

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028603.D
 Acq On : 10 May 2022 18:42
 Operator : JC/MD
 Sample : N2749-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: May 11 07:03:48 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)

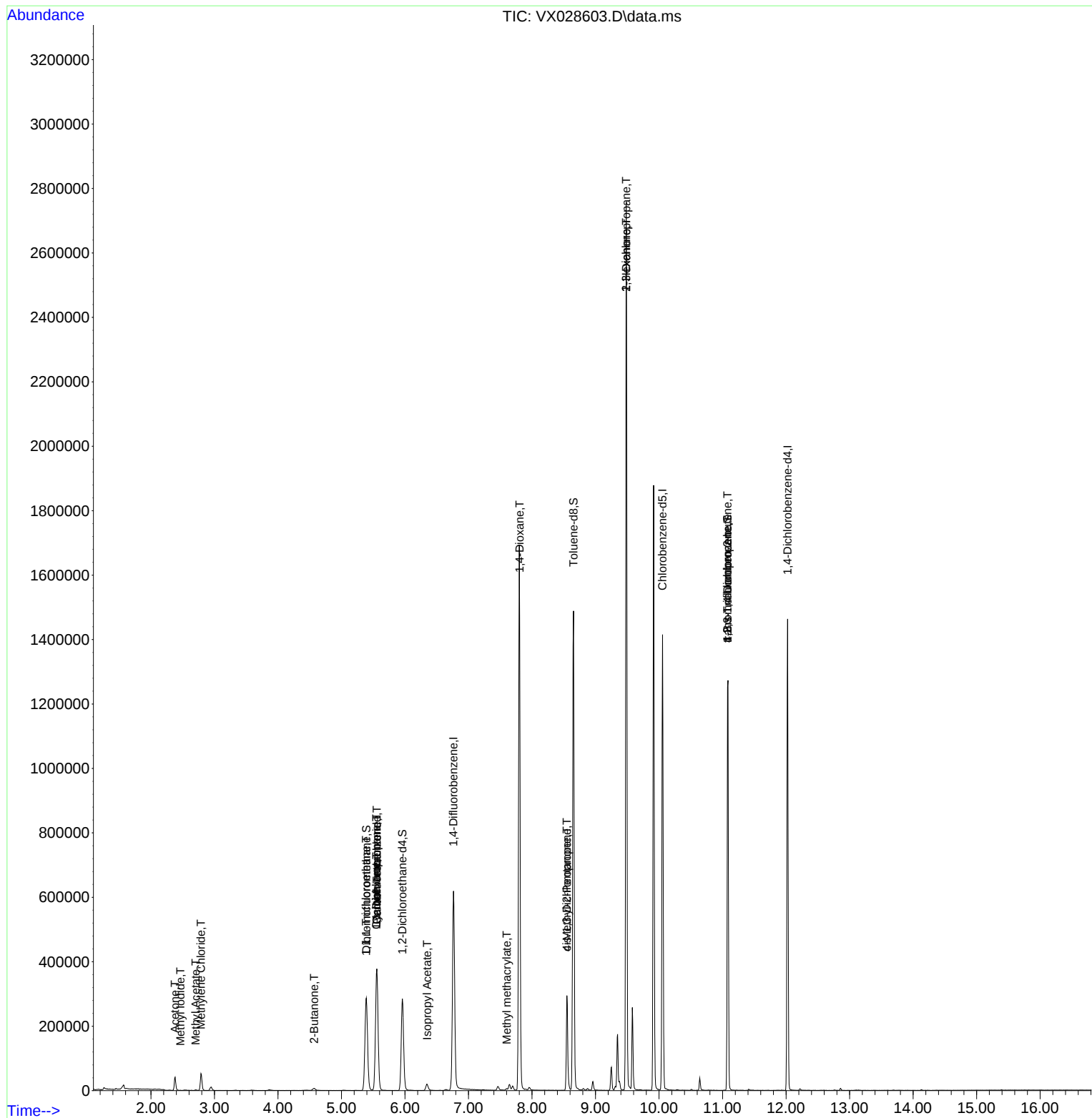
Internal Standards						
1) Pentafluorobenzene	5.556	168	378487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	654508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	645661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	310954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	267225	54.149	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.300%			
35) Dibromofluoromethane	5.391	113	248370	54.111	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.220%			
50) Toluene-d8	8.653	98	910262	51.633	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.260%			
62) 4-Bromofluorobenzene	11.079	95	340541	50.520	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.040%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	483	Below Cal	#	78
5) Bromomethane	1.611	94	612	Below Cal		85
6) Chloroethane	1.563	64	2284	Below Cal	#	75
8) Diethyl Ether	2.136	74	25	Below Cal	#	1
10) Methyl Iodide	2.465	142	144	5.265	ug/l #	41
11) Tert butyl alcohol	2.947	59	5896	Below Cal	#	75
16) Acetone	2.380	43	42127	26.701	ug/l	97
18) Methyl Acetate	2.703	43	2800	0.638	ug/l	92
20) Methylene Chloride	2.788	84	24591	6.716	ug/l	99
25) 2-Butanone	4.568	43	8552	2.926	ug/l #	87
31) Cyclohexane	5.550	56	7023	1.168	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	2886	0.404	ug/l #	50
36) 1,1-Dichloropropene	5.550	75	26347	4.401	ug/l #	50
38) Carbon Tetrachloride	5.556	117	37014	5.476	ug/l #	16
43) Isopropyl Acetate	6.348	43	26315	2.661	ug/l	99
48) Methyl methacrylate	7.604	41	6715	1.479	ug/l #	7
49) 1,4-Dioxane	7.805	88	354	2.915	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	96755	15.249	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	51400	6.963	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	25889	3.242	ug/l #	43
59) 2-Hexanone	9.482	43	296810	60.391	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	169393	27.680	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	169393	82.256	ug/l #	15

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

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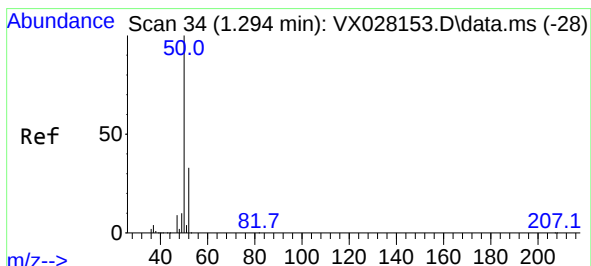
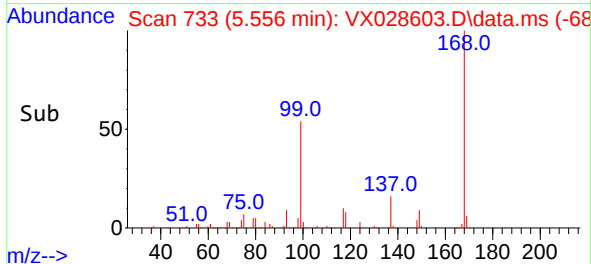
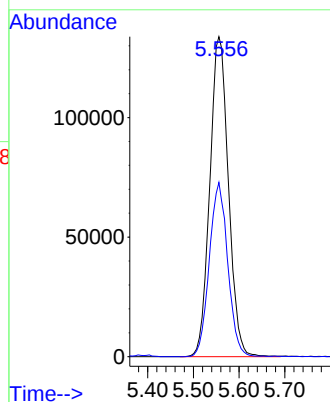
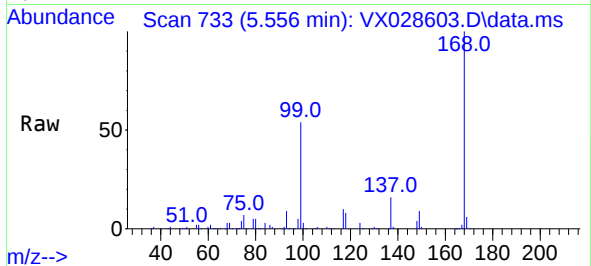




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

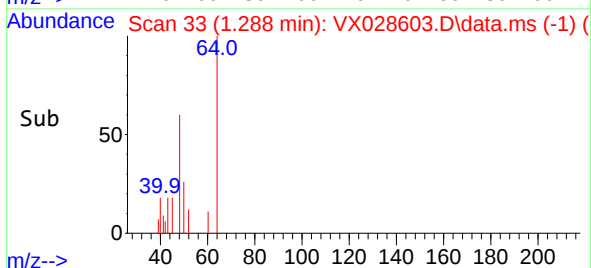
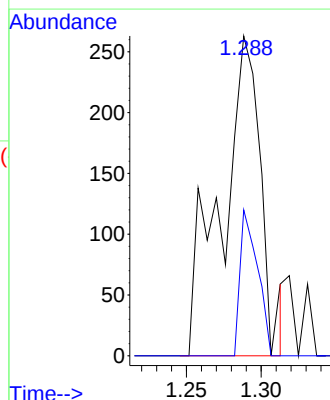
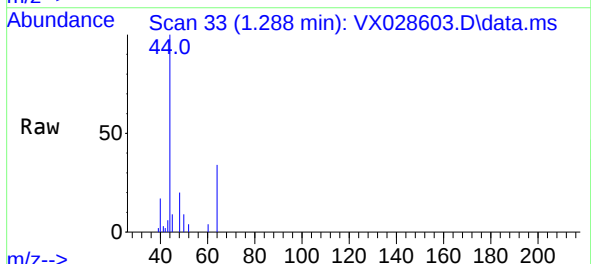
Instrument :
MSVOA_X
ClientSampleId :
TP-3

Tgt Ion:168 Resp: 378487
Ion Ratio Lower Upper
168 100
99 54.4 41.7 62.5

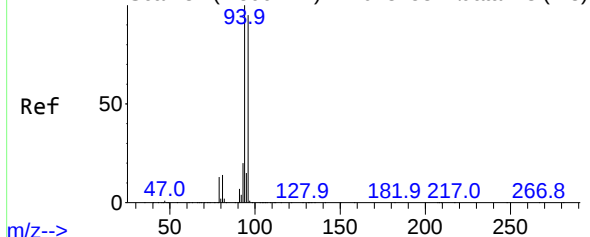


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 45.6 26.4 39.6#



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

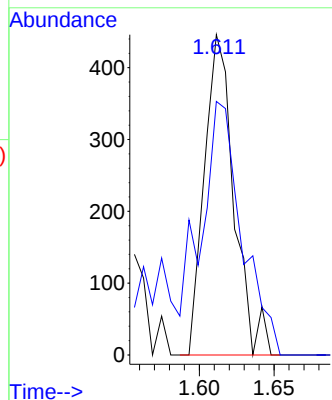
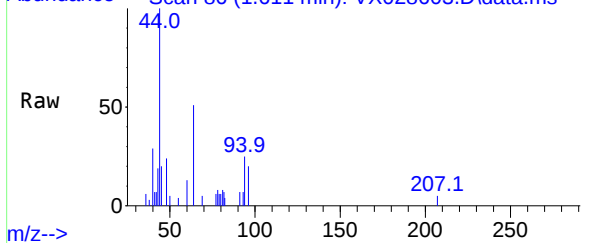


#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

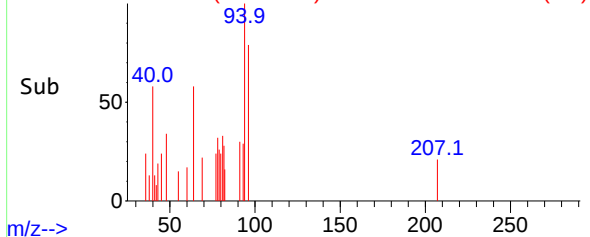
Instrument :
MSVOA_X
ClientSampleId :
TP-3

Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 79.1 75.3 112.9

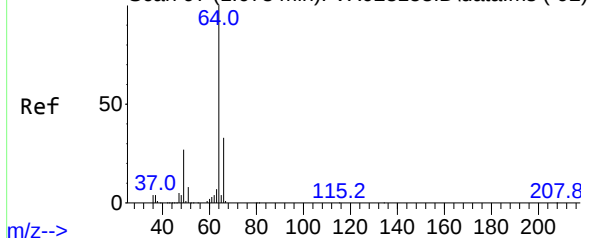
Abundance Scan 86 (1.611 min): VX028603.D\data.ms



Abundance Scan 86 (1.611 min): VX028603.D\data.ms (-35)



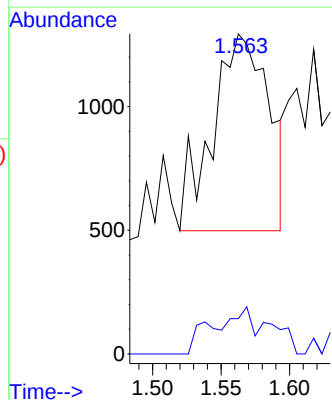
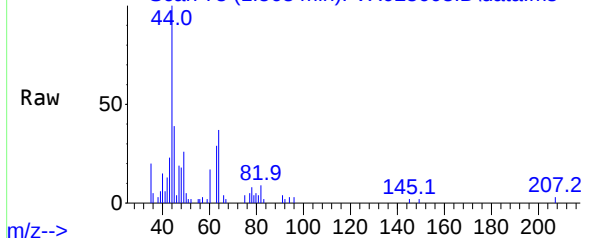
Abundance Scan 97 (1.678 min): VX028153.D\data.ms (-92)



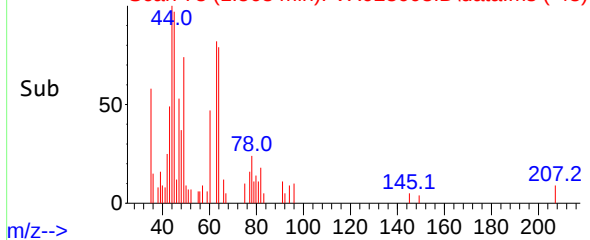
#6
Chloroethane
Concen: Below Cal
RT: 1.563 min Scan# 78
Delta R.T. -0.115 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

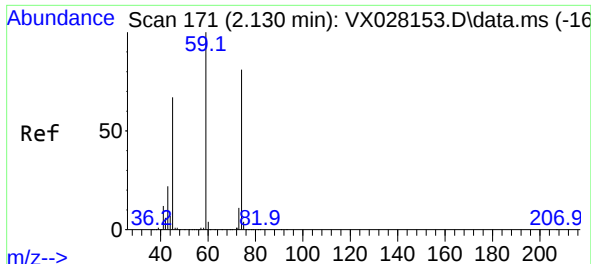
Tgt Ion: 64 Resp: 2284
Ion Ratio Lower Upper
64 100
66 18.0 25.3 37.9#

Abundance Scan 78 (1.563 min): VX028603.D\data.ms



Abundance Scan 78 (1.563 min): VX028603.D\data.ms (-48)

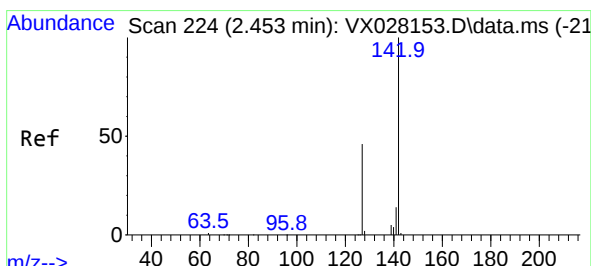
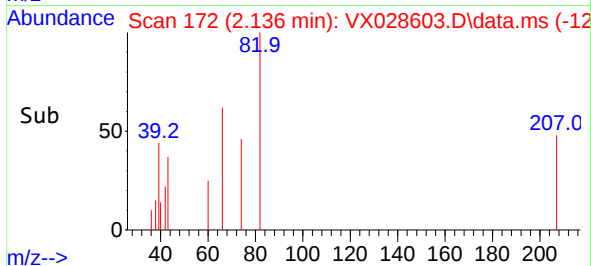
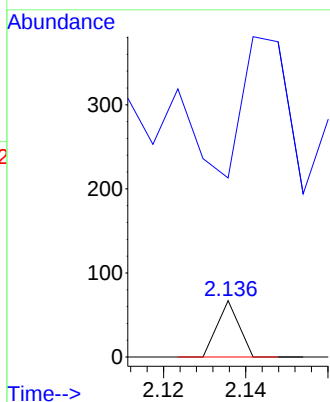
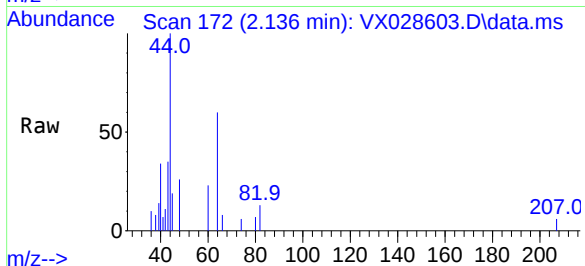




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

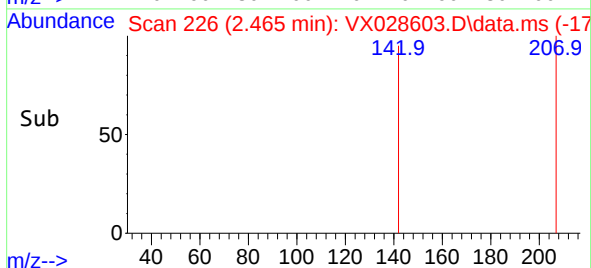
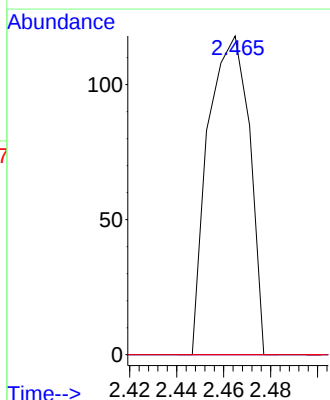
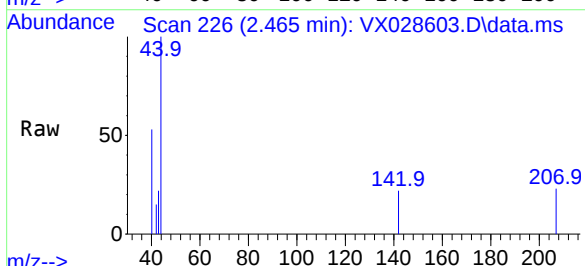
Instrument :
MSVOA_X
ClientSampleId :
TP-3

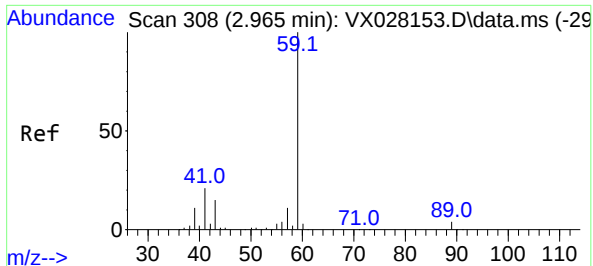
Tgt Ion: 74 Resp: 25
Ion Ratio Lower Upper
74 100
45 540.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.265 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion: 142 Resp: 144
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: VX028603.D

Acq: 10 May 2022 18:42

Instrument :

MSVOA_X

ClientSampleId :

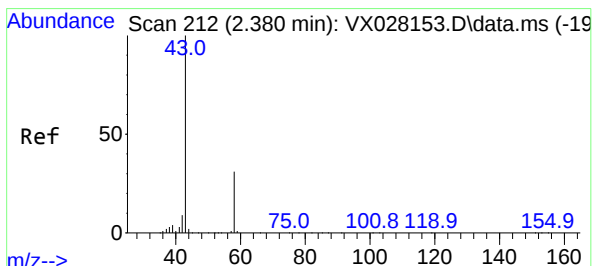
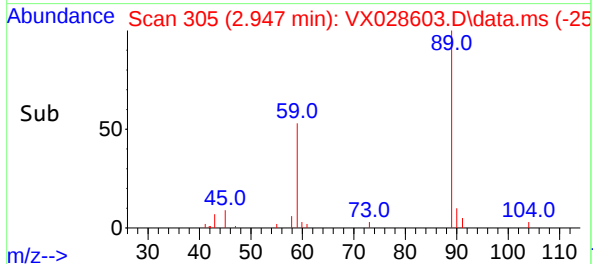
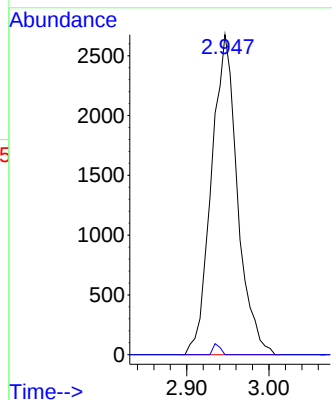
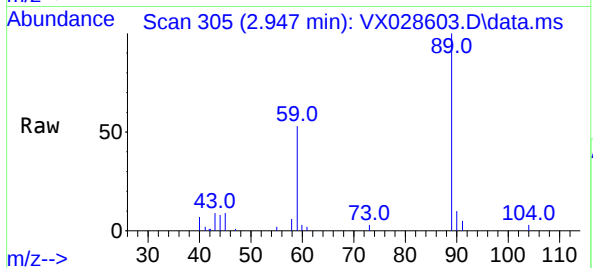
TP-3

Tgt Ion: 59 Resp: 5896

Ion Ratio Lower Upper

59 100

57 0.9 8.3 12.5#



#16

Acetone

Concen: 26.701 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028603.D

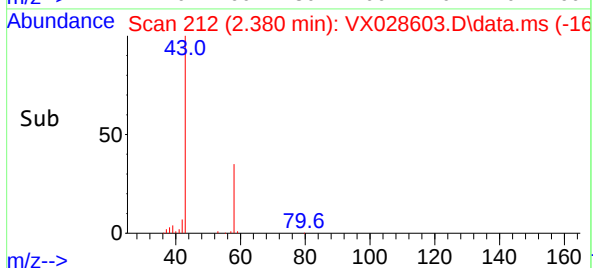
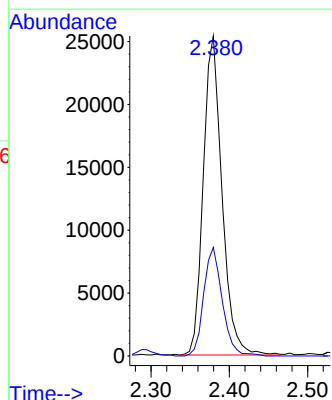
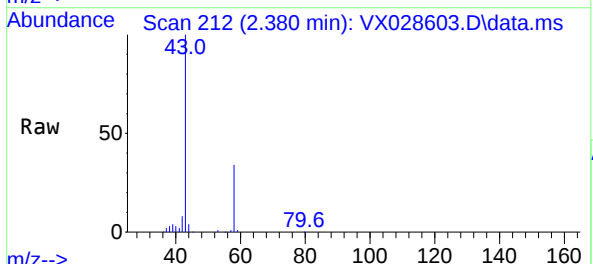
Acq: 10 May 2022 18:42

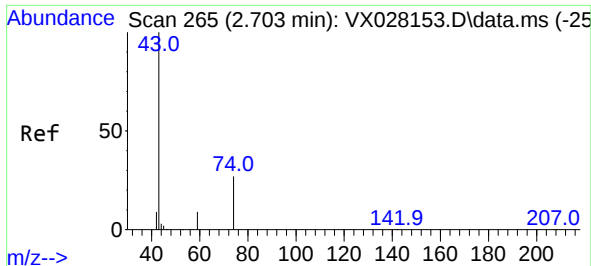
Tgt Ion: 43 Resp: 42127

Ion Ratio Lower Upper

43 100

58 34.1 28.8 43.2





#18

Methyl Acetate

Concen: 0.638 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX028603.D

Acq: 10 May 2022 18:42

Instrument :

MSVOA_X

ClientSampleId :

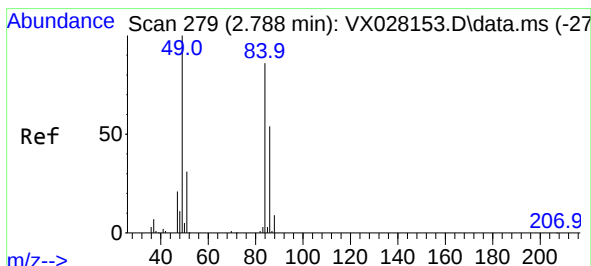
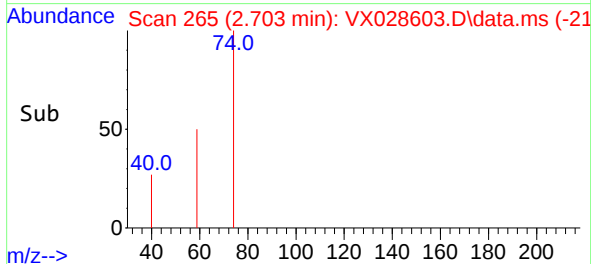
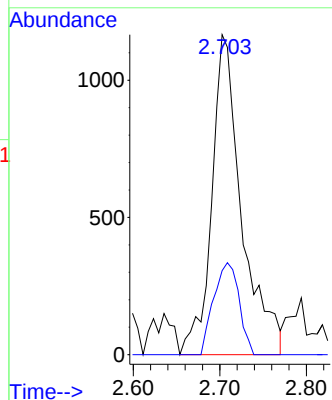
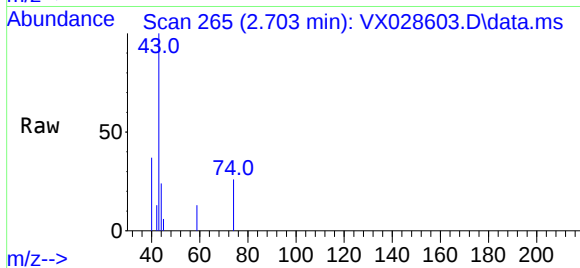
TP-3

Tgt Ion: 43 Resp: 2800

Ion Ratio Lower Upper

43 100

74 24.3 22.8 34.2



#20

Methylene Chloride

Concen: 6.716 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX028603.D

Acq: 10 May 2022 18:42

Tgt Ion: 84 Resp: 24591

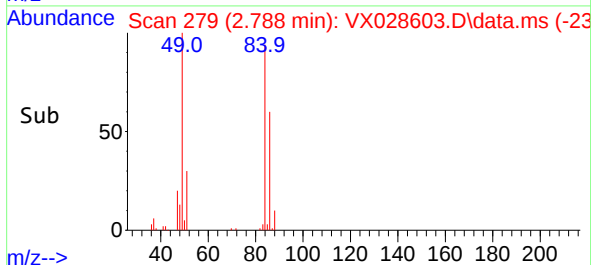
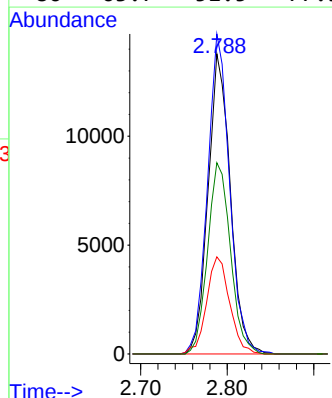
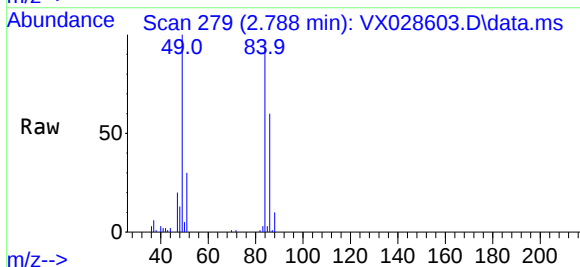
Ion Ratio Lower Upper

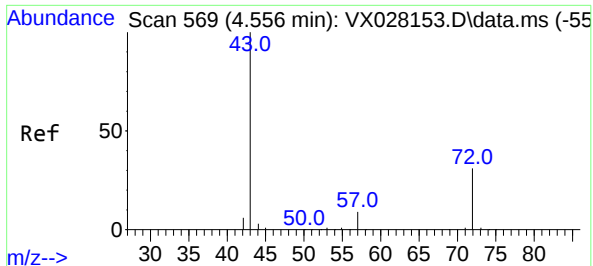
84 100

49 106.6 85.5 128.3

51 32.4 26.6 39.8

86 63.7 51.5 77.3





#25

2-Butanone

Concen: 2.926 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028603.D

Acq: 10 May 2022 18:42

Instrument :

MSVOA_X

ClientSampleId :

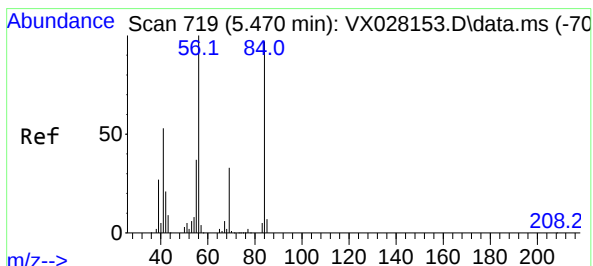
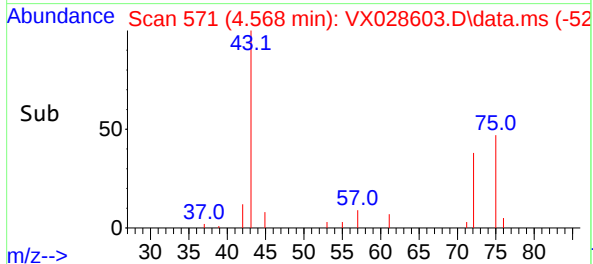
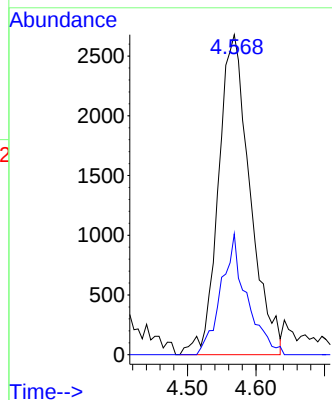
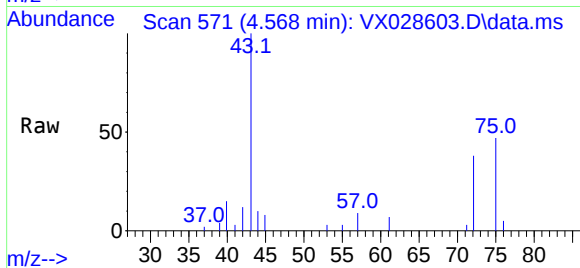
TP-3

Tgt Ion: 43 Resp: 8552

Ion Ratio Lower Upper

43 100

72 37.7 24.4 36.6#



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028603.D

Acq: 10 May 2022 18:42

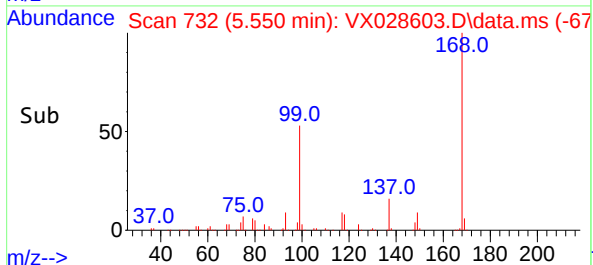
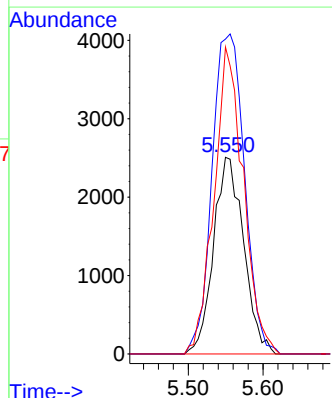
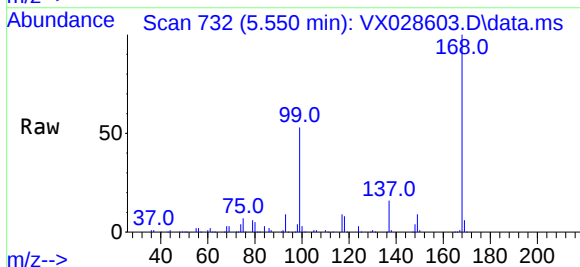
Tgt Ion: 56 Resp: 7023

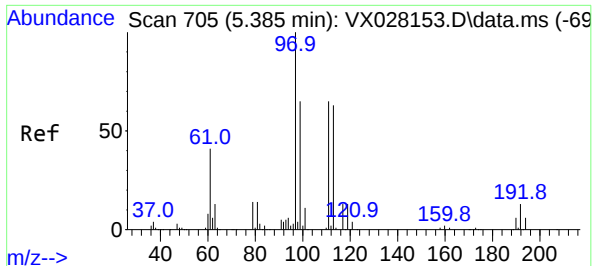
Ion Ratio Lower Upper

56 100

69 160.1 26.7 40.1#

84 156.1 77.2 115.8#

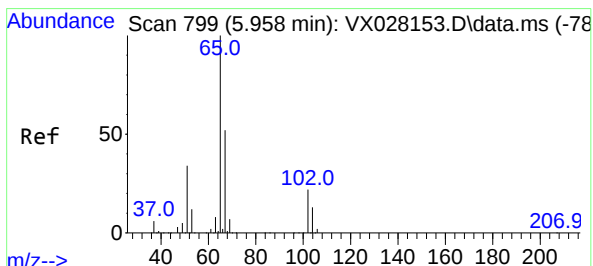
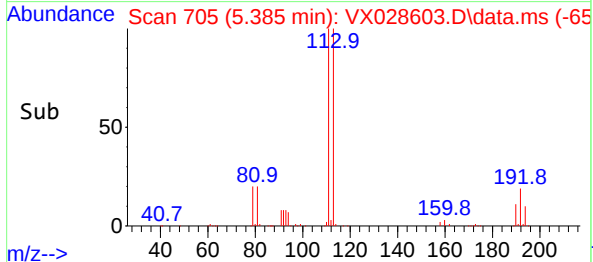
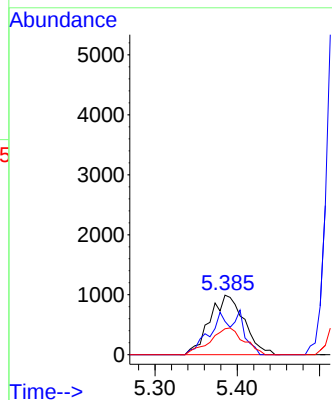
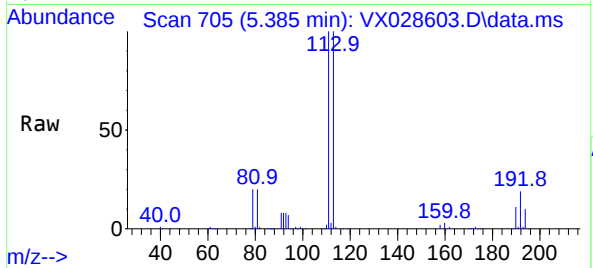




#32
1,1,1-Trichloroethane
Concen: 0.404 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

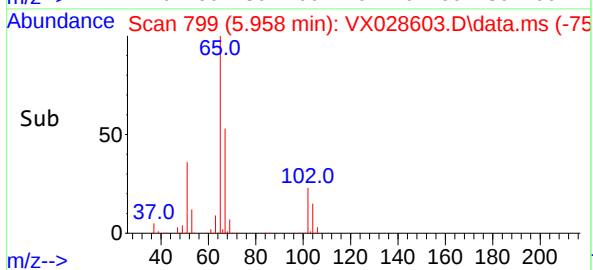
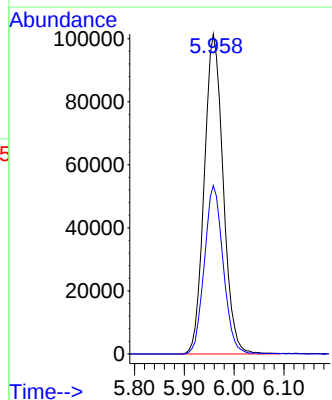
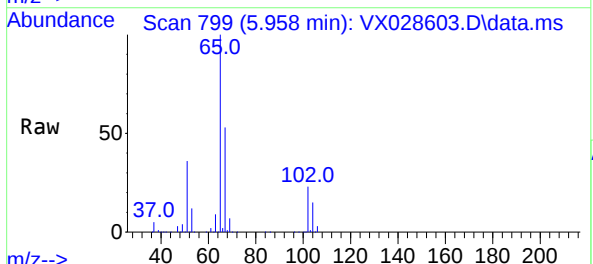
Instrument :
MSVOA_X
ClientSampleId :
TP-3

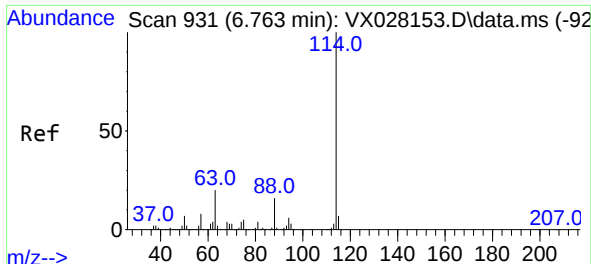
Tgt Ion: 97 Resp: 2886
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 43.7 34.0 51.0



#33
1,2-Dichloroethane-d4
Concen: 54.149 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion: 65 Resp: 267225
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

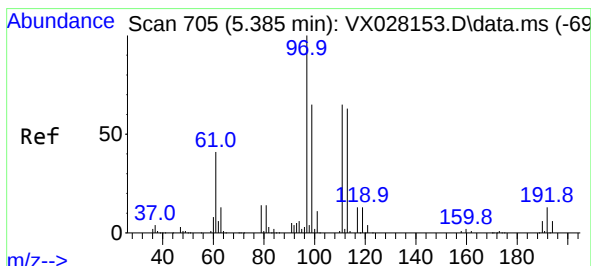
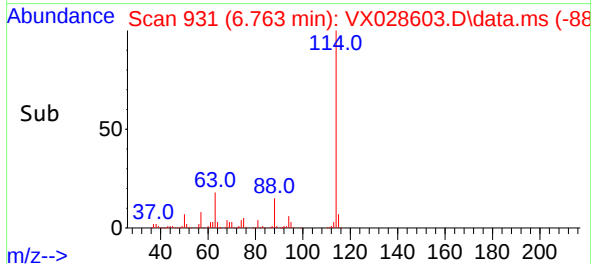
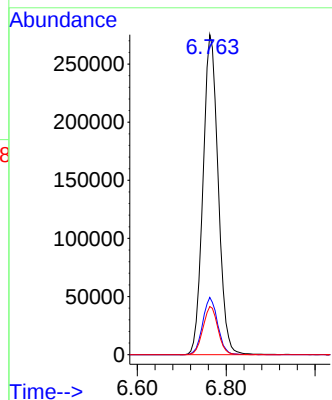
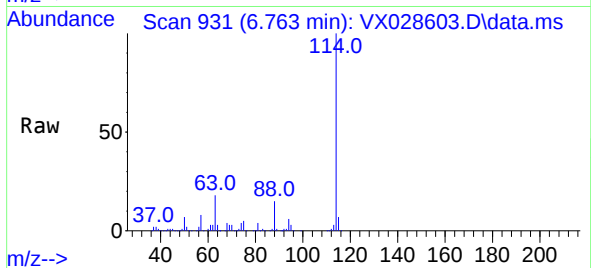




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

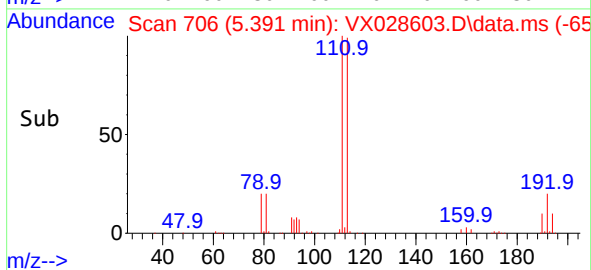
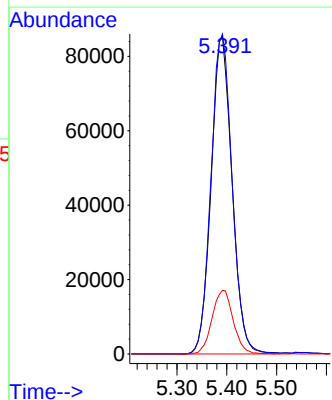
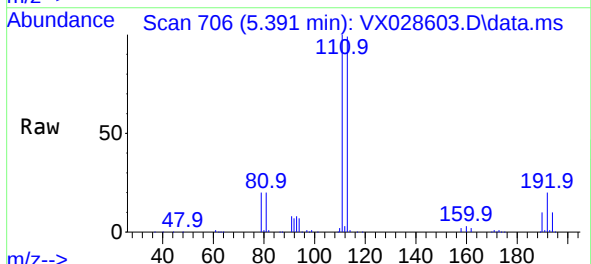
Instrument :
MSVOA_X
ClientSampleId :
TP-3

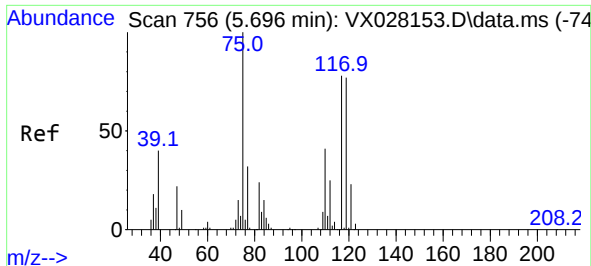
Tgt Ion:114 Resp: 654508
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.111 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion:113 Resp: 248370
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 20.3 16.9 25.3

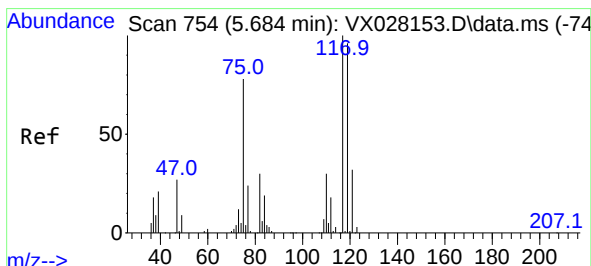
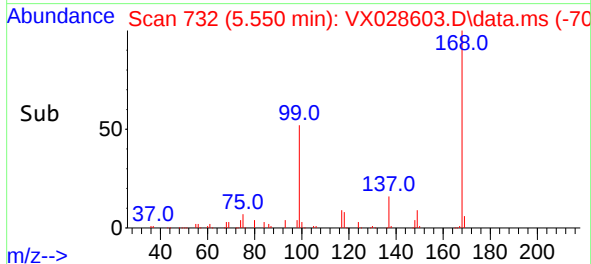
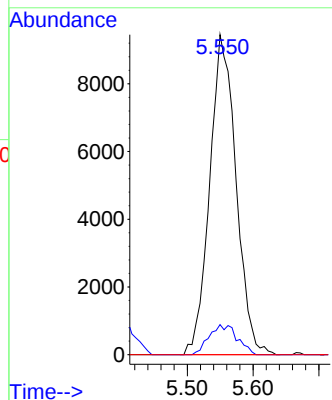
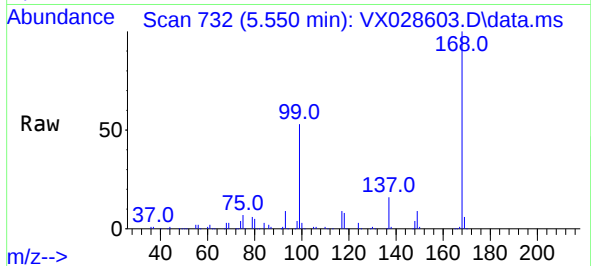




#36
1,1-Dichloropropene
Concen: 4.401 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

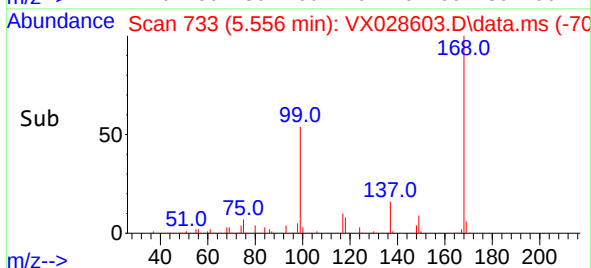
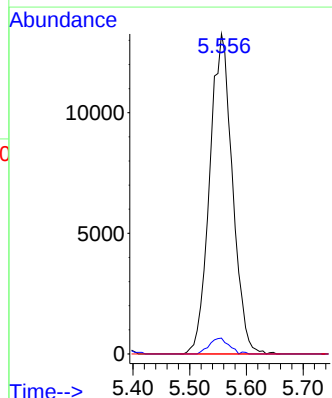
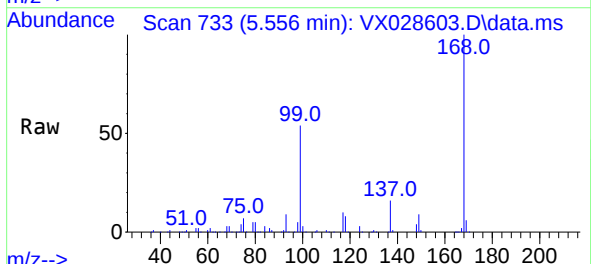
Instrument :
MSVOA_X
ClientSampleId :
TP-3

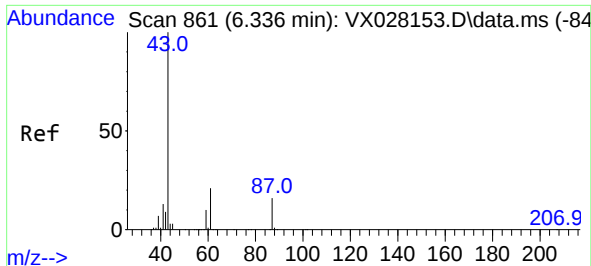
Tgt Ion: 75 Resp: 26347
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.476 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion: 117 Resp: 37014
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#

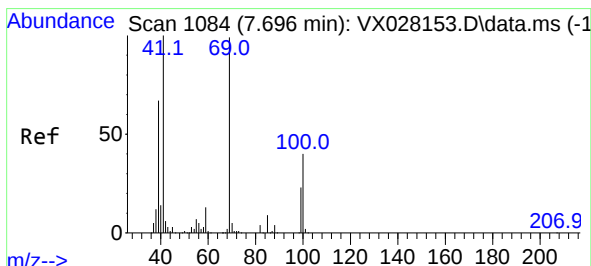
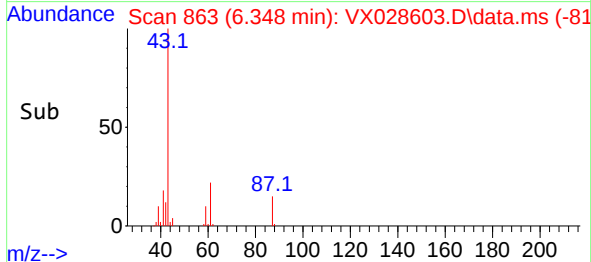
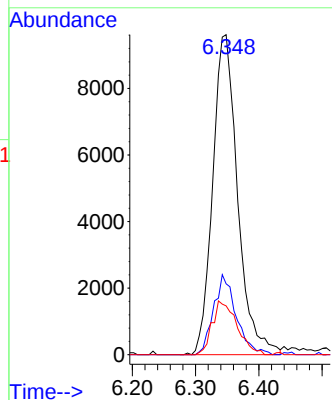
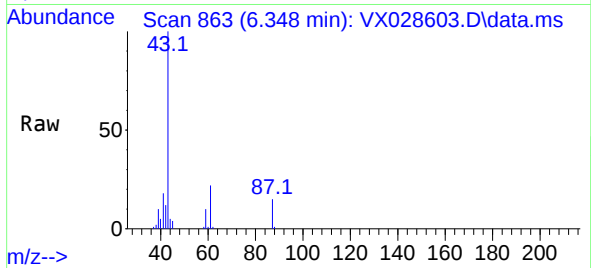




#43
Isopropyl Acetate
Concen: 2.661 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

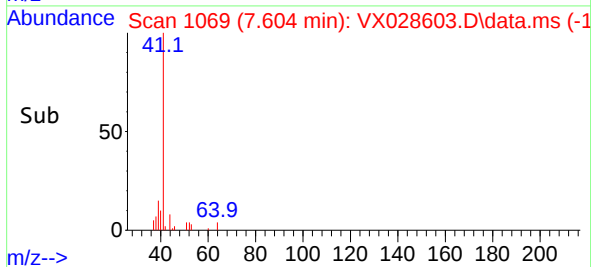
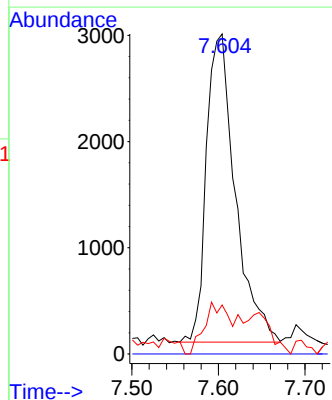
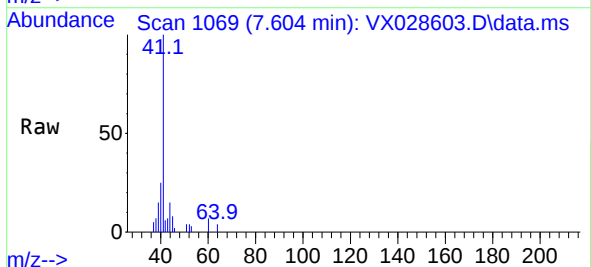
Instrument :
MSVOA_X
ClientSampleId :
TP-3

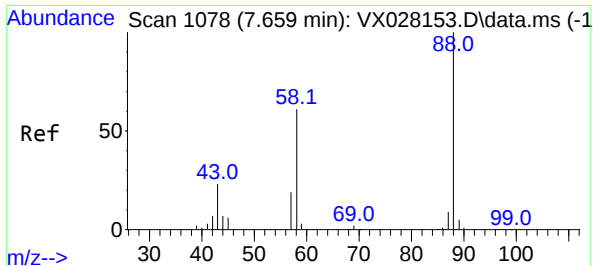
Tgt Ion:	43	Resp:	26315
Ion	Ratio	Lower	Upper
43	100		
61	22.8	18.5	27.7
87	16.7	13.0	19.6



#48
Methyl methacrylate
Concen: 1.479 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion:	41	Resp:	6715
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: 2.915 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX028603.D

Acq: 10 May 2022 18:42

Instrument :

MSVOA_X

ClientSampleId :

TP-3

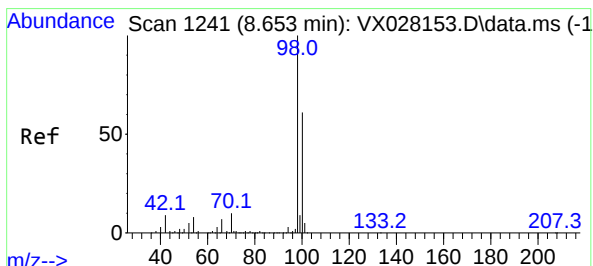
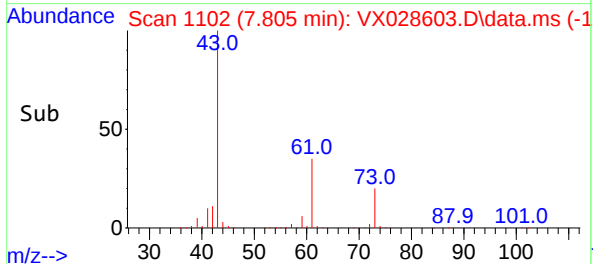
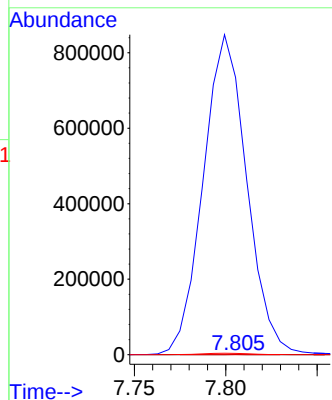
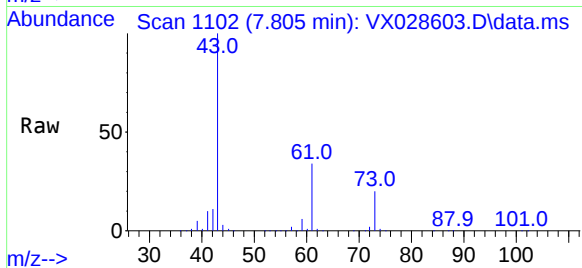
Tgt Ion: 88 Resp: 354

Ion Ratio Lower Upper

88 100

43 399895.8 21.9 32.9#

58 1888.4 53.7 80.5#



#50

Toluene-d8

Concen: 51.633 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028603.D

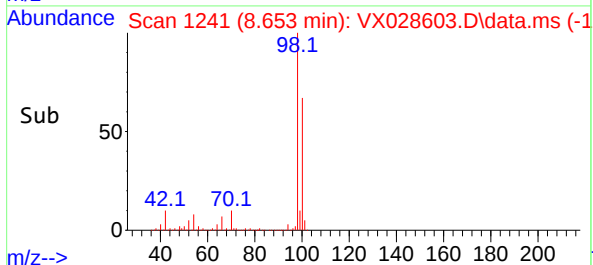
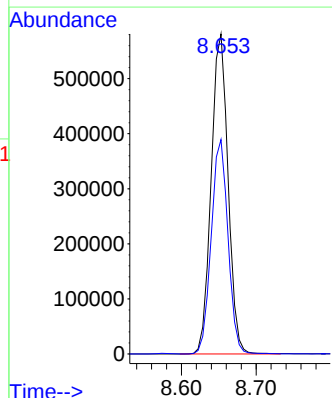
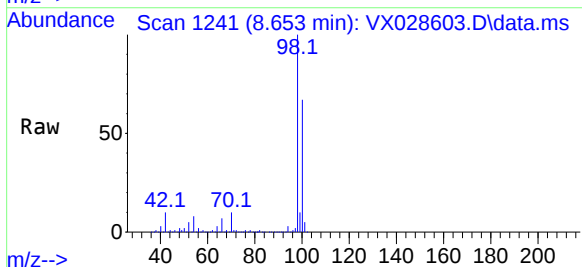
Acq: 10 May 2022 18:42

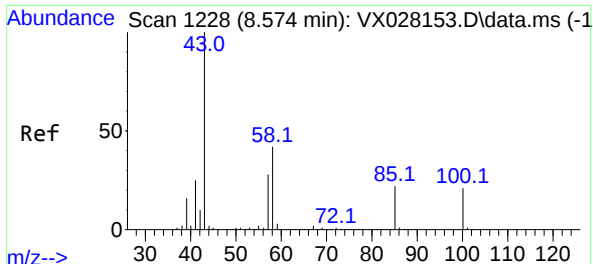
Tgt Ion: 98 Resp: 910262

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8

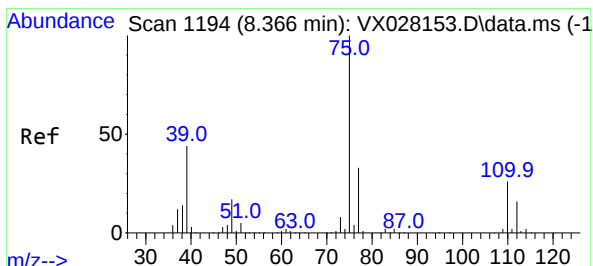
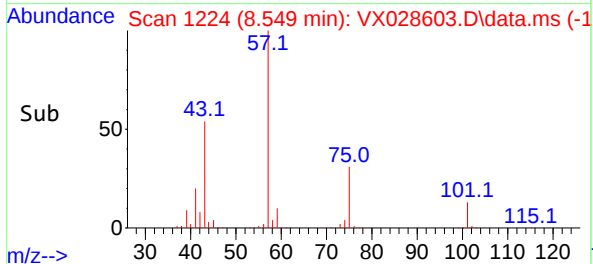
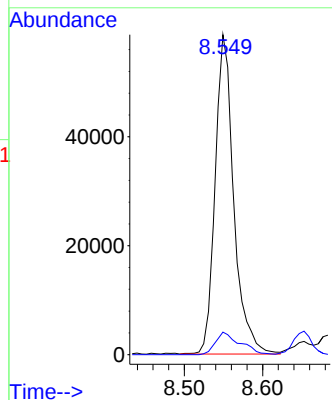
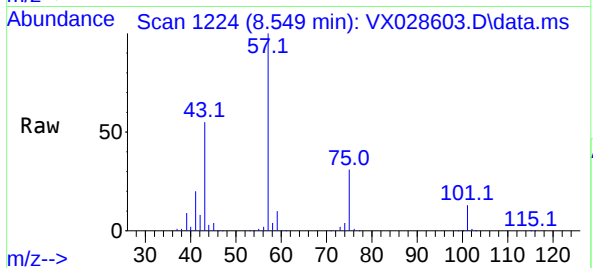




#51
4-Methyl-2-Pentanone
Concen: 15.249 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

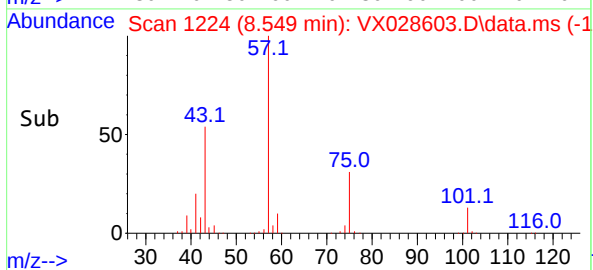
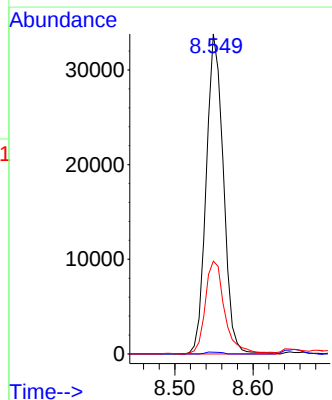
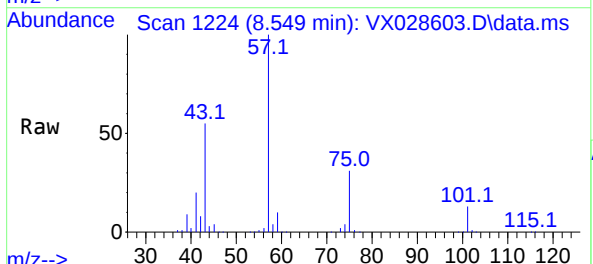
Instrument :
MSVOA_X
ClientSampleId :
TP-3

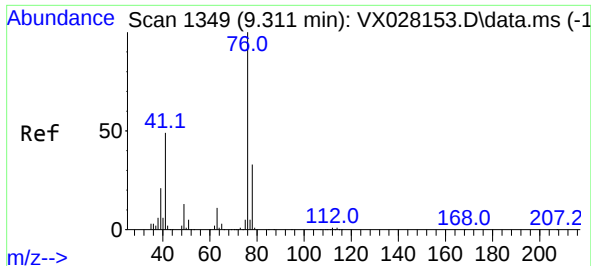
Tgt Ion: 43 Resp: 96755
Ion Ratio Lower Upper
43 100
58 9.4 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 6.963 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion: 75 Resp: 51400
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 29.0 29.6 44.4#

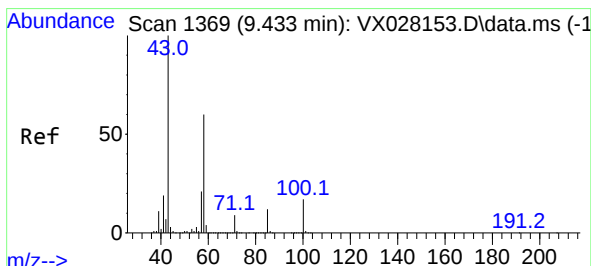
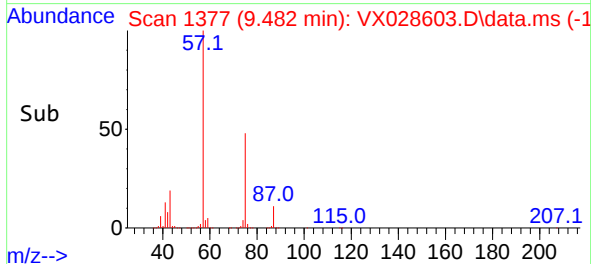
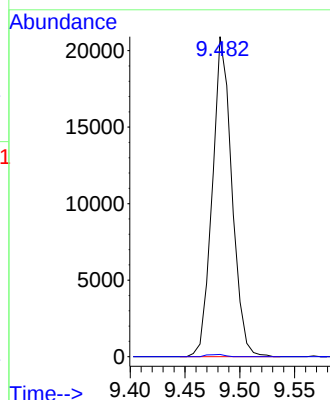
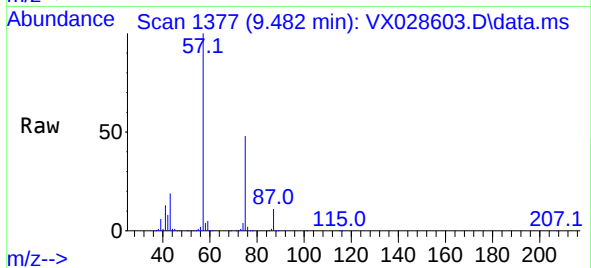




#57
1,3-Dichloropropane
Concen: 3.242 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

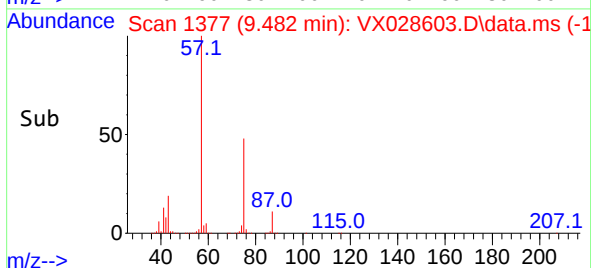
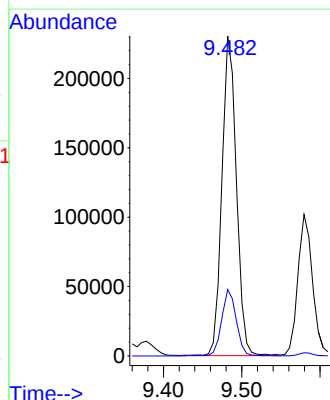
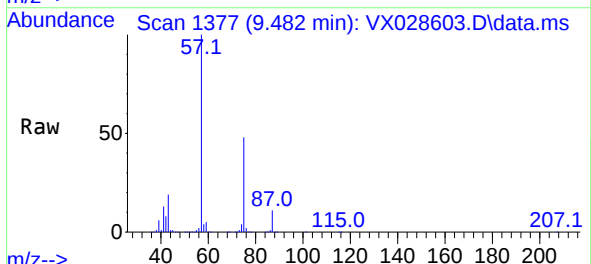
Instrument :
MSVOA_X
ClientSampleId :
TP-3

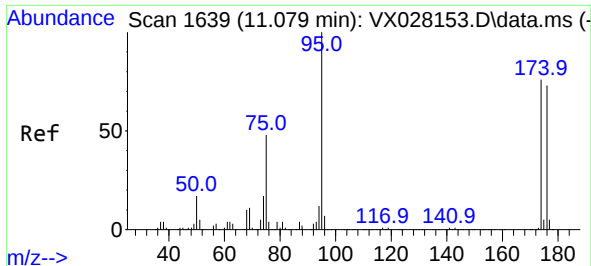
Tgt Ion: 76 Resp: 25889
Ion Ratio Lower Upper
76 100
78 0.6 25.8 38.8#



#59
2-Hexanone
Concen: 60.391 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion: 43 Resp: 296810
Ion Ratio Lower Upper
43 100
58 21.0 31.9 95.7#

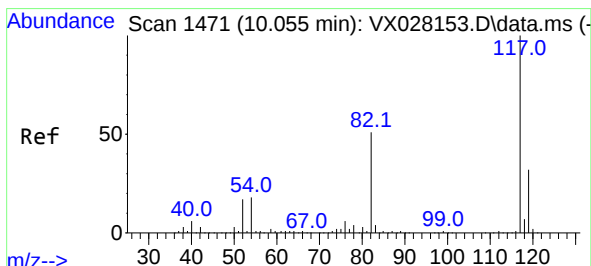
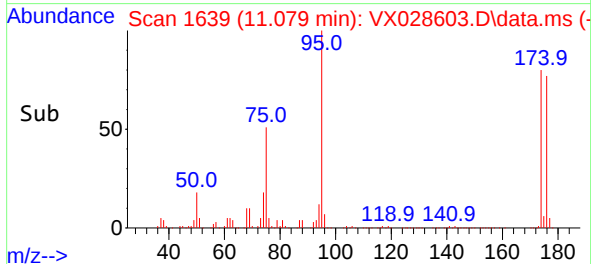
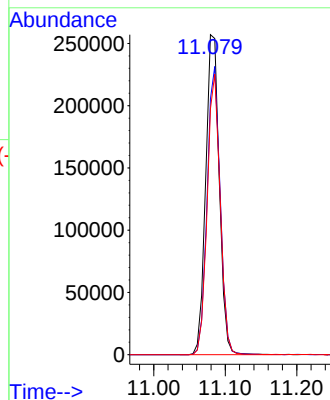
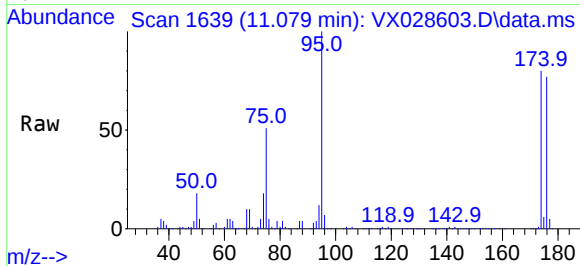




#62
4-Bromofluorobenzene
Concen: 50.520 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

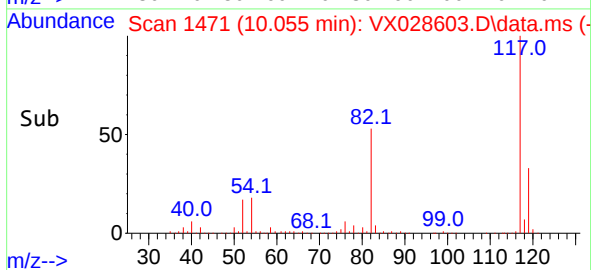
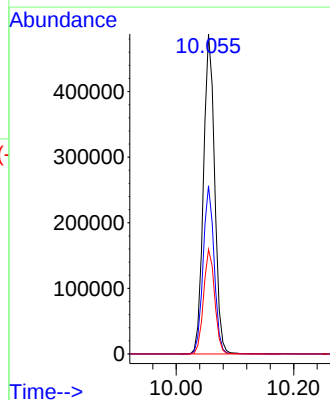
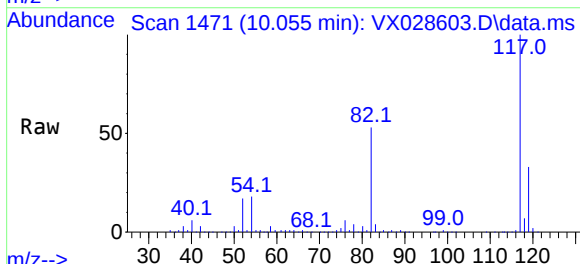
Instrument :
MSVOA_X
ClientSampleId :
TP-3

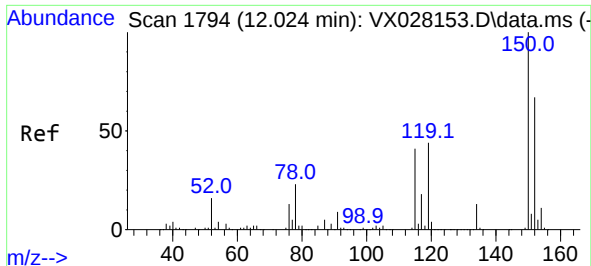
Tgt Ion: 95 Resp: 340541
Ion Ratio Lower Upper
95 100
174 86.4 0.0 163.0
176 83.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion: 117 Resp: 645661
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 32.7 24.8 37.2

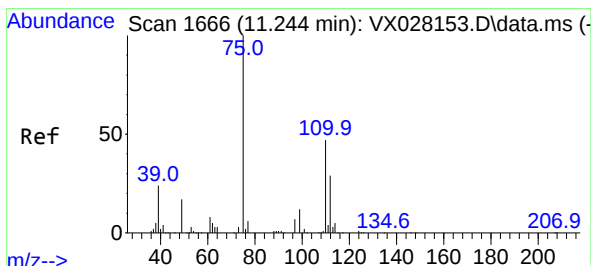
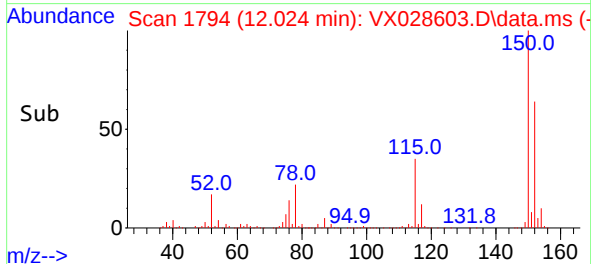
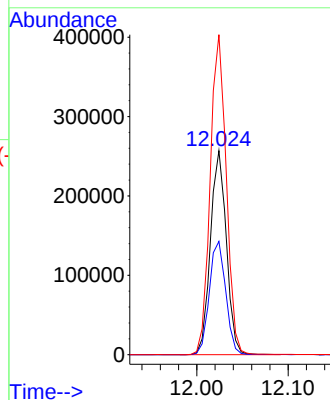
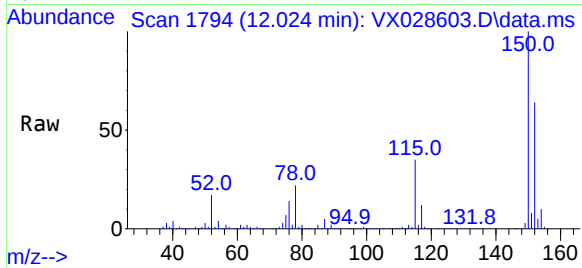




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

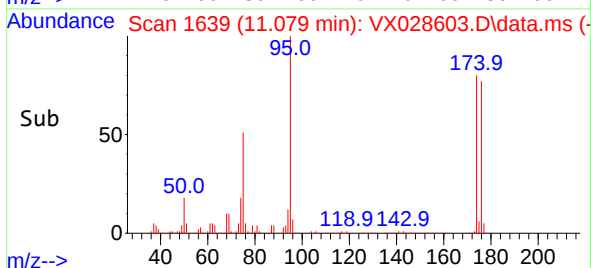
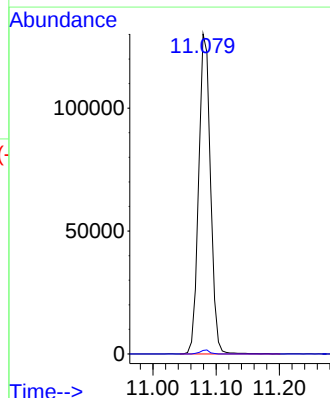
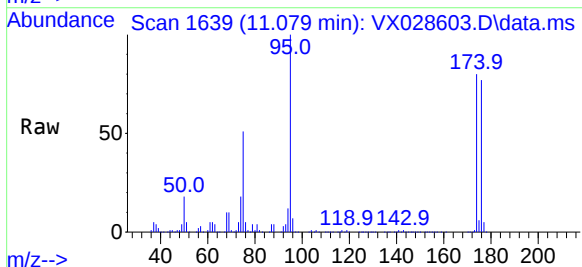
Instrument :
MSVOA_X
ClientSampleId :
TP-3

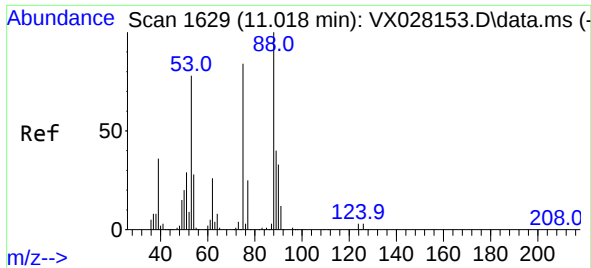
Tgt Ion:152 Resp: 310954
Ion Ratio Lower Upper
152 100
115 57.2 37.5 112.7
150 158.2 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 27.680 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028603.D
Acq: 10 May 2022 18:42

Tgt Ion: 75 Resp: 169393
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.256 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX028603.D
 Acq: 10 May 2022 18:42

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Tgt Ion: 75 Resp: 169393
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

