

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102023\
 Data File : VX038415.D
 Acq On : 20 Oct 2023 20:08
 Operator : JC/MD
 Sample : 04991-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1026

Quant Time: Oct 21 01:51:30 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)

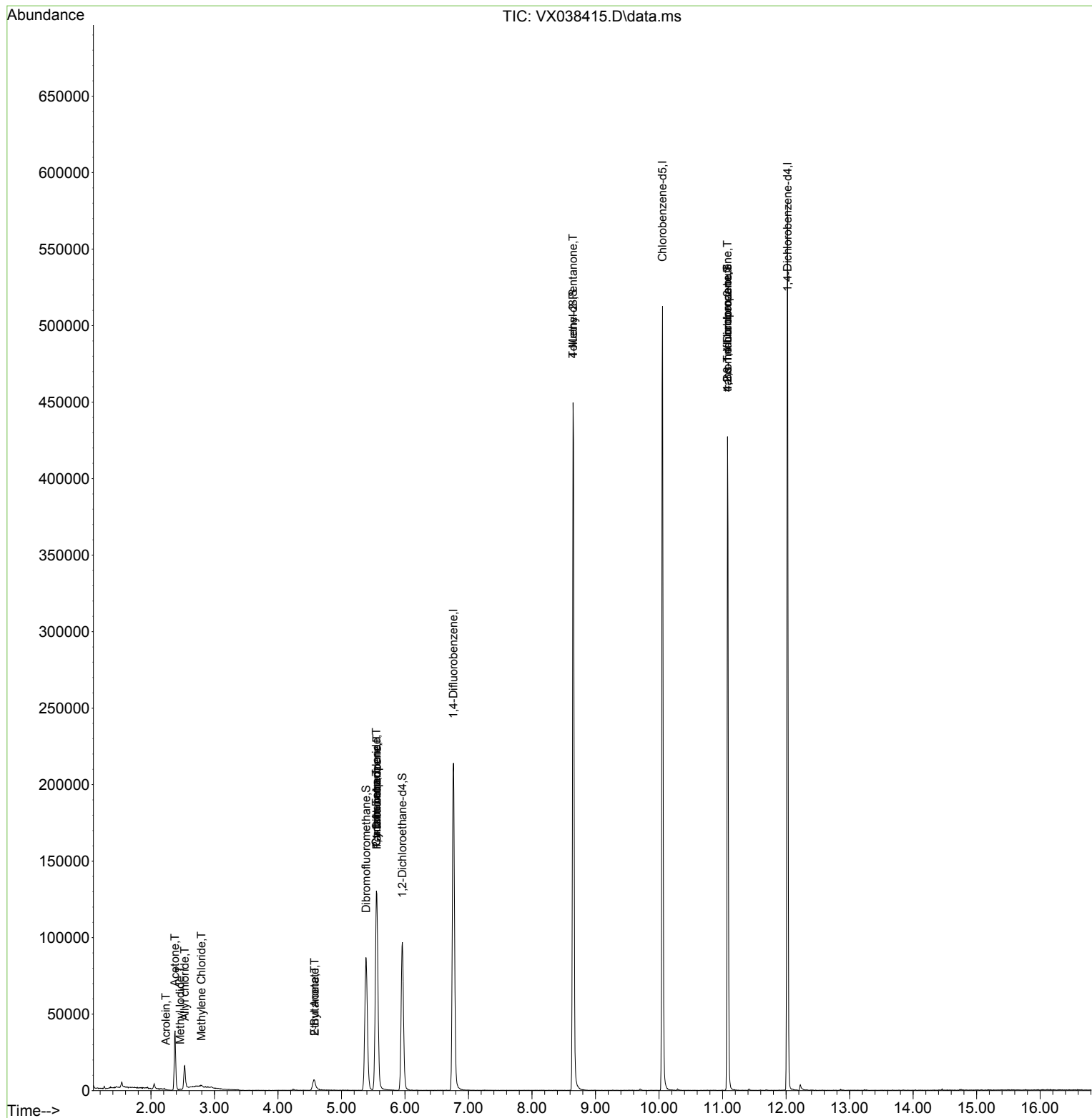
Internal Standards						
1) Pentafluorobenzene	5.556	168	125795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91199	45.074	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.140%
35) Dibromofluoromethane	5.385	113	73548	45.035	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.060%
50) Toluene-d8	8.647	98	285199	45.700	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.400%#
62) 4-Bromofluorobenzene	11.079	95	106203	44.889	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.780%
Target Compounds						
					Qvalue	
5) Bromomethane	1.532	94	47	Below Cal	#	3
6) Chloroethane	1.721	64	22	Below Cal	#	43
10) Methyl Iodide	2.459	142	543	0.319	ug/l #	76
11) Tert butyl alcohol	2.947	59	226	Below Cal	#	78
13) Acrolein	2.233	56	345	1.199	ug/l	89
14) Allyl chloride	2.532	41	1783	0.866	ug/l #	76
16) Acetone	2.380	43	40530	47.997	ug/l	90
20) Methylene Chloride	2.794	84	487	0.307	ug/l #	82
25) 2-Butanone	4.574	43	3993	2.931	ug/l #	84
31) Cyclohexane	5.550	56	3032	1.383	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	10765	4.780	ug/l #	51
37) Ethyl Acetate	4.574	43	3993	1.493	ug/l #	76
38) Carbon Tetrachloride	5.550	117	12954	5.847	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	1340	0.487	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	57748	21.293	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	57748	61.192	ug/l #	5

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

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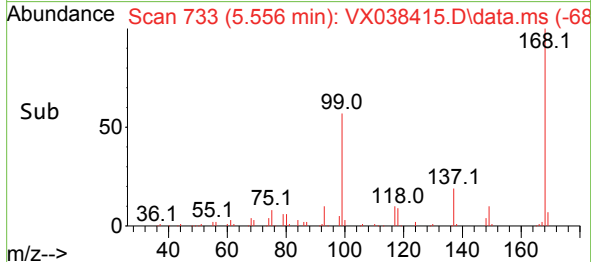
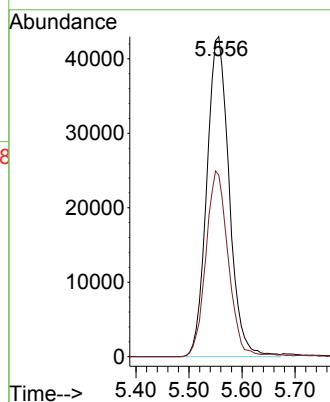
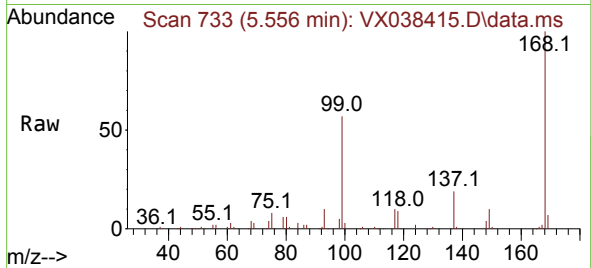




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

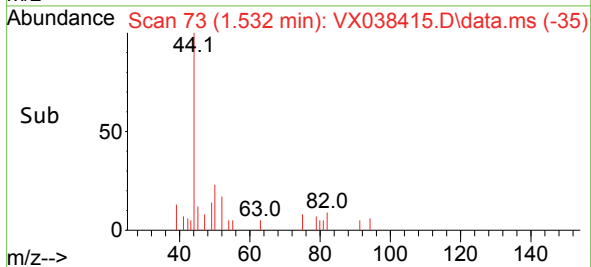
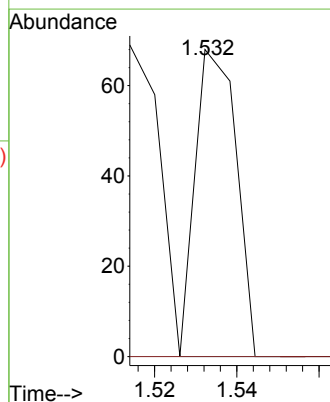
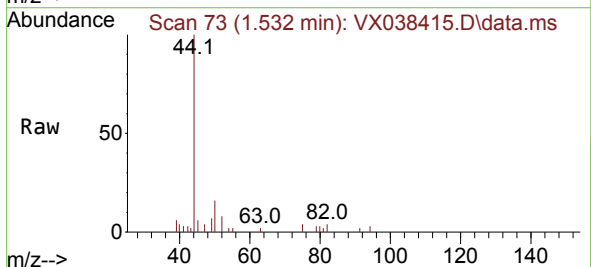
Instrument :
MSVOA_X
ClientSampleId :
1026

Tgt Ion:168 Resp: 125795
Ion Ratio Lower Upper
168 100
99 56.7 56.6 85.0



#5
Bromomethane
Concen: Below Cal
RT: 1.532 min Scan# 73
Delta R.T. -0.067 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

Tgt Ion: 94 Resp: 47
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

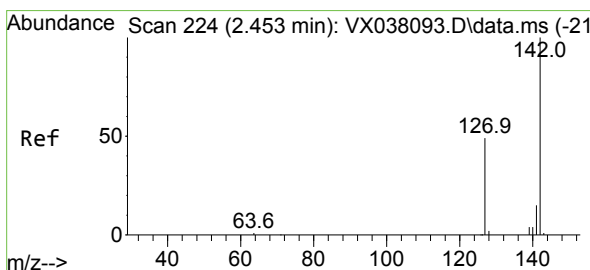
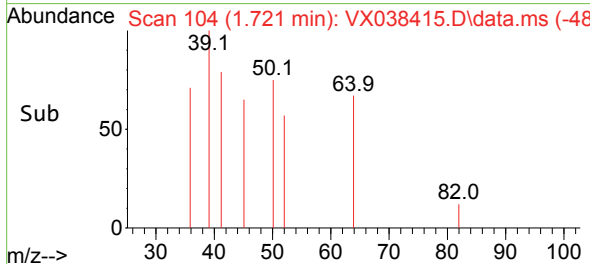
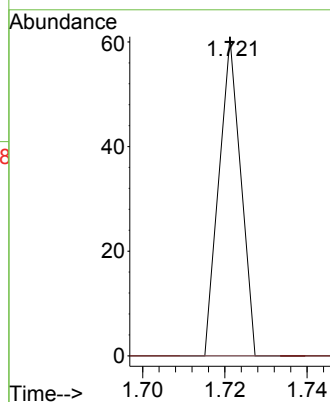
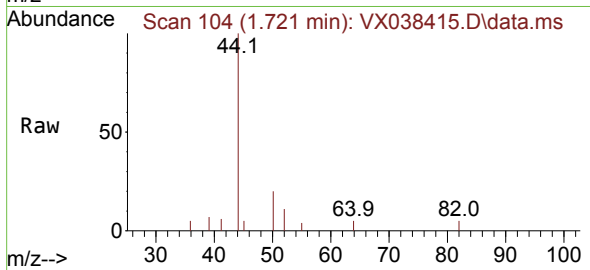




#6
Chloroethane
Concen: Below Cal
RT: 1.721 min Scan# 104
Delta R.T. 0.042 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

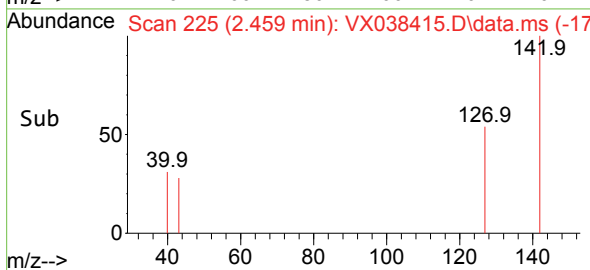
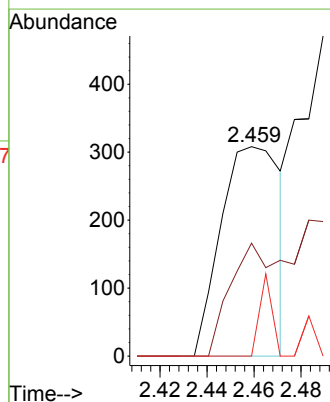
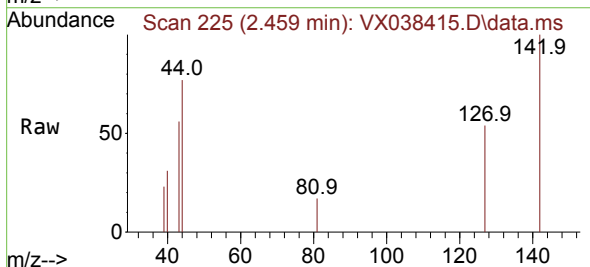
Instrument :
MSVOA_X
ClientSampleId :
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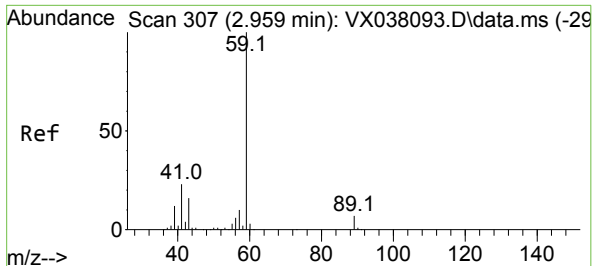
Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#10
Methyl Iodide
Concen: 0.319 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

Tgt Ion: 142 Resp: 543
Ion Ratio Lower Upper
142 100
127 33.9 41.6 62.4#
141 8.1 11.6 17.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX038415.D

Acq: 20 Oct 2023 20:08

Instrument :

MSVOA_X

ClientSampleId :

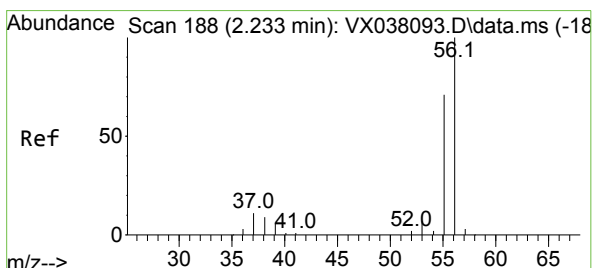
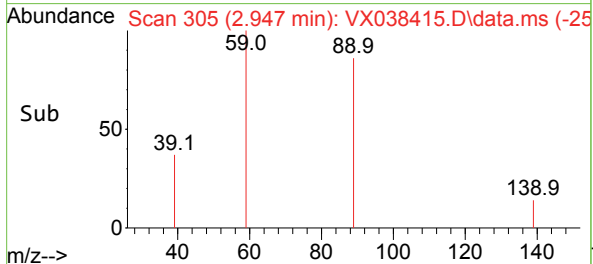
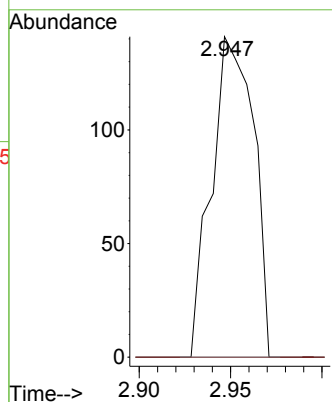
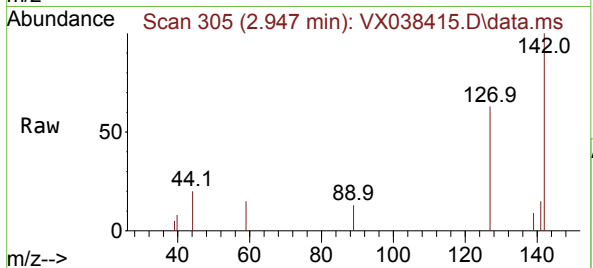
1026

Tgt Ion: 59 Resp: 226

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 1.199 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX038415.D

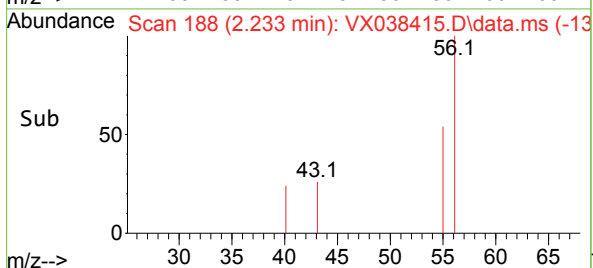
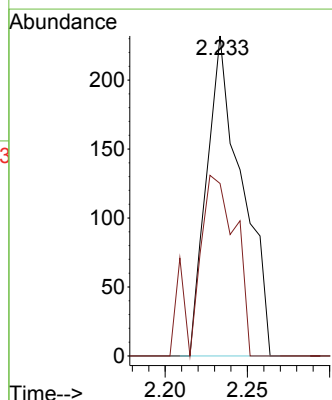
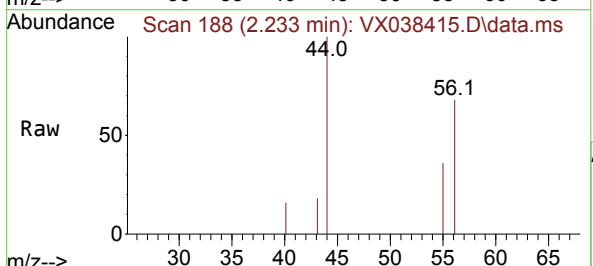
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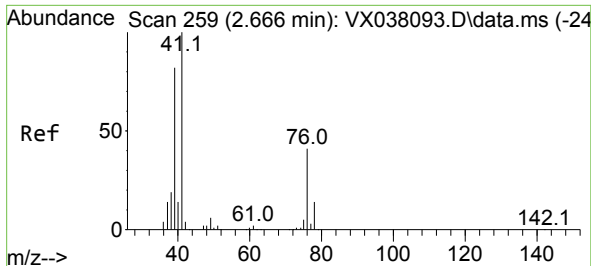
Tgt Ion: 56 Resp: 345

Ion Ratio Lower Upper

56 100

55 62.3 57.1 85.7

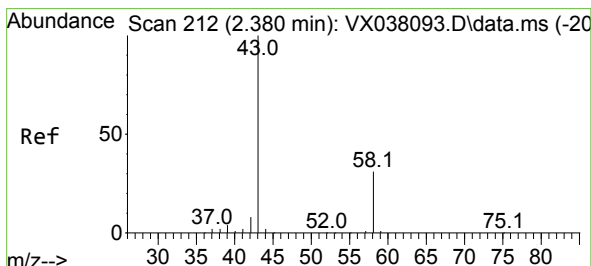
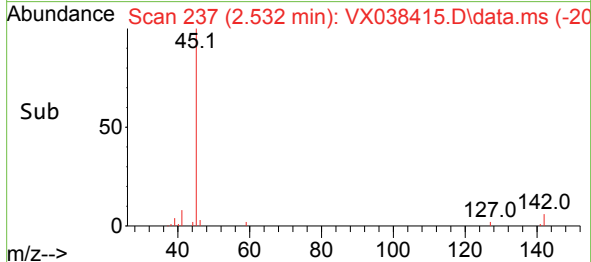
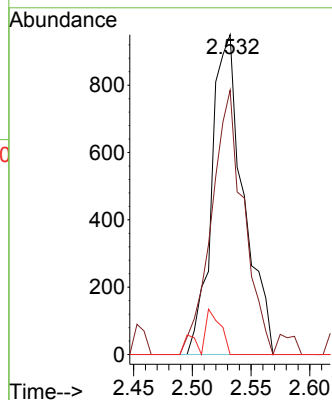
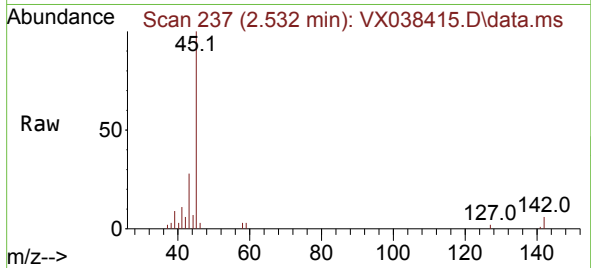




#14
 Allyl chloride
 Concen: 0.866 ug/l
 RT: 2.532 min Scan# 21
 Delta R.T. -0.128 min
 Lab File: VX038415.D
 Acq: 20 Oct 2023 20:08

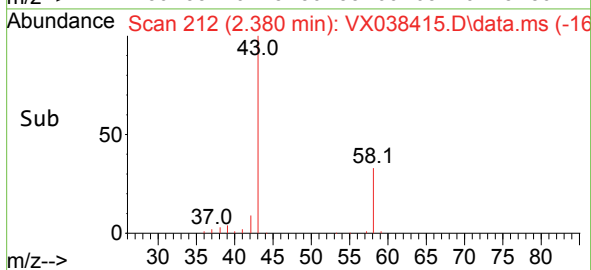
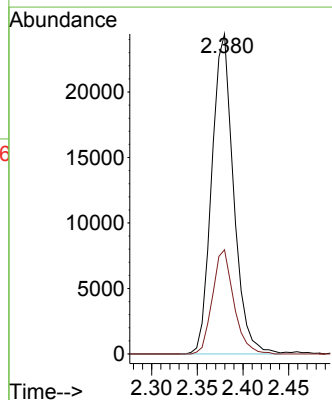
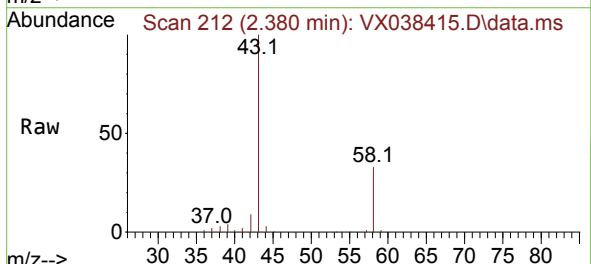
Instrument :
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 ClientSampleId :
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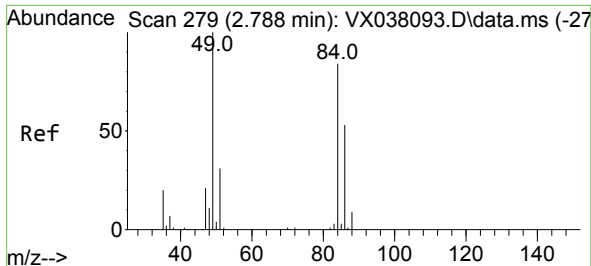
Tgt Ion: 41 Resp: 1783
 Ion Ratio Lower Upper
 41 100
 39 84.0 55.8 83.6#
 76 8.7 24.3 36.5#



#16
 Acetone
 Concen: 47.997 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX038415.D
 Acq: 20 Oct 2023 20:08

Tgt Ion: 43 Resp: 40530
 Ion Ratio Lower Upper
 43 100
 58 32.5 21.9 32.9

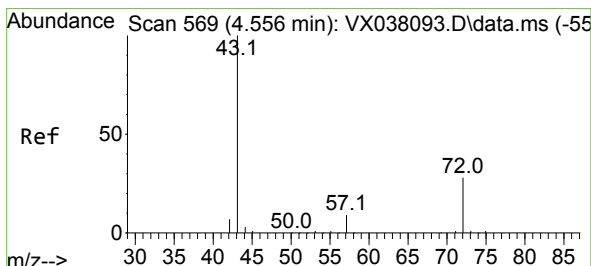
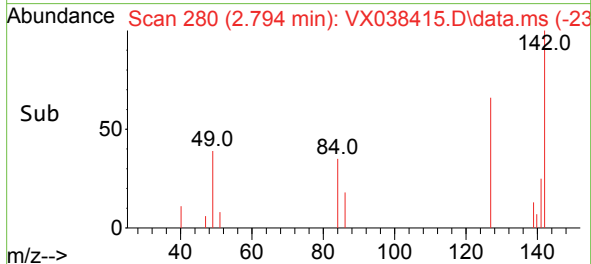
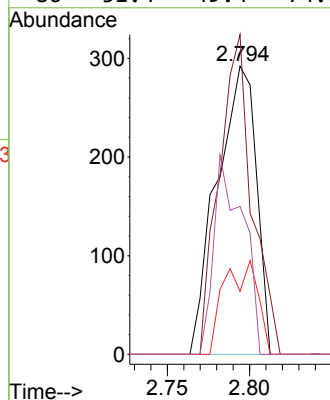
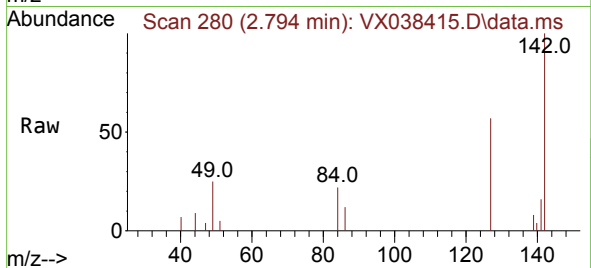




#20
Methylene Chloride
Concen: 0.307 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

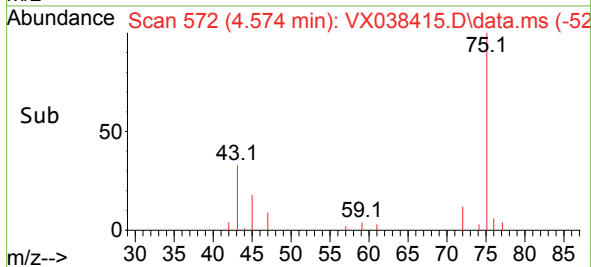
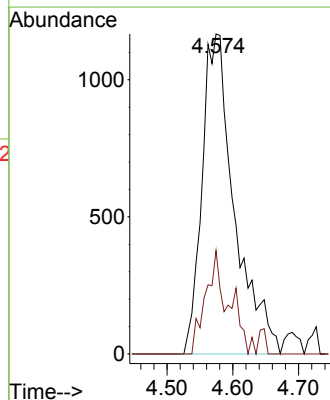
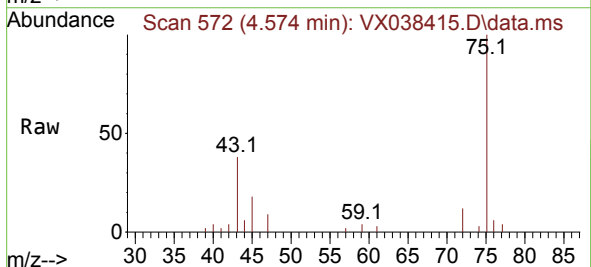
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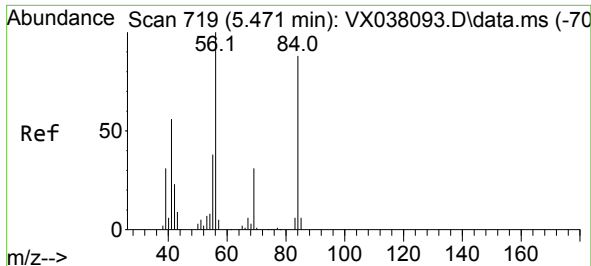
Tgt Ion: 84 Resp: 487
Ion Ratio Lower Upper
84 100
49 111.0 103.6 155.4
51 21.9 33.8 50.6#
86 51.4 49.4 74.0



#25
2-Butanone
Concen: 2.931 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

Tgt Ion: 43 Resp: 3993
Ion Ratio Lower Upper
43 100
72 32.3 19.4 29.2#

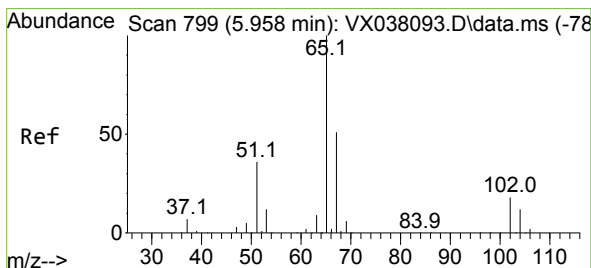
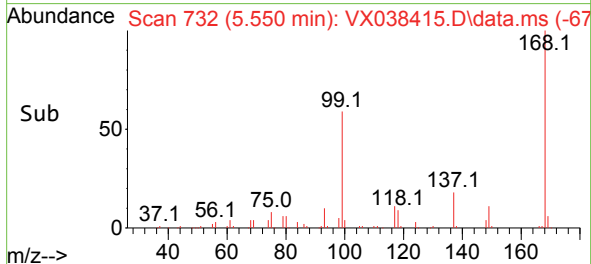
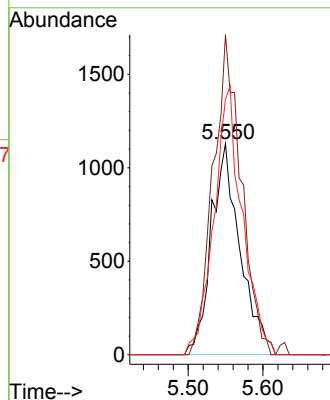
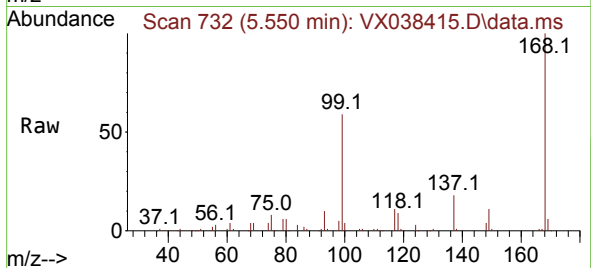




#31
Cyclohexane
Concen: 1.383 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

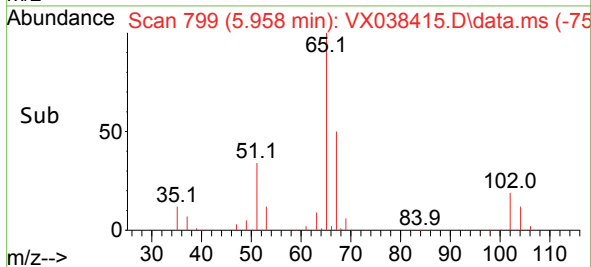
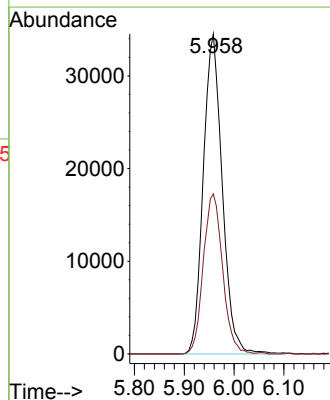
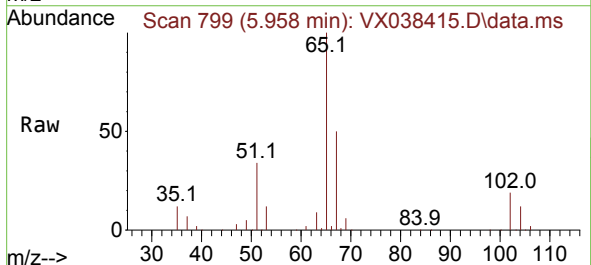
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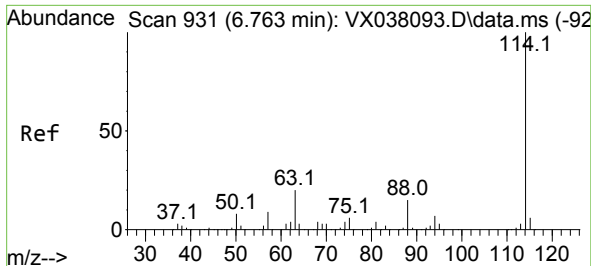
Tgt Ion: 56 Resp: 3032
Ion Ratio Lower Upper
56 100
69 151.6 23.4 35.2#
84 121.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 45.074 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

Tgt Ion: 65 Resp: 91199
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.2

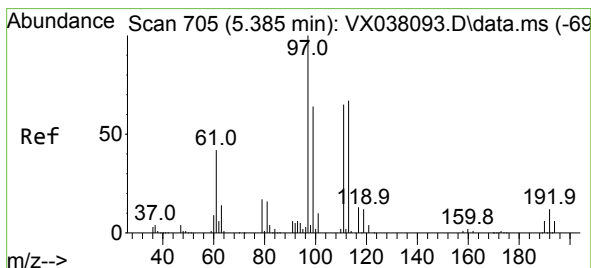
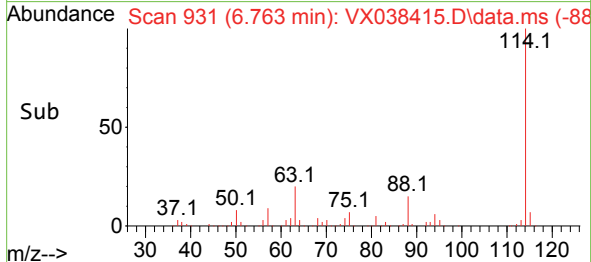
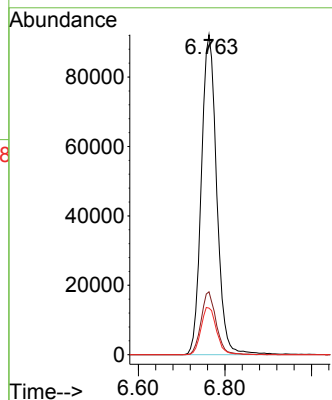
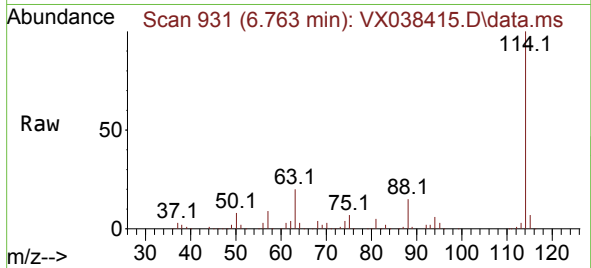




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX038415.D
 Acq: 20 Oct 2023 20:08

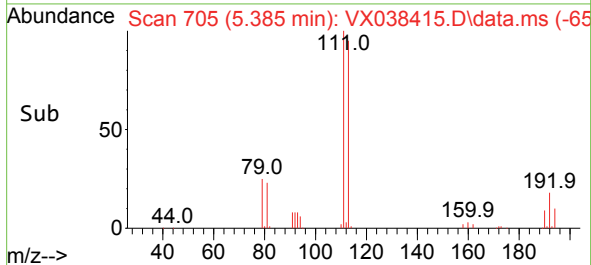
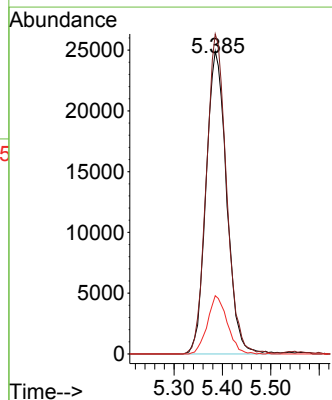
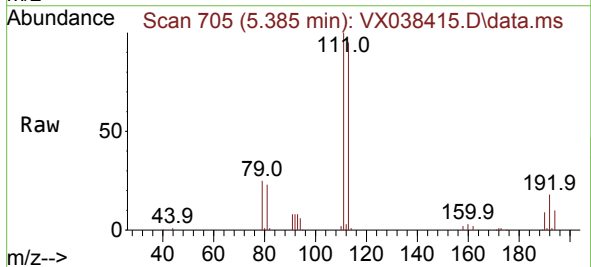
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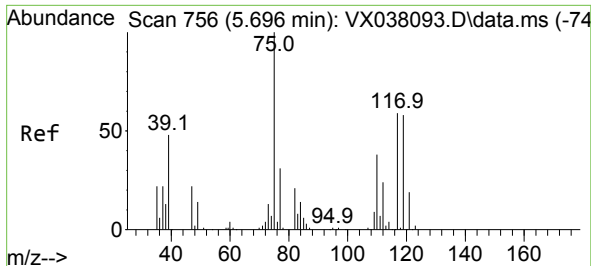
Tgt Ion:114 Resp: 226648
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 45.0
 88 14.5 0.0 36.6



#35
 Dibromofluoromethane
 Concen: 45.035 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX038415.D
 Acq: 20 Oct 2023 20:08

Tgt Ion:113 Resp: 73548
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.9 124.3
 192 18.5 13.3 19.9

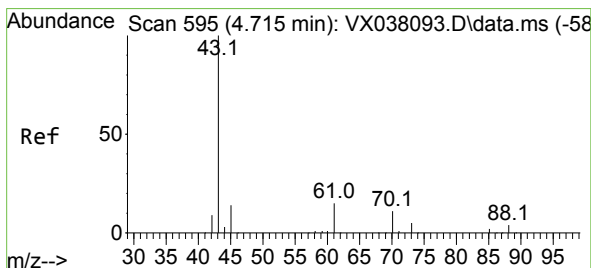
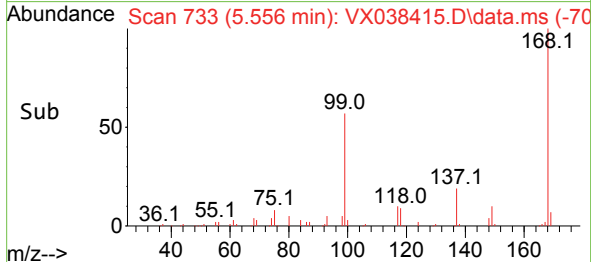
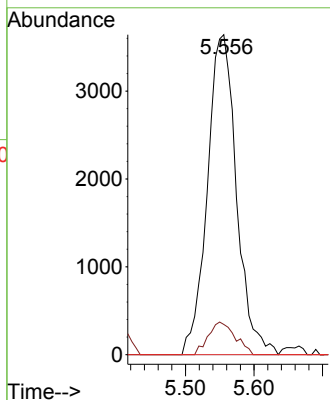
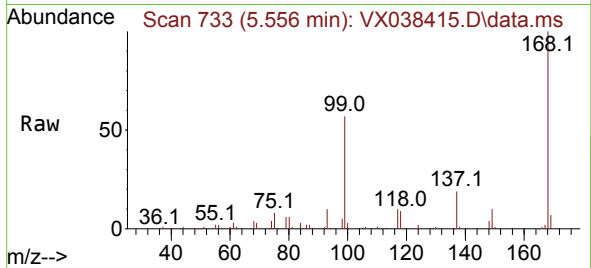




#36
1,1-Dichloropropene
Concen: 4.780 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

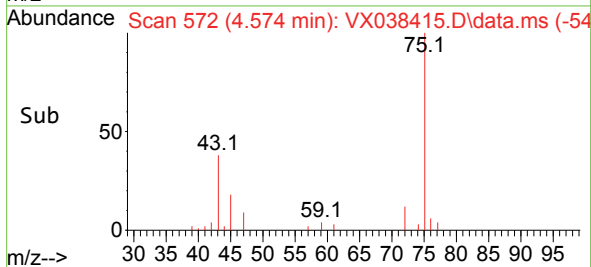
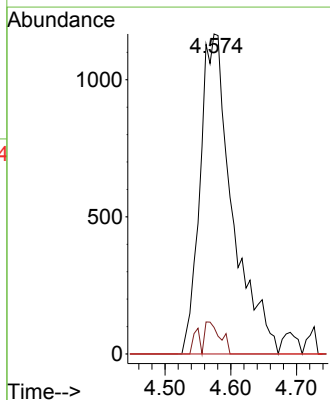
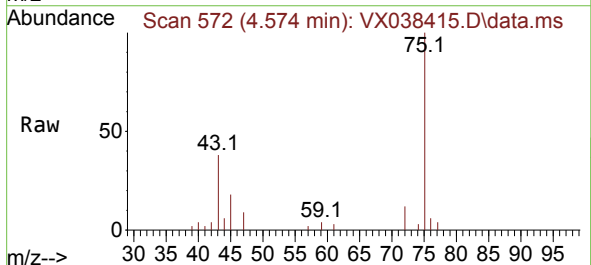
Instrument :
MSVOA_X
ClientSampleId :
1026

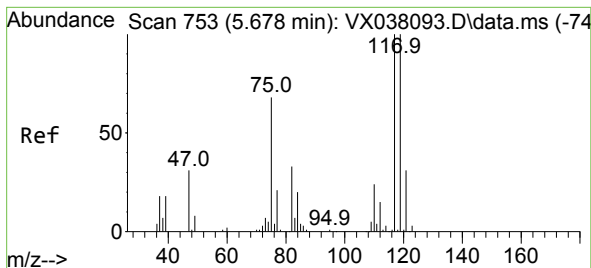
Tgt Ion: 75 Resp: 10765
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.493 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.141 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

Tgt Ion: 43 Resp: 3993
Ion Ratio Lower Upper
43 100
61 4.8 10.6 16.0#
70 0.0 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 5.847 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX038415.D

Acq: 20 Oct 2023 20:08

Instrument :

MSVOA_X

ClientSampleId :

1026

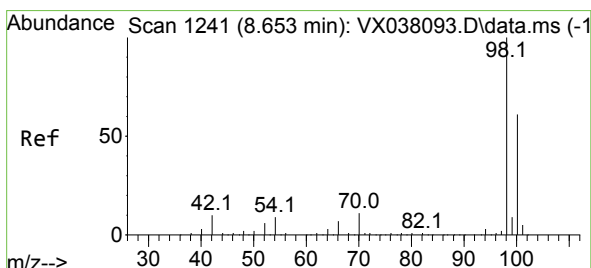
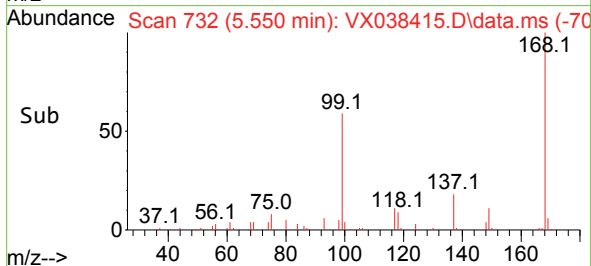
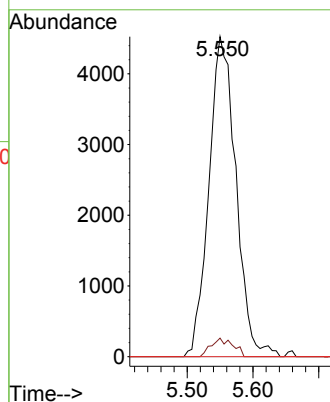
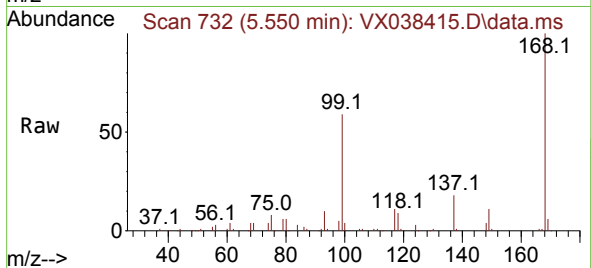
Tgt Ion:117 Resp: 12954

Ion Ratio Lower Upper

117 100

119 5.8 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 45.700 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX038415.D

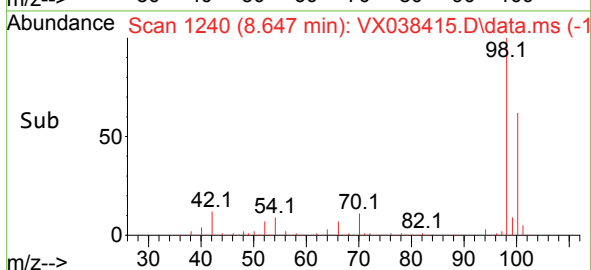
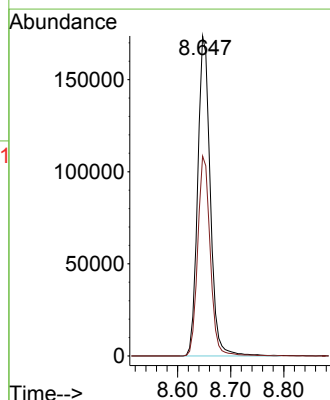
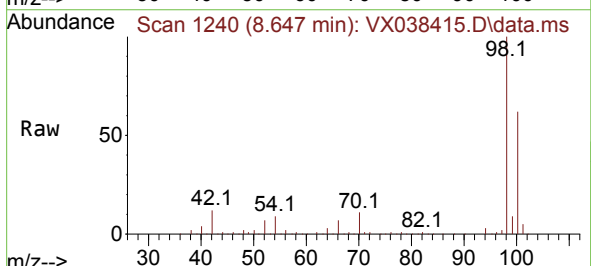
Acq: 20 Oct 2023 20:08

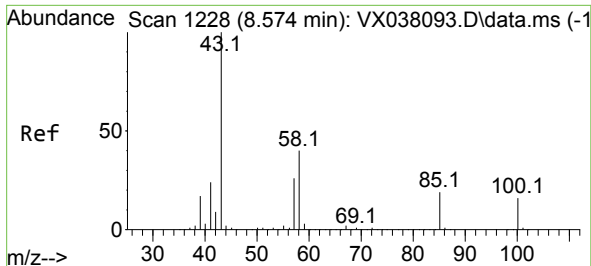
Tgt Ion: 98 Resp: 285199

Ion Ratio Lower Upper

98 100

100 62.1 53.1 79.7

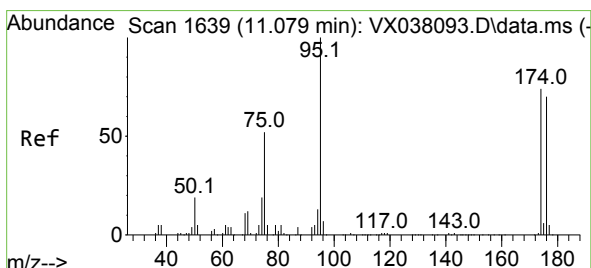
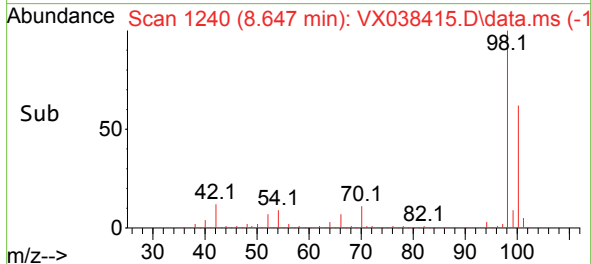
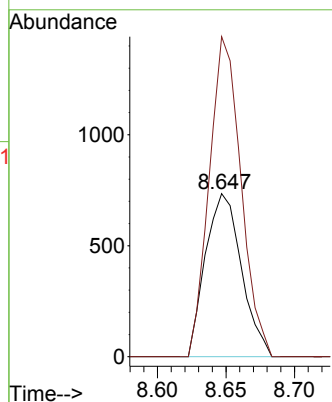
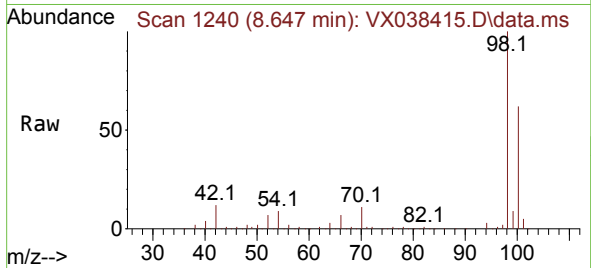




#51
4-Methyl-2-Pentanone
Concen: 0.487 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

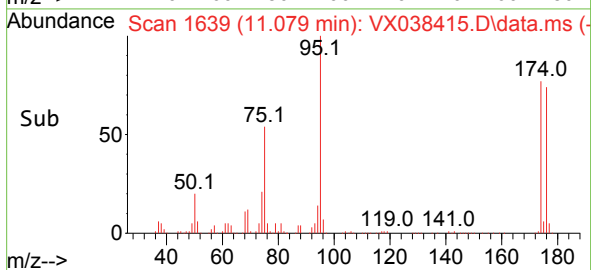
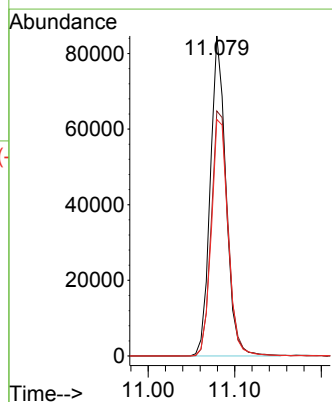
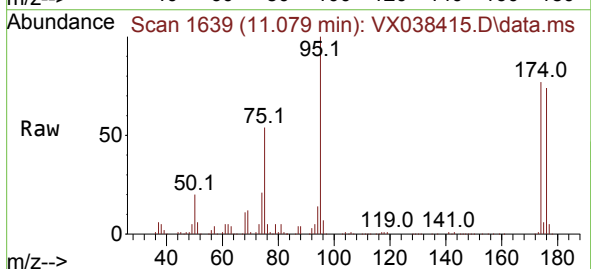
Instrument :
MSVOA_X
ClientSampleId :
1026

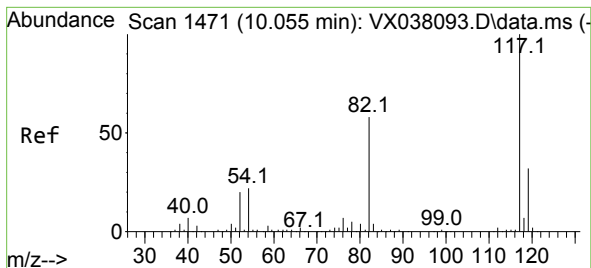
Tgt Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
58 173.7 30.4 45.6#



#62
4-Bromofluorobenzene
Concen: 44.889 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038415.D
Acq: 20 Oct 2023 20:08

Tgt Ion: 95 Resp: 106203
Ion Ratio Lower Upper
95 100
174 82.9 0.0 135.6
176 79.4 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: VX038415.D

Acq: 20 Oct 2023 20:08

Instrument :

MSVOA_X

ClientSampleId :

1026

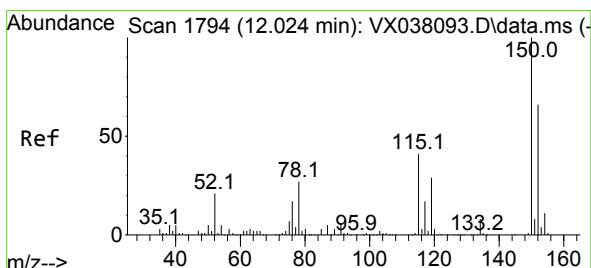
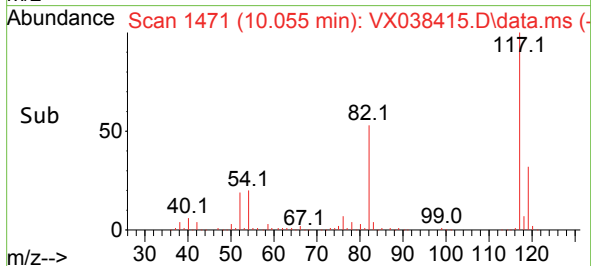
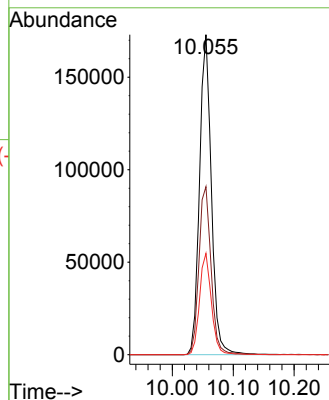
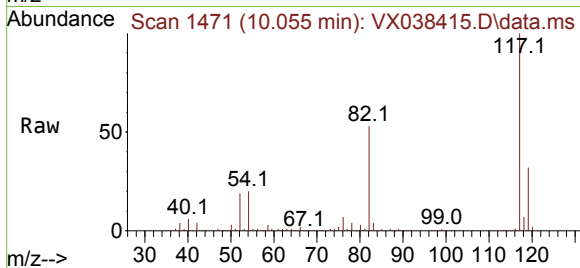
Tgt Ion:117 Resp: 232725

Ion Ratio Lower Upper

117 100

82 52.5 46.2 69.4

119 31.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX038415.D

Acq: 20 Oct 2023 20:08

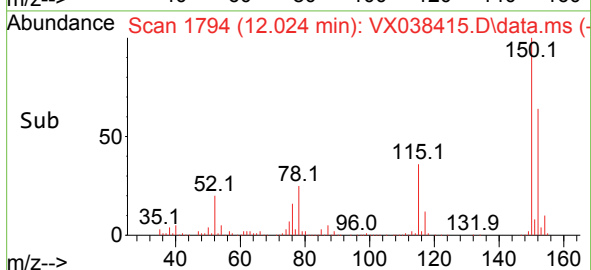
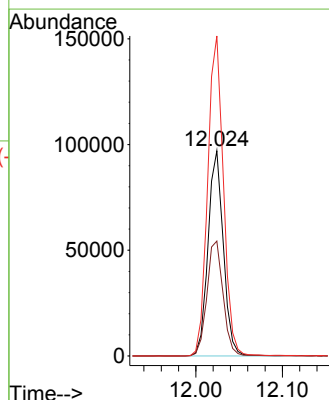
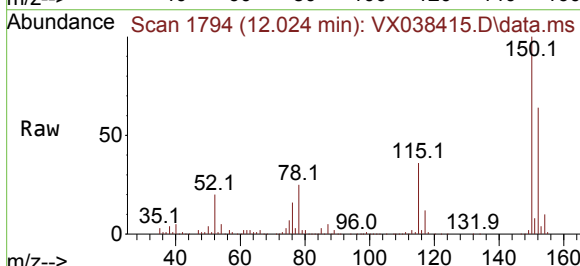
Tgt Ion:152 Resp: 119298

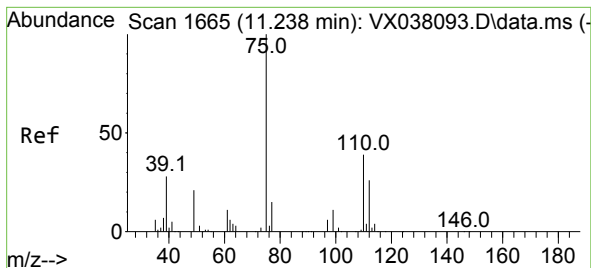
Ion Ratio Lower Upper

152 100

115 59.2 43.3 129.9

150 159.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 21.293 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038415.D

Acq: 20 Oct 2023 20:08

Instrument :

MSVOA_X

ClientSampleId :

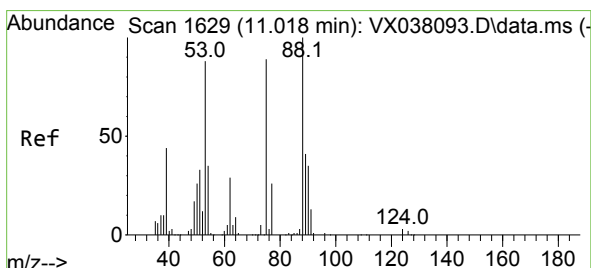
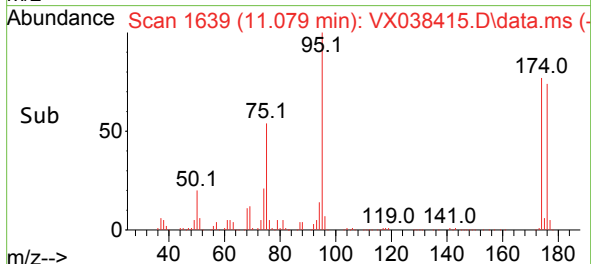
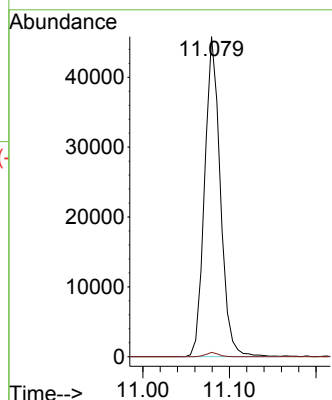
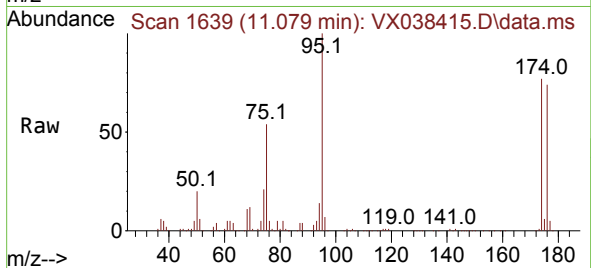
1026

Tgt Ion: 75 Resp: 57748

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.192 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038415.D

Acq: 20 Oct 2023 20:08

Tgt Ion: 75 Resp: 57748

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

