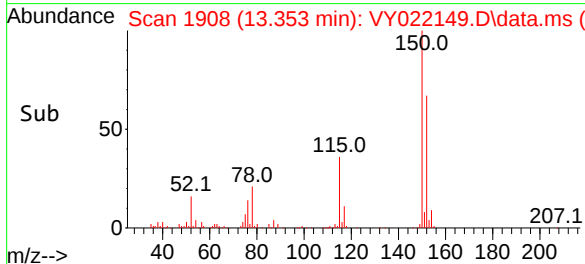
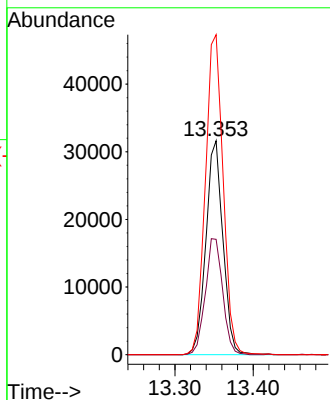
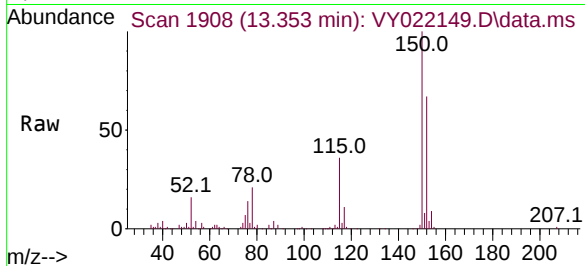




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY022149.D
 Acq: 05 May 2025 11:14

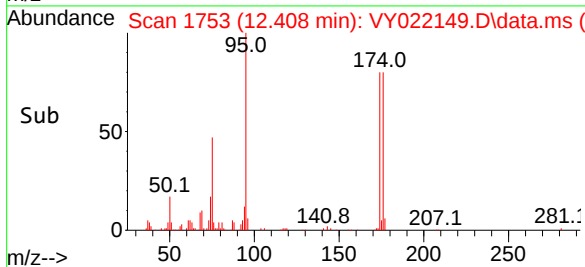
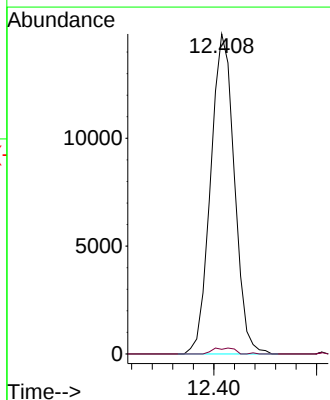
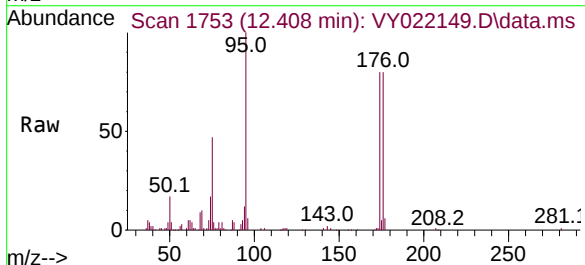
Instrument :
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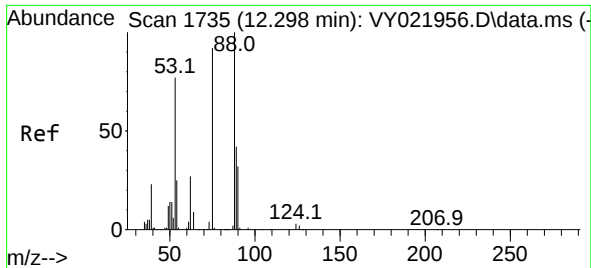
Tgt Ion:152 Resp: 47649
 Ion Ratio Lower Upper
 152 100
 115 55.1 28.0 84.0
 150 155.4 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 58.326 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022149.D
 Acq: 05 May 2025 11:14

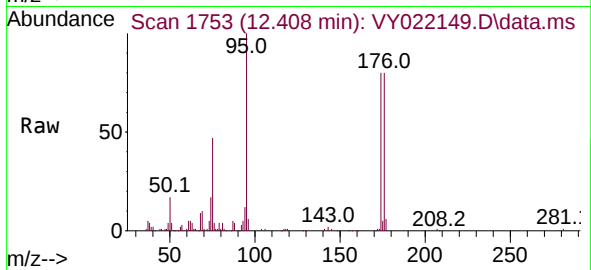
Tgt Ion: 75 Resp: 23805
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.458 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022149.D
 Acq: 05 May 2025 11:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-050125RE



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	66.0	99.0#
89	0.0	37.2	55.8#

