

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021445.D
 Acq On : 06 Mar 2025 19:20
 Operator : SY/MD
 Sample : Q1463-07
 Misc : 6.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T7

Quant Time: Mar 07 00:42:42 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	227977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	432286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	378072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143977	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145770	60.496	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.000%
35) Dibromofluoromethane	7.634	113	146121	51.424	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.840%
50) Toluene-d8	10.109	98	470875	43.767	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.540%
62) 4-Bromofluorobenzene	12.408	95	156881	42.867	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.740%

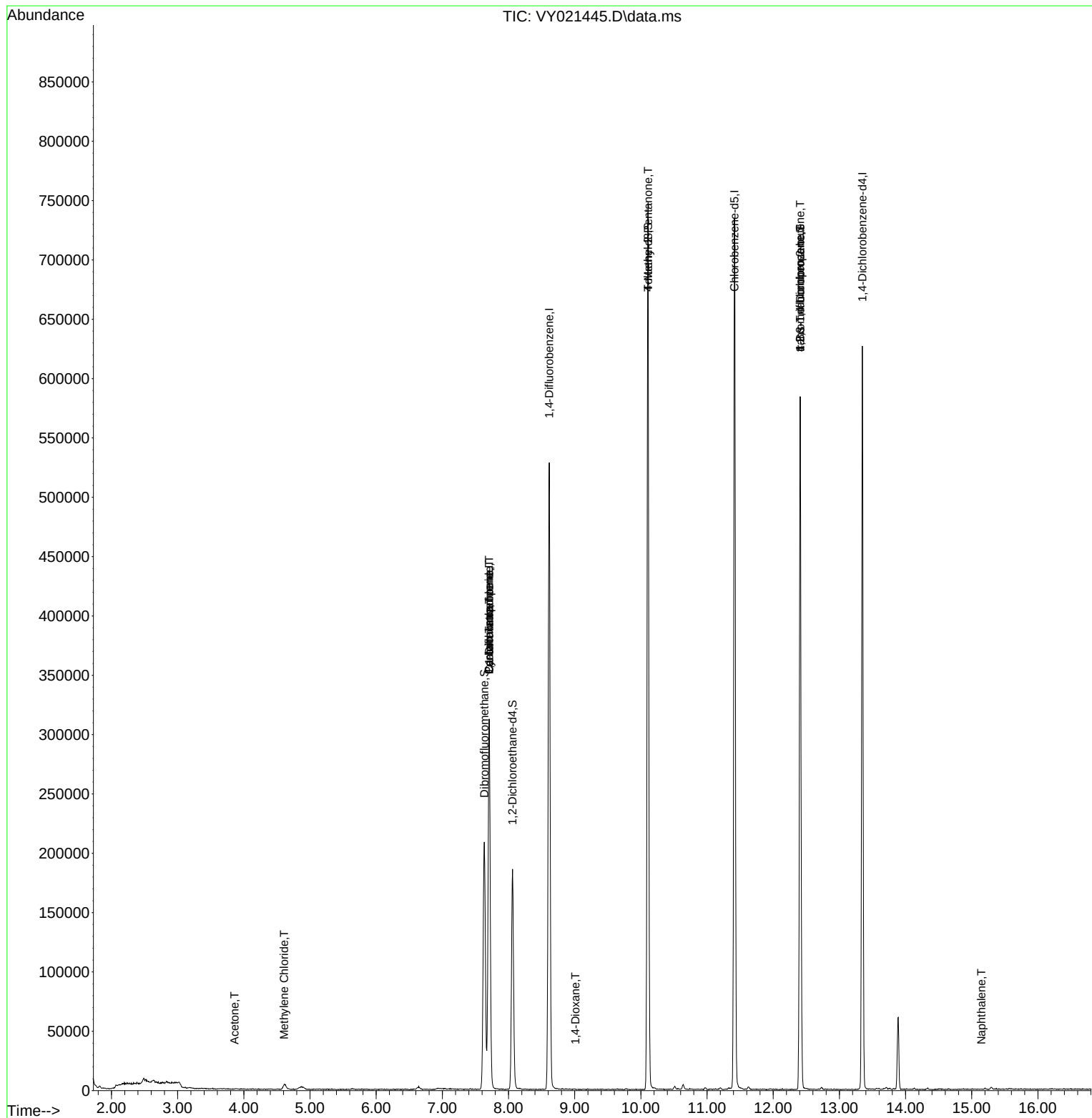
Target Compounds					Qvalue	
16) Acetone	3.860	43	889	1.692	ug/l #	79
20) Methylene Chloride	4.610	84	2836	1.028	ug/l	86
31) Cyclohexane	7.707	56	5379	1.192	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	19737	4.437	ug/l #	51
38) Carbon Tetrachloride	7.707	117	24103	4.712	ug/l #	18
49) 1,4-Dioxane	9.012	88	28	1.644	ug/l #	22
51) 4-Methyl-2-Pentanone	10.109	43	2542	1.291	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	88044	60.685	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	88044	137.956	ug/l #	10
95) Naphthalene	15.145	128	64	1.465	ug/l #	69

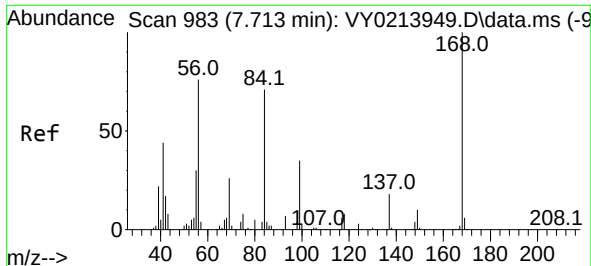
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

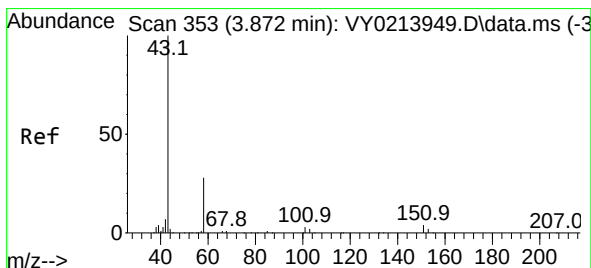
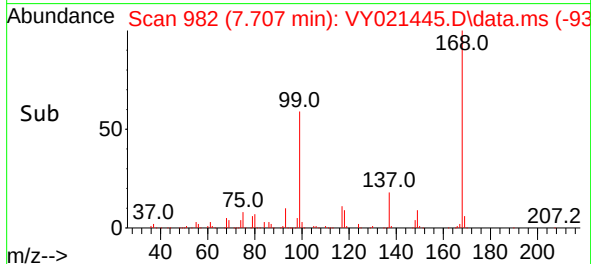
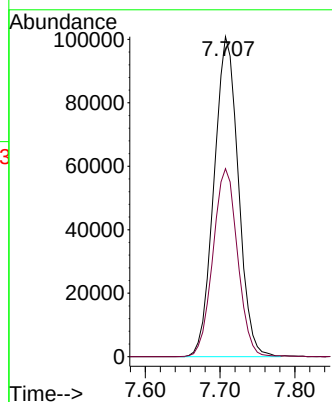
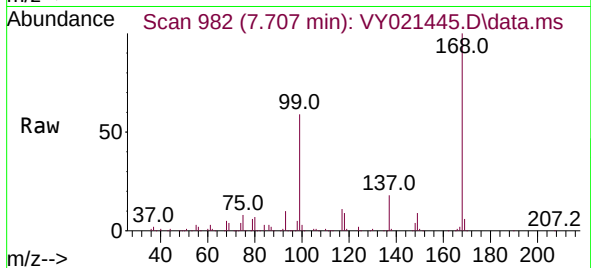




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

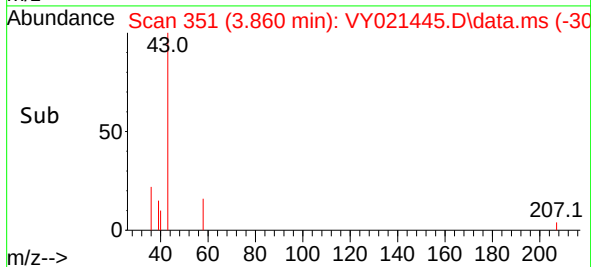
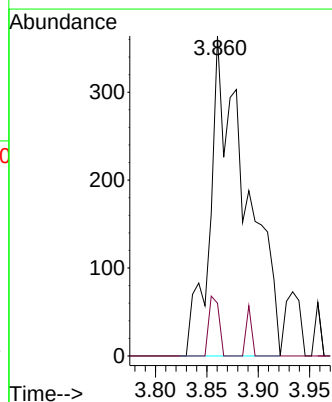
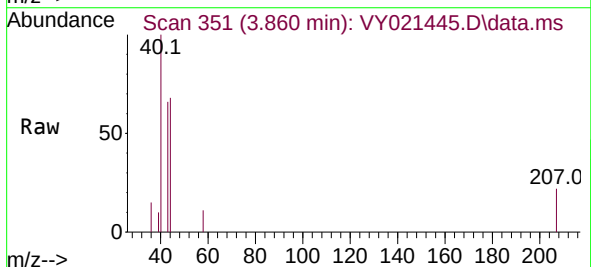
Instrument :
MSVOA_Y
ClientSampleId :
T7

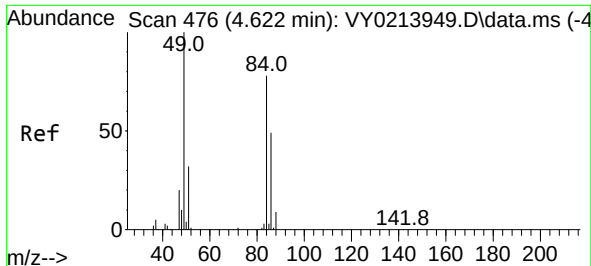
Tgt Ion:168 Resp: 227977
Ion Ratio Lower Upper
168 100
99 58.7 46.0 69.0



#16
Acetone
Concen: 1.692 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
58 16.5 22.1 33.1#

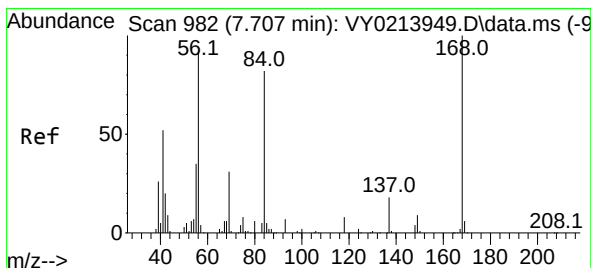
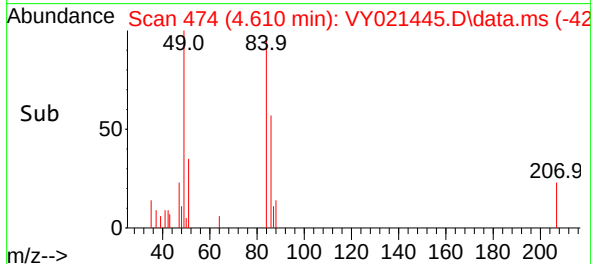
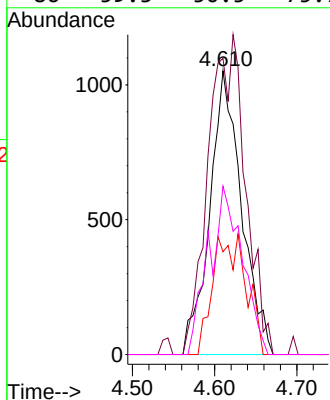
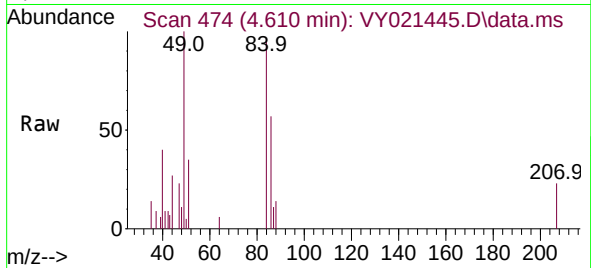




#20
Methylene Chloride
Concen: 1.028 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

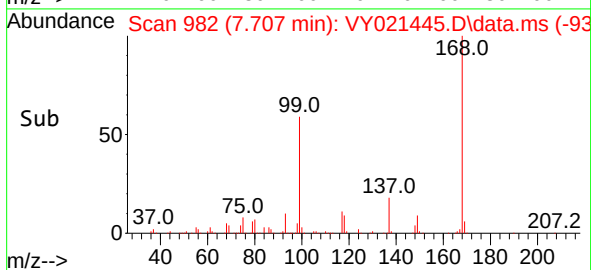
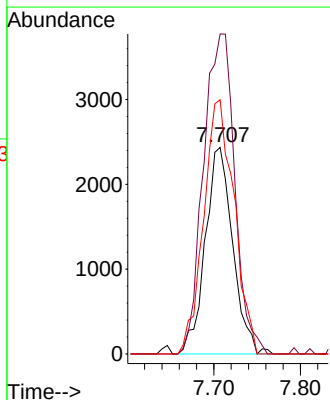
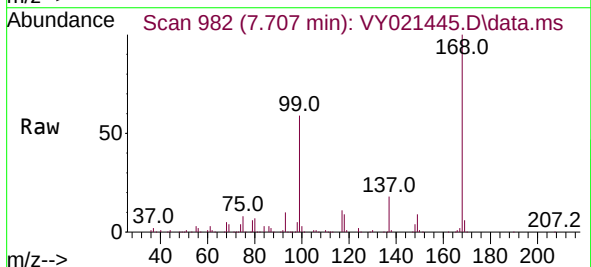
Instrument :
MSVOA_Y
ClientSampleId :
T7

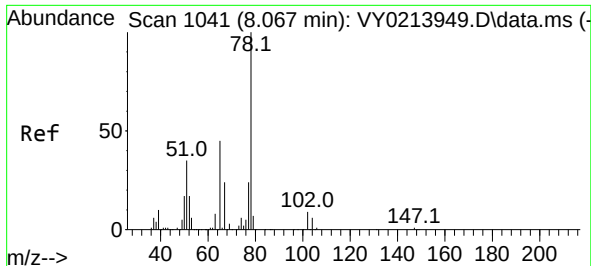
Tgt Ion:	84	Resp:	2836
Ion	Ratio	Lower	Upper
84	100		
49	104.4	102.0	153.0
51	36.2	33.0	49.6
86	59.3	50.5	75.7



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

Tgt Ion:	56	Resp:	5379
Ion	Ratio	Lower	Upper
56	100		
69	154.9	27.0	40.4#
84	123.1	71.1	106.7#





#33

1,2-Dichloroethane-d4

Concen: 60.496 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021445.D

Acq: 06 Mar 2025 19:20

Instrument :

MSVOA_Y

ClientSampleId :

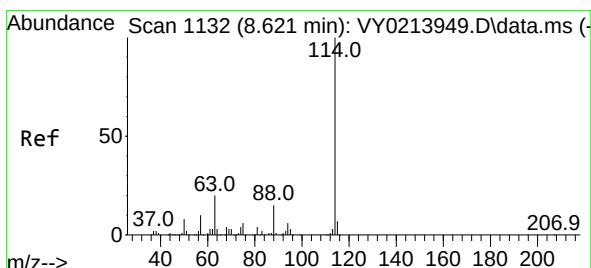
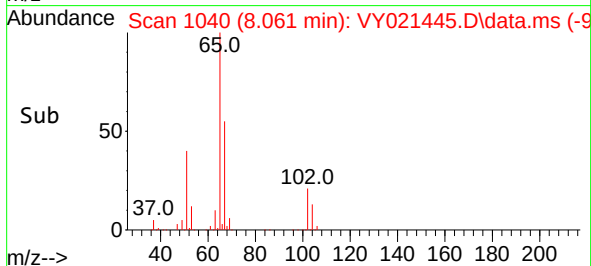
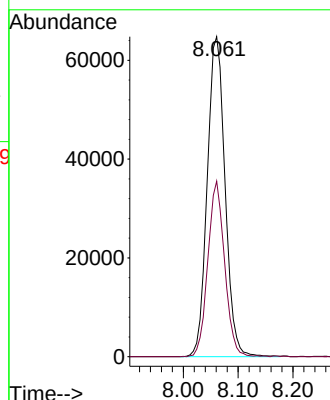
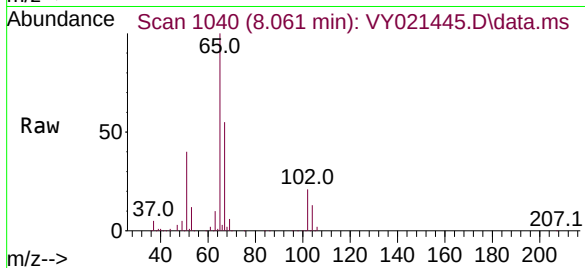
T7

Tgt Ion: 65 Resp: 145770

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021445.D

Acq: 06 Mar 2025 19:20

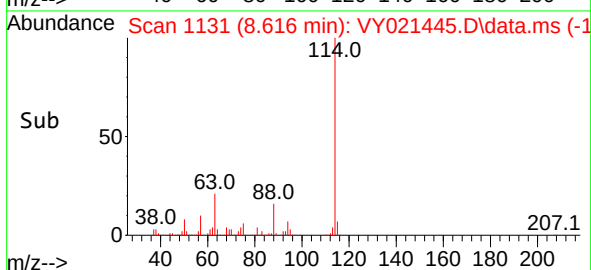
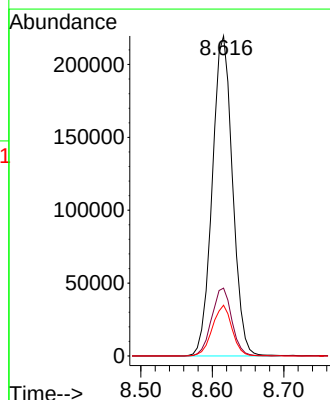
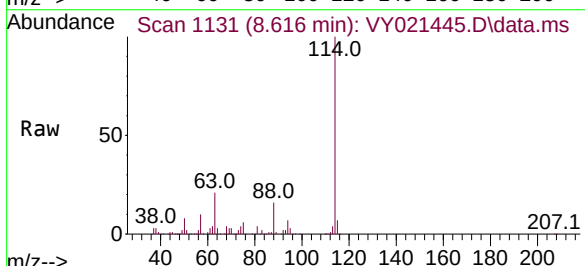
Tgt Ion: 114 Resp: 432286

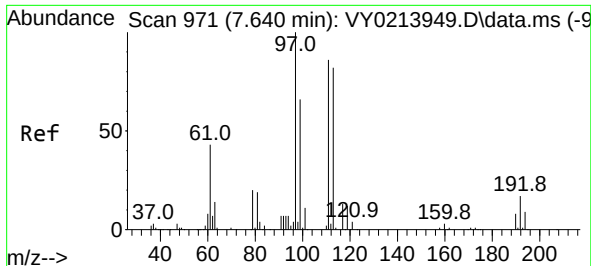
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 15.9 0.0 30.8

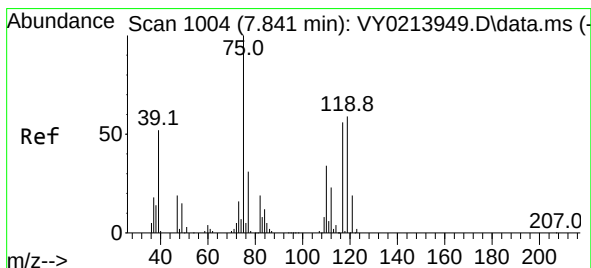
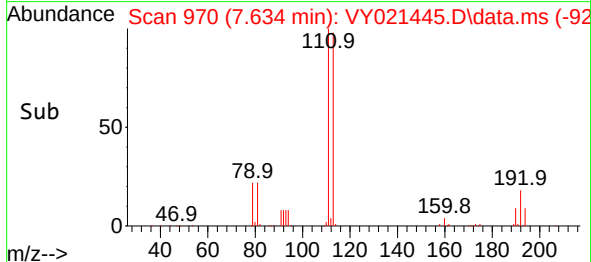
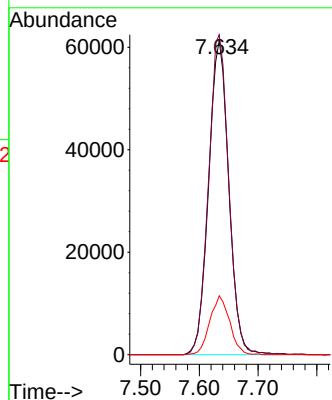
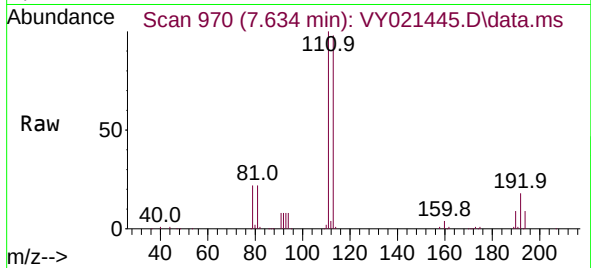




#35
Dibromofluoromethane
Concen: 51.424 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

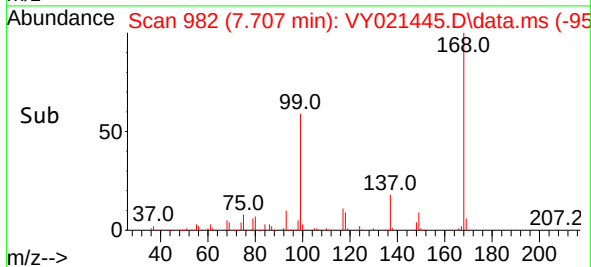
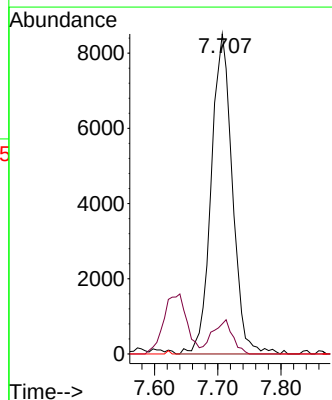
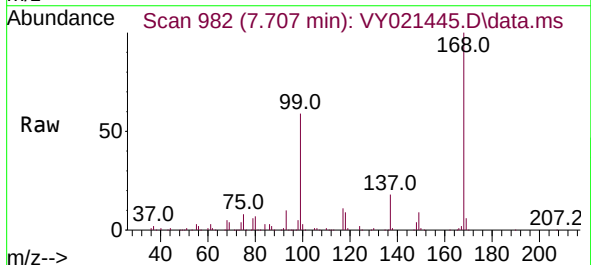
Instrument :
MSVOA_Y
ClientSampleId :
T7

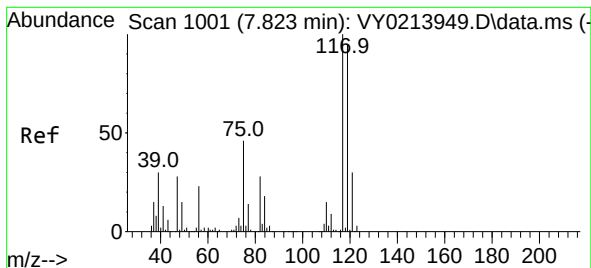
Tgt Ion:113 Resp: 146121
Ion Ratio Lower Upper
113 100
111 102.3 82.0 123.0
192 18.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.437 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

Tgt Ion: 75 Resp: 19737
Ion Ratio Lower Upper
75 100
110 10.2 17.3 51.7#
77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 4.712 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021445.D

Acq: 06 Mar 2025 19:20

Instrument :

MSVOA_Y

ClientSampleId :

T7

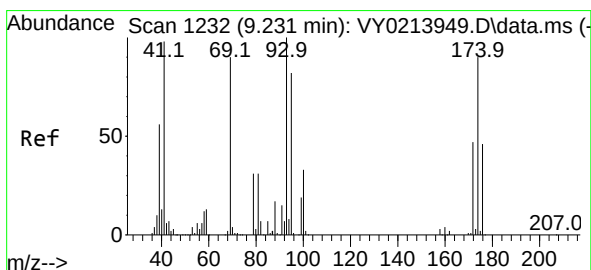
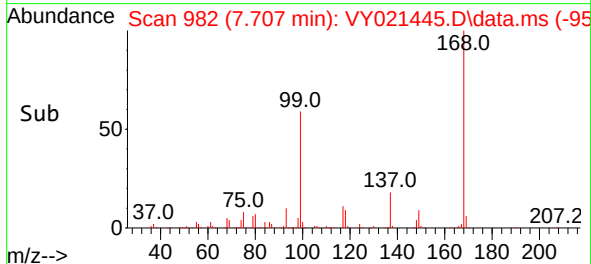
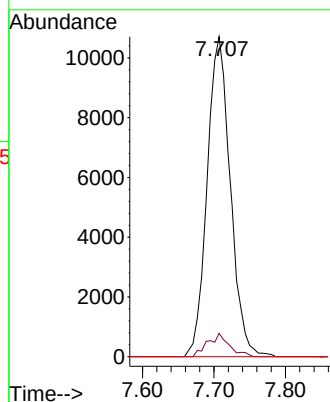
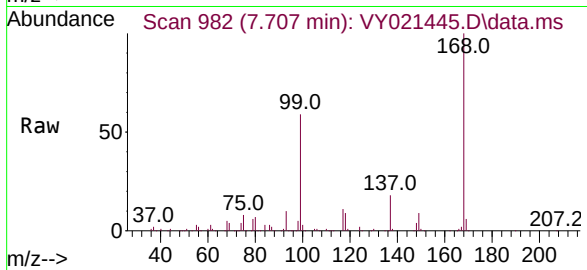
Tgt Ion:117 Resp: 24103

Ion Ratio Lower Upper

117 100

119 7.3 75.8 113.8#

121 0.0 23.9 35.9#



#49

1,4-Dioxane

Concen: 1.644 ug/l

RT: 9.012 min Scan# 1196

Delta R.T. -0.219 min

Lab File: VY021445.D

Acq: 06 Mar 2025 19:20

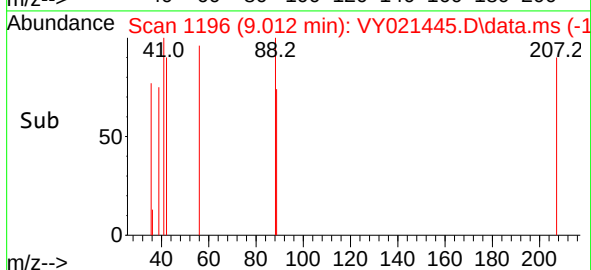
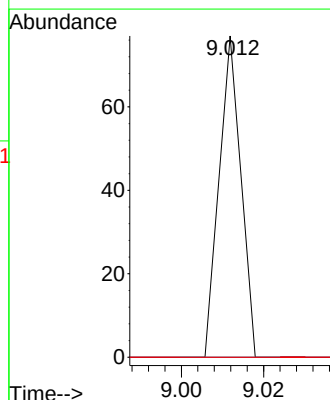
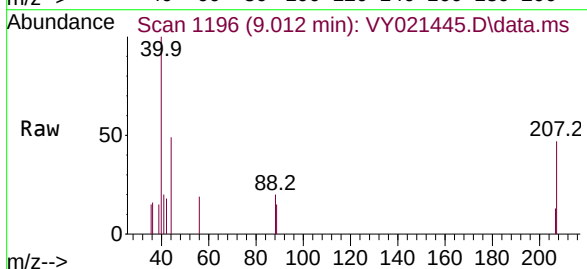
Tgt Ion: 88 Resp: 28

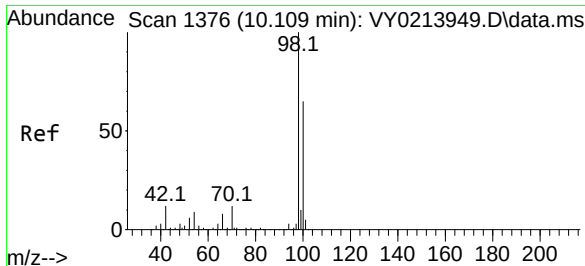
Ion Ratio Lower Upper

88 100

43 0.0 25.0 37.4#

58 0.0 58.4 87.6#

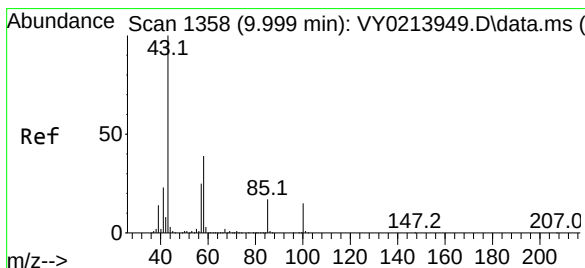
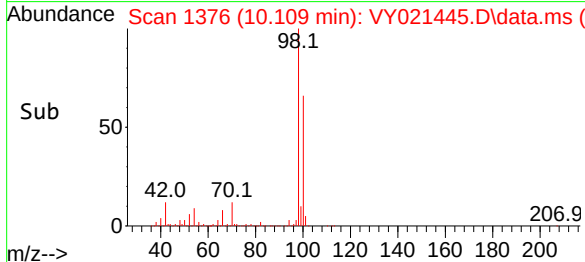
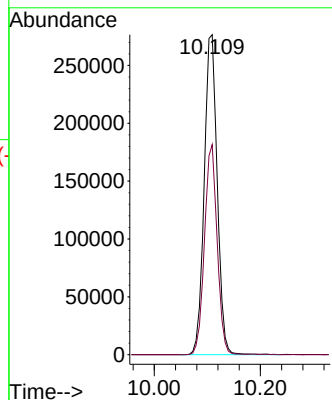
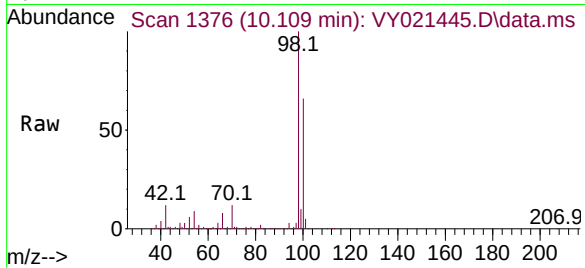




#50
Toluene-d8
Concen: 43.767 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

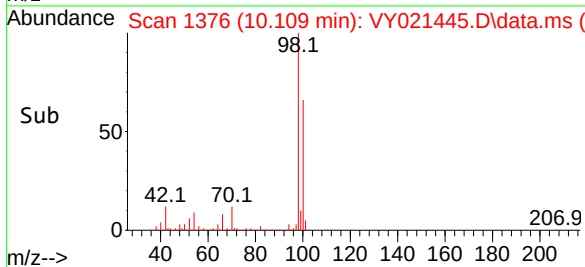
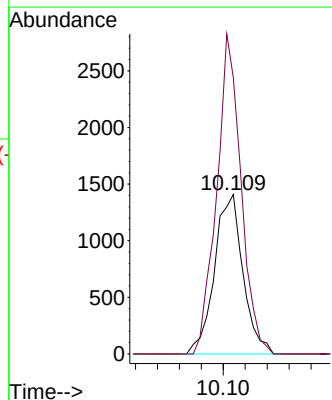
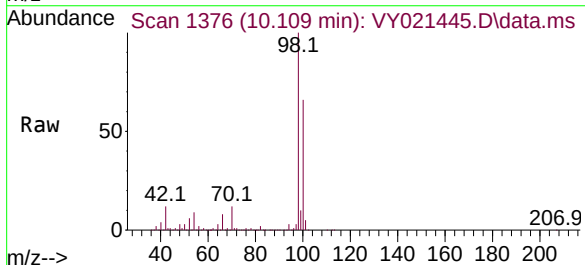
Instrument :
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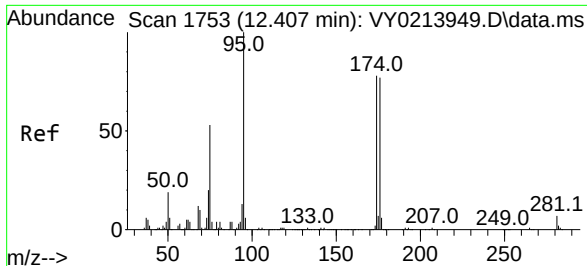
Tgt Ion: 98 Resp: 470875
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.291 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

Tgt Ion: 43 Resp: 2542
Ion Ratio Lower Upper
43 100
58 171.7 31.4 47.2#

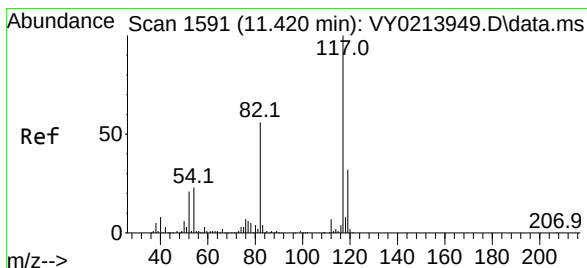
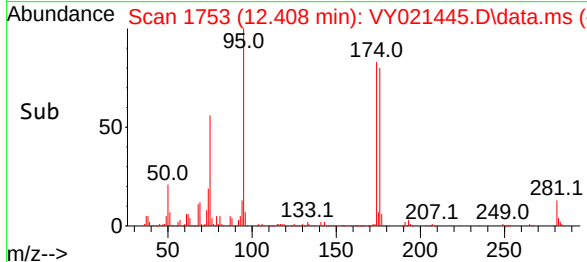
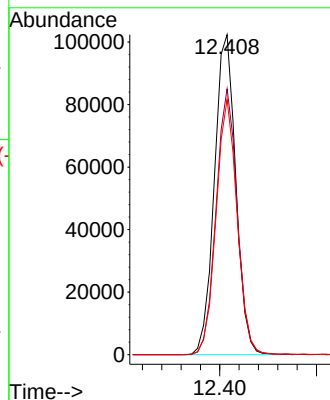
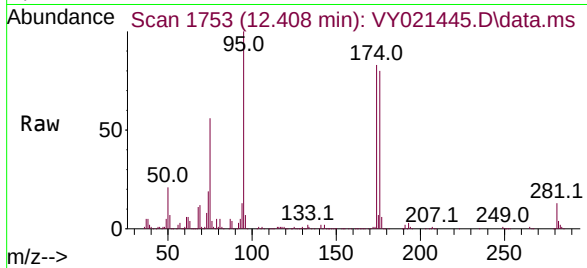




#62
4-Bromofluorobenzene
Concen: 42.867 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

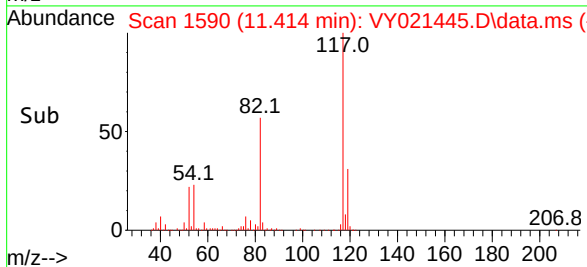
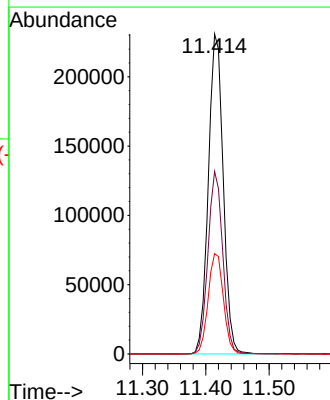
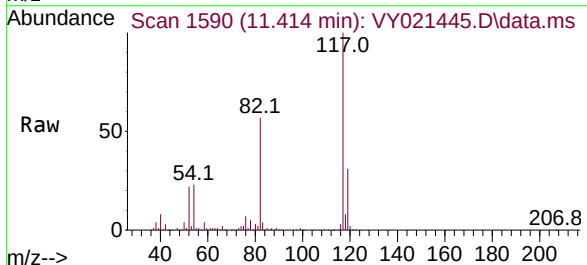
Instrument :
MSVOA_Y
ClientSampleId :
T7

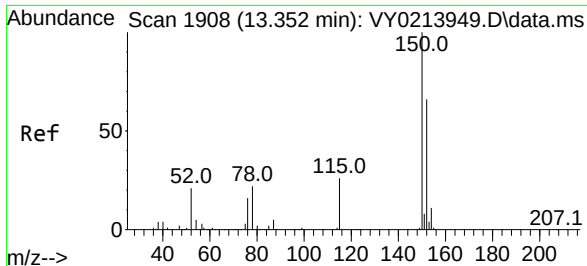
Tgt Ion: 95 Resp: 156881
Ion Ratio Lower Upper
95 100
174 82.0 0.0 165.0
176 78.5 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

Tgt Ion: 117 Resp: 378072
Ion Ratio Lower Upper
117 100
82 57.1 44.6 67.0
119 31.3 25.4 38.0

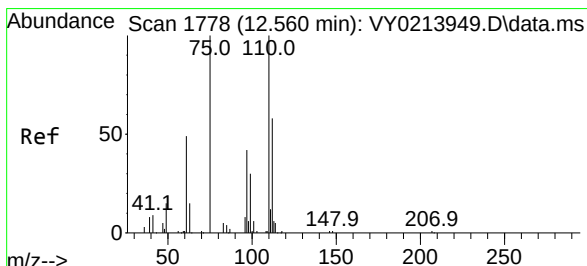
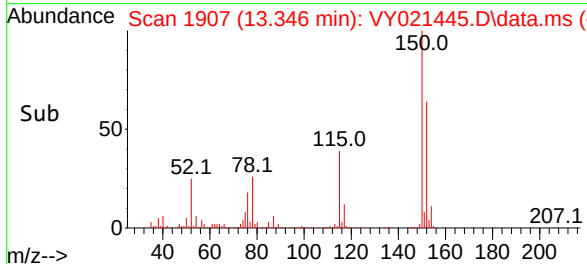
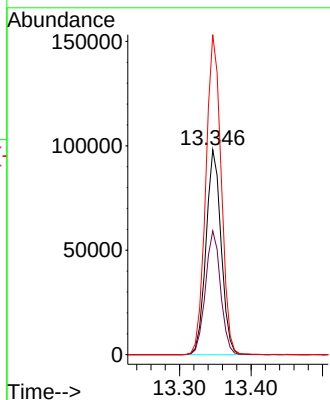
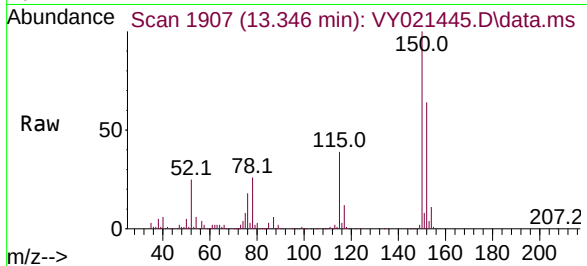




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021445.D
 Acq: 06 Mar 2025 19:20

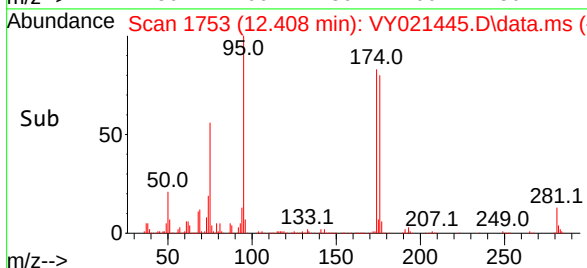
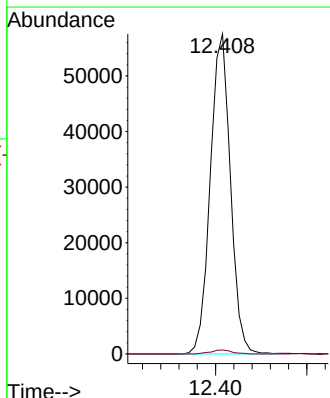
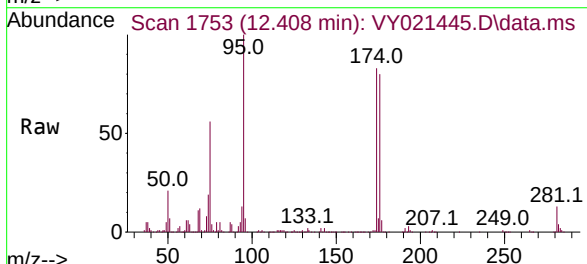
Instrument :
 MSVOA_Y
 ClientSampleId :
 T7

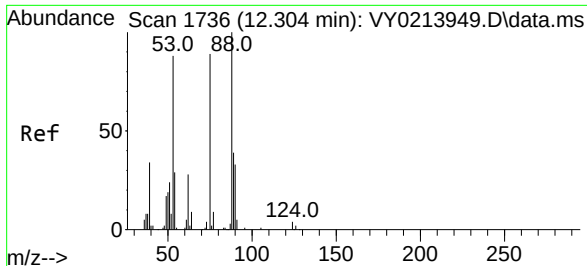
Tgt Ion:152 Resp: 143977
 Ion Ratio Lower Upper
 152 100
 115 60.6 29.0 87.0
 150 158.5 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 60.685 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021445.D
 Acq: 06 Mar 2025 19:20

Tgt Ion: 75 Resp: 88044
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

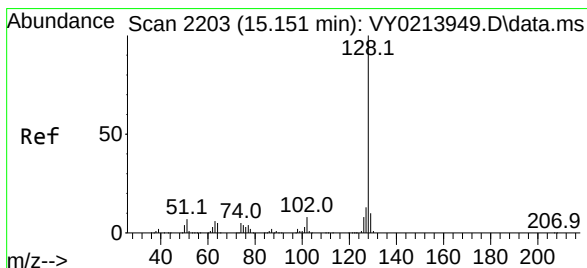
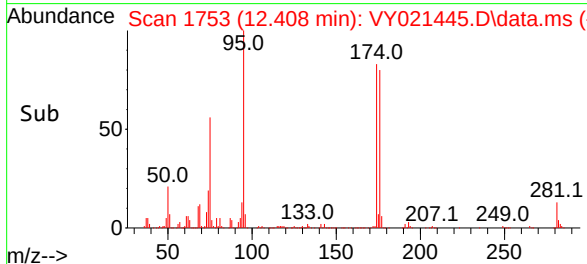
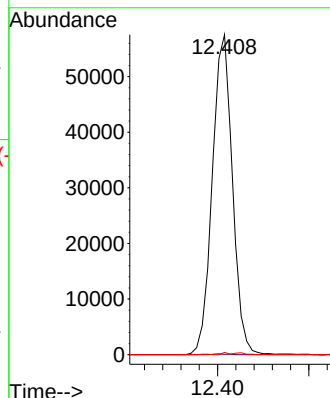
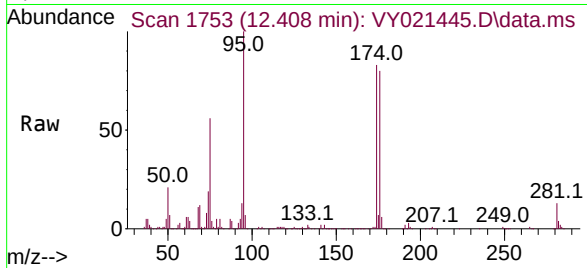




#81
trans-1,4-Dichloro-2-butene
Concen: 137.956 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

Instrument :
MSVOA_Y
ClientSampleId :
T7

Tgt Ion: 75 Resp: 88044
Ion Ratio Lower Upper
75 100
53 0.2 81.0 121.4#
89 0.5 36.9 55.3#



#95
Naphthalene
Concen: 1.465 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.006 min
Lab File: VY021445.D
Acq: 06 Mar 2025 19:20

Tgt Ion: 128 Resp: 64
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

