

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020325\
 Data File : VX044803.D
 Acq On : 03 Feb 2025 10:21
 Operator : JC/MD
 Sample : VX0203MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 04 02:05:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	123890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	248943	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	222759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	100227	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95191	50.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.800%
35) Dibromofluoromethane	5.373	113	78819	49.838	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.680%
50) Toluene-d8	8.641	98	306245	55.536	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.080%
62) 4-Bromofluorobenzene	11.079	95	107999	52.537	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.080%

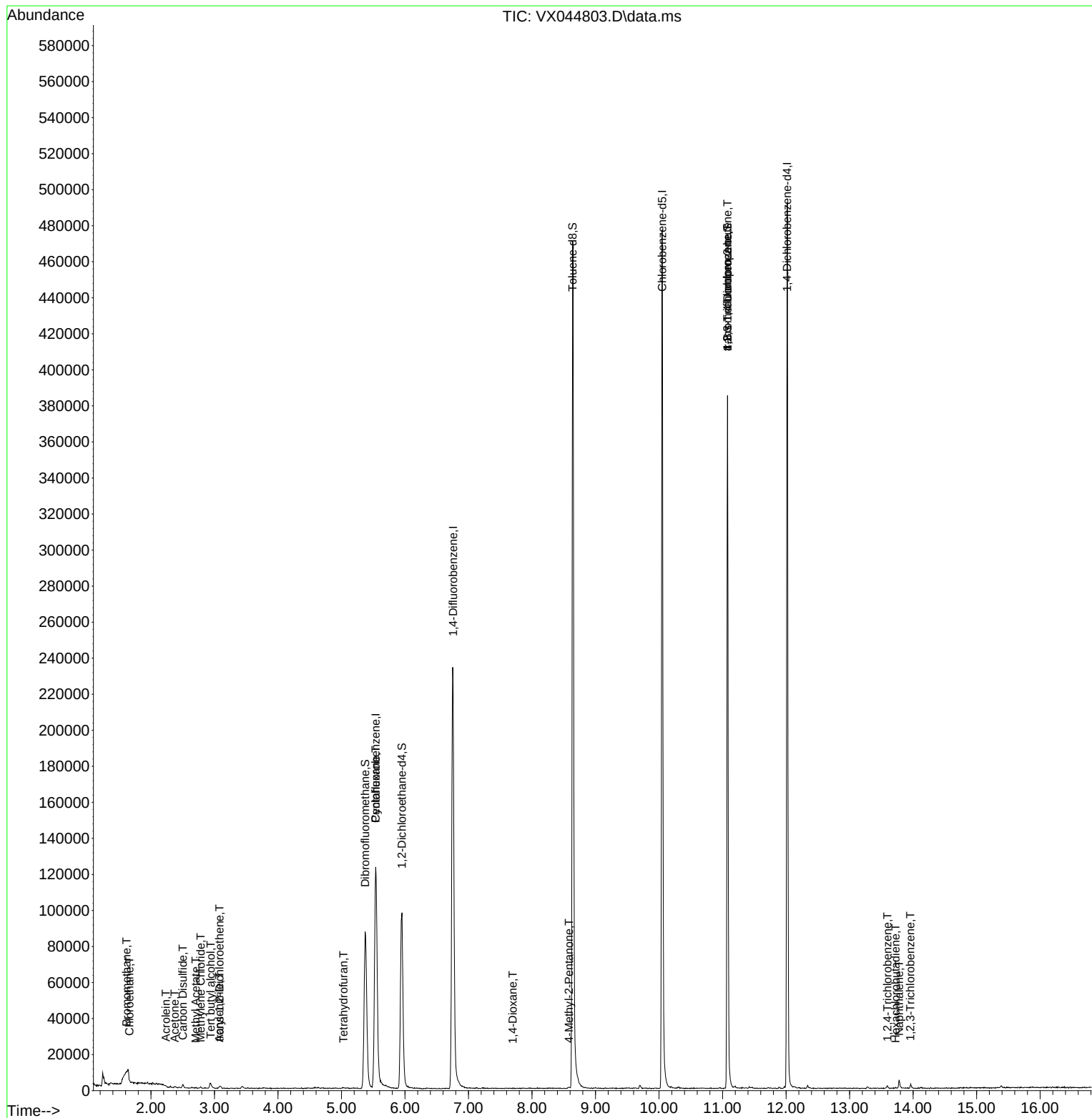
Target Compounds			Qvalue			
5) Bromomethane	1.618	94	164	0.386	ug/l #	4
6) Chloroethane	1.660	64	128	0.392	ug/l #	41
11) Tert butyl alcohol	2.941	59	1521	3.648	ug/l #	85
13) Acrolein	2.233	56	213	1.086	ug/l #	23
15) Acrylonitrile	3.075	53	641	0.784	ug/l #	88
16) Acetone	2.374	43	933	1.261	ug/l	93
17) Carbon Disulfide	2.502	76	2482	0.627	ug/l #	92
18) Methyl Acetate	2.703	43	582	0.255	ug/l #	50
20) Methylene Chloride	2.782	84	373	0.216	ug/l #	91
21) trans-1,2-Dichloroethene	3.081	96	352	0.232	ug/l #	69
29) Tetrahydrofuran	5.032	42	355	0.500	ug/l #	30
31) Cyclohexane	5.538	56	3052	1.296	ug/l #	7
49) 1,4-Dioxane	7.696	88	19	0.455	ug/l #	1
51) 4-Methyl-2-Pentanone	8.580	43	613	0.257	ug/l #	35
76) 1,2,3-Trichloropropane	11.079	75	53593	22.033	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	53593	50.387	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.597	180	571	0.280	ug/l	88
94) Hexachlorobutadiene	13.725	225	166	0.207	ug/l	69
95) Naphthalene	13.780	128	3810	0.485	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	836	0.396	ug/l	84

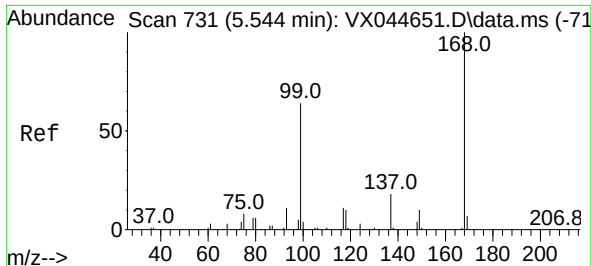
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX044803.D
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Sample : VX0203MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

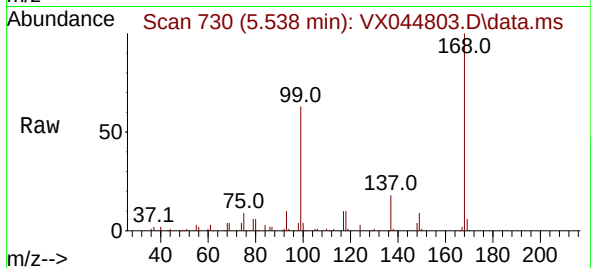
Quant Time: Feb 04 02:05:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



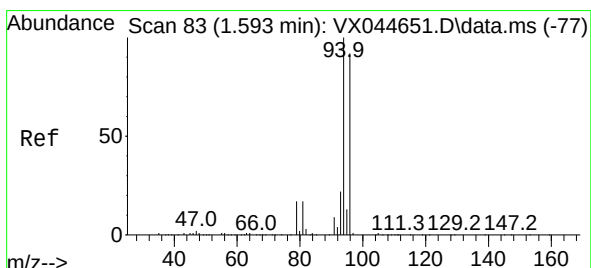
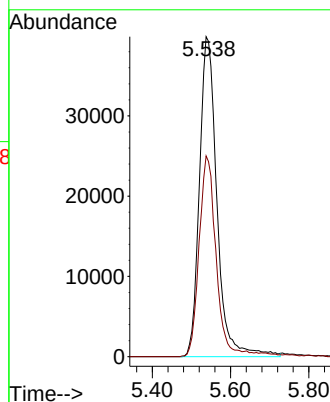
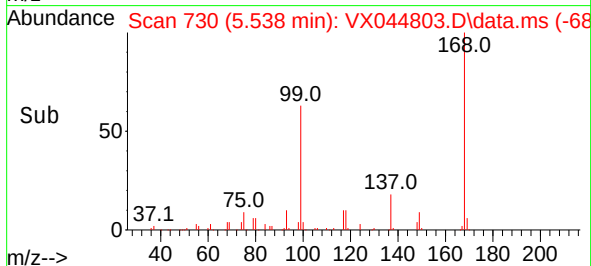


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

Instrument :
MSVOA_X
ClientSampleId :

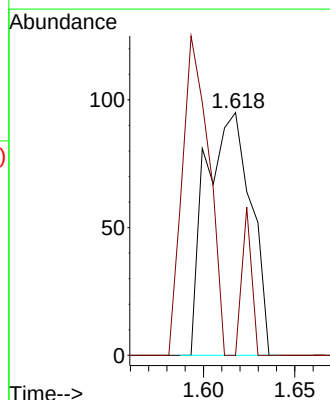
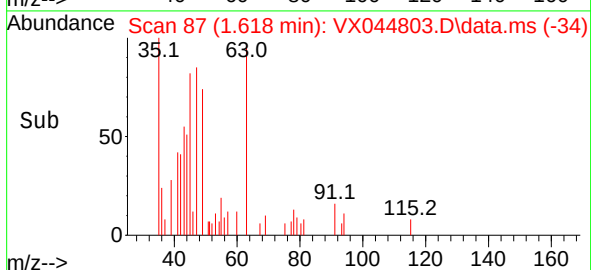
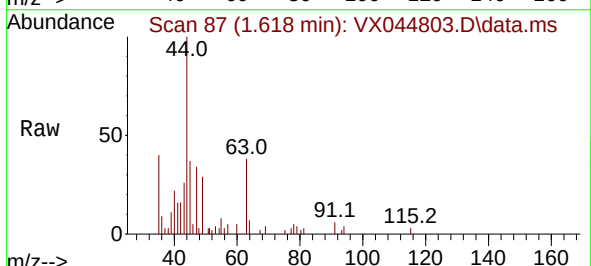


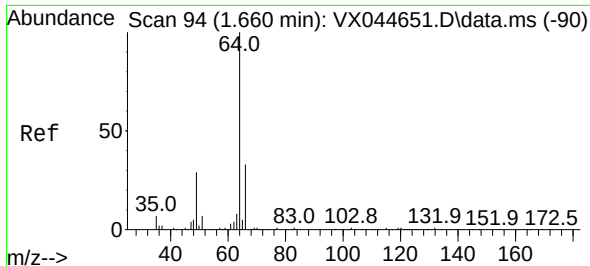
Tgt Ion:168 Resp: 123890
Ion Ratio Lower Upper
168 100
99 62.7 51.1 76.7



#5
Bromomethane
Concen: 0.386 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.024 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

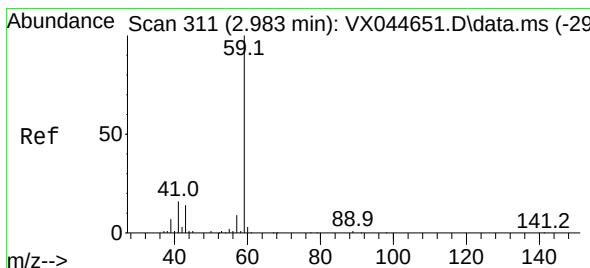
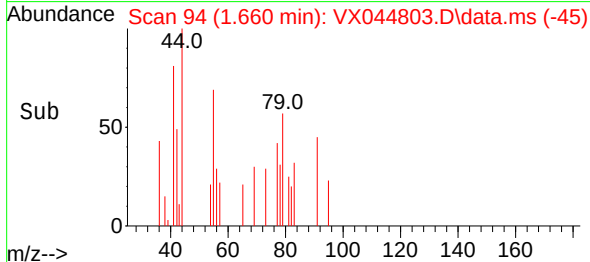
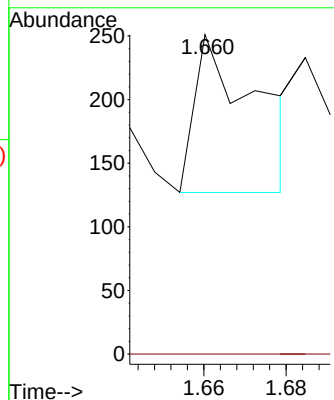
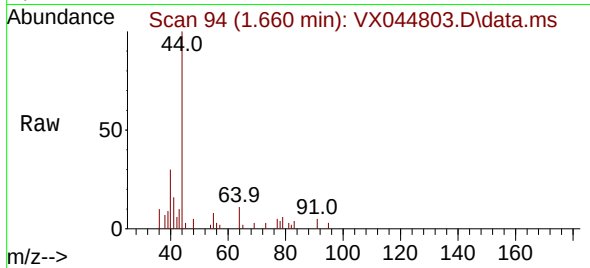




#6
Chloroethane
Concen: 0.392 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

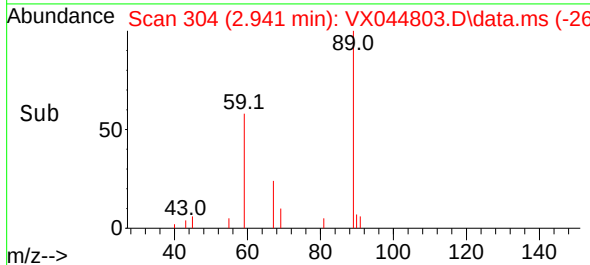
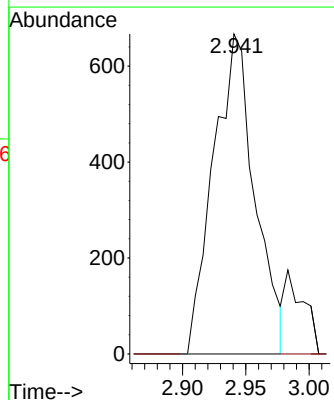
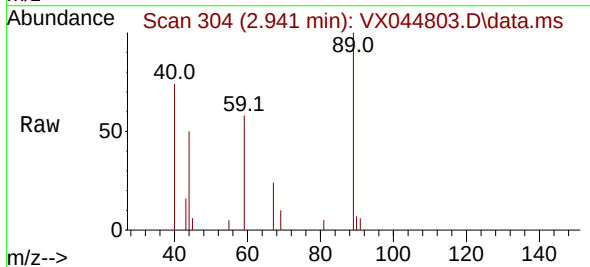
Instrument :
MSVOA_X
ClientSampleId :

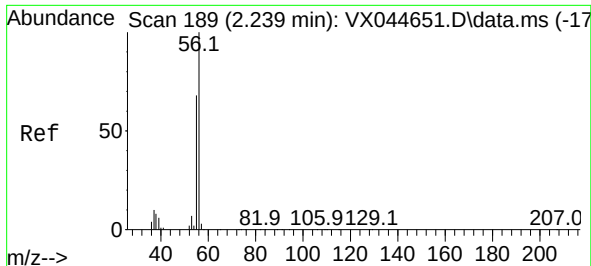
Tgt Ion: 64 Resp: 128
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: 3.648 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

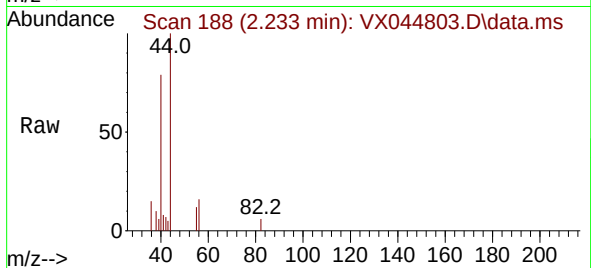
Tgt Ion: 59 Resp: 1521
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#



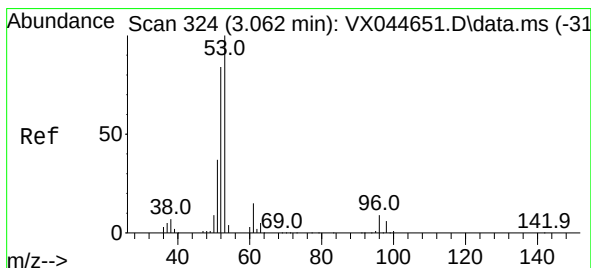
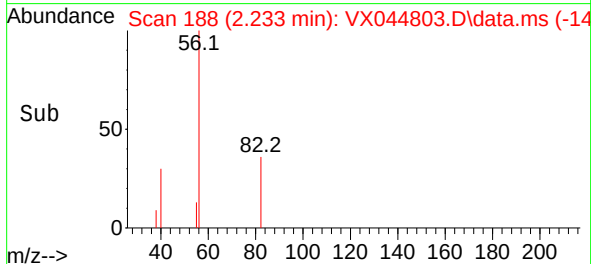
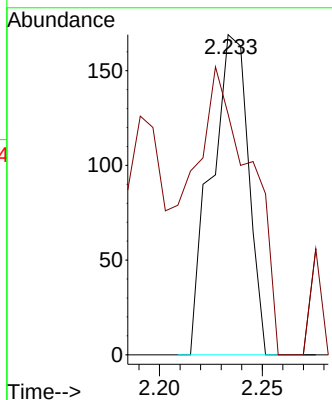


#13
Acrolein
Concen: 1.086 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

Instrument :
MSVOA_X
ClientSampleId :

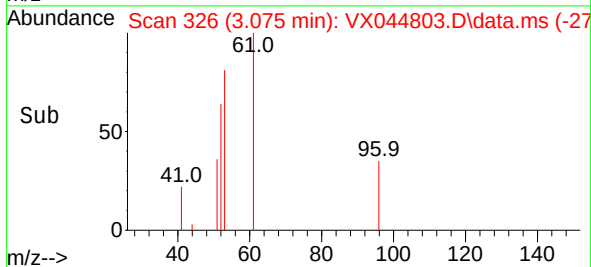
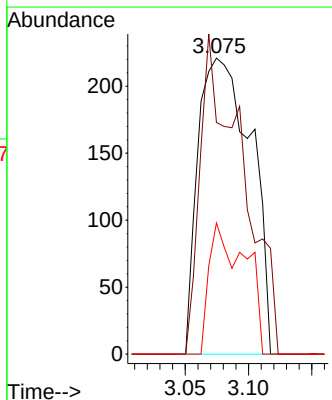
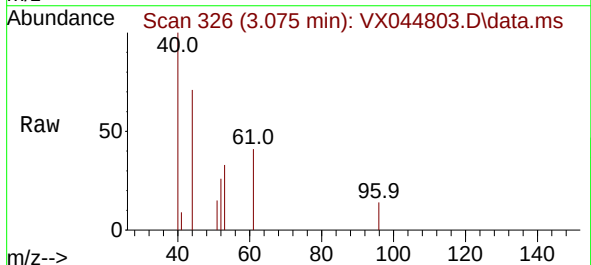


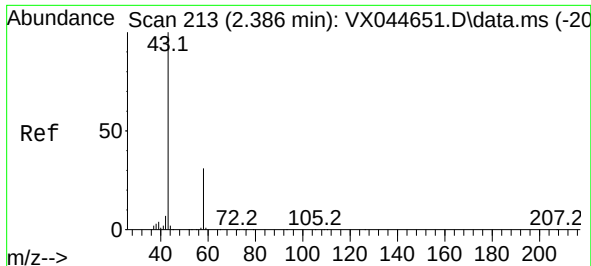
Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 131.9 55.1 82.7#



#15
Acrylonitrile
Concen: 0.784 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

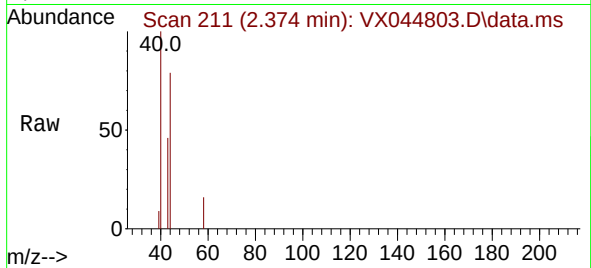
Tgt Ion: 53 Resp: 641
Ion Ratio Lower Upper
53 100
52 86.0 66.0 99.0
51 17.6 28.9 43.3#



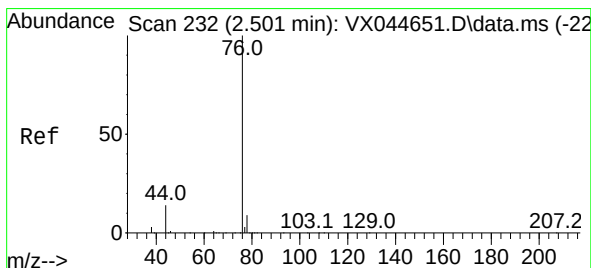
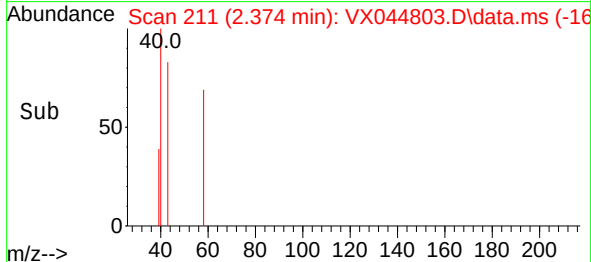
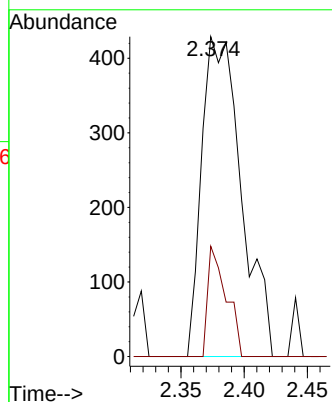


#16
Acetone
Concen: 1.261 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.012 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

Instrument :
MSVOA_X
ClientSampleId :

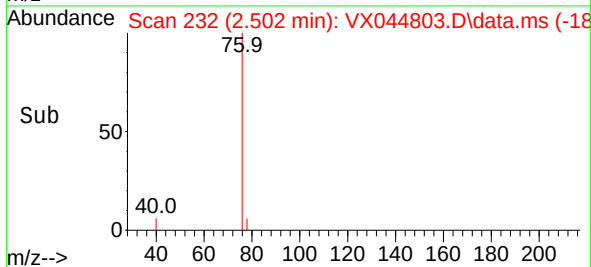
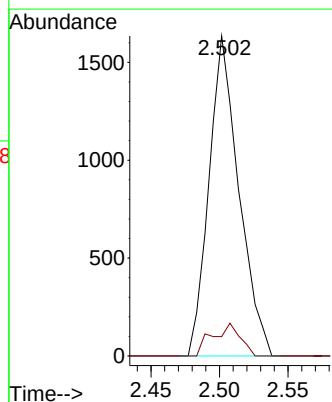
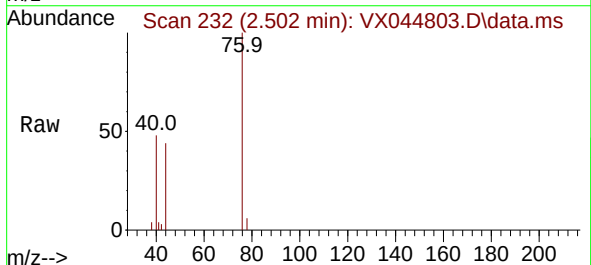


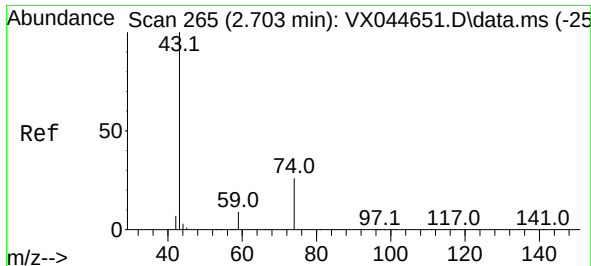
Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
58 34.5 24.6 37.0



#17
Carbon Disulfide
Concen: 0.627 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

Tgt Ion: 76 Resp: 2482
Ion Ratio Lower Upper
76 100
78 6.1 7.1 10.7#





#18

Methyl Acetate

Concen: 0.255 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

Instrument :

MSVOA_X

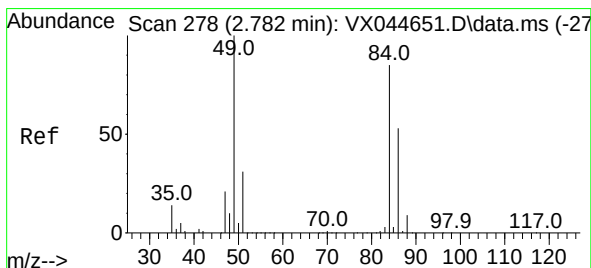
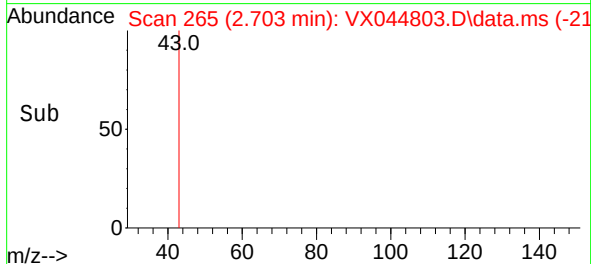
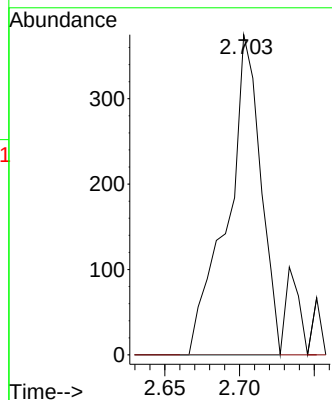
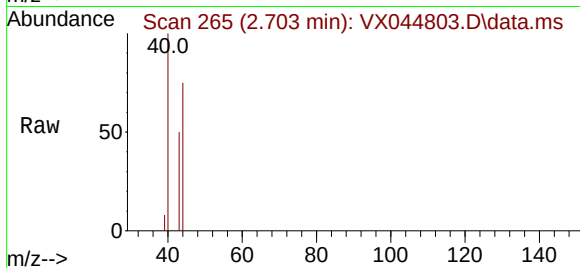
ClientSampleId :

Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.8#



#20

Methylene Chloride

Concen: 0.216 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

Tgt Ion: 84 Resp: 373

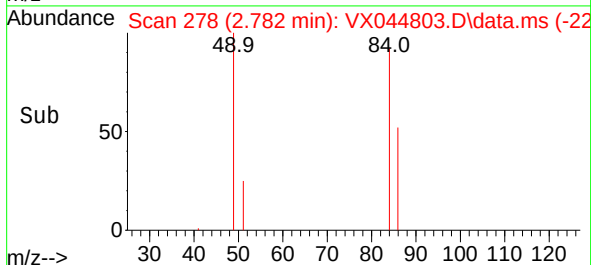
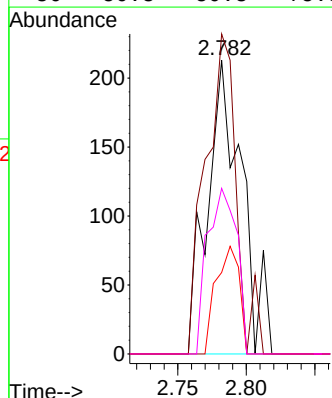
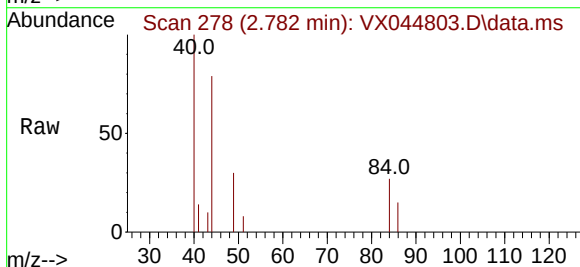
Ion Ratio Lower Upper

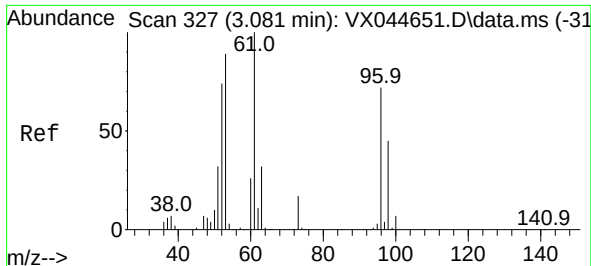
84 100

49 108.9 94.2 141.4

51 27.7 28.8 43.2#

86 56.3 50.3 75.5

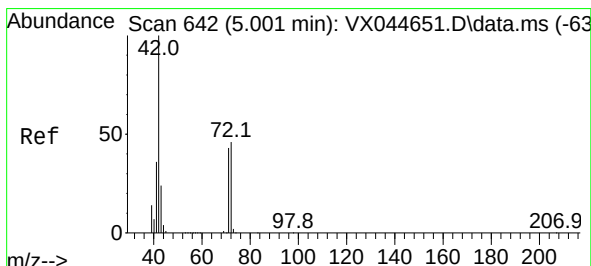
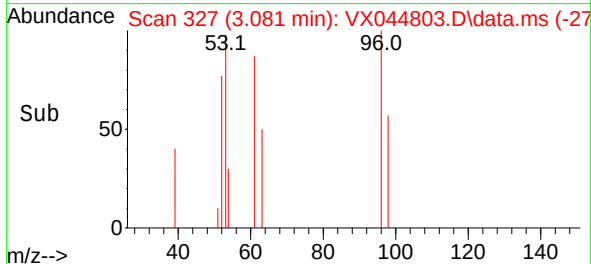
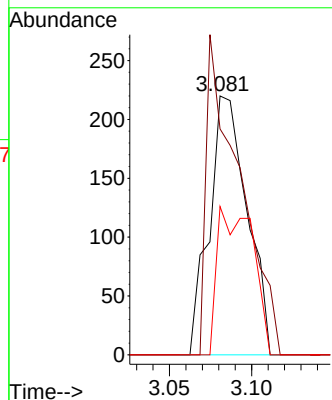
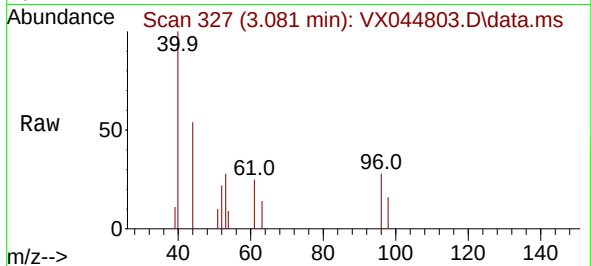




#21
trans-1,2-Dichloroethene
Concen: 0.232 ug/l
RT: 3.081 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

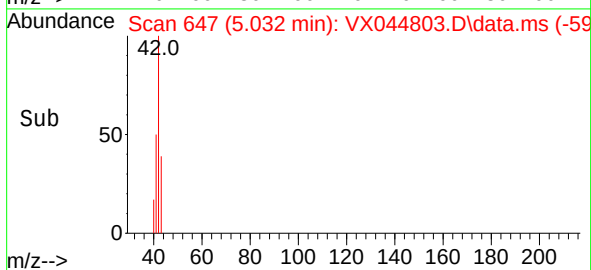
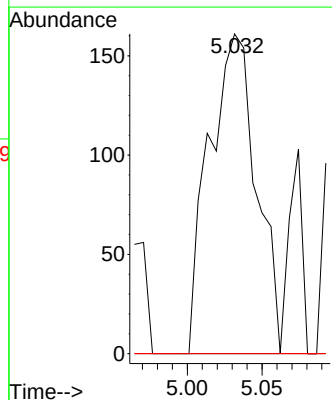
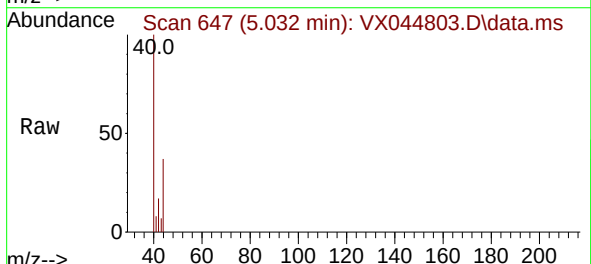
Instrument :
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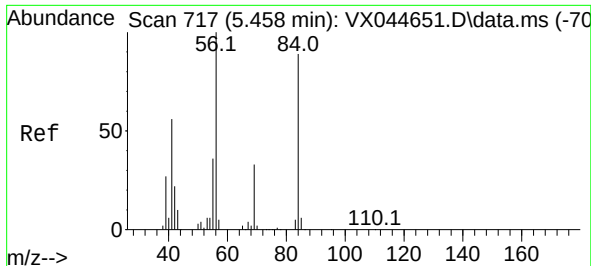
Tgt Ion: 96 Resp: 352
Ion Ratio Lower Upper
96 100
61 87.3 111.0 166.6#
98 57.3 50.2 75.2



#29
Tetrahydrofuran
Concen: 0.500 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

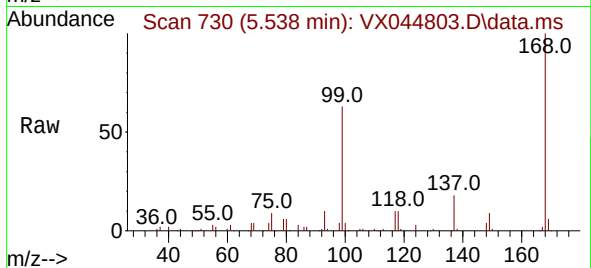
Tgt Ion: 42 Resp: 355
Ion Ratio Lower Upper
42 100
72 0.0 38.2 57.4#
71 0.0 35.3 52.9#



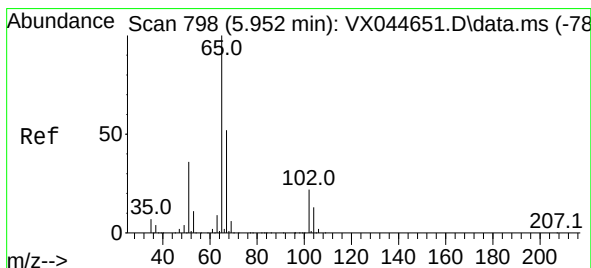
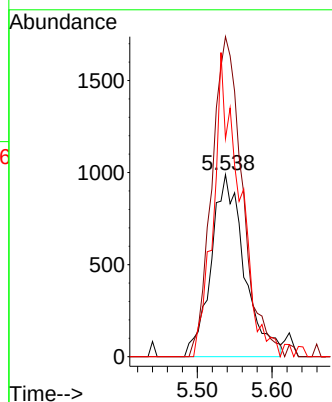
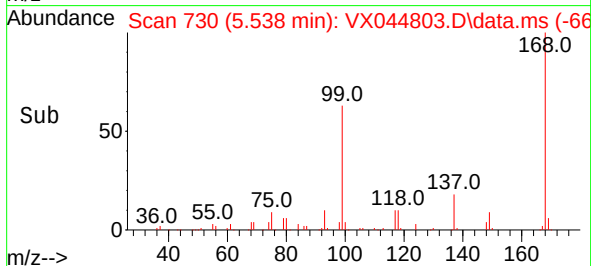


#31
Cyclohexane
Concen: 1.296 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

Instrument :
MSVOA_X
ClientSampleId :

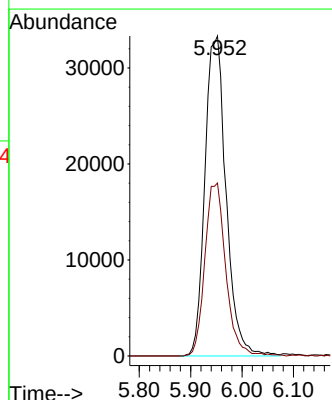
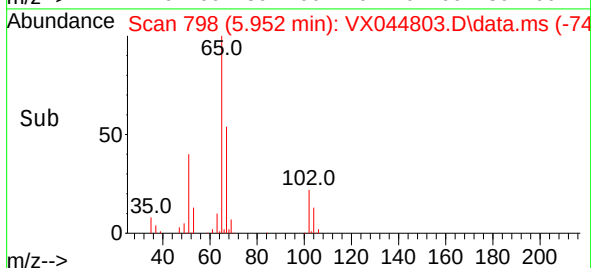
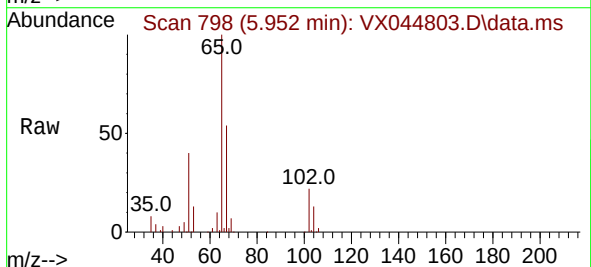


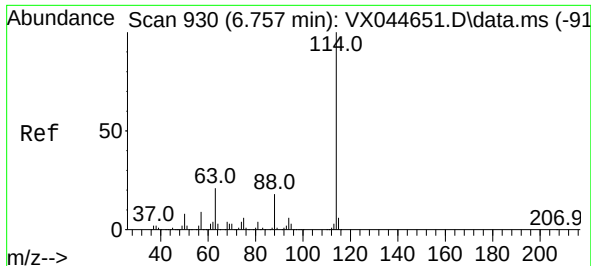
Tgt Ion: 56 Resp: 3052
Ion Ratio Lower Upper
56 100
69 175.7 26.8 40.2#
84 119.7 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 50.904 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX044803.D
Acq: 03 Feb 2025 10:21

Tgt Ion: 65 Resp: 95191
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

Instrument :

MSVOA_X

ClientSampleId :

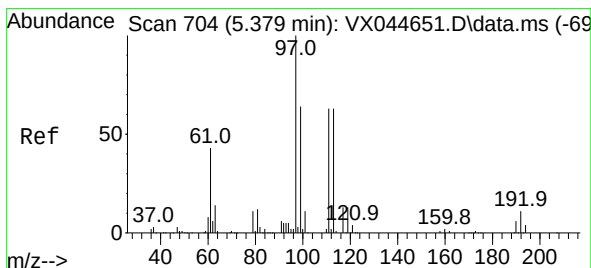
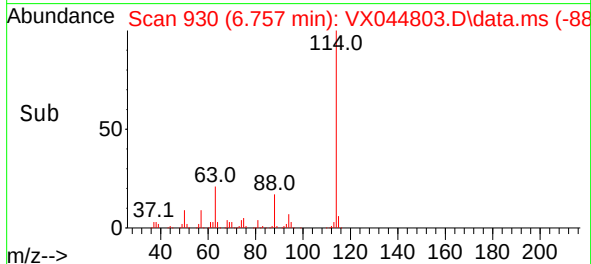
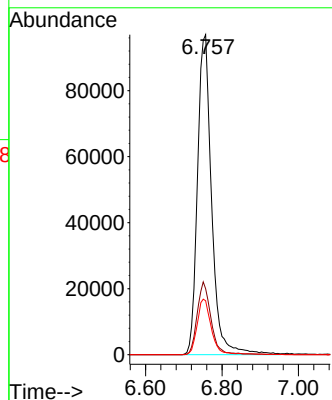
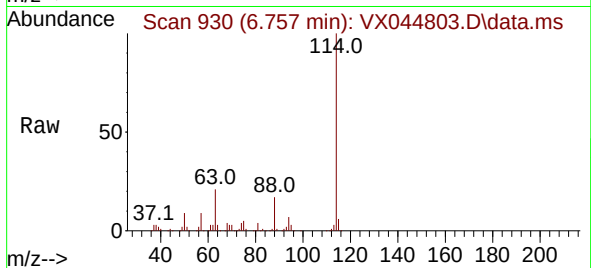
Tgt Ion:114 Resp: 248943

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.0

88 16.8 0.0 35.4



#35

Dibromofluoromethane

Concen: 49.838 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

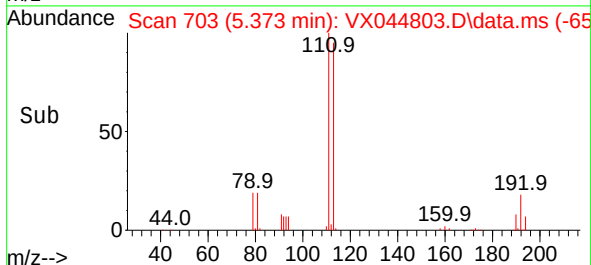
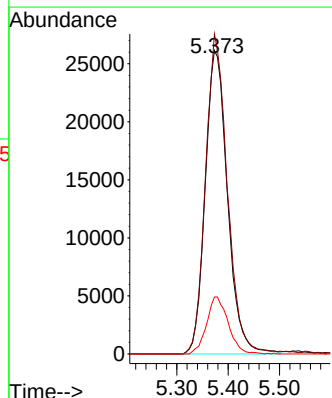
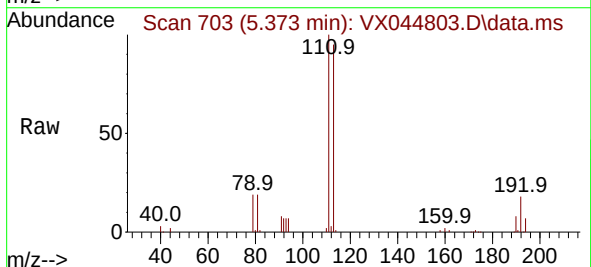
Tgt Ion:113 Resp: 78819

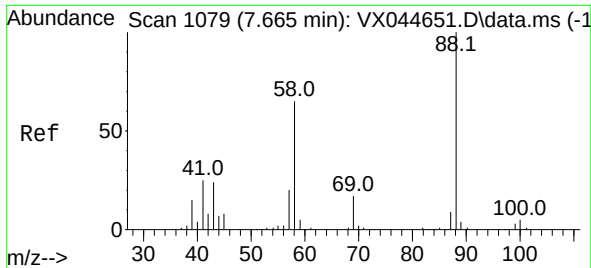
Ion Ratio Lower Upper

113 100

111 103.9 81.6 122.4

192 18.2 14.4 21.6





#49

1,4-Dioxane

Concen: 0.455 ug/l

RT: 7.696 min Scan# 1

Delta R.T. 0.031 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

Instrument :

MSVOA_X

ClientSampleId :

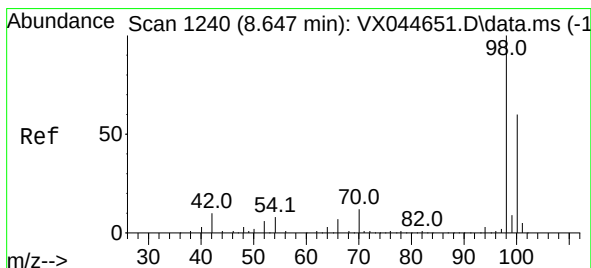
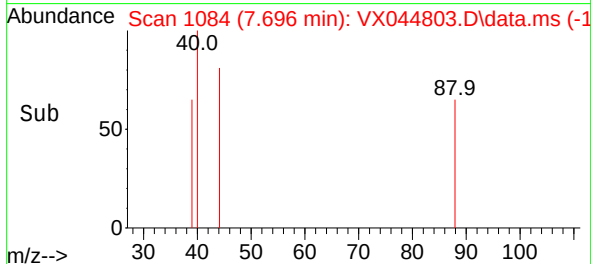
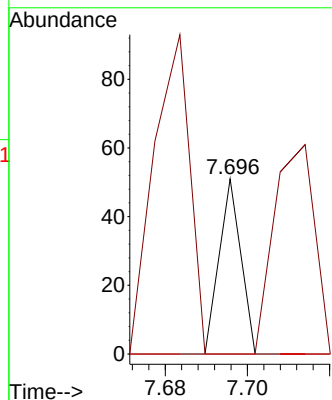
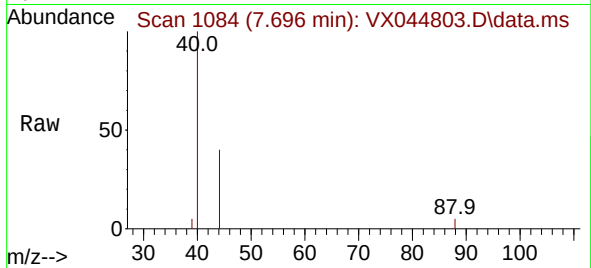
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 221.1 27.0 40.4#

58 0.0 55.8 83.8#



#50

Toluene-d8

Concen: 55.536 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX044803.D

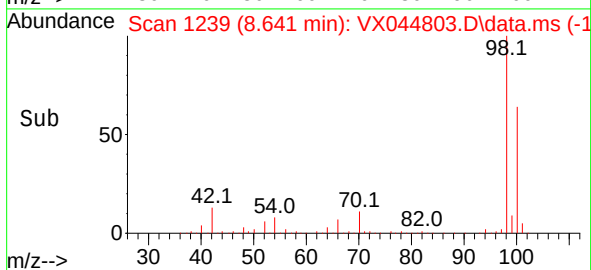
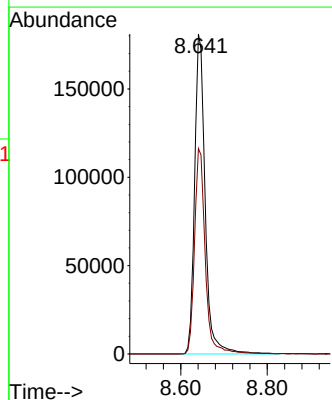
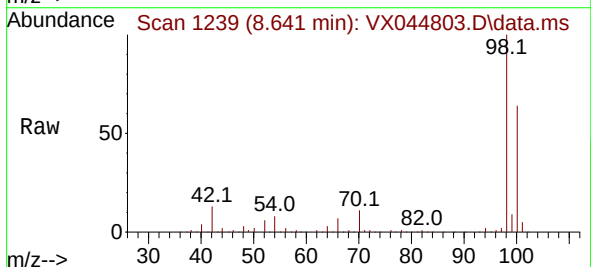
Acq: 03 Feb 2025 10:21

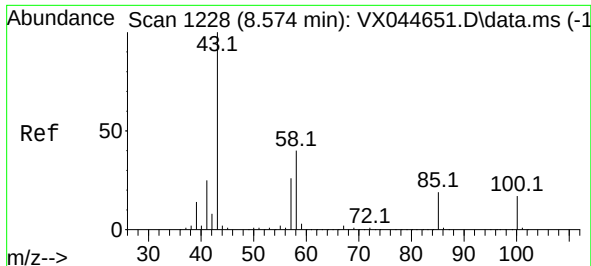
Tgt Ion: 98 Resp: 306245

Ion Ratio Lower Upper

98 100

100 65.2 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 0.257 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

Instrument :

MSVOA_X

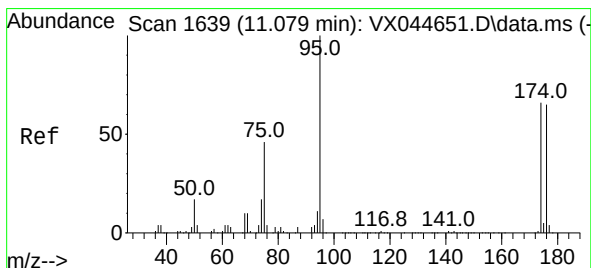
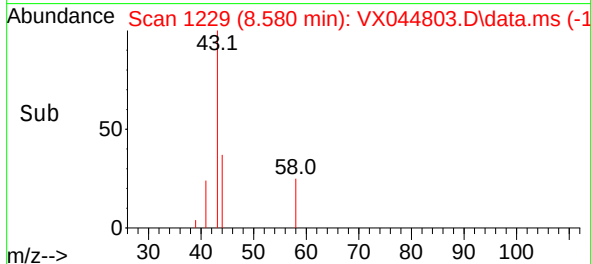
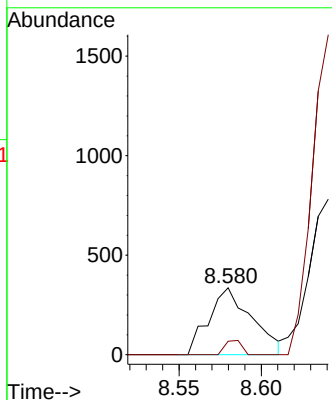
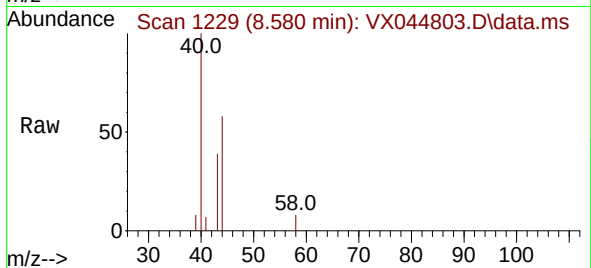
ClientSampleId :

Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

58 0.0 31.9 47.9#



#62

4-Bromofluorobenzene

Concen: 52.537 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

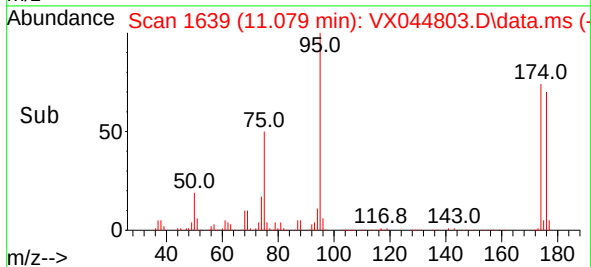
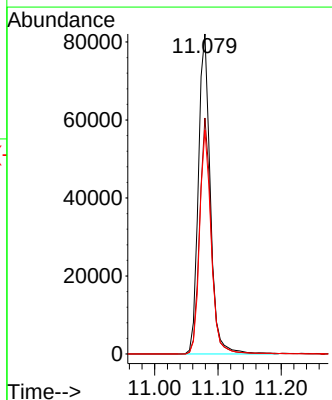
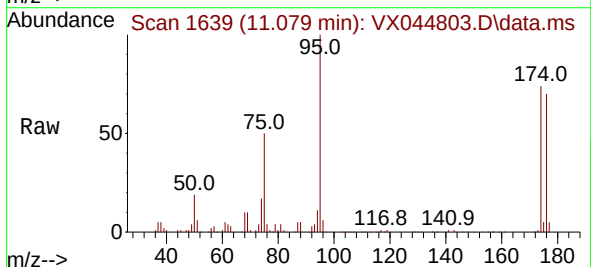
Tgt Ion: 95 Resp: 107999

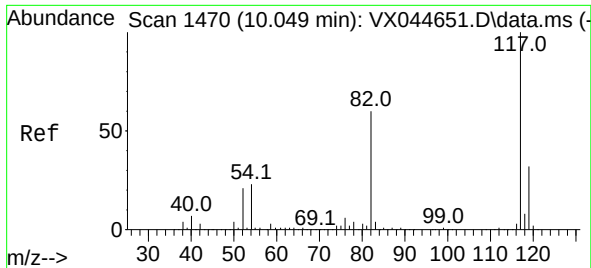
Ion Ratio Lower Upper

95 100

174 71.9 0.0 133.0

176 68.0 0.0 129.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

Instrument :

MSVOA_X

ClientSampleId :

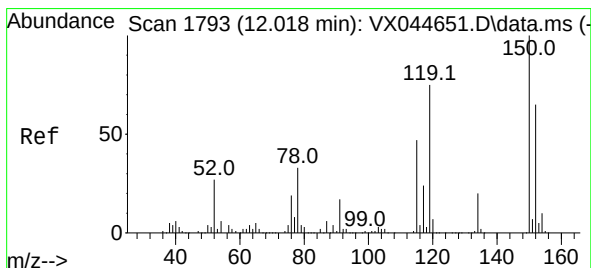
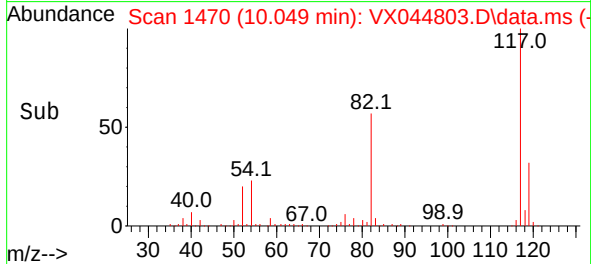
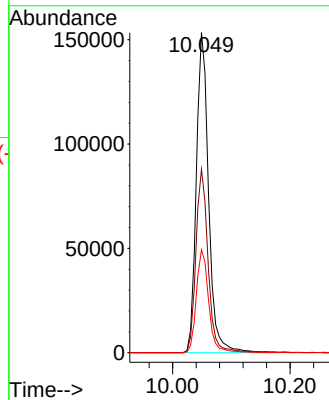
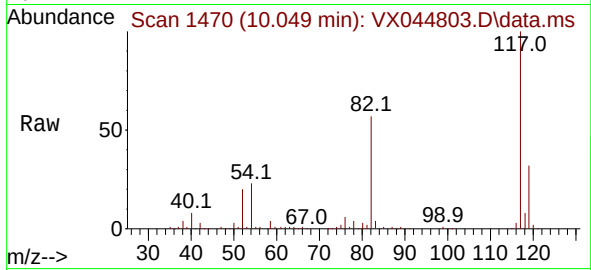
Tgt Ion:117 Resp: 222759

Ion Ratio Lower Upper

117 100

82 57.4 47.6 71.4

119 32.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

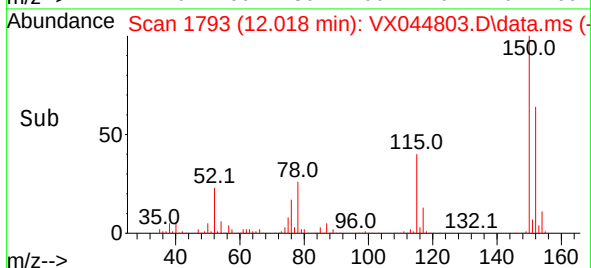
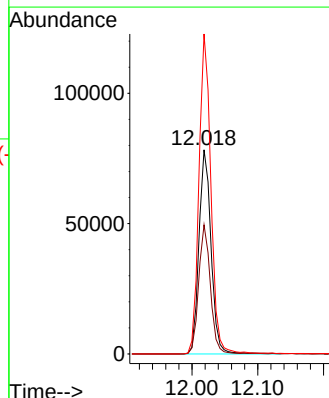
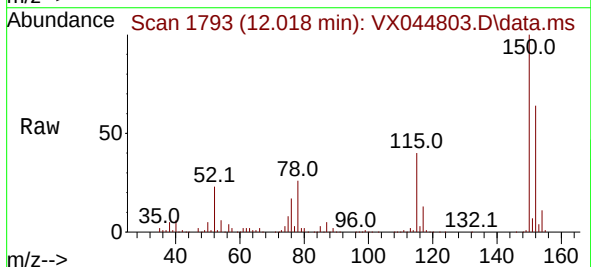
Tgt Ion:152 Resp: 100227

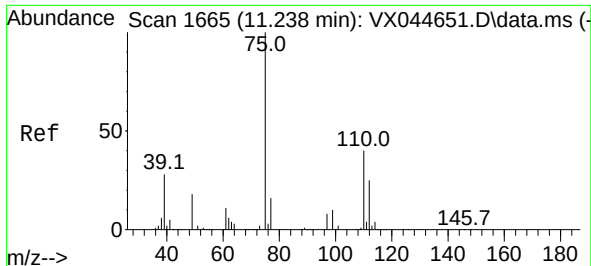
Ion Ratio Lower Upper

152 100

115 61.1 43.8 131.4

150 155.1 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 22.033 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

Instrument :

MSVOA_X

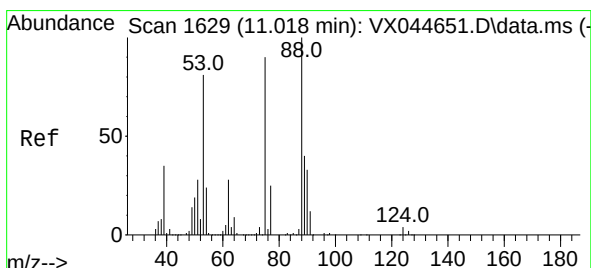
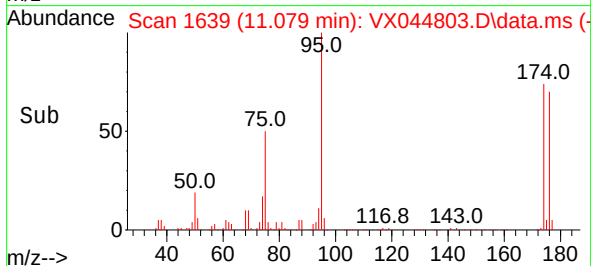
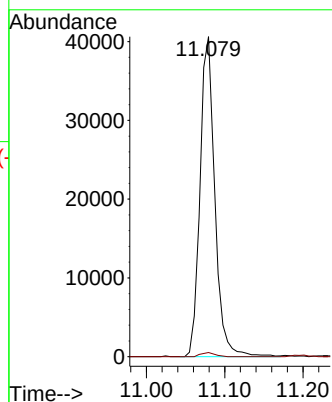
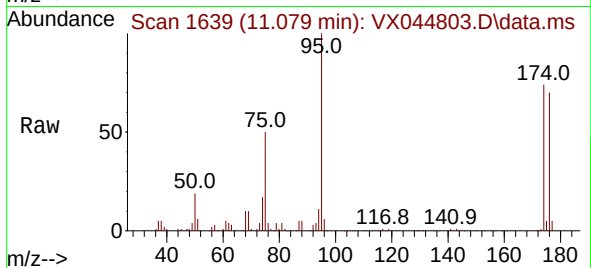
ClientSampleId :

Tgt Ion: 75 Resp: 53593

Ion Ratio Lower Upper

75 100

77 1.2 23.4 70.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.387 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

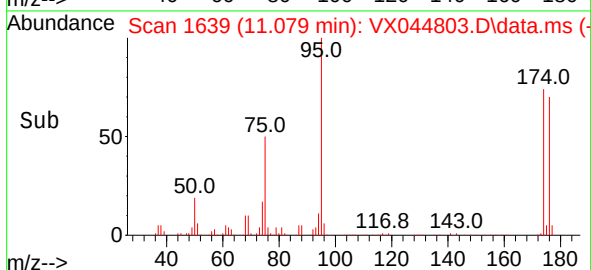
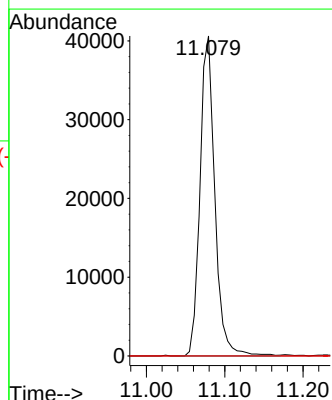
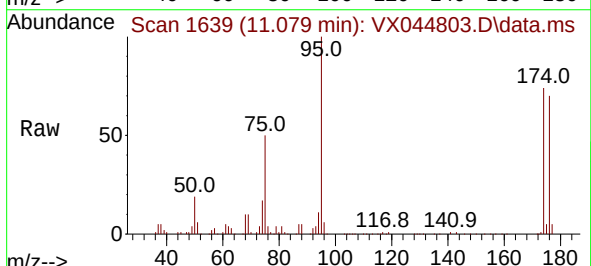
Tgt Ion: 75 Resp: 53593

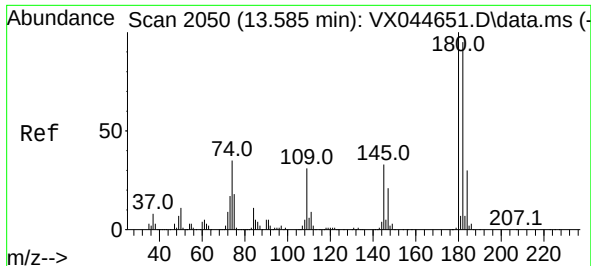
Ion Ratio Lower Upper

75 100

53 0.0 74.3 111.5#

89 0.0 37.4 56.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.280 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX044803.D

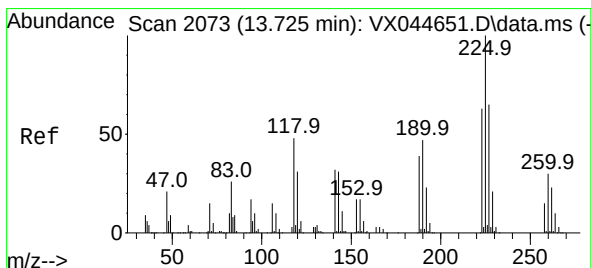
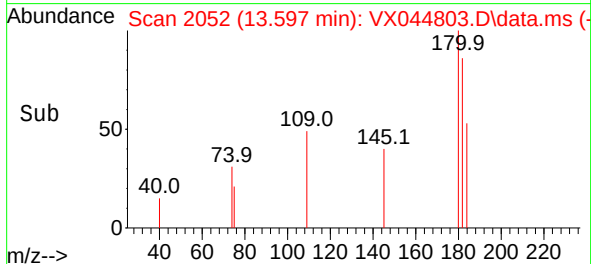
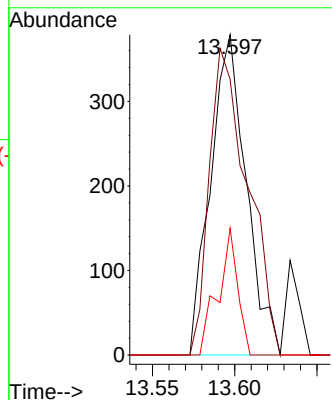
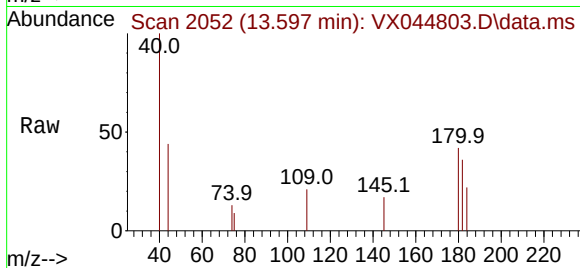
Acq: 03 Feb 2025 10:21

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180	Resp:	571
Ion Ratio	Lower	Upper
180	100	
182	103.0	47.4 142.2
145	21.9	16.7 50.1



#94

Hexachlorobutadiene

Concen: 0.207 ug/l

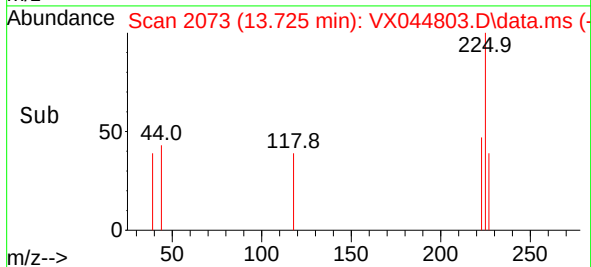
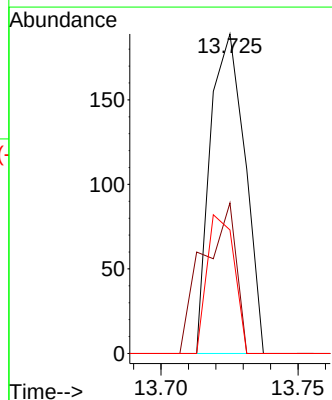
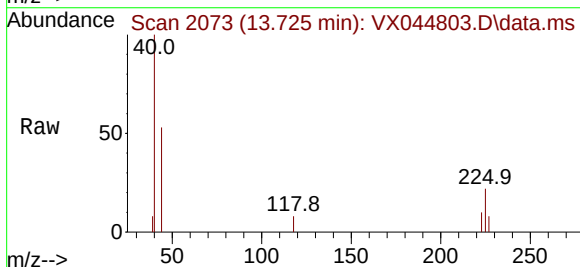
RT: 13.725 min Scan# 2073

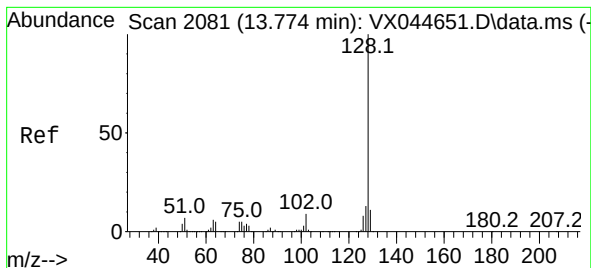
Delta R.T. 0.000 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

Tgt Ion:225	Resp:	166
Ion Ratio	Lower	Upper
225	100	
223	45.2	31.9 95.7
227	34.3	31.8 95.4





#95

Naphthalene

Concen: 0.485 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX044803.D

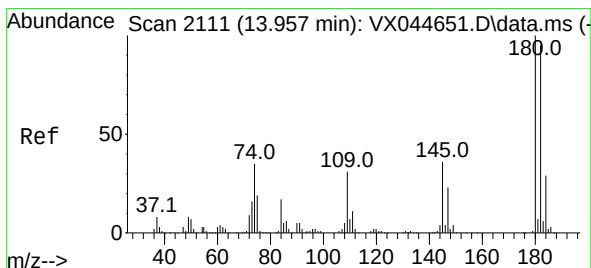
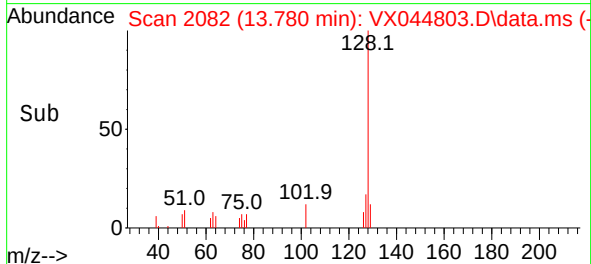
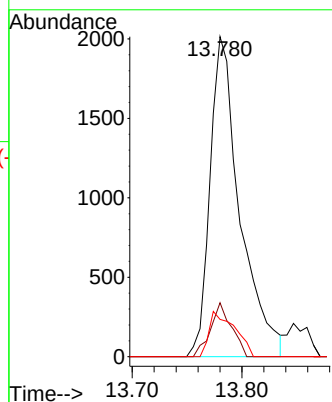
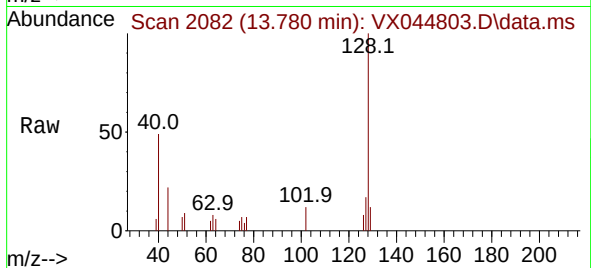
Acq: 03 Feb 2025 10:21

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	3810
Ion Ratio	Lower	Upper
128	100	
127	11.9	10.3 15.5
129	12.2	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.396 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044803.D

Acq: 03 Feb 2025 10:21

Tgt Ion:180	Resp:	836
Ion Ratio	Lower	Upper
180	100	
182	80.0	47.2 141.6
145	23.7	17.5 52.6

