

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052423\
 Data File : VX035841.D
 Acq On : 24 May 2023 17:11
 Operator : JC/MD
 Sample : 02911-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20230522

Quant Time: May 25 05:33:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

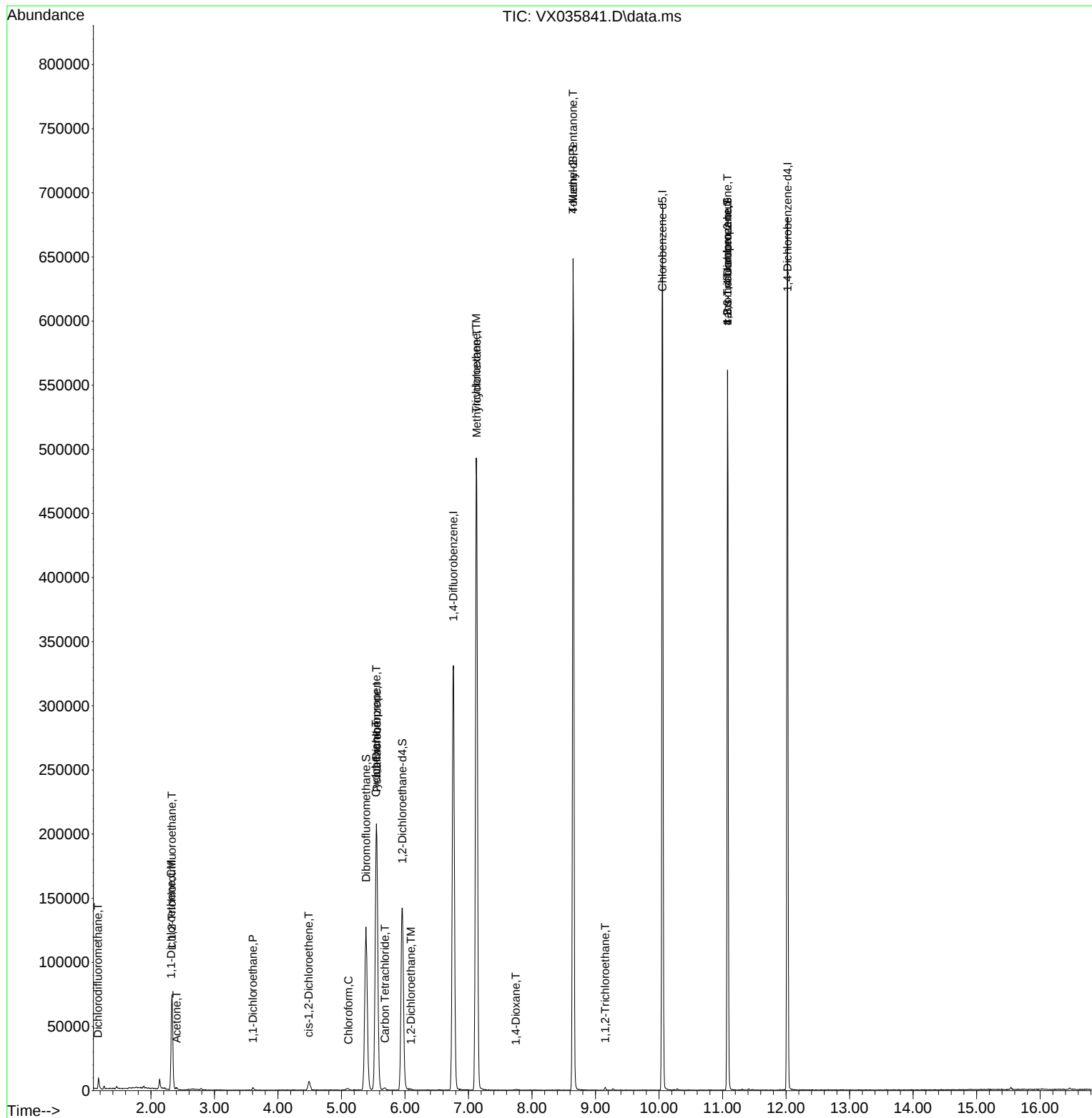
Internal Standards						
1) Pentafluorobenzene	5.556	168	189458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	332727	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	289533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140184	42.414	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.820%
35) Dibromofluoromethane	5.385	113	106916	47.647	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.300%
50) Toluene-d8	8.647	98	367040	44.278	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.560%#
62) 4-Bromofluorobenzene	11.079	95	144709	43.356	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1185	0.480	ug/l #	58
9) 1,1,2-Trichlorotrifluo...	2.331	101	27851	12.546	ug/l	96
12) 1,1-Dichloroethene	2.319	96	2156	1.022	ug/l #	86
16) Acetone	2.404	43	1887	1.328	ug/l	95
24) 1,1-Dichloroethane	3.605	63	1946	0.411	ug/l #	94
27) cis-1,2-Dichloroethene	4.483	96	3962	1.426	ug/l	88
30) Chloroform	5.111	83	1553	0.320	ug/l #	77
31) Cyclohexane	5.544	56	4695	1.124	ug/l #	29
36) 1,1-Dichloropropene	5.550	75	16749	4.729	ug/l #	50
38) Carbon Tetrachloride	5.684	117	1495	0.446	ug/l #	77
39) Methylcyclohexane	7.129	83	2291	0.549	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	891	0.209	ug/l #	75
44) Trichloroethene	7.123	130	186627	74.282	ug/l	96
49) 1,4-Dioxane	7.745	88	850	14.057	ug/l #	70
51) 4-Methyl-2-Pentanone	8.647	43	1919	0.517	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	752	0.306	ug/l #	68
76) 1,2,3-Trichloropropane	11.079	75	75660	22.369	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	75660	72.093	ug/l #	8

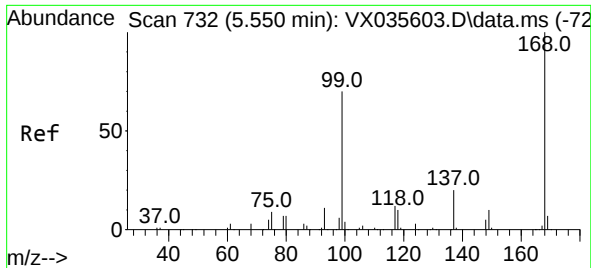
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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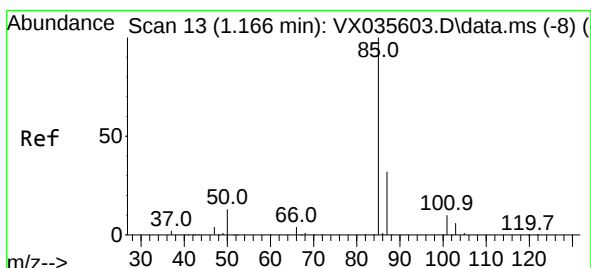
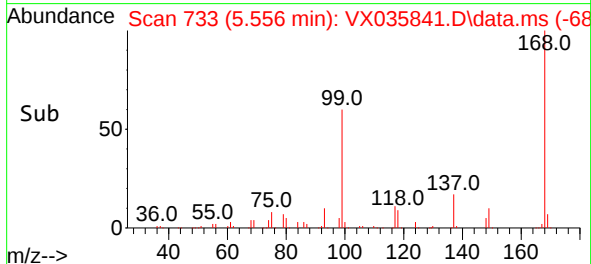
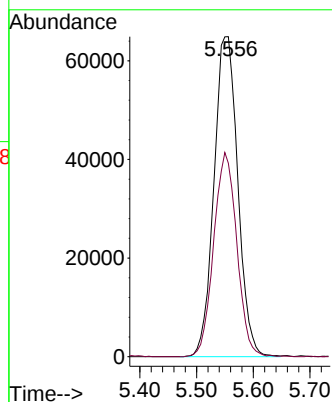
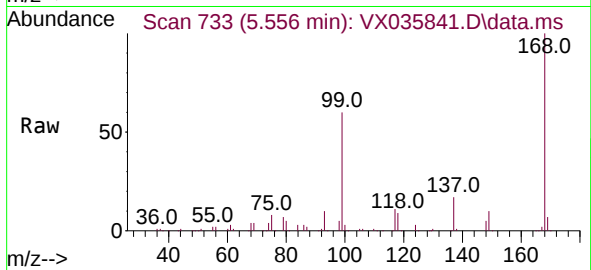




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

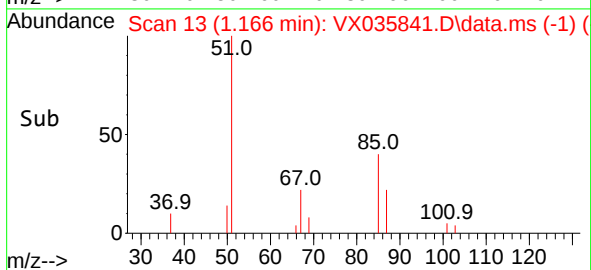
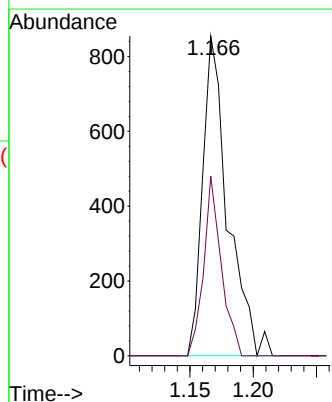
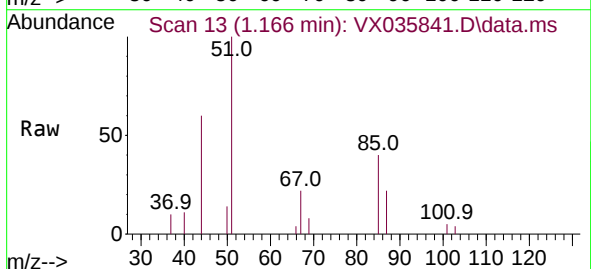
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230522

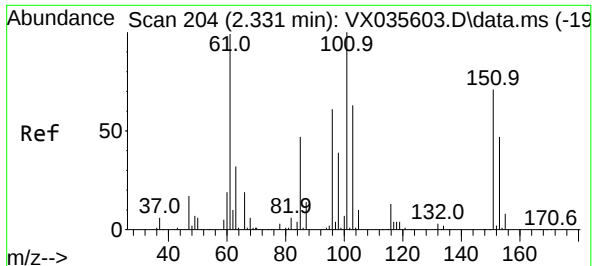
Tgt Ion:168 Resp: 189458
Ion Ratio Lower Upper
168 100
99 60.4 45.7 68.5



#2
Dichlorodifluoromethane
Concen: 0.480 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Tgt Ion: 85 Resp: 1185
Ion Ratio Lower Upper
85 100
87 56.1 16.4 49.1#

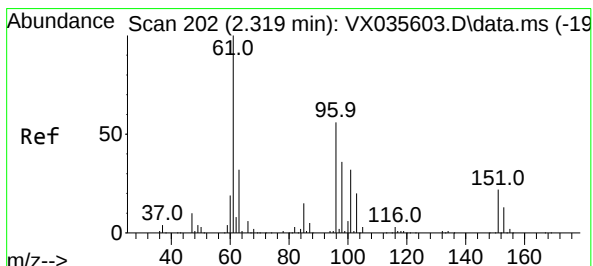
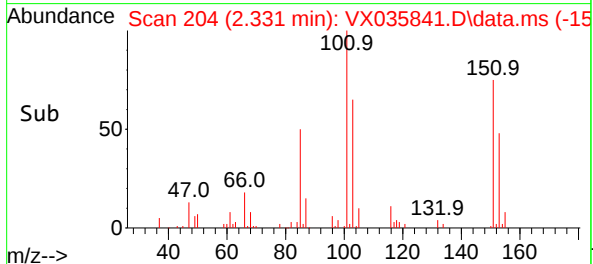
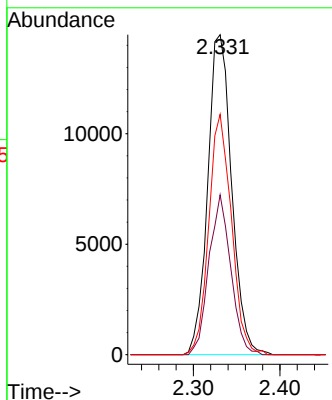
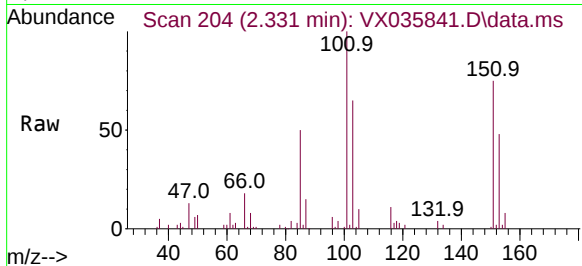




#9
1,1,2-Trichlorotrifluoroethane
Concen: 12.546 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

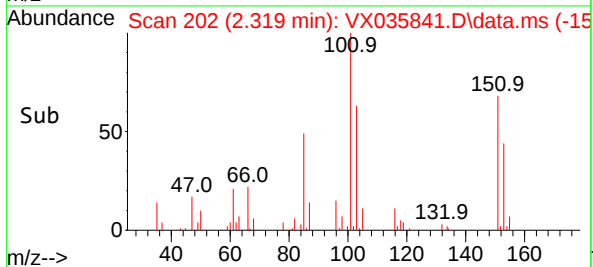
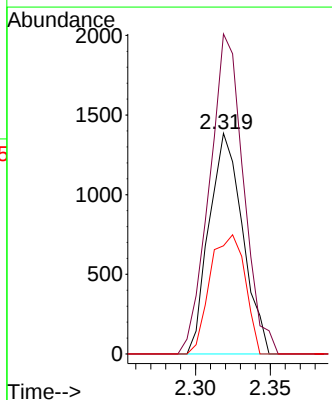
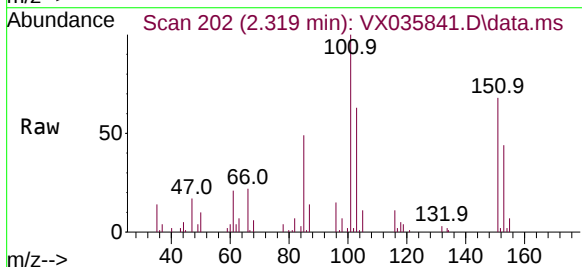
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230522

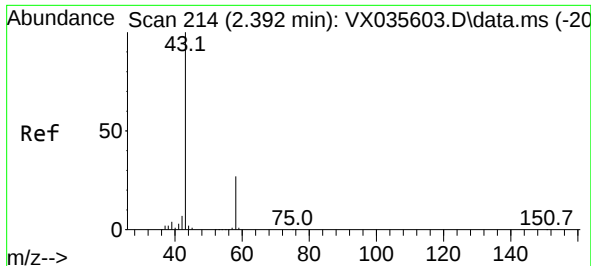
Tgt Ion:101 Resp: 27851
Ion Ratio Lower Upper
101 100
85 45.6 35.4 53.2
151 71.1 60.2 90.4



#12
1,1-Dichloroethene
Concen: 1.022 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Tgt Ion: 96 Resp: 2156
Ion Ratio Lower Upper
96 100
61 145.1 128.8 193.2
98 49.0 51.4 77.0#





#16

Acetone

Concen: 1.328 ug/l

RT: 2.404 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX035841.D

Acq: 24 May 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

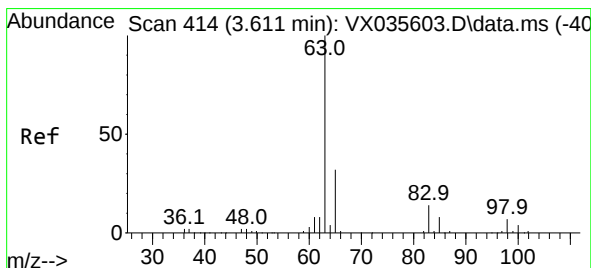
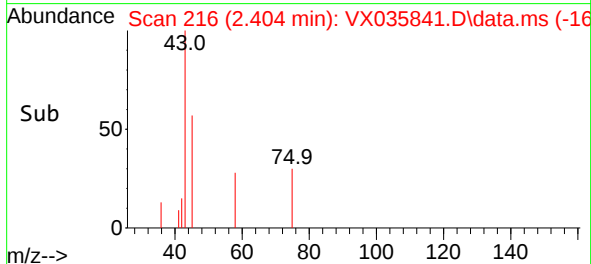
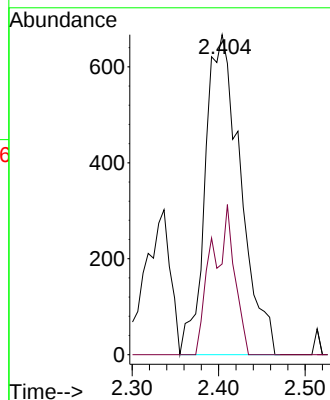
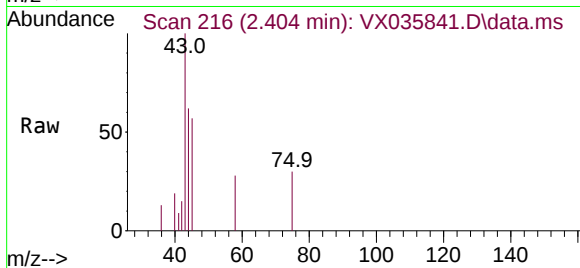
RE114D2-20230522

Tgt Ion: 43 Resp: 1887

Ion Ratio Lower Upper

43 100

58 28.3 24.7 37.1



#24

1,1-Dichloroethane

Concen: 0.411 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.006 min

Lab File: VX035841.D

Acq: 24 May 2023 17:11

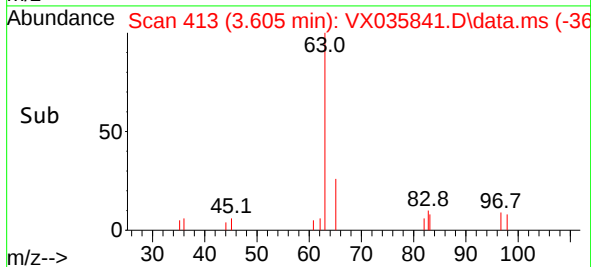
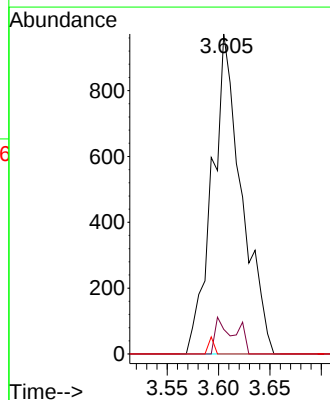
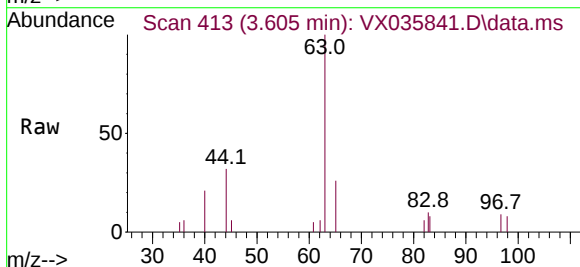
Tgt Ion: 63 Resp: 1946

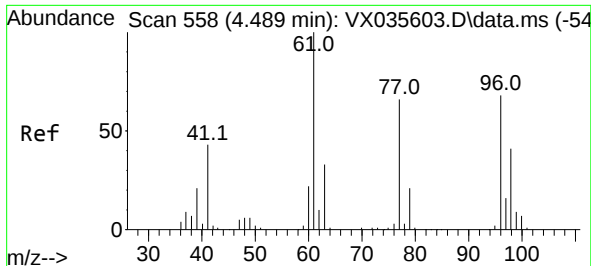
Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

100 0.0 2.4 7.1





#27

cis-1,2-Dichloroethene

Concen: 1.426 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX035841.D

Acq: 24 May 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20230522

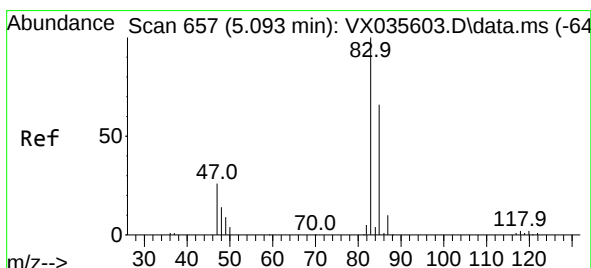
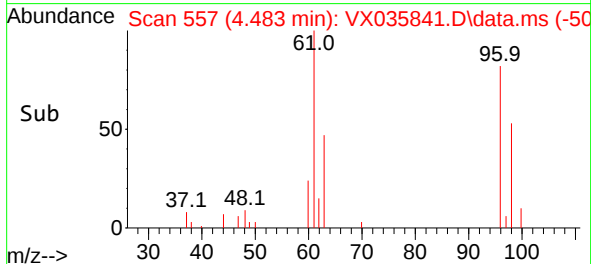
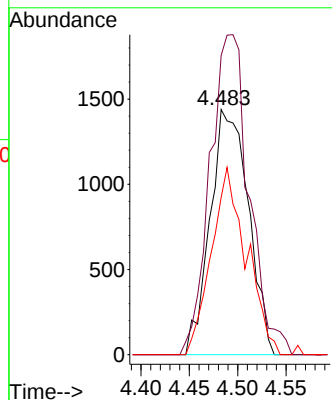
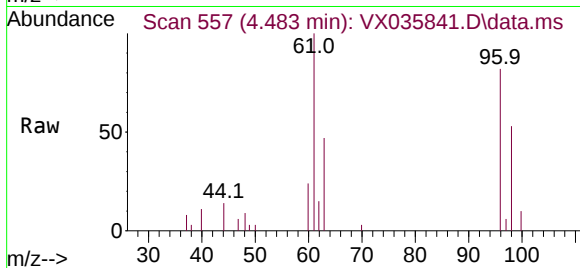
Tgt Ion: 96 Resp: 3962

Ion Ratio Lower Upper

96 100

61 133.2 0.0 300.4

98 70.2 0.0 129.0



#30

Chloroform

Concen: 0.320 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.018 min

Lab File: VX035841.D

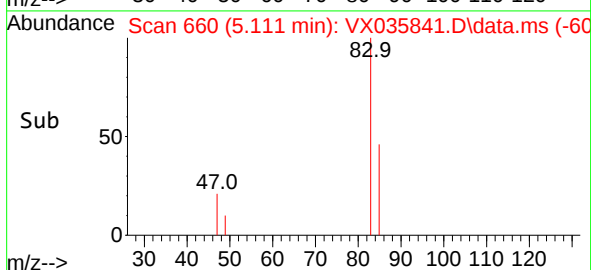
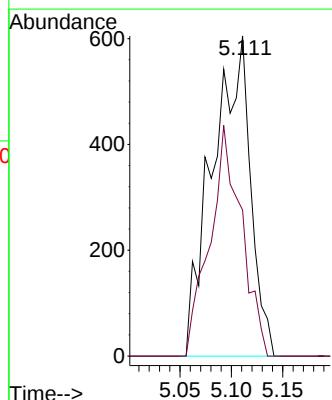
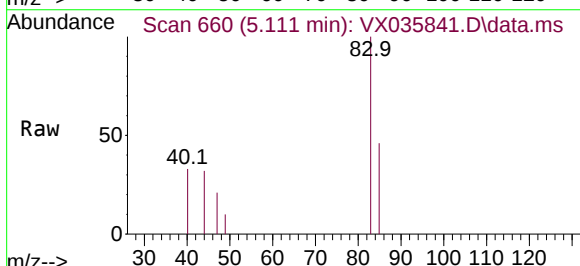
Acq: 24 May 2023 17:11

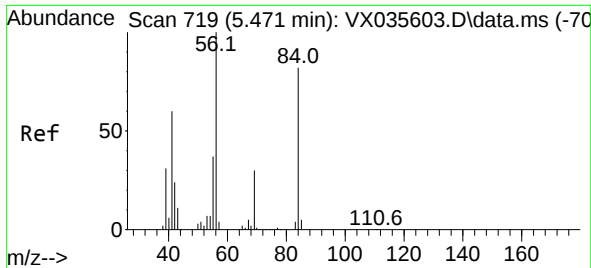
Tgt Ion: 83 Resp: 1553

Ion Ratio Lower Upper

83 100

85 45.6 50.6 76.0#

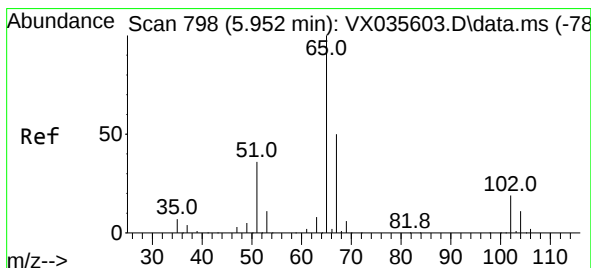
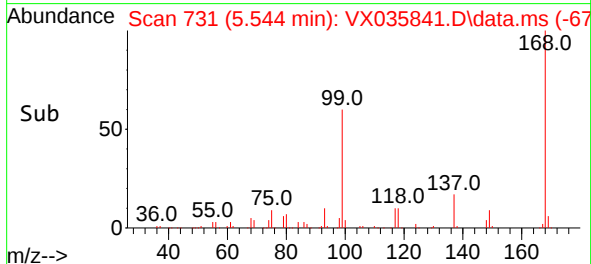
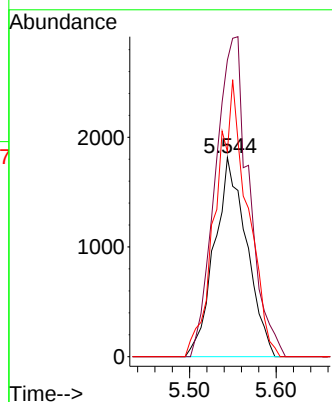
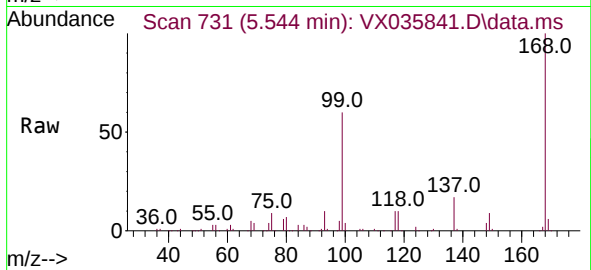




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

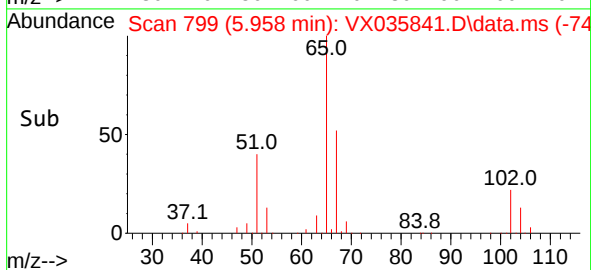
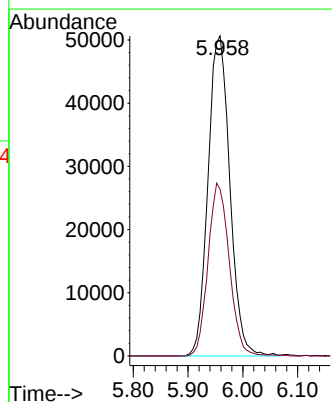
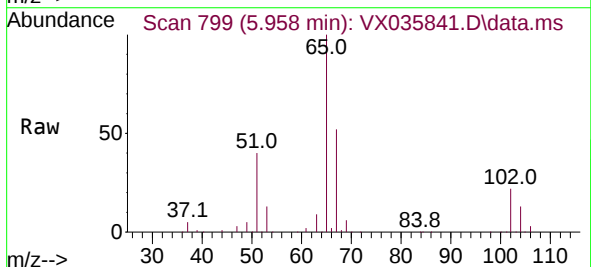
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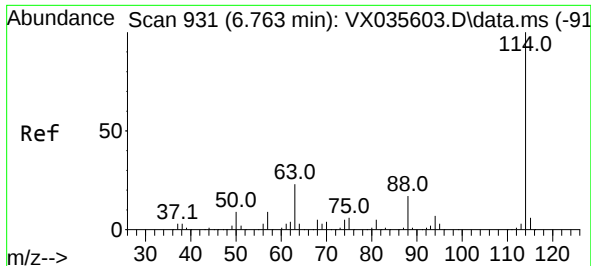
Tgt Ion: 56 Resp: 4695
Ion Ratio Lower Upper
56 100
69 149.0 23.7 35.5#
84 102.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 42.414 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Tgt Ion: 65 Resp: 140184
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0

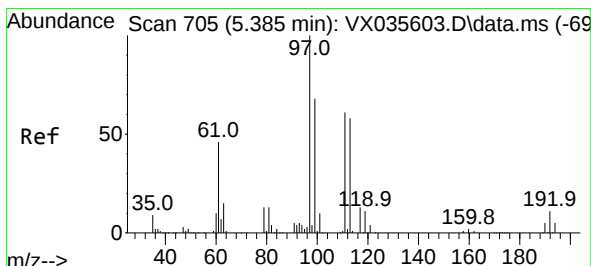
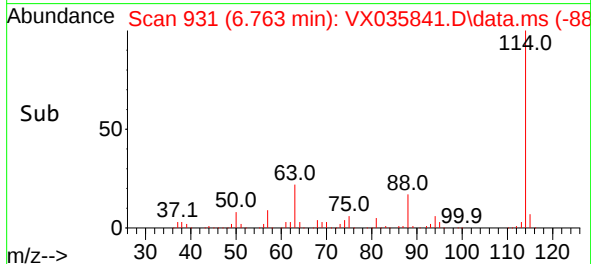
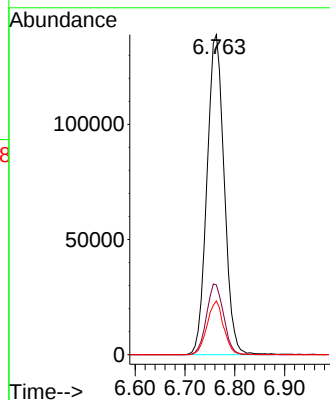
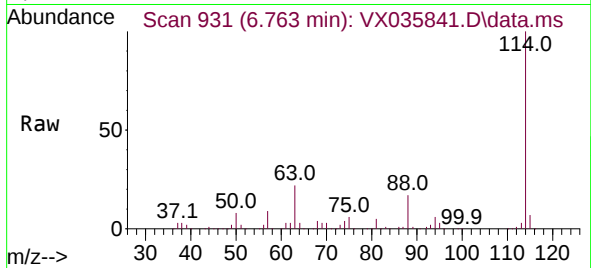




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

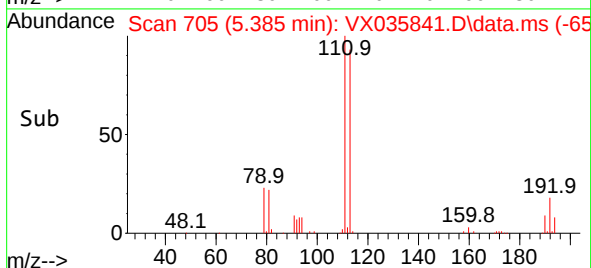
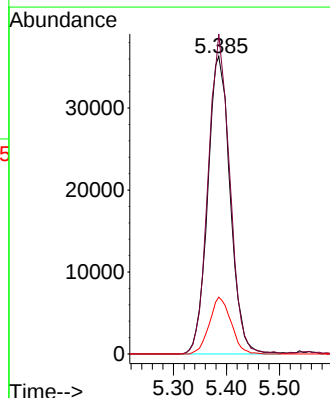
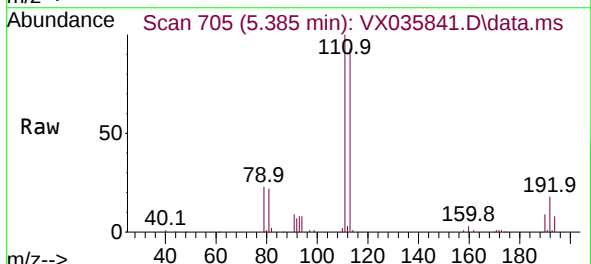
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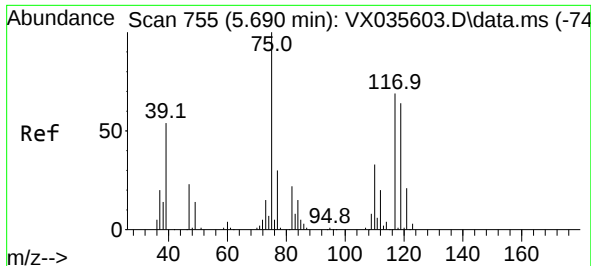
Tgt Ion:114 Resp: 332727
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.2
88 16.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.647 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Tgt Ion:113 Resp: 106916
Ion Ratio Lower Upper
113 100
111 103.5 83.7 125.5
192 18.4 15.4 23.2

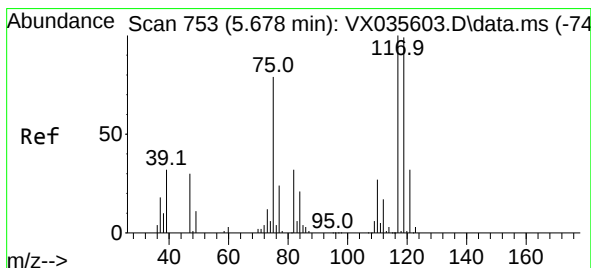
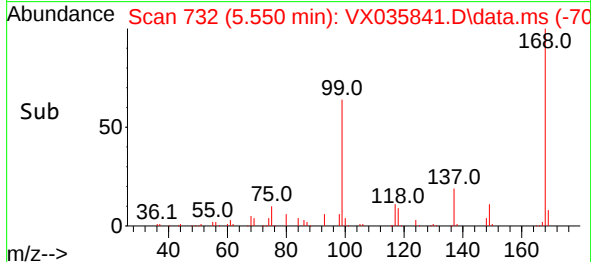
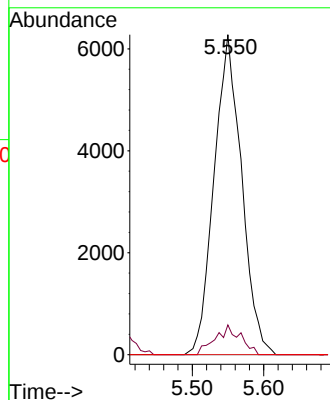
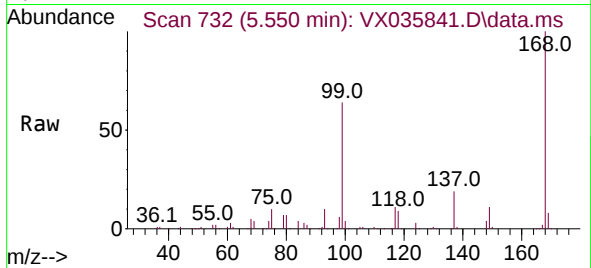




#36
1,1-Dichloropropene
Concen: 4.729 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

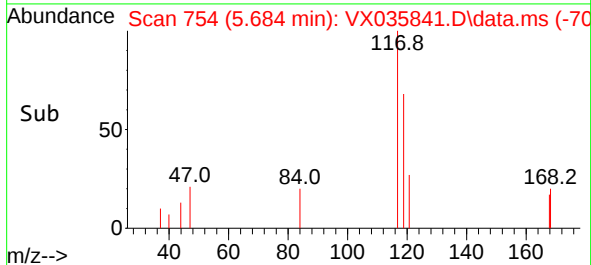
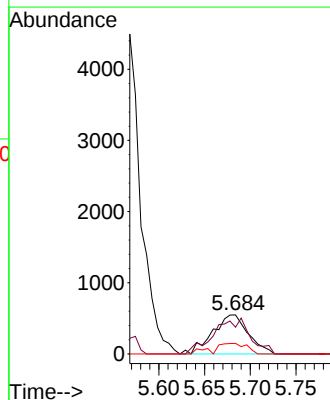
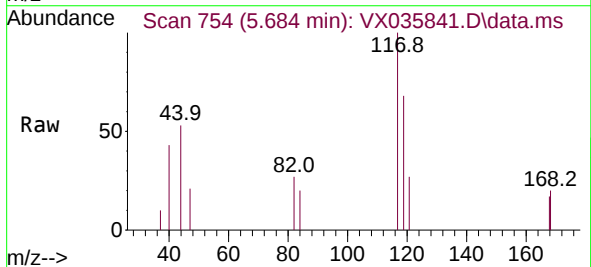
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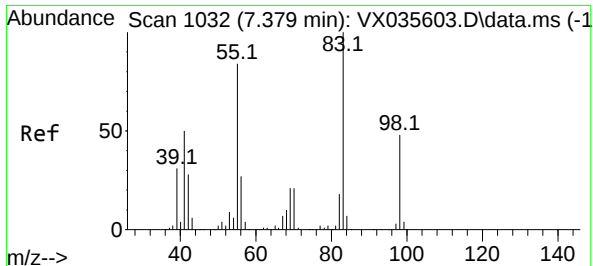
Tgt Ion: 75 Resp: 16749
Ion Ratio Lower Upper
75 100
110 8.5 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 0.446 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Tgt Ion: 117 Resp: 1495
Ion Ratio Lower Upper
117 100
119 68.3 76.6 114.8#
121 27.0 23.8 35.6





#39

Methylcyclohexane

Concen: 0.549 ug/l

RT: 7.129 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX035841.D

Acq: 24 May 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20230522

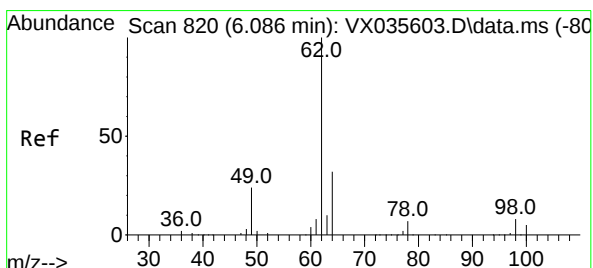
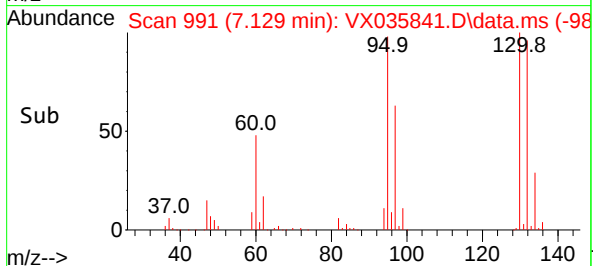
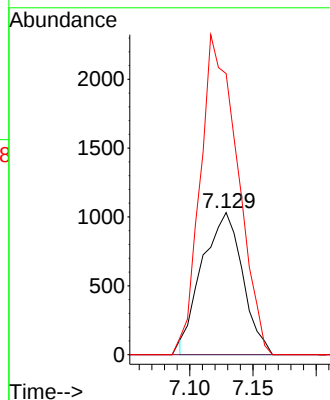
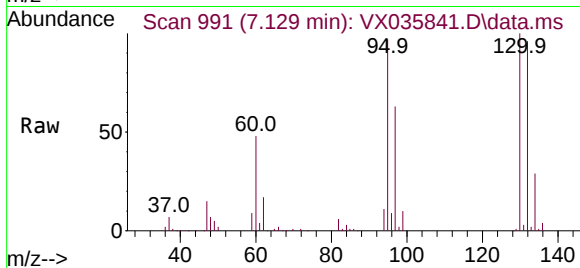
Tgt Ion: 83 Resp: 2291

Ion Ratio Lower Upper

83 100

55 0.0 60.5 90.7#

98 197.9 40.4 60.6#



#42

1,2-Dichloroethane

Concen: 0.209 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX035841.D

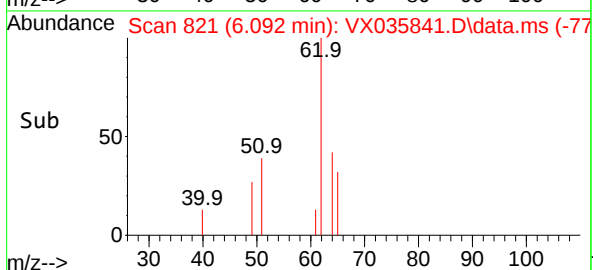
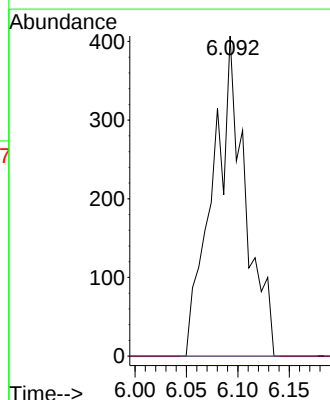
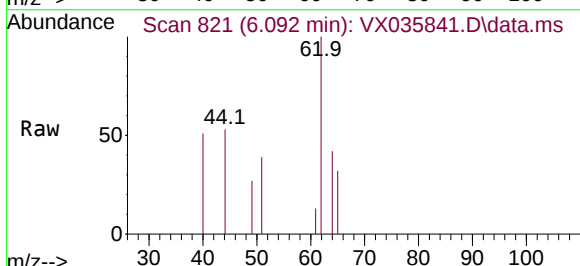
Acq: 24 May 2023 17:11

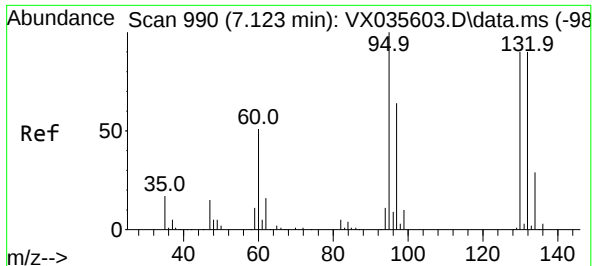
Tgt Ion: 62 Resp: 891

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0

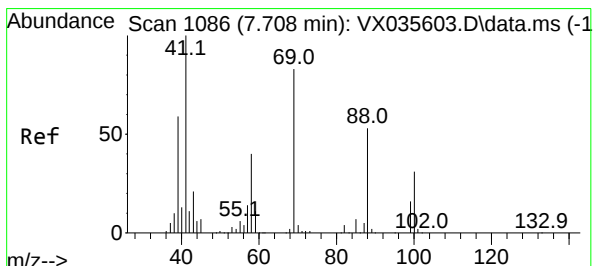
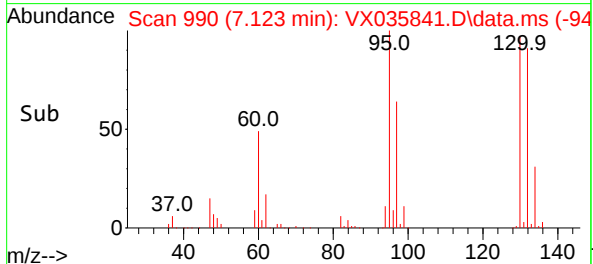
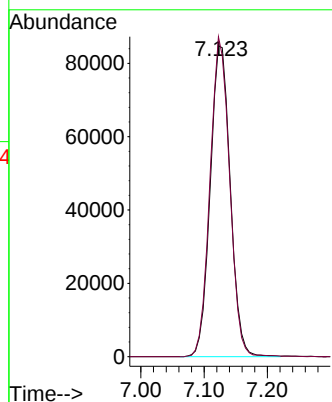
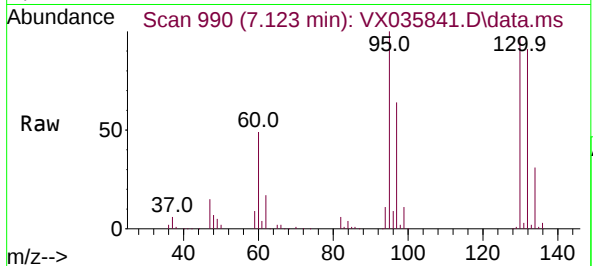




#44
Trichloroethene
Concen: 74.282 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

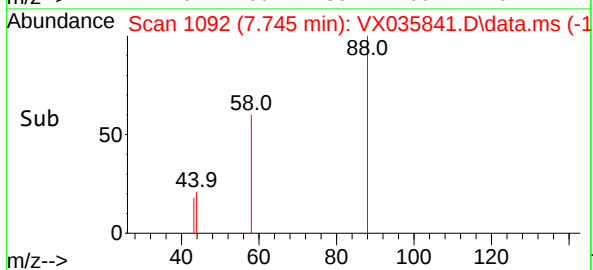
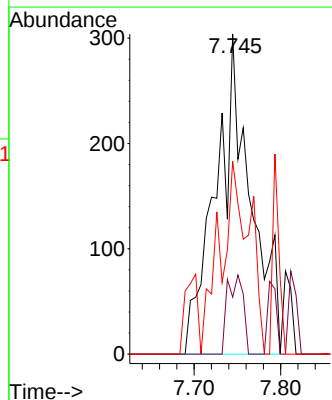
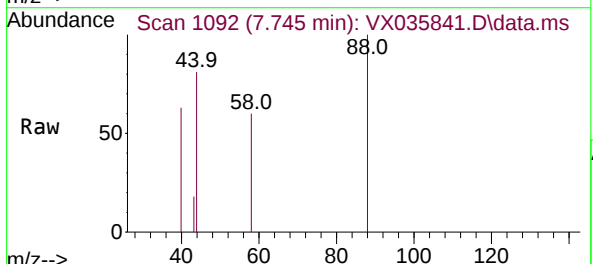
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230522

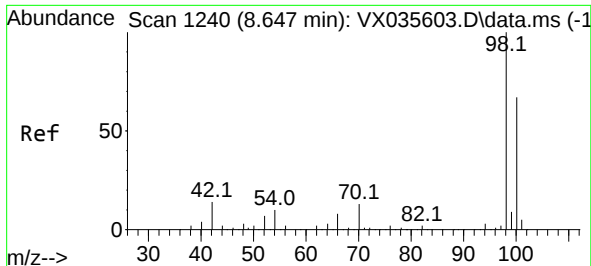
Tgt Ion:130 Resp: 186627
Ion Ratio Lower Upper
130 100
95 102.9 0.0 198.4



#49
1,4-Dioxane
Concen: 14.057 ug/l
RT: 7.745 min Scan# 1092
Delta R.T. 0.037 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Tgt Ion: 88 Resp: 850
Ion Ratio Lower Upper
88 100
43 11.1 27.7 41.5#
58 50.5 56.8 85.2#

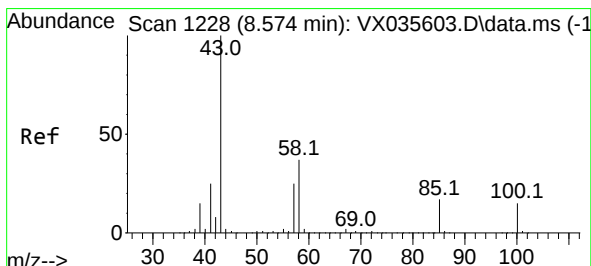
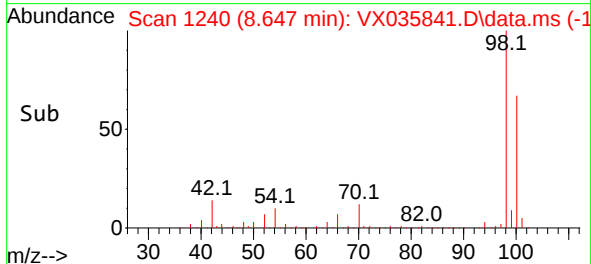
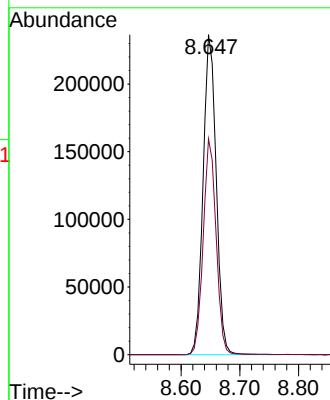
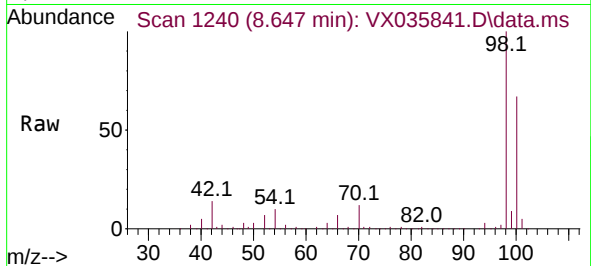




#50
Toluene-d8
Concen: 44.278 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

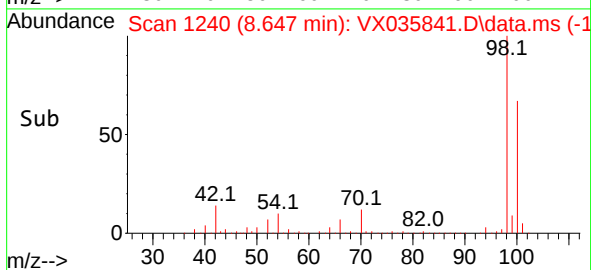
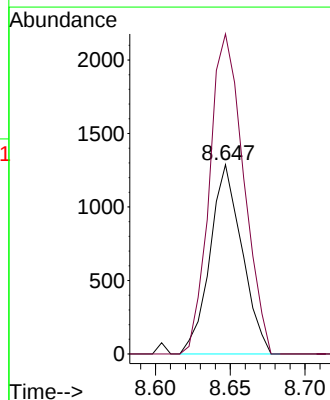
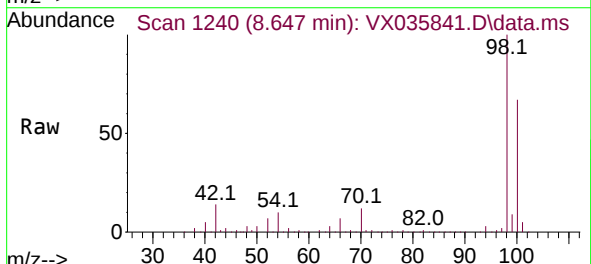
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230522

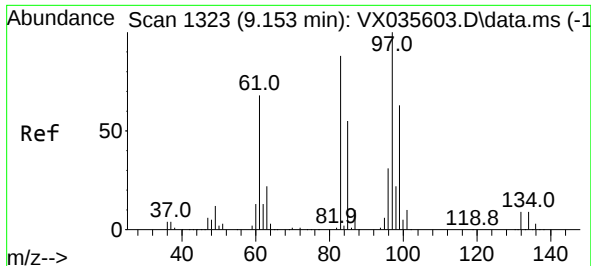
Tgt Ion: 98 Resp: 367040
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 0.517 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Tgt Ion: 43 Resp: 1919
Ion Ratio Lower Upper
43 100
58 179.9 30.6 46.0#

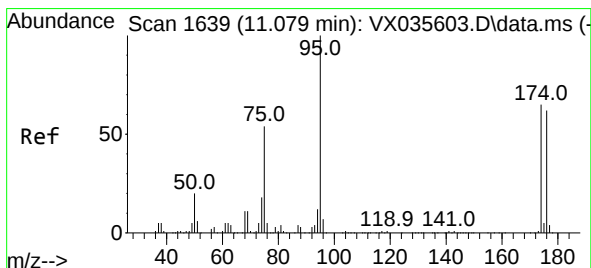
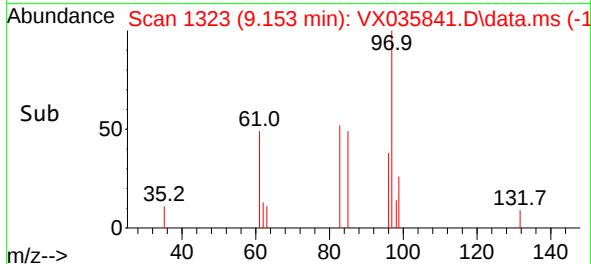
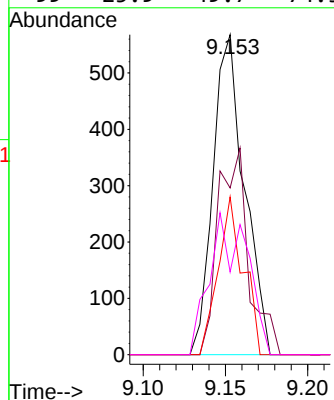
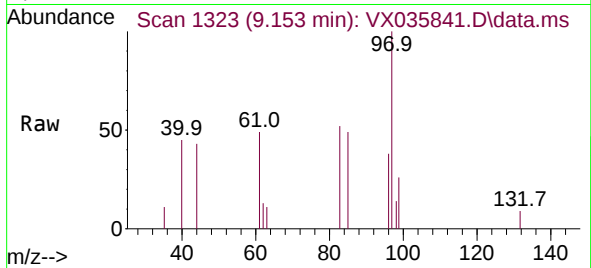




#55
1,1,2-Trichloroethane
Concen: 0.306 ug/l
RT: 9.153 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

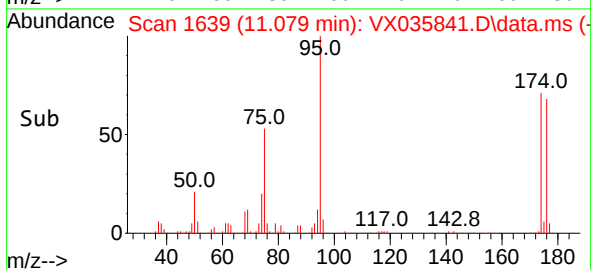
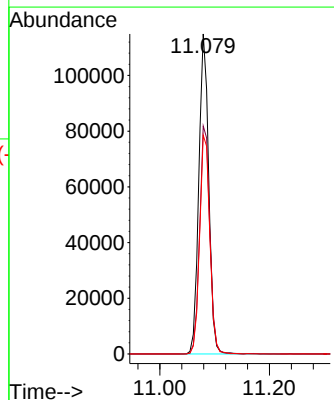
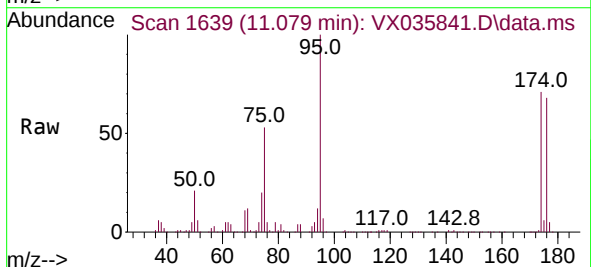
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230522

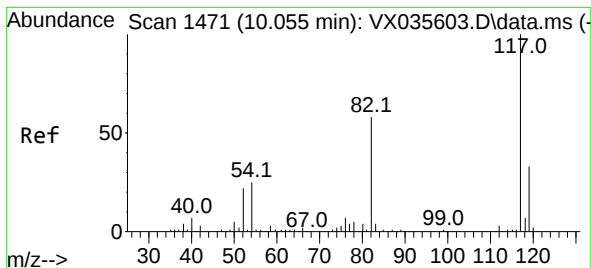
Tgt Ion: 97	Resp:	752	
Ion	Ratio	Lower	Upper
97	100		
83	52.1	69.7	104.5#
85	49.3	43.7	65.5
99	25.9	49.7	74.5#



#62
4-Bromofluorobenzene
Concen: 43.356 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Tgt Ion: 95	Resp:	144709	
Ion Ratio	Lower	Upper	
95 100			
174	73.3	0.0	147.4
176	70.2	0.0	140.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035841.D

Acq: 24 May 2023 17:11

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20230522

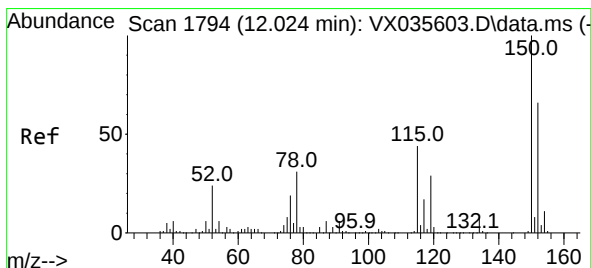
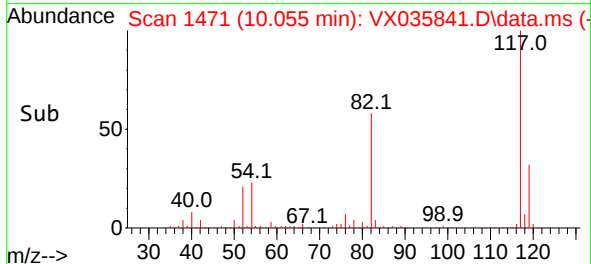
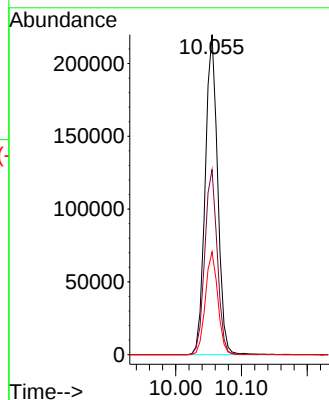
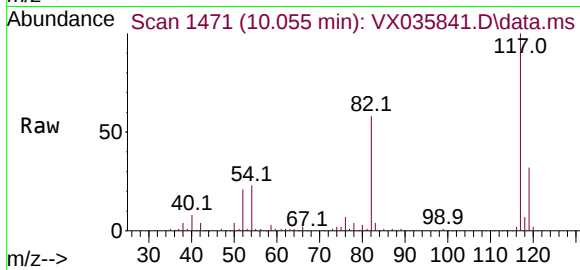
Tgt Ion:117 Resp: 289533

Ion Ratio Lower Upper

117 100

82 57.8 45.0 67.4

119 32.1 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX035841.D

Acq: 24 May 2023 17:11

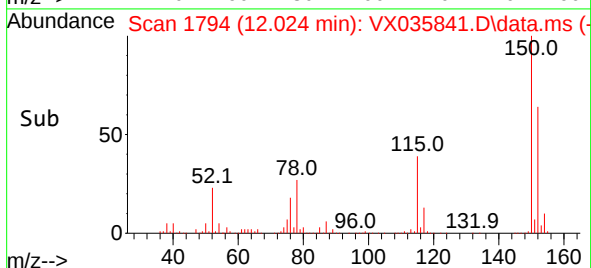
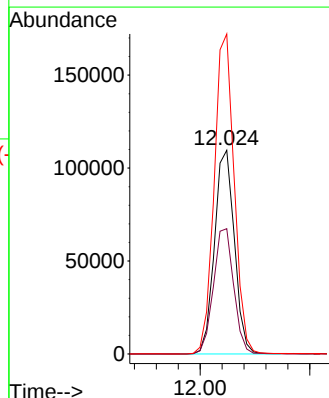
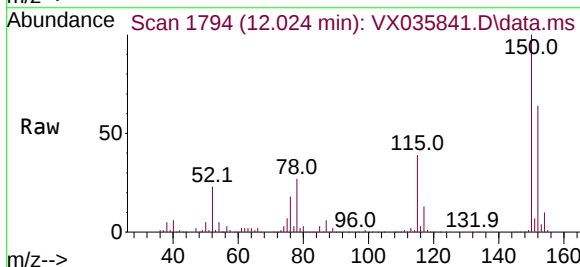
Tgt Ion:152 Resp: 138277

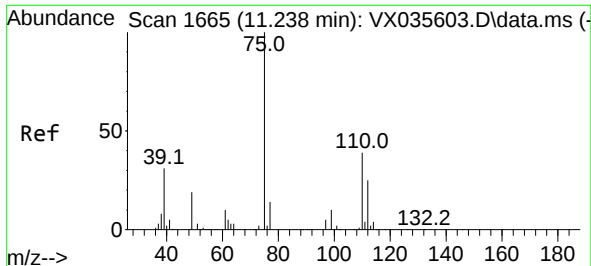
Ion Ratio Lower Upper

152 100

115 62.6 45.0 135.0

150 157.4 0.0 352.4

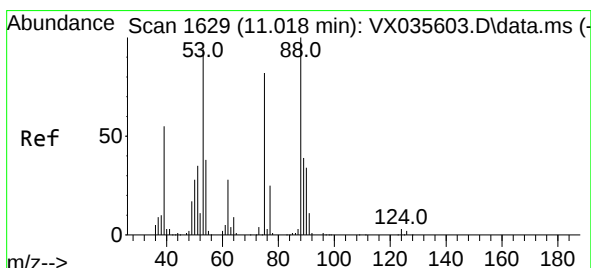
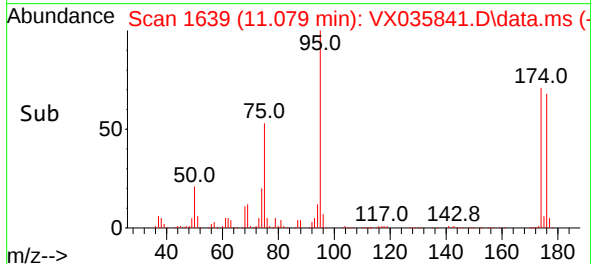
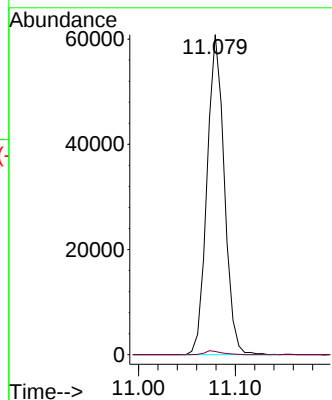
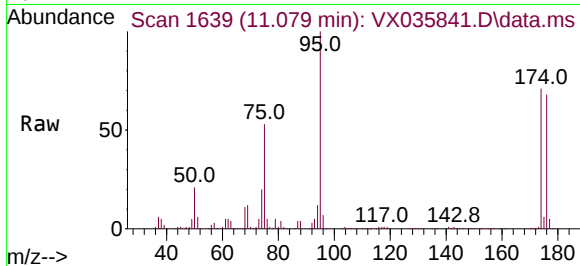




#76
1,2,3-Trichloropropane
Concen: 22.369 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230522

Tgt Ion: 75 Resp: 75660
Ion Ratio Lower Upper
75 100
77 1.2 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.093 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035841.D
Acq: 24 May 2023 17:11

Tgt Ion: 75 Resp: 75660
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

