

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022043.D
 Acq On : 28 Apr 2025 19:46
 Operator : SY/MD
 Sample : Q1904-01
 Misc : 3.33g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-210

Quant Time: Apr 29 03:56:36 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)

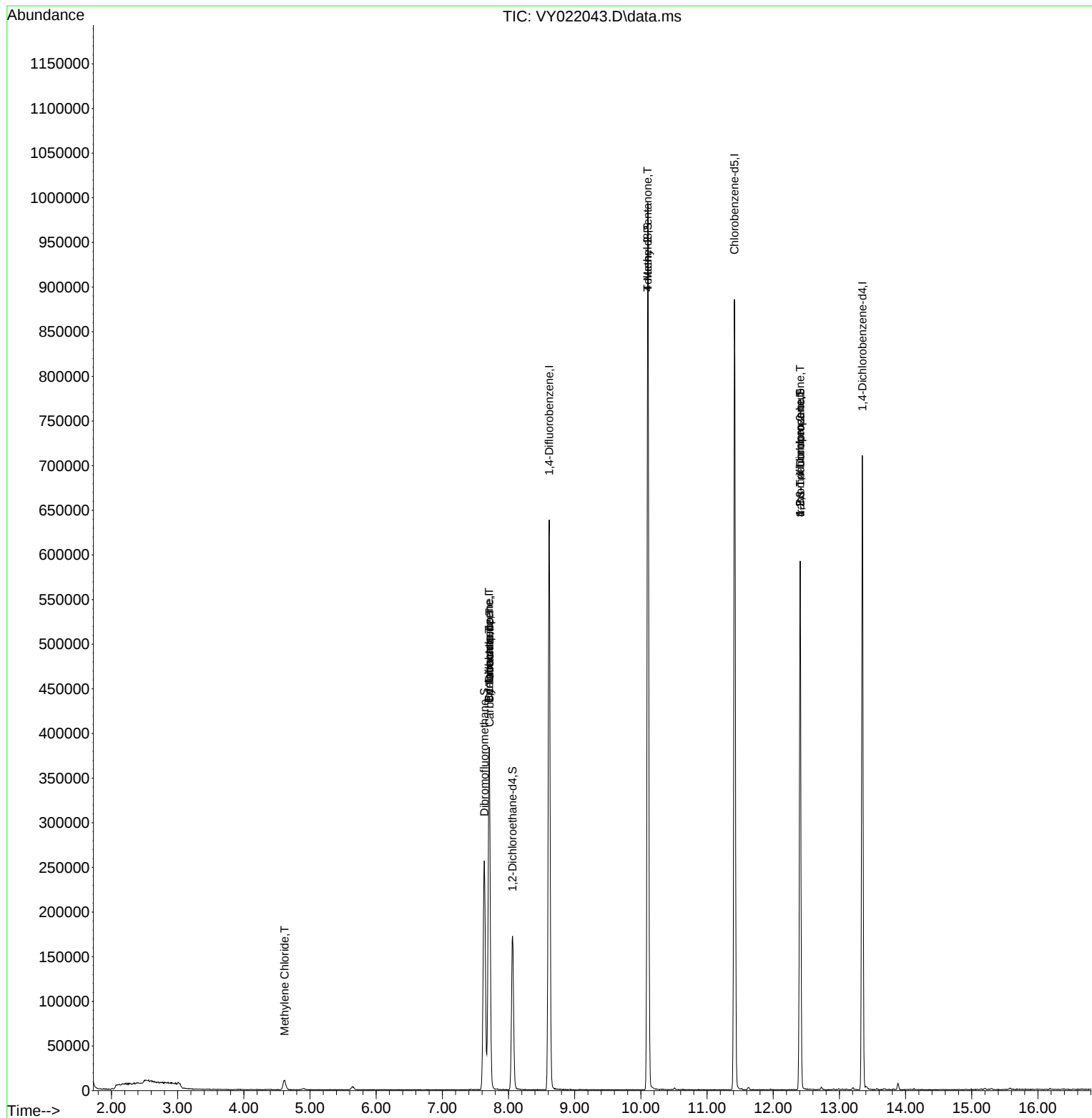
Internal Standards						
1) Pentafluorobenzene	7.707	168	299324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	563116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	491053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137631	49.780	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.560%
35) Dibromofluoromethane	7.634	113	185453	49.850	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.700%
50) Toluene-d8	10.103	98	677980	48.340	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.680%
62) 4-Bromofluorobenzene	12.407	95	180104	38.146	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.300%
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	333	Below Cal	#	41
20) Methylene Chloride	4.616	84	8542	2.443	ug/l	99
31) Cyclohexane	7.707	56	5425	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	21626	4.328	ug/l #	49
38) Carbon Tetrachloride	7.713	117	30476	5.104	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2408	1.333	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	86396	54.417	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	86396	131.045	ug/l #	16

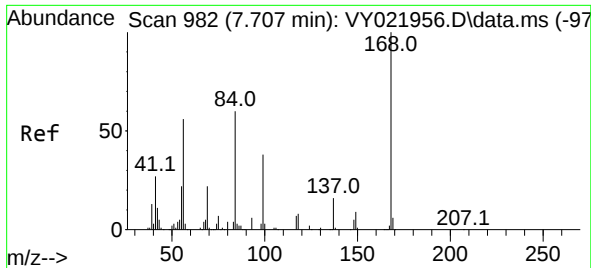
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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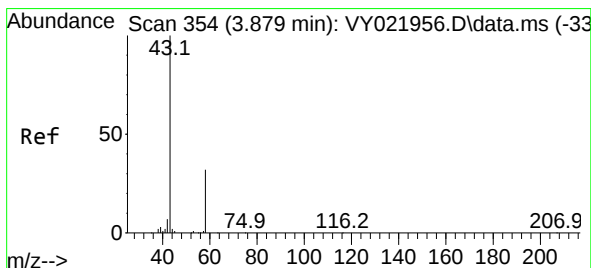
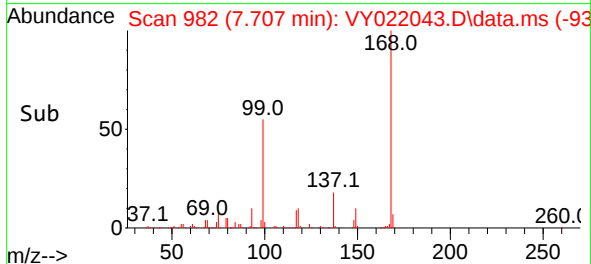
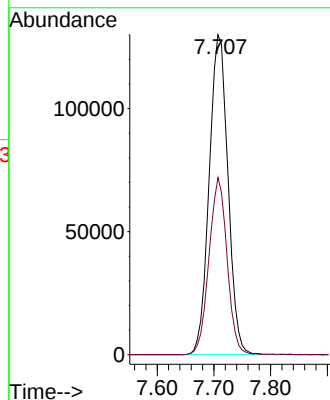
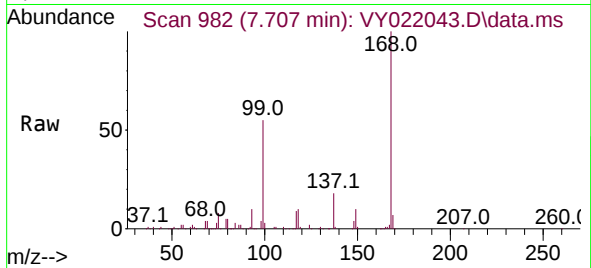




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

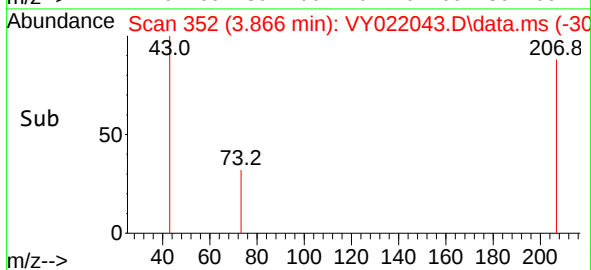
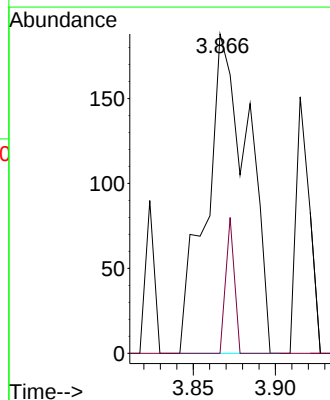
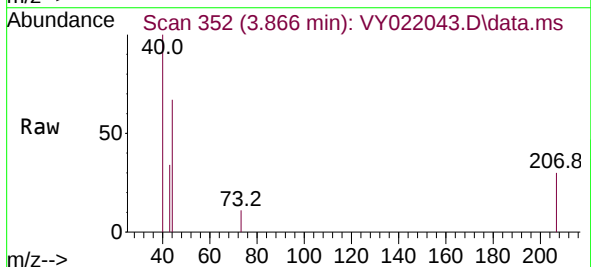
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

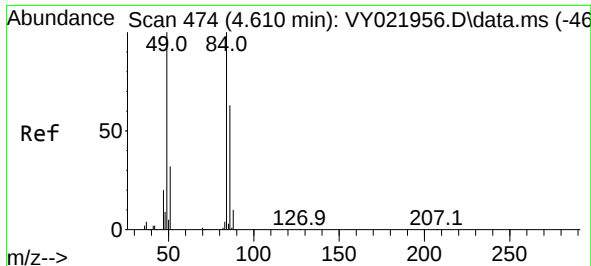
Tgt Ion:168 Resp: 299324
Ion Ratio Lower Upper
168 100
99 55.4 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

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

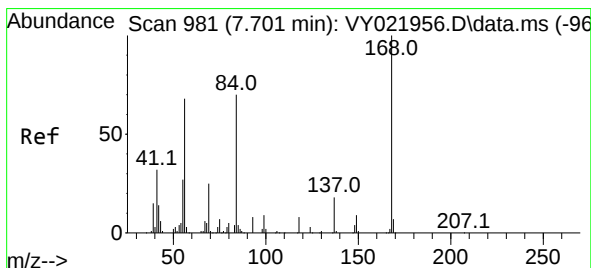
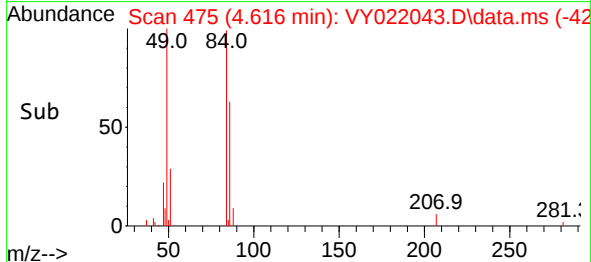
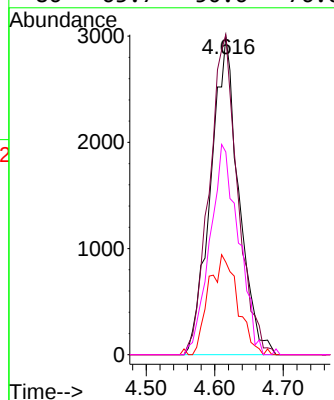
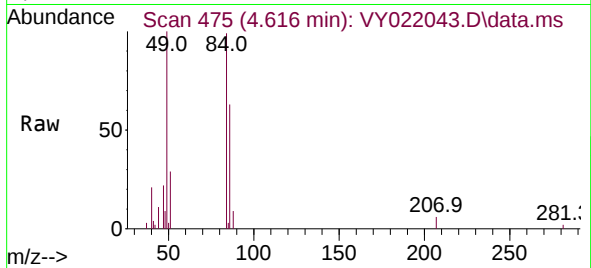




#20
Methylene Chloride
Concen: 2.443 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

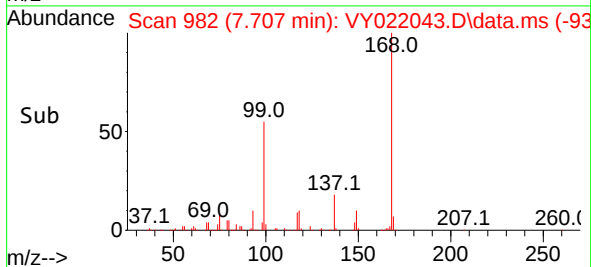
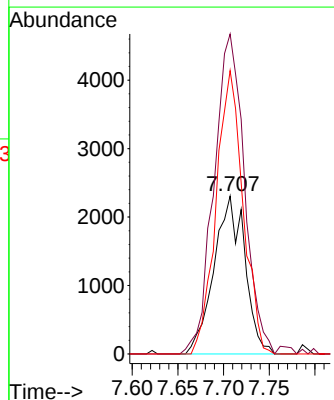
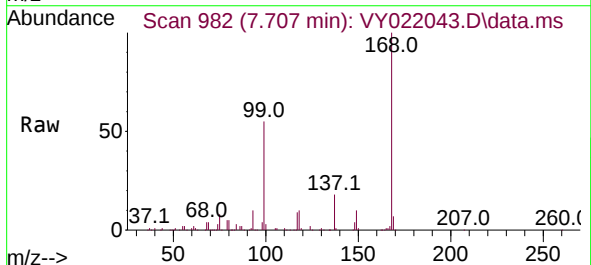
Instrument :
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VNJ-210

Tgt Ion:	84	Resp:	8542
Ion	Ratio	Lower	Upper
84	100		
49	100.6	79.9	119.9
51	29.1	25.4	38.0
86	63.7	50.6	76.0



#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

Tgt Ion:	56	Resp:	5425
Ion	Ratio	Lower	Upper
56	100		
69	202.6	29.4	44.2#
84	179.4	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 49.780 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022043.D

Acq: 28 Apr 2025 19:46

Instrument :

MSVOA_Y

ClientSampleId :

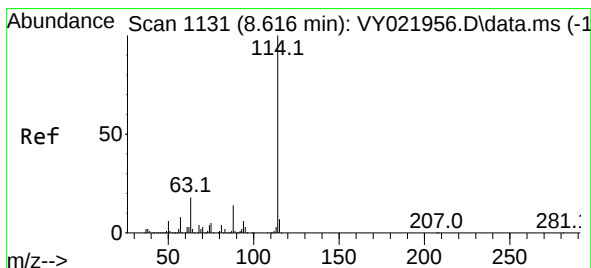
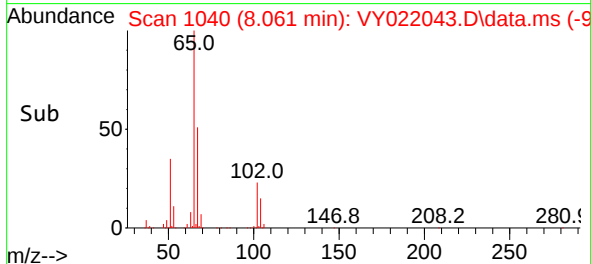
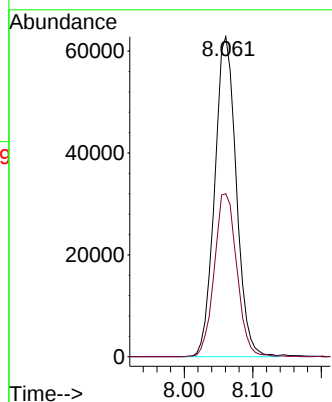
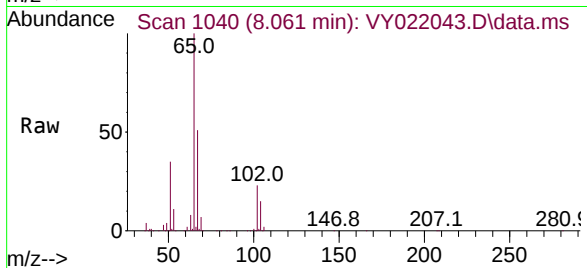
VNJ-210

Tgt Ion: 65 Resp: 137631

Ion Ratio Lower Upper

65 100

67 53.2 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: VY022043.D

Acq: 28 Apr 2025 19:46

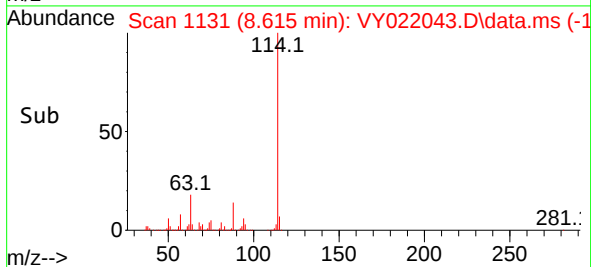
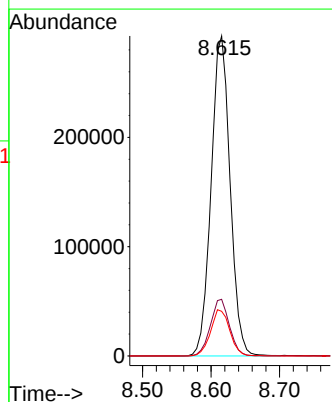
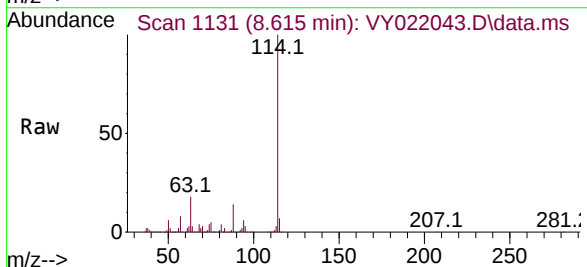
Tgt Ion: 114 Resp: 563116

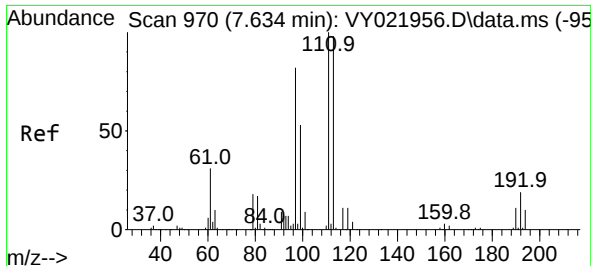
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.0 0.0 28.2

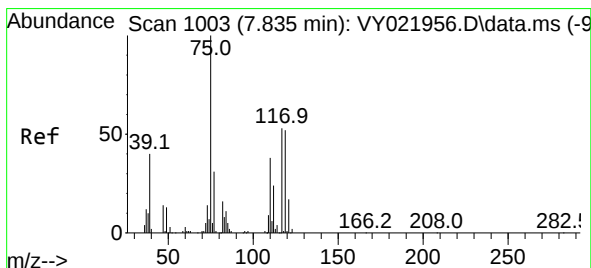
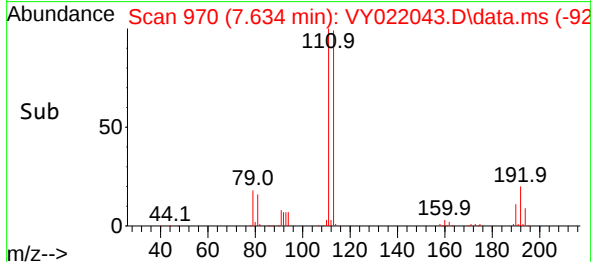
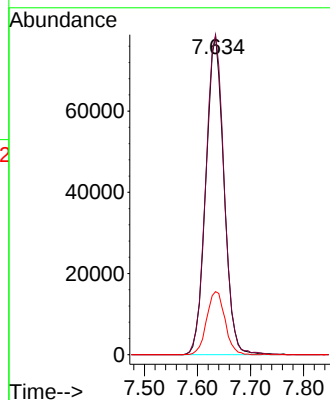
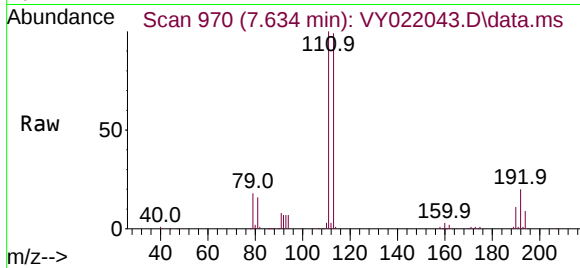




#35
Dibromofluoromethane
Concen: 49.850 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

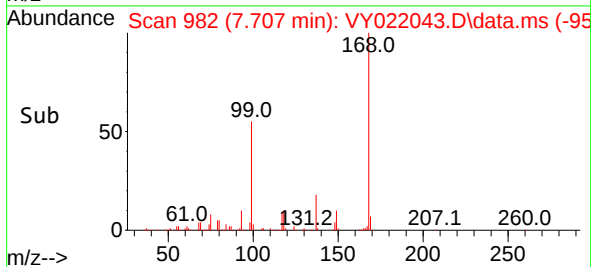
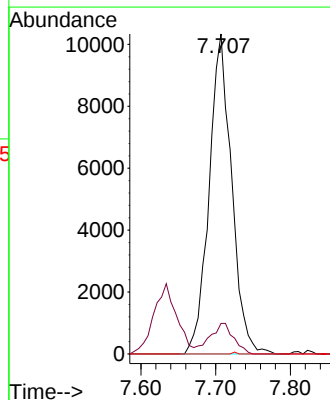
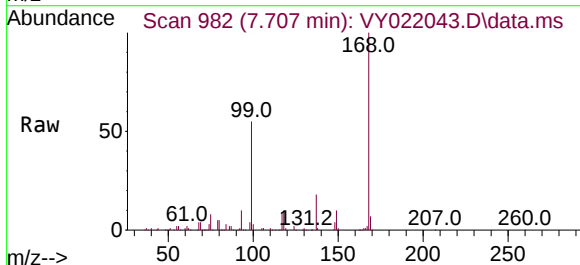
Instrument :
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ClientSampleId :
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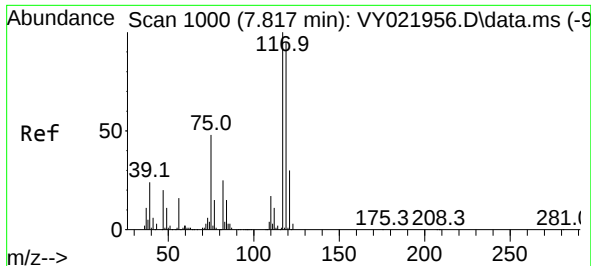
Tgt Ion:113 Resp: 185453
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 20.1 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.328 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

Tgt Ion: 75 Resp: 21626
Ion Ratio Lower Upper
75 100
110 10.2 19.1 57.3#
77 0.1 25.5 38.3#

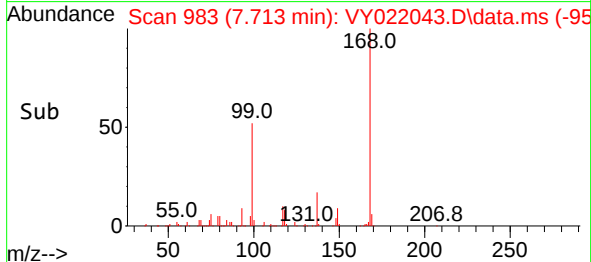
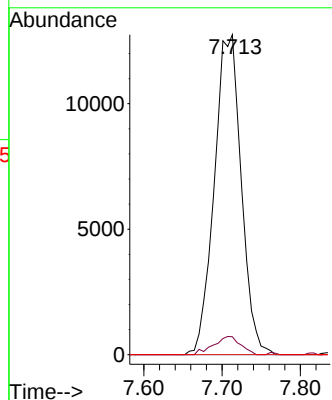
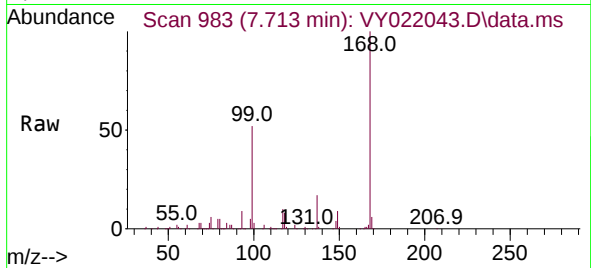




#38
Carbon Tetrachloride
Concen: 5.104 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

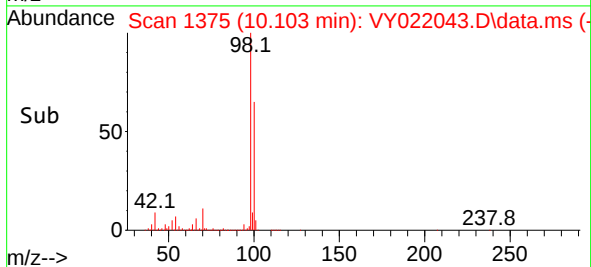
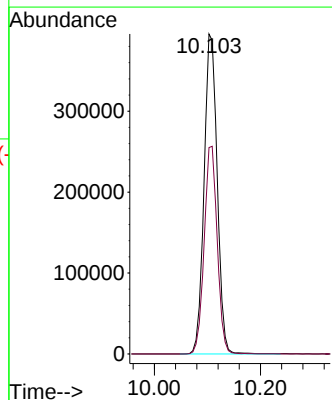
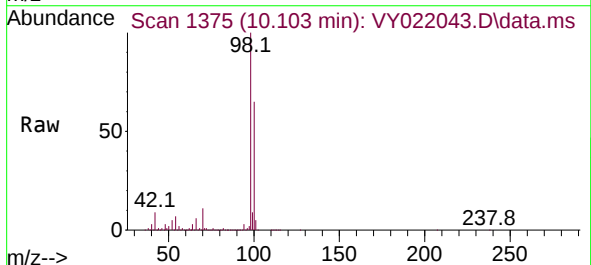
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MSVOA_Y
ClientSampleId :
VNJ-210

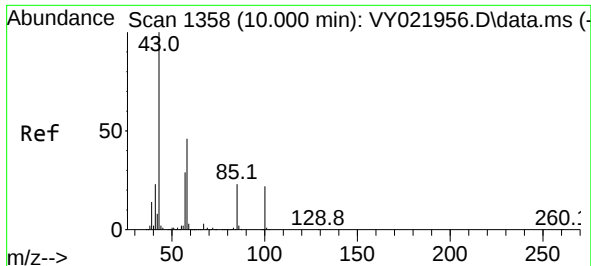
Tgt Ion:117 Resp: 30476
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.340 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

Tgt Ion: 98 Resp: 677980
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

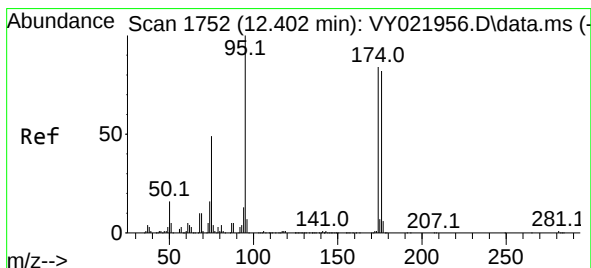
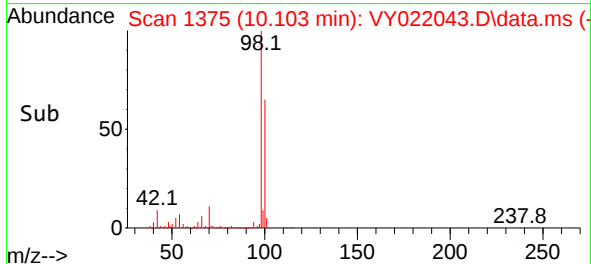
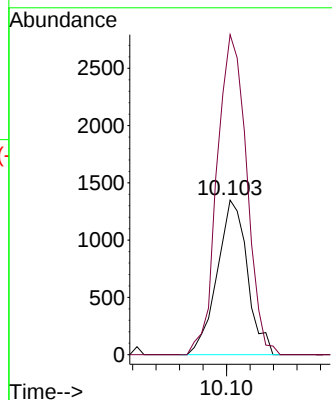
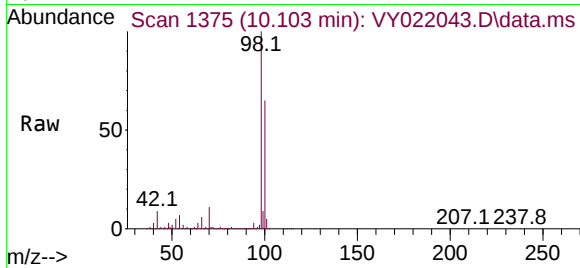




#51
4-Methyl-2-Pentanone
Concen: 1.333 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.103 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

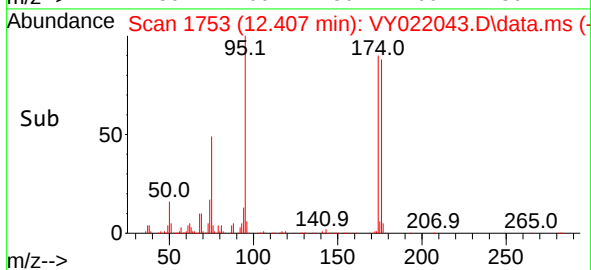
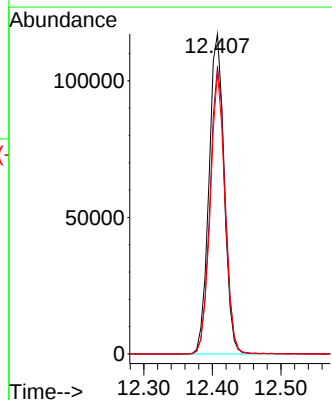
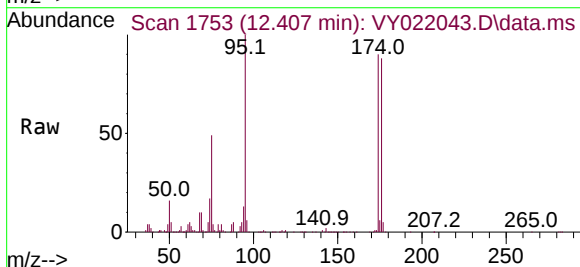
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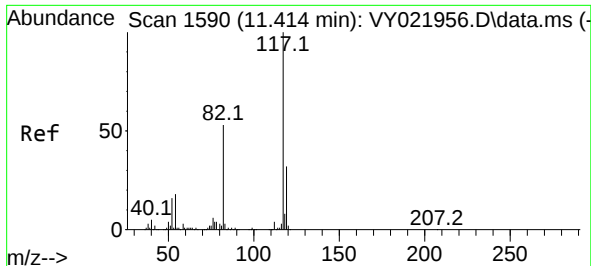
Tgt Ion: 43 Resp: 2408
Ion Ratio Lower Upper
43 100
58 203.3 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 38.146 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

Tgt Ion: 95 Resp: 180104
Ion Ratio Lower Upper
95 100
174 90.0 0.0 179.0
176 84.8 0.0 171.8

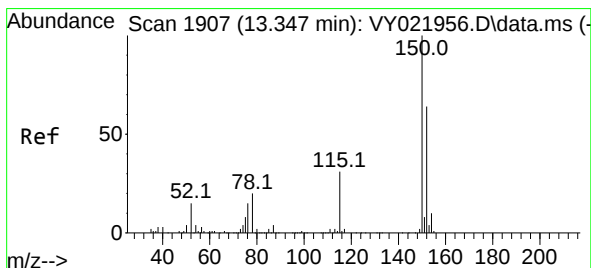
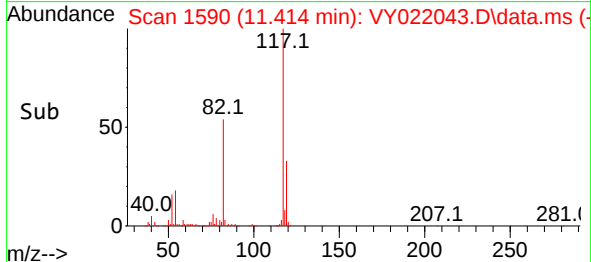
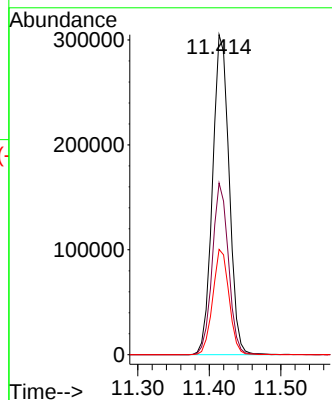
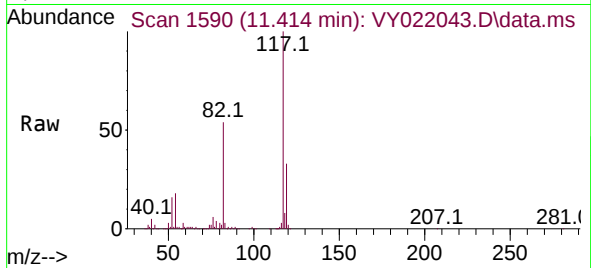




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

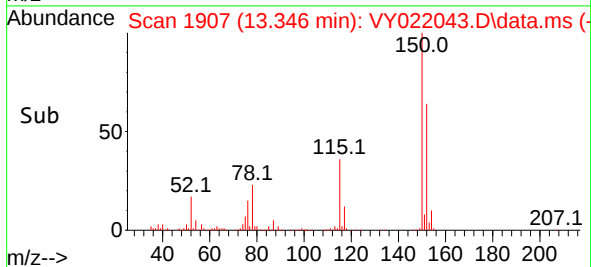
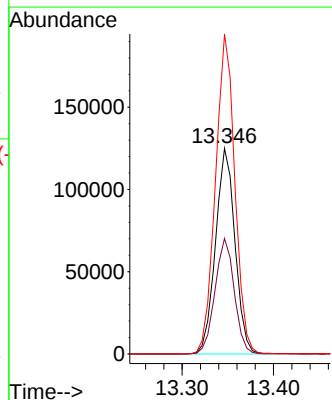
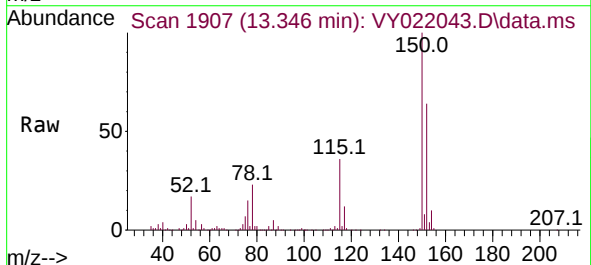
Instrument :
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VNJ-210

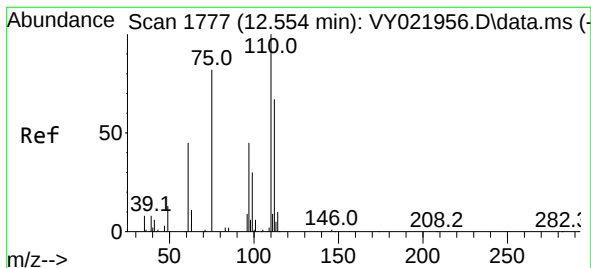
Tgt Ion:117 Resp: 491053
Ion Ratio Lower Upper
117 100
82 53.6 42.1 63.1
119 32.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

Tgt Ion:152 Resp: 185355
Ion Ratio Lower Upper
152 100
115 55.5 28.0 84.0
150 154.6 0.0 345.6

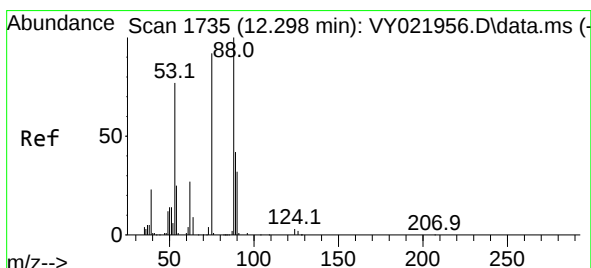
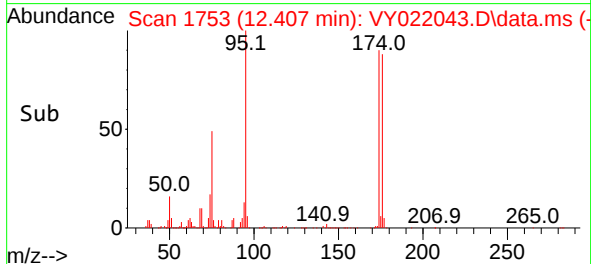
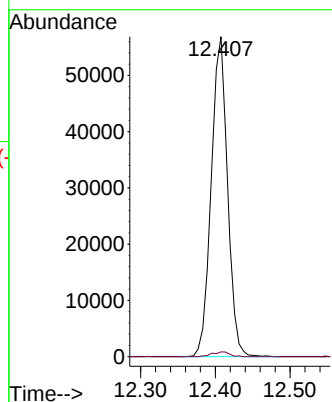
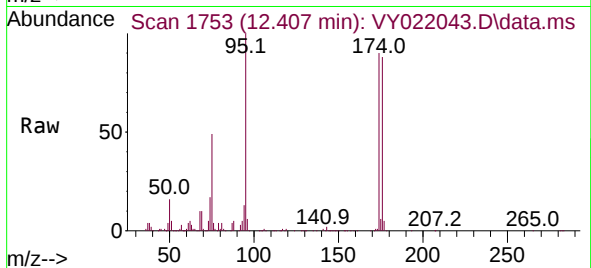




#76
1,2,3-Trichloropropane
Concen: 54.417 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

Tgt Ion: 75 Resp: 86396
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.045 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022043.D
Acq: 28 Apr 2025 19:46

Tgt Ion: 75 Resp: 86396
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 37.2 55.8#

