

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102023\
 Data File : VX038416.D
 Acq On : 20 Oct 2023 20:31
 Operator : JC/MD
 Sample : 04991-05 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1027

Quant Time: Oct 21 01:52:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

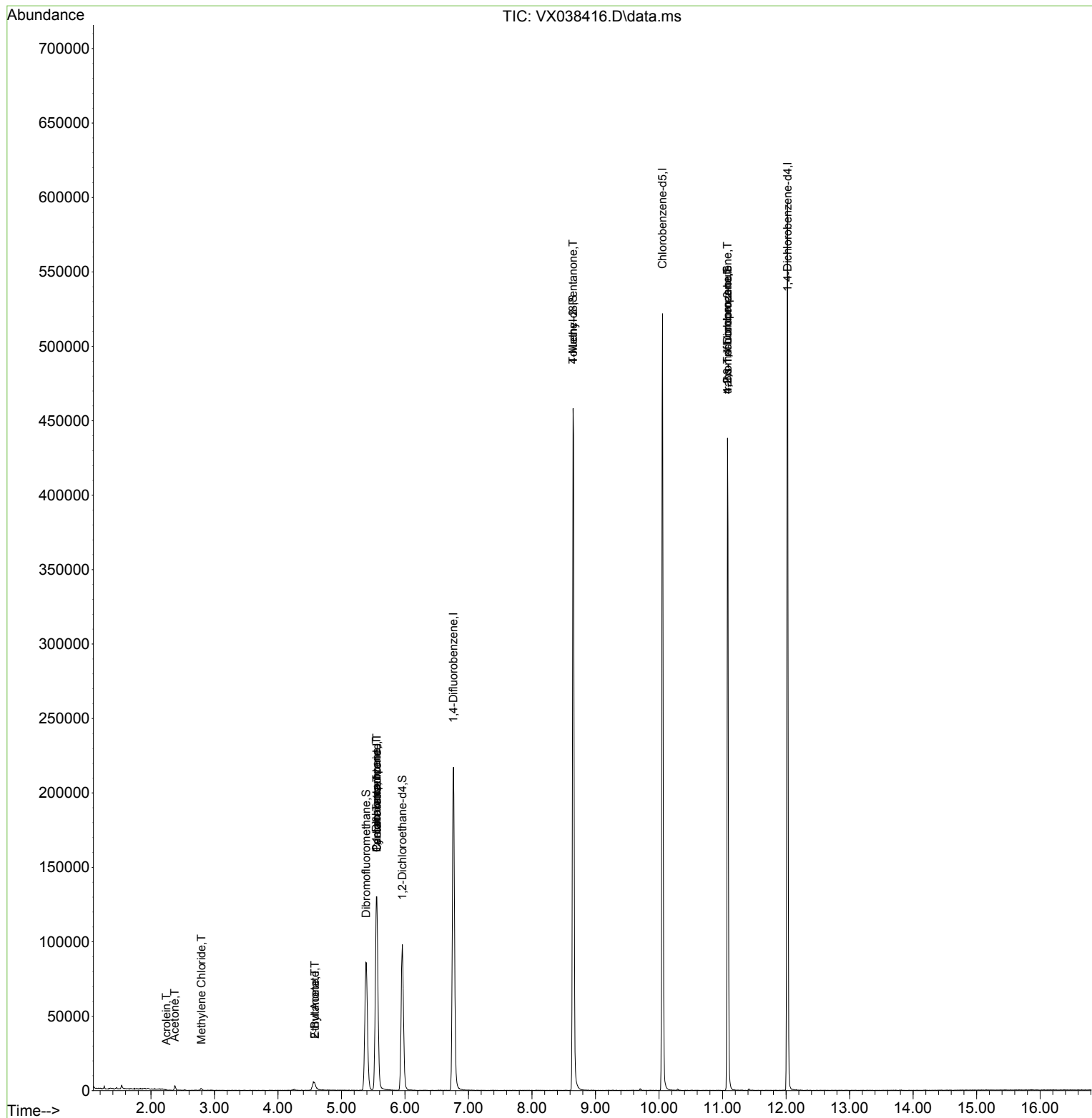
Internal Standards						
1) Pentafluorobenzene	5.556	168	125883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	125059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92432	45.651	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.300%
35) Dibromofluoromethane	5.385	113	74708	45.585	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.180%
50) Toluene-d8	8.647	98	288030	45.993	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.980%#
62) 4-Bromofluorobenzene	11.079	95	110273	46.447	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.900%
Target Compounds						
					Qvalue	
6) Chloroethane	1.733	64	19	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	53	Below Cal	#	78
13) Acrolein	2.239	56	181	0.629	ug/l	96
16) Acetone	2.374	43	3249	3.845	ug/l	93
20) Methylene Chloride	2.794	84	670	0.422	ug/l #	58
25) 2-Butanone	4.580	43	1691	1.240	ug/l	98
31) Cyclohexane	5.556	56	3095	1.411	ug/l #	19
36) 1,1-Dichloropropene	5.550	75	10403	4.603	ug/l #	50
37) Ethyl Acetate	4.580	43	1691	0.630	ug/l #	80
38) Carbon Tetrachloride	5.556	117	12682	5.704	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	1223	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	59883	21.063	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59883	60.575	ug/l #	5

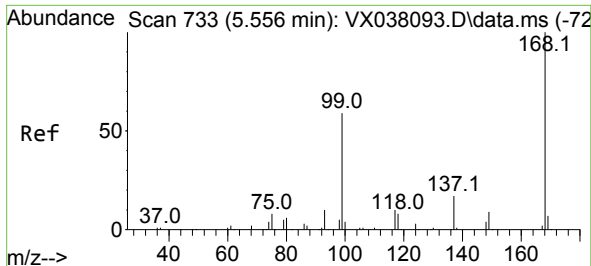
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
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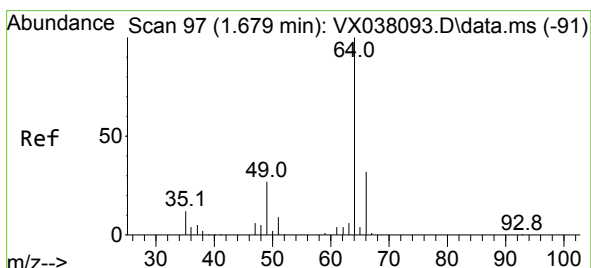
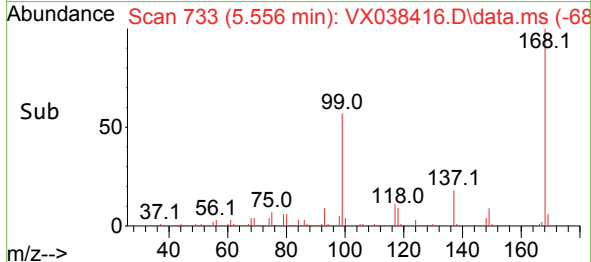
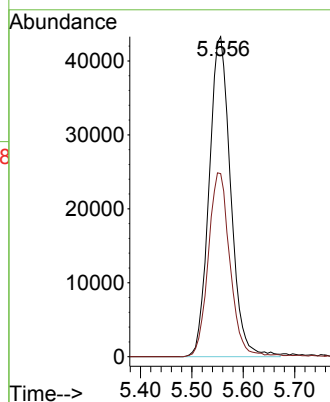
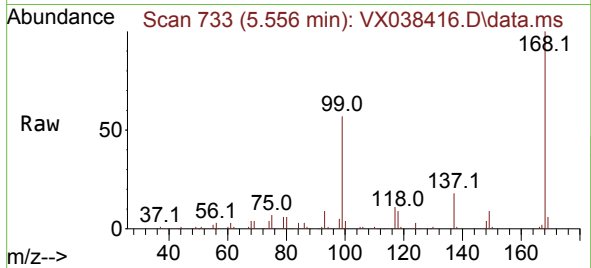




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

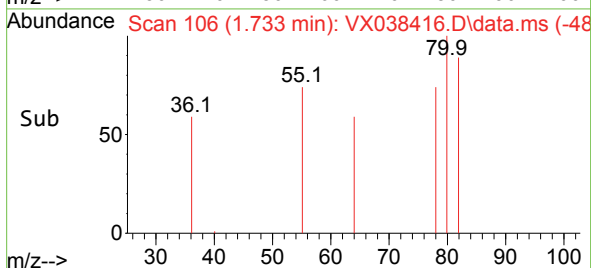
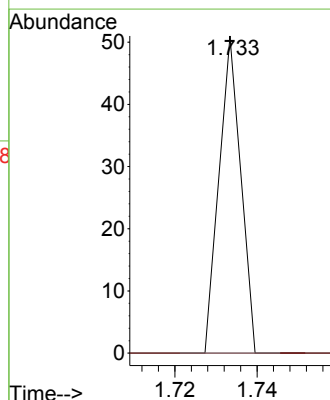
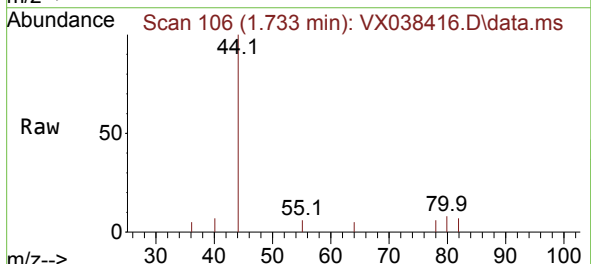
Instrument :
MSVOA_X
ClientSampleId :
1027

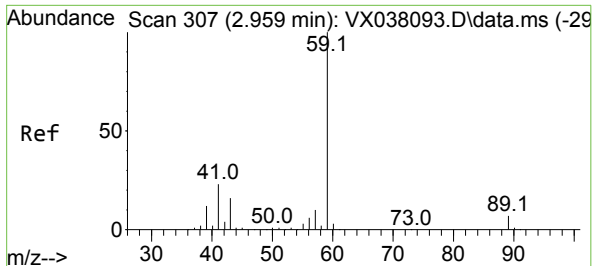
Tgt Ion:168 Resp: 125883
Ion Ratio Lower Upper
168 100
99 57.2 56.6 85.0



#6
Chloroethane
Concen: Below Cal
RT: 1.733 min Scan# 106
Delta R.T. 0.054 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX038416.D

Acq: 20 Oct 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

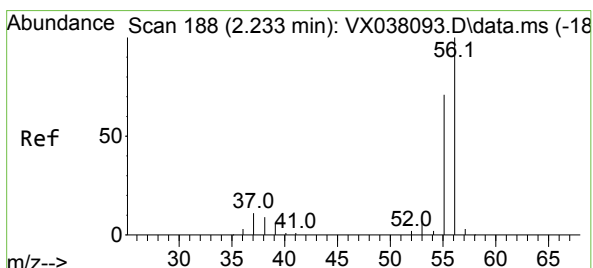
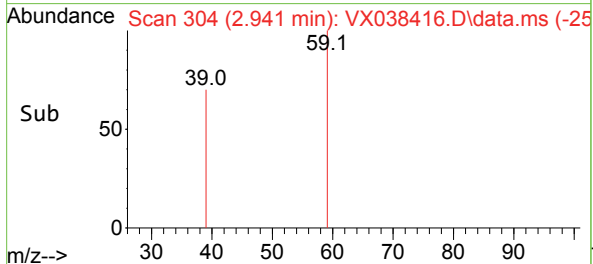
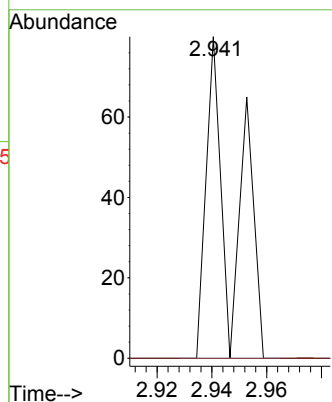
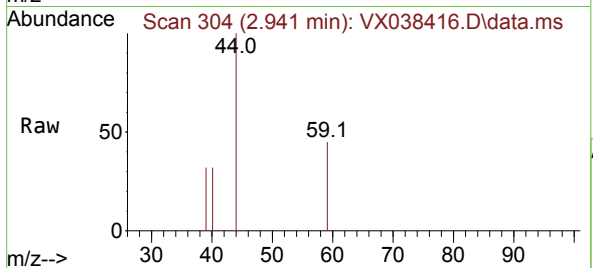
1027

Tgt Ion: 59 Resp: 53

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.629 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX038416.D

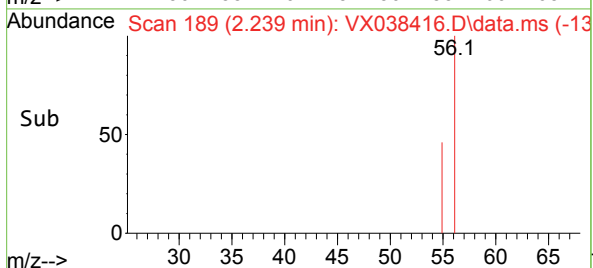
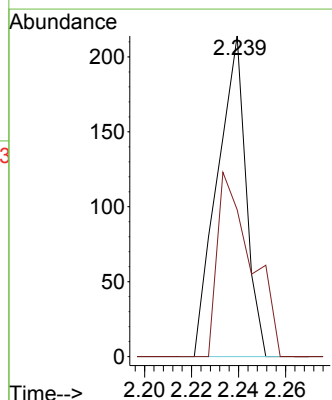
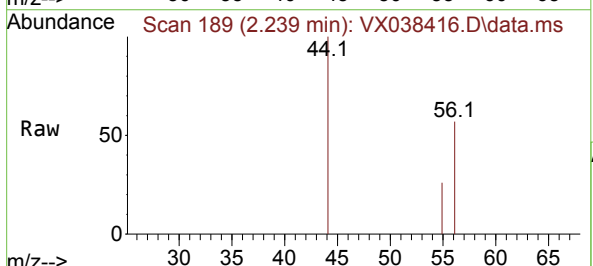
Acq: 20 Oct 2023 20:31

Tgt Ion: 56 Resp: 181

Ion Ratio Lower Upper

56 100

55 68.0 57.1 85.7





#16

Acetone

Concen: 3.845 ug/l

RT: 2.374 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX038416.D

Acq: 20 Oct 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

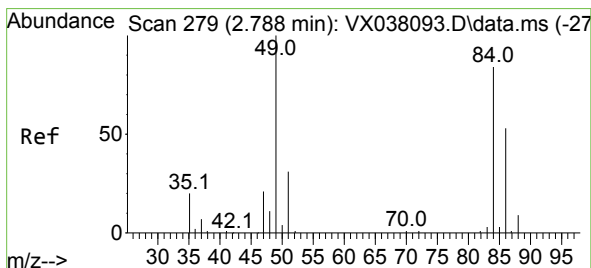
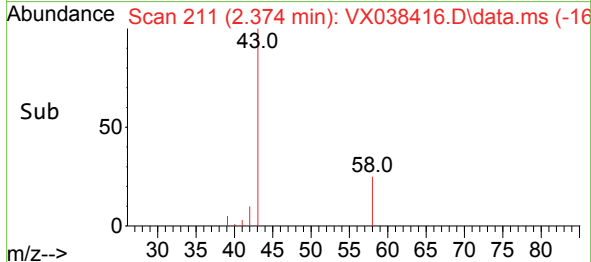
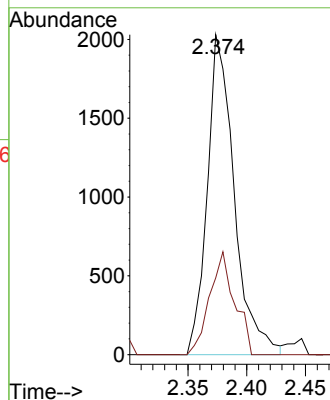
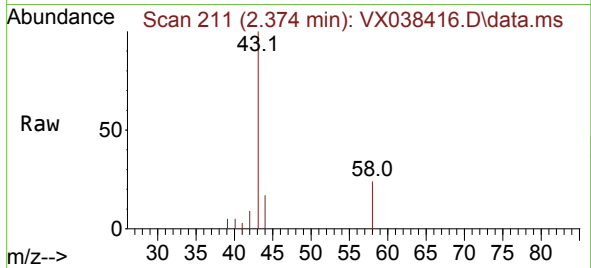
1027

Tgt Ion: 43 Resp: 3249

Ion Ratio Lower Upper

43 100

58 24.0 21.9 32.9



#20

Methylene Chloride

Concen: 0.422 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX038416.D

Acq: 20 Oct 2023 20:31

Tgt Ion: 84 Resp: 670

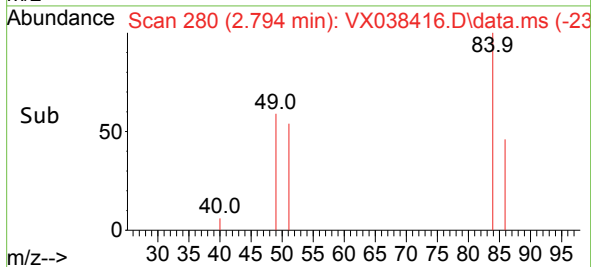
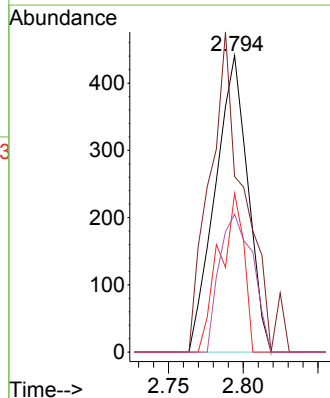
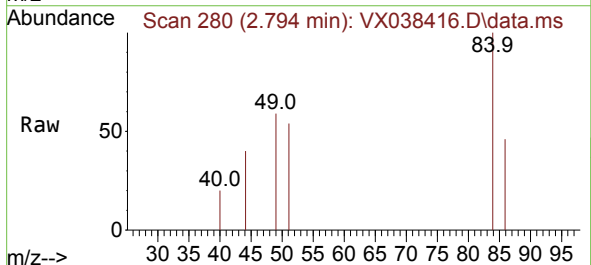
Ion Ratio Lower Upper

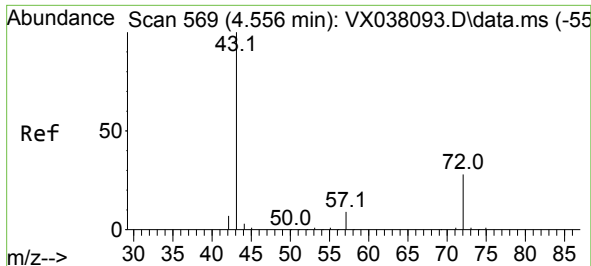
84 100

49 59.2 103.6 155.4#

51 53.5 33.8 50.6#

86 46.5 49.4 74.0#

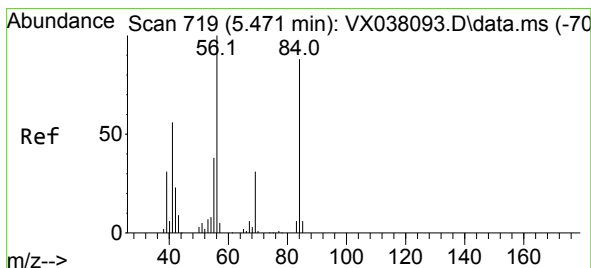
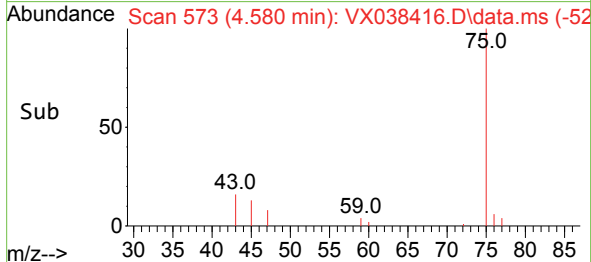
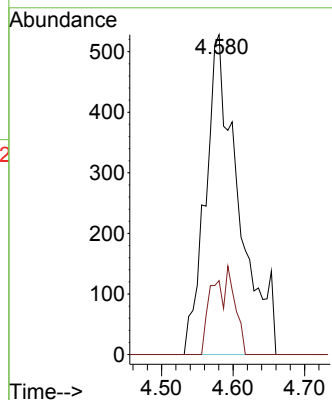
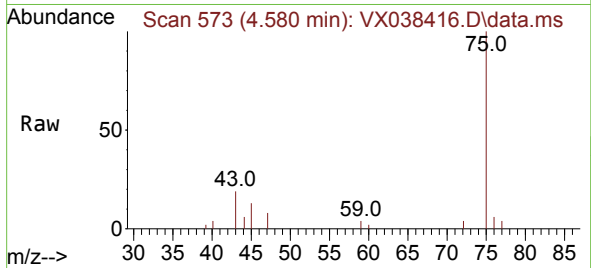




#25
2-Butanone
Concen: 1.240 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

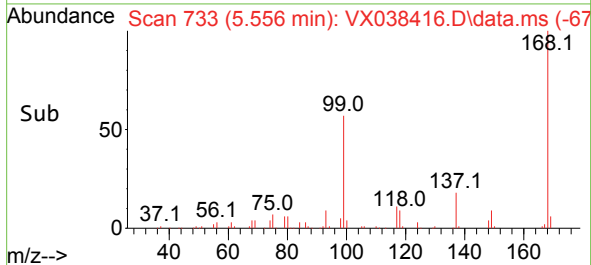
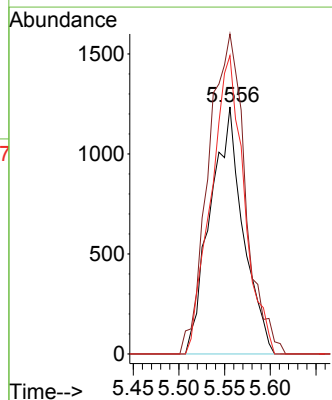
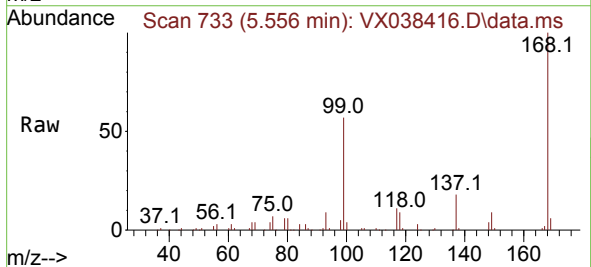
Instrument :
MSVOA_X
ClientSampleId :
1027

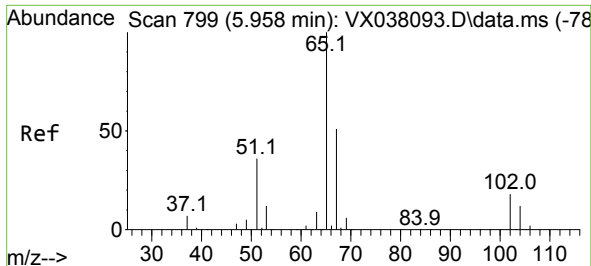
Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
72 23.1 19.4 29.2



#31
Cyclohexane
Concen: 1.411 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

Tgt Ion: 56 Resp: 3095
Ion Ratio Lower Upper
56 100
69 129.6 23.4 35.2#
84 120.8 65.9 98.9#

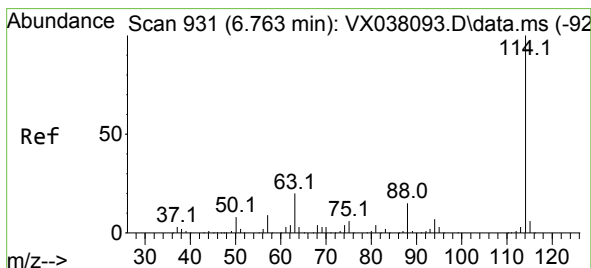
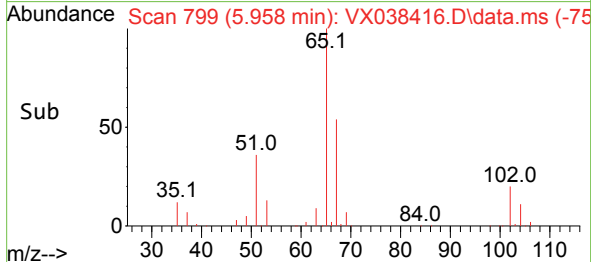
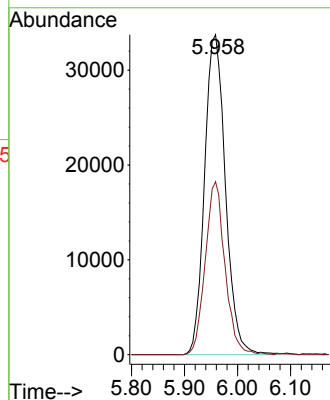
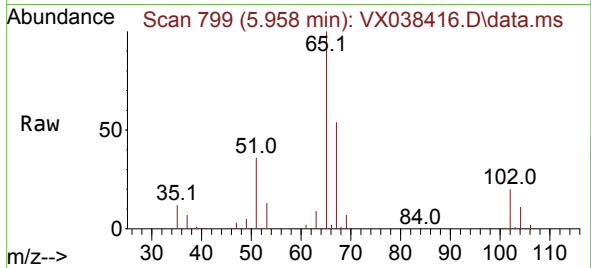




#33
 1,2-Dichloroethane-d4
 Concen: 45.651 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX038416.D
 Acq: 20 Oct 2023 20:31

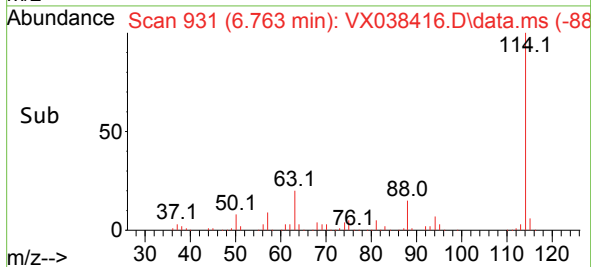
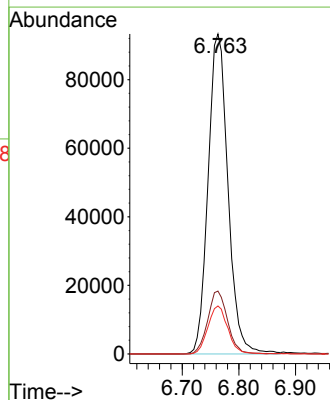
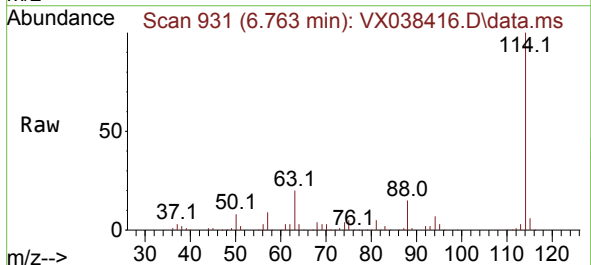
Instrument :
 MSVOA_X
 ClientSampleId :
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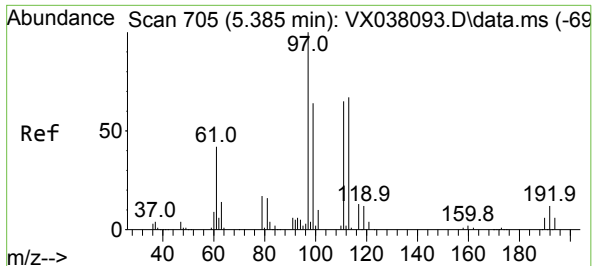
Tgt Ion: 65 Resp: 92432
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX038416.D
 Acq: 20 Oct 2023 20:31

Tgt Ion: 114 Resp: 227443
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 45.0
 88 15.0 0.0 36.6

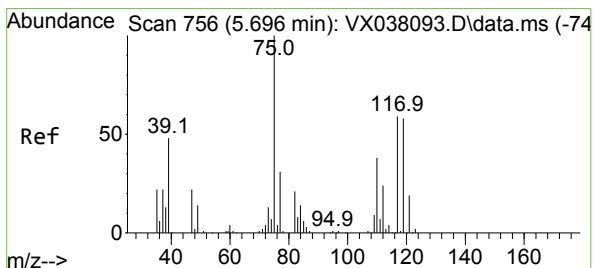
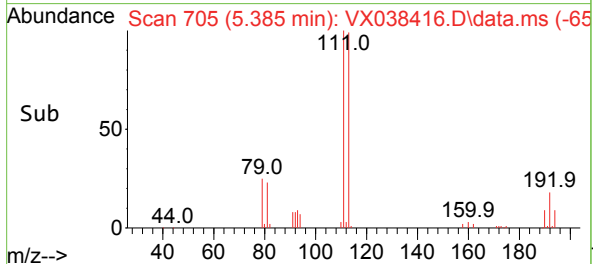
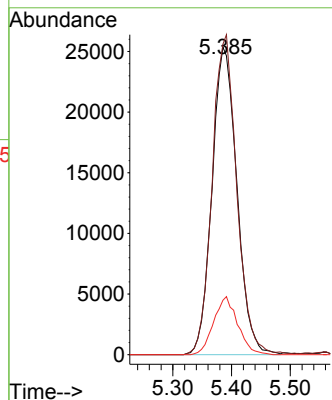
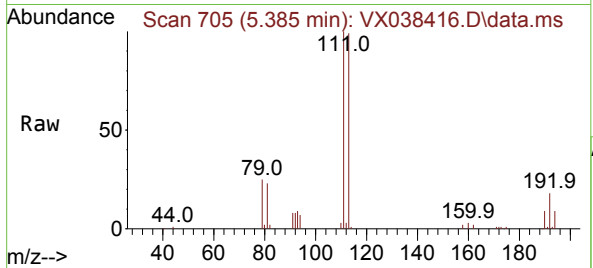




#35
Dibromofluoromethane
Concen: 45.585 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

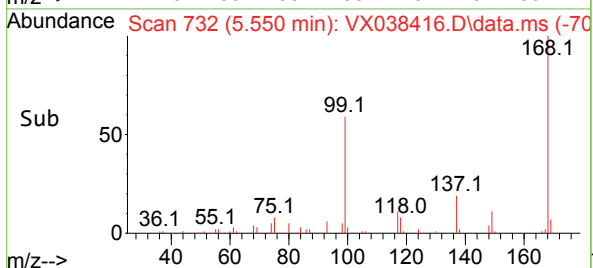
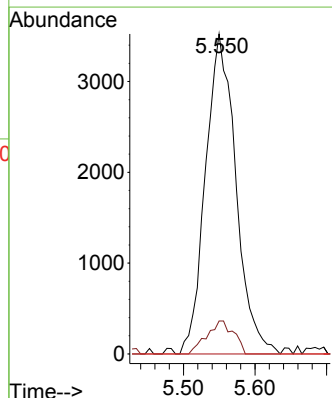
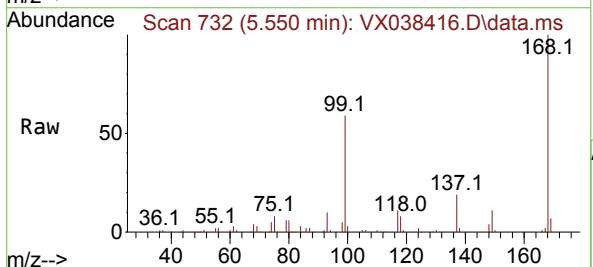
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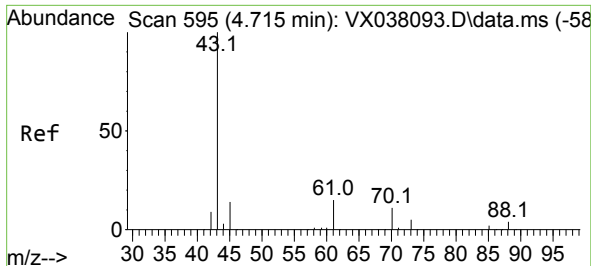
Tgt Ion:113 Resp: 74708
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.603 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

Tgt Ion: 75 Resp: 10403
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.630 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.135 min

Lab File: VX038416.D

Acq: 20 Oct 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

1027

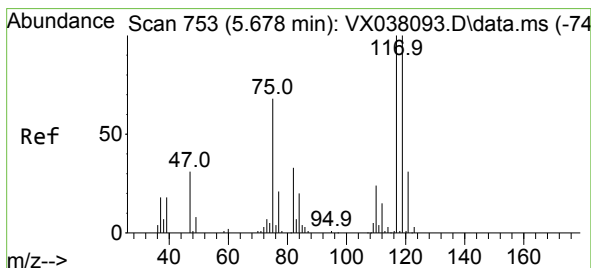
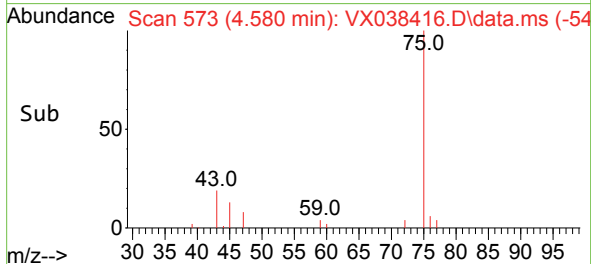
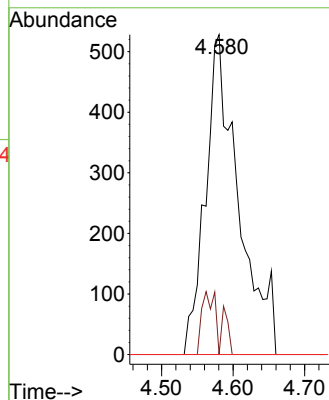
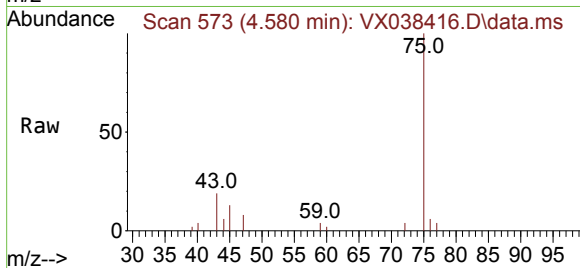
Tgt Ion: 43 Resp: 1691

Ion Ratio Lower Upper

43 100

61 7.7 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.704 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX038416.D

Acq: 20 Oct 2023 20:31

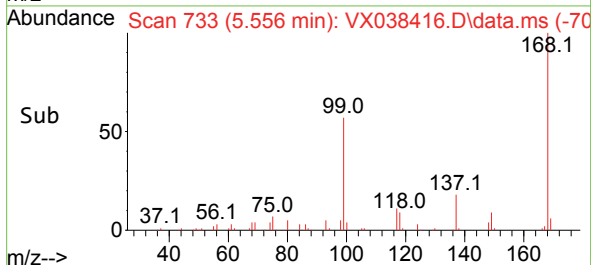
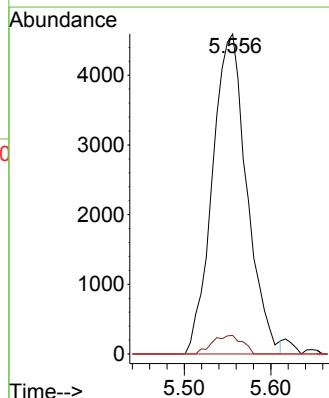
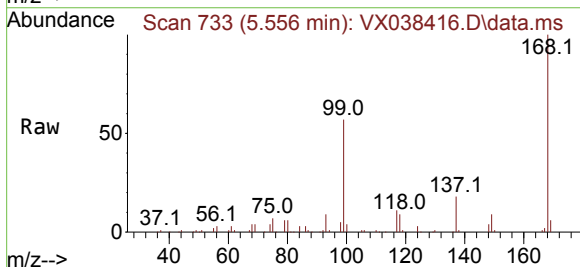
Tgt Ion: 117 Resp: 12682

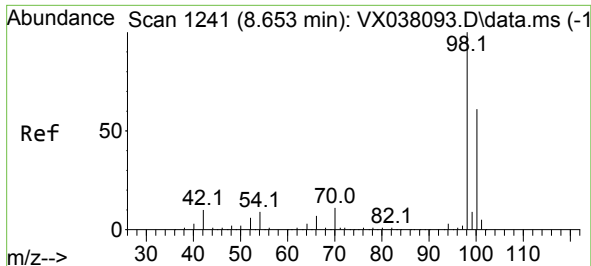
Ion Ratio Lower Upper

117 100

119 5.8 78.2 117.2#

121 0.0 24.4 36.6#

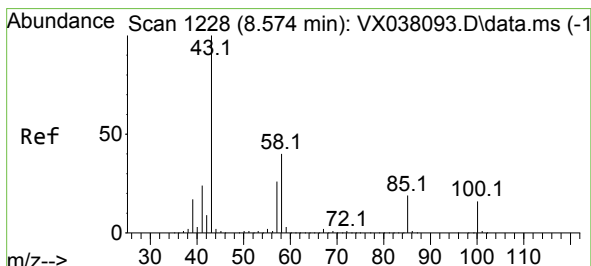
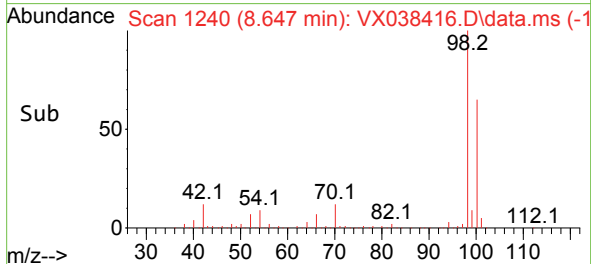
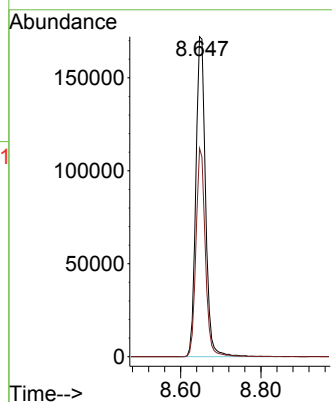
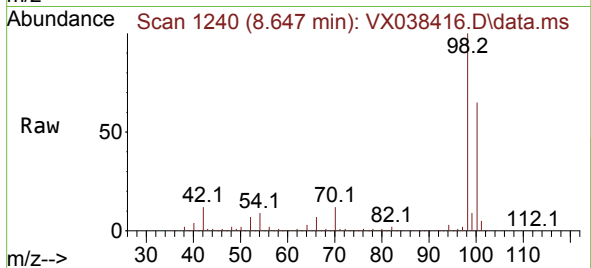




#50
Toluene-d8
Concen: 45.993 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

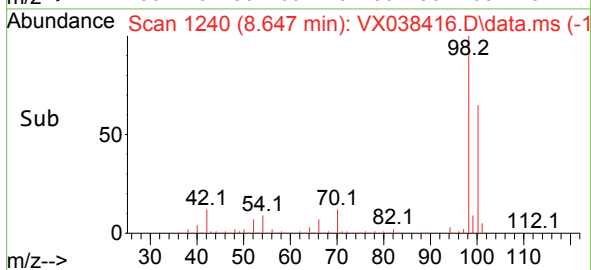
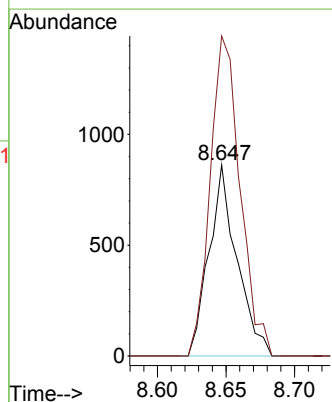
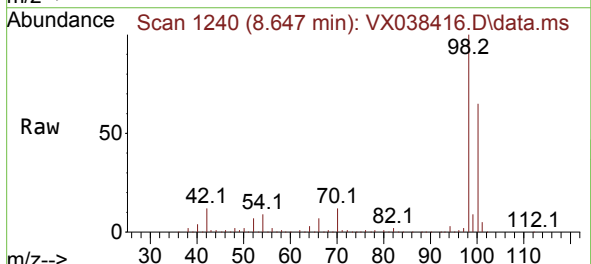
Instrument :
MSVOA_X
ClientSampleId :
1027

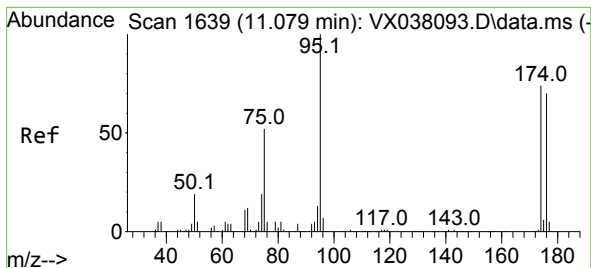
Tgt Ion: 98 Resp: 288030
Ion Ratio Lower Upper
98 100
100 62.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

Tgt Ion: 43 Resp: 1223
Ion Ratio Lower Upper
43 100
58 179.6 30.4 45.6#

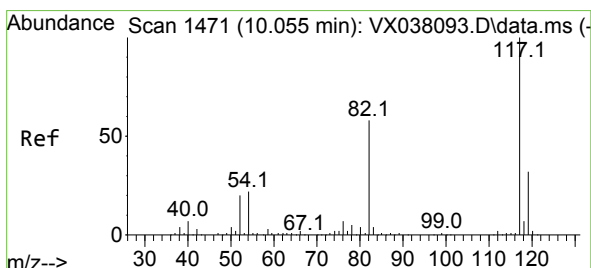
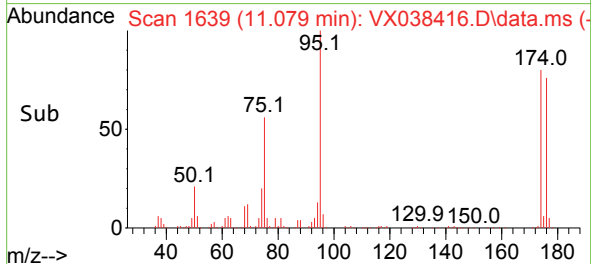
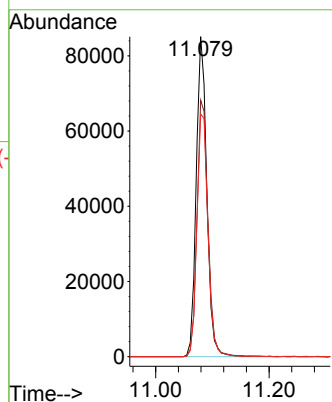
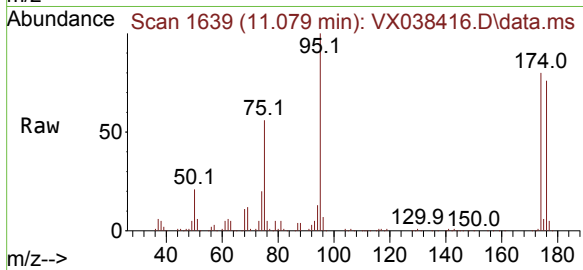




#62
4-Bromofluorobenzene
Concen: 46.447 ug/l
RT: 11.079 min Scan# 110273
Delta R.T. 0.000 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

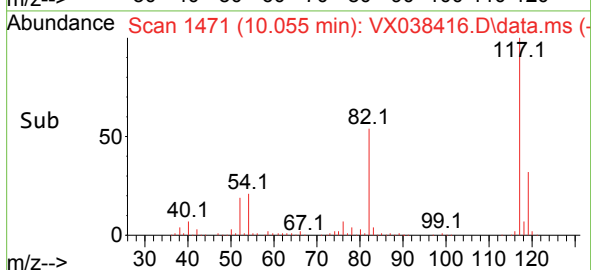
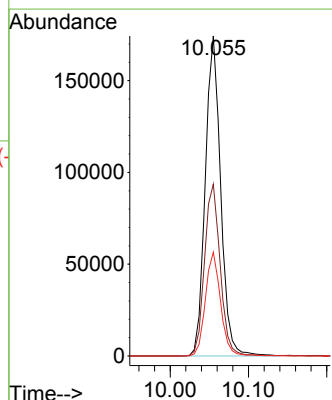
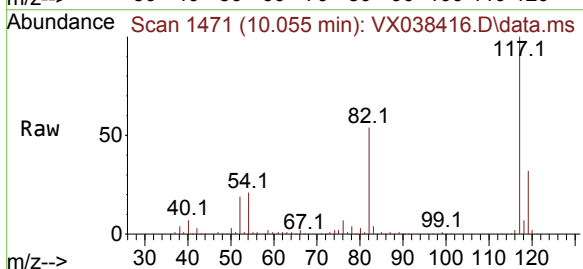
Instrument :
MSVOA_X
ClientSampleId :
1027

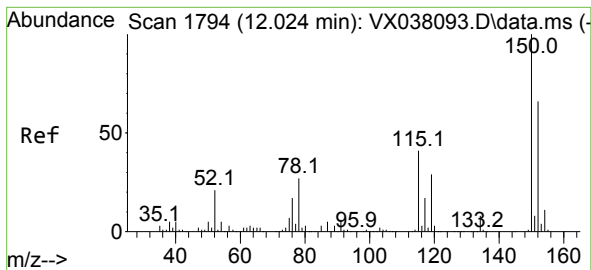
Tgt Ion: 95 Resp: 110273
Ion Ratio Lower Upper
95 100
174 82.9 0.0 135.6
176 79.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038416.D
Acq: 20 Oct 2023 20:31

Tgt Ion: 117 Resp: 237804
Ion Ratio Lower Upper
117 100
82 53.7 46.2 69.4
119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038416.D

Acq: 20 Oct 2023 20:31

Instrument :

MSVOA_X

ClientSampleId :

1027

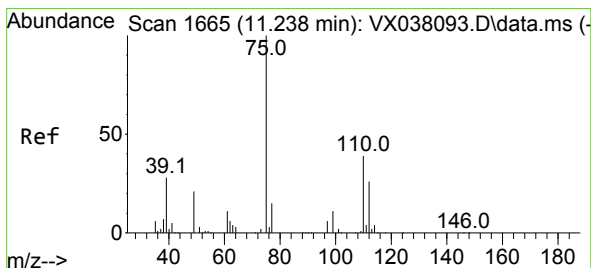
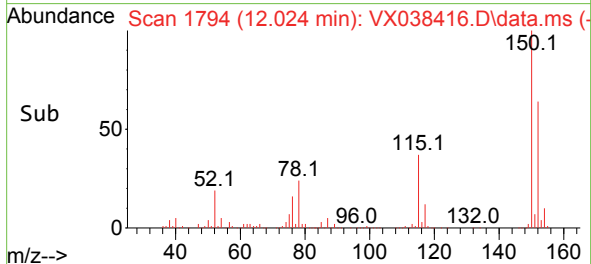
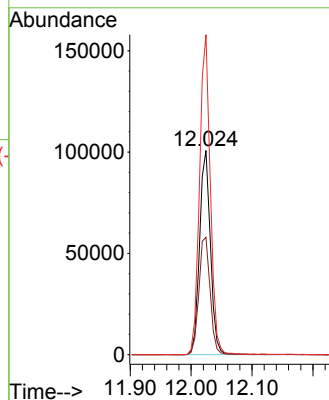
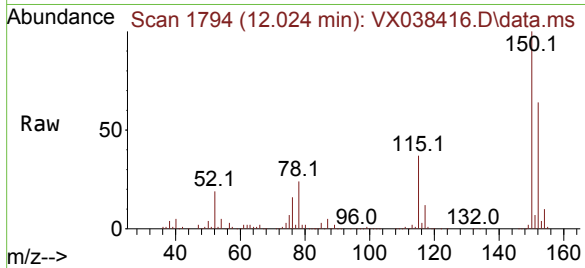
Tgt Ion:152 Resp: 125059

Ion Ratio Lower Upper

152 100

115 59.5 43.3 129.9

150 155.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.063 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038416.D

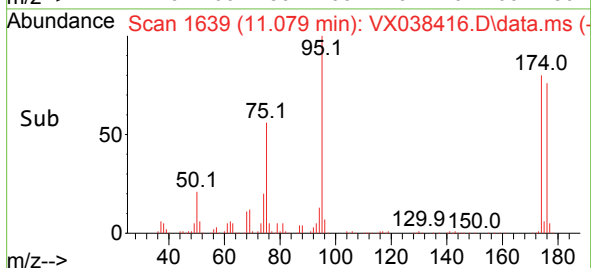
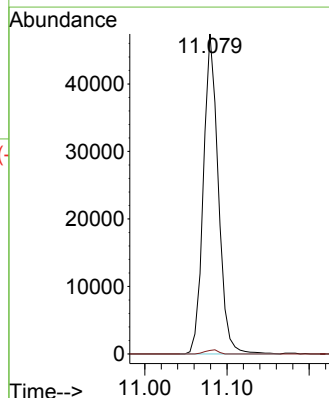
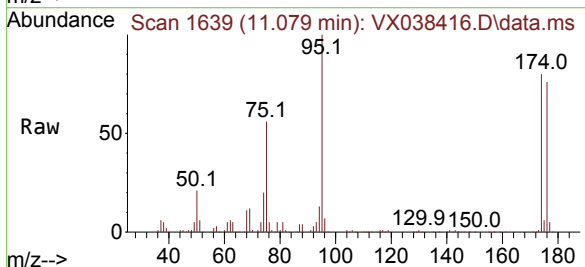
Acq: 20 Oct 2023 20:31

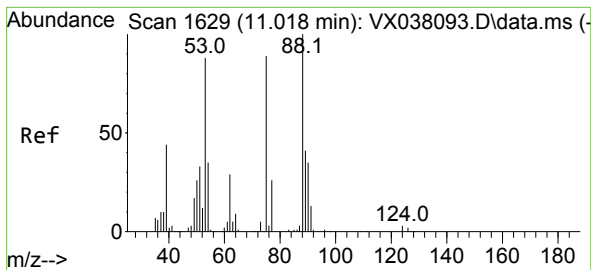
Tgt Ion: 75 Resp: 59883

Ion Ratio Lower Upper

75 100

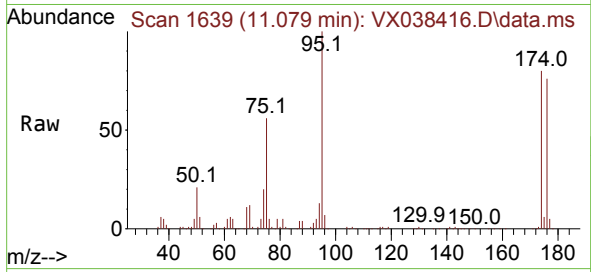
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.575 ug/l
 RT: 11.079 min Scan# 1027
 Delta R.T. 0.061 min
 Lab File: VX038416.D
 Acq: 20 Oct 2023 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 1027



Tgt Ion: 75 Resp: 59883
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

