

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025490.D
 Acq On : 03 Dec 2021 18:16
 Operator : JC/MD
 Sample : M4924-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP08-20211202

Quant Time: Dec 04 06:52:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

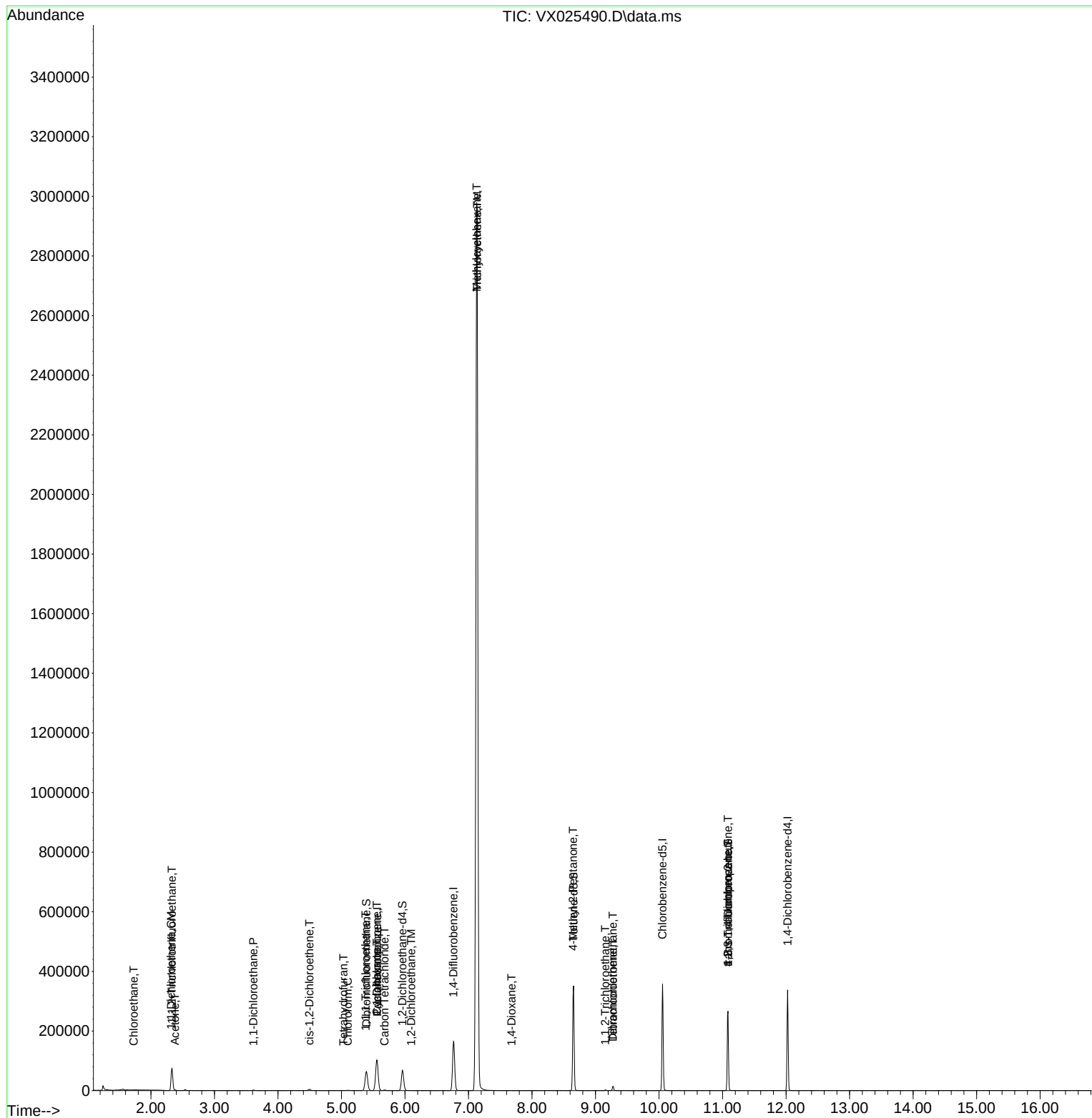
Internal Standards						
1) Pentafluorobenzene	5.562	168	103809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	177708	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62155	56.803	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.600%	
35) Dibromofluoromethane	5.391	113	54952	50.398	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.800%	
50) Toluene-d8	8.653	98	206231	50.305	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.620%	
62) 4-Bromofluorobenzene	11.085	95	72413	46.690	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.380%	
Target Compounds						Qvalue
6) Chloroethane	1.727	64	259	0.307	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.331	101	25135	26.018	ug/l	99
11) Tert butyl alcohol	2.946	59	62	Below Cal	#	72
12) 1,1-Dichloroethene	2.318	96	6351	6.601	ug/l	86
16) Acetone	2.379	43	2097	3.449	ug/l	96
24) 1,1-Dichloroethane	3.611	63	2148	1.185	ug/l #	95
27) cis-1,2-Dichloroethene	4.495	96	2840	2.307	ug/l	85
29) Tetrahydrofuran	5.031	42	320	0.588	ug/l #	48
30) Chloroform	5.098	83	1536	0.815	ug/l	93
31) Cyclohexane	5.556	56	1927	1.140	ug/l #	12
32) 1,1,1-Trichloroethane	5.379	97	529	0.306	ug/l #	43
36) 1,1-Dichloropropene	5.556	75	7203	4.646	ug/l #	50
38) Carbon Tetrachloride	5.678	117	1624	0.951	ug/l	92
39) Methylcyclohexane	7.128	83	14121	7.100	ug/l #	1
42) 1,2-Dichloroethane	6.098	62	338	0.221	ug/l #	77
44) Trichloroethene	7.135	130	1180555	865.260	ug/l	97
49) 1,4-Dioxane	7.677	88	169	5.808	ug/l #	76
51) 4-Methyl-2-Pentanone	8.646	43	778	0.423	ug/l #	1
55) 1,1,2-Trichloroethane	9.152	97	761	0.624	ug/l	91
60) Dibromochloromethane	9.274	129	2579	1.839	ug/l #	11
64) Tetrachloroethene	9.274	164	2938	2.201	ug/l	87
76) 1,2,3-Trichloropropane	11.085	75	35111	23.566	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	35111	59.368	ug/l #	9

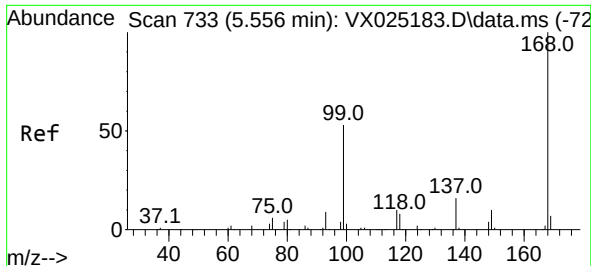
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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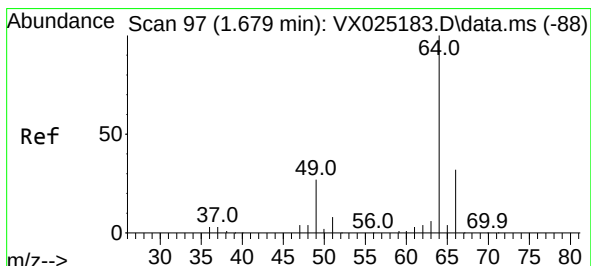
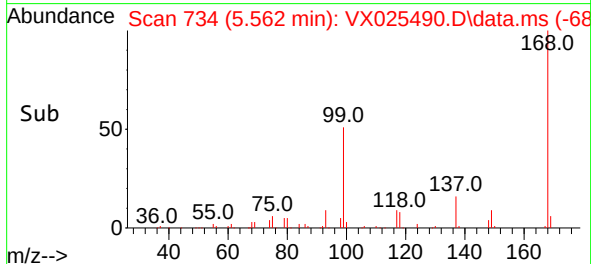
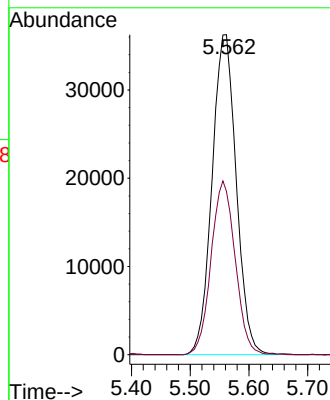
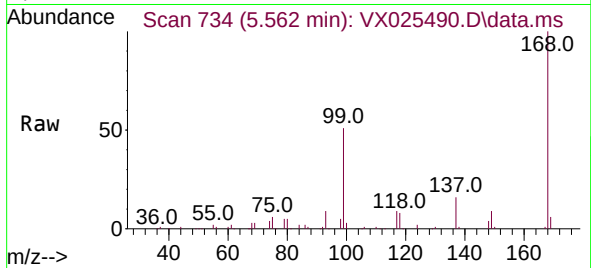




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

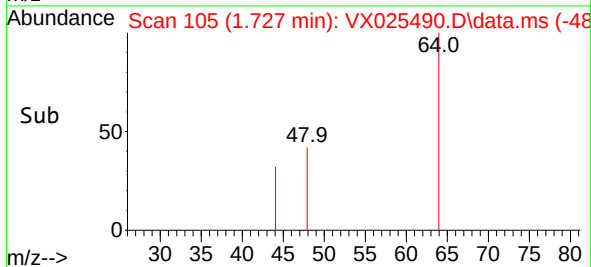
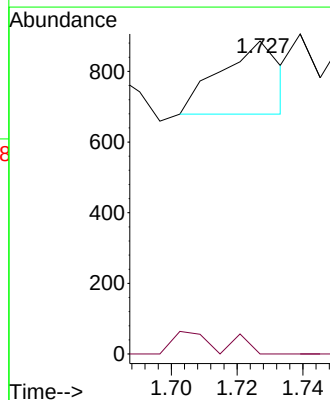
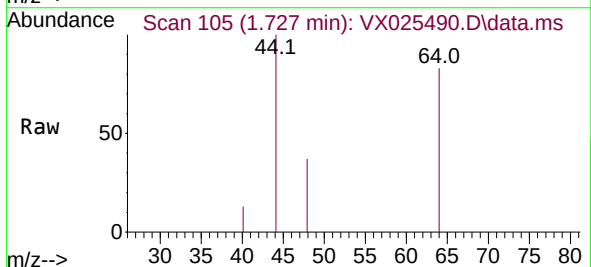
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20211202

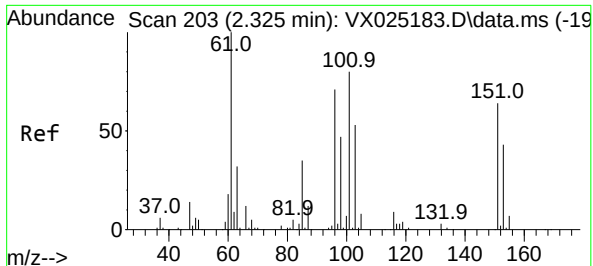
Tgt Ion:168 Resp: 103809
Ion Ratio Lower Upper
168 100
99 51.1 46.4 69.6



#6
Chloroethane
Concen: 0.307 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.048 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#

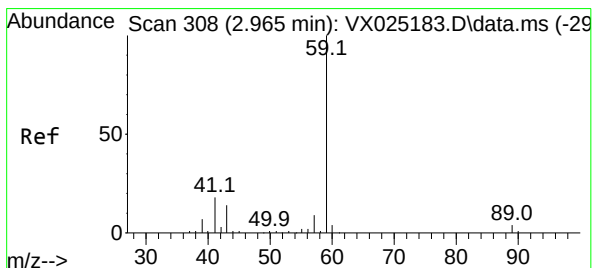
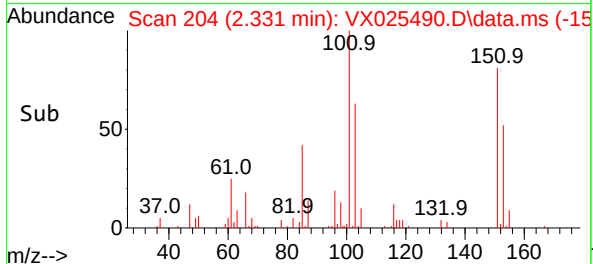
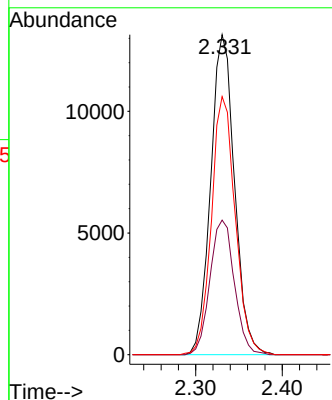
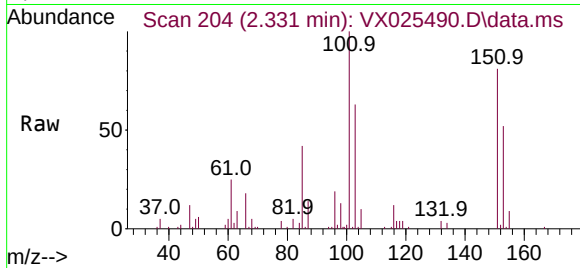




#9
1,1,2-Trichlorotrifluoroethane
Concen: 26.018 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

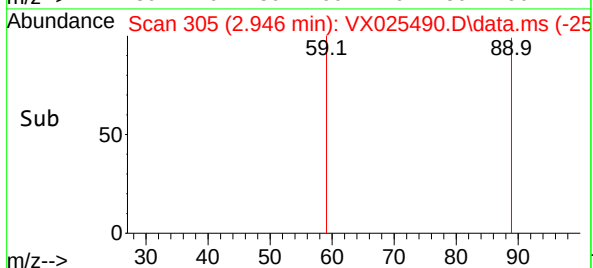
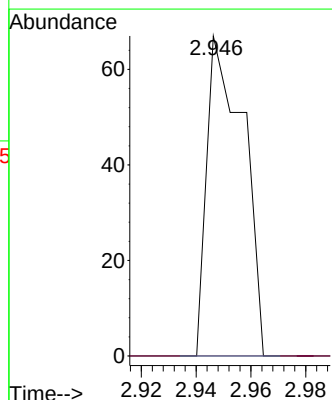
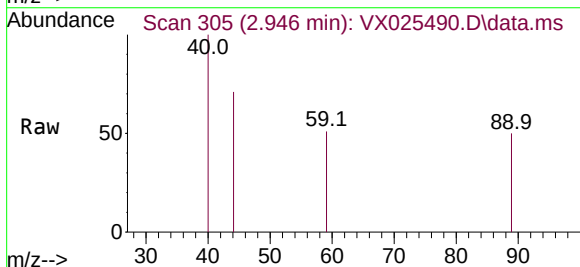
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20211202

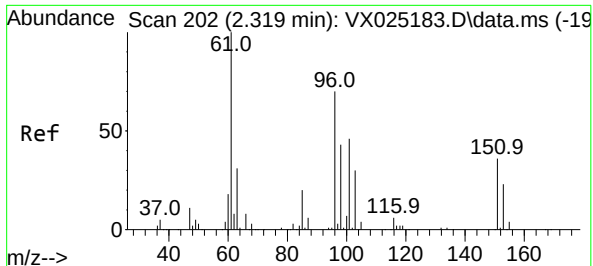
Tgt Ion:101 Resp: 25135
Ion Ratio Lower Upper
101 100
85 43.0 35.9 53.9
151 80.5 64.4 96.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#12

1,1-Dichloroethene

Concen: 6.601 ug/l

RT: 2.318 min Scan# 20

Delta R.T. -0.001 min

Lab File: VX025490.D

Acq: 03 Dec 2021 18:16

Instrument :

MSVOA_X

ClientSampleId :

DUP08-20211202

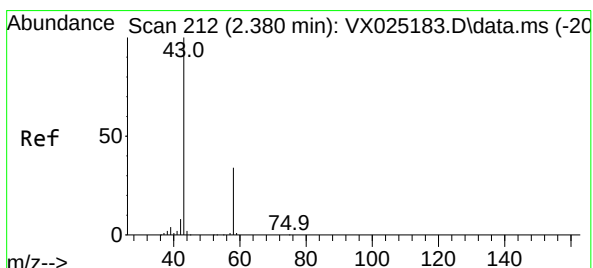
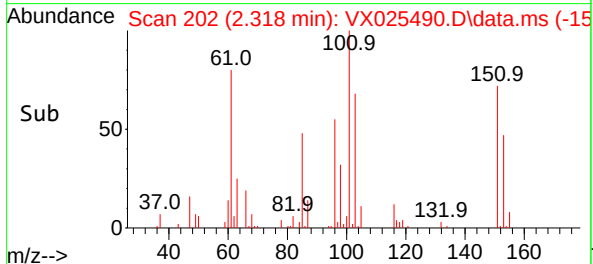
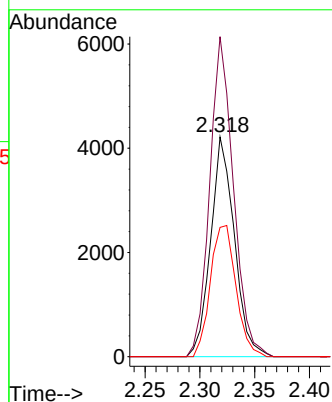
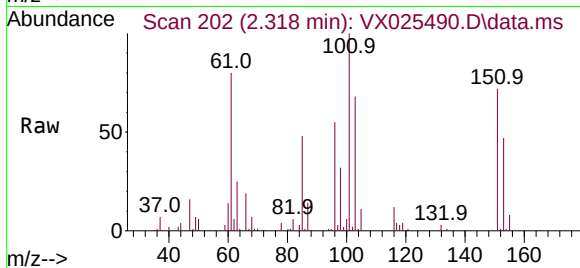
Tgt Ion: 96 Resp: 6351

Ion Ratio Lower Upper

96 100

61 145.6 134.1 201.1

98 58.9 51.5 77.3



#16

Acetone

Concen: 3.449 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.001 min

Lab File: VX025490.D

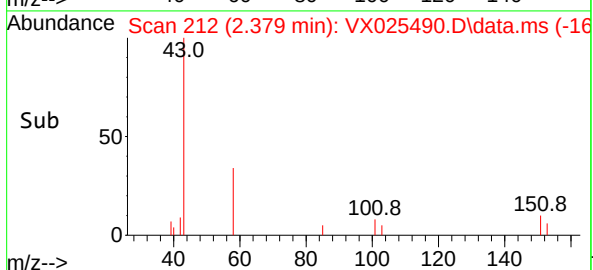
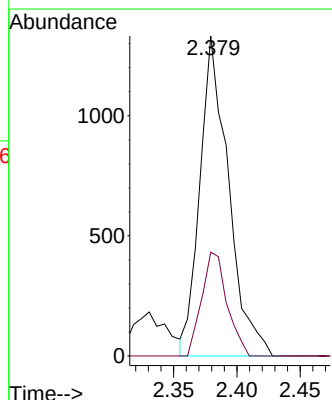
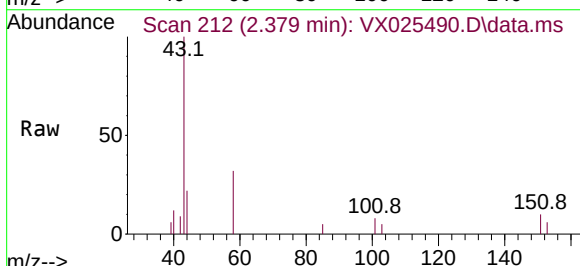
Acq: 03 Dec 2021 18:16

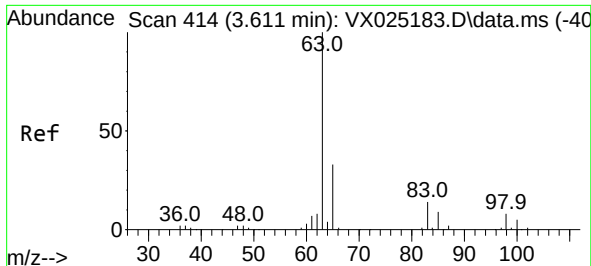
Tgt Ion: 43 Resp: 2097

Ion Ratio Lower Upper

43 100

58 32.4 24.0 36.0

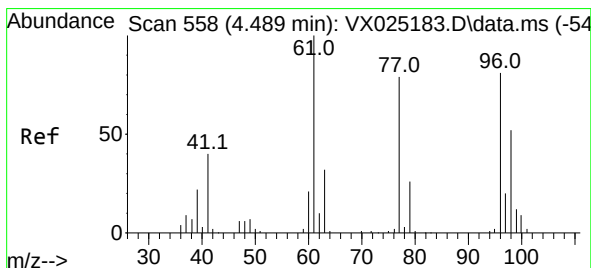
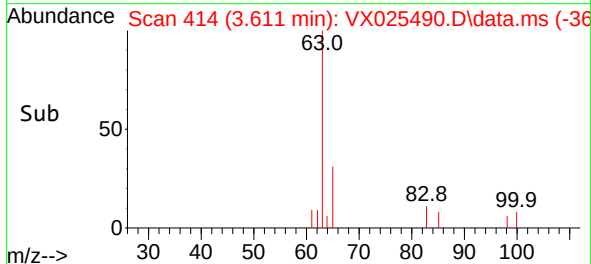
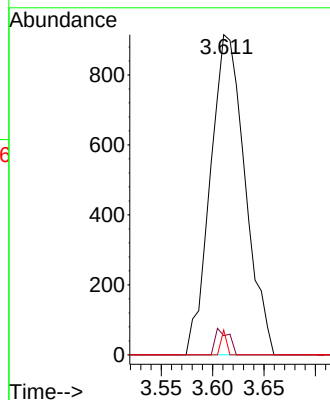
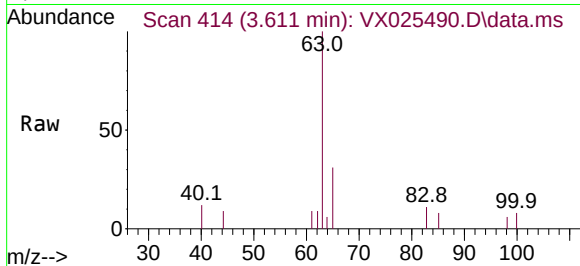




#24
1,1-Dichloroethane
Concen: 1.185 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

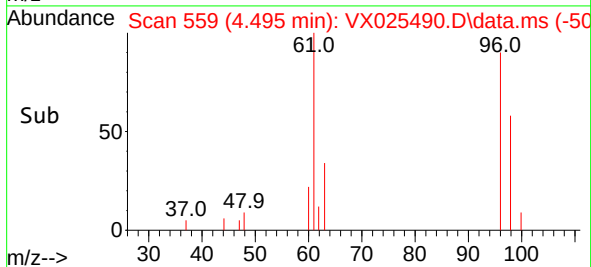
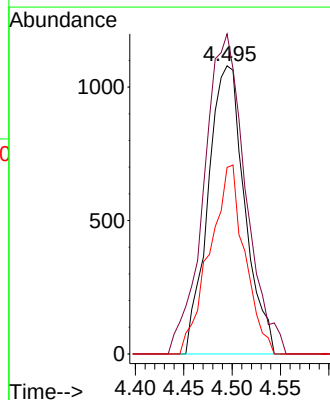
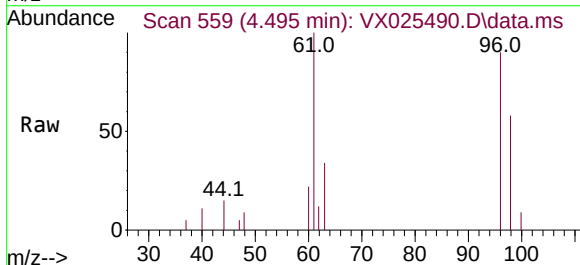
Instrument :
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DUP08-20211202

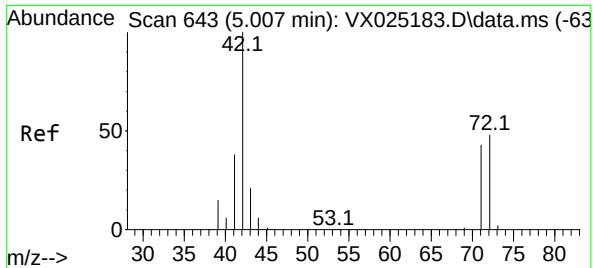
Tgt Ion: 63 Resp: 2148
Ion Ratio Lower Upper
63 100
98 6.0 3.3 9.9
100 7.8 2.1 6.2#



#27
cis-1,2-Dichloroethene
Concen: 2.307 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

Tgt Ion: 96 Resp: 2840
Ion Ratio Lower Upper
96 100
61 126.1 0.0 302.2
98 62.9 0.0 131.4





#29

Tetrahydrofuran

Concen: 0.588 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX025490.D

Acq: 03 Dec 2021 18:16

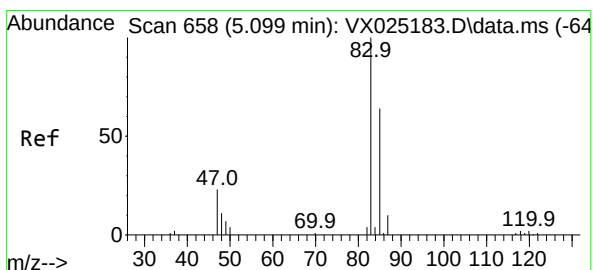
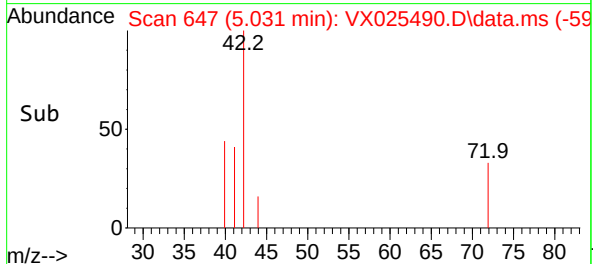
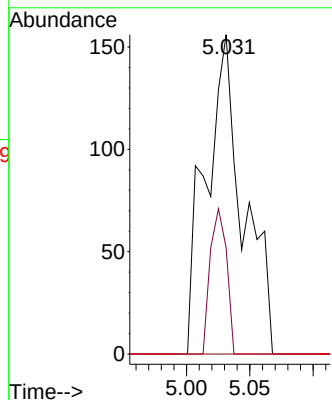
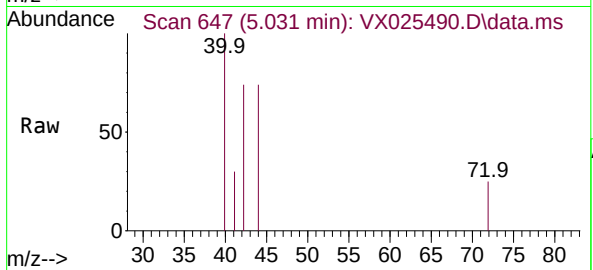
Instrument :

MSVOA_X

ClientSampleId :

DUP08-20211202

Tgt Ion:	42	Resp:	320
Ion	Ratio	Lower	Upper
42	100		
72	20.0	36.1	54.1#
71	0.0	33.7	50.5#



#30

Chloroform

Concen: 0.815 ug/l

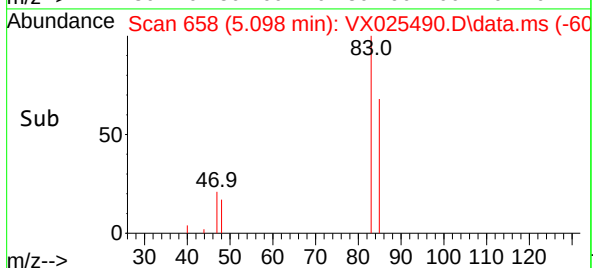
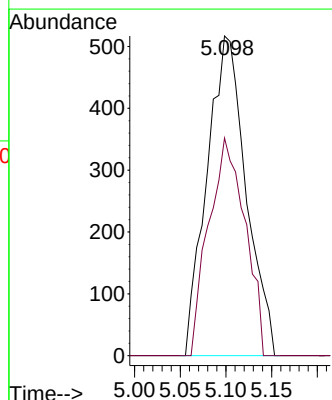
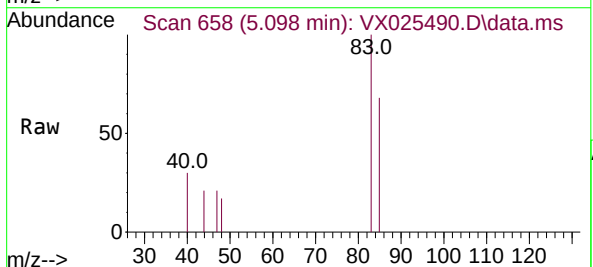
RT: 5.098 min Scan# 658

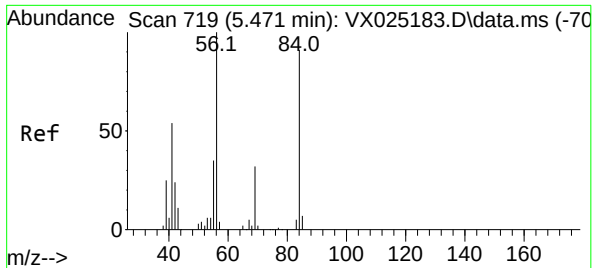
Delta R.T. -0.001 min

Lab File: VX025490.D

Acq: 03 Dec 2021 18:16

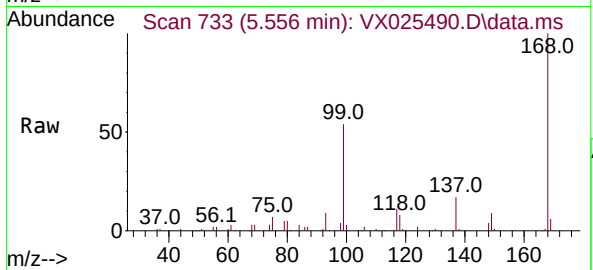
Tgt Ion:	83	Resp:	1536
Ion	Ratio	Lower	Upper
83	100		
85	68.1	50.2	75.2





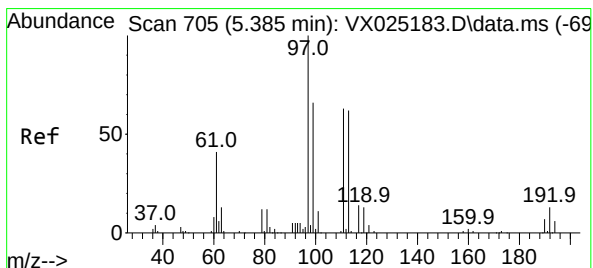
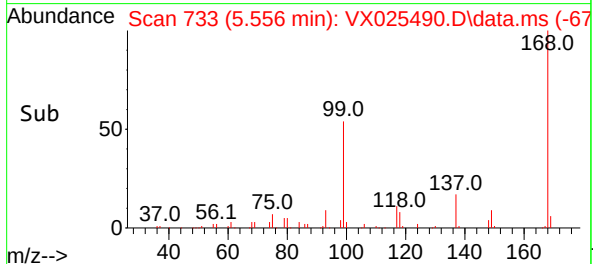
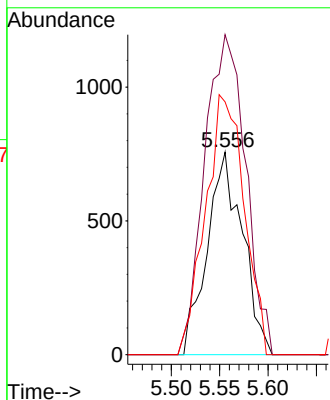
#31
Cyclohexane
Concen: 1.140 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025490.D
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Tgt Ion: 56 Resp: 1927

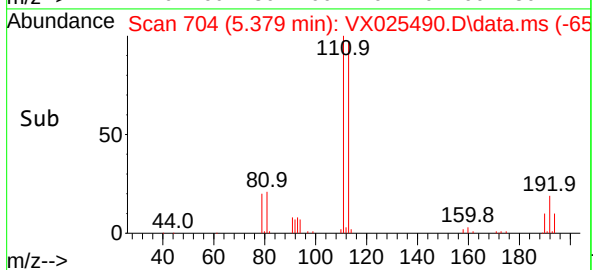
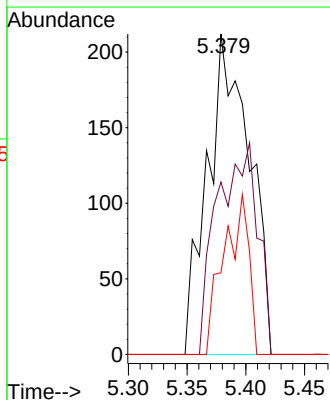
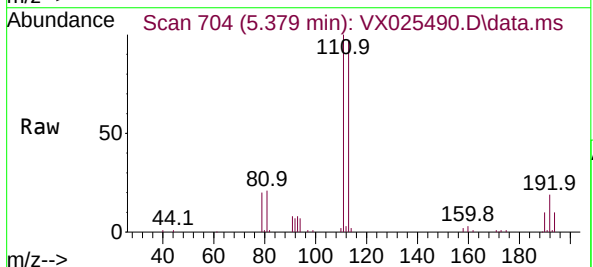
Ion	Ratio	Lower	Upper
56	100		
69	158.0	24.2	36.2#
84	124.8	71.5	107.3#

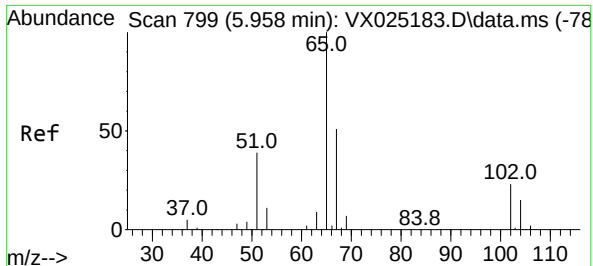


#32
1,1,1-Trichloroethane
Concen: 0.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

Tgt Ion: 97 Resp: 529

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.9	76.3#
61	29.7	35.0	52.4#





#33

1,2-Dichloroethane-d4

Concen: 56.803 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025490.D

Acq: 03 Dec 2021 18:16

Instrument :

MSVOA_X

ClientSampleId :

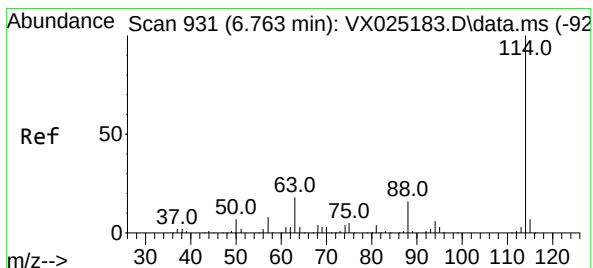
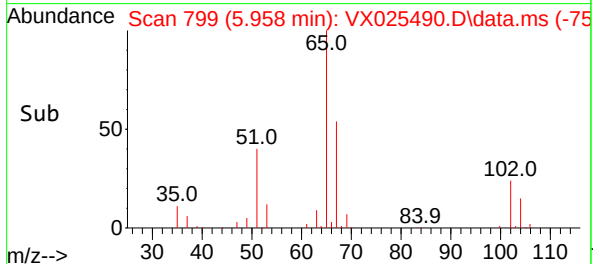
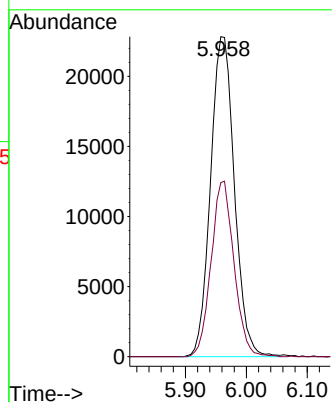
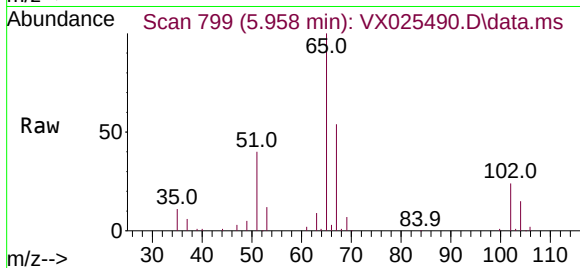
DUP08-20211202

Tgt Ion: 65 Resp: 62155

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025490.D

Acq: 03 Dec 2021 18:16

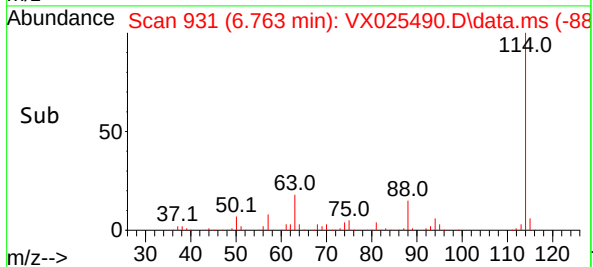
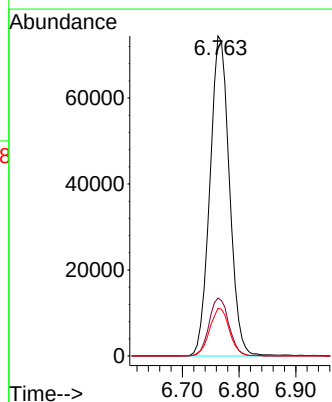
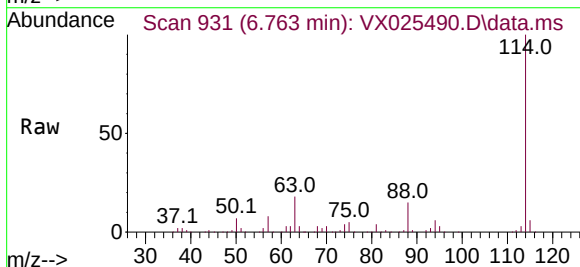
Tgt Ion: 114 Resp: 177708

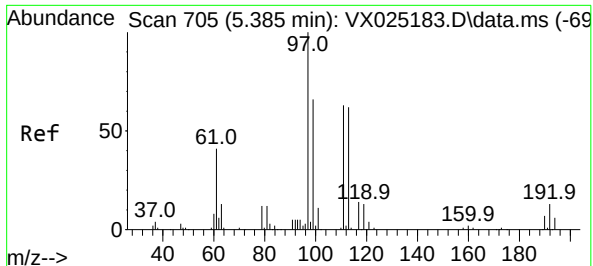
Ion Ratio Lower Upper

114 100

63 18.1 0.0 41.0

88 14.9 0.0 34.8

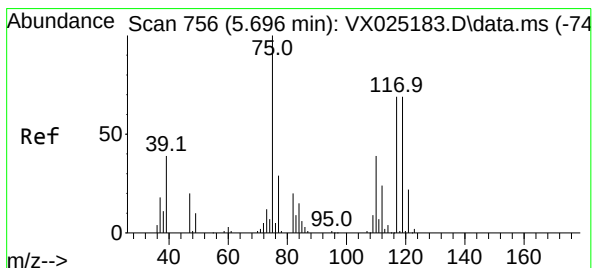
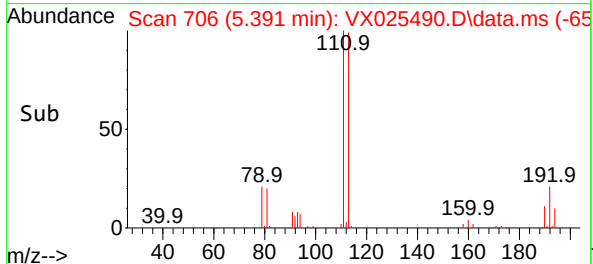
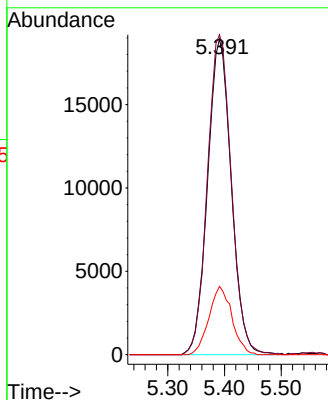
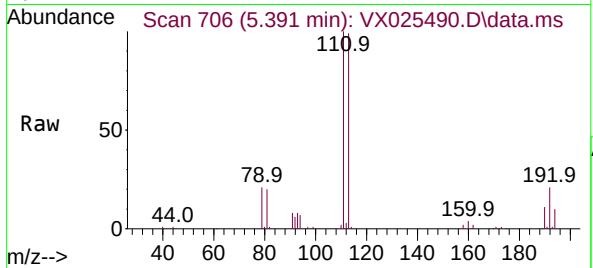




#35
Dibromofluoromethane
Concen: 50.398 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

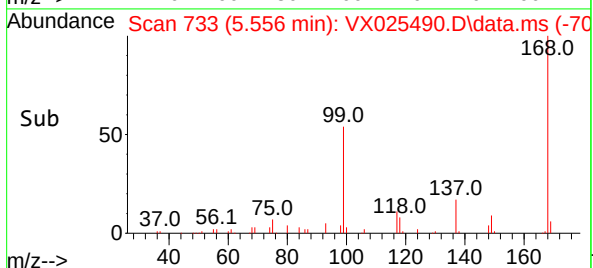
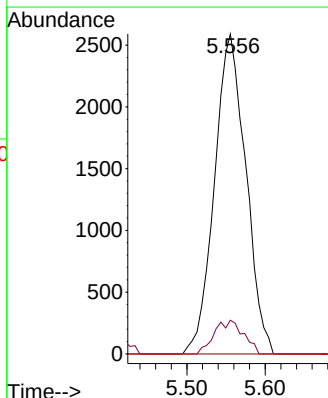
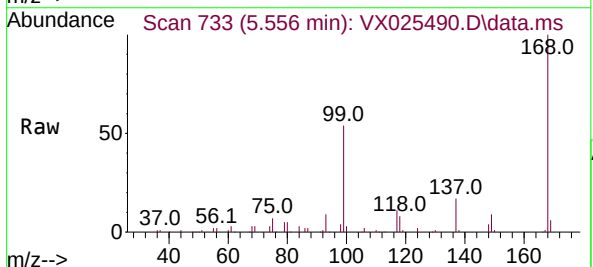
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20211202

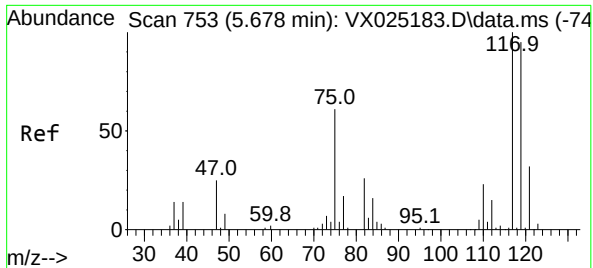
Tgt Ion:113 Resp: 54952
Ion Ratio Lower Upper
113 100
111 102.2 82.1 123.1
192 20.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

Tgt Ion: 75 Resp: 7203
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.3#
77 0.0 24.4 36.6#

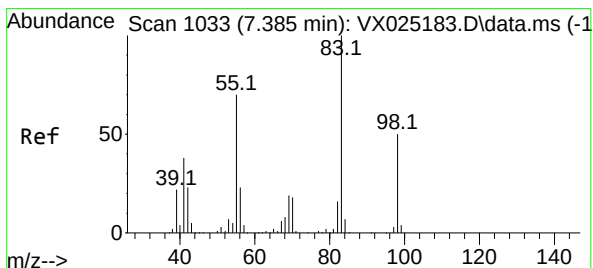
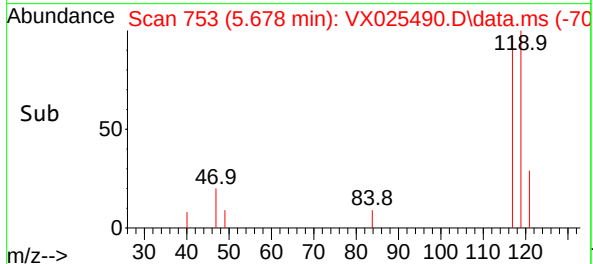
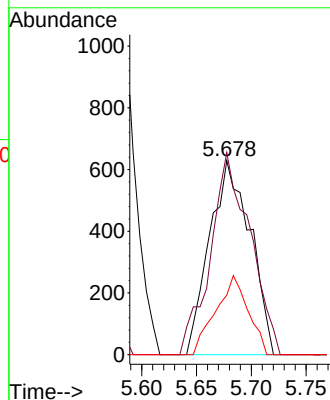
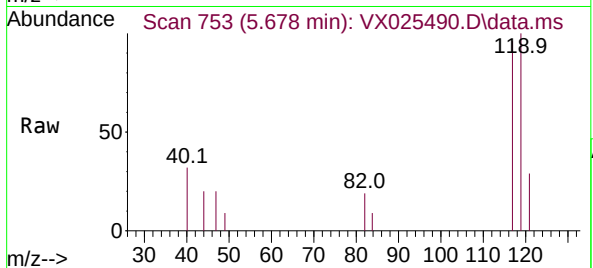




#38
Carbon Tetrachloride
Concen: 0.951 ug/l
RT: 5.678 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

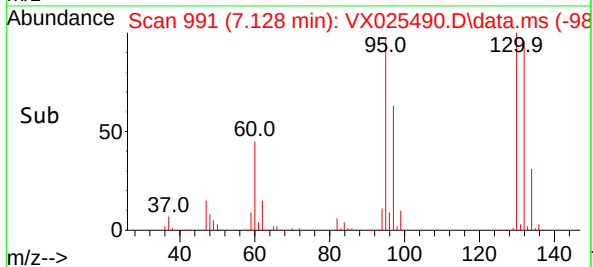
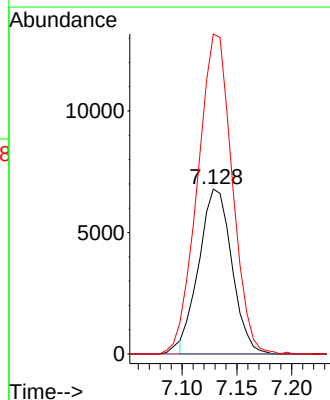
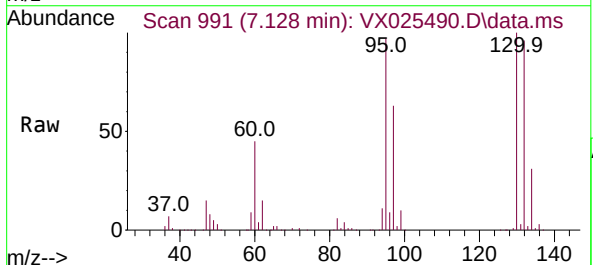
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20211202

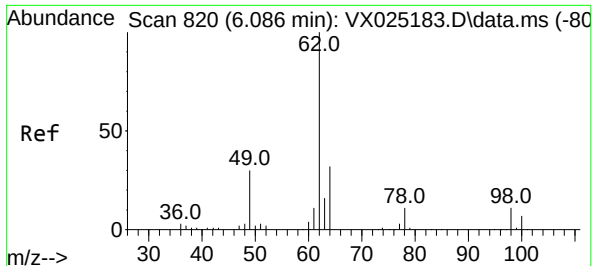
Tgt Ion:	117	Resp:	1624
Ion	Ratio	Lower	Upper
117	100		
119	104.1	75.6	113.4
121	30.7	23.7	35.5



#39
Methylcyclohexane
Concen: 7.100 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.257 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

Tgt Ion:	83	Resp:	14121
Ion	Ratio	Lower	Upper
83	100		
55	0.0	60.8	91.2#
98	193.9	37.0	55.4#





#42

1,2-Dichloroethane

Concen: 0.221 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX025490.D

Acq: 03 Dec 2021 18:16

Instrument :

MSVOA_X

ClientSampleId :

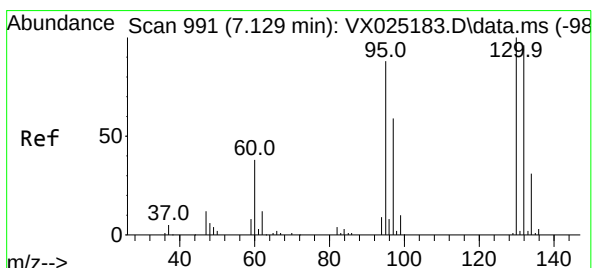
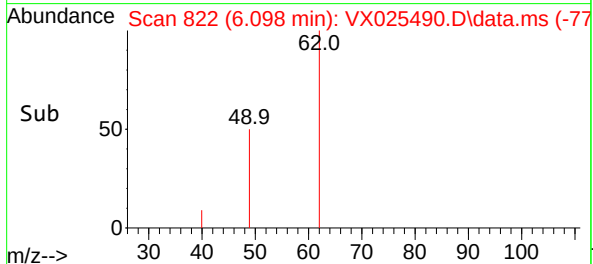
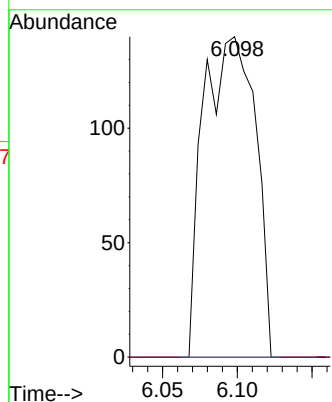
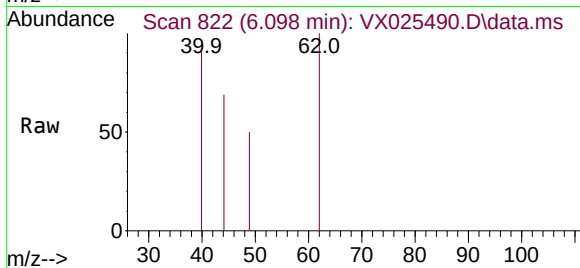
DUP08-20211202

Tgt Ion: 62 Resp: 338

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 865.260 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX025490.D

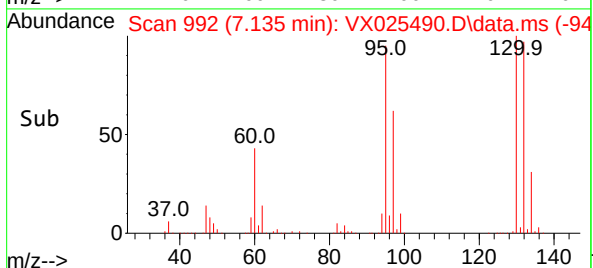
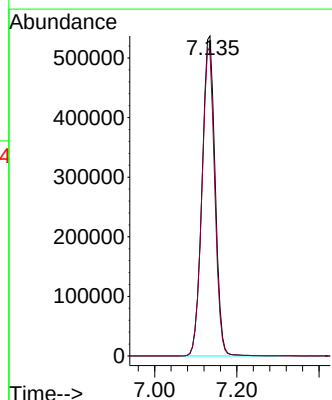
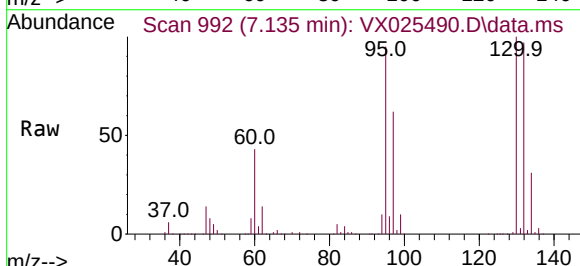
Acq: 03 Dec 2021 18:16

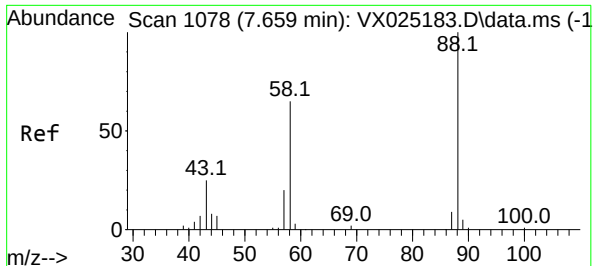
Tgt Ion:130 Resp: 1180555

Ion Ratio Lower Upper

130 100

95 95.1 0.0 196.8





#49

1,4-Dioxane

Concen: 5.808 ug/l

RT: 7.677 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX025490.D

Acq: 03 Dec 2021 18:16

Instrument :

MSVOA_X

ClientSampleId :

DUP08-20211202

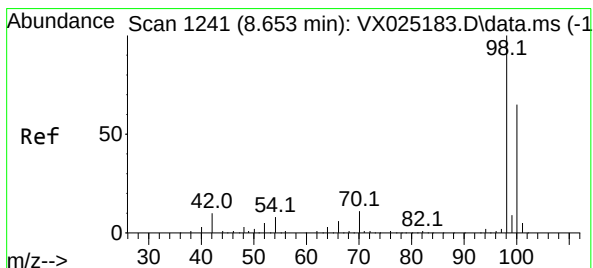
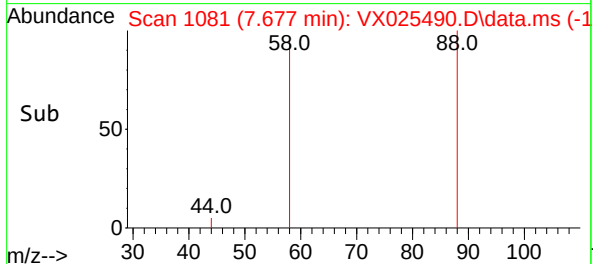
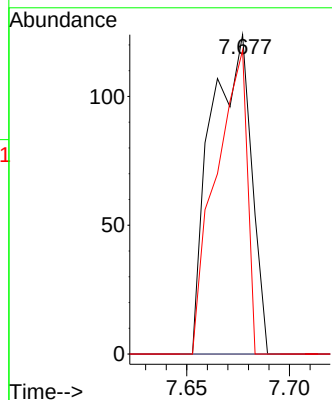
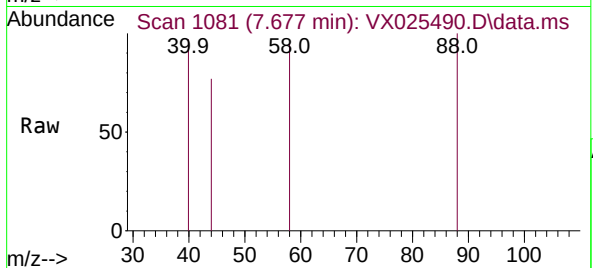
Tgt Ion: 88 Resp: 169

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.6#

58 74.0 55.2 82.8



#50

Toluene-d8

Concen: 50.305 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025490.D

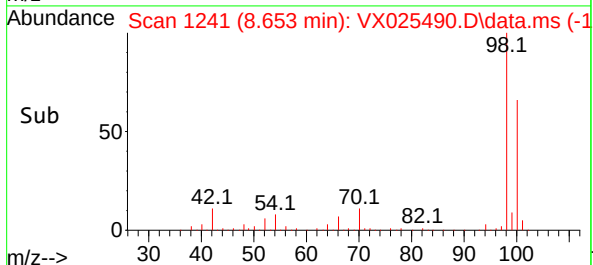
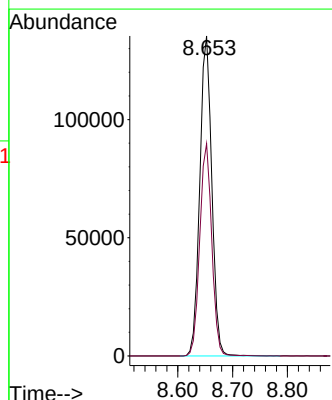
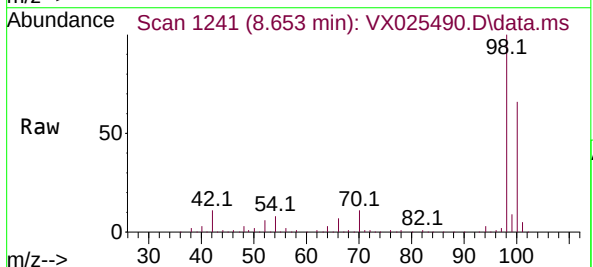
Acq: 03 Dec 2021 18:16

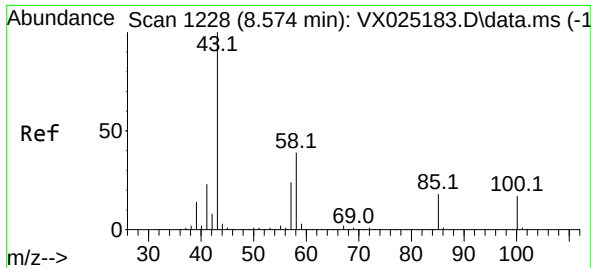
Tgt Ion: 98 Resp: 206231

Ion Ratio Lower Upper

98 100

100 66.4 51.4 77.0

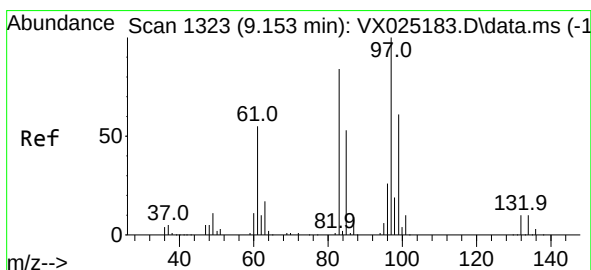
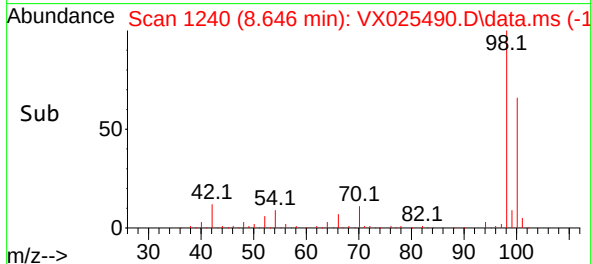
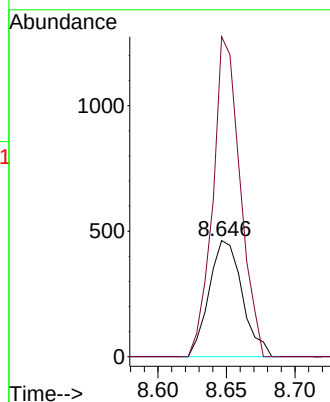
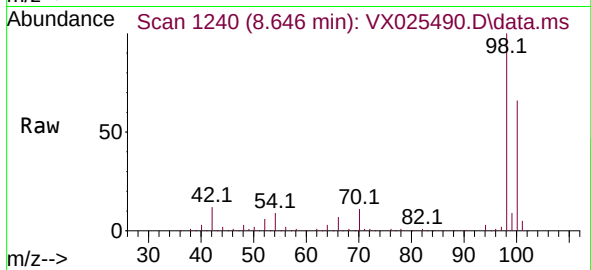




#51
4-Methyl-2-Pentanone
Concen: 0.423 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.072 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

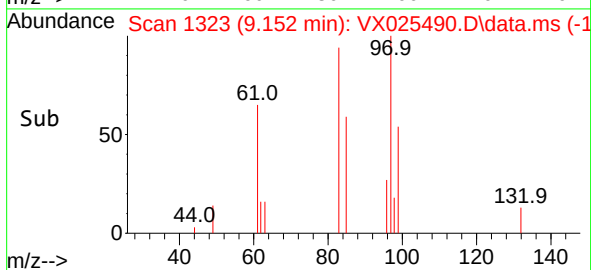
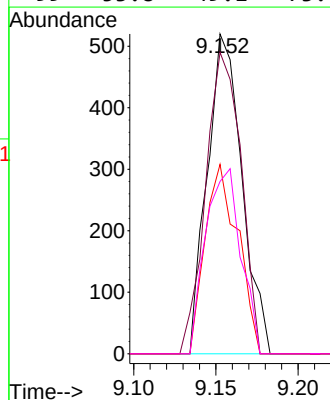
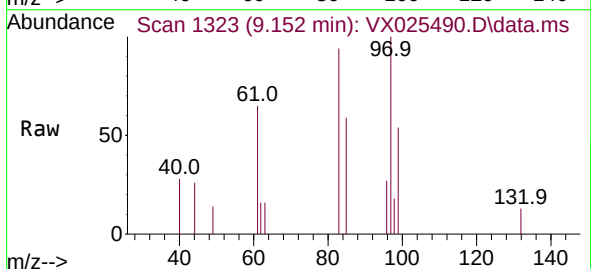
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20211202

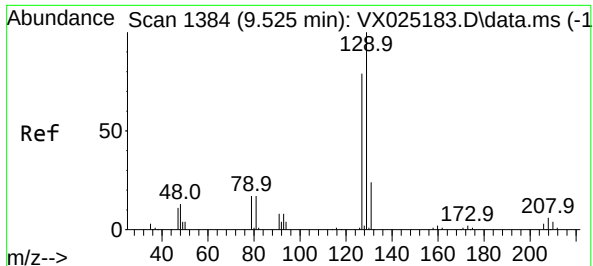
Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 227.1 30.9 46.3#



#55
1,1,2-Trichloroethane
Concen: 0.624 ug/l
RT: 9.152 min Scan# 1323
Delta R.T. -0.001 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

Tgt Ion: 97 Resp: 761
Ion Ratio Lower Upper
97 100
83 94.2 69.2 103.8
85 59.2 43.3 64.9
99 53.8 49.1 73.7

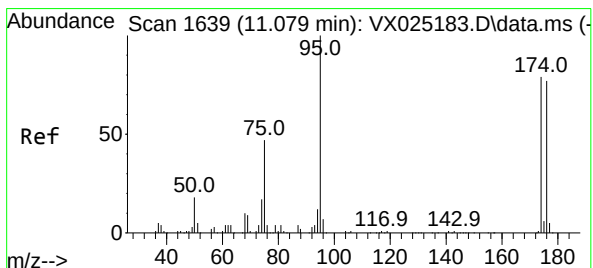
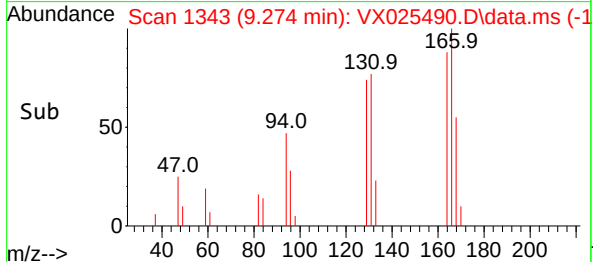
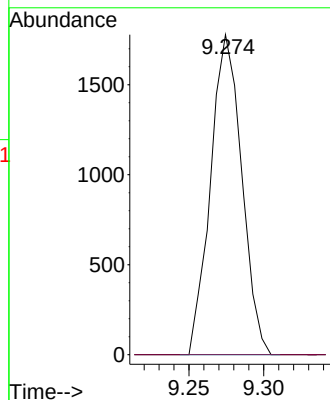
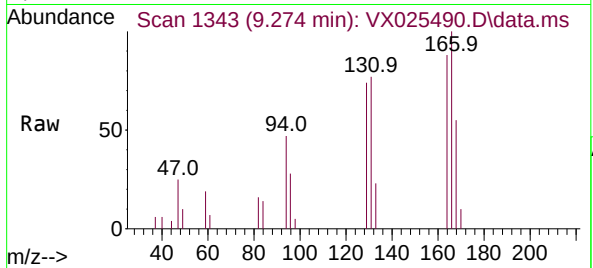




#60
Dibromochloromethane
Concen: 1.839 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.251 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

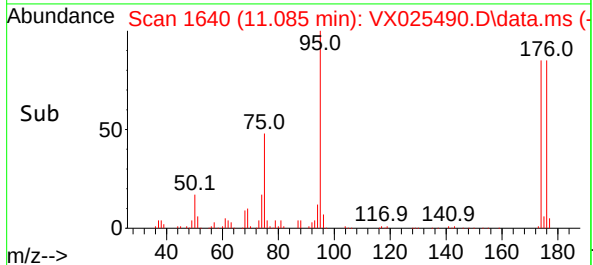
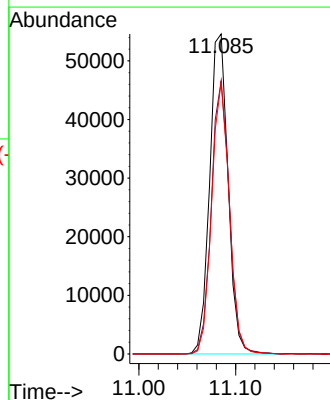
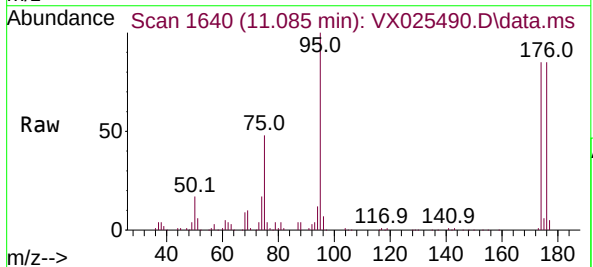
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20211202

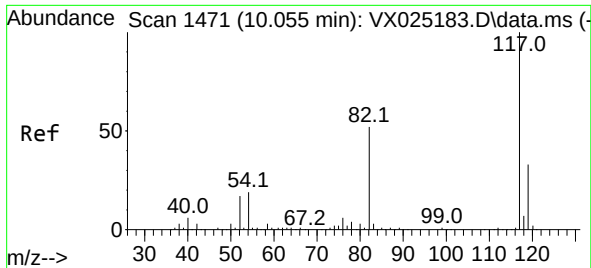
Tgt Ion:129 Resp: 2579
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.690 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

Tgt Ion: 95 Resp: 72413
Ion Ratio Lower Upper
95 100
174 83.3 0.0 158.0
176 81.5 0.0 153.6

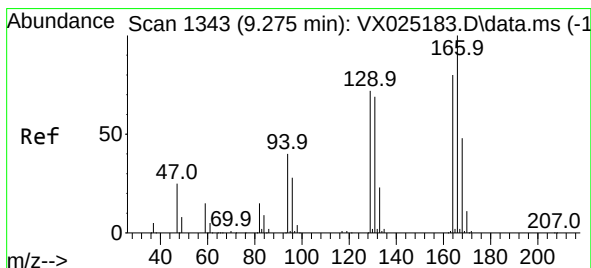
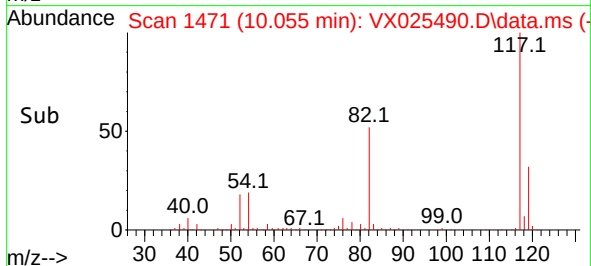
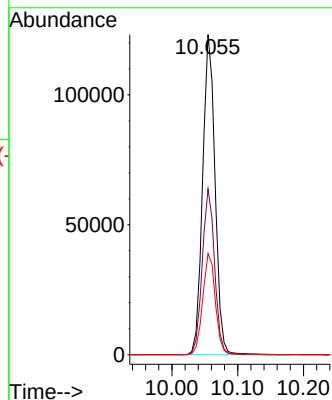
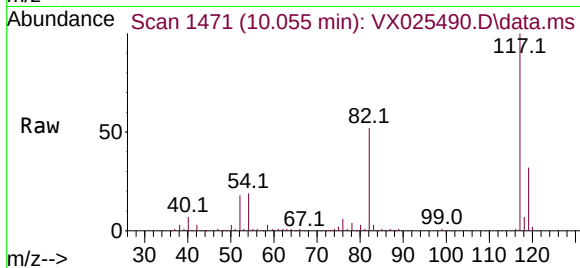




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

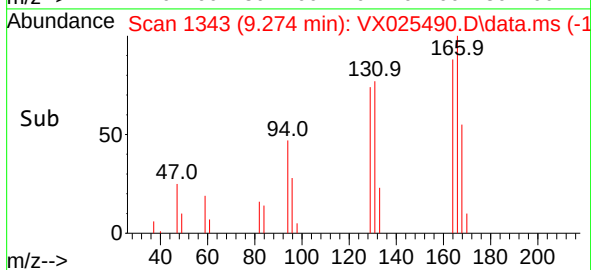
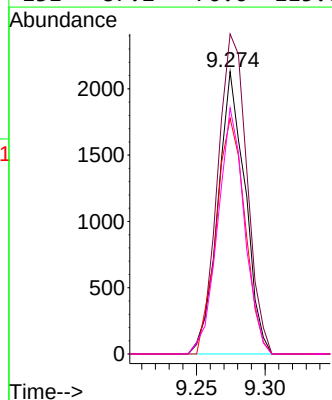
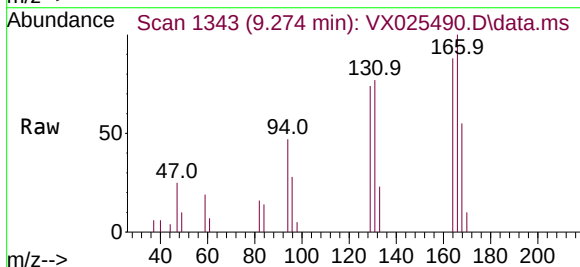
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20211202

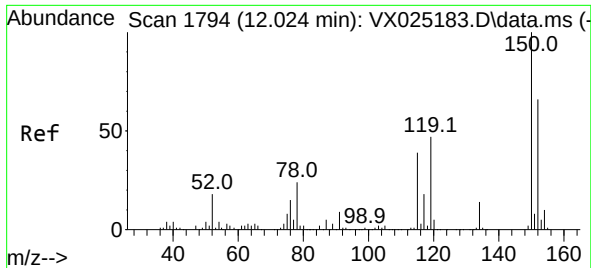
Tgt Ion:117 Resp: 161842
Ion Ratio Lower Upper
117 100
82 51.8 44.6 67.0
119 31.6 24.8 37.2



#64
Tetrachloroethene
Concen: 2.201 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX025490.D
Acq: 03 Dec 2021 18:16

Tgt Ion:164 Resp: 2938
Ion Ratio Lower Upper
164 100
166 113.3 103.2 154.8
129 83.5 81.0 121.4
131 87.2 76.6 115.0

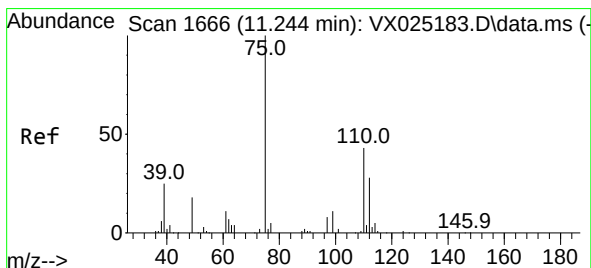
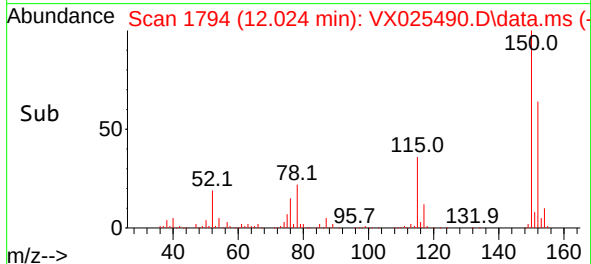
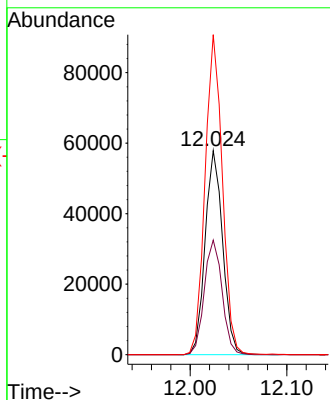
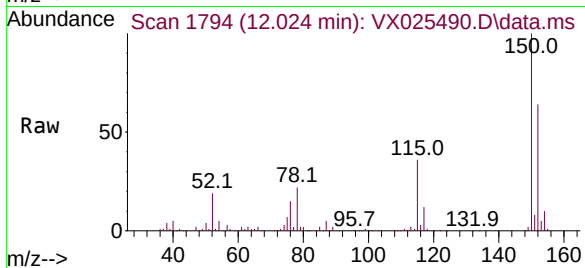




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX025490.D
 Acq: 03 Dec 2021 18:16

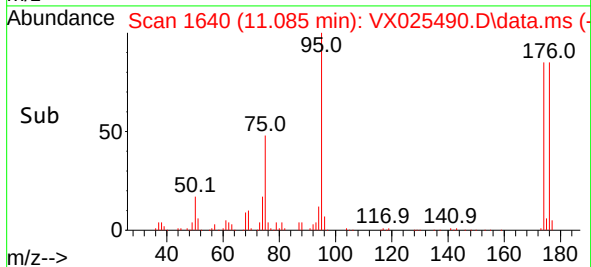
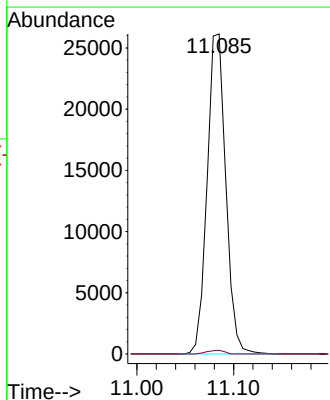
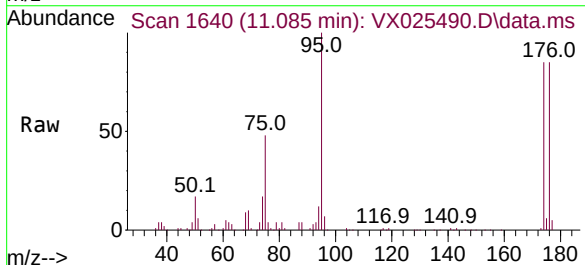
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP08-20211202

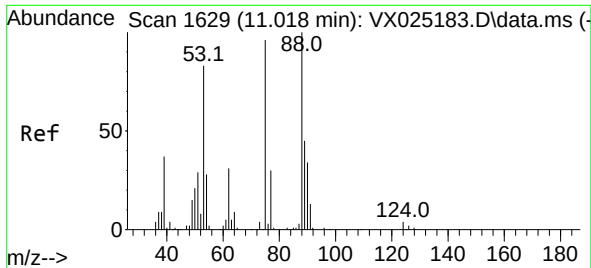
Tgt Ion:152 Resp: 72755
 Ion Ratio Lower Upper
 152 100
 115 57.1 43.3 129.8
 150 154.7 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 23.566 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX025490.D
 Acq: 03 Dec 2021 18:16

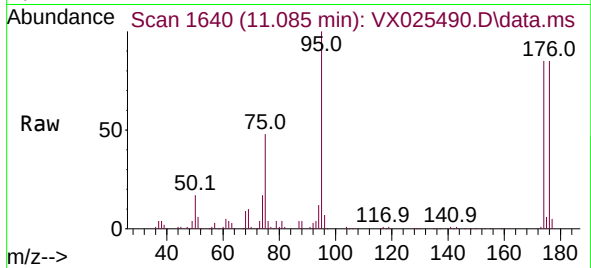
Tgt Ion: 75 Resp: 35111
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.368 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX025490.D
 Acq: 03 Dec 2021 18:16

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP08-20211202



Tgt Ion: 75 Resp: 35111
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.9 122.9#
 89 0.0 38.2 57.2#

