

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045030.D
 Acq On : 25 Feb 2025 11:44
 Operator : JC/MD
 Sample : VX0225MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225MBL01

Quant Time: Feb 26 03:12:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

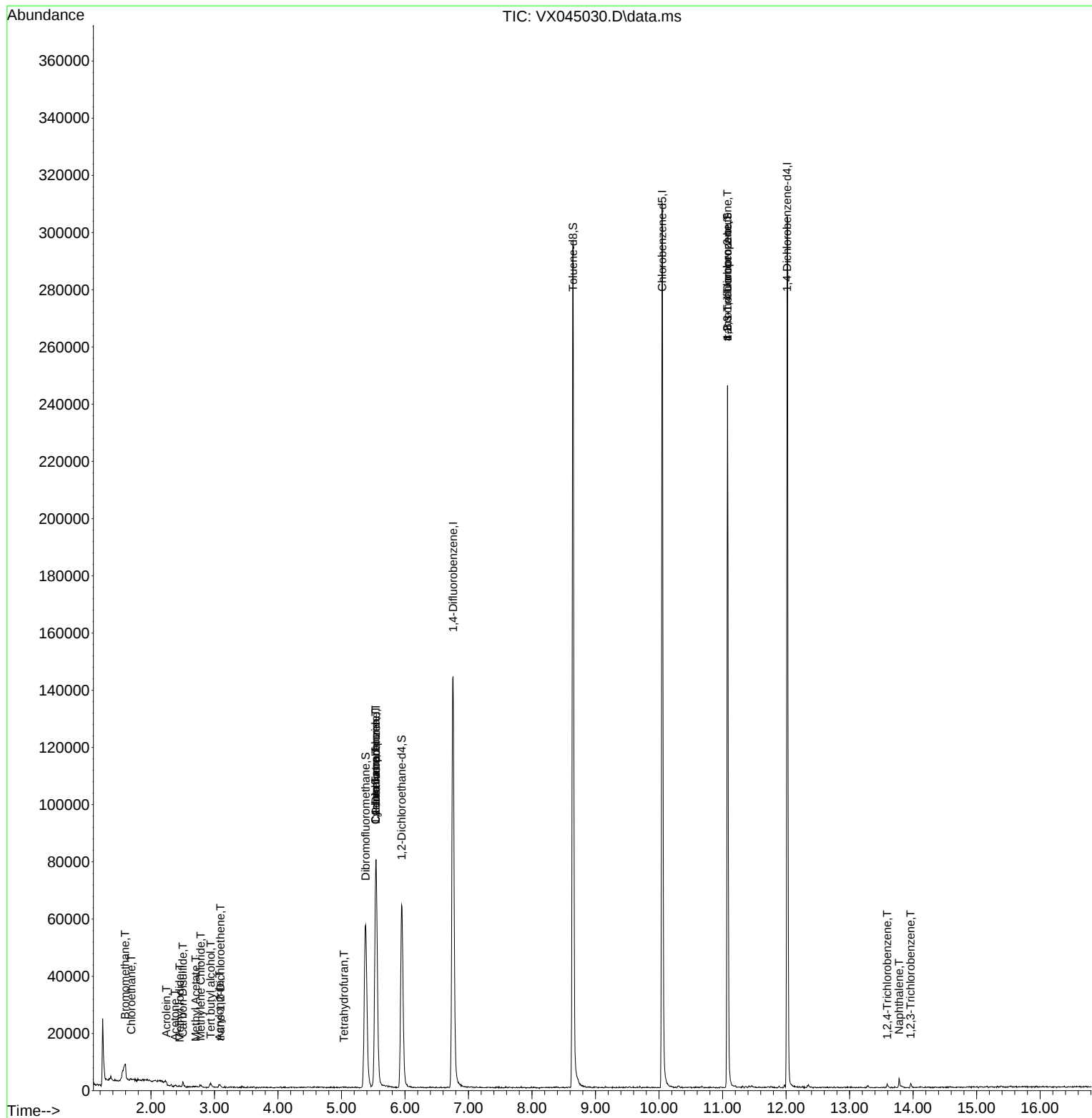
Internal Standards						
1) Pentafluorobenzene	5.544	168	76885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151709	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	60431	53.695	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.380%	
35) Dibromofluoromethane	5.379	113	51079	51.785	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.580%	
50) Toluene-d8	8.647	98	186639	50.040	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	11.079	95	64630	51.400	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.800%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	221	0.581	ug/l	82
6) Chloroethane	1.691	64	588	2.297	ug/l #	42
10) Methyl Iodide	2.453	142	359	0.285	ug/l #	59
11) Tert butyl alcohol	2.940	59	875	4.191	ug/l #	73
13) Acrolein	2.239	56	284	1.318	ug/l #	44
15) Acrylonitrile	3.081	53	331	0.594	ug/l #	78
16) Acetone	2.380	43	525	1.160	ug/l #	76
17) Carbon Disulfide	2.501	76	1978	0.728	ug/l #	95
18) Methyl Acetate	2.703	43	407	0.285	ug/l #	52
20) Methylene Chloride	2.782	84	309	0.279	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	240	0.246	ug/l #	53
29) Tetrahydrofuran	5.038	42	142	0.291	ug/l #	33
31) Cyclohexane	5.537	56	1894	1.084	ug/l #	48
36) 1,1-Dichloropropene	5.537	75	6688	4.700	ug/l #	50
38) Carbon Tetrachloride	5.537	117	7874	5.646	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	33644	25.358	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	33644	65.231	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.591	180	462	0.387	ug/l	94
95) Naphthalene	13.780	128	3005	0.696	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.963	180	509	0.423	ug/l	81

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

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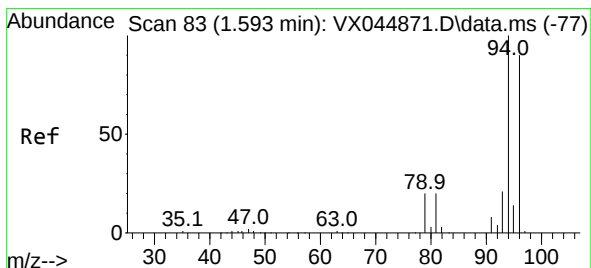
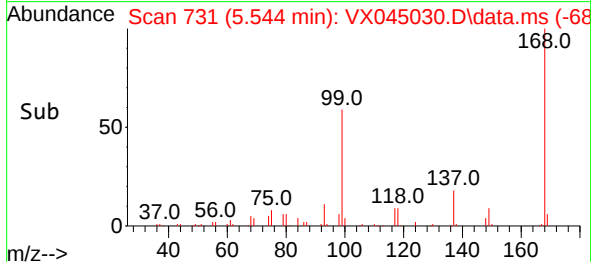
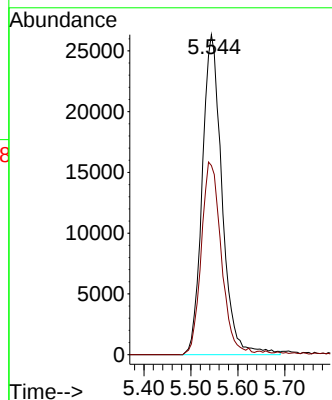
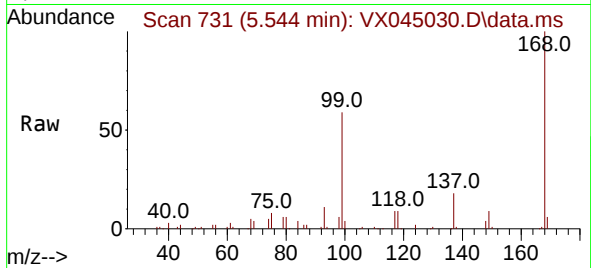




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

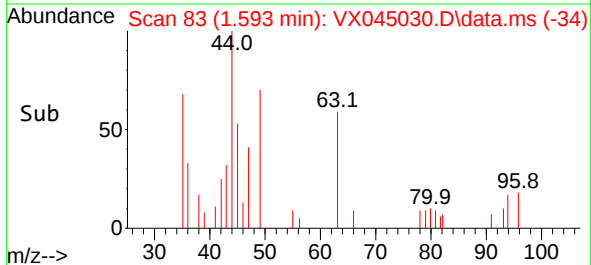
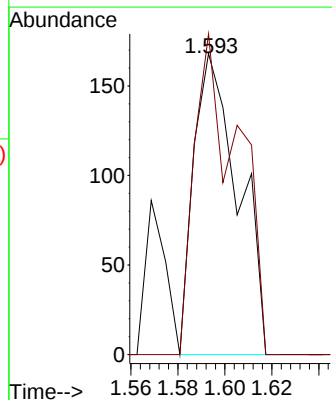
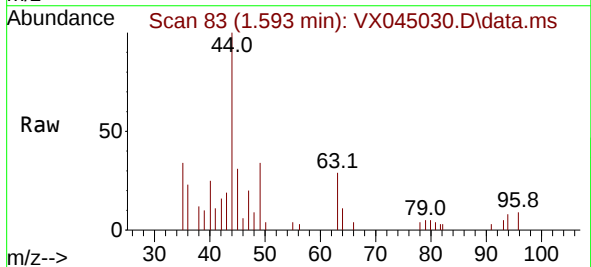
Instrument :
MSVOA_X
ClientSampleId :
VX0225MBL01

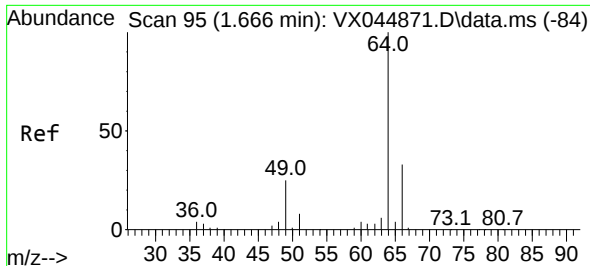
Tgt Ion:168 Resp: 76885
Ion Ratio Lower Upper
168 100
99 59.1 51.2 76.8



#5
Bromomethane
Concen: 0.581 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

Tgt Ion: 94 Resp: 221
Ion Ratio Lower Upper
94 100
96 106.5 71.6 107.4

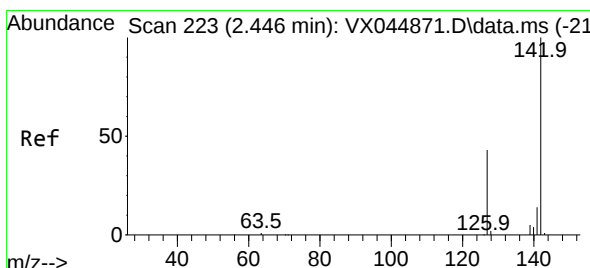
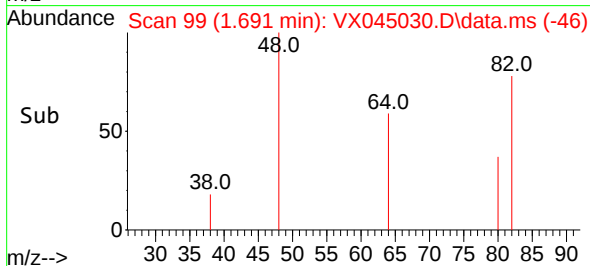
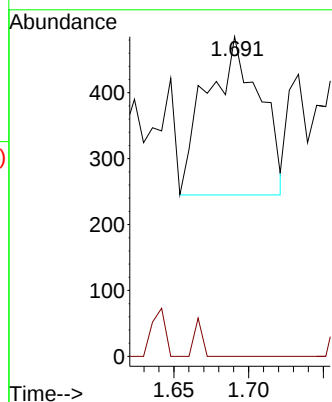
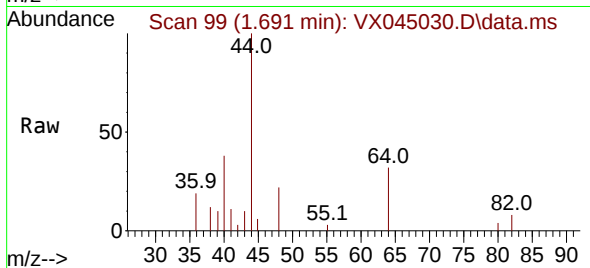




#6
Chloroethane
Concen: 2.297 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

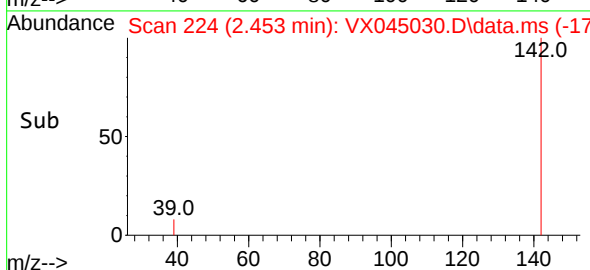
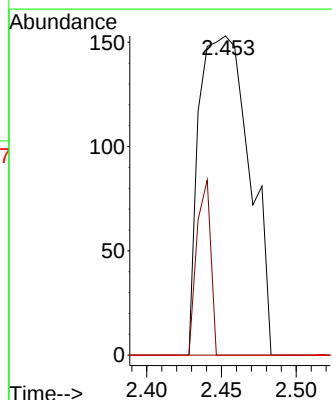
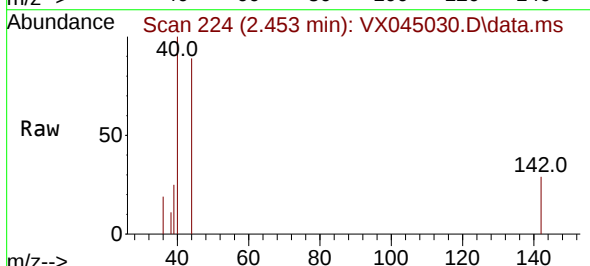
Instrument :
MSVOA_X
ClientSampleId :
VX0225MBL01

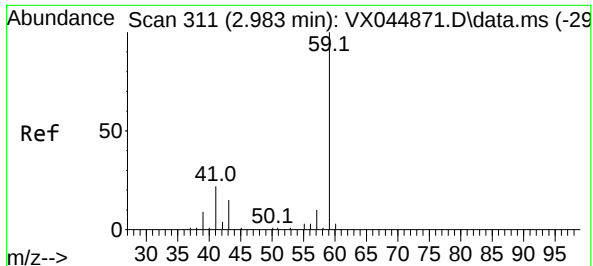
Tgt Ion: 64 Resp: 588
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#10
Methyl Iodide
Concen: 0.285 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

Tgt Ion: 142 Resp: 359
Ion Ratio Lower Upper
142 100
127 15.3 34.3 51.5#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 4.191 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.042 min

Lab File: VX045030.D

Acq: 25 Feb 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

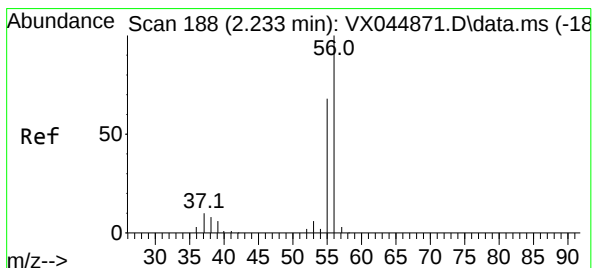
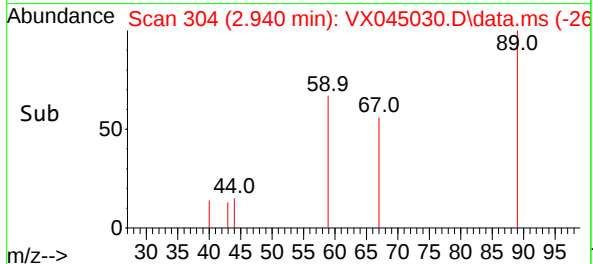
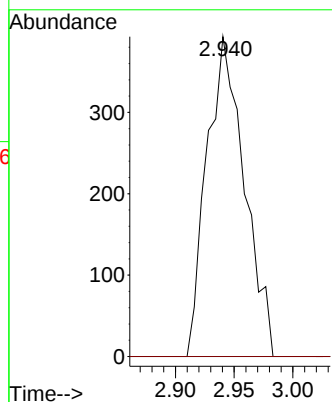
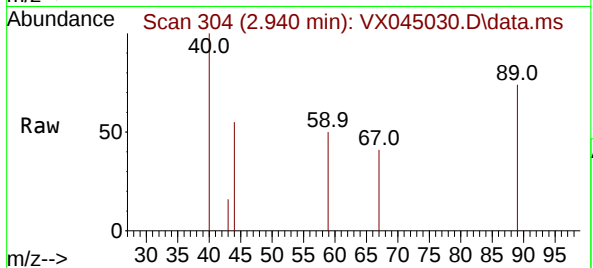
VX0225MBL01

Tgt Ion: 59 Resp: 875

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 1.318 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX045030.D

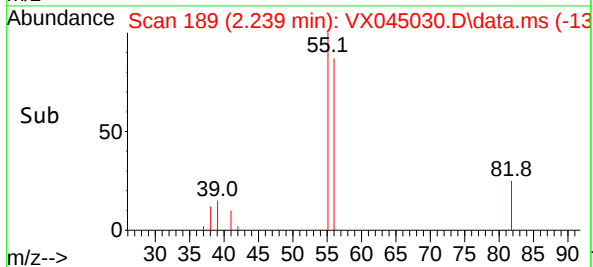
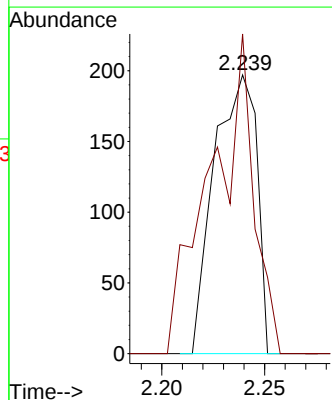
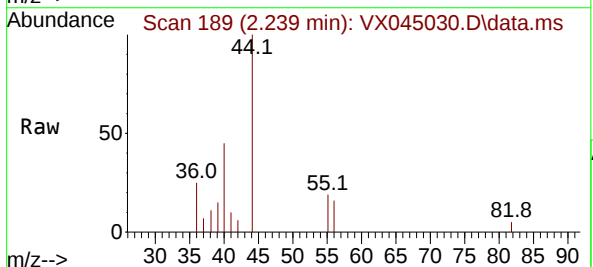
Acq: 25 Feb 2025 11:44

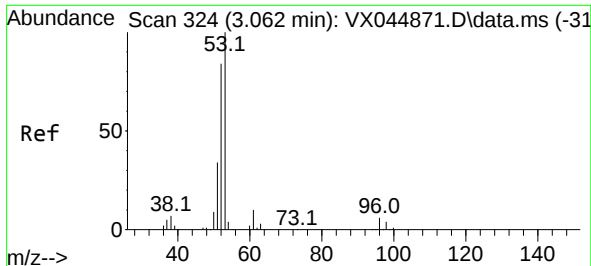
Tgt Ion: 56 Resp: 284

Ion Ratio Lower Upper

56 100

55 115.5 55.7 83.5#





#15

Acrylonitrile

Concen: 0.594 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.018 min

Lab File: VX045030.D

Acq: 25 Feb 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0225MBL01

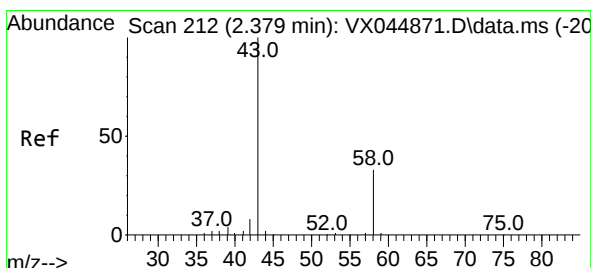
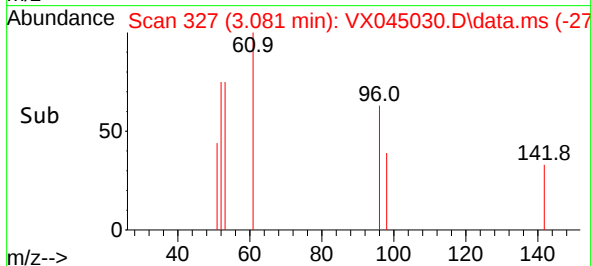
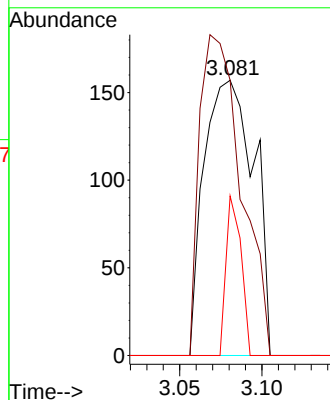
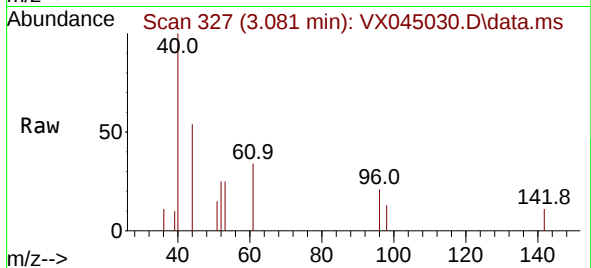
Tgt Ion: 53 Resp: 331

Ion Ratio Lower Upper

53 100

52 97.6 65.0 97.6#

51 17.5 28.0 42.0#



#16

Acetone

Concen: 1.160 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX045030.D

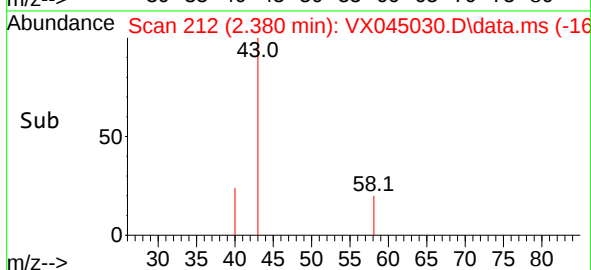
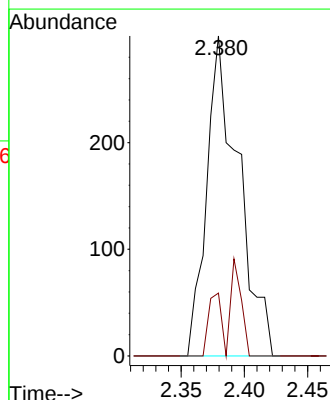
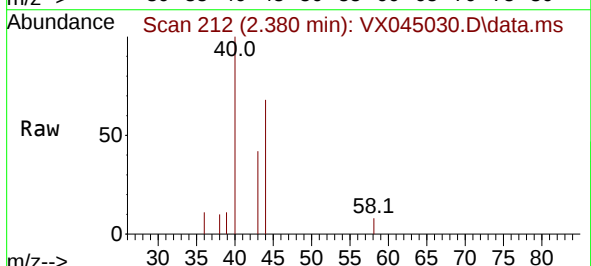
Acq: 25 Feb 2025 11:44

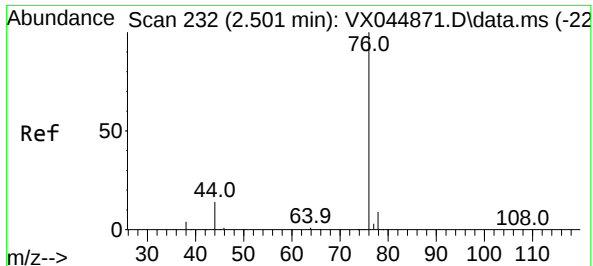
Tgt Ion: 43 Resp: 525

Ion Ratio Lower Upper

43 100

58 19.7 26.5 39.7#

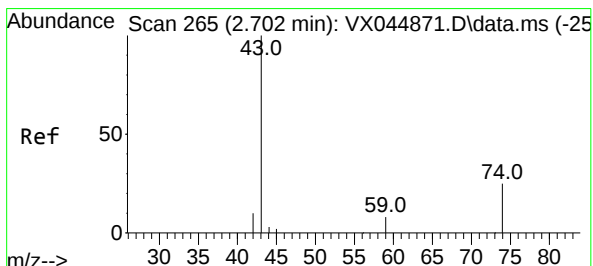
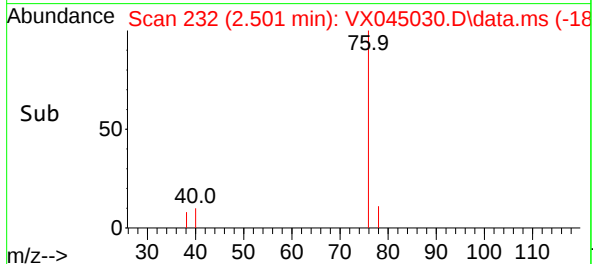
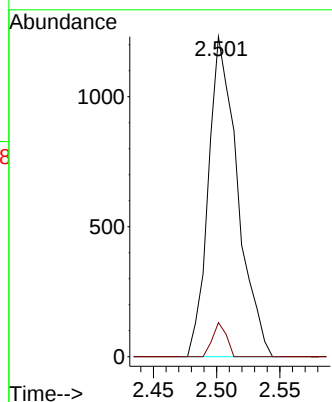
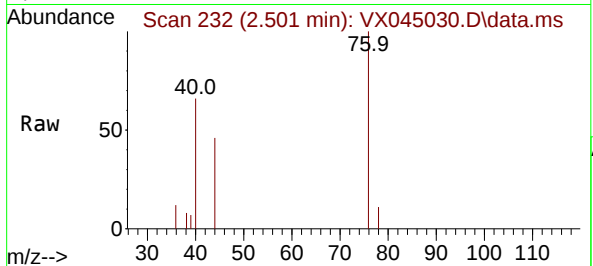




#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

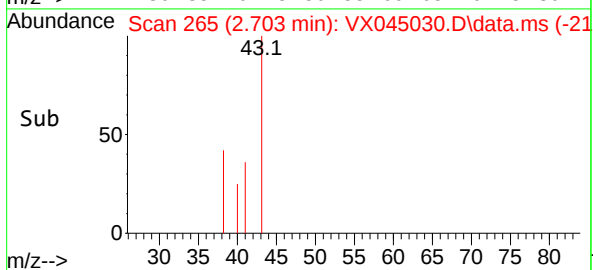
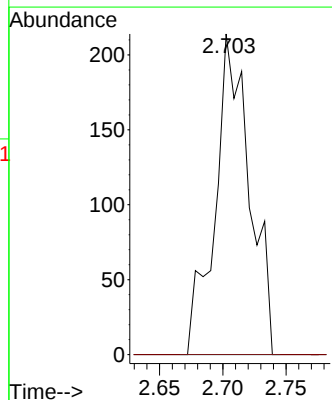
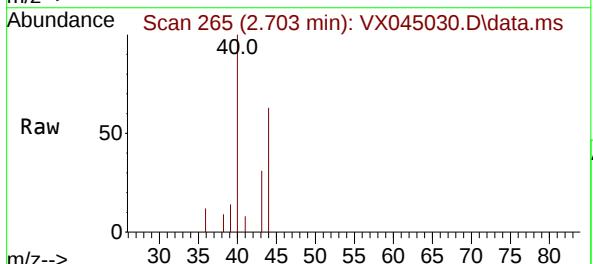
Instrument :
MSVOA_X
ClientSampleId :
VX0225MBL01

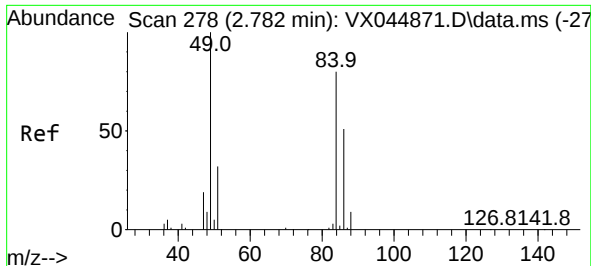
Tgt Ion: 76 Resp: 1978
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.4#



#18
Methyl Acetate
Concen: 0.285 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#

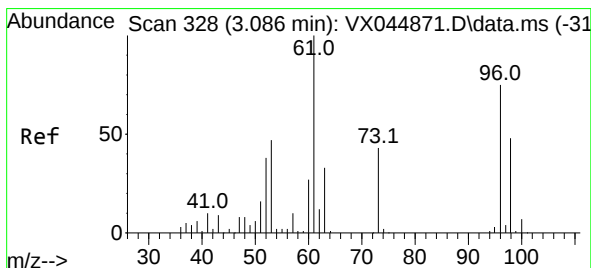
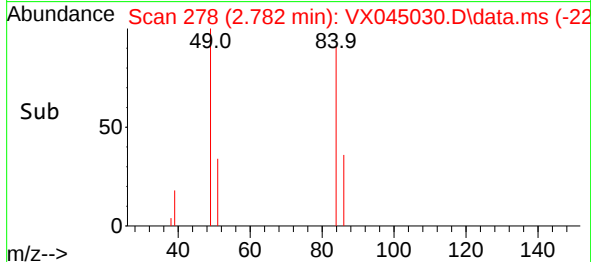
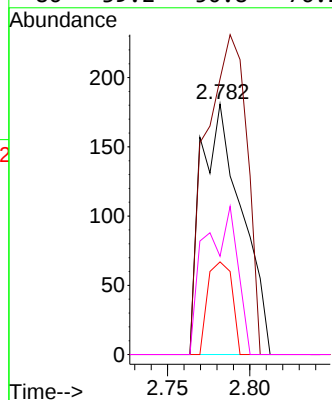
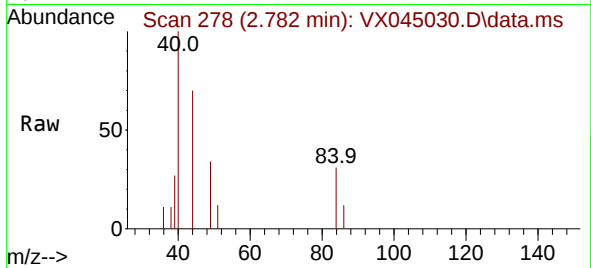




#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

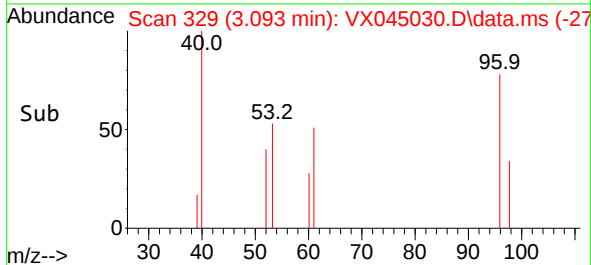
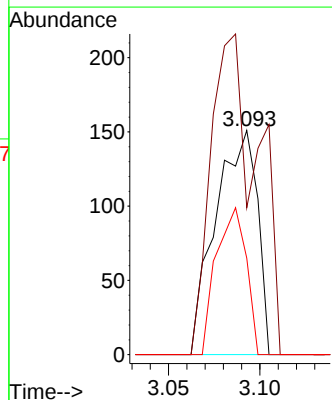
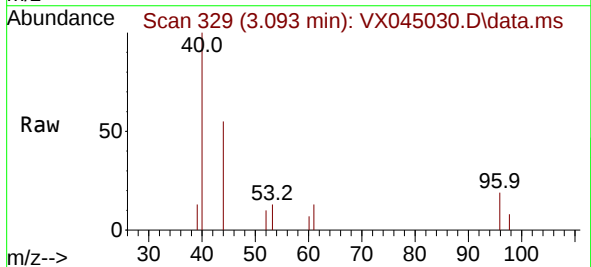
Instrument :
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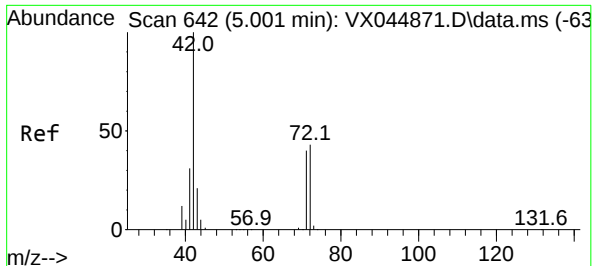
Tgt Ion:	84	Resp:	309
Ion	Ratio	Lower	Upper
84	100		
49	109.9	100.1	150.1
51	37.0	31.7	47.5
86	39.2	50.8	76.2



#21
trans-1,2-Dichloroethene
Concen: 0.246 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

Tgt Ion:	96	Resp:	240
Ion	Ratio	Lower	Upper
96	100		
61	65.6	106.0	159.0
98	43.0	50.6	76.0





#29

Tetrahydrofuran

Concen: 0.291 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX045030.D

Acq: 25 Feb 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0225MBL01

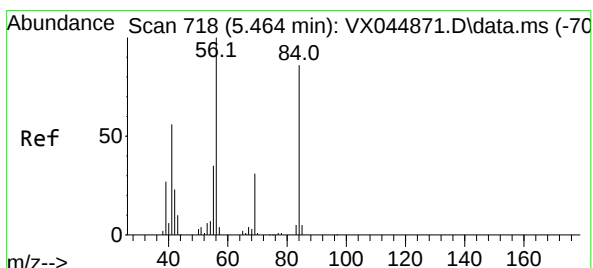
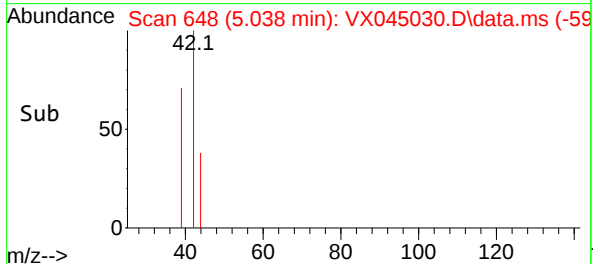
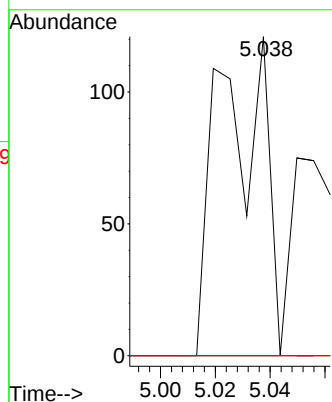
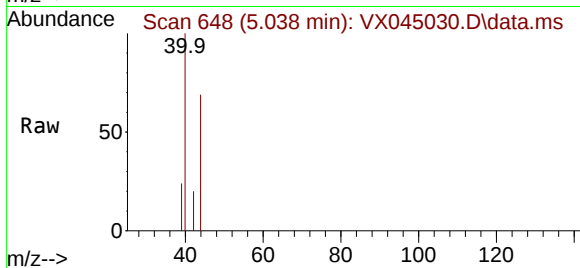
Tgt Ion: 42 Resp: 142

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 0.0 32.6 48.8#



#31

Cyclohexane

Concen: 1.084 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045030.D

Acq: 25 Feb 2025 11:44

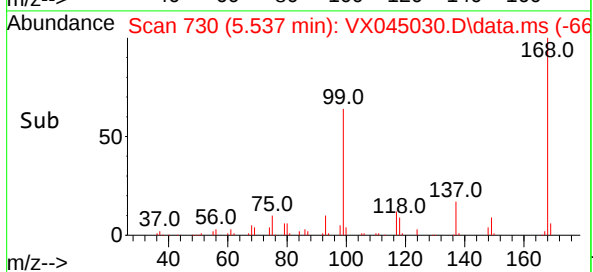
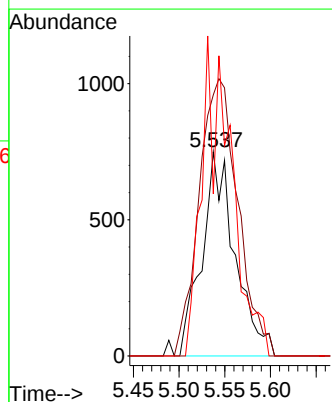
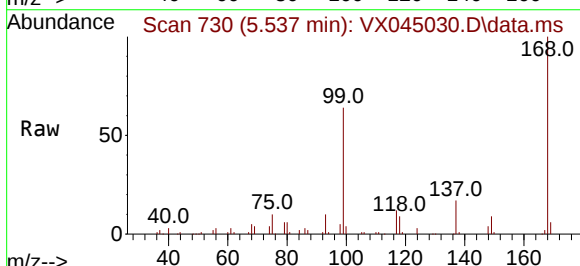
Tgt Ion: 56 Resp: 1894

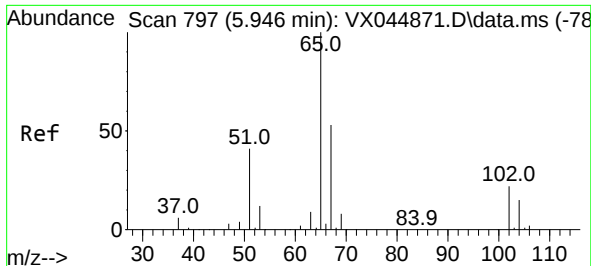
Ion Ratio Lower Upper

56 100

69 128.0 24.4 36.6#

84 79.4 69.0 103.6

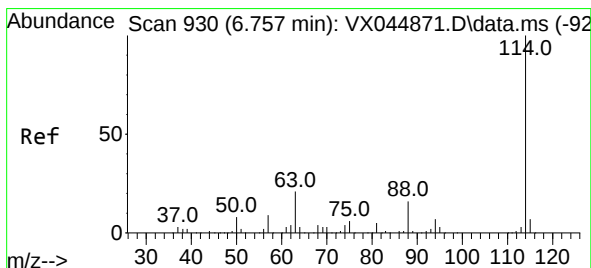
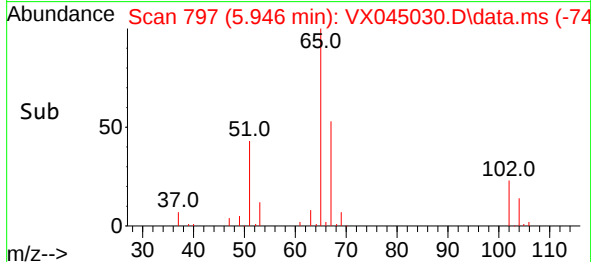
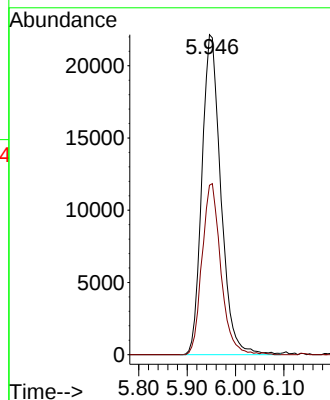
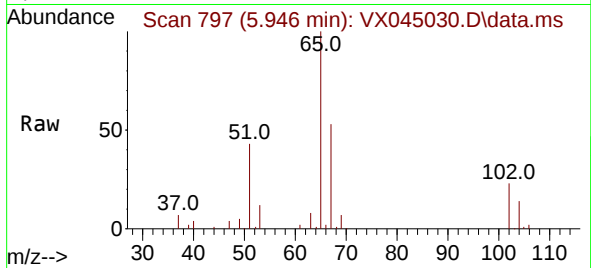




#33
 1,2-Dichloroethane-d4
 Concen: 53.695 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX045030.D
 Acq: 25 Feb 2025 11:44

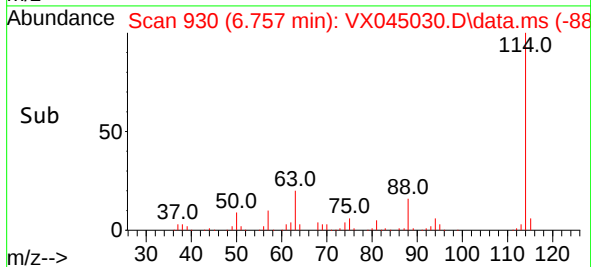
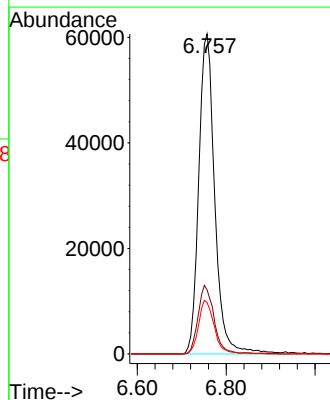
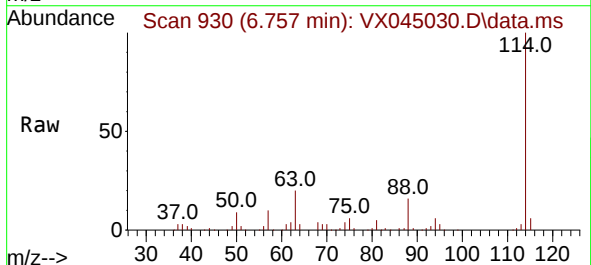
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225MBL01

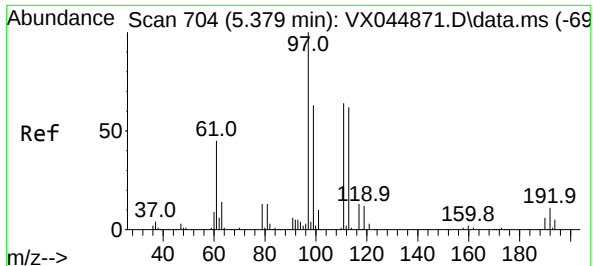
Tgt Ion: 65 Resp: 60431
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045030.D
 Acq: 25 Feb 2025 11:44

Tgt Ion: 114 Resp: 151709
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 16.0 0.0 31.4

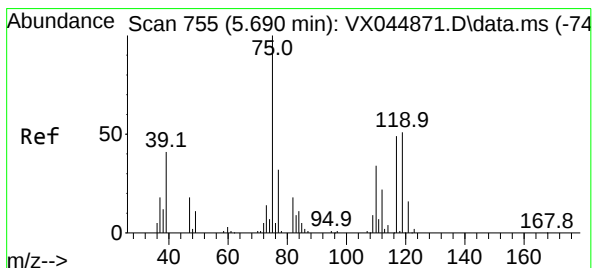
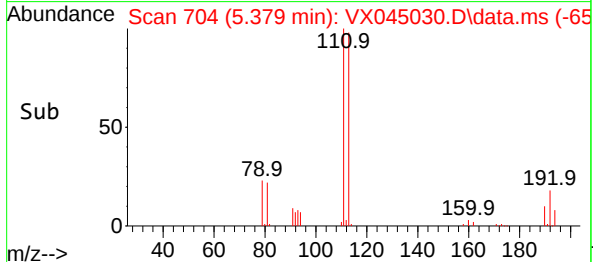
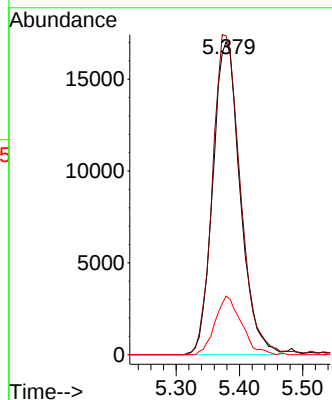
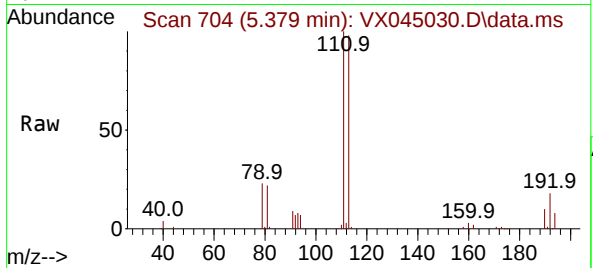




#35
Dibromofluoromethane
Concen: 51.785 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

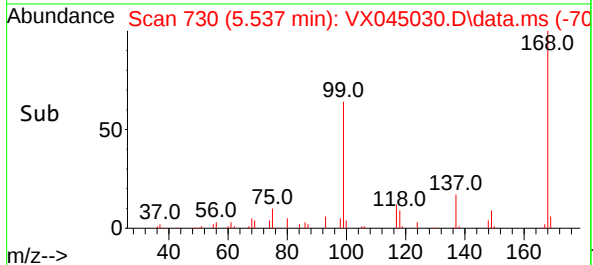
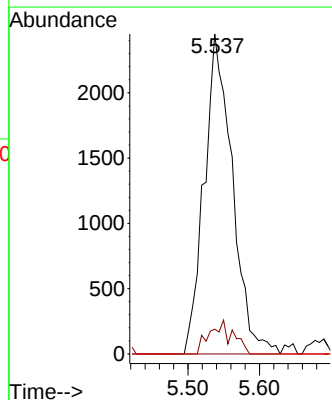
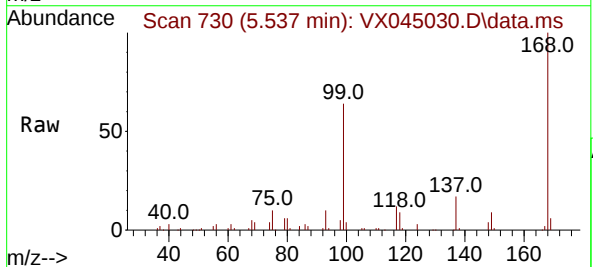
Instrument :
MSVOA_X
ClientSampleId :
VX0225MBL01

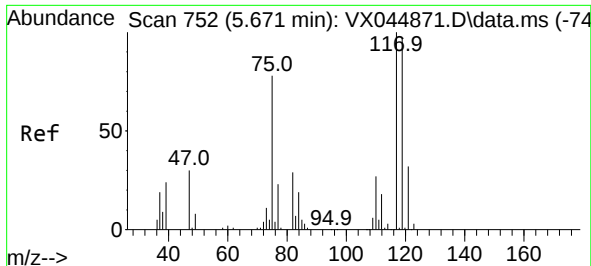
Tgt Ion:113 Resp: 51079
Ion Ratio Lower Upper
113 100
111 104.0 83.5 125.3
192 17.9 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.700 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

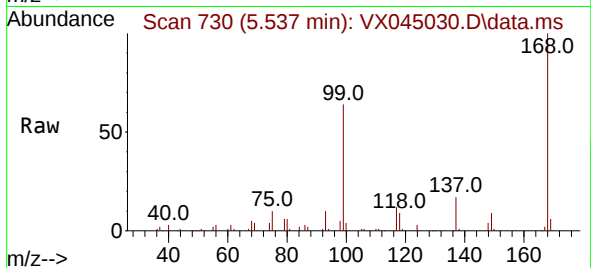
Tgt Ion: 75 Resp: 6688
Ion Ratio Lower Upper
75 100
110 8.6 17.2 51.6#
77 0.0 24.6 37.0#



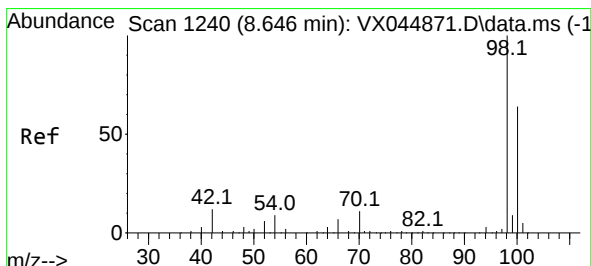
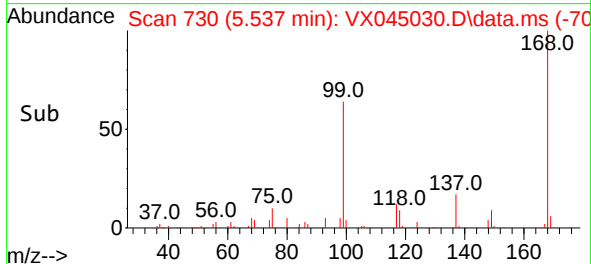
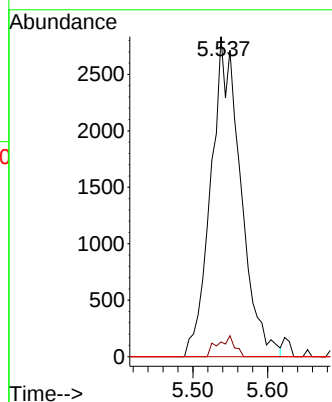


#38
Carbon Tetrachloride
Concen: 5.646 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0225MBL01

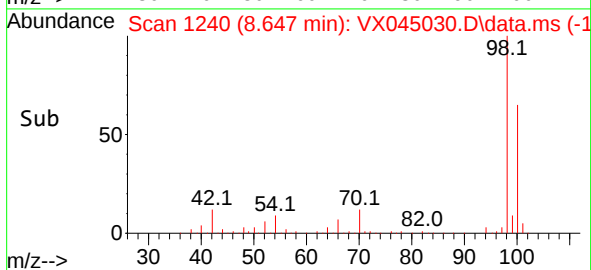
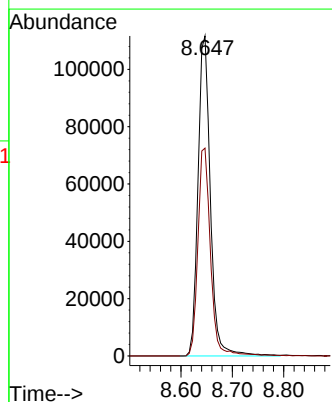
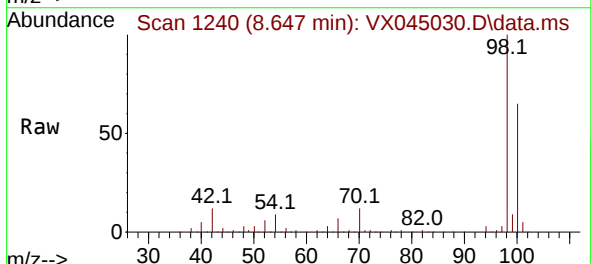


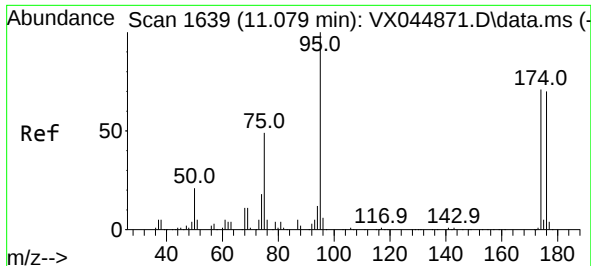
Tgt Ion:117 Resp: 7874
Ion Ratio Lower Upper
117 100
119 4.6 77.5 116.3#
121 0.0 25.6 38.4#



#50
Toluene-d8
Concen: 50.040 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

Tgt Ion: 98 Resp: 186639
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 51.400 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045030.D

Acq: 25 Feb 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0225MBL01

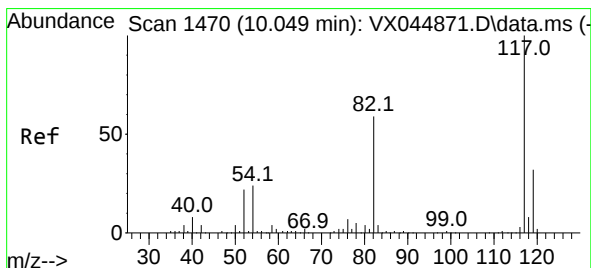
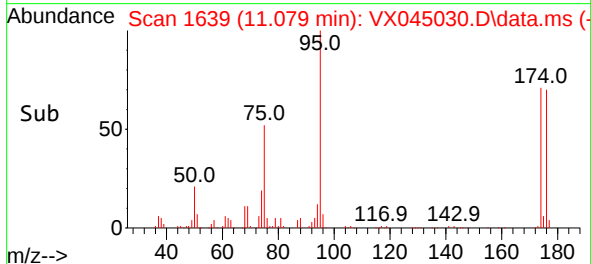
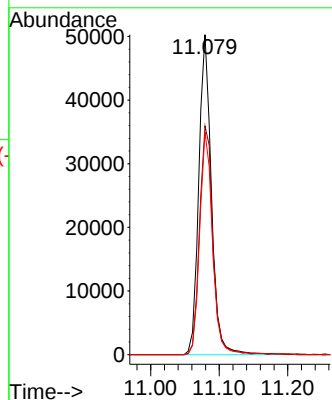
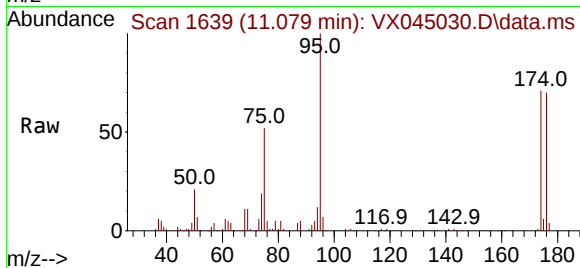
Tgt Ion: 95 Resp: 64630

Ion Ratio Lower Upper

95 100

174 76.0 0.0 142.6

176 70.3 0.0 141.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045030.D

Acq: 25 Feb 2025 11:44

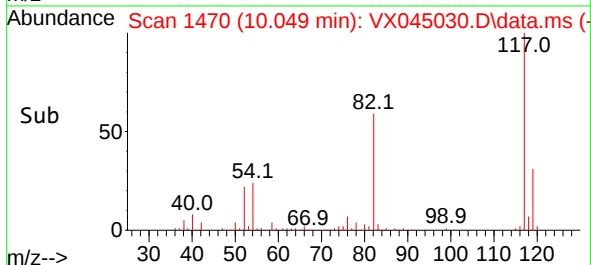
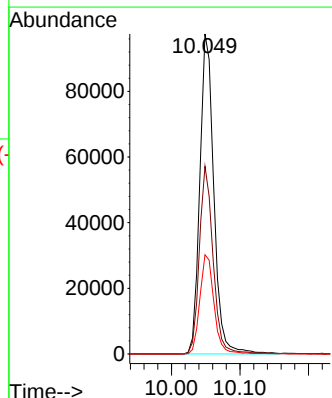
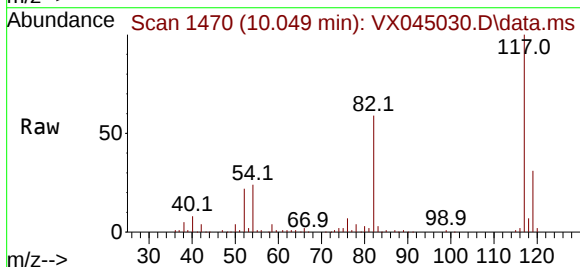
Tgt Ion: 117 Resp: 139213

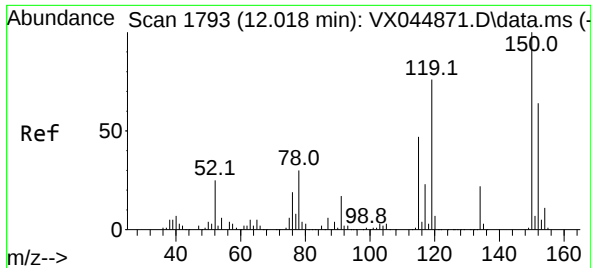
Ion Ratio Lower Upper

117 100

82 58.7 47.5 71.3

119 31.0 25.4 38.0

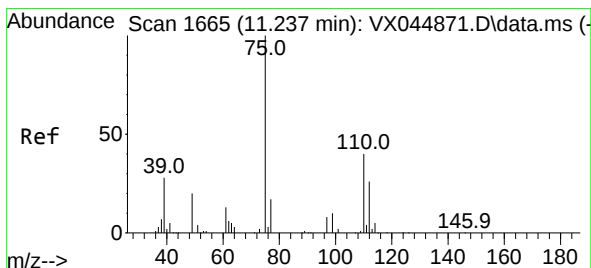
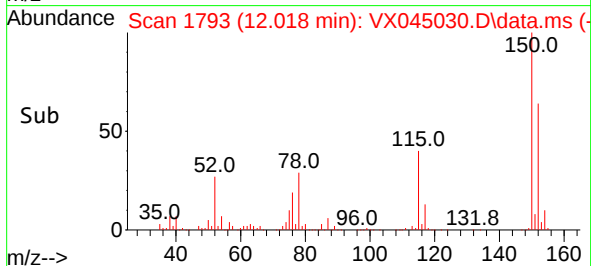
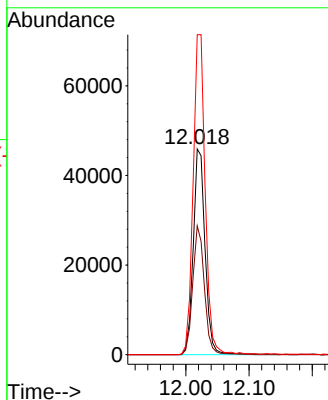
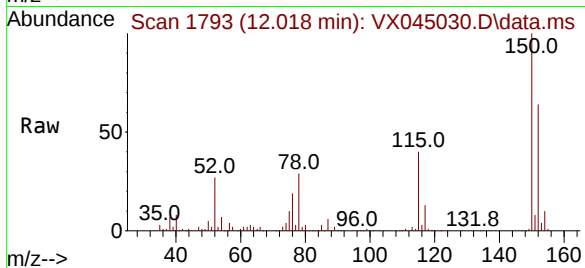




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX045030.D
 Acq: 25 Feb 2025 11:44

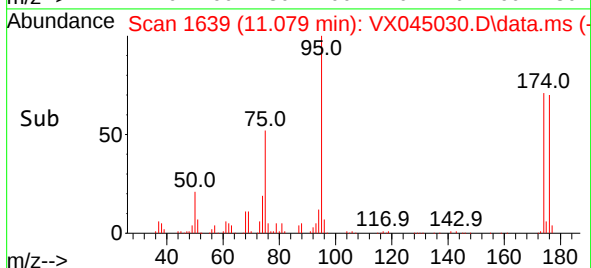
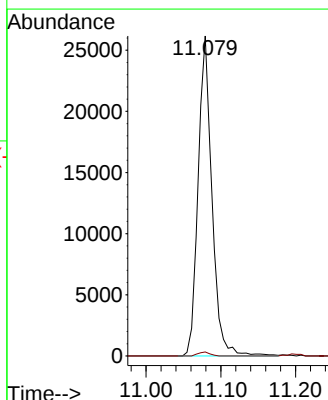
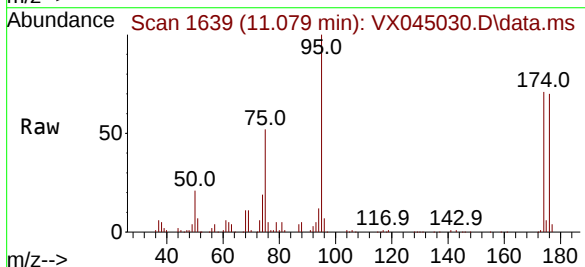
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225MBL01

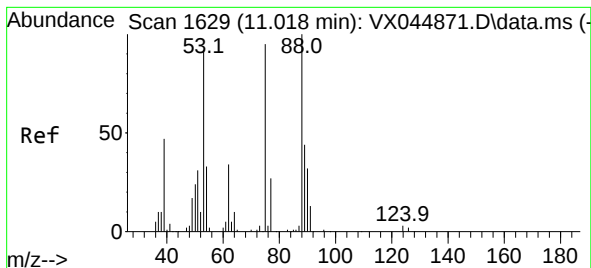
Tgt Ion:152 Resp: 59840
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.4 130.1
 150 159.2 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 25.358 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX045030.D
 Acq: 25 Feb 2025 11:44

Tgt Ion: 75 Resp: 33644
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.9 65.7#

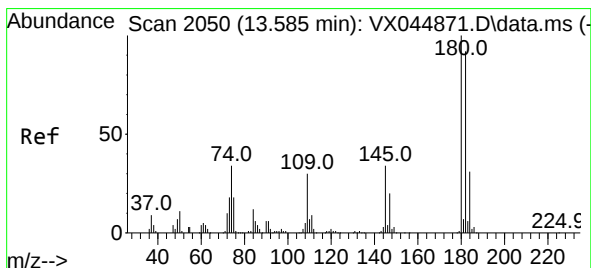
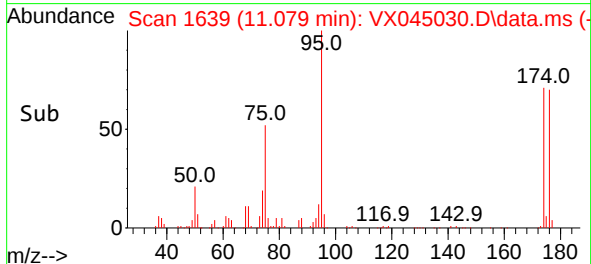
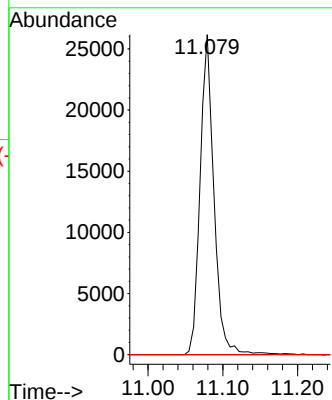
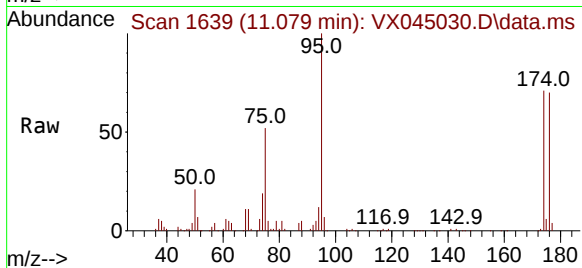




#81
trans-1,4-Dichloro-2-butene
Concen: 65.231 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

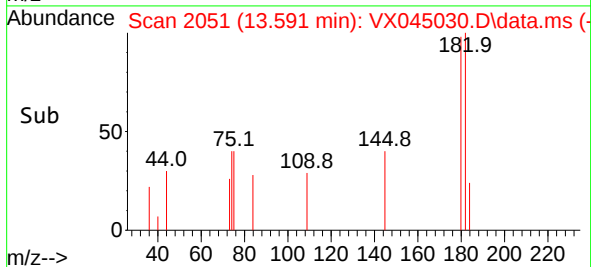
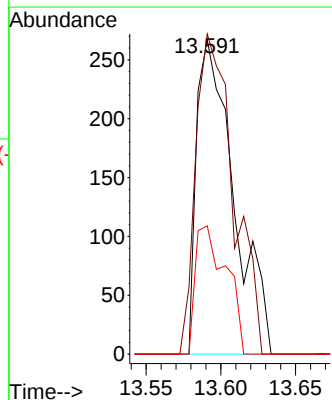
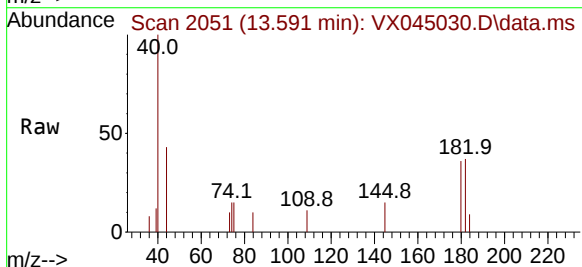
Instrument :
MSVOA_X
ClientSampleId :
VX0225MBL01

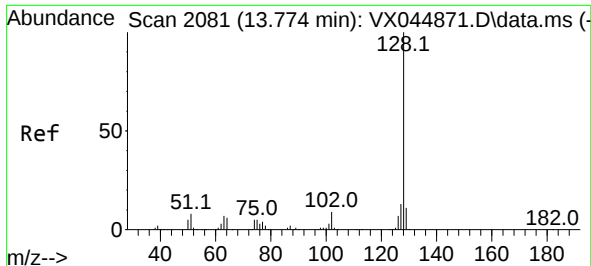
Tgt Ion: 75 Resp: 33644
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.387 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

Tgt Ion: 180 Resp: 462
Ion Ratio Lower Upper
180 100
182 103.0 47.6 142.8
145 33.8 16.4 49.1

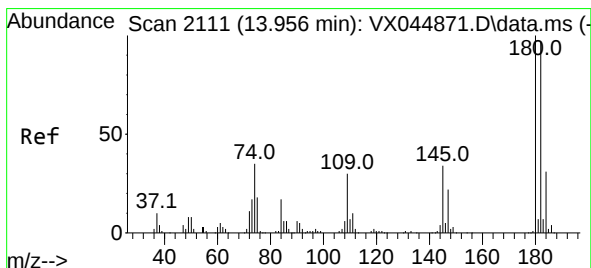
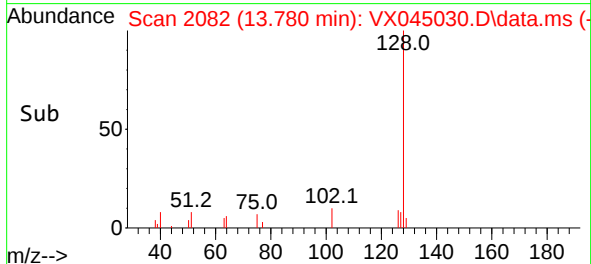
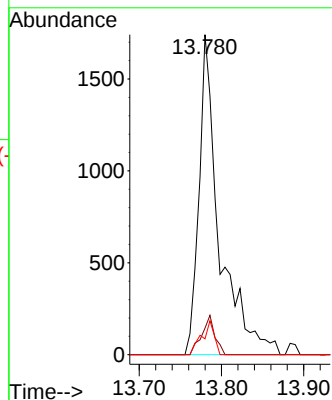
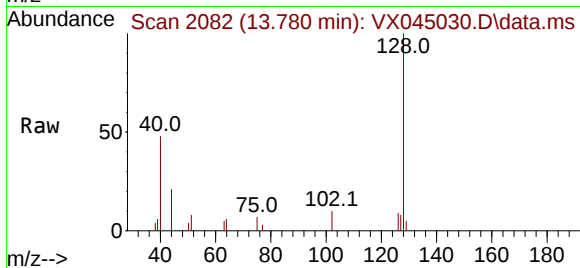




#95
Naphthalene
Concen: 0.696 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0225MBL01

Tgt Ion:128 Resp: 3005
Ion Ratio Lower Upper
128 100
127 7.9 10.1 15.1#
129 6.4 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 0.423 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045030.D
Acq: 25 Feb 2025 11:44

Tgt Ion:180 Resp: 509
Ion Ratio Lower Upper
180 100
182 117.1 47.9 143.6
145 28.1 17.1 51.3

