

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
 Data File : VX043968.D
 Acq On : 22 Nov 2024 18:25
 Operator : JC/MD
 Sample : P4846-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 22 22:28:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

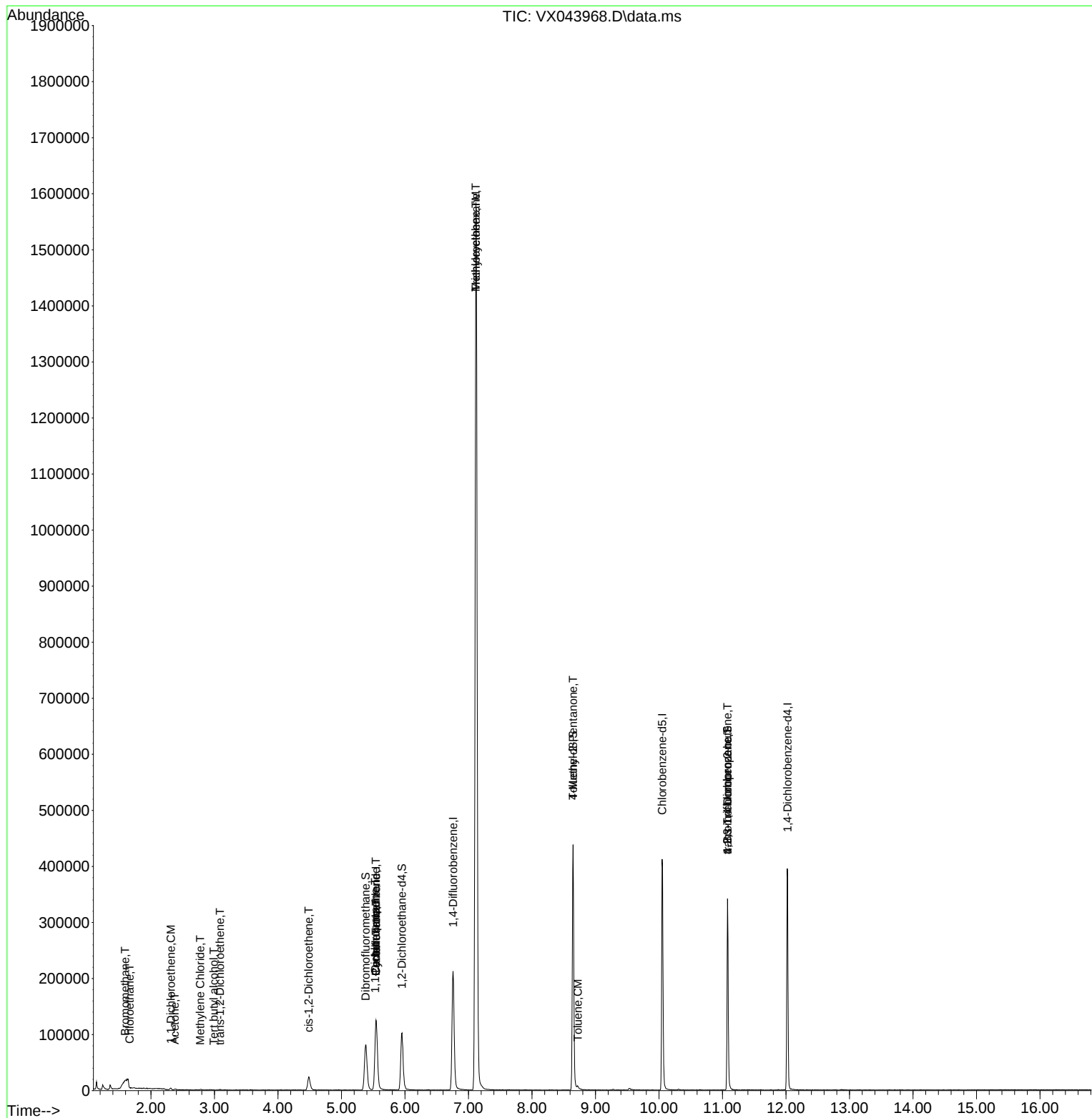
Internal Standards						
1) Pentafluorobenzene	5.544	168	108343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213438	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	185232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97377	52.402	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.800%
35) Dibromofluoromethane	5.379	113	69840	45.793	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.580%
50) Toluene-d8	8.647	98	260832	49.614	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.220%
62) 4-Bromofluorobenzene	11.079	95	87967	49.166	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.340%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	540	0.571	ug/l #	37
6) Chloroethane	1.666	64	252	0.269	ug/l #	42
11) Tert butyl alcohol	2.989	59	119	0.399	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	850	0.681	ug/l	89
16) Acetone	2.374	43	1472	1.725	ug/l #	85
20) Methylene Chloride	2.776	84	506	0.349	ug/l #	70
21) trans-1,2-Dichloroethene	3.087	96	423	0.328	ug/l #	81
27) cis-1,2-Dichloroethene	4.483	96	14439	9.063	ug/l	88
31) Cyclohexane	5.544	56	3203	1.547	ug/l #	36
36) 1,1-Dichloropropene	5.532	75	10211	5.373	ug/l #	51
38) Carbon Tetrachloride	5.544	117	13119	6.143	ug/l #	17
39) Methylcyclohexane	7.117	83	7691	3.115	ug/l #	1
44) Trichloroethene	7.117	130	571405	340.966	ug/l	97
51) 4-Methyl-2-Pentanone	8.647	43	1492	0.651	ug/l #	1
52) Toluene	8.720	92	1801	0.508	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	49584	29.050	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	49584	79.270	ug/l #	6

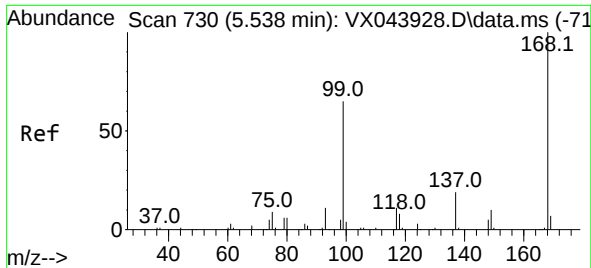
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Time: Nov 22 22:28:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

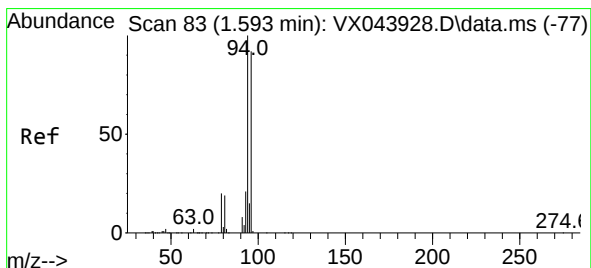
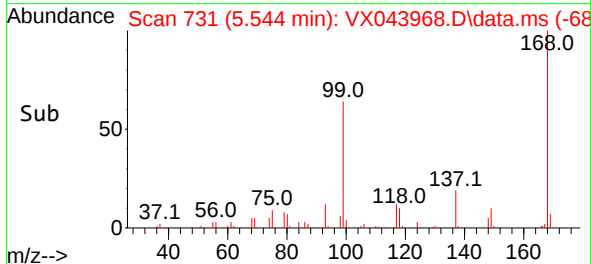
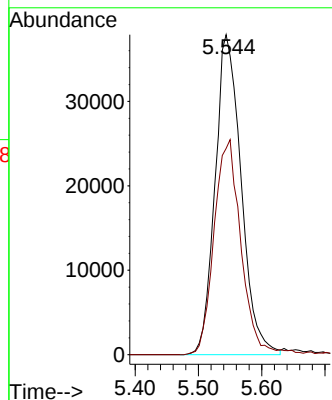
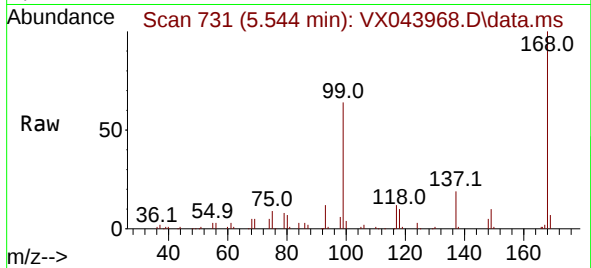




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

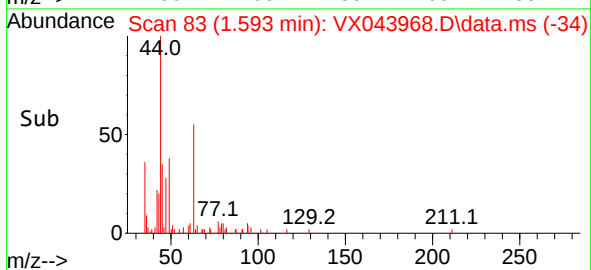
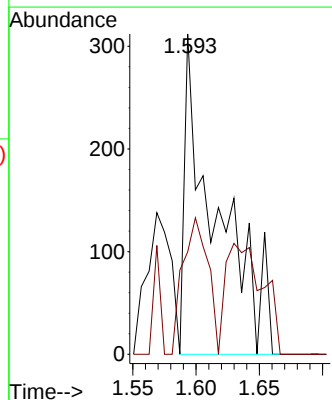
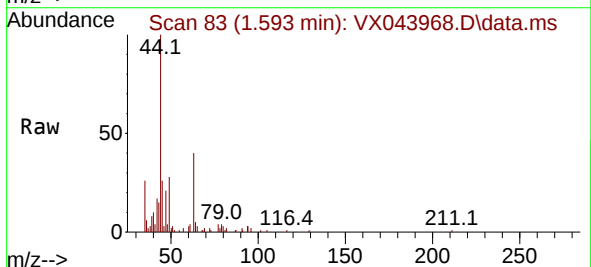
Instrument :
MSVOA_X
ClientSampleId :

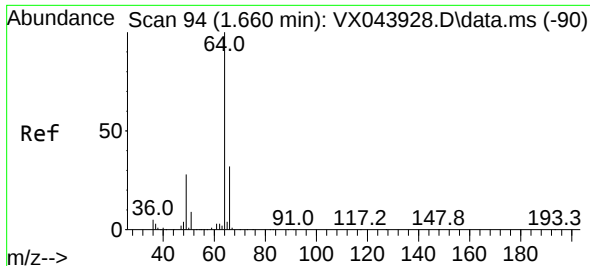
Tgt Ion:168 Resp: 108343
Ion Ratio Lower Upper
168 100
99 64.5 51.8 77.8



#5
Bromomethane
Concen: 0.571 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

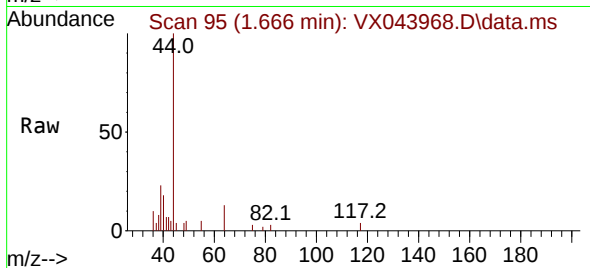
Tgt Ion: 94 Resp: 540
Ion Ratio Lower Upper
94 100
96 32.1 73.9 110.9#



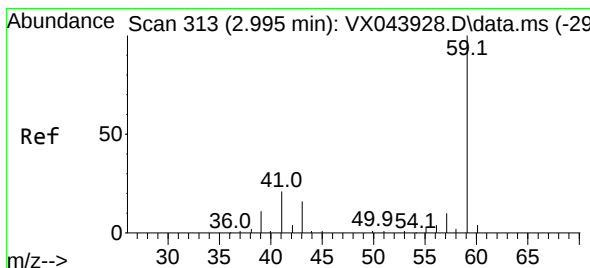
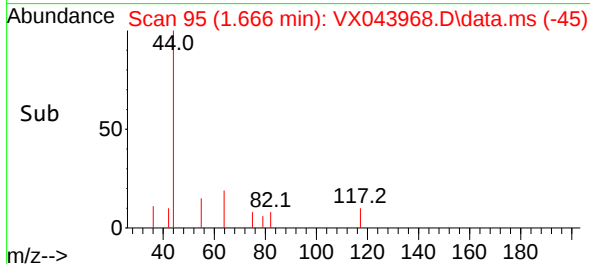
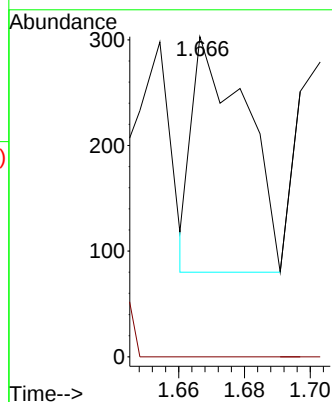


#6
Chloroethane
Concen: 0.269 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :

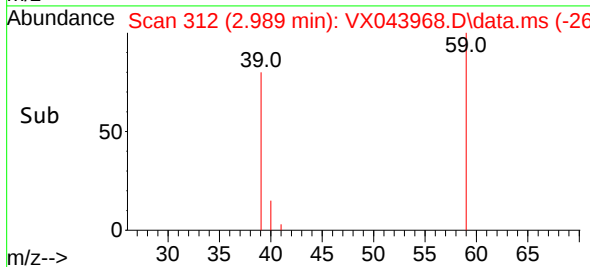
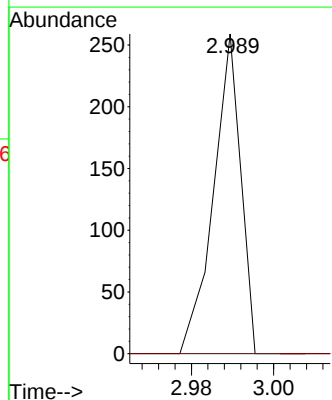
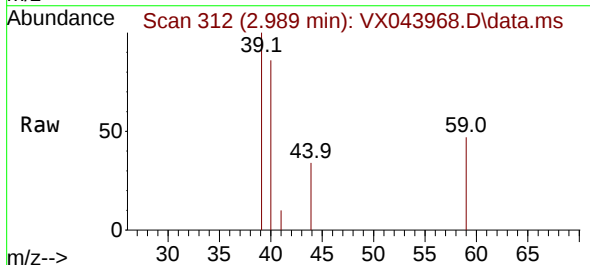


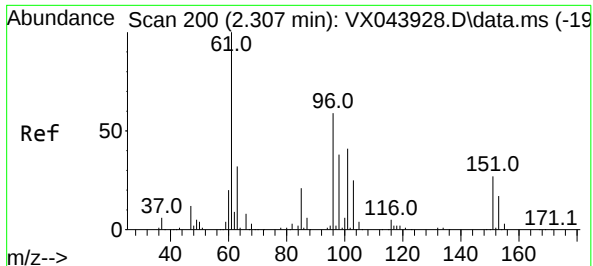
Tgt Ion: 64 Resp: 252
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 0.399 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#12

1,1-Dichloroethene

Concen: 0.681 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX043968.D

Acq: 22 Nov 2024 18:25

Instrument :

MSVOA_X

ClientSampleId :

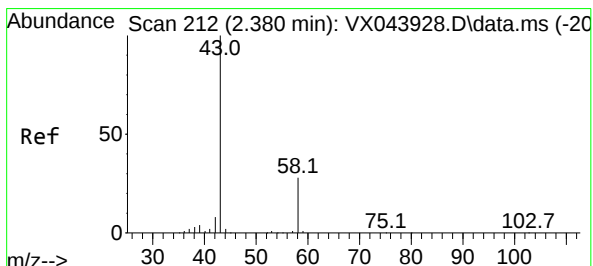
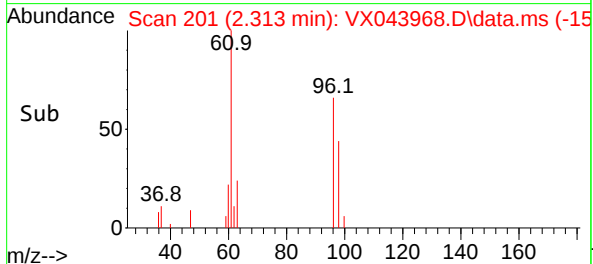
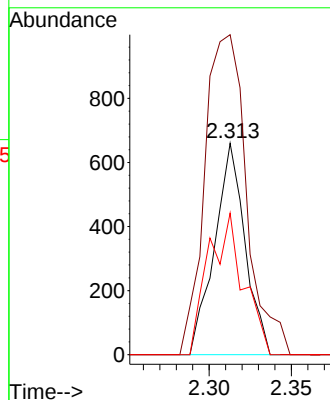
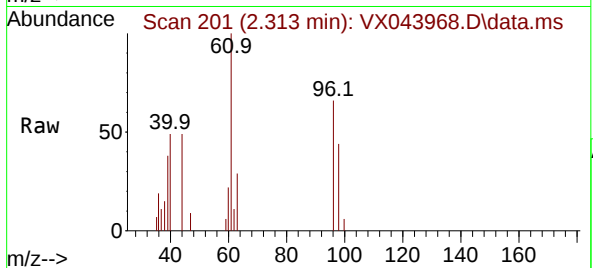
Tgt Ion: 96 Resp: 850

Ion Ratio Lower Upper

96 100

61 151.4 135.5 203.3

98 67.0 50.8 76.2



#16

Acetone

Concen: 1.725 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX043968.D

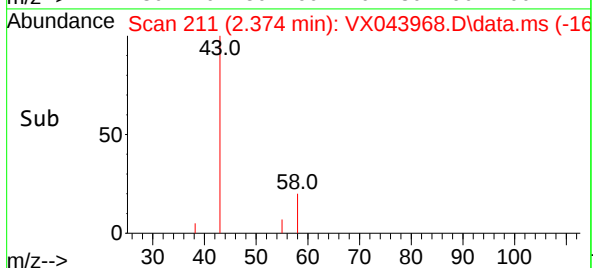
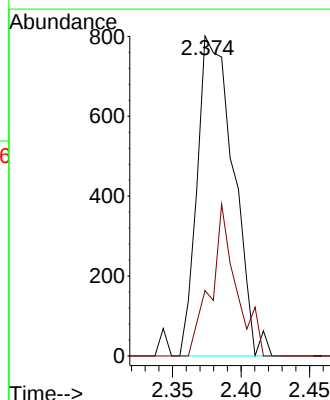
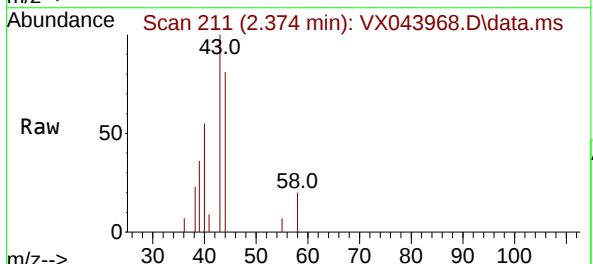
Acq: 22 Nov 2024 18:25

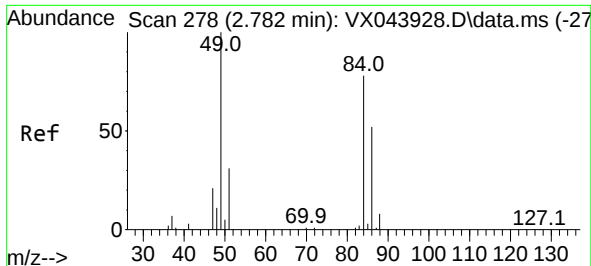
Tgt Ion: 43 Resp: 1472

Ion Ratio Lower Upper

43 100

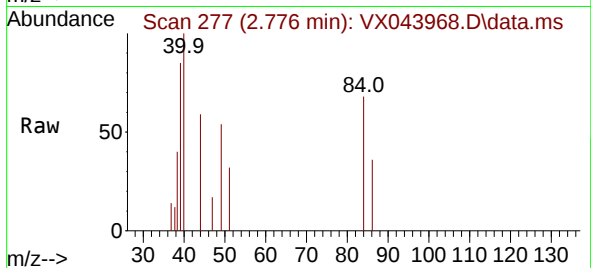
58 20.5 22.7 34.1#



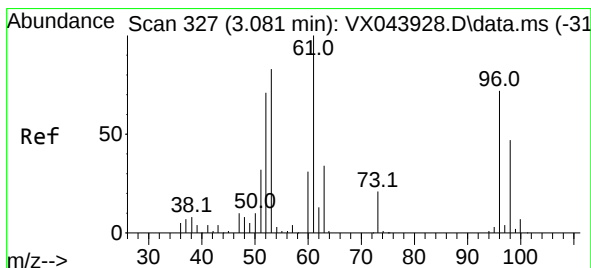
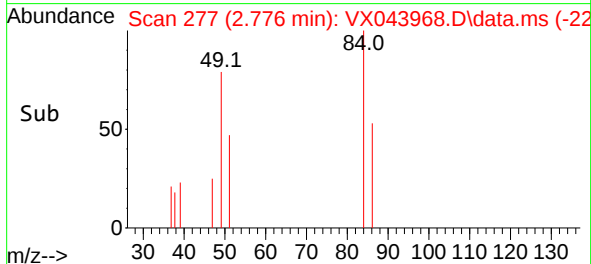
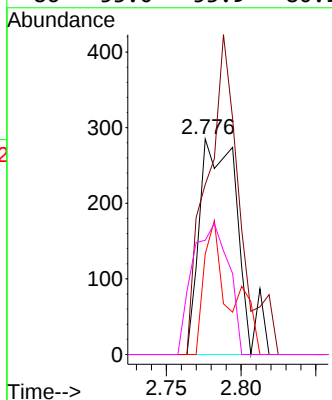


#20
Methylene Chloride
Concen: 0.349 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :

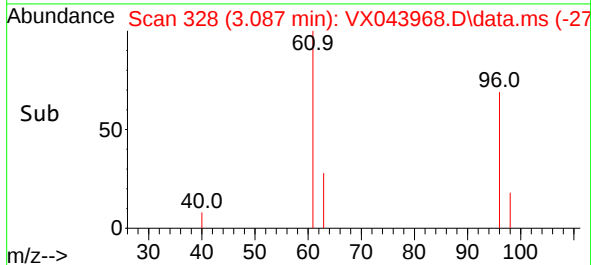
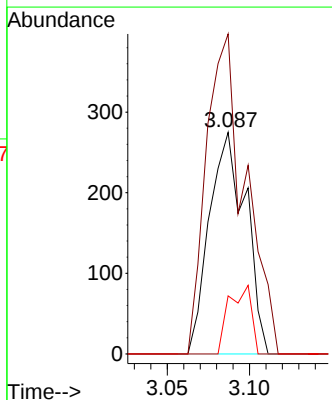
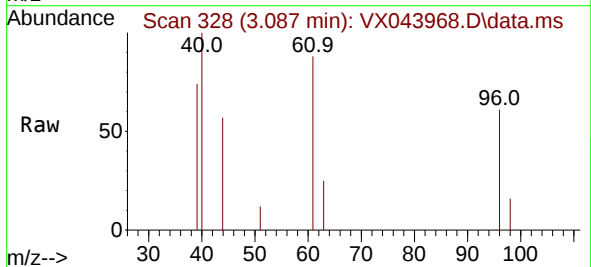


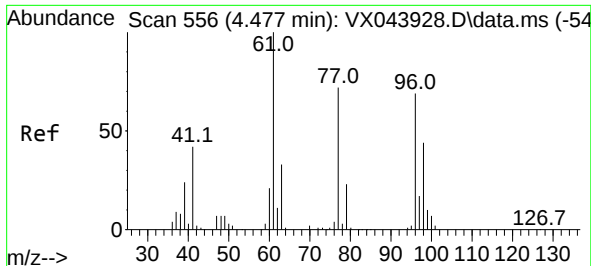
Tgt Ion: 84 Resp: 506
Ion Ratio Lower Upper
84 100
49 78.9 102.7 154.1#
51 46.7 31.7 47.5
86 53.0 53.9 80.9#



#21
trans-1,2-Dichloroethene
Concen: 0.328 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion: 96 Resp: 423
Ion Ratio Lower Upper
96 100
61 144.4 111.8 167.6
98 26.2 52.7 79.1#

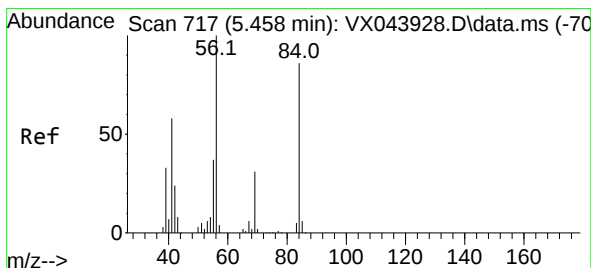
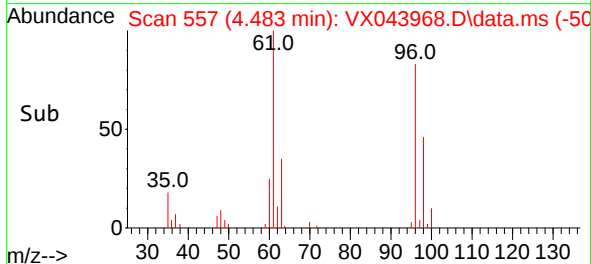
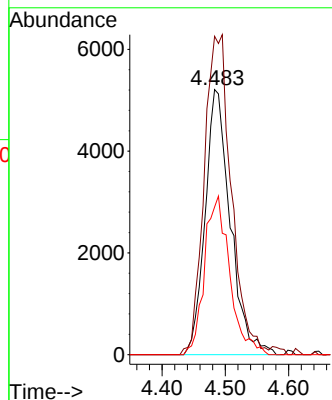
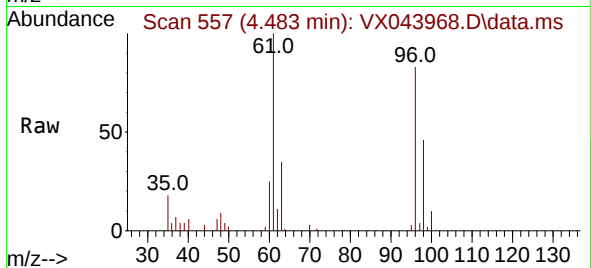




#27
cis-1,2-Dichloroethene
Concen: 9.063 ug/l
RT: 4.483 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

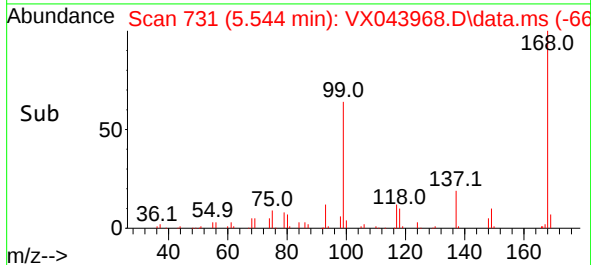
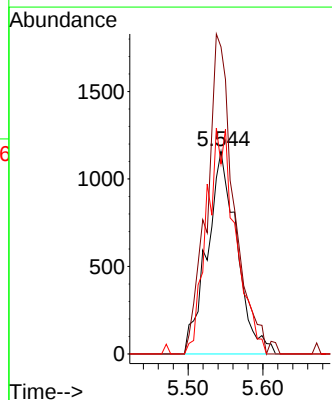
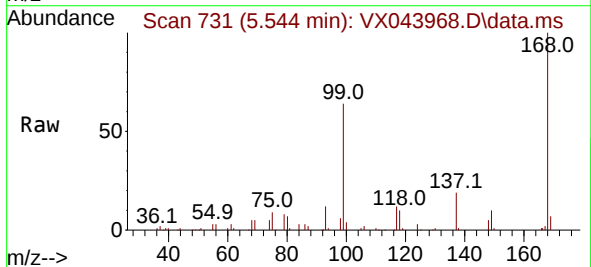
Instrument :
MSVOA_X
ClientSampleId :

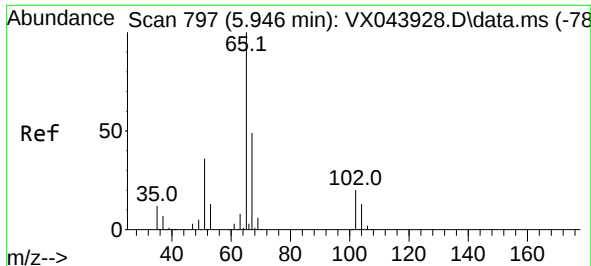
Tgt Ion:	96	Resp:	14439
Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	297.4
98	59.8	0.0	127.8



#31
Cyclohexane
Concen: 1.547 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion:	56	Resp:	3203
Ion	Ratio	Lower	Upper
56	100		
69	151.6	24.7	37.1#
84	93.8	68.7	103.1





#33

1,2-Dichloroethane-d4

Concen: 52.402 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX043968.D

Acq: 22 Nov 2024 18:25

Instrument :

MSVOA_X

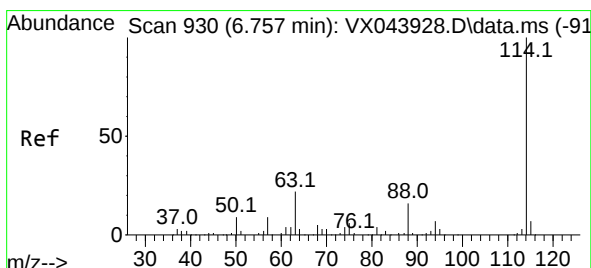
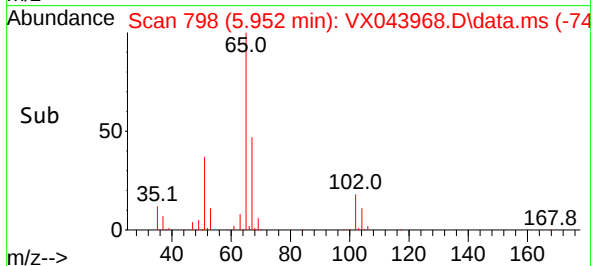
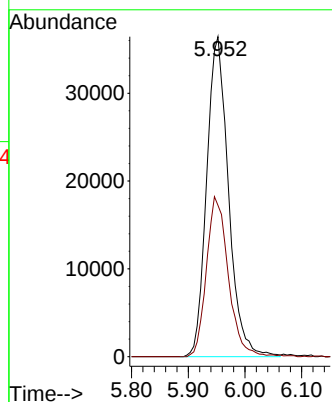
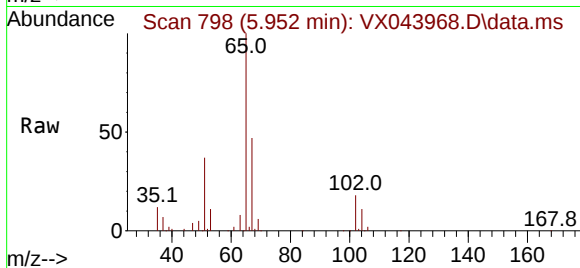
ClientSampleId :

Tgt Ion: 65 Resp: 97377

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043968.D

Acq: 22 Nov 2024 18:25

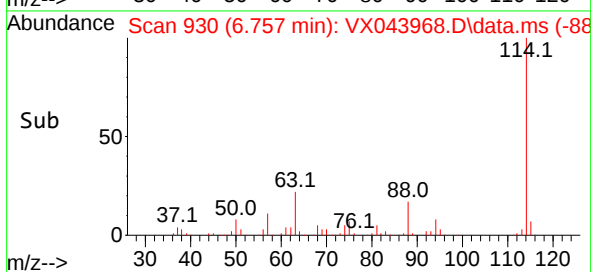
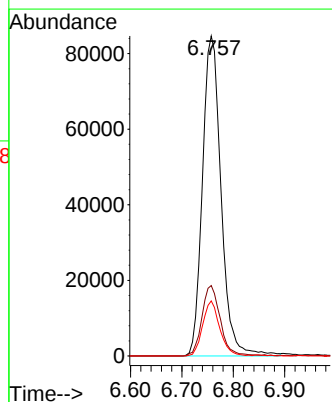
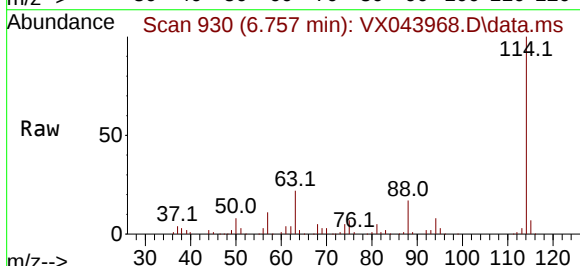
Tgt Ion: 114 Resp: 213438

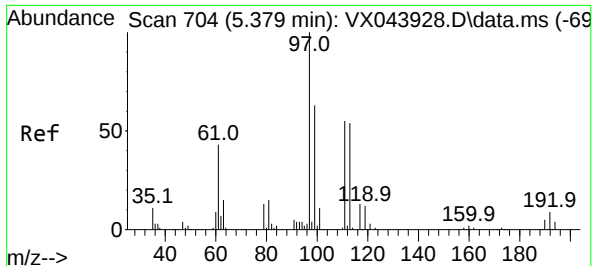
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 17.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.793 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043968.D

Acq: 22 Nov 2024 18:25

Instrument :

MSVOA_X

ClientSampleId :

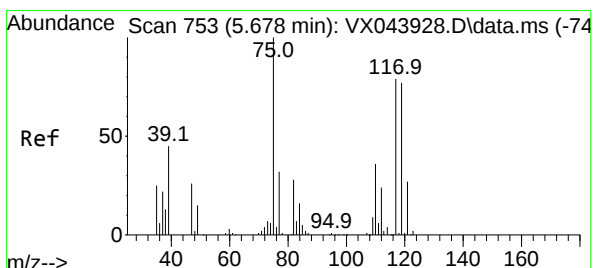
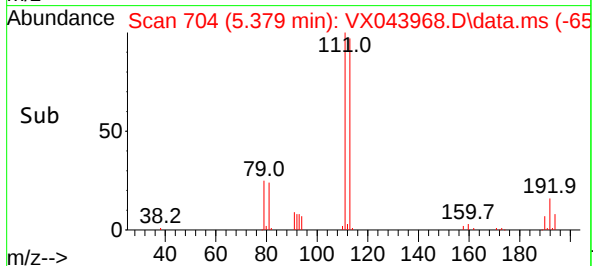
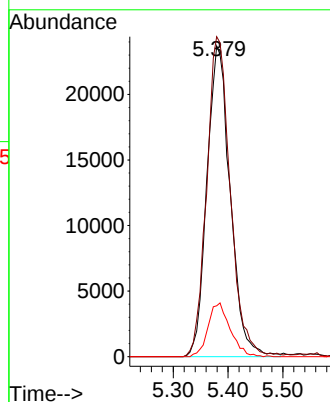
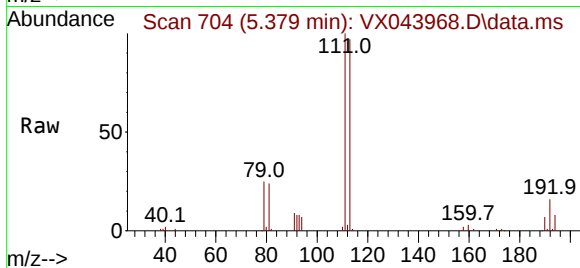
Tgt Ion:113 Resp: 69840

Ion Ratio Lower Upper

113 100

111 104.5 81.0 121.4

192 16.5 13.0 19.6



#36

1,1-Dichloropropene

Concen: 5.373 ug/l

RT: 5.532 min Scan# 729

Delta R.T. -0.146 min

Lab File: VX043968.D

Acq: 22 Nov 2024 18:25

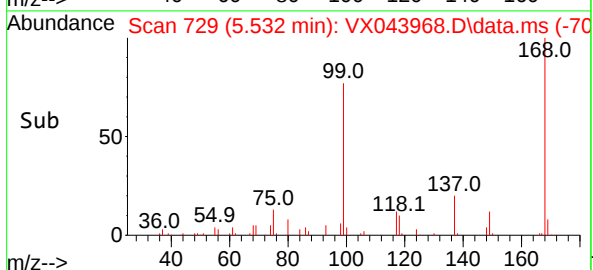
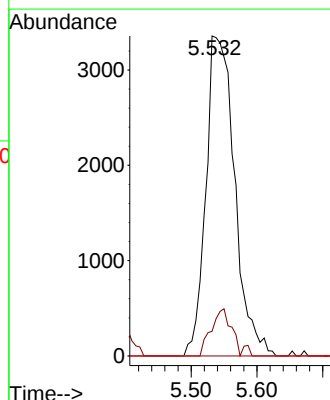
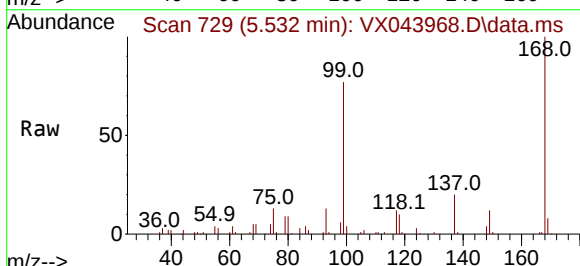
Tgt Ion: 75 Resp: 10211

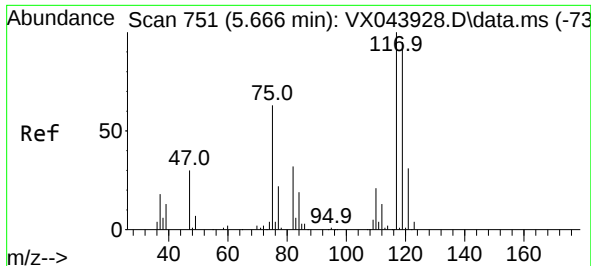
Ion Ratio Lower Upper

75 100

110 11.0 17.4 52.2#

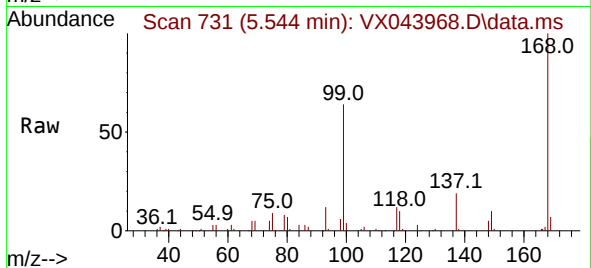
77 0.0 25.8 38.8#



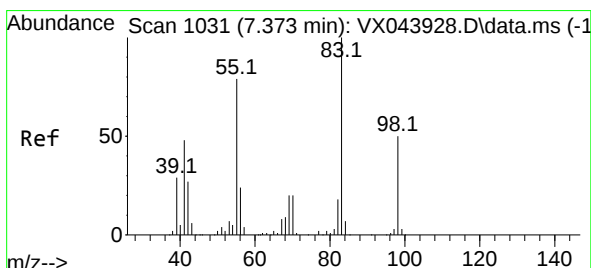
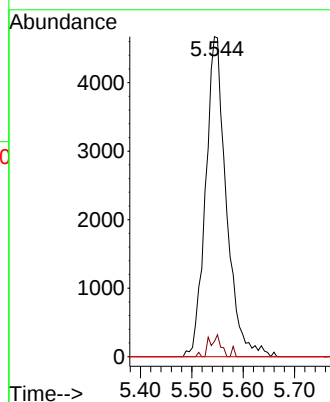
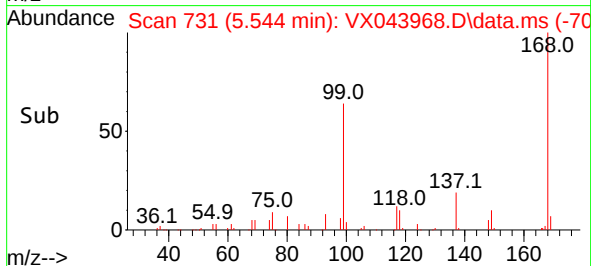


#38
Carbon Tetrachloride
Concen: 6.143 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Instrument :
MSVOA_X
ClientSampleId :

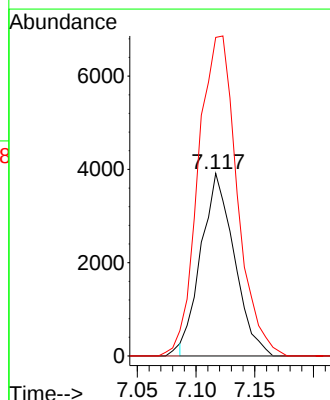
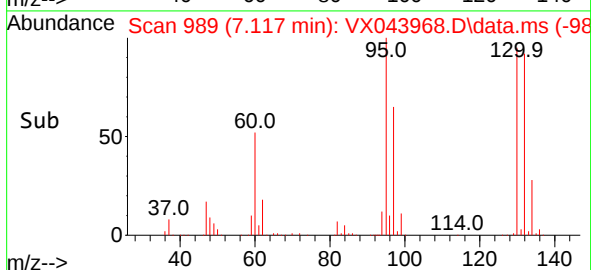
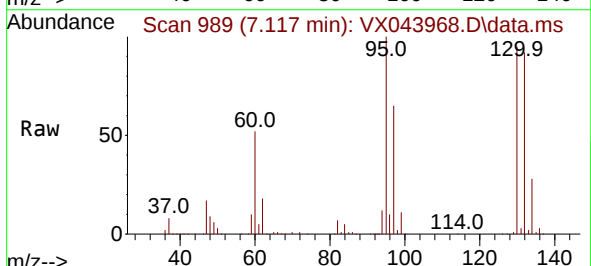


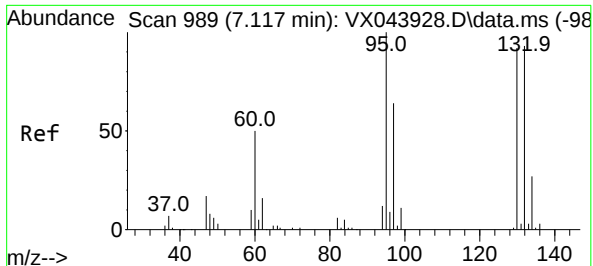
Tgt Ion:117 Resp: 13119
Ion Ratio Lower Upper
117 100
119 4.8 75.2 112.8#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 3.115 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion: 83 Resp: 7691
Ion Ratio Lower Upper
83 100
55 0.0 63.1 94.7#
98 172.2 40.0 60.0#

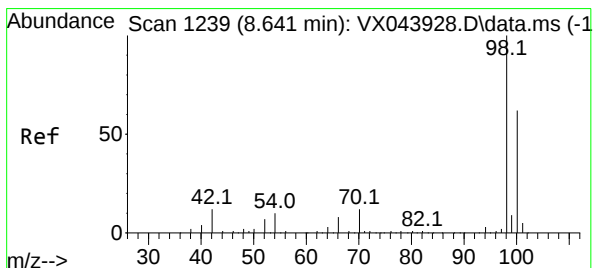
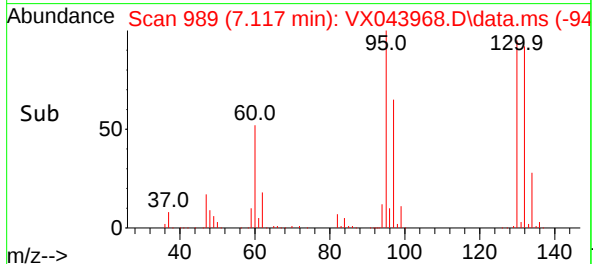
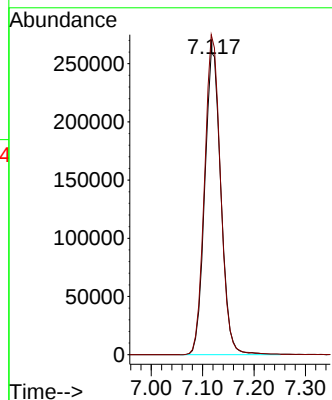
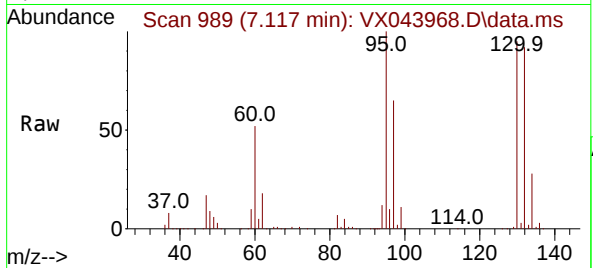




#44
Trichloroethene
Concen: 340.966 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

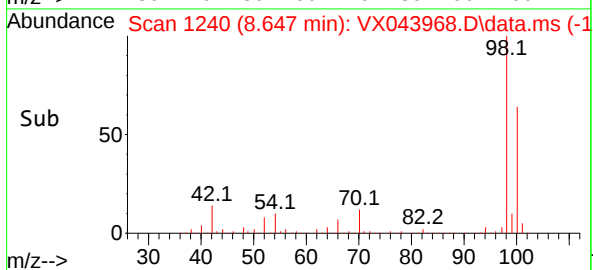
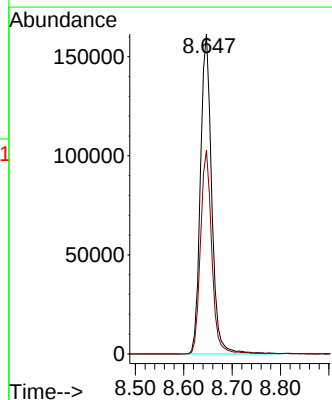
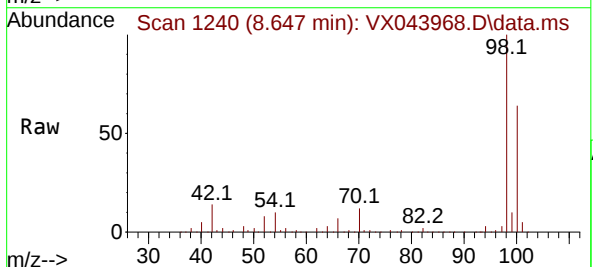
Instrument :
MSVOA_X
ClientSampleId :

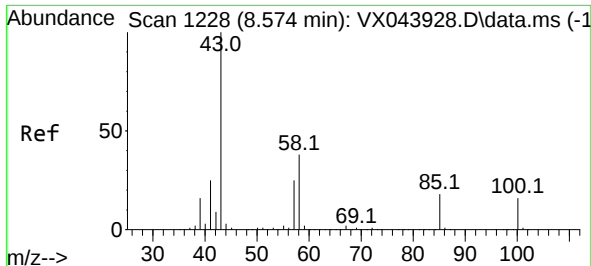
Tgt Ion:130 Resp: 571405
Ion Ratio Lower Upper
130 100
95 105.8 0.0 217.8



#50
Toluene-d8
Concen: 49.614 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion: 98 Resp: 260832
Ion Ratio Lower Upper
98 100
100 63.6 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 0.651 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX043968.D

Acq: 22 Nov 2024 18:25

Instrument :

MSVOA_X

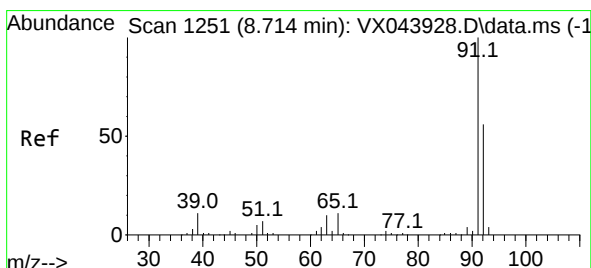
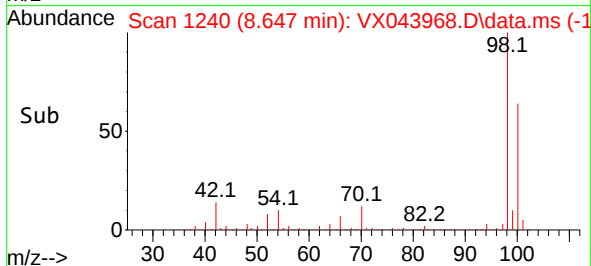
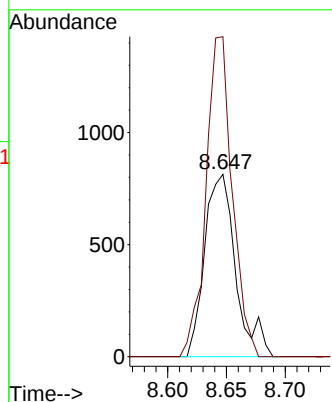
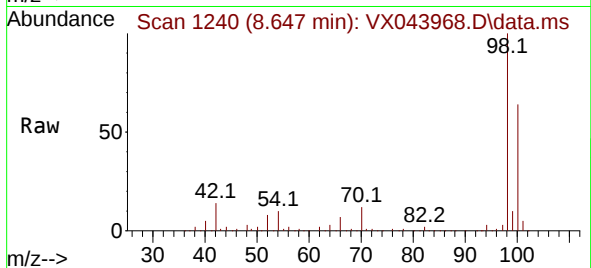
ClientSampleId :

Tgt Ion: 43 Resp: 1492

Ion Ratio Lower Upper

43 100

58 148.7 30.0 45.0#



#52

Toluene

Concen: 0.508 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX043968.D

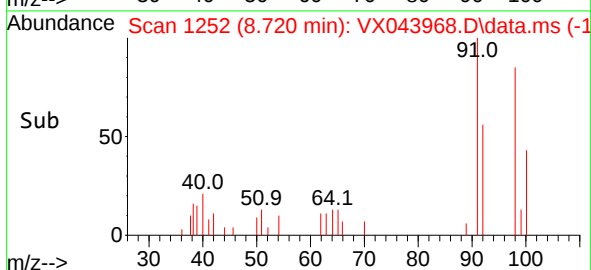
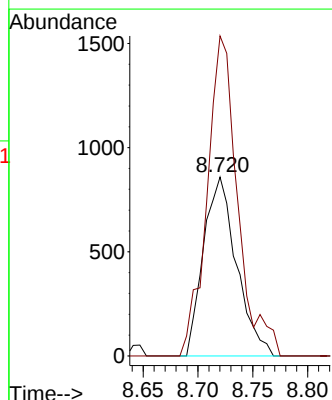
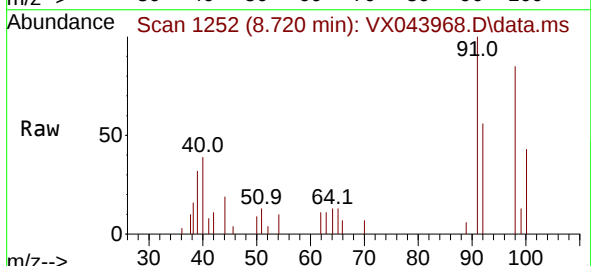
Acq: 22 Nov 2024 18:25

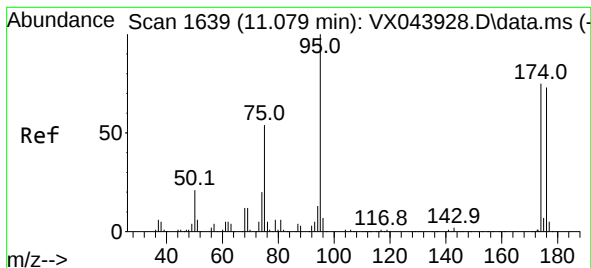
Tgt Ion: 92 Resp: 1801

Ion Ratio Lower Upper

92 100

91 165.9 139.7 209.5

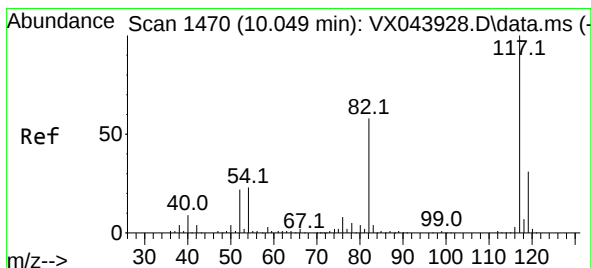
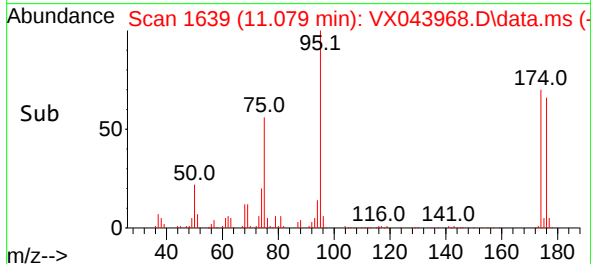
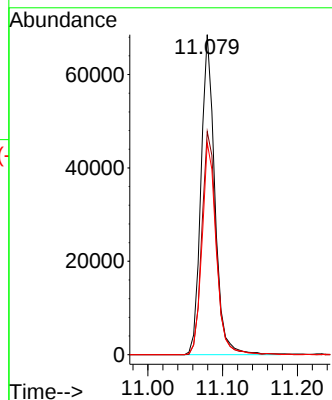
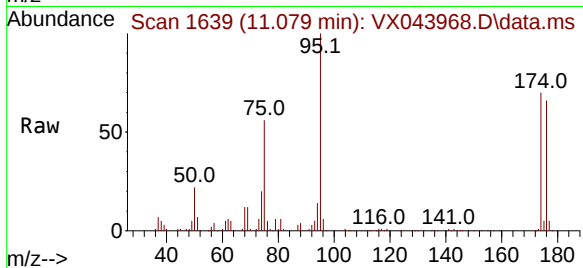




#62
4-Bromofluorobenzene
Concen: 49.166 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

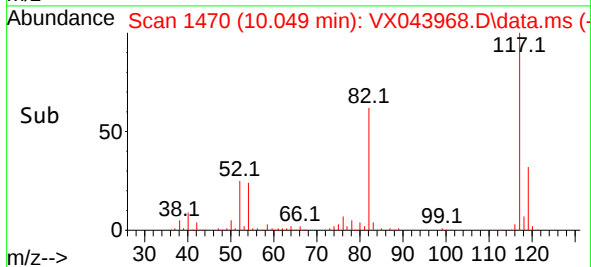
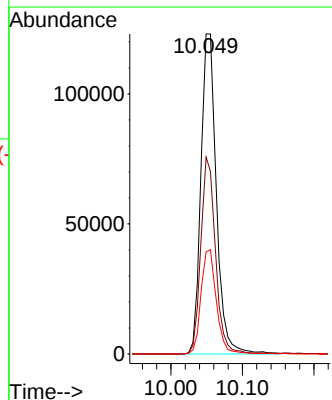
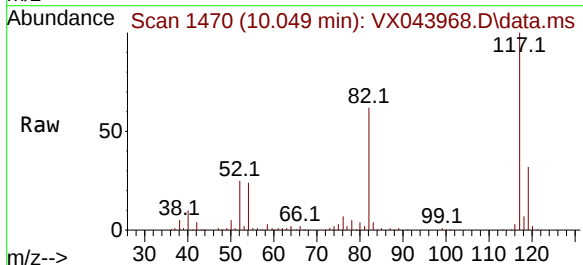
Instrument :
MSVOA_X
ClientSampleId :

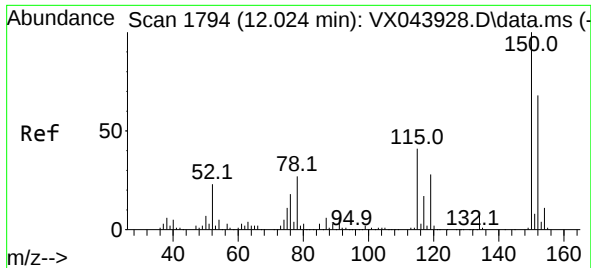
Tgt Ion: 95 Resp: 87967
Ion Ratio Lower Upper
95 100
174 72.7 0.0 150.4
176 68.2 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043968.D
Acq: 22 Nov 2024 18:25

Tgt Ion: 117 Resp: 185232
Ion Ratio Lower Upper
117 100
82 61.5 46.4 69.6
119 31.9 24.6 37.0

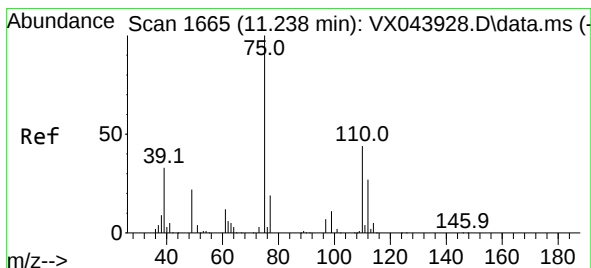
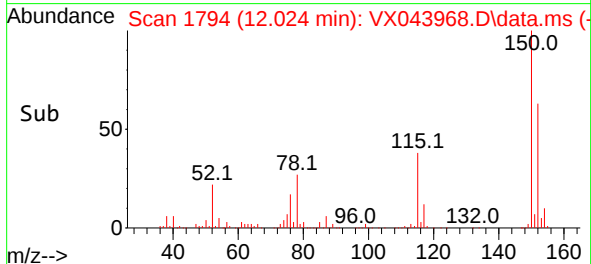
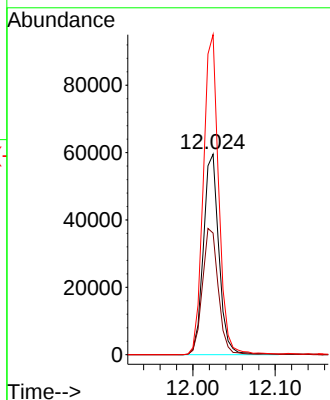
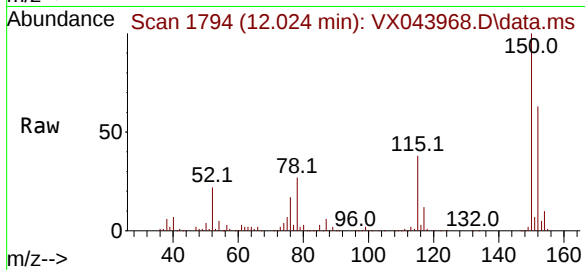




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX043968.D
 Acq: 22 Nov 2024 18:25

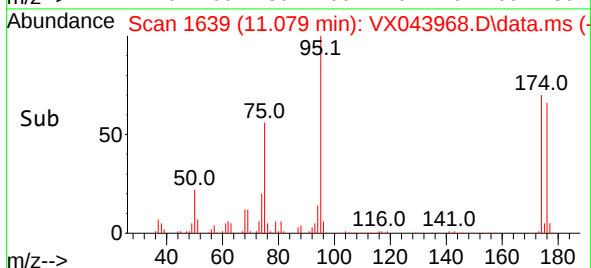
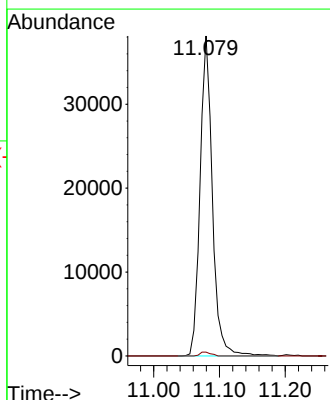
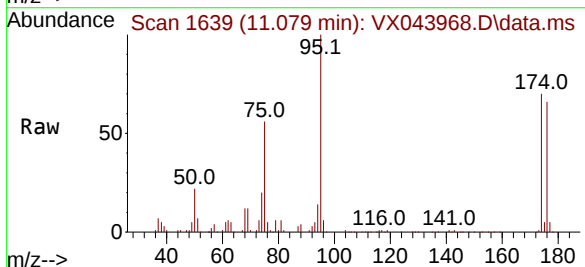
Instrument :
 MSVOA_X
 ClientSampleId :

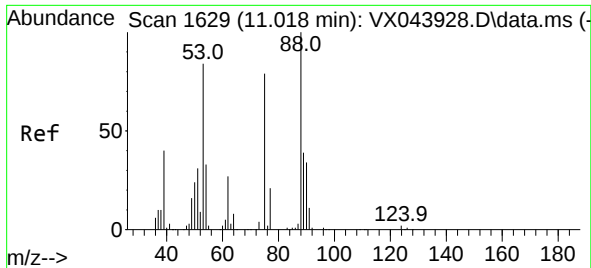
Tgt Ion:152 Resp: 77833
 Ion Ratio Lower Upper
 152 100
 115 64.4 45.4 136.2
 150 158.6 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 29.050 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX043968.D
 Acq: 22 Nov 2024 18:25

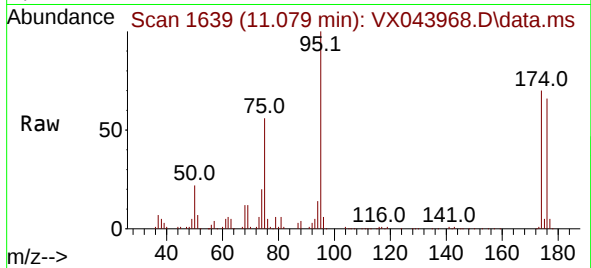
Tgt Ion: 75 Resp: 49584
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.8 65.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.270 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043968.D
 Acq: 22 Nov 2024 18:25

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 49584
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.7 130.1#
 89 0.0 38.2 57.2#

