

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112122\
 Data File : VX032965.D
 Acq On : 21 Nov 2022 20:09
 Operator : JC/MD
 Sample : N5671-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20221115

Quant Time: Nov 22 05:13:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

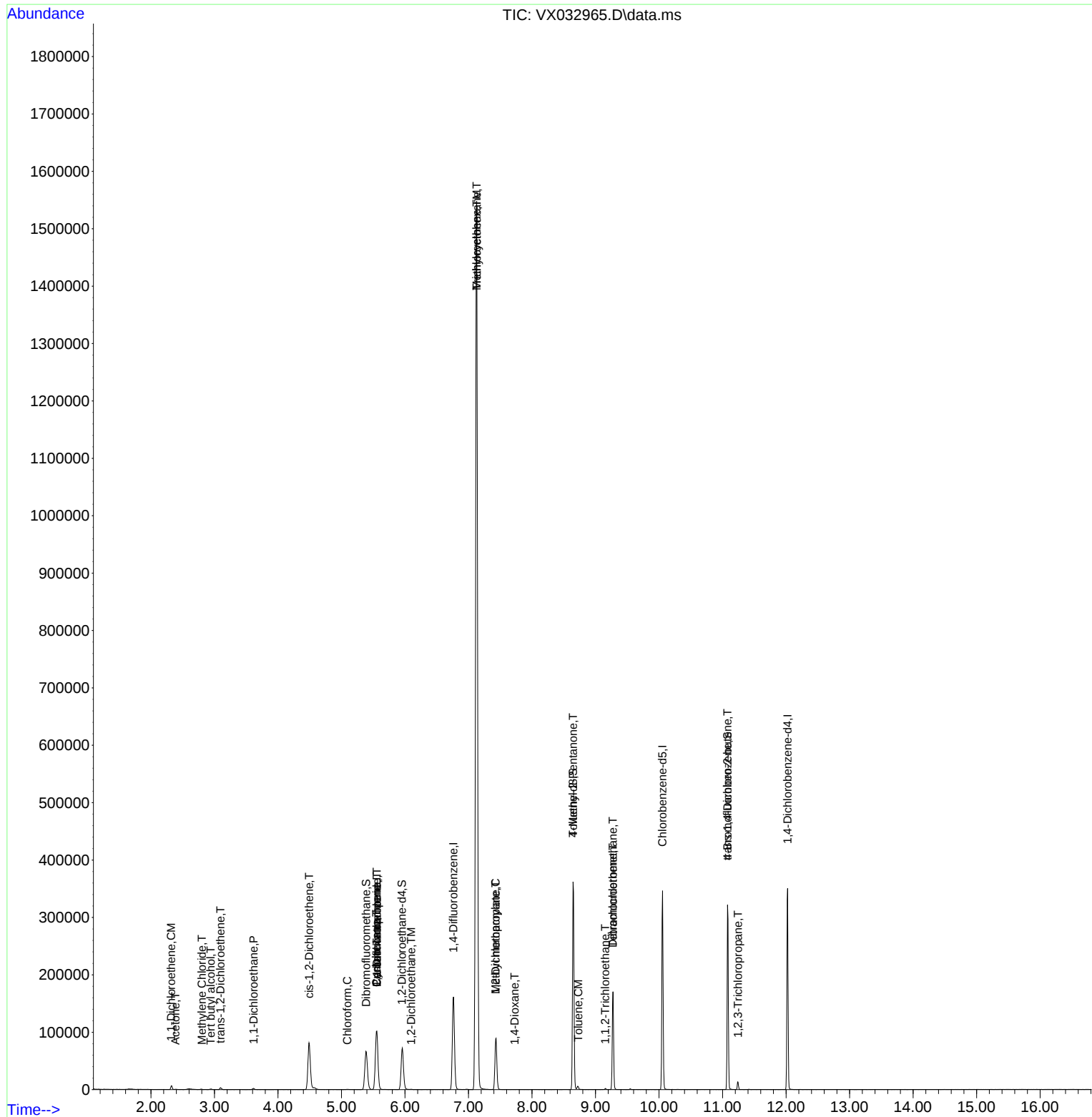
Internal Standards						
1) Pentafluorobenzene	5.556	168	98576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	165578	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71754	52.387	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.780%	
35) Dibromofluoromethane	5.385	113	57986	49.096	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.200%	
50) Toluene-d8	8.647	98	212584	51.763	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.520%	
62) 4-Bromofluorobenzene	11.079	95	81182	50.604	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	709	3.556	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	2391	2.419	ug/l	95
16) Acetone	2.386	43	1032	2.073	ug/l #	87
20) Methylene Chloride	2.800	84	519	0.455	ug/l #	50
21) trans-1,2-Dichloroethene	3.093	96	1389	1.291	ug/l	95
24) 1,1-Dichloroethane	3.617	63	2404	1.226	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	51036	41.032	ug/l	91
30) Chloroform	5.093	83	601	0.279	ug/l #	66
31) Cyclohexane	5.550	56	2314	1.393	ug/l #	41
36) 1,1-Dichloropropene	5.556	75	7683	4.671	ug/l #	49
38) Carbon Tetrachloride	5.556	117	10343	5.670	ug/l #	16
39) Methylcyclohexane	7.129	83	6821	3.505	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	708	0.372	ug/l #	77
44) Trichloroethene	7.129	130	590415	450.625	ug/l	99
45) 1,2-Dichloropropane	7.428	63	35280	29.529	ug/l	100
48) Methyl methacrylate	7.428	41	19919	14.672	ug/l #	39
49) 1,4-Dioxane	7.726	88	44	1.701	ug/l #	26
51) 4-Methyl-2-Pentanone	8.647	43	949	0.573	ug/l #	1
52) Toluene	8.726	92	2382	0.784	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	562	0.439	ug/l #	85
60) Dibromochloromethane	9.275	129	30230	21.642	ug/l #	11
64) Tetrachloroethene	9.275	164	30630	27.325	ug/l	95
76) 1,2,3-Trichloropropane	11.244	75	4462	2.838	ug/l	84
81) trans-1,4-Dichloro-2-b...	11.079	75	43734	88.506	ug/l #	6

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

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Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

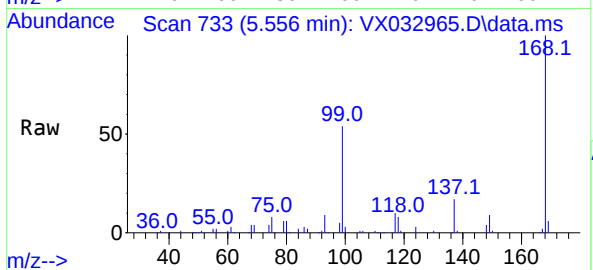
Quant Time: Nov 22 05:13:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
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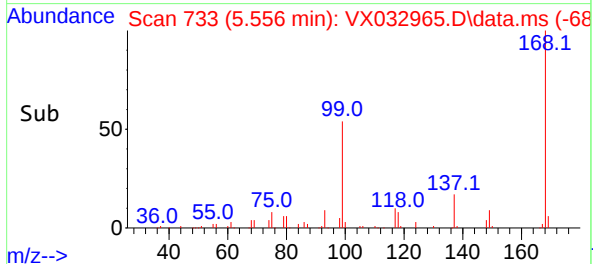
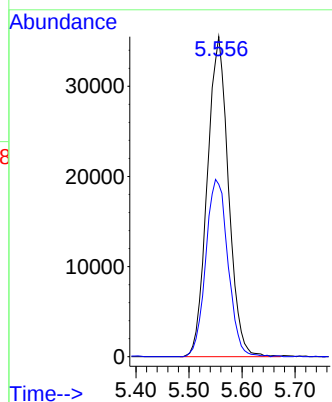


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

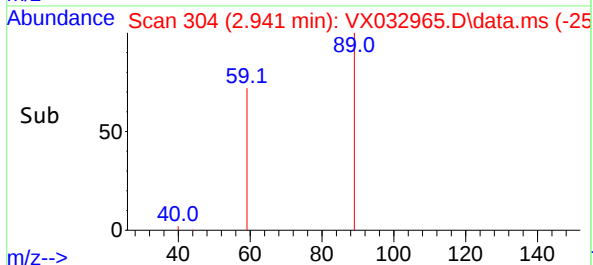
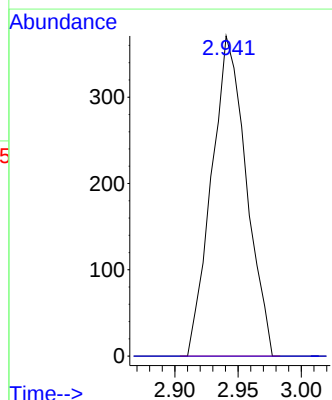
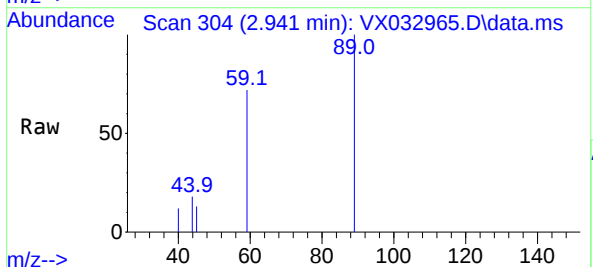


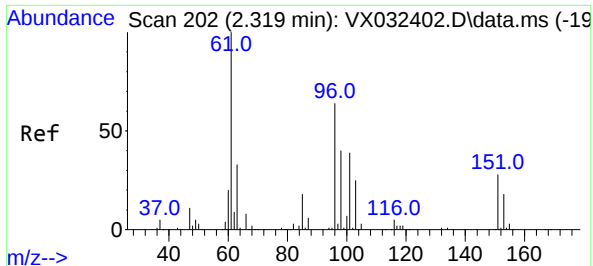
Tgt Ion:168 Resp: 98576
Ion Ratio Lower Upper
168 100
99 53.9 46.1 69.1



#11
Tert butyl alcohol
Concen: 3.556 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Tgt Ion: 59 Resp: 709
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 2.419 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX032965.D

Acq: 21 Nov 2022 20:09

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20221115

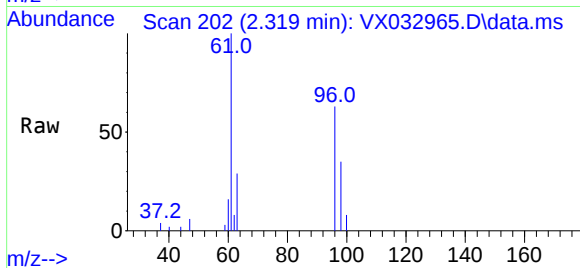
Tgt Ion: 96 Resp: 2391

Ion Ratio Lower Upper

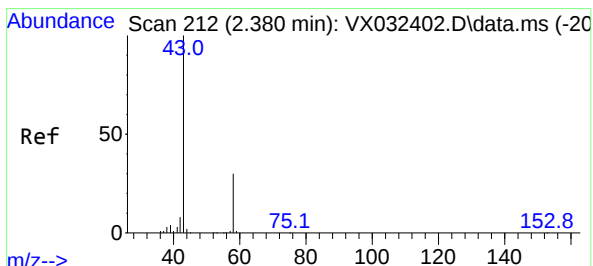
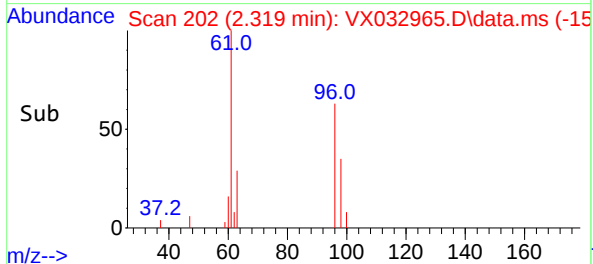
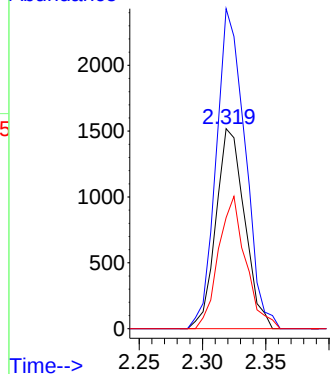
96 100

61 160.0 125.1 187.7

98 55.5 50.6 76.0



Abundance



#16

Acetone

Concen: 2.073 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX032965.D

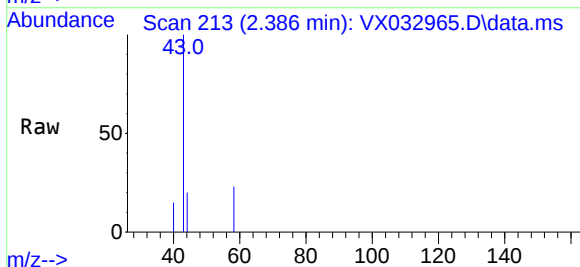
Acq: 21 Nov 2022 20:09

Tgt Ion: 43 Resp: 1032

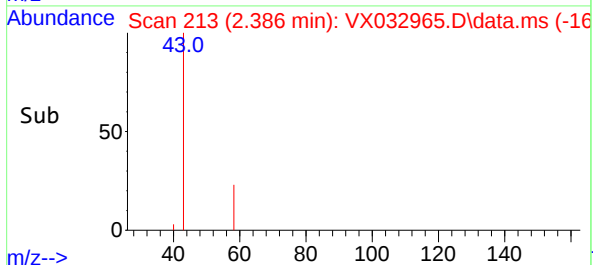
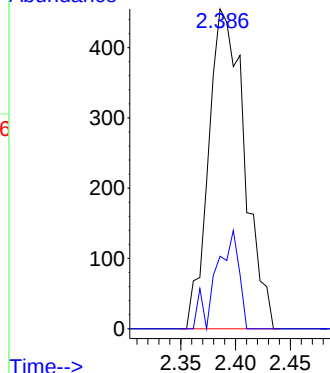
Ion Ratio Lower Upper

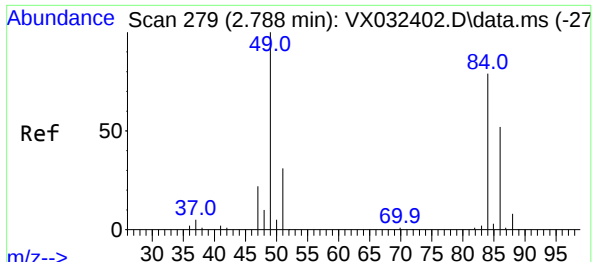
43 100

58 22.6 23.8 35.8#



Abundance





#20

Methylene Chloride

Concen: 0.455 ug/l

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX032965.D

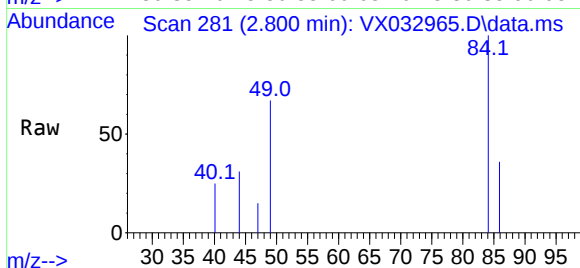
Acq: 21 Nov 2022 20:09

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20221115



Tgt Ion: 84 Resp: 519

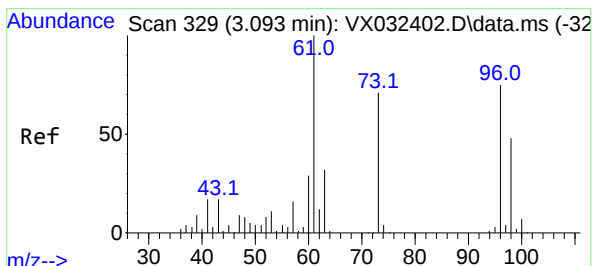
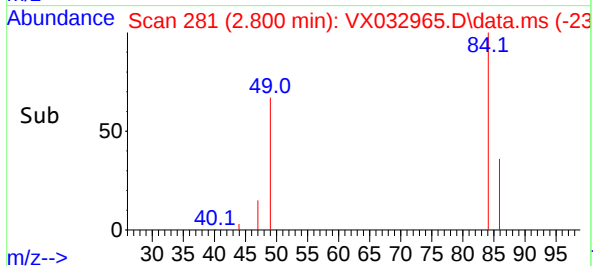
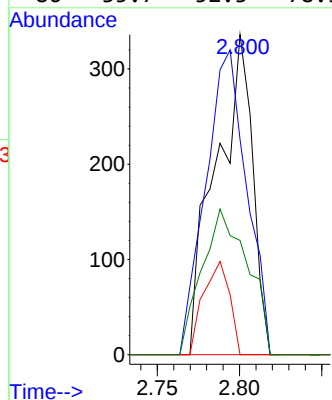
Ion Ratio Lower Upper

84 100

49 67.3 101.0 151.6#

51 0.0 31.1 46.7#

86 35.7 52.3 78.5#



#21

trans-1,2-Dichloroethene

Concen: 1.291 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.000 min

Lab File: VX032965.D

Acq: 21 Nov 2022 20:09

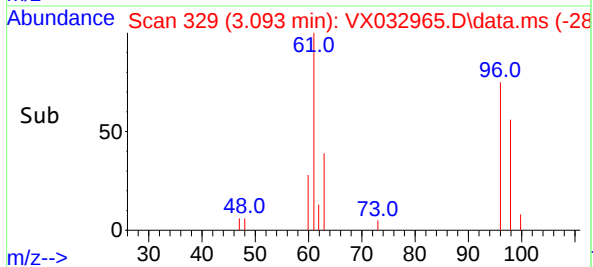
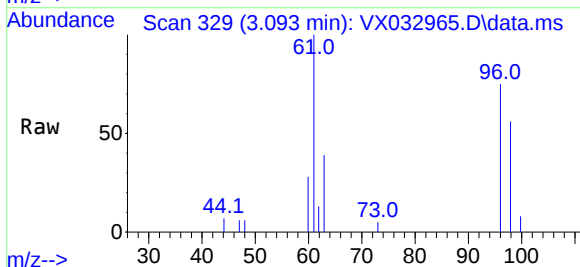
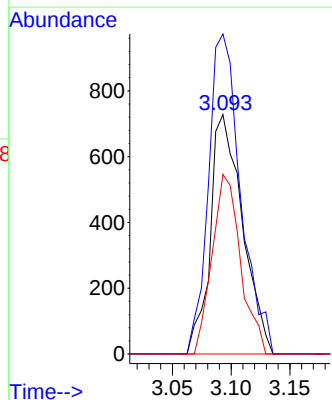
Tgt Ion: 96 Resp: 1389

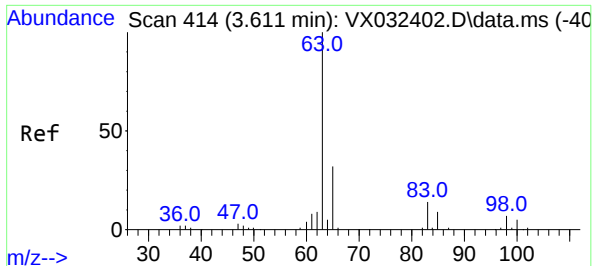
Ion Ratio Lower Upper

96 100

61 133.7 106.6 160.0

98 75.0 51.0 76.6

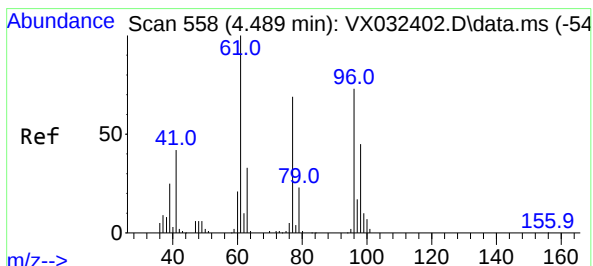
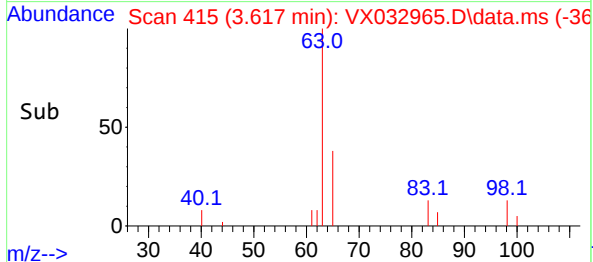
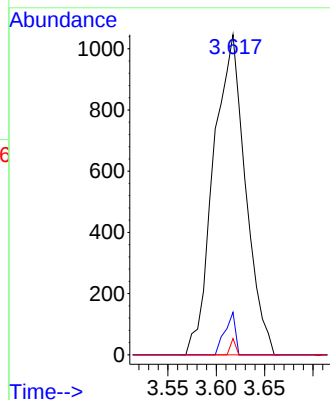
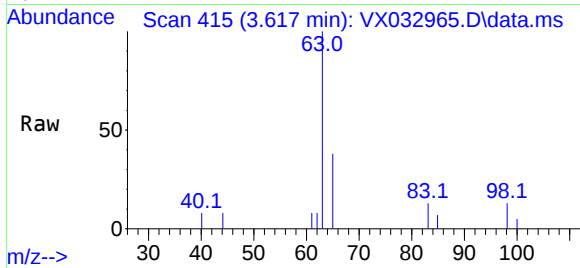




#24
1,1-Dichloroethane
Concen: 1.226 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

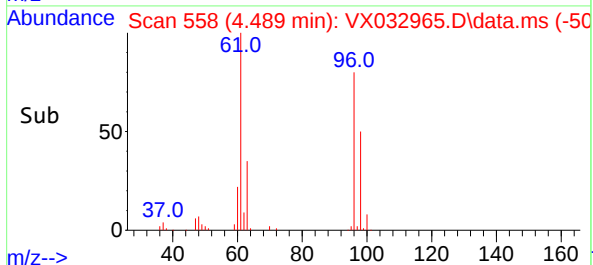
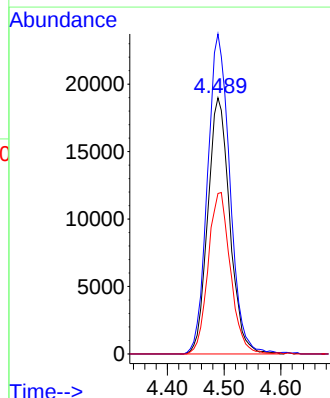
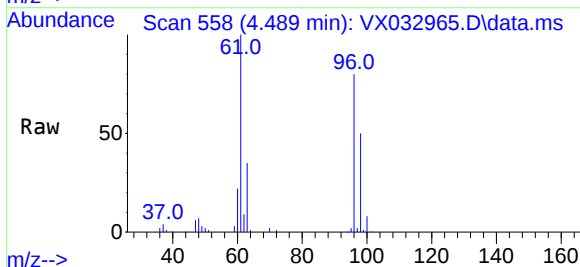
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

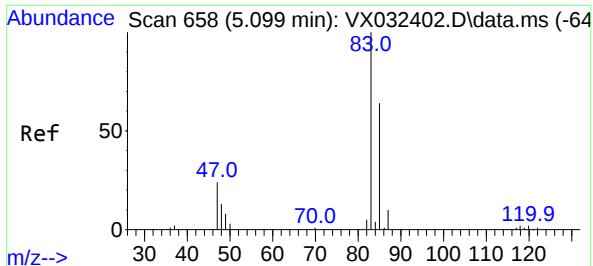
Tgt Ion: 63 Resp: 2404
Ion Ratio Lower Upper
63 100
98 13.3 3.5 10.4#
100 5.1 2.3 6.8



#27
cis-1,2-Dichloroethene
Concen: 41.032 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Tgt Ion: 96 Resp: 51036
Ion Ratio Lower Upper
96 100
61 127.4 0.0 286.0
98 64.0 0.0 129.6





#30

Chloroform

Concen: 0.279 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX032965.D

Acq: 21 Nov 2022 20:09

Instrument :

MSVOA_X

ClientSampleId :

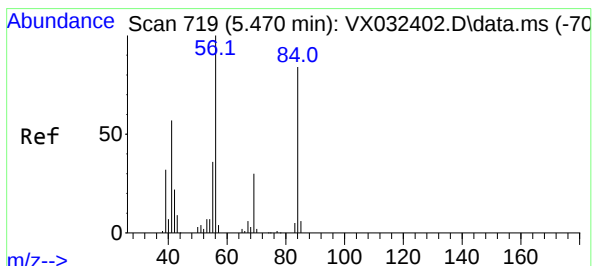
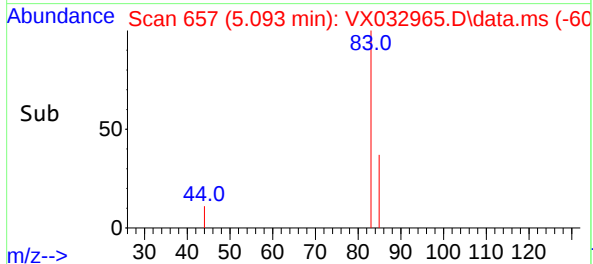
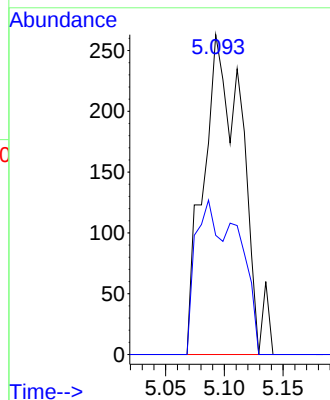
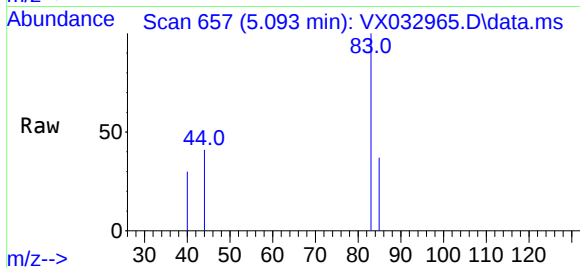
DUP01-20221115

Tgt Ion: 83 Resp: 601

Ion Ratio Lower Upper

83 100

85 37.3 51.1 76.7#



#31

Cyclohexane

Concen: 1.393 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX032965.D

Acq: 21 Nov 2022 20:09

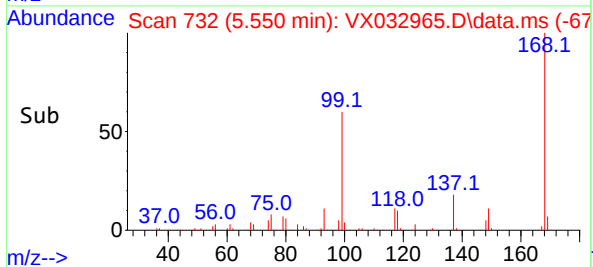
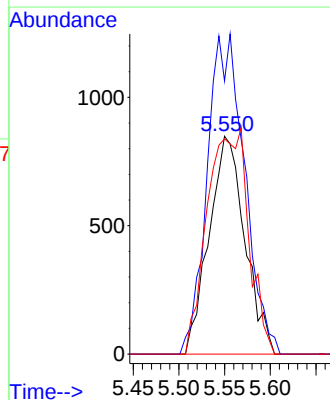
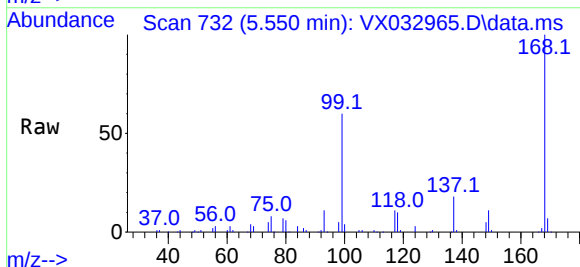
Tgt Ion: 56 Resp: 2314

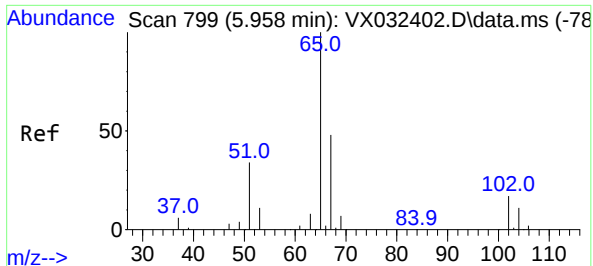
Ion Ratio Lower Upper

56 100

69 125.3 24.1 36.1#

84 98.8 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 52.387 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX032965.D

Acq: 21 Nov 2022 20:09

Instrument :

MSVOA_X

ClientSampleId :

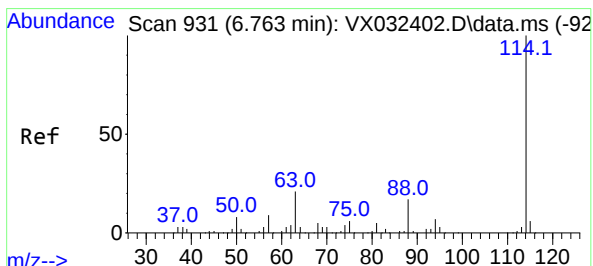
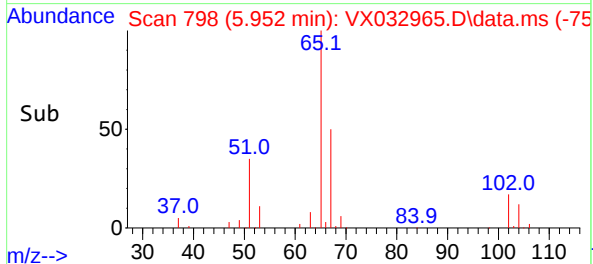
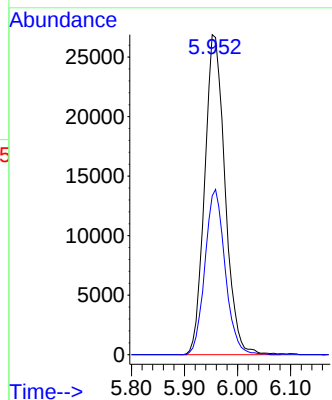
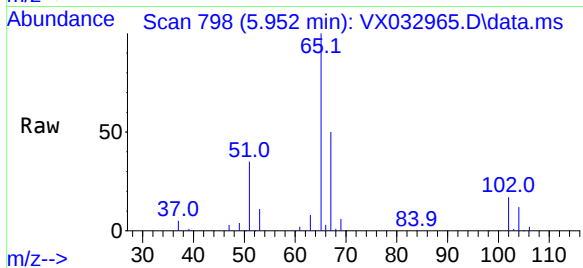
DUP01-20221115

Tgt Ion: 65 Resp: 71754

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032965.D

Acq: 21 Nov 2022 20:09

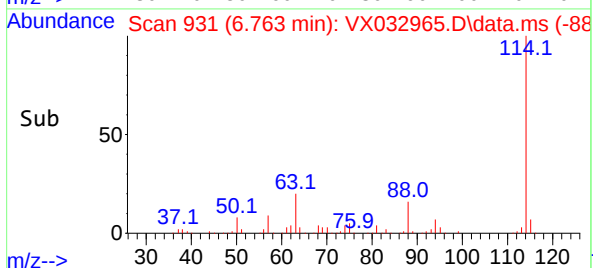
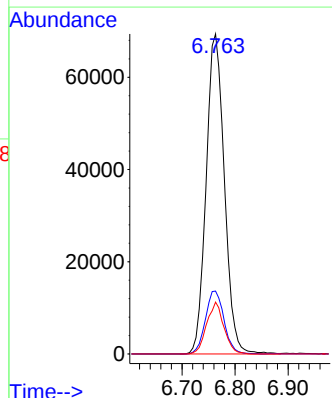
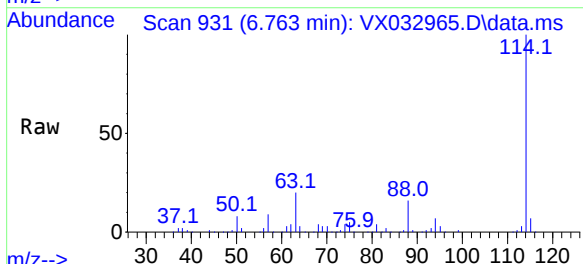
Tgt Ion: 114 Resp: 165578

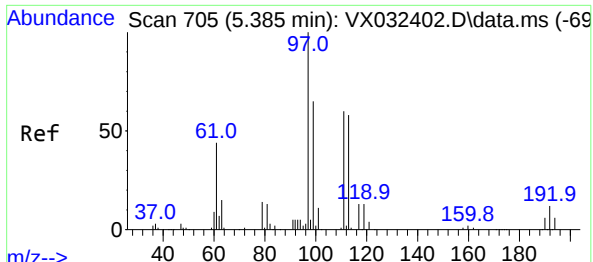
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

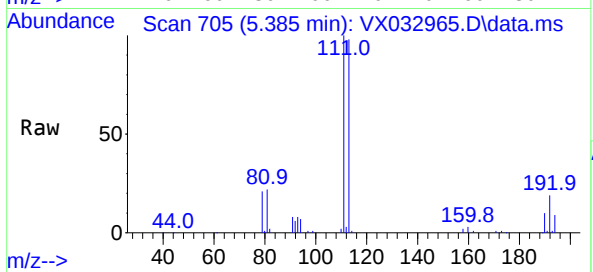
88 16.2 0.0 33.4



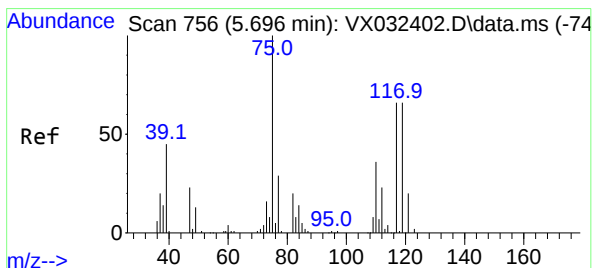
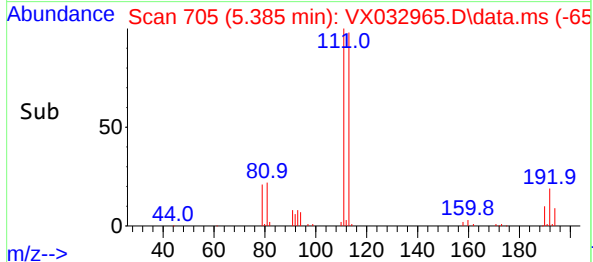
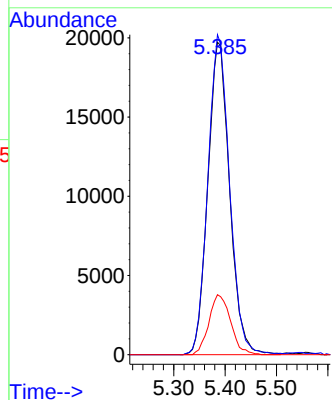


#35
Dibromofluoromethane
Concen: 49.096 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

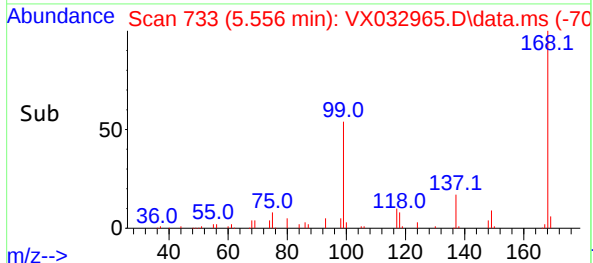
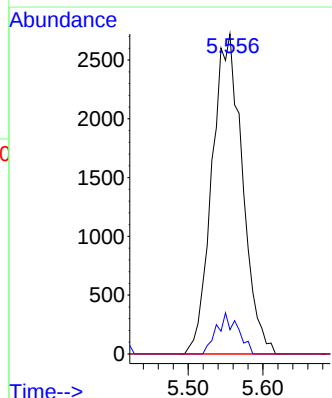
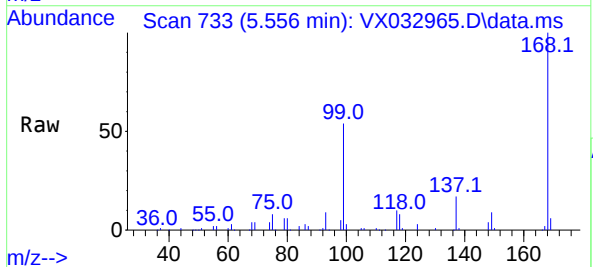


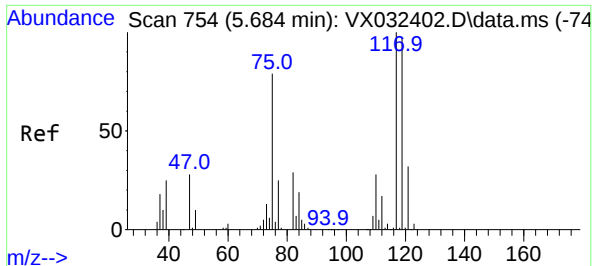
Tgt Ion:113 Resp: 57986
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 19.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.671 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

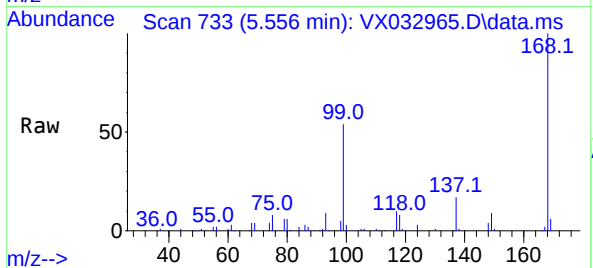
Tgt Ion: 75 Resp: 7683
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.5 36.7#



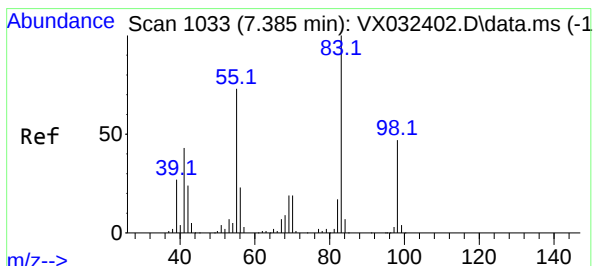
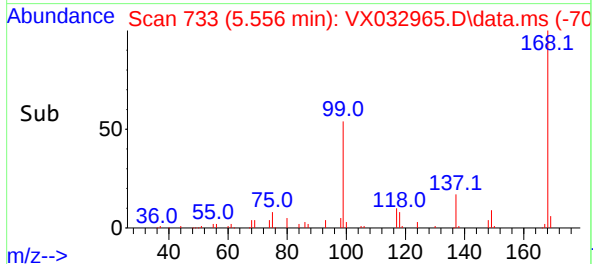
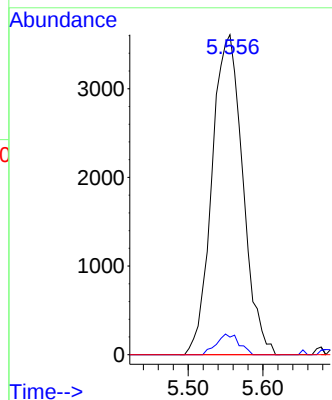


#38
Carbon Tetrachloride
Concen: 5.670 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

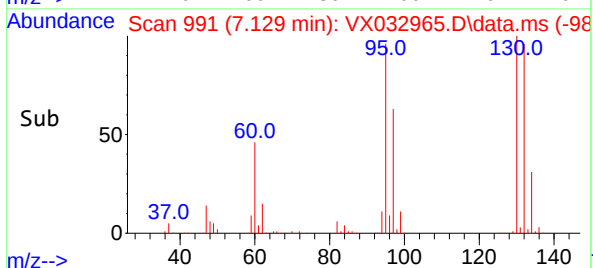
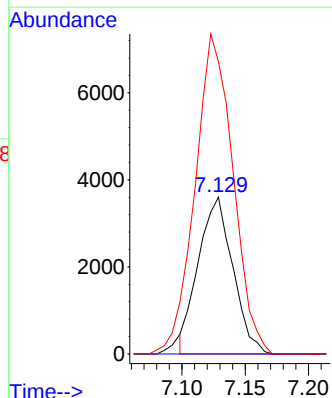
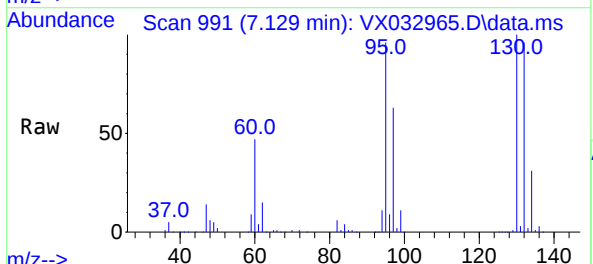


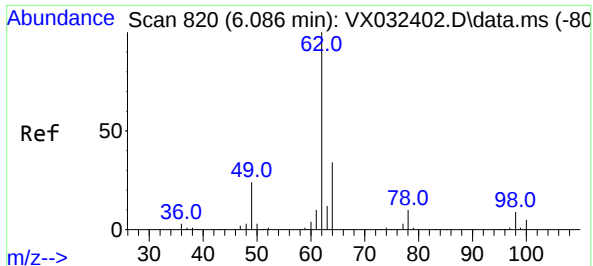
Tgt Ion:117 Resp: 10343
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 25.8 38.6#



#39
Methylcyclohexane
Concen: 3.505 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Tgt Ion: 83 Resp: 6821
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 186.5 37.2 55.8#





#42

1,2-Dichloroethane

Concen: 0.372 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX032965.D

Acq: 21 Nov 2022 20:09

Instrument :

MSVOA_X

ClientSampleId :

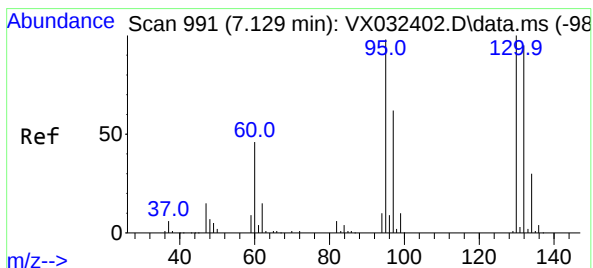
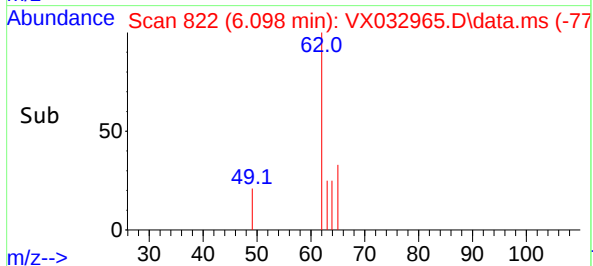
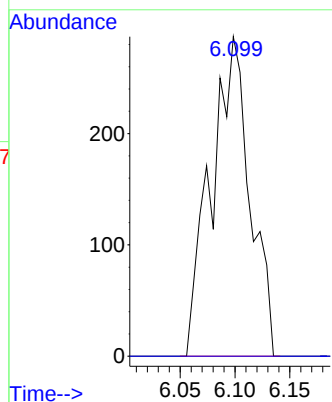
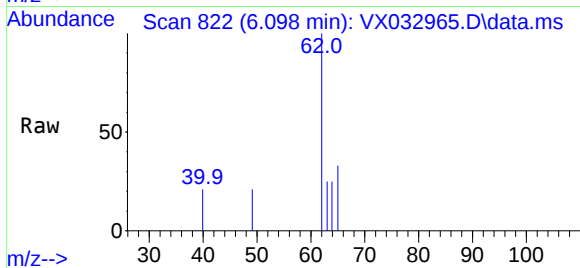
DUP01-20221115

Tgt Ion: 62 Resp: 708

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 450.625 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX032965.D

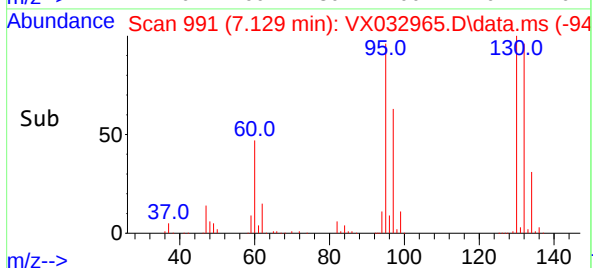
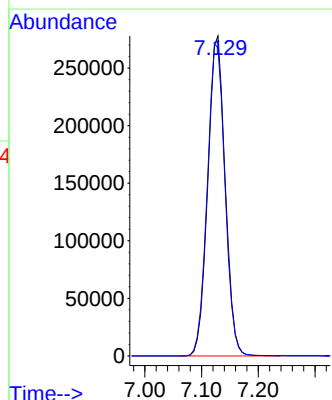
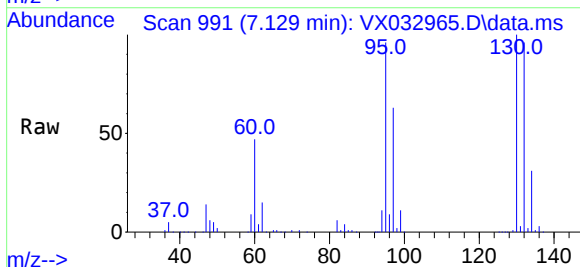
Acq: 21 Nov 2022 20:09

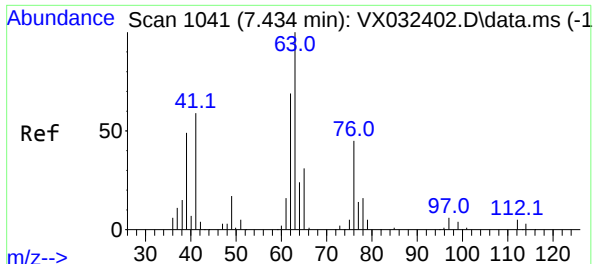
Tgt Ion:130 Resp: 590415

Ion Ratio Lower Upper

130 100

95 96.3 0.0 195.2





#45

1,2-Dichloropropane

Concen: 29.529 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX032965.D

Acq: 21 Nov 2022 20:09

Instrument :

MSVOA_X

ClientSampleId :

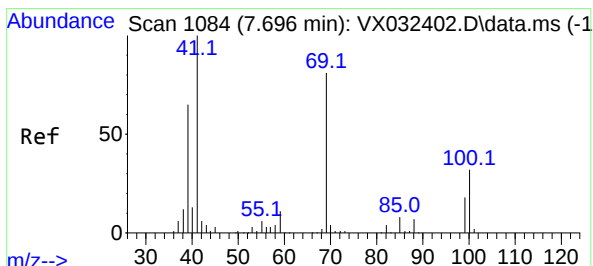
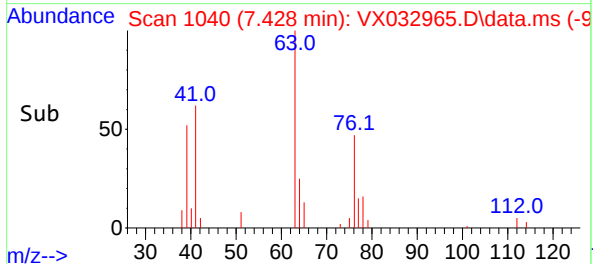
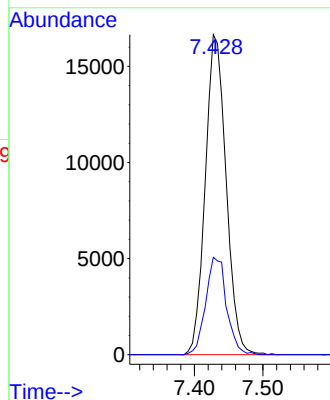
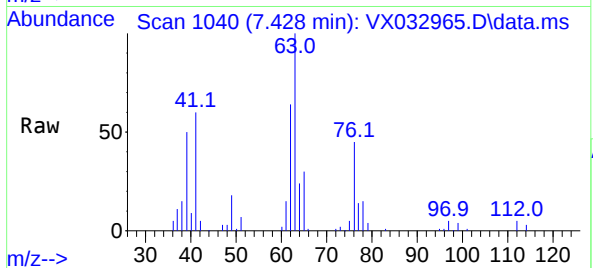
DUP01-20221115

Tgt Ion: 63 Resp: 35280

Ion Ratio Lower Upper

63 100

65 30.4 24.6 36.8



#48

Methyl methacrylate

Concen: 14.672 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.268 min

Lab File: VX032965.D

Acq: 21 Nov 2022 20:09

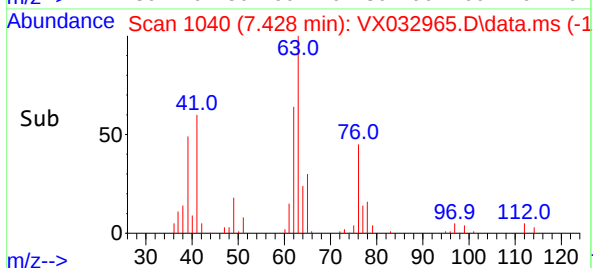
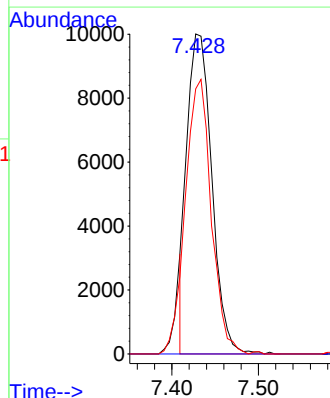
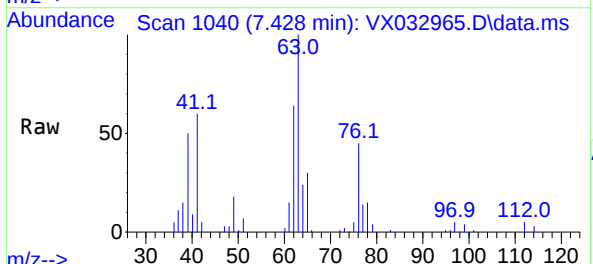
Tgt Ion: 41 Resp: 19919

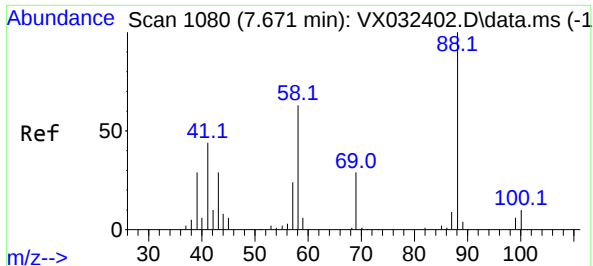
Ion Ratio Lower Upper

41 100

69 0.0 65.1 97.7#

39 82.3 51.9 77.9#

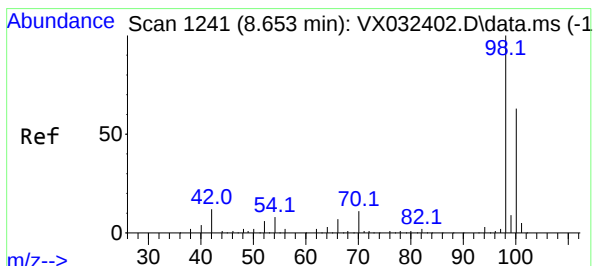
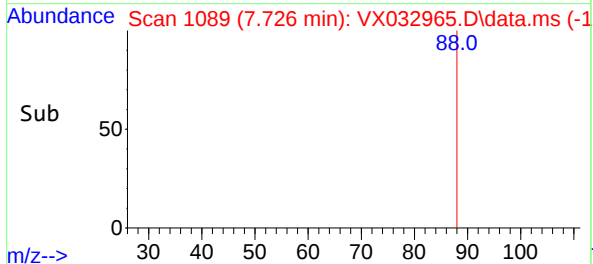
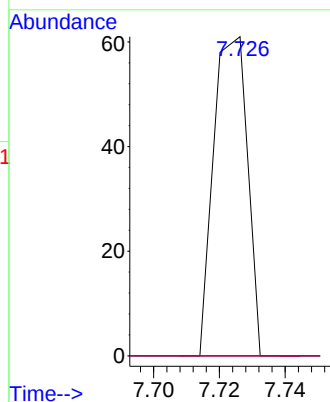
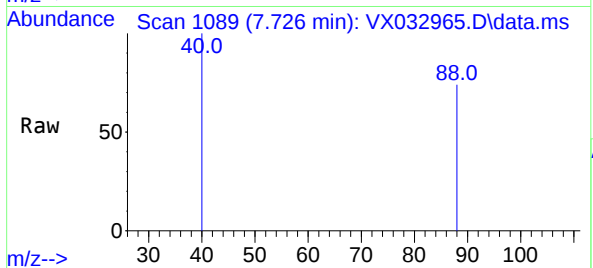




#49
1,4-Dioxane
Concen: 1.701 ug/l
RT: 7.726 min Scan# 1089
Delta R.T. 0.055 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

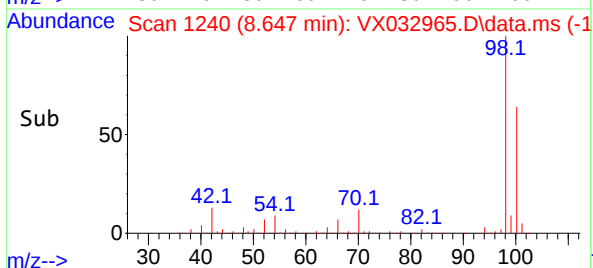
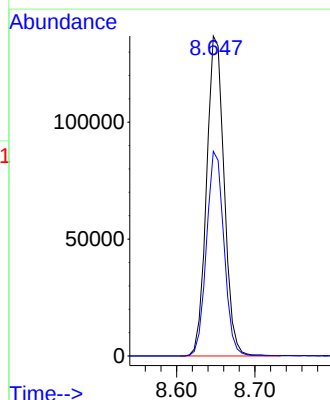
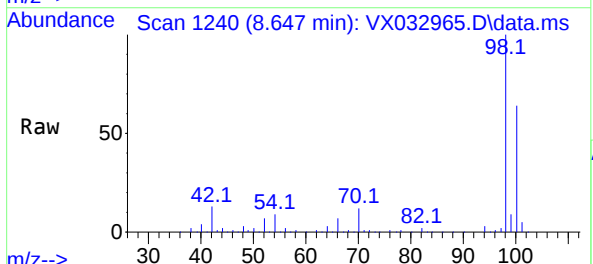
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

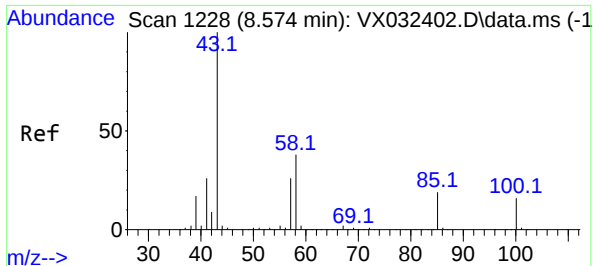
Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 0.0 51.7 77.5#



#50
Toluene-d8
Concen: 51.763 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Tgt Ion: 98 Resp: 212584
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

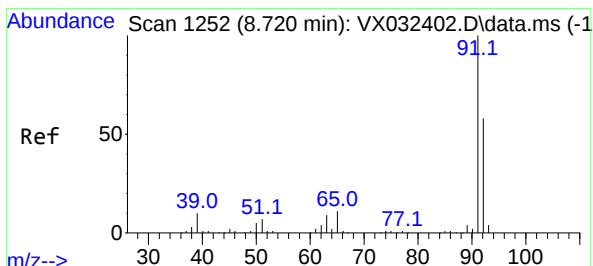
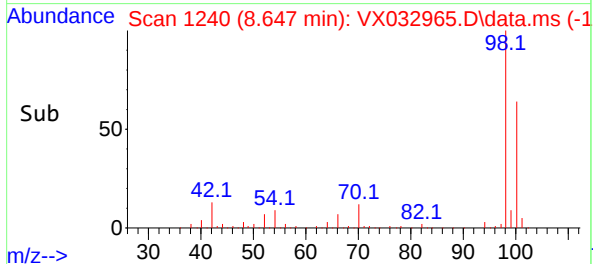
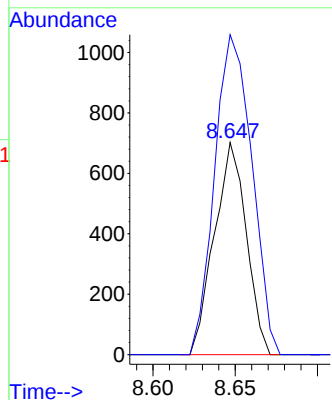
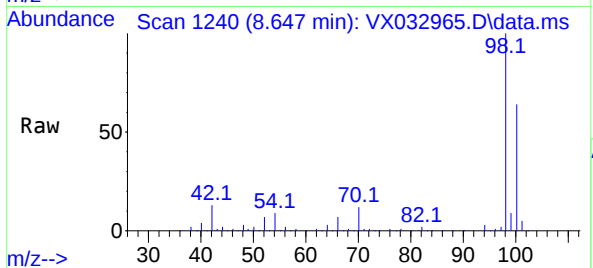




#51
4-Methyl-2-Pentanone
Concen: 0.573 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

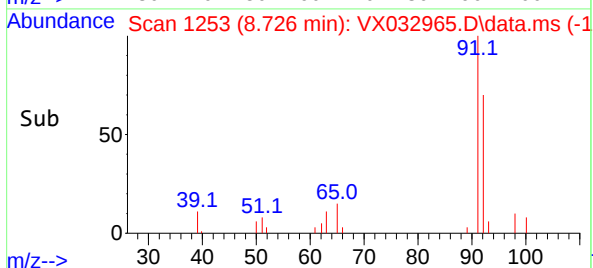
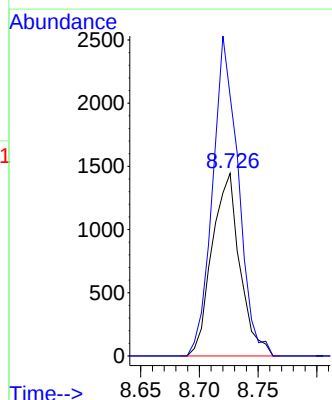
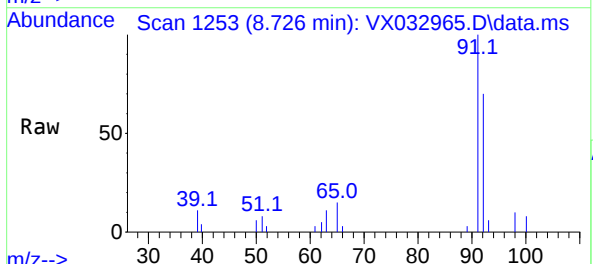
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

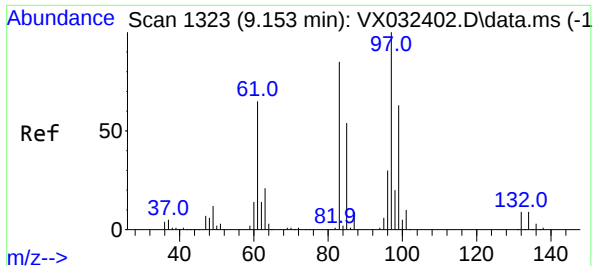
Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
58 176.1 30.9 46.3#



#52
Toluene
Concen: 0.784 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Tgt Ion: 92 Resp: 2382
Ion Ratio Lower Upper
92 100
91 161.2 138.3 207.5

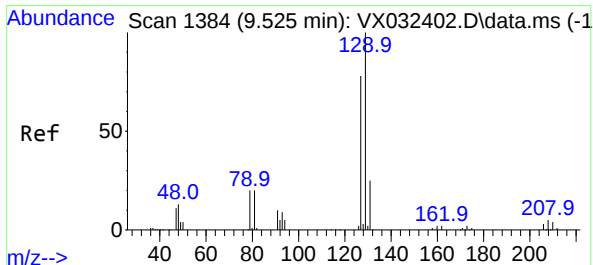
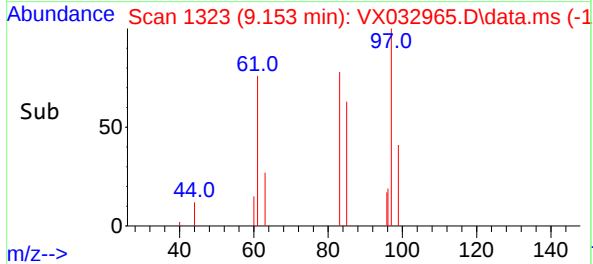
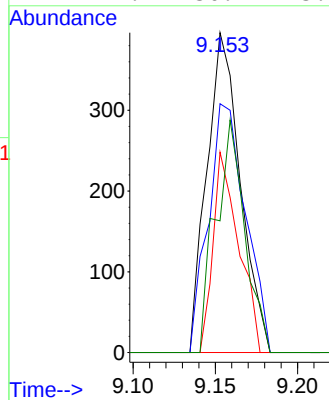
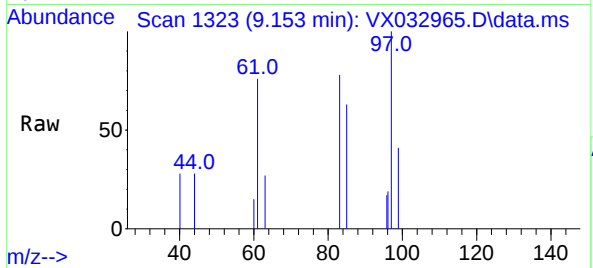




#55
1,1,2-Trichloroethane
Concen: 0.439 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

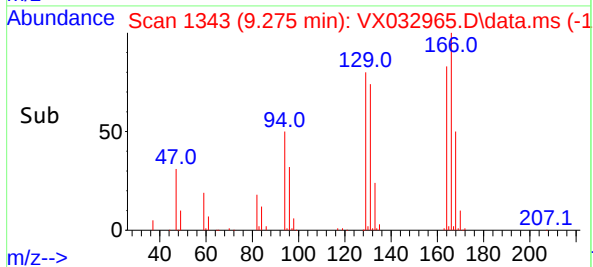
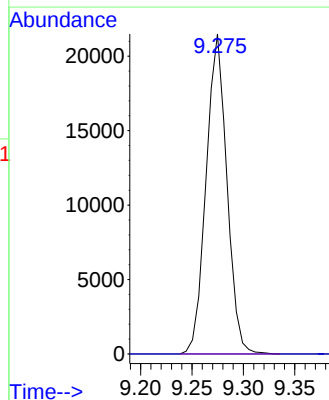
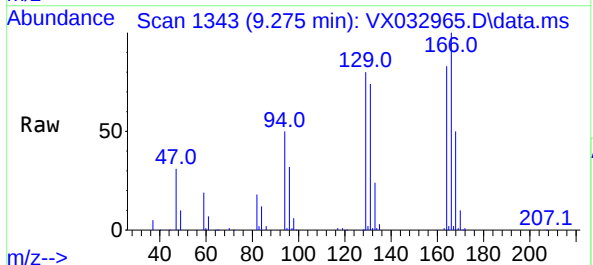
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

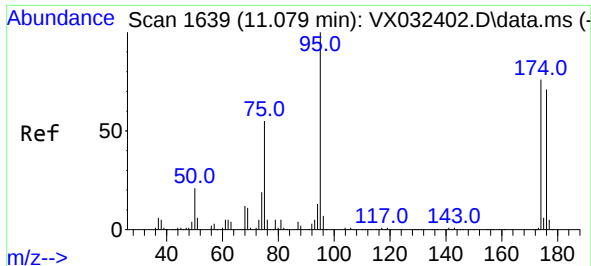
Tgt Ion: 97	Resp: 562
Ion Ratio	Lower Upper
97 100	
83 77.8	68.1 102.1
85 62.6	43.3 64.9
99 41.2	50.4 75.6#



#60
Dibromochloromethane
Concen: 21.642 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Tgt Ion:129	Resp: 30230
Ion Ratio	Lower Upper
129 100	
127 0.0	38.6 115.8#

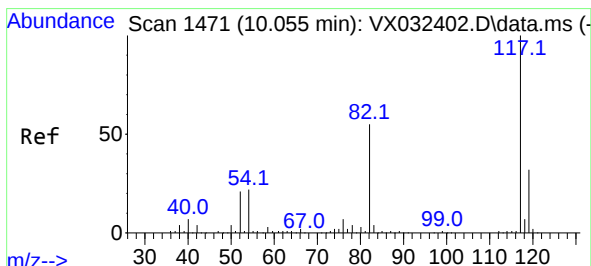
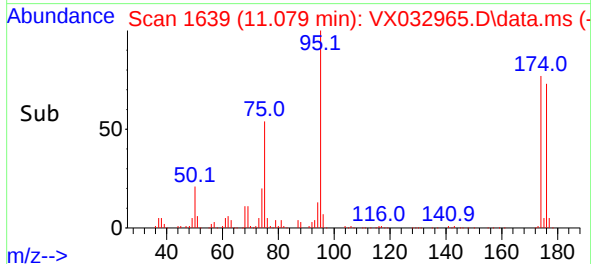
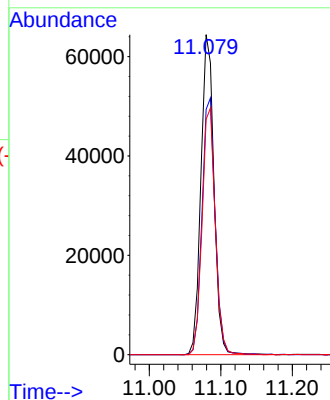
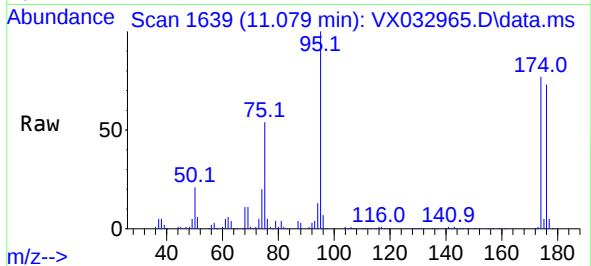




#62
4-Bromofluorobenzene
Concen: 50.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

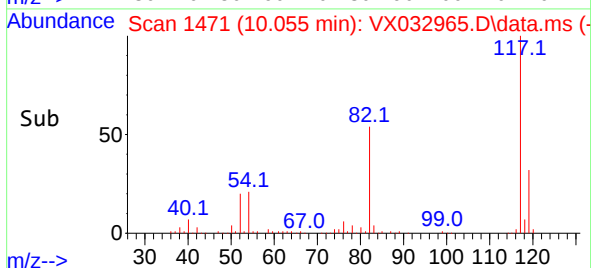
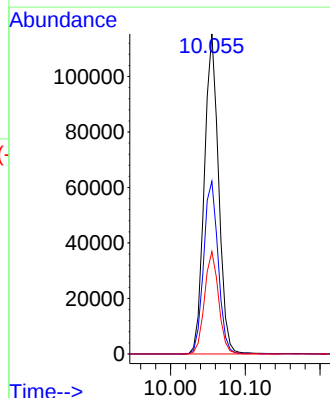
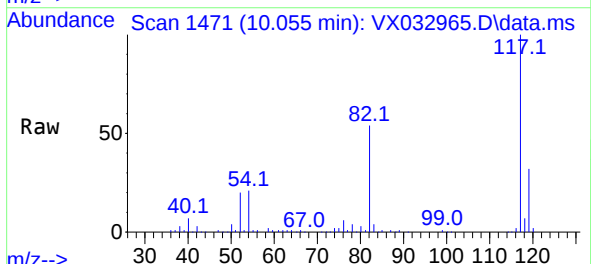
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

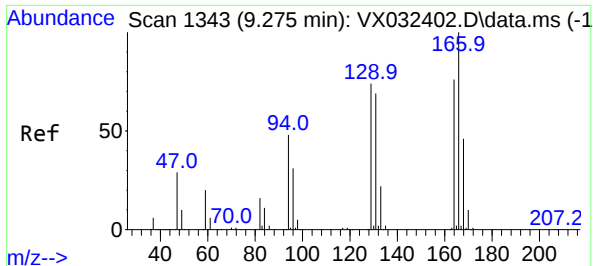
Tgt Ion: 95 Resp: 81182
Ion Ratio Lower Upper
95 100
174 81.6 0.0 164.0
176 78.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Tgt Ion: 117 Resp: 153150
Ion Ratio Lower Upper
117 100
82 53.9 44.3 66.5
119 32.0 25.7 38.5



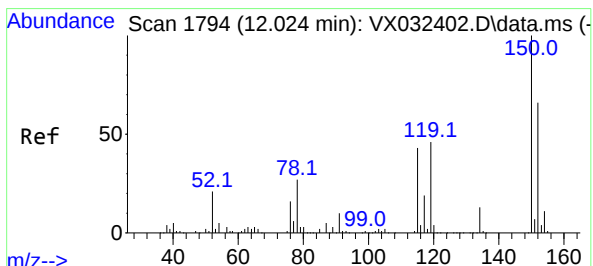
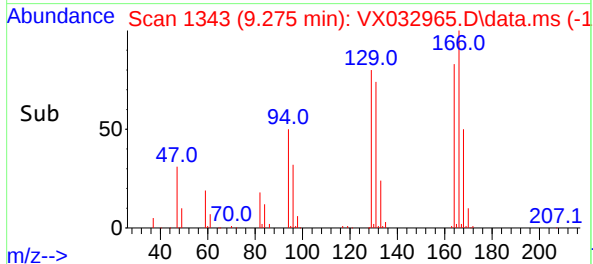
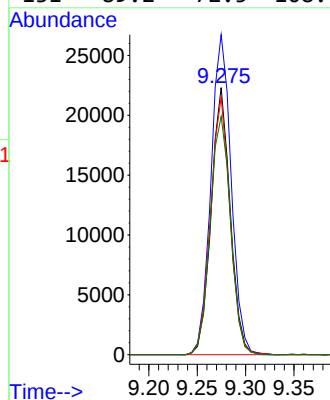
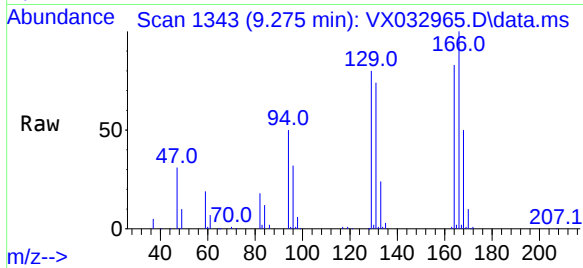


#64
Tetrachloroethene
Concen: 27.325 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

Tgt Ion:164 Resp: 30630

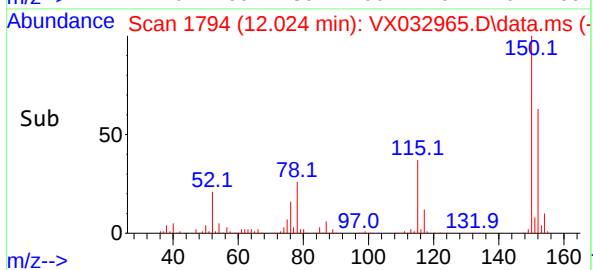
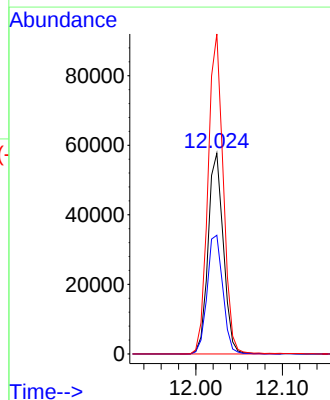
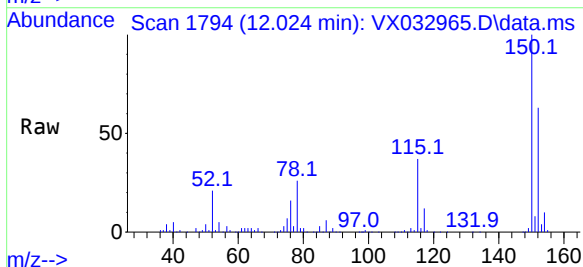
Ion	Ratio	Lower	Upper
164	100		
166	119.8	105.4	158.2
129	96.3	78.2	117.2
131	89.2	72.5	108.7

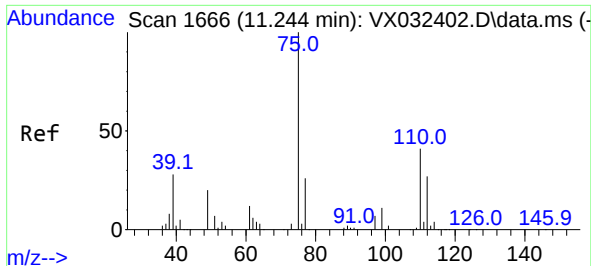


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Tgt Ion:152 Resp: 70675

Ion	Ratio	Lower	Upper
152	100		
115	60.9	44.0	132.0
150	159.6	0.0	351.8

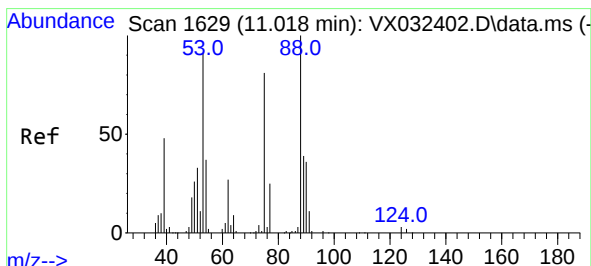
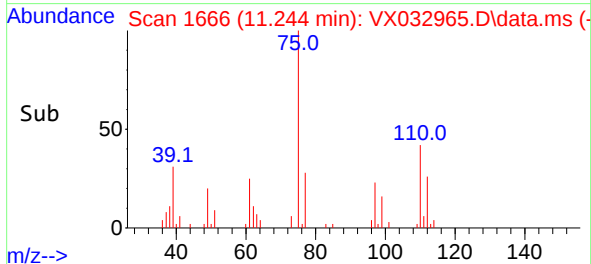
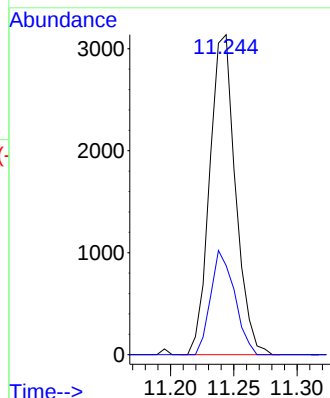
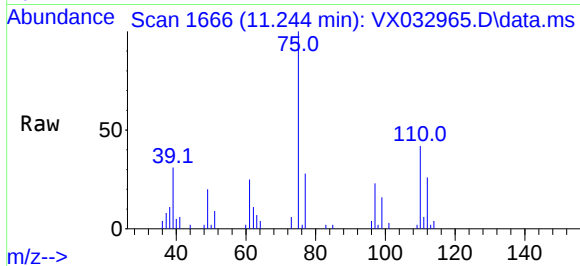




#76
1,2,3-Trichloropropane
Concen: 2.838 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20221115

Tgt Ion: 75 Resp: 4462
Ion Ratio Lower Upper
75 100
77 30.1 20.0 60.0



#81
trans-1,4-Dichloro-2-butene
Concen: 88.506 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032965.D
Acq: 21 Nov 2022 20:09

Tgt Ion: 75 Resp: 43734
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

