

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044716.D
 Acq On : 27 Jan 2025 12:15
 Operator : JC/MD
 Sample : Q1173-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 04:10:18 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	5.543	168	142665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	295520	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	265204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	114051	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106747	49.571	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.140%
35) Dibromofluoromethane	5.379	113	93503	49.805	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.600%
50) Toluene-d8	8.646	98	355777	54.350	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.700%
62) 4-Bromofluorobenzene	11.079	95	130840	53.616	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.240%

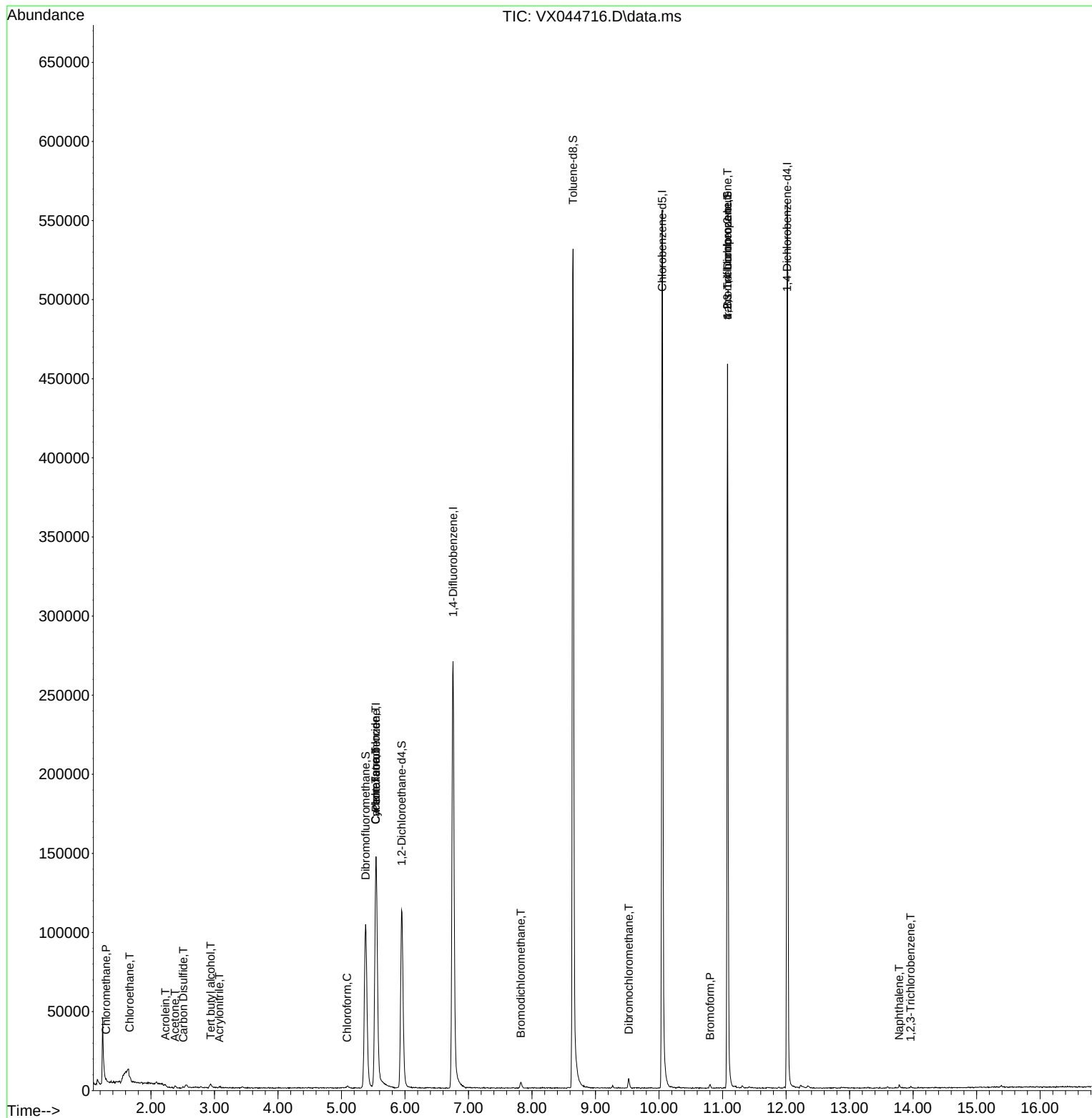
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	482	0.232	ug/l	94
6) Chloroethane	1.666	64	1116	2.967	ug/l #	41
11) Tert butyl alcohol	2.940	59	1321	2.752	ug/l #	90
13) Acrolein	2.227	56	274	1.213	ug/l #	1
15) Acrylonitrile	3.074	53	238	0.253	ug/l #	84
16) Acetone	2.379	43	1328	1.559	ug/l	98
17) Carbon Disulfide	2.507	76	1149	0.252	ug/l	98
30) Chloroform	5.086	83	1409	0.416	ug/l	99
31) Cyclohexane	5.537	56	3392	1.251	ug/l #	1
38) Carbon Tetrachloride	5.537	117	14630	4.977	ug/l #	16
47) Bromodichloromethane	7.823	83	2600	0.817	ug/l	97
60) Dibromochloromethane	9.524	129	2974	1.264	ug/l	98
71) Bromoform	10.805	173	1055	0.633	ug/l #	98
76) 1,2,3-Trichloropropane	11.079	75	64891	23.445	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	64891	53.614	ug/l #	12
95) Naphthalene	13.780	128	1851	0.207	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.963	180	510	0.212	ug/l	91

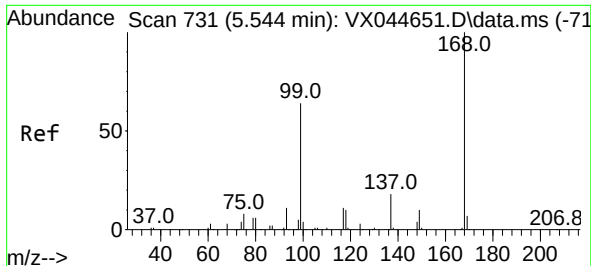
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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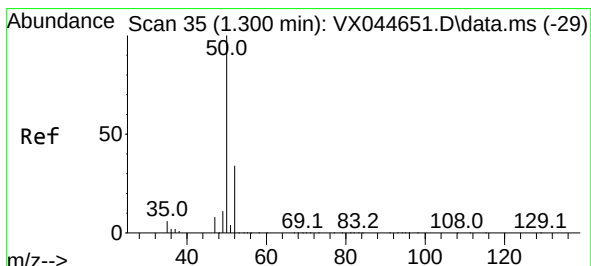
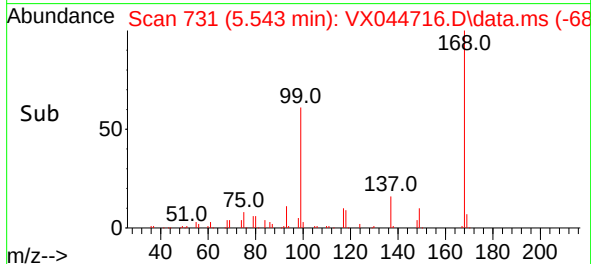
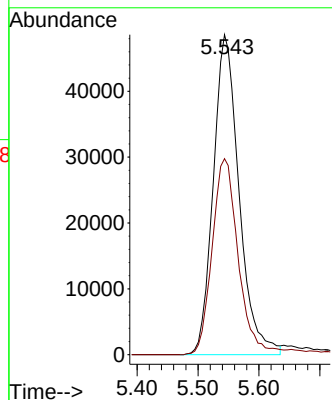
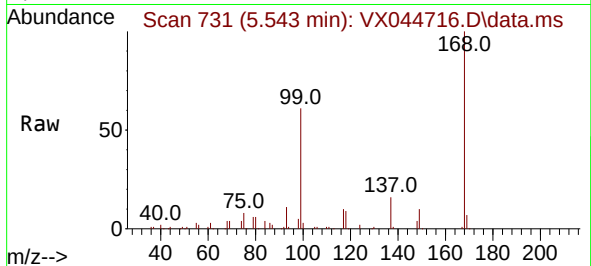




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

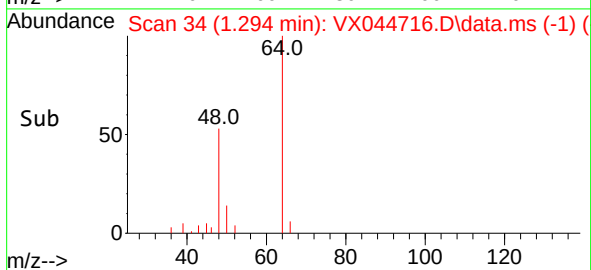
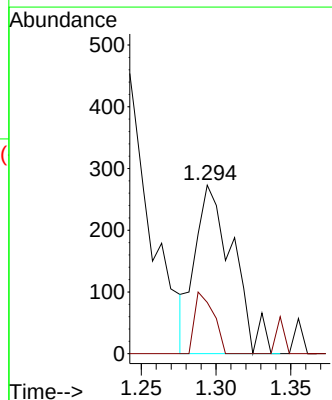
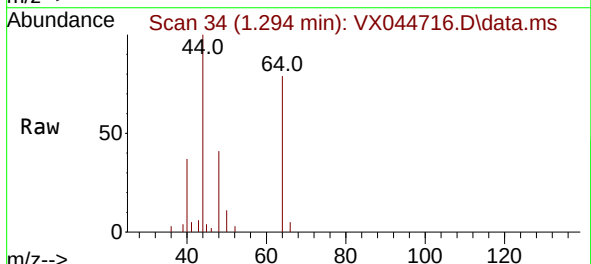
Instrument :
MSVOA_X
ClientSampleId :

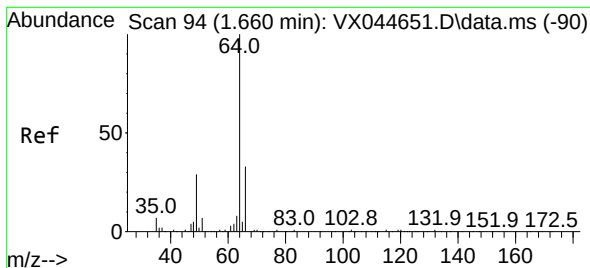
Tgt Ion:168 Resp: 142665
Ion Ratio Lower Upper
168 100
99 61.2 51.1 76.7



#3
Chloromethane
Concen: 0.232 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion: 50 Resp: 482
Ion Ratio Lower Upper
50 100
52 30.4 27.0 40.4





#6

Chloroethane

Concen: 2.967 ug/l

RT: 1.666 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

Instrument :

MSVOA_X

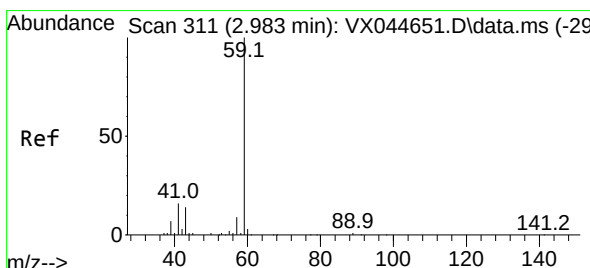
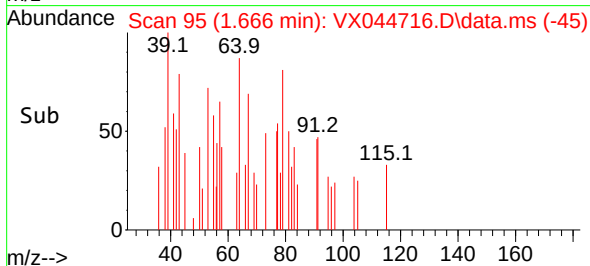
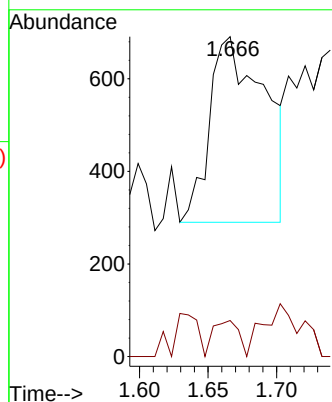
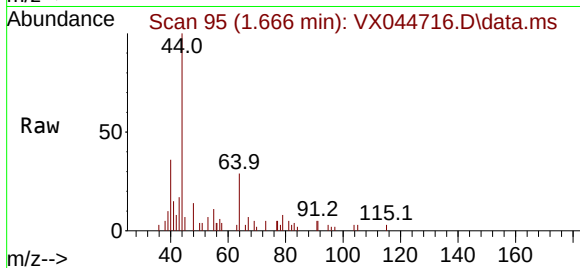
ClientSampleId :

Tgt Ion: 64 Resp: 1116

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 2.752 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX044716.D

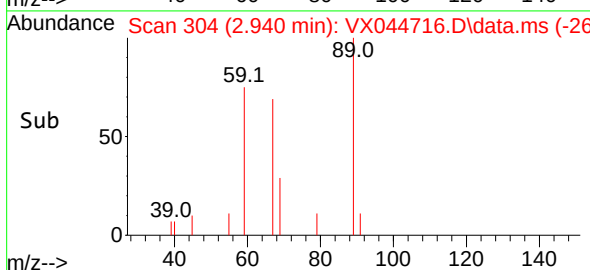
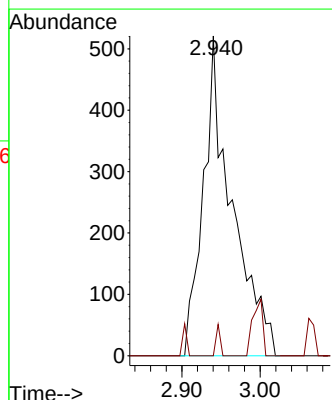
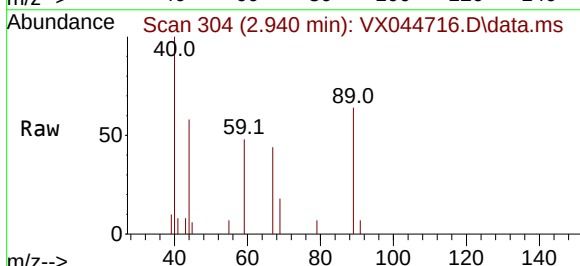
Acq: 27 Jan 2025 12:15

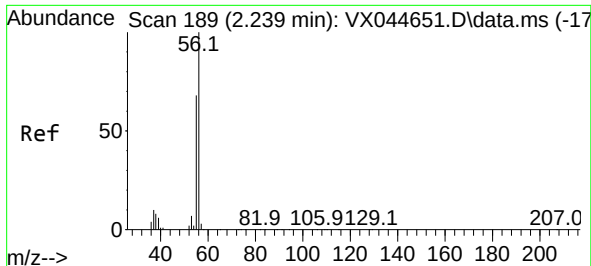
Tgt Ion: 59 Resp: 1321

Ion Ratio Lower Upper

59 100

57 1.4 3.9 5.9#

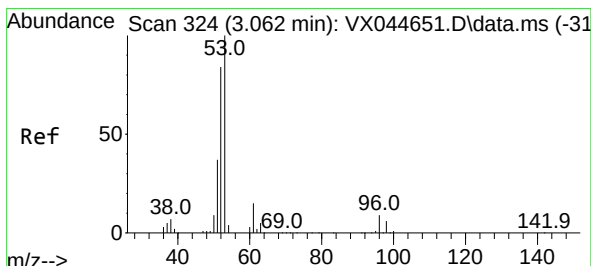
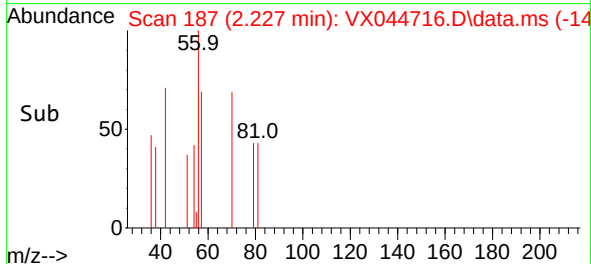
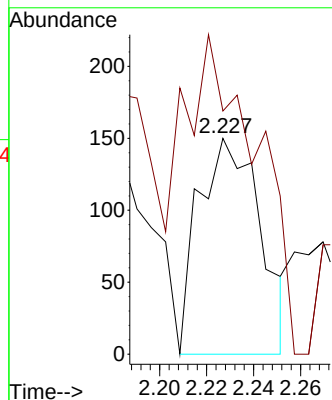
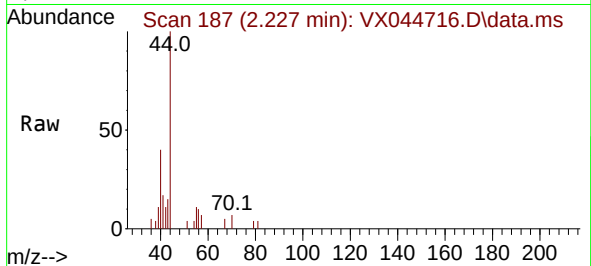




#13
Acrolein
Concen: 1.213 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

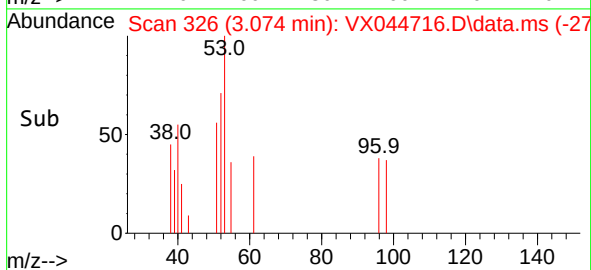
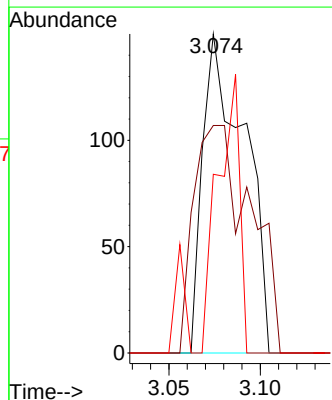
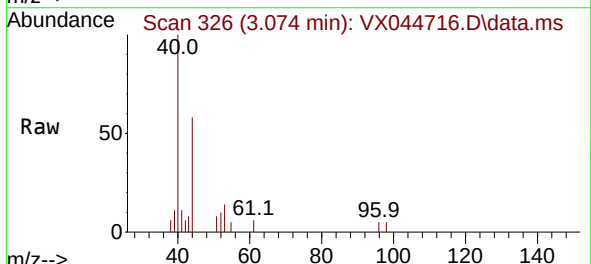
Instrument :
MSVOA_X
ClientSampleId :

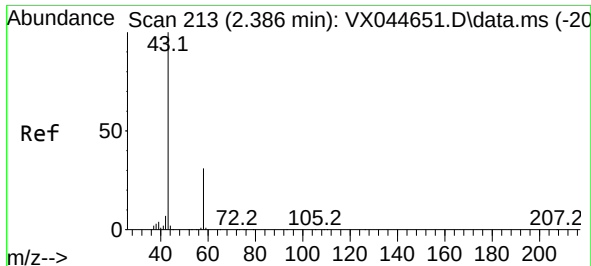
Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 174.1 55.1 82.7#



#15
Acrylonitrile
Concen: 0.253 ug/l
RT: 3.074 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion: 53 Resp: 238
Ion Ratio Lower Upper
53 100
52 97.1 66.0 99.0
51 45.8 28.9 43.3#

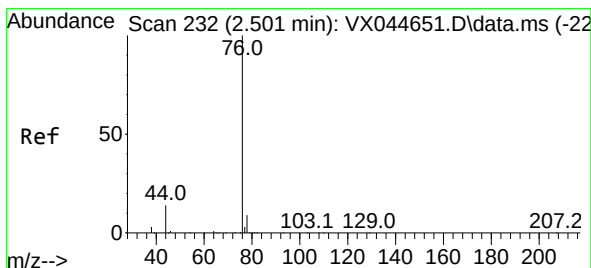
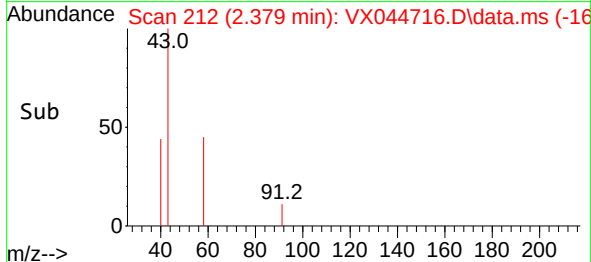
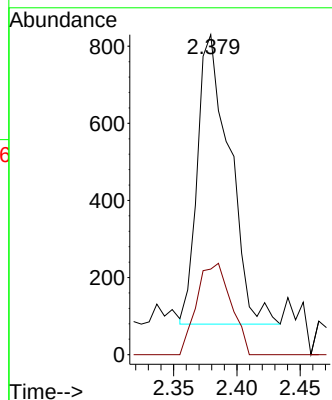
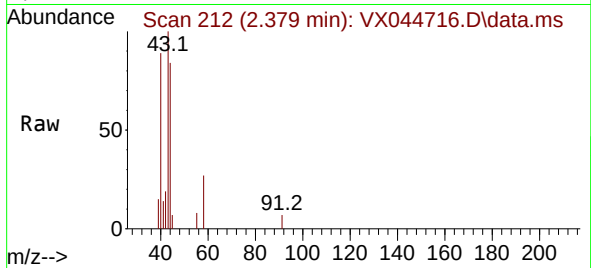




#16
Acetone
Concen: 1.559 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

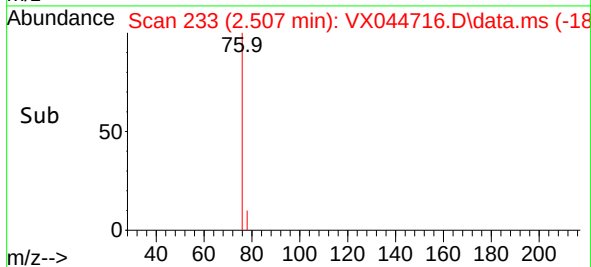
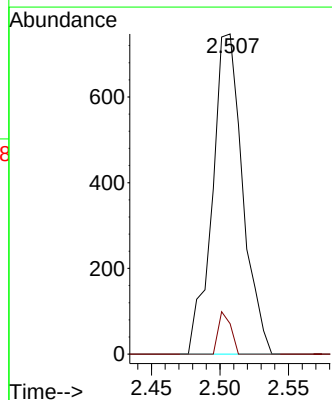
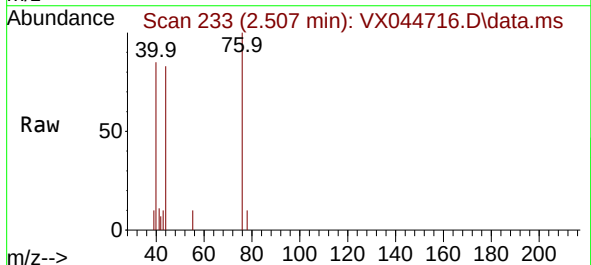
Instrument :
MSVOA_X
ClientSampleId :

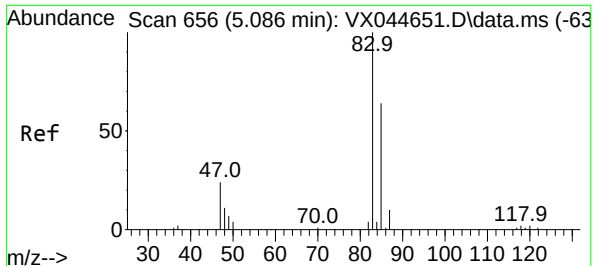
Tgt Ion: 43 Resp: 1328
Ion Ratio Lower Upper
43 100
58 29.6 24.6 37.0



#17
Carbon Disulfide
Concen: 0.252 ug/l
RT: 2.507 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion: 76 Resp: 1149
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7





#30

Chloroform

Concen: 0.416 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

Instrument :

MSVOA_X

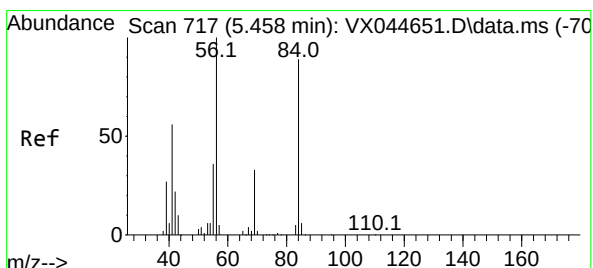
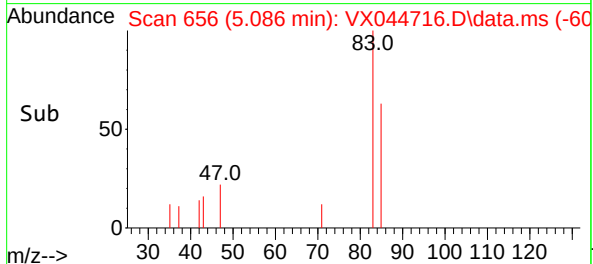
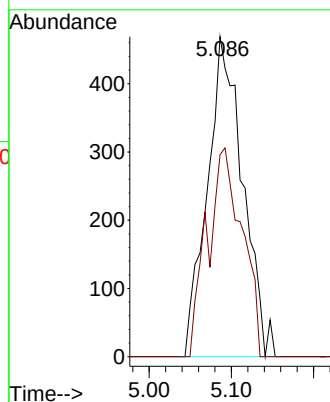
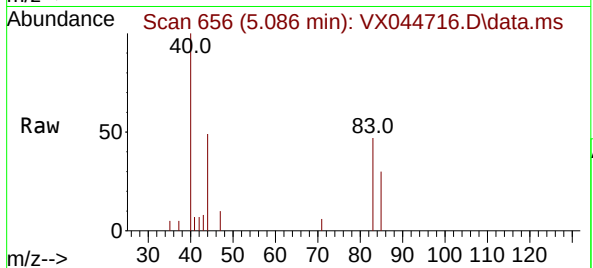
ClientSampleId :

Tgt Ion: 83 Resp: 1409

Ion Ratio Lower Upper

83 100

85 63.1 51.2 76.8



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

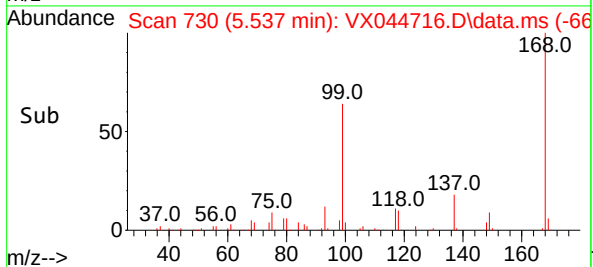
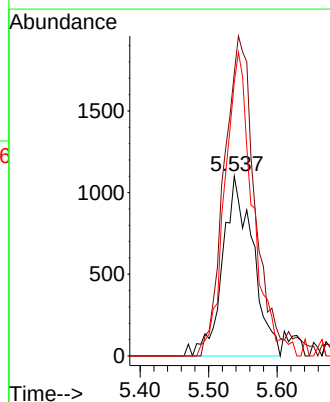
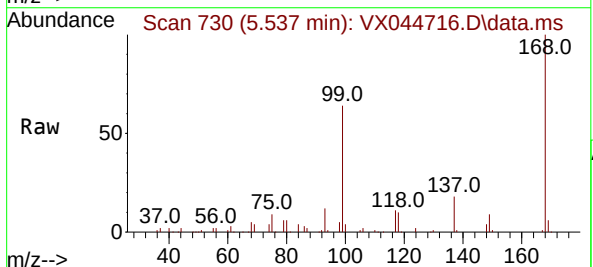
Tgt Ion: 56 Resp: 3392

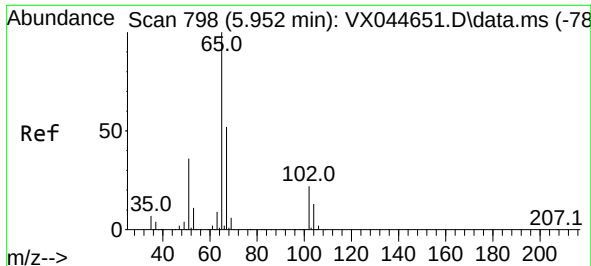
Ion Ratio Lower Upper

56 100

69 157.3 26.8 40.2#

84 152.2 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 49.571 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044716.D

Acq: 27 Jan 2025 12:15

Instrument :

MSVOA_X

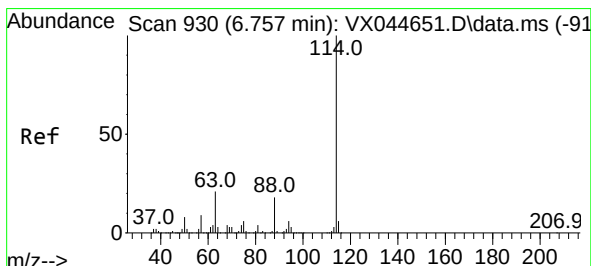
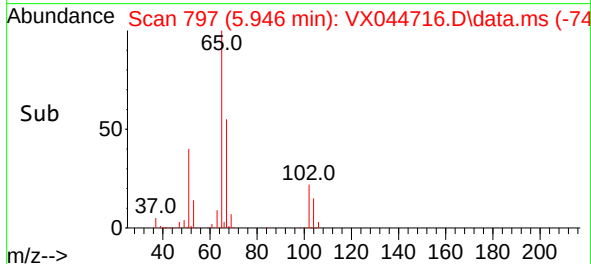
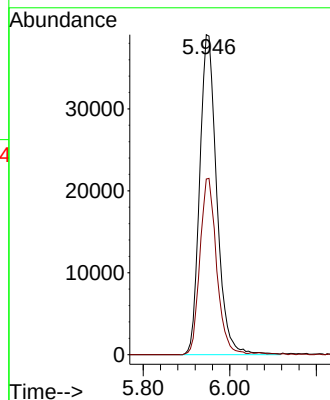
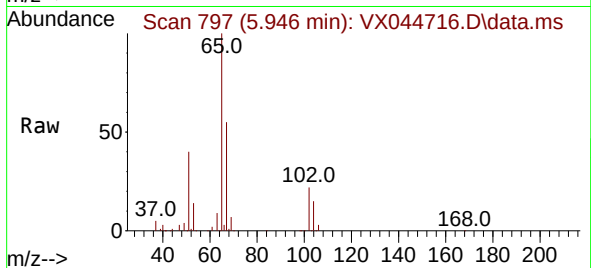
ClientSampleId :

Tgt Ion: 65 Resp: 106747

Ion Ratio Lower Upper

65 100

67 53.9 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: VX044716.D

Acq: 27 Jan 2025 12:15

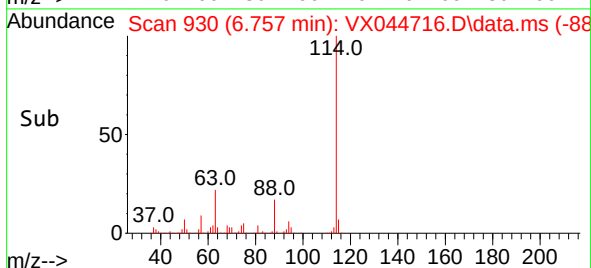
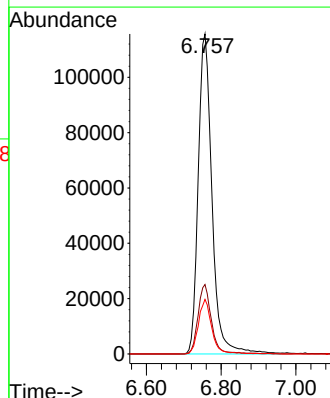
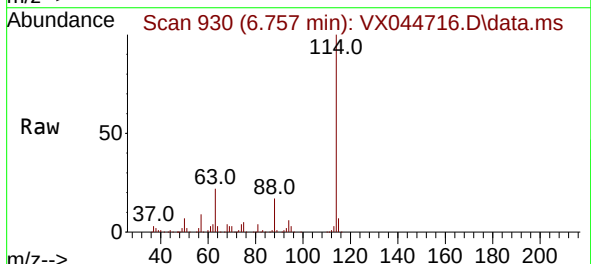
Tgt Ion: 114 Resp: 295520

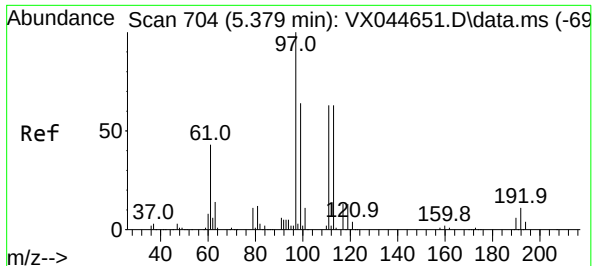
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.0

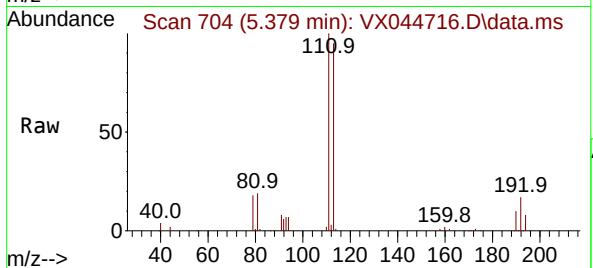
88 17.1 0.0 35.4



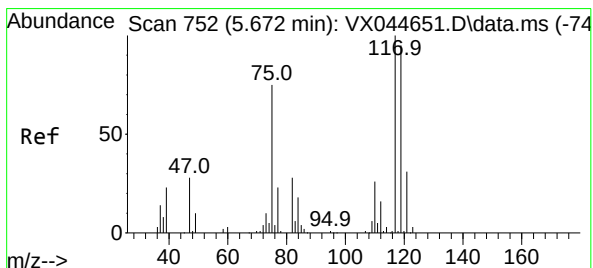
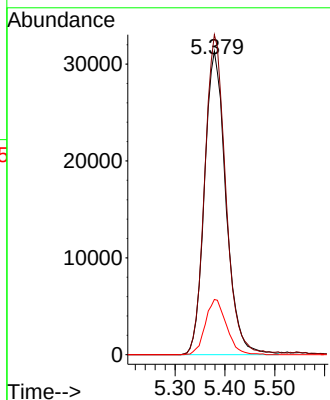
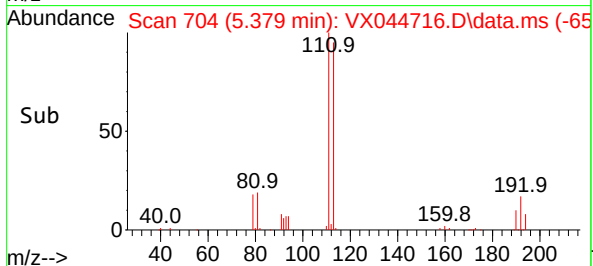


#35
Dibromofluoromethane
Concen: 49.805 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Instrument :
MSVOA_X
ClientSampleId :

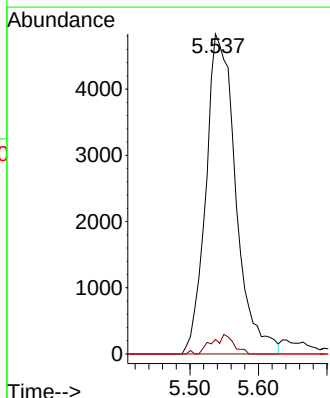
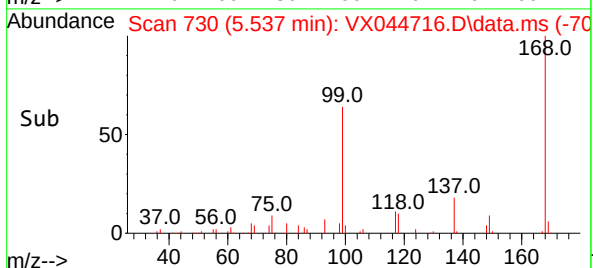
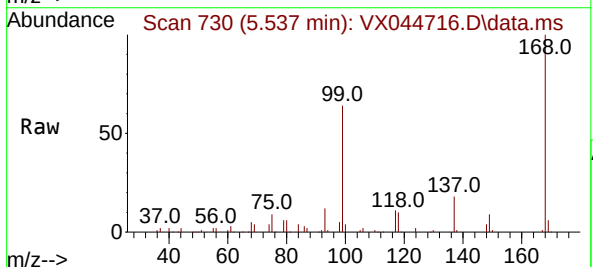


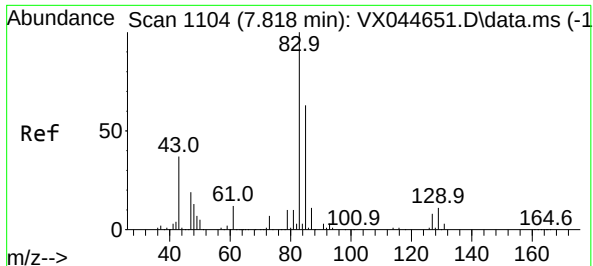
Tgt Ion:113 Resp: 93503
Ion Ratio Lower Upper
113 100
111 103.8 81.6 122.4
192 18.0 14.4 21.6



#38
Carbon Tetrachloride
Concen: 4.977 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion:117 Resp: 14630
Ion Ratio Lower Upper
117 100
119 4.6 76.0 114.0#
121 0.0 24.6 36.8#

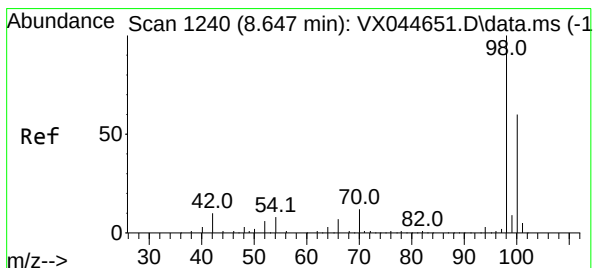
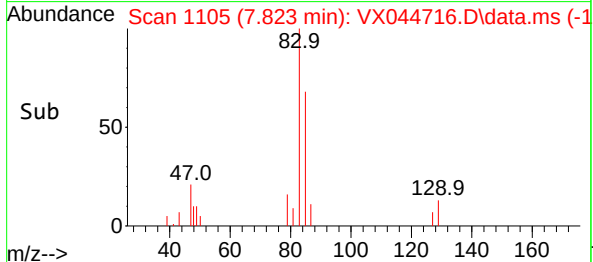
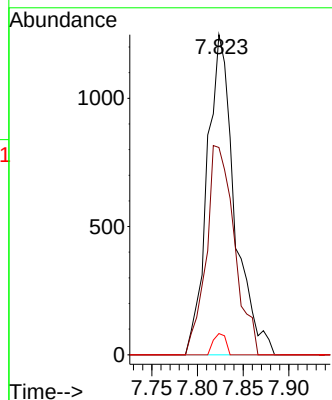
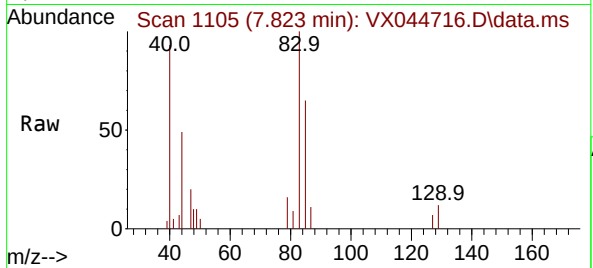




#47
Bromodichloromethane
Concen: 0.817 ug/l
RT: 7.823 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

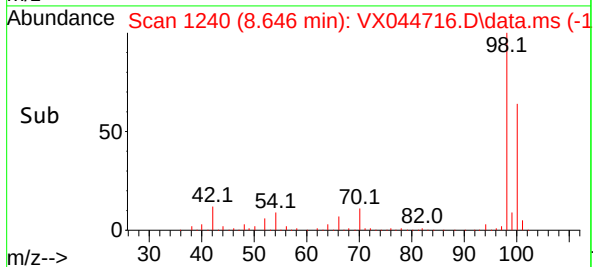
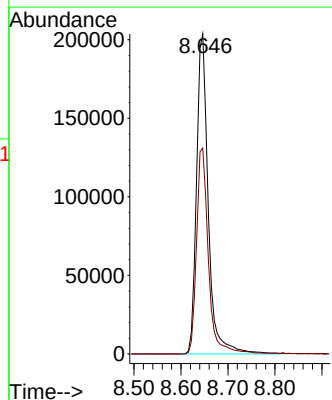
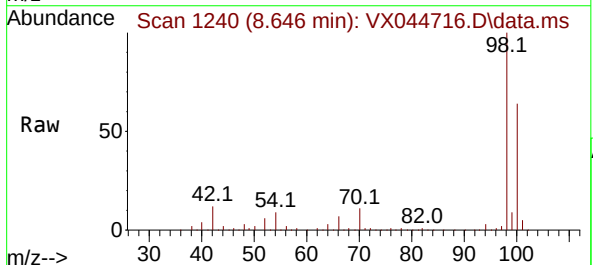
Instrument :
MSVOA_X
ClientSampleId :

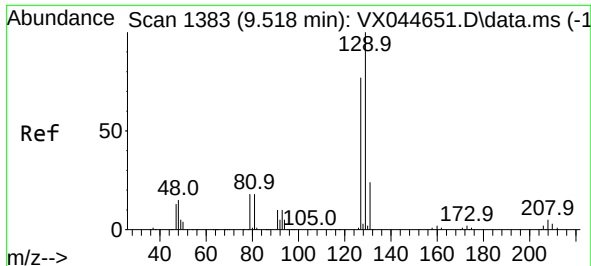
Tgt Ion: 83 Resp: 2600
Ion Ratio Lower Upper
83 100
85 64.7 50.1 75.1
127 6.7 6.5 9.7



#50
Toluene-d8
Concen: 54.350 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion: 98 Resp: 355777
Ion Ratio Lower Upper
98 100
100 65.3 53.2 79.8

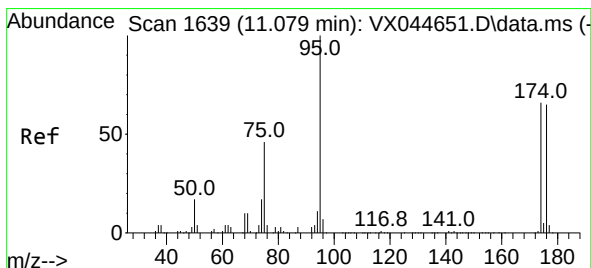
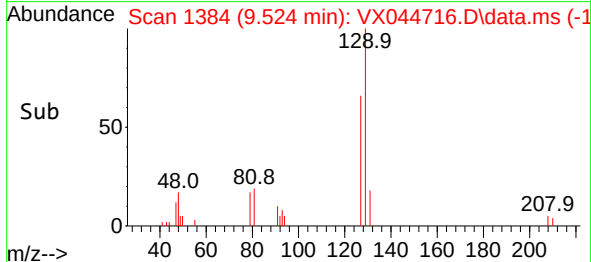
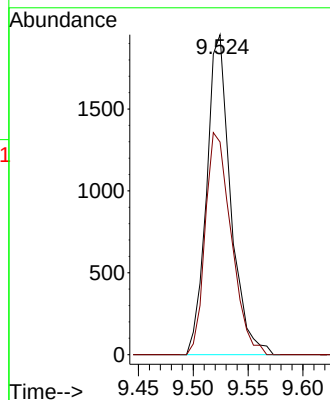
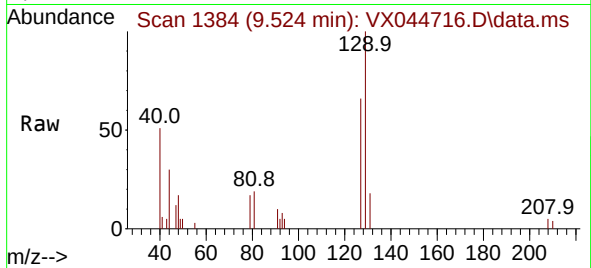




#60
Dibromochloromethane
Concen: 1.264 ug/l
RT: 9.524 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

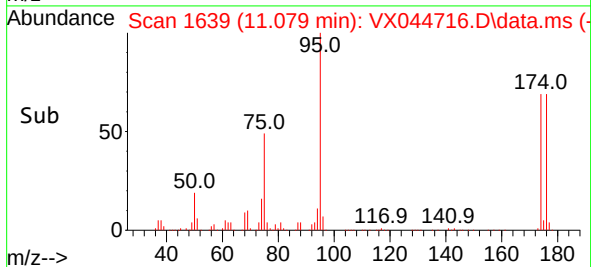
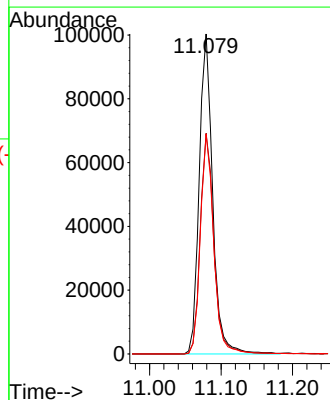
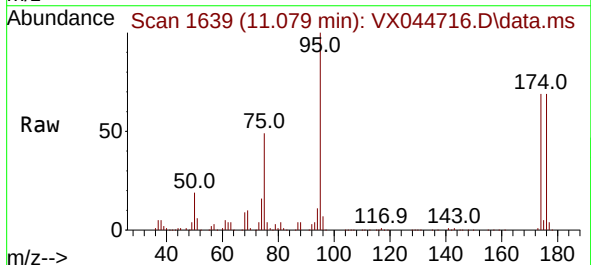
Instrument :
MSVOA_X
ClientSampleId :

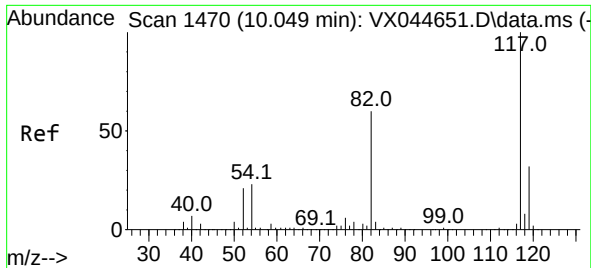
Tgt Ion:129 Resp: 2974
Ion Ratio Lower Upper
129 100
127 75.2 38.5 115.5



#62
4-Bromofluorobenzene
Concen: 53.616 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion: 95 Resp: 130840
Ion Ratio Lower Upper
95 100
174 70.1 0.0 133.0
176 68.3 0.0 129.4

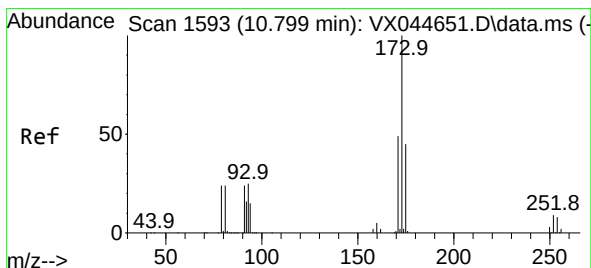
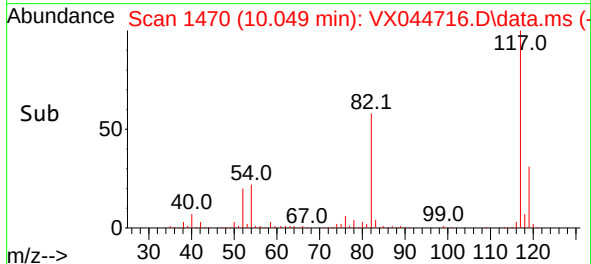
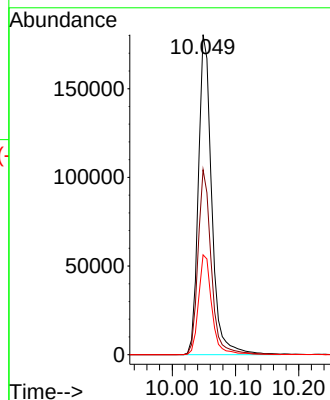
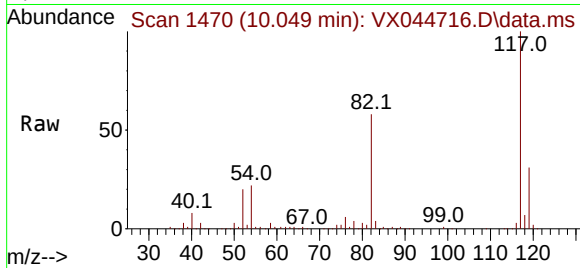




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

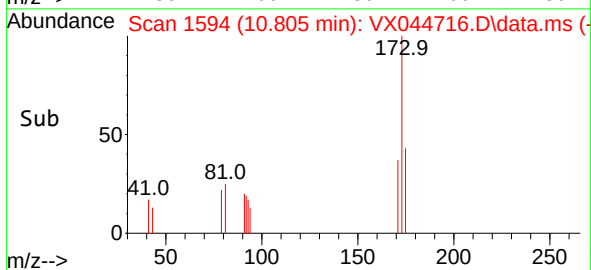
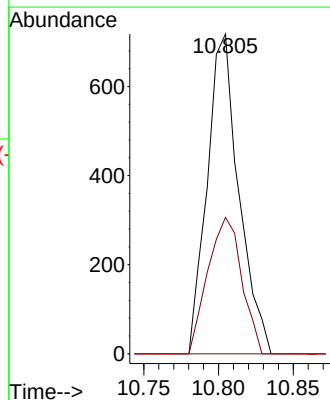
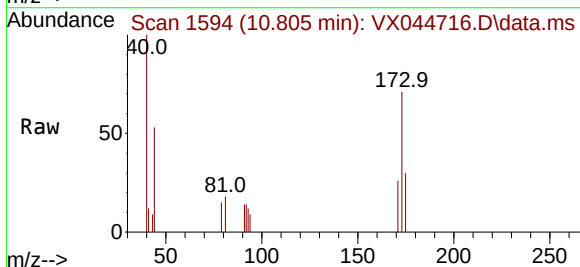
Instrument :
MSVOA_X
ClientSampleId :

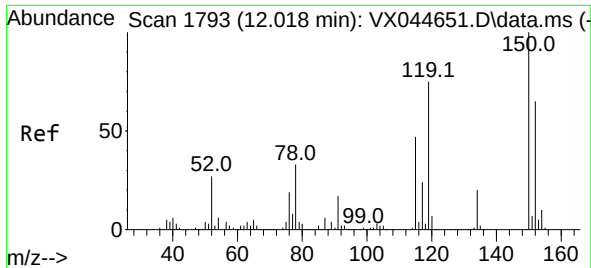
Tgt Ion:117 Resp: 265204
Ion Ratio Lower Upper
117 100
82 57.7 47.6 71.4
119 31.2 25.4 38.2



#71
Bromoform
Concen: 0.633 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

Tgt Ion:173 Resp: 1055
Ion Ratio Lower Upper
173 100
175 45.6 23.6 70.8
254 0.0 0.1 0.1#

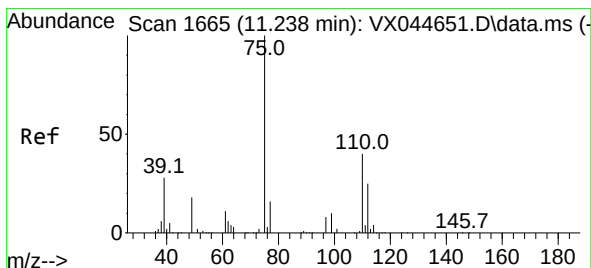
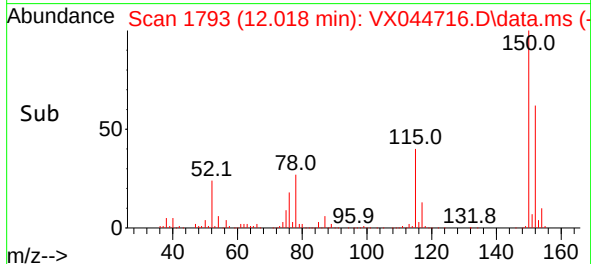
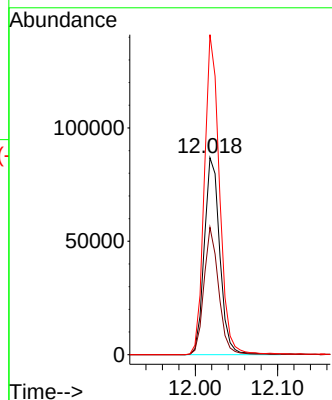
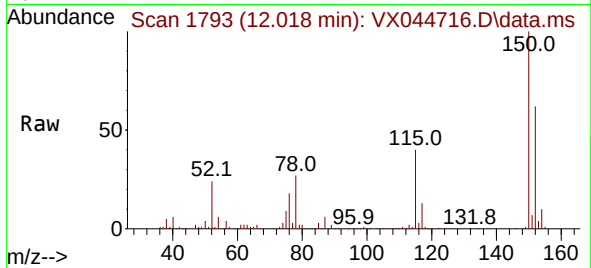




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX044716.D
 Acq: 27 Jan 2025 12:15

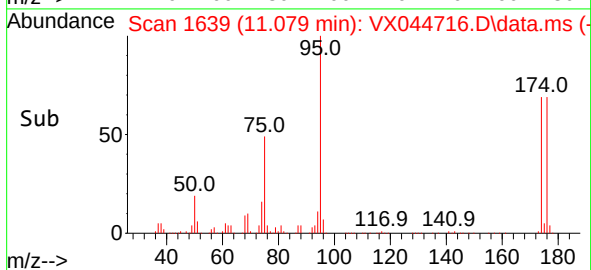
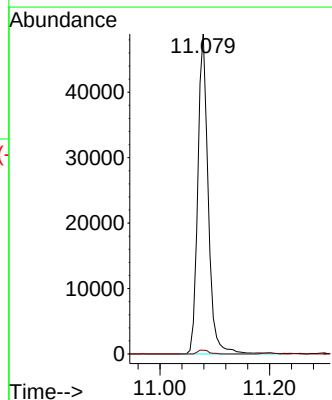
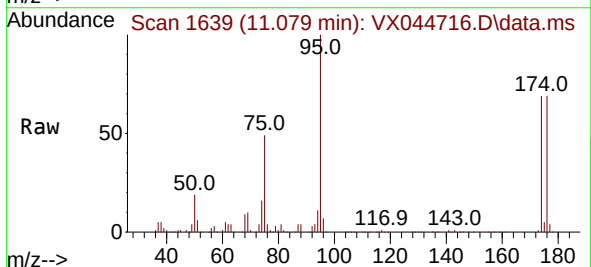
Instrument :
 MSVOA_X
 ClientSampleId :

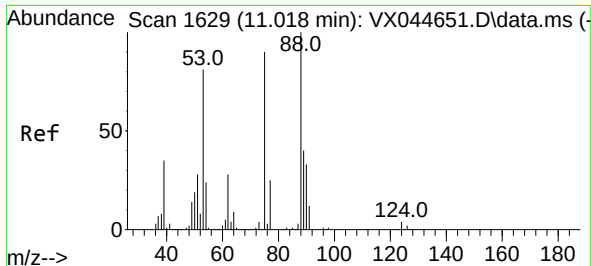
Tgt Ion:152 Resp: 114051
 Ion Ratio Lower Upper
 152 100
 115 61.3 43.8 131.4
 150 157.8 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 23.445 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX044716.D
 Acq: 27 Jan 2025 12:15

Tgt Ion: 75 Resp: 64891
 Ion Ratio Lower Upper
 75 100
 77 1.3 23.4 70.2#

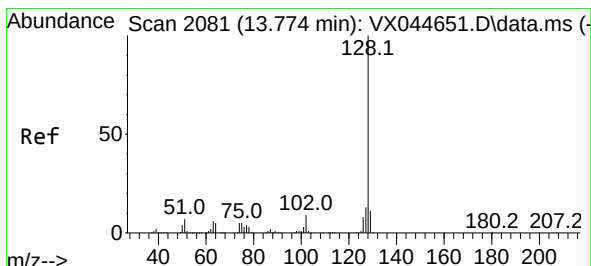
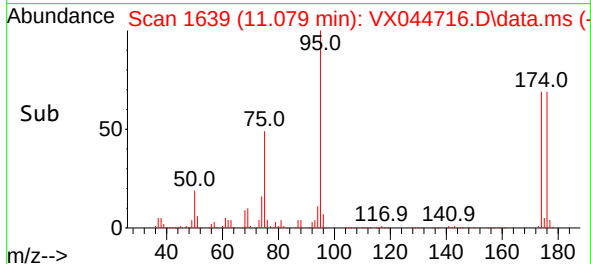
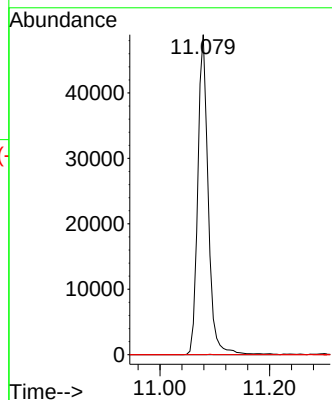
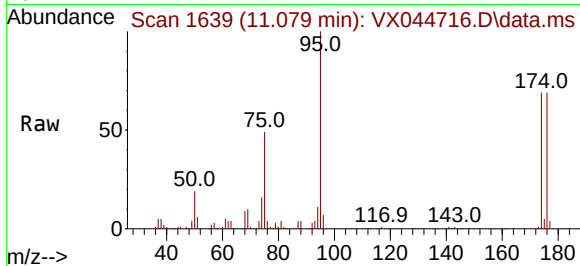




#81
trans-1,4-Dichloro-2-butene
Concen: 53.614 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

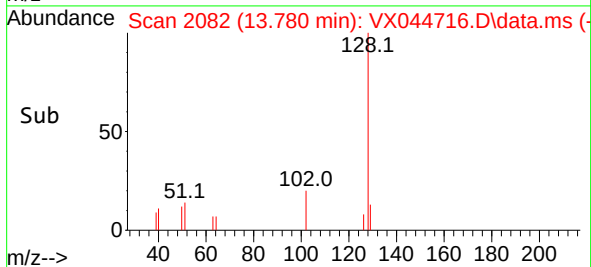
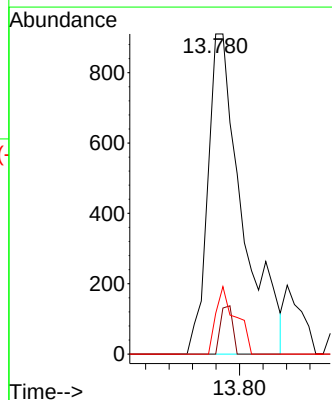
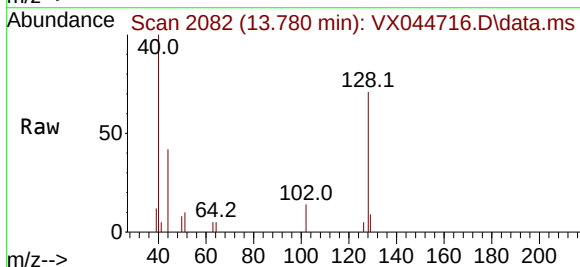
Instrument :
MSVOA_X
ClientSampleId :

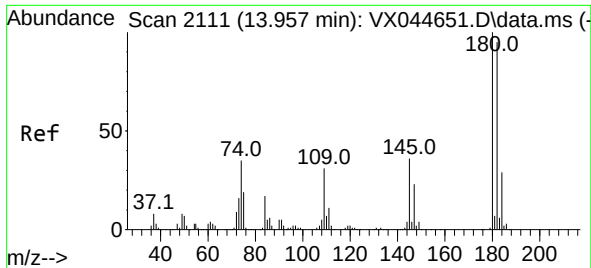
Tgt Ion: 75 Resp: 64891
Ion Ratio Lower Upper
75 100
53 0.0 74.3 111.5#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 0.207 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044716.D
Acq: 27 Jan 2025 12:15

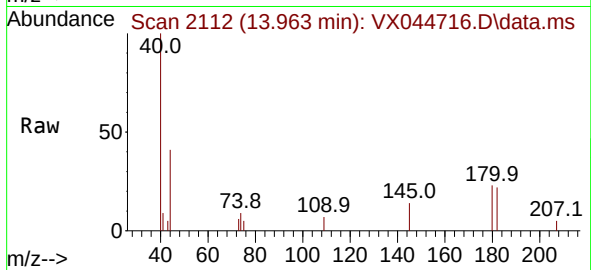
Tgt Ion:128 Resp: 1851
Ion Ratio Lower Upper
128 100
127 5.3 10.3 15.5#
129 12.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.212 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX044716.D
 Acq: 27 Jan 2025 12:15

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	510
Ion	Ratio	Lower	Upper
180	100		
182	88.6	47.2	141.6
145	25.3	17.5	52.6

