

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028606.D
 Acq On : 10 May 2022 19:51
 Operator : JC/MD
 Sample : N2749-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-6

Quant Time: May 11 07:04:51 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)

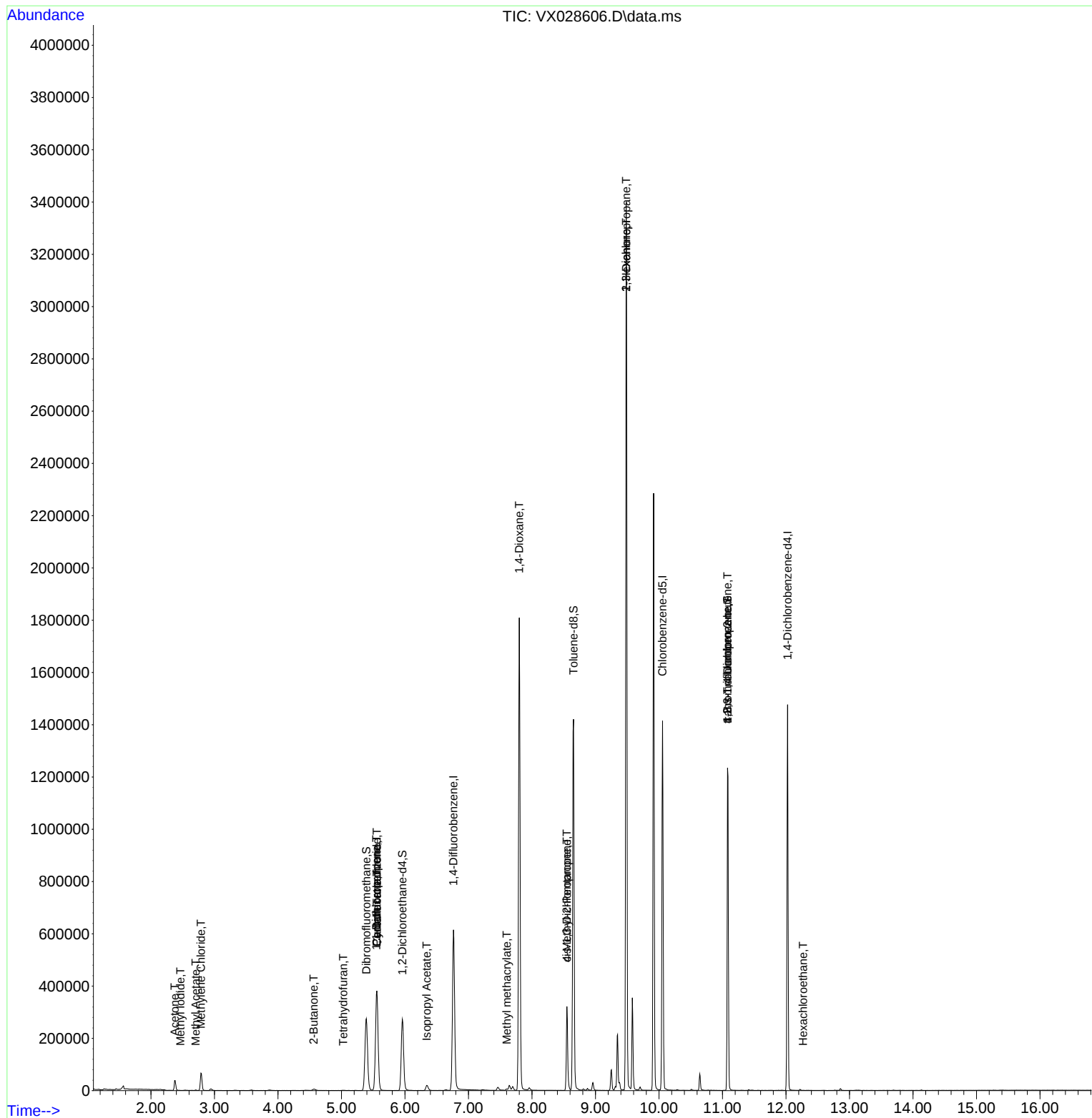
Internal Standards						
1) Pentafluorobenzene	5.556	168	382849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	651330	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	652619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	301750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	256161	51.315	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.640%	
35) Dibromofluoromethane	5.391	113	239210	52.370	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.740%	
50) Toluene-d8	8.653	98	877912	50.041	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	11.079	95	323424	48.215	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	387	Below Cal	#	78
5) Bromomethane	1.618	94	699	Below Cal	#	61
6) Chloroethane	1.715	64	295	Below Cal	#	43
8) Diethyl Ether	2.166	74	20	Below Cal	#	1
10) Methyl Iodide	2.465	142	97	5.255	ug/l #	41
11) Tert butyl alcohol	2.947	59	3458	Below Cal	#	72
16) Acetone	2.374	43	40890	25.565	ug/l	95
18) Methyl Acetate	2.703	43	2266	0.511	ug/l #	86
20) Methylene Chloride	2.788	84	31556	8.520	ug/l	98
25) 2-Butanone	4.562	43	7533	2.548	ug/l #	80
29) Tetrahydrofuran	5.026	42	473	0.245	ug/l #	81
31) Cyclohexane	5.556	56	7065	1.162	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	27040	4.538	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36708	5.458	ug/l #	16
43) Isopropyl Acetate	6.342	43	27389	2.784	ug/l	97
48) Methyl methacrylate	7.604	41	7529	1.667	ug/l #	7
49) 1,4-Dioxane	7.799	88	327	2.706	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	102339	16.208	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	51965	7.074	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	32622	4.105	ug/l #	43
59) 2-Hexanone	9.482	43	365990	74.830	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	160665	27.054	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	160665	80.398	ug/l #	15
90) Hexachloroethane	12.268	117	26	1.821	ug/l #	10

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

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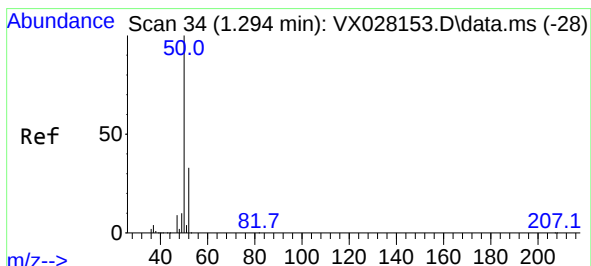
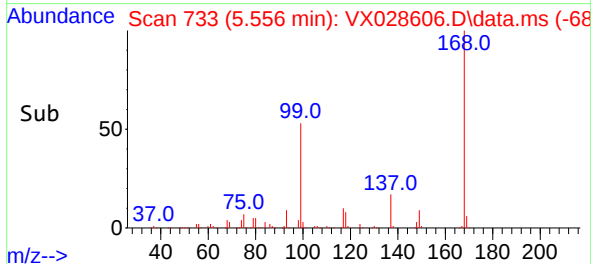
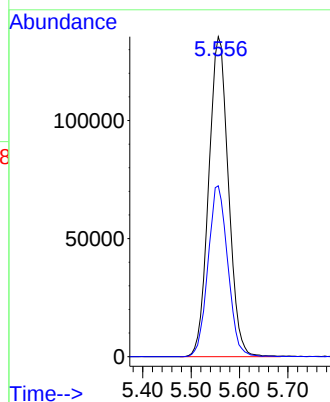
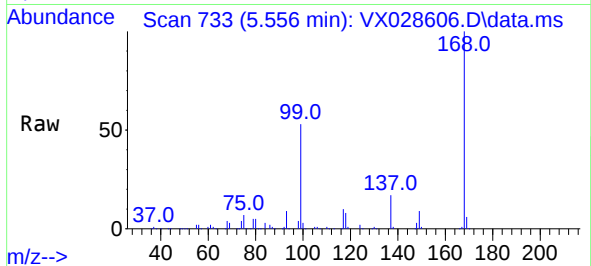




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

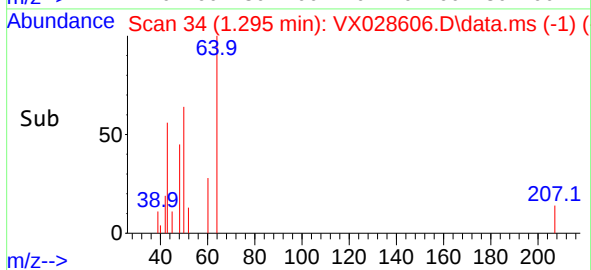
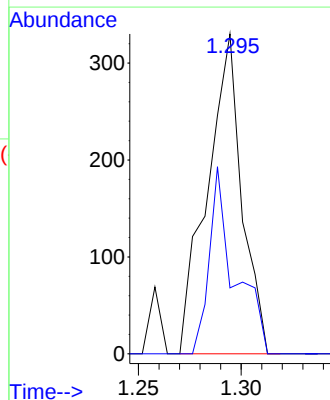
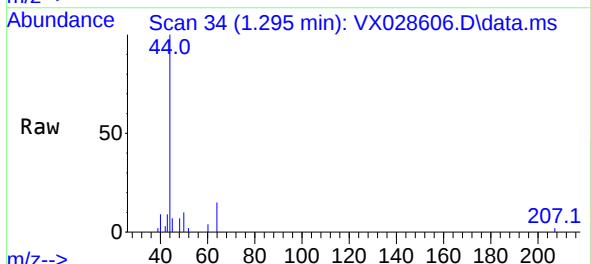
Instrument :
MSVOA_X
ClientSampleId :
TP-6

Tgt Ion:168 Resp: 382849
Ion Ratio Lower Upper
168 100
99 53.4 41.7 62.5

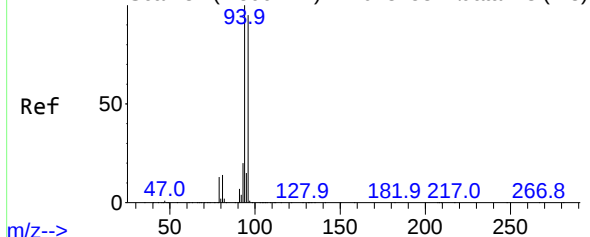


#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 50 Resp: 387
Ion Ratio Lower Upper
50 100
52 20.6 26.4 39.6#



Abundance Scan 84 (1.599 min): VX028153.D\data.ms (-78)



#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 81

Delta R.T. 0.019 min

Lab File: VX028606.D

Acq: 10 May 2022 19:51

Instrument :

MSVOA_X

ClientSampleId :

TP-6

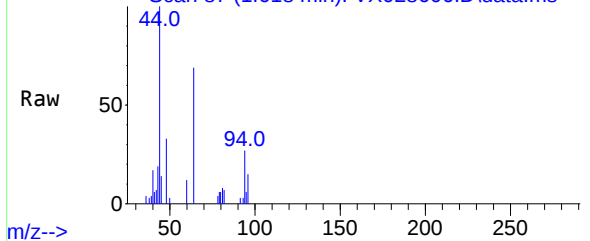
Tgt Ion: 94 Resp: 699

Ion Ratio Lower Upper

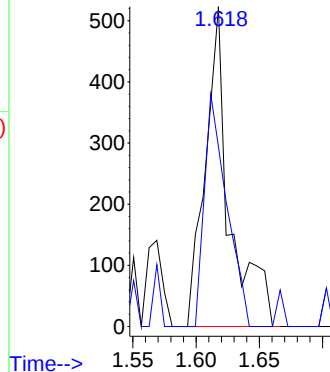
94 100

96 56.2 75.3 112.9#

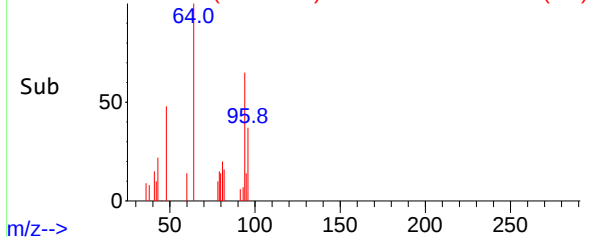
Abundance Scan 87 (1.618 min): VX028606.D\data.ms



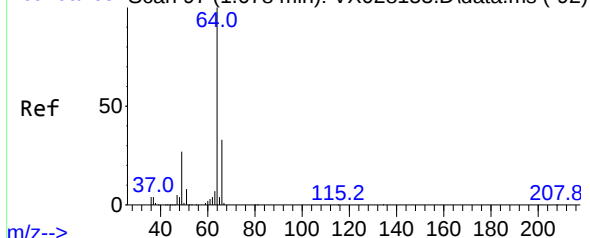
Abundance



Abundance Scan 87 (1.618 min): VX028606.D\data.ms (-35)



Abundance Scan 97 (1.678 min): VX028153.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.715 min Scan# 103

Delta R.T. 0.037 min

Lab File: VX028606.D

Acq: 10 May 2022 19:51

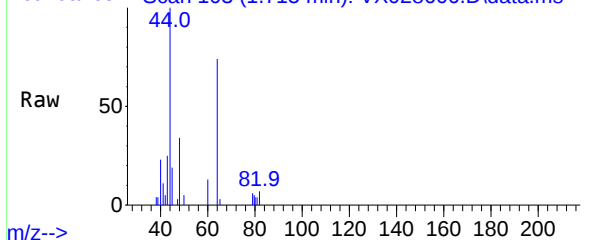
Tgt Ion: 64 Resp: 295

Ion Ratio Lower Upper

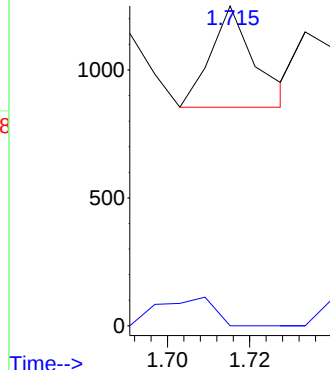
64 100

66 0.0 25.3 37.9#

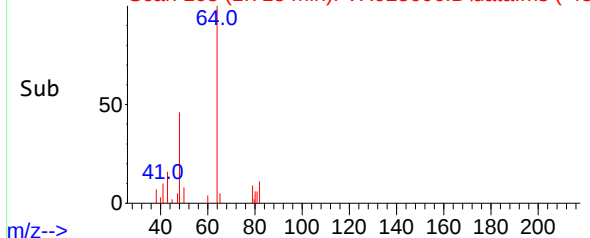
Abundance Scan 103 (1.715 min): VX028606.D\data.ms

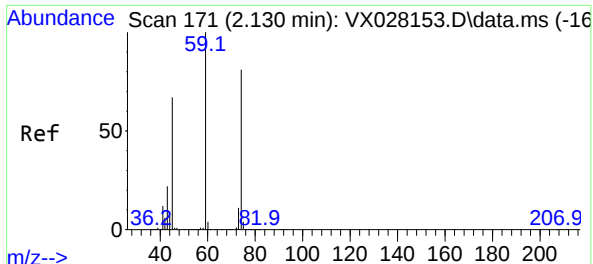


Abundance



Abundance Scan 103 (1.715 min): VX028606.D\data.ms (-48)

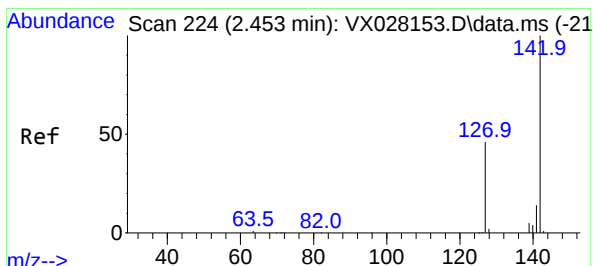
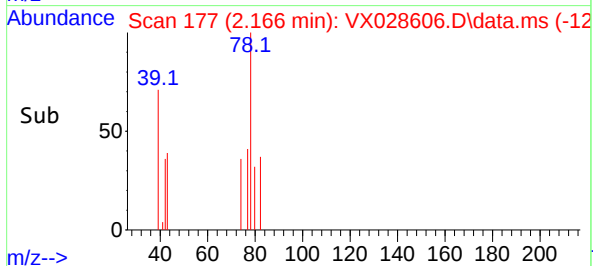
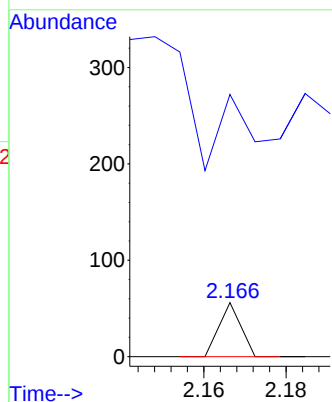
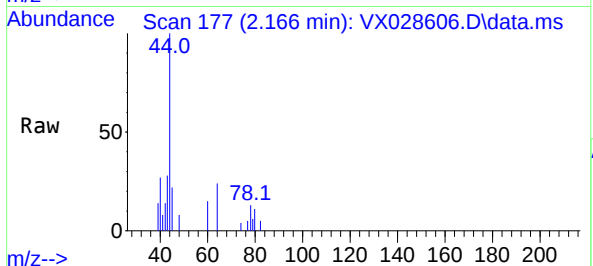




#8
Diethyl Ether
Concen: Below Cal
RT: 2.166 min Scan# 11
Delta R.T. 0.036 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

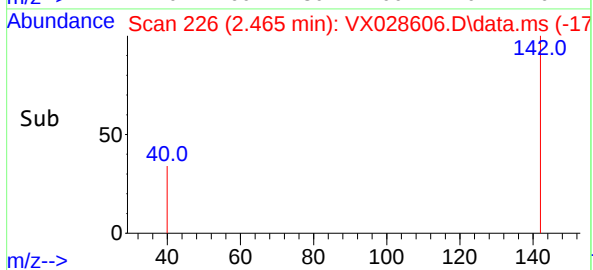
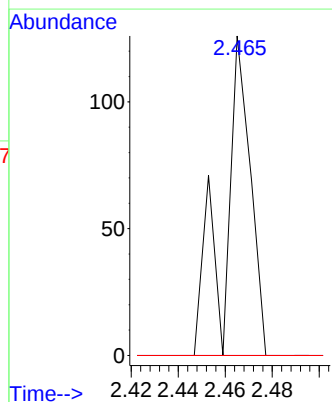
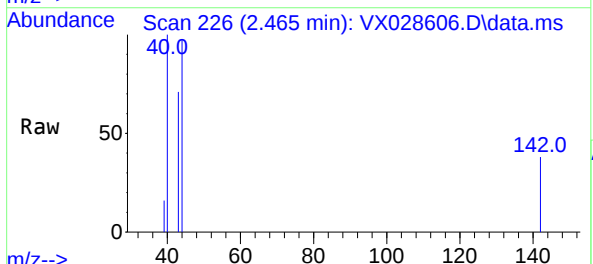
Instrument :
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TP-6

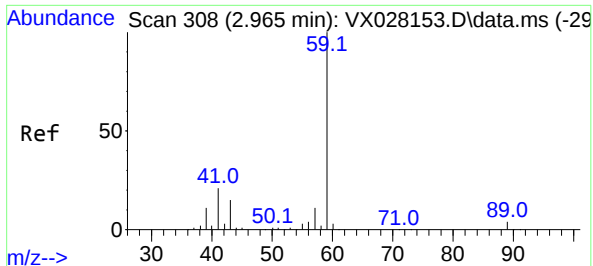
Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 600.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.255 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 142 Resp: 97
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# 30

Delta R.T. -0.018 min

Lab File: VX028606.D

Acq: 10 May 2022 19:51

Instrument :

MSVOA_X

ClientSampleId :

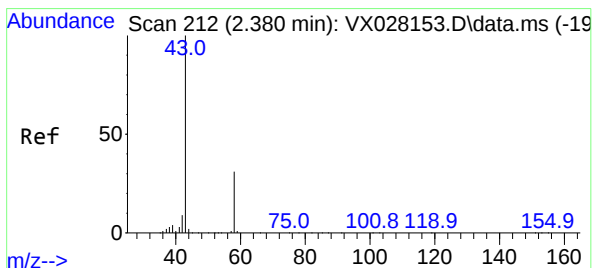
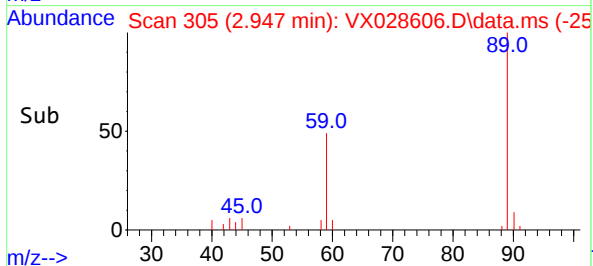
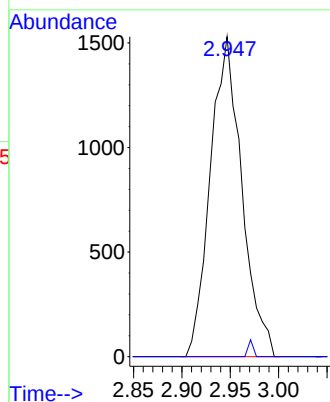
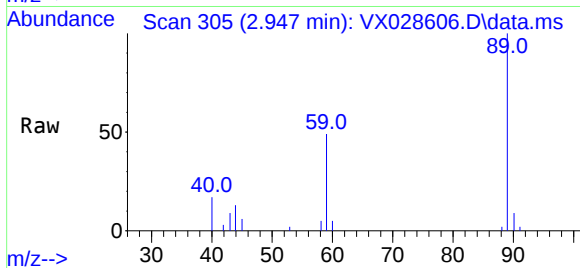
TP-6

Tgt Ion: 59 Resp: 3458

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 25.565 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX028606.D

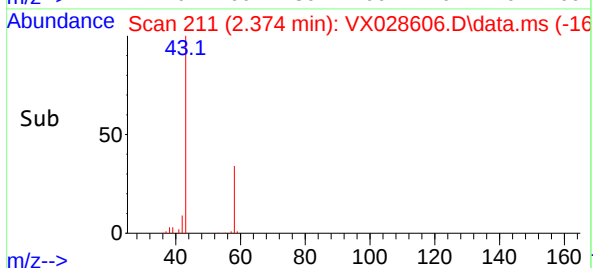
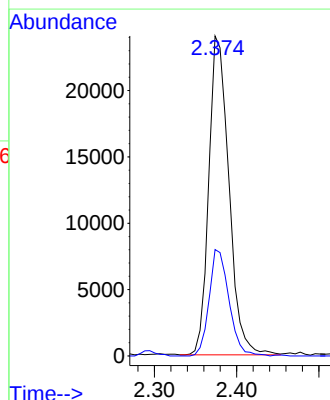
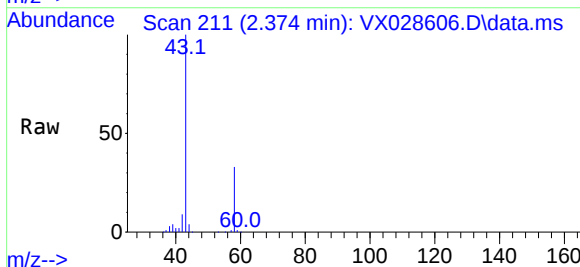
Acq: 10 May 2022 19:51

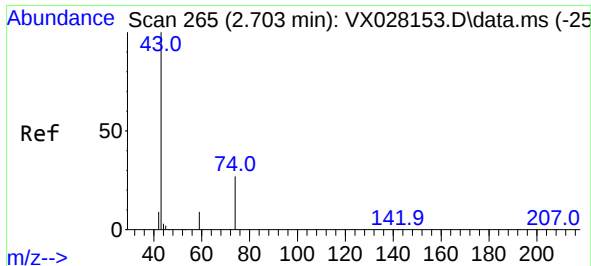
Tgt Ion: 43 Resp: 40890

Ion Ratio Lower Upper

43 100

58 33.3 28.8 43.2

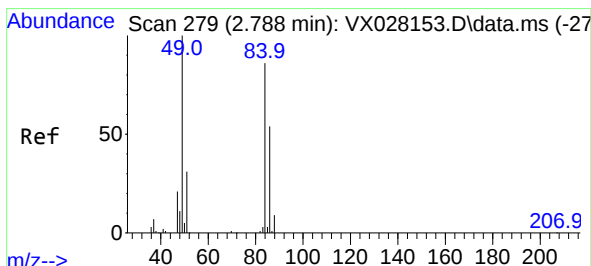
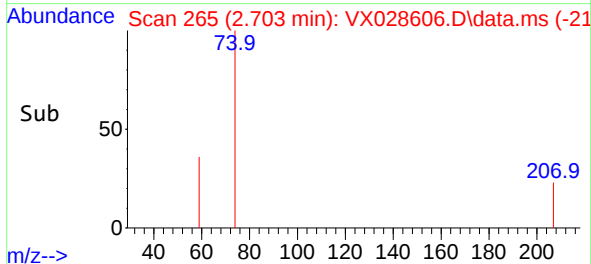
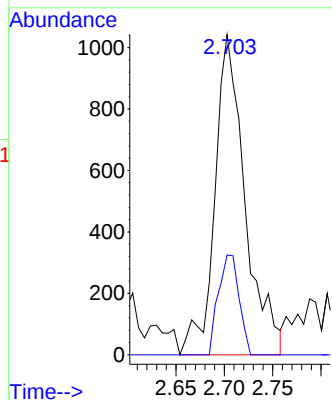
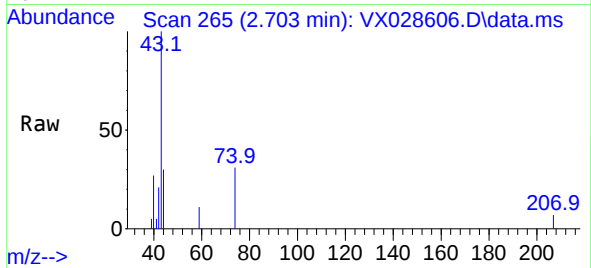




#18
Methyl Acetate
Concen: 0.511 ug/l
RT: 2.703 min Scan# 206
Delta R.T. -0.000 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

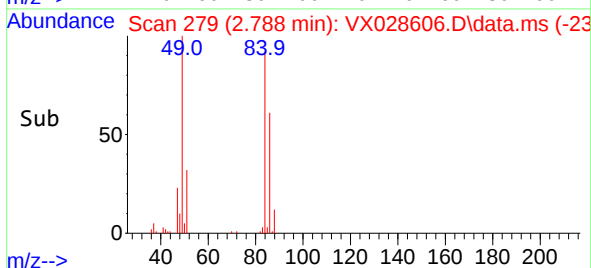
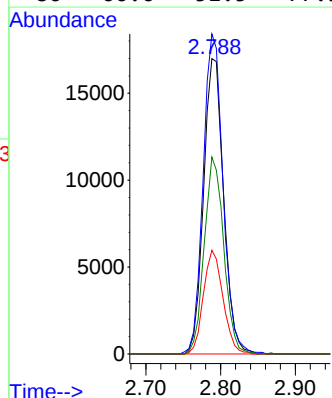
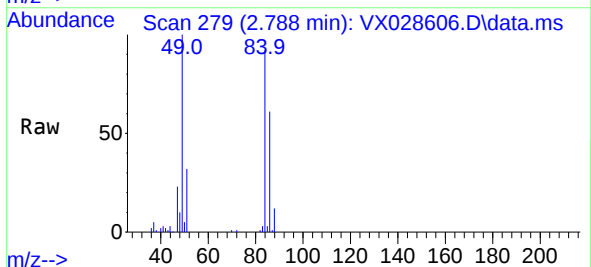
Instrument :
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ClientSampleId :
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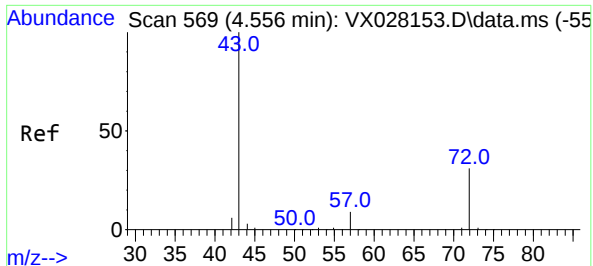
Tgt Ion: 43 Resp: 2266
Ion Ratio Lower Upper
43 100
74 21.2 22.8 34.2#



#20
Methylene Chloride
Concen: 8.520 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 84 Resp: 31556
Ion Ratio Lower Upper
84 100
49 108.3 85.5 128.3
51 35.1 26.6 39.8
86 66.6 51.5 77.3





#25

2-Butanone

Concen: 2.548 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028606.D

Acq: 10 May 2022 19:51

Instrument :

MSVOA_X

ClientSampleId :

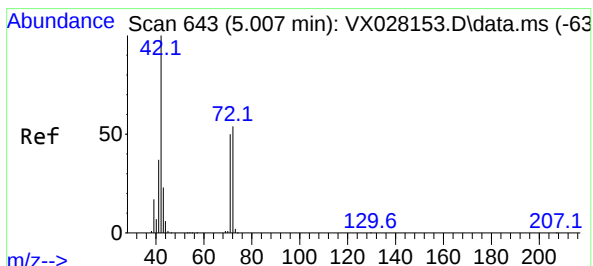
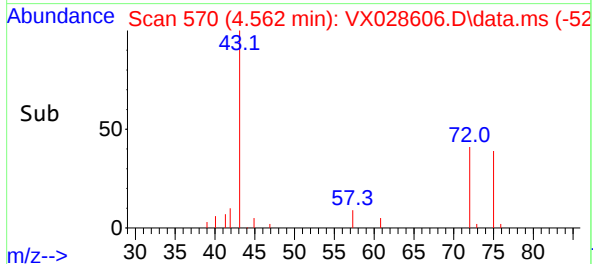
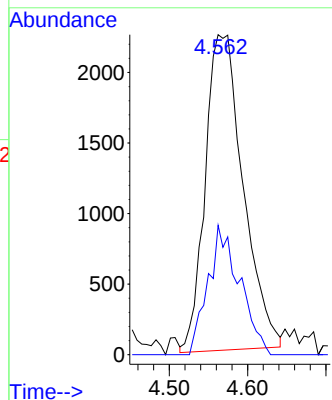
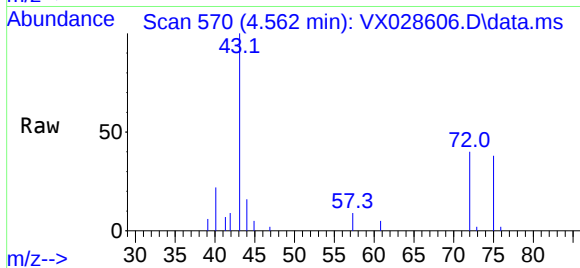
TP-6

Tgt Ion: 43 Resp: 7533

Ion Ratio Lower Upper

43 100

72 41.4 24.4 36.6#



#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.019 min

Lab File: VX028606.D

Acq: 10 May 2022 19:51

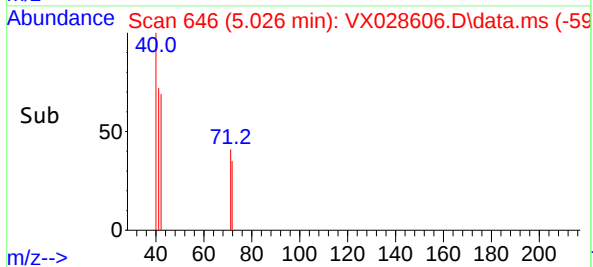
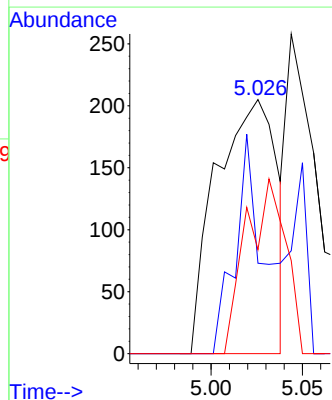
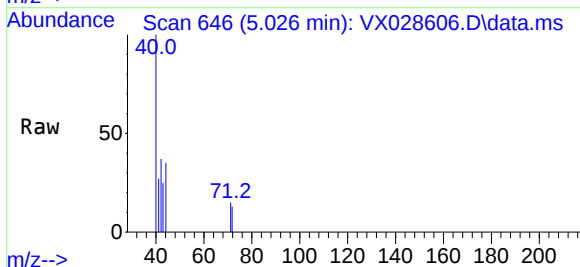
Tgt Ion: 42 Resp: 473

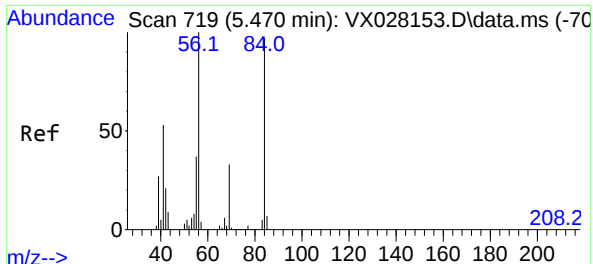
Ion Ratio Lower Upper

42 100

72 34.7 44.1 66.1#

71 45.0 40.5 60.7

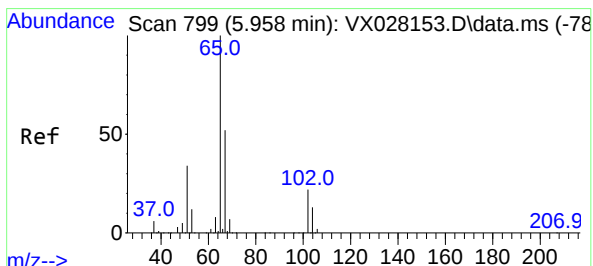
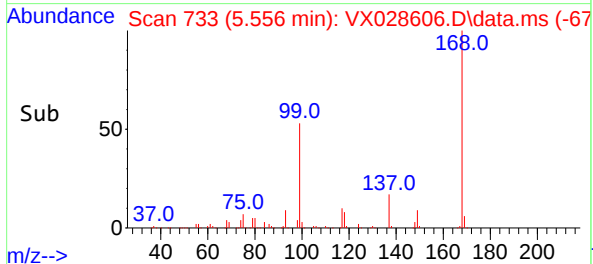
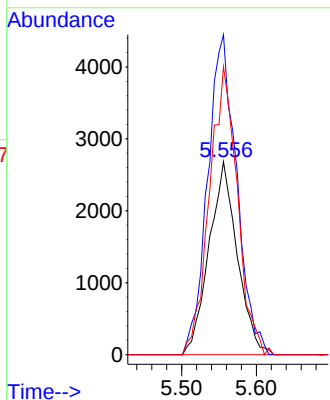
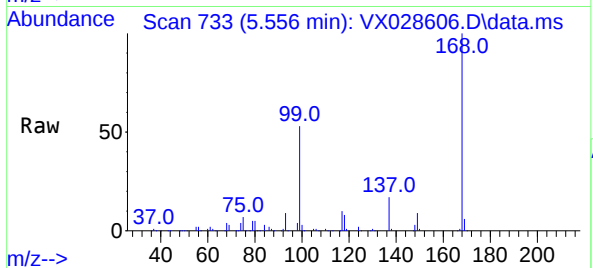




#31
Cyclohexane
Concen: 1.162 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

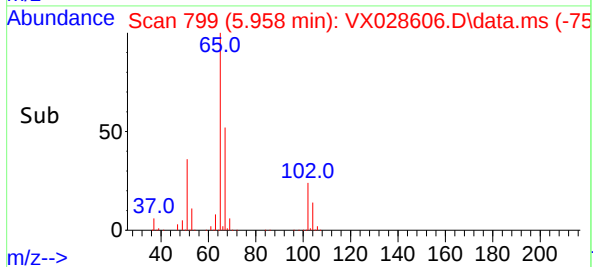
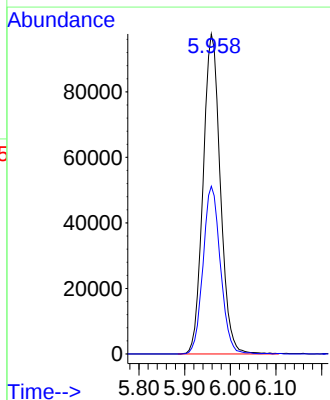
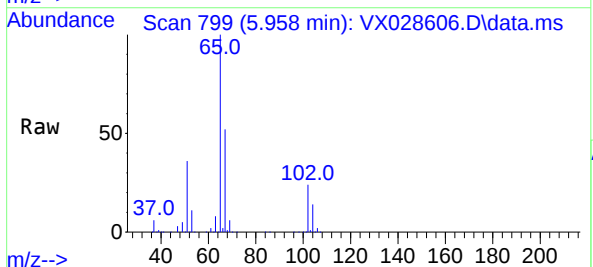
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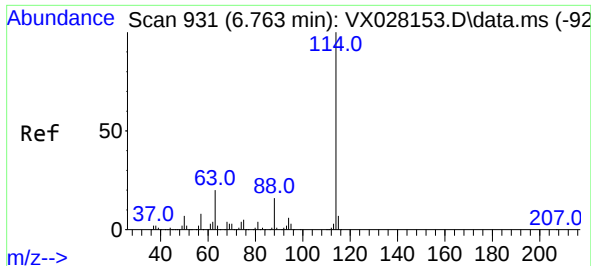
Tgt Ion: 56 Resp: 7065
Ion Ratio Lower Upper
56 100
69 165.8 26.7 40.1#
84 149.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 51.315 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 65 Resp: 256161
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4

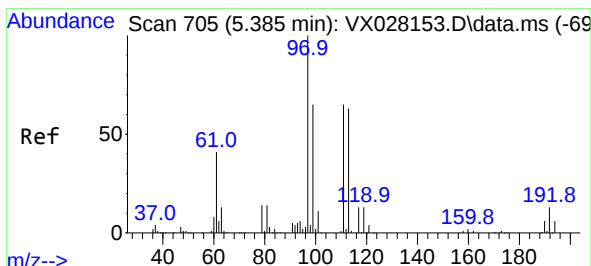
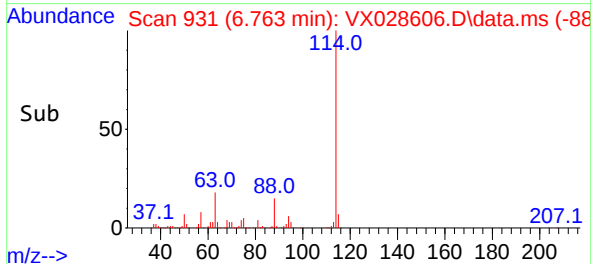
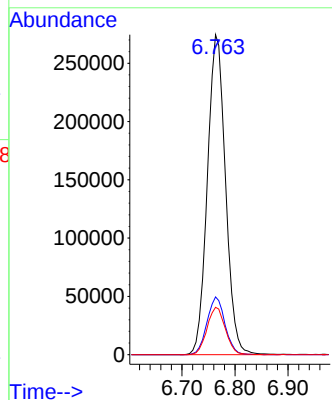
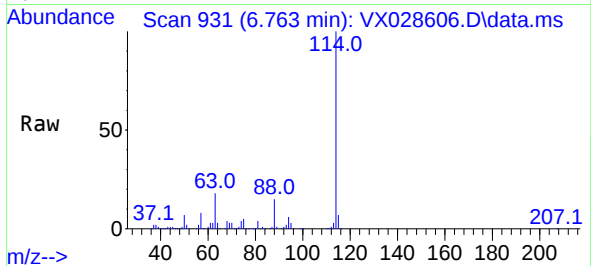




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

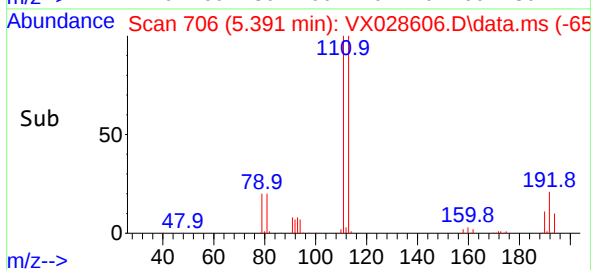
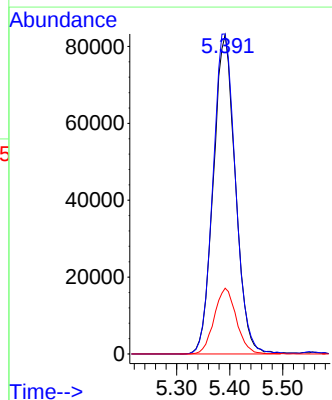
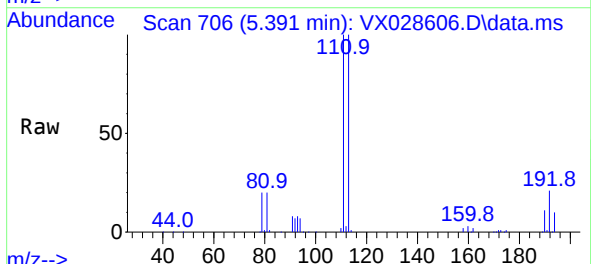
Instrument :
MSVOA_X
ClientSampleId :
TP-6

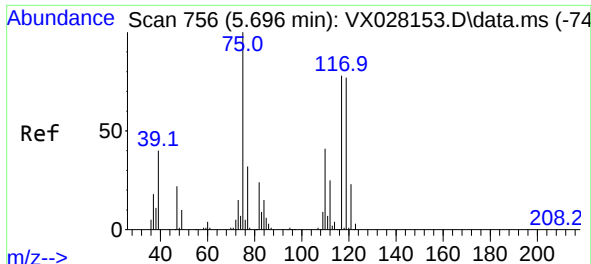
Tgt Ion:114 Resp: 651330
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.8
88 14.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 52.370 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion:113 Resp: 239210
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 20.7 16.9 25.3

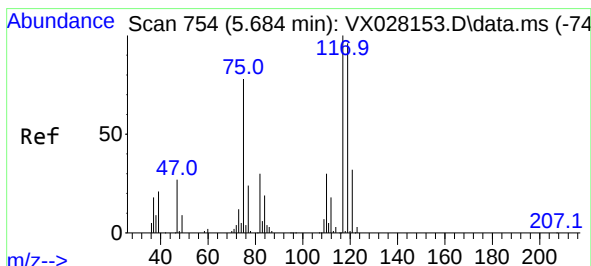
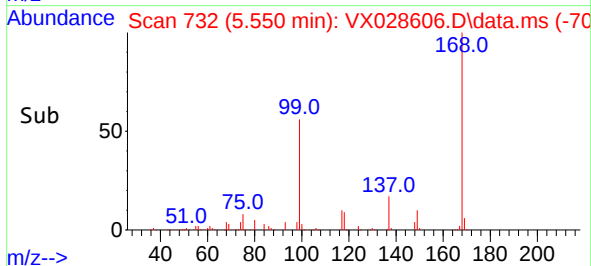
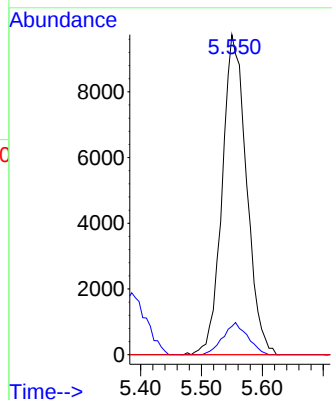
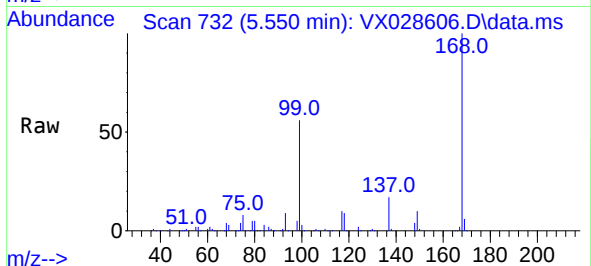




#36
1,1-Dichloropropene
Concen: 4.538 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

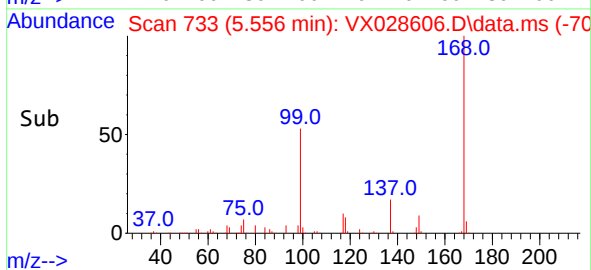
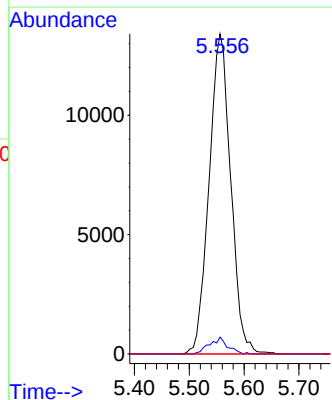
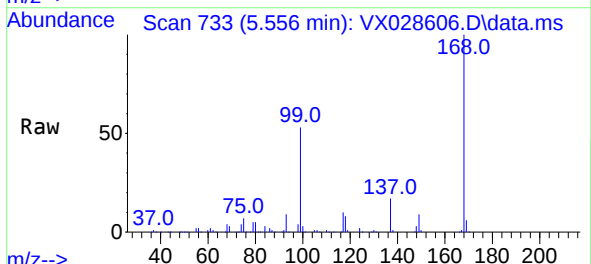
Instrument :
MSVOA_X
ClientSampleId :
TP-6

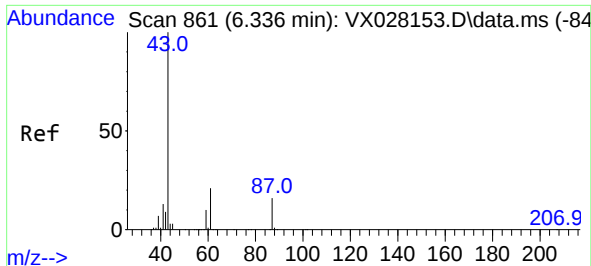
Tgt Ion: 75 Resp: 27040
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.458 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 117 Resp: 36708
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#

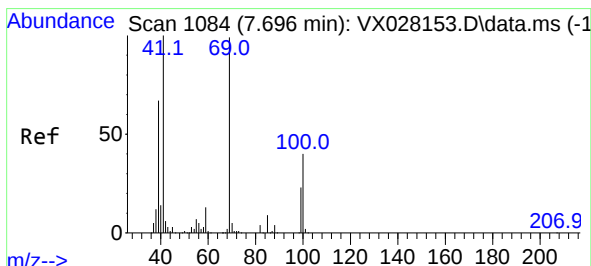
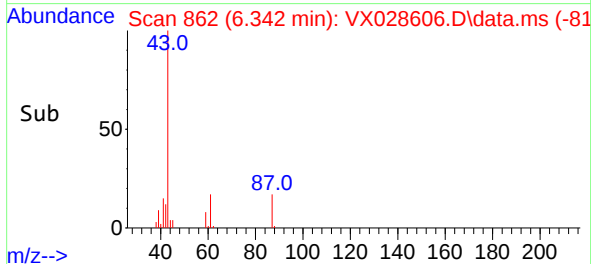
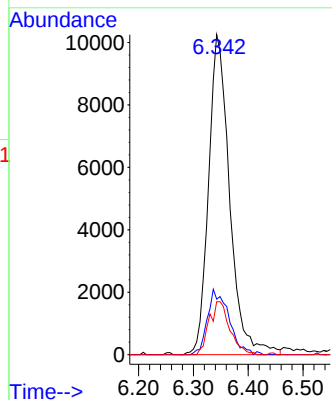
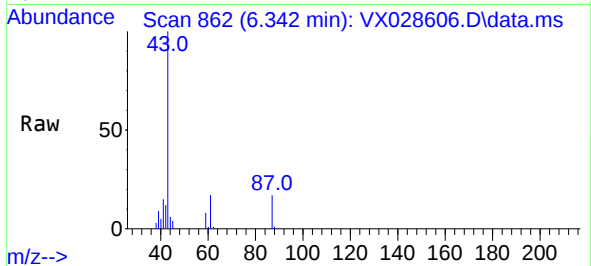




#43
Isopropyl Acetate
Concen: 2.784 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

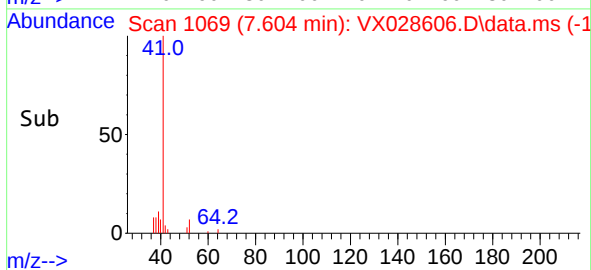
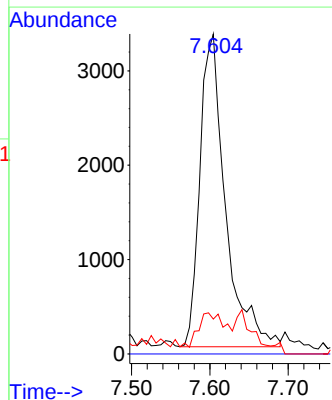
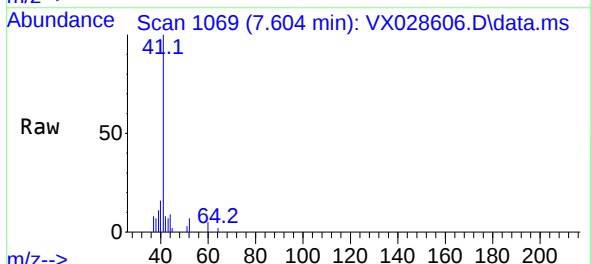
Instrument :
MSVOA_X
ClientSampleId :
TP-6

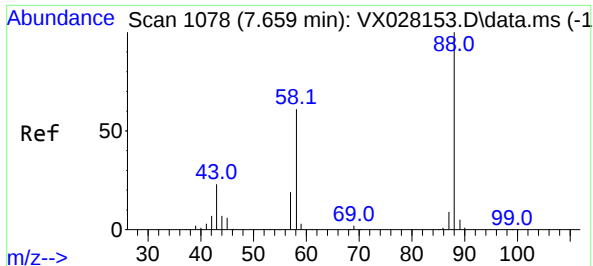
Tgt Ion: 43 Resp: 27389
Ion Ratio Lower Upper
43 100
61 20.8 18.5 27.7
87 16.2 13.0 19.6



#48
Methyl methacrylate
Concen: 1.667 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 41 Resp: 7529
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: 2.706 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028606.D

Acq: 10 May 2022 19:51

Instrument :

MSVOA_X

ClientSampleId :

TP-6

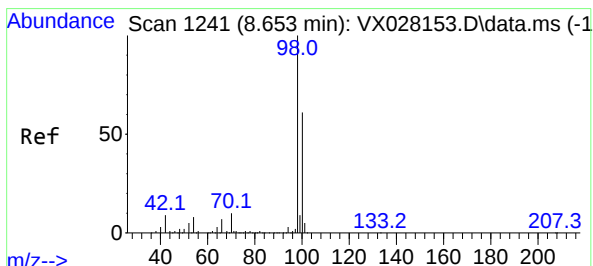
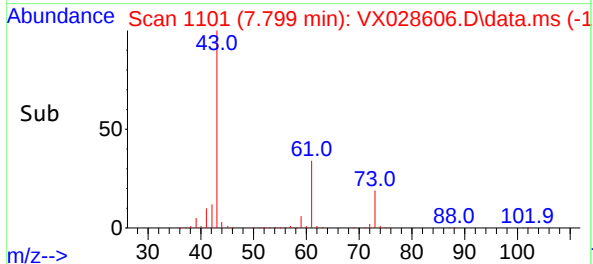
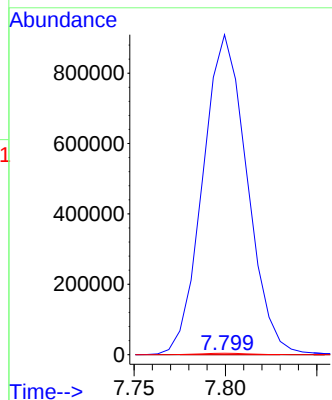
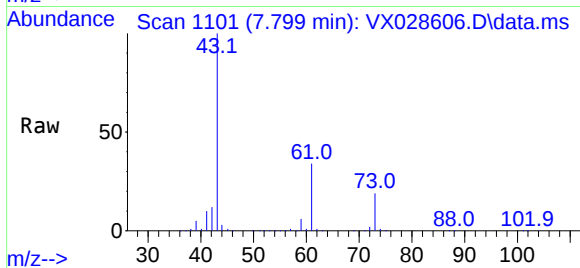
Tgt Ion: 88 Resp: 327

Ion Ratio Lower Upper

88 100

43 472774.0 21.9 32.9#

58 2278.3 53.7 80.5#



#50

Toluene-d8

Concen: 50.041 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX028606.D

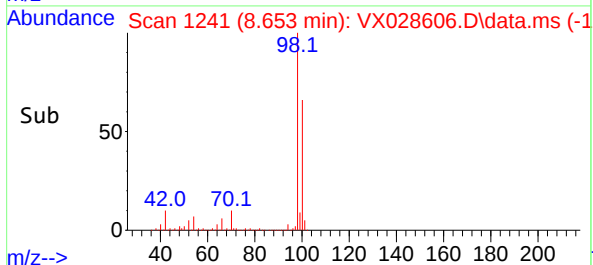
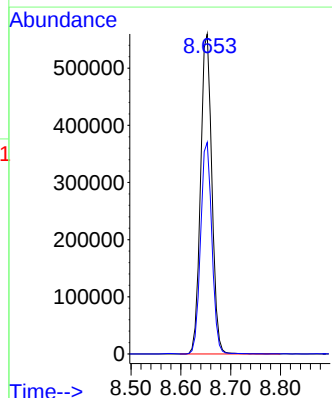
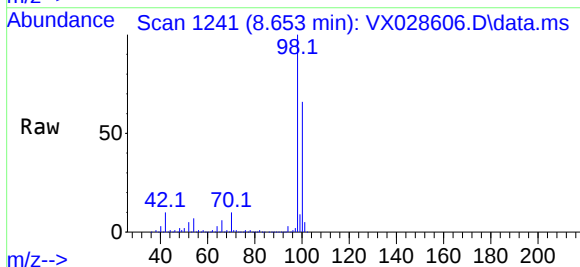
Acq: 10 May 2022 19:51

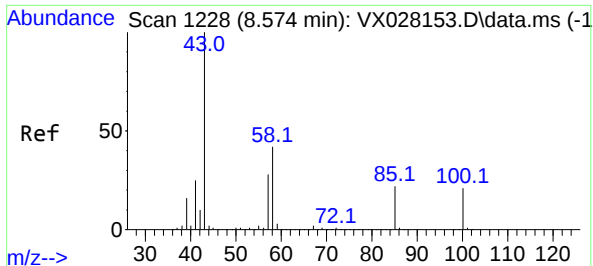
Tgt Ion: 98 Resp: 877912

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8

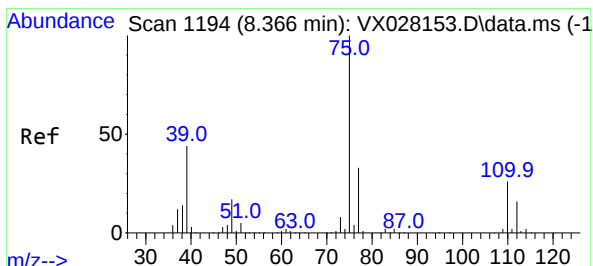
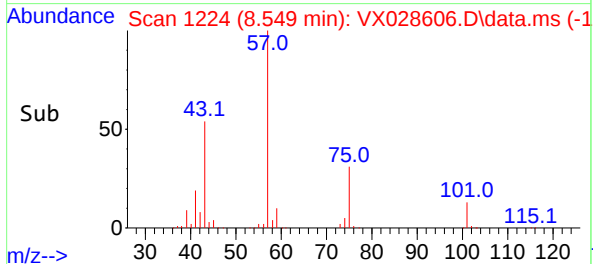
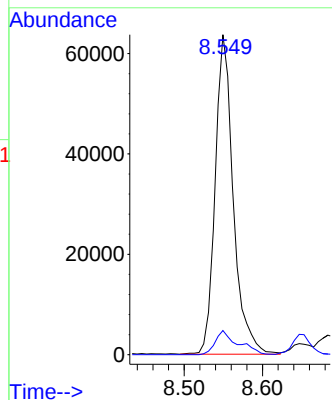
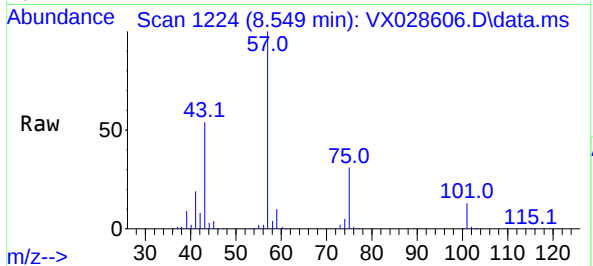




#51
4-Methyl-2-Pentanone
Concen: 16.208 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

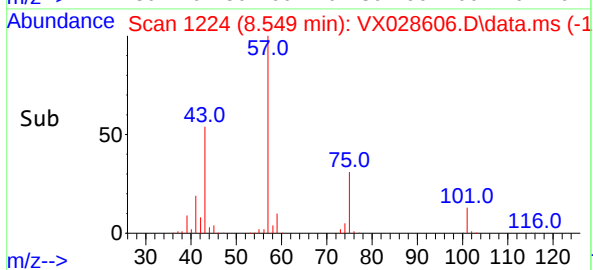
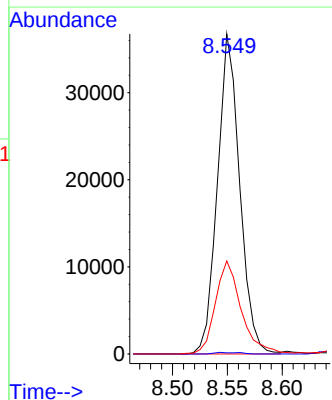
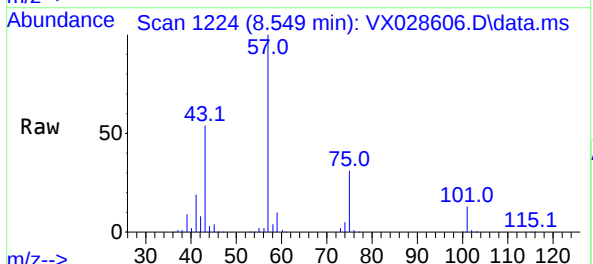
Instrument :
MSVOA_X
ClientSampleId :
TP-6

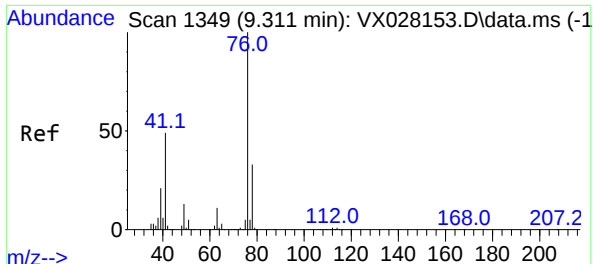
Tgt Ion: 43 Resp: 102339
Ion Ratio Lower Upper
43 100
58 9.5 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.074 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 75 Resp: 51965
Ion Ratio Lower Upper
75 100
77 0.4 24.8 37.2#
39 29.0 29.6 44.4#

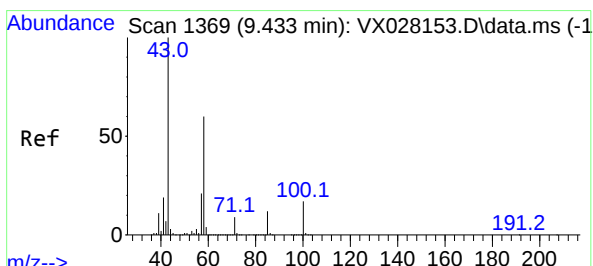
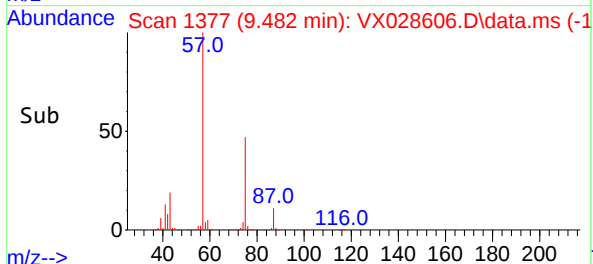
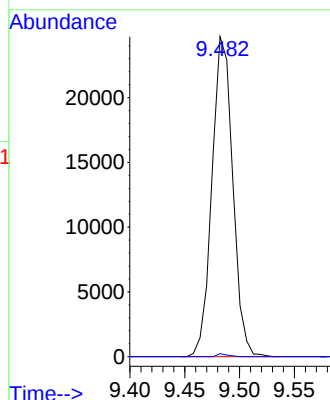
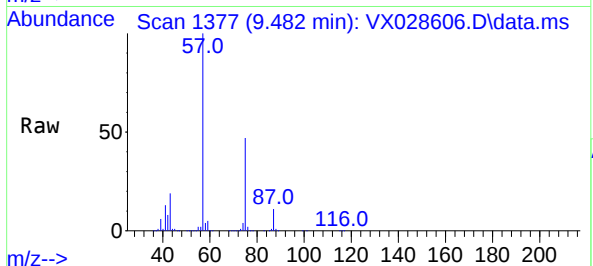




#57
1,3-Dichloropropane
Concen: 4.105 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

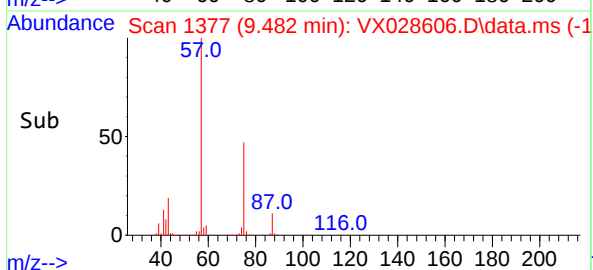
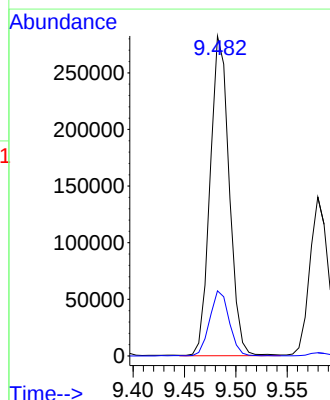
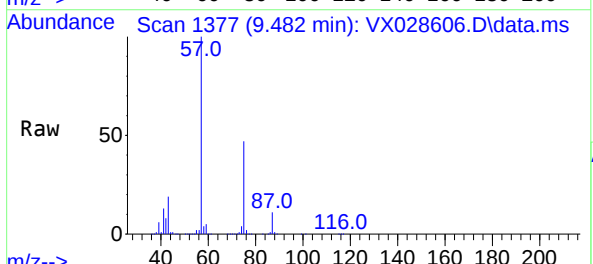
Instrument :
MSVOA_X
ClientSampleId :
TP-6

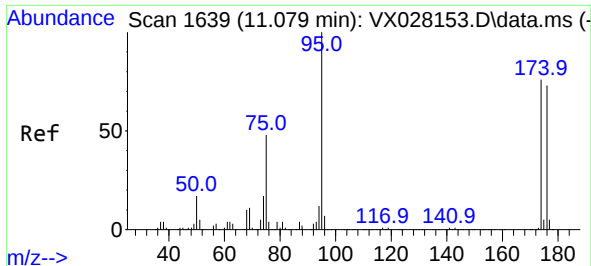
Tgt Ion: 76 Resp: 32622
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#



#59
2-Hexanone
Concen: 74.830 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 43 Resp: 365990
Ion Ratio Lower Upper
43 100
58 21.0 31.9 95.7#

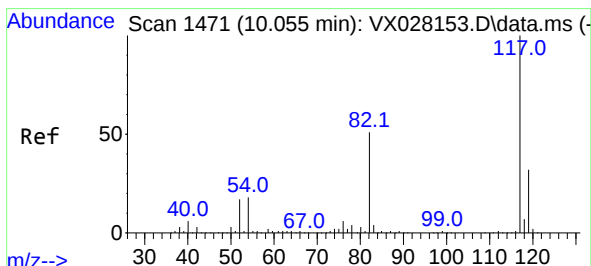
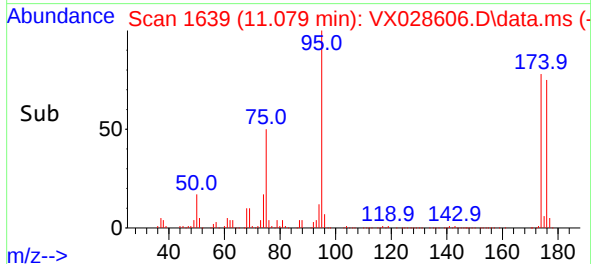
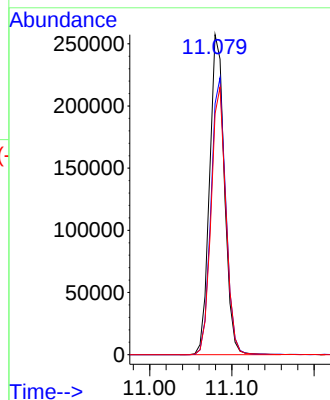
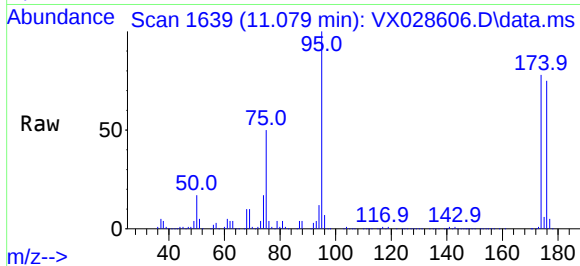




#62
4-Bromofluorobenzene
Concen: 48.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

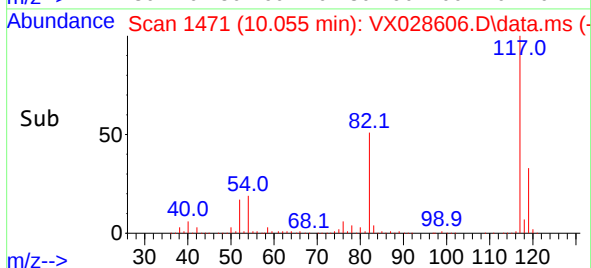
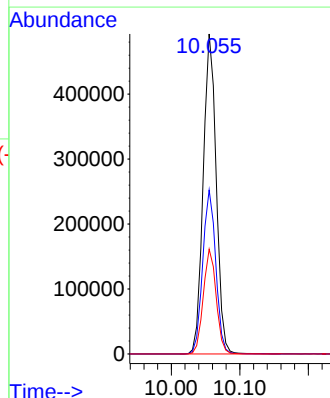
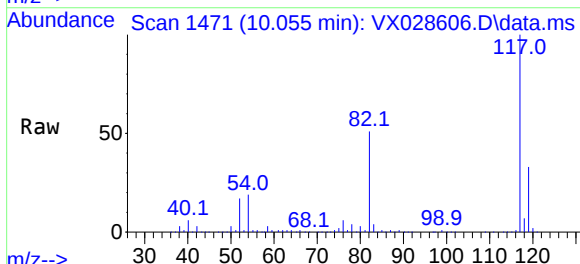
Instrument :
MSVOA_X
ClientSampleId :
TP-6

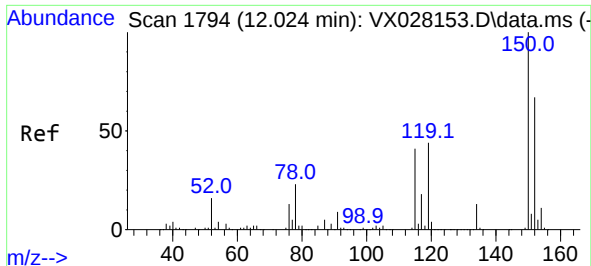
Tgt Ion: 95 Resp: 323424
Ion Ratio Lower Upper
95 100
174 86.7 0.0 163.0
176 83.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 117 Resp: 652619
Ion Ratio Lower Upper
117 100
82 51.2 41.8 62.8
119 32.8 24.8 37.2

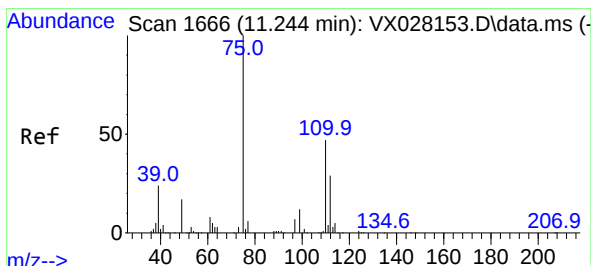
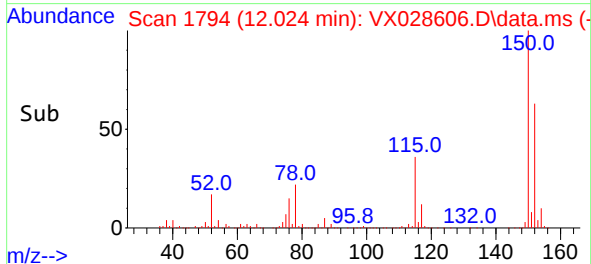
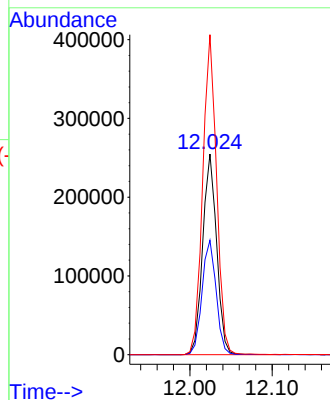
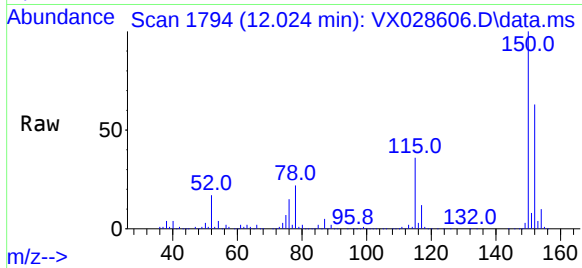




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

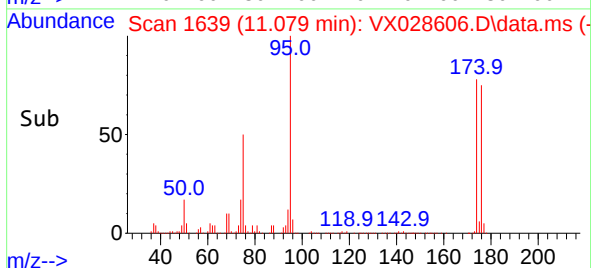
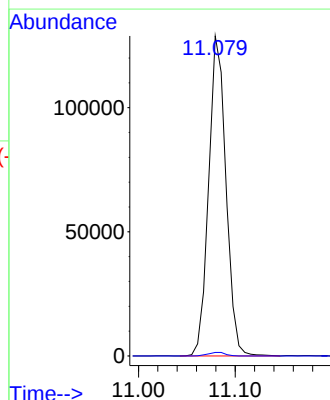
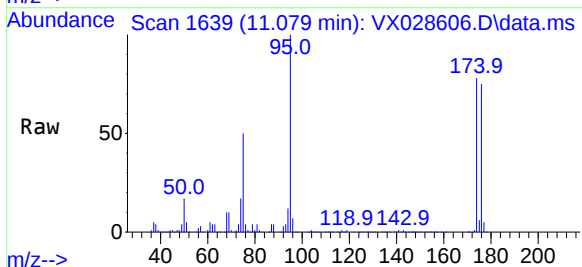
Instrument :
MSVOA_X
ClientSampleId :
TP-6

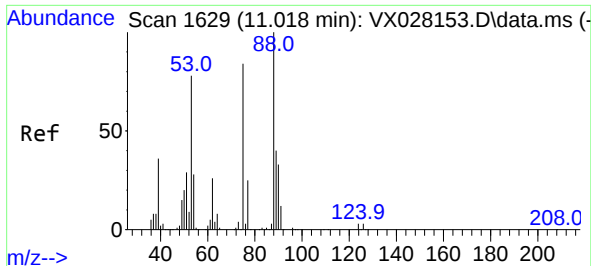
Tgt Ion:152 Resp: 301750
Ion Ratio Lower Upper
152 100
115 57.6 37.5 112.7
150 158.1 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 27.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 75 Resp: 160665
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#

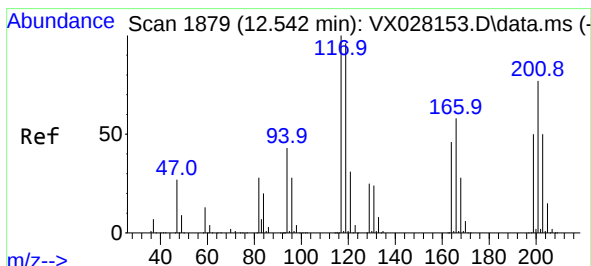
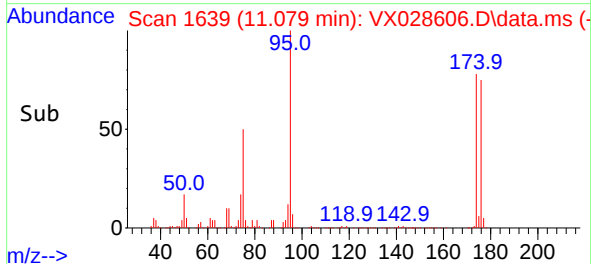
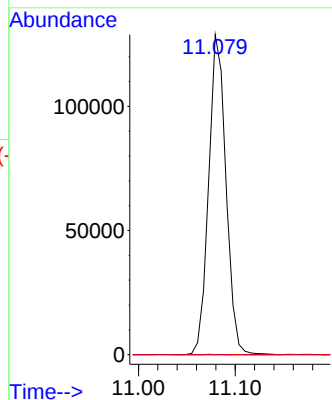
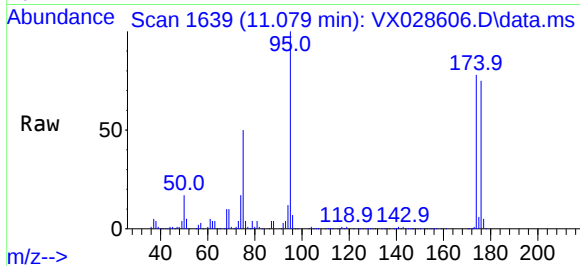




#81
trans-1,4-Dichloro-2-butene
Concen: 80.398 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Instrument :
MSVOA_X
ClientSampleId :
TP-6

Tgt Ion: 75 Resp: 160665
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.821 ug/l
RT: 12.268 min Scan# 1834
Delta R.T. -0.274 min
Lab File: VX028606.D
Acq: 10 May 2022 19:51

Tgt Ion: 117 Resp: 26
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

