

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050222\
 Data File : VX028481.D
 Acq On : 02 May 2022 18:22
 Operator : JC/MD
 Sample : N2658-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40817

Quant Time: May 03 04:53:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

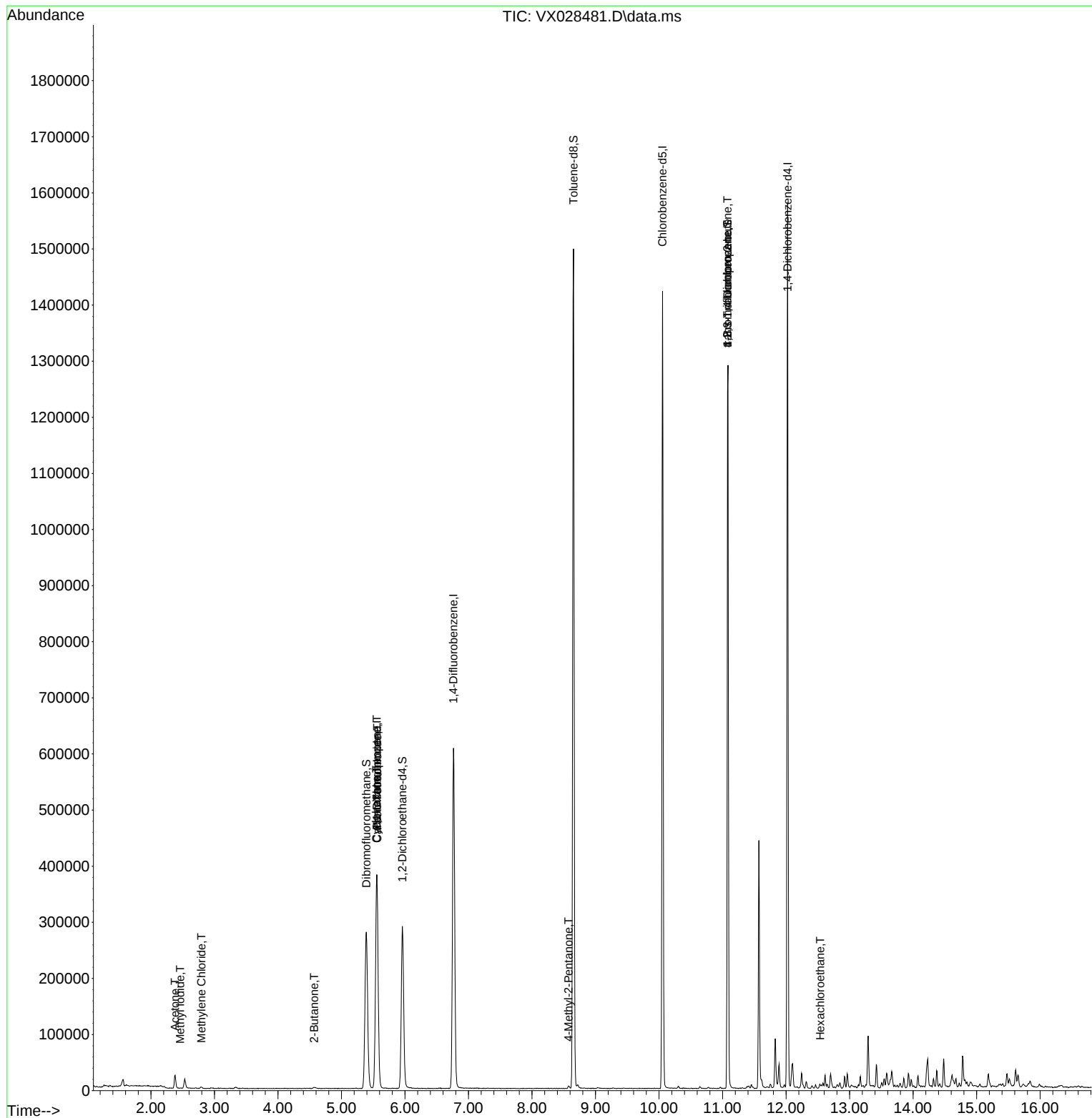
Internal Standards						
1) Pentafluorobenzene	5.556	168	367570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	651820	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	647622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	319007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	270557	56.452	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	112.900%
35) Dibromofluoromethane	5.391	113	245722	53.755	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.500%
50) Toluene-d8	8.653	98	913235	52.016	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.040%
62) 4-Bromofluorobenzene	11.079	95	334682	49.856	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.720%
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	630	Below Cal	#	86
5) Bromomethane	1.618	94	1213	Below Cal		91
6) Chloroethane	1.678	64	404	Below Cal	#	43
10) Methyl Iodide	2.459	142	425	5.328	ug/l #	88
11) Tert butyl alcohol	2.947	59	496	Below Cal	#	72
16) Acetone	2.380	43	24900	15.702	ug/l	91
20) Methylene Chloride	2.794	84	1086	0.305	ug/l #	92
25) 2-Butanone	4.568	43	3897	1.373	ug/l #	86
31) Cyclohexane	5.550	56	7623	1.306	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	27243	4.569	ug/l #	49
38) Carbon Tetrachloride	5.562	117	37253	5.534	ug/l #	14
51) 4-Methyl-2-Pentanone	8.574	43	2852	0.451	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	169757	27.039	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	169757	80.352	ug/l #	15
90) Hexachloroethane	12.536	117	662	1.993	ug/l #	10

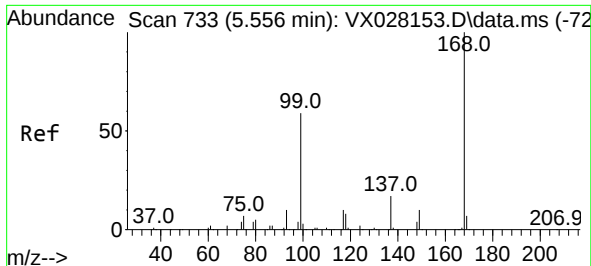
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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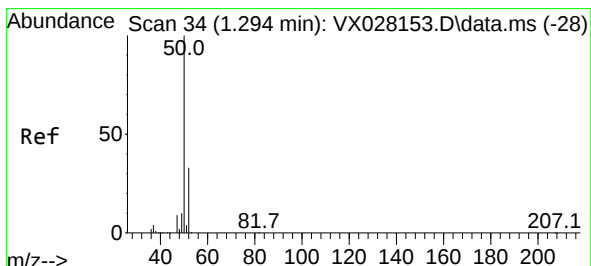
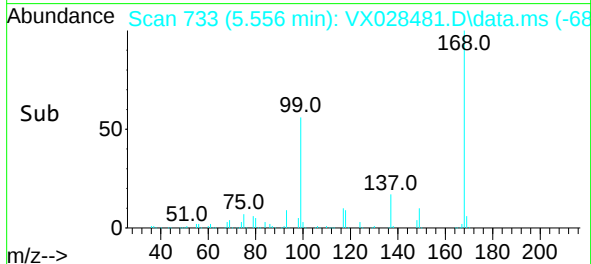
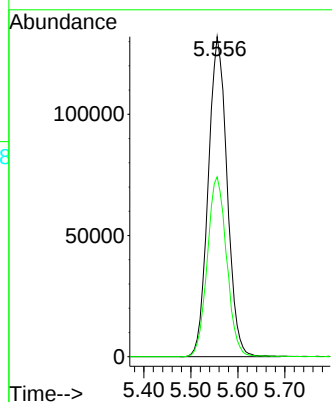
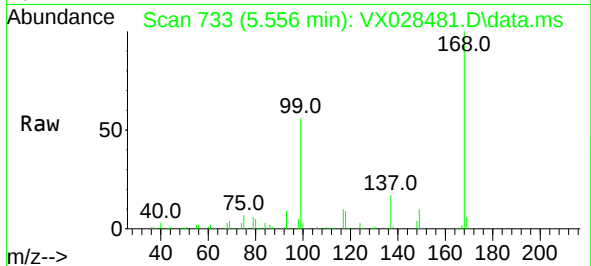




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

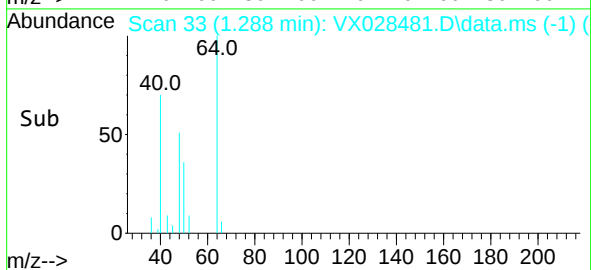
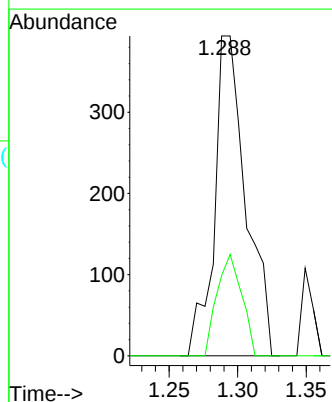
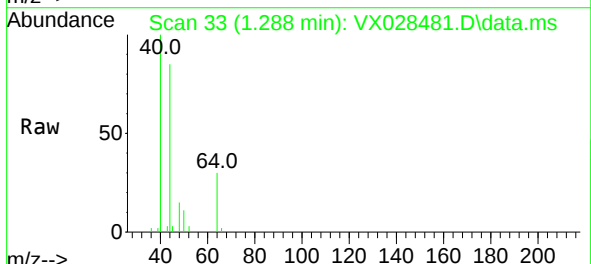
Instrument :
MSVOA_X
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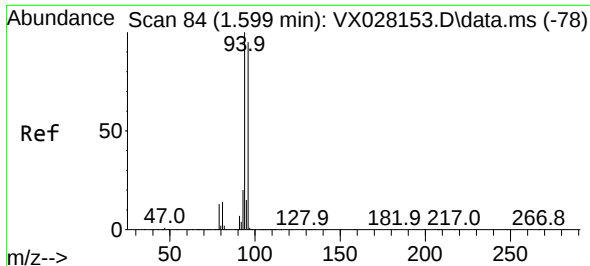
Tgt Ion:168 Resp: 367570
Ion Ratio Lower Upper
168 100
99 56.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

Tgt Ion: 50 Resp: 630
Ion Ratio Lower Upper
50 100
52 25.1 26.4 39.6#

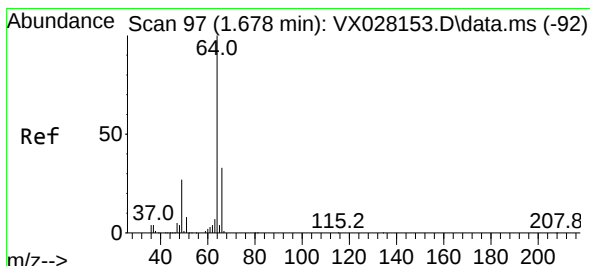
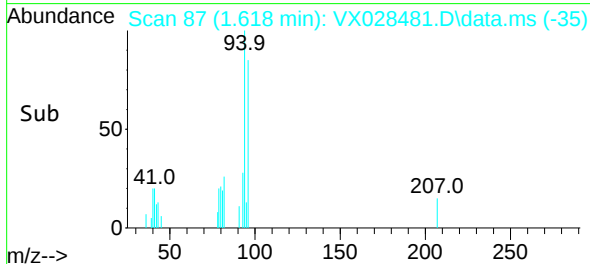
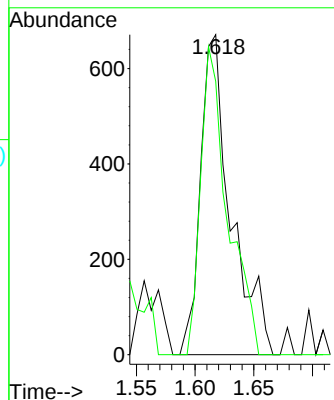
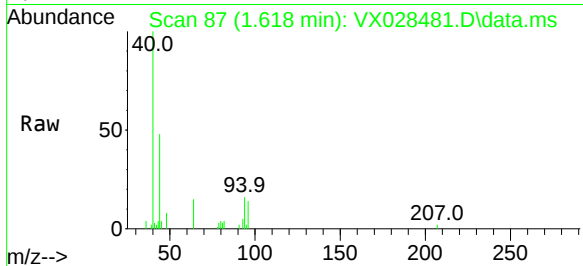




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

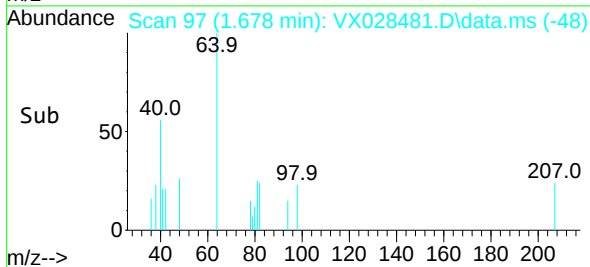
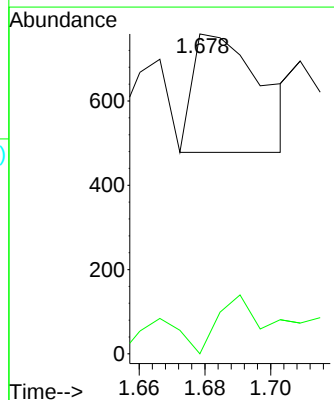
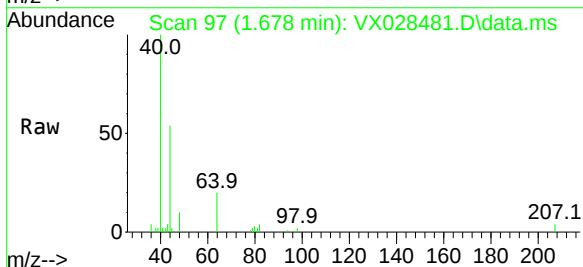
Instrument :
MSVOA_X
ClientSampleId :
40817

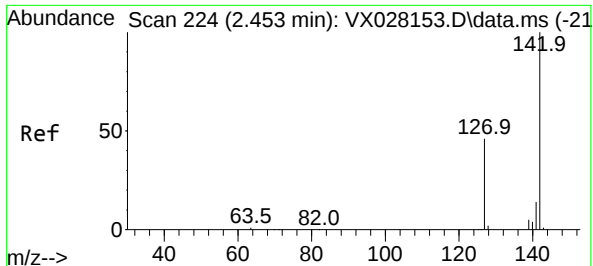
Tgt Ion: 94 Resp: 1213
Ion Ratio Lower Upper
94 100
96 85.4 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

Tgt Ion: 64 Resp: 404
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

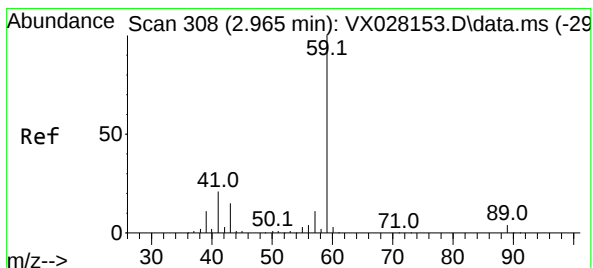
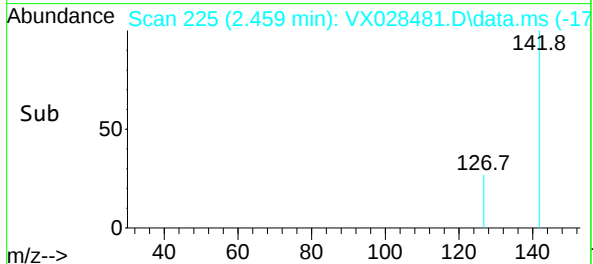
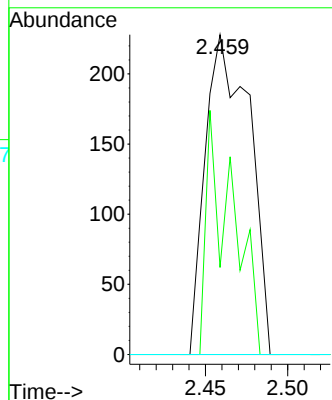
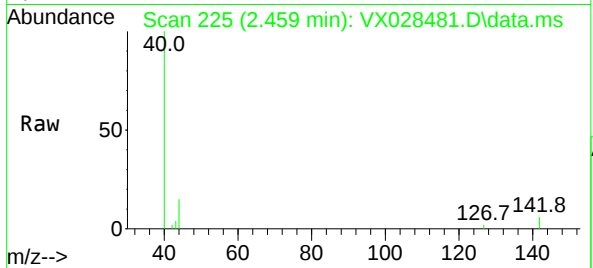




#10
Methyl Iodide
Concen: 5.328 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

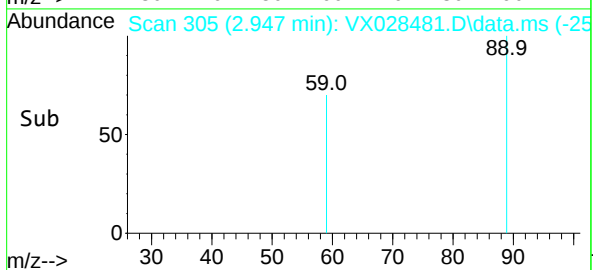
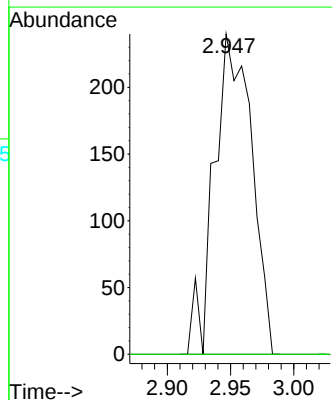
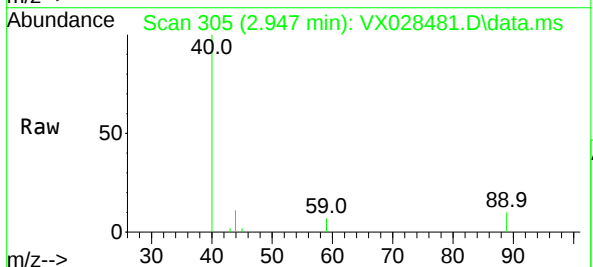
Instrument :
MSVOA_X
ClientSampleId :
40817

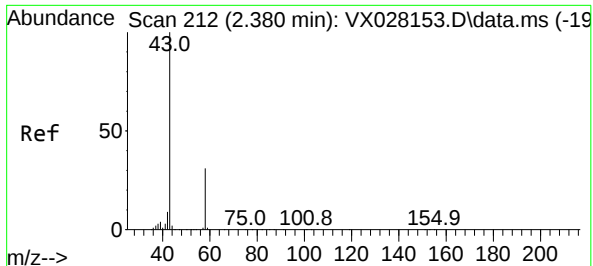
Tgt Ion:142 Resp: 425
Ion Ratio Lower Upper
142 100
127 45.2 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

Tgt Ion: 59 Resp: 496
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

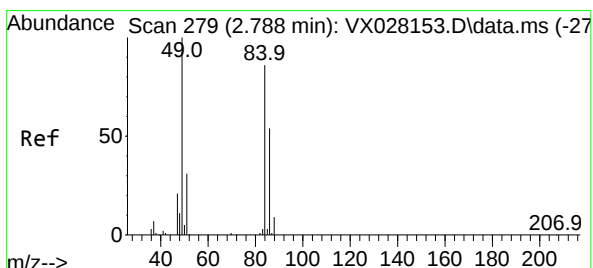
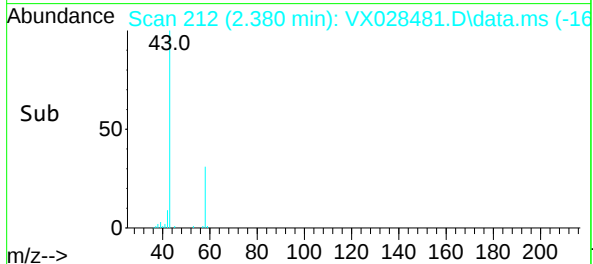
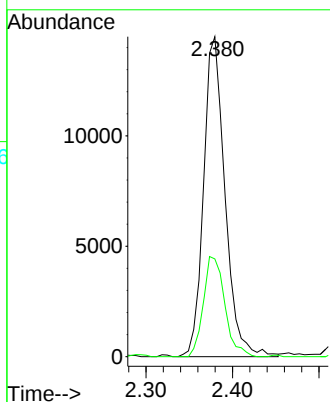
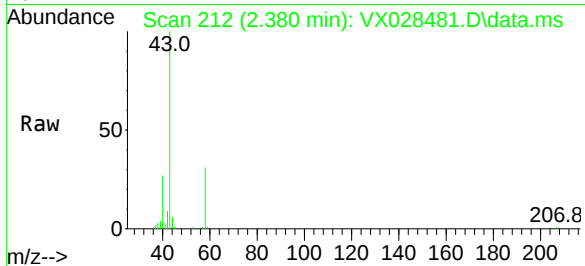




#16
Acetone
Concen: 15.702 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

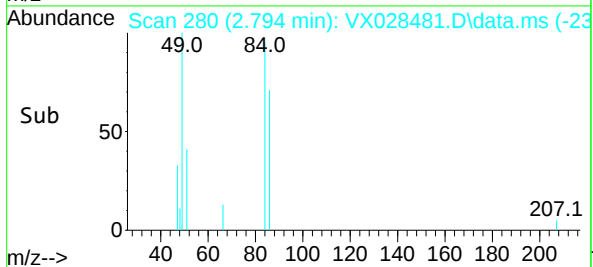
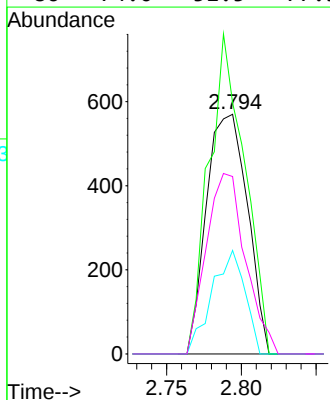
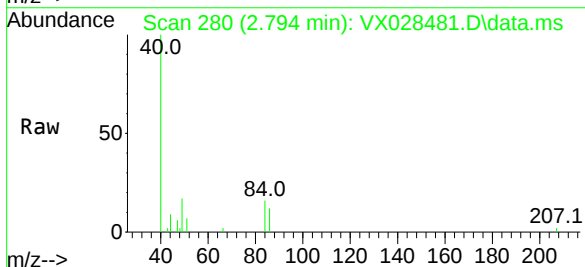
Instrument :
MSVOA_X
ClientSampleId :
40817

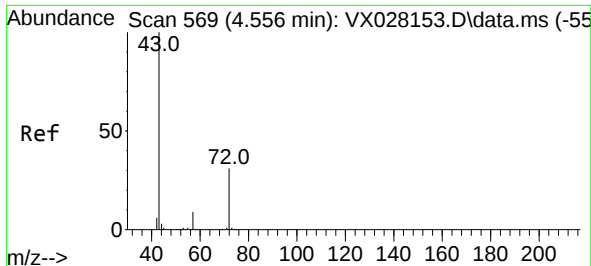
Tgt Ion: 43 Resp: 24900
Ion Ratio Lower Upper
43 100
58 30.6 28.8 43.2



#20
Methylene Chloride
Concen: 0.305 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

Tgt Ion: 84 Resp: 1086
Ion Ratio Lower Upper
84 100
49 104.7 85.5 128.3
51 43.2 26.6 39.8#
86 74.0 51.5 77.3





#25

2-Butanone

Concen: 1.373 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028481.D

Acq: 02 May 2022 18:22

Instrument :

MSVOA_X

ClientSampleId :

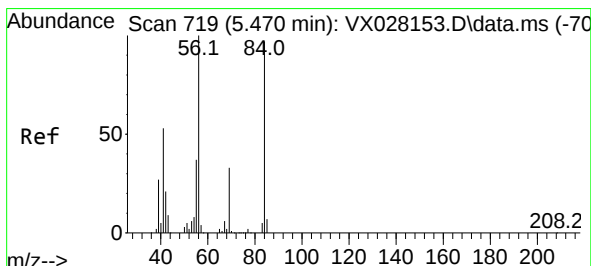
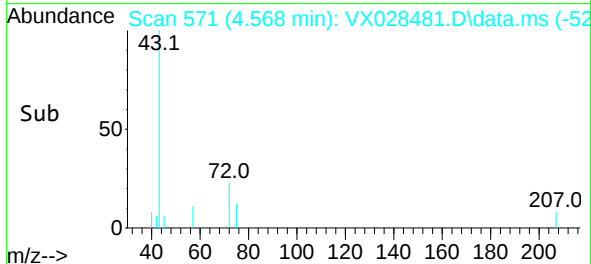
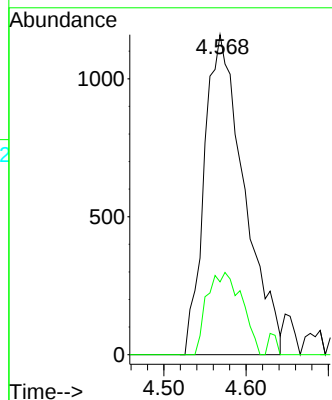
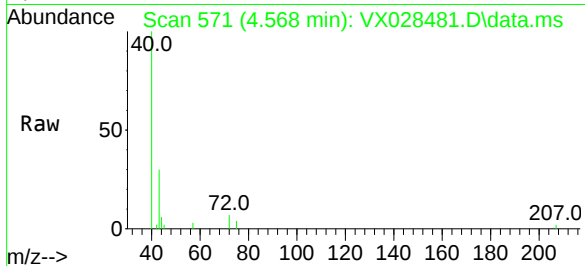
40817

Tgt Ion: 43 Resp: 3897

Ion Ratio Lower Upper

43 100

72 22.8 24.4 36.6#



#31

Cyclohexane

Concen: 1.306 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028481.D

Acq: 02 May 2022 18:22

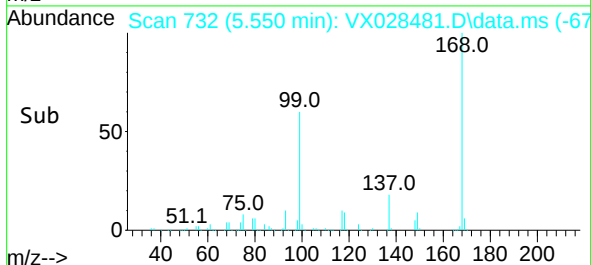
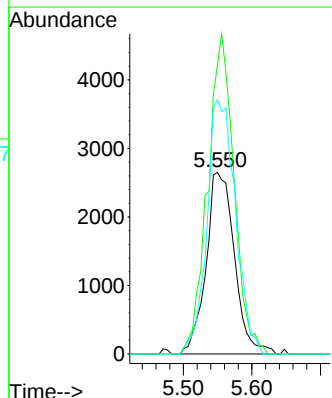
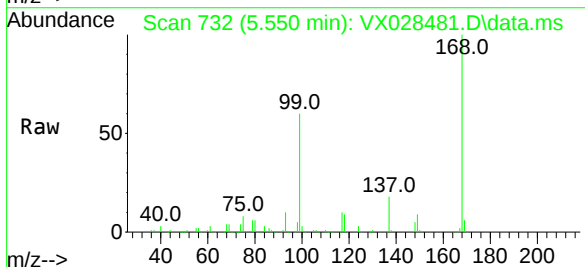
Tgt Ion: 56 Resp: 7623

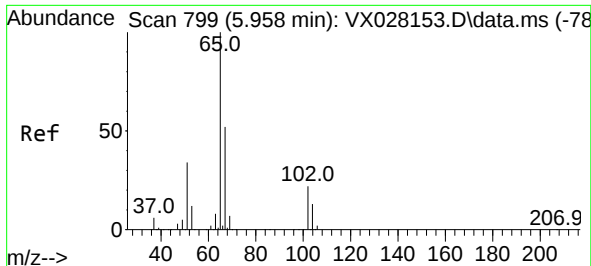
Ion Ratio Lower Upper

56 100

69 159.3 26.7 40.1#

84 139.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 56.452 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028481.D

Acq: 02 May 2022 18:22

Instrument :

MSVOA_X

ClientSampleId :

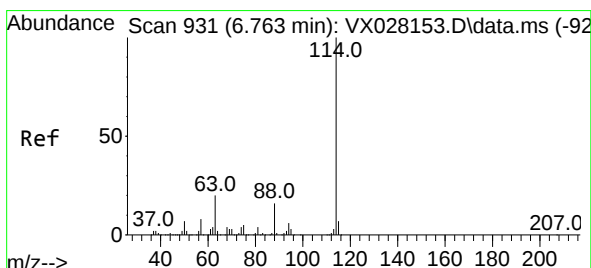
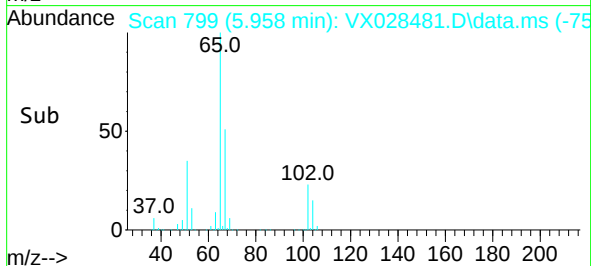
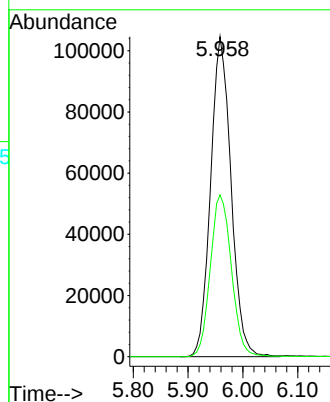
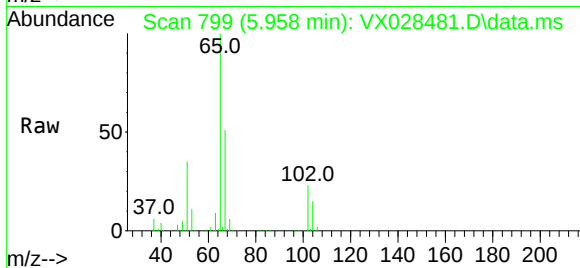
40817

Tgt Ion: 65 Resp: 270557

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028481.D

Acq: 02 May 2022 18:22

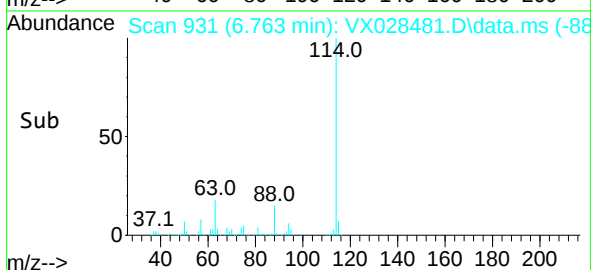
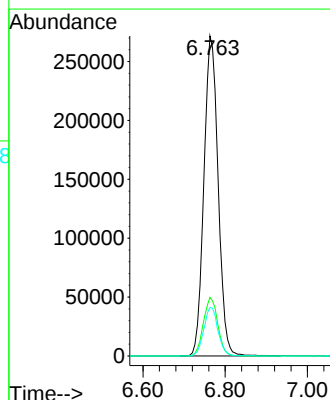
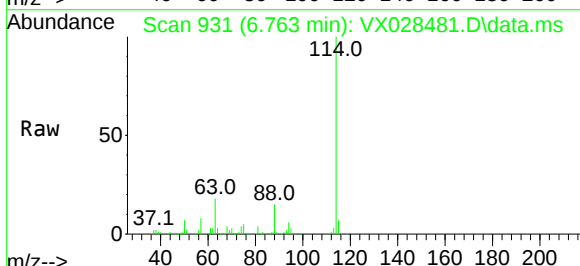
Tgt Ion: 114 Resp: 651820

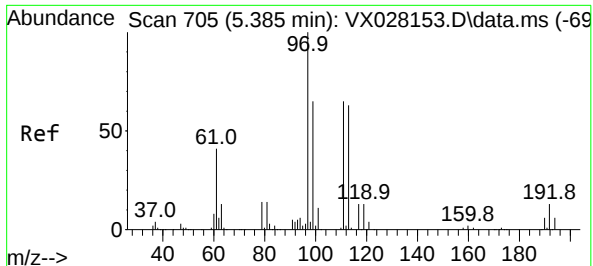
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 15.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.755 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028481.D

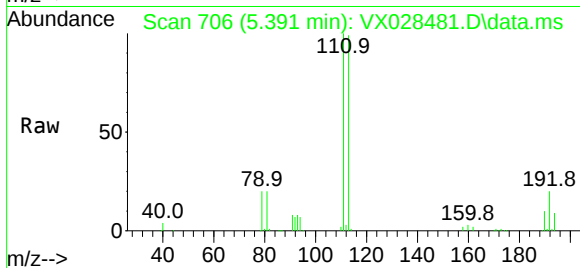
Acq: 02 May 2022 18:22

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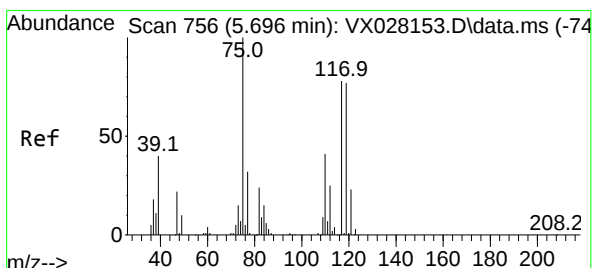
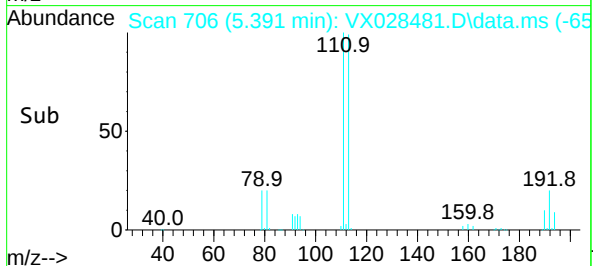
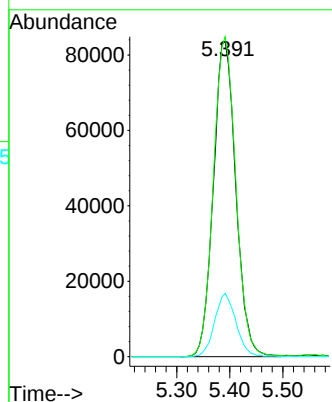
Tgt Ion:113 Resp: 245722

Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

192 19.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.569 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028481.D

Acq: 02 May 2022 18:22

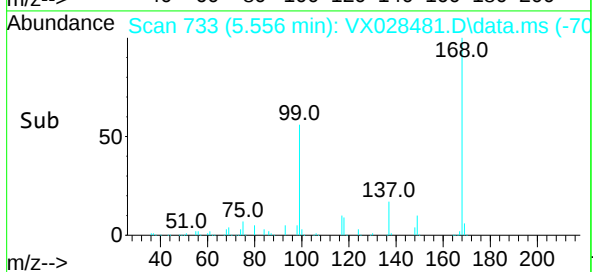
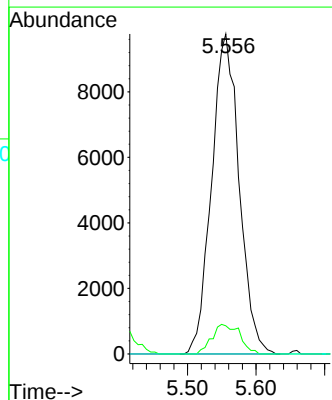
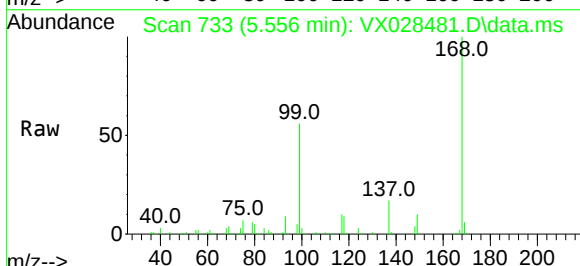
Tgt Ion: 75 Resp: 27243

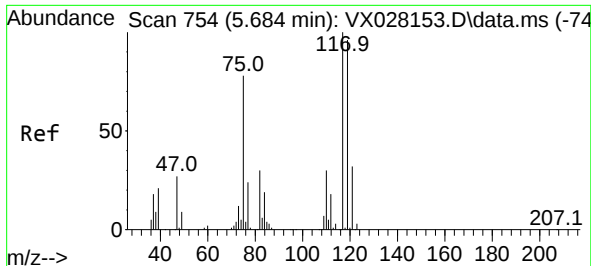
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 24.8 37.2#

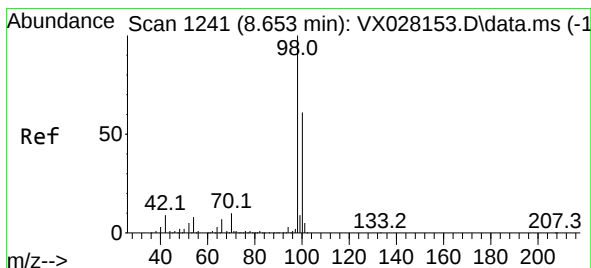
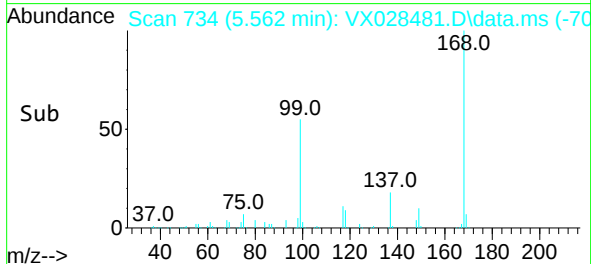
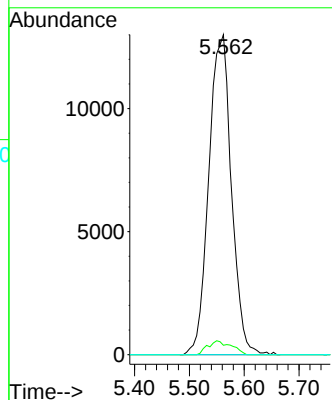
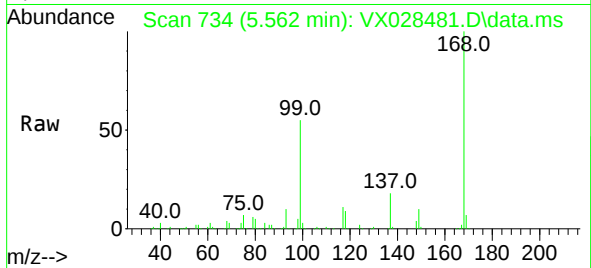




#38
Carbon Tetrachloride
Concen: 5.534 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

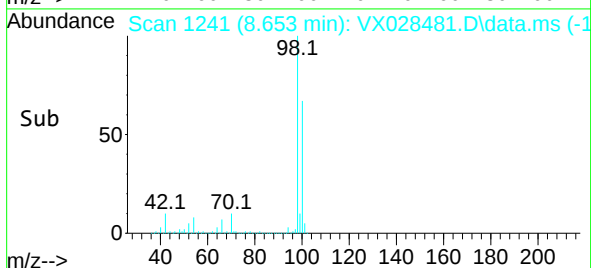
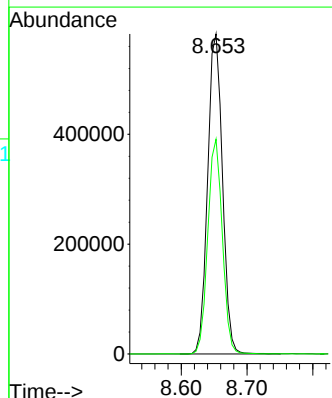
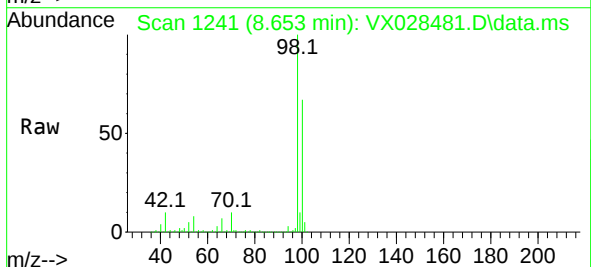
Instrument :
MSVOA_X
ClientSampleId :
40817

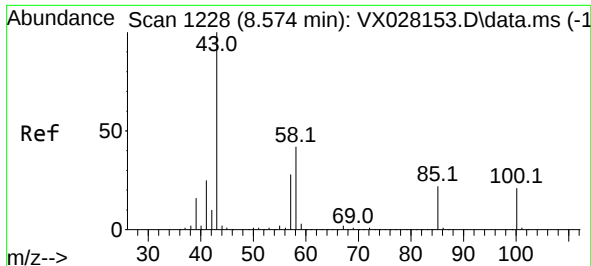
Tgt Ion:117 Resp: 37253
Ion Ratio Lower Upper
117 100
119 2.9 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.016 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

Tgt Ion: 98 Resp: 913235
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.451 ug/l

RT: 8.574 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX028481.D

Acq: 02 May 2022 18:22

Instrument :

MSVOA_X

ClientSampleId :

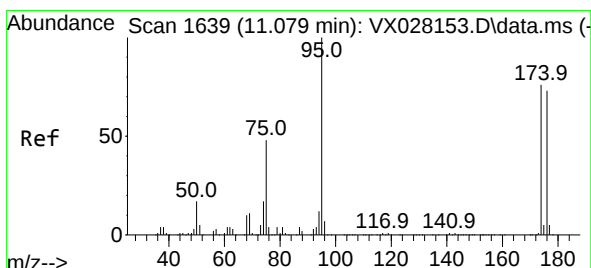
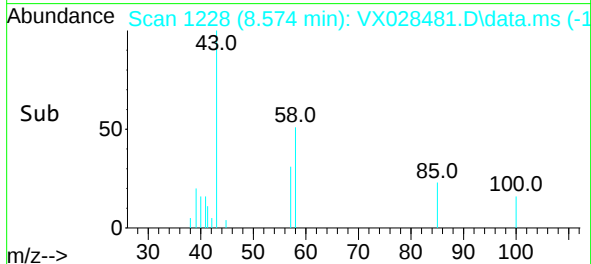
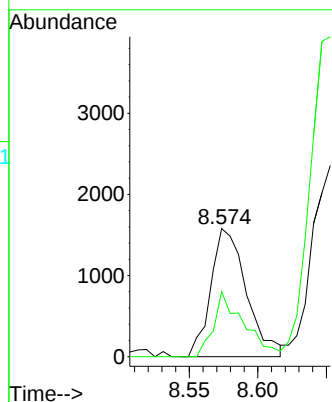
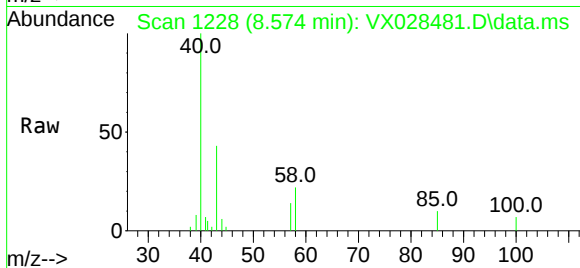
40817

Tgt Ion: 43 Resp: 2852

Ion Ratio Lower Upper

43 100

58 43.0 36.1 54.1



#62

4-Bromofluorobenzene

Concen: 49.856 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028481.D

Acq: 02 May 2022 18:22

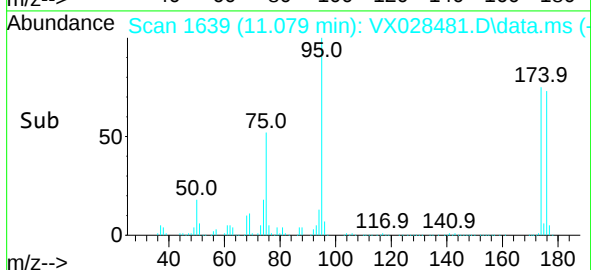
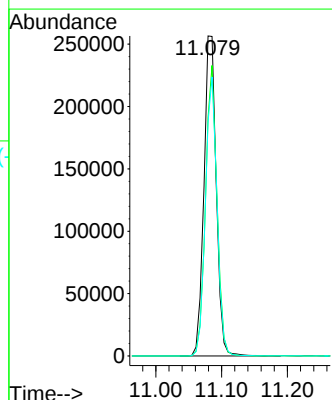
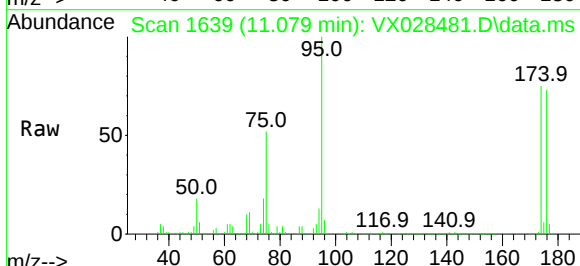
Tgt Ion: 95 Resp: 334682

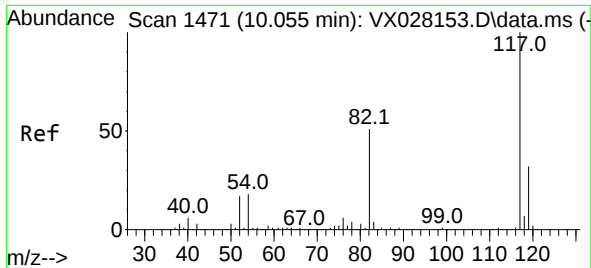
Ion Ratio Lower Upper

95 100

174 84.2 0.0 163.0

176 82.3 0.0 155.0

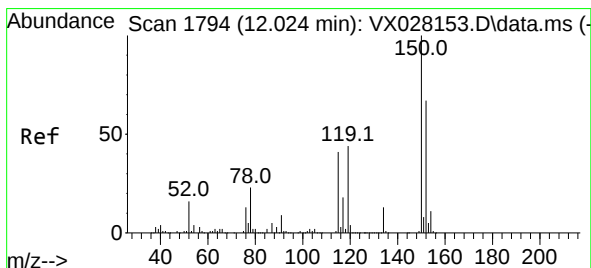
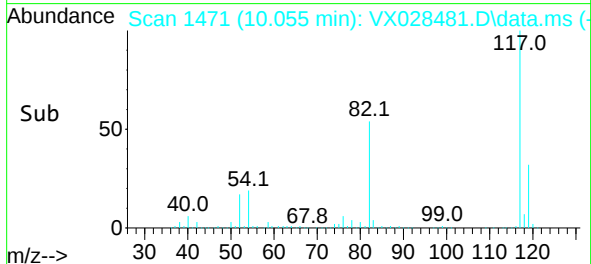
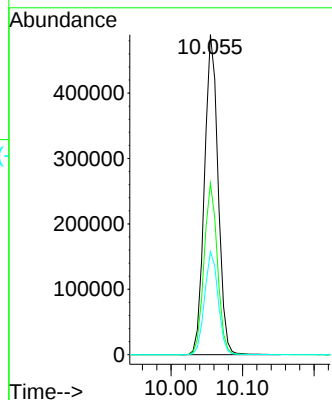
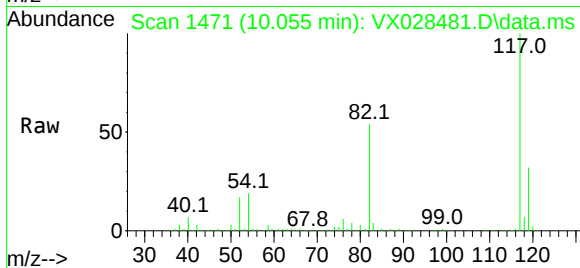




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

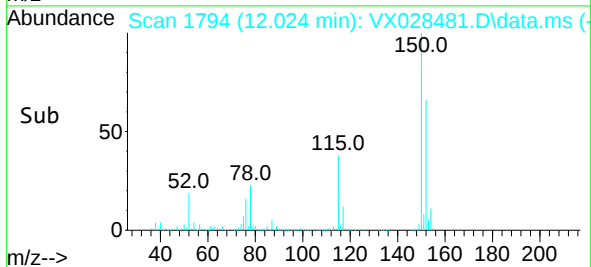
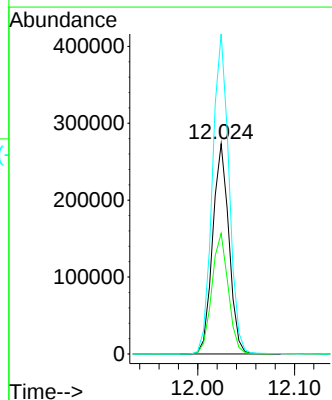
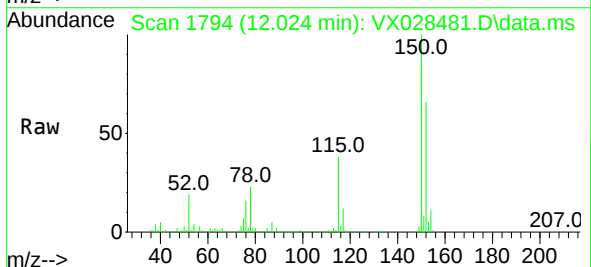
Instrument :
MSVOA_X
ClientSampleId :
40817

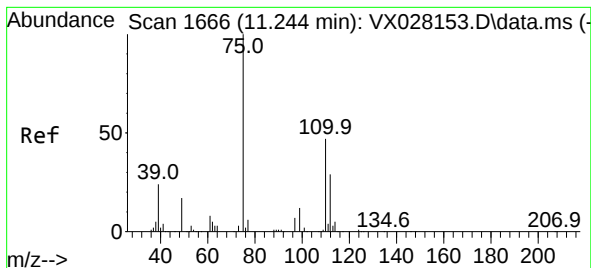
Tgt Ion:117 Resp: 647622
Ion Ratio Lower Upper
117 100
82 53.6 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028481.D
Acq: 02 May 2022 18:22

Tgt Ion:152 Resp: 319007
Ion Ratio Lower Upper
152 100
115 57.9 37.5 112.7
150 155.6 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 27.039 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028481.D

Acq: 02 May 2022 18:22

Instrument :

MSVOA_X

ClientSampleId :

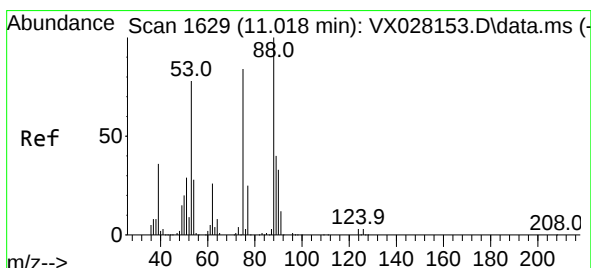
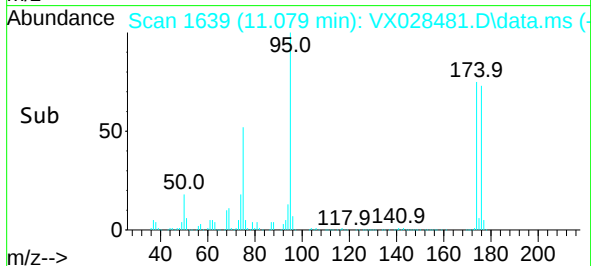
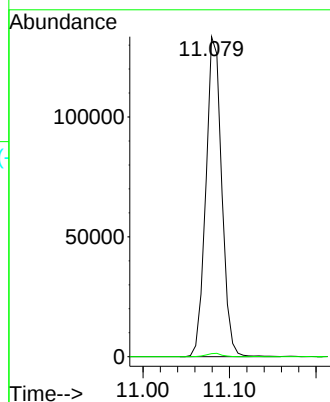
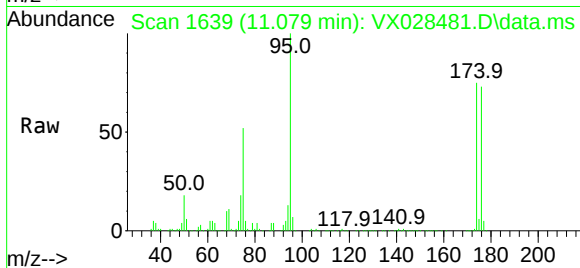
40817

Tgt Ion: 75 Resp: 169757

Ion Ratio Lower Upper

75 100

77 1.0 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.352 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028481.D

Acq: 02 May 2022 18:22

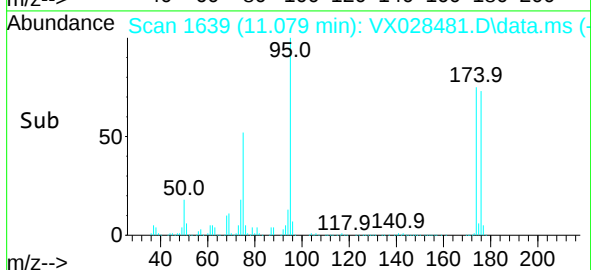
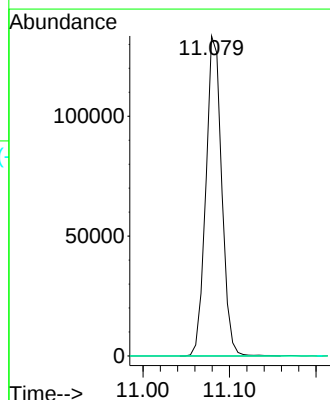
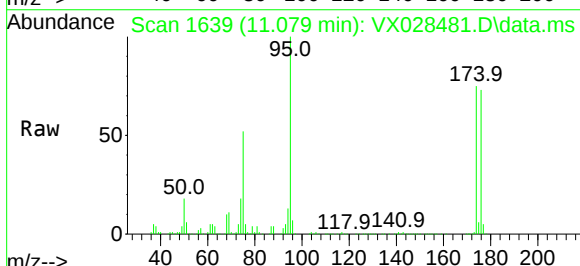
Tgt Ion: 75 Resp: 169757

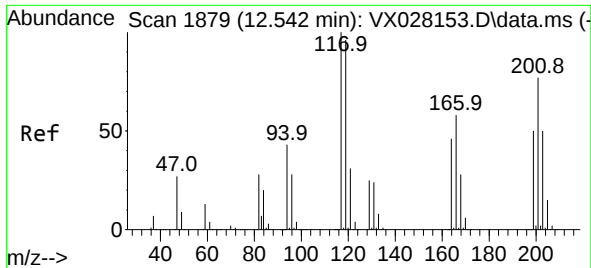
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#





#90
 Hexachloroethane
 Concen: 1.993 ug/l
 RT: 12.536 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX028481.D
 Acq: 02 May 2022 18:22

Instrument :
 MSVOA_X
 ClientSampleId :
 40817

Tgt Ion:117 Resp: 662
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

