

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050222\
 Data File : VX028475.D
 Acq On : 02 May 2022 16:02
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 03 04:51:59 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

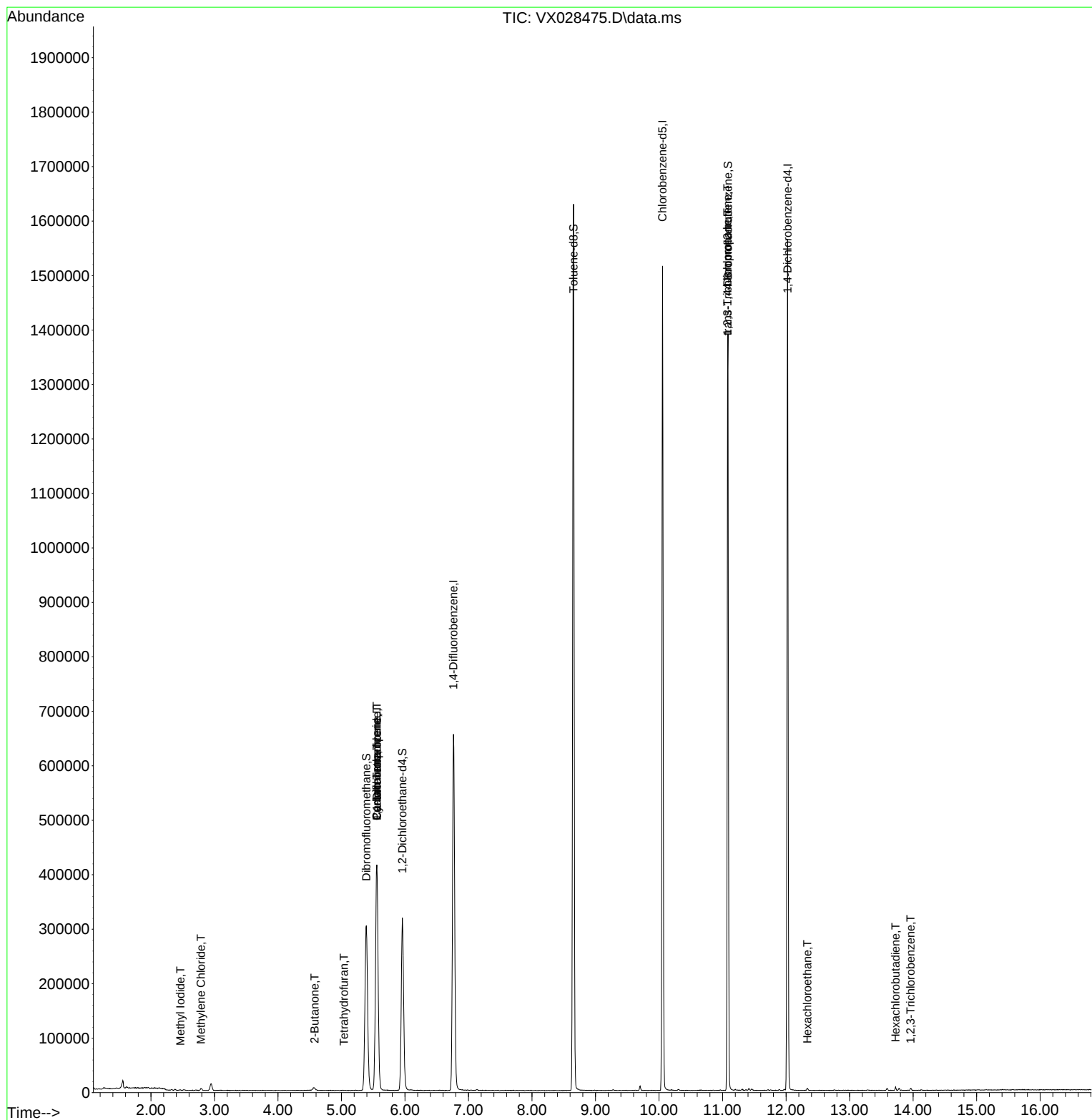
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	407107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	706153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	678001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	323902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	292538	55.111	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.220%	
35) Dibromofluoromethane	5.391	113	264722	53.455	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 106.920%	
50) Toluene-d8	8.653	98	991088	52.107	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.220%	
62) 4-Bromofluorobenzene	11.085	95	358837	49.341	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.680%	
Target Compounds						Qvalue
3) Chloromethane	1.294	50	378	Below Cal		93
5) Bromomethane	1.617	94	1414	Below Cal	#	64
6) Chloroethane	1.685	64	92	Below Cal	#	43
8) Diethyl Ether	1.874	74	21	Below Cal	#	1
10) Methyl Iodide	2.465	142	1219	5.477 ug/l	#	82
11) Tert butyl alcohol	2.947	59	7188	Below Cal	#	73
16) Acetone	2.373	43	2130	Below Cal		92
20) Methylene Chloride	2.788	84	1817	0.461 ug/l	#	88
25) 2-Butanone	4.574	43	782	0.249 ug/l	#	44
29) Tetrahydrofuran	5.038	42	431	0.210 ug/l	#	25
31) Cyclohexane	5.556	56	8281	1.280 ug/l	#	14
36) 1,1-Dichloropropene	5.556	75	31032	4.804 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	39886	5.470 ug/l	#	15
76) 1,2,3-Trichloropropane	11.079	75	177561	27.854 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	177561	82.776 ug/l	#	15
90) Hexachloroethane	12.335	117	25	1.820 ug/l	#	10
94) Hexachlorobutadiene	13.725	225	957	0.333 ug/l		82
96) 1,2,3-Trichlorobenzene	13.963	180	1270	0.201 ug/l		81

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

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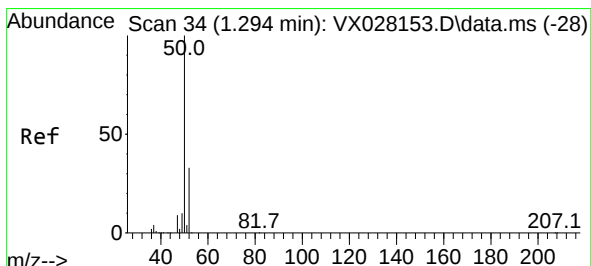
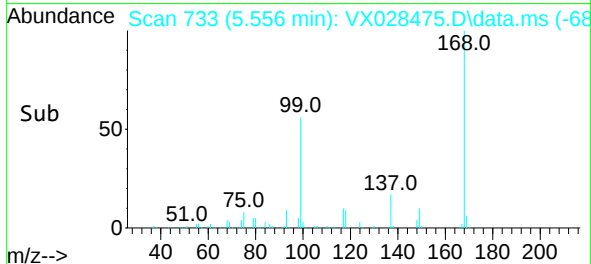
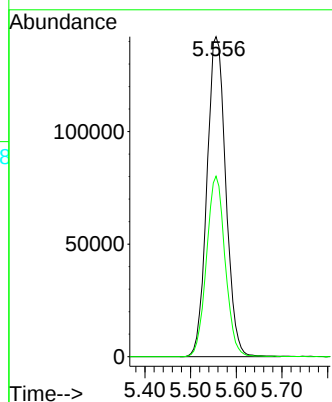
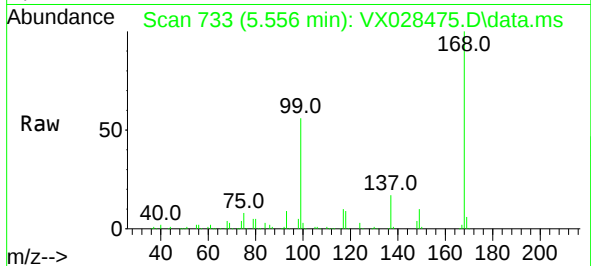




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

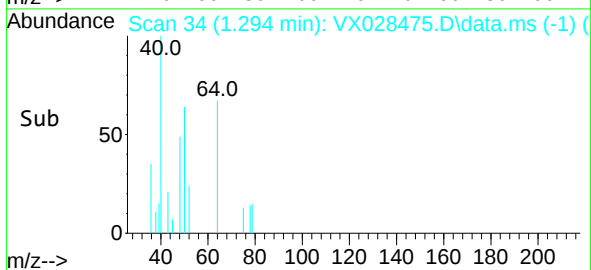
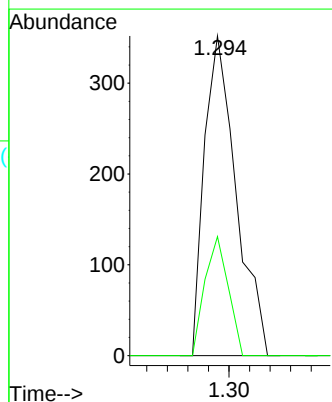
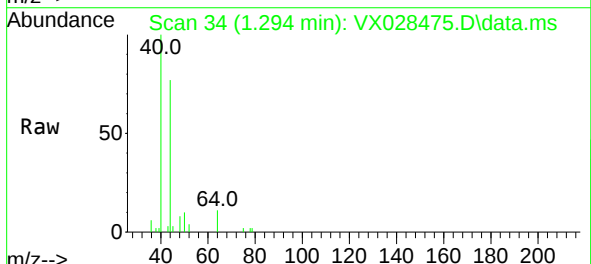
Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion:168 Resp: 407107
Ion Ratio Lower Upper
168 100
99 56.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

Tgt Ion: 50 Resp: 378
Ion Ratio Lower Upper
50 100
52 37.2 26.4 39.6

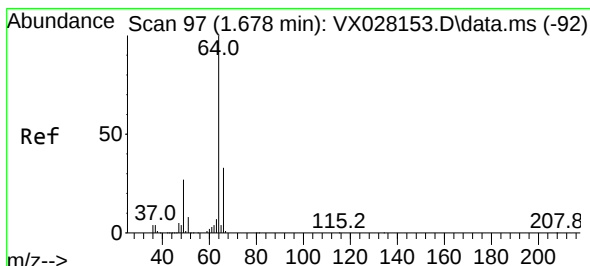
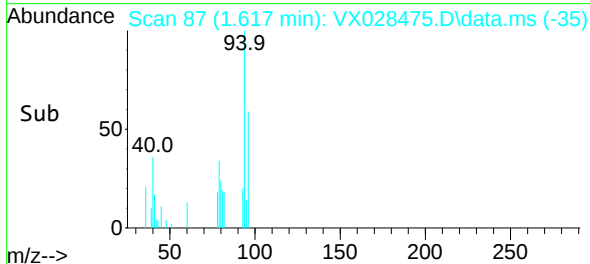
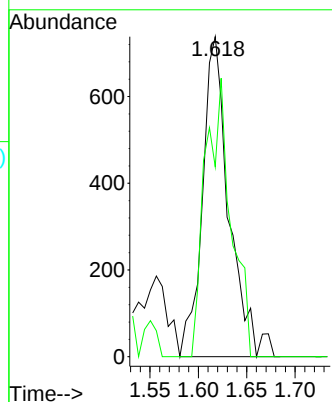
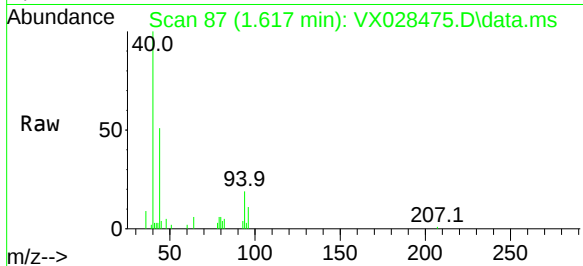




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

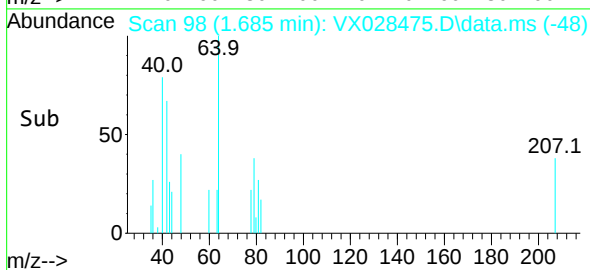
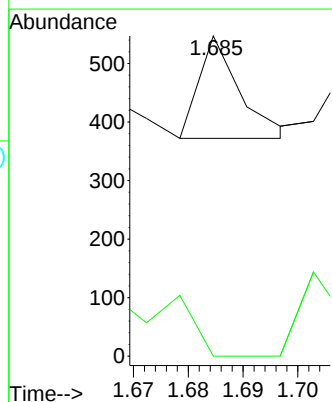
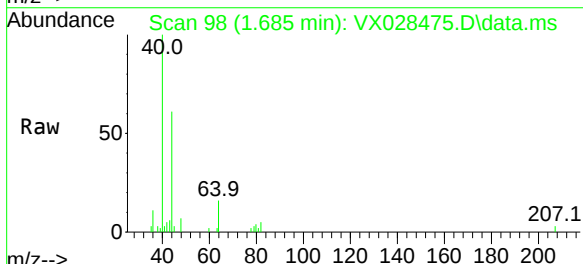
Instrument :
MSVOA_X
ClientSampleId :
IBLK

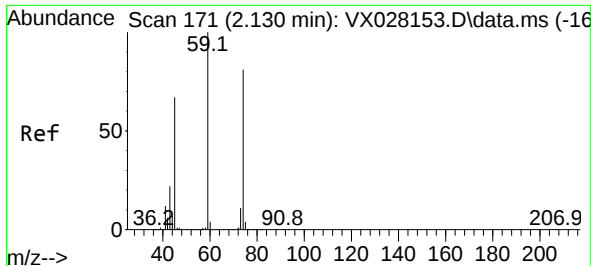
Tgt Ion: 94 Resp: 1414
Ion Ratio Lower Upper
94 100
96 59.3 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

Tgt Ion: 64 Resp: 92
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

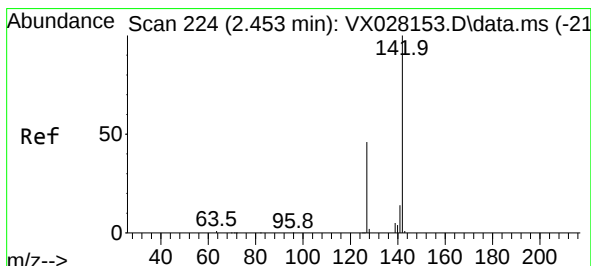
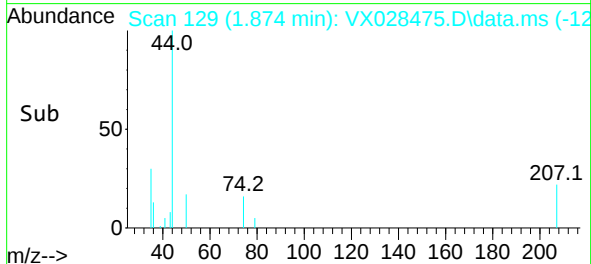
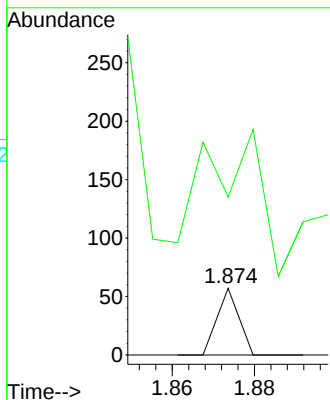
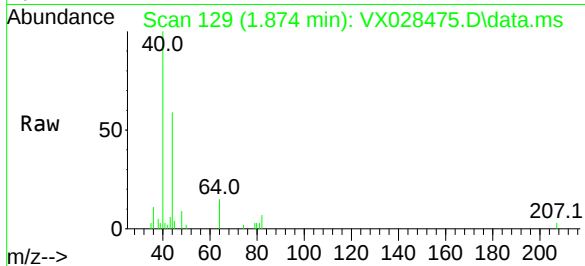




#8
Diethyl Ether
Concen: Below Cal
RT: 1.874 min Scan# 11
Delta R.T. -0.256 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

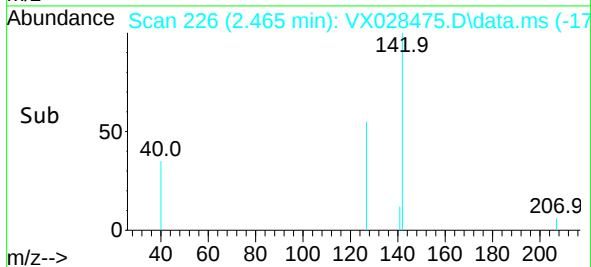
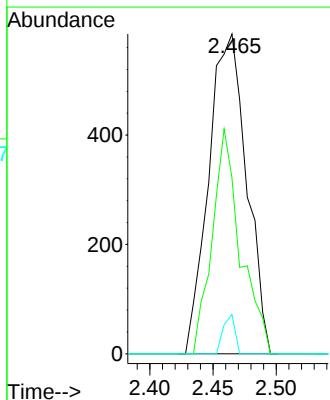
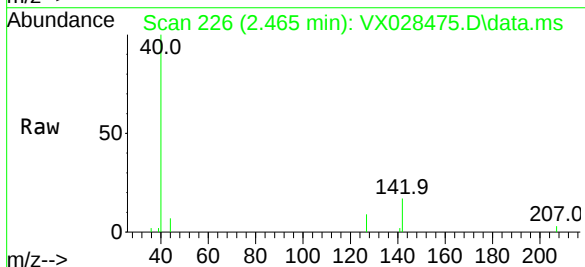
Instrument :
MSVOA_X
ClientSampleId :
IBLK

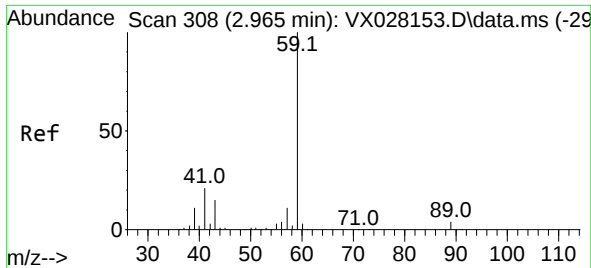
Tgt Ion: 74 Resp: 21
Ion Ratio Lower Upper
74 100
45 433.3 42.0 126.0#



#10
Methyl Iodide
Concen: 5.477 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

Tgt Ion:142 Resp: 1219
Ion Ratio Lower Upper
142 100
127 52.3 33.9 50.9#
141 3.8 11.4 17.2#

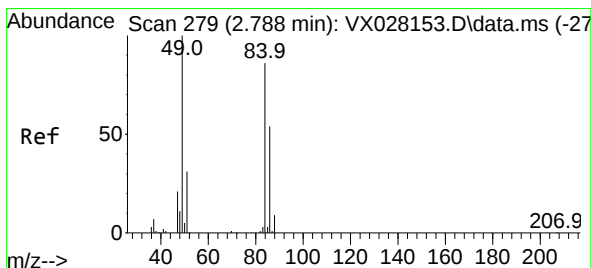
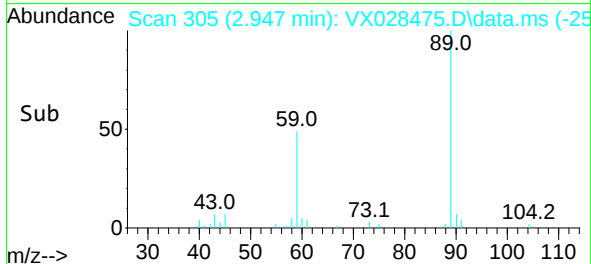
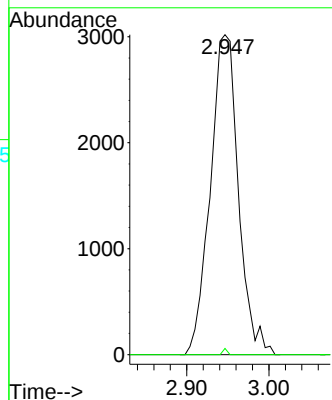
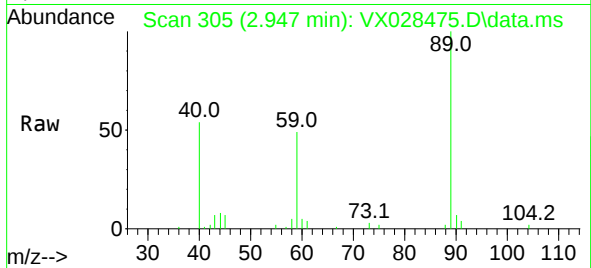




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

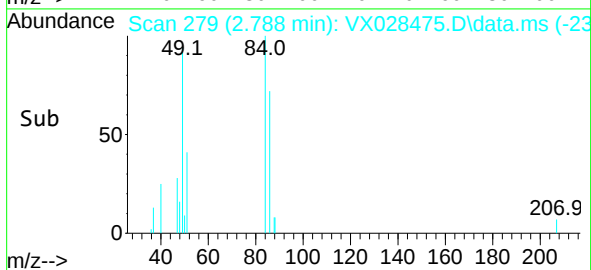
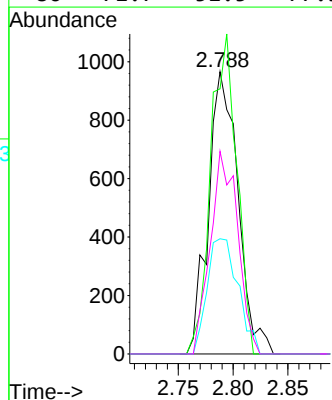
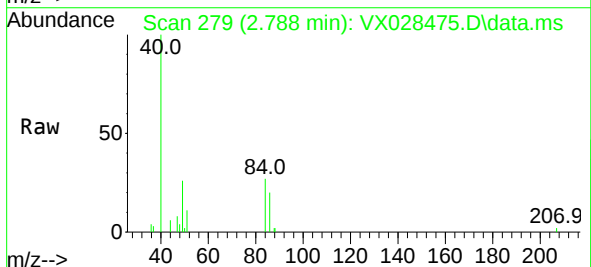
Instrument :
MSVOA_X
ClientSampleId :
IBLK

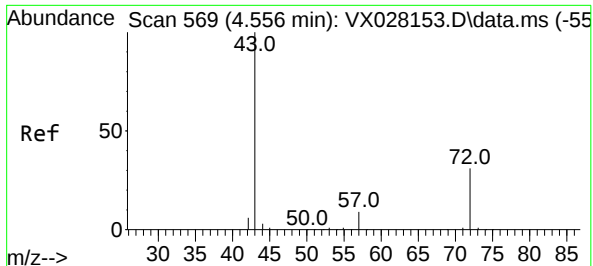
Tgt Ion: 59 Resp: 7188
Ion Ratio Lower Upper
59 100
57 0.3 8.3 12.5#



#20
Methylene Chloride
Concen: 0.461 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

Tgt Ion: 84 Resp: 1817
Ion Ratio Lower Upper
84 100
49 93.9 85.5 128.3
51 40.8 26.6 39.8#
86 71.7 51.5 77.3





#25

2-Butanone

Concen: 0.249 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028475.D

Acq: 02 May 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :

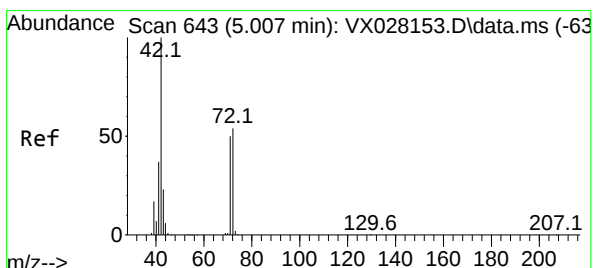
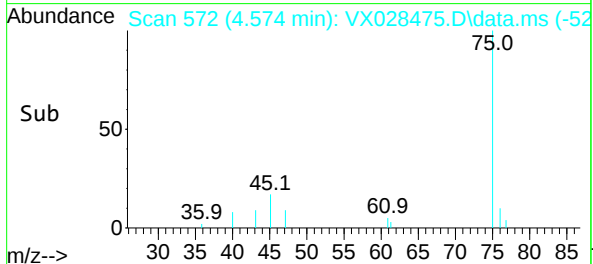
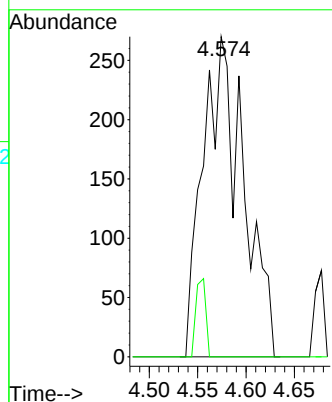
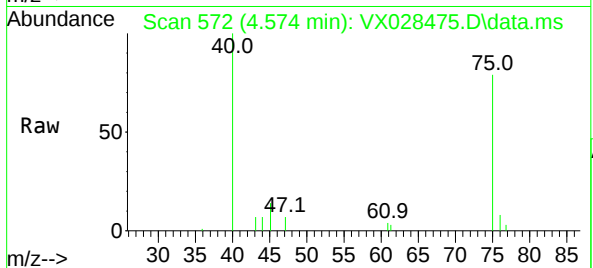
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Tgt Ion: 43 Resp: 782

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#



#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.031 min

Lab File: VX028475.D

Acq: 02 May 2022 16:02

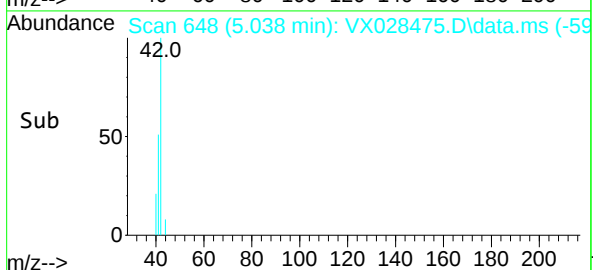
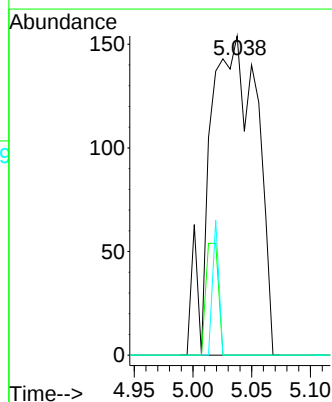
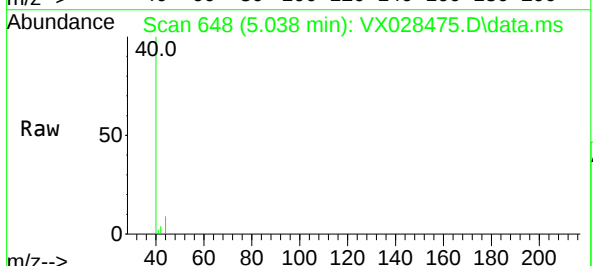
Tgt Ion: 42 Resp: 431

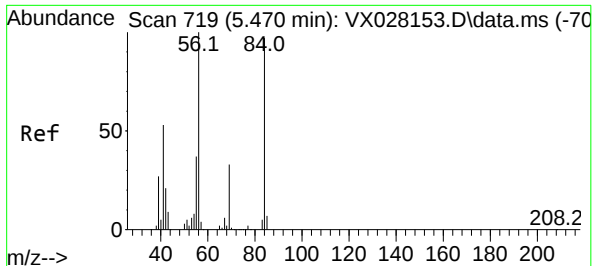
Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 0.0 40.5 60.7#

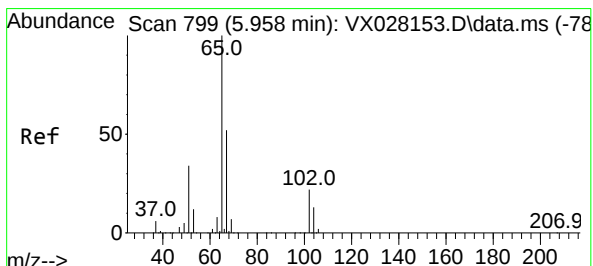
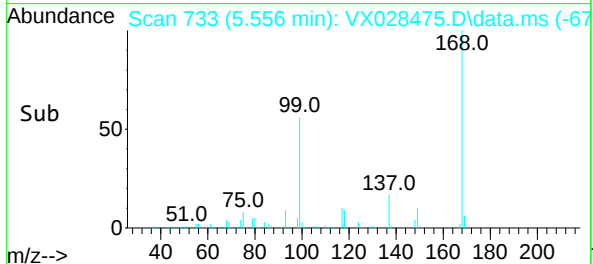
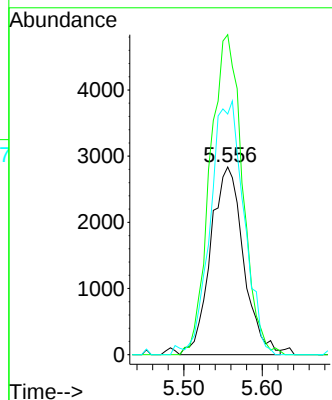
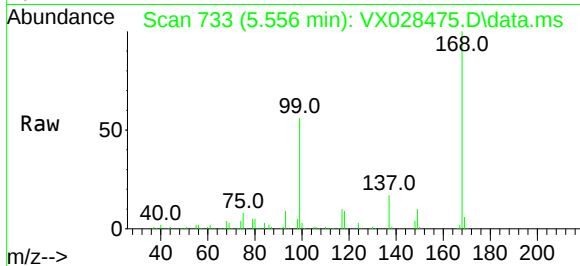




#31
Cyclohexane
Concen: 1.280 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

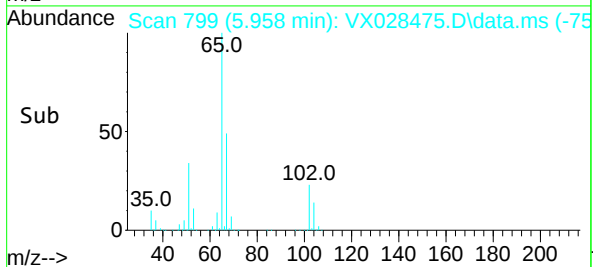
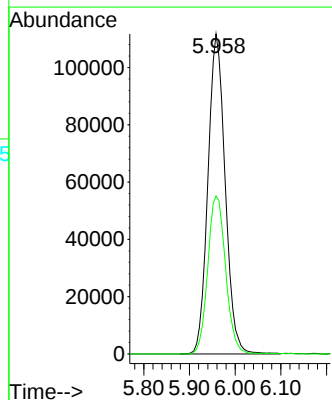
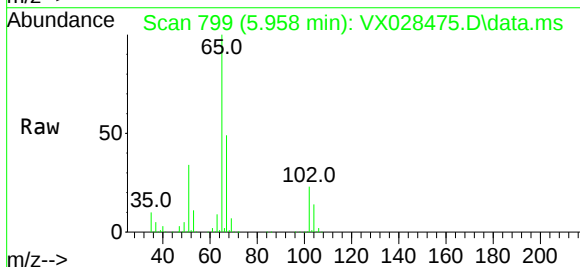
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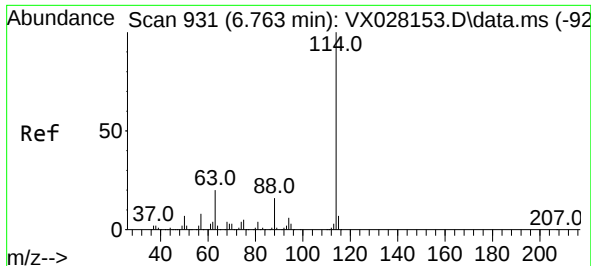
Tgt Ion: 56 Resp: 8281
Ion Ratio Lower Upper
56 100
69 170.5 26.7 40.1#
84 128.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 55.111 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

Tgt Ion: 65 Resp: 292538
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

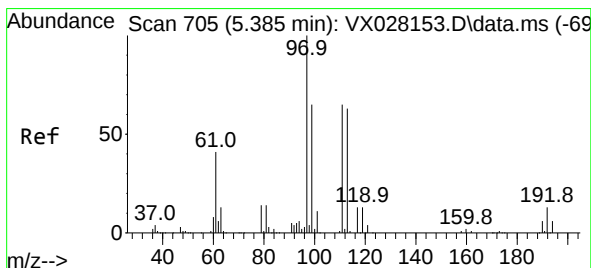
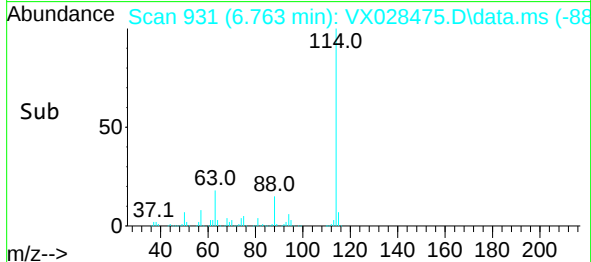
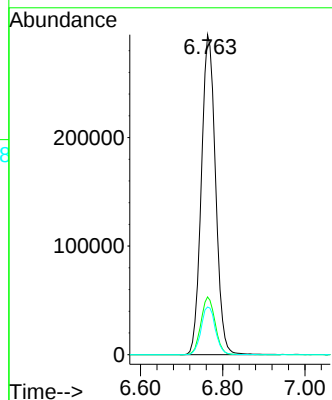
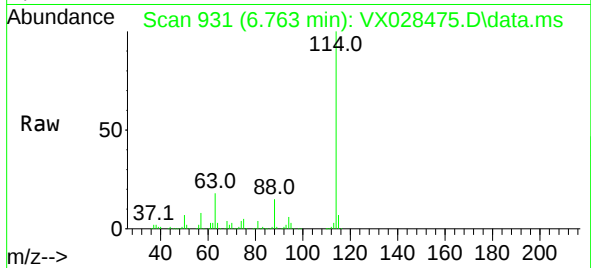




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

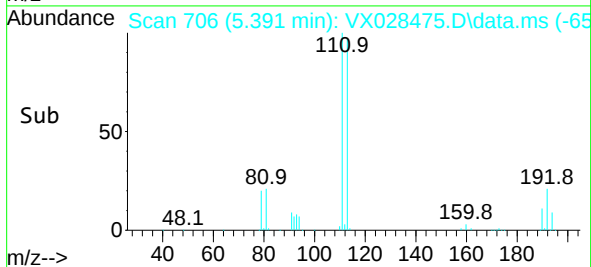
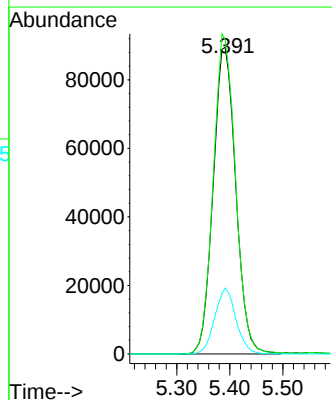
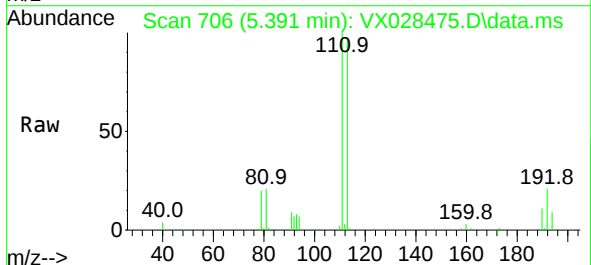
Instrument :
MSVOA_X
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IBLK

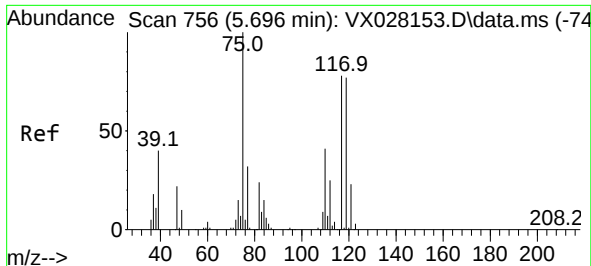
Tgt Ion:114 Resp: 706153
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 14.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.455 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

Tgt Ion:113 Resp: 264722
Ion Ratio Lower Upper
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111 103.1 82.8 124.2
192 20.2 16.9 25.3

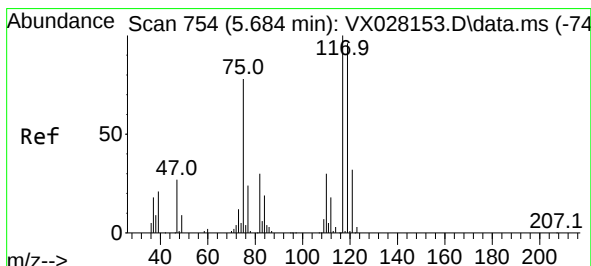
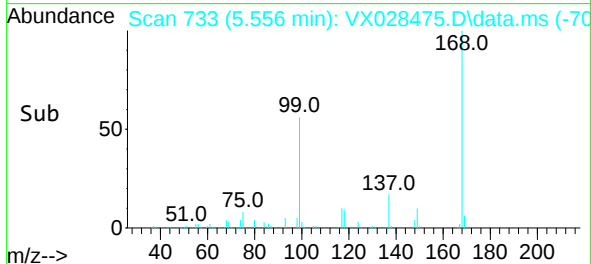
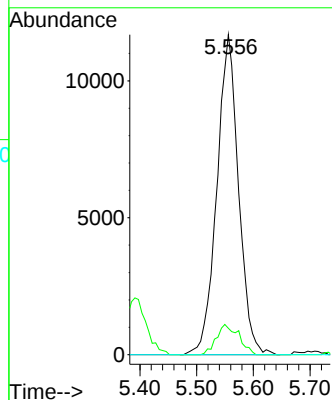
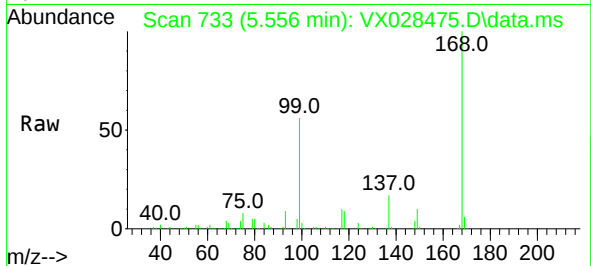




#36
1,1-Dichloropropene
Concen: 4.804 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

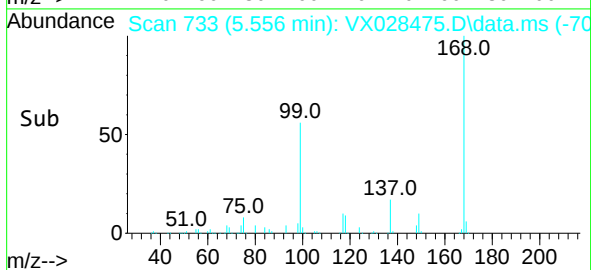
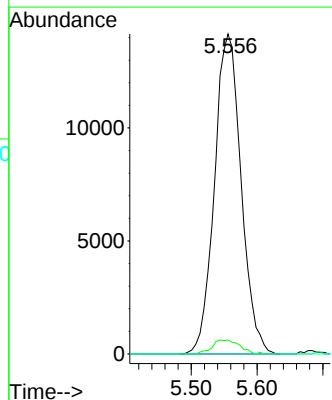
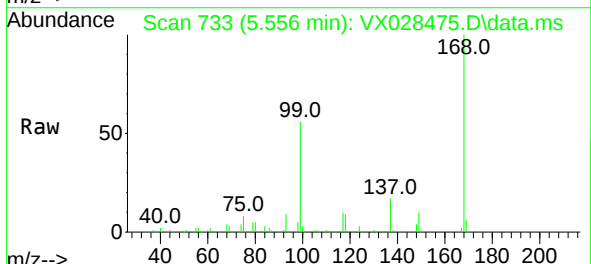
Instrument :
MSVOA_X
ClientSampleId :
IBLK

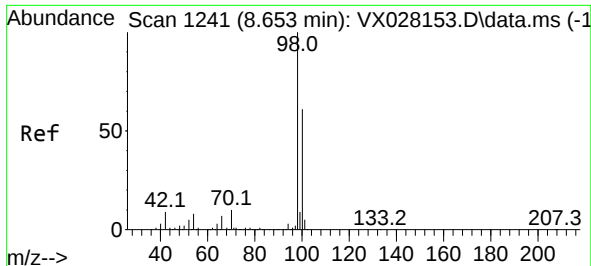
Tgt Ion: 75 Resp: 31032
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.470 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

Tgt Ion: 117 Resp: 39886
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#

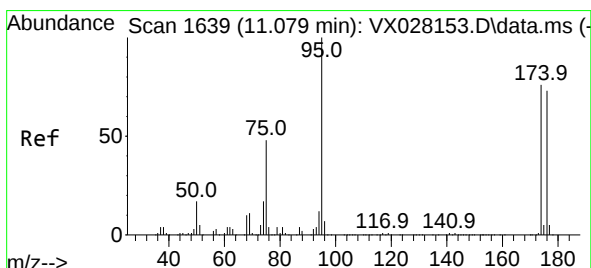
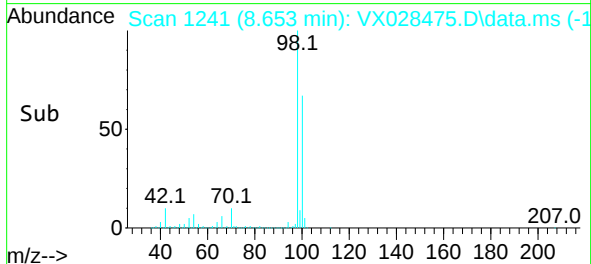
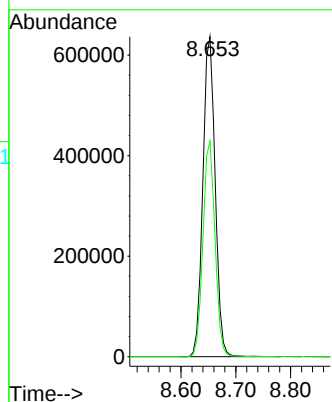
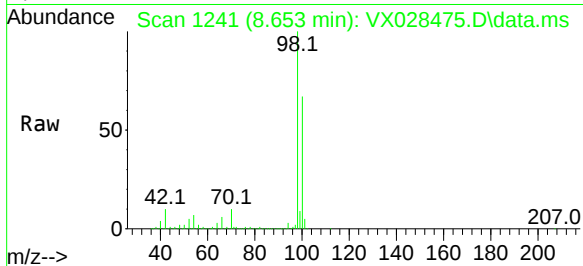




#50
Toluene-d8
Concen: 52.107 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

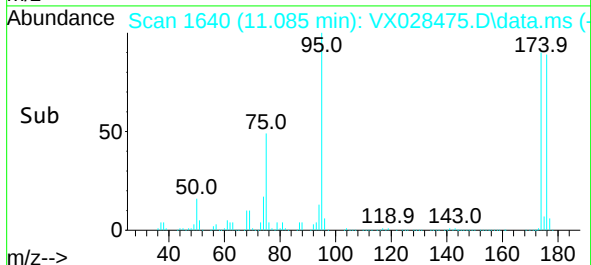
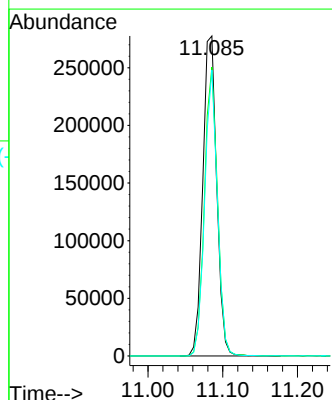
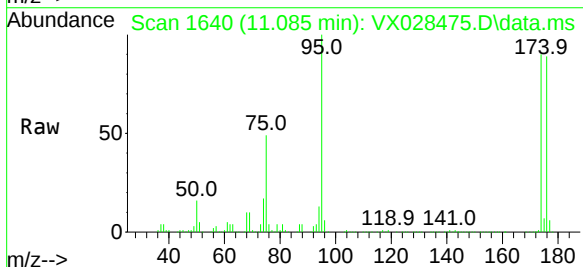
Instrument :
MSVOA_X
ClientSampleId :
IBLK

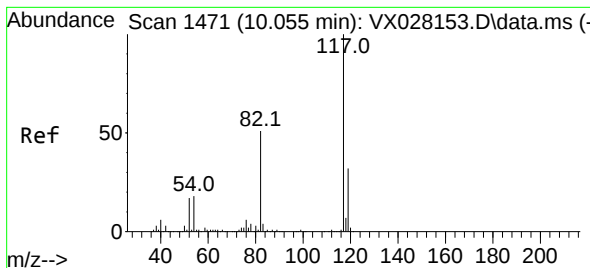
Tgt Ion: 98 Resp: 991088
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.341 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028475.D
Acq: 02 May 2022 16:02

Tgt Ion: 95 Resp: 358837
Ion Ratio Lower Upper
95 100
174 84.7 0.0 163.0
176 82.1 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: VX028475.D

Acq: 02 May 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :

IBLK

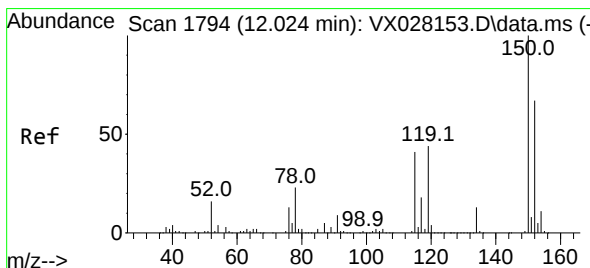
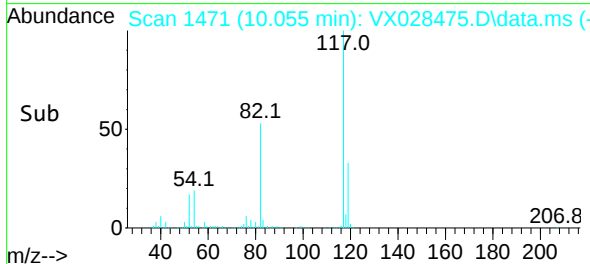
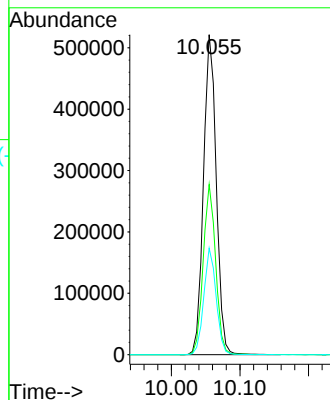
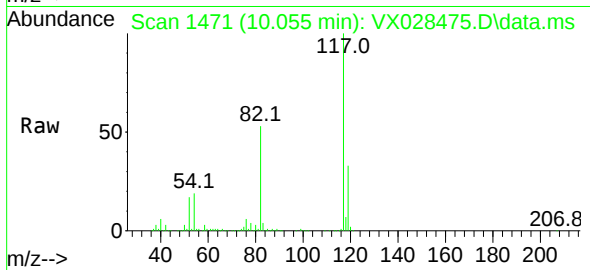
Tgt Ion:117 Resp: 678001

Ion Ratio Lower Upper

117 100

82 53.2 41.8 62.8

119 33.3 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: VX028475.D

Acq: 02 May 2022 16:02

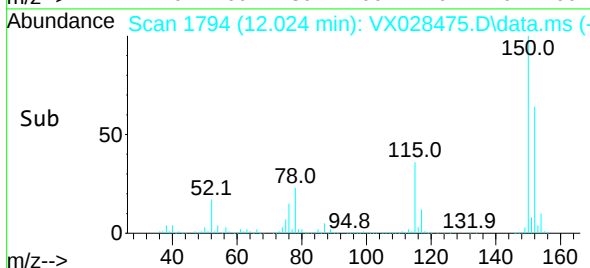
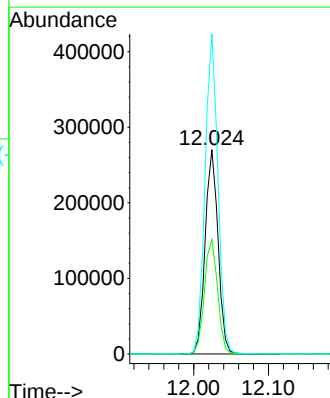
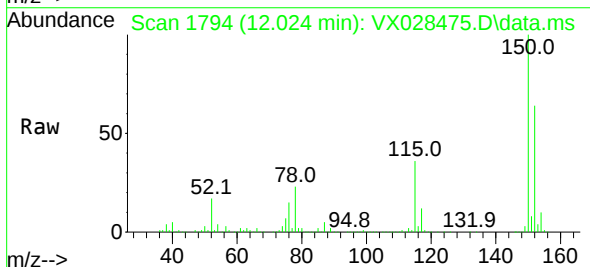
Tgt Ion:152 Resp: 323902

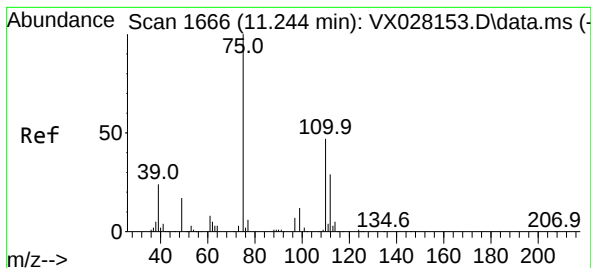
Ion Ratio Lower Upper

152 100

115 57.3 37.5 112.7

150 156.2 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 27.854 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028475.D

Acq: 02 May 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :

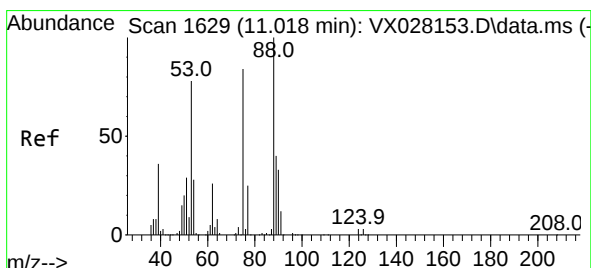
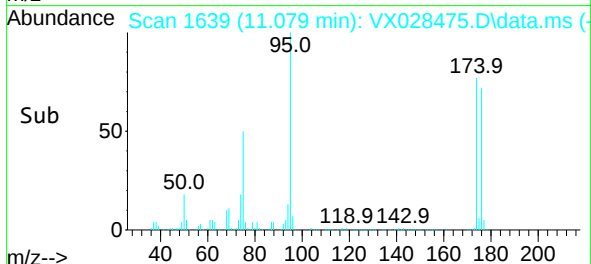
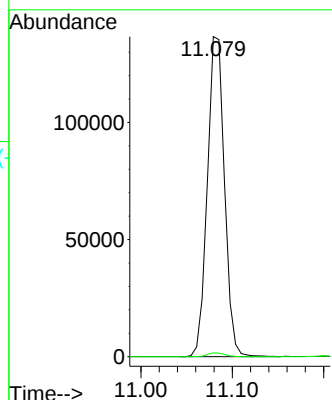
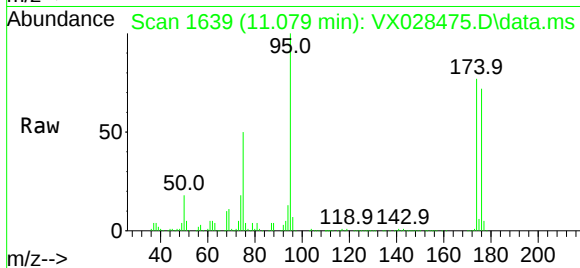
IBLK

Tgt Ion: 75 Resp: 177561

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.776 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028475.D

Acq: 02 May 2022 16:02

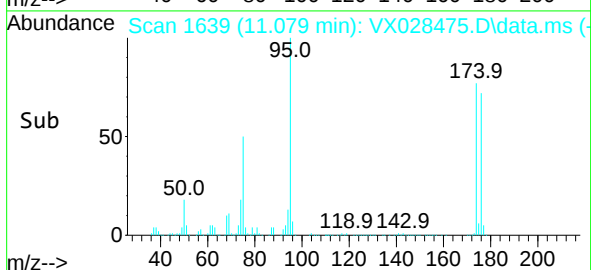
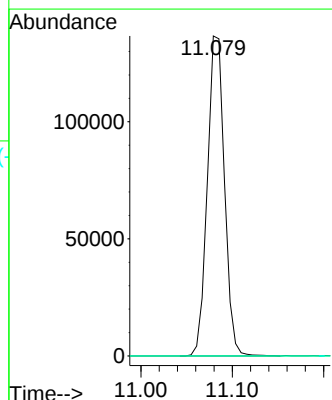
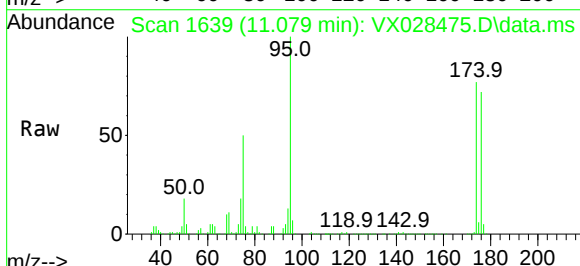
Tgt Ion: 75 Resp: 177561

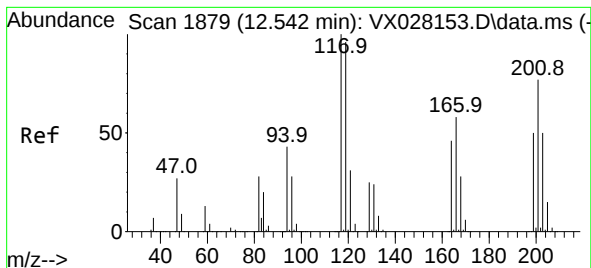
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#





#90

Hexachloroethane

Concen: 1.820 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.207 min

Lab File: VX028475.D

Acq: 02 May 2022 16:02

Instrument :

MSVOA_X

ClientSampleId :

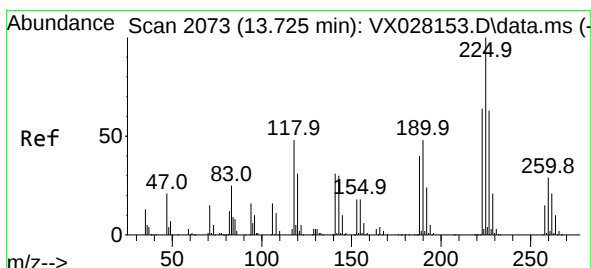
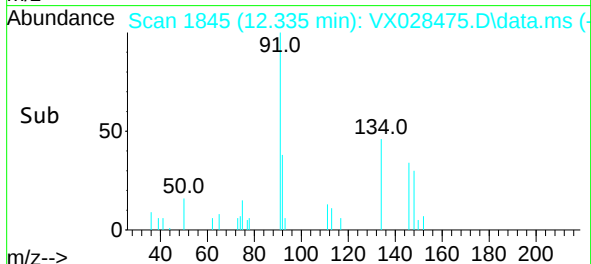
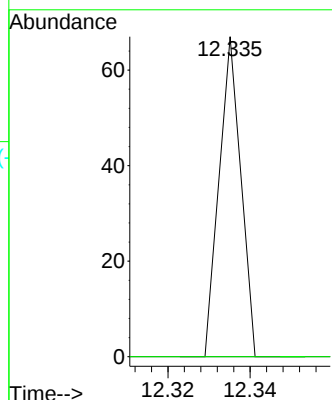
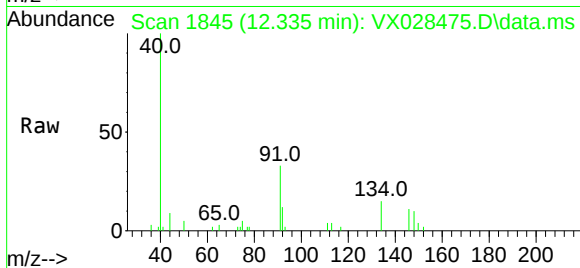
IBLK

Tgt Ion:117 Resp: 25

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#



#94

Hexachlorobutadiene

Concen: 0.333 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX028475.D

Acq: 02 May 2022 16:02

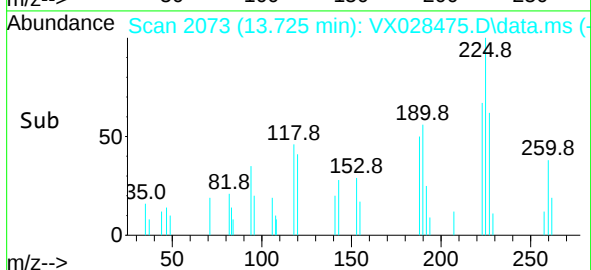
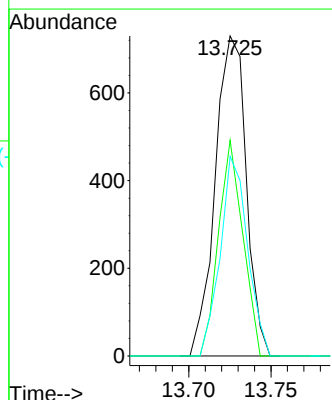
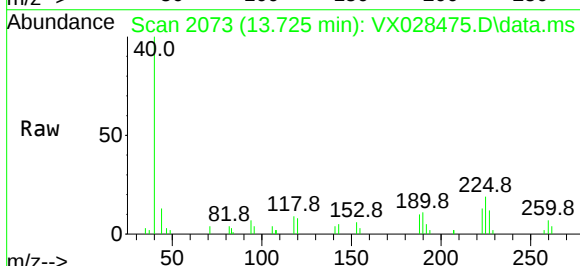
Tgt Ion:225 Resp: 957

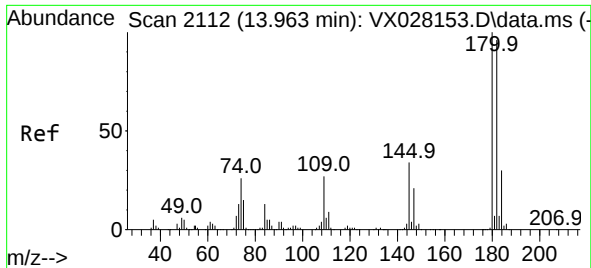
Ion Ratio Lower Upper

225 100

223 52.7 34.2 102.5

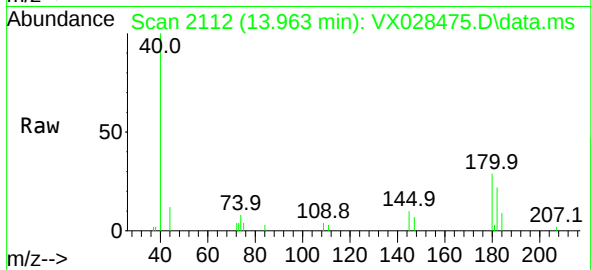
227 55.1 33.9 101.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.201 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX028475.D
 Acq: 02 May 2022 16:02

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	1270
Ion	Ratio	Lower	Upper
180	100		
182	79.9	50.0	149.8
145	40.2	16.2	48.5

