

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021465.D
 Acq On : 07 Mar 2025 16:49
 Operator : SY/MD
 Sample : Q1515-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-030625-E2

Quant Time: Mar 07 22:02:54 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)

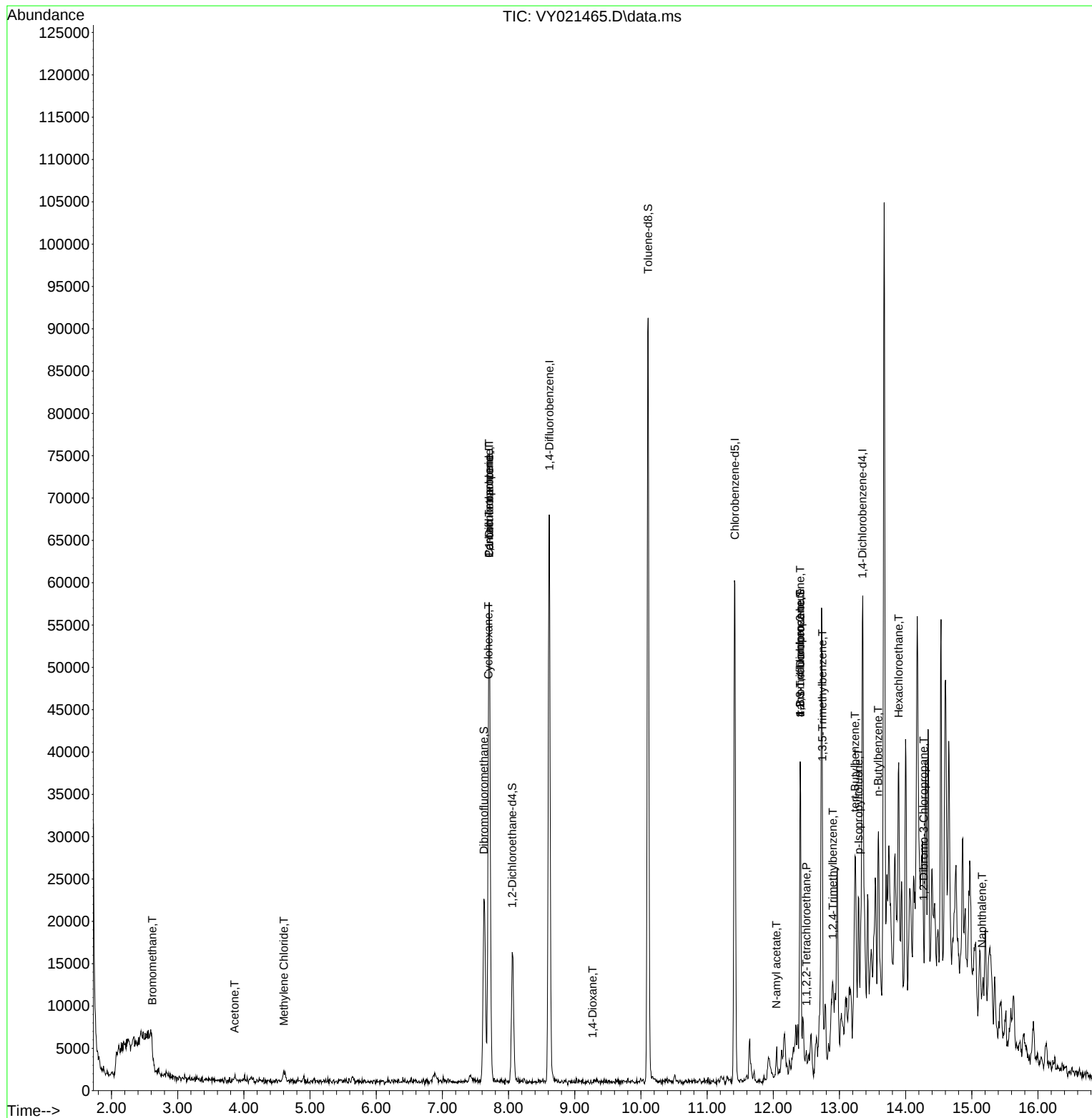
Internal Standards						
1) Pentafluorobenzene	7.707	168	43006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	54423	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	31680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	10031	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	12992	28.582	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	57.160%		
35) Dibromofluoromethane	7.628	113	15780	44.111	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.220%		
50) Toluene-d8	10.109	98	57934	42.772	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.540%		
62) 4-Bromofluorobenzene	12.407	95	10624	23.059	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	46.120%		
Target Compounds						Qvalue
5) Bromomethane	2.616	94	743	1.691	ug/l #	52
11) Tert butyl alcohol	4.835	59	85	Below Cal	#	72
16) Acetone	3.860	43	632	6.375	ug/l #	47
20) Methylene Chloride	4.604	84	687	1.320	ug/l #	69
31) Cyclohexane	7.695	56	1238	1.454	ug/l #	52
36) 1,1-Dichloropropene	7.707	75	3655	6.527	ug/l #	49
38) Carbon Tetrachloride	7.707	117	4659	7.235	ug/l #	17
49) 1,4-Dioxane	9.268	88	43	20.056	ug/l #	22
74) N-amyl acetate	12.048	43	785	4.574	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.499	83	149	1.069	ug/l #	26
76) 1,2,3-Trichloropropane	12.407	75	5786	57.241	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.743	105	3004	4.678	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.407	75	5786	130.127	ug/l #	9
83) tert-Butylbenzene	13.236	119	4062	7.091	ug/l	77
84) 1,2,4-Trimethylbenzene	12.901	105	4192	6.575	ug/l	79
86) p-Isopropyltoluene	13.291	119	1650	2.350	ug/l	94
89) n-Butylbenzene	13.584	91	2502	3.859	ug/l #	1
90) Hexachloroethane	13.895	117	1248	8.331	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.273	75	21	1.005	ug/l #	1
95) Naphthalene	15.157	128	267	2.430	ug/l #	69

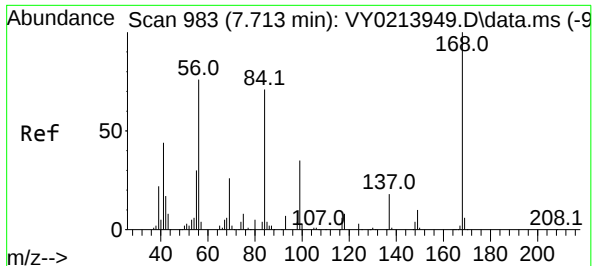
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
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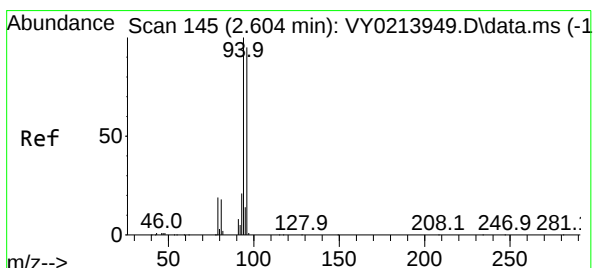
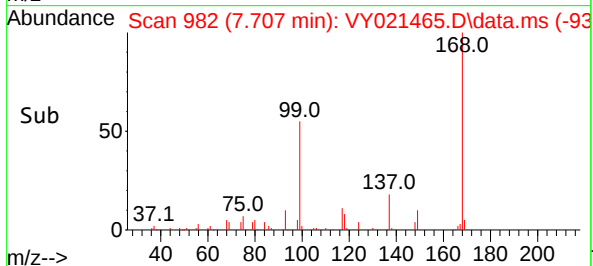
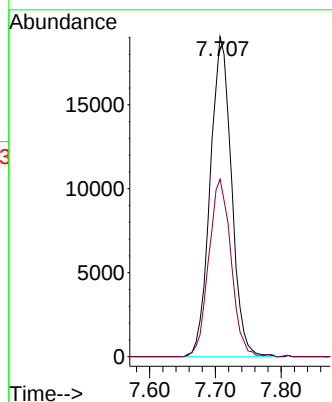
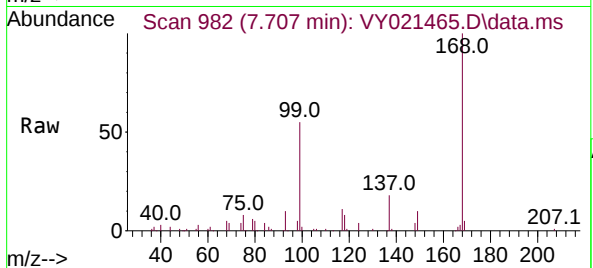




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

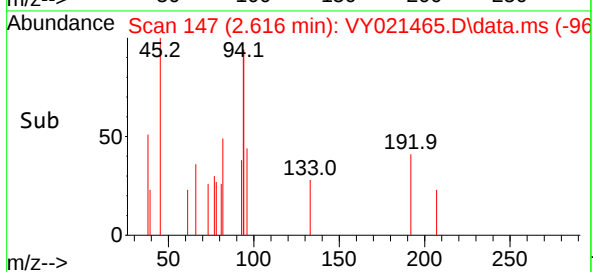
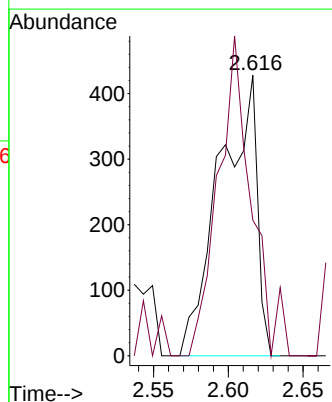
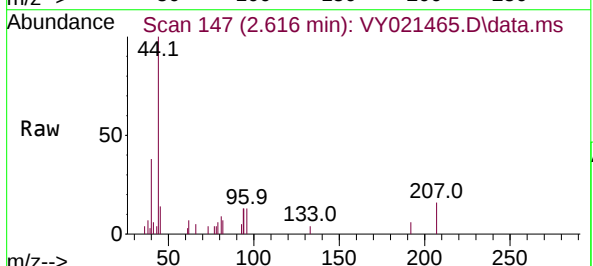
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

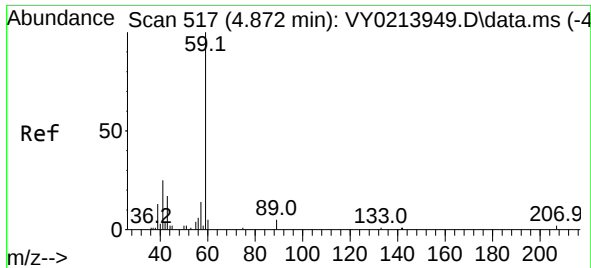
Tgt Ion:168 Resp: 43006
Ion Ratio Lower Upper
168 100
99 55.4 46.0 69.0



#5
Bromomethane
Concen: 1.691 ug/l
RT: 2.616 min Scan# 147
Delta R.T. 0.012 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

Tgt Ion: 94 Resp: 743
Ion Ratio Lower Upper
94 100
96 48.4 76.3 114.5#

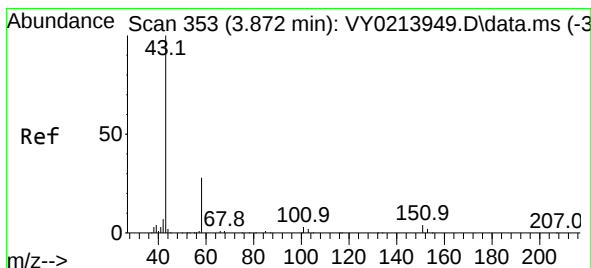
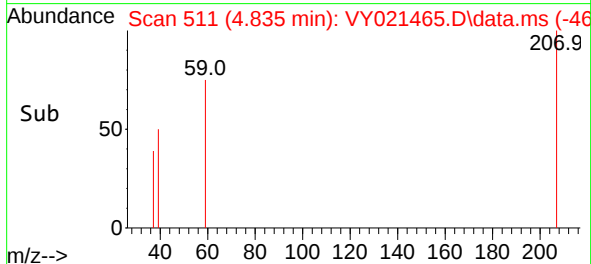
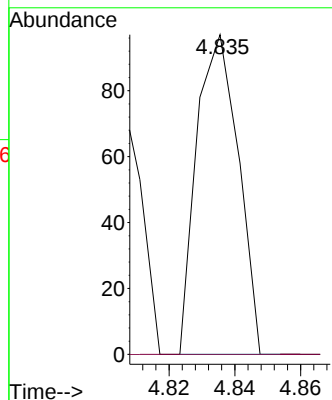
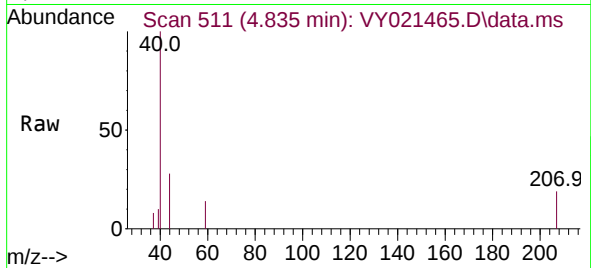




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.835 min Scan# 51
Delta R.T. -0.037 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

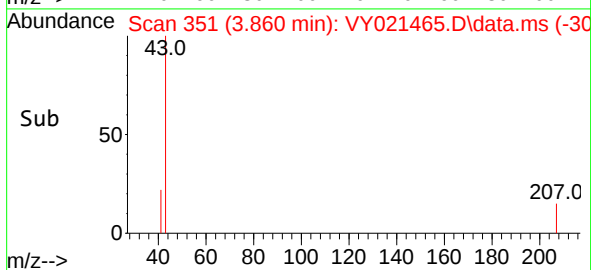
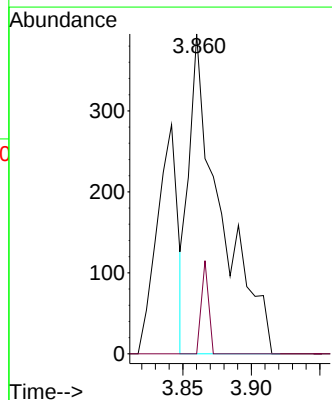
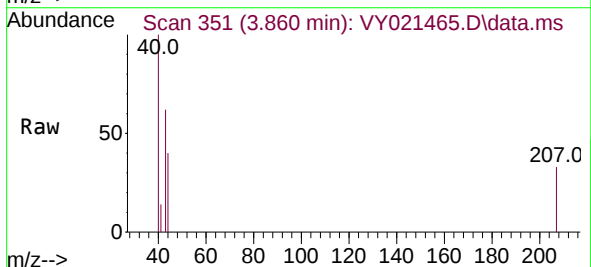
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

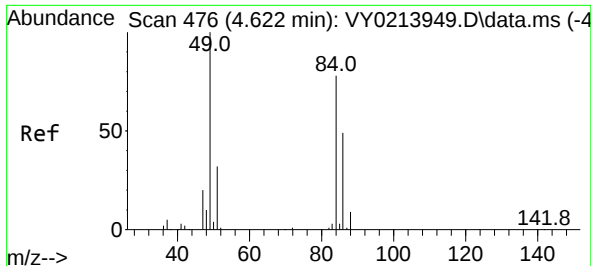
Tgt Ion: 59 Resp: 85
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 6.375 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

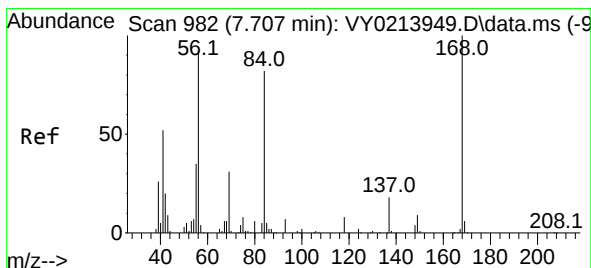
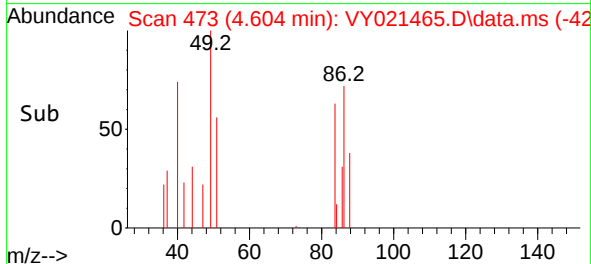
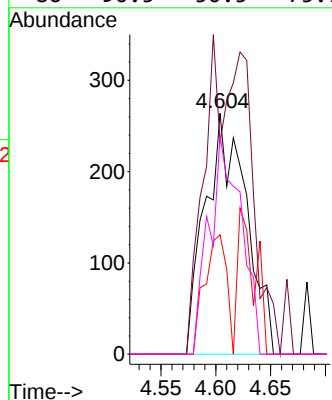
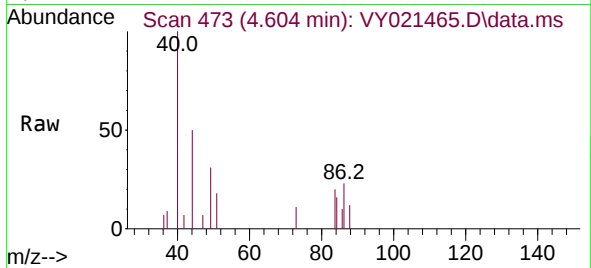




#20
Methylene Chloride
Concen: 1.320 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

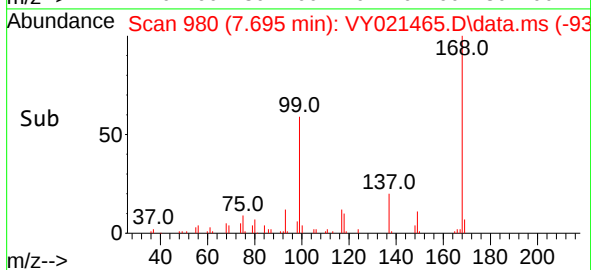
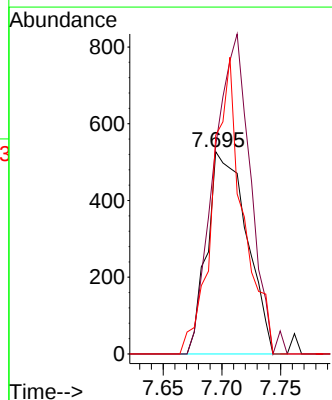
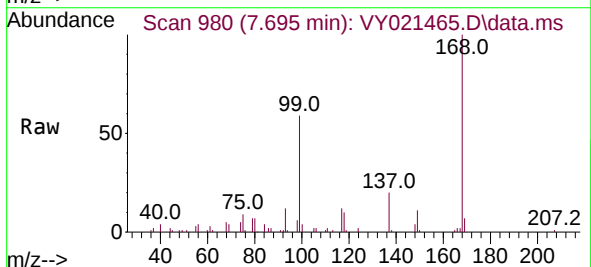
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

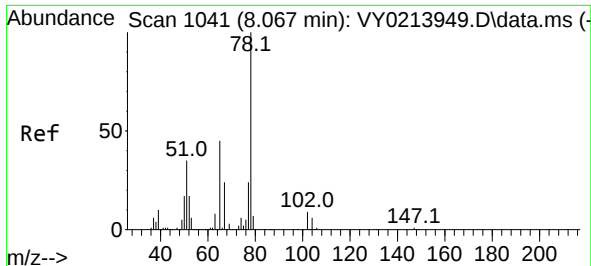
Tgt Ion:	84	Resp:	687
Ion	Ratio	Lower	Upper
84	100		
49	87.9	102.0	153.0#
51	49.6	33.0	49.6#
86	90.5	50.5	75.7#



#31
Cyclohexane
Concen: 1.454 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.012 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

Tgt Ion:	56	Resp:	1238
Ion	Ratio	Lower	Upper
56	100		
69	103.0	27.0	40.4#
84	108.2	71.1	106.7#





#33

1,2-Dichloroethane-d4

Concen: 28.582 ug/l

RT: 8.054 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY021465.D

Acq: 07 Mar 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

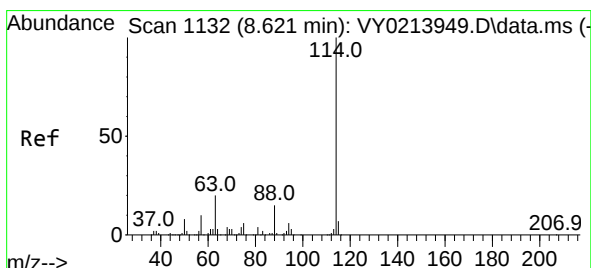
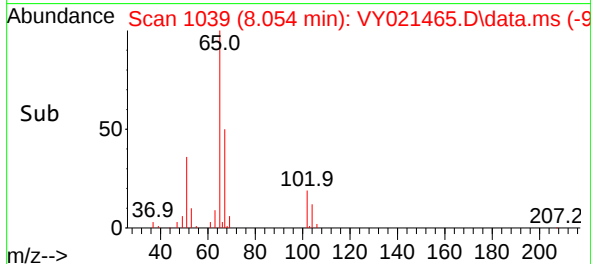
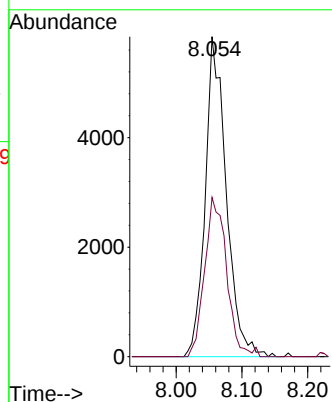
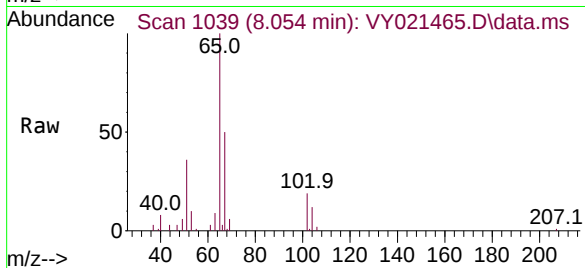
AU-06-030625-E2

Tgt Ion: 65 Resp: 12992

Ion Ratio Lower Upper

65 100

67 52.0 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: VY021465.D

Acq: 07 Mar 2025 16:49

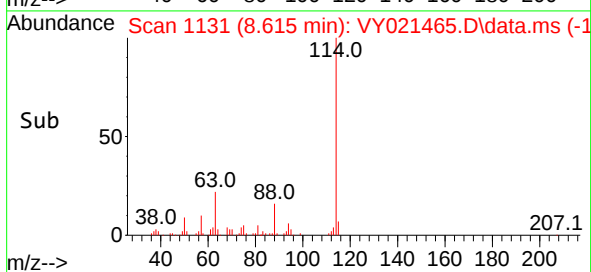
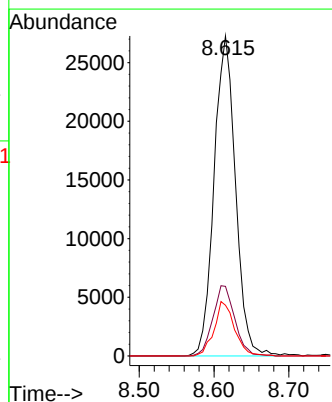
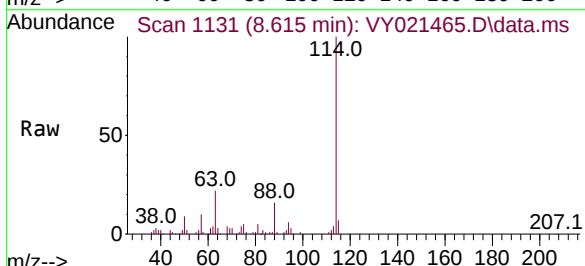
Tgt Ion: 114 Resp: 54423

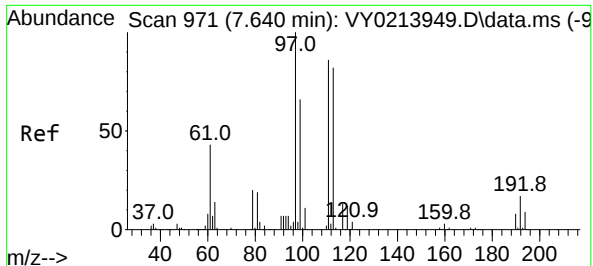
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.8

88 15.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 44.111 ug/l

RT: 7.628 min Scan# 9

Delta R.T. -0.012 min

Lab File: VY021465.D

Acq: 07 Mar 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

AU-06-030625-E2

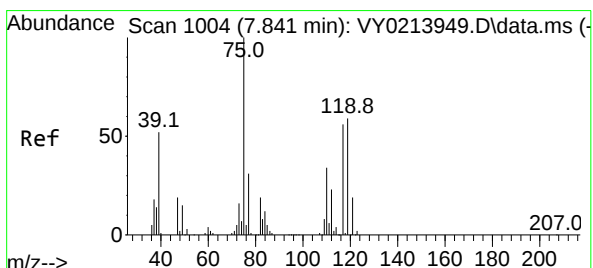
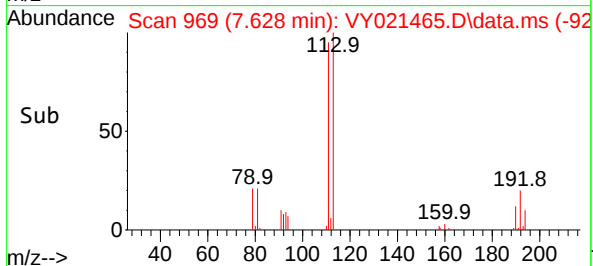
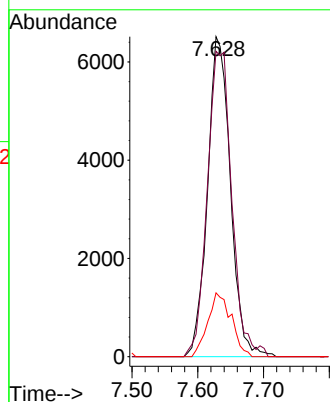
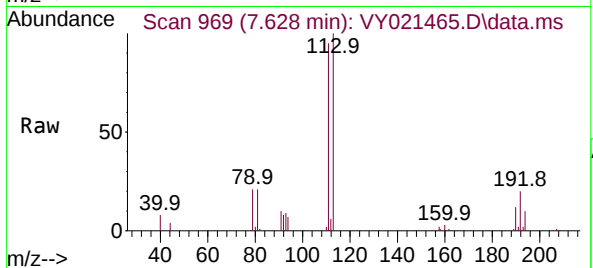
Tgt Ion:113 Resp: 15780

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

192 20.5 15.9 23.9



#36

1,1-Dichloropropene

Concen: 6.527 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021465.D

Acq: 07 Mar 2025 16:49

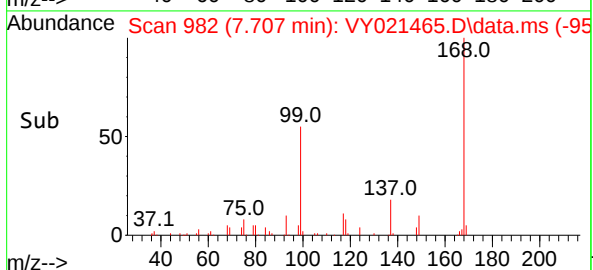
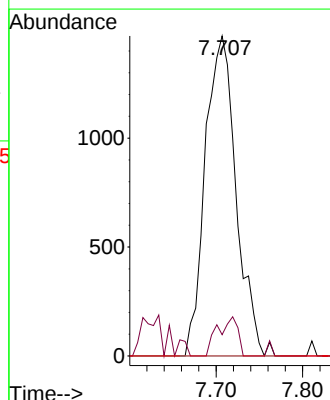
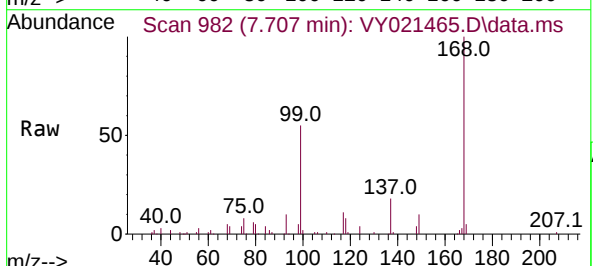
Tgt Ion: 75 Resp: 3655

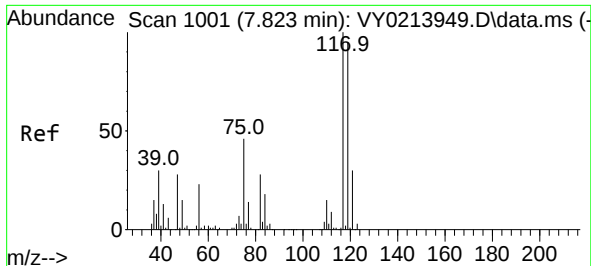
Ion Ratio Lower Upper

75 100

110 7.9 17.3 51.7#

77 0.0 25.4 38.2#

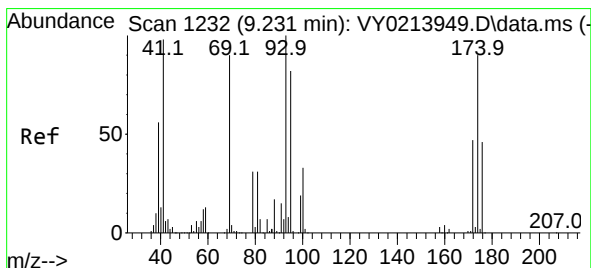
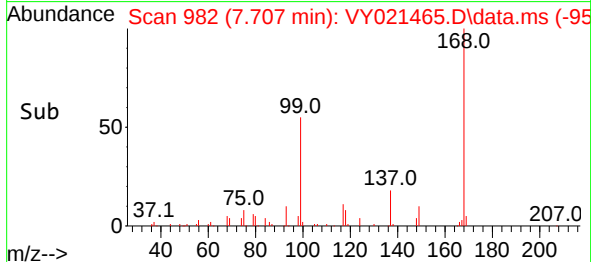
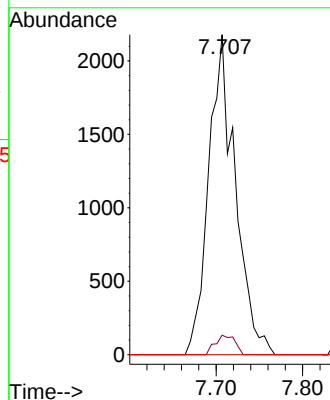
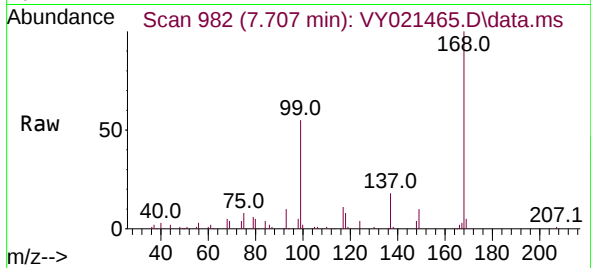




#38
Carbon Tetrachloride
Concen: 7.235 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

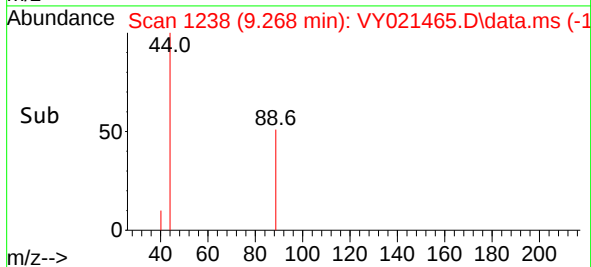
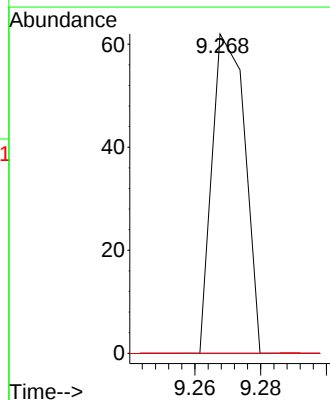
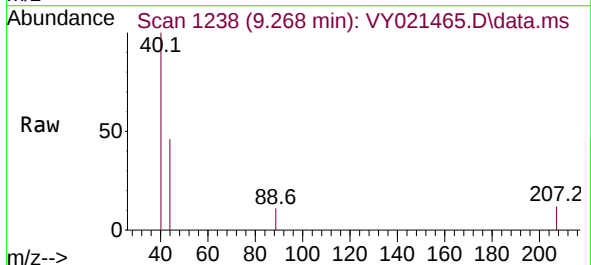
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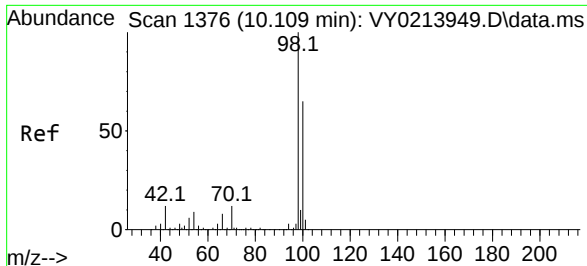
Tgt Ion:117 Resp: 4659
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 20.056 ug/l
RT: 9.268 min Scan# 1238
Delta R.T. 0.037 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

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

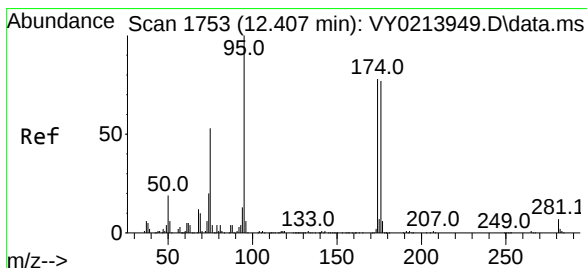
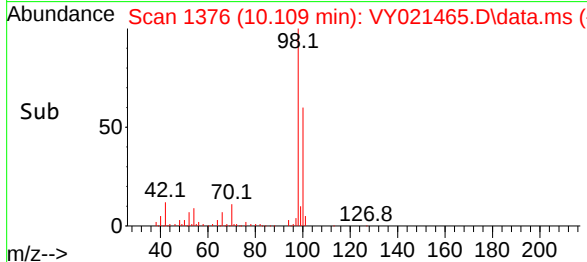
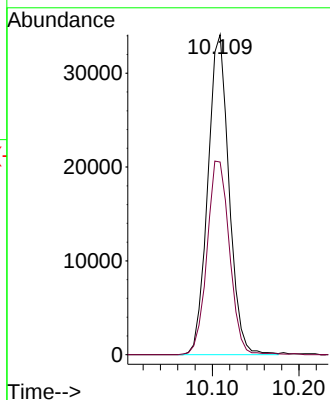
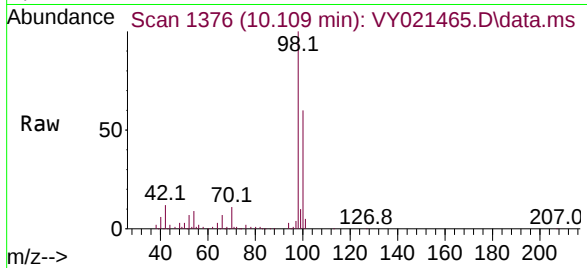




#50
Toluene-d8
Concen: 42.772 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

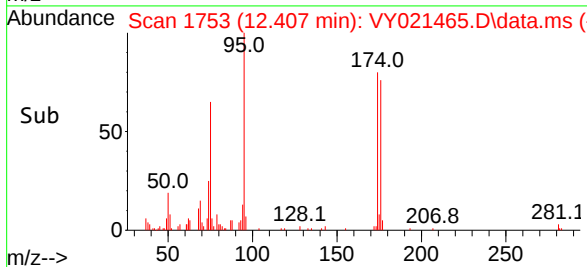
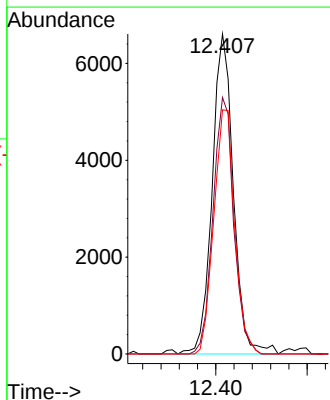
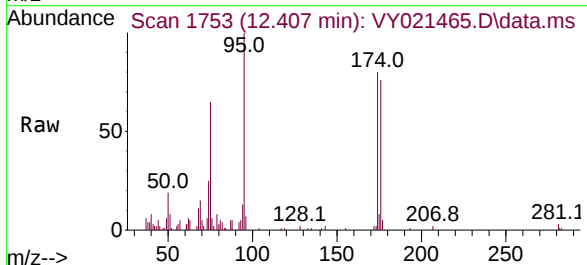
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

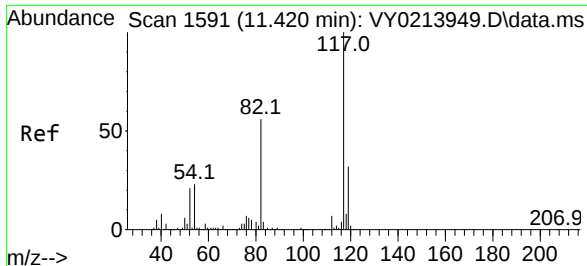
Tgt Ion: 98 Resp: 57934
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 23.059 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

Tgt Ion: 95 Resp: 10624
Ion Ratio Lower Upper
95 100
174 78.4 0.0 165.0
176 75.6 0.0 160.0

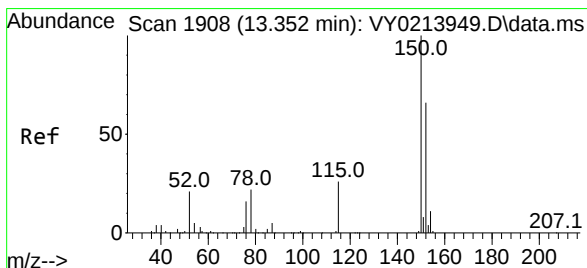
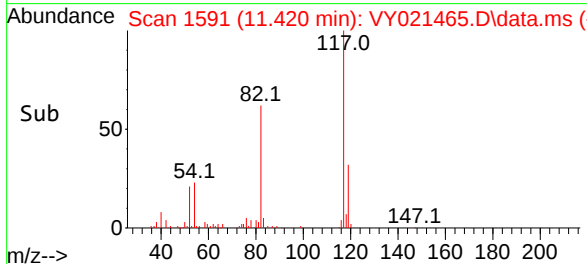
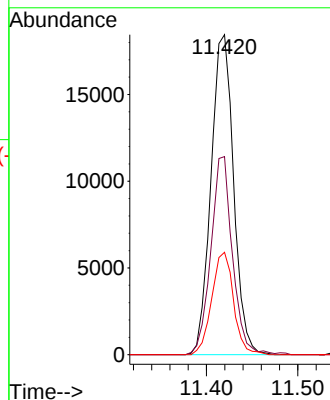
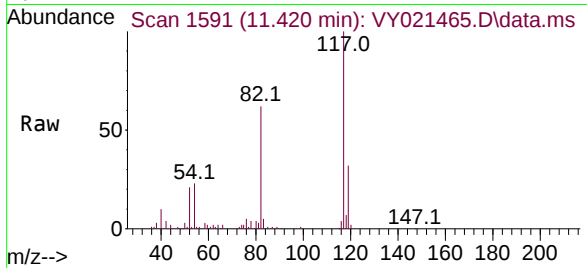




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

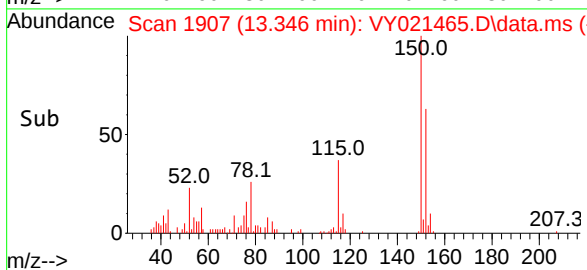
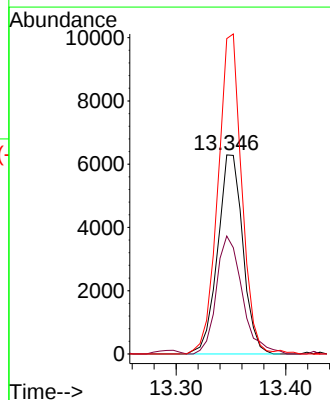
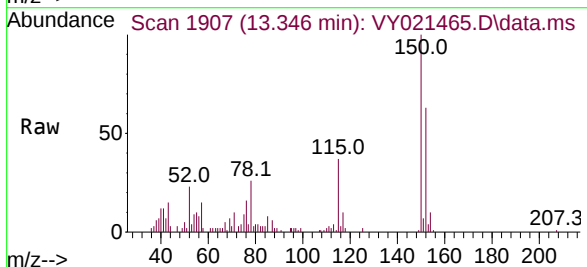
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

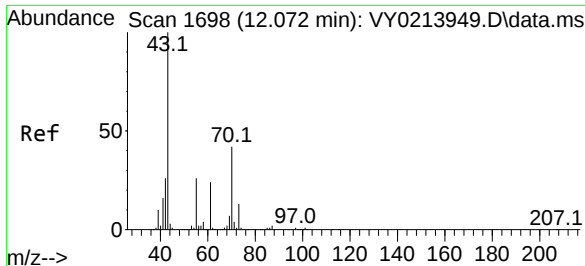
Tgt Ion:	117	Resp:	31680
Ion	Ratio	Lower	Upper
117	100		
82	61.9	44.6	67.0
119	32.0	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

Tgt Ion:	152	Resp:	10031
Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.0	87.0
150	152.6	0.0	347.2

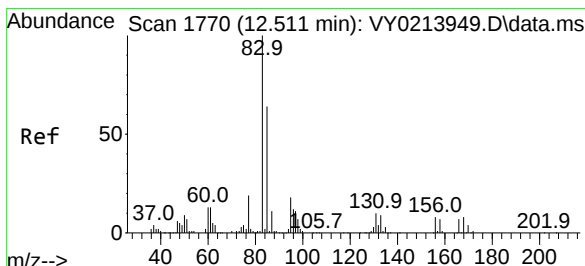
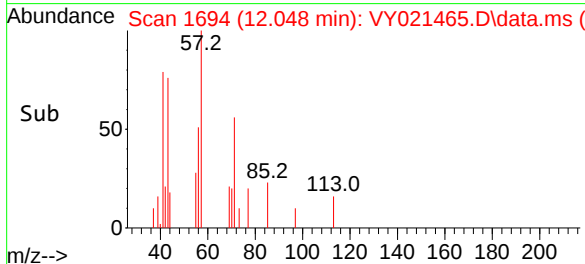
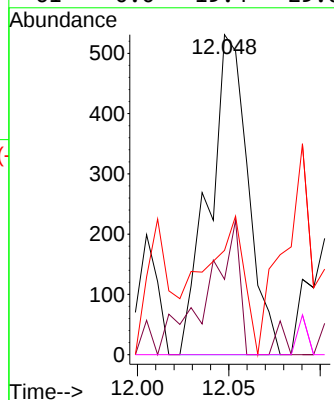
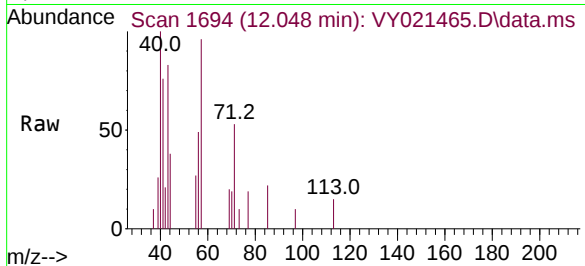




#74
N-amy1 acetate
Concen: 4.574 ug/l
RT: 12.048 min Scan# 1768
Delta R.T. -0.024 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

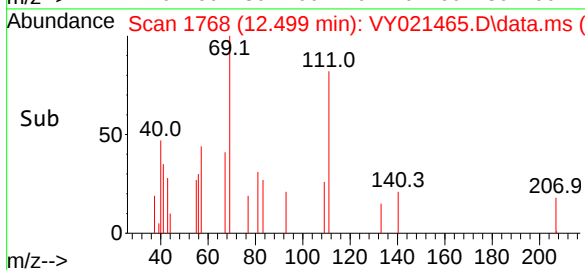
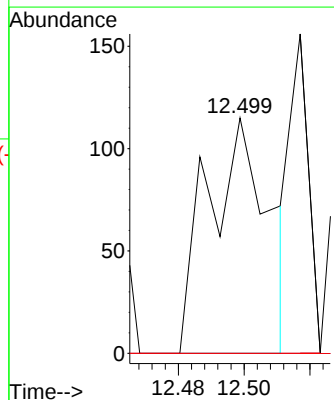
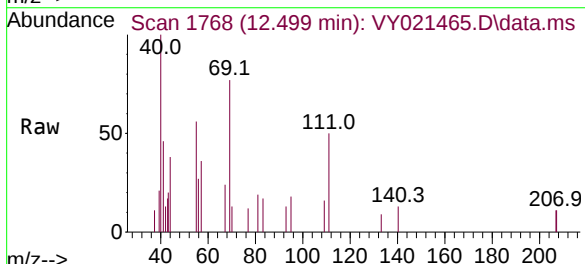
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

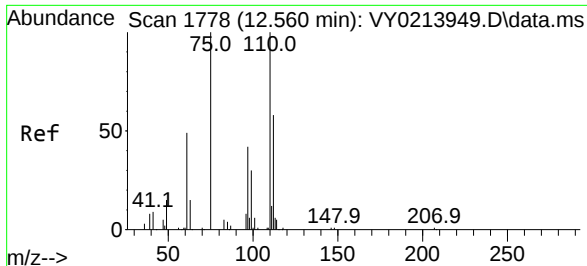
Tgt Ion:	43	Resp:	785
Ion	Ratio	Lower	Upper
43	100		
70	37.7	34.6	51.8
55	43.9	21.1	31.7#
61	0.0	19.4	29.0#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.069 ug/l
RT: 12.499 min Scan# 1768
Delta R.T. -0.012 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

Tgt Ion:	83	Resp:	149
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	16.1#
85	0.0	31.9	95.5#

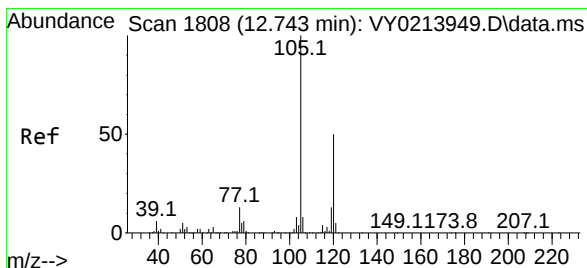
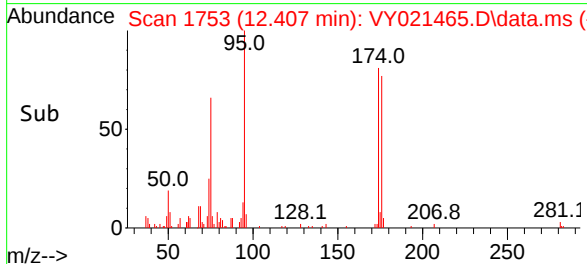
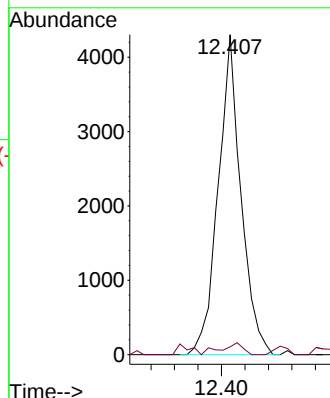
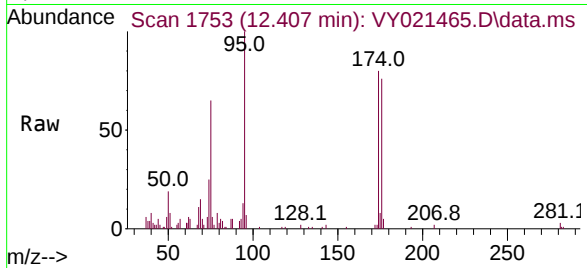




#76
1,2,3-Trichloropropane
Concen: 57.241 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

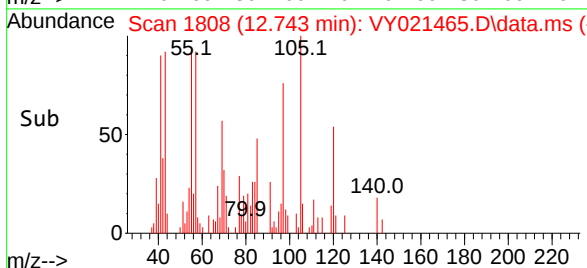
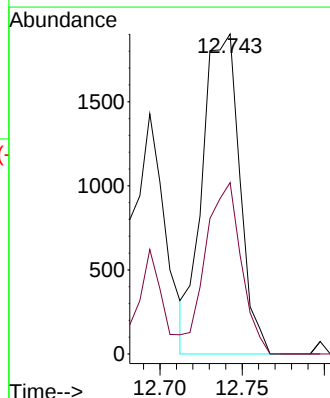
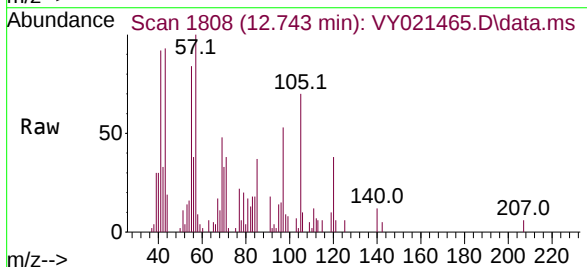
Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

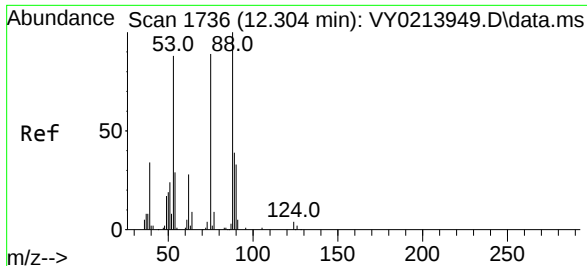
Tgt Ion: 75 Resp: 5786
Ion Ratio Lower Upper
75 100
77 3.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 4.678 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

Tgt Ion: 105 Resp: 3004
Ion Ratio Lower Upper
105 100
120 51.2 24.6 73.6

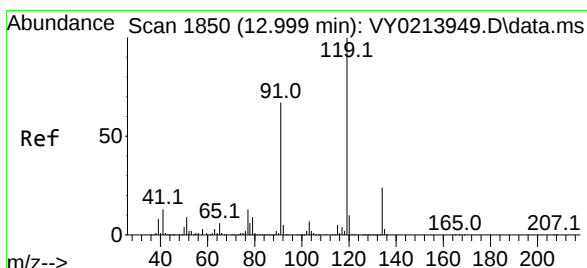
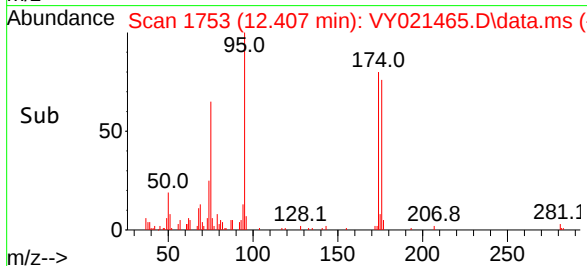
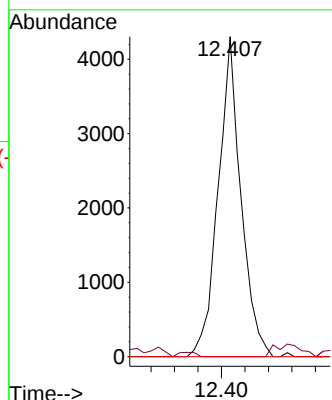
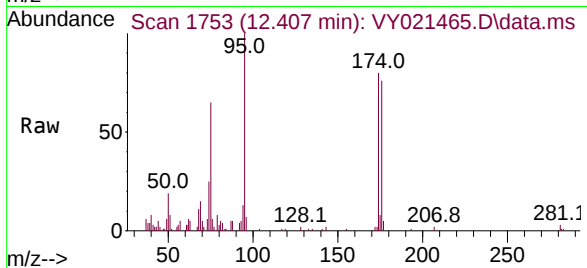




#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.127 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021465.D
 Acq: 07 Mar 2025 16:49

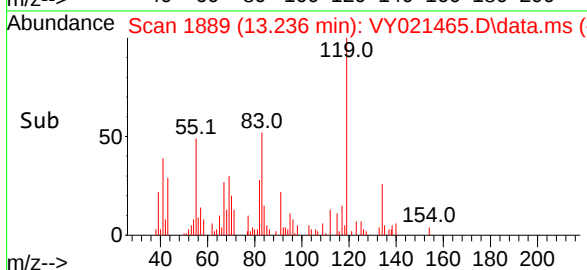
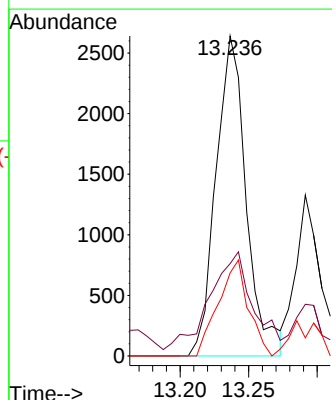
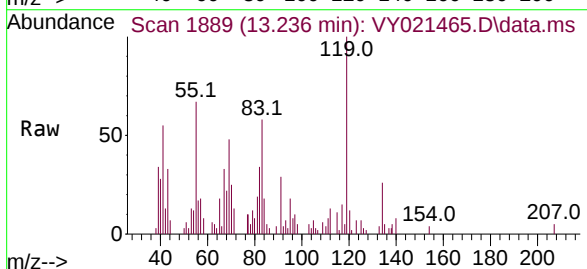
Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-06-030625-E2

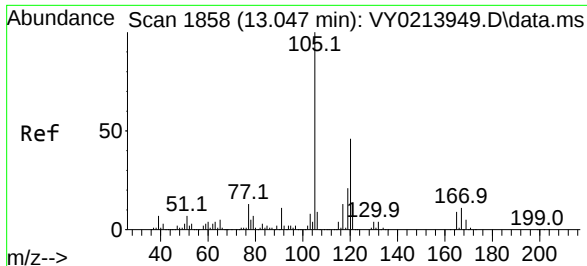
Tgt Ion: 75 Resp: 5786
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.4#
 89 0.0 36.9 55.3#



#83
 tert-Butylbenzene
 Concen: 7.091 ug/l
 RT: 13.236 min Scan# 1889
 Delta R.T. 0.238 min
 Lab File: VY021465.D
 Acq: 07 Mar 2025 16:49

Tgt Ion: 119 Resp: 4062
 Ion Ratio Lower Upper
 119 100
 91 42.6 33.2 99.6
 134 29.7 13.5 40.5





#84

1,2,4-Trimethylbenzene

Concen: 6.575 ug/l

RT: 12.901 min Scan# 1834

Delta R.T. -0.146 min

Lab File: VY021465.D

Acq: 07 Mar 2025 16:49

Instrument :

MSVOA_Y

ClientSampleId :

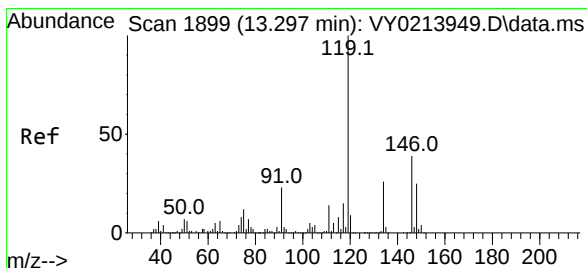
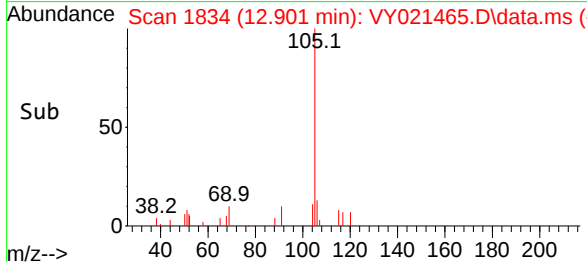
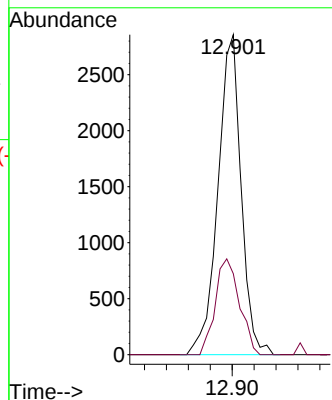
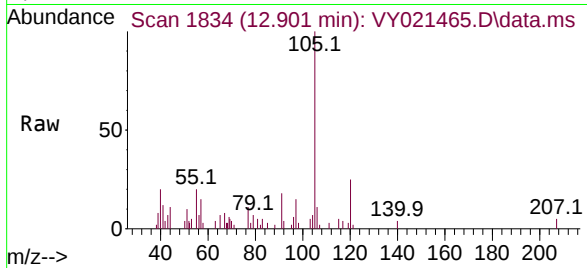
AU-06-030625-E2

Tgt Ion:105 Resp: 4192

Ion Ratio Lower Upper

105 100

120 31.3 22.7 68.1



#86

p-Isopropyltoluene

Concen: 2.350 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. -0.006 min

Lab File: VY021465.D

Acq: 07 Mar 2025 16:49

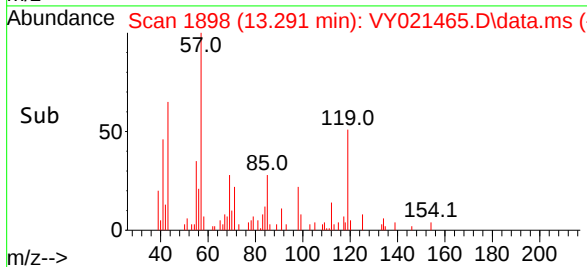
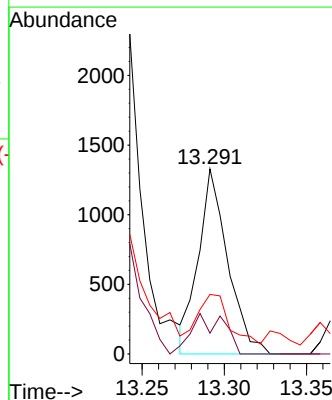
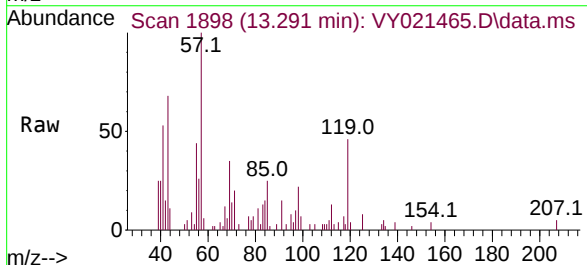
Tgt Ion:119 Resp: 1650

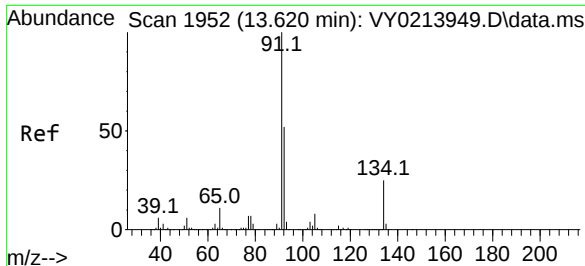
Ion Ratio Lower Upper

119 100

134 24.1 13.1 39.1

91 28.2 12.2 36.6





#89

n-Butylbenzene

Concen: 3.859 ug/l

RT: 13.584 min Scan# 1952

Delta R.T. -0.037 min

Lab File: VY021465.D

Acq: 07 Mar 2025 16:49

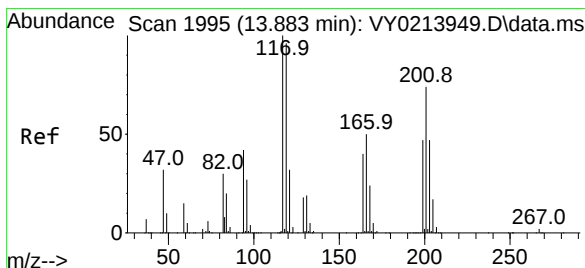
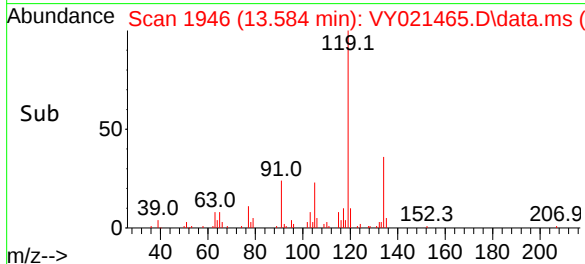
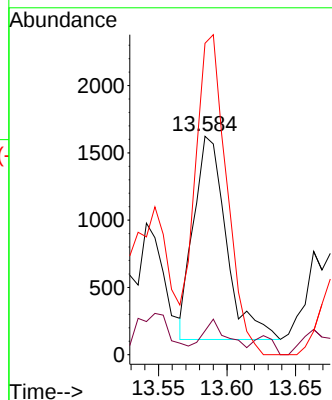
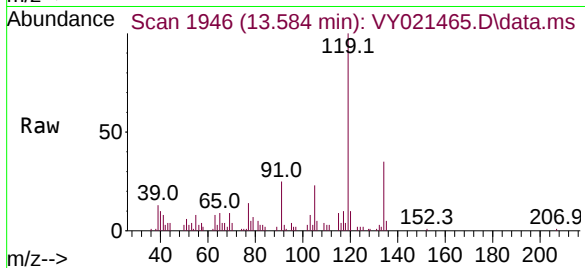
Instrument :

MSVOA_Y

ClientSampleId :

AU-06-030625-E2

Tgt Ion:	91	Resp:	2502
Ion	Ratio	Lower	Upper
91	100		
92	14.0	26.1	78.3#
134	150.9	12.6	37.8#



#90

Hexachloroethane

Concen: 8.331 ug/l

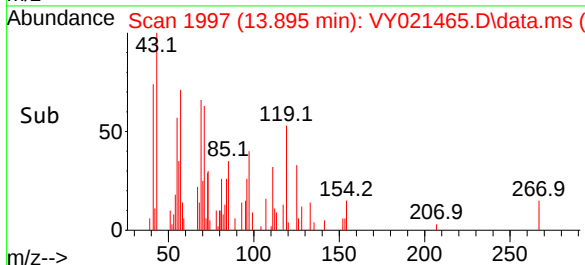
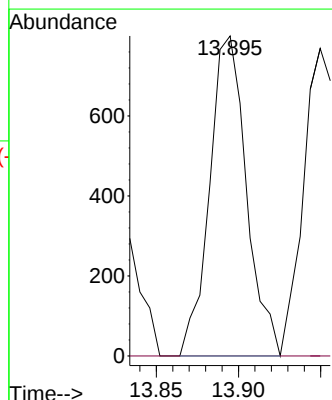
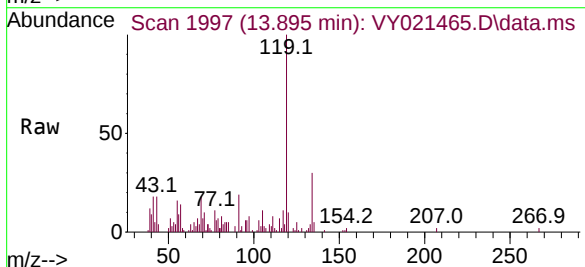
RT: 13.895 min Scan# 1997

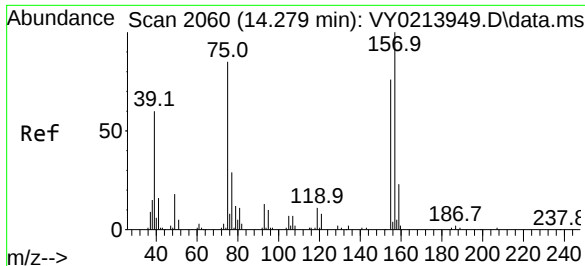
Delta R.T. 0.012 min

Lab File: VY021465.D

Acq: 07 Mar 2025 16:49

Tgt Ion:	117	Resp:	1248
Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.4	112.2#

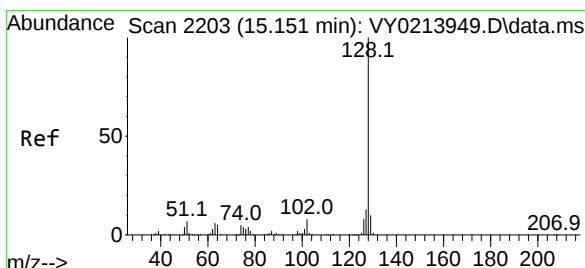
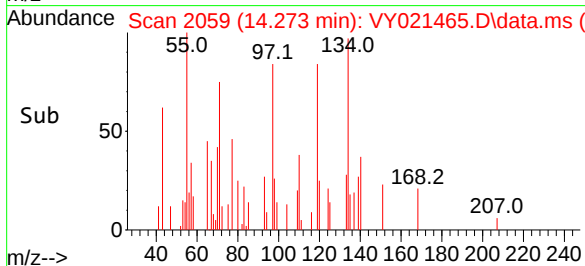
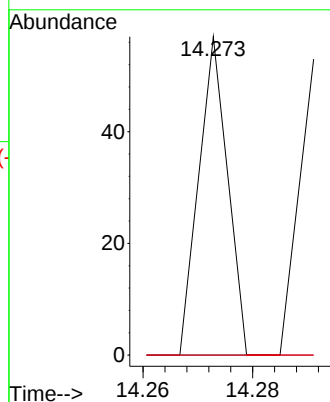
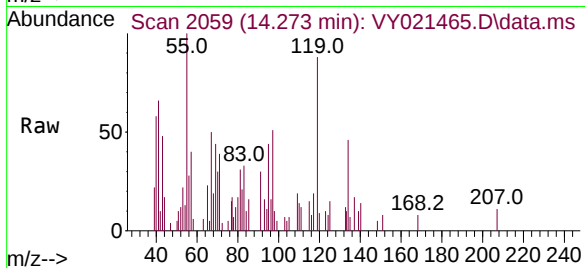




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.005 ug/l
RT: 14.273 min Scan# 2060
Delta R.T. -0.006 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

Instrument :
MSVOA_Y
ClientSampleId :
AU-06-030625-E2

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
155 0.0 43.5 130.5#
157 0.0 54.4 163.2#



#95
Naphthalene
Concen: 2.430 ug/l
RT: 15.157 min Scan# 2204
Delta R.T. 0.006 min
Lab File: VY021465.D
Acq: 07 Mar 2025 16:49

Tgt Ion: 128 Resp: 267
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

