

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028201.D
 Acq On : 20 Apr 2022 16:35
 Operator : JC/MD
 Sample : N2451-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB220415

Quant Time: Apr 21 06:14:20 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)

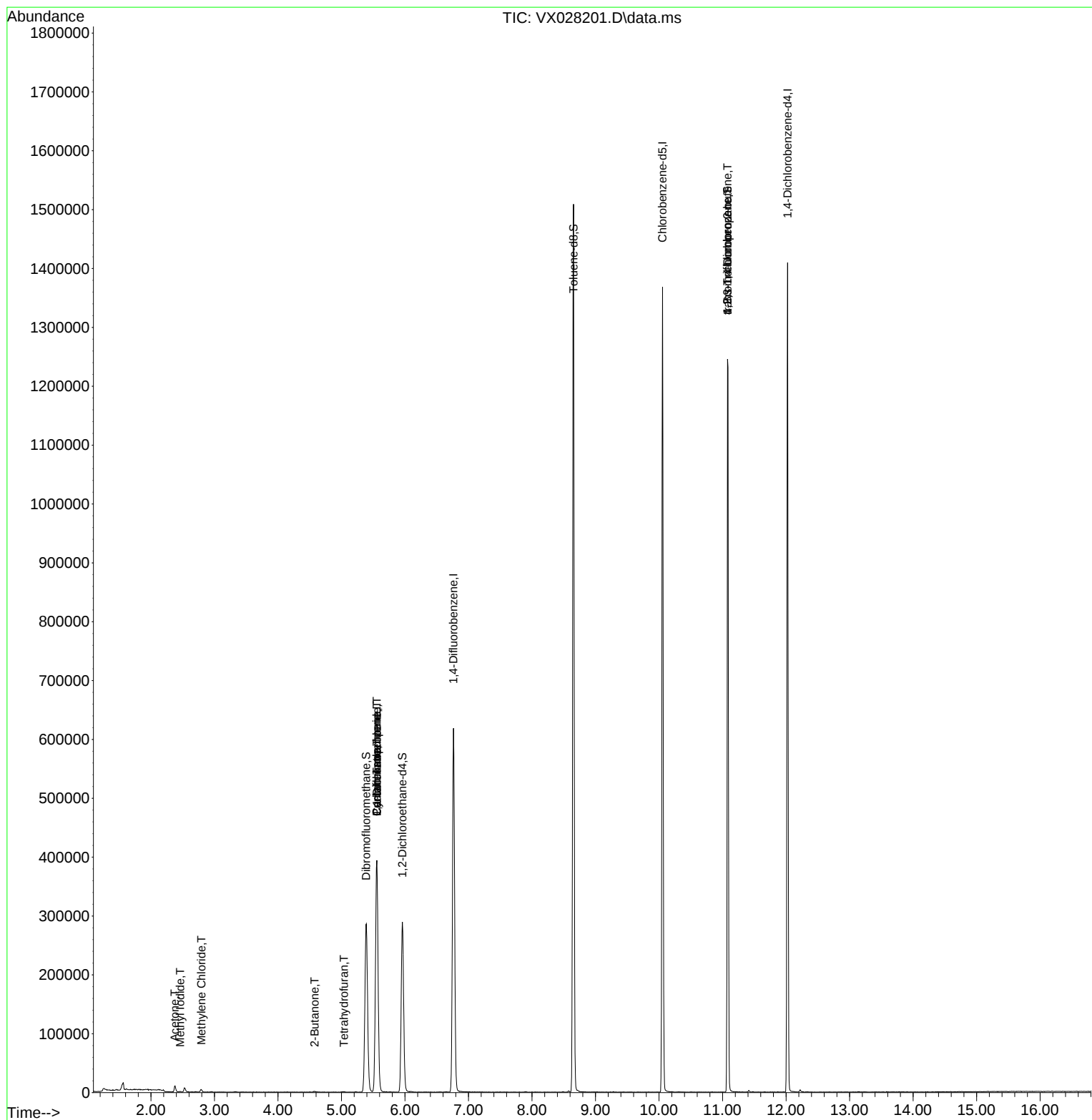
Internal Standards						
1) Pentafluorobenzene	5.556	168	388757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	659178	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	629370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	294773	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	274714	54.196	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.400%	
35) Dibromofluoromethane	5.385	113	249465	53.964	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 107.920%	
50) Toluene-d8	8.653	98	911005	51.309	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.620%	
62) 4-Bromofluorobenzene	11.079	95	331045	48.763	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	526	Below Cal	#	42
5) Bromomethane	1.617	94	731	Below Cal		82
6) Chloroethane	1.691	64	152	Below Cal	#	43
8) Diethyl Ether	2.111	74	20	Below Cal	#	1
10) Methyl Iodide	2.459	142	588	5.357	ug/l #	83
11) Tert butyl alcohol	2.959	59	338	Below Cal	#	72
16) Acetone	2.373	43	11213	5.879	ug/l #	80
20) Methylene Chloride	2.794	84	2300	0.612	ug/l #	83
25) 2-Butanone	4.574	43	2375	0.791	ug/l #	81
29) Tetrahydrofuran	5.038	42	702	0.359	ug/l #	51
31) Cyclohexane	5.556	56	7136	1.156	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	27881	4.624	ug/l #	51
38) Carbon Tetrachloride	5.556	117	38611	5.672	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	168519	29.048	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	168519	86.324	ug/l #	15

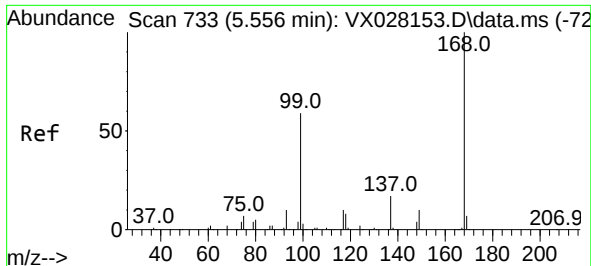
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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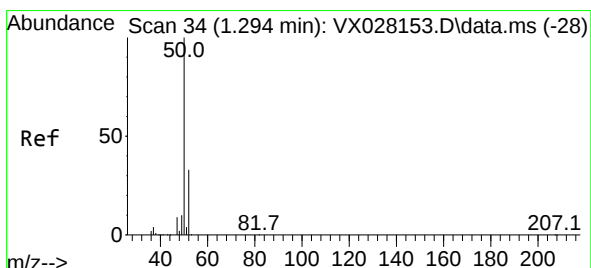
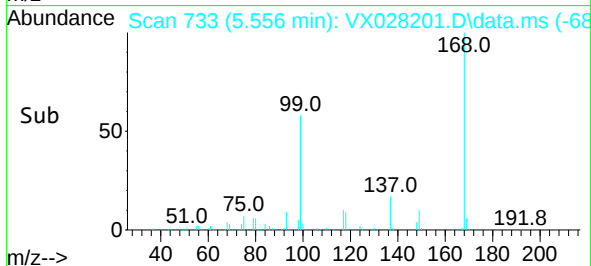
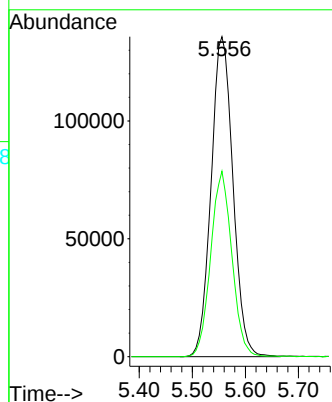
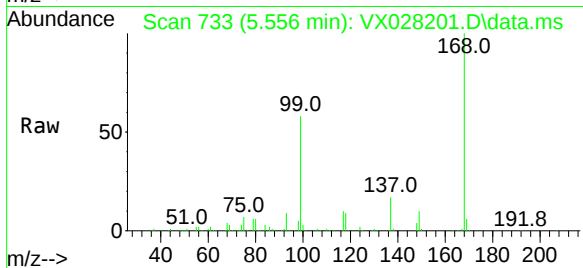




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

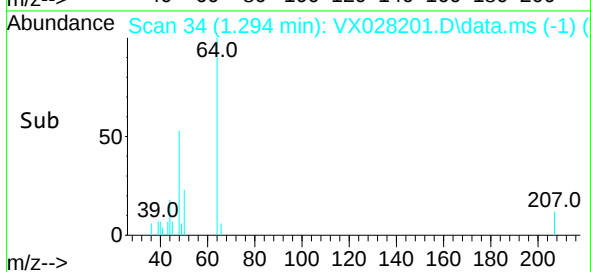
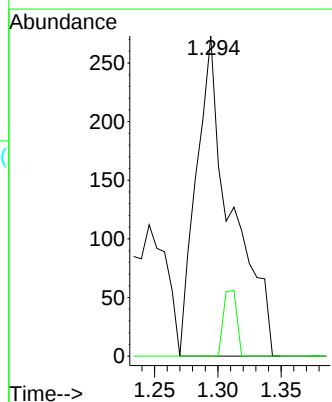
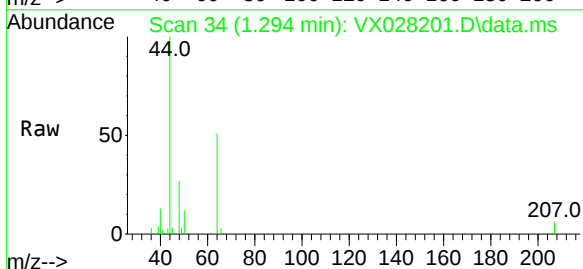
Instrument :
MSVOA_X
ClientSampleId :
FB220415

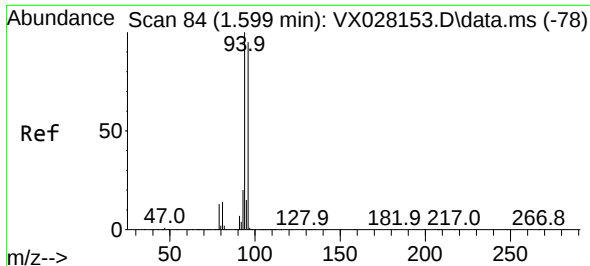
Tgt Ion:168 Resp: 388757
Ion Ratio Lower Upper
168 100
99 58.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

Tgt Ion: 50 Resp: 526
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

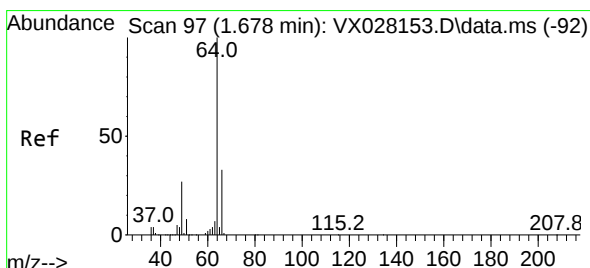
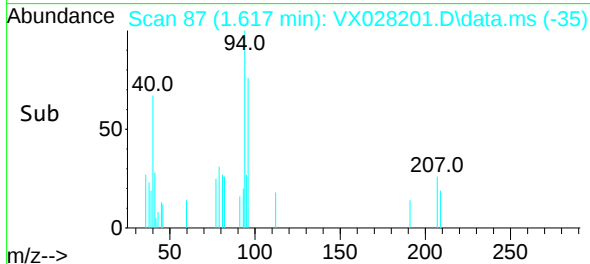
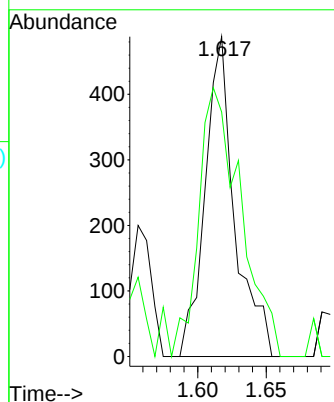
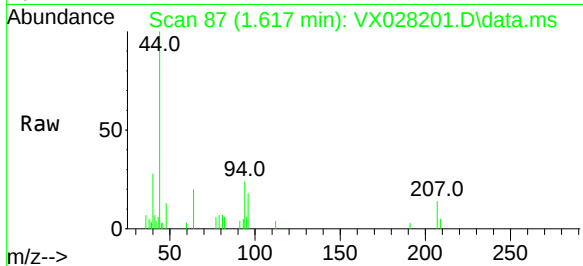




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

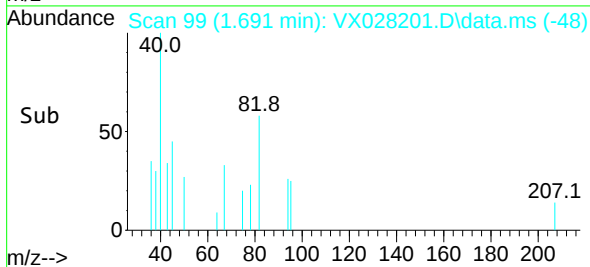
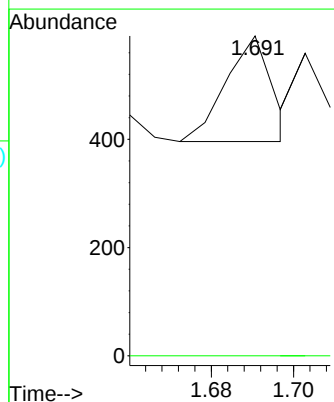
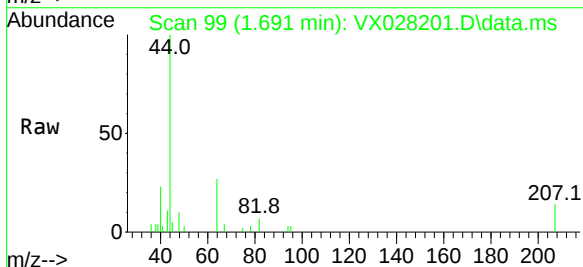
Instrument :
MSVOA_X
ClientSampleId :
FB220415

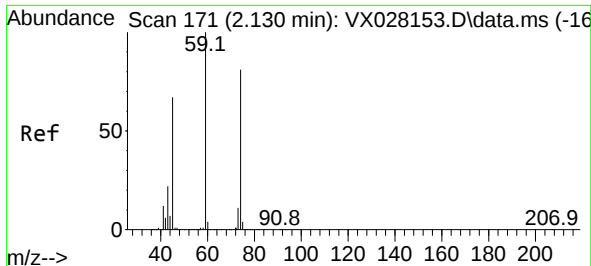
Tgt Ion: 94 Resp: 731
Ion Ratio Lower Upper
94 100
96 76.4 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

Tgt Ion: 64 Resp: 152
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

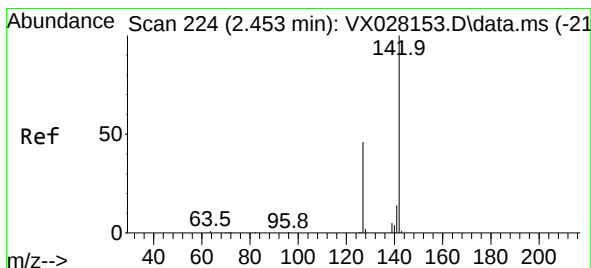
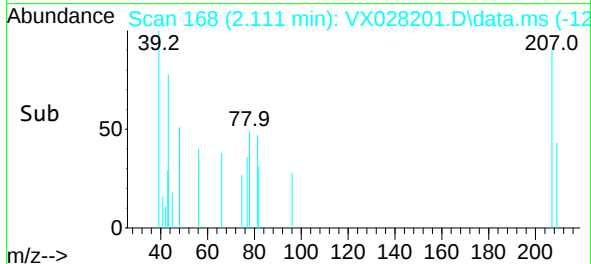
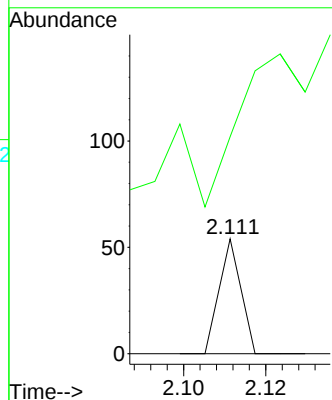
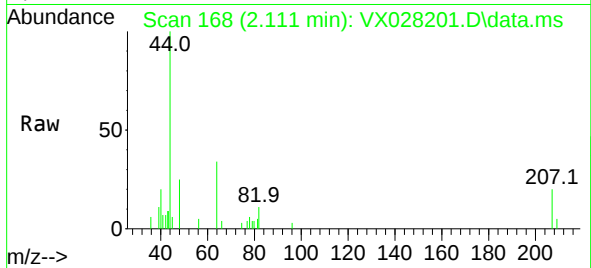




#8
Diethyl Ether
Concen: Below Cal
RT: 2.111 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

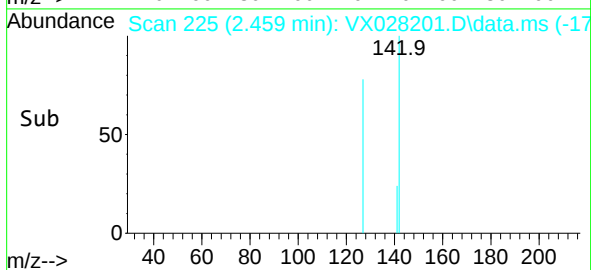
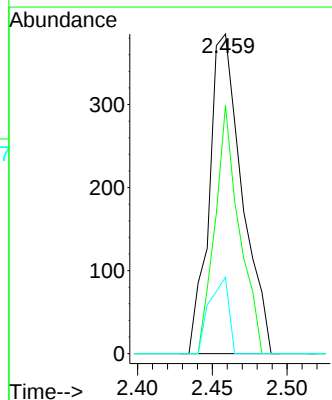
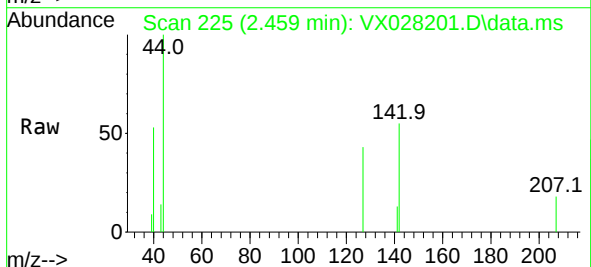
Instrument :
MSVOA_X
ClientSampleId :
FB220415

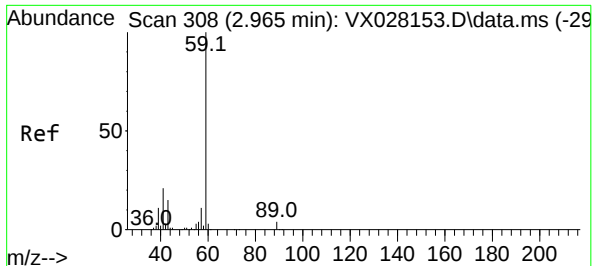
Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 410.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.357 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

Tgt Ion: 142 Resp: 588
Ion Ratio Lower Upper
142 100
127 57.1 33.9 50.9#
141 14.1 11.4 17.2

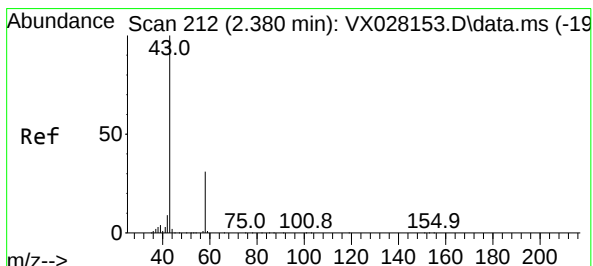
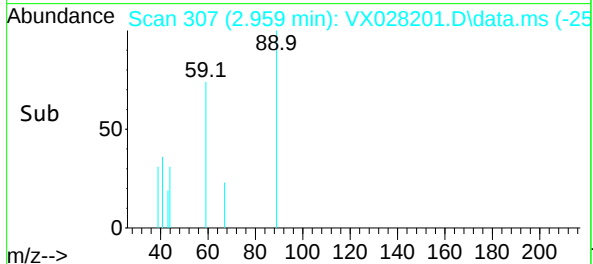
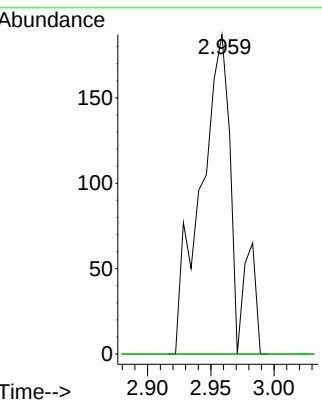
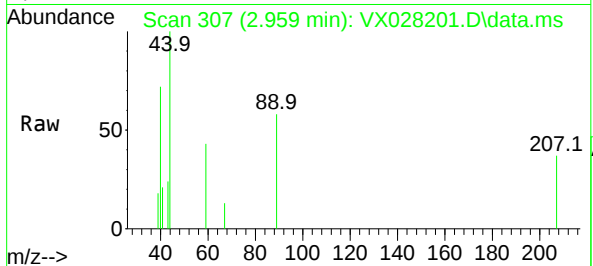




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

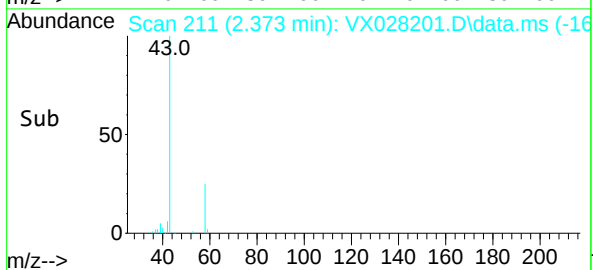
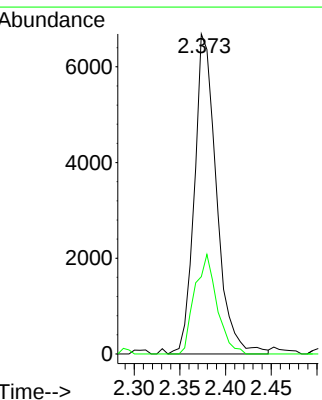
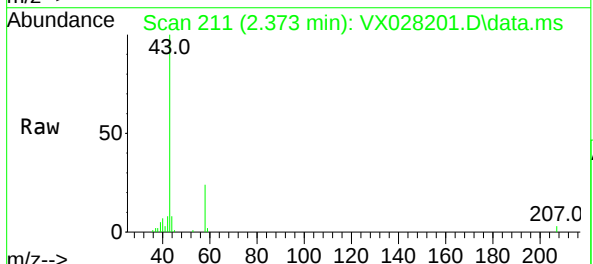
Instrument :
MSVOA_X
ClientSampleId :
FB220415

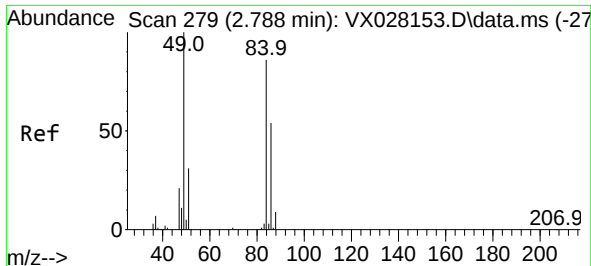
Tgt Ion: 59 Resp: 338
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.879 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

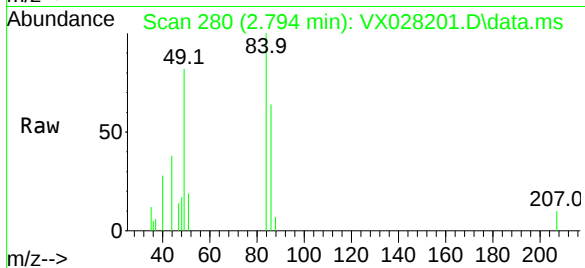
Tgt Ion: 43 Resp: 11213
Ion Ratio Lower Upper
43 100
58 24.2 28.8 43.2#



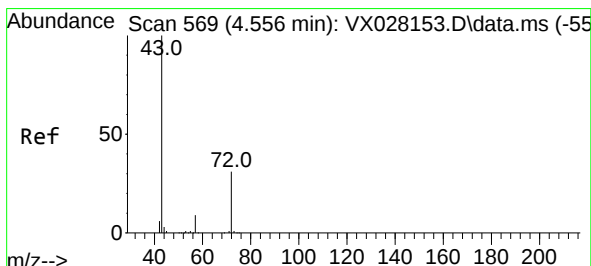
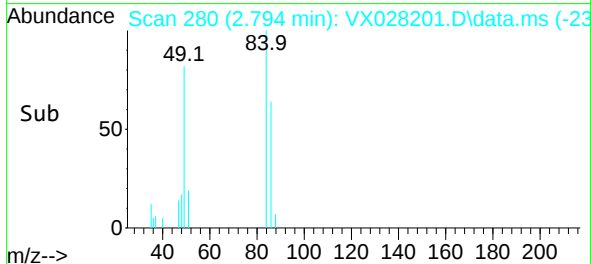
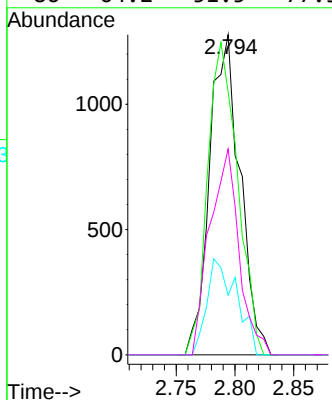


#20
Methylene Chloride
Concen: 0.612 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

Instrument :
MSVOA_X
ClientSampleId :
FB220415

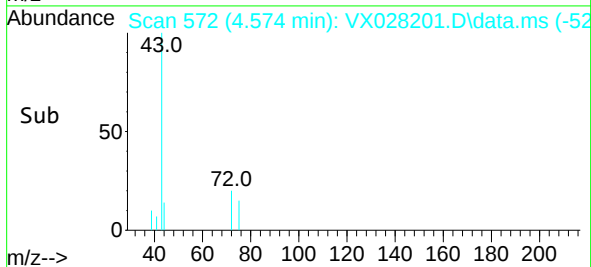
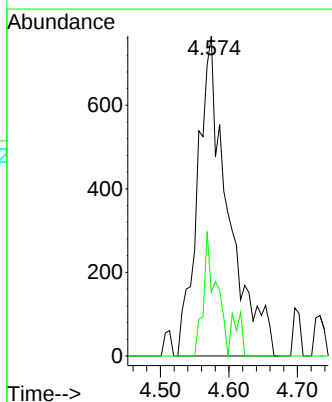
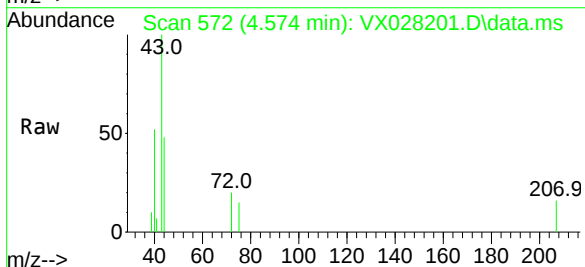


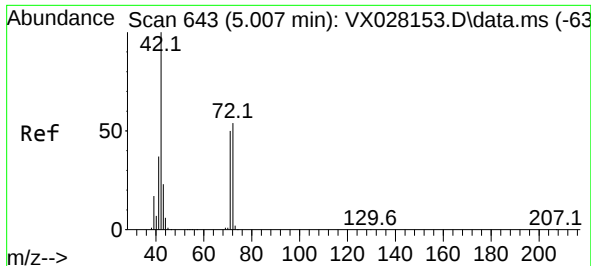
Tgt Ion:	84	Resp:	2300
Ion	Ratio	Lower	Upper
84	100		
49	82.2	85.5	128.3#
51	18.6	26.6	39.8#
86	64.2	51.5	77.3



#25
2-Butanone
Concen: 0.791 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

Tgt Ion:	43	Resp:	2375
Ion	Ratio	Lower	Upper
43	100		
72	20.0	24.4	36.6#





#29

Tetrahydrofuran

Concen: 0.359 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX028201.D

Acq: 20 Apr 2022 16:35

Instrument :

MSVOA_X

ClientSampleId :

FB220415

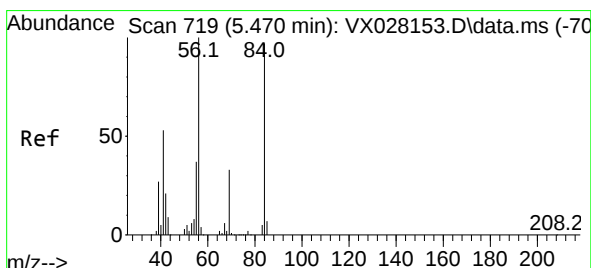
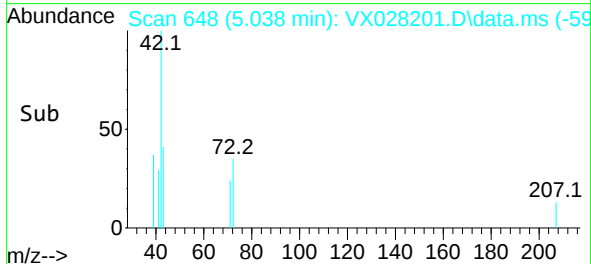
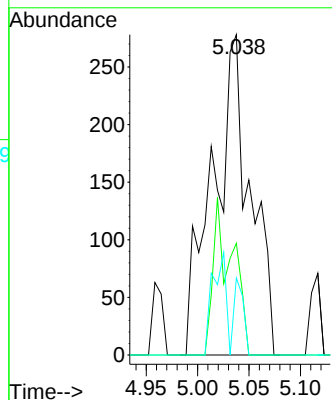
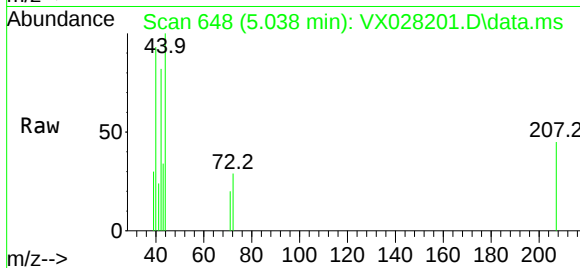
Tgt Ion: 42 Resp: 702

Ion Ratio Lower Upper

42 100

72 25.2 44.1 66.1#

71 11.5 40.5 60.7#



#31

Cyclohexane

Concen: 1.156 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028201.D

Acq: 20 Apr 2022 16:35

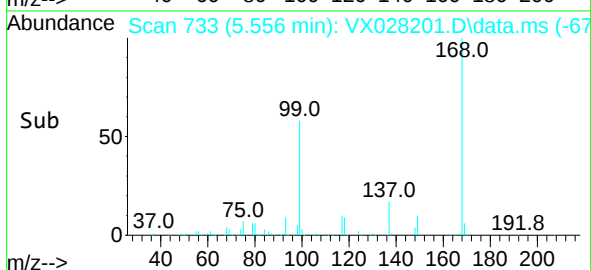
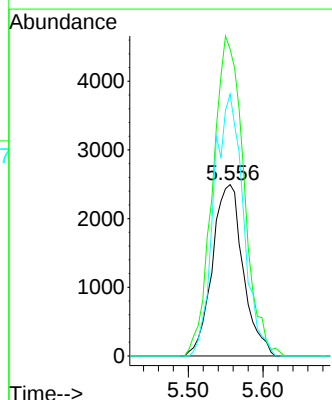
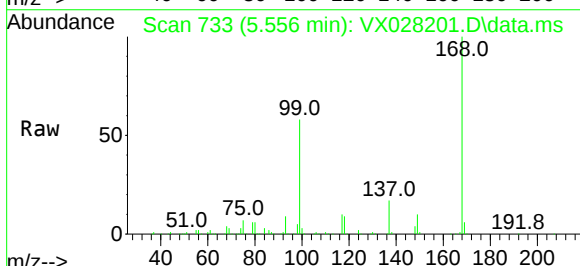
Tgt Ion: 56 Resp: 7136

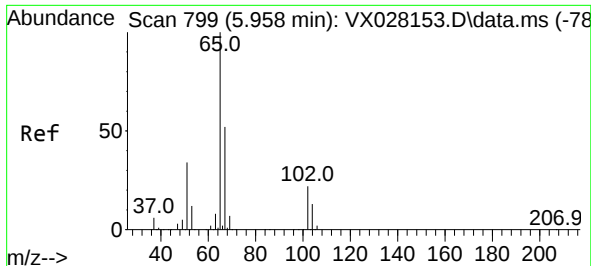
Ion Ratio Lower Upper

56 100

69 178.9 26.7 40.1#

84 152.8 77.2 115.8#

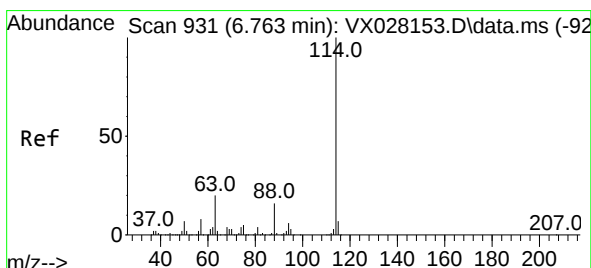
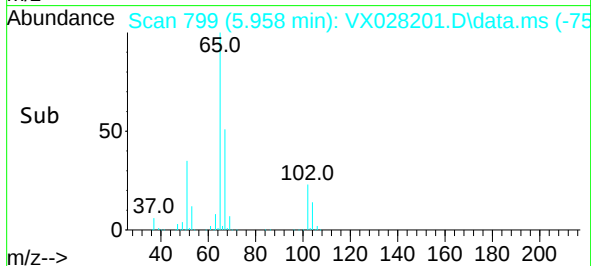
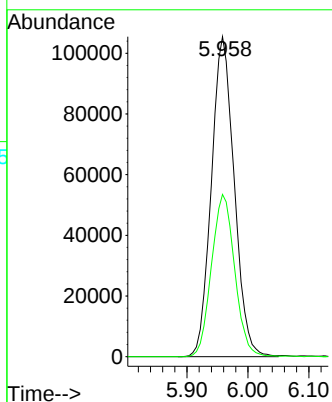
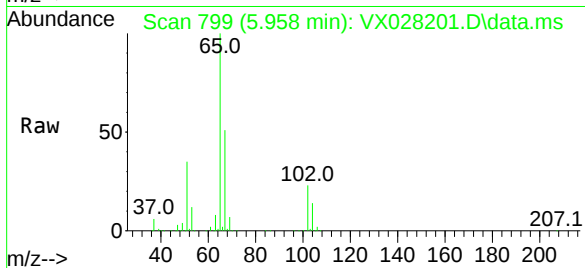




#33
 1,2-Dichloroethane-d4
 Concen: 54.196 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX028201.D
 Acq: 20 Apr 2022 16:35

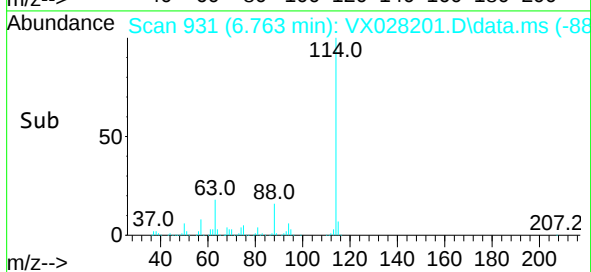
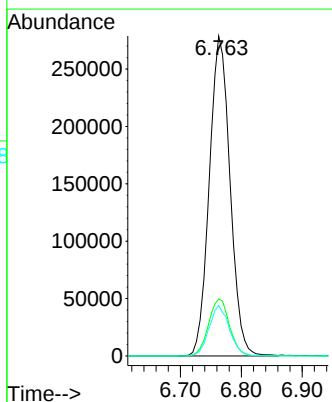
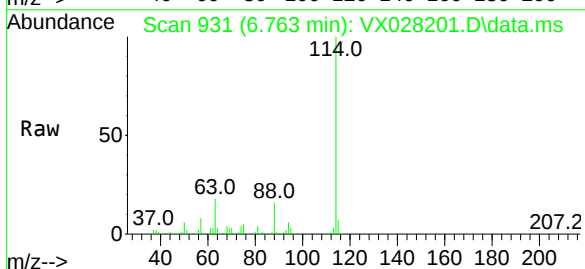
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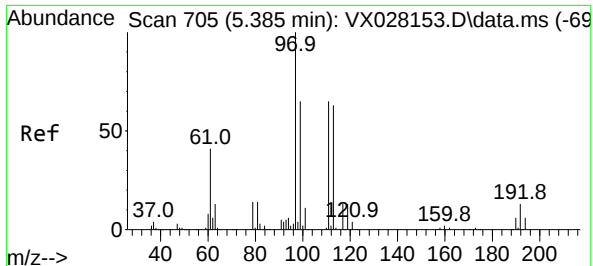
Tgt Ion: 65 Resp: 274714
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX028201.D
 Acq: 20 Apr 2022 16:35

Tgt Ion: 114 Resp: 659178
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.8
 88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.964 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028201.D

Acq: 20 Apr 2022 16:35

Instrument :

MSVOA_X

ClientSampleId :

FB220415

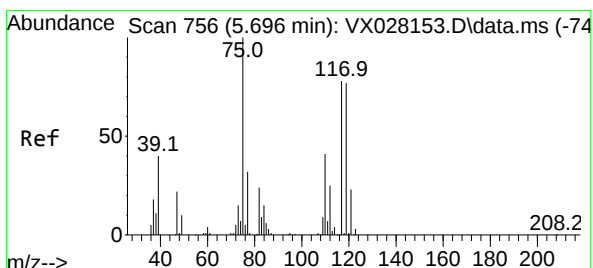
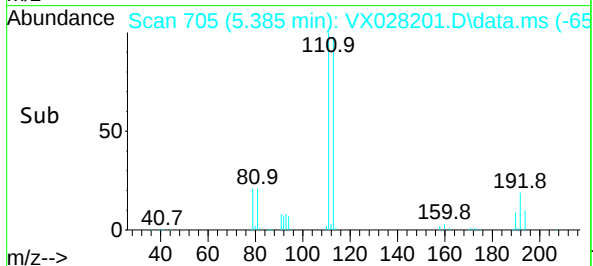
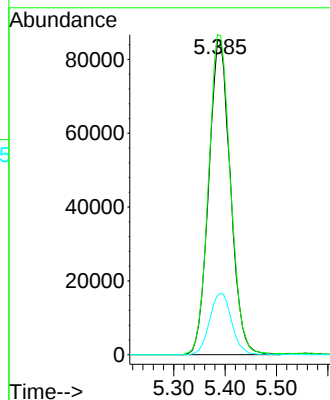
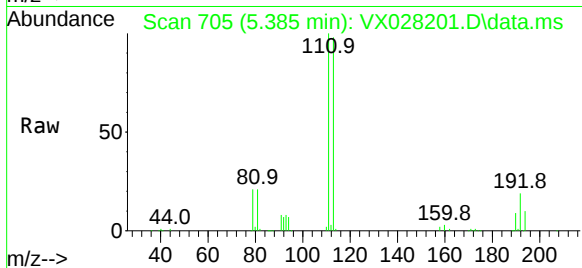
Tgt Ion:113 Resp: 249465

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 19.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028201.D

Acq: 20 Apr 2022 16:35

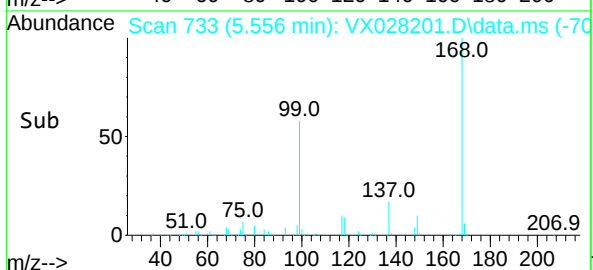
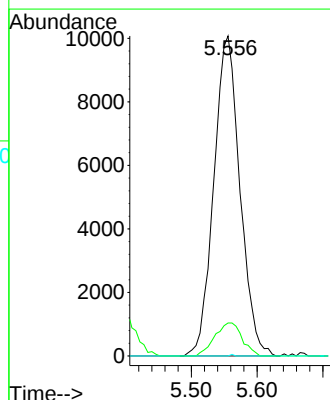
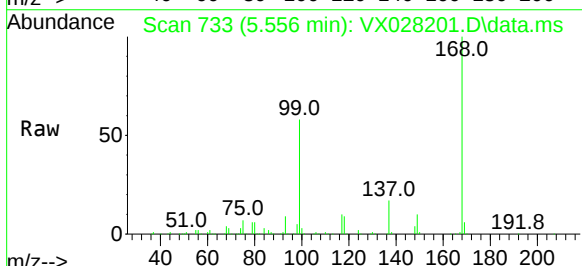
Tgt Ion: 75 Resp: 27881

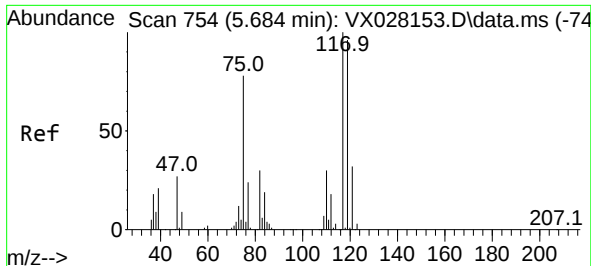
Ion Ratio Lower Upper

75 100

110 10.8 18.3 54.8#

77 0.1 24.8 37.2#

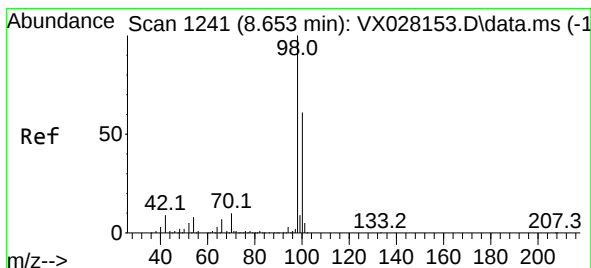
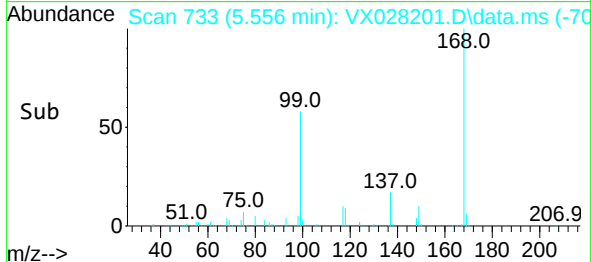
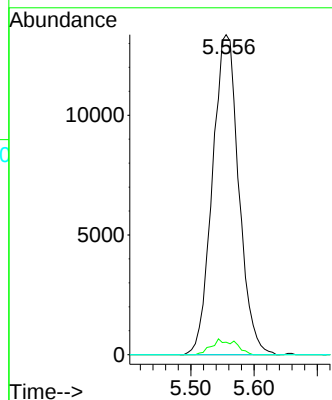
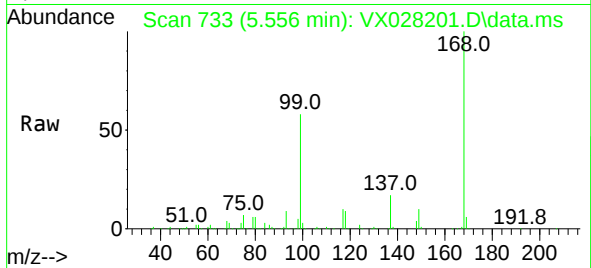




#38
Carbon Tetrachloride
Concen: 5.672 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

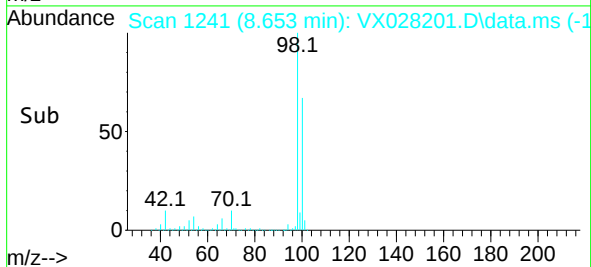
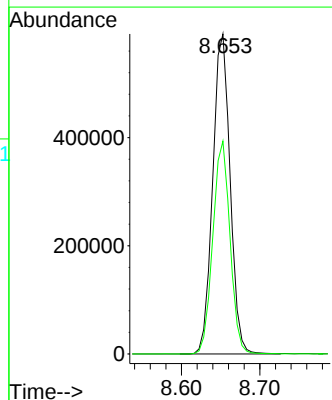
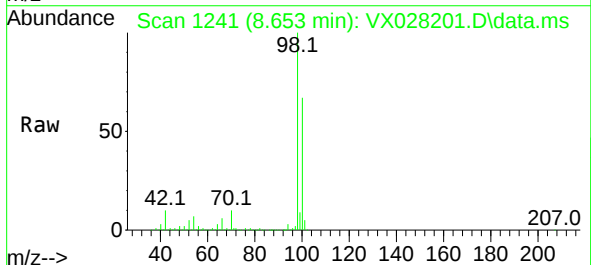
Instrument :
MSVOA_X
ClientSampleId :
FB220415

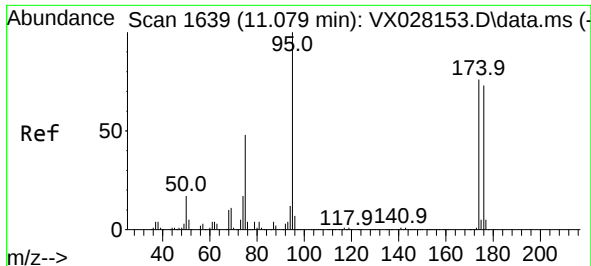
Tgt Ion:117 Resp: 38611
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.309 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

Tgt Ion: 98 Resp: 911005
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

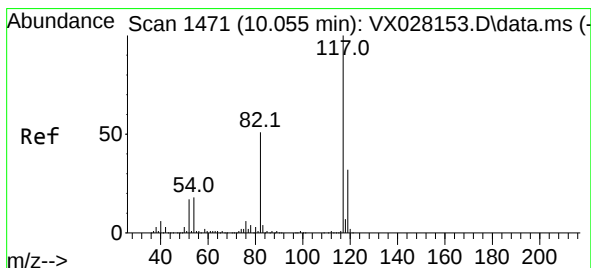
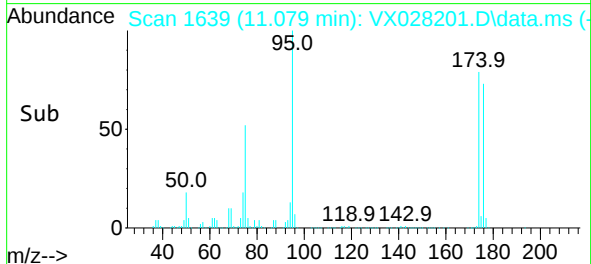
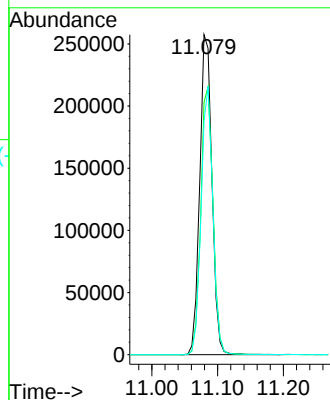
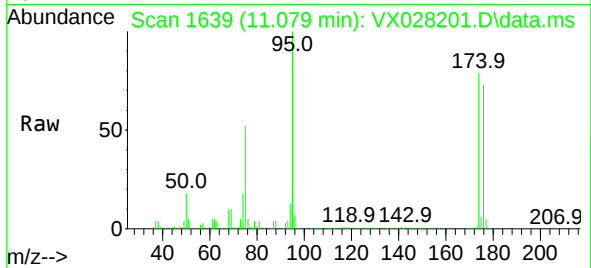




#62
4-Bromofluorobenzene
Concen: 48.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

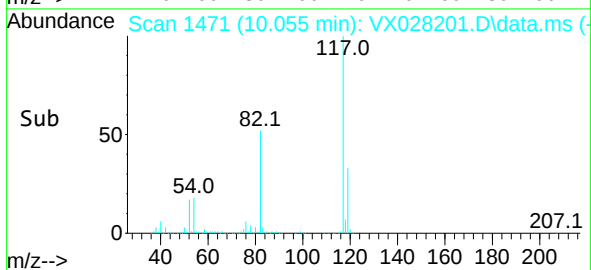
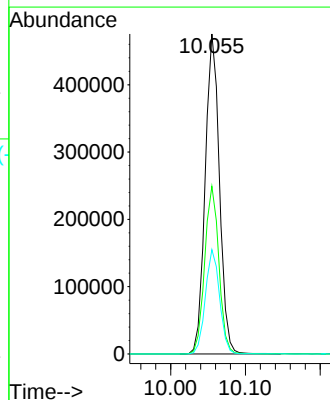
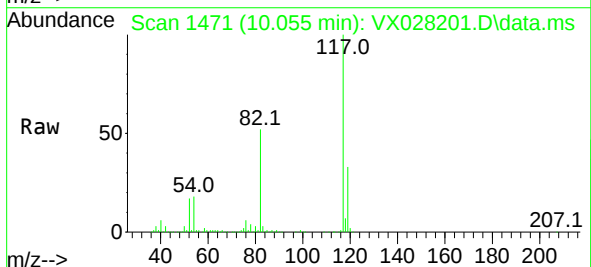
Instrument :
MSVOA_X
ClientSampleId :
FB220415

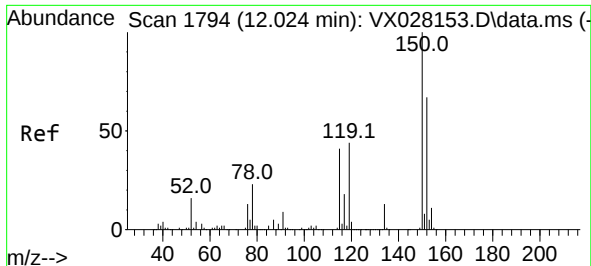
Tgt Ion: 95 Resp: 331045
Ion Ratio Lower Upper
95 100
174 84.0 0.0 163.0
176 81.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028201.D
Acq: 20 Apr 2022 16:35

Tgt Ion: 117 Resp: 629370
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.6 24.8 37.2

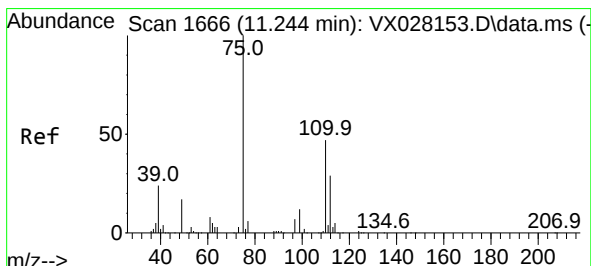
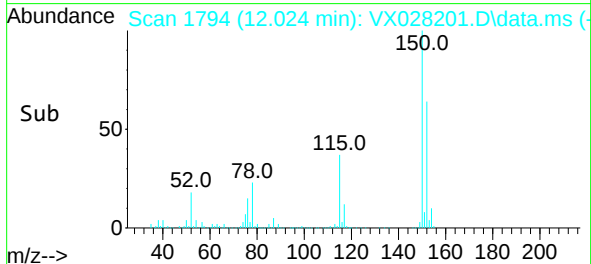
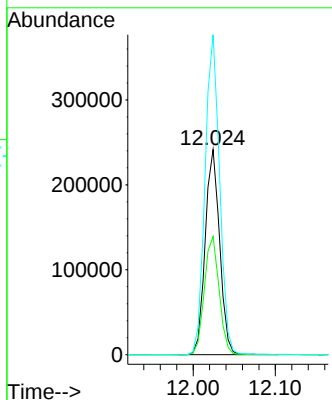
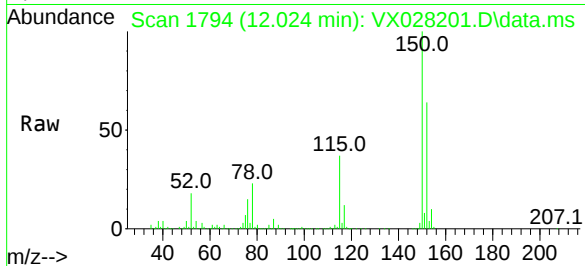




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028201.D
 Acq: 20 Apr 2022 16:35

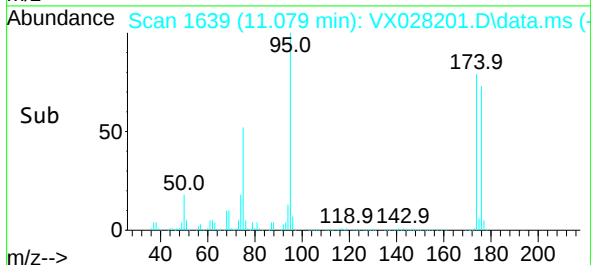
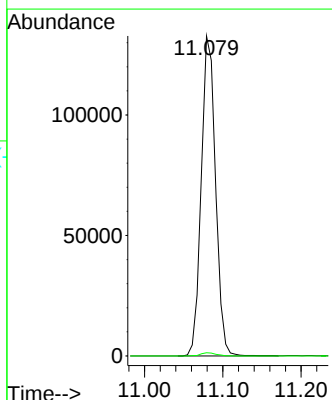
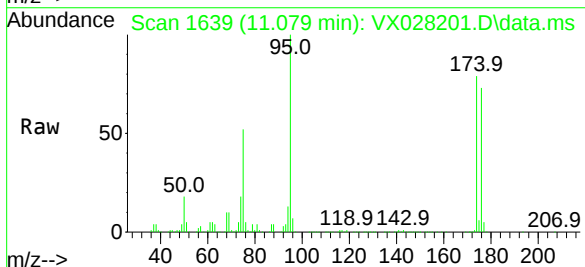
Instrument :
 MSVOA_X
 ClientSampleId :
 FB220415

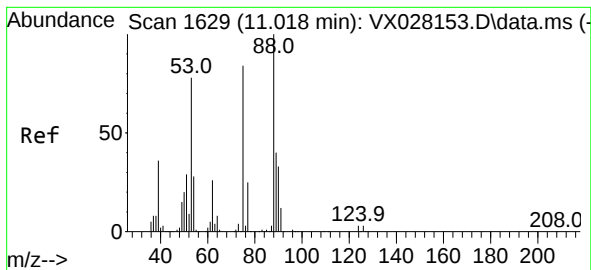
Tgt Ion:152 Resp: 294773
 Ion Ratio Lower Upper
 152 100
 115 59.0 37.5 112.7
 150 157.1 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 29.048 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028201.D
 Acq: 20 Apr 2022 16:35

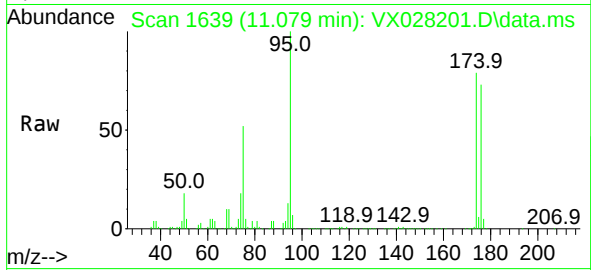
Tgt Ion: 75 Resp: 168519
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.324 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX028201.D
 Acq: 20 Apr 2022 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 FB220415



Tgt Ion: 75 Resp: 168519
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

