

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044726.D
 Acq On : 27 Jan 2025 16:04
 Operator : JC/MD
 Sample : Q1169-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 04:14:33 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)

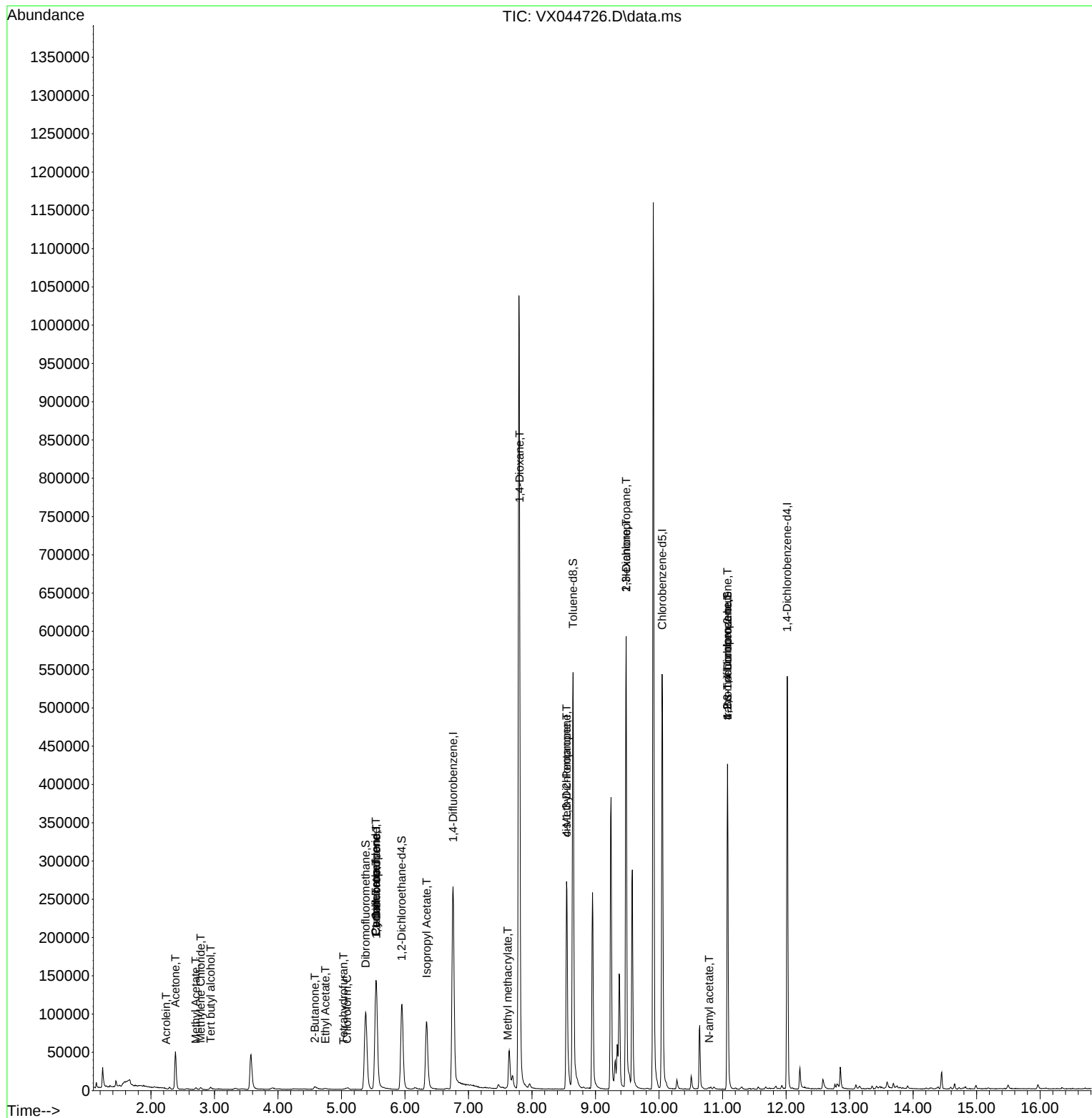
Internal Standards						
1) Pentafluorobenzene	5.544	168	141001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	286144	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	250593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	106831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	105047	49.357	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.720%
35) Dibromofluoromethane	5.379	113	91548	50.361	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.720%
50) Toluene-d8	8.647	98	345312	54.479	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.960%
62) 4-Bromofluorobenzene	11.079	95	119925	50.754	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.500%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	1787	3.766	ug/l #	85
13) Acrolein	2.239	56	295	1.321	ug/l #	15
16) Acetone	2.386	43	53631	63.691	ug/l	99
18) Methyl Acetate	2.703	43	2853	1.098	ug/l	96
20) Methylene Chloride	2.782	84	1371	0.699	ug/l	96
25) 2-Butanone	4.580	43	7123	5.689	ug/l	94
29) Tetrahydrofuran	5.032	42	798	0.988	ug/l #	30
30) Chloroform	5.086	83	2537	0.759	ug/l	89
31) Cyclohexane	5.544	56	3162	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11961	4.727	ug/l #	49
37) Ethyl Acetate	4.745	43	2122	0.787	ug/l #	91
38) Carbon Tetrachloride	5.544	117	14496	5.093	ug/l #	17
43) Isopropyl Acetate	6.342	43	129831	26.190	ug/l	99
48) Methyl methacrylate	7.616	41	4124	1.792	ug/l #	13
49) 1,4-Dioxane	7.805	88	47	0.979	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	104428	38.119	ug/l #	46
54) cis-1,3-Dichloropropene	8.543	75	49485	14.335	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	5444	1.646	ug/l #	42
59) 2-Hexanone	9.482	43	75479	37.449	ug/l #	50
74) N-amyl acetate	10.787	43	1362	0.317	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	59707	23.029	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	59707	52.665	ug/l #	12

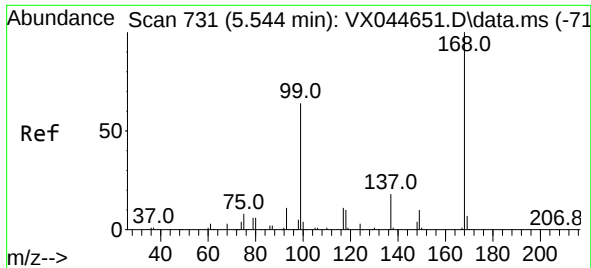
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration

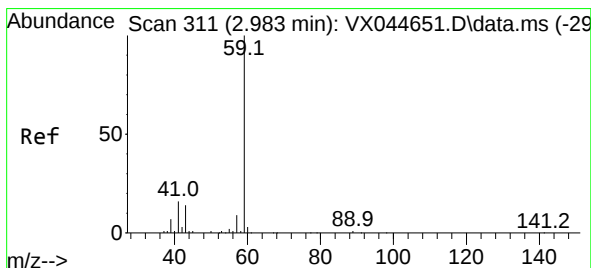
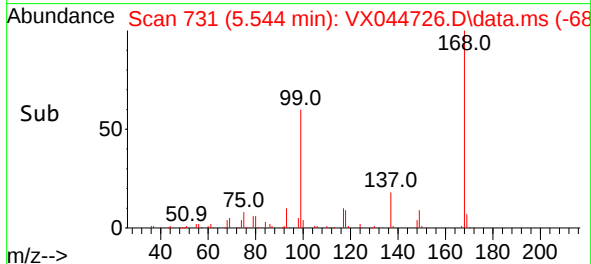
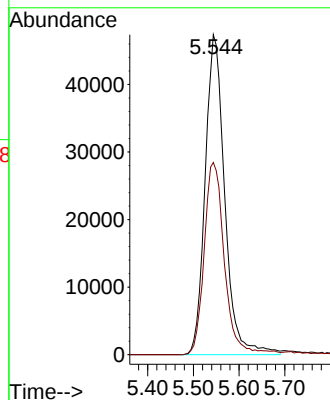
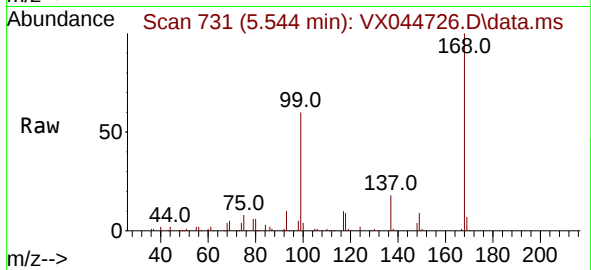




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

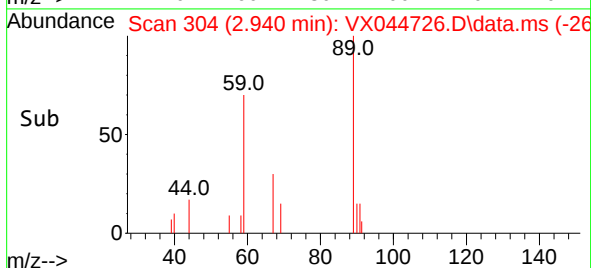
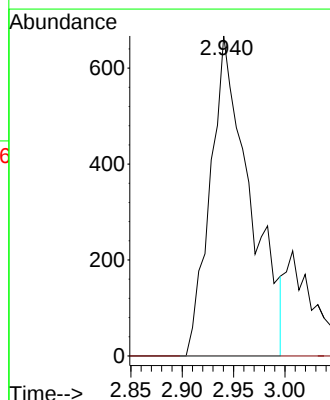
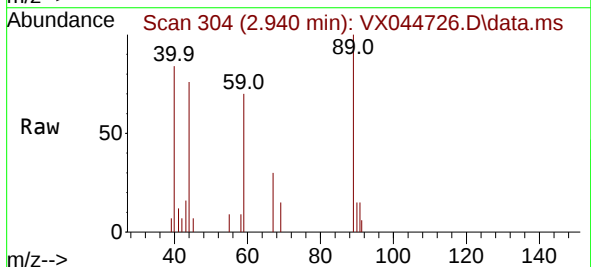
Instrument :
MSVOA_X
ClientSampleId :

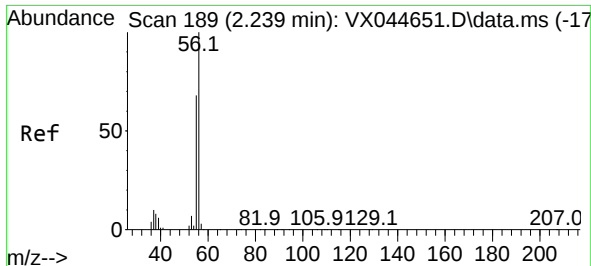
Tgt Ion:168 Resp: 141001
Ion Ratio Lower Upper
168 100
99 60.0 51.1 76.7



#11
Tert butyl alcohol
Concen: 3.766 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

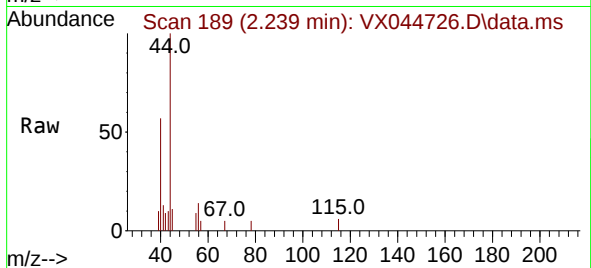
Tgt Ion: 59 Resp: 1787
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#



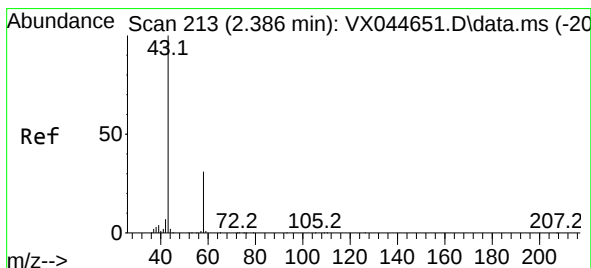
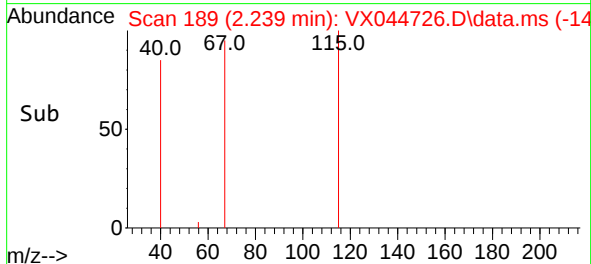
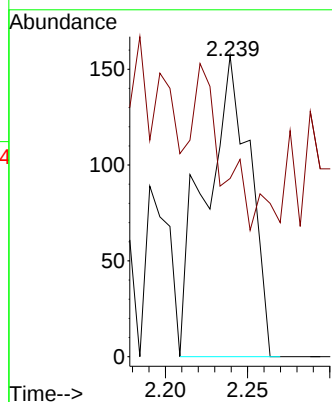


#13
Acrolein
Concen: 1.321 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :

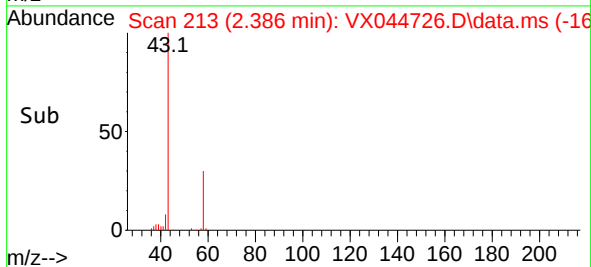
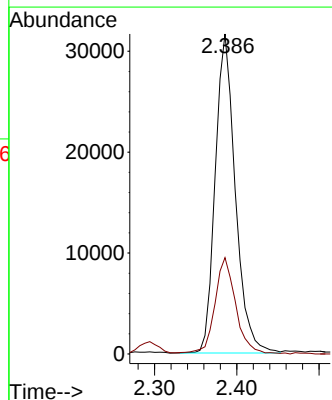
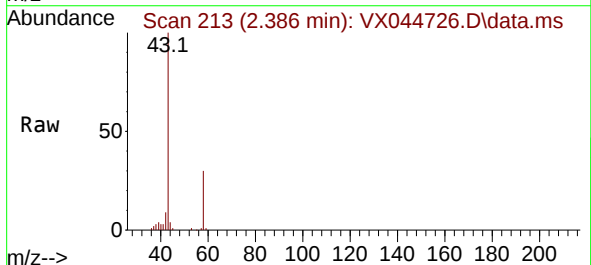


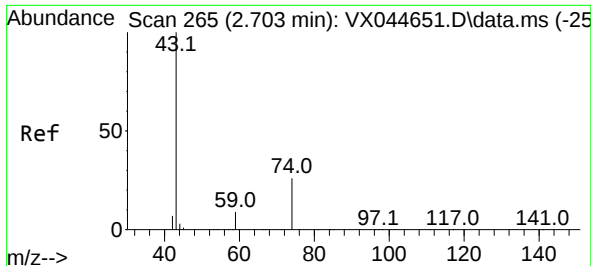
Tgt Ion: 56 Resp: 295
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: 63.691 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

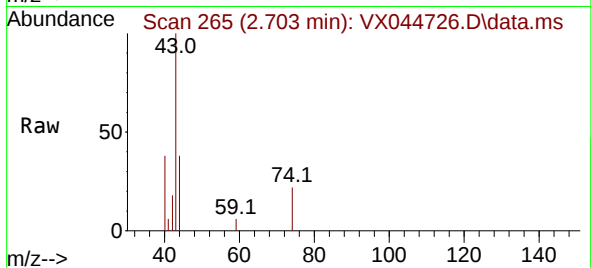
Tgt Ion: 43 Resp: 53631
Ion Ratio Lower Upper
43 100
58 30.0 24.6 37.0



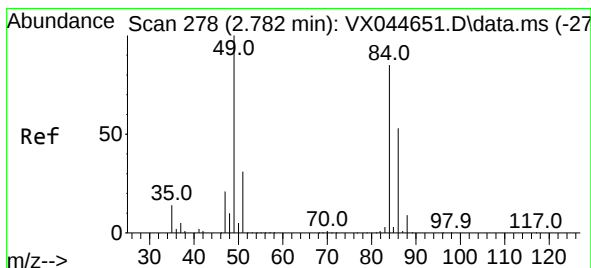
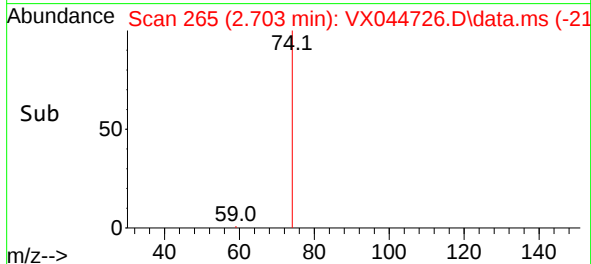
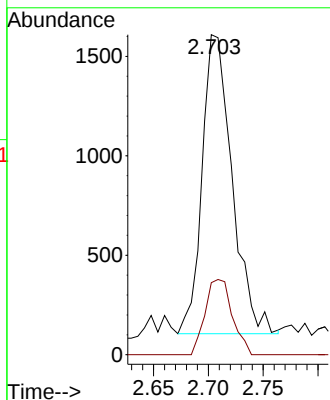


#18
Methyl Acetate
Concen: 1.098 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :

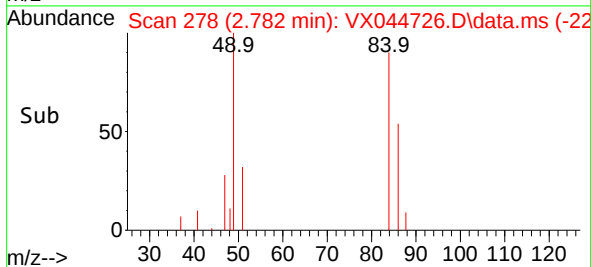
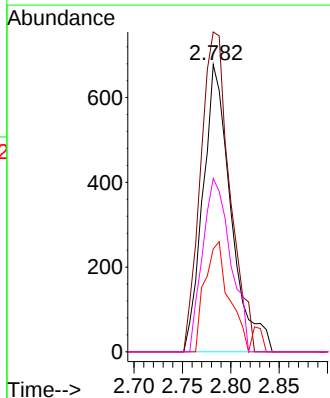
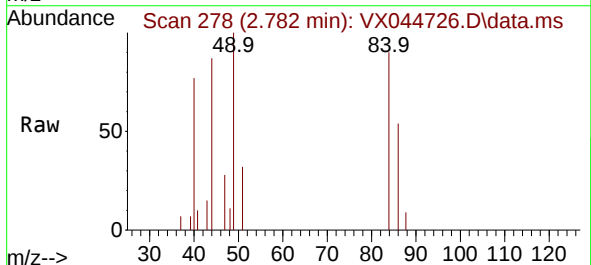


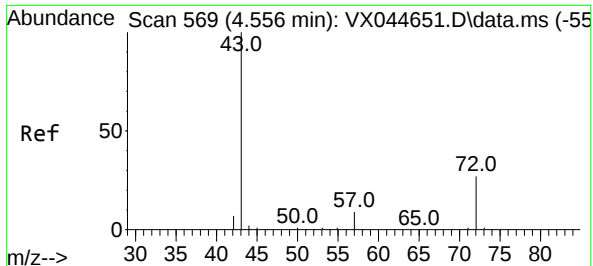
Tgt Ion: 43 Resp: 2853
Ion Ratio Lower Upper
43 100
74 22.8 19.8 29.8



#20
Methylene Chloride
Concen: 0.699 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

Tgt Ion: 84 Resp: 1371
Ion Ratio Lower Upper
84 100
49 111.4 94.2 141.4
51 35.8 28.8 43.2
86 60.3 50.3 75.5





#25

2-Butanone

Concen: 5.689 ug/l

RT: 4.580 min Scan# 5

Delta R.T. 0.024 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

Instrument :

MSVOA_X

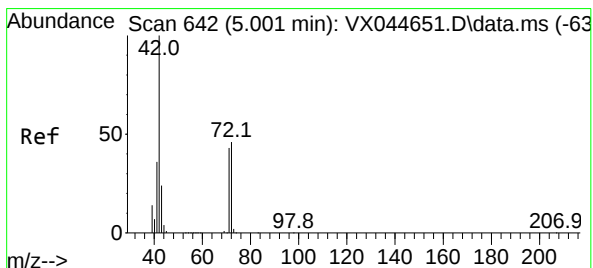
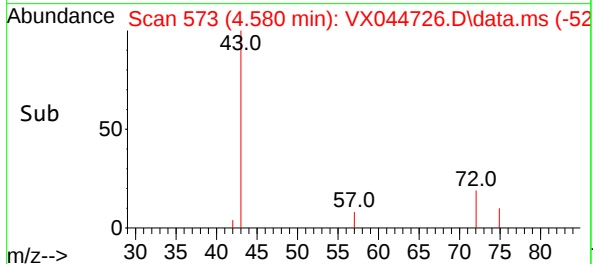
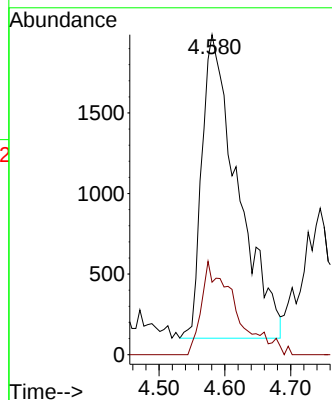
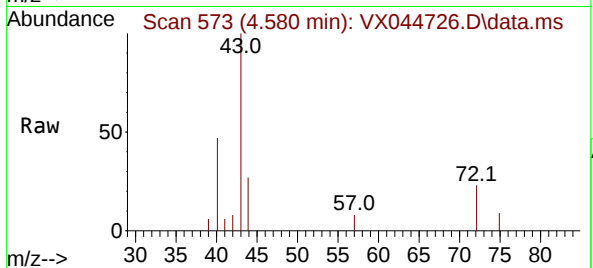
ClientSampleId :

Tgt Ion: 43 Resp: 7123

Ion Ratio Lower Upper

43 100

72 23.9 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.988 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.030 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

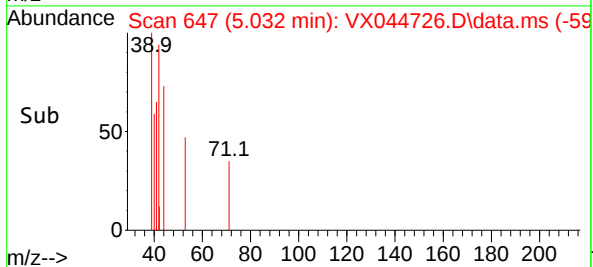
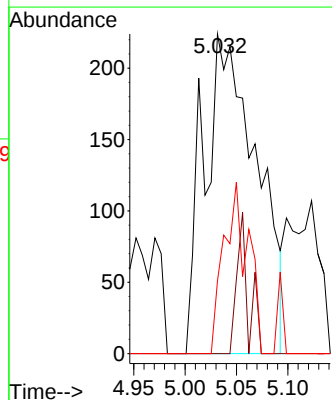
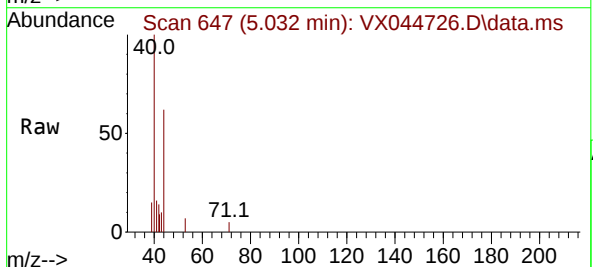
Tgt Ion: 42 Resp: 798

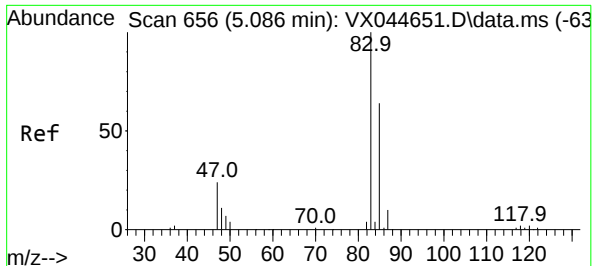
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.4#

71 0.0 35.3 52.9#





#30

Chloroform

Concen: 0.759 ug/l

RT: 5.086 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

Instrument :

MSVOA_X

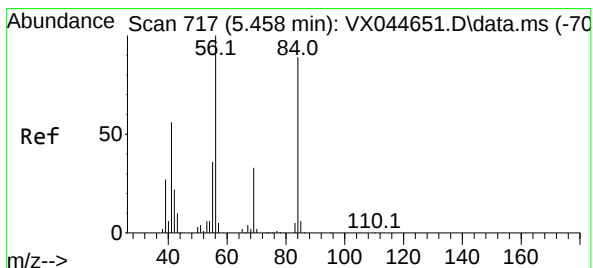
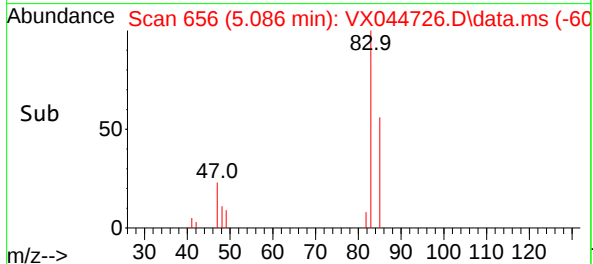
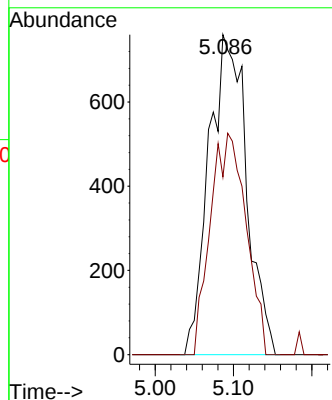
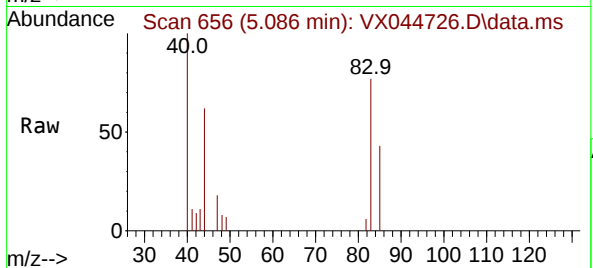
ClientSampleId :

Tgt Ion: 83 Resp: 2537

Ion Ratio Lower Upper

83 100

85 55.5 51.2 76.8



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

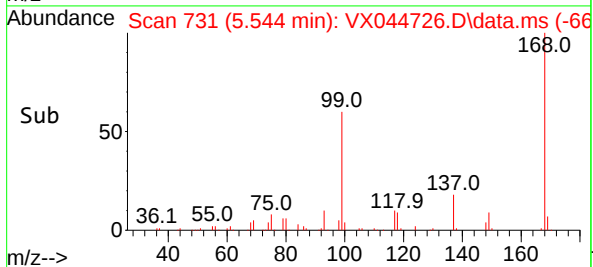
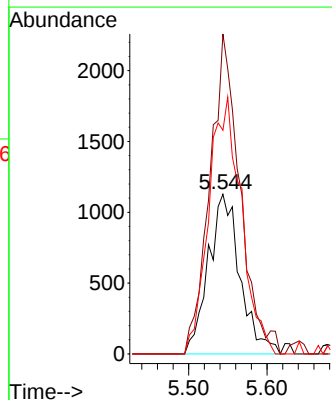
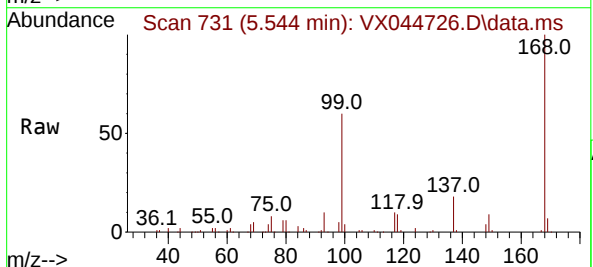
Tgt Ion: 56 Resp: 3162

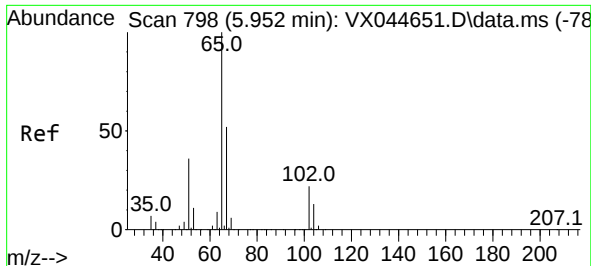
Ion Ratio Lower Upper

56 100

69 200.4 26.8 40.2#

84 140.1 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 49.357 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

Instrument :

MSVOA_X

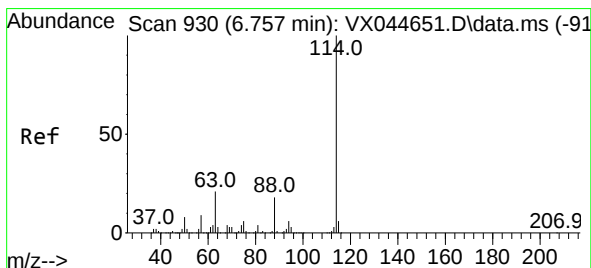
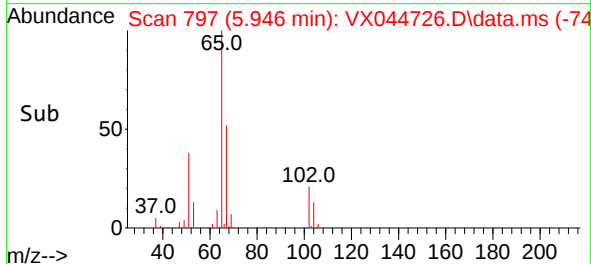
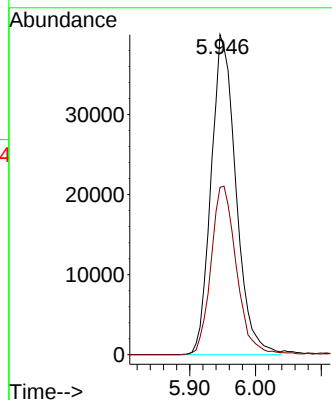
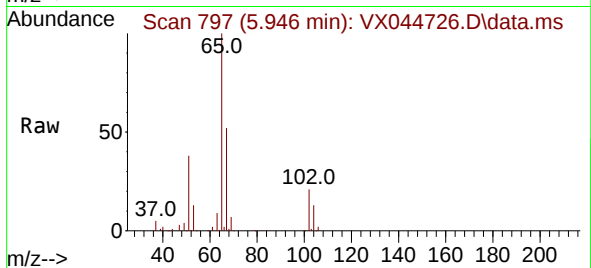
ClientSampleId :

Tgt Ion: 65 Resp: 105047

Ion Ratio Lower Upper

65 100

67 54.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

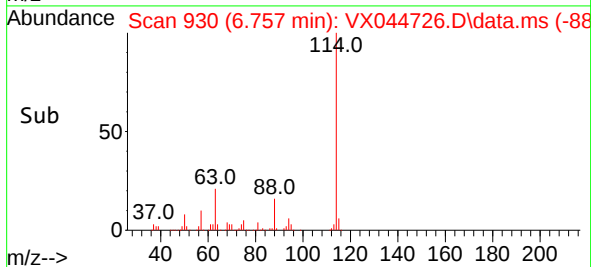
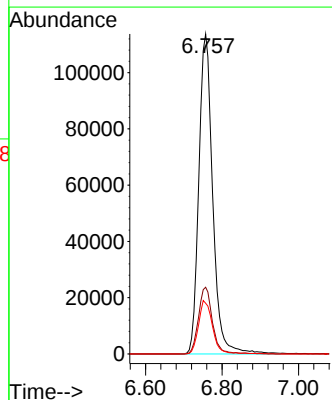
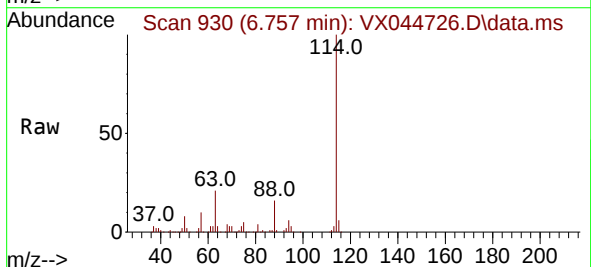
Tgt Ion: 114 Resp: 286144

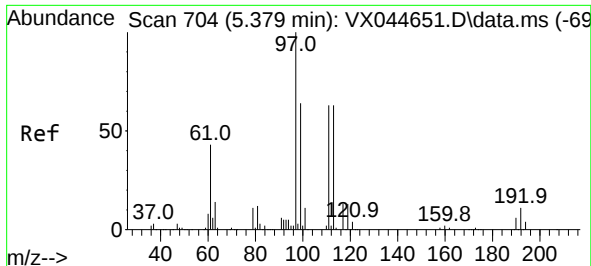
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.0

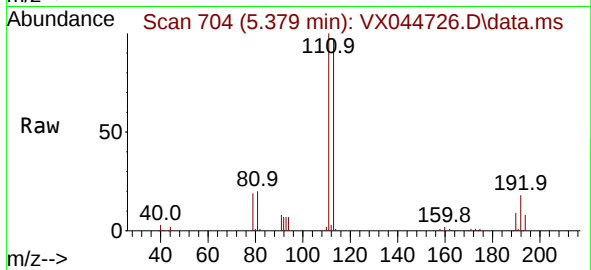
88 15.9 0.0 35.4



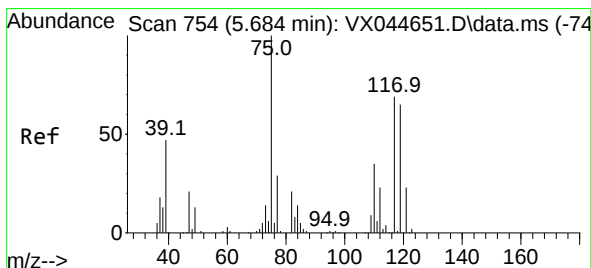
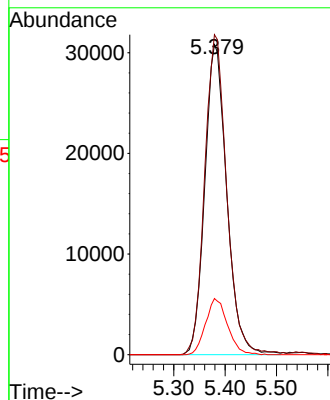
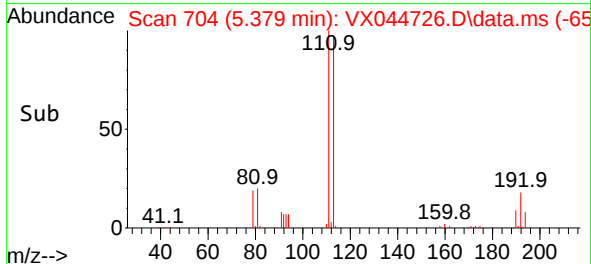


#35
Dibromofluoromethane
Concen: 50.361 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

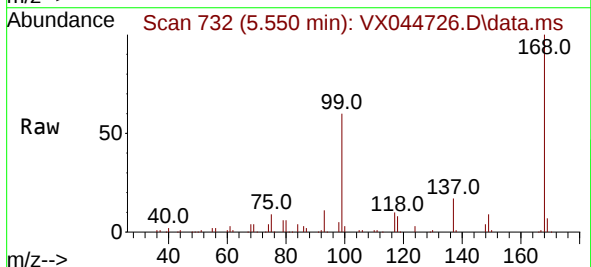
Instrument :
MSVOA_X
ClientSampleId :



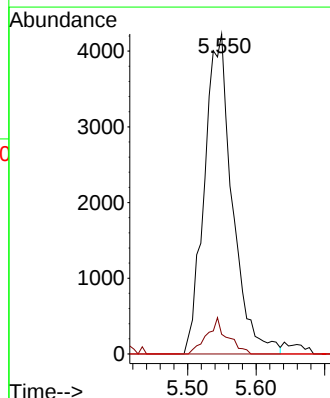
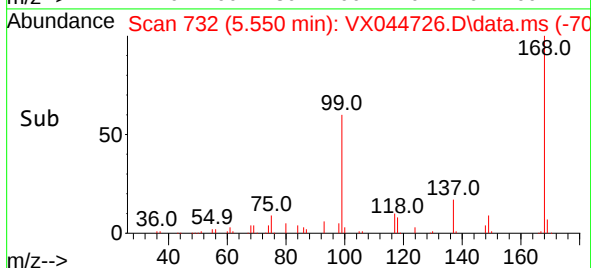
Tgt Ion:113 Resp: 91548
Ion Ratio Lower Upper
113 100
111 103.6 81.6 122.4
192 18.1 14.4 21.6

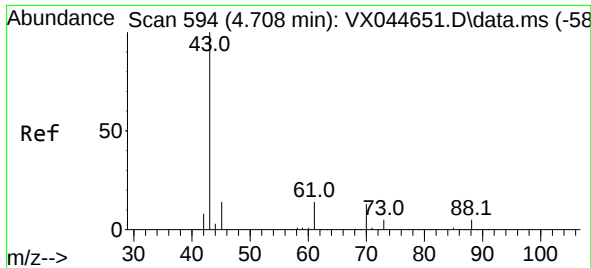


#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04



Tgt Ion: 75 Resp: 11961
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.8#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 0.787 ug/l

RT: 4.745 min Scan# 600

Delta R.T. 0.037 min

Lab File: VX044726.D

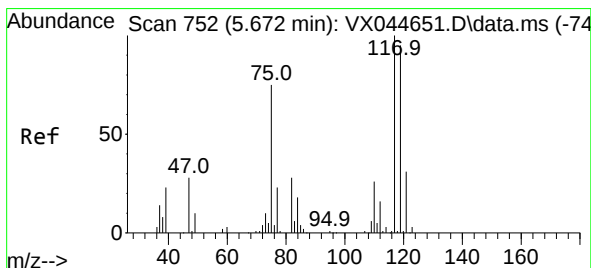
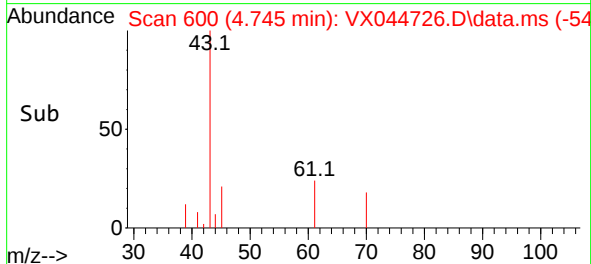
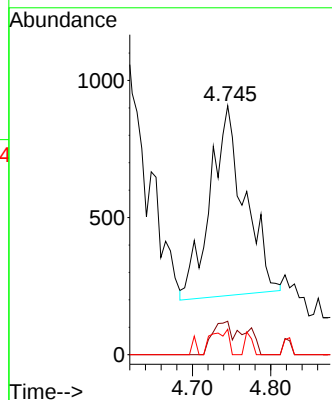
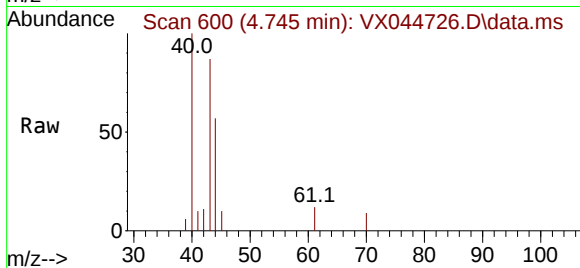
Acq: 27 Jan 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	2122
Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.9	16.3
70	6.6	10.1	15.1



#38

Carbon Tetrachloride

Concen: 5.093 ug/l

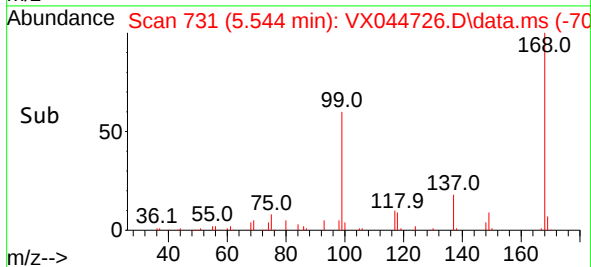
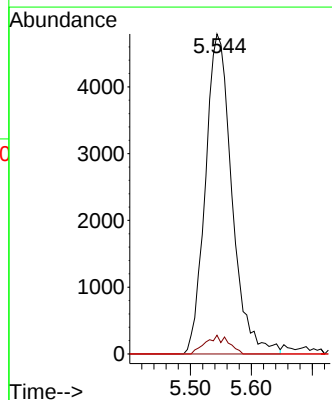
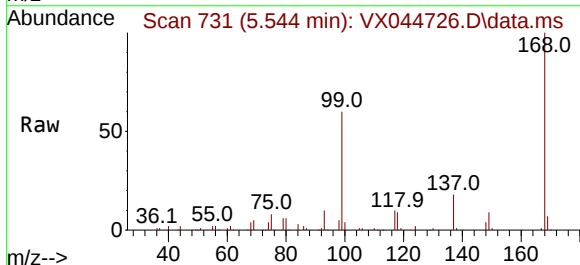
RT: 5.544 min Scan# 731

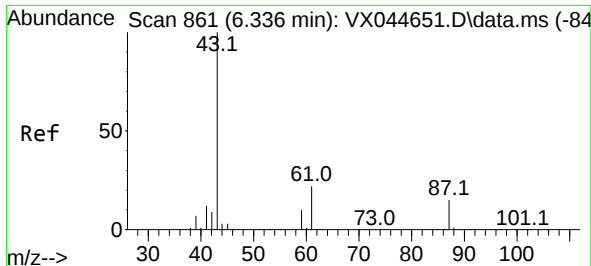
Delta R.T. -0.128 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

Tgt Ion:	117	Resp:	14496
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.0	114.0
121	0.0	24.6	36.8

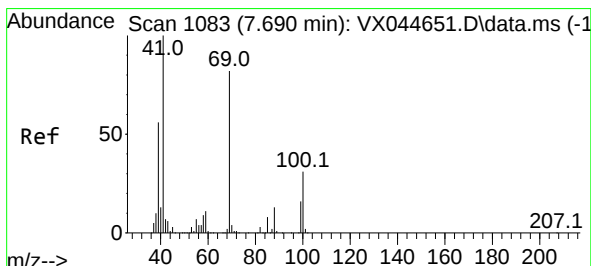
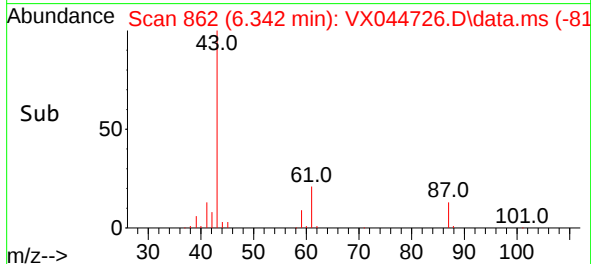
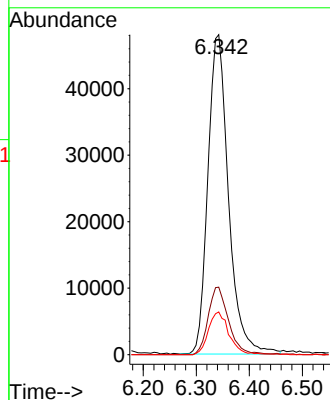
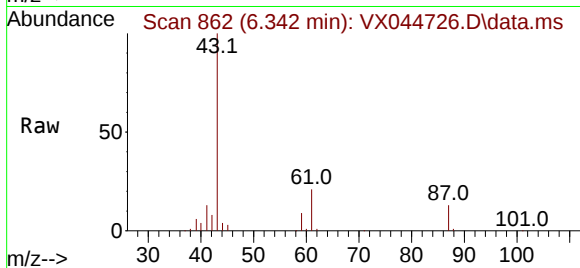




#43
Isopropyl Acetate
Concen: 26.190 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

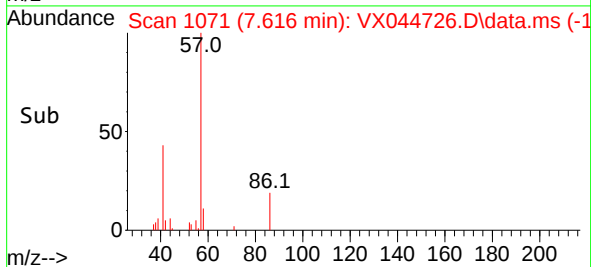
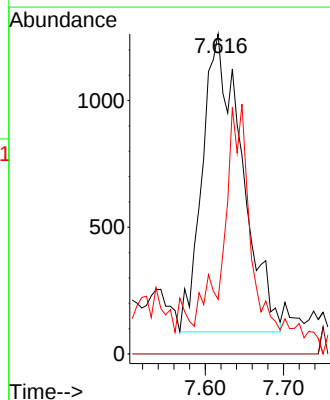
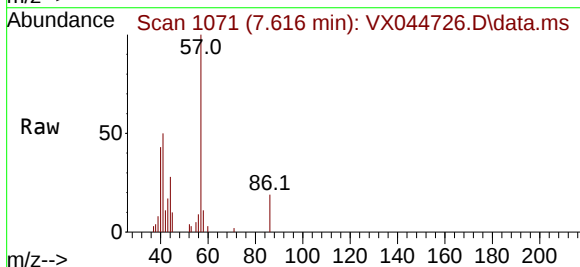
Instrument :
MSVOA_X
ClientSampleId :

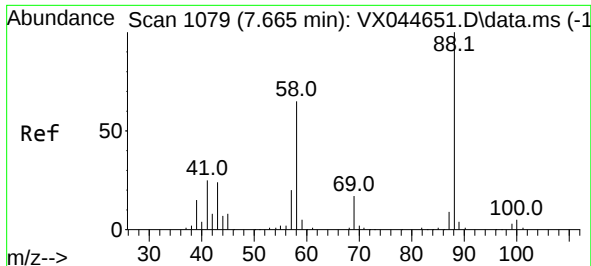
Tgt Ion: 43 Resp: 129831
Ion Ratio Lower Upper
43 100
61 20.9 16.6 24.8
87 13.4 11.0 16.6



#48
Methyl methacrylate
Concen: 1.792 ug/l
RT: 7.616 min Scan# 1071
Delta R.T. -0.073 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

Tgt Ion: 41 Resp: 4124
Ion Ratio Lower Upper
41 100
69 0.0 66.8 100.2#
39 0.0 47.4 71.0#





#49

1,4-Dioxane

Concen: 0.979 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

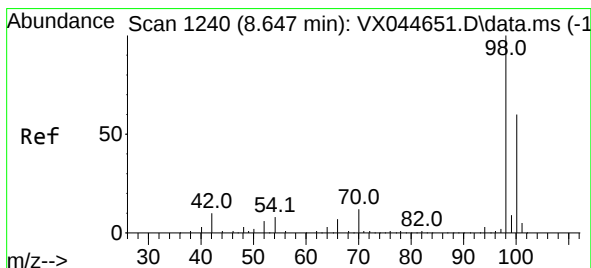
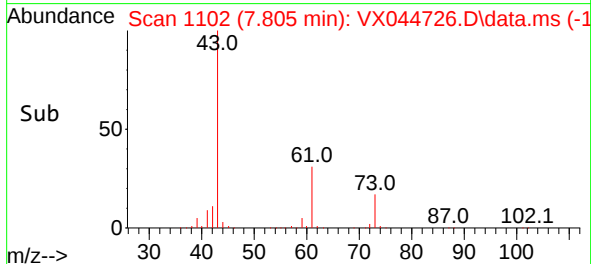
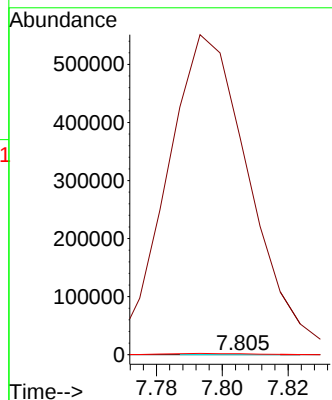
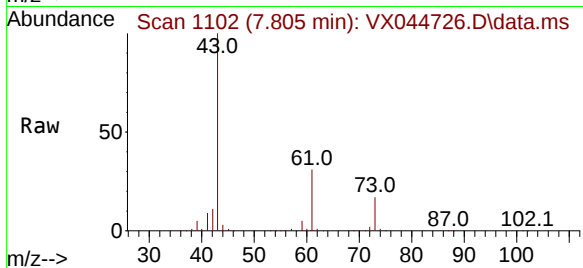
Tgt Ion: 88 Resp: 47

Ion Ratio Lower Upper

88 100

43 2122787.2 27.0 40.4#

58 8466.0 55.8 83.8#



#50

Toluene-d8

Concen: 54.479 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044726.D

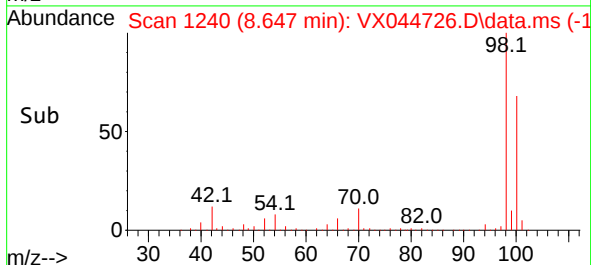
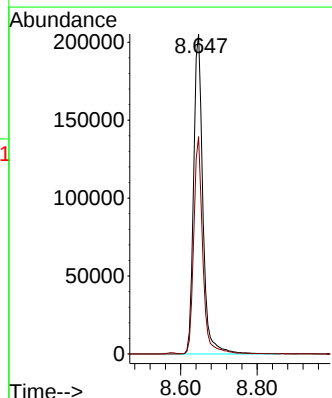
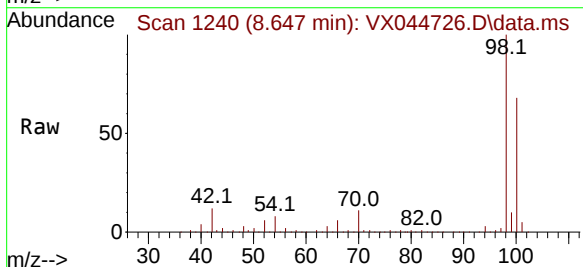
Acq: 27 Jan 2025 16:04

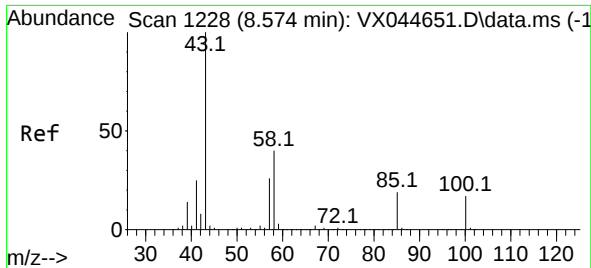
Tgt Ion: 98 Resp: 345312

Ion Ratio Lower Upper

98 100

100 65.4 53.2 79.8

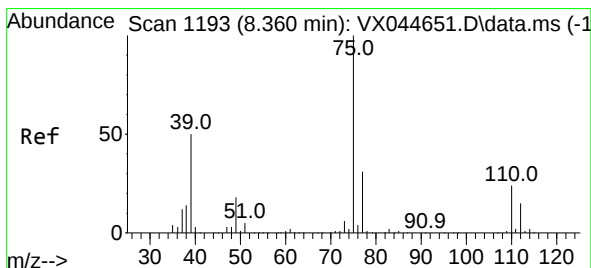
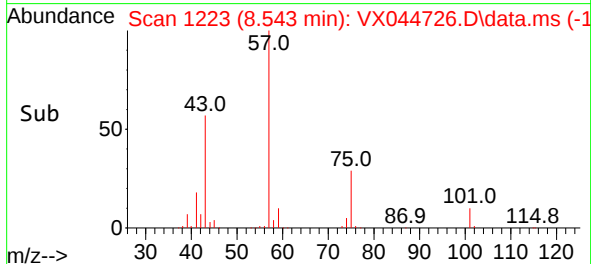
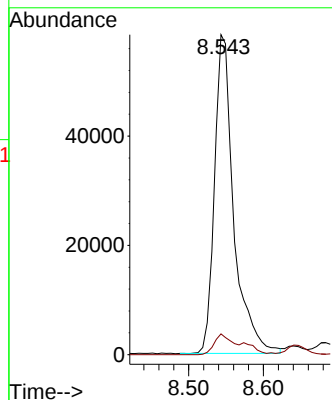
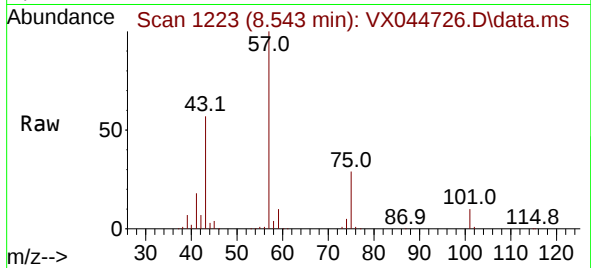




#51
4-Methyl-2-Pentanone
Concen: 38.119 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

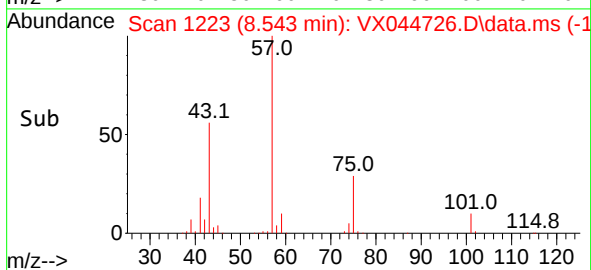
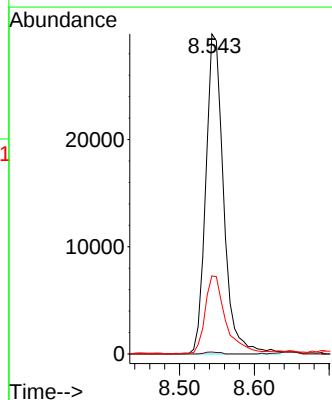
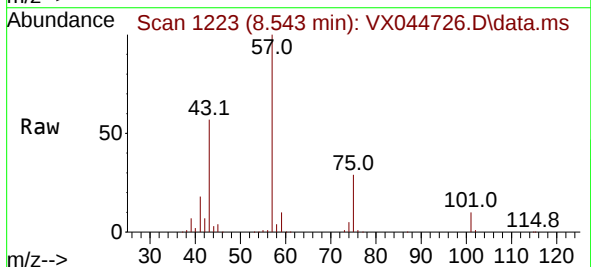
Instrument :
MSVOA_X
ClientSampleId :

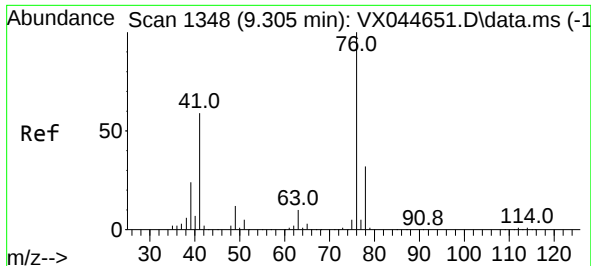
Tgt Ion: 43 Resp: 104428
Ion Ratio Lower Upper
43 100
58 6.3 31.9 47.9#



#54
cis-1,3-Dichloropropene
Concen: 14.335 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.183 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

Tgt Ion: 75 Resp: 49485
Ion Ratio Lower Upper
75 100
77 0.6 25.1 37.7#
39 24.3 40.3 60.5#





#57

1,3-Dichloropropane

Concen: 1.646 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

Instrument :

MSVOA_X

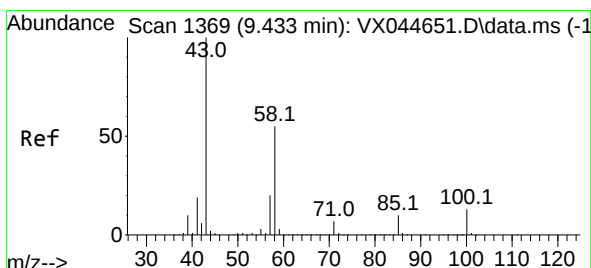
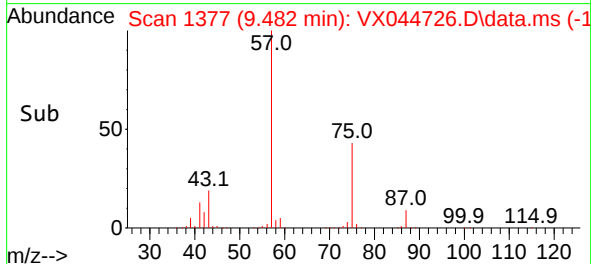
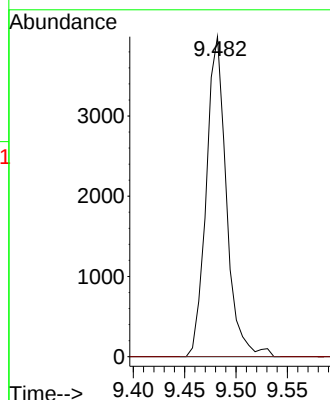
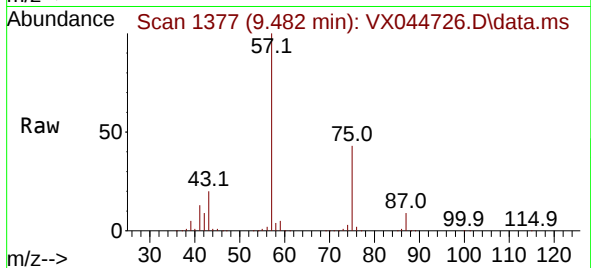
ClientSampleId :

Tgt Ion: 76 Resp: 5444

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 37.449 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX044726.D

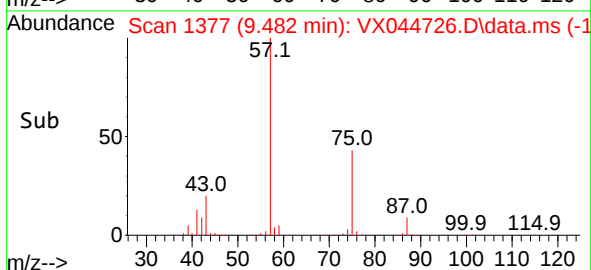
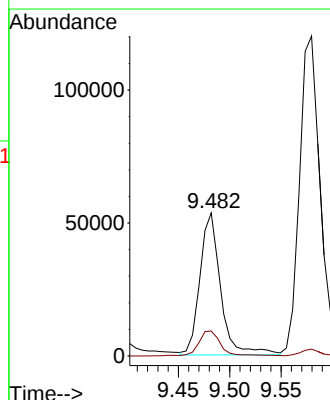
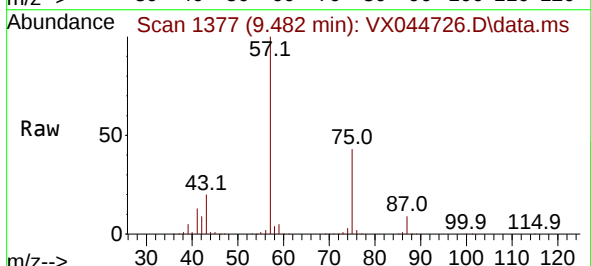
Acq: 27 Jan 2025 16:04

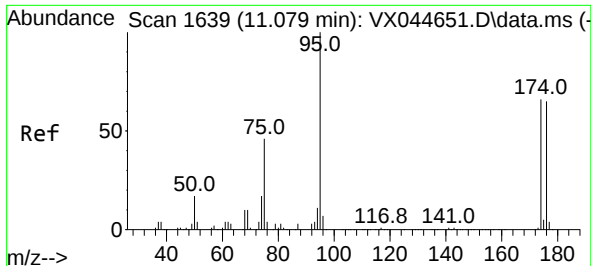
Tgt Ion: 43 Resp: 75479

Ion Ratio Lower Upper

43 100

58 19.0 27.8 83.3#

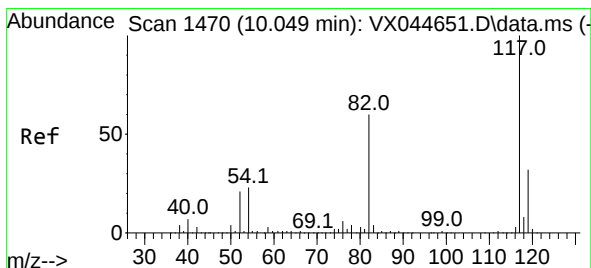
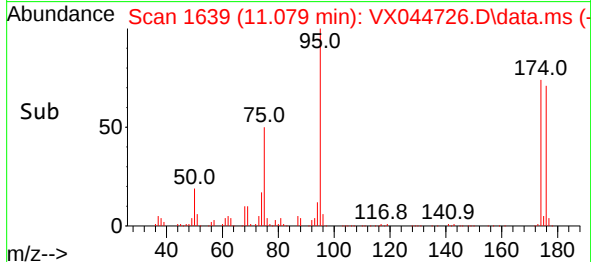
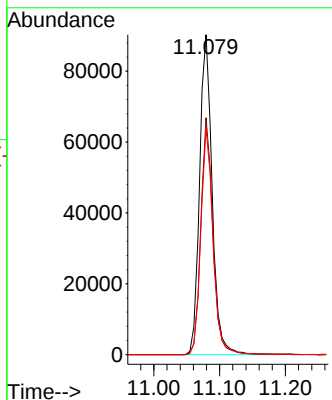
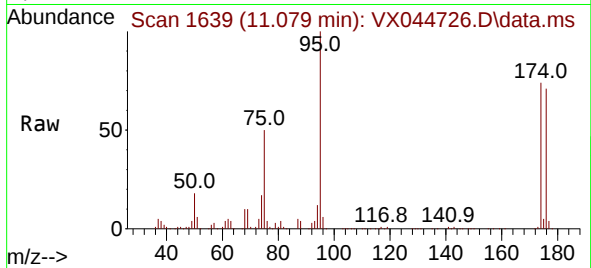




#62
4-Bromofluorobenzene
Concen: 50.754 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

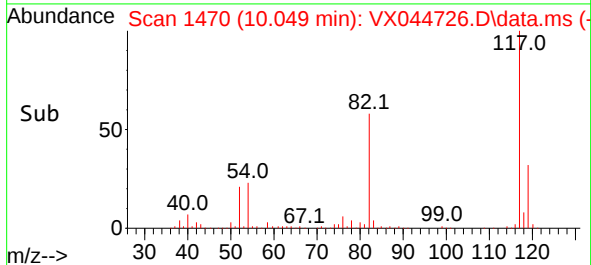
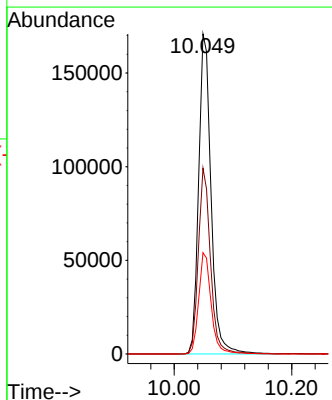
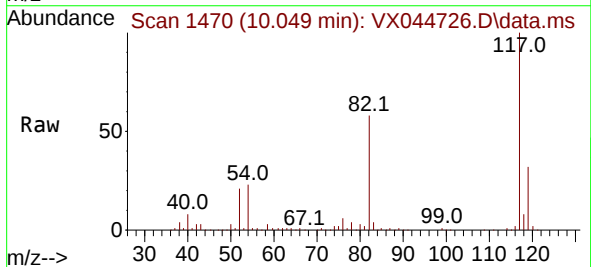
Instrument :
MSVOA_X
ClientSampleId :

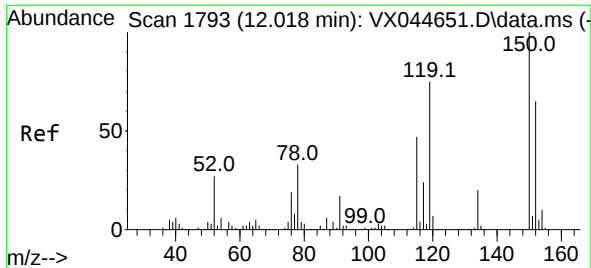
Tgt Ion: 95 Resp: 119925
Ion Ratio Lower Upper
95 100
174 71.5 0.0 133.0
176 68.7 0.0 129.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

Tgt Ion: 117 Resp: 250593
Ion Ratio Lower Upper
117 100
82 58.0 47.6 71.4
119 31.6 25.4 38.2

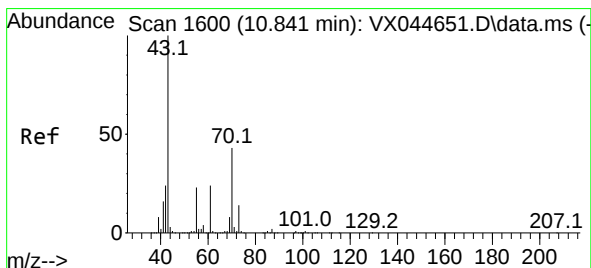
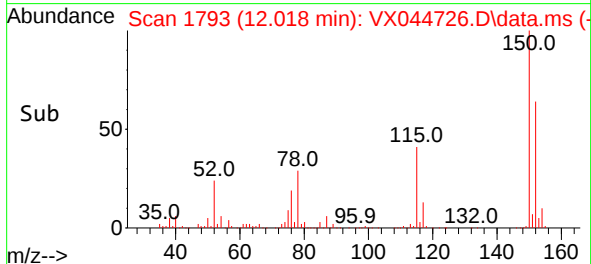
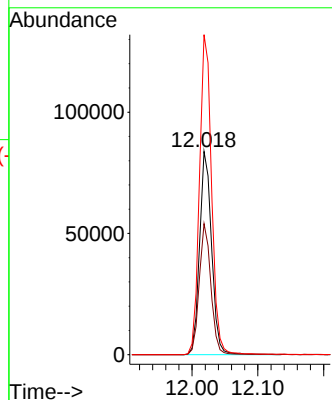
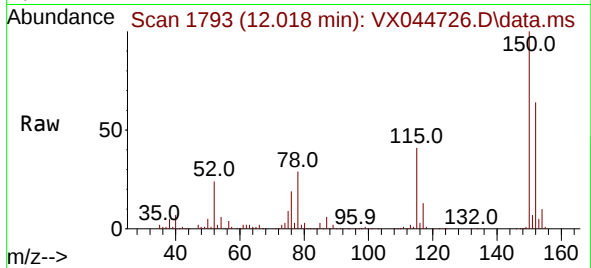




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

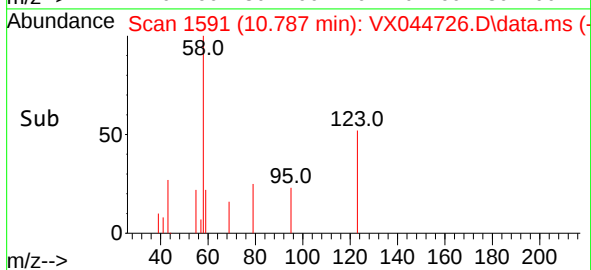
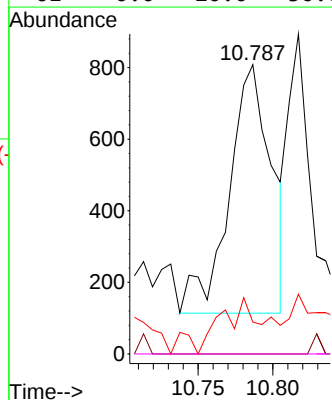
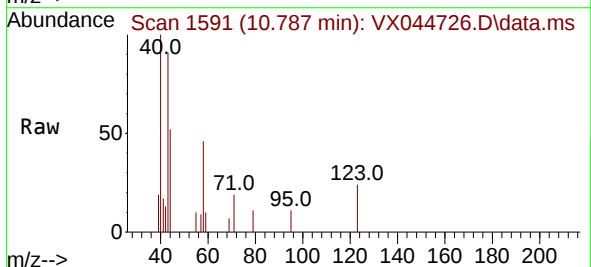
Instrument :
MSVOA_X
ClientSampleId :

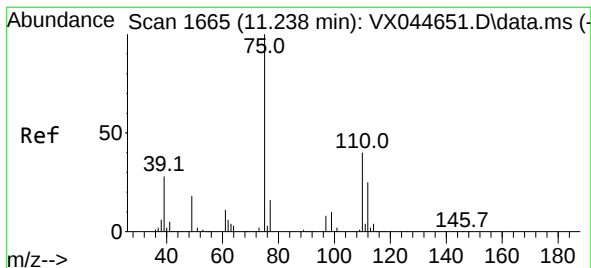
Tgt Ion:152 Resp: 106831
Ion Ratio Lower Upper
152 100
115 62.6 43.8 131.4
150 158.6 0.0 347.8



#74
N-ethyl acetate
Concen: 0.317 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX044726.D
Acq: 27 Jan 2025 16:04

Tgt Ion: 43 Resp: 1362
Ion Ratio Lower Upper
43 100
70 0.0 35.2 52.8#
55 9.5 19.0 28.4#
61 0.0 20.0 30.0#





#76

1,2,3-Trichloropropane

Concen: 23.029 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

Instrument :

MSVOA_X

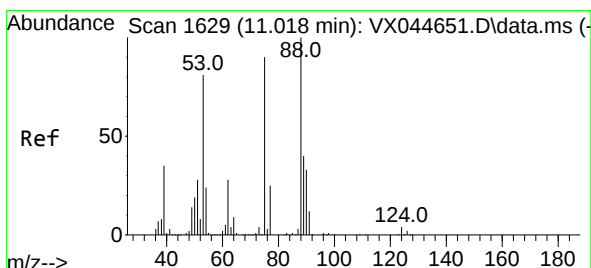
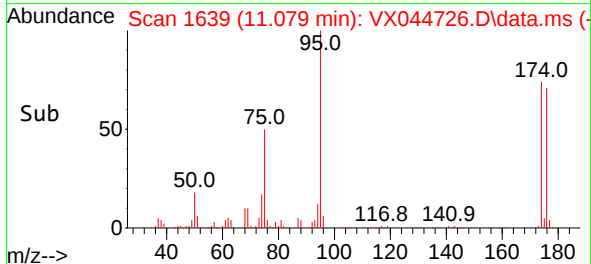
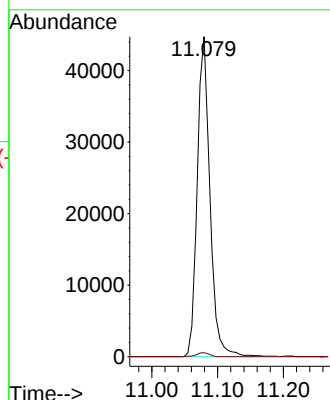
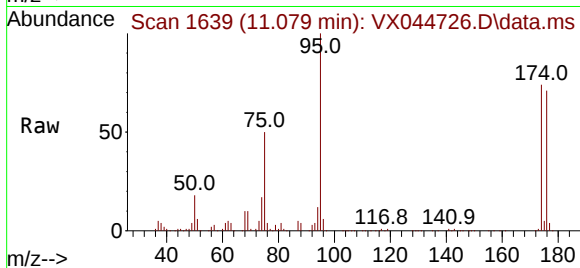
ClientSampleId :

Tgt Ion: 75 Resp: 59707

Ion Ratio Lower Upper

75 100

77 1.3 23.4 70.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 52.665 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044726.D

Acq: 27 Jan 2025 16:04

Tgt Ion: 75 Resp: 59707

Ion Ratio Lower Upper

75 100

53 0.0 74.3 111.5#

89 0.0 37.4 56.0#

