

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028256.D
 Acq On : 21 Apr 2022 21:02
 Operator : JC/MD
 Sample : N2511-10 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1593

Quant Time: Apr 22 06:20:36 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	393374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	675457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	643364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	297335	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	276445	53.897	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	107.800%
35) Dibromofluoromethane	5.385	113	250642	52.912	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	105.820%
50) Toluene-d8	8.653	98	917441	50.427	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.860%
62) 4-Bromofluorobenzene	11.079	95	334212	48.043	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.080%

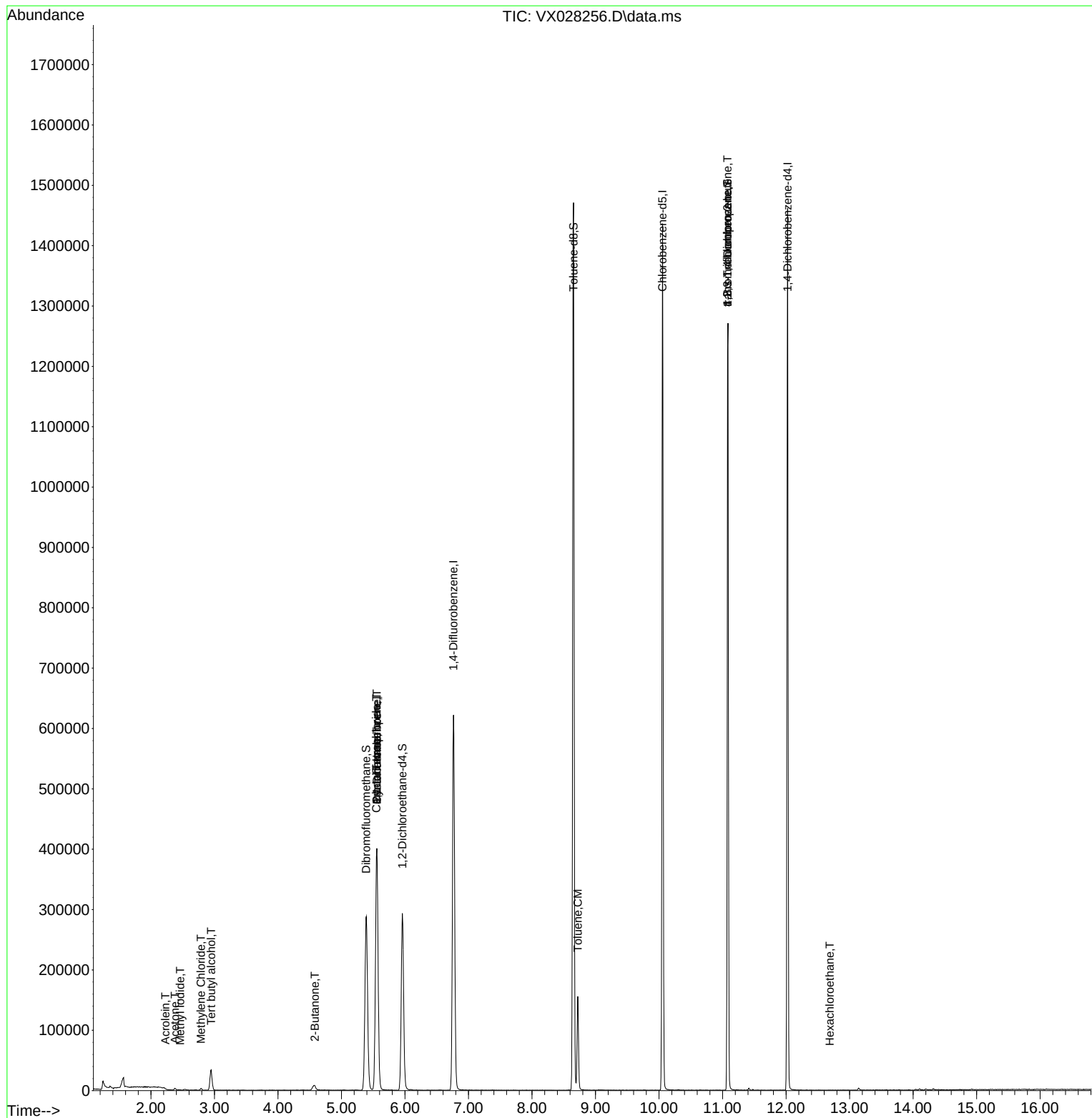
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.288	50	445	Below Cal	#	42
5) Bromomethane	1.605	94	776	Below Cal	#	51
6) Chloroethane	1.666	64	736	Below Cal	#	71
8) Diethyl Ether	2.117	74	19	Below Cal	#	1
10) Methyl Iodide	2.459	142	382	5.313	ug/l	# 70
11) Tert butyl alcohol	2.947	59	18699	9.479	ug/l	# 75
13) Acrolein	2.227	56	239	0.380	ug/l	# 1
16) Acetone	2.380	43	2997	0.520	ug/l	94
20) Methylene Chloride	2.788	84	1148	0.302	ug/l	# 86
25) 2-Butanone	4.580	43	3299	1.086	ug/l	# 75
31) Cyclohexane	5.556	56	7750	1.240	ug/l	# 8
36) 1,1-Dichloropropene	5.556	75	28783	4.658	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	39479	5.660	ug/l	# 15
52) Toluene	8.720	92	59272	4.717	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	167814	28.678	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	167814	85.222	ug/l	# 15
90) Hexachloroethane	12.689	117	27	1.822	ug/l	# 10

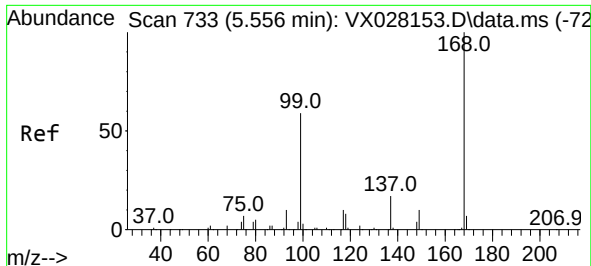
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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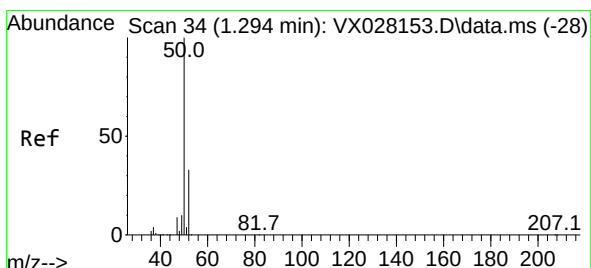
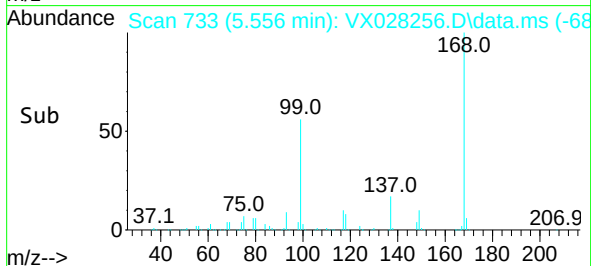
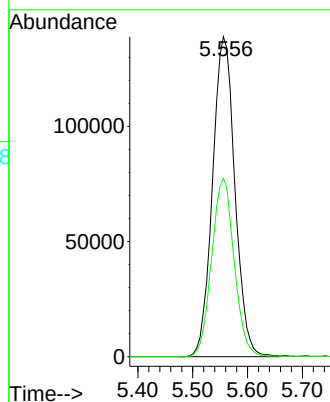
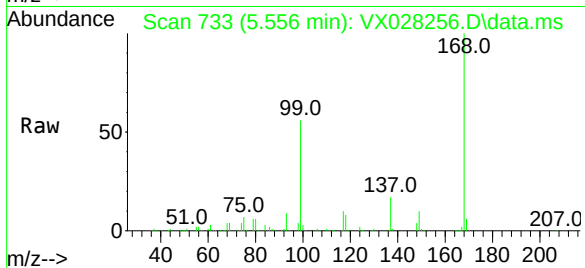




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

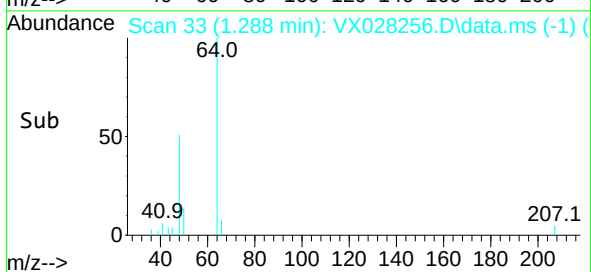
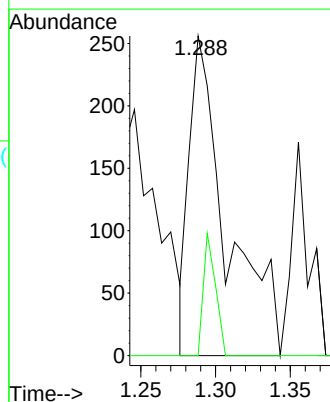
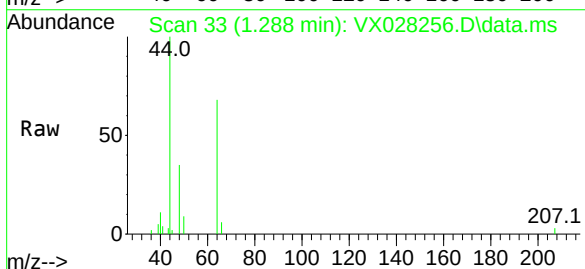
Instrument :
MSVOA_X
ClientSampleId :
1593

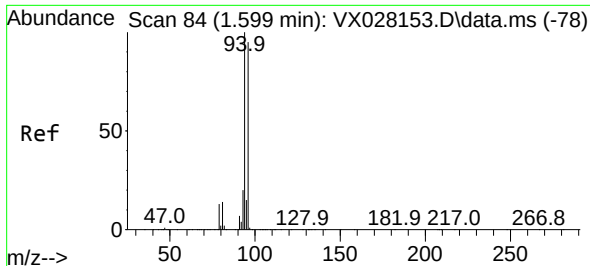
Tgt Ion:168 Resp: 393374
Ion Ratio Lower Upper
168 100
99 55.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

Tgt Ion: 50 Resp: 445
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

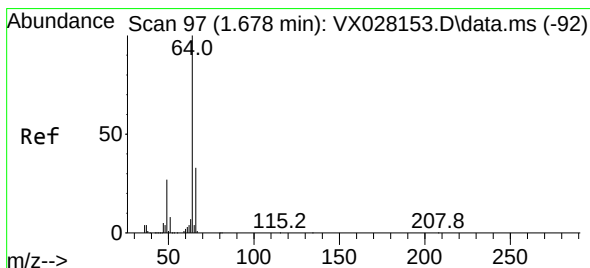
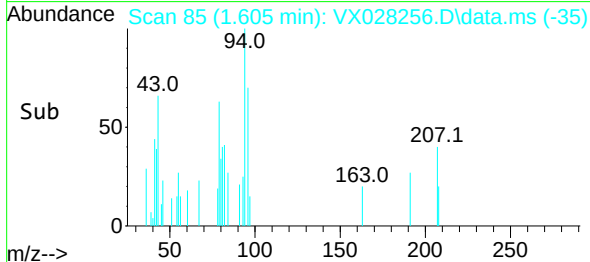
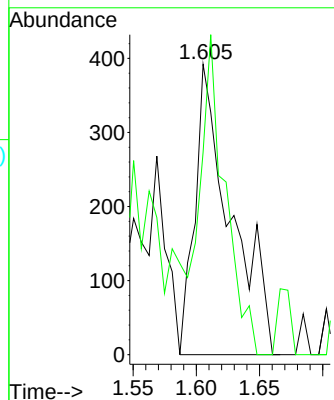
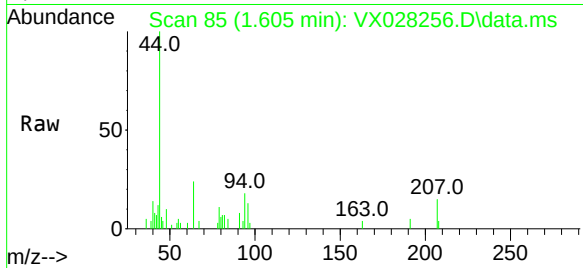




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

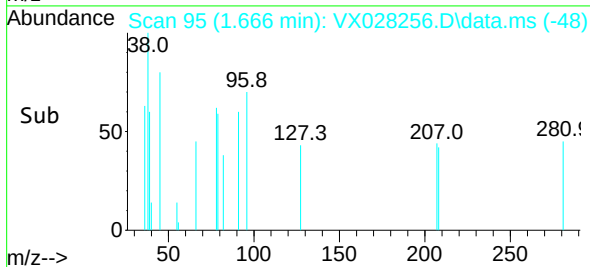
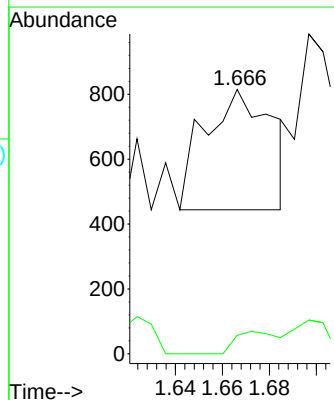
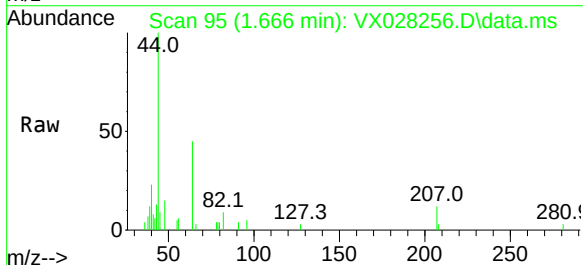
Instrument :
MSVOA_X
ClientSampleId :
1593

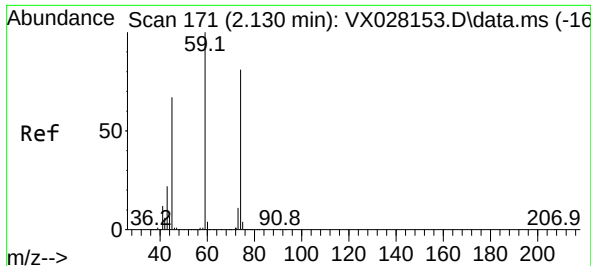
Tgt Ion: 94 Resp: 776
Ion Ratio Lower Upper
94 100
96 46.9 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

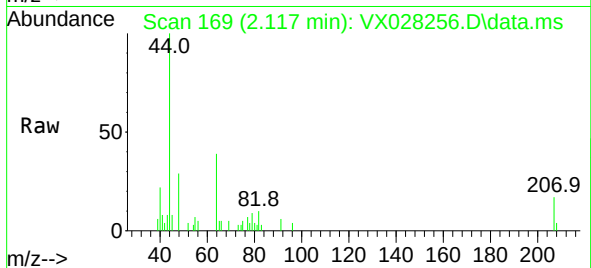
Tgt Ion: 64 Resp: 736
Ion Ratio Lower Upper
64 100
66 15.4 25.3 37.9#



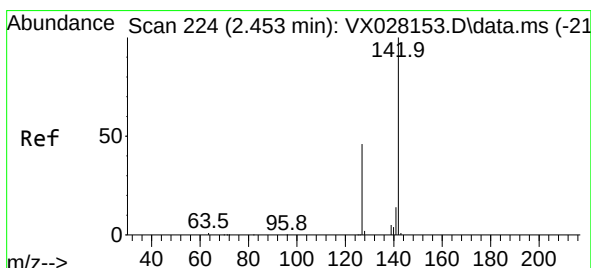
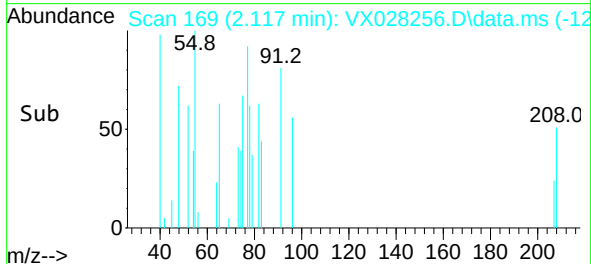
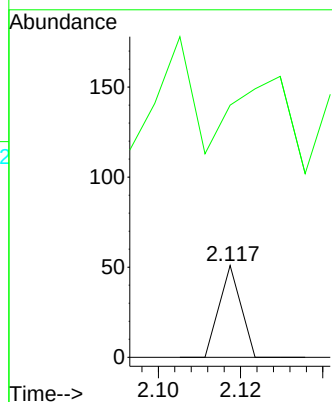


#8
Diethyl Ether
Concen: Below Cal
RT: 2.117 min Scan# 1
Delta R.T. -0.013 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

Instrument :
MSVOA_X
ClientSampleId :
1593

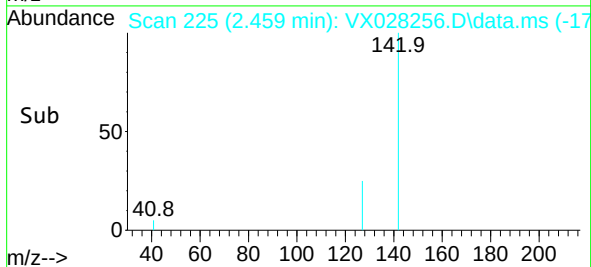
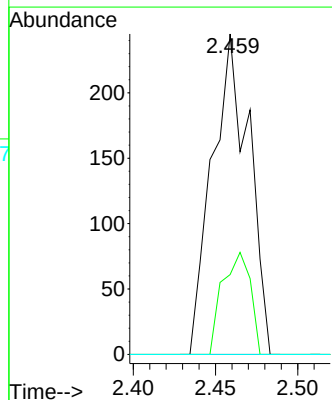
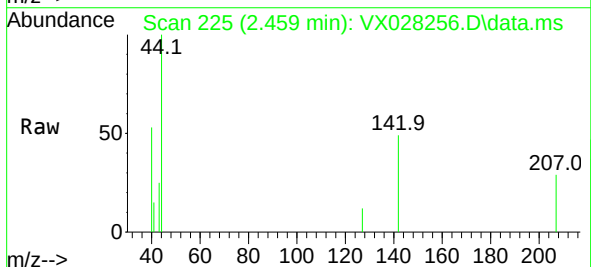


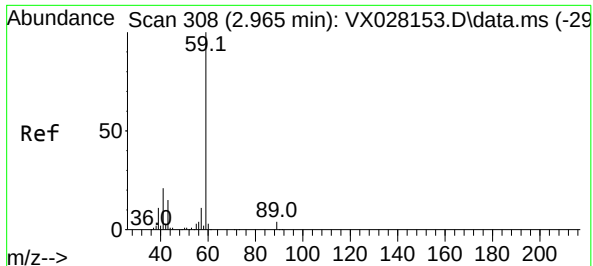
Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 315.8 42.0 126.0#



#10
Methyl Iodide
Concen: 5.313 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

Tgt Ion:142 Resp: 382
Ion Ratio Lower Upper
142 100
127 24.1 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 9.479 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028256.D

Acq: 21 Apr 2022 21:02

Instrument :

MSVOA_X

ClientSampleId :

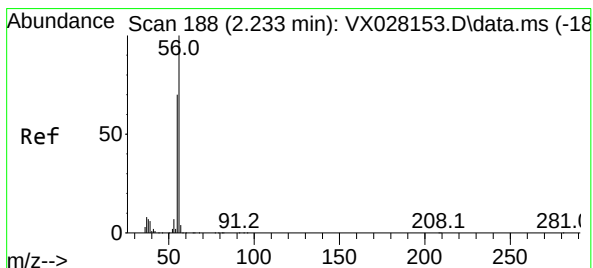
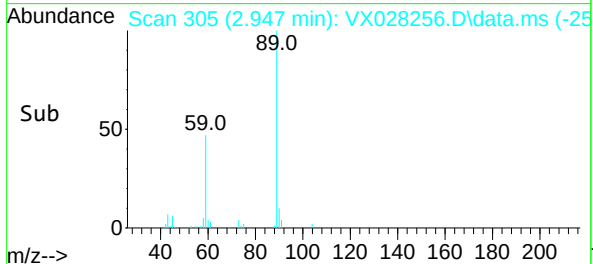
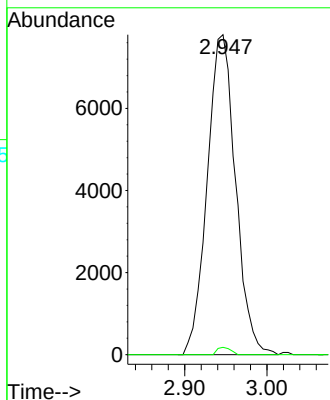
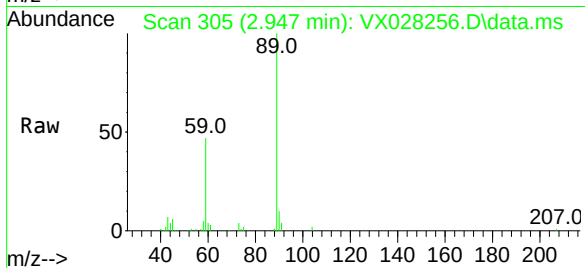
1593

Tgt Ion: 59 Resp: 18699

Ion Ratio Lower Upper

59 100

57 1.1 8.3 12.5#



#13

Acrolein

Concen: 0.380 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX028256.D

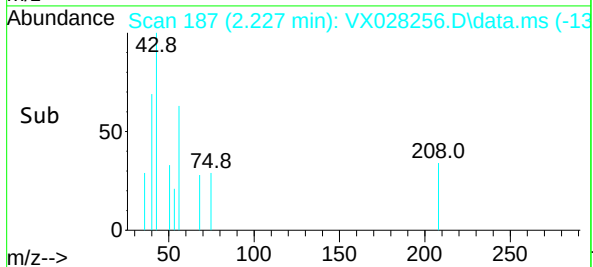
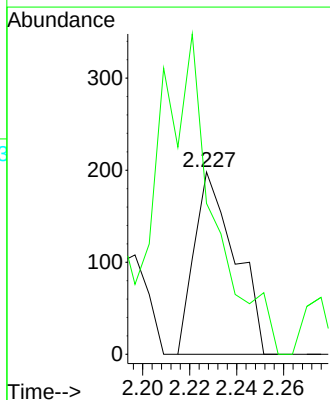
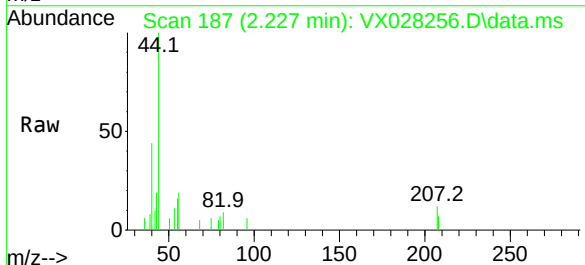
Acq: 21 Apr 2022 21:02

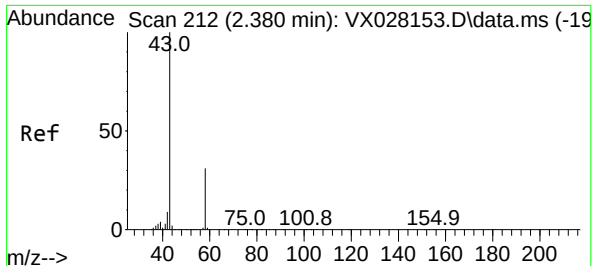
Tgt Ion: 56 Resp: 239

Ion Ratio Lower Upper

56 100

55 227.6 55.0 82.6#

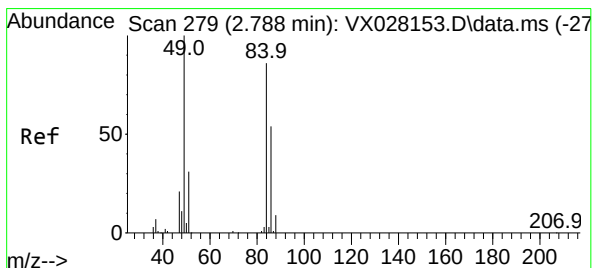
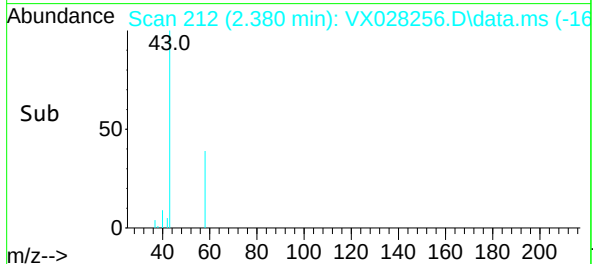
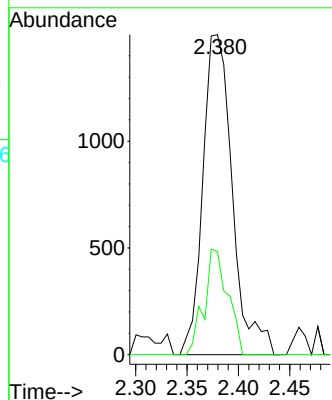
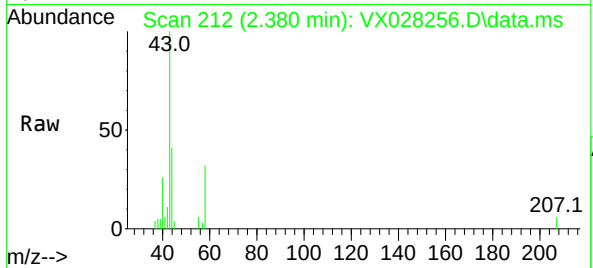




#16
Acetone
Concen: 0.520 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

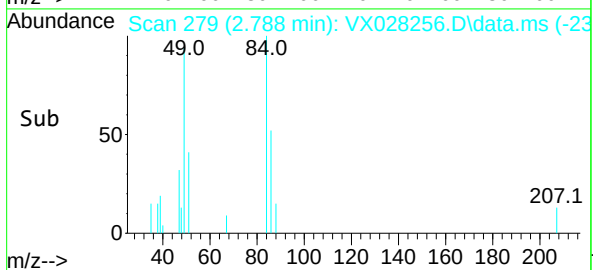
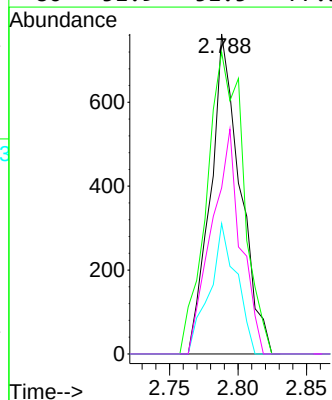
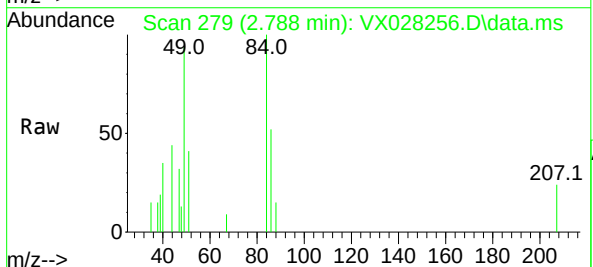
Instrument :
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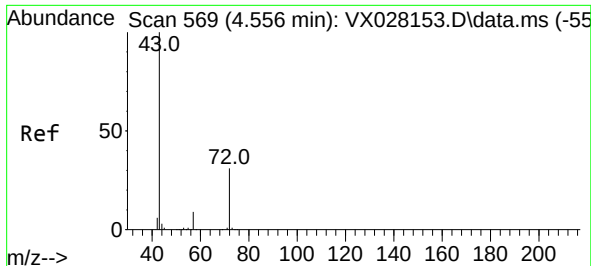
Tgt Ion: 43 Resp: 2997
Ion Ratio Lower Upper
43 100
58 32.3 28.8 43.2



#20
Methylene Chloride
Concen: 0.302 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

Tgt Ion: 84 Resp: 1148
Ion Ratio Lower Upper
84 100
49 94.2 85.5 128.3
51 40.8 26.6 39.8#
86 51.9 51.5 77.3

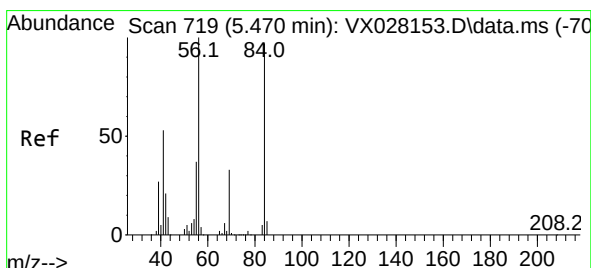
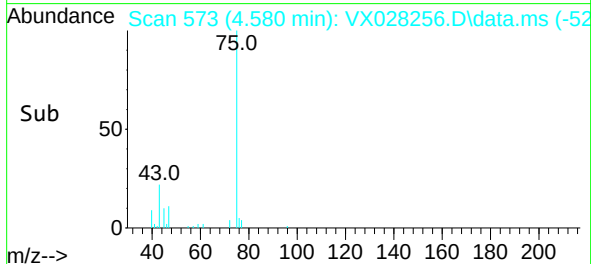
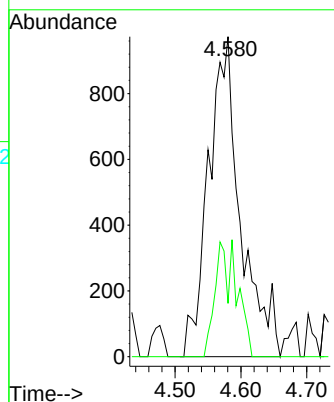
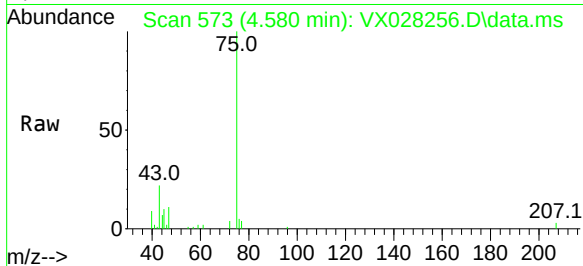




#25
2-Butanone
Concen: 1.086 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

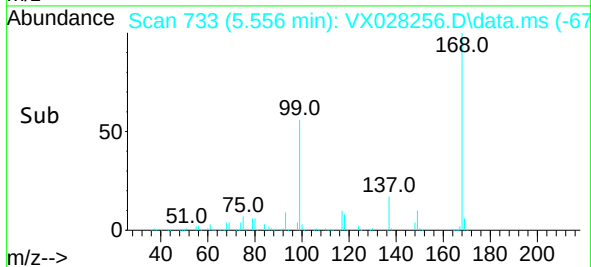
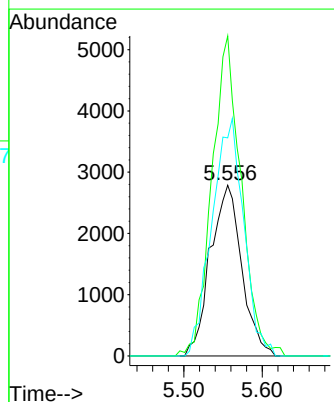
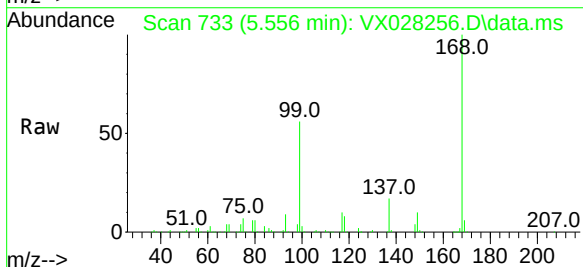
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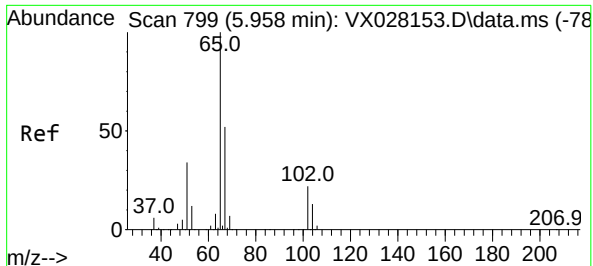
Tgt Ion: 43 Resp: 3299
Ion Ratio Lower Upper
43 100
72 16.6 24.4 36.6#



#31
Cyclohexane
Concen: 1.240 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

Tgt Ion: 56 Resp: 7750
Ion Ratio Lower Upper
56 100
69 184.5 26.7 40.1#
84 127.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 53.897 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028256.D

Acq: 21 Apr 2022 21:02

Instrument :

MSVOA_X

ClientSampleId :

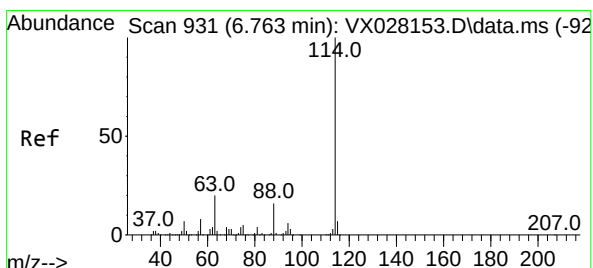
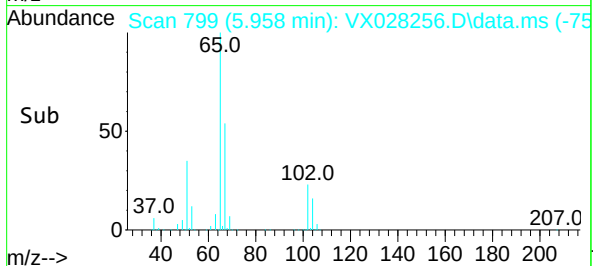
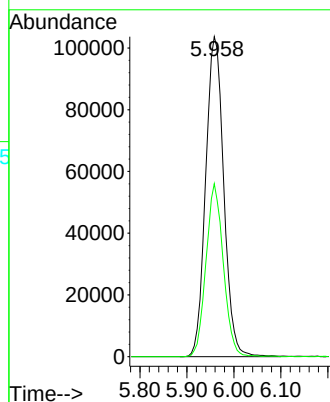
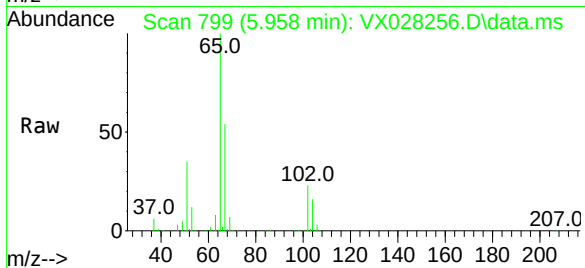
1593

Tgt Ion: 65 Resp: 276445

Ion Ratio Lower Upper

65 100

67 51.8 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: VX028256.D

Acq: 21 Apr 2022 21:02

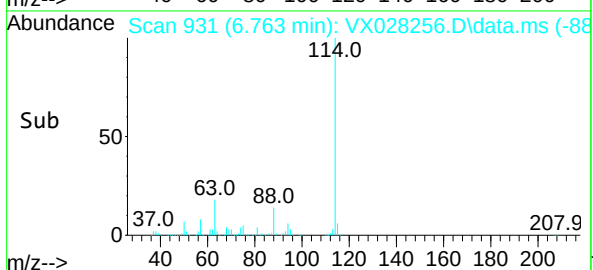
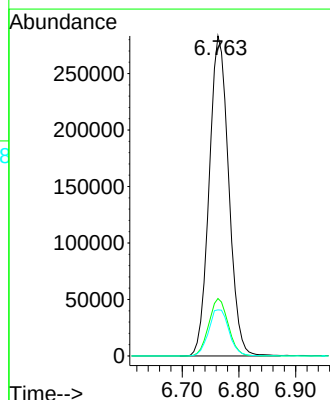
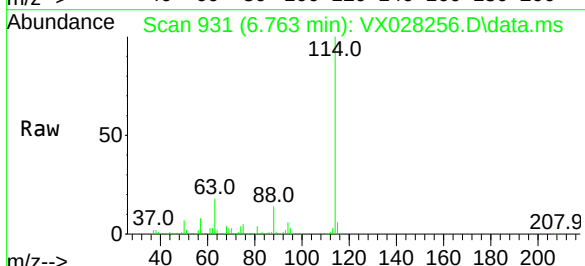
Tgt Ion: 114 Resp: 675457

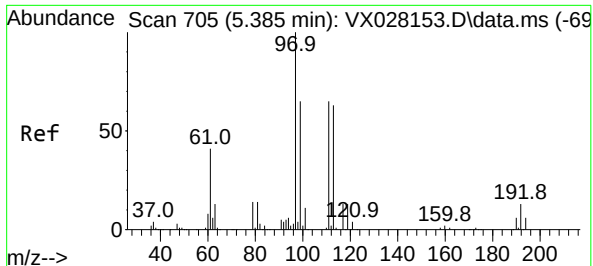
Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.8

88 14.4 0.0 32.4

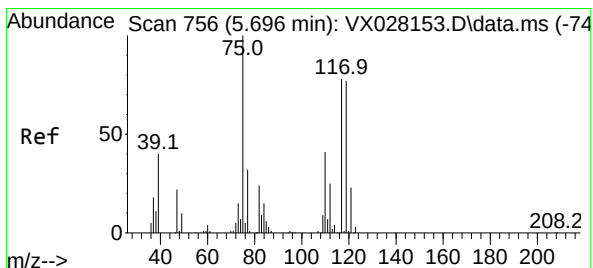
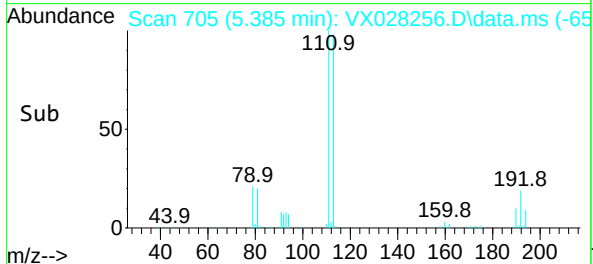
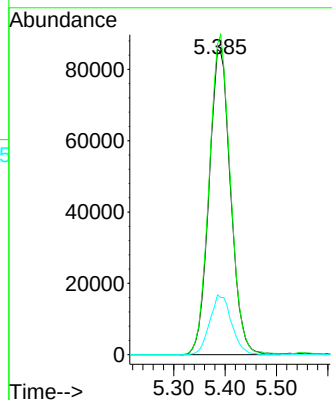
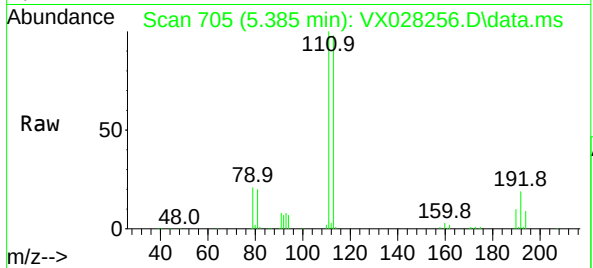




#35
Dibromofluoromethane
Concen: 52.912 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

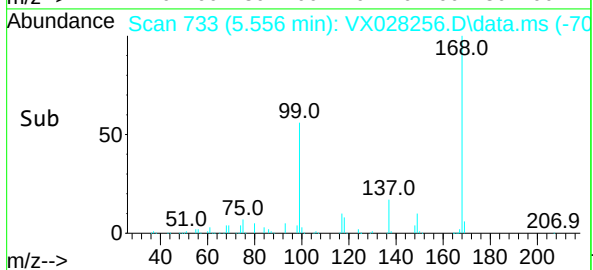
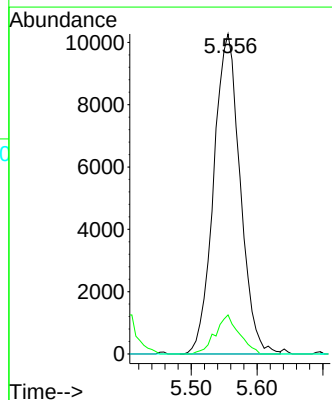
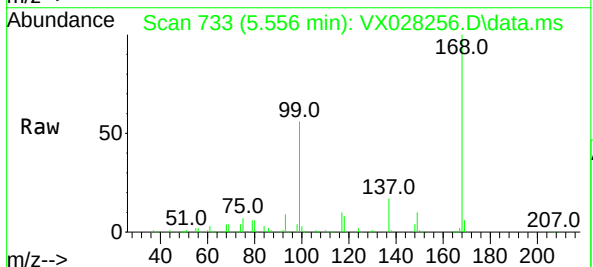
Instrument :
MSVOA_X
ClientSampleId :
1593

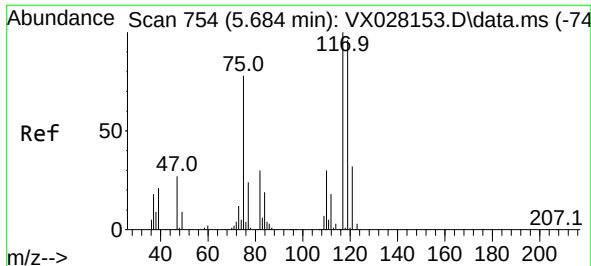
Tgt Ion:113 Resp: 250642
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.658 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

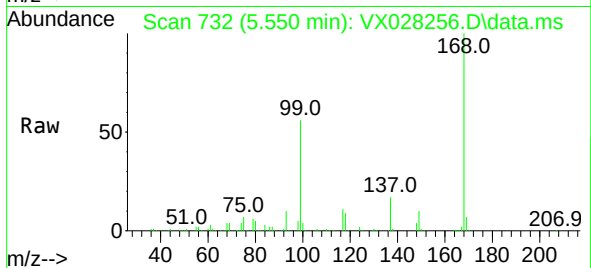
Tgt Ion: 75 Resp: 28783
Ion Ratio Lower Upper
75 100
110 11.0 18.3 54.8#
77 0.0 24.8 37.2#



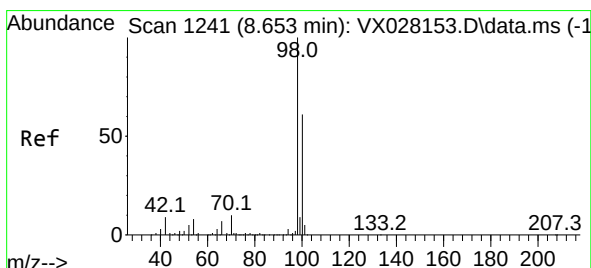
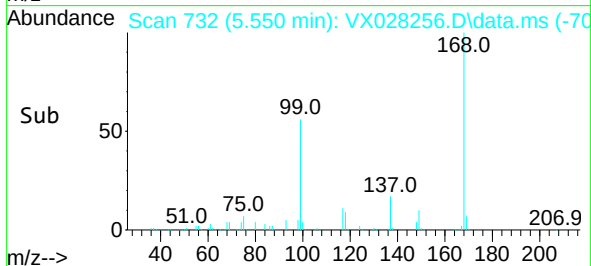
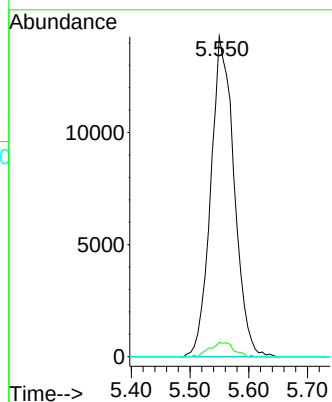


#38
Carbon Tetrachloride
Concen: 5.660 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

Instrument :
MSVOA_X
ClientSampleId :
1593

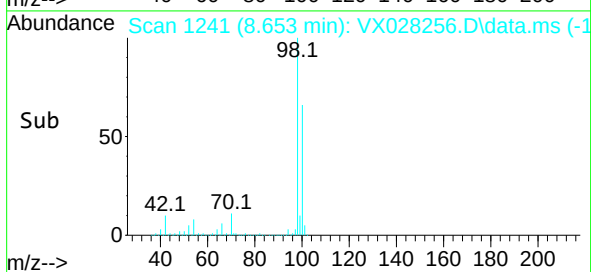
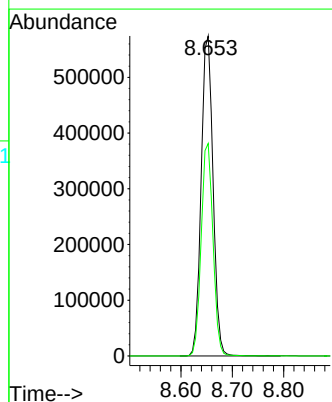
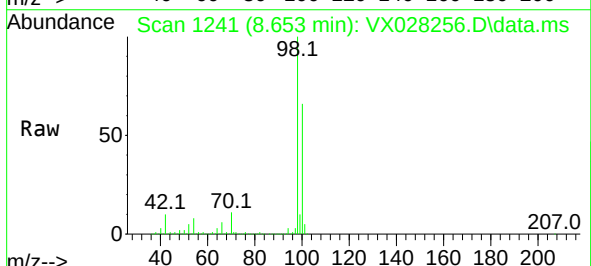


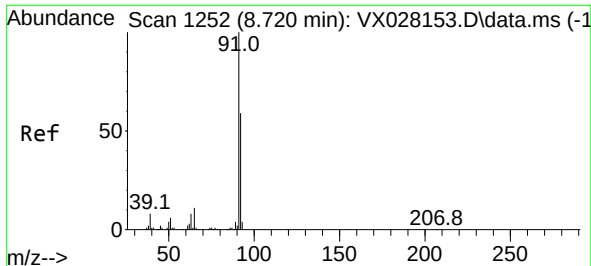
Tgt Ion:117 Resp: 39479
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.427 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

Tgt Ion: 98 Resp: 917441
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

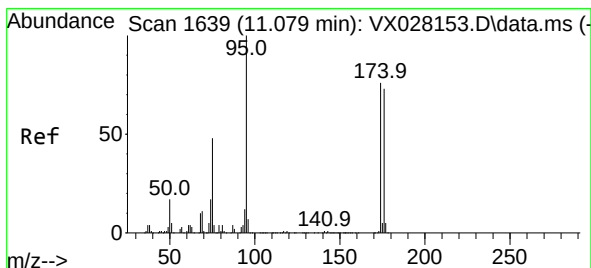
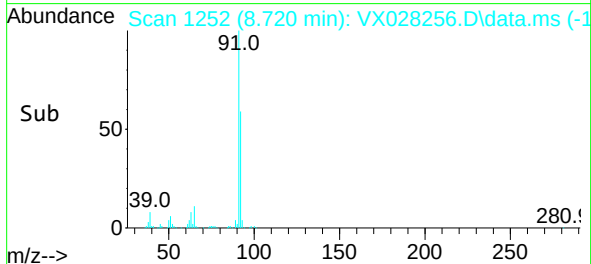
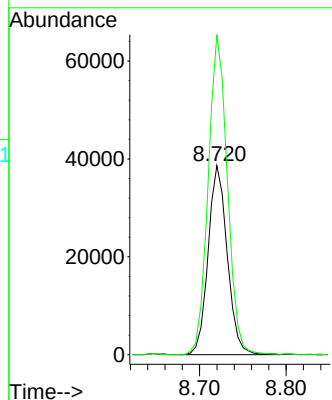
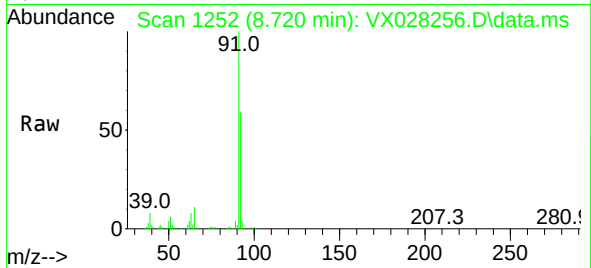




#52
Toluene
Concen: 4.717 ug/l
RT: 8.720 min Scan# 11593
Delta R.T. -0.000 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

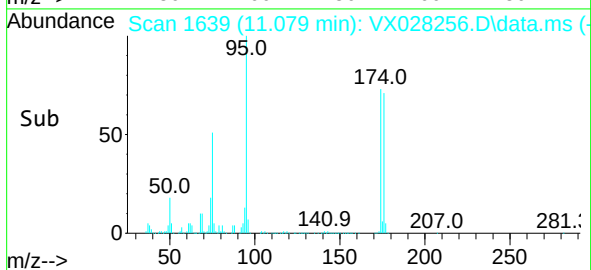
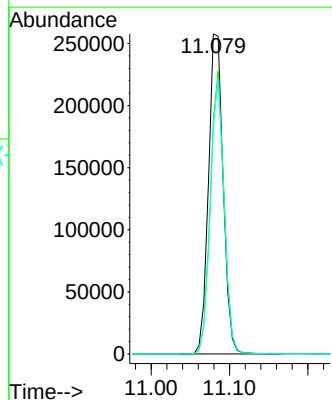
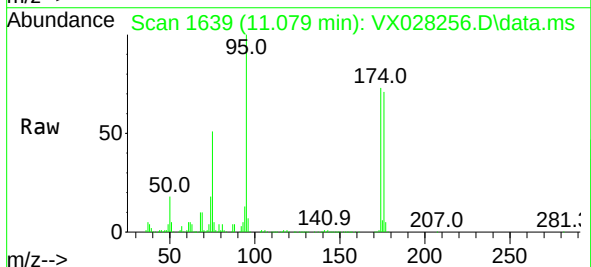
Instrument :
MSVOA_X
ClientSampleId :
1593

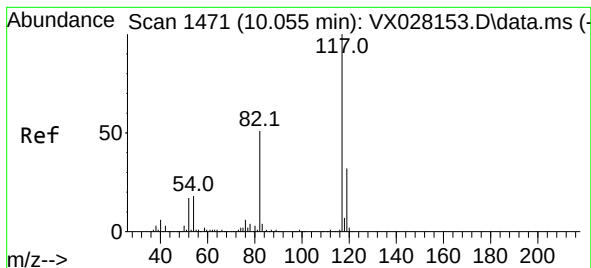
Tgt Ion: 92 Resp: 59272
Ion Ratio Lower Upper
92 100
91 169.6 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 48.043 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

Tgt Ion: 95 Resp: 334212
Ion Ratio Lower Upper
95 100
174 83.5 0.0 163.0
176 80.6 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: VX028256.D

Acq: 21 Apr 2022 21:02

Instrument :

MSVOA_X

ClientSampleId :

1593

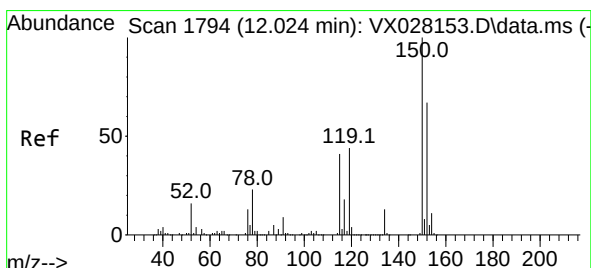
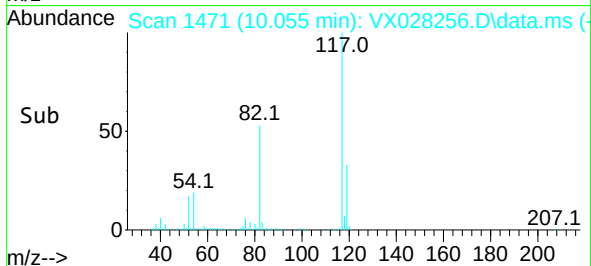
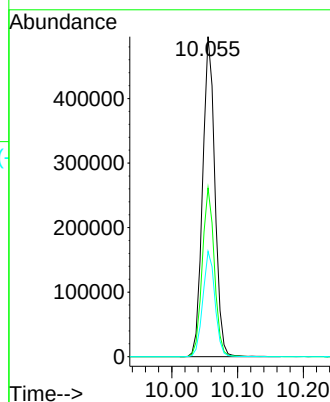
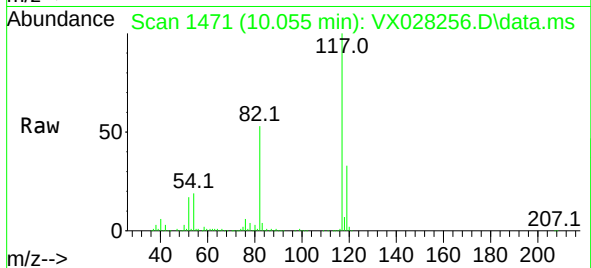
Tgt Ion:117 Resp: 643364

Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.8

119 32.9 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: VX028256.D

Acq: 21 Apr 2022 21:02

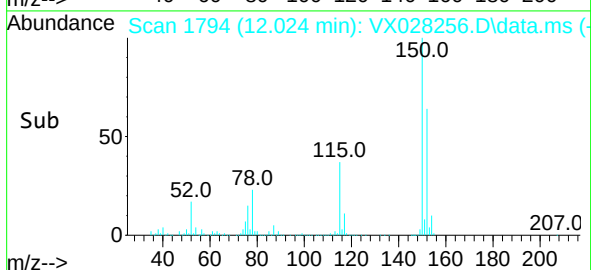
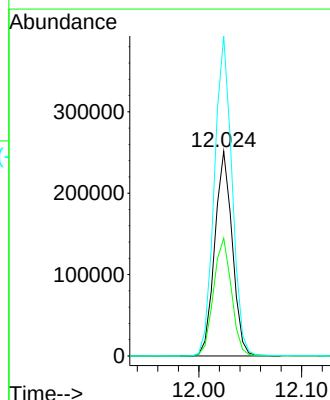
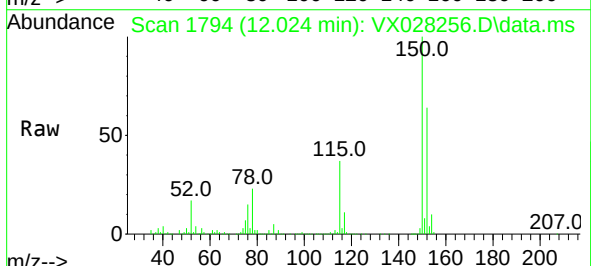
Tgt Ion:152 Resp: 297335

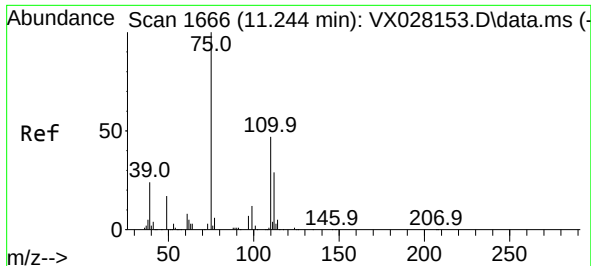
Ion Ratio Lower Upper

152 100

115 58.6 37.5 112.7

150 157.4 0.0 338.2

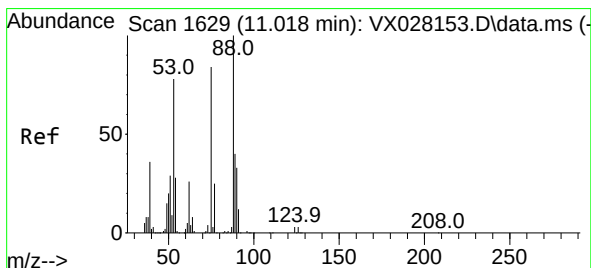
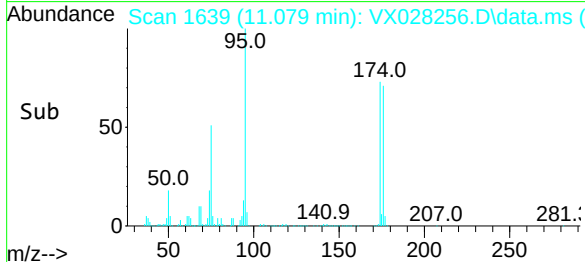
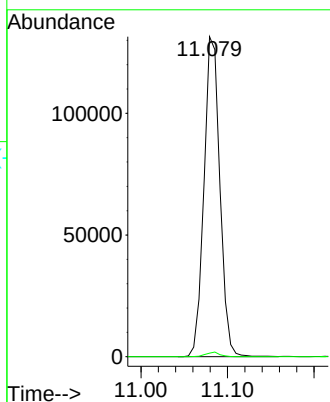
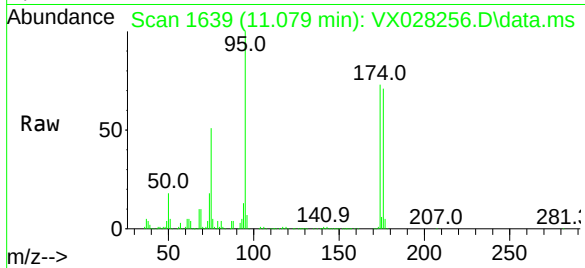




#76
1,2,3-Trichloropropane
Concen: 28.678 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

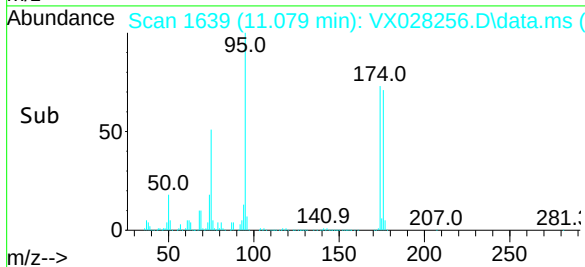
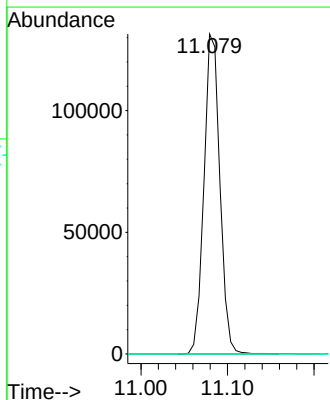
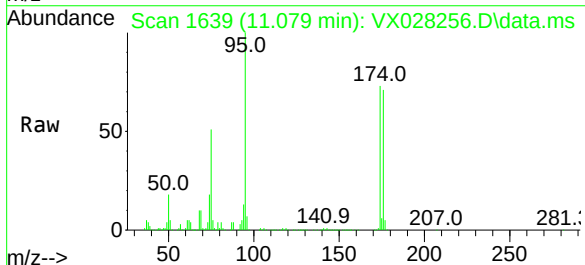
Instrument :
MSVOA_X
ClientSampleId :
1593

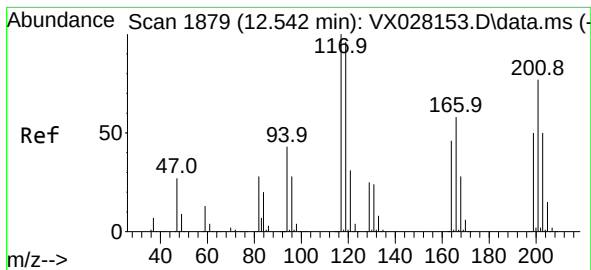
Tgt Ion: 75 Resp: 167814
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.222 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028256.D
Acq: 21 Apr 2022 21:02

Tgt Ion: 75 Resp: 167814
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#90

Hexachloroethane

Concen: 1.822 ug/l

RT: 12.689 min Scan# 1593

Delta R.T. 0.147 min

Lab File: VX028256.D

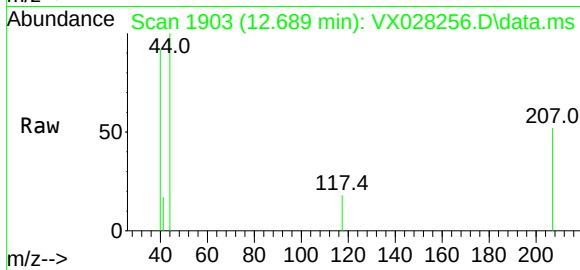
Acq: 21 Apr 2022 21:02

Instrument :

MSVOA_X

ClientSampleId :

1593



Tgt Ion:117 Resp: 27

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#

