

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112122\
 Data File : VX032957.D
 Acq On : 21 Nov 2022 17:05
 Operator : JC/MD
 Sample : N5729-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 22 05:12:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

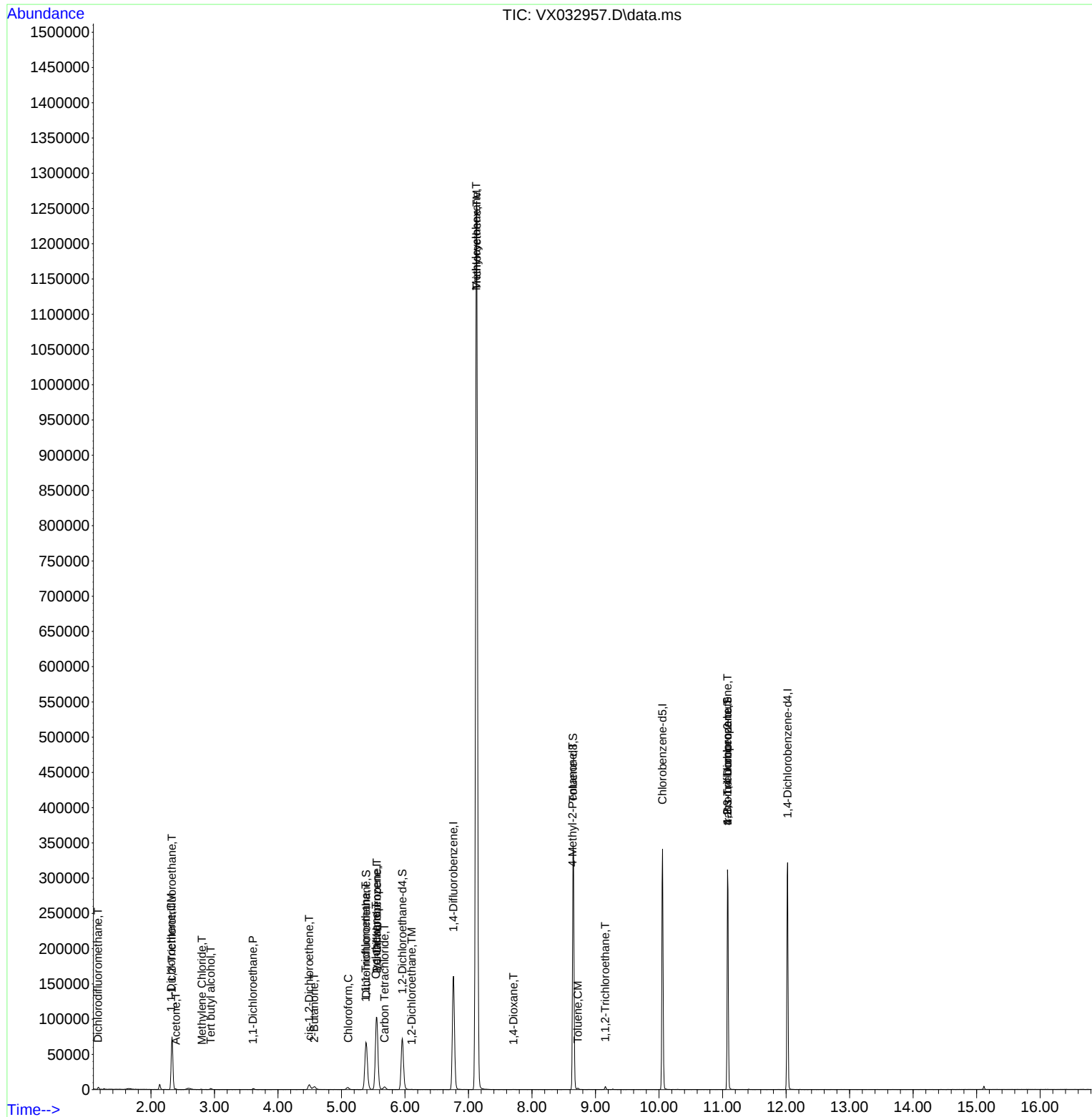
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	98594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	165979	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72815	53.152	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.300%	
35) Dibromofluoromethane	5.385	113	57113	48.240	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.480%	
50) Toluene-d8	8.647	98	209003	50.768	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	11.079	95	78575	48.861	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.720%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1204	1.059	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	26006	24.570	ug/l	98
11) Tert butyl alcohol	2.941	59	989	4.960	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	3783	3.826	ug/l	99
16) Acetone	2.392	43	866	1.739	ug/l #	88
20) Methylene Chloride	2.800	84	297	0.260	ug/l #	63
24) 1,1-Dichloroethane	3.605	63	1762	0.899	ug/l #	82
25) 2-Butanone	4.568	43	263	0.341	ug/l #	47
27) cis-1,2-Dichloroethene	4.489	96	4688	3.768	ug/l	90
30) Chloroform	5.105	83	3816	1.773	ug/l	87
31) Cyclohexane	5.544	56	2158	1.299	ug/l #	33
32) 1,1,1-Trichloroethane	5.379	97	543	0.281	ug/l #	40
36) 1,1-Dichloropropene	5.556	75	7633	4.630	ug/l #	50
38) Carbon Tetrachloride	5.678	117	3380	1.848	ug/l	88
39) Methylcyclohexane	7.123	83	5733	2.939	ug/l #	1
42) 1,2-Dichloroethane	6.105	62	529	0.277	ug/l #	77
44) Trichloroethene	7.129	130	485376	369.561	ug/l	99
49) 1,4-Dioxane	7.708	88	240	9.254	ug/l #	26
51) 4-Methyl-2-Pentanone	8.641	43	905	0.545	ug/l #	1
52) Toluene	8.720	92	738	0.242	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	1217	0.949	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	41769	27.531	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41769	87.605	ug/l #	6

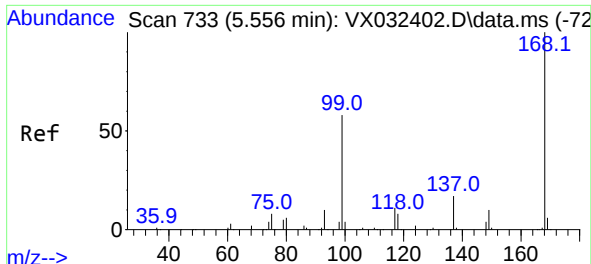
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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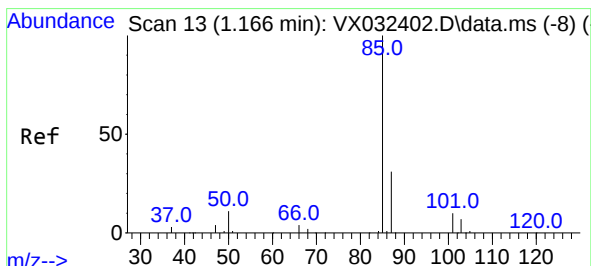
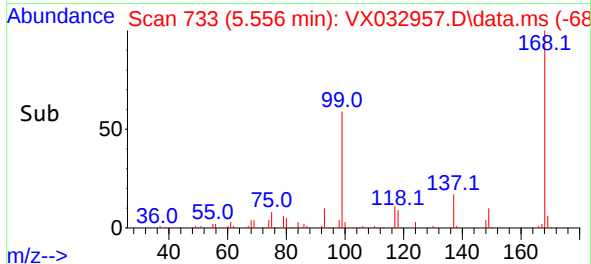
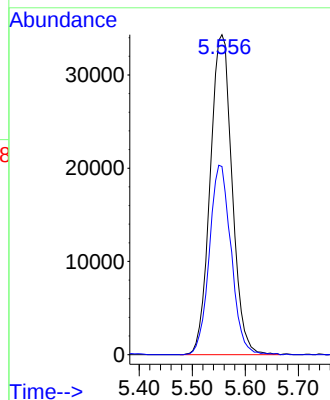
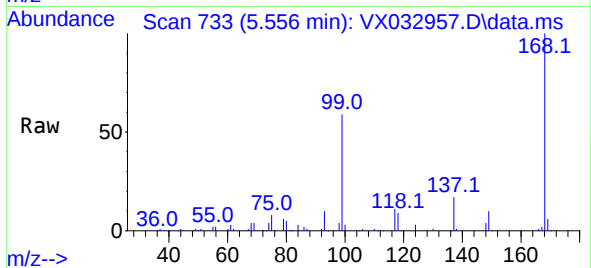




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

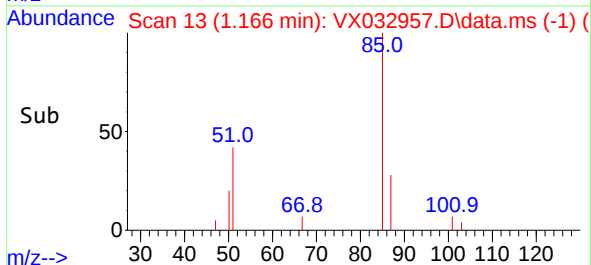
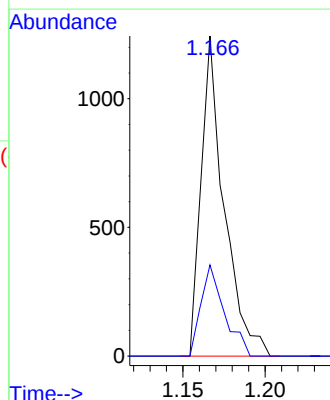
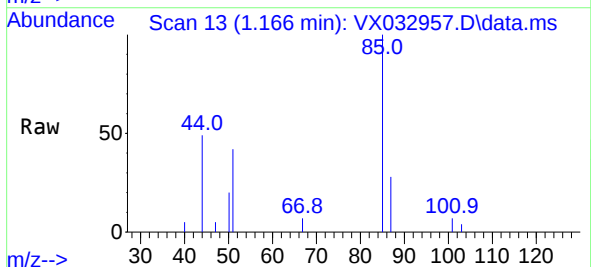
Instrument :
MSVOA_X
ClientSampleId :

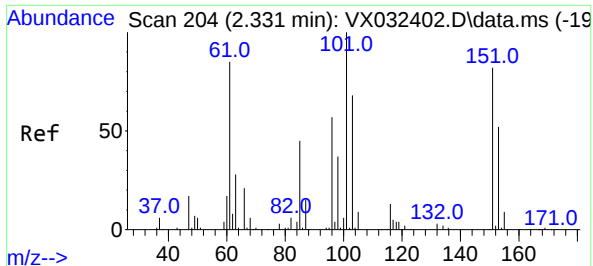
Tgt Ion:168 Resp: 98594
Ion Ratio Lower Upper
168 100
99 58.8 46.1 69.1



#2
Dichlorodifluoromethane
Concen: 1.059 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

Tgt Ion: 85 Resp: 1204
Ion Ratio Lower Upper
85 100
87 28.5 15.6 46.7

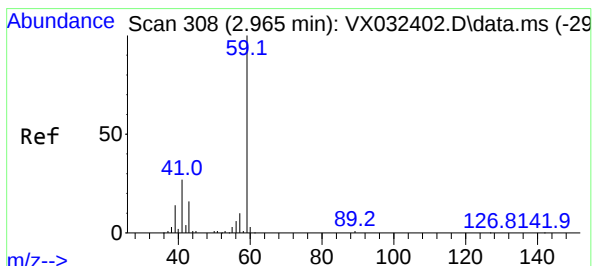
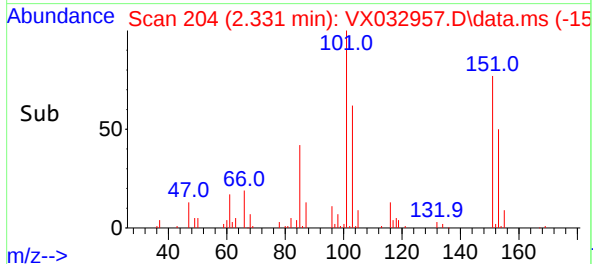
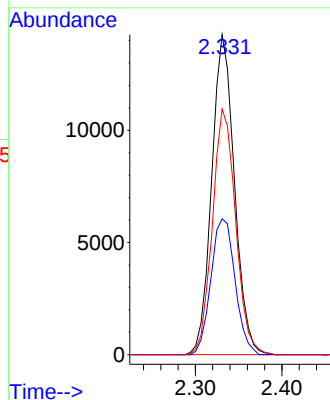
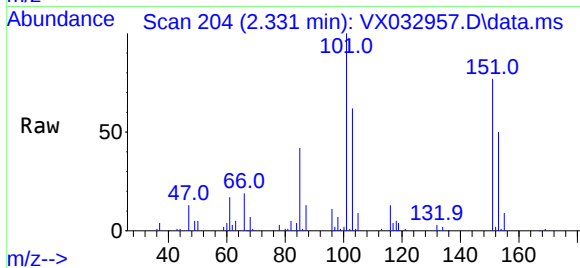




#9
1,1,2-Trichlorotrifluoroethane
Concen: 24.570 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

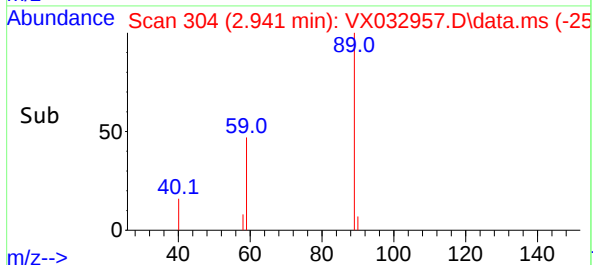
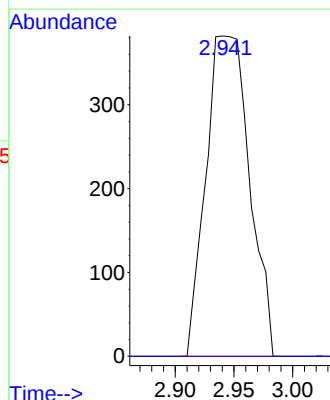
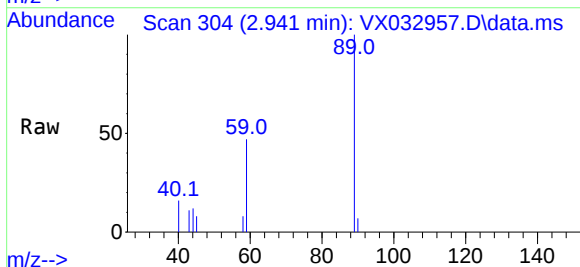
Instrument :
MSVOA_X
ClientSampleId :

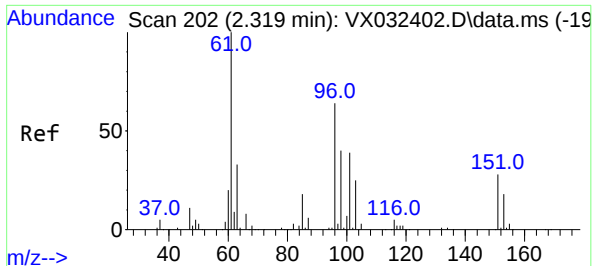
Tgt Ion:101 Resp: 26006
Ion Ratio Lower Upper
101 100
85 45.1 37.0 55.4
151 78.6 64.4 96.6



#11
Tert butyl alcohol
Concen: 4.960 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

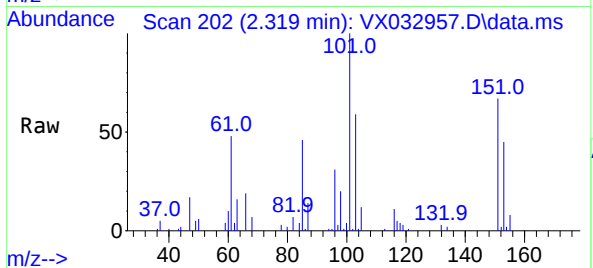
Tgt Ion: 59 Resp: 989
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



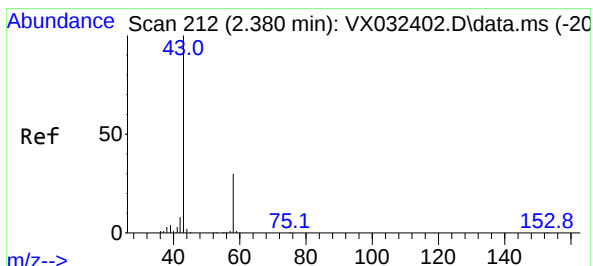
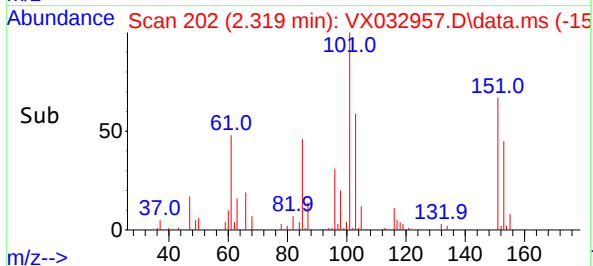
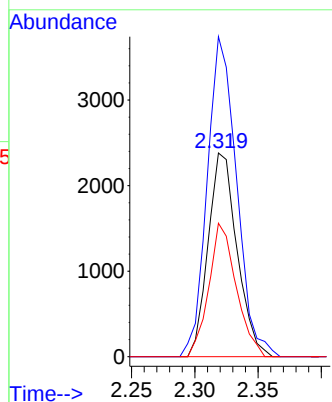


#12
1,1-Dichloroethene
Concen: 3.826 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

Instrument :
MSVOA_X
ClientSampleId :

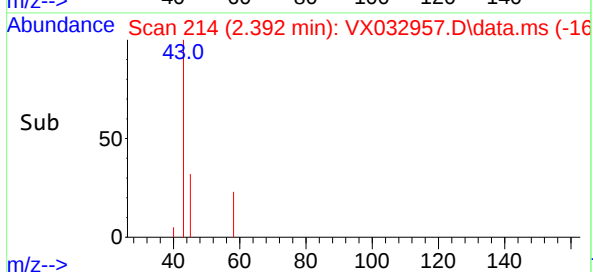
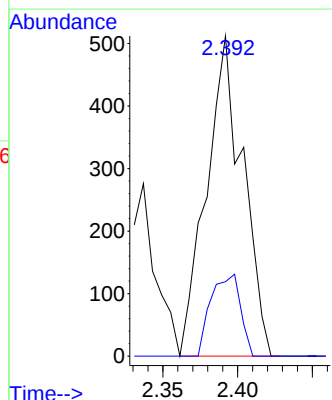
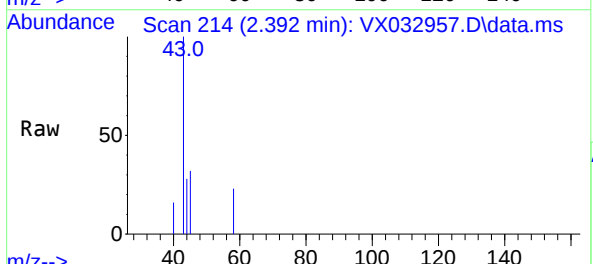


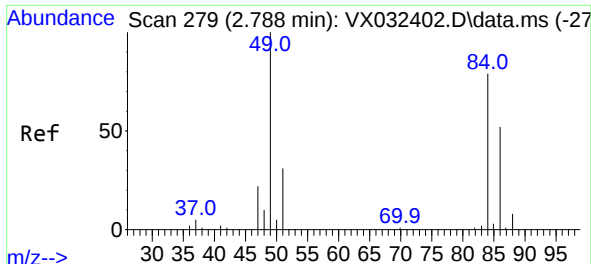
Tgt Ion: 96 Resp: 3783
Ion Ratio Lower Upper
96 100
61 157.1 125.1 187.7
98 65.6 50.6 76.0



#16
Acetone
Concen: 1.739 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 23.2 23.8 35.8#





#20

Methylene Chloride

Concen: 0.260 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

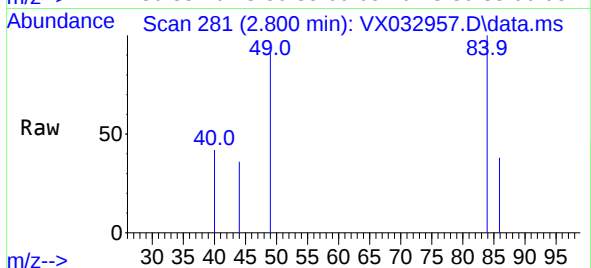
Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 297

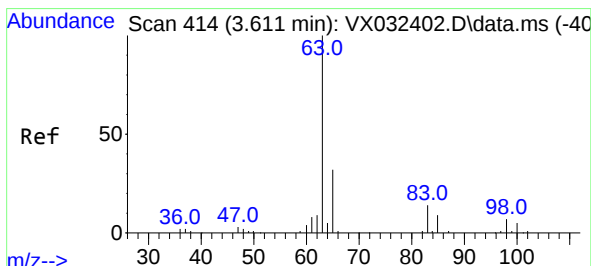
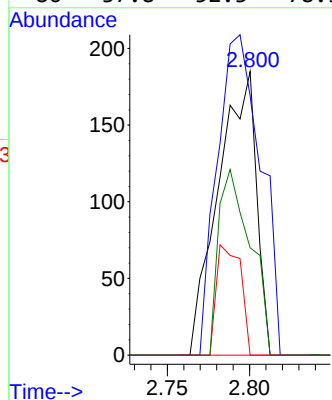
Ion Ratio Lower Upper

84 100

49 91.4 101.0 151.6#

51 0.0 31.1 46.7#

86 37.8 52.3 78.5#



#24

1,1-Dichloroethane

Concen: 0.899 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.006 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

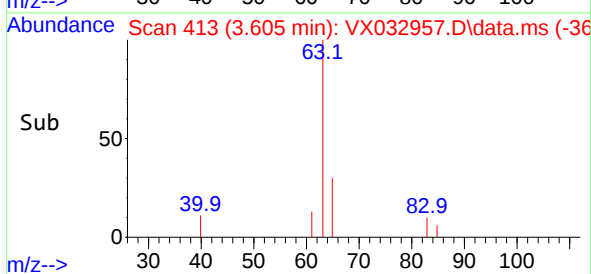
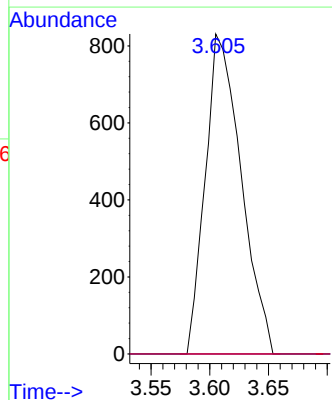
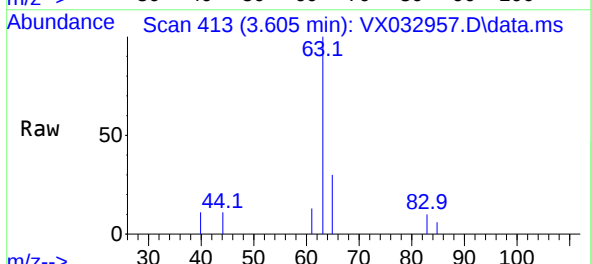
Tgt Ion: 63 Resp: 1762

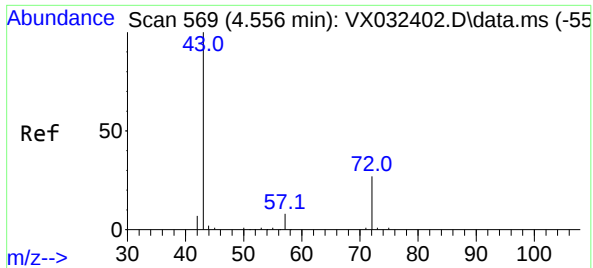
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.3 6.8#





#25

2-Butanone

Concen: 0.341 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

Instrument :

MSVOA_X

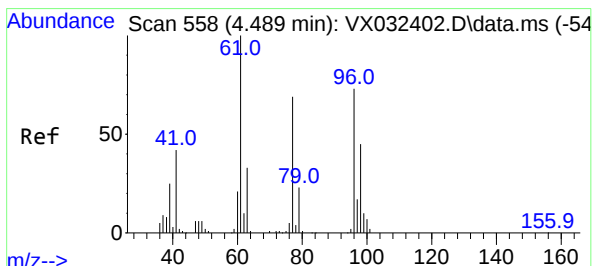
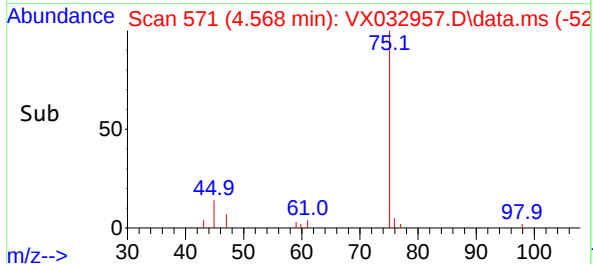
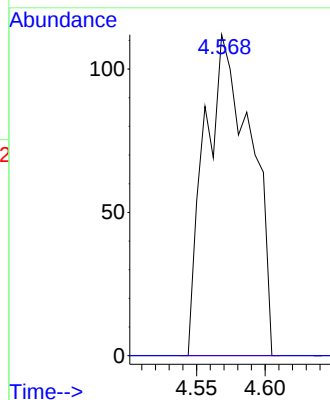
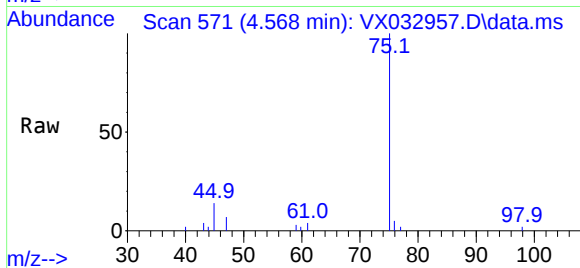
ClientSampleId :

Tgt Ion: 43 Resp: 263

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#27

cis-1,2-Dichloroethene

Concen: 3.768 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

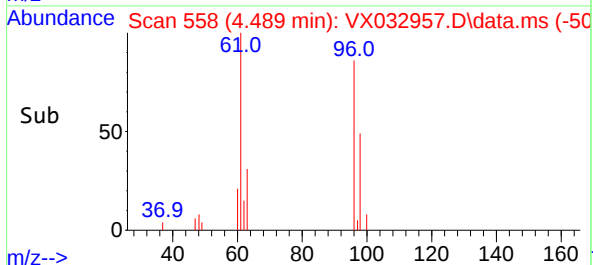
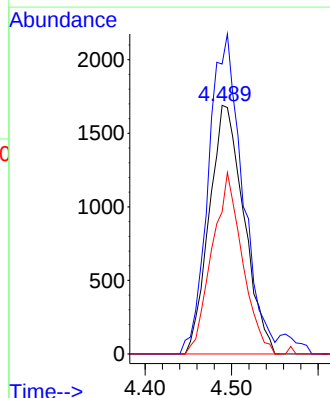
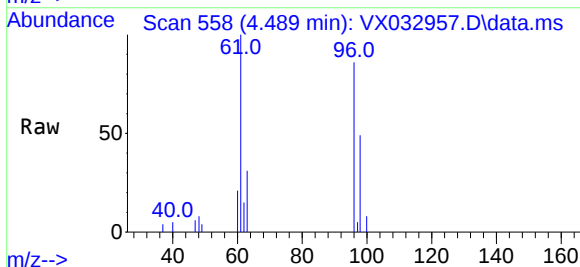
Tgt Ion: 96 Resp: 4688

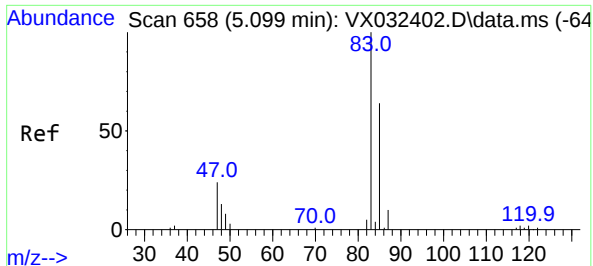
Ion Ratio Lower Upper

96 100

61 126.5 0.0 286.0

98 64.0 0.0 129.6





#30

Chloroform

Concen: 1.773 ug/l

RT: 5.105 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

Instrument :

MSVOA_X

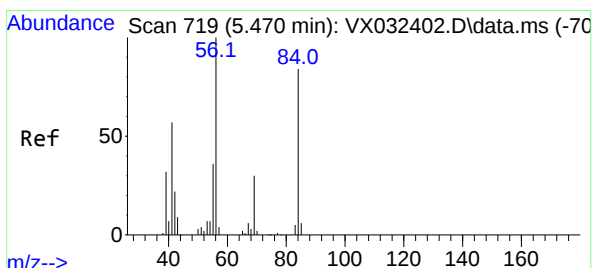
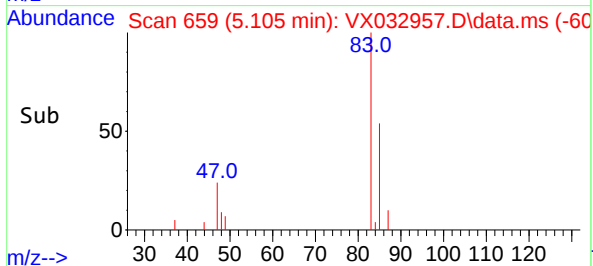
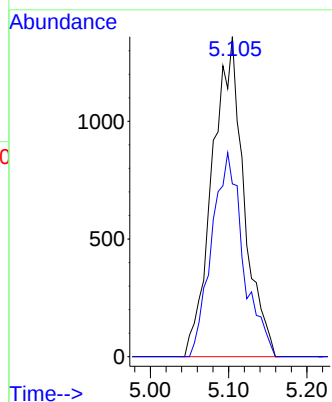
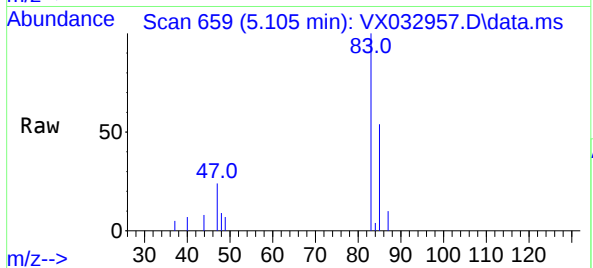
ClientSampleId :

Tgt Ion: 83 Resp: 3816

Ion Ratio Lower Upper

83 100

85 54.0 51.1 76.7



#31

Cyclohexane

Concen: 1.299 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

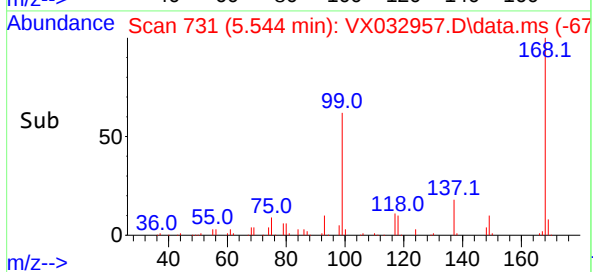
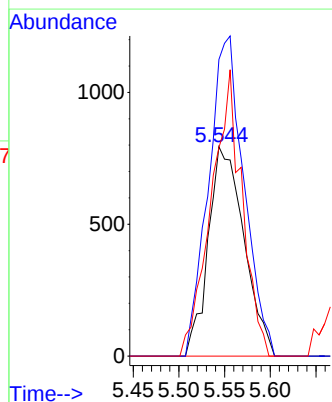
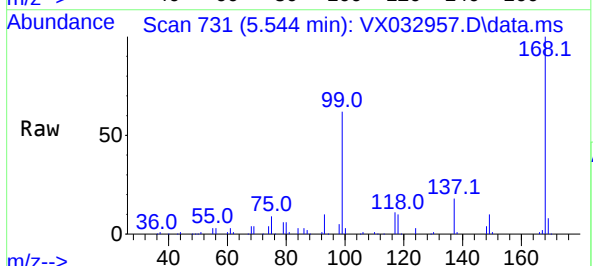
Tgt Ion: 56 Resp: 2158

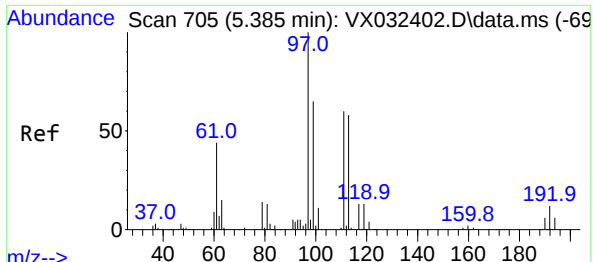
Ion Ratio Lower Upper

56 100

69 141.7 24.1 36.1#

84 99.6 66.9 100.3





#32

1,1,1-Trichloroethane

Concen: 0.281 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

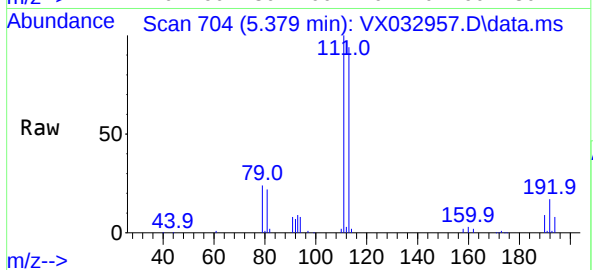
Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

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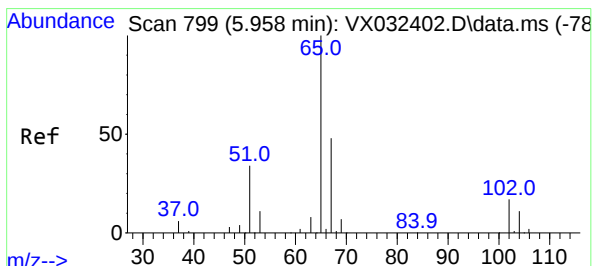
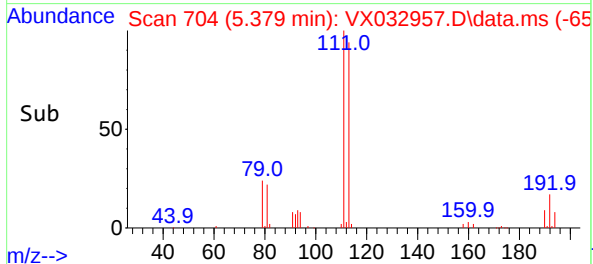
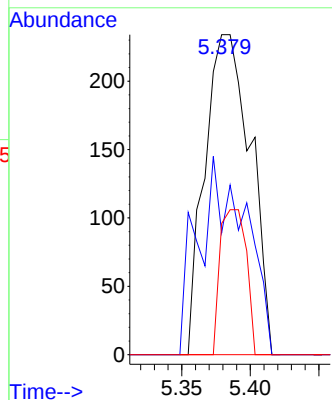
Tgt Ion: 97 Resp: 543

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 25.8 35.2 52.8#



#33

1,2-Dichloroethane-d4

Concen: 53.152 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032957.D

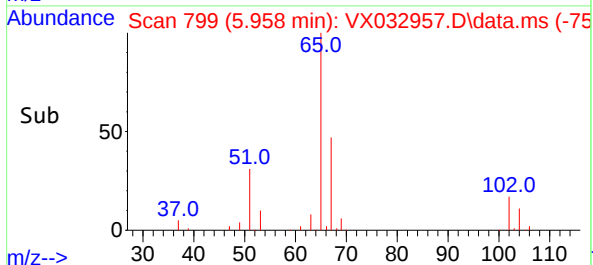
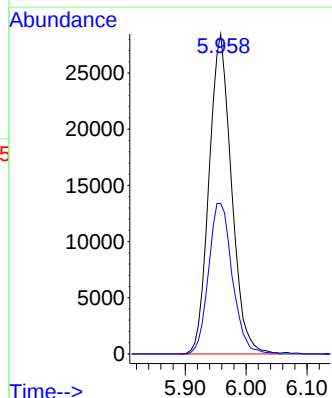
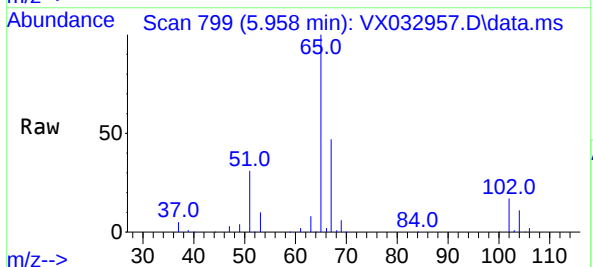
Acq: 21 Nov 2022 17:05

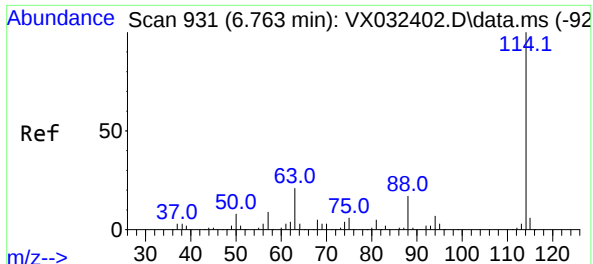
Tgt Ion: 65 Resp: 72815

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

Instrument :

MSVOA_X

ClientSampleId :

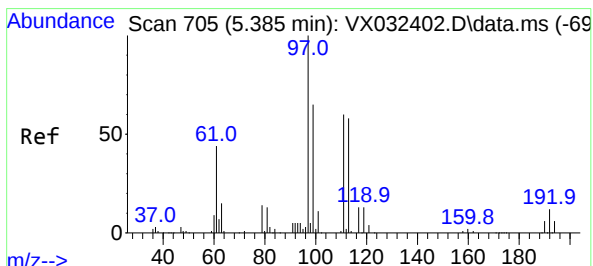
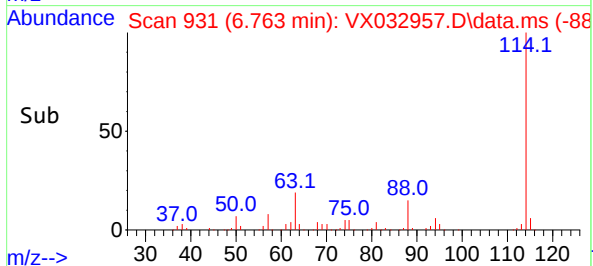
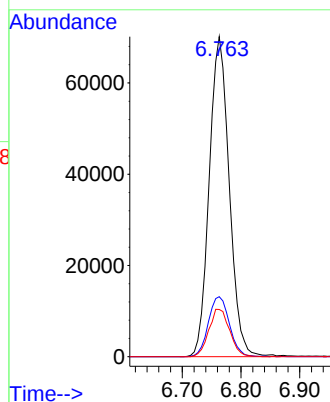
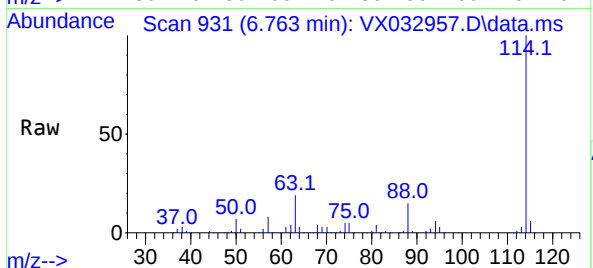
Tgt Ion:114 Resp: 165979

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

88 14.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.240 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

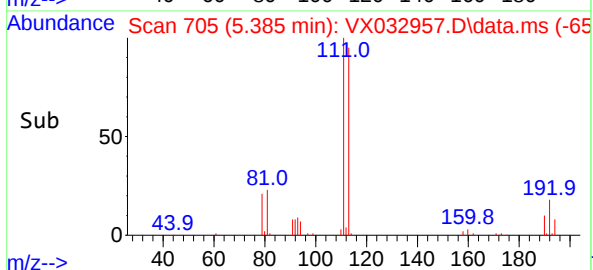
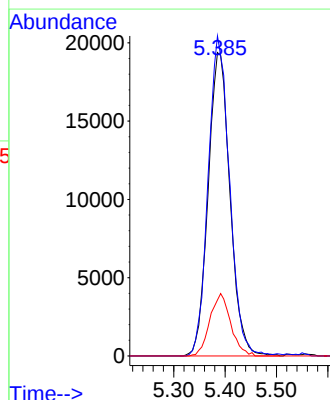
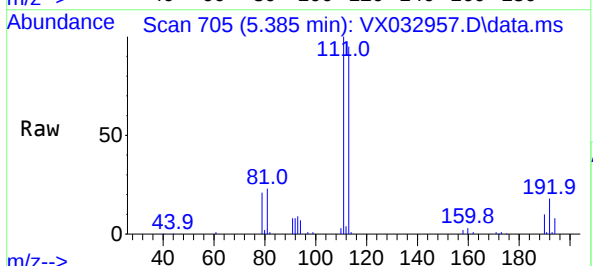
Tgt Ion:113 Resp: 57113

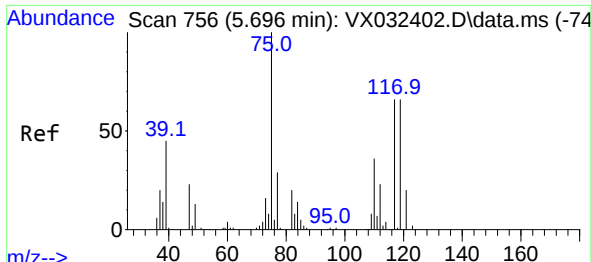
Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

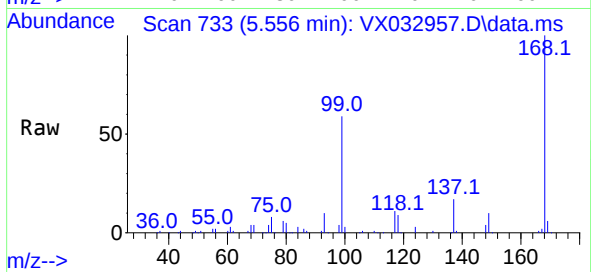
192 19.6 15.4 23.2



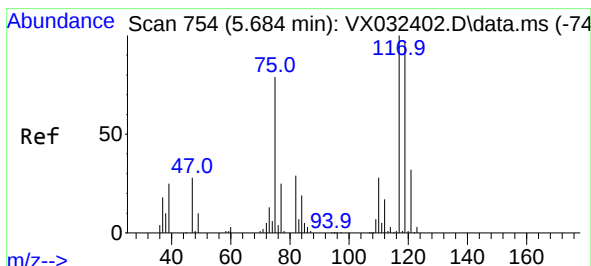
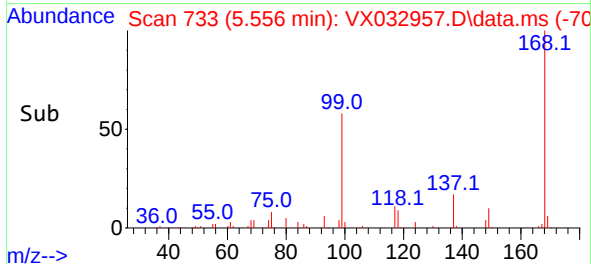
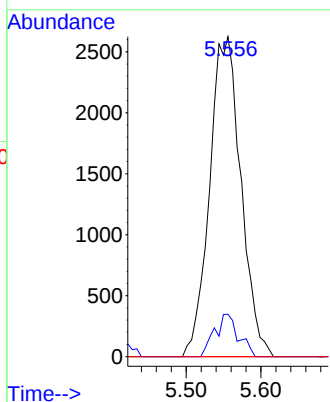


#36
1,1-Dichloropropene
Concen: 4.630 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

Instrument :
MSVOA_X
ClientSampleId :

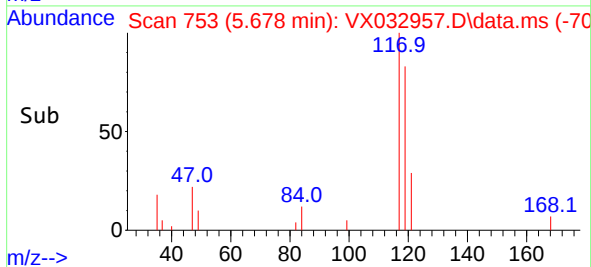
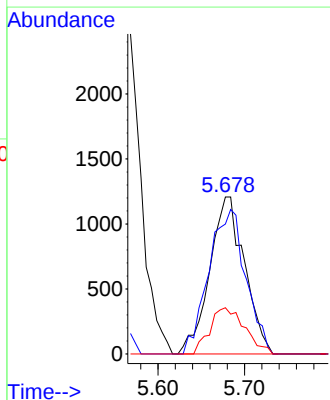
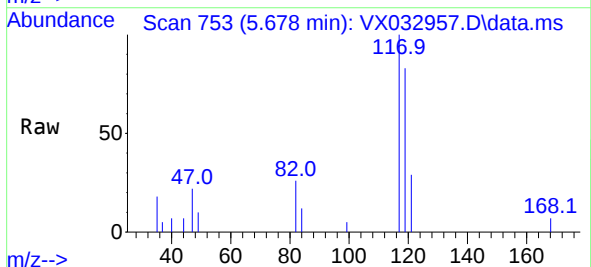


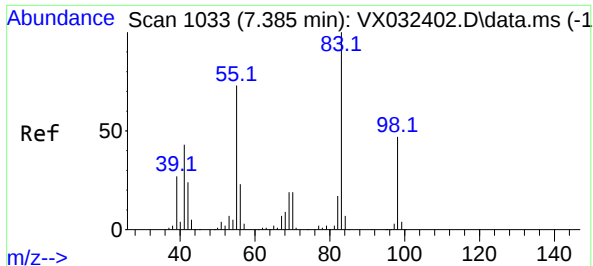
Tgt Ion: 75 Resp: 7633
Ion Ratio Lower Upper
75 100
110 10.1 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 1.848 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

Tgt Ion: 117 Resp: 3380
Ion Ratio Lower Upper
117 100
119 82.8 77.2 115.8
121 29.5 25.8 38.6





#39

Methylcyclohexane

Concen: 2.939 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

Instrument :

MSVOA_X

ClientSampleId :

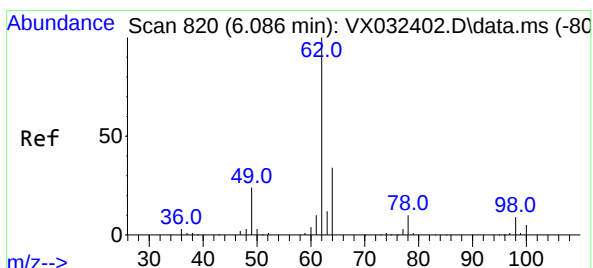
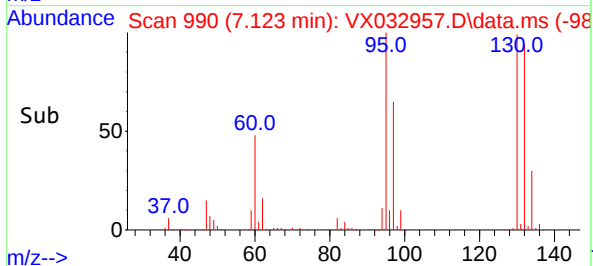
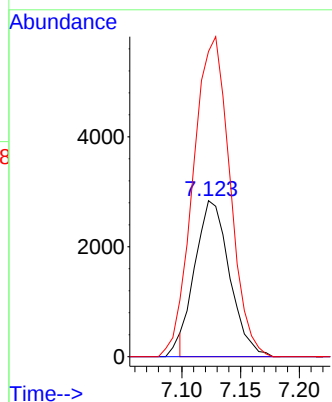
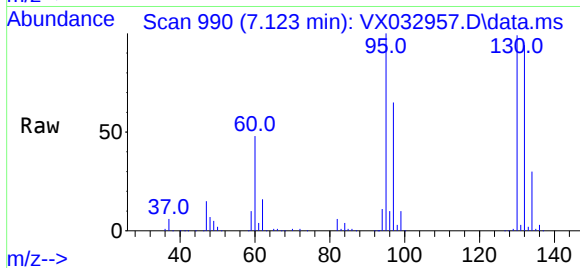
Tgt Ion: 83 Resp: 5733

Ion Ratio Lower Upper

83 100

55 0.0 58.4 87.6#

98 195.7 37.2 55.8#



#42

1,2-Dichloroethane

Concen: 0.277 ug/l

RT: 6.105 min Scan# 823

Delta R.T. 0.018 min

Lab File: VX032957.D

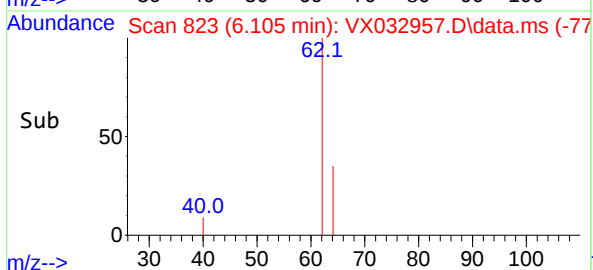
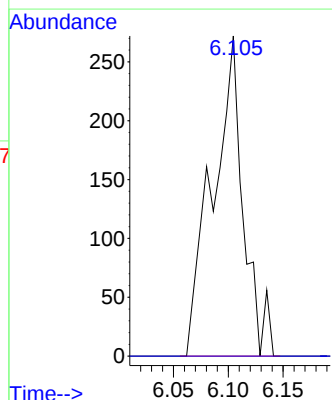
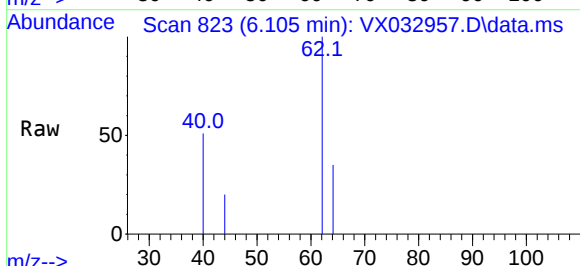
Acq: 21 Nov 2022 17:05

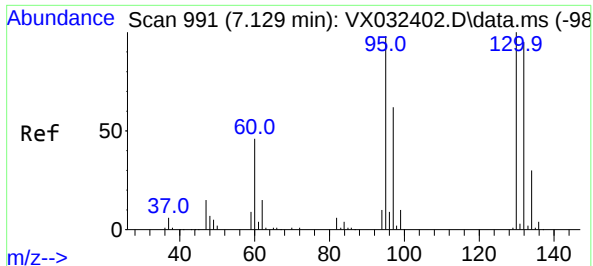
Tgt Ion: 62 Resp: 529

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0

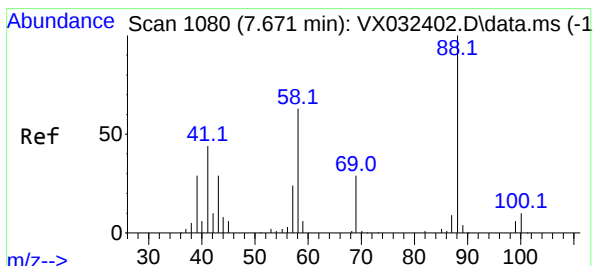
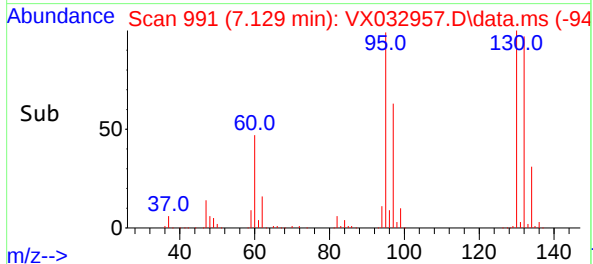
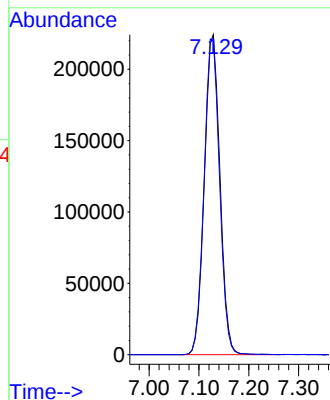
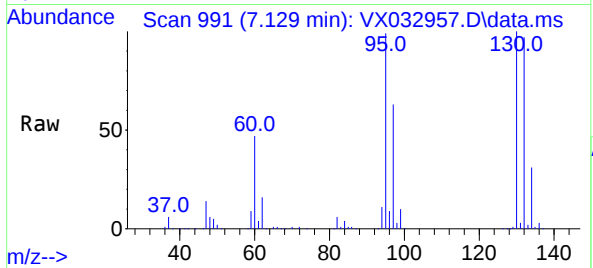




#44
Trichloroethene
Concen: 369.561 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

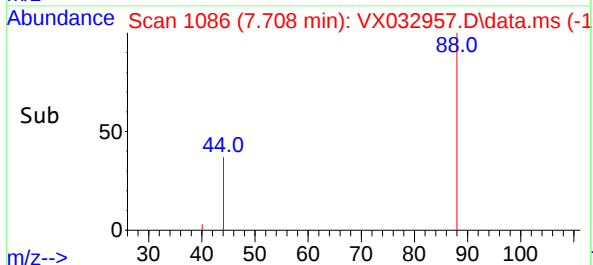
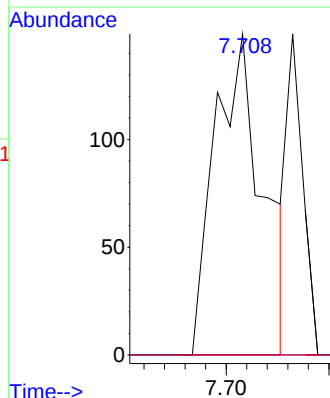
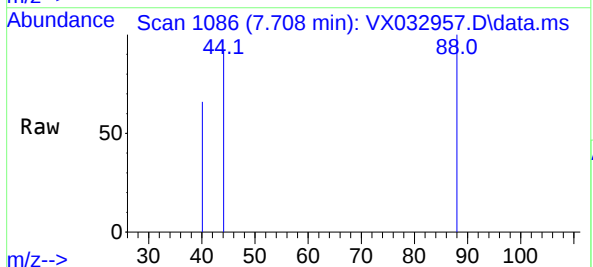
Instrument :
MSVOA_X
ClientSampleId :

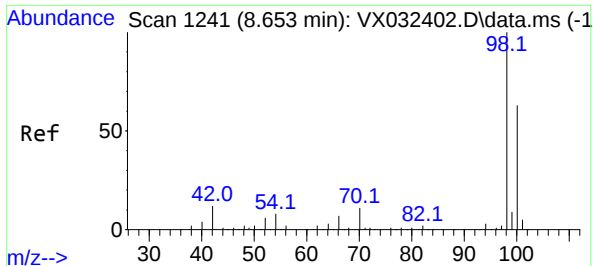
Tgt Ion:130 Resp: 485376
Ion Ratio Lower Upper
130 100
95 98.6 0.0 195.2



#49
1,4-Dioxane
Concen: 9.254 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.037 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 0.0 51.7 77.5#





#50

Toluene-d8

Concen: 50.768 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

Instrument :

MSVOA_X

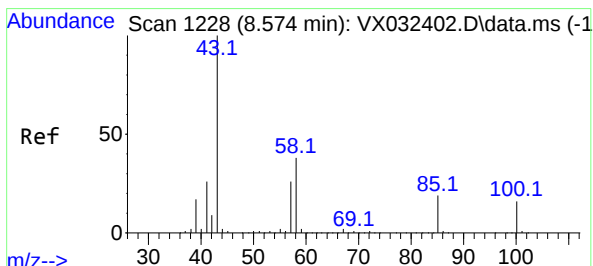
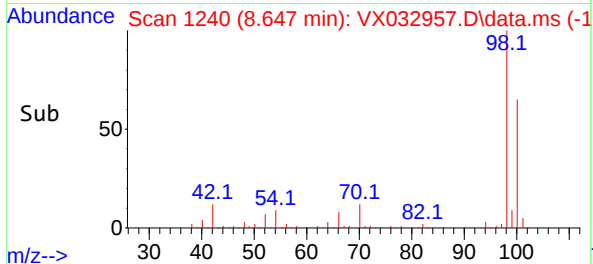
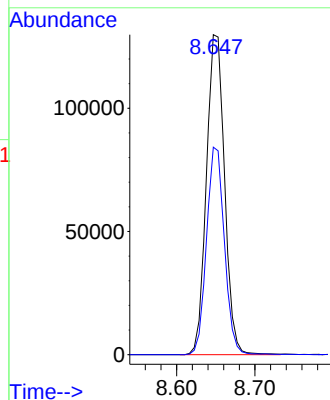
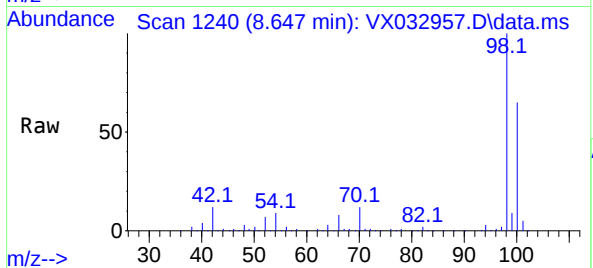
ClientSampleId :

Tgt Ion: 98 Resp: 209003

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.545 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX032957.D

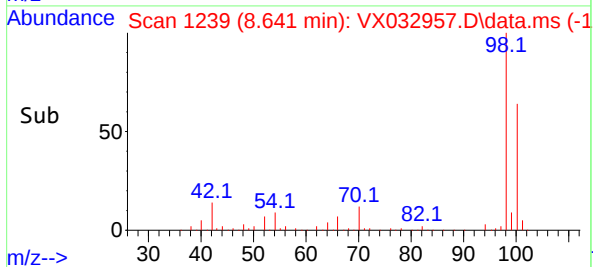
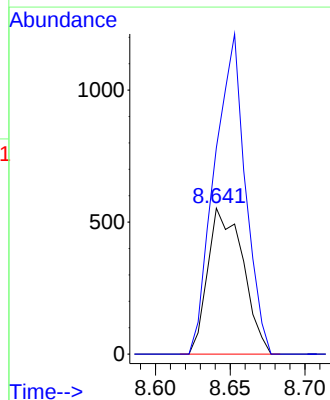
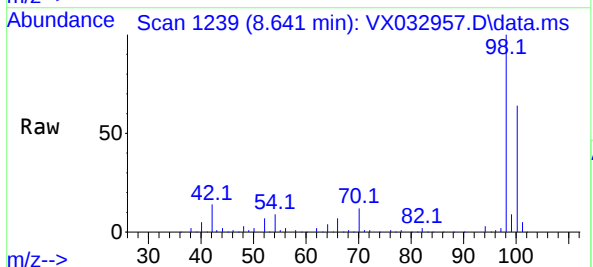
Acq: 21 Nov 2022 17:05

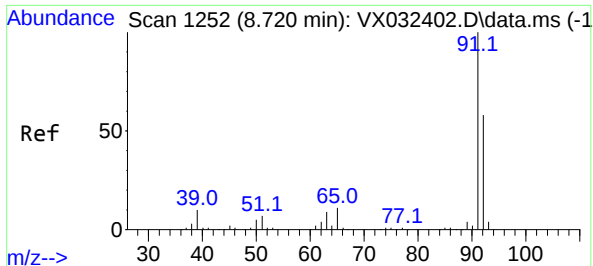
Tgt Ion: 43 Resp: 905

Ion Ratio Lower Upper

43 100

58 192.8 30.9 46.3#





#52

Toluene

Concen: 0.242 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

Instrument :

MSVOA_X

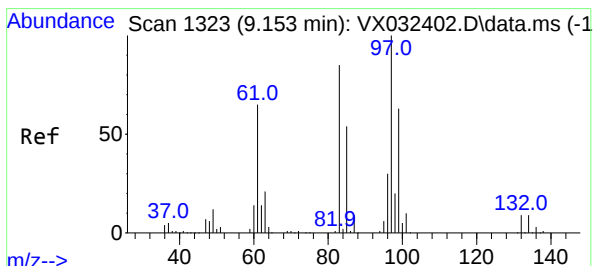
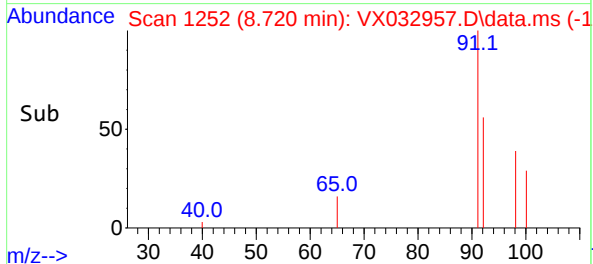
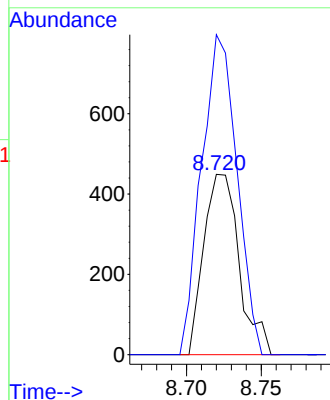
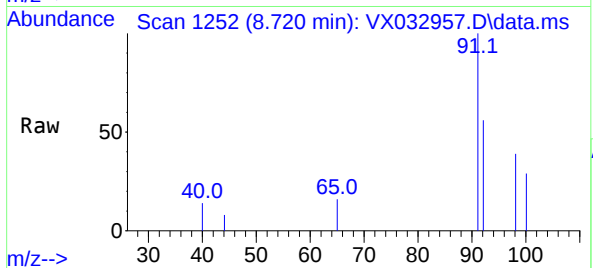
ClientSampleId :

Tgt Ion: 92 Resp: 738

Ion Ratio Lower Upper

92 100

91 178.0 138.3 207.5



#55

1,1,2-Trichloroethane

Concen: 0.949 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX032957.D

Acq: 21 Nov 2022 17:05

Tgt Ion: 97 Resp: 1217

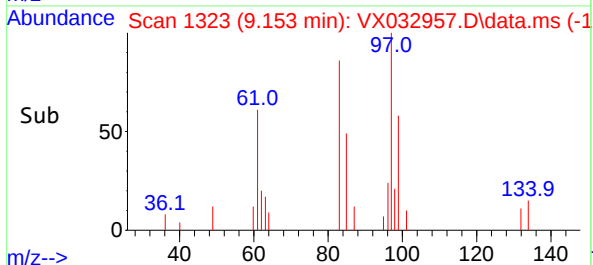
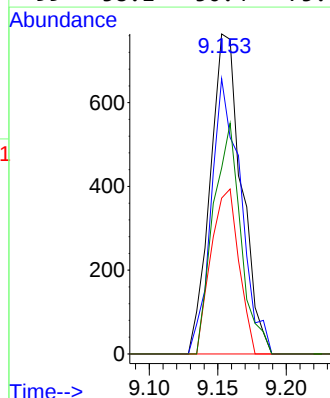
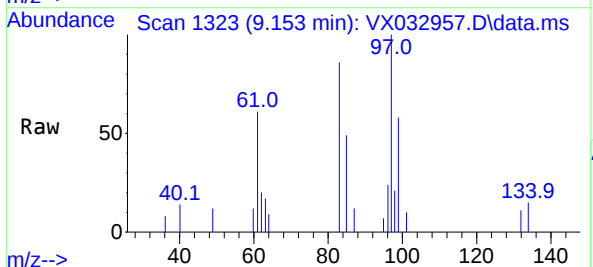
Ion Ratio Lower Upper

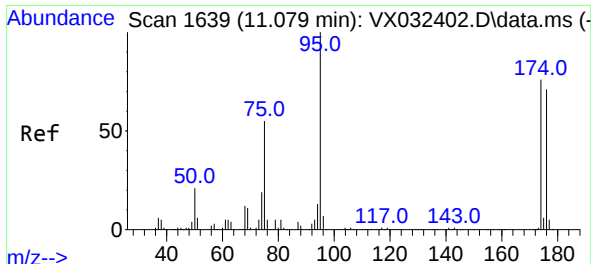
97 100

83 86.0 68.1 102.1

85 48.7 43.3 64.9

99 58.1 50.4 75.6

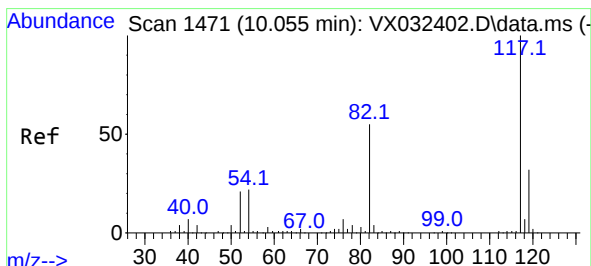
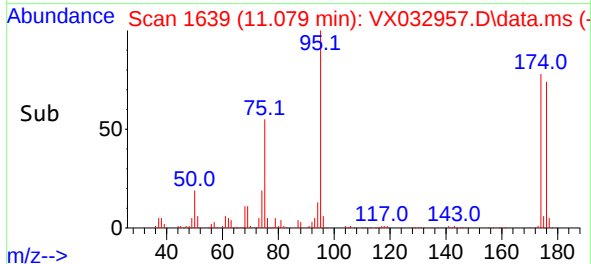
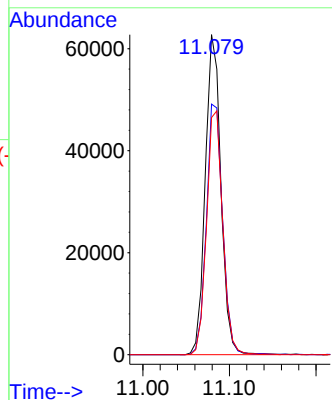
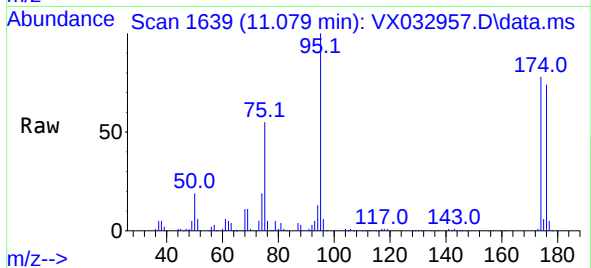




#62
4-Bromofluorobenzene
Concen: 48.861 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

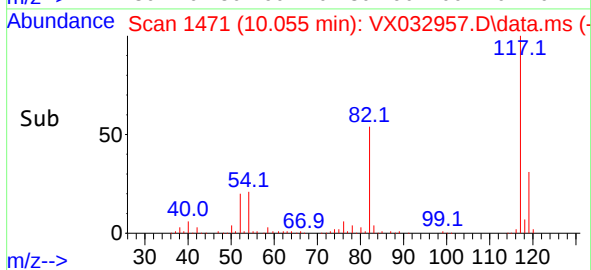
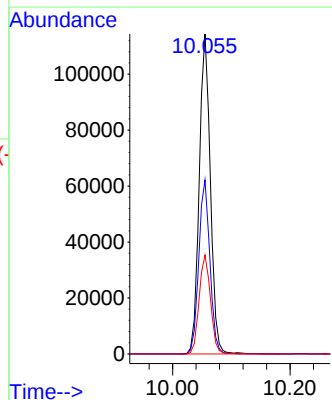
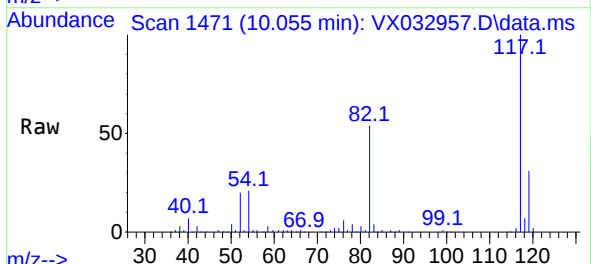
Instrument :
MSVOA_X
ClientSampleId :

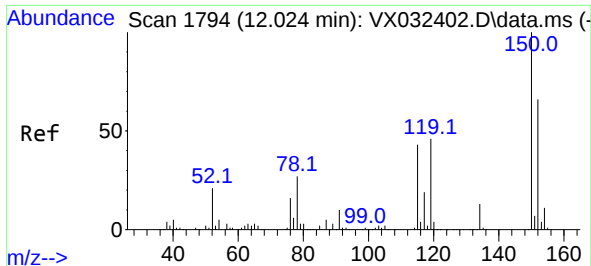
Tgt Ion: 95 Resp: 78575
Ion Ratio Lower Upper
95 100
174 81.3 0.0 164.0
176 79.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

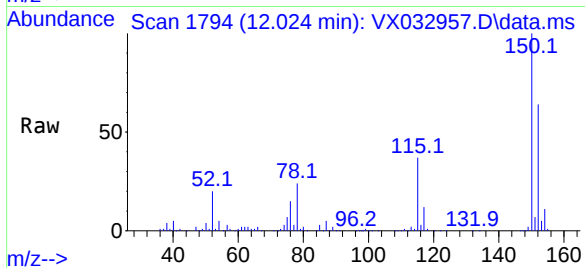
Tgt Ion: 117 Resp: 150565
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 30.9 25.7 38.5



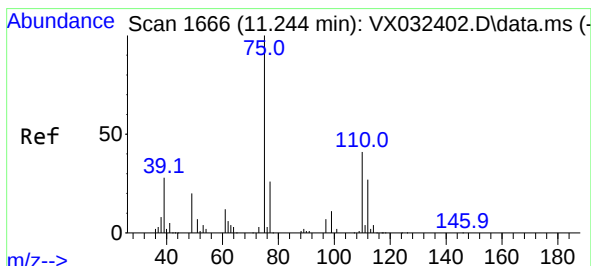
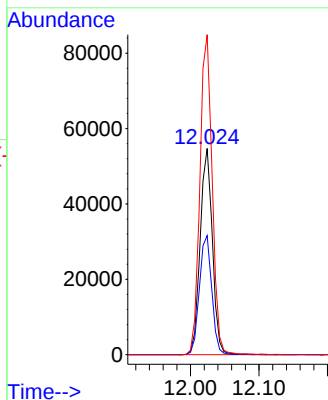
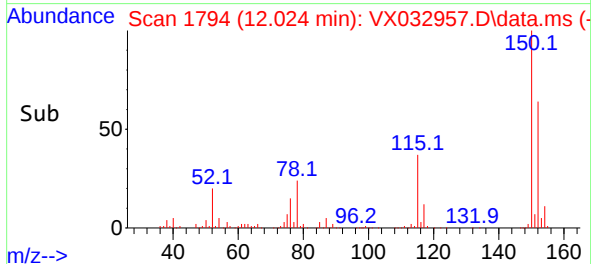


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

Instrument :
MSVOA_X
ClientSampleId :

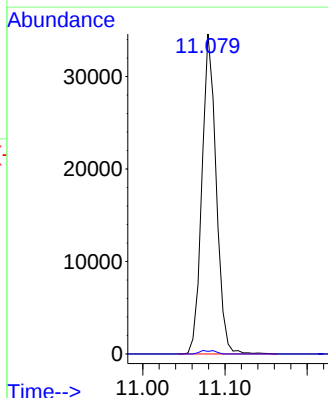
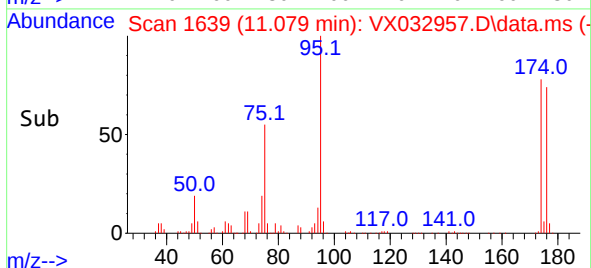
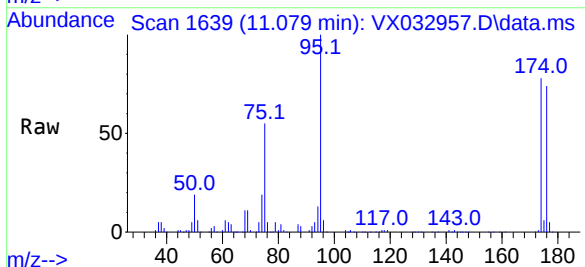


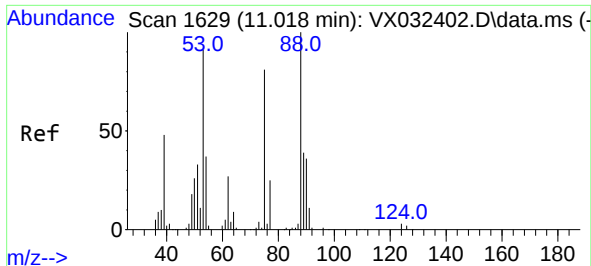
Tgt Ion:152 Resp: 68194
Ion Ratio Lower Upper
152 100
115 58.4 44.0 132.0
150 155.6 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.531 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032957.D
Acq: 21 Nov 2022 17:05

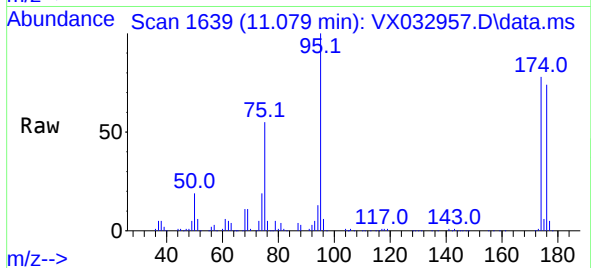
Tgt Ion: 75 Resp: 41769
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.605 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032957.D
 Acq: 21 Nov 2022 17:05

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 41769
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

