

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
 Data File : VY021417.D
 Acq On : 05 Mar 2025 16:55
 Operator : SY/MD
 Sample : Q1482-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-030425

Quant Time: Mar 06 02:57:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

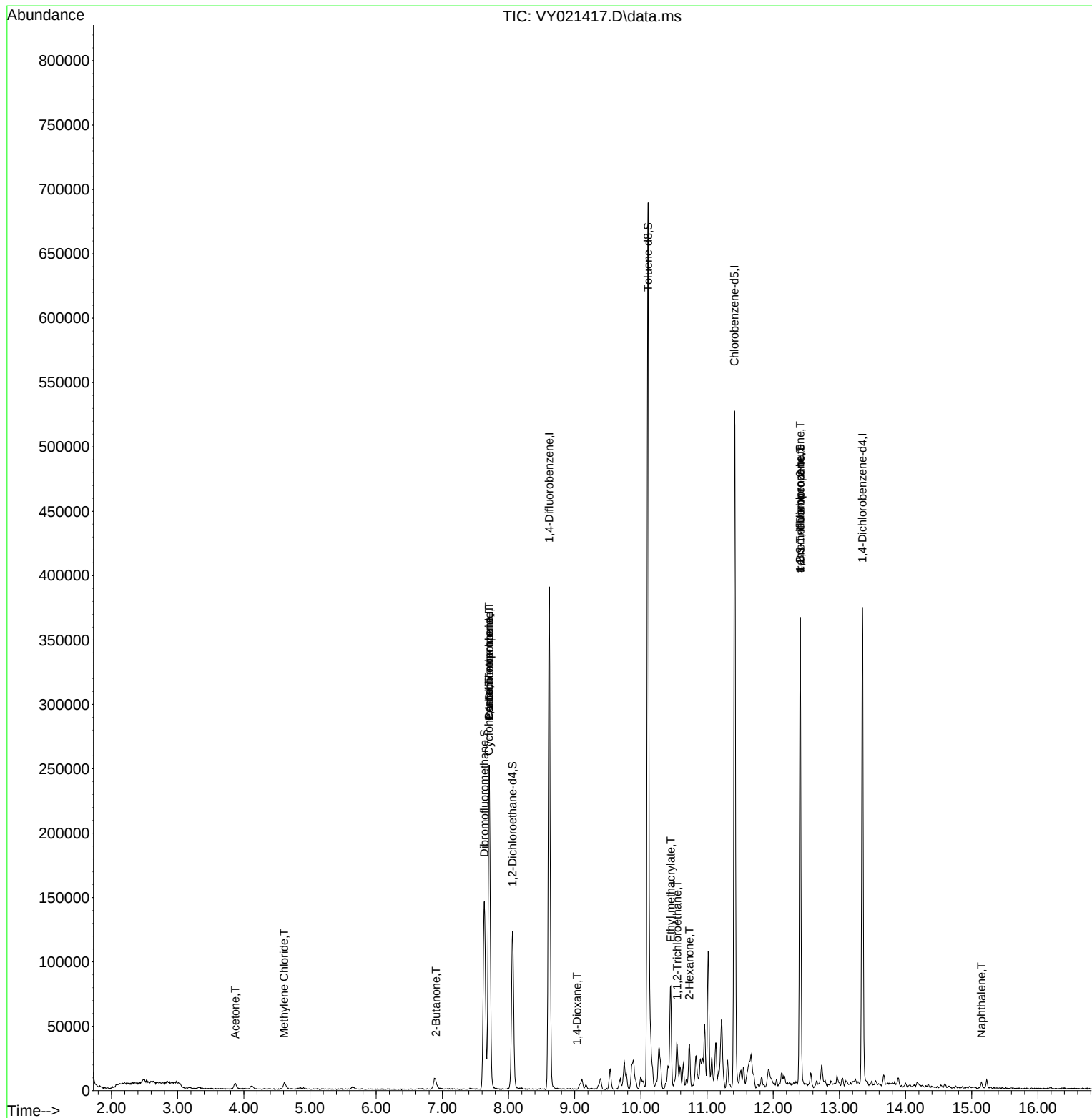
Internal Standards						
1) Pentafluorobenzene	7.707	168	183935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	318416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	271304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	91603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98403	50.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.240%
35) Dibromofluoromethane	7.634	113	104034	49.706	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.420%
50) Toluene-d8	10.109	98	395090	49.855	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.720%
62) 4-Bromofluorobenzene	12.407	95	105807	39.251	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	1058	Below Cal	#	72
16) Acetone	3.872	43	7153	16.869	ug/l	93
20) Methylene Chloride	4.610	84	3269	1.469	ug/l	85
25) 2-Butanone	6.902	43	2028	3.458	ug/l	92
31) Cyclohexane	7.701	56	4459	1.225	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	16122	4.921	ug/l #	45
38) Carbon Tetrachloride	7.707	117	18697	4.962	ug/l #	18
49) 1,4-Dioxane	9.036	88	22	1.754	ug/l #	22
55) 1,1,2-Trichloroethane	10.548	97	12506	7.481	ug/l #	19
56) Ethyl methacrylate	10.451	69	7604	3.566	ug/l #	1
59) 2-Hexanone	10.731	43	12462	12.994	ug/l #	30
76) 1,2,3-Trichloropropane	12.407	75	56765	61.496	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	56765	139.800	ug/l #	9
95) Naphthalene	15.145	128	3583	2.890	ug/l	96

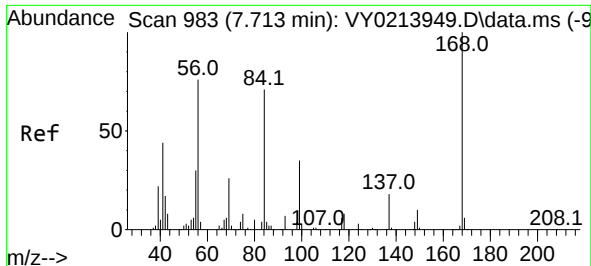
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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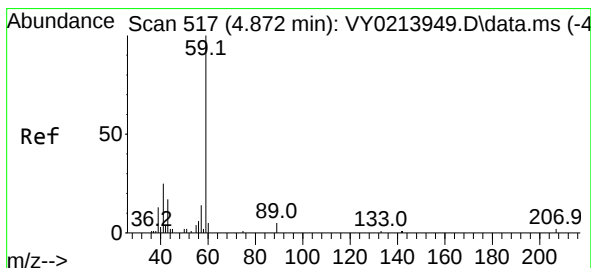
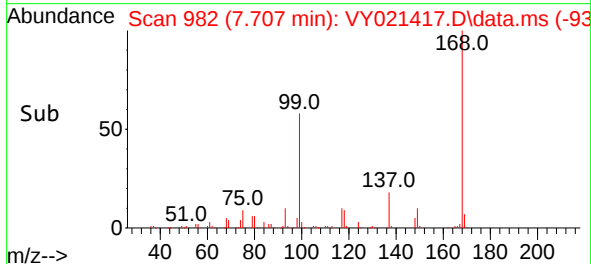
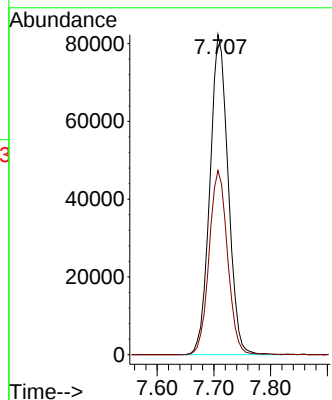
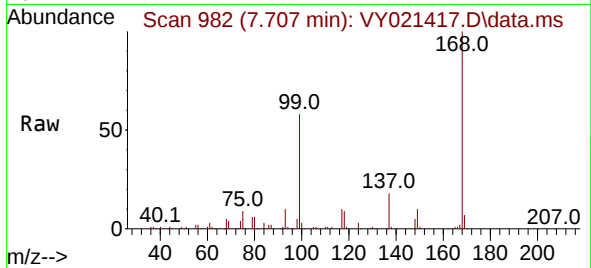




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

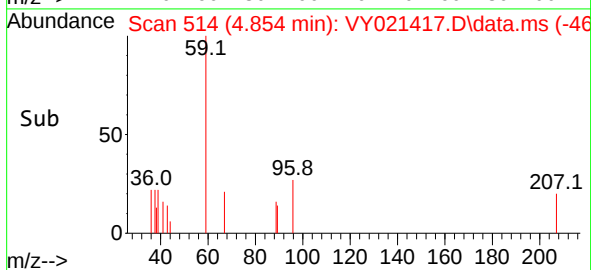
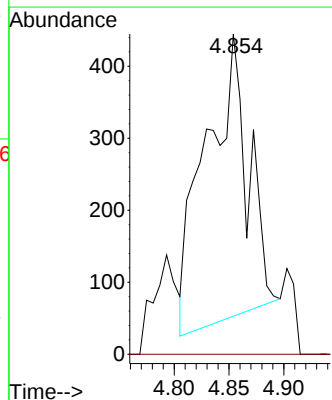
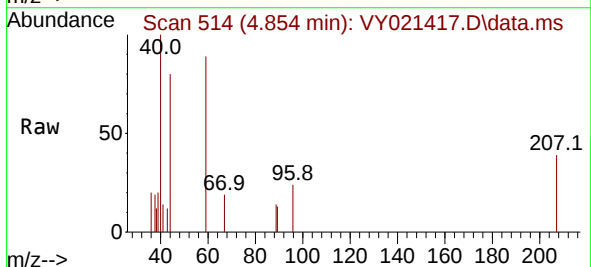
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-030425

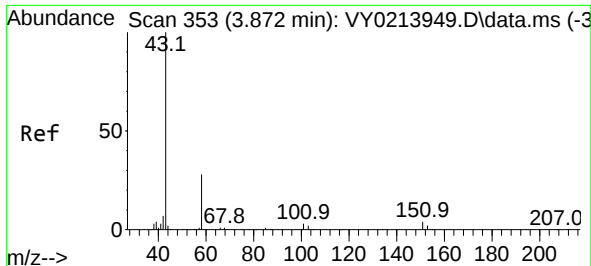
Tgt Ion:168 Resp: 183935
Ion Ratio Lower Upper
168 100
99 57.6 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

Tgt Ion: 59 Resp: 1058
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

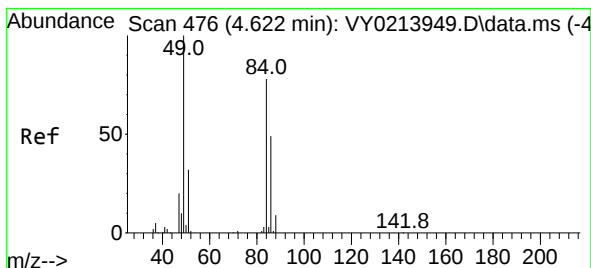
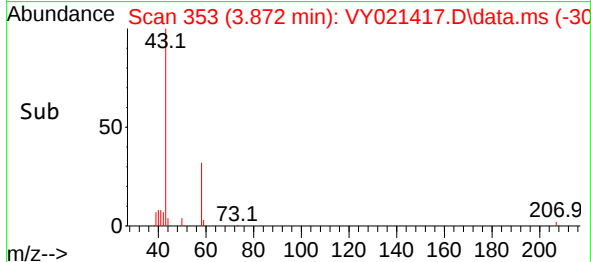
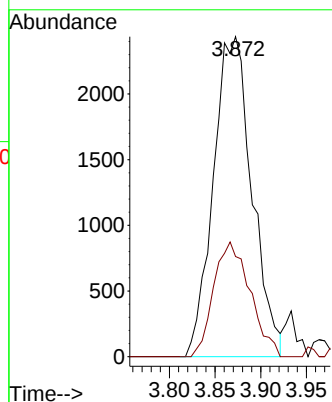
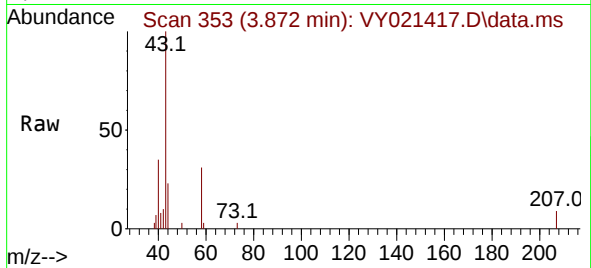




#16
Acetone
Concen: 16.869 ug/l
RT: 3.872 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

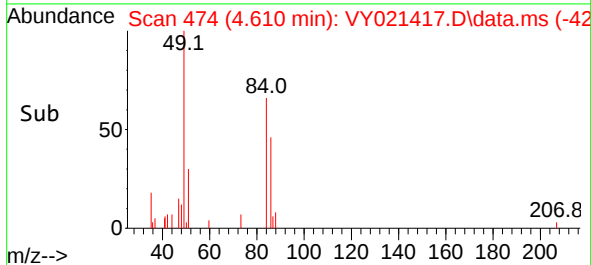
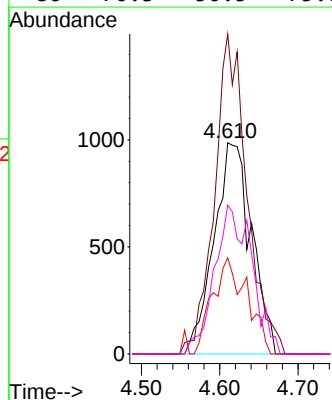
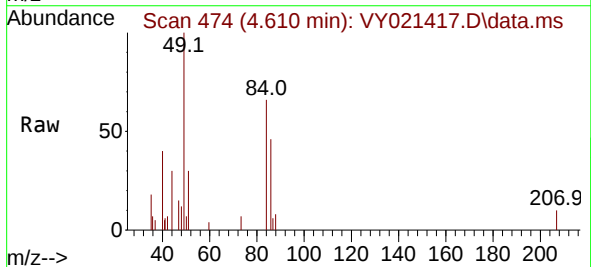
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-030425

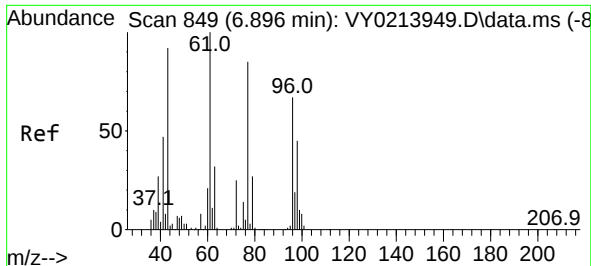
Tgt Ion: 43 Resp: 7153
Ion Ratio Lower Upper
43 100
58 31.3 22.1 33.1



#20
Methylene Chloride
Concen: 1.469 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

Tgt Ion: 84 Resp: 3269
Ion Ratio Lower Upper
84 100
49 151.5 102.0 153.0
51 45.5 33.0 49.6
86 70.3 50.5 75.7





#25

2-Butanone

Concen: 3.458 ug/l

RT: 6.902 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY021417.D

Acq: 05 Mar 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

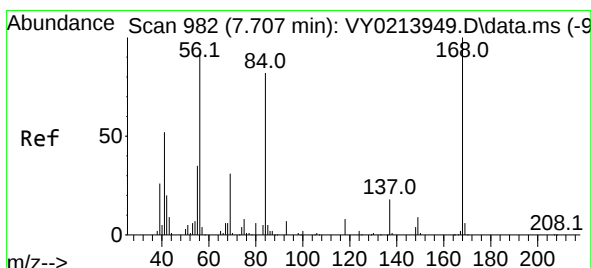
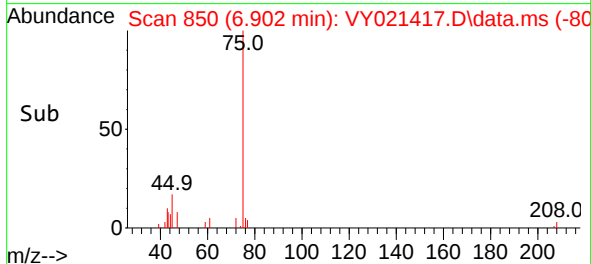
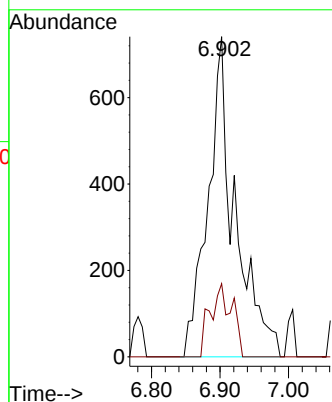
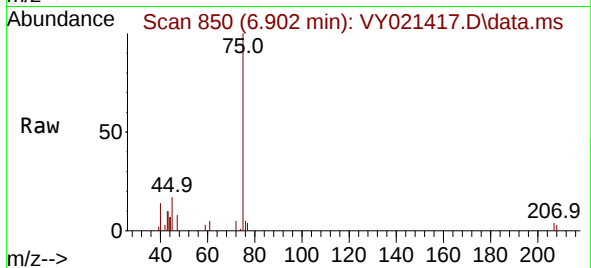
OR-03-030425

Tgt Ion: 43 Resp: 2028

Ion Ratio Lower Upper

43 100

72 22.8 21.4 32.0



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021417.D

Acq: 05 Mar 2025 16:55

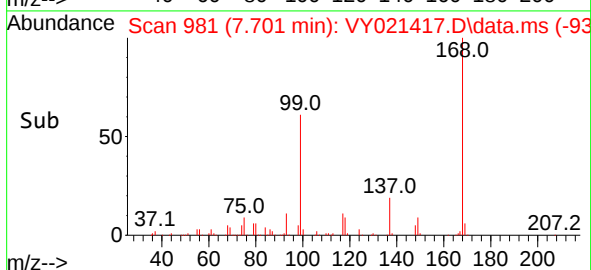
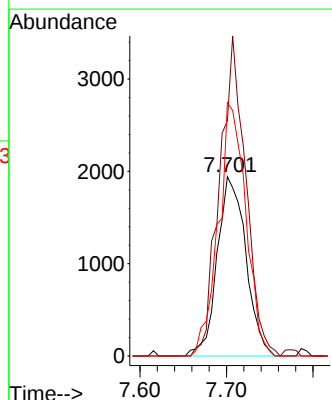
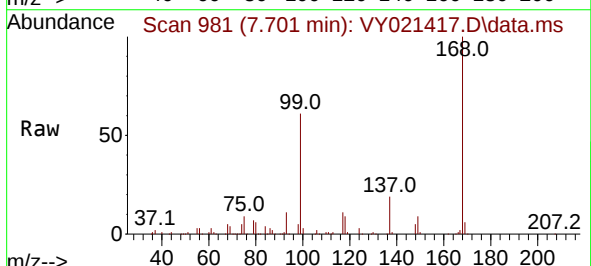
Tgt Ion: 56 Resp: 4459

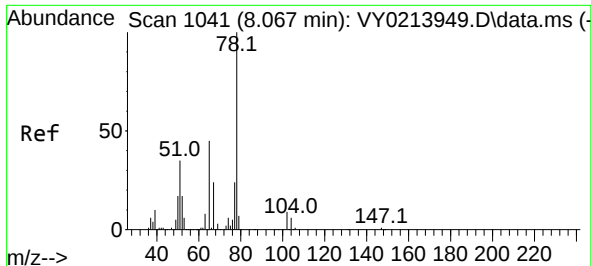
Ion Ratio Lower Upper

56 100

69 131.2 27.0 40.4#

84 141.3 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 50.617 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021417.D

Acq: 05 Mar 2025 16:55

Instrument :

MSVOA_Y

ClientSampleId :

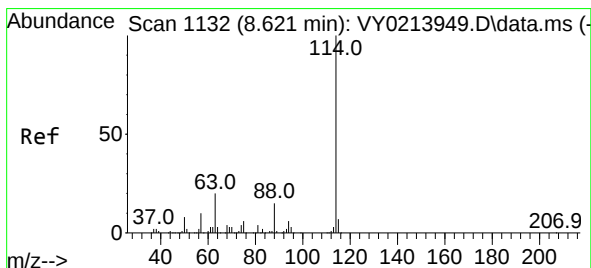
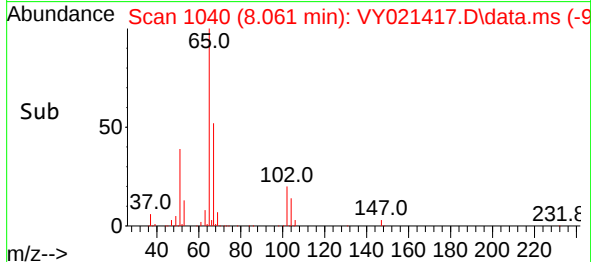
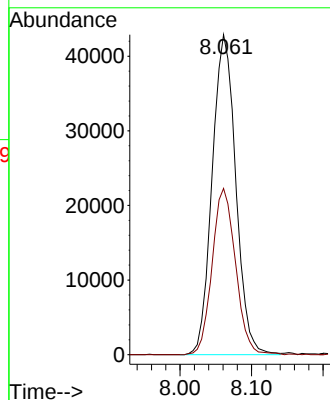
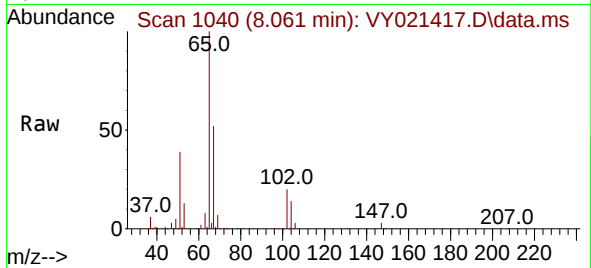
OR-03-030425

Tgt Ion: 65 Resp: 98403

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021417.D

Acq: 05 Mar 2025 16:55

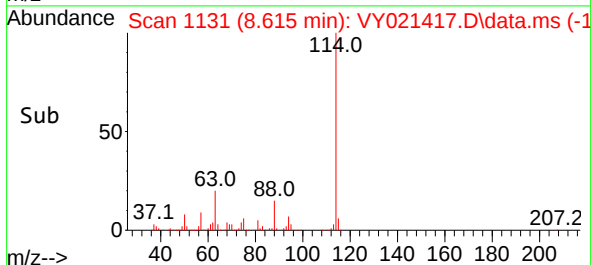
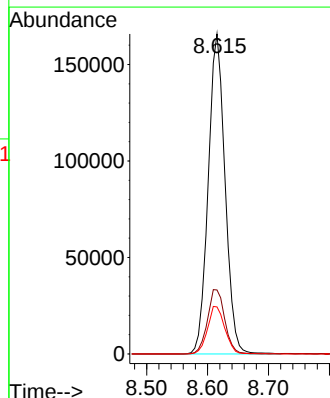
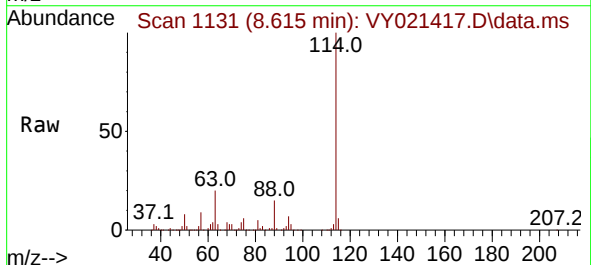
Tgt Ion: 114 Resp: 318416

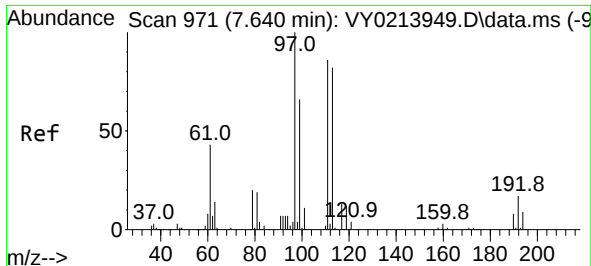
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 14.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.706 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021417.D

Acq: 05 Mar 2025 16:55

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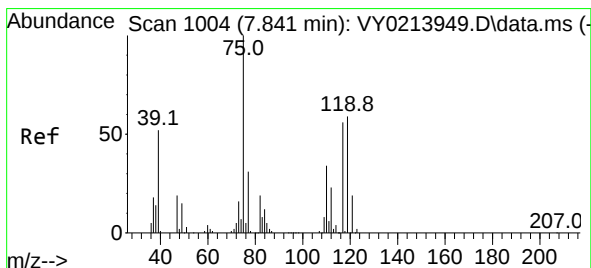
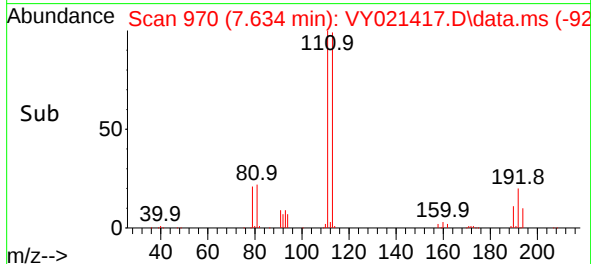
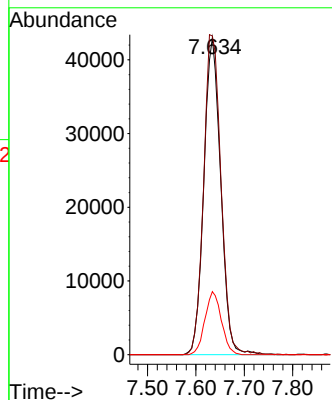
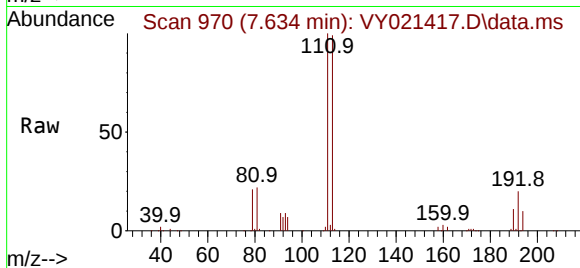
Tgt Ion:113 Resp: 104034

Ion Ratio Lower Upper

113 100

111 104.2 82.0 123.0

192 19.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.921 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021417.D

Acq: 05 Mar 2025 16:55

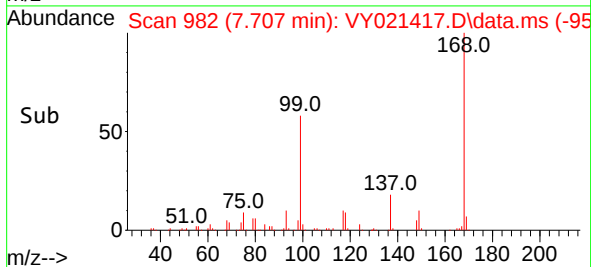
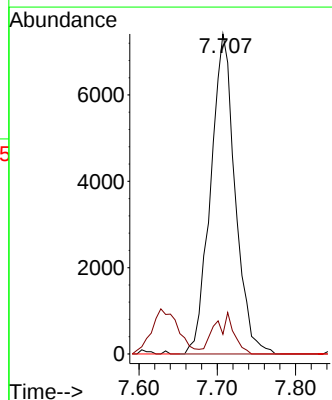
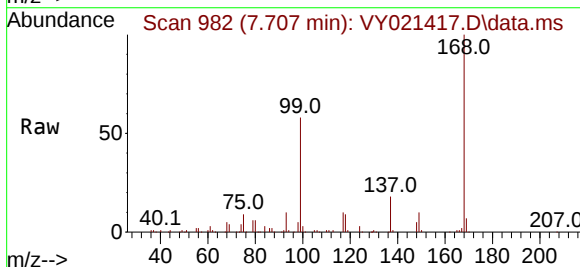
Tgt Ion: 75 Resp: 16122

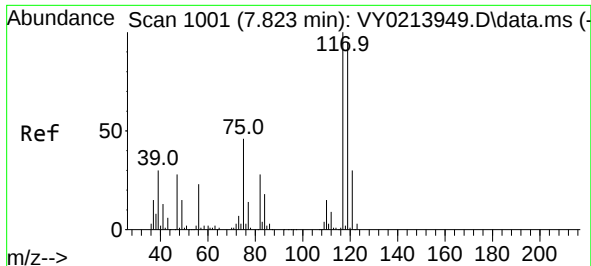
Ion Ratio Lower Upper

75 100

110 4.1 17.3 51.7#

77 0.0 25.4 38.2#

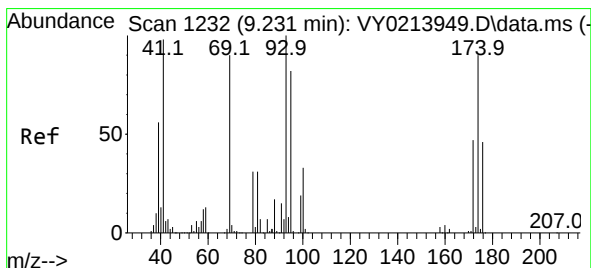
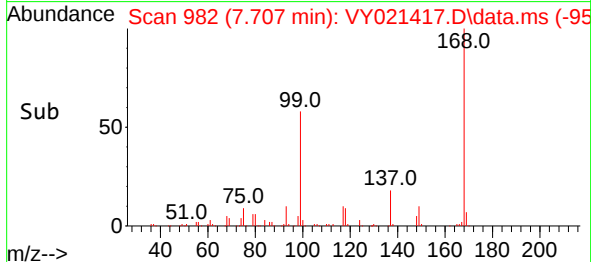
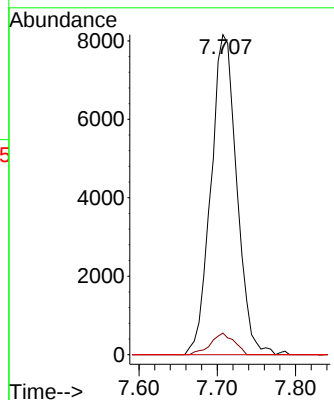
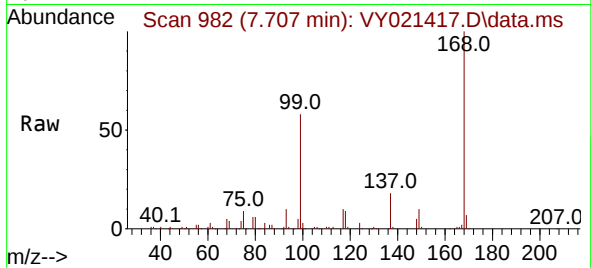




#38
Carbon Tetrachloride
Concen: 4.962 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

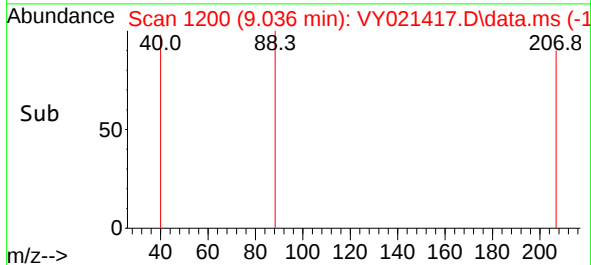
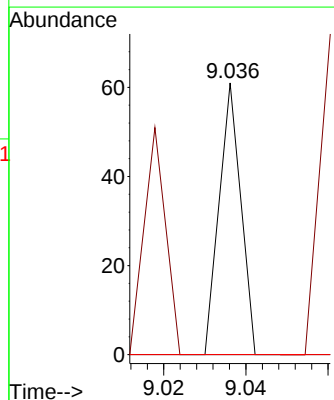
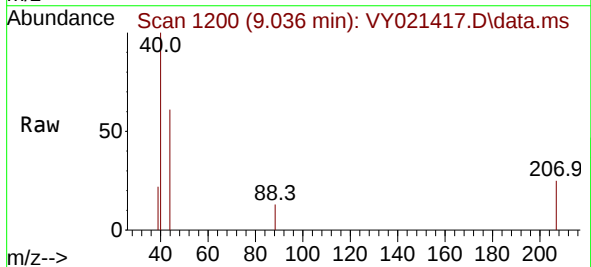
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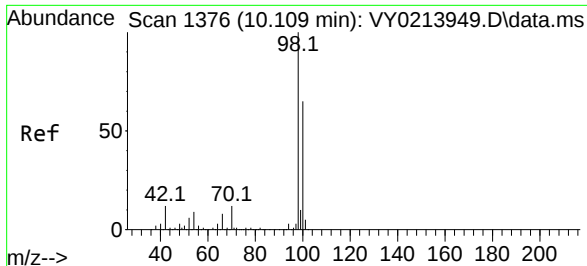
Tgt Ion:117 Resp: 18697
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 1.754 ug/l
RT: 9.036 min Scan# 1200
Delta R.T. -0.195 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 25.0 37.4#
58 0.0 58.4 87.6#

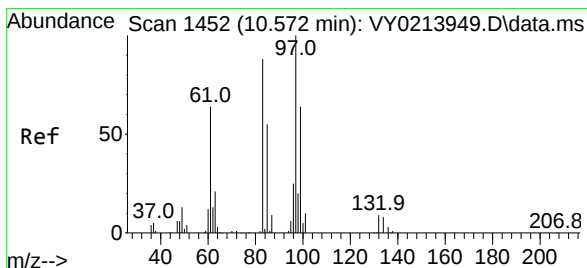
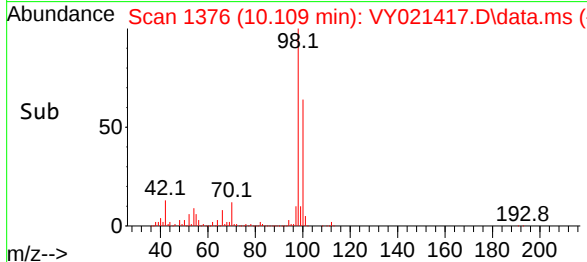
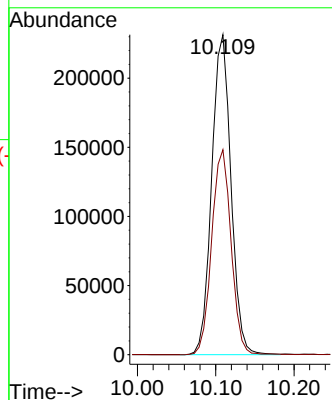
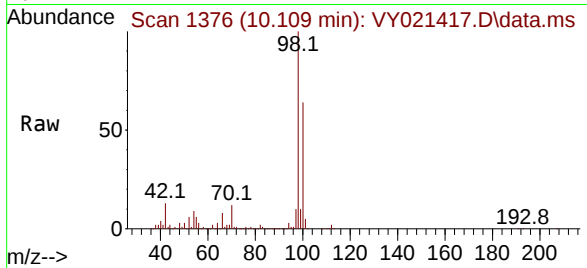




#50
Toluene-d8
Concen: 49.855 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

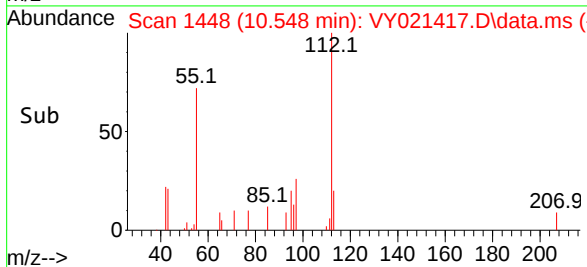
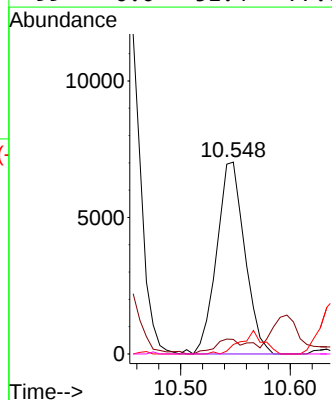
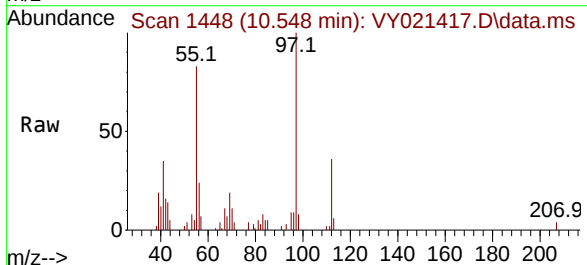
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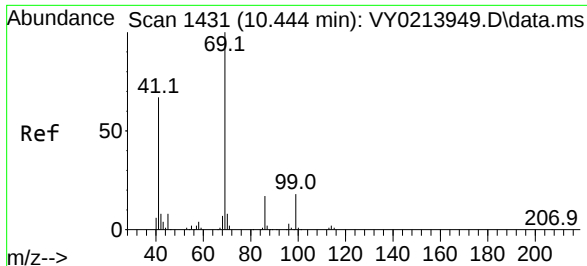
Tgt Ion: 98 Resp: 395090
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#55
1,1,2-Trichloroethane
Concen: 7.481 ug/l
RT: 10.548 min Scan# 1448
Delta R.T. -0.024 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

Tgt Ion: 97 Resp: 12506
Ion Ratio Lower Upper
97 100
83 6.2 70.0 105.0#
85 4.9 44.3 66.5#
99 0.0 51.4 77.0#





#56

Ethyl methacrylate

Concen: 3.566 ug/l

RT: 10.451 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY021417.D

Acq: 05 Mar 2025 16:55

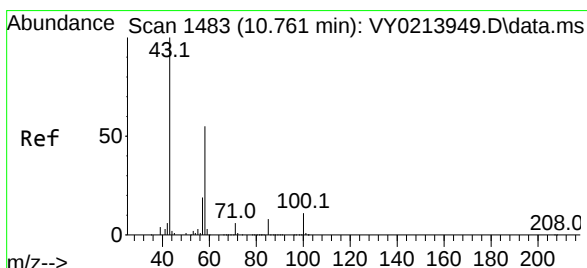
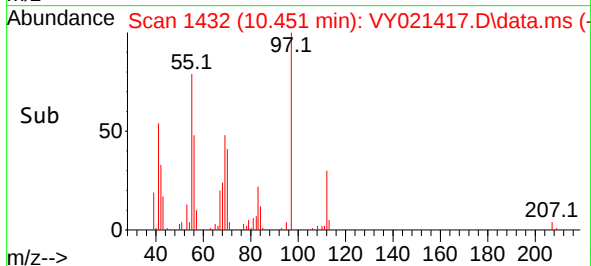
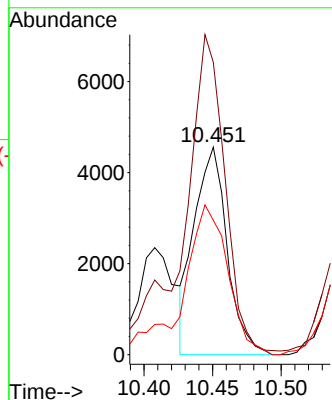
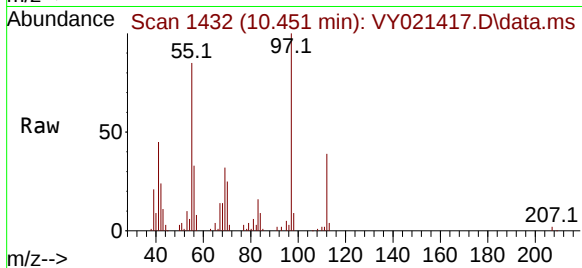
Instrument :

MSVOA_Y

ClientSampleId :

OR-03-030425

Tgt Ion:	69	Resp:	7604
Ion	Ratio	Lower	Upper
69	100		
41	193.8	53.3	79.9#
39	103.1	31.0	46.6#



#59

2-Hexanone

Concen: 12.994 ug/l

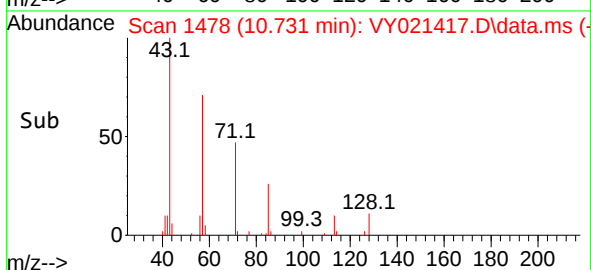
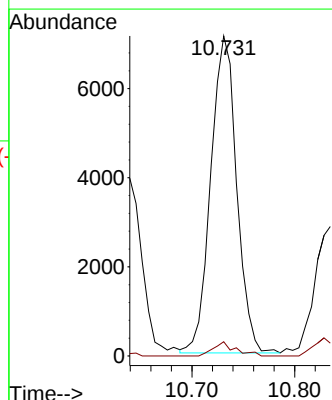
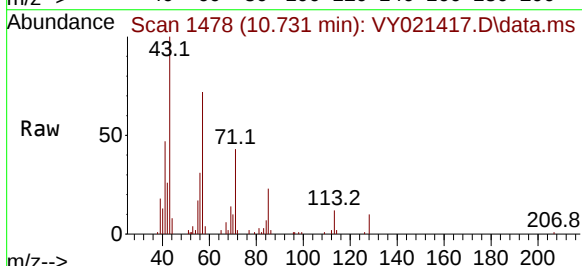
RT: 10.731 min Scan# 1478

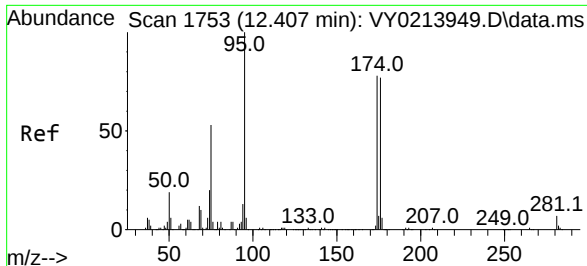
Delta R.T. -0.030 min

Lab File: VY021417.D

Acq: 05 Mar 2025 16:55

Tgt Ion:	43	Resp:	12462
Ion	Ratio	Lower	Upper
43	100		
58	3.8	27.3	81.8#

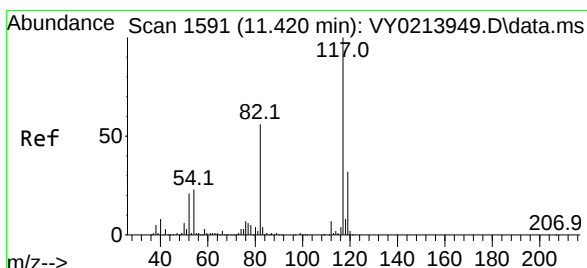
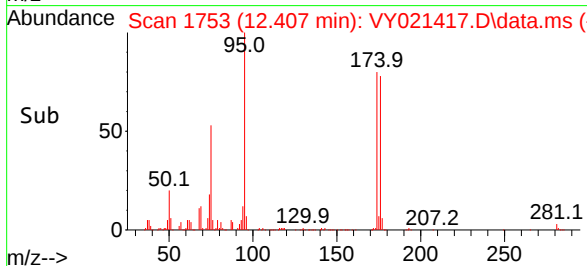
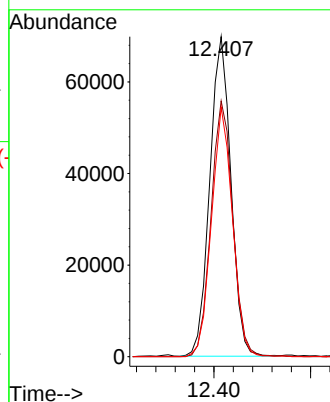
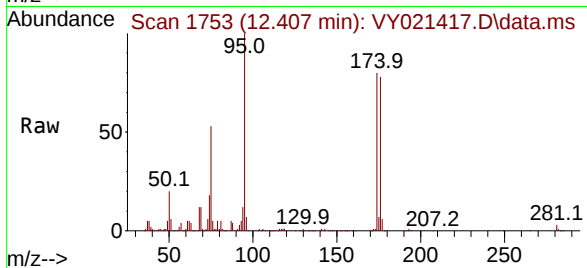




#62
4-Bromofluorobenzene
Concen: 39.251 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

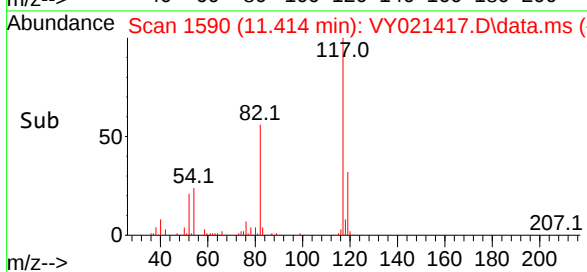
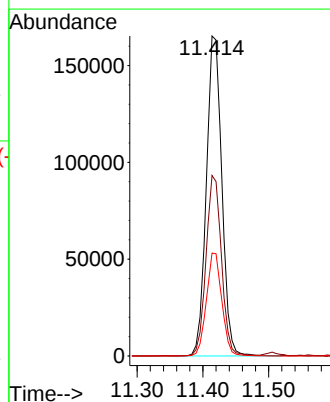
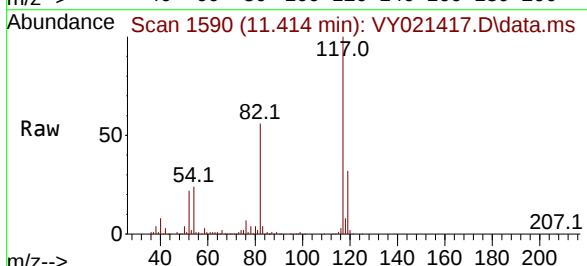
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-030425

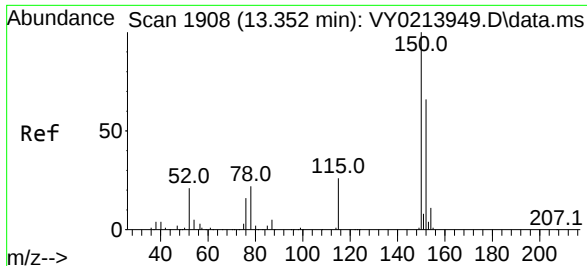
Tgt Ion: 95 Resp: 105807
Ion Ratio Lower Upper
95 100
174 82.3 0.0 165.0
176 77.6 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

Tgt Ion: 117 Resp: 271304
Ion Ratio Lower Upper
117 100
82 56.3 44.6 67.0
119 32.2 25.4 38.0

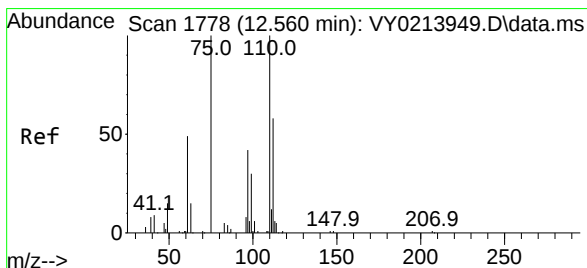
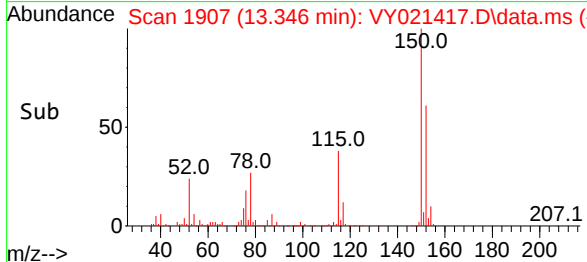
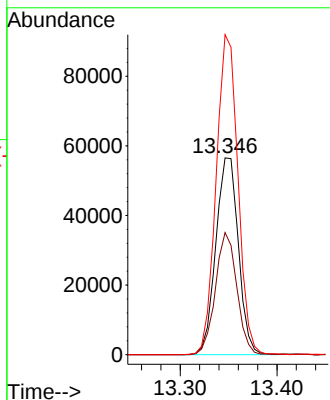
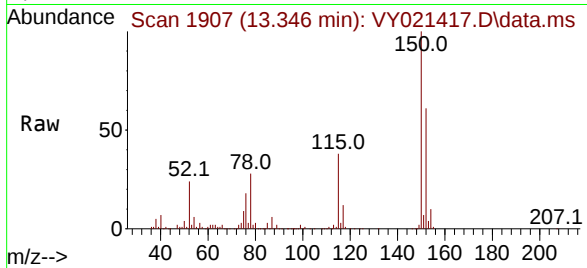




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021417.D
 Acq: 05 Mar 2025 16:55

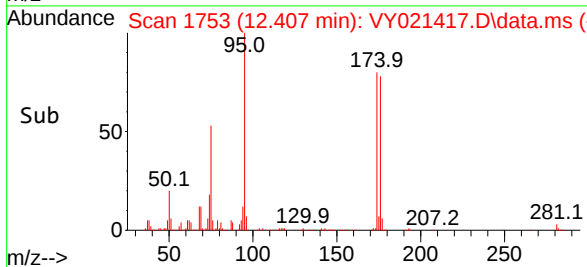
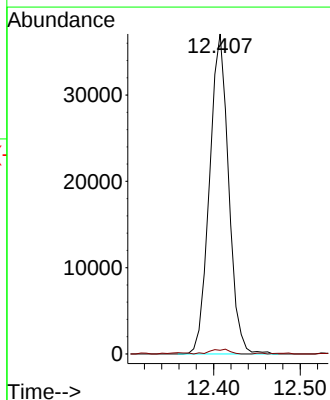
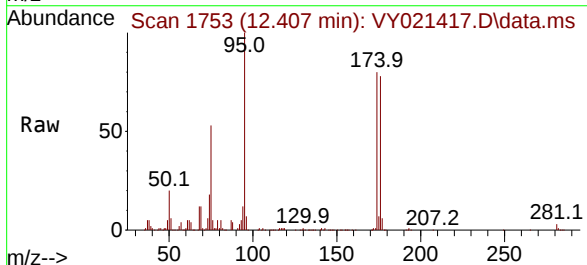
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-030425

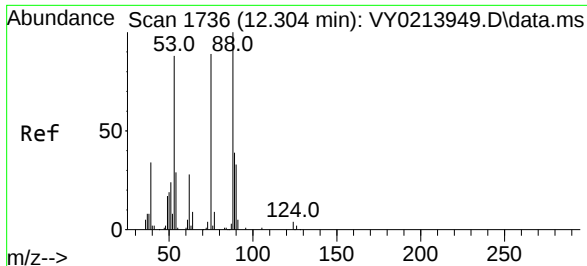
Tgt Ion:152 Resp: 91603
 Ion Ratio Lower Upper
 152 100
 115 58.9 29.0 87.0
 150 156.9 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 61.496 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021417.D
 Acq: 05 Mar 2025 16:55

Tgt Ion: 75 Resp: 56765
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

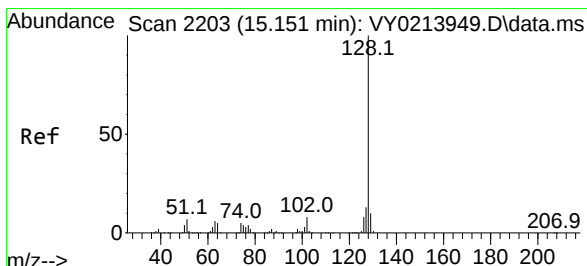
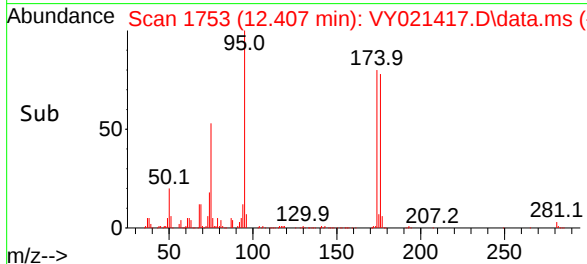
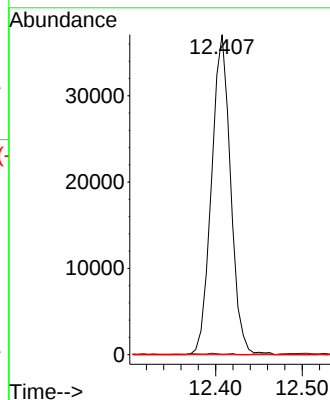
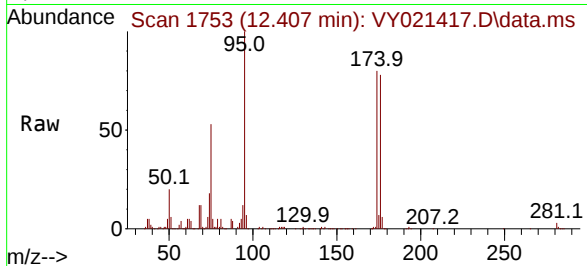




#81
trans-1,4-Dichloro-2-butene
Concen: 139.800 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-030425

Tgt Ion: 75 Resp: 56765
Ion Ratio Lower Upper
75 100
53 0.3 81.0 121.4#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 2.890 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021417.D
Acq: 05 Mar 2025 16:55

Tgt Ion: 128 Resp: 3583
Ion Ratio Lower Upper
128 100
127 14.3 10.6 15.8
129 12.8 8.6 13.0

