

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050322\
 Data File : VX028508.D
 Acq On : 03 May 2022 17:49
 Operator : JC/MD
 Sample : N2641-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-21

Quant Time: May 04 06:07:17 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

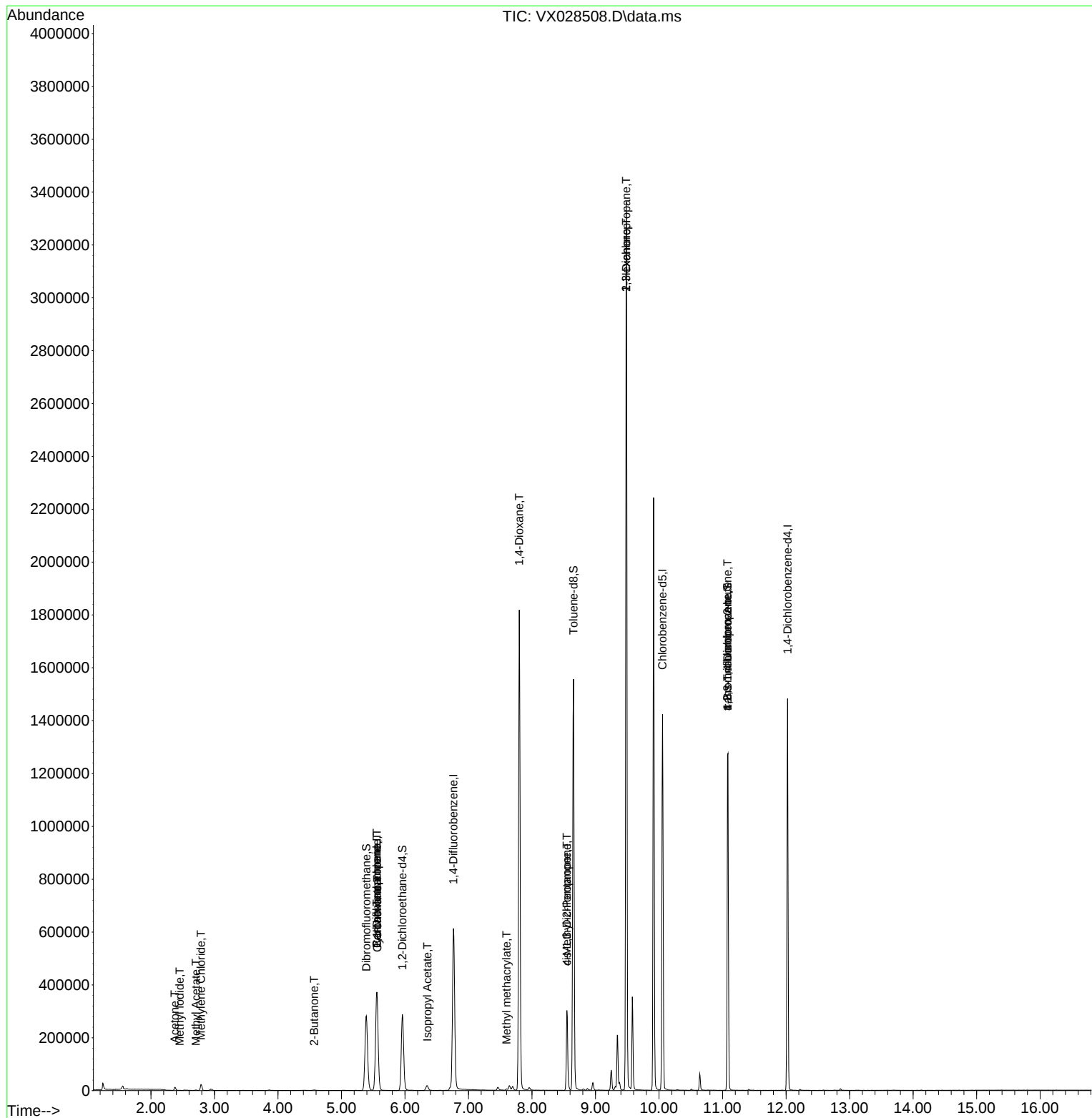
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	364176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	646676	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	661255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	306281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	273119	57.518	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.040%
35) Dibromofluoromethane	5.391	113	242627	53.500	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.000%
50) Toluene-d8	8.653	98	934386	53.644	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	107.280%
62) 4-Bromofluorobenzene	11.079	95	343536	51.582	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.160%
Target Compounds						Qvalue
3) Chloromethane	1.295	50	386	Below Cal	#	61
5) Bromomethane	1.612	94	832	Below Cal		84
6) Chloroethane	1.679	64	395	Below Cal	#	44
8) Diethyl Ether	2.142	74	149	Below Cal		77
10) Methyl Iodide	2.453	142	202	5.279	ug/l #	74
11) Tert butyl alcohol	2.941	59	3018	Below Cal	#	72
16) Acetone	2.374	43	13049	7.644	ug/l	89
18) Methyl Acetate	2.709	43	2094	0.496	ug/l #	87
20) Methylene Chloride	2.788	84	10922	3.100	ug/l	98
25) 2-Butanone	4.568	43	2360	0.839	ug/l	90
31) Cyclohexane	5.562	56	7187	1.242	ug/l #	41
36) 1,1-Dichloropropene	5.556	75	26036	4.401	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36382	5.448	ug/l #	15
43) Isopropyl Acetate	6.355	43	25554	2.616	ug/l	99
48) Methyl methacrylate	7.598	41	7649	1.705	ug/l #	7
49) 1,4-Dioxane	7.799	88	214	1.784	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	97776	15.597	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	52784	7.238	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	32695	4.144	ug/l #	43
59) 2-Hexanone	9.482	43	368677	75.922	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	170089	28.217	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	170089	83.855	ug/l #	15

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

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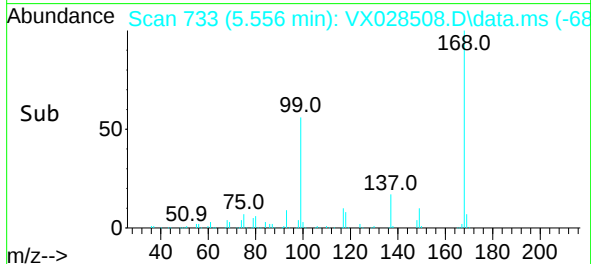
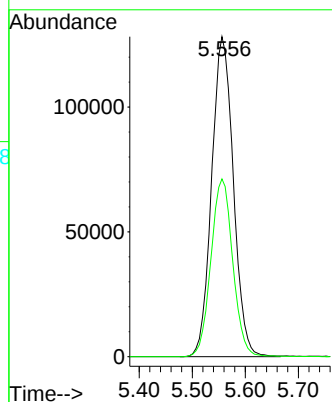
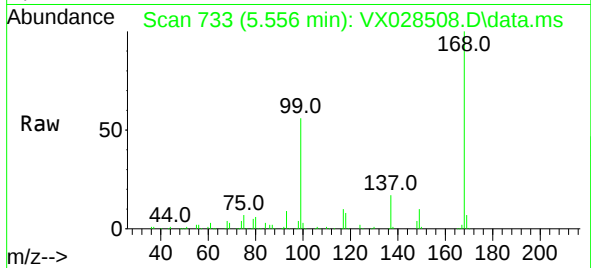




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

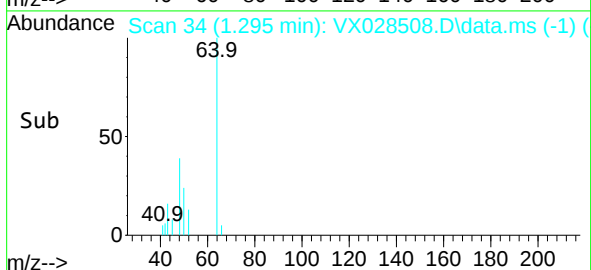
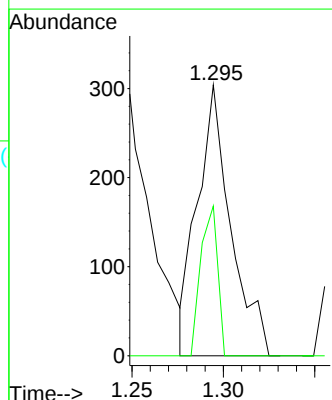
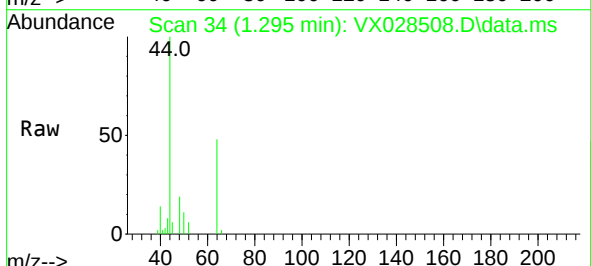
Instrument :
MSVOA_X
ClientSampleId :
TP-21

Tgt Ion:168 Resp: 364176
Ion Ratio Lower Upper
168 100
99 55.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 50 Resp: 386
Ion Ratio Lower Upper
50 100
52 55.3 26.4 39.6#

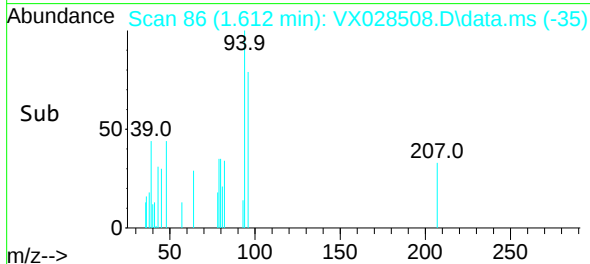
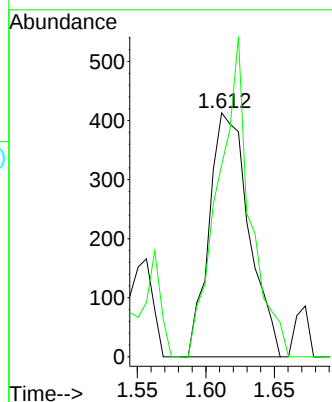
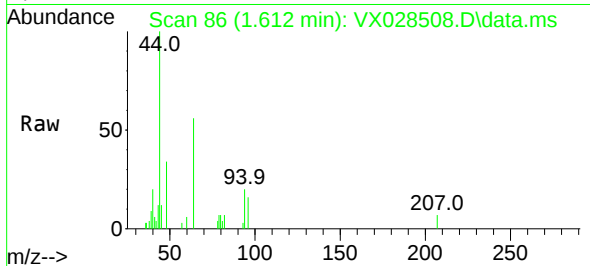




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

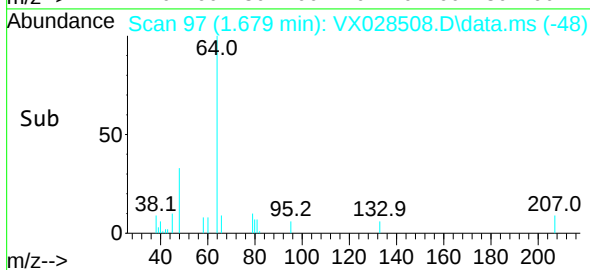
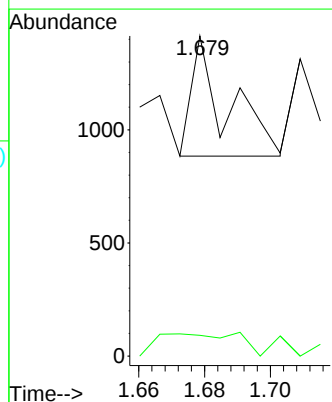
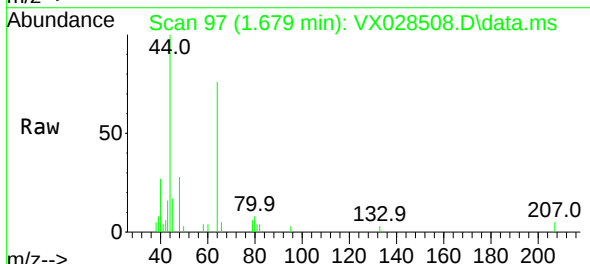
Instrument :
MSVOA_X
ClientSampleId :
TP-21

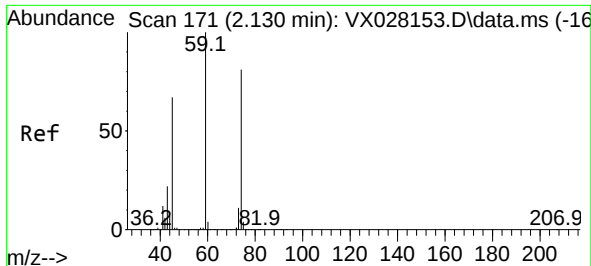
Tgt Ion: 94 Resp: 832
Ion Ratio Lower Upper
94 100
96 78.7 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 97
Delta R.T. 0.001 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 64 Resp: 395
Ion Ratio Lower Upper
64 100
66 0.6 25.3 37.9#

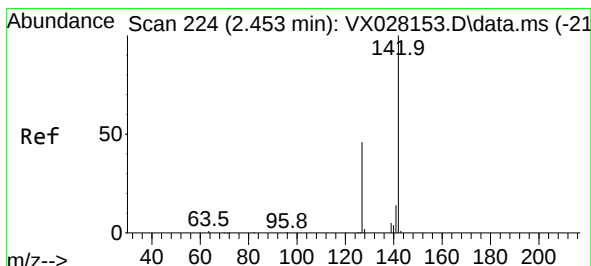
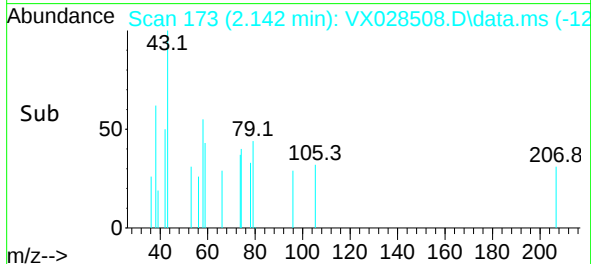
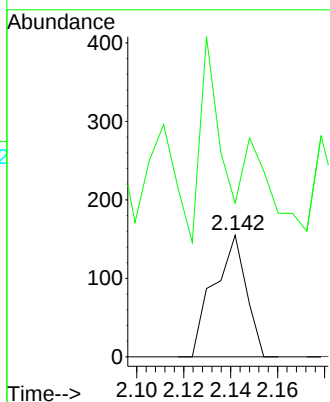
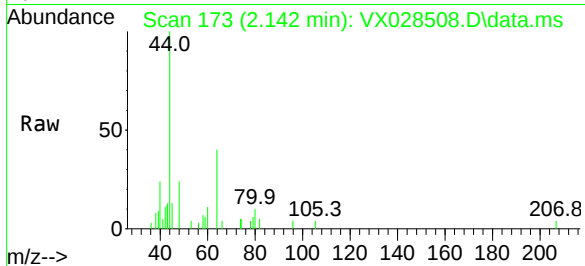




#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

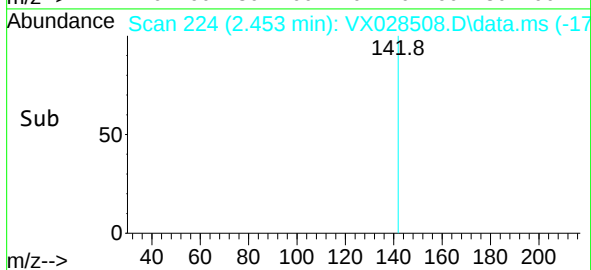
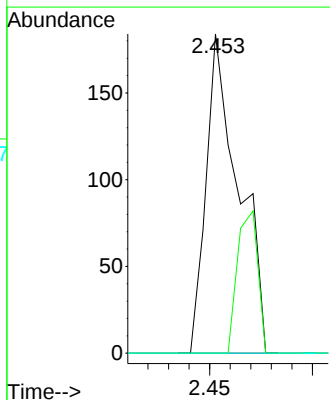
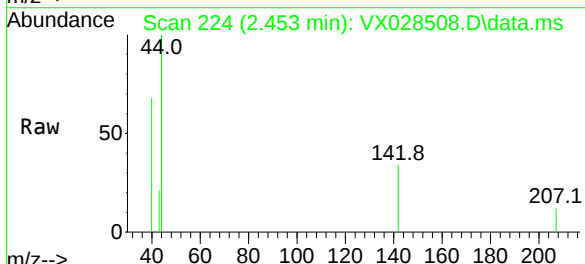
Instrument :
MSVOA_X
ClientSampleId :
TP-21

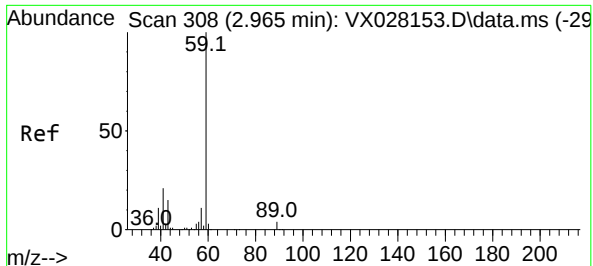
Tgt Ion: 74 Resp: 149
Ion Ratio Lower Upper
74 100
45 104.7 42.0 126.0



#10
Methyl Iodide
Concen: 5.279 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion:142 Resp: 202
Ion Ratio Lower Upper
142 100
127 27.7 33.9 50.9#
141 0.0 11.4 17.2#

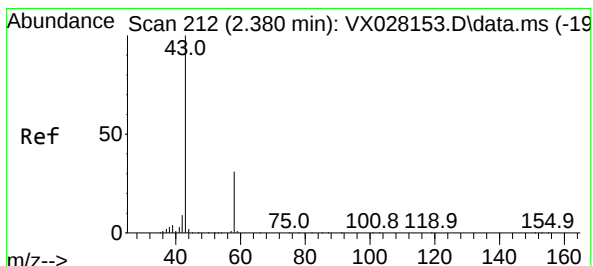
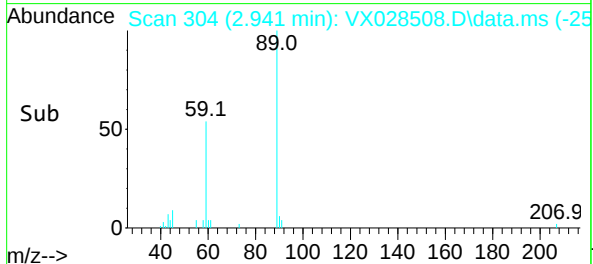
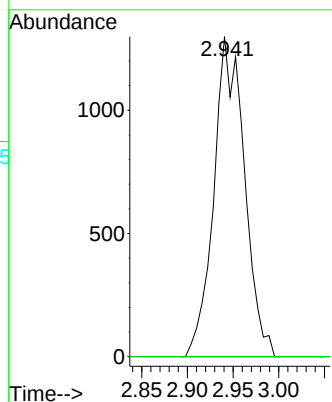
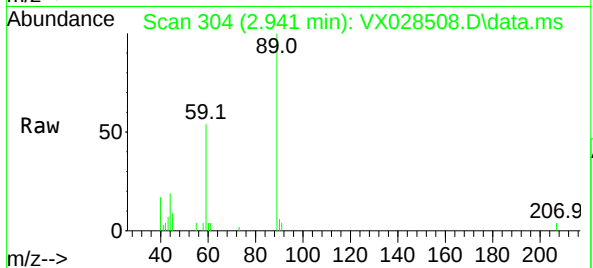




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

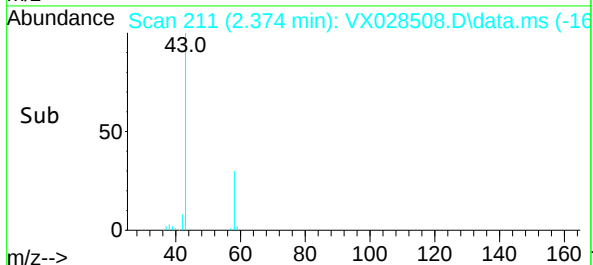
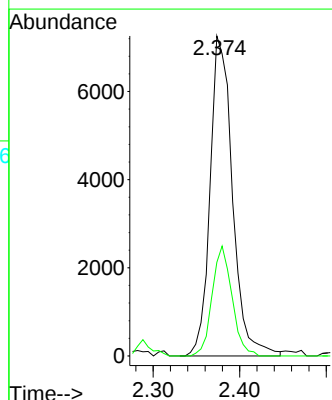
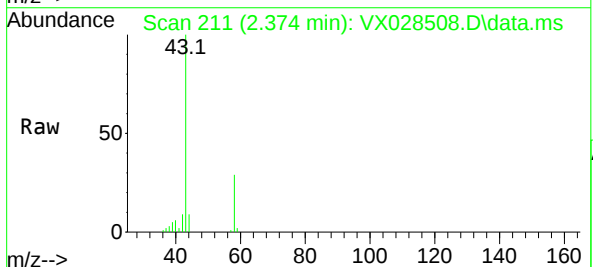
Instrument :
MSVOA_X
ClientSampleId :
TP-21

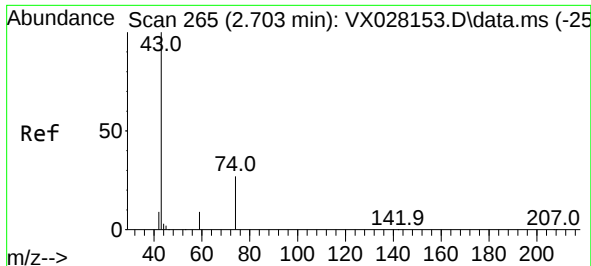
Tgt Ion: 59 Resp: 3018
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 7.644 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 43 Resp: 13049
Ion Ratio Lower Upper
43 100
58 29.3 28.8 43.2

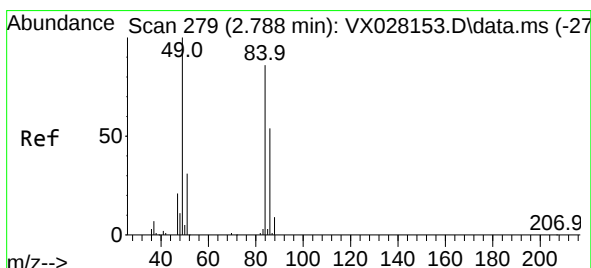
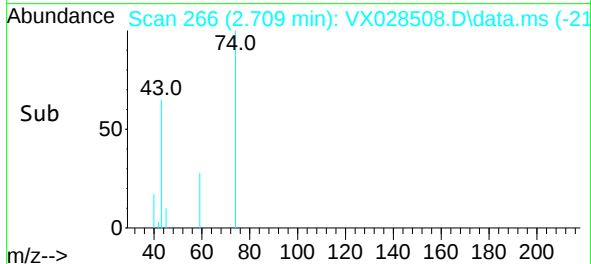
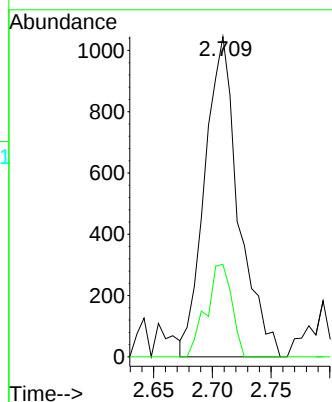
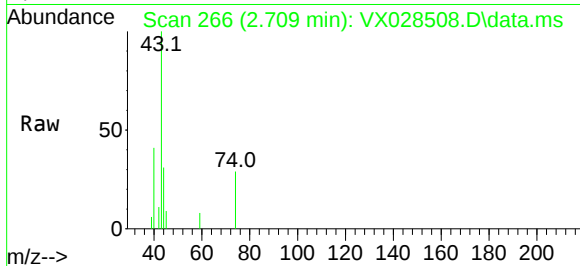




#18
Methyl Acetate
Concen: 0.496 ug/l
RT: 2.709 min Scan# 2094
Delta R.T. 0.006 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

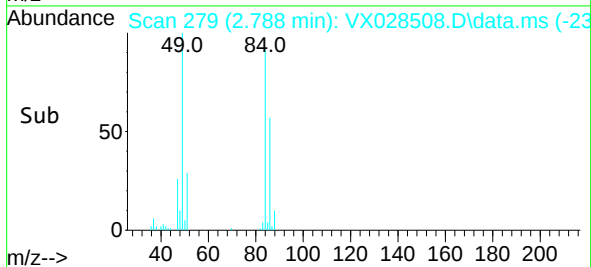
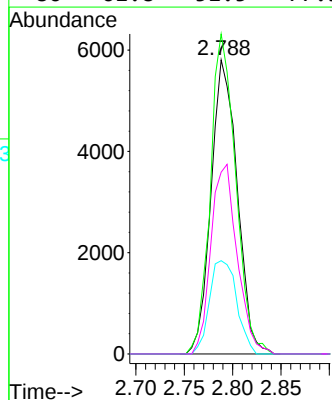
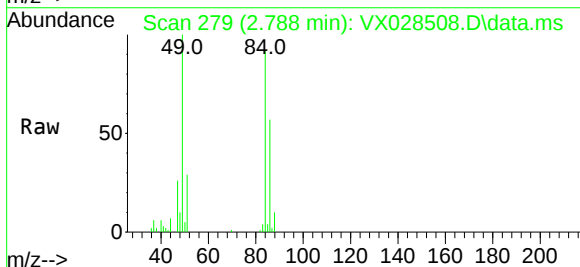
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ClientSampleId :
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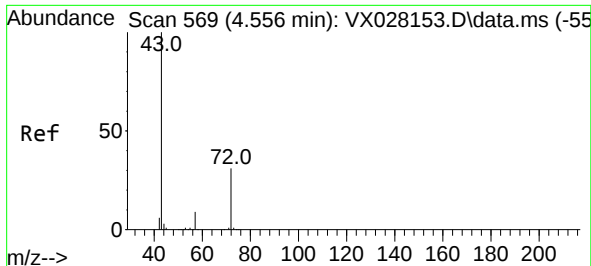
Tgt Ion: 43 Resp: 2094
Ion Ratio Lower Upper
43 100
74 21.6 22.8 34.2#



#20
Methylene Chloride
Concen: 3.100 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 84 Resp: 10922
Ion Ratio Lower Upper
84 100
49 108.8 85.5 128.3
51 31.7 26.6 39.8
86 61.8 51.5 77.3

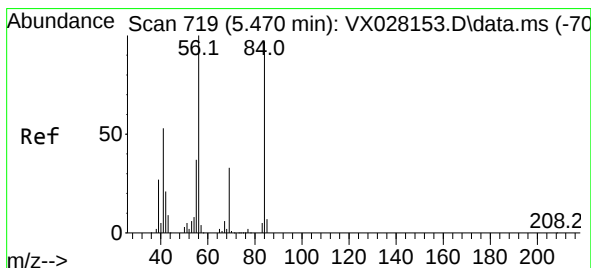
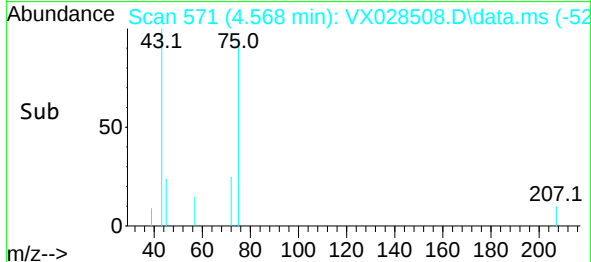
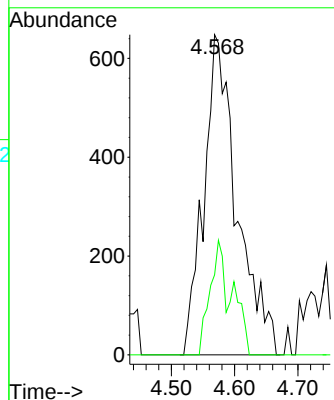
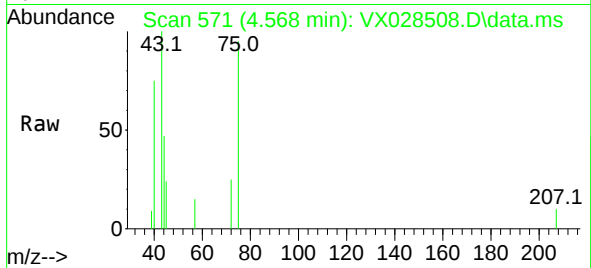




#25
2-Butanone
Concen: 0.839 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

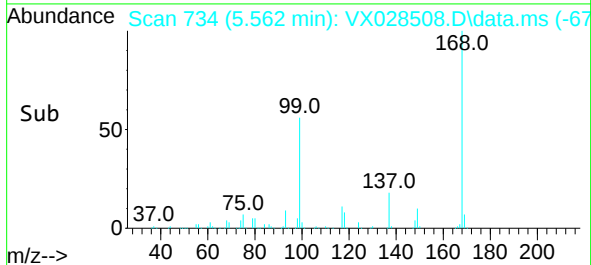
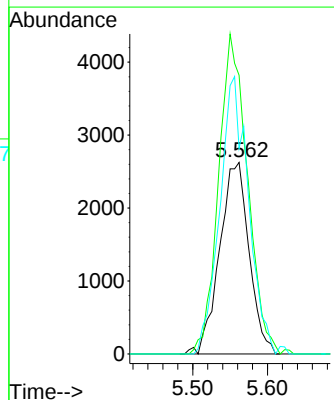
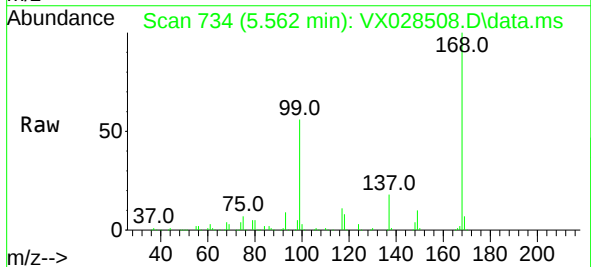
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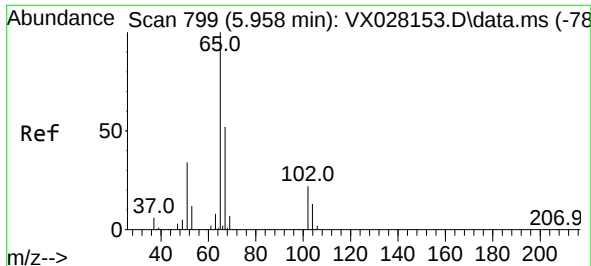
Tgt Ion: 43 Resp: 2360
Ion Ratio Lower Upper
43 100
72 25.0 24.4 36.6



#31
Cyclohexane
Concen: 1.242 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.092 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 56 Resp: 7187
Ion Ratio Lower Upper
56 100
69 145.5 26.7 40.1#
84 107.3 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 57.518 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028508.D

Acq: 03 May 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

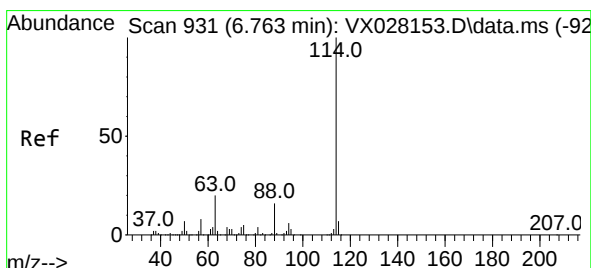
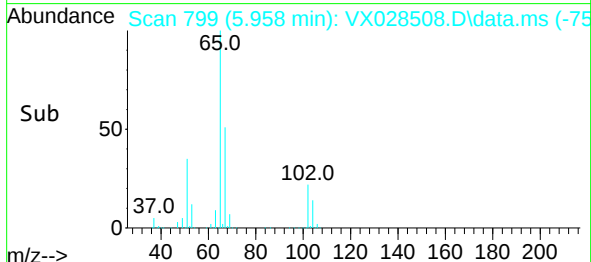
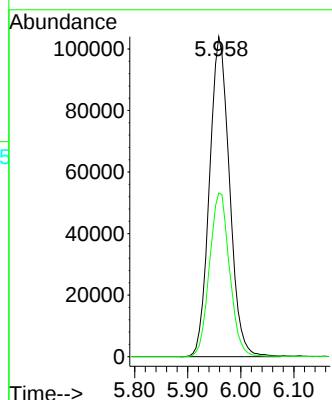
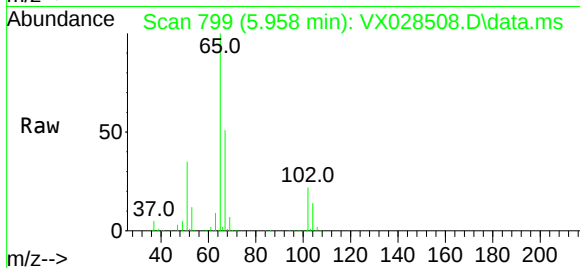
TP-21

Tgt Ion: 65 Resp: 273119

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# 931

Delta R.T. 0.000 min

Lab File: VX028508.D

Acq: 03 May 2022 17:49

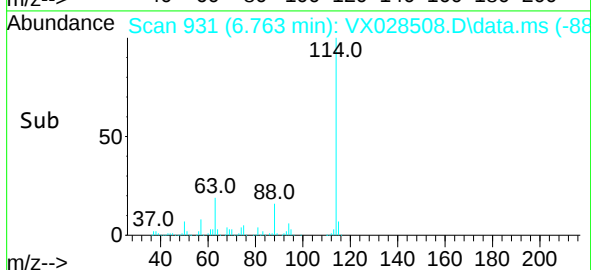
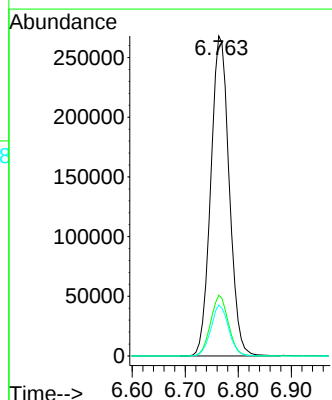
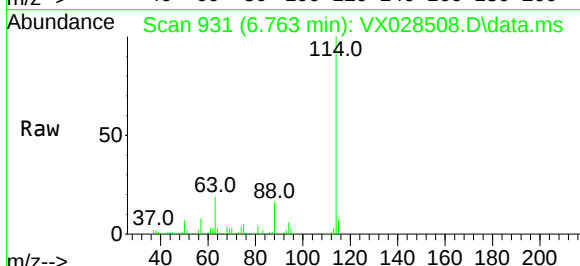
Tgt Ion: 114 Resp: 646676

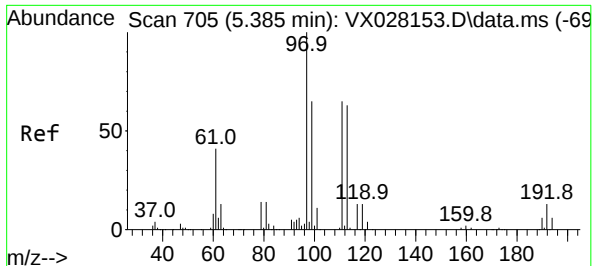
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 15.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.500 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028508.D

Acq: 03 May 2022 17:49

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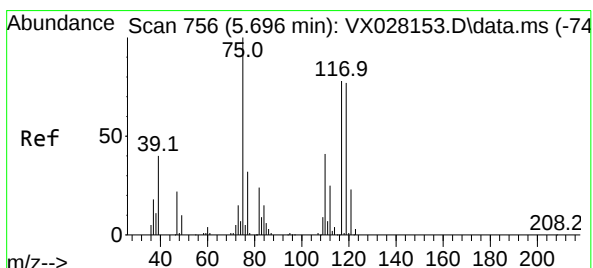
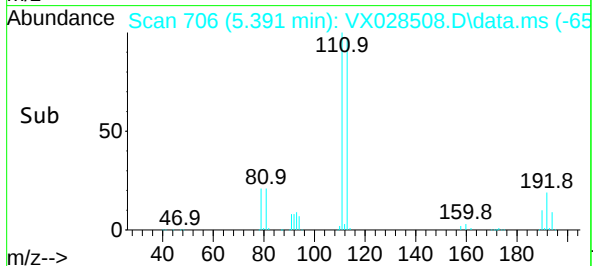
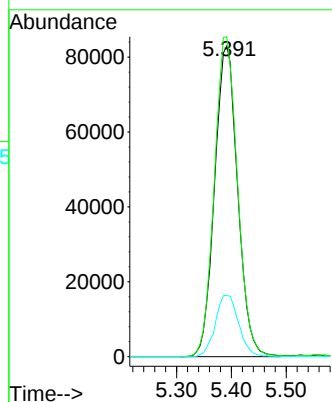
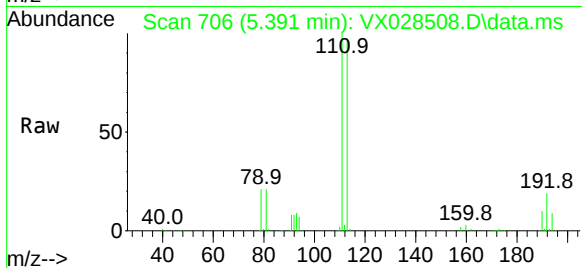
Tgt Ion:113 Resp: 242627

Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

192 20.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.401 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028508.D

Acq: 03 May 2022 17:49

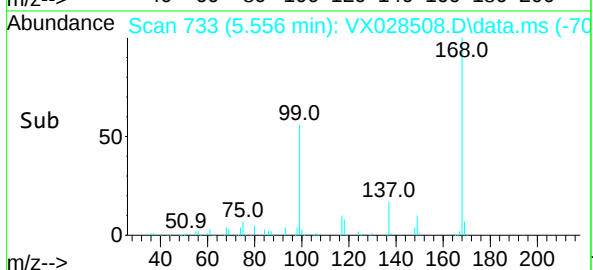
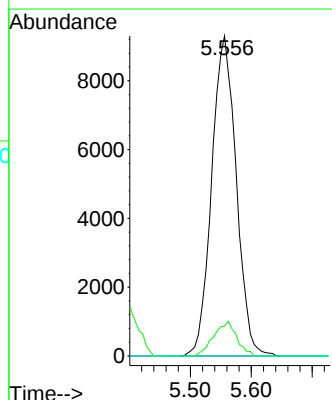
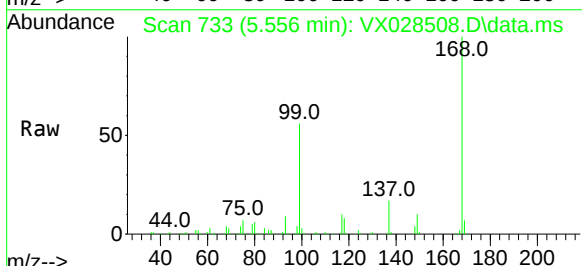
Tgt Ion: 75 Resp: 26036

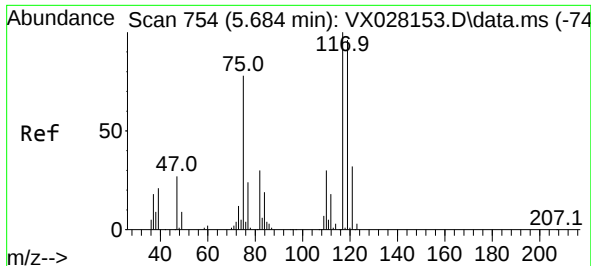
Ion Ratio Lower Upper

75 100

110 10.1 18.3 54.8#

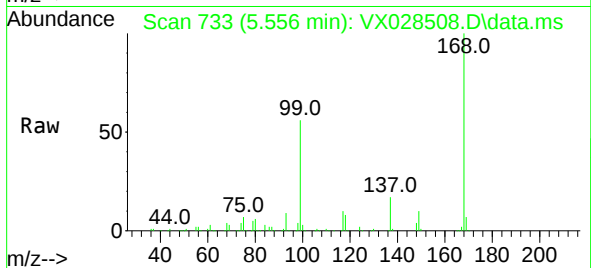
77 0.0 24.8 37.2#



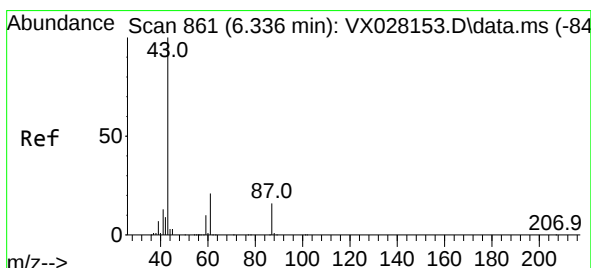
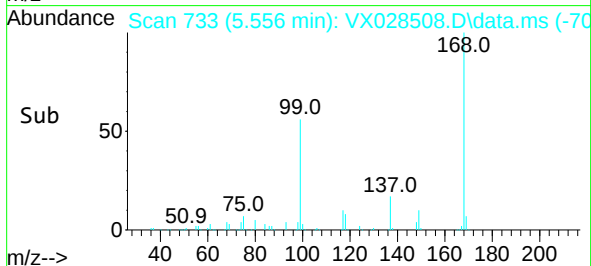
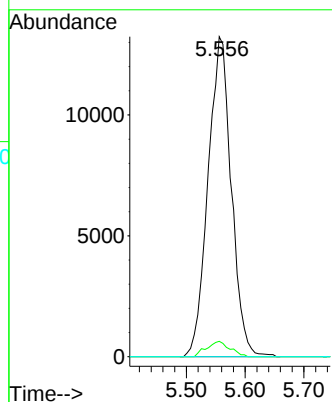


#38
Carbon Tetrachloride
Concen: 5.448 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Instrument :
MSVOA_X
ClientSampleId :
TP-21

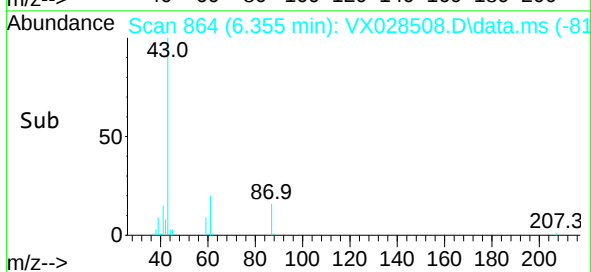
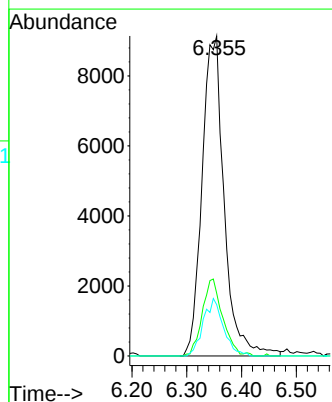
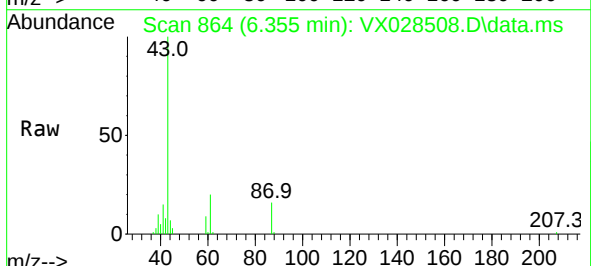


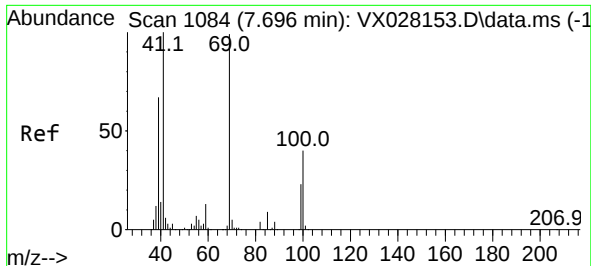
Tgt Ion:117 Resp: 36382
Ion Ratio Lower Upper
117 100
119 4.8 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.616 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.019 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 43 Resp: 25554
Ion Ratio Lower Upper
43 100
61 22.1 18.5 27.7
87 16.4 13.0 19.6

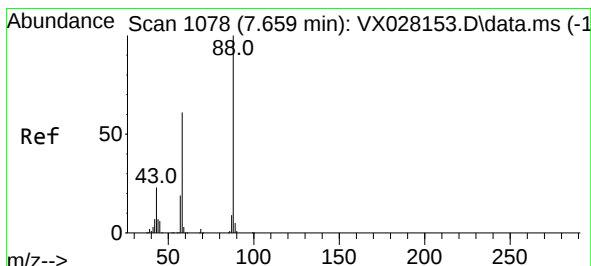
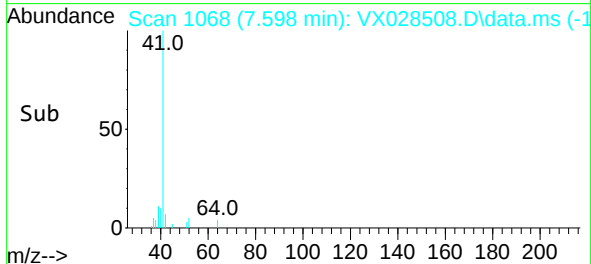
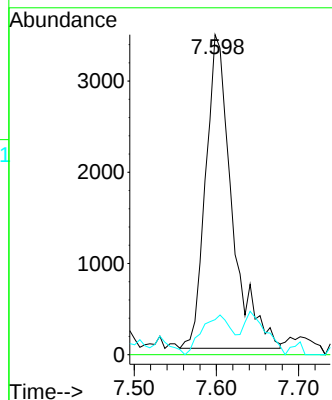
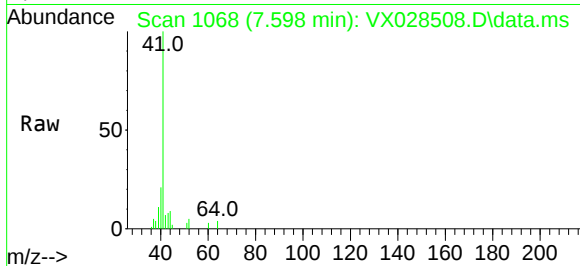




#48
Methyl methacrylate
Concen: 1.705 ug/l
RT: 7.598 min Scan# 1101
Delta R.T. -0.098 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

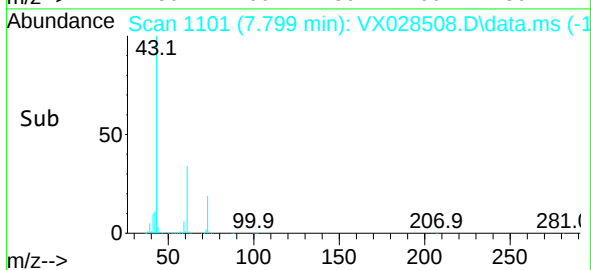
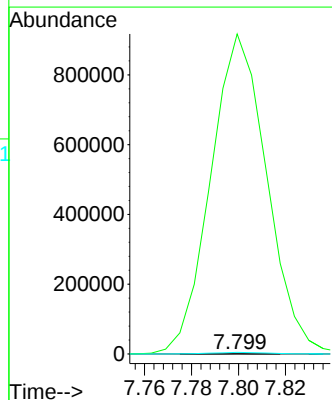
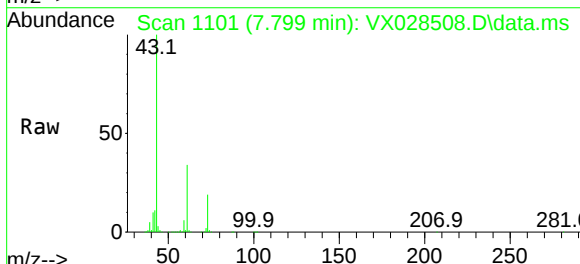
Instrument :
MSVOA_X
ClientSampleId :
TP-21

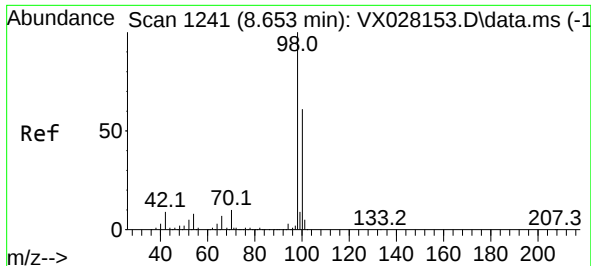
Tgt Ion: 41 Resp: 7649
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 1.784 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 88 Resp: 214
Ion Ratio Lower Upper
88 100
43 718430.8 21.9 32.9#
58 3515.0 53.7 80.5#

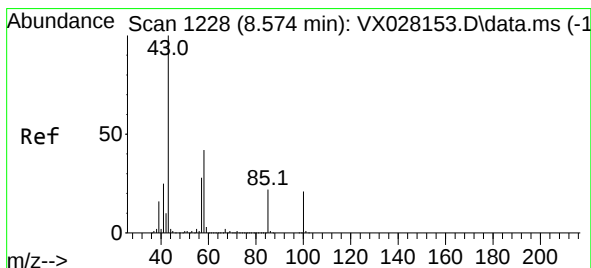
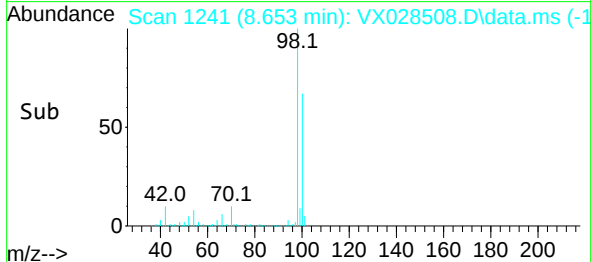
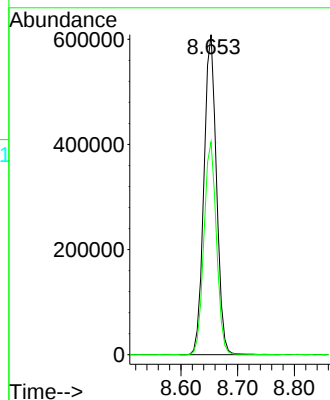
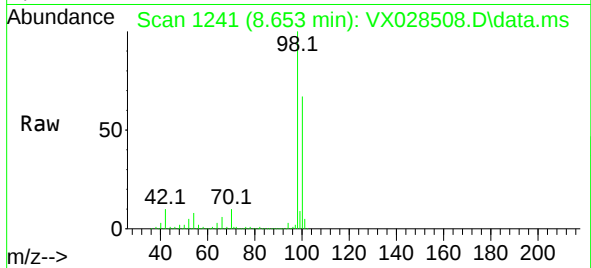




#50
Toluene-d8
Concen: 53.644 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

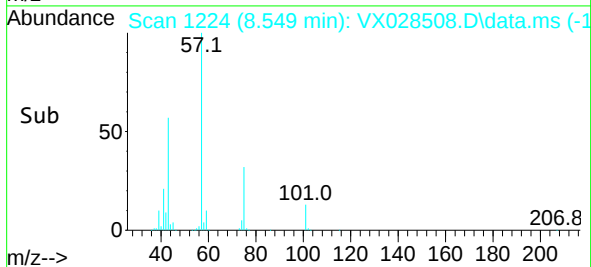
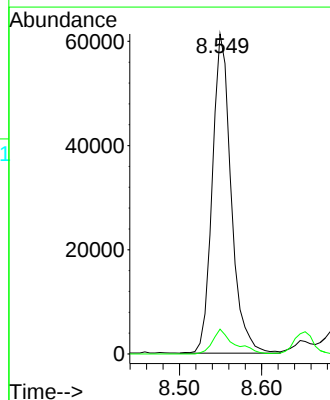
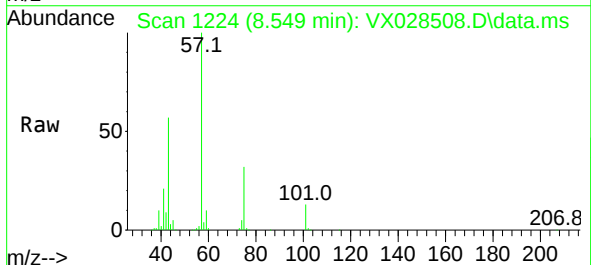
Instrument :
MSVOA_X
ClientSampleId :
TP-21

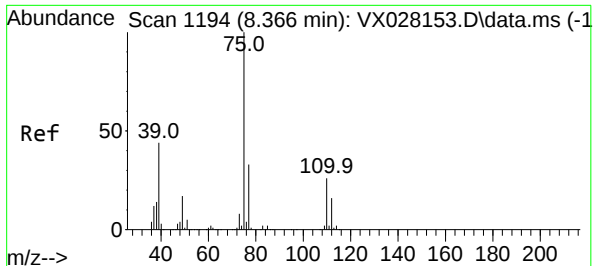
Tgt Ion: 98 Resp: 934386
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.597 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 43 Resp: 97776
Ion Ratio Lower Upper
43 100
58 8.8 36.1 54.1#

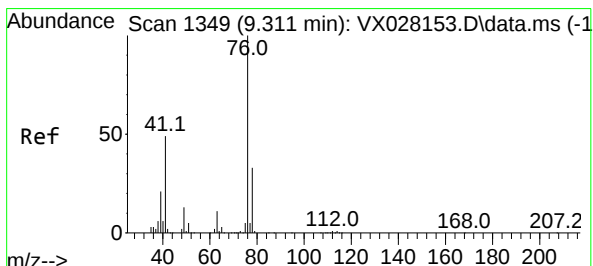
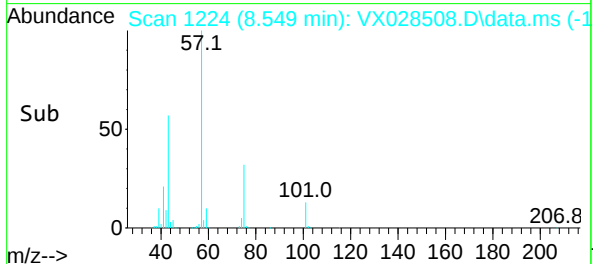
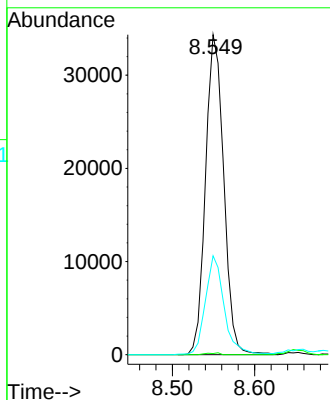
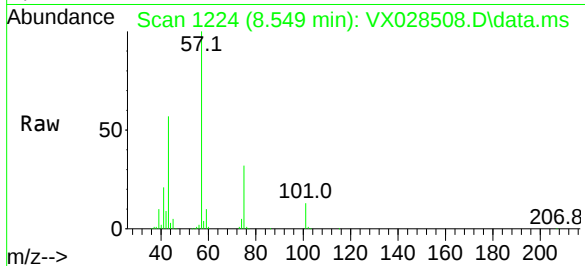




#54
 cis-1,3-Dichloropropene
 Concen: 7.238 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028508.D
 Acq: 03 May 2022 17:49

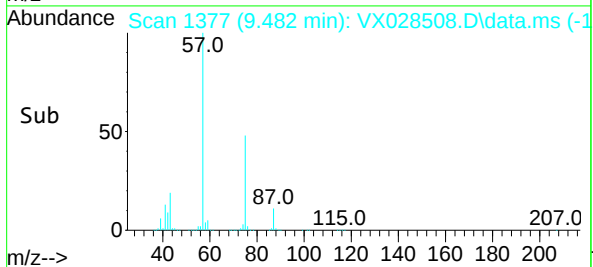
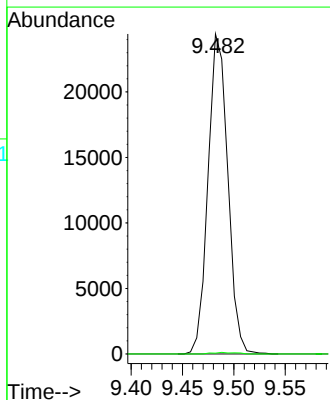
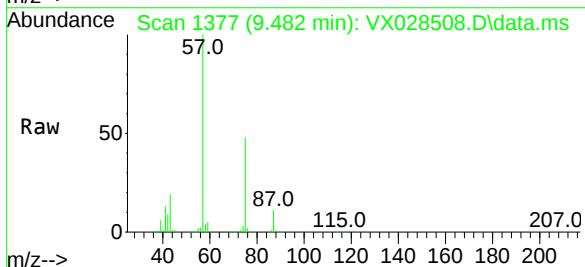
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-21

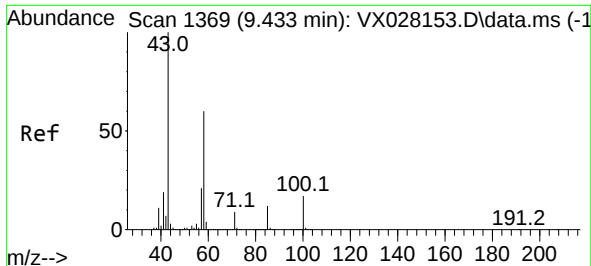
Tgt Ion: 75 Resp: 52784
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.8 37.2#
 39 30.7 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.144 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028508.D
 Acq: 03 May 2022 17:49

Tgt Ion: 76 Resp: 32695
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#

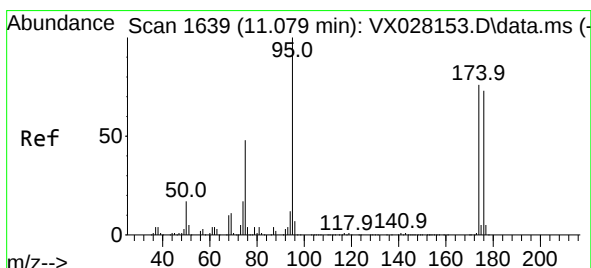
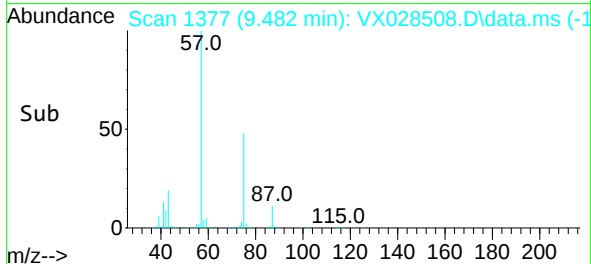
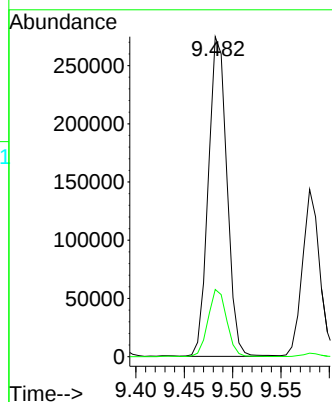
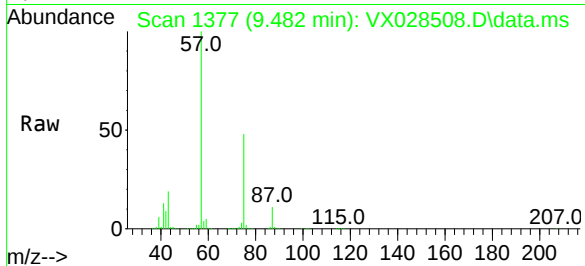




#59
2-Hexanone
Concen: 75.922 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

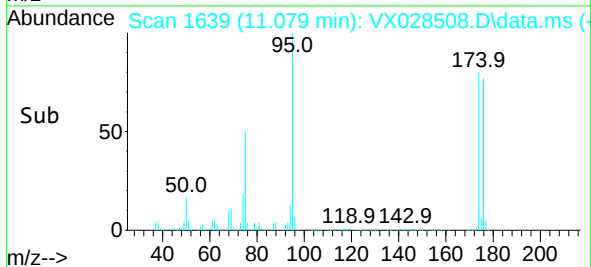
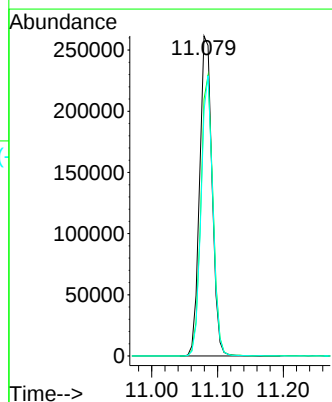
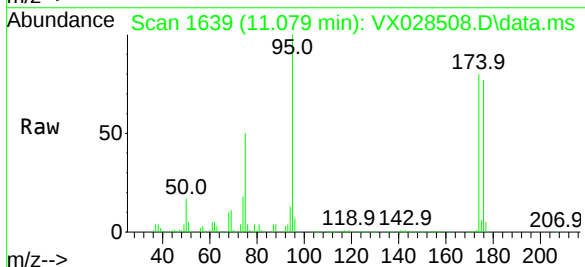
Instrument :
MSVOA_X
ClientSampleId :
TP-21

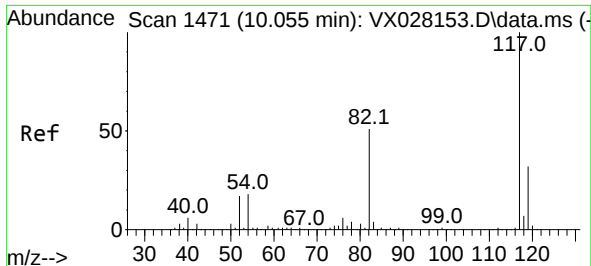
Tgt Ion: 43 Resp: 368677
Ion Ratio Lower Upper
43 100
58 20.9 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 51.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 95 Resp: 343536
Ion Ratio Lower Upper
95 100
174 85.7 0.0 163.0
176 83.1 0.0 155.0

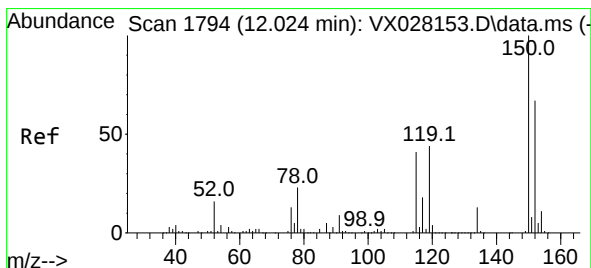
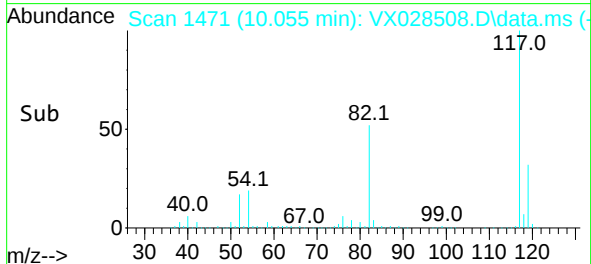
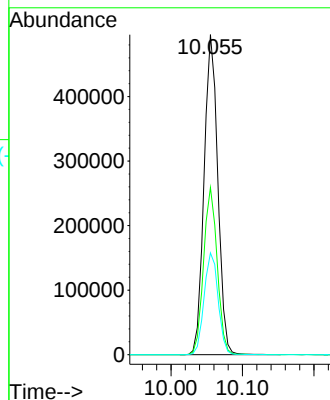
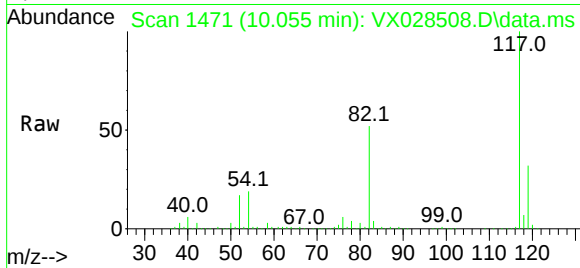




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

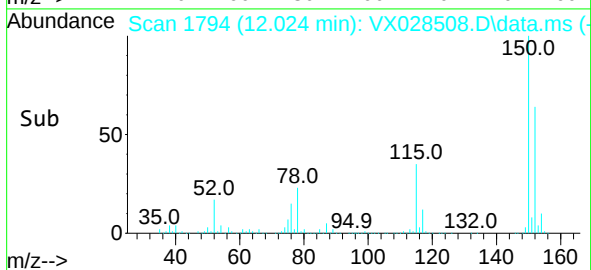
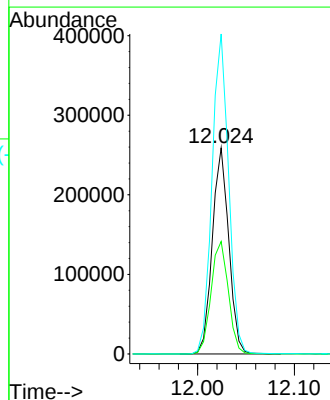
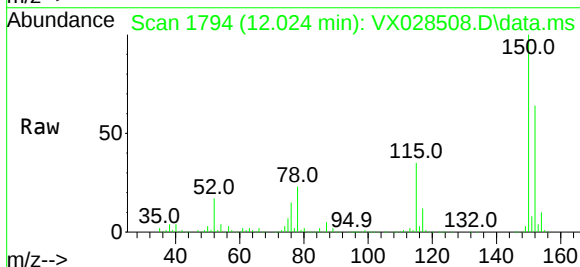
Instrument :
MSVOA_X
ClientSampleId :
TP-21

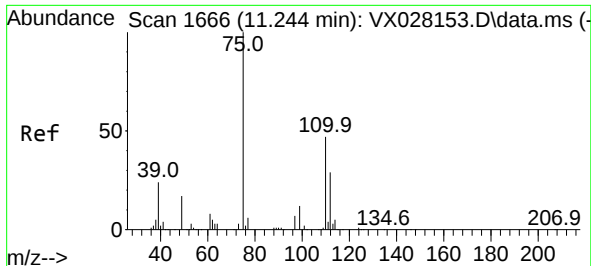
Tgt Ion:117 Resp: 661255
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion:152 Resp: 306281
Ion Ratio Lower Upper
152 100
115 57.5 37.5 112.7
150 157.0 0.0 338.2

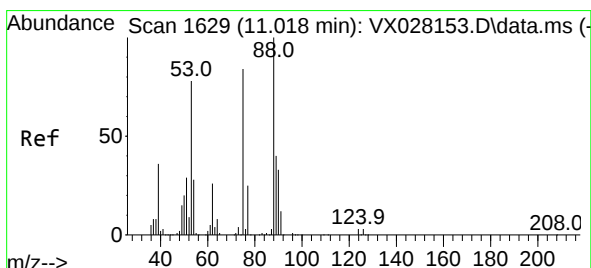
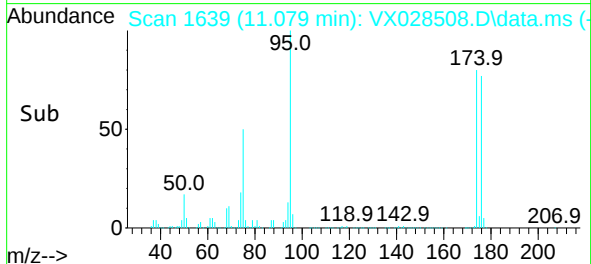
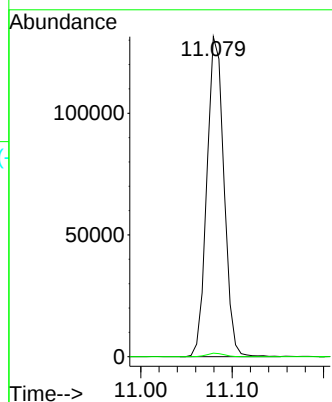
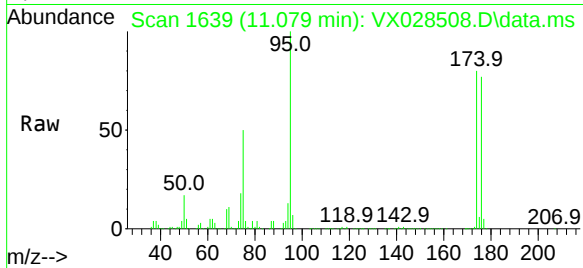




#76
1,2,3-Trichloropropane
Concen: 28.217 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Instrument :
MSVOA_X
ClientSampleId :
TP-21

Tgt Ion: 75 Resp: 170089
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.855 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028508.D
Acq: 03 May 2022 17:49

Tgt Ion: 75 Resp: 170089
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

