

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030735.D
 Acq On : 23 Aug 2022 16:28
 Operator : JC/MD
 Sample : N4245-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20220816

Quant Time: Sep 06 02:55:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 16:33:27 2022
 Response via : Initial Calibration

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

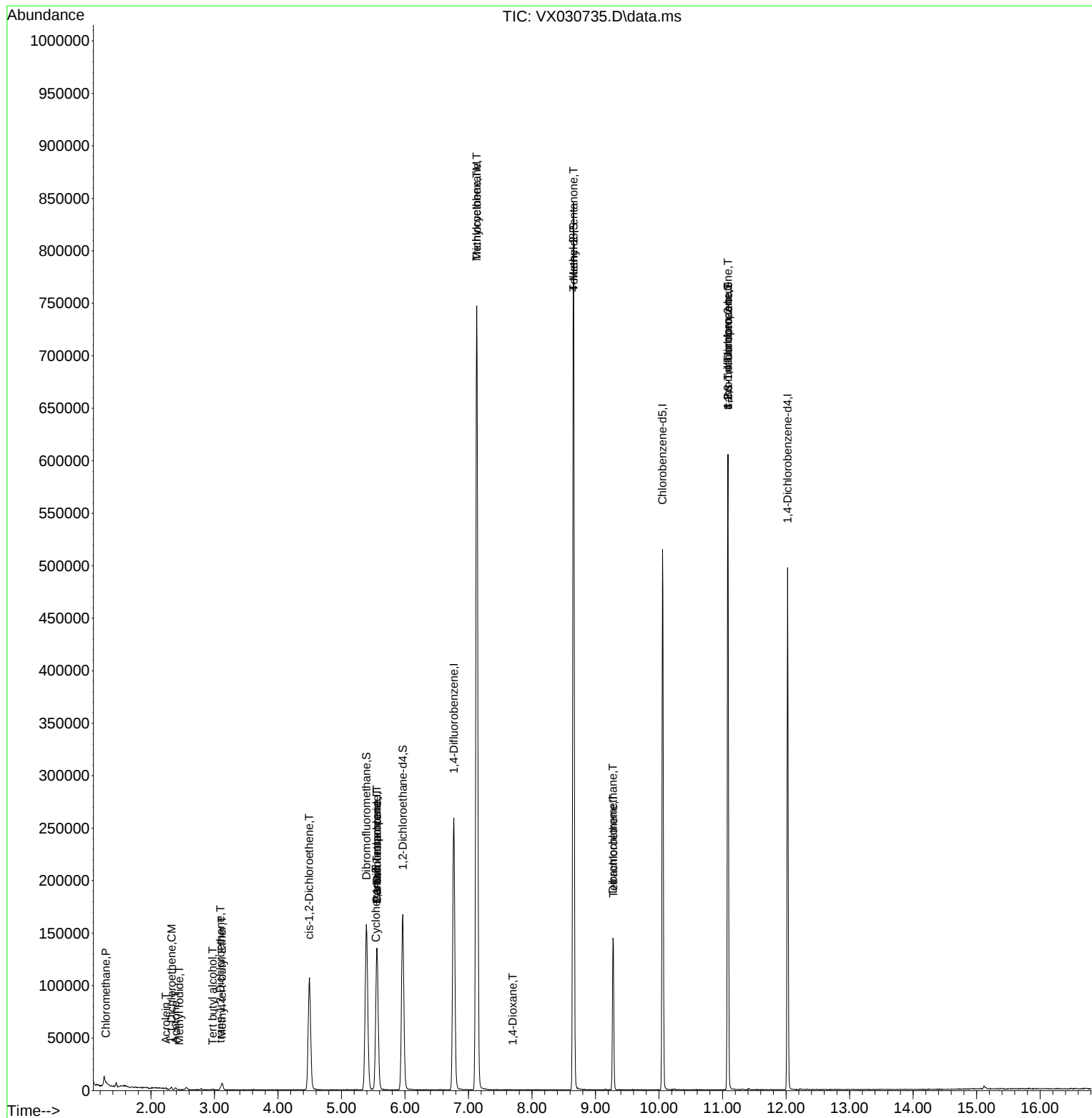
Internal Standards						
1) Pentafluorobenzene	5.556	168	123935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	276298	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152087	61.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.100%			
35) Dibromofluoromethane	5.391	113	142233	53.850	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.700%			
50) Toluene-d8	8.653	98	517112	50.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.085	95	173075	45.592	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.180%			
Target Compounds						Qvalue
3) Chloromethane	1.288	50	499	0.248	ug/l	89
5) Bromomethane	1.617	94	366	Below Cal		81
10) Methyl Iodide	2.446	142	21	1.536	ug/l #	45
11) Tert butyl alcohol	2.971	59	533	0.877	ug/l #	74
12) 1,1-Dichloroethene	2.325	96	826	0.427	ug/l	97
13) Acrolein	2.233	56	87	0.583	ug/l #	73
16) Acetone	2.386	43	1960	1.537	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	6352	0.958	ug/l	99
20) Methylene Chloride	2.800	84	607	Below Cal	#	64
21) trans-1,2-Dichloroethene	3.093	96	784	0.367	ug/l #	58
27) cis-1,2-Dichloroethene	4.489	96	71205	28.335	ug/l	90
31) Cyclohexane	5.543	56	1351	0.374	ug/l #	25
36) 1,1-Dichloropropene	5.556	75	9672	2.545	ug/l #	43
38) Carbon Tetrachloride	5.556	117	13102	3.692	ug/l #	18
39) Methylcyclohexane	7.129	83	3839	0.782	ug/l #	1
44) Trichloroethene	7.129	130	304483	93.176	ug/l	99
49) 1,4-Dioxane	7.696	88	59	0.658	ug/l #	25
51) 4-Methyl-2-Pentanone	8.653	43	1906	0.356	ug/l #	1
60) Dibromochloromethane	9.275	129	28222	9.814	ug/l #	11
64) Tetrachloroethene	9.281	164	27329	10.339	ug/l	98
67) Ethyl Benzene	10.189	91	186	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	80194	31.513	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	80194	94.536	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 24 16:33:27 2022
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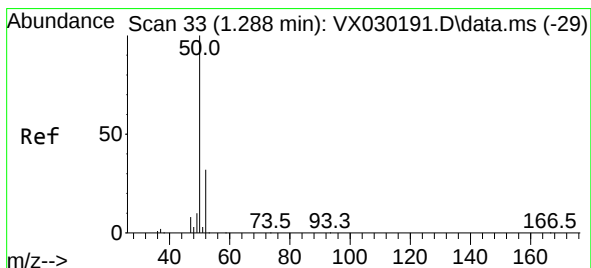
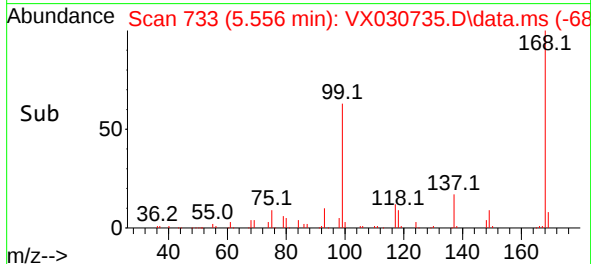
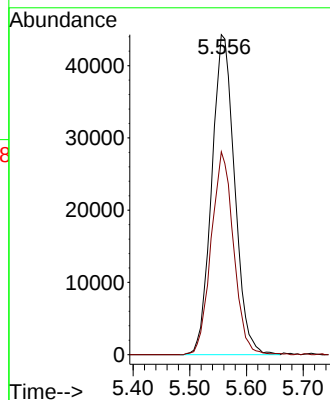
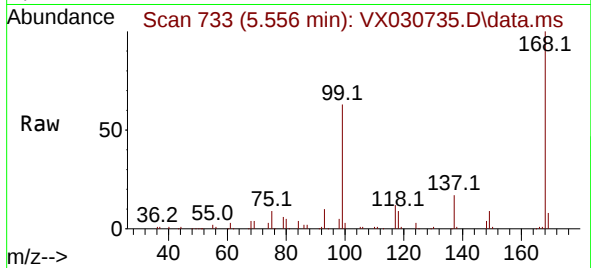




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

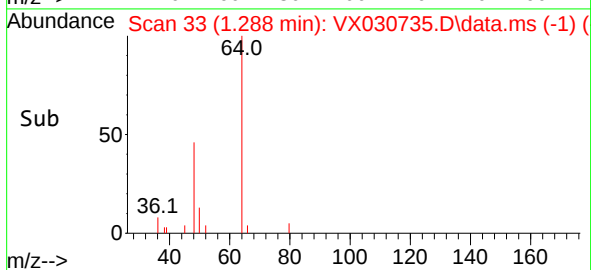
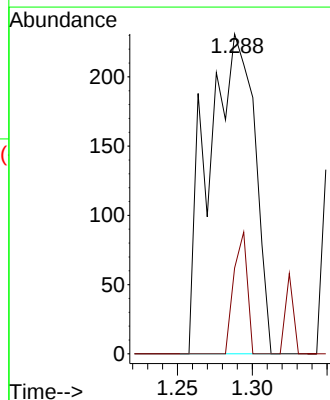
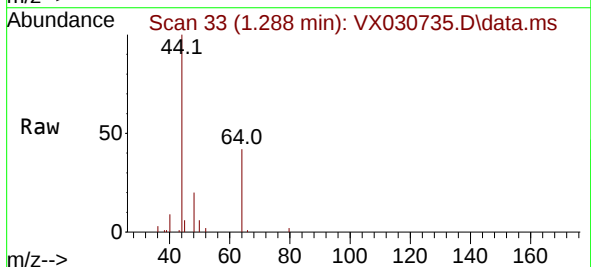
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

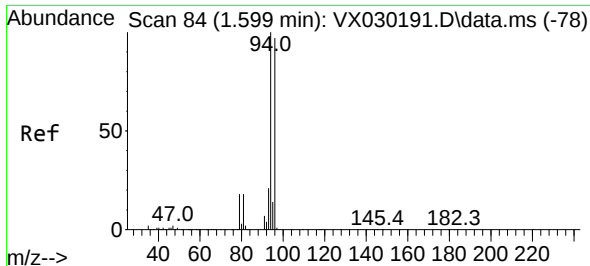
Tgt Ion:168 Resp: 123935
Ion Ratio Lower Upper
168 100
99 63.4 44.0 66.0



#3
Chloromethane
Concen: 0.248 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 50 Resp: 499
Ion Ratio Lower Upper
50 100
52 26.8 26.3 39.5

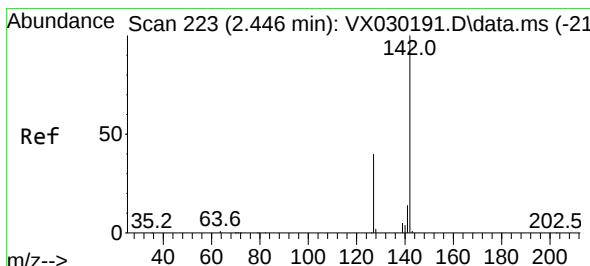
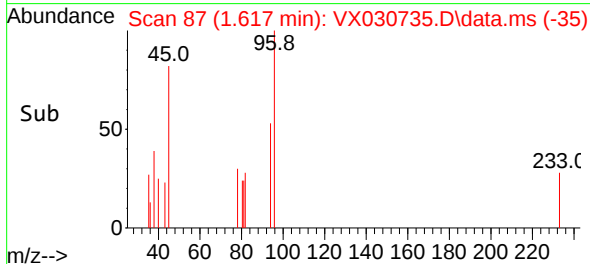
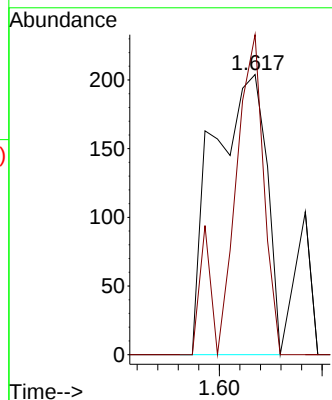
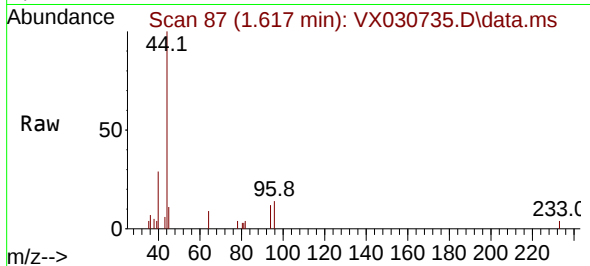




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

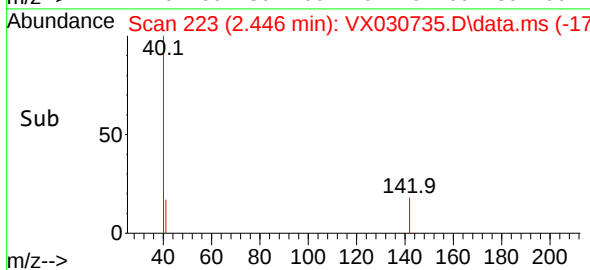
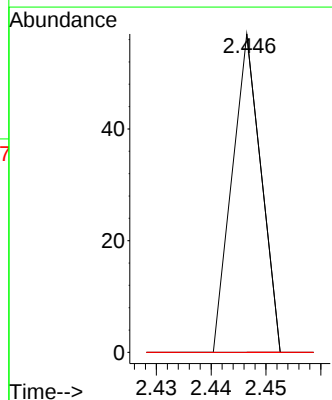
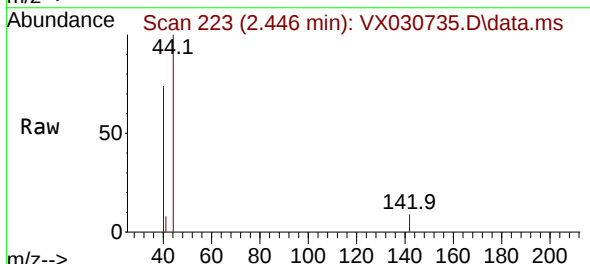
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

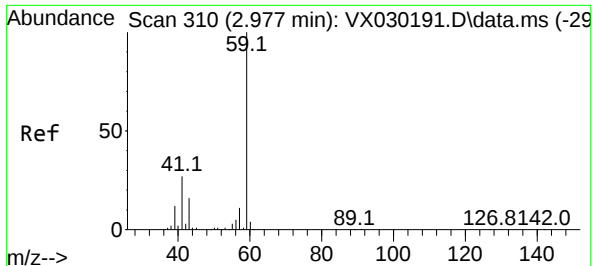
Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 114.2 76.9 115.3



#10
Methyl Iodide
Concen: 1.536 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

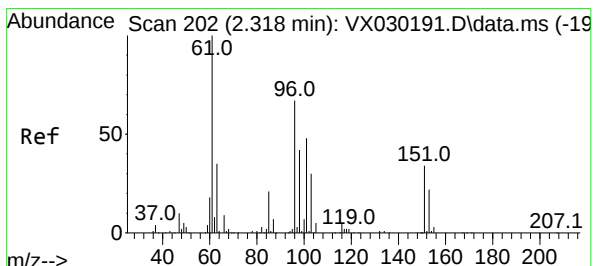
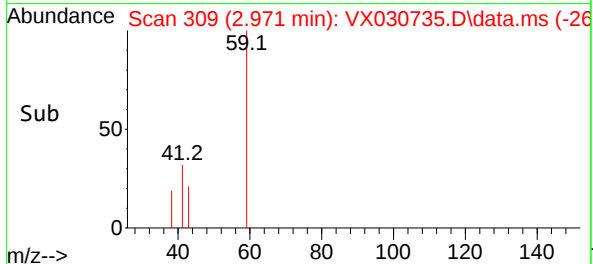
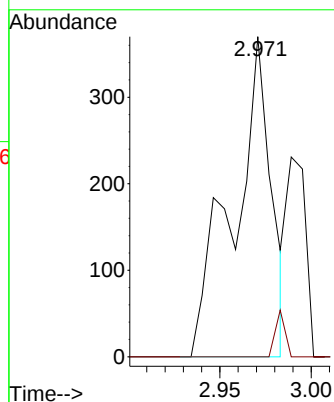
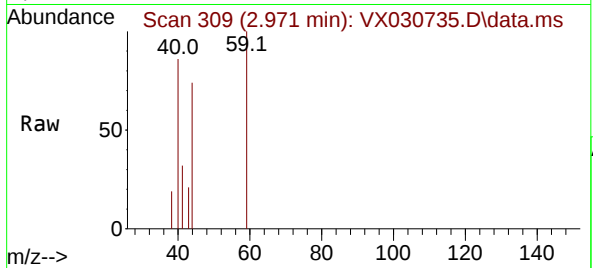




#11
Tert butyl alcohol
Concen: 0.877 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

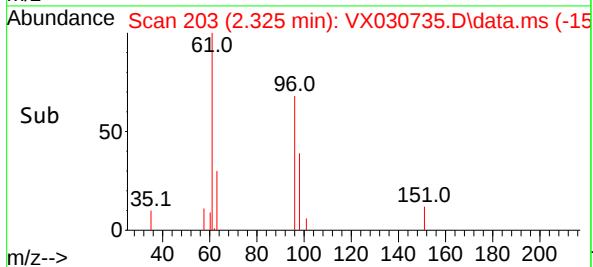
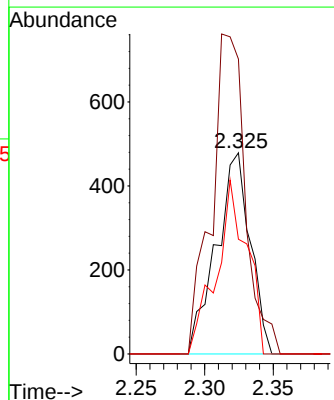
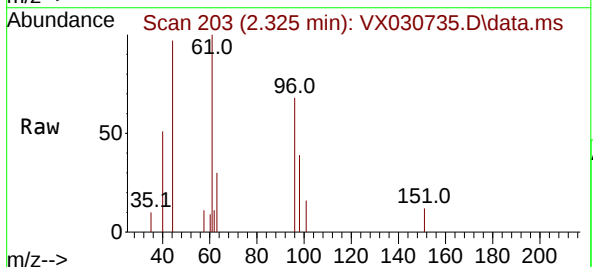
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

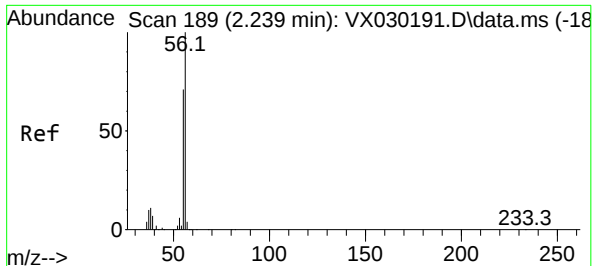
Tgt Ion: 59 Resp: 533
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 0.427 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 96 Resp: 826
Ion Ratio Lower Upper
96 100
61 146.6 117.4 176.0
98 57.0 52.2 78.4

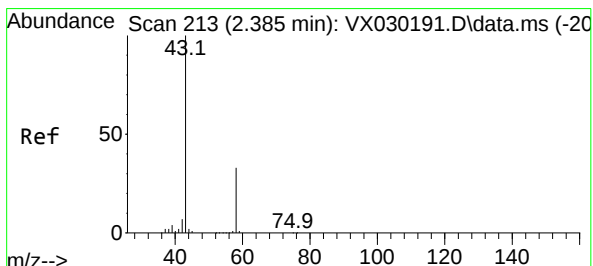
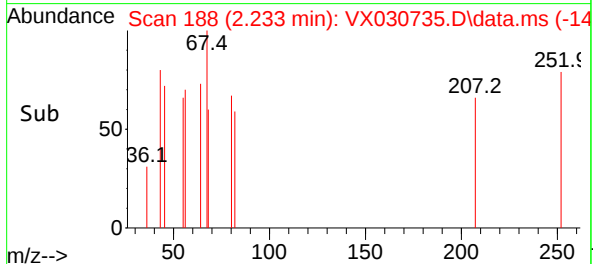
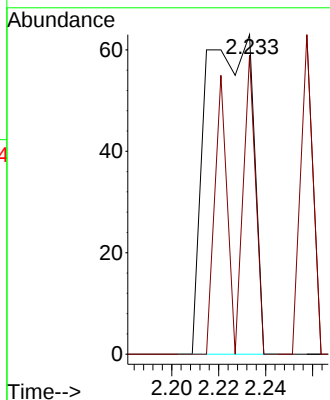
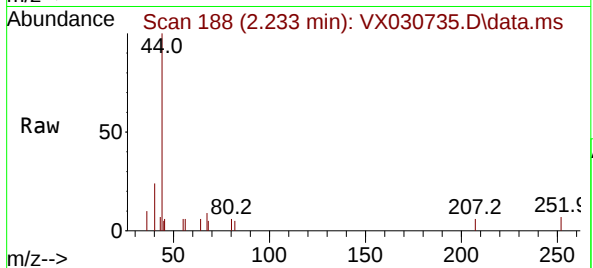




#13
Acrolein
Concen: 0.583 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

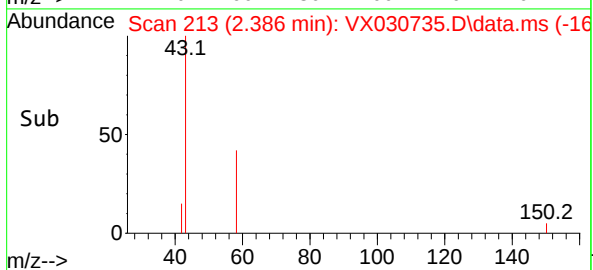
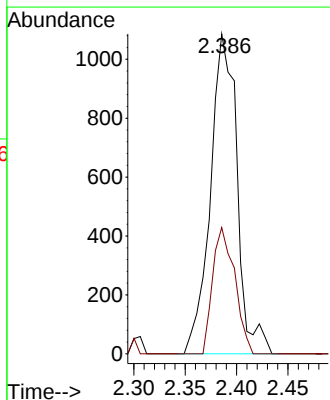
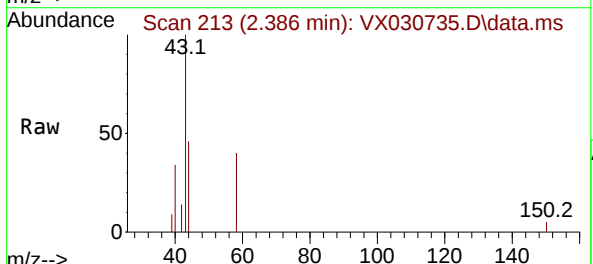
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

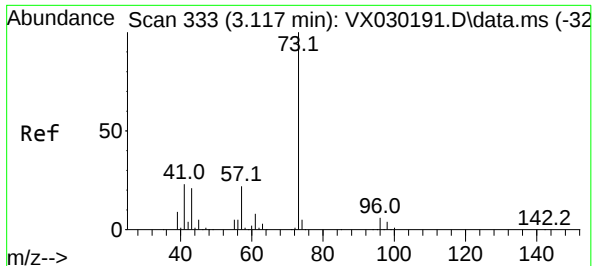
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 48.3 56.6 84.8#



#16
Acetone
Concen: 1.537 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
58 39.5 27.7 41.5





#19

Methyl tert-butyl Ether

Concen: 0.958 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX030735.D

Acq: 23 Aug 2022 16:28

Instrument :

MSVOA_X

ClientSampleId :

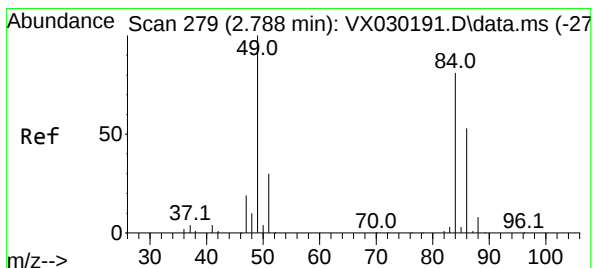
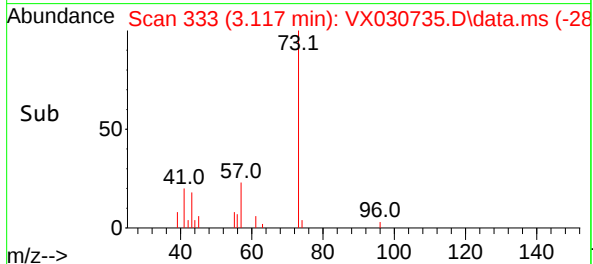
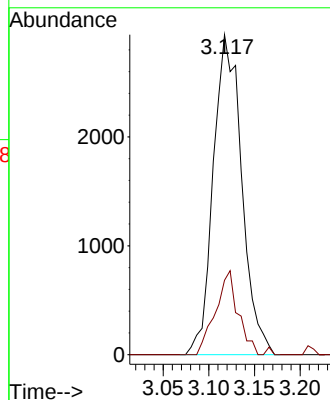
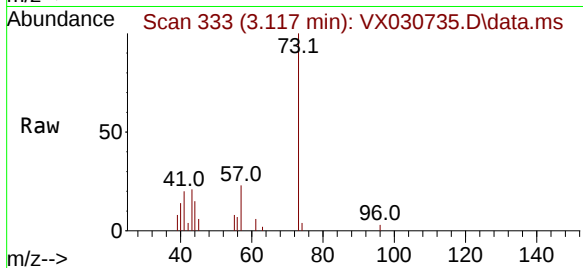
DUP02-20220816

Tgt Ion: 73 Resp: 6352

Ion Ratio Lower Upper

73 100

57 23.2 19.0 28.6



#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

Lab File: VX030735.D

Acq: 23 Aug 2022 16:28

Tgt Ion: 84 Resp: 607

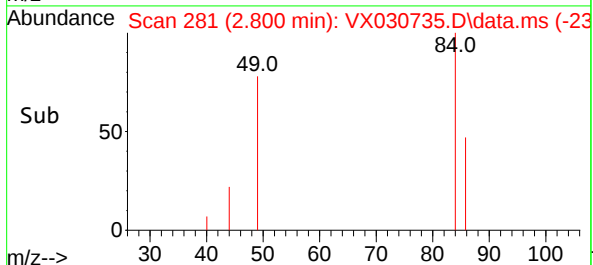
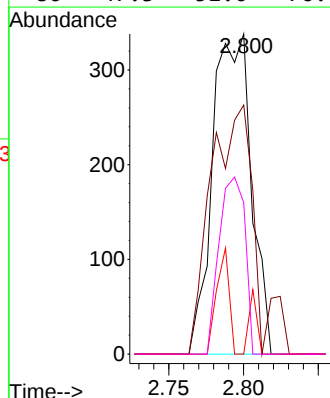
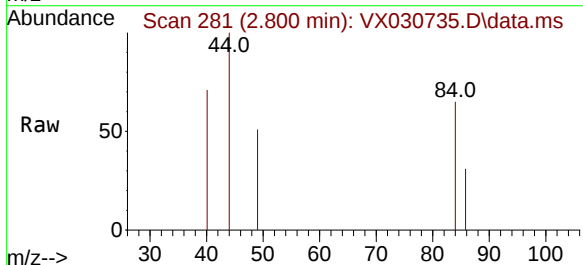
Ion Ratio Lower Upper

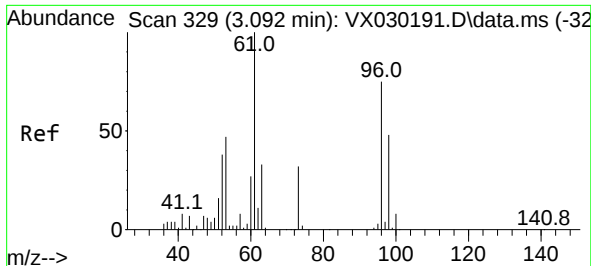
84 100

49 77.8 93.8 140.6#

51 0.0 29.4 44.0#

86 47.3 51.0 76.4#

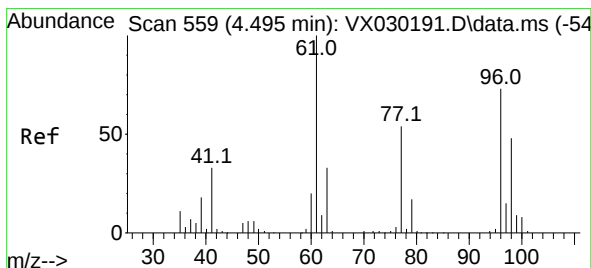
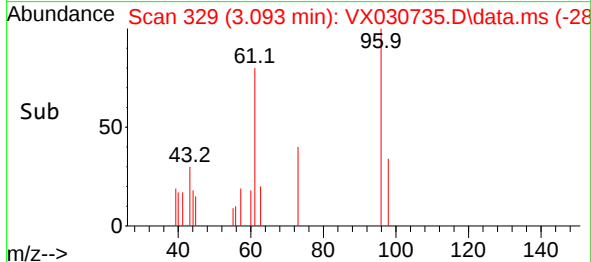
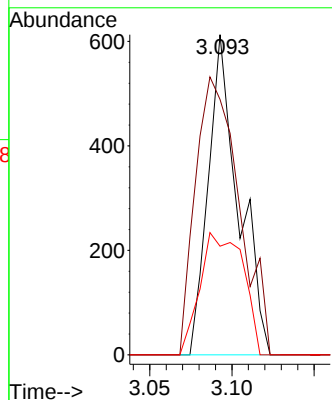
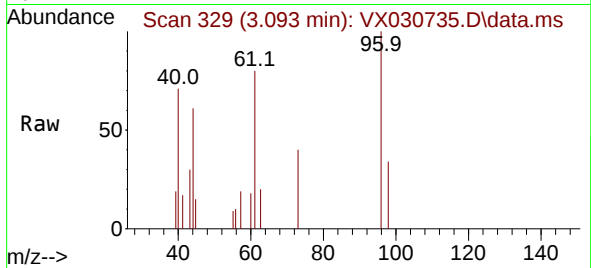




#21
trans-1,2-Dichloroethene
Concen: 0.367 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.001 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

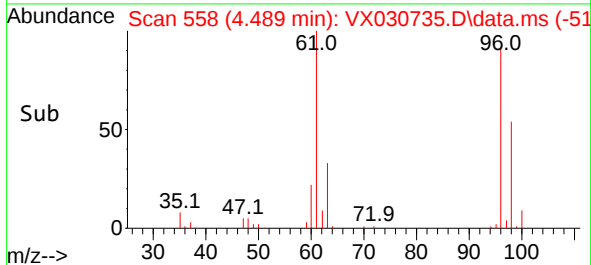
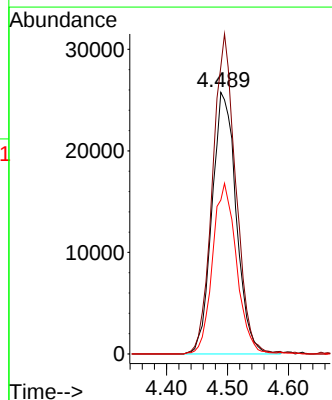
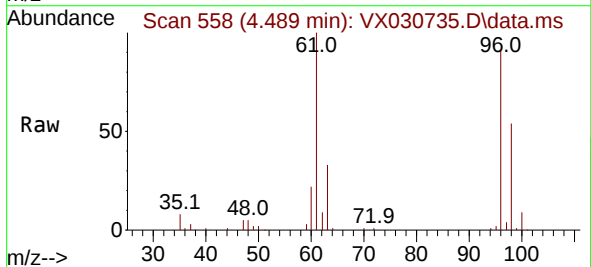
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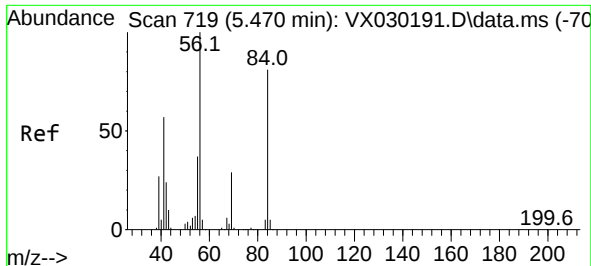
Tgt Ion: 96 Resp: 784
Ion Ratio Lower Upper
96 100
61 79.8 105.6 158.4#
98 33.9 50.1 75.1#



#27
cis-1,2-Dichloroethene
Concen: 28.335 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 96 Resp: 71205
Ion Ratio Lower Upper
96 100
61 116.9 0.0 270.0
98 64.3 0.0 127.8

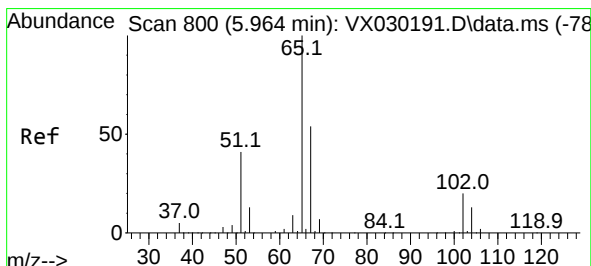
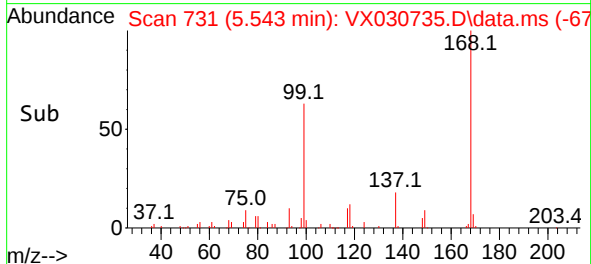
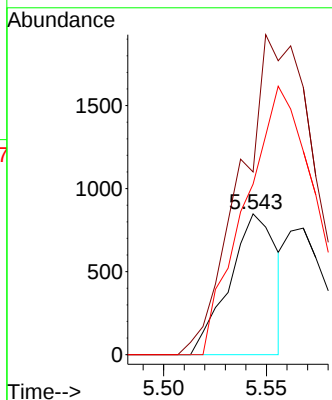
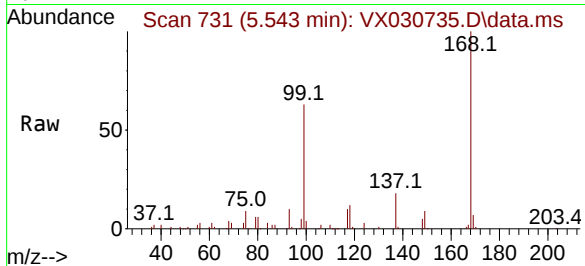




#31
Cyclohexane
Concen: 0.374 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

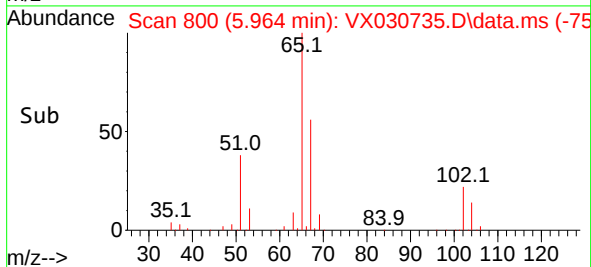
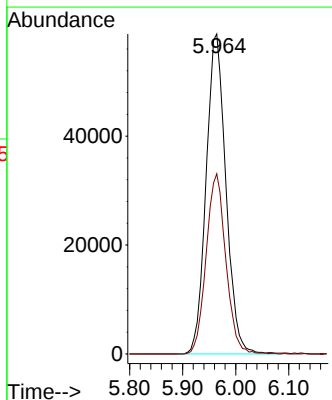
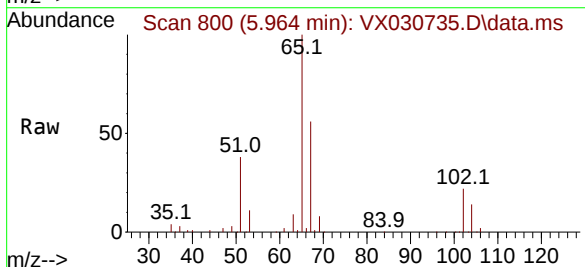
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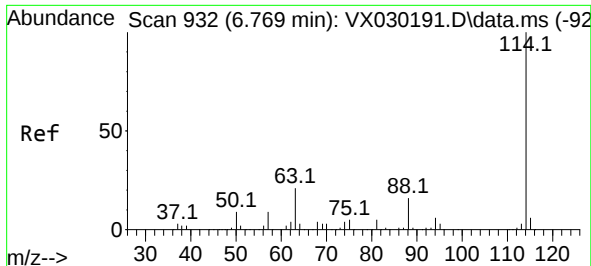
Tgt Ion: 56 Resp: 1351
Ion Ratio Lower Upper
56 100
69 129.7 25.4 38.0#
84 121.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 61.054 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 65 Resp: 152087
Ion Ratio Lower Upper
65 100
67 56.0 0.0 109.6

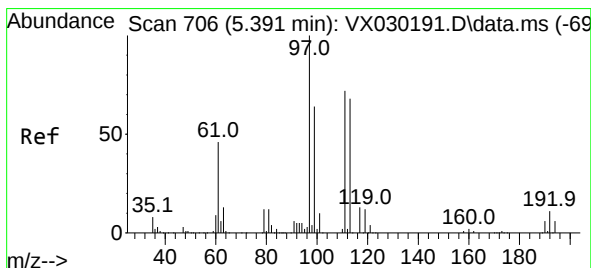
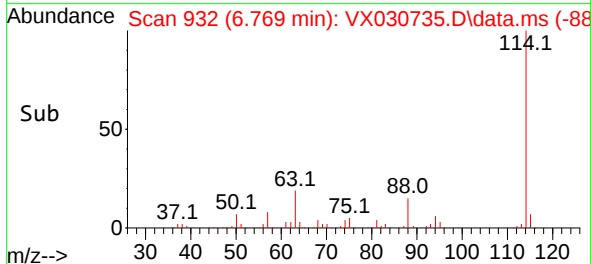
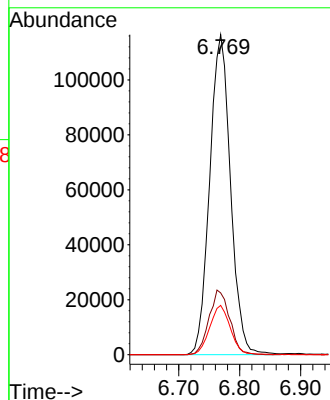
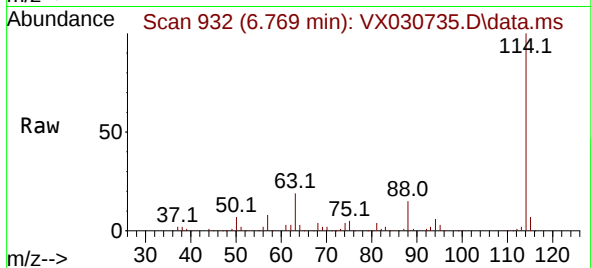




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

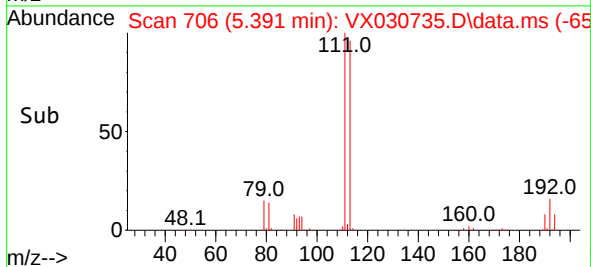
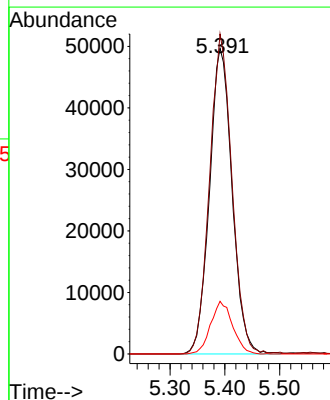
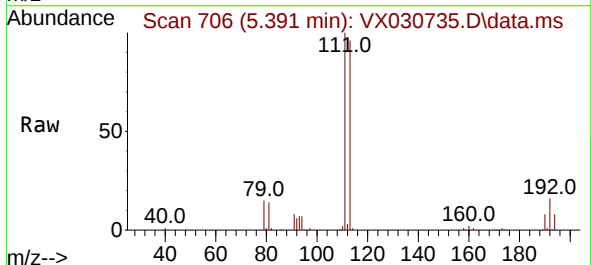
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

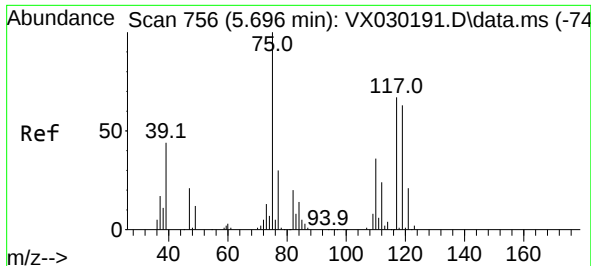
Tgt Ion:114 Resp: 276298
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.4
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.850 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion:113 Resp: 142233
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 16.7 14.8 22.2

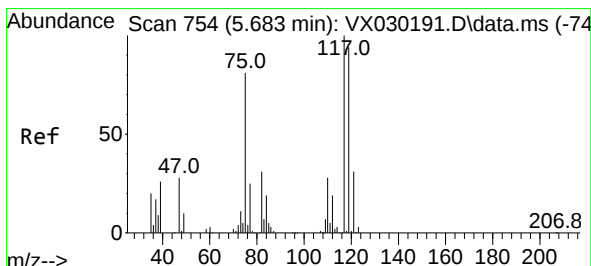
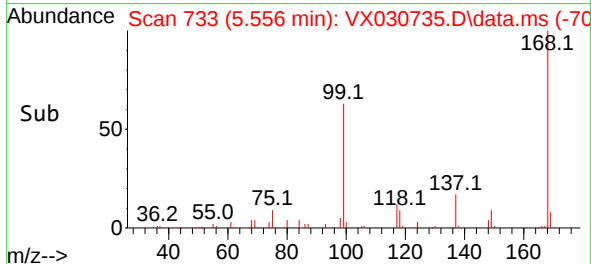
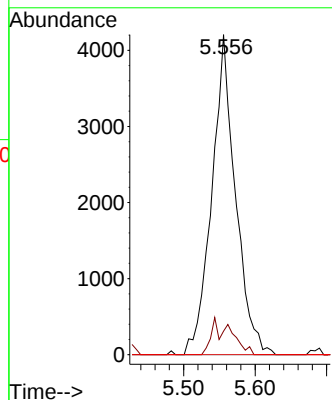
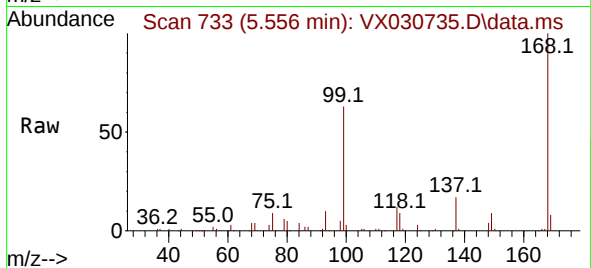




#36
1,1-Dichloropropene
Concen: 2.545 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

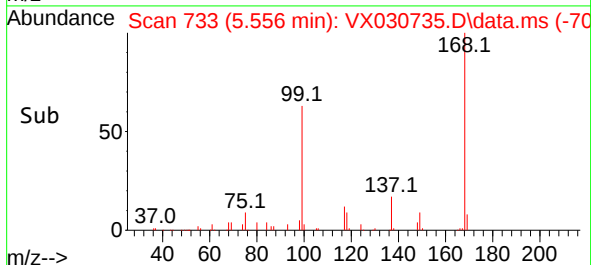
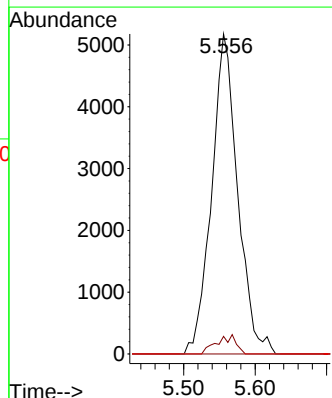
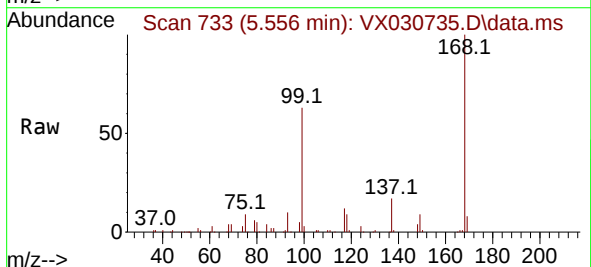
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

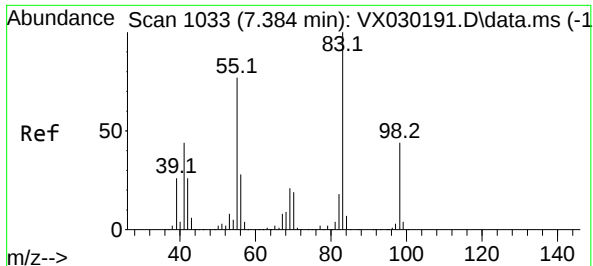
Tgt Ion: 75 Resp: 9672
Ion Ratio Lower Upper
75 100
110 3.7 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 3.692 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.127 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 117 Resp: 13102
Ion Ratio Lower Upper
117 100
119 5.5 74.1 111.1#
121 0.0 25.8 38.8#

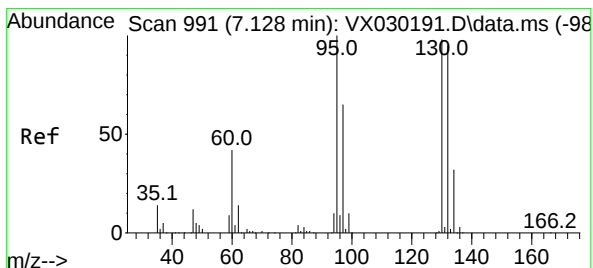
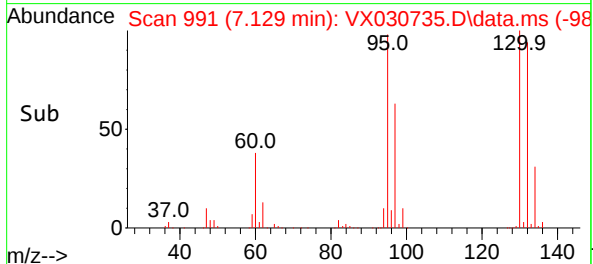
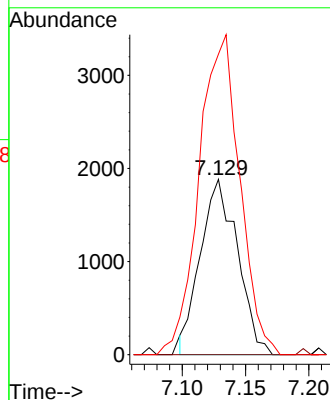
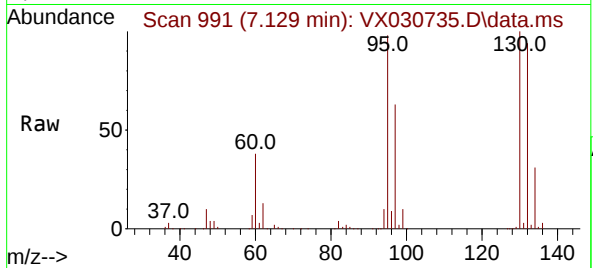




#39
Methylcyclohexane
Concen: 0.782 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.255 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

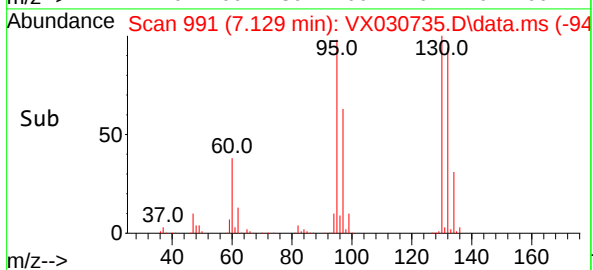
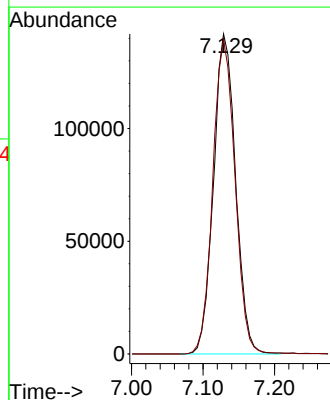
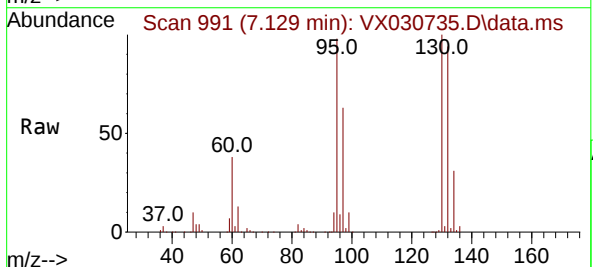
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

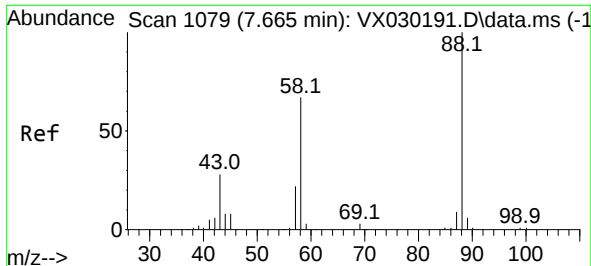
Tgt Ion: 83 Resp: 3839
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 171.4 36.5 54.7#



#44
Trichloroethene
Concen: 93.176 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.001 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion:130 Resp: 304483
Ion Ratio Lower Upper
130 100
95 98.3 0.0 194.8





#49

1,4-Dioxane

Concen: 0.658 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.031 min

Lab File: VX030735.D

Acq: 23 Aug 2022 16:28

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20220816

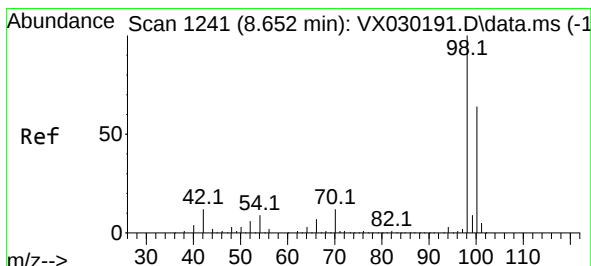
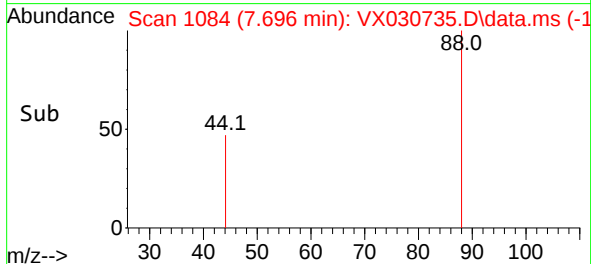
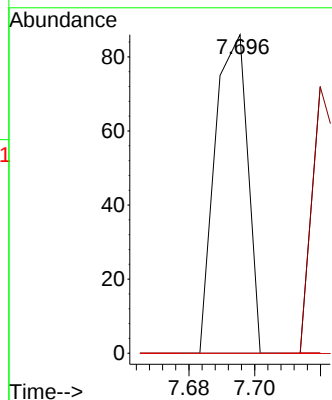
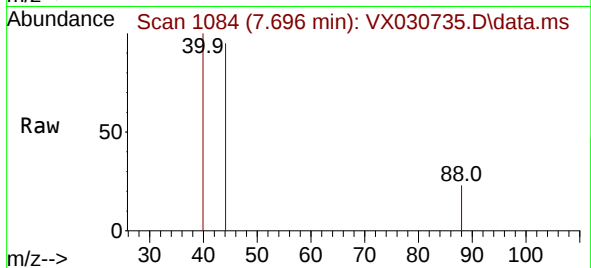
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 50.555 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030735.D

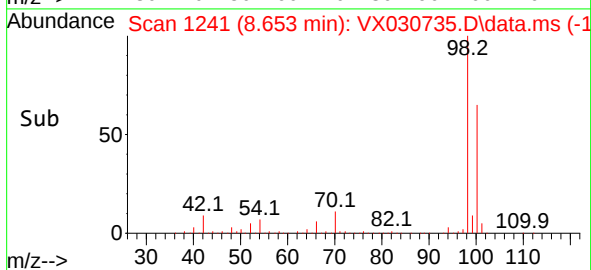
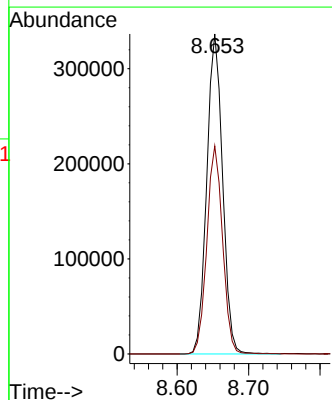
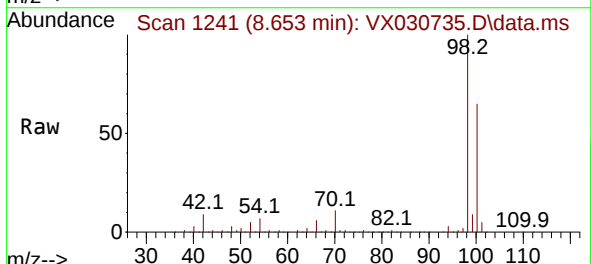
Acq: 23 Aug 2022 16:28

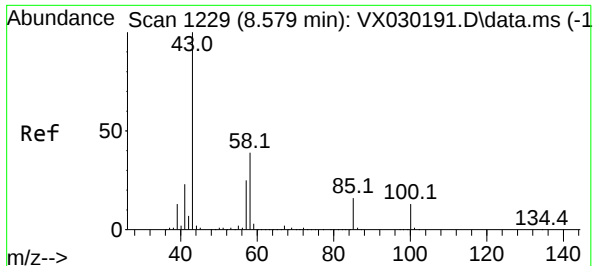
Tgt Ion: 98 Resp: 517112

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5

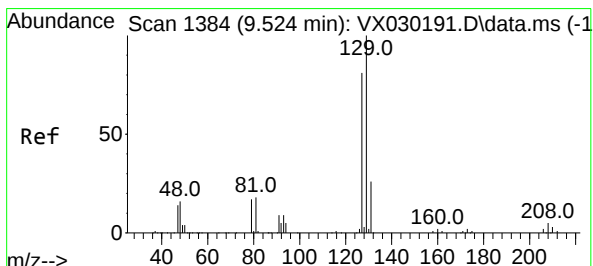
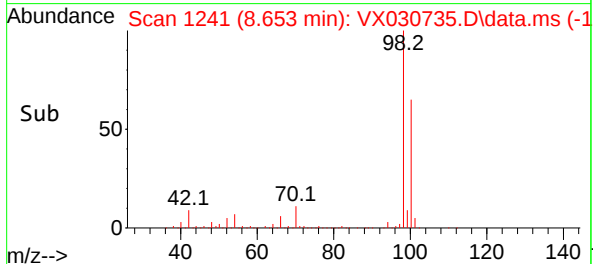
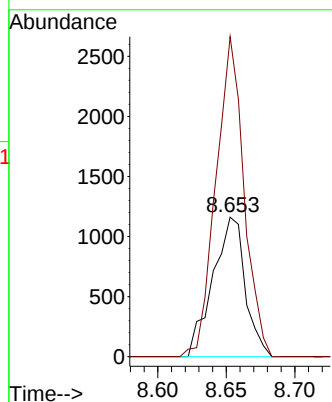
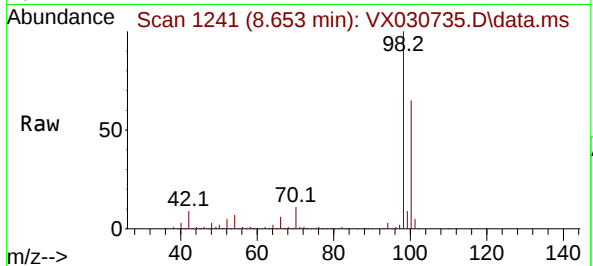




#51
4-Methyl-2-Pentanone
Concen: 0.356 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

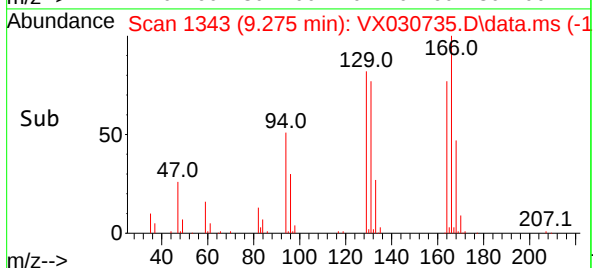
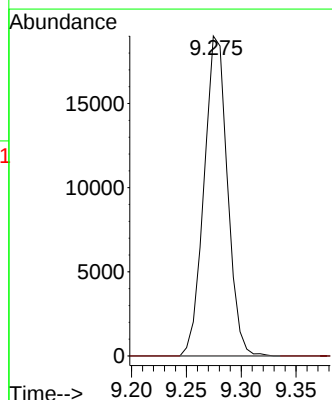
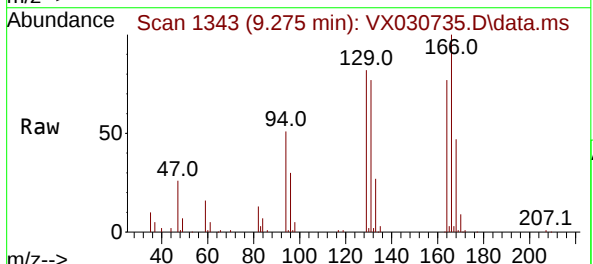
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

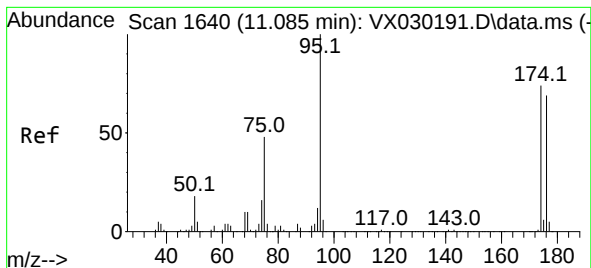
Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
58 199.0 31.4 47.2#



#60
Dibromochloromethane
Concen: 9.814 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 129 Resp: 28222
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

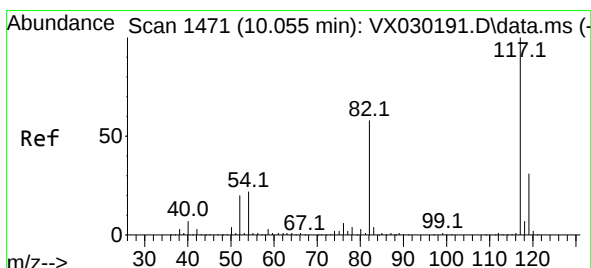
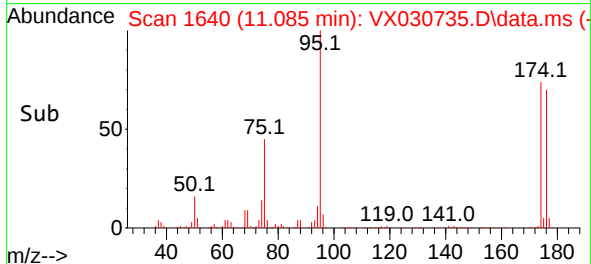
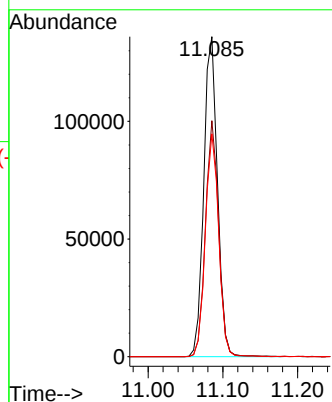
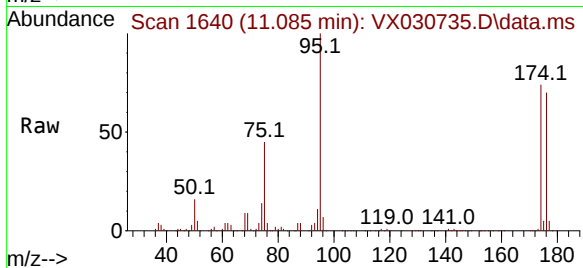




#62
4-Bromofluorobenzene
Concen: 45.592 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

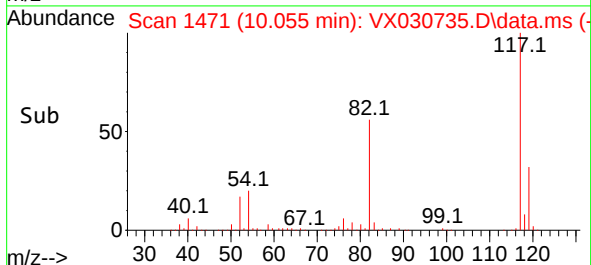
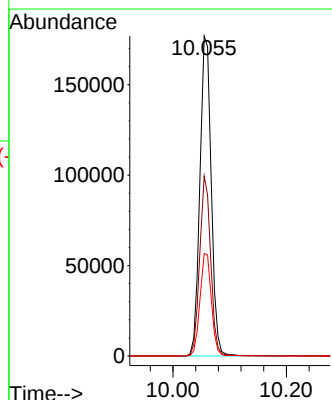
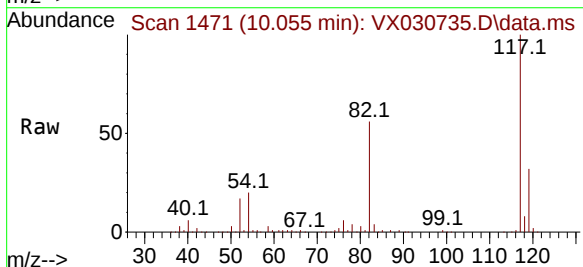
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

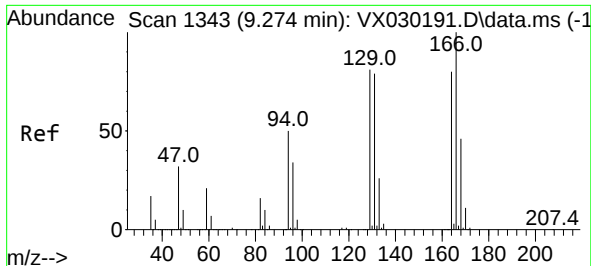
Tgt Ion: 95 Resp: 173075
Ion Ratio Lower Upper
95 100
174 71.2 0.0 149.0
176 68.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 117 Resp: 245535
Ion Ratio Lower Upper
117 100
82 56.2 42.7 64.1
119 32.1 25.4 38.2

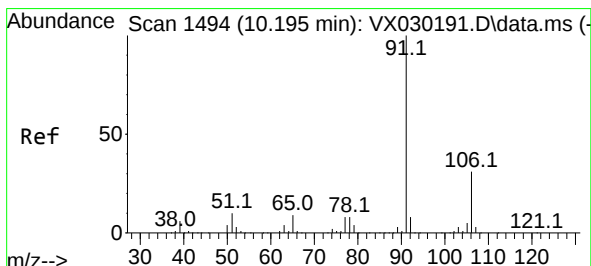
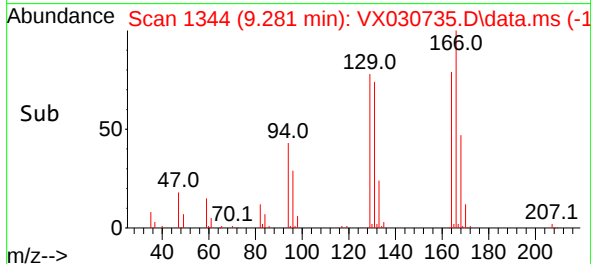
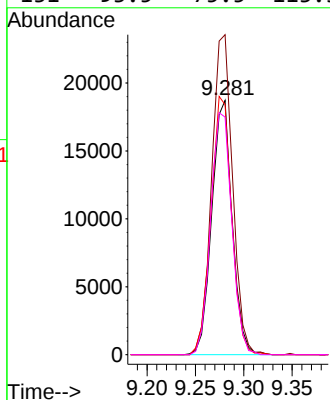
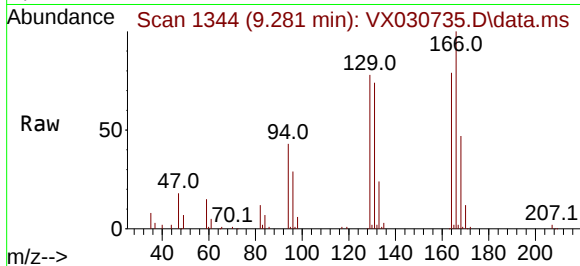




#64
Tetrachloroethene
Concen: 10.339 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

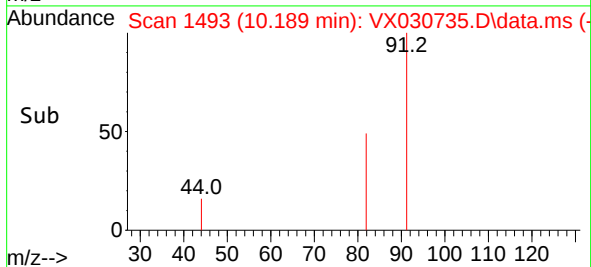
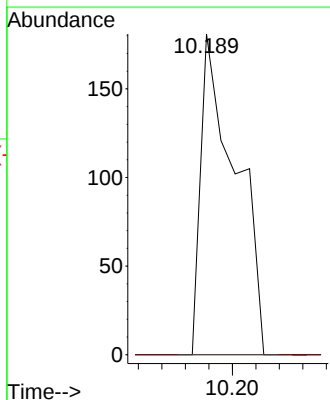
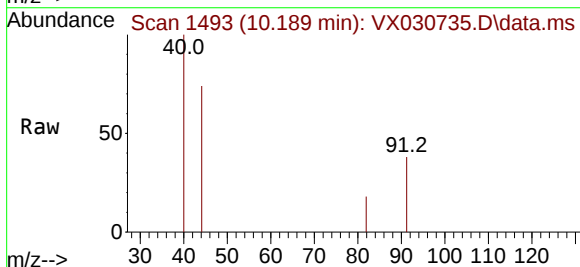
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20220816

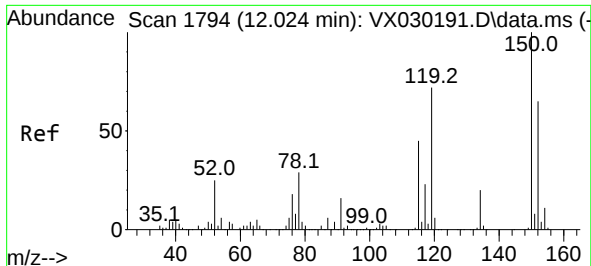
Tgt Ion:164 Resp: 27329
Ion Ratio Lower Upper
164 100
166 125.9 98.2 147.4
129 98.4 80.8 121.2
131 93.5 75.5 113.3



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.189 min Scan# 1493
Delta R.T. -0.006 min
Lab File: VX030735.D
Acq: 23 Aug 2022 16:28

Tgt Ion: 91 Resp: 186
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#

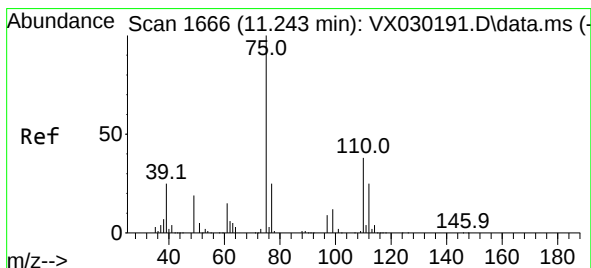
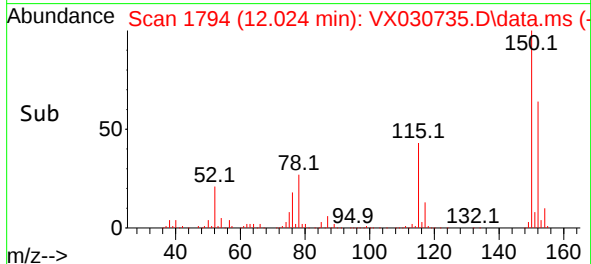
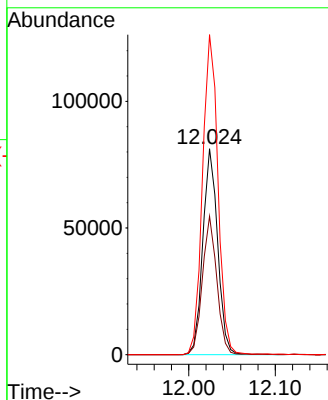
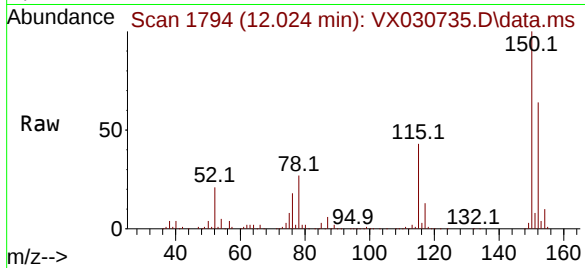




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX030735.D
 Acq: 23 Aug 2022 16:28

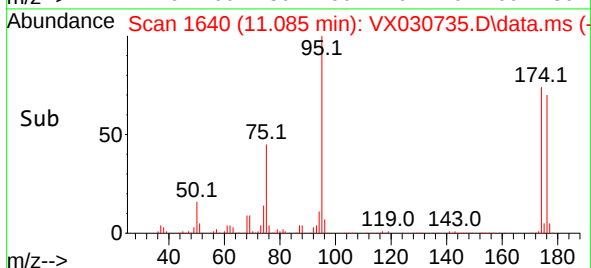
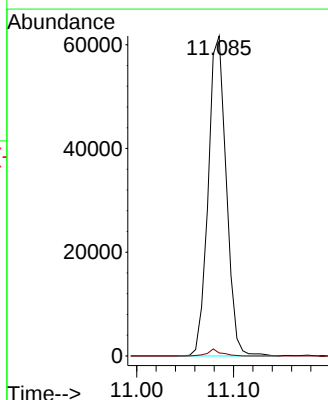
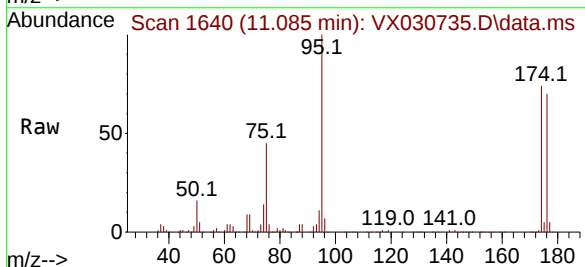
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20220816

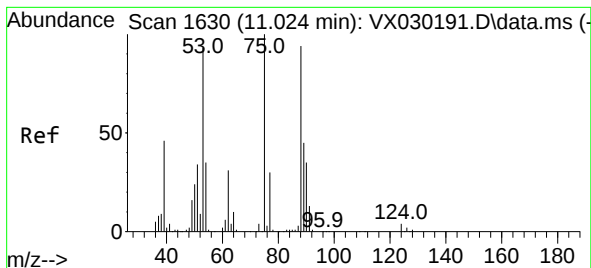
Tgt Ion:152 Resp: 96543
 Ion Ratio Lower Upper
 152 100
 115 65.7 40.5 121.5
 150 162.1 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 31.513 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030735.D
 Acq: 23 Aug 2022 16:28

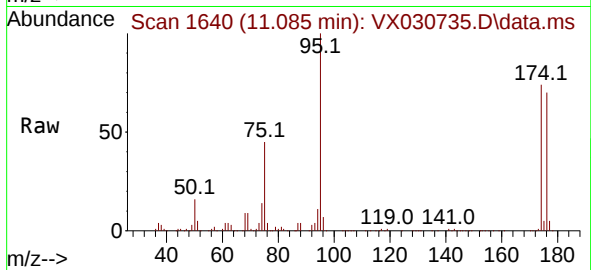
Tgt Ion: 75 Resp: 80194
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.536 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030735.D
 Acq: 23 Aug 2022 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20220816



Tgt Ion: 75 Resp: 80194
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

