

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028604.D
 Acq On : 10 May 2022 19:05
 Operator : JC/MD
 Sample : N2749-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-4

Quant Time: May 11 07:04:09 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

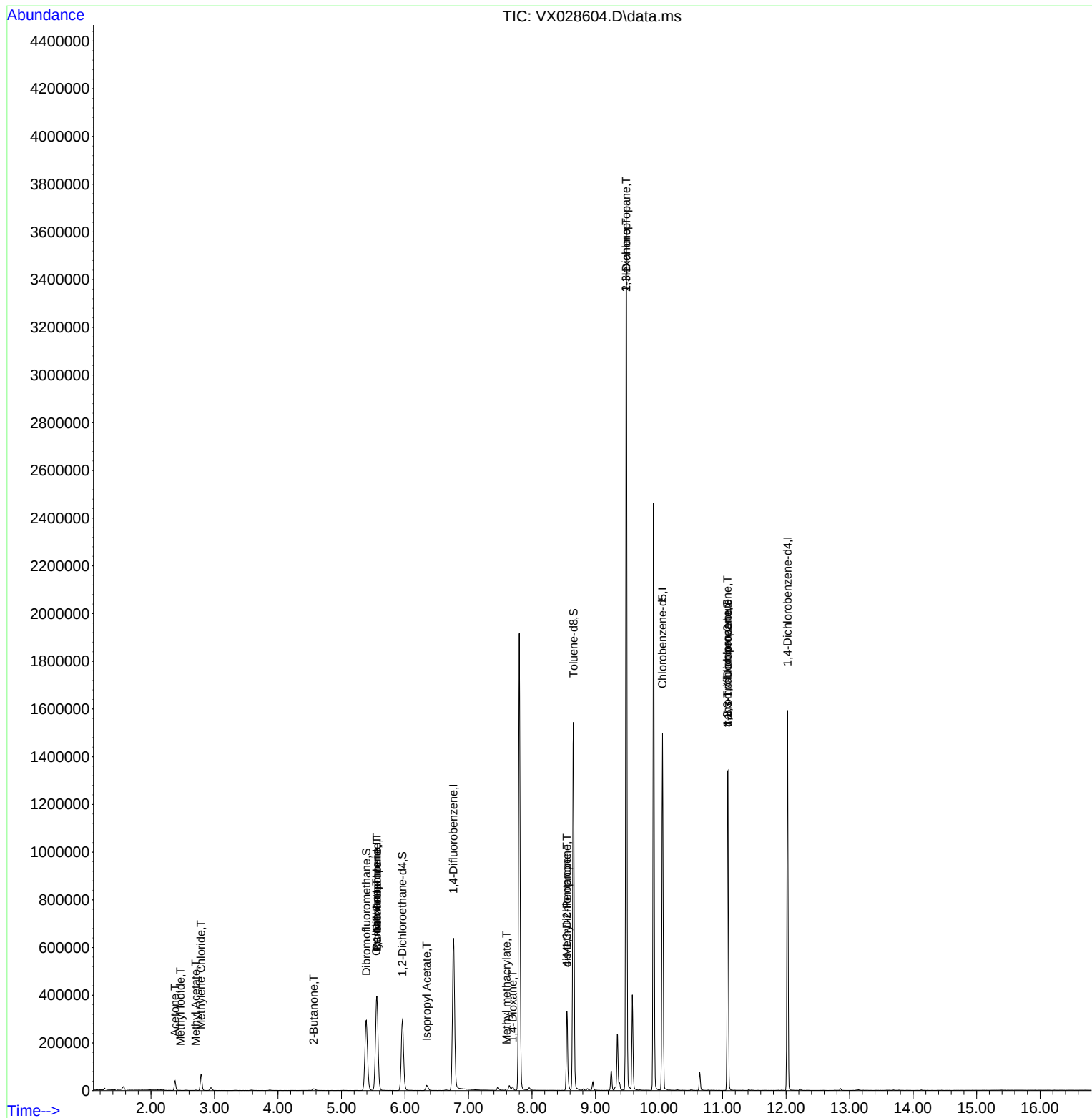
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	395637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	685022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	687562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	333699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	273503	53.018	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.040%	
35) Dibromofluoromethane	5.391	113	255272	53.137	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 106.280%	
50) Toluene-d8	8.653	98	943014	51.108	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	11.079	95	353576	50.117	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.240%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	377	Below Cal	#	42
5) Bromomethane	1.611	94	668	Below Cal		85
6) Chloroethane	1.691	64	291	Below Cal	#	43
8) Diethyl Ether	2.142	74	49	Below Cal	#	7
10) Methyl Iodide	2.465	142	185	5.272	ug/l #	41
11) Tert butyl alcohol	2.947	59	6774	Below Cal	#	74
16) Acetone	2.380	43	42385	25.648	ug/l	93
18) Methyl Acetate	2.703	43	2529	0.551	ug/l #	87
20) Methylene Chloride	2.788	84	32899	8.595	ug/l	99
25) 2-Butanone	4.562	43	8136	2.663	ug/l	98
31) Cyclohexane	5.550	56	7490	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	27121	4.328	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38669	5.466	ug/l #	15
43) Isopropyl Acetate	6.342	43	28453	2.750	ug/l	97
48) Methyl methacrylate	7.598	41	7933	1.670	ug/l #	7
49) 1,4-Dioxane	7.696	88	55	0.433	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	105852	15.940	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	56928	7.369	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	35507	4.249	ug/l #	43
59) 2-Hexanone	9.482	43	401364	78.026	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	175009	26.648	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	175009	79.191	ug/l #	15

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

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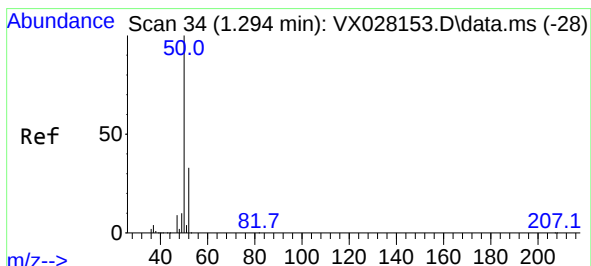
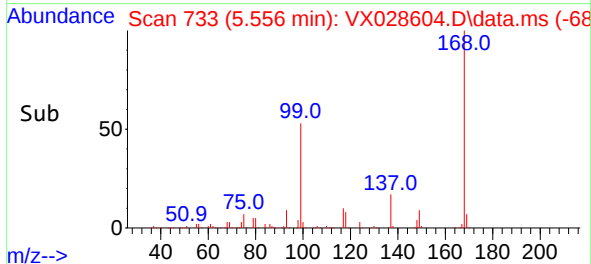
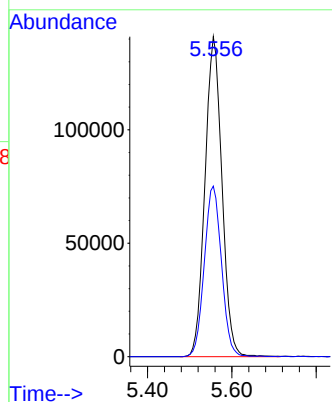
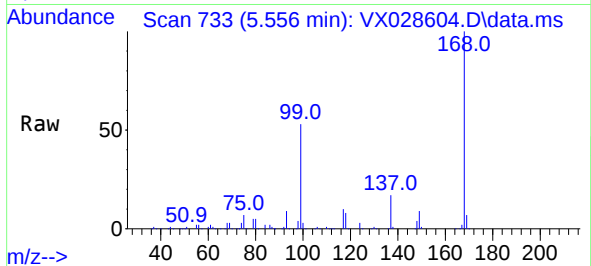




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

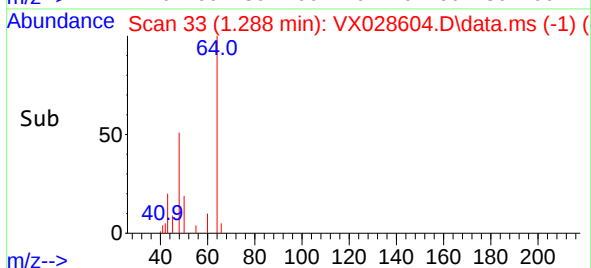
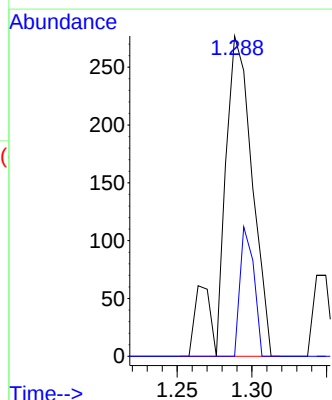
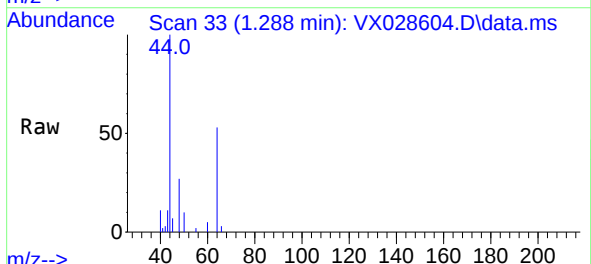
Instrument :
MSVOA_X
ClientSampleId :
TP-4

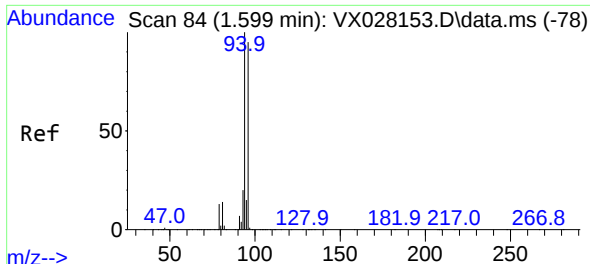
Tgt Ion:168 Resp: 395637
Ion Ratio Lower Upper
168 100
99 53.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

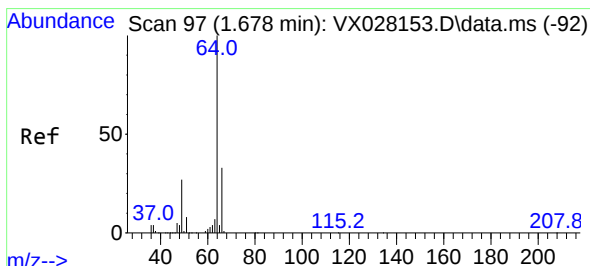
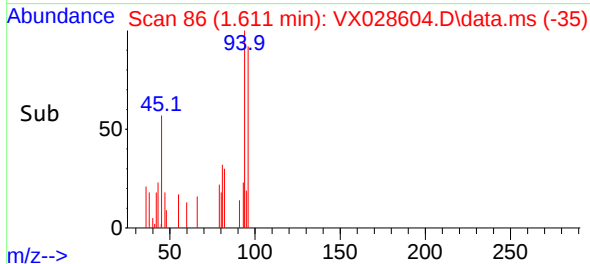
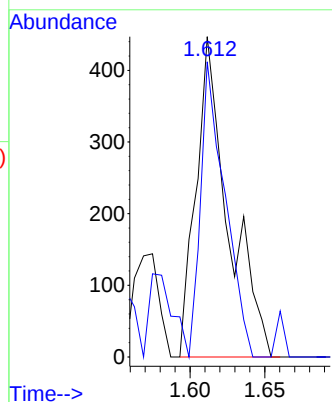
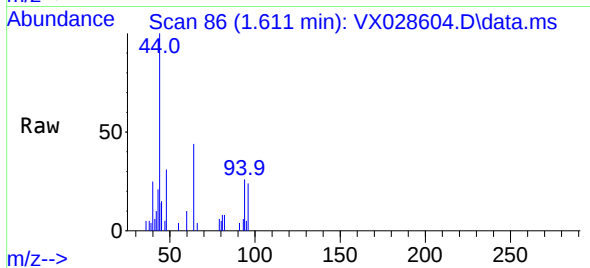




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

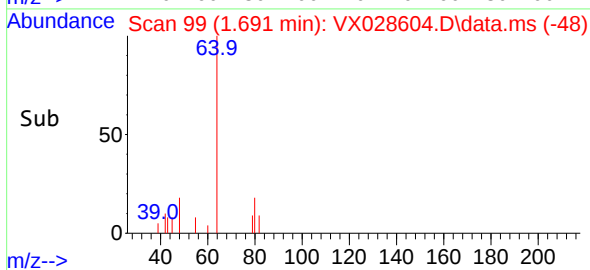
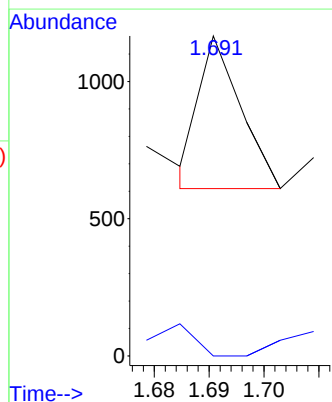
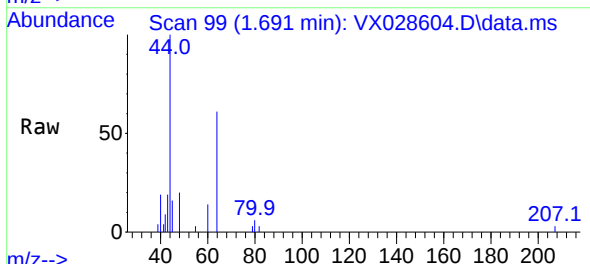
Instrument :
MSVOA_X
ClientSampleId :
TP-4

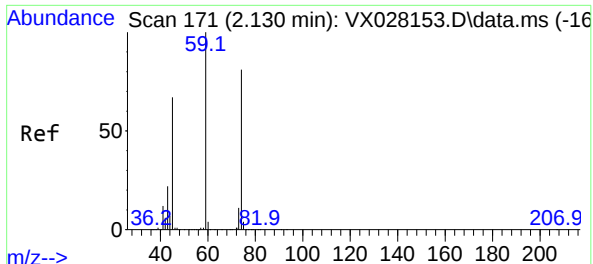
Tgt Ion: 94 Resp: 668
Ion Ratio Lower Upper
94 100
96 79.6 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 64 Resp: 291
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

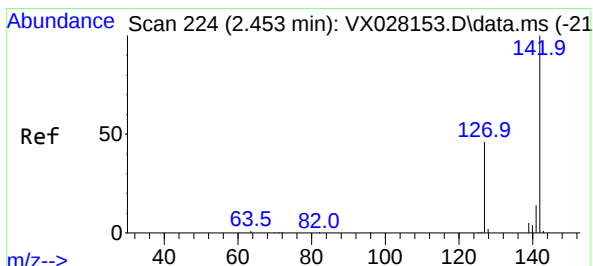
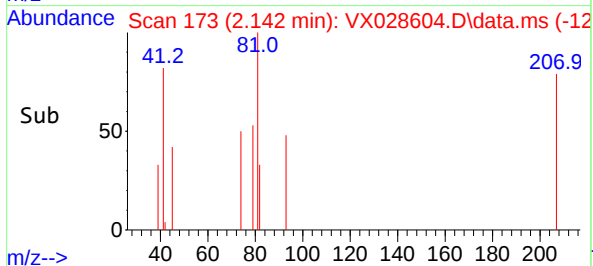
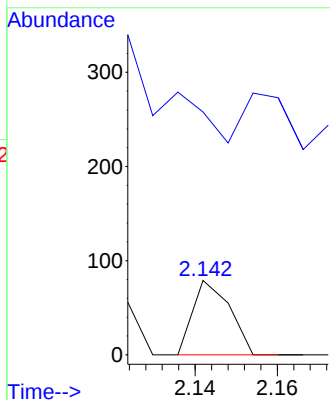
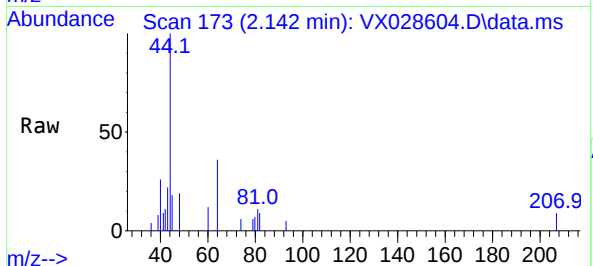




#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

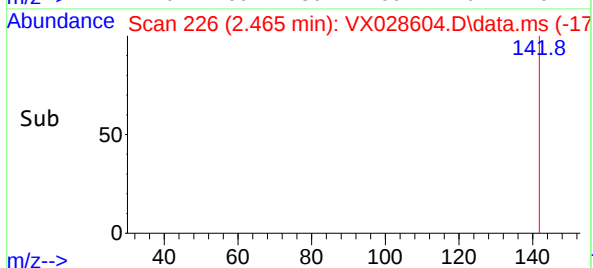
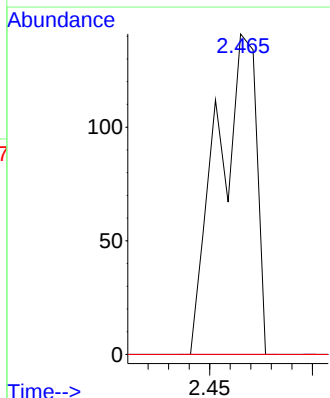
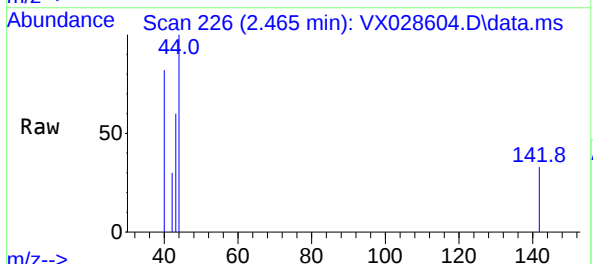
Instrument :
MSVOA_X
ClientSampleId :
TP-4

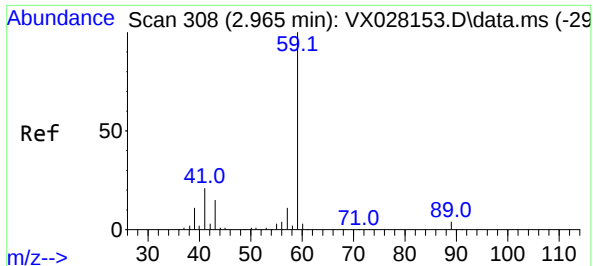
Tgt Ion: 74 Resp: 49
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.272 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 142 Resp: 185
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 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: VX028604.D

Acq: 10 May 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

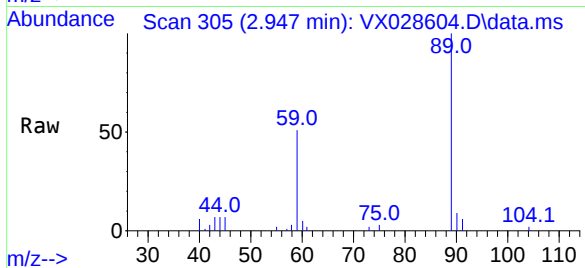
TP-4

Tgt Ion: 59 Resp: 6774

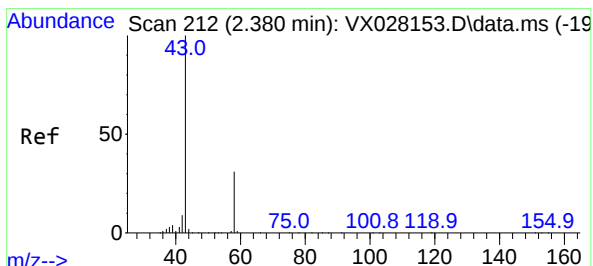
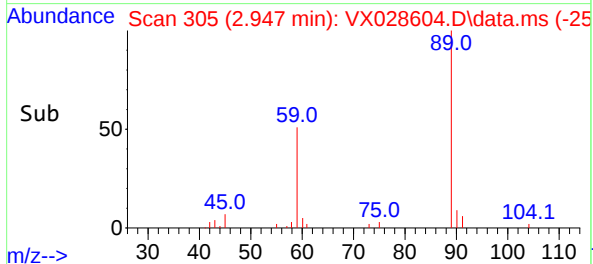
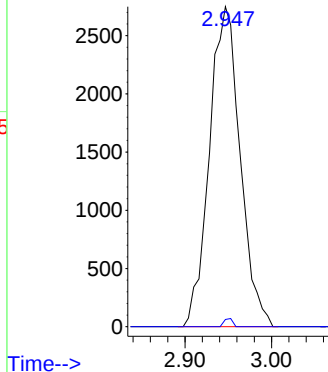
Ion Ratio Lower Upper

59 100

57 0.7 8.3 12.5#



Abundance



#16

Acetone

Concen: 25.648 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028604.D

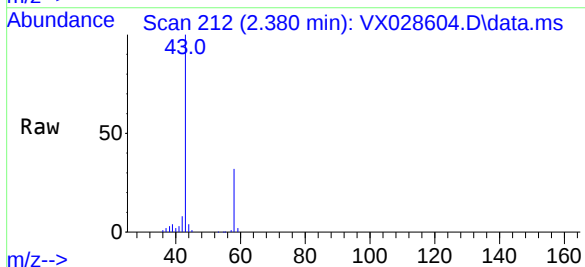
Acq: 10 May 2022 19:05

Tgt Ion: 43 Resp: 42385

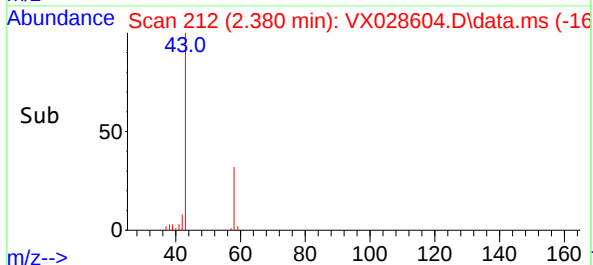
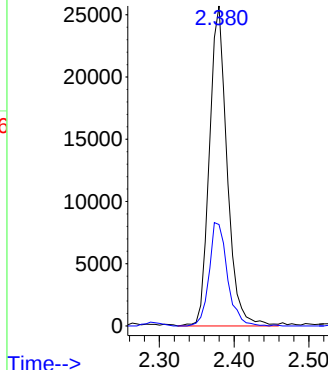
Ion Ratio Lower Upper

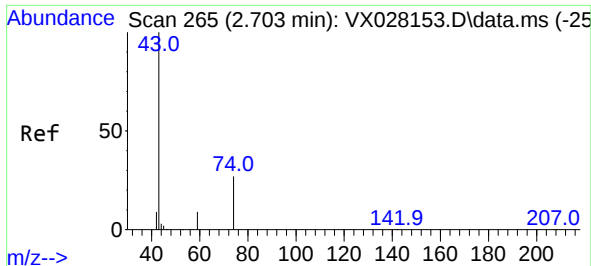
43 100

58 31.7 28.8 43.2



Abundance

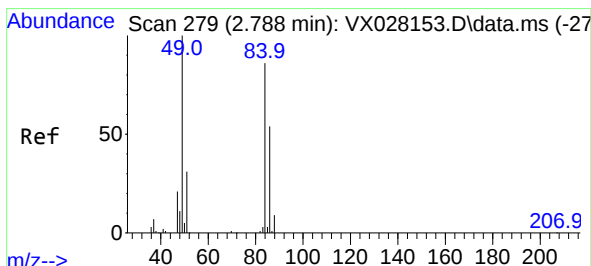
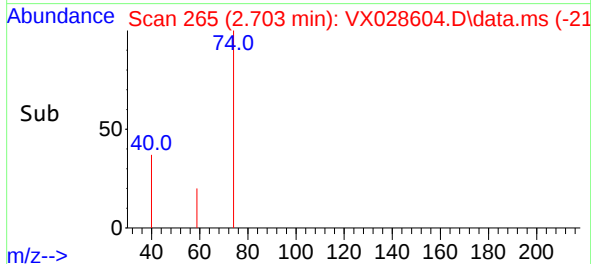
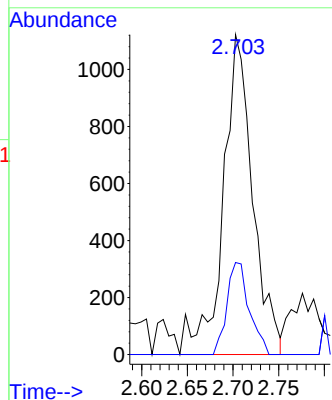
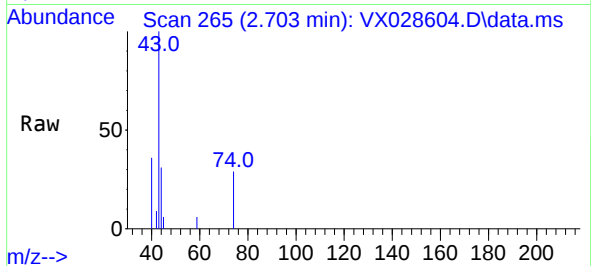




#18
Methyl Acetate
Concen: 0.551 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

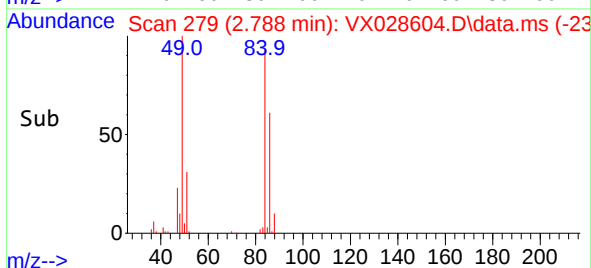
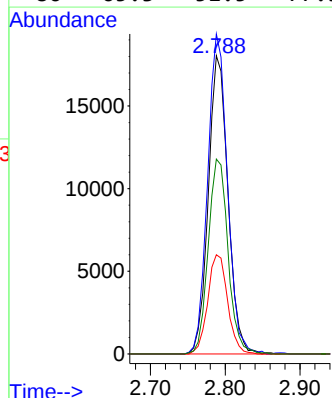
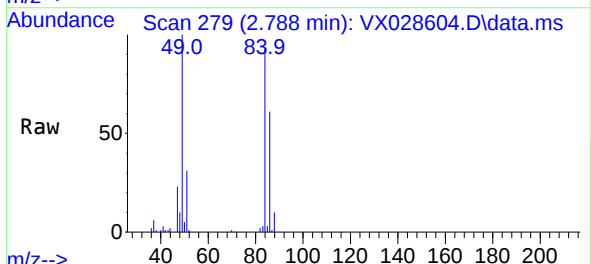
Instrument :
MSVOA_X
ClientSampleId :
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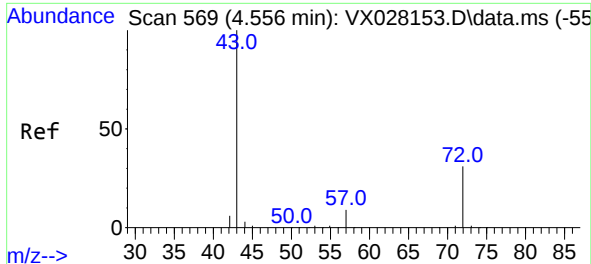
Tgt Ion: 43 Resp: 2529
Ion Ratio Lower Upper
43 100
74 21.8 22.8 34.2#



#20
Methylene Chloride
Concen: 8.595 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 84 Resp: 32899
Ion Ratio Lower Upper
84 100
49 107.3 85.5 128.3
51 33.2 26.6 39.8
86 65.3 51.5 77.3





#25

2-Butanone

Concen: 2.663 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028604.D

Acq: 10 May 2022 19:05

Instrument :

MSVOA_X

ClientSampleId :

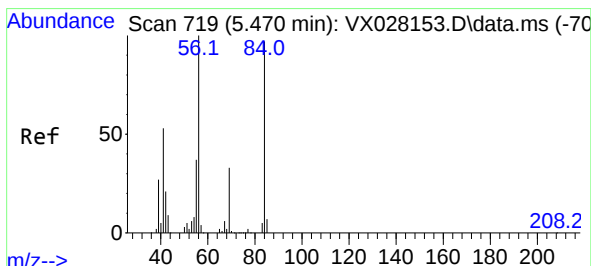
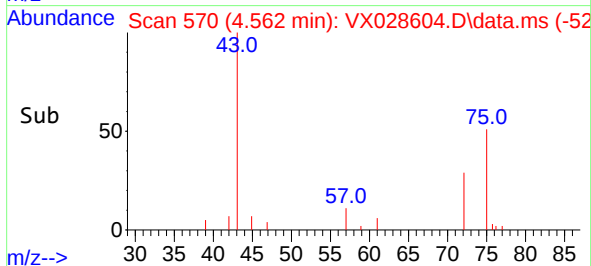
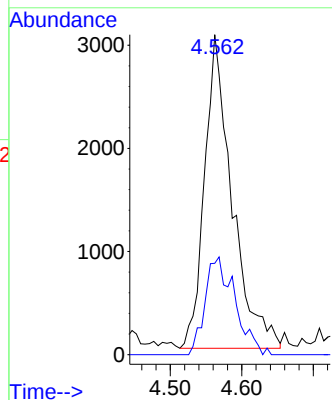
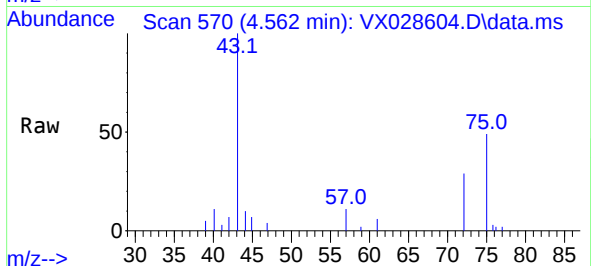
TP-4

Tgt Ion: 43 Resp: 8136

Ion Ratio Lower Upper

43 100

72 29.1 24.4 36.6



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028604.D

Acq: 10 May 2022 19:05

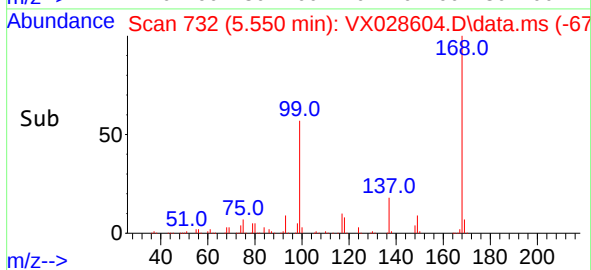
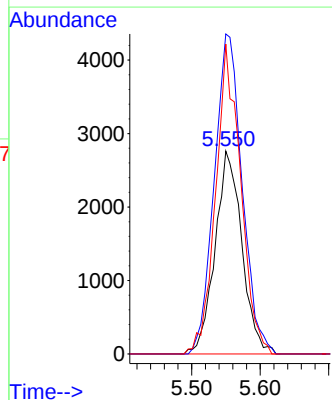
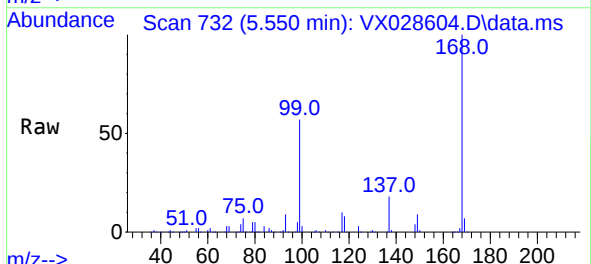
Tgt Ion: 56 Resp: 7490

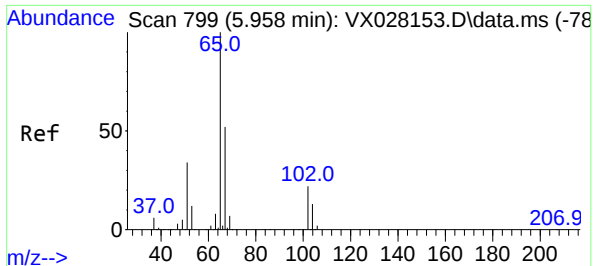
Ion Ratio Lower Upper

56 100

69 157.8 26.7 40.1#

84 152.8 77.2 115.8#

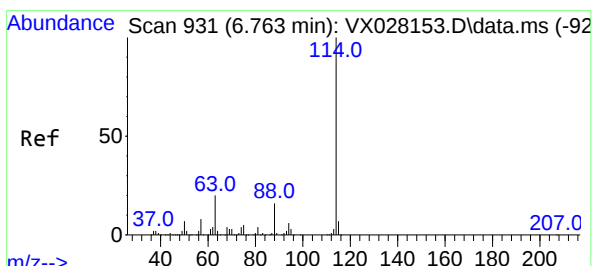
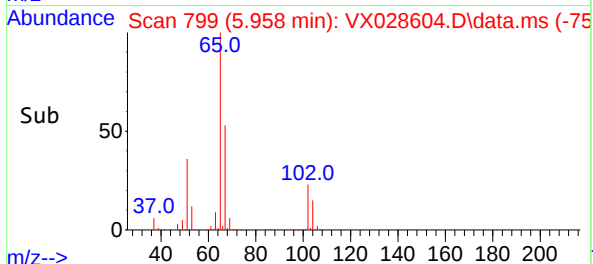
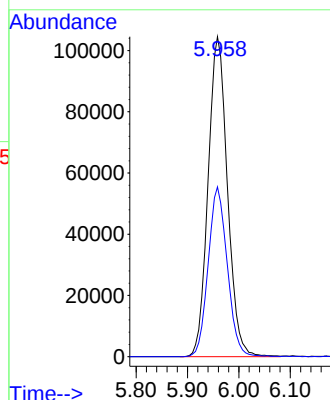
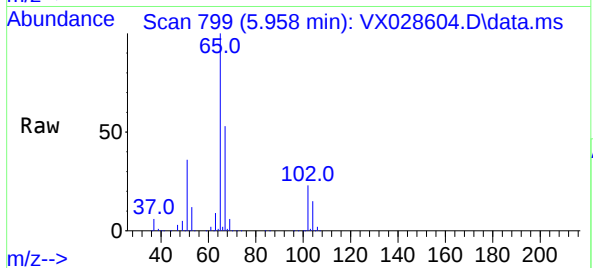




#33
1,2-Dichloroethane-d4
Concen: 53.018 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

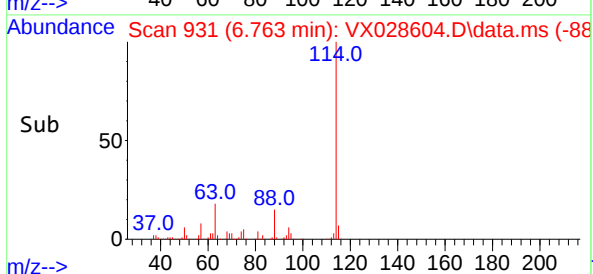
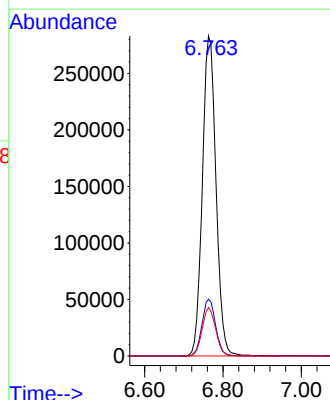
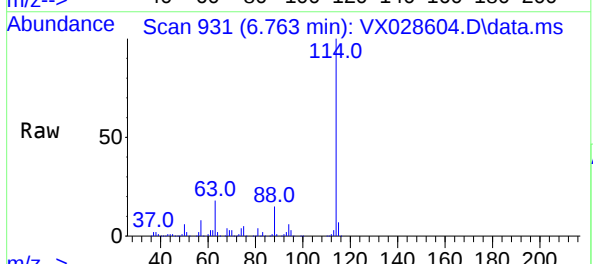
Instrument :
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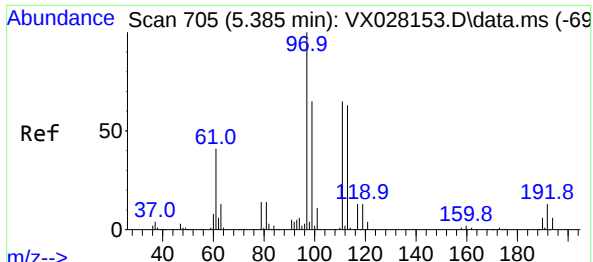
Tgt Ion: 65 Resp: 273503
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 114 Resp: 685022
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.8
88 15.1 0.0 32.4

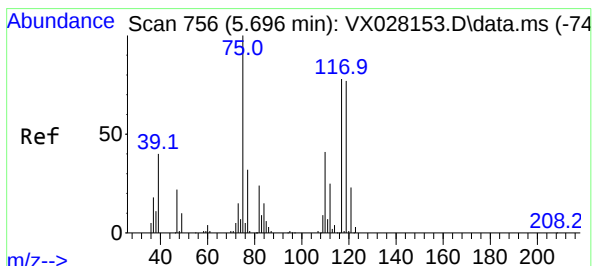
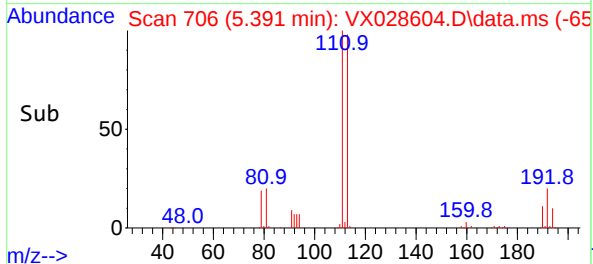
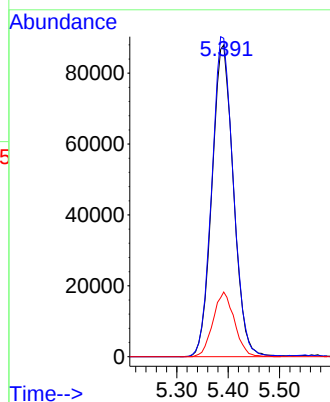
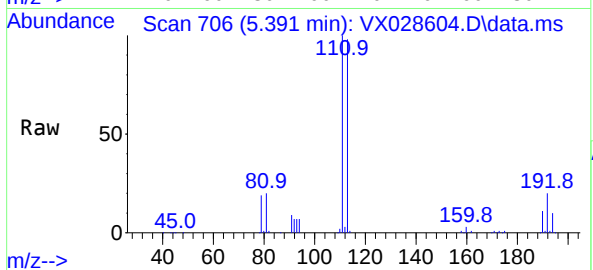




#35
Dibromofluoromethane
Concen: 53.137 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

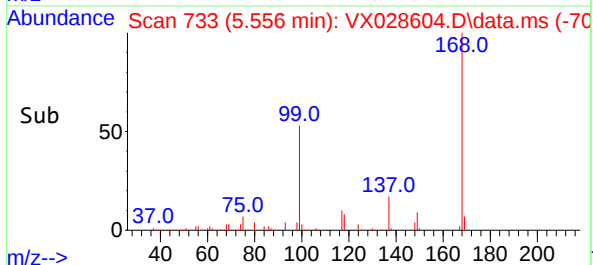
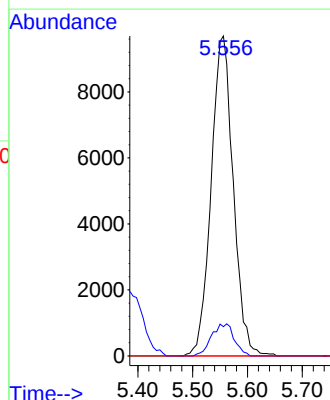
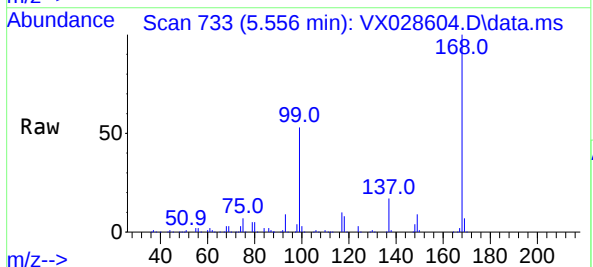
Instrument :
MSVOA_X
ClientSampleId :
TP-4

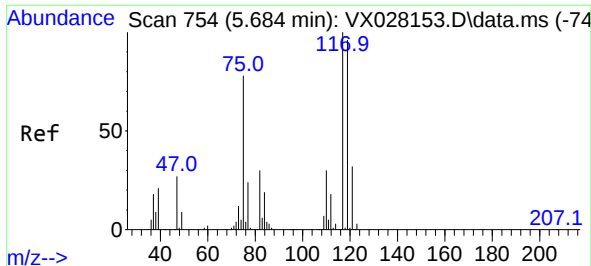
Tgt Ion:113 Resp: 255272
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 20.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.328 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 75 Resp: 27121
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#

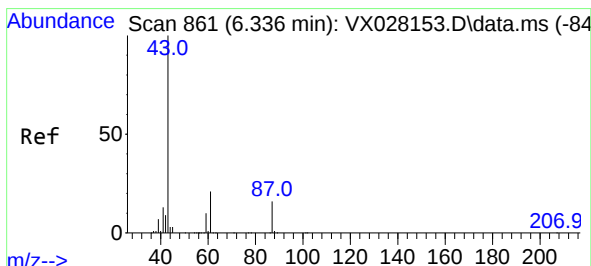
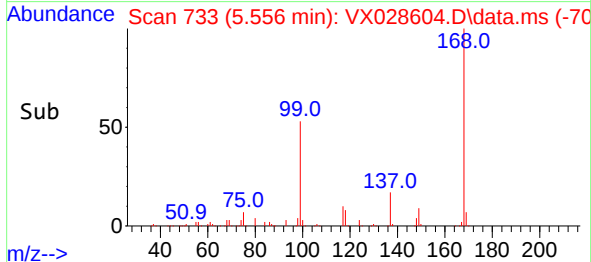
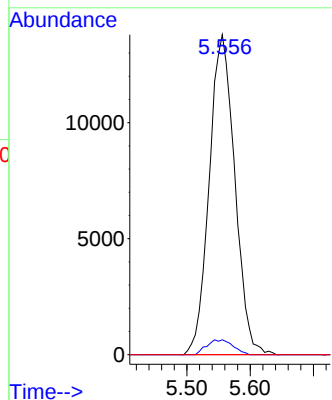
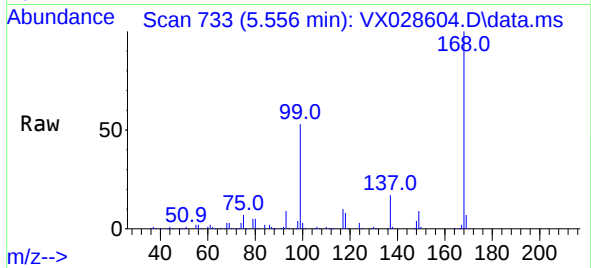




#38
Carbon Tetrachloride
Concen: 5.466 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

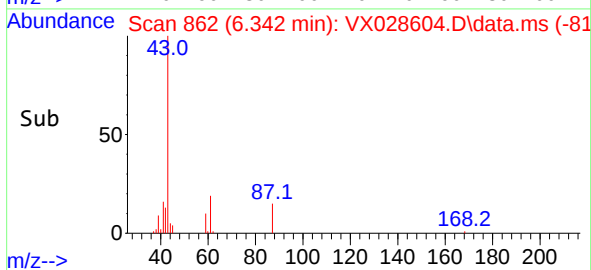
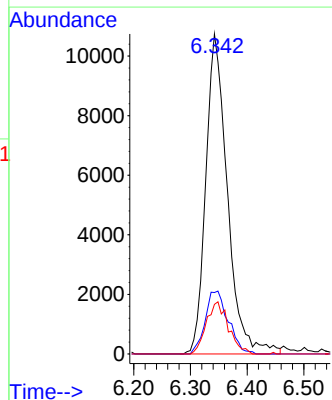
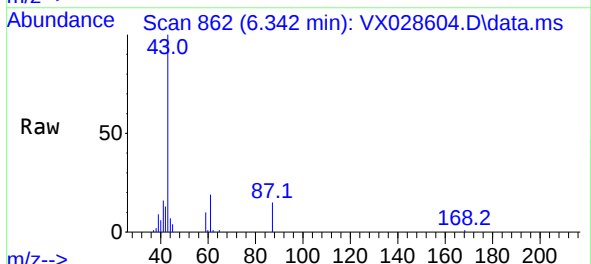
Instrument :
MSVOA_X
ClientSampleId :
TP-4

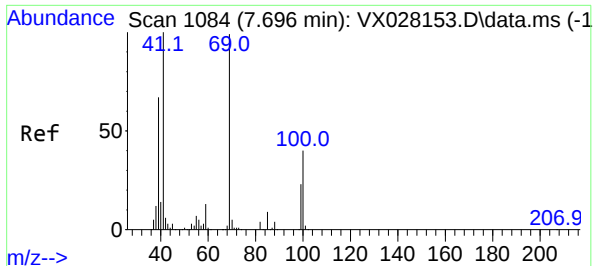
Tgt Ion:117 Resp: 38669
Ion Ratio Lower Upper
117 100
119 4.6 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.750 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 43 Resp: 28453
Ion Ratio Lower Upper
43 100
61 20.9 18.5 27.7
87 16.7 13.0 19.6

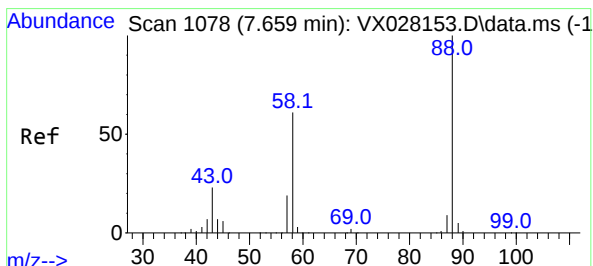
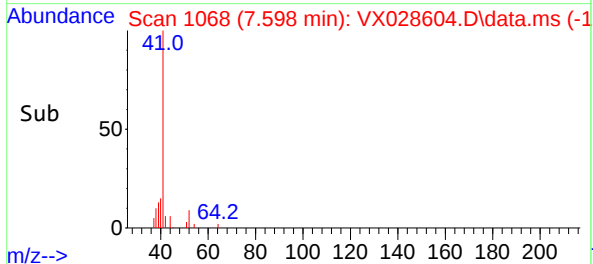
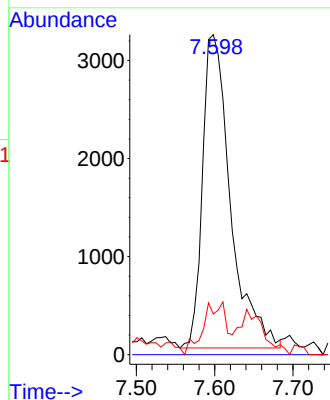
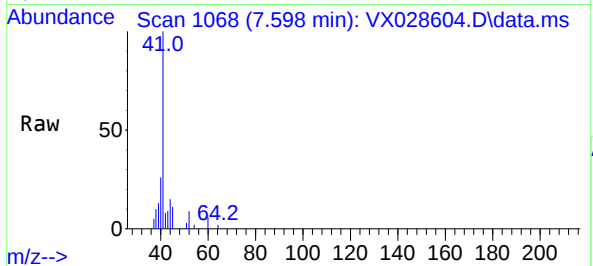




#48
Methyl methacrylate
Concen: 1.670 ug/l
RT: 7.598 min Scan# 1084
Delta R.T. -0.098 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

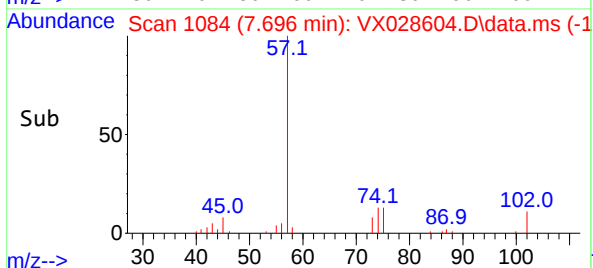
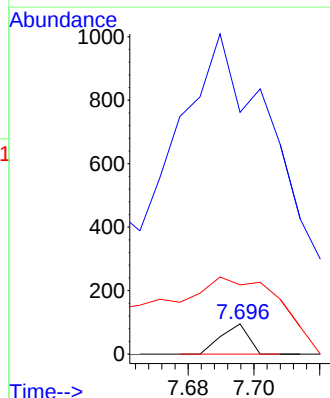
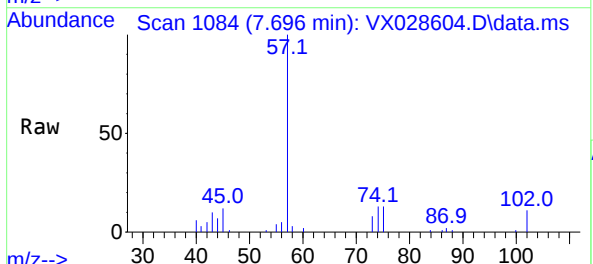
Instrument :
MSVOA_X
ClientSampleId :
TP-4

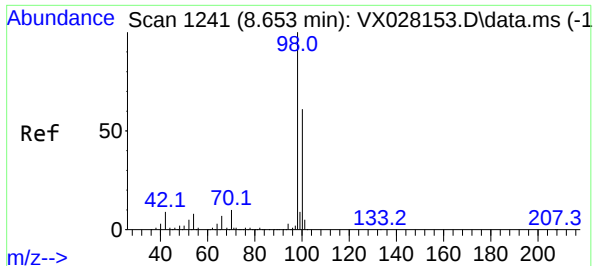
Tgt Ion: 41 Resp: 7933
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 0.433 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.037 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 21.9 32.9#
58 756.4 53.7 80.5#

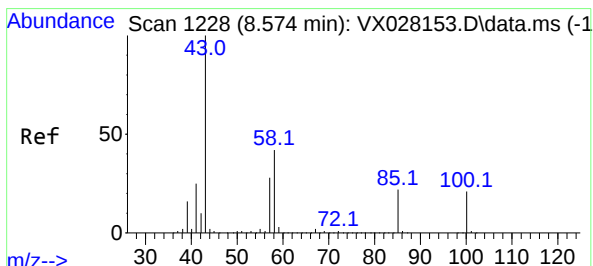
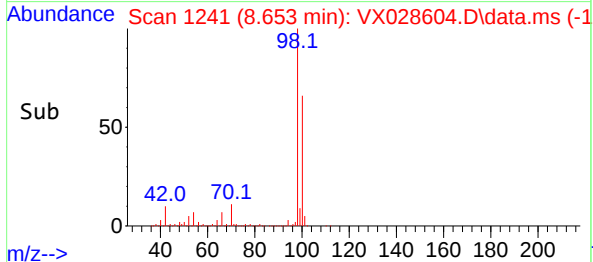
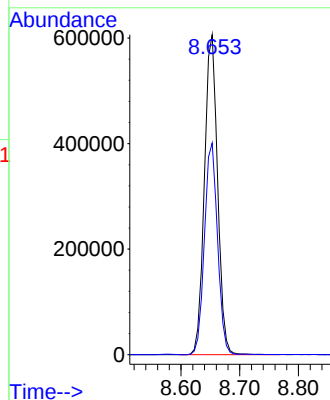
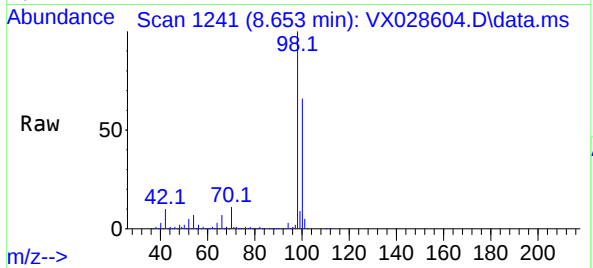




#50
Toluene-d8
Concen: 51.108 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

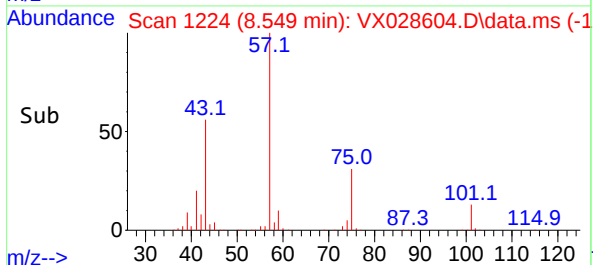
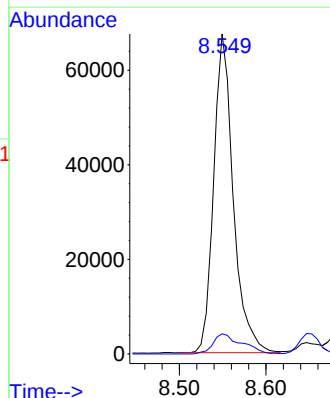
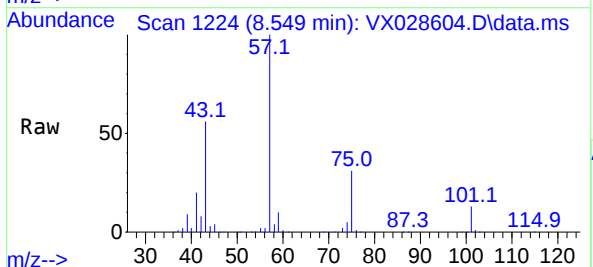
Instrument :
MSVOA_X
ClientSampleId :
TP-4

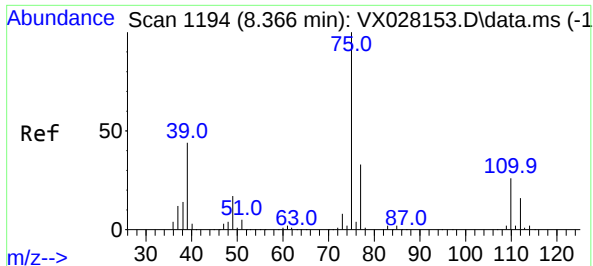
Tgt Ion: 98 Resp: 943014
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.940 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 43 Resp: 105852
Ion Ratio Lower Upper
43 100
58 9.3 36.1 54.1#

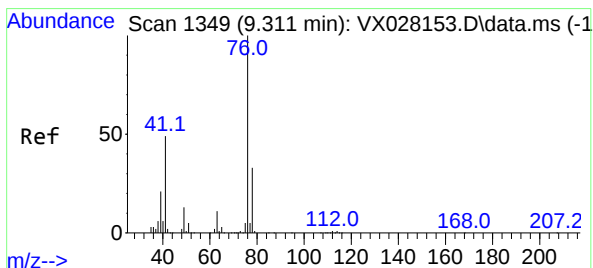
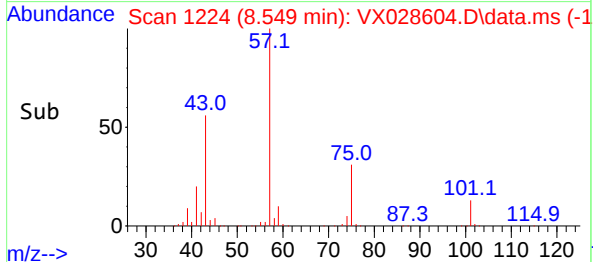
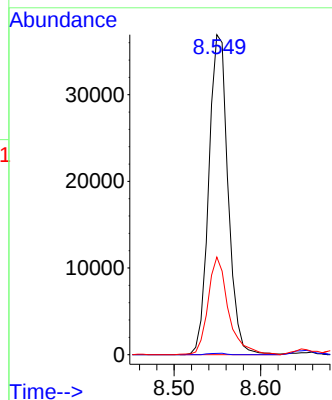
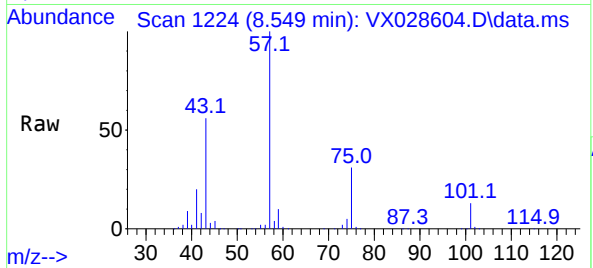




#54
cis-1,3-Dichloropropene
Concen: 7.369 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

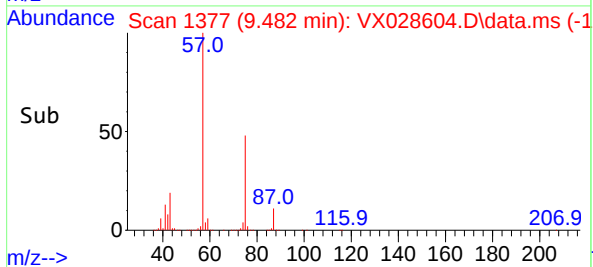
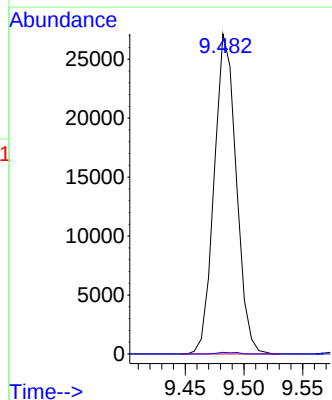
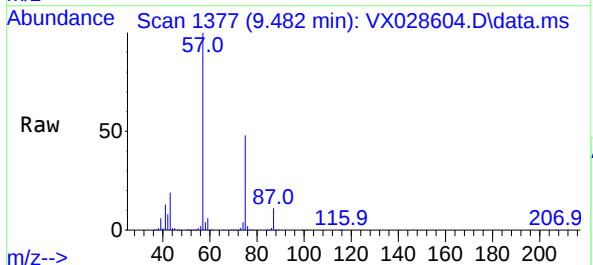
Instrument :
MSVOA_X
ClientSampleId :
TP-4

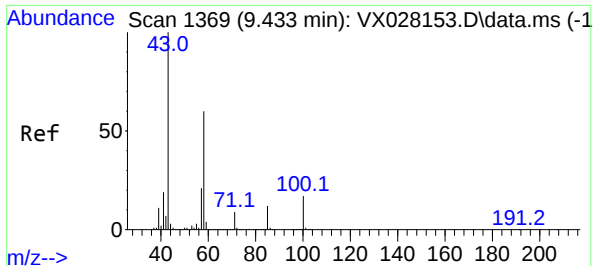
Tgt Ion: 75 Resp: 56928
Ion Ratio Lower Upper
75 100
77 0.4 24.8 37.2#
39 30.5 29.6 44.4



#57
1,3-Dichloropropane
Concen: 4.249 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 76 Resp: 35507
Ion Ratio Lower Upper
76 100
78 0.4 25.8 38.8#

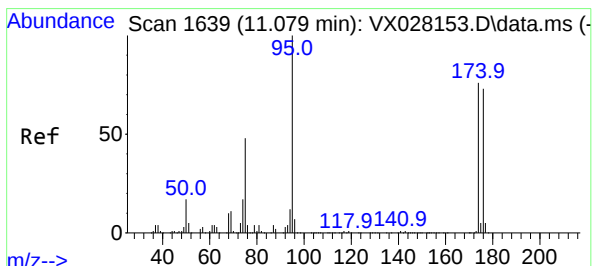
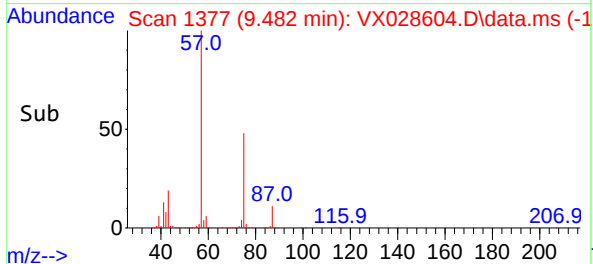
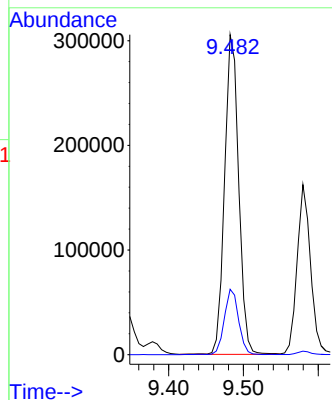
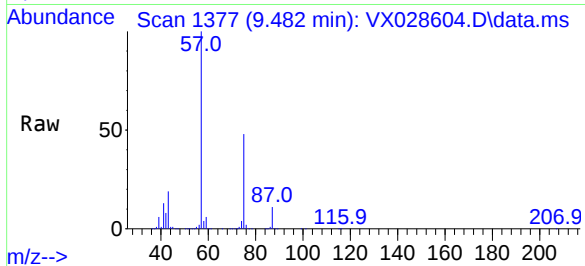




#59
2-Hexanone
Concen: 78.026 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

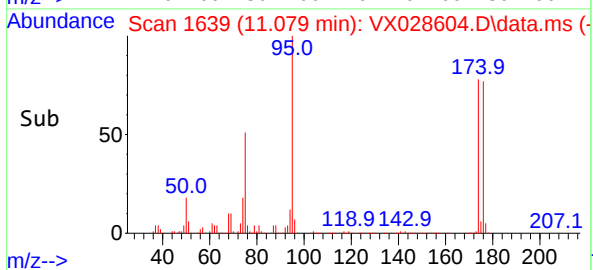
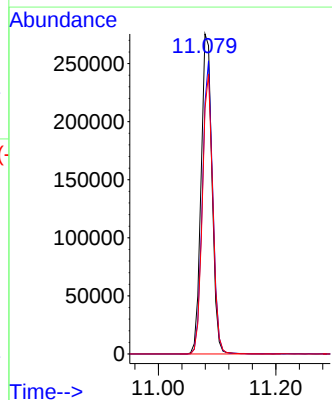
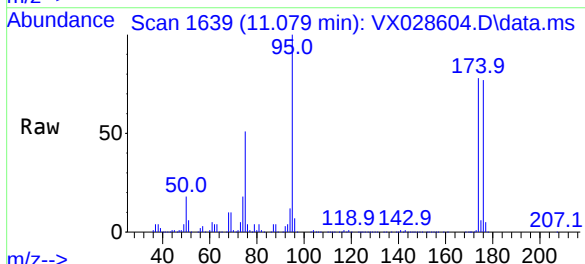
Instrument :
MSVOA_X
ClientSampleId :
TP-4

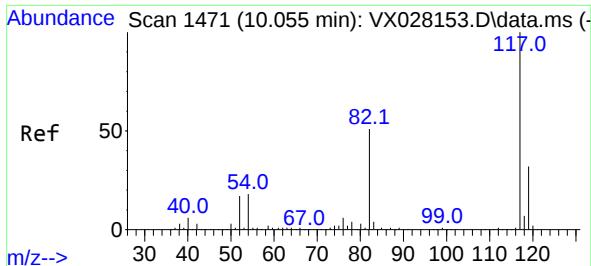
Tgt Ion: 43 Resp: 401364
Ion Ratio Lower Upper
43 100
58 20.8 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 50.117 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 95 Resp: 353576
Ion Ratio Lower Upper
95 100
174 87.1 0.0 163.0
176 84.0 0.0 155.0

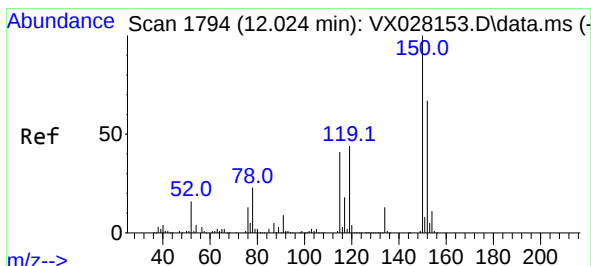
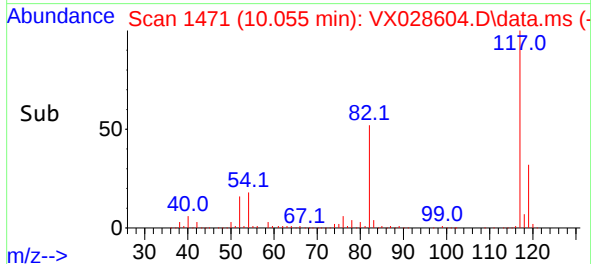
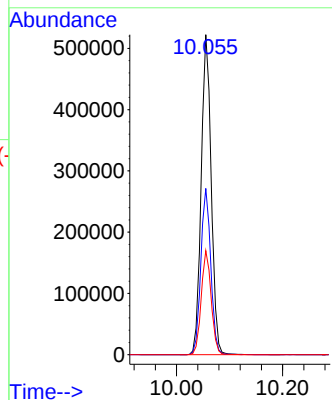
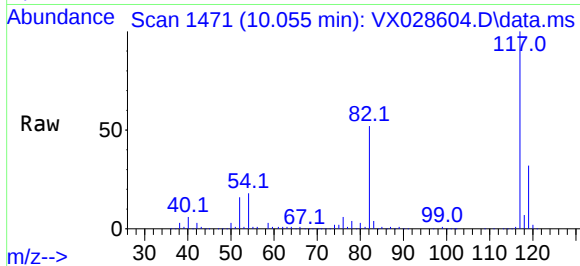




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

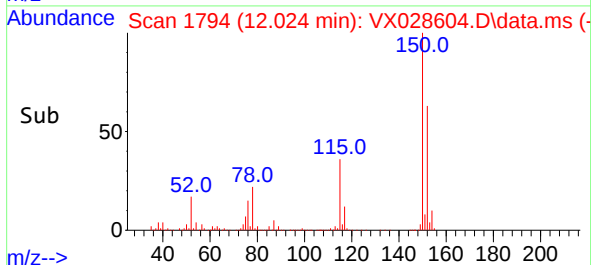
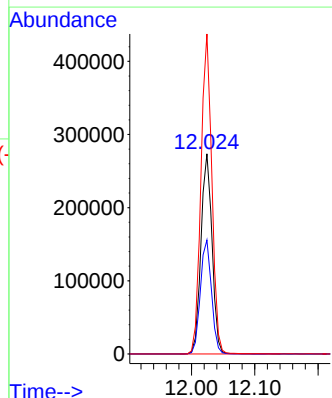
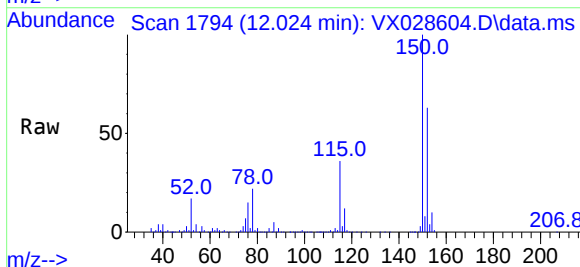
Instrument :
MSVOA_X
ClientSampleId :
TP-4

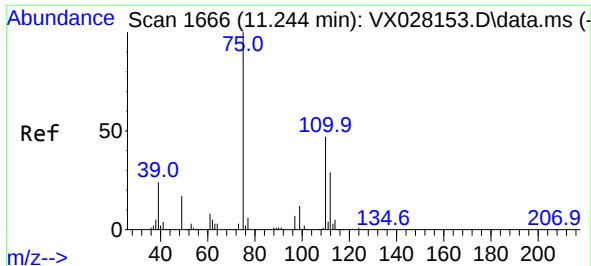
Tgt Ion:117 Resp: 687562
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion:152 Resp: 333699
Ion Ratio Lower Upper
152 100
115 57.3 37.5 112.7
150 157.6 0.0 338.2

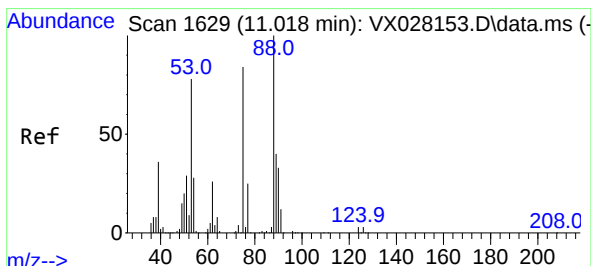
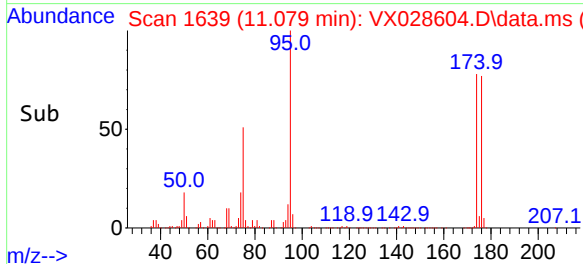
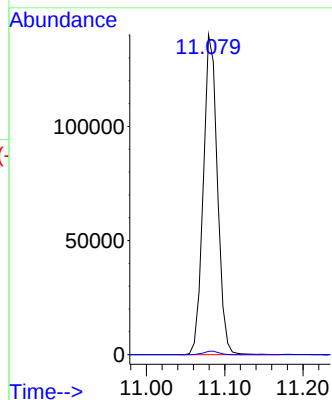
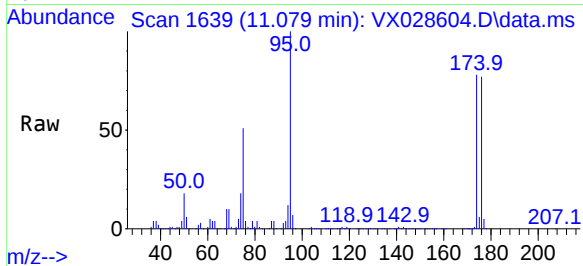




#76
1,2,3-Trichloropropane
Concen: 26.648 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Instrument :
MSVOA_X
ClientSampleId :
TP-4

Tgt Ion: 75 Resp: 175009
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.191 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028604.D
Acq: 10 May 2022 19:05

Tgt Ion: 75 Resp: 175009
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

