

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062422\
 Data File : VX029805.D
 Acq On : 25 Jun 2022 07:23
 Operator : JC/MD
 Sample : N3386-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20220616

Quant Time: Jun 25 09:06:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

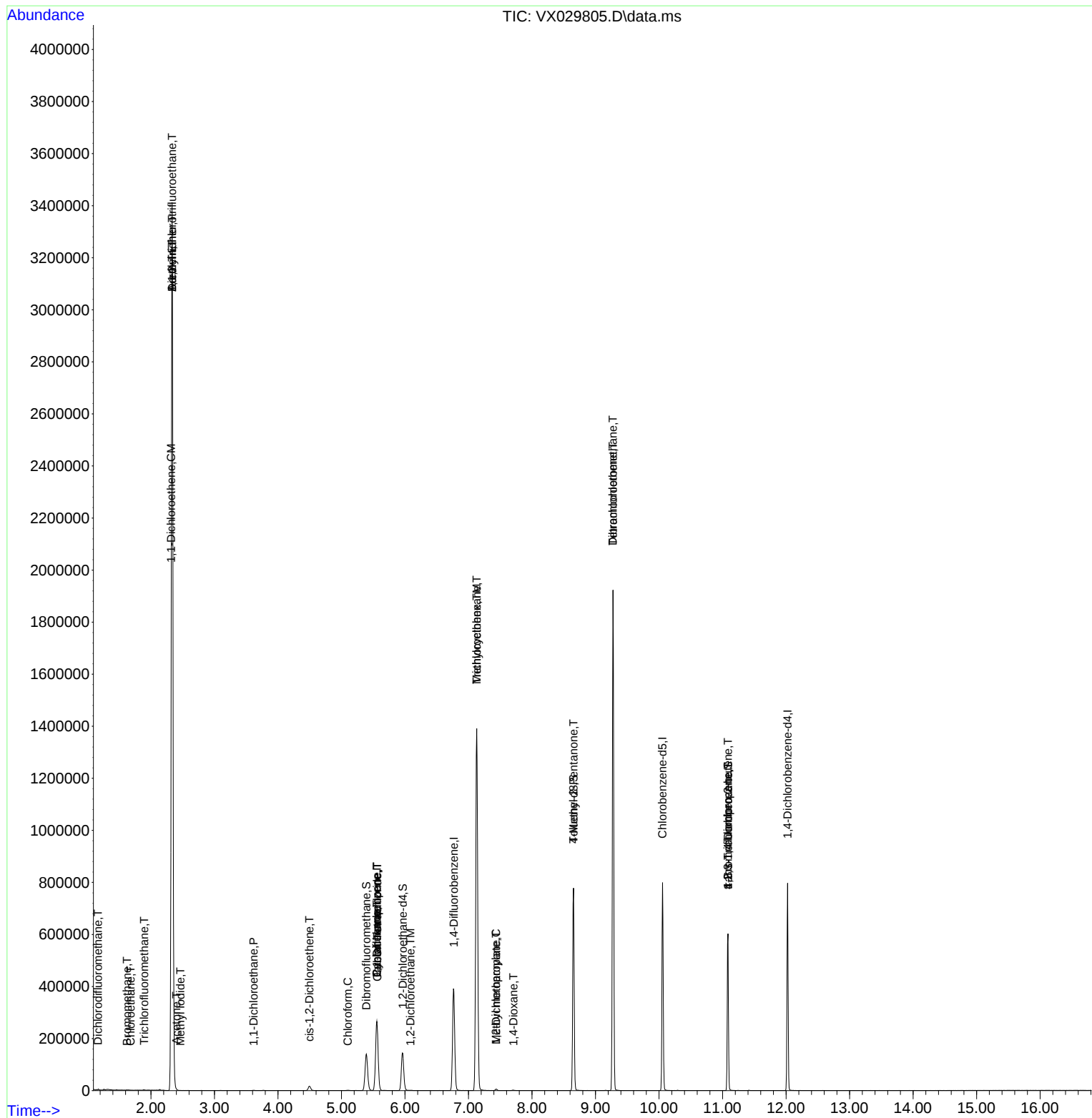
Internal Standards						
1) Pentafluorobenzene	5.556	168	258160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	429825	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	376582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	168407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	138430	40.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	81.020%		
35) Dibromofluoromethane	5.391	113	124841	44.568	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.140%		
50) Toluene-d8	8.653	98	480256	46.932	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.860%		
62) 4-Bromofluorobenzene	11.085	95	174156	45.130	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	757	0.242	ug/l	92
5) Bromomethane	1.623	94	494	0.312	ug/l	86
6) Chloroethane	1.678	64	214	1.379	ug/l #	43
7) Trichlorofluoromethane	1.892	101	979	0.227	ug/l #	80
8) Diethyl Ether	2.331	74	1061	0.623	ug/l #	12
9) 1,1,2-Trichlorotrifluo...	2.331	101	1392384	513.997	ug/l	100
10) Methyl Iodide	2.465	142	259	3.096	ug/l #	54
12) 1,1-Dichloroethene	2.318	96	9951	3.805	ug/l	81
13) Acrolein	2.331	56	106	0.563	ug/l #	15
16) Acetone	2.398	43	733	0.538	ug/l	88
24) 1,1-Dichloroethane	3.617	63	1506	0.300	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	11948	3.578	ug/l	84
30) Chloroform	5.098	83	1530	0.288	ug/l	95
31) Cyclohexane	5.556	56	4467	0.974	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	18714	4.936	ug/l #	51
38) Carbon Tetrachloride	5.562	117	26004	6.975	ug/l #	14
39) Methylcyclohexane	7.128	83	5996	1.269	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	1026	0.266	ug/l #	73
44) Trichloroethene	7.128	130	568237	181.410	ug/l	97
45) 1,2-Dichloropropane	7.433	63	2476	0.898	ug/l	98
48) Methyl methacrylate	7.433	41	1101	0.372	ug/l #	32
49) 1,4-Dioxane	7.708	88	1902	24.899	ug/l #	91
51) 4-Methyl-2-Pentanone	8.653	43	1656	0.425	ug/l #	1
60) Dibromochloromethane	9.274	129	365787	129.489	ug/l #	9
64) Tetrachloroethene	9.274	164	374068	137.354	ug/l	96
76) 1,2,3-Trichloropropane	11.085	75	81872	22.316	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	81872	74.240	ug/l #	15

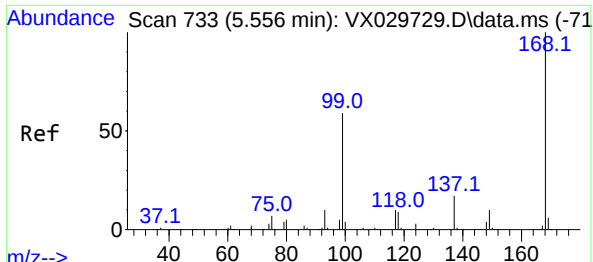
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062422\
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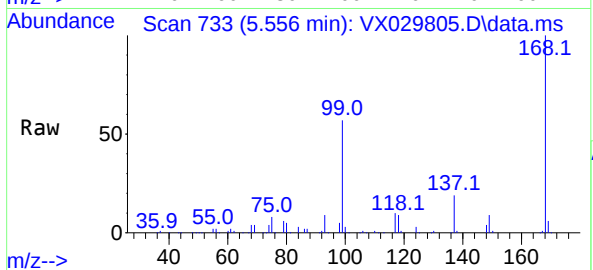
Quant Time: Jun 25 09:06:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
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QLast Update : Mon Jun 20 01:31:01 2022
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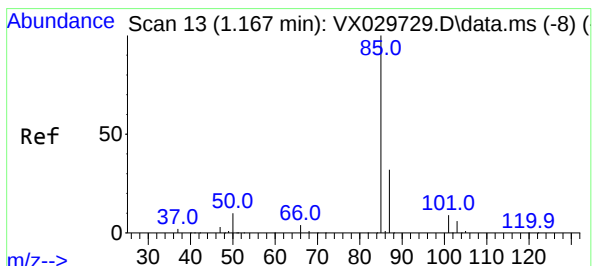
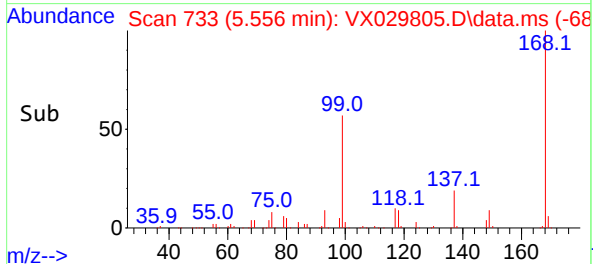
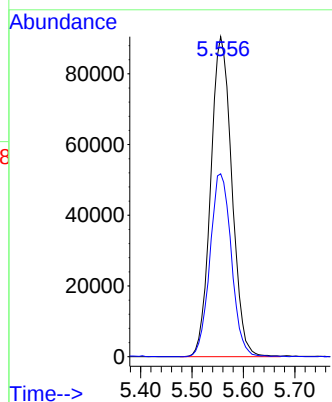


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220616

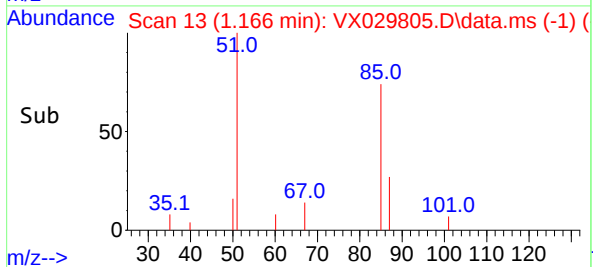
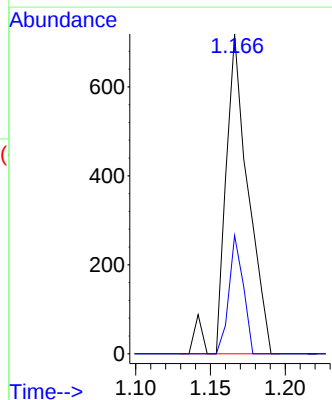
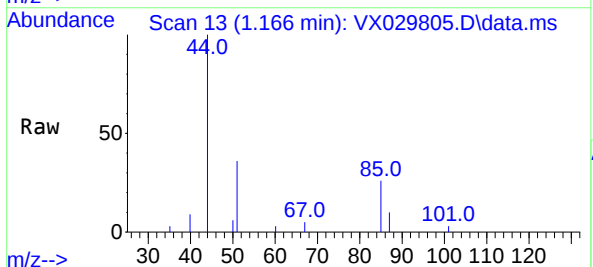


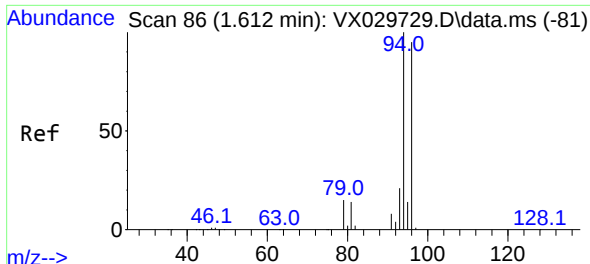
Tgt Ion:168 Resp: 258160
Ion Ratio Lower Upper
168 100
99 57.1 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.242 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion: 85 Resp: 757
Ion Ratio Lower Upper
85 100
87 37.0 16.2 48.6

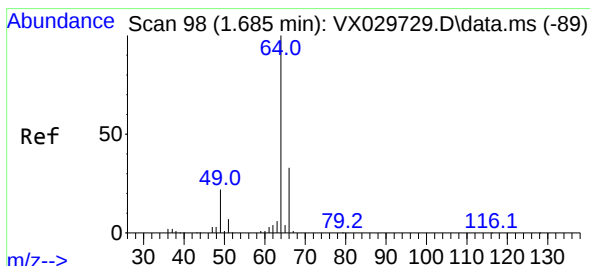
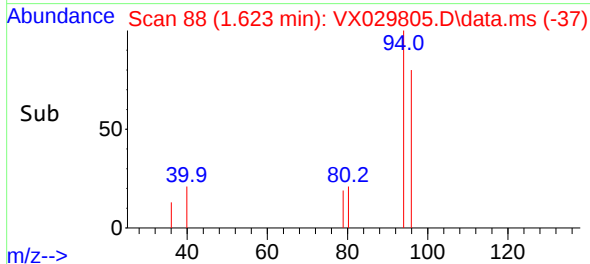
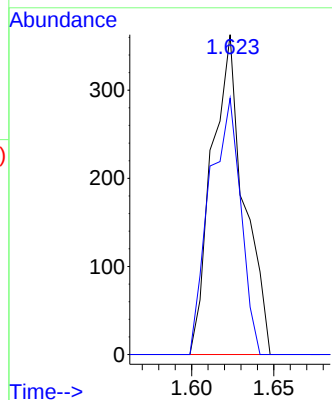
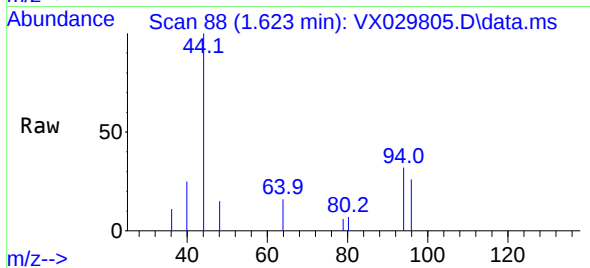




#5
Bromomethane
Concen: 0.312 ug/l
RT: 1.623 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

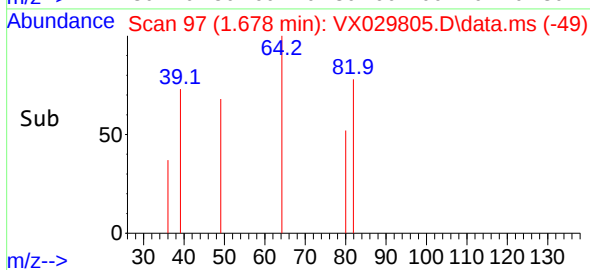
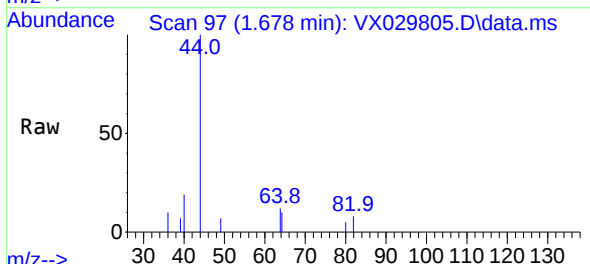
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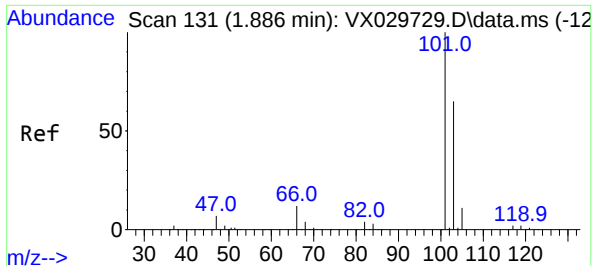
Tgt Ion: 94 Resp: 494
Ion Ratio Lower Upper
94 100
96 80.2 75.3 112.9



#6
Chloroethane
Concen: 1.379 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.007 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion: 64 Resp: 214
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

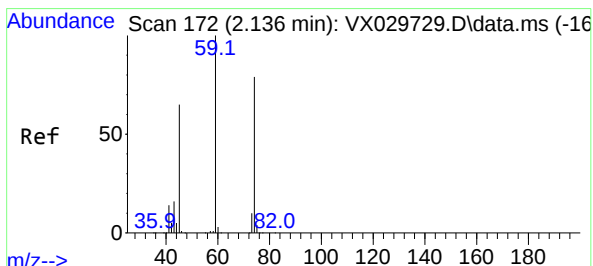
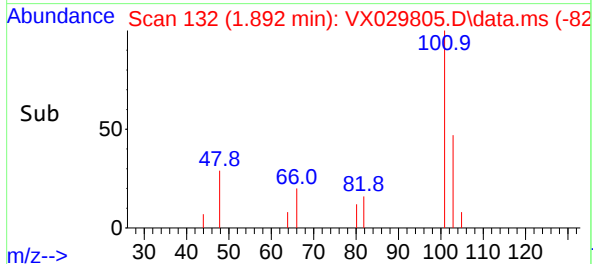
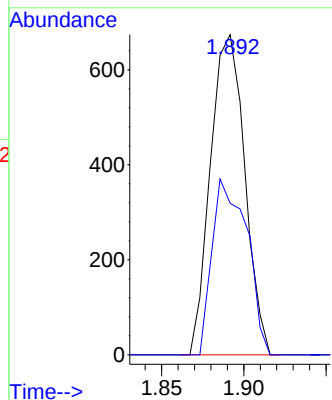
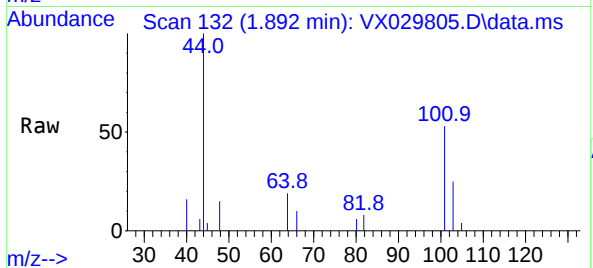




#7
Trichlorofluoromethane
Concen: 0.227 ug/l
RT: 1.892 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

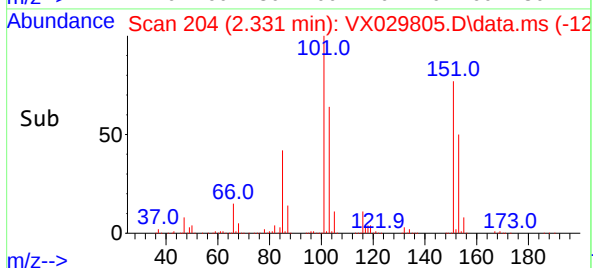
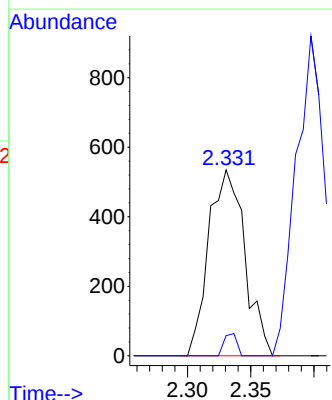
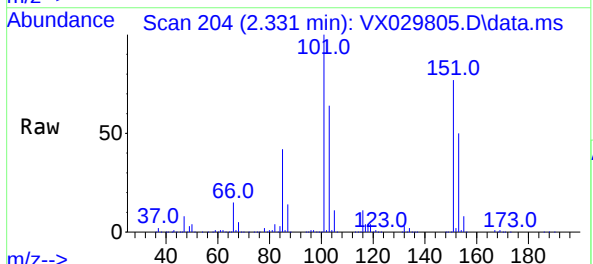
Instrument :
MSVOA_X
ClientSampleId :
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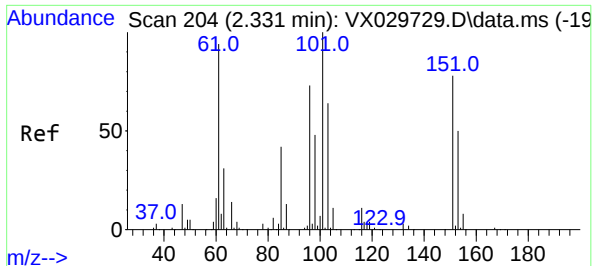
Tgt Ion:101 Resp: 979
Ion Ratio Lower Upper
101 100
103 47.3 50.5 75.7#



#8
Diethyl Ether
Concen: 0.623 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.195 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion: 74 Resp: 1061
Ion Ratio Lower Upper
74 100
45 4.2 42.0 126.0#

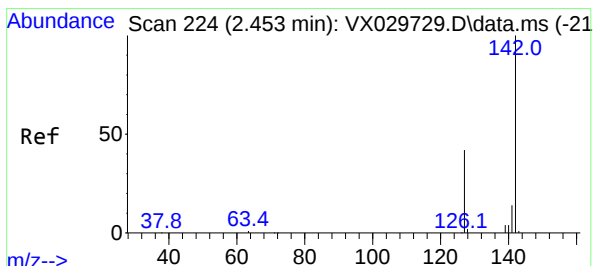
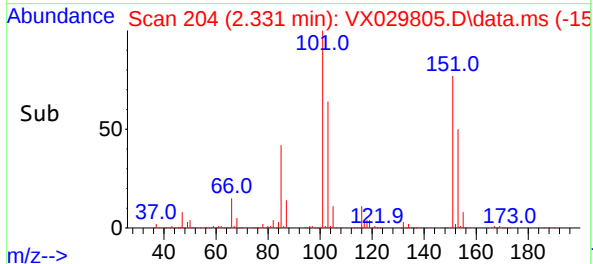
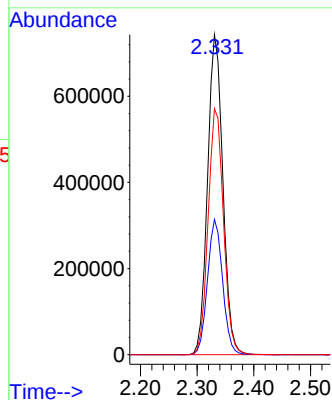
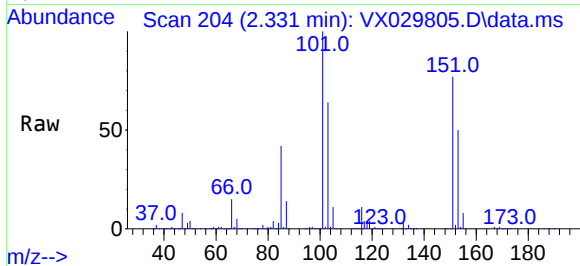




#9
1,1,2-Trichlorotrifluoroethane
Concen: 513.997 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

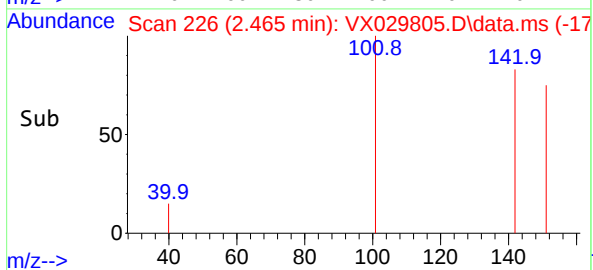
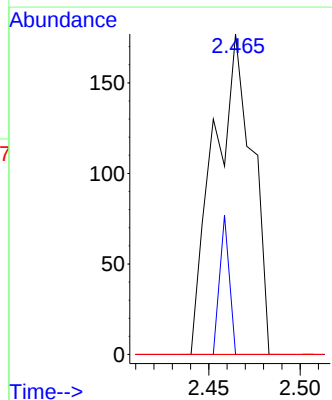
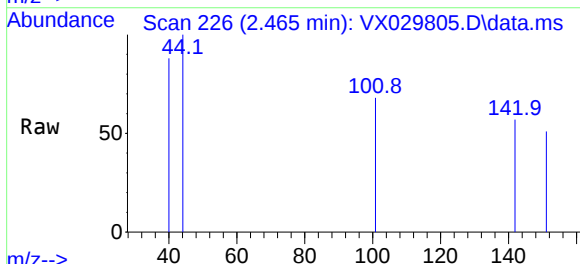
Instrument :
MSVOA_X
ClientSampleId :
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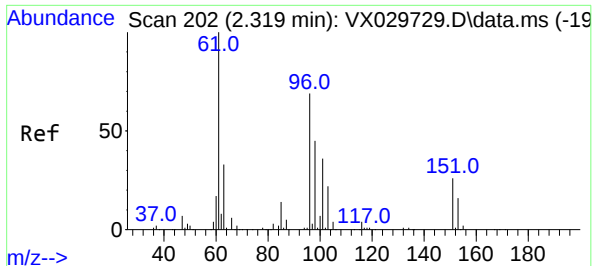
Tgt Ion:101 Resp: 1392384
Ion Ratio Lower Upper
101 100
85 41.8 33.5 50.3
151 77.4 61.8 92.6



#10
Methyl Iodide
Concen: 3.096 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion:142 Resp: 259
Ion Ratio Lower Upper
142 100
127 10.8 33.9 50.9#
141 0.0 11.4 17.2#

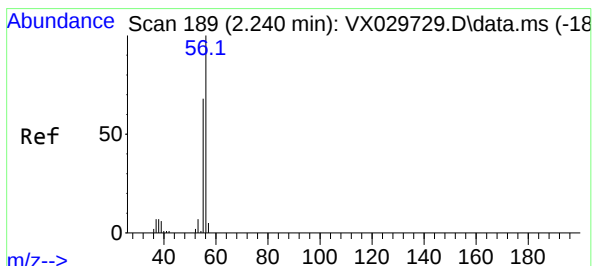
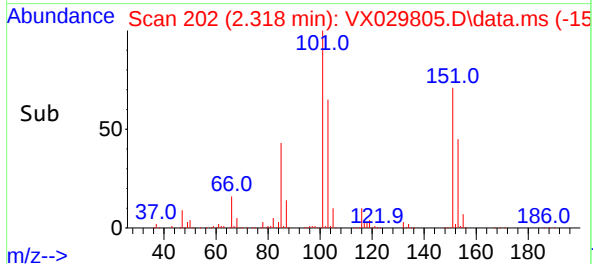
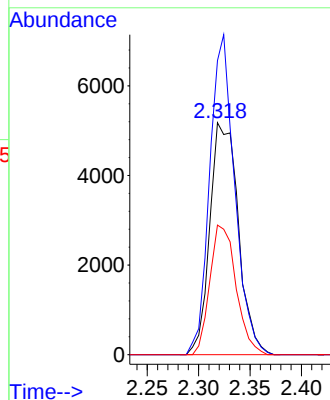
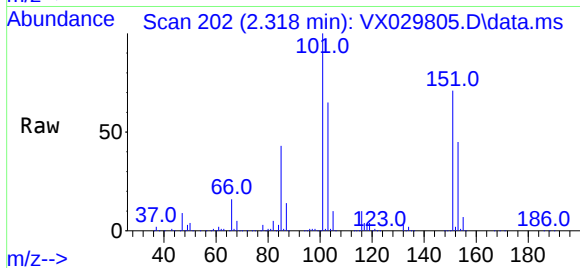




#12
1,1-Dichloroethene
Concen: 3.805 ug/l
RT: 2.318 min Scan# 204
Delta R.T. -0.001 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

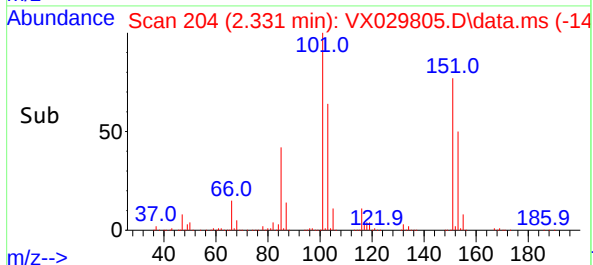
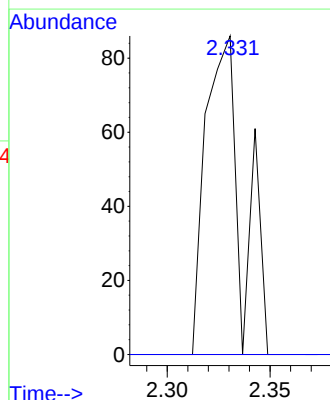
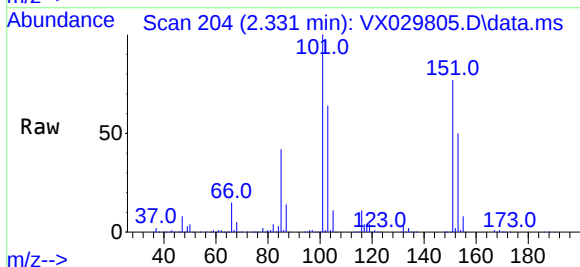
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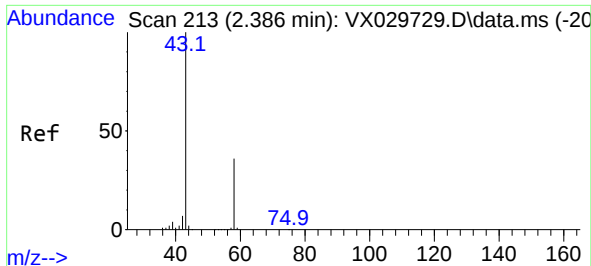
Tgt Ion: 96 Resp: 9951
Ion Ratio Lower Upper
96 100
61 126.8 124.6 187.0
98 55.9 51.0 76.4



#13
Acrolein
Concen: 0.563 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.092 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#

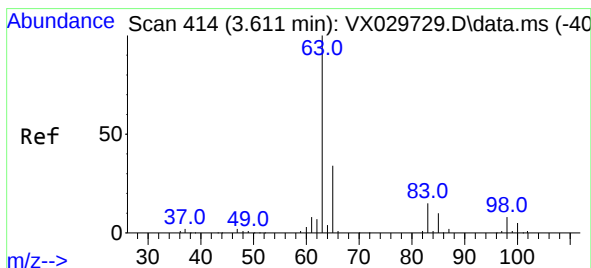
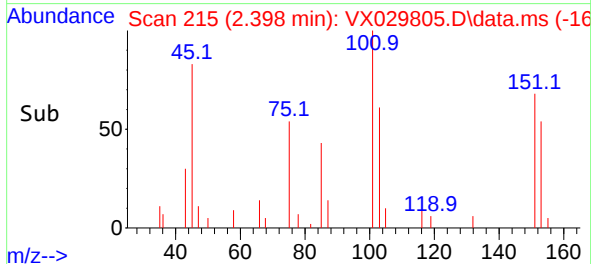
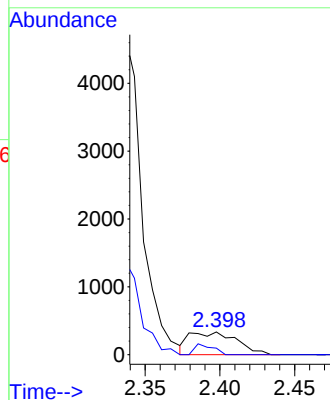
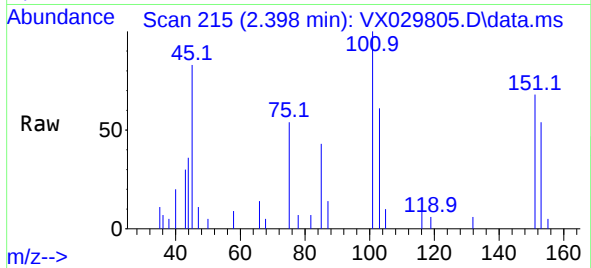




#16
Acetone
Concen: 0.538 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

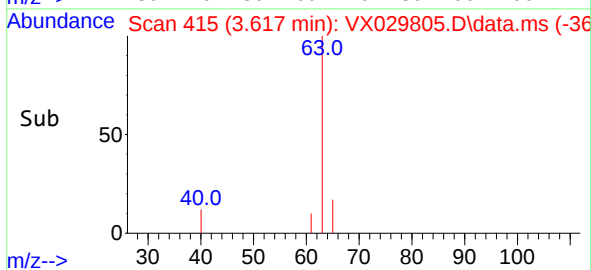
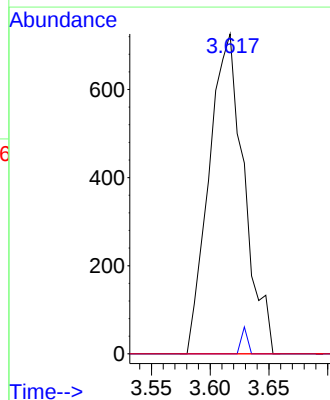
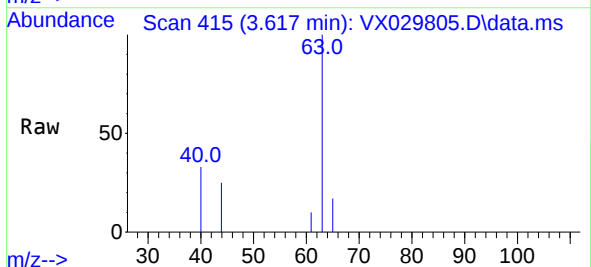
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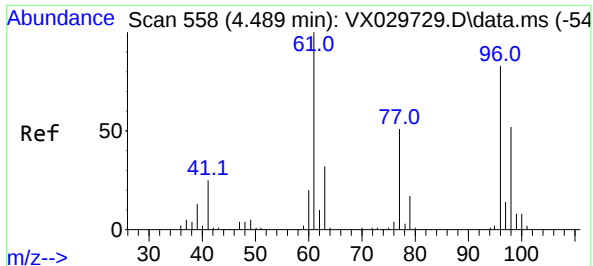
Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
58 29.0 28.8 43.2



#24
1,1-Dichloroethane
Concen: 0.300 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion: 63 Resp: 1506
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#

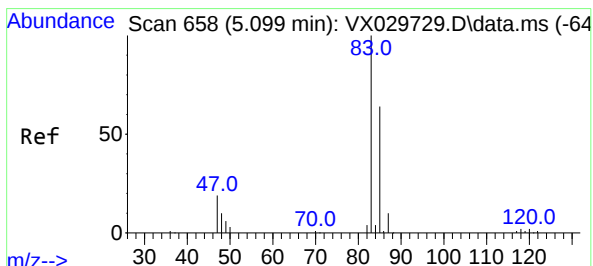
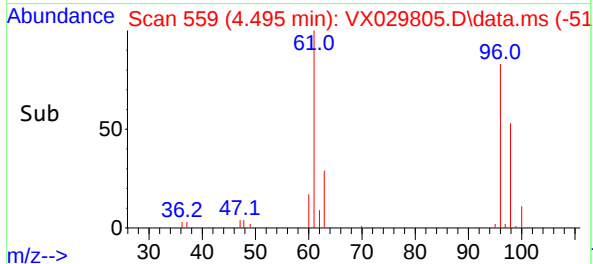
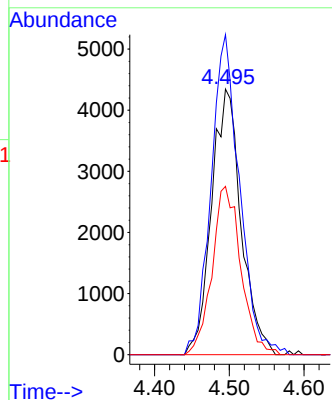
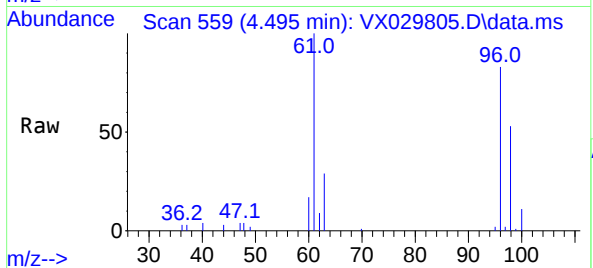




#27
cis-1,2-Dichloroethene
Concen: 3.578 ug/l
RT: 4.495 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

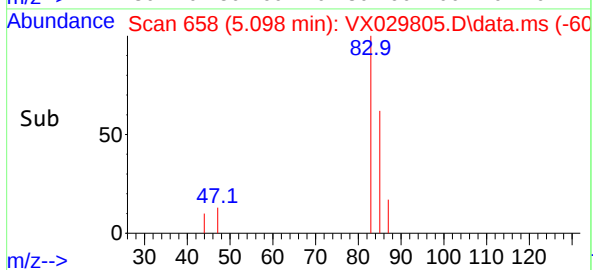
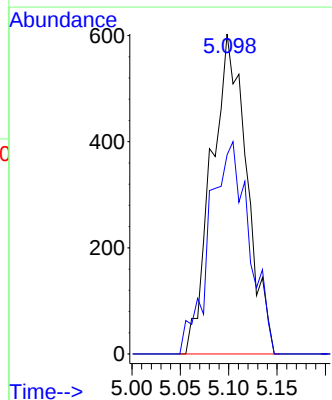
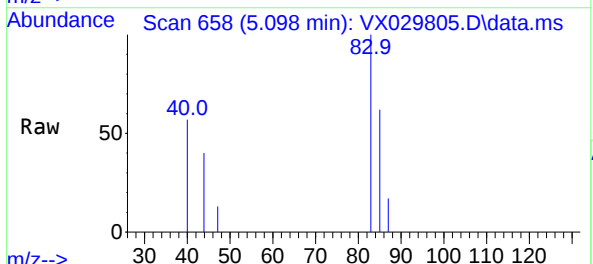
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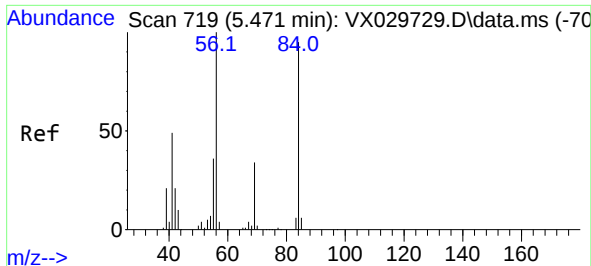
Tgt Ion: 96 Resp: 11948
Ion Ratio Lower Upper
96 100
61 116.0 0.0 283.8
98 61.7 0.0 129.8



#30
Chloroform
Concen: 0.288 ug/l
RT: 5.098 min Scan# 658
Delta R.T. -0.001 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

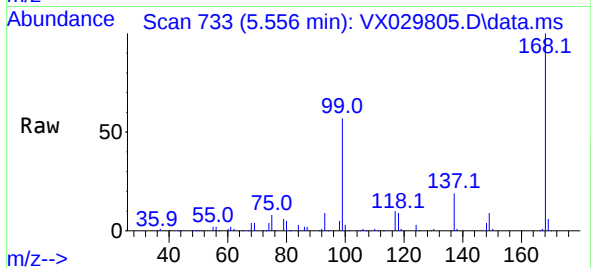
Tgt Ion: 83 Resp: 1530
Ion Ratio Lower Upper
83 100
85 62.2 52.7 79.1



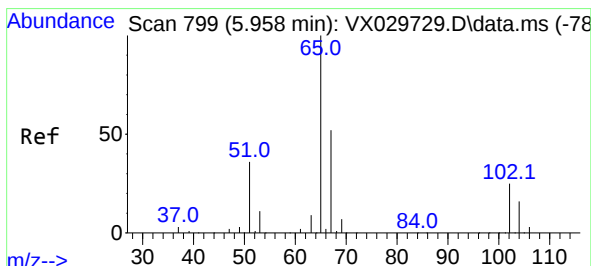
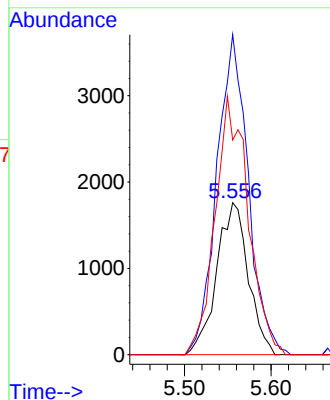
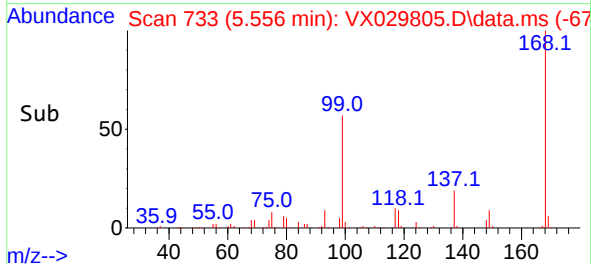


#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220616

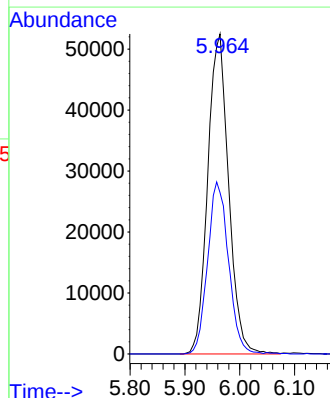
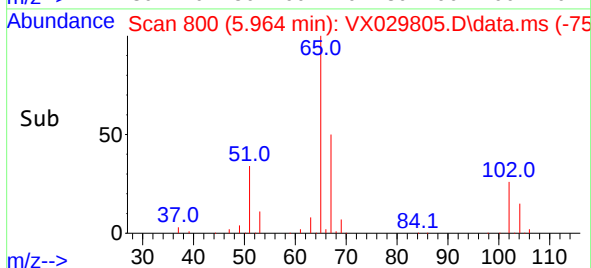
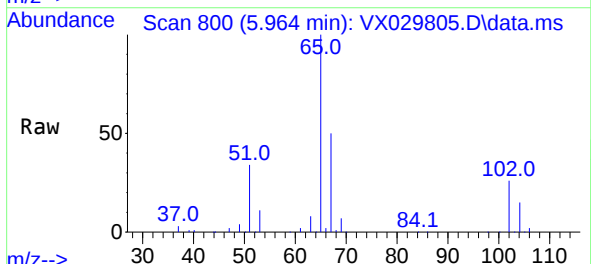


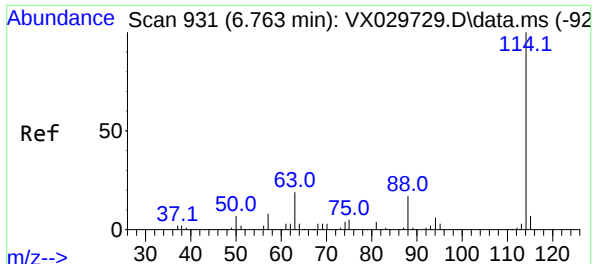
Tgt Ion: 56 Resp: 4467
Ion Ratio Lower Upper
56 100
69 210.5 26.7 40.1#
84 141.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 40.508 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion: 65 Resp: 138430
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX029805.D

Acq: 25 Jun 2022 07:23

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20220616

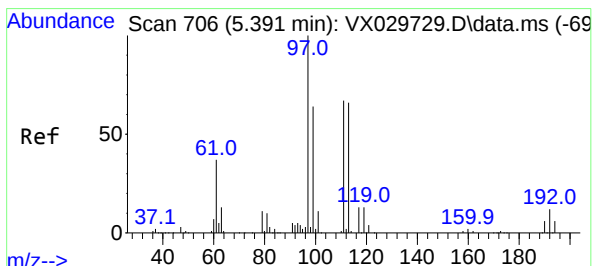
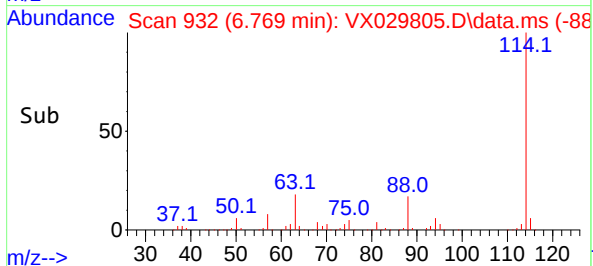
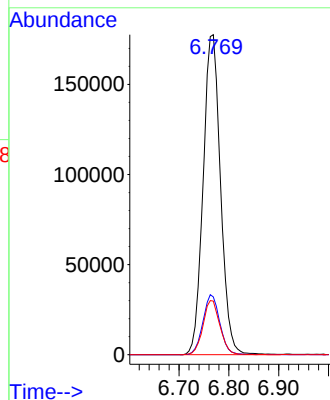
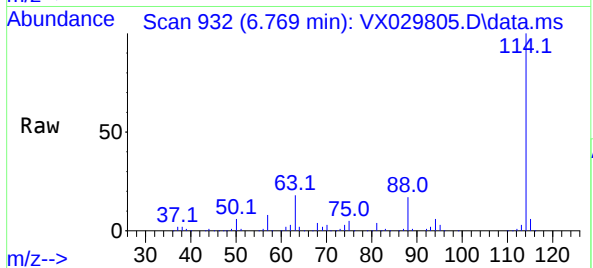
Tgt Ion:114 Resp: 429825

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 16.7 0.0 32.4



#35

Dibromofluoromethane

Concen: 44.568 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029805.D

Acq: 25 Jun 2022 07:23

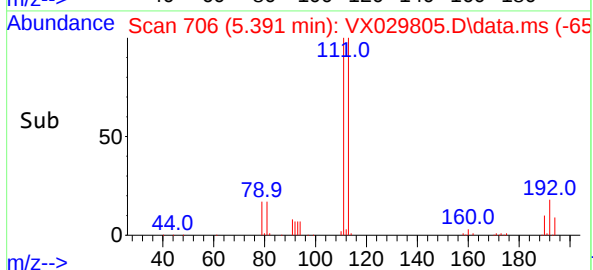
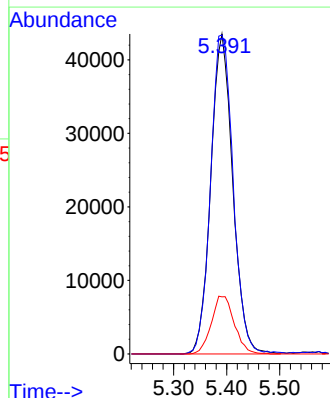
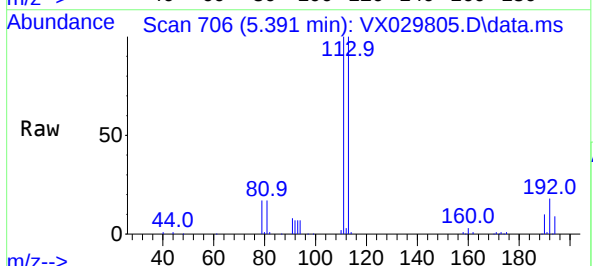
Tgt Ion:113 Resp: 124841

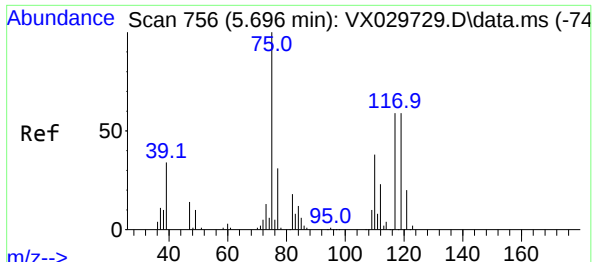
Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

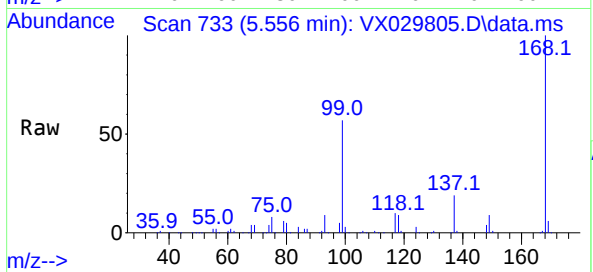
192 18.9 16.9 25.3



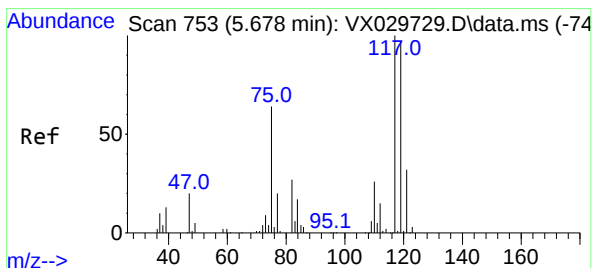
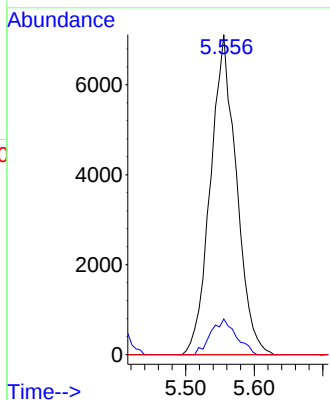
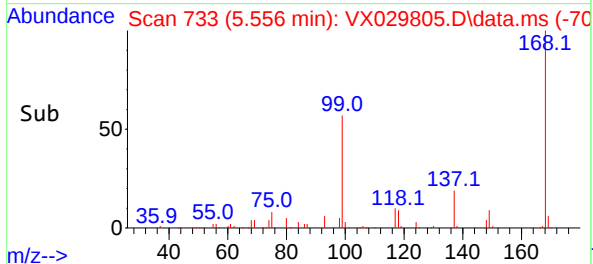


#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 5.556 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

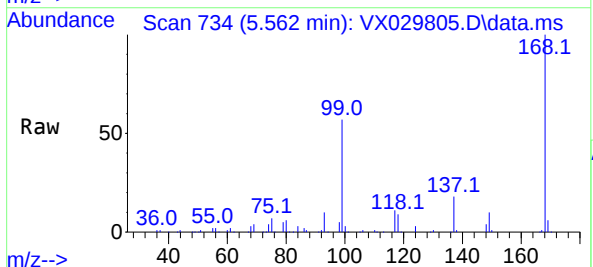
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220616



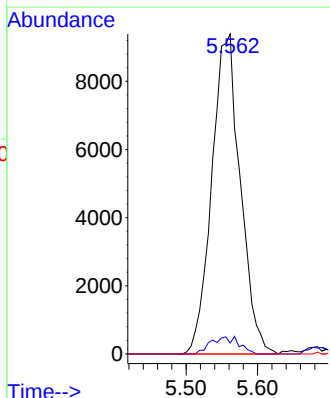
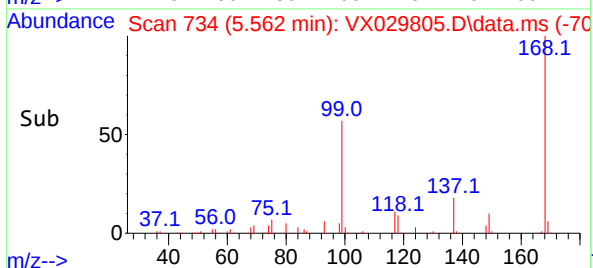
Tgt Ion: 75 Resp: 18714
Ion Ratio Lower Upper
75 100
110 10.9 18.3 54.8#
77 0.0 24.8 37.2#

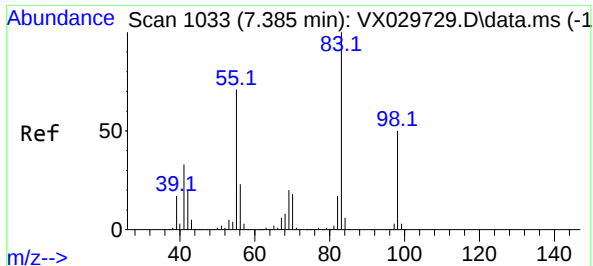


#38
Carbon Tetrachloride
Concen: 6.975 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23



Tgt Ion: 117 Resp: 26004
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 1.269 ug/l

RT: 7.128 min Scan# 91

Delta R.T. -0.257 min

Lab File: VX029805.D

Acq: 25 Jun 2022 07:23

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20220616

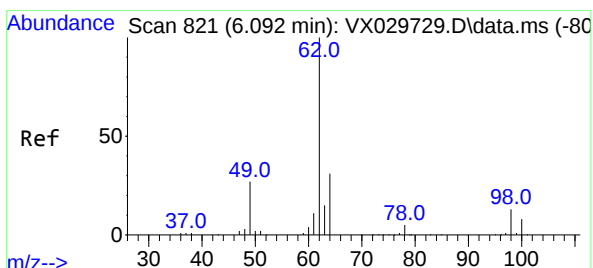
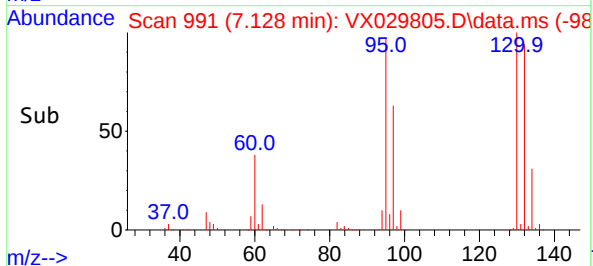
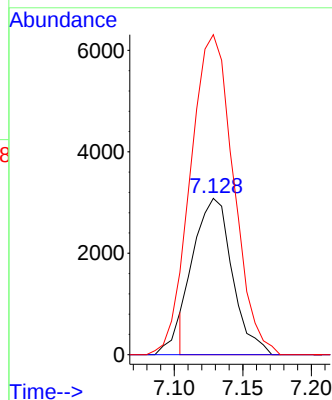
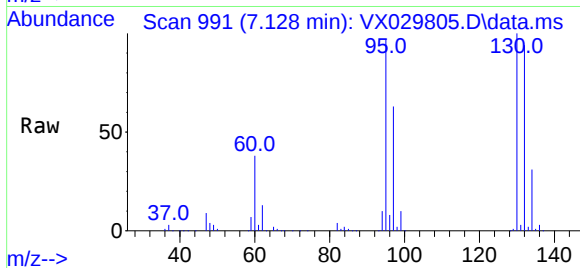
Tgt Ion: 83 Resp: 5996

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 204.6 37.4 56.2#



#42

1,2-Dichloroethane

Concen: 0.266 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.006 min

Lab File: VX029805.D

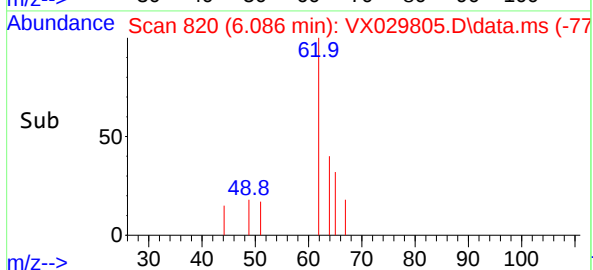
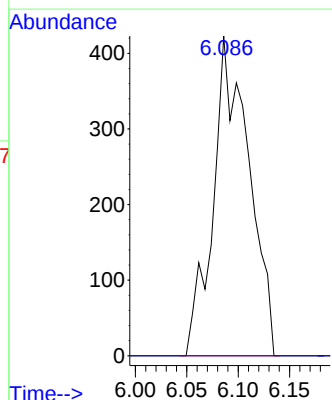
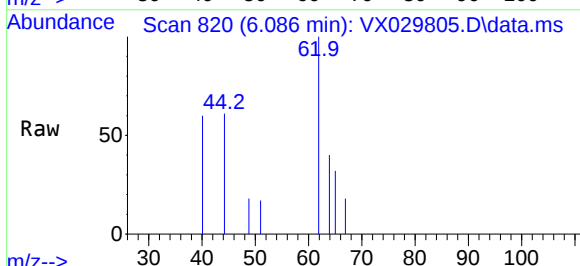
Acq: 25 Jun 2022 07:23

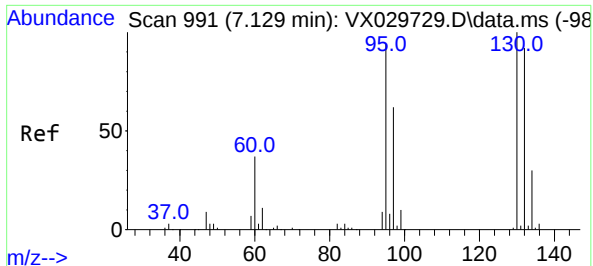
Tgt Ion: 62 Resp: 1026

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

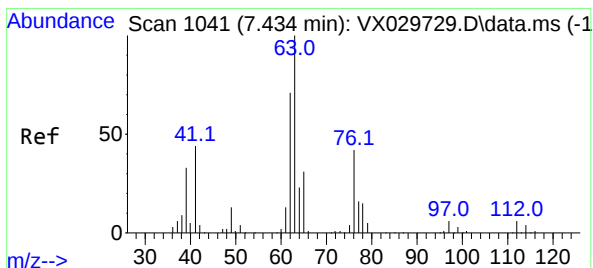
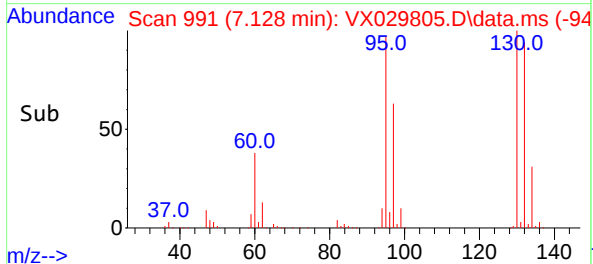
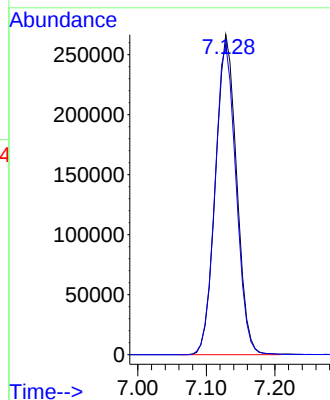
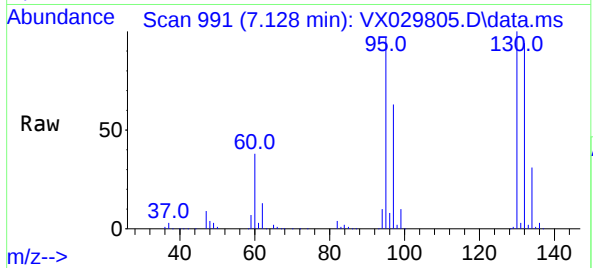




#44
Trichloroethene
Concen: 181.410 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.001 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

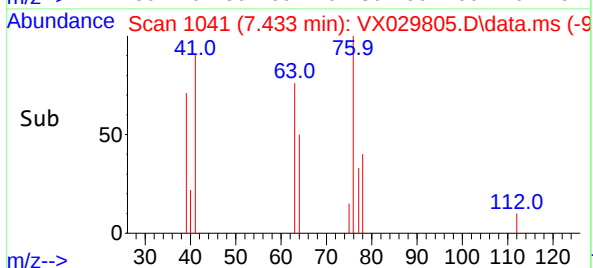
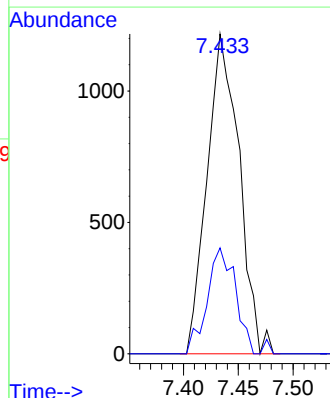
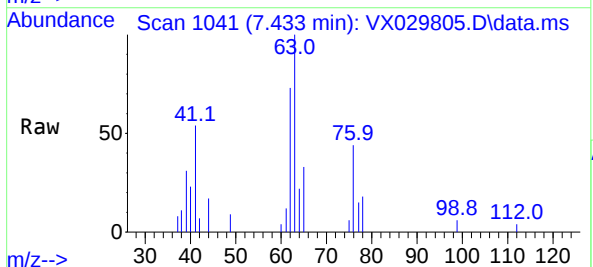
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220616

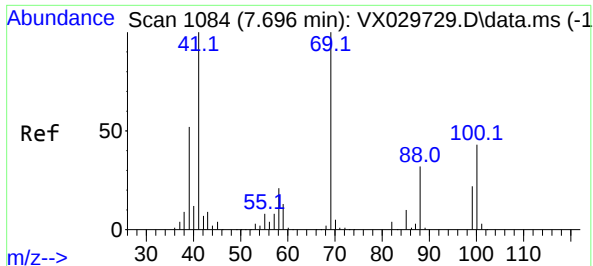
Tgt Ion:130 Resp: 568237
Ion Ratio Lower Upper
130 100
95 96.9 0.0 188.8



#45
1,2-Dichloropropane
Concen: 0.898 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. -0.001 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion: 63 Resp: 2476
Ion Ratio Lower Upper
63 100
65 33.1 25.8 38.6

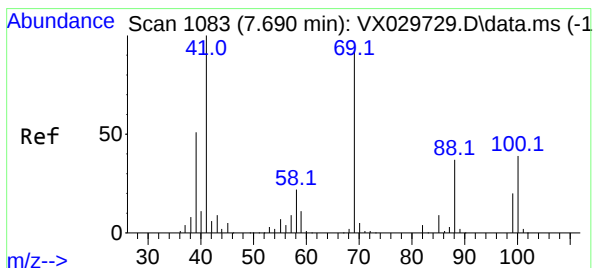
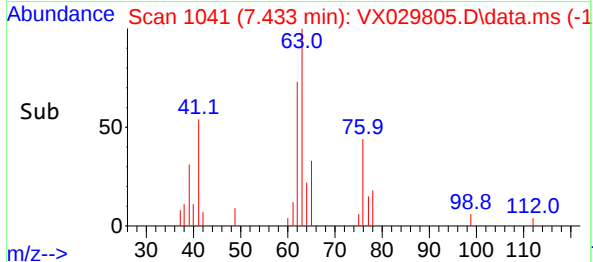
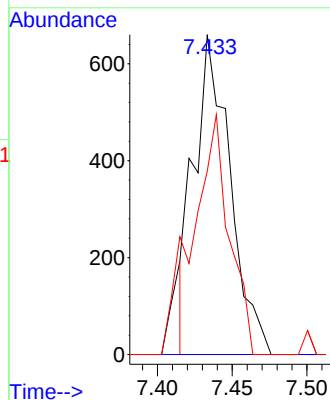
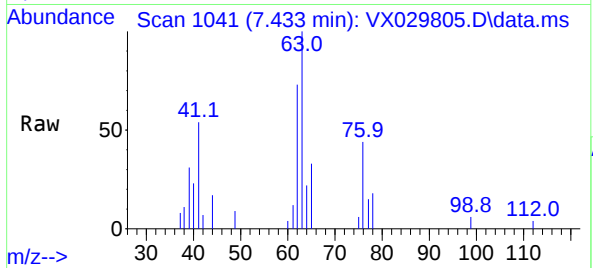




#48
Methyl methacrylate
Concen: 0.372 ug/l
RT: 7.433 min Scan# 1084
Delta R.T. -0.263 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

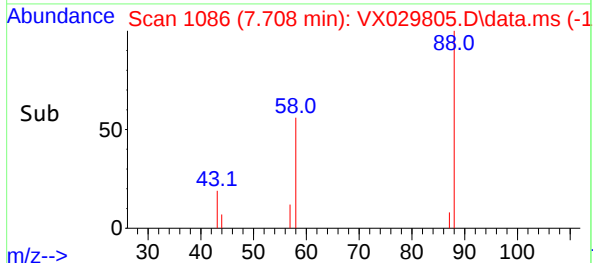
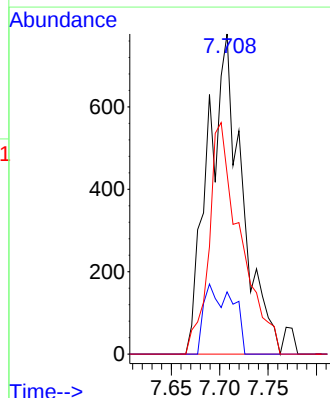
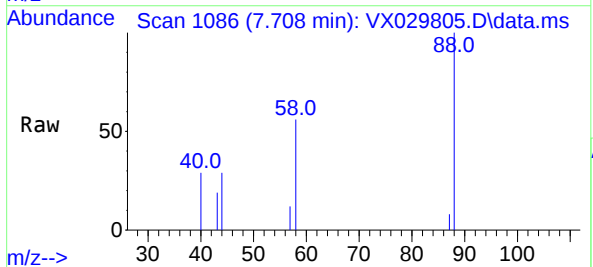
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220616

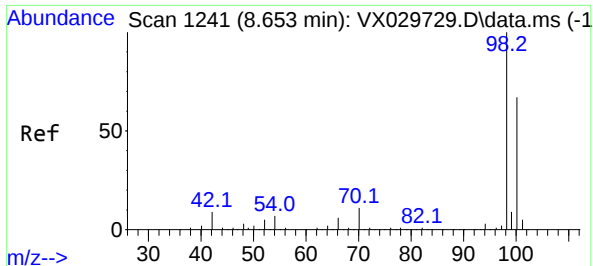
Tgt Ion: 41 Resp: 1101
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 59.2 43.8 65.8



#49
1,4-Dioxane
Concen: 24.899 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.024 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion: 88 Resp: 1902
Ion Ratio Lower Upper
88 100
43 10.4 21.9 32.9#
58 67.1 53.7 80.5





#50

Toluene-d8

Concen: 46.932 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029805.D

Acq: 25 Jun 2022 07:23

Instrument :

MSVOA_X

ClientSampleId :

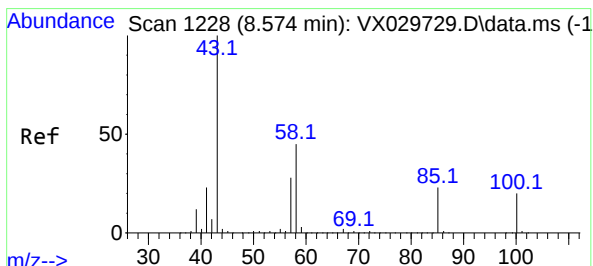
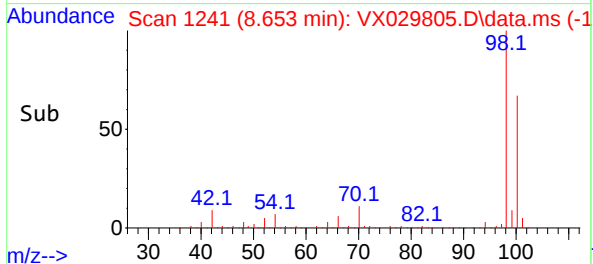
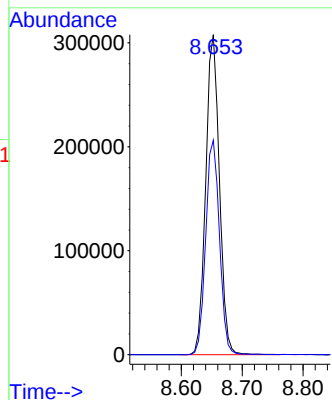
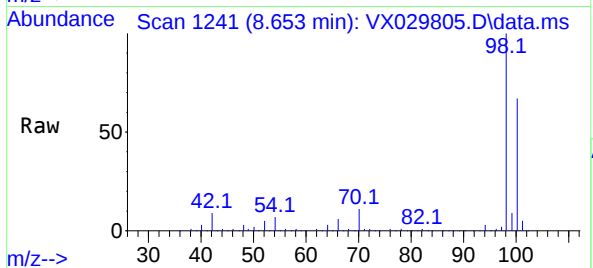
RE134D3-20220616

Tgt Ion: 98 Resp: 480256

Ion Ratio Lower Upper

98 100

100 67.6 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.425 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX029805.D

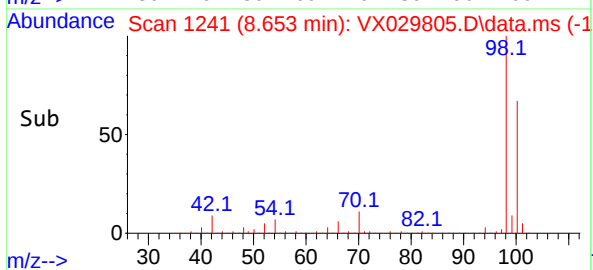
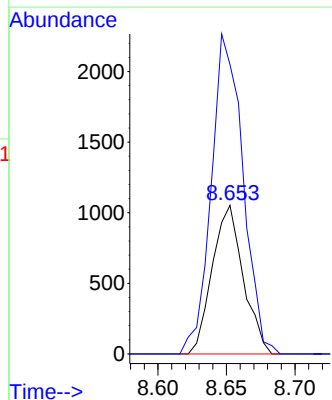
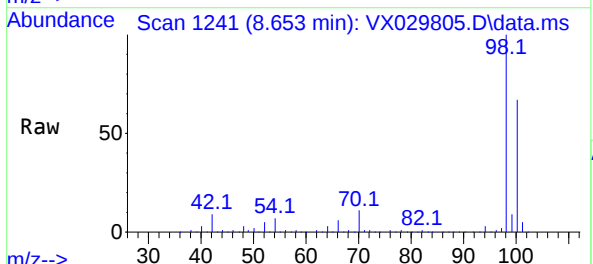
Acq: 25 Jun 2022 07:23

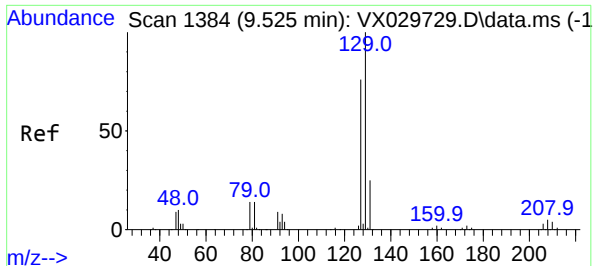
Tgt Ion: 43 Resp: 1656

Ion Ratio Lower Upper

43 100

58 220.0 36.1 54.1#

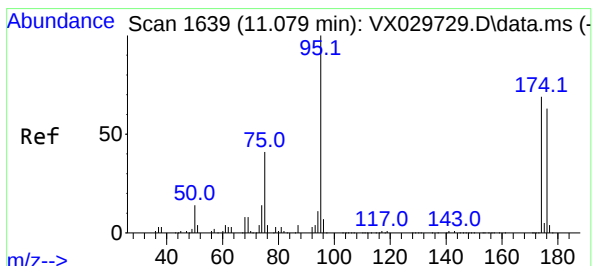
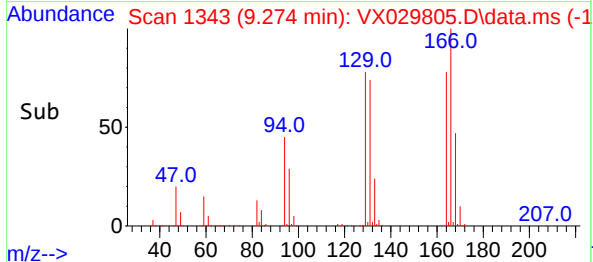
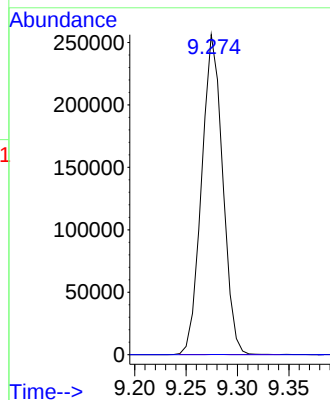
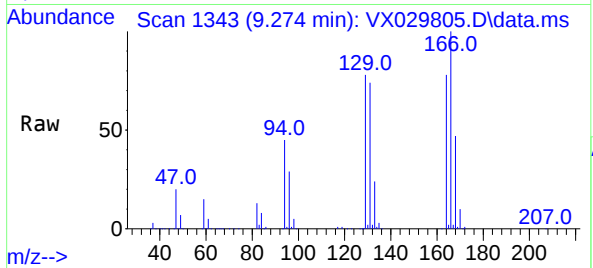




#60
Dibromochloromethane
Concen: 129.489 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.251 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

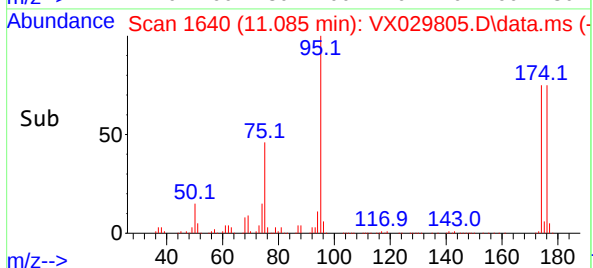
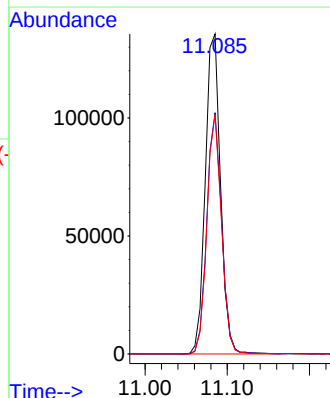
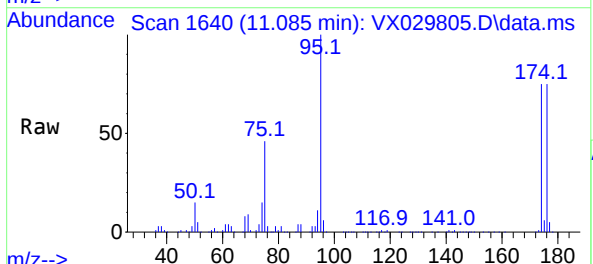
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220616

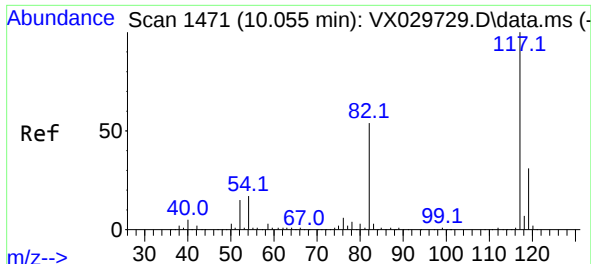
Tgt Ion:129 Resp: 365787
Ion Ratio Lower Upper
129 100
127 0.0 40.3 120.8#



#62
4-Bromofluorobenzene
Concen: 45.130 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Tgt Ion: 95 Resp: 174156
Ion Ratio Lower Upper
95 100
174 73.7 0.0 163.0
176 71.9 0.0 155.0

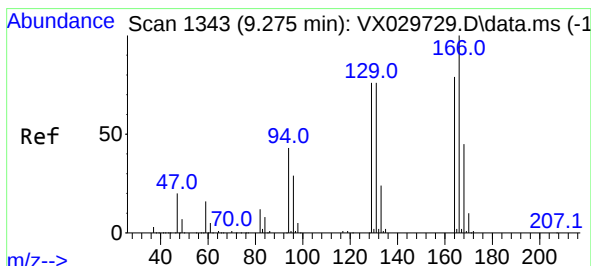
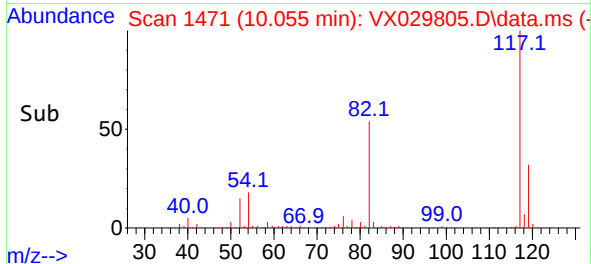
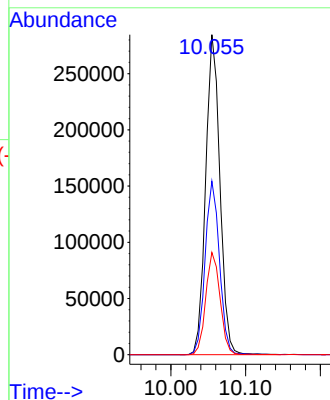
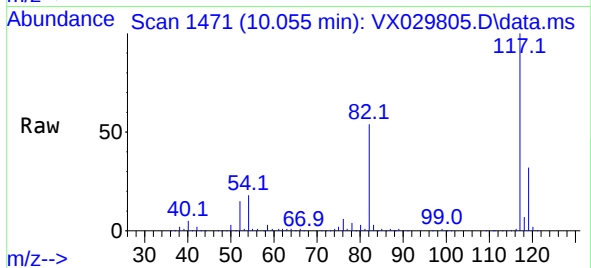




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

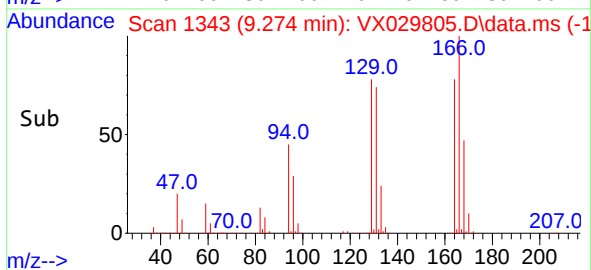
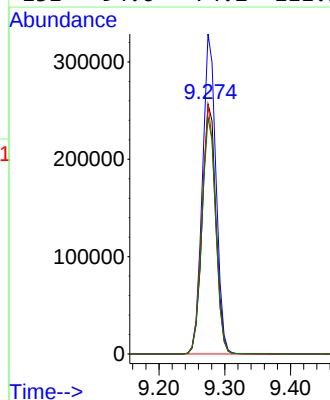
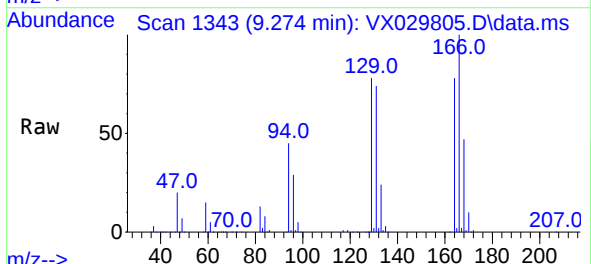
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220616

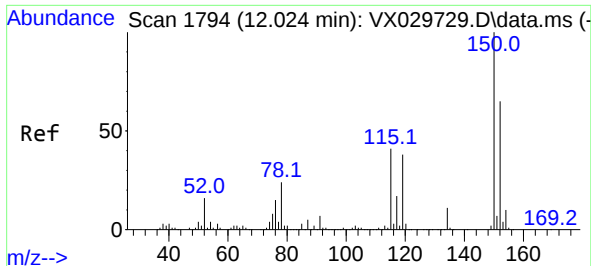
Tgt Ion:117 Resp: 376582
Ion Ratio Lower Upper
117 100
82 54.2 41.8 62.8
119 32.0 24.8 37.2



#64
Tetrachloroethene
Concen: 137.354 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.001 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

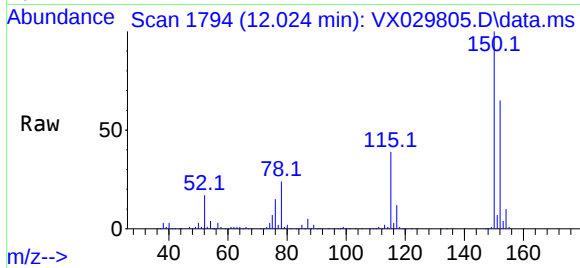
Tgt Ion:164 Resp: 374068
Ion Ratio Lower Upper
164 100
166 128.1 101.2 151.8
129 99.9 73.0 109.4
131 94.6 74.2 111.2



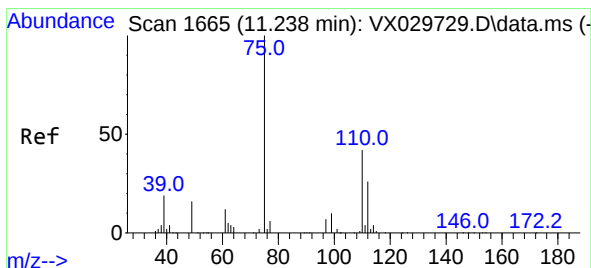
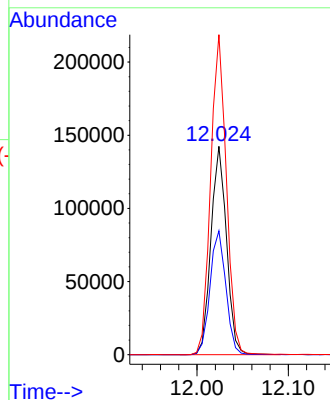
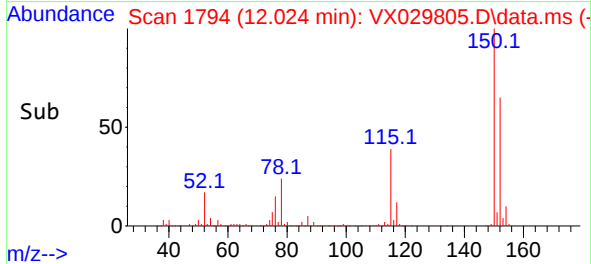


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20220616

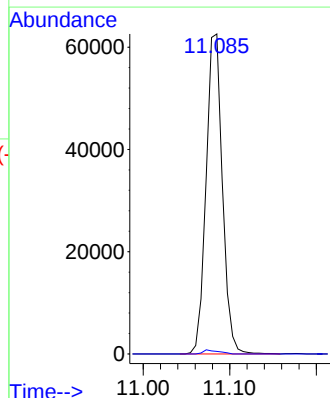
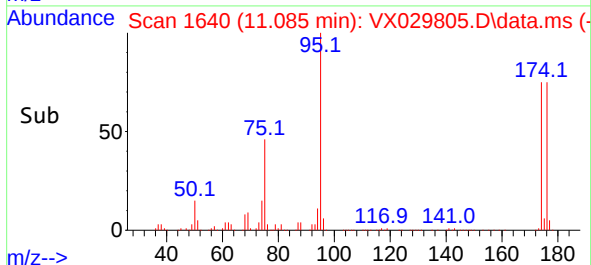
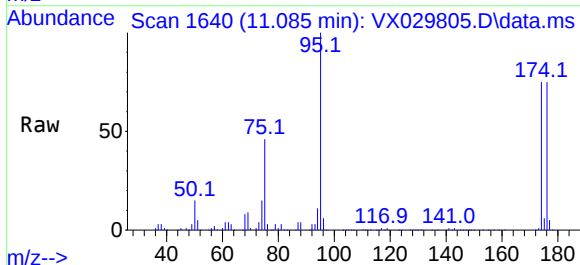


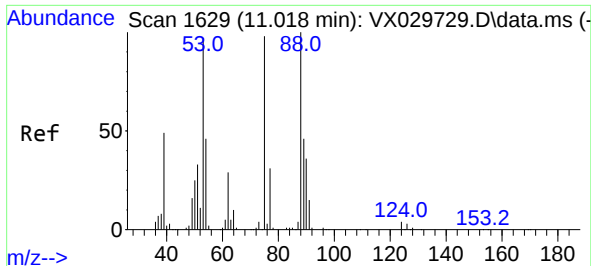
Tgt Ion:152 Resp: 168407
Ion Ratio Lower Upper
152 100
115 60.4 37.5 112.7
150 154.5 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 22.316 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029805.D
Acq: 25 Jun 2022 07:23

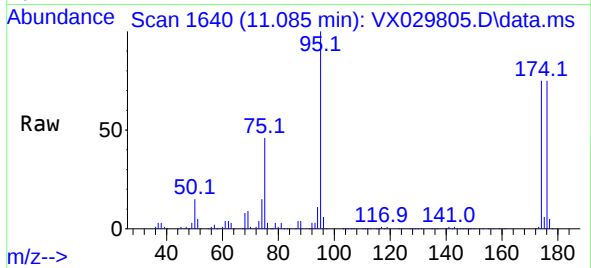
Tgt Ion: 75 Resp: 81872
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.240 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX029805.D
 Acq: 25 Jun 2022 07:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20220616



Tgt Ion: 75 Resp: 81872
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

