

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038970.D
 Acq On : 20 Nov 2023 19:40
 Operator : JC/MD
 Sample : 05431-14 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01-20231113

Quant Time: Nov 21 00:26:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	101618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208846	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105855	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84294	51.480	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.960%
35) Dibromofluoromethane	5.385	113	67723	44.899	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.800%
50) Toluene-d8	8.647	98	269851	46.760	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.520%
62) 4-Bromofluorobenzene	11.079	95	114126	49.402	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.800%

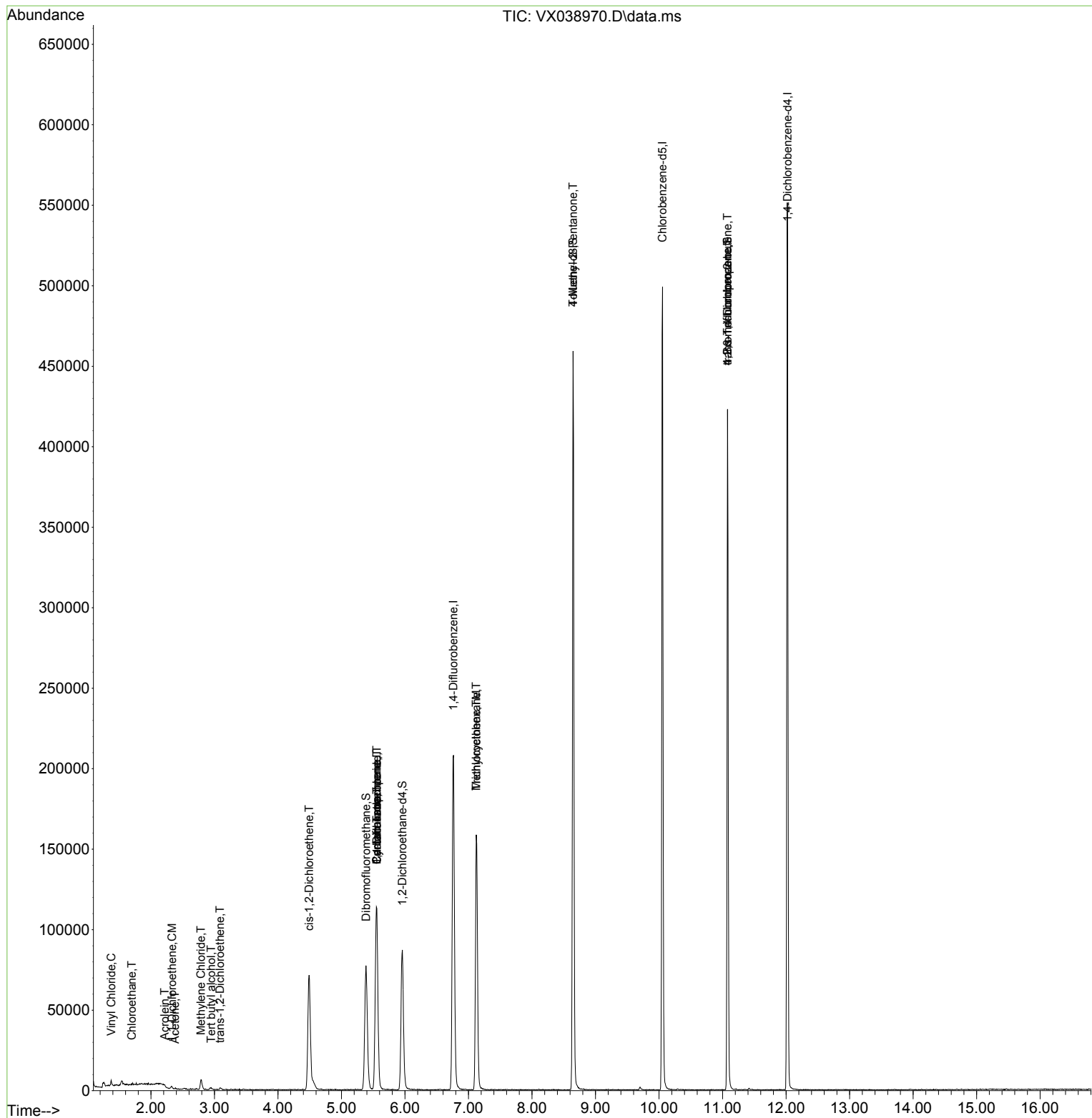
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	1986	1.332	ug/l	98
6) Chloroethane	1.697	64	203	0.239	ug/l #	43
11) Tert butyl alcohol	2.946	59	748	1.642	ug/l #	78
12) 1,1-Dichloroethene	2.331	96	469	0.370	ug/l #	54
13) Acrolein	2.215	56	92	0.382	ug/l #	1
16) Acetone	2.380	43	532	0.610	ug/l	91
20) Methylene Chloride	2.788	84	3063	1.949	ug/l #	81
21) trans-1,2-Dichloroethene	3.087	96	513	0.367	ug/l #	53
27) cis-1,2-Dichloroethene	4.489	96	45076	27.671	ug/l	87
31) Cyclohexane	5.556	56	3034	1.298	ug/l #	36
36) 1,1-Dichloropropene	5.556	75	9715	4.494	ug/l #	49
38) Carbon Tetrachloride	5.556	117	11552	5.782	ug/l #	15
39) Methylcyclohexane	7.123	83	859	0.305	ug/l #	1
44) Trichloroethene	7.123	130	59942	38.515	ug/l	100
51) 4-Methyl-2-Pentanone	8.647	43	1508	0.524	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	61971	23.464	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	61971	52.046	ug/l #	5

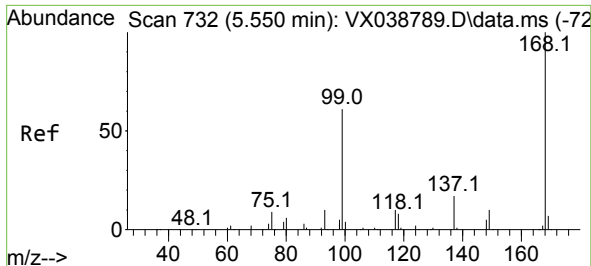
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX038970.D

Acq: 20 Nov 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

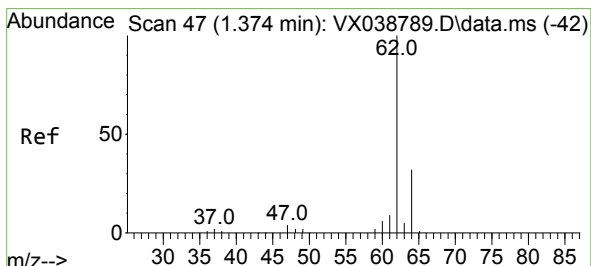
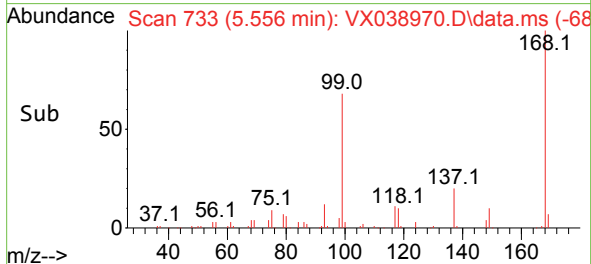
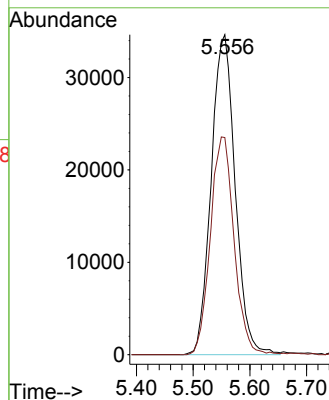
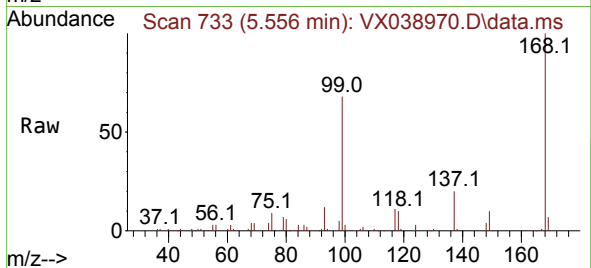
DUP-01-20231113

Tgt Ion:168 Resp: 101618

Ion Ratio Lower Upper

168 100

99 67.9 56.6 85.0



#4

Vinyl Chloride

Concen: 1.332 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX038970.D

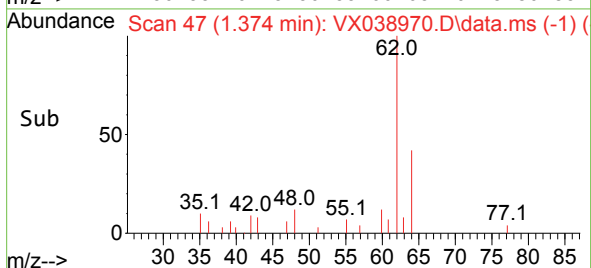
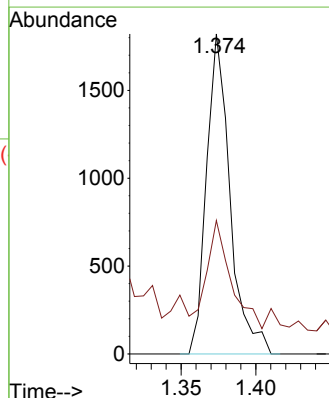
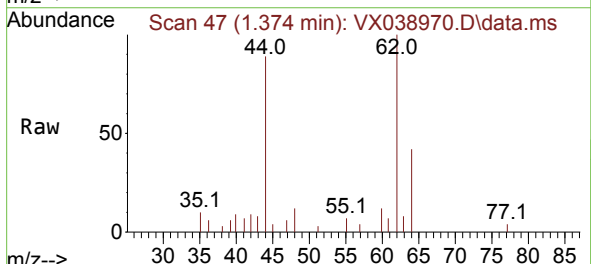
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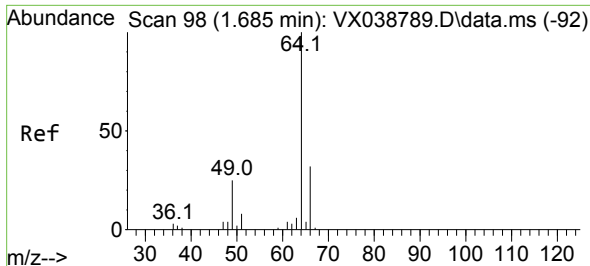
Tgt Ion: 62 Resp: 1986

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.0

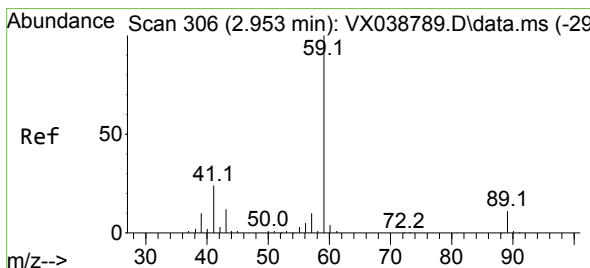
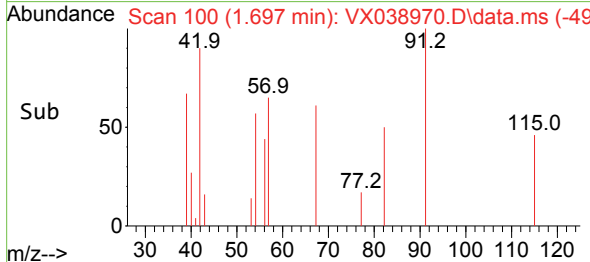
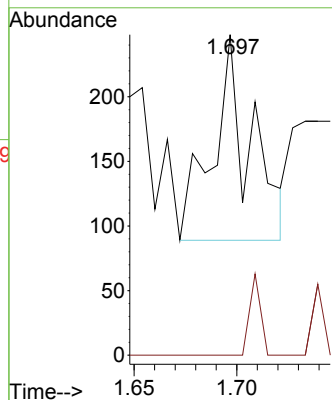
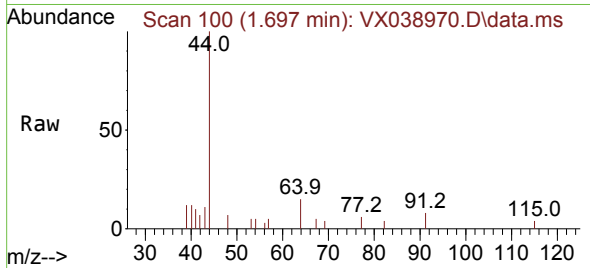




#6
Chloroethane
Concen: 0.239 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

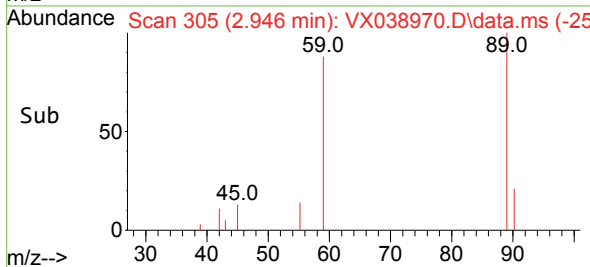
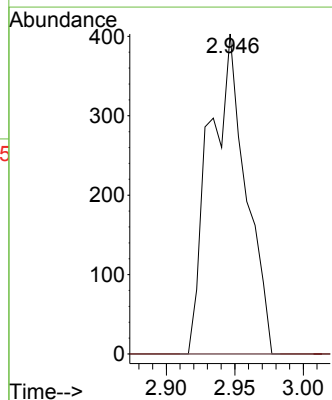
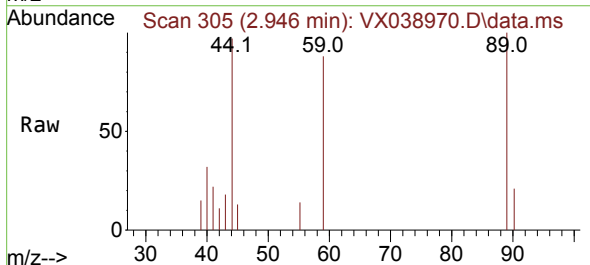
Instrument :
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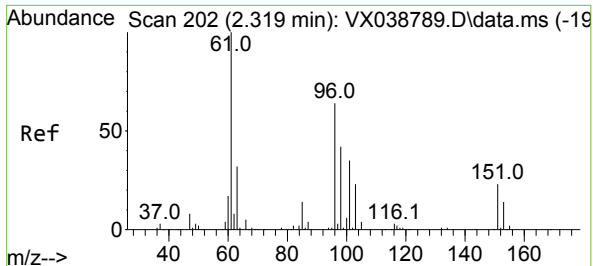
Tgt Ion: 64 Resp: 203
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.642 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

Tgt Ion: 59 Resp: 748
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

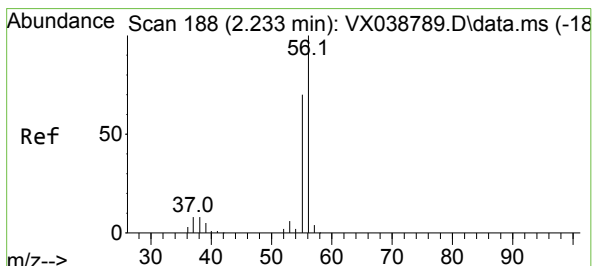
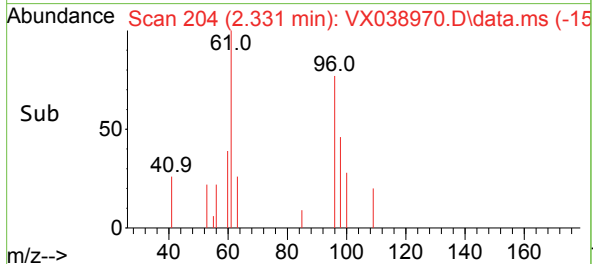
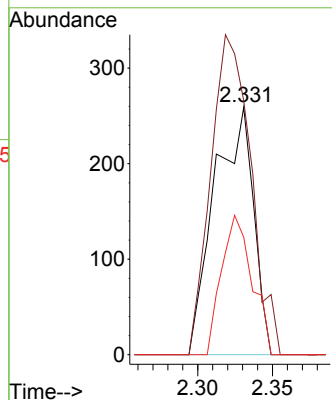
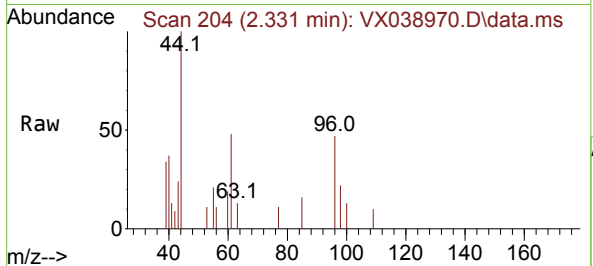




#12
1,1-Dichloroethene
Concen: 0.370 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.012 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

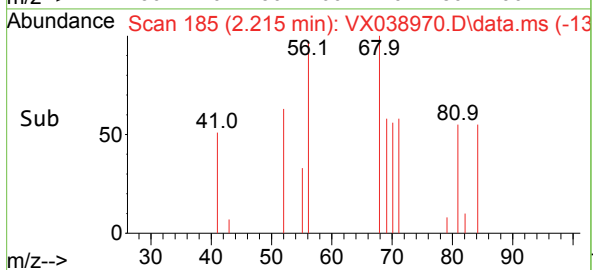
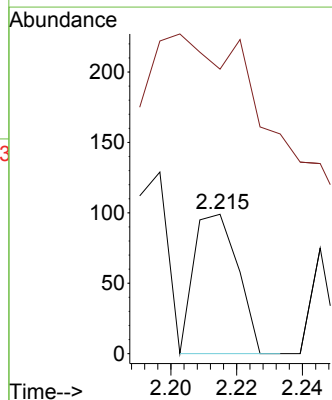
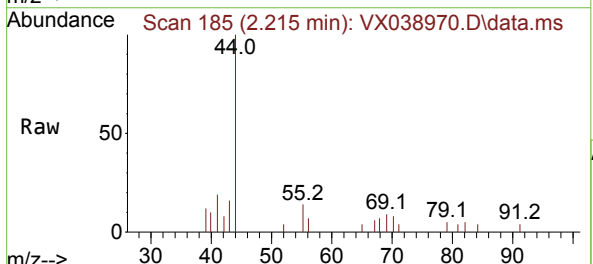
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20231113

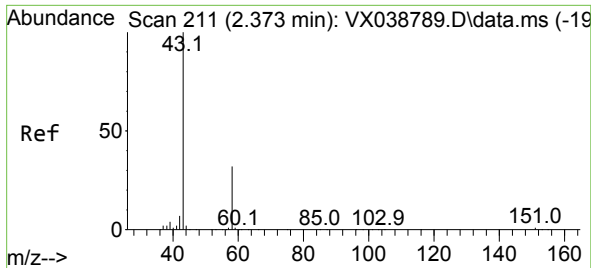
Tgt Ion: 96 Resp: 469
Ion Ratio Lower Upper
96 100
61 102.7 144.6 216.8#
98 47.5 50.4 75.6#



#13
Acrolein
Concen: 0.382 ug/l
RT: 2.215 min Scan# 185
Delta R.T. -0.018 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 737.0 57.1 85.7#





#16

Acetone

Concen: 0.610 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX038970.D

Acq: 20 Nov 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

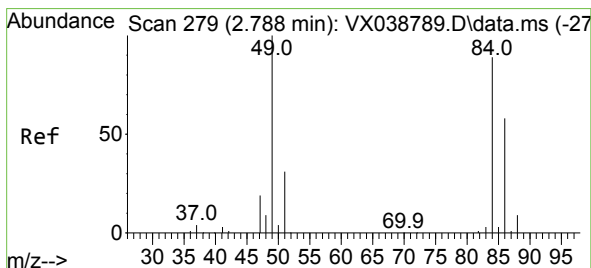
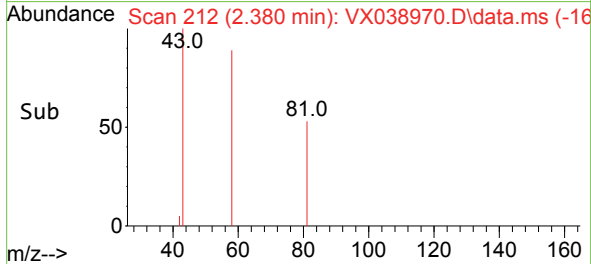
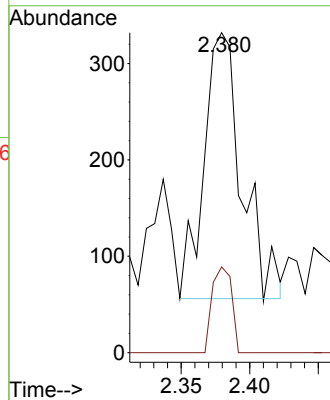
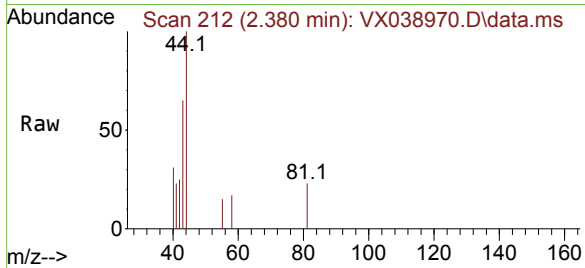
DUP-01-20231113

Tgt Ion: 43 Resp: 532

Ion Ratio Lower Upper

43 100

58 32.2 21.9 32.9



#20

Methylene Chloride

Concen: 1.949 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX038970.D

Acq: 20 Nov 2023 19:40

Tgt Ion: 84 Resp: 3063

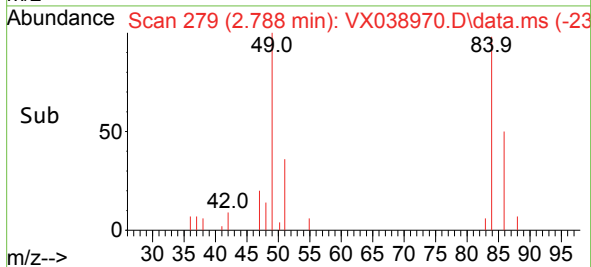
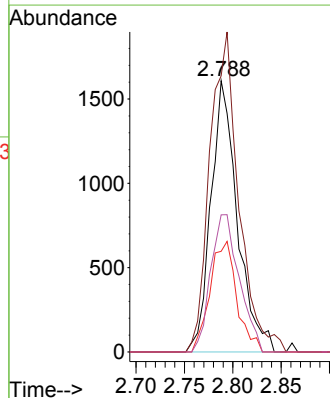
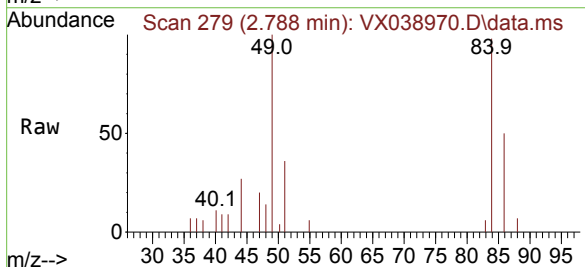
Ion Ratio Lower Upper

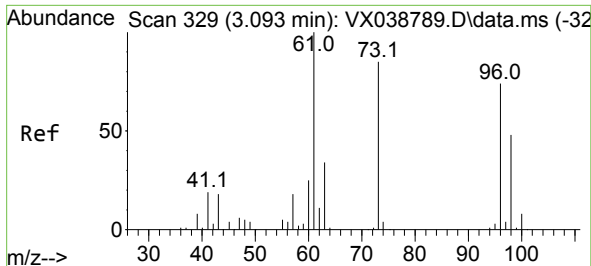
84 100

49 101.8 103.6 155.4#

51 37.1 33.8 50.6

86 50.5 49.4 74.0

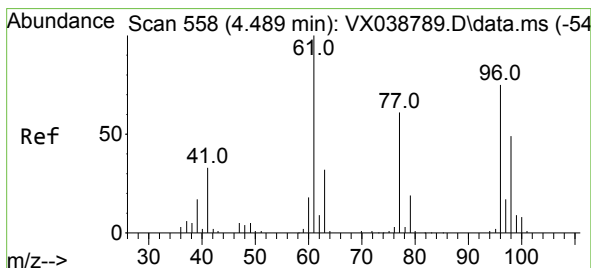
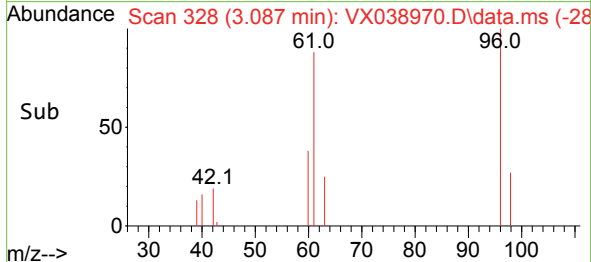
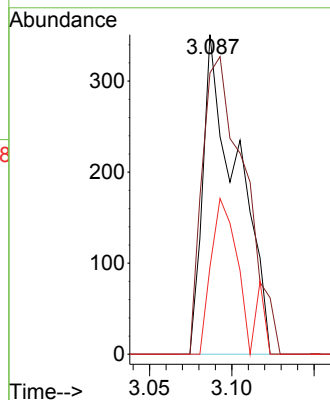
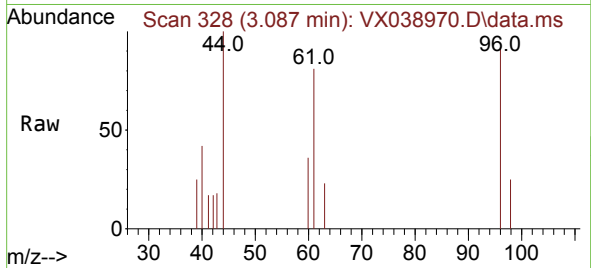




#21
trans-1,2-Dichloroethene
Concen: 0.367 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

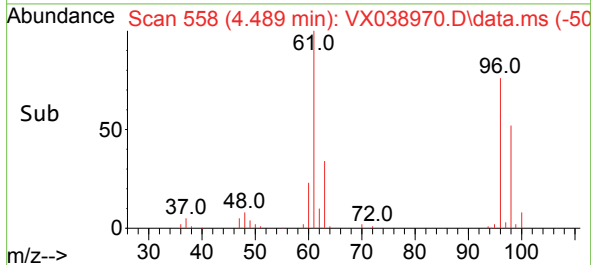
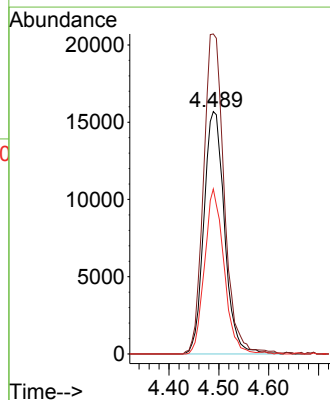
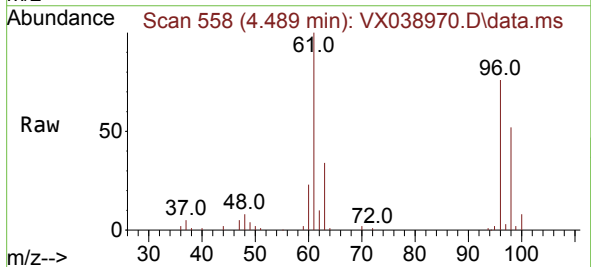
Instrument :
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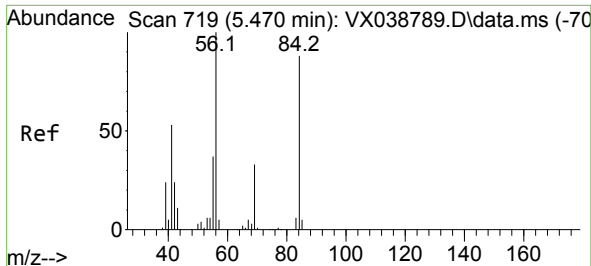
Tgt Ion: 96 Resp: 513
Ion Ratio Lower Upper
96 100
61 88.0 119.2 178.8#
98 27.4 48.7 73.1#



#27
cis-1,2-Dichloroethene
Concen: 27.671 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

Tgt Ion: 96 Resp: 45076
Ion Ratio Lower Upper
96 100
61 132.7 0.0 312.2
98 63.8 0.0 129.0

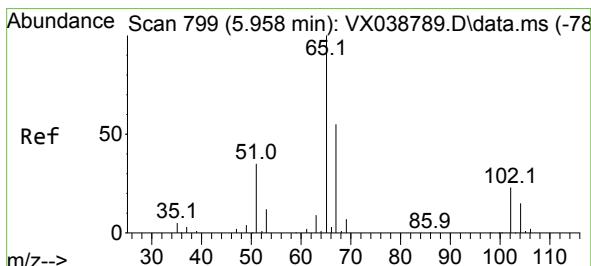
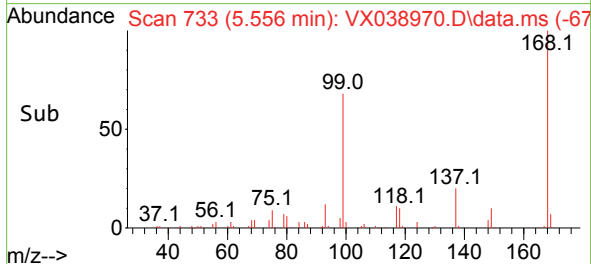
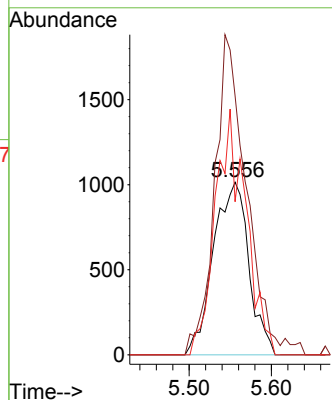
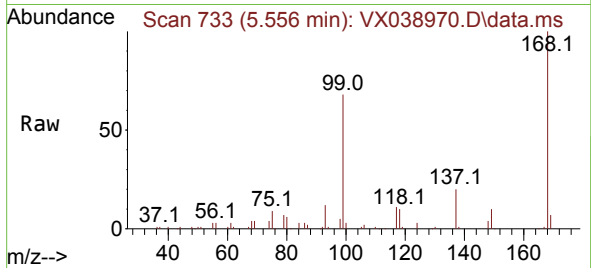




#31
Cyclohexane
Concen: 1.298 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

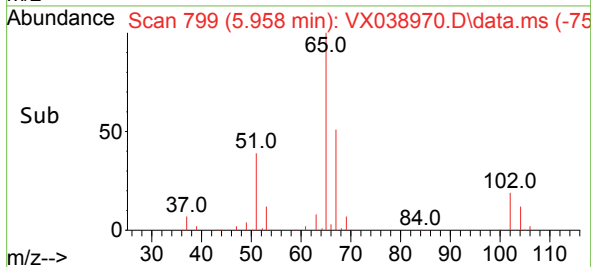
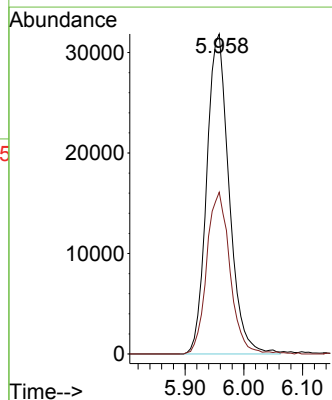
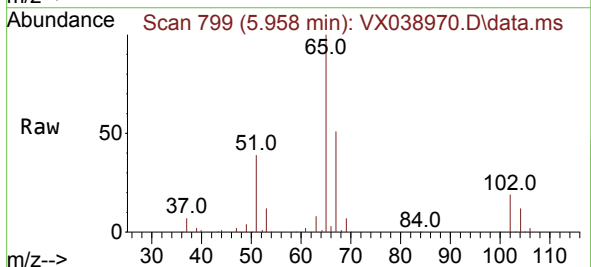
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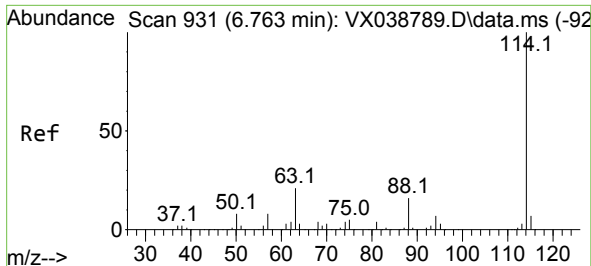
Tgt Ion: 56 Resp: 3034
Ion Ratio Lower Upper
56 100
69 150.0 23.4 35.2#
84 88.7 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 51.480 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

Tgt Ion: 65 Resp: 84294
Ion Ratio Lower Upper
65 100
67 52.7 0.0 100.2

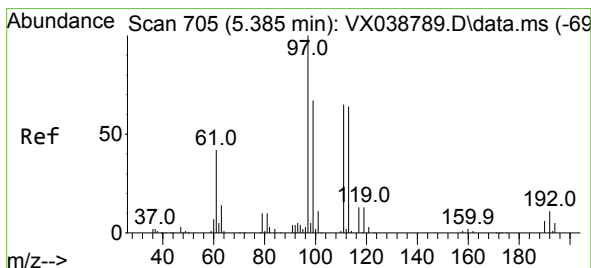
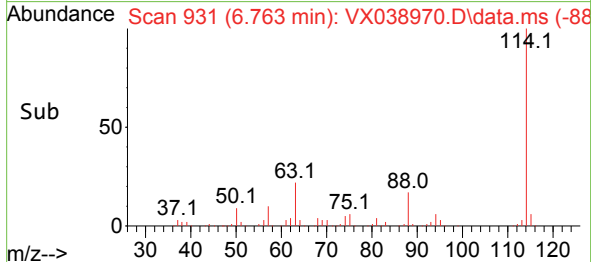
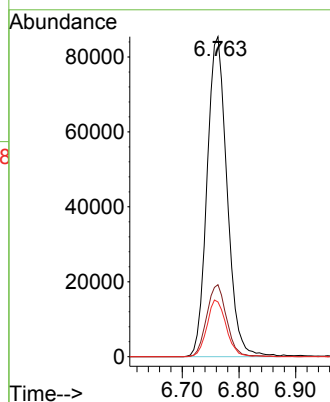
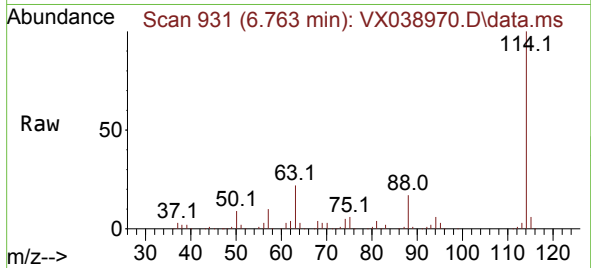




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

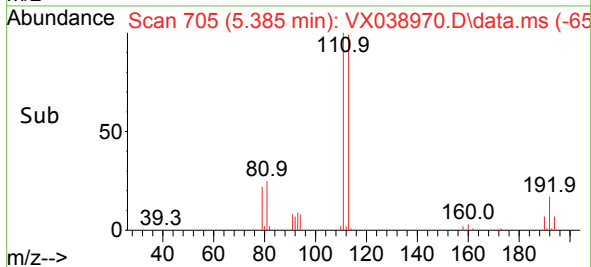
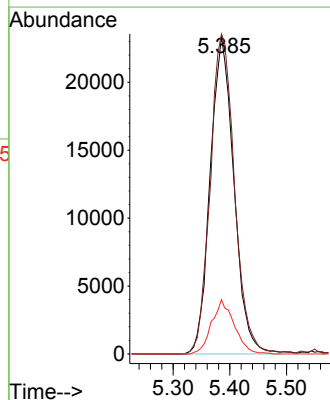
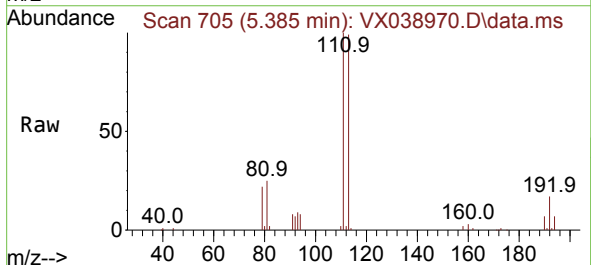
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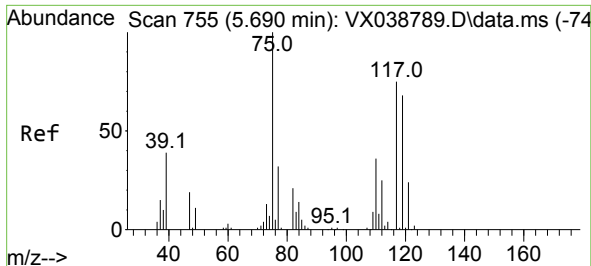
Tgt Ion:114 Resp: 208846
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.0
88 17.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.899 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

Tgt Ion:113 Resp: 67723
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 16.3 13.3 19.9

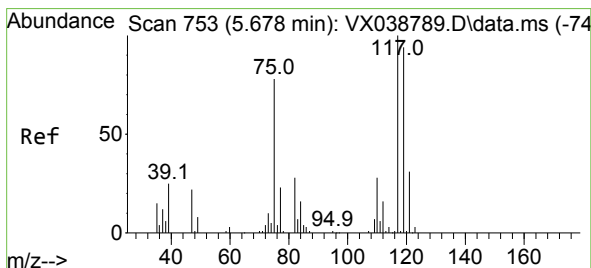
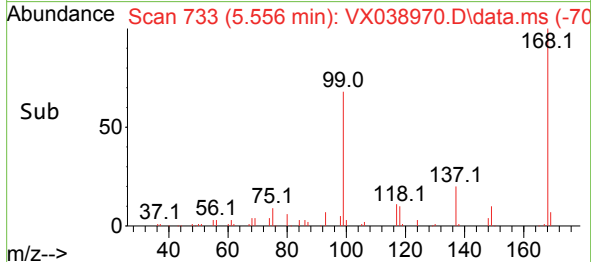
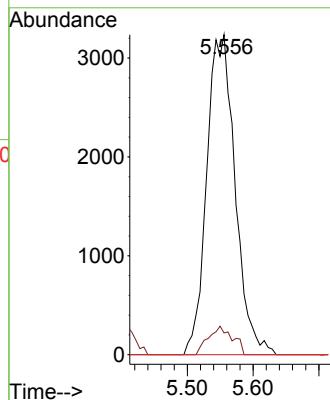
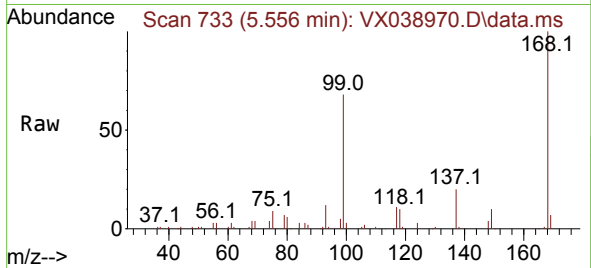




#36
1,1-Dichloropropene
Concen: 4.494 ug/l
RT: 5.556 min Scan# 715
Delta R.T. -0.134 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

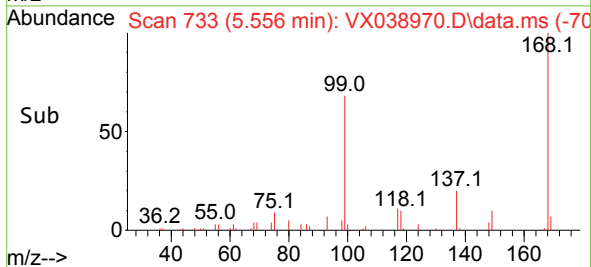
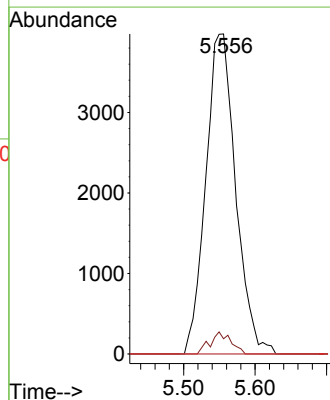
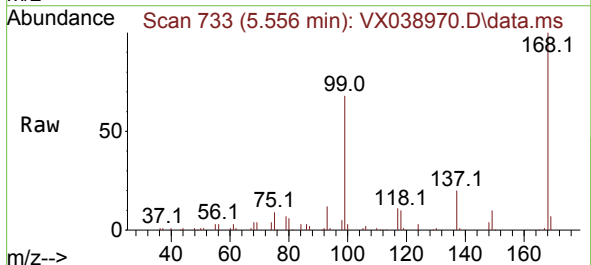
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20231113

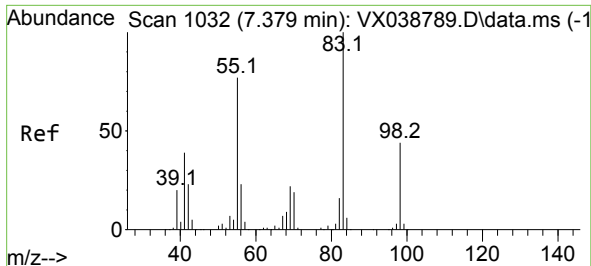
Tgt Ion: 75 Resp: 9715
Ion Ratio Lower Upper
75 100
110 7.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.782 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

Tgt Ion: 117 Resp: 11552
Ion Ratio Lower Upper
117 100
119 4.8 78.2 117.2#
121 0.0 24.4 36.6#

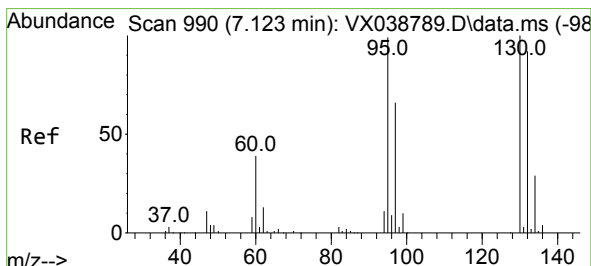
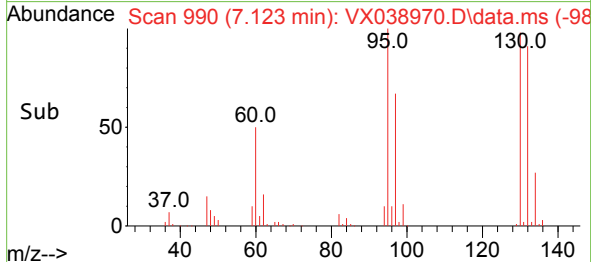
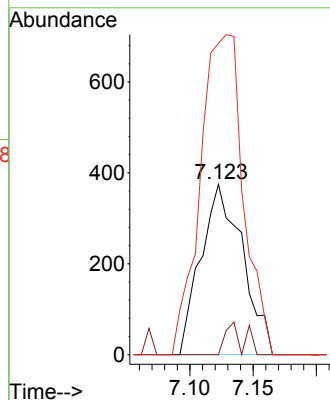
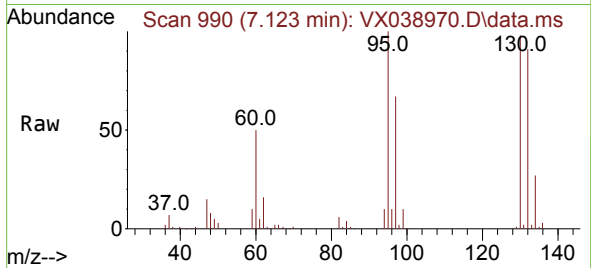




#39
Methylcyclohexane
Concen: 0.305 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

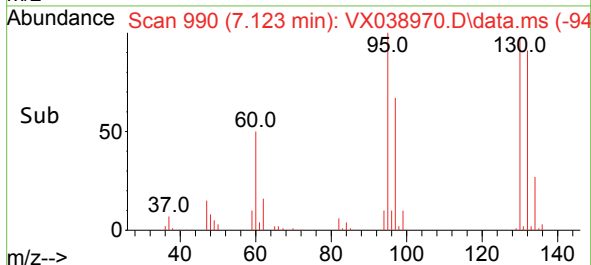
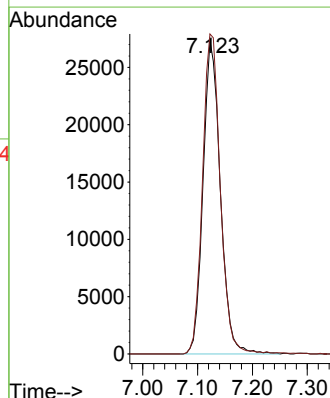
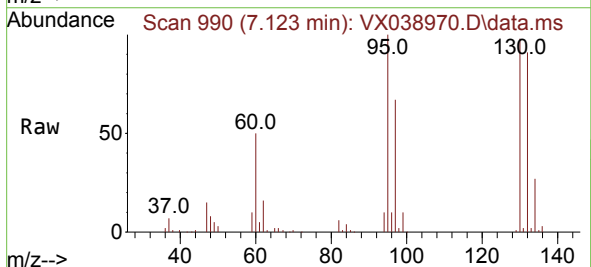
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20231113

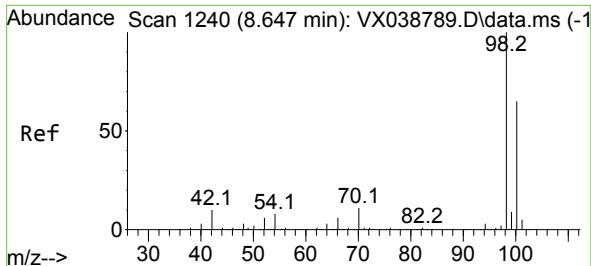
Tgt Ion: 83 Resp: 859
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 182.7 36.7 55.1#



#44
Trichloroethene
Concen: 38.515 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

Tgt Ion:130 Resp: 59942
Ion Ratio Lower Upper
130 100
95 102.1 0.0 204.4

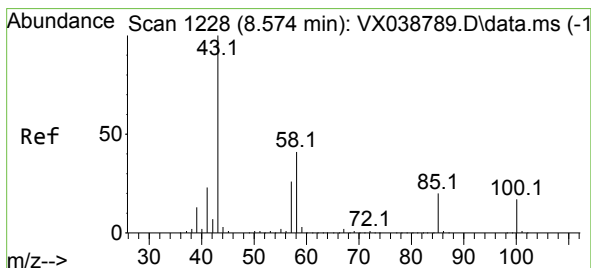
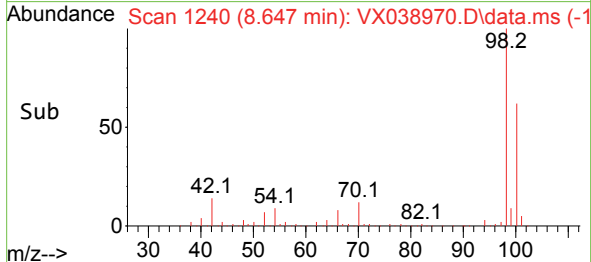
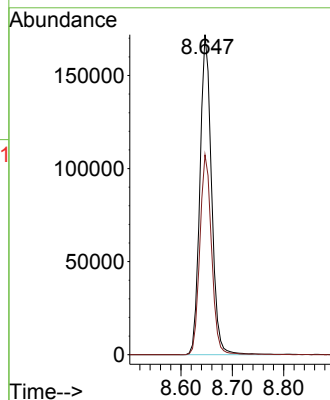
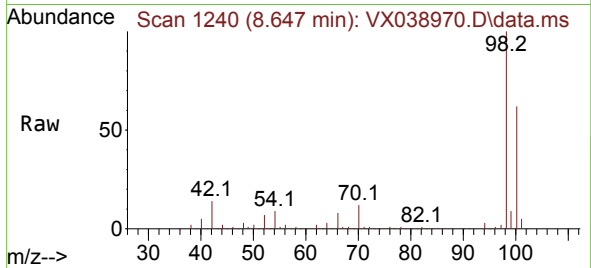




#50
Toluene-d8
Concen: 46.760 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

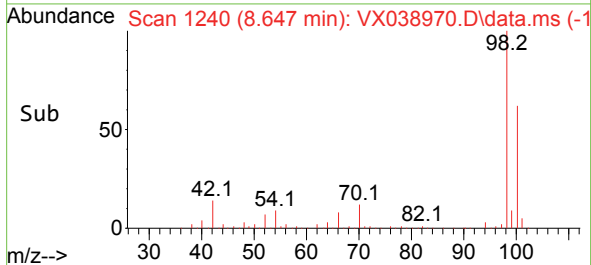
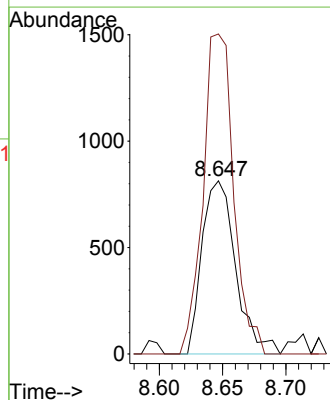
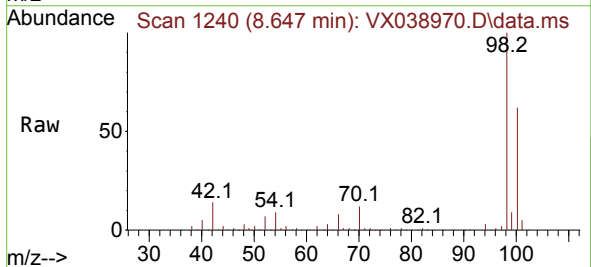
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20231113

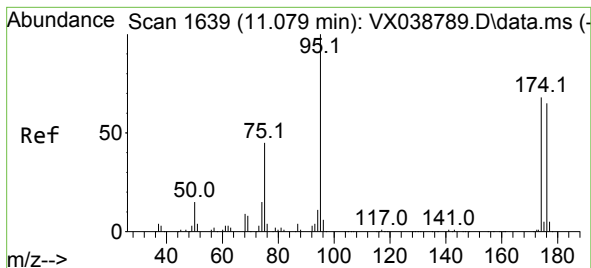
Tgt Ion: 98 Resp: 269851
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.524 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

Tgt Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
58 168.2 30.4 45.6#

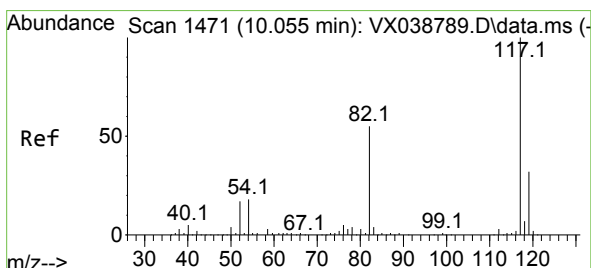
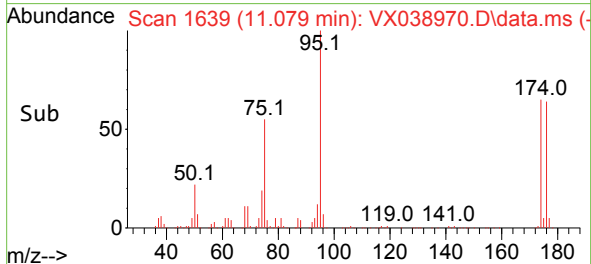
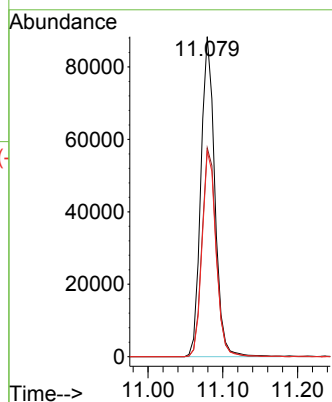
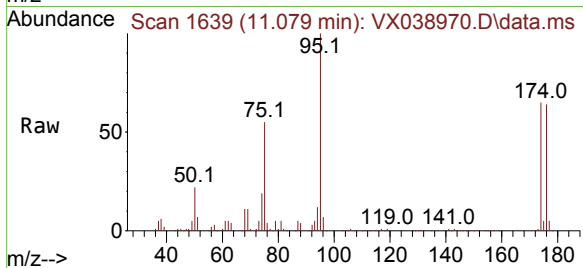




#62
4-Bromofluorobenzene
Concen: 49.402 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

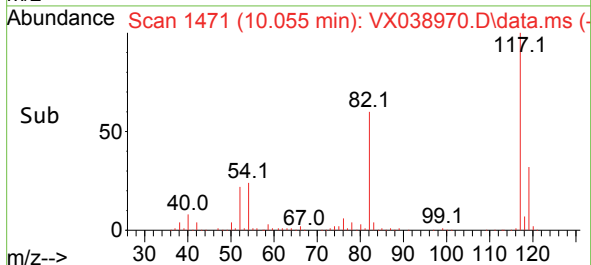
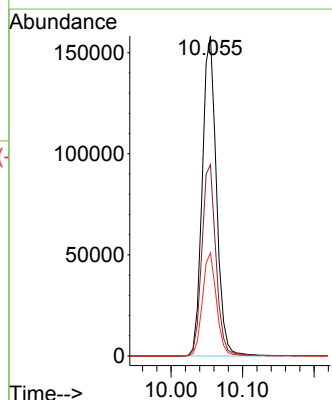
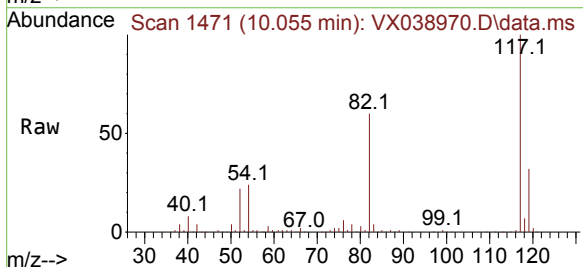
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20231113

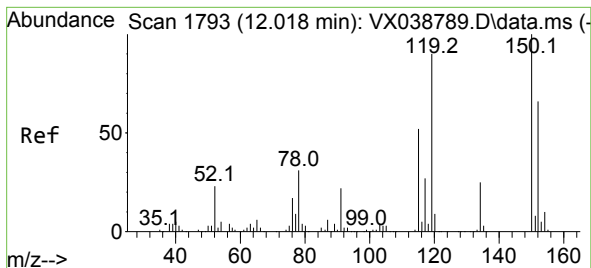
Tgt Ion: 95 Resp: 114126
Ion Ratio Lower Upper
95 100
174 66.5 0.0 135.6
176 64.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038970.D
Acq: 20 Nov 2023 19:40

Tgt Ion: 117 Resp: 217711
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 32.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX038970.D

Acq: 20 Nov 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20231113

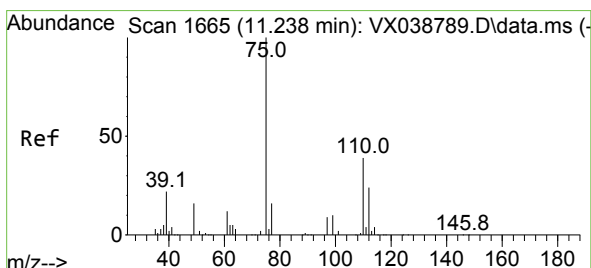
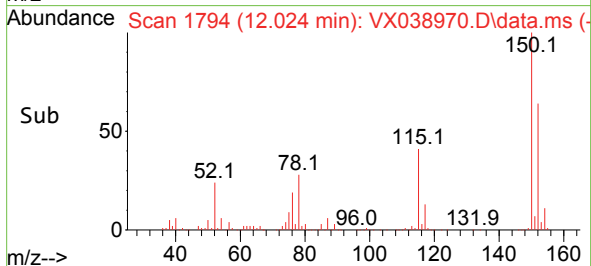
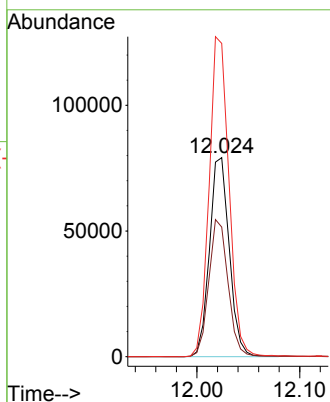
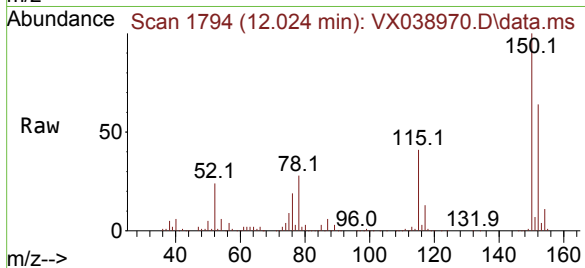
Tgt Ion:152 Resp: 105855

Ion Ratio Lower Upper

152 100

115 67.3 43.3 129.9

150 161.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.464 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038970.D

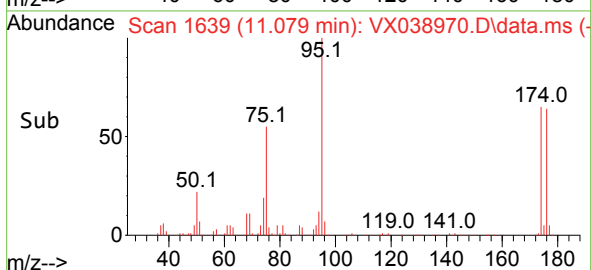
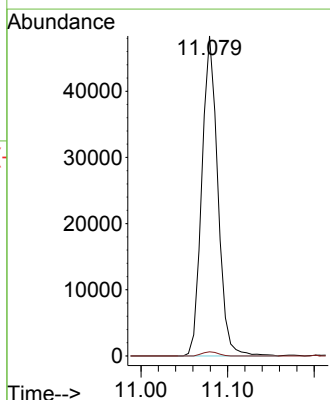
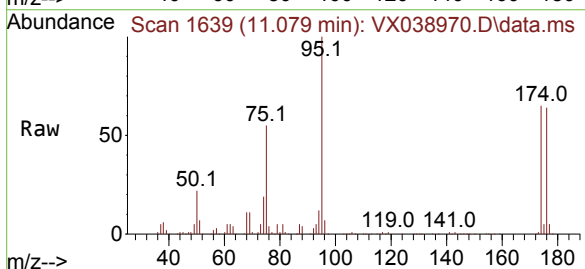
Acq: 20 Nov 2023 19:40

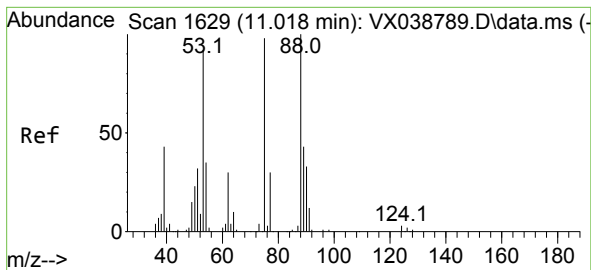
Tgt Ion: 75 Resp: 61971

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.046 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038970.D
 Acq: 20 Nov 2023 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01-20231113

Tgt Ion: 75 Resp: 61971
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

