

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082622\
 Data File : VX030844.D
 Acq On : 27 Aug 2022 03:49
 Operator : JC/MD
 Sample : N4281-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20220818

Quant Time: Aug 27 06:29:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 26 02:03:28 2022
 Response via : Initial Calibration

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

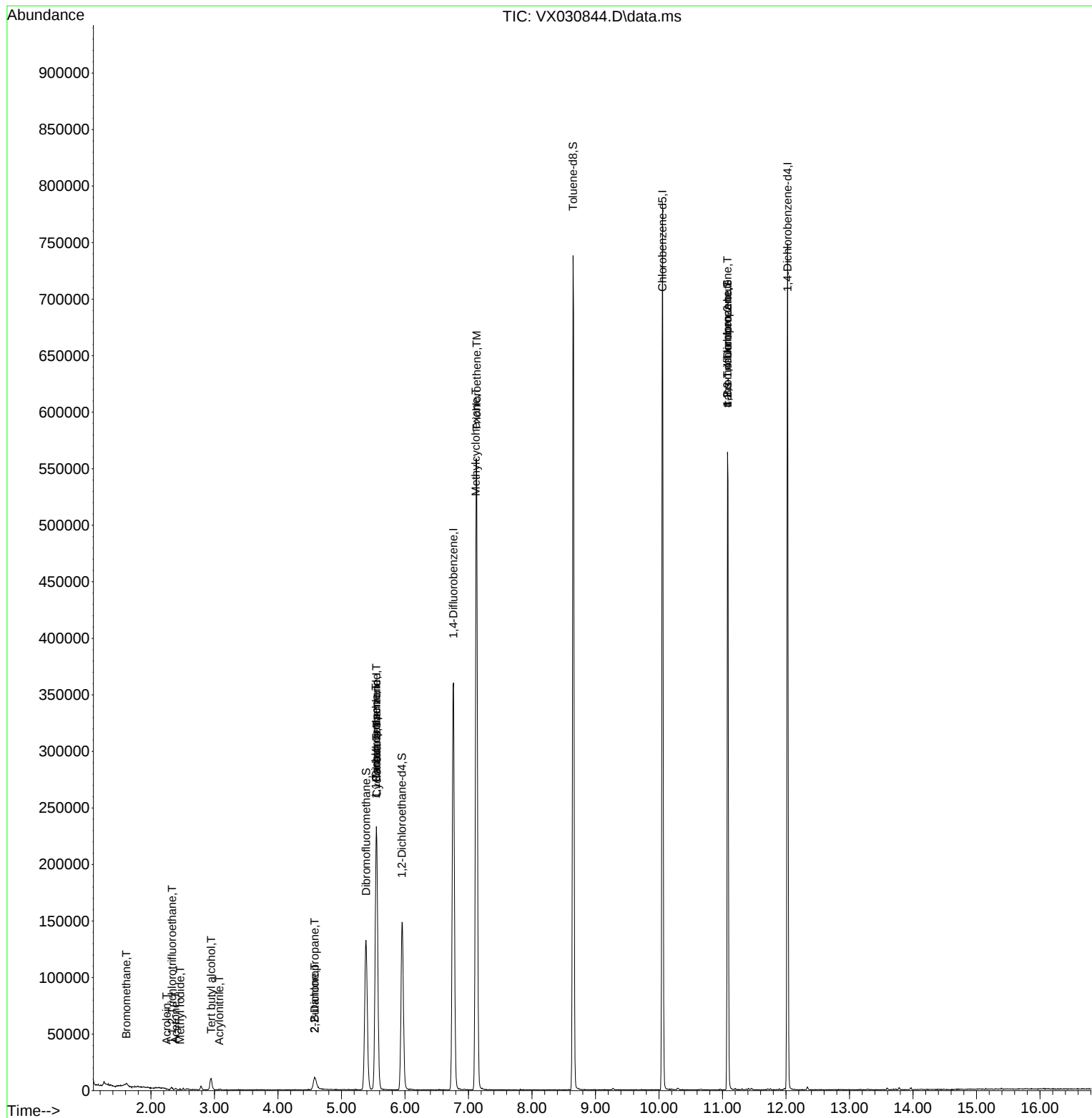
Internal Standards						
1) Pentafluorobenzene	5.550	168	219499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	369819	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	344519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	144351	55.909	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.820%	
35) Dibromofluoromethane	5.385	113	118331	52.063	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.120%	
50) Toluene-d8	8.647	98	443364	55.980	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.960%	
62) 4-Bromofluorobenzene	11.079	95	152070	51.573	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.140%	
Target Compounds						Qvalue
3) Chloromethane	1.295	50	239	Below Cal		98
4) Vinyl Chloride	1.374	62	140	Below Cal	#	85
5) Bromomethane	1.612	94	377	0.369	ug/l #	67
6) Chloroethane	1.679	64	138	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	740	0.346	ug/l #	86
10) Methyl Iodide	2.459	142	492	4.283	ug/l #	88
11) Tert butyl alcohol	2.947	59	6862	12.243	ug/l #	74
13) Acrolein	2.246	56	80	10.207	ug/l #	70
15) Acrylonitrile	3.075	53	291	0.212	ug/l #	89
16) Acetone	2.386	43	1450	1.215	ug/l	94
17) Carbon Disulfide	2.508	76	1330	Below Cal	#	90
20) Methylene Chloride	2.788	84	1478	Below Cal		97
25) 2-Butanone	4.574	43	1281	0.667	ug/l #	86
26) 2,2-Dichloropropane	4.574	77	974	0.321	ug/l #	49
31) Cyclohexane	5.556	56	4535	1.374	ug/l #	7
36) 1,1-Dichloropropene	5.544	75	18657	6.028	ug/l #	48
38) Carbon Tetrachloride	5.550	117	22582	6.917	ug/l #	17
39) Methylcyclohexane	7.117	83	2878	0.777	ug/l #	1
44) Trichloroethene	7.129	130	219244	81.954	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	76297	22.957	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	76297	74.068	ug/l #	13

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

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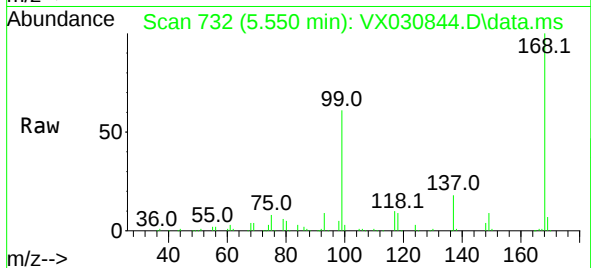
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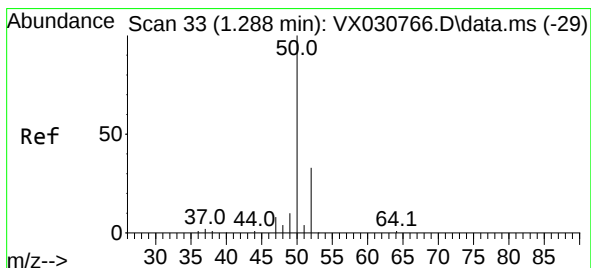
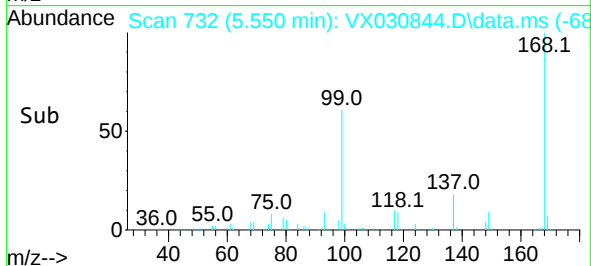
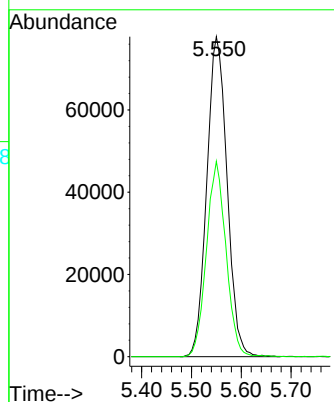


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20220818

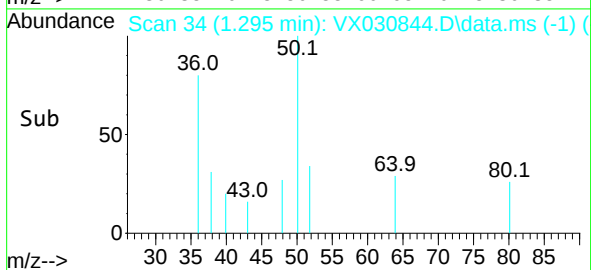
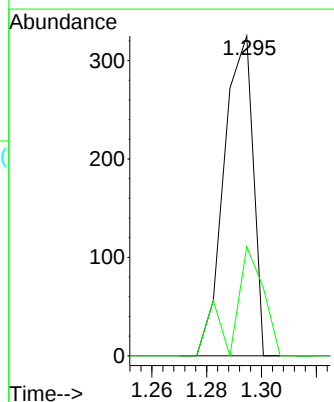
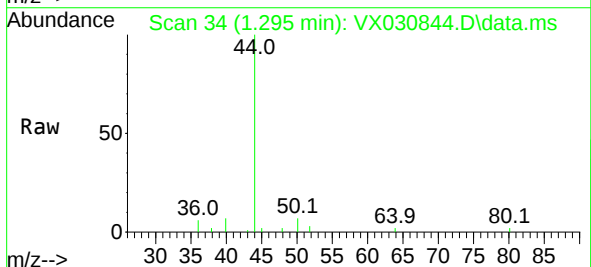


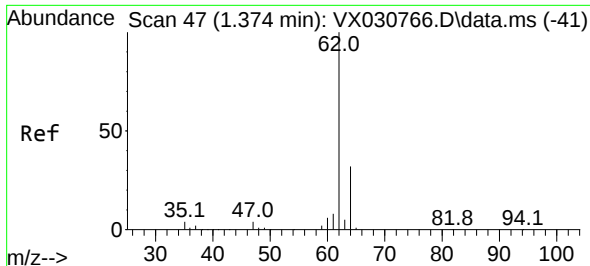
Tgt Ion:168 Resp: 219499
Ion Ratio Lower Upper
168 100
99 61.0 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion: 50 Resp: 239
Ion Ratio Lower Upper
50 100
52 34.2 26.3 39.5

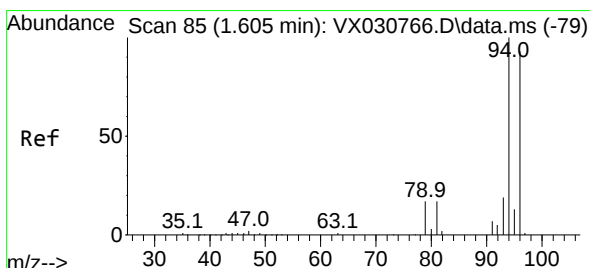
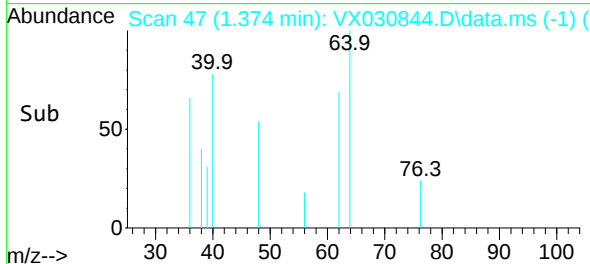
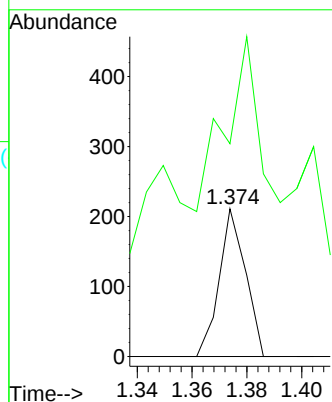
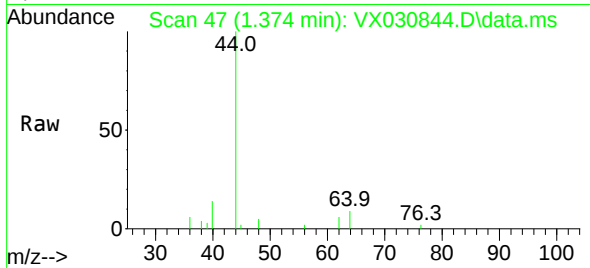




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX030844.D
 Acq: 27 Aug 2022 03:49

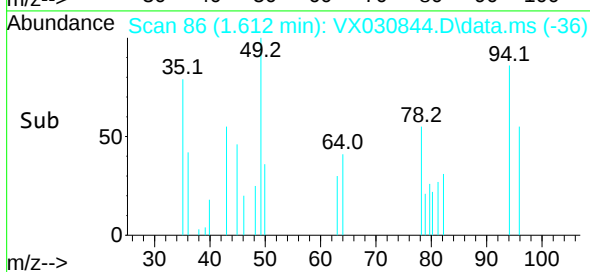
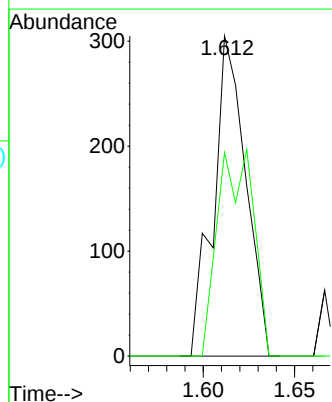
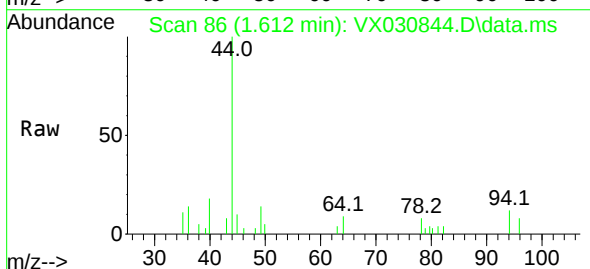
Instrument :
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 ClientSampleId :
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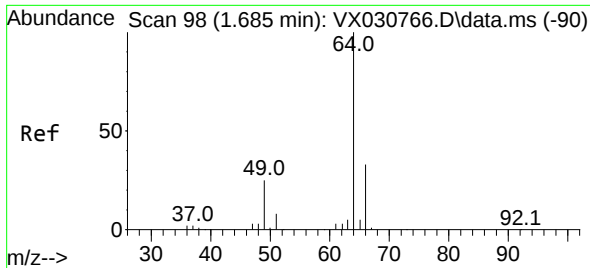
Tgt Ion: 62 Resp: 140
 Ion Ratio Lower Upper
 62 100
 64 39.8 25.2 37.8#



#5
 Bromomethane
 Concen: 0.369 ug/l
 RT: 1.612 min Scan# 86
 Delta R.T. 0.006 min
 Lab File: VX030844.D
 Acq: 27 Aug 2022 03:49

Tgt Ion: 94 Resp: 377
 Ion Ratio Lower Upper
 94 100
 96 63.6 76.9 115.3#

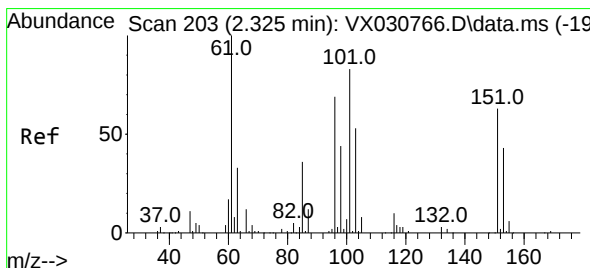
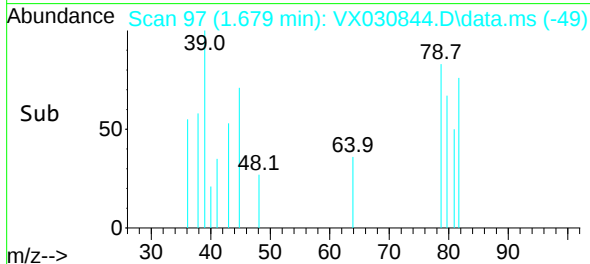
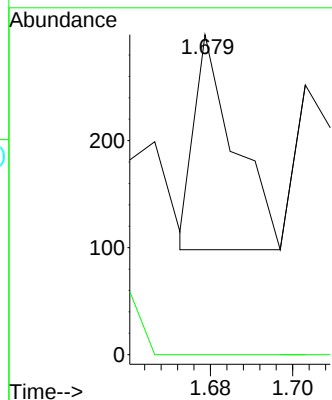
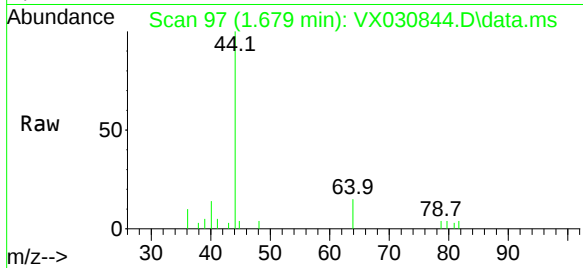




#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

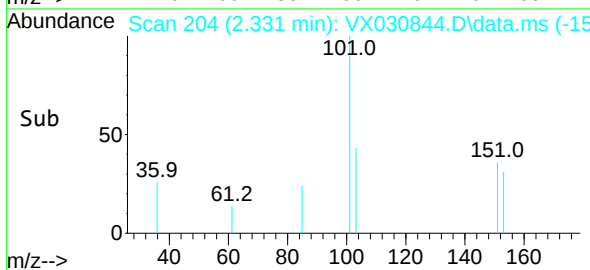
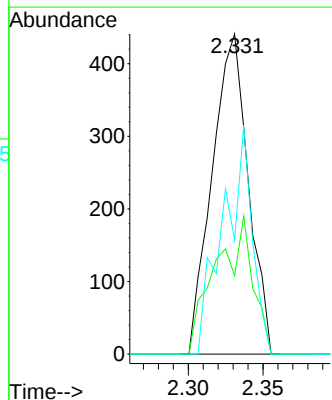
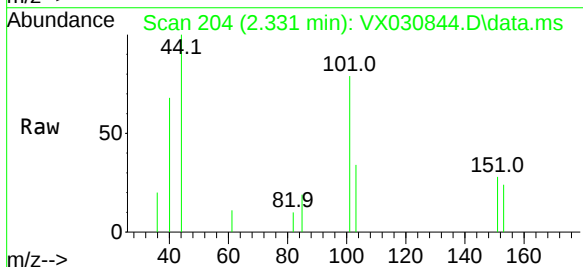
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20220818

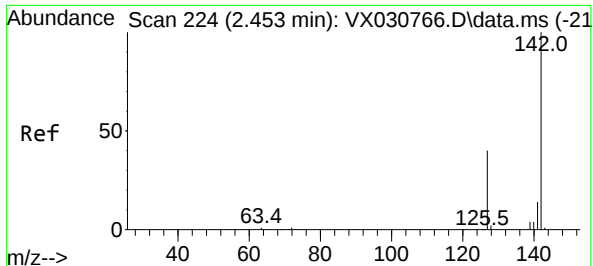
Tgt Ion: 64 Resp: 138
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.346 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion: 101 Resp: 740
Ion Ratio Lower Upper
101 100
85 44.2 34.0 51.0
151 57.0 59.4 89.0#

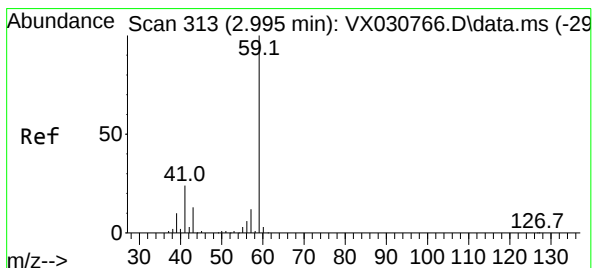
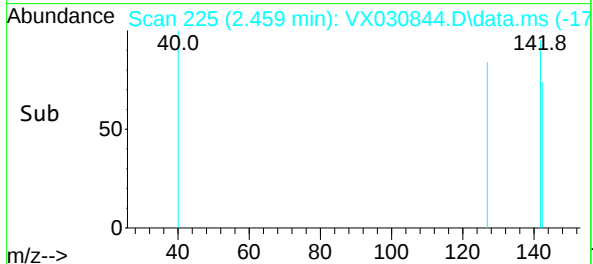
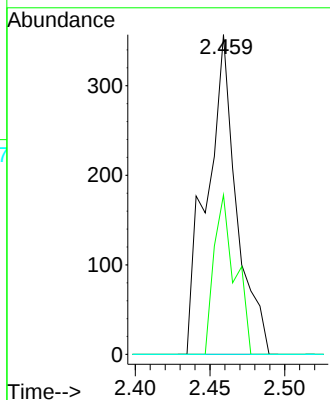
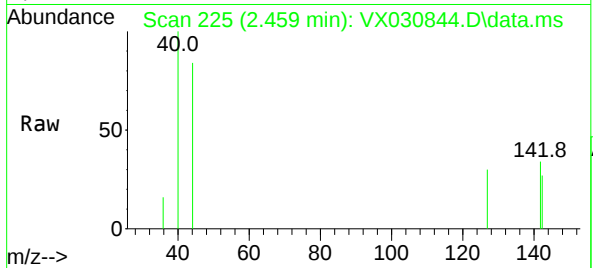




#10
Methyl Iodide
Concen: 4.283 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

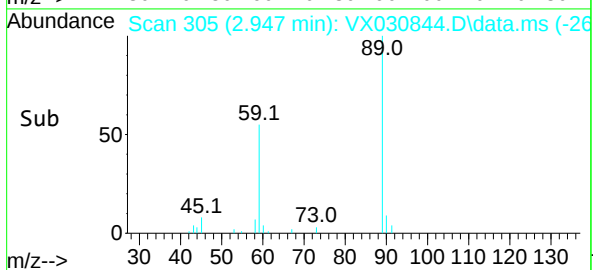
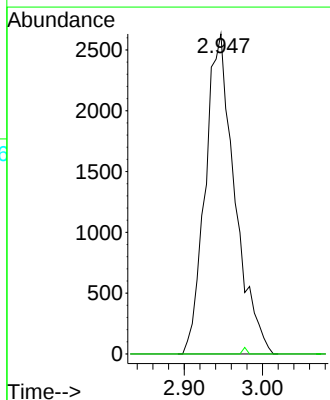
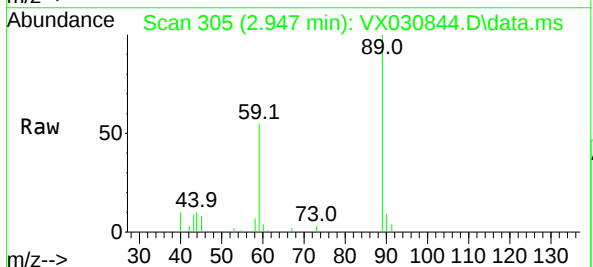
Instrument :
MSVOA_X
ClientSampleId :
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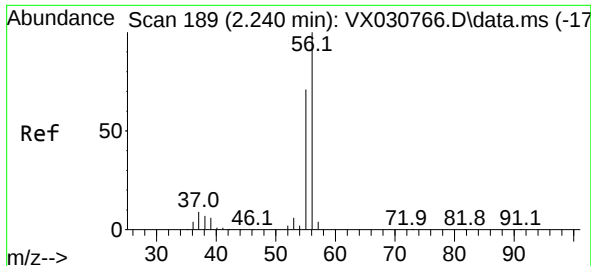
Tgt Ion:142 Resp: 492
Ion Ratio Lower Upper
142 100
127 35.6 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 12.243 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion: 59 Resp: 6862
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

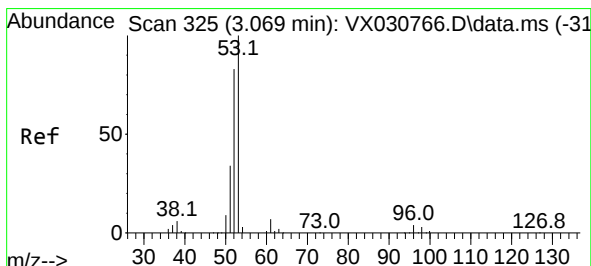
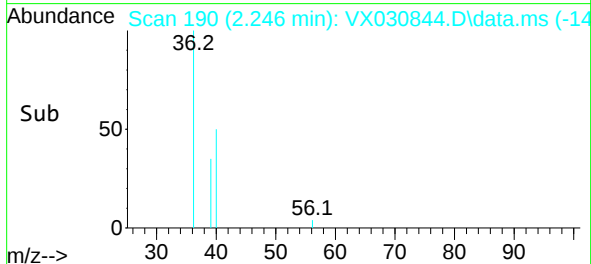
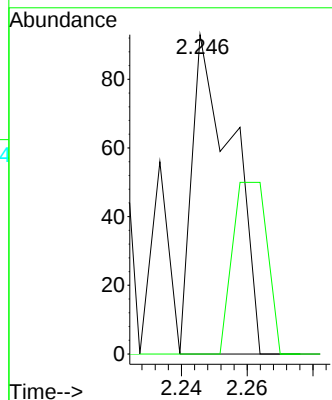
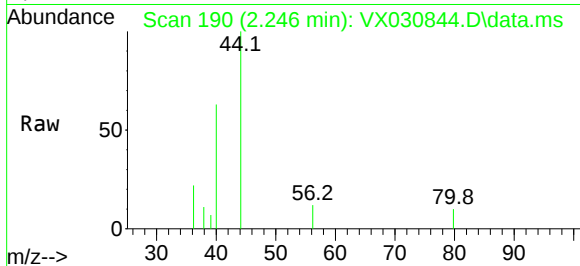




#13
Acrolein
Concen: 10.207 ug/l
RT: 2.246 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

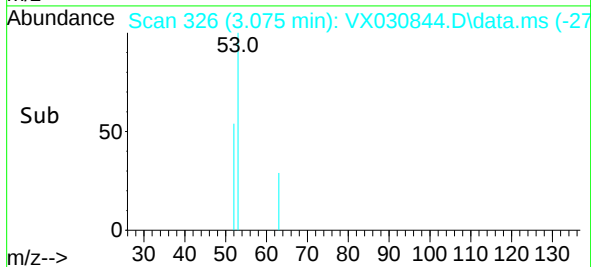
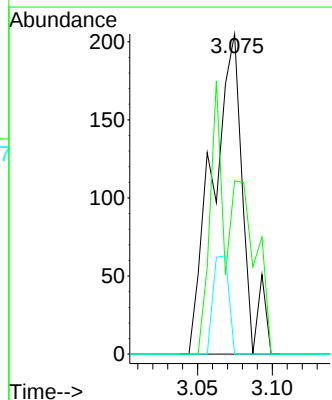
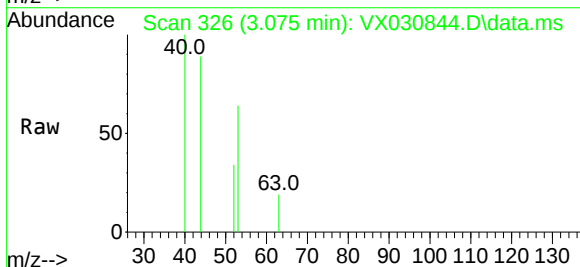
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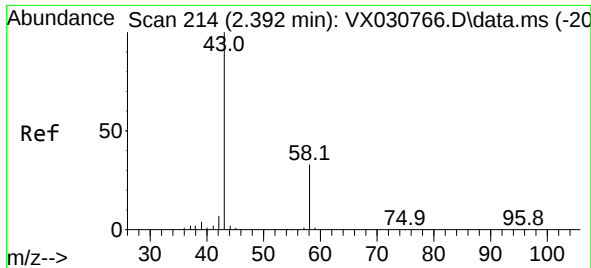
Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 46.3 56.6 84.8#



#15
Acrylonitrile
Concen: 0.212 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion: 53 Resp: 291
Ion Ratio Lower Upper
53 100
52 79.7 65.4 98.0
51 15.8 27.7 41.5#

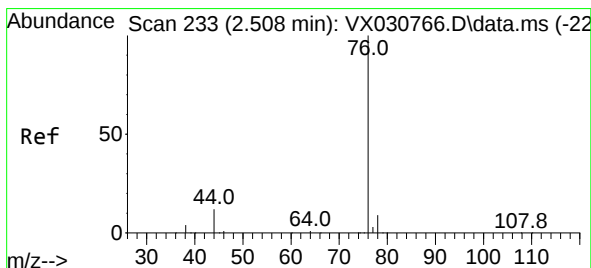
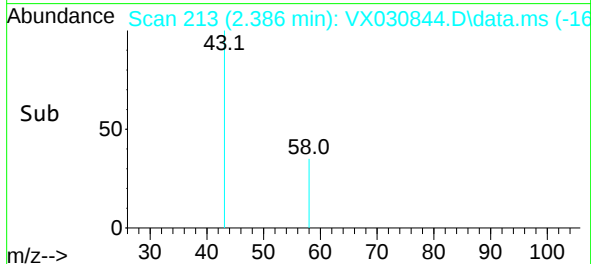
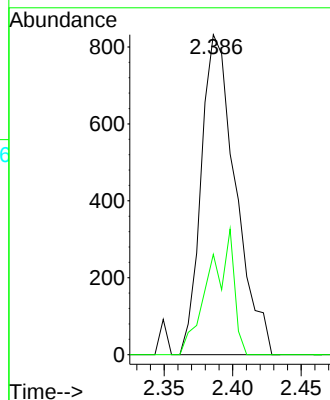
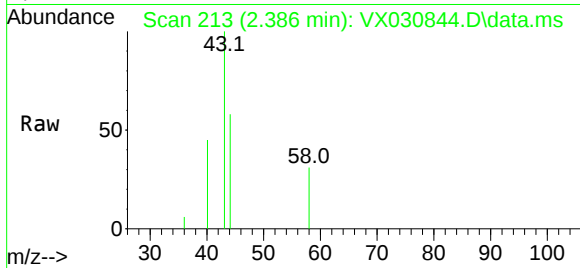




#16
Acetone
Concen: 1.215 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

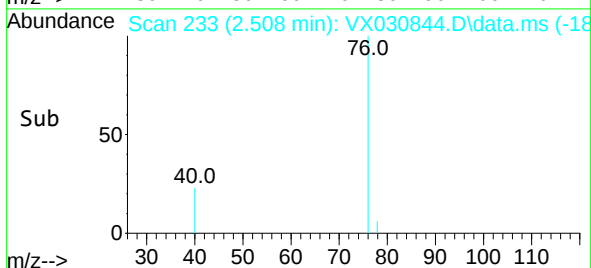
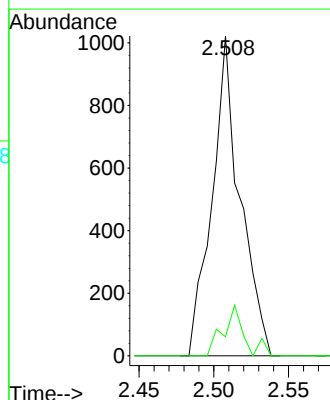
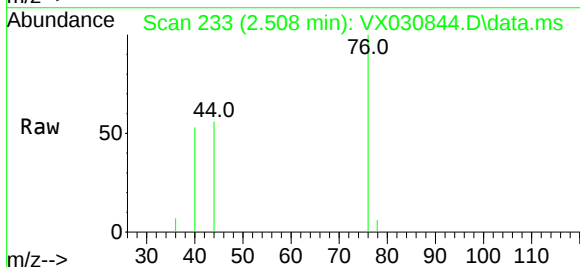
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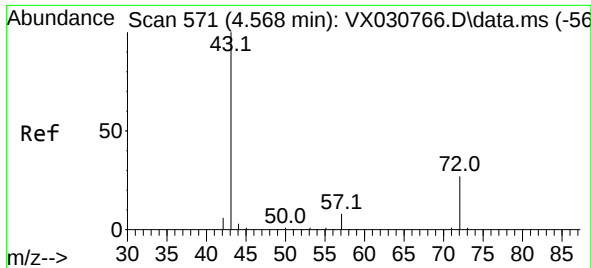
Tgt Ion: 43 Resp: 1450
Ion Ratio Lower Upper
43 100
58 31.4 27.7 41.5



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion: 76 Resp: 1330
Ion Ratio Lower Upper
76 100
78 6.0 7.8 11.6#

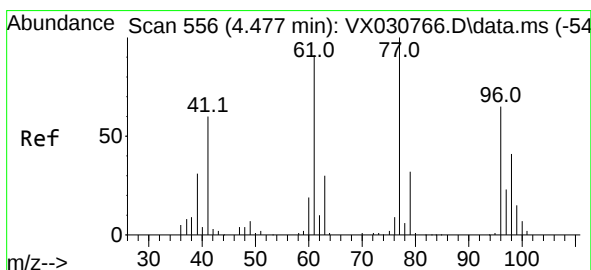
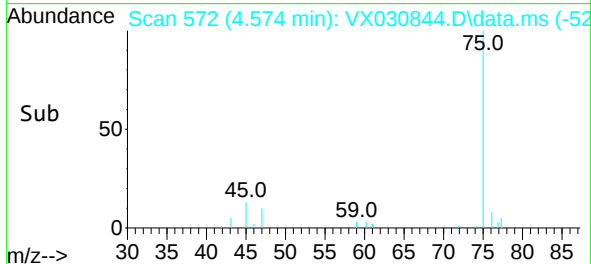
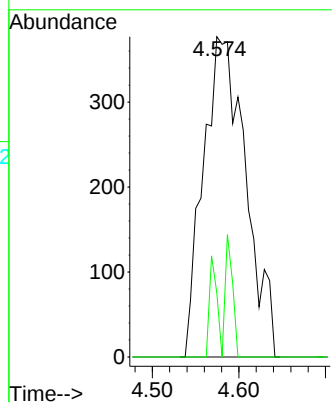
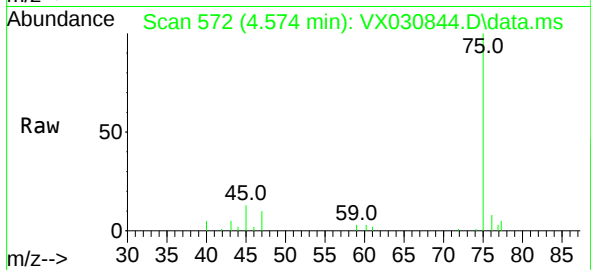




#25
2-Butanone
Concen: 0.667 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

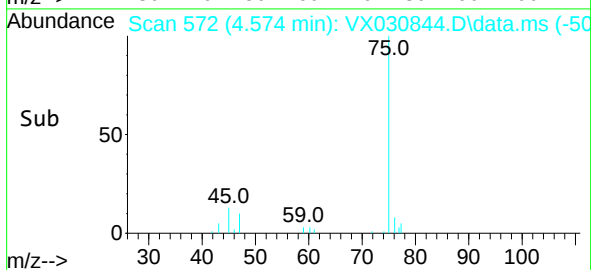
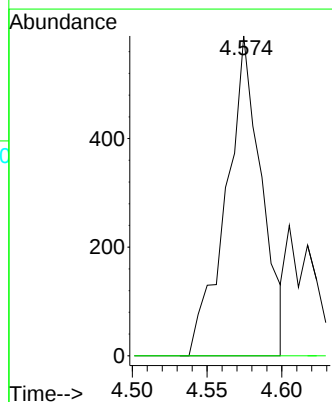
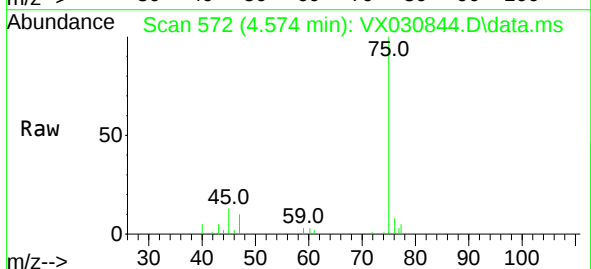
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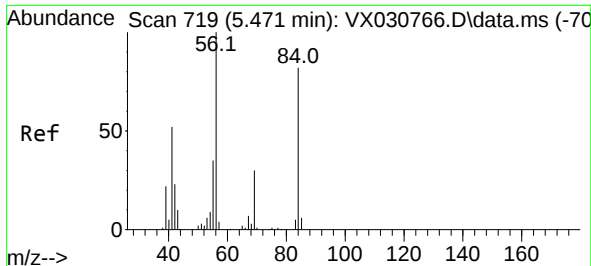
Tgt Ion: 43 Resp: 1281
Ion Ratio Lower Upper
43 100
72 19.9 21.7 32.5#



#26
2,2-Dichloropropane
Concen: 0.321 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.097 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion: 77 Resp: 974
Ion Ratio Lower Upper
77 100
97 0.0 13.0 39.0#

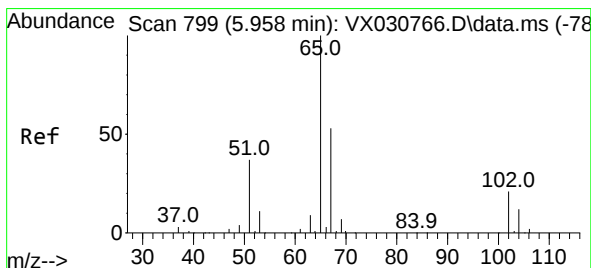
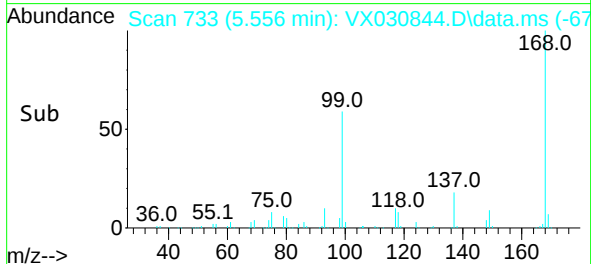
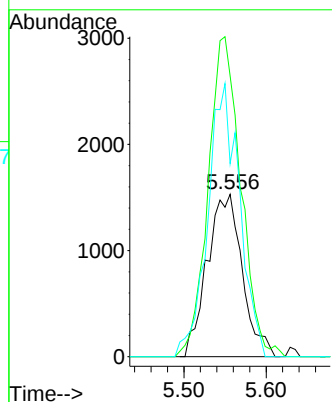
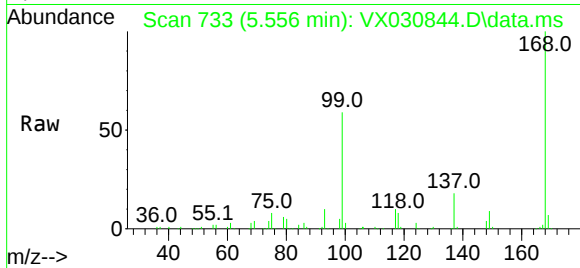




#31
Cyclohexane
Concen: 1.374 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

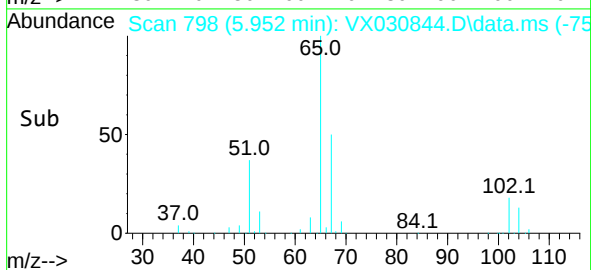
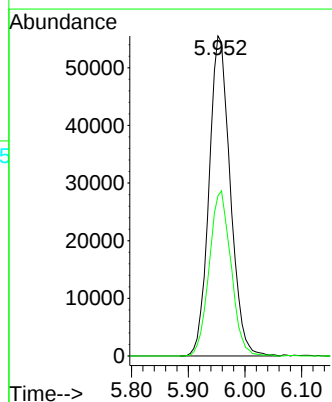
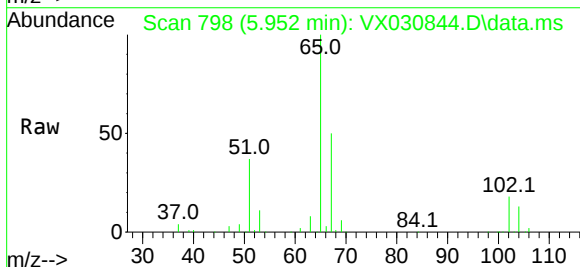
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20220818

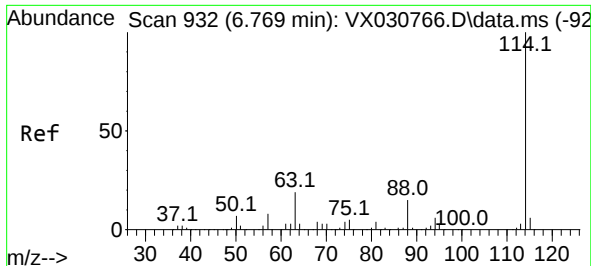
Tgt Ion: 56 Resp: 4535
Ion Ratio Lower Upper
56 100
69 169.6 25.4 38.0#
84 119.0 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 55.909 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion: 65 Resp: 144351
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6

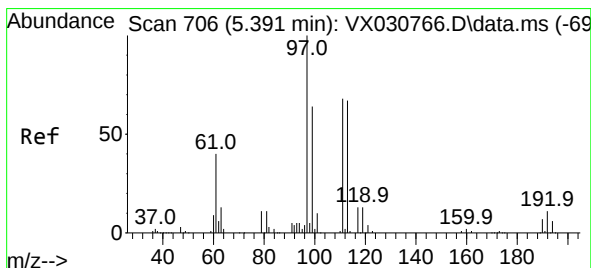
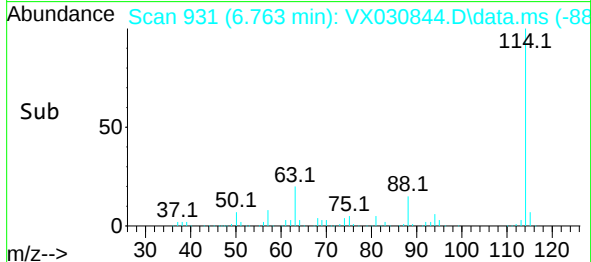
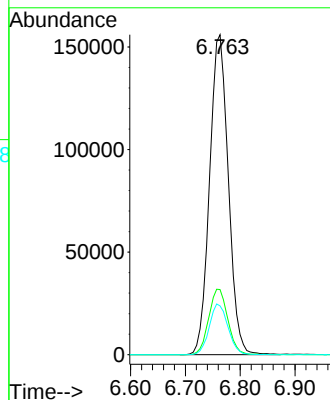
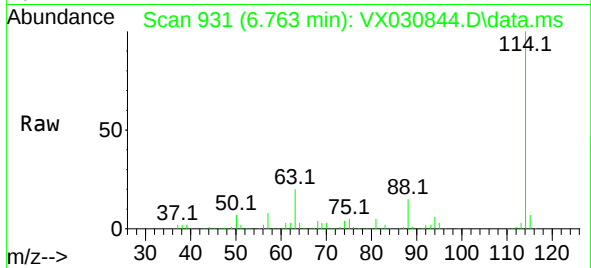




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

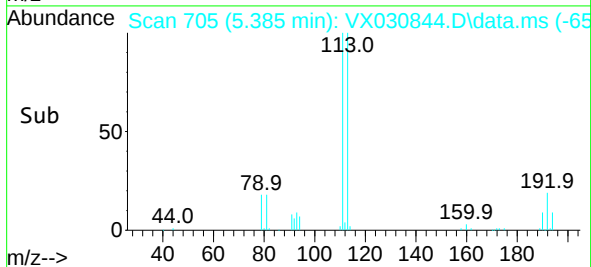
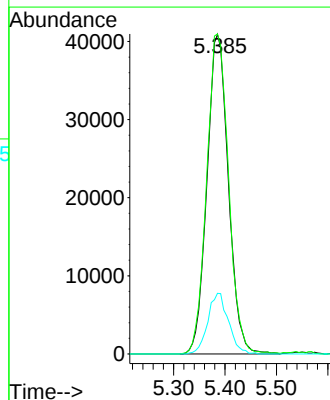
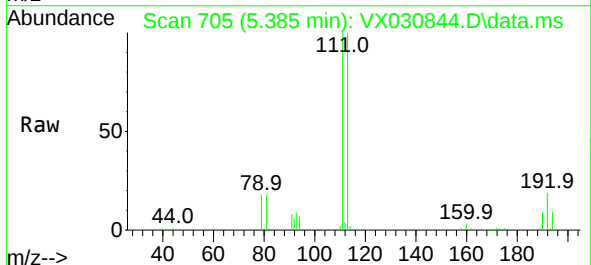
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20220818

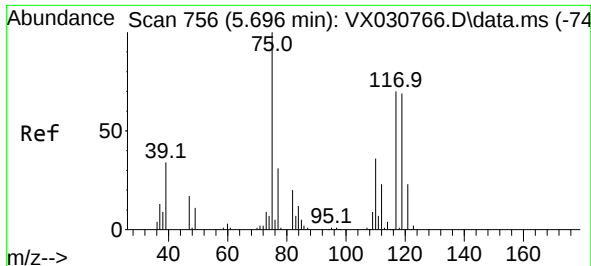
Tgt Ion:114 Resp: 369819
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.4
88 15.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.063 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

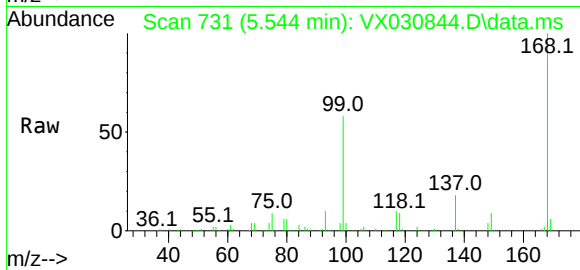
Tgt Ion:113 Resp: 118331
Ion Ratio Lower Upper
113 100
111 102.4 83.2 124.8
192 18.3 14.8 22.2



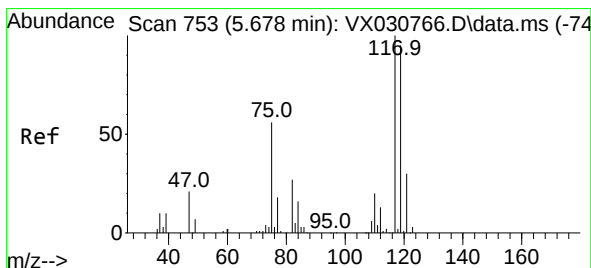
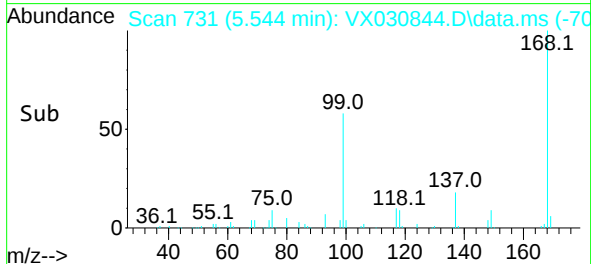
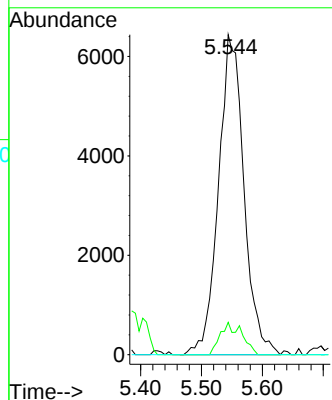


#36
1,1-Dichloropropene
Concen: 6.028 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20220818

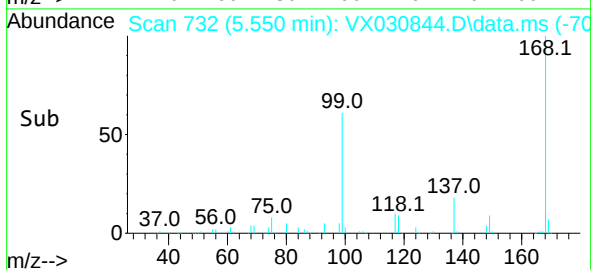
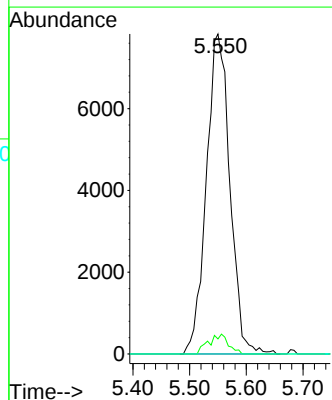
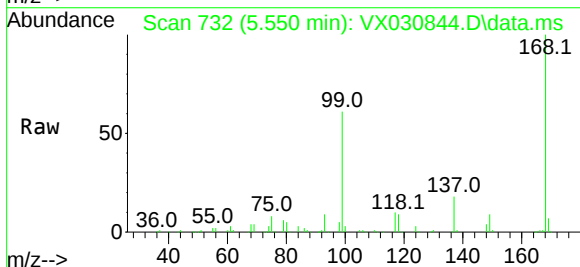


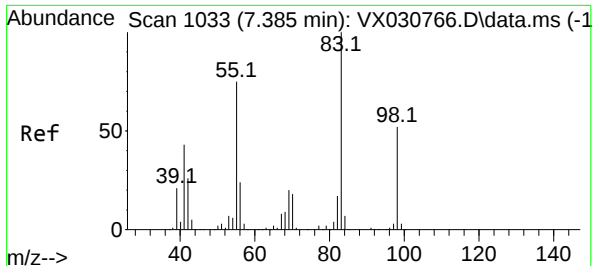
Tgt Ion: 75 Resp: 18657
Ion Ratio Lower Upper
75 100
110 8.6 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.917 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion: 117 Resp: 22582
Ion Ratio Lower Upper
117 100
119 4.7 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.777 ug/l

RT: 7.117 min Scan# 91

Delta R.T. -0.268 min

Lab File: VX030844.D

Acq: 27 Aug 2022 03:49

Instrument :

MSVOA_X

ClientSampleId :

RE122D3-20220818

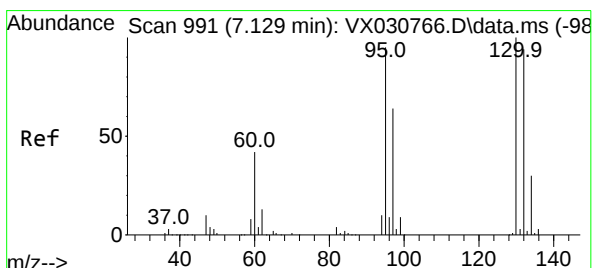
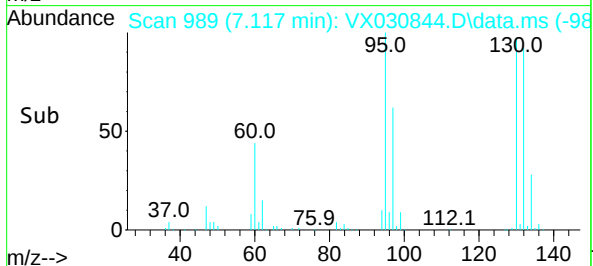
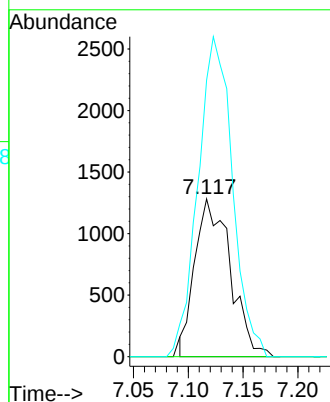
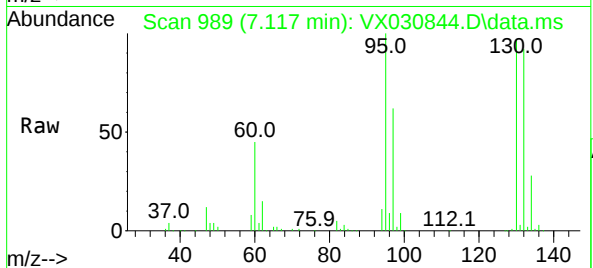
Tgt Ion: 83 Resp: 2878

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 175.2 36.5 54.7#



#44

Trichloroethene

Concen: 81.954 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX030844.D

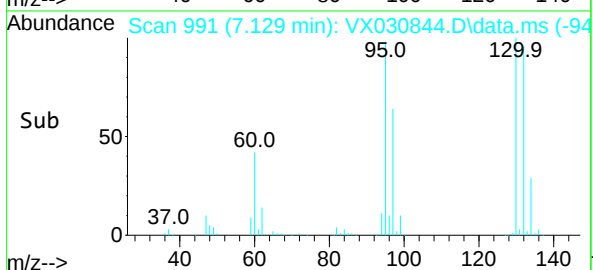
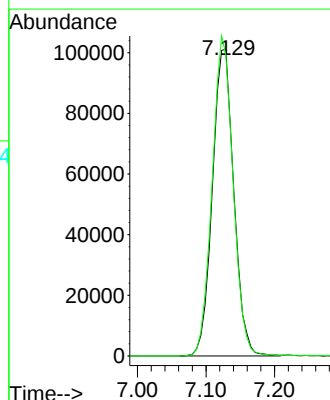
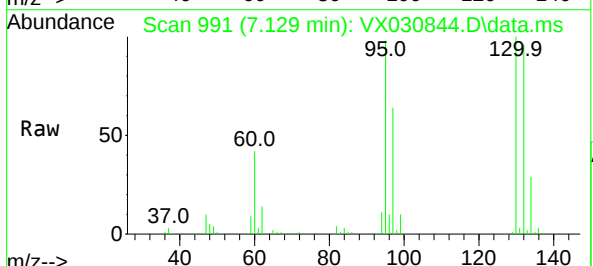
Acq: 27 Aug 2022 03:49

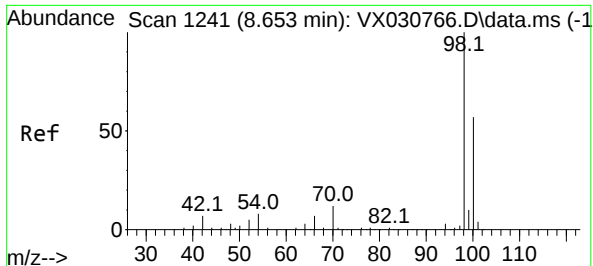
Tgt Ion:130 Resp: 219244

Ion Ratio Lower Upper

130 100

95 98.2 0.0 194.8





#50

Toluene-d8

Concen: 55.980 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX030844.D

Acq: 27 Aug 2022 03:49

Instrument :

MSVOA_X

ClientSampleId :

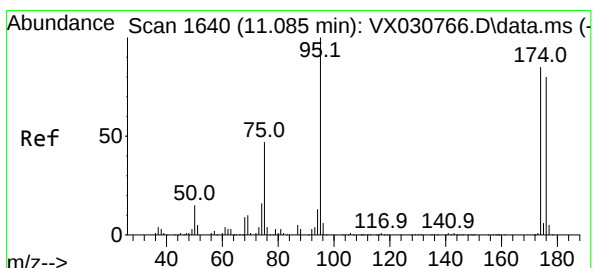
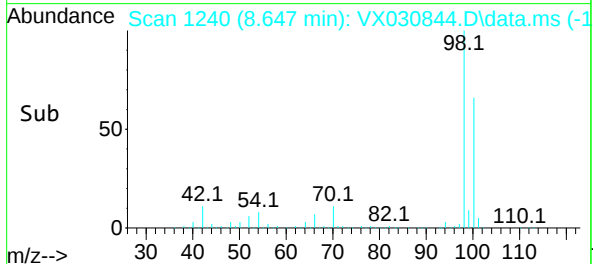
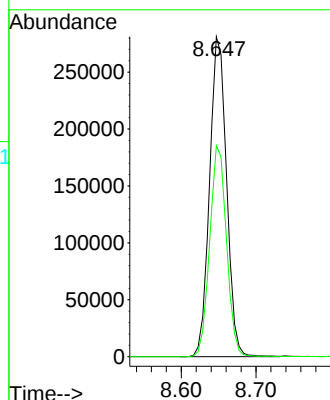
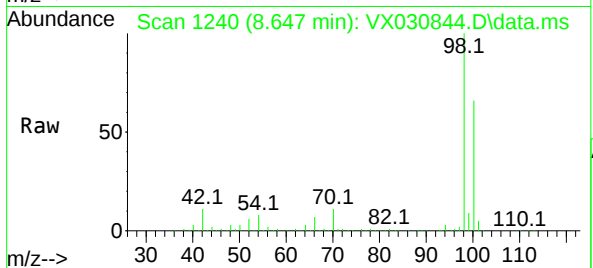
RE122D3-20220818

Tgt Ion: 98 Resp: 443364

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 51.573 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX030844.D

Acq: 27 Aug 2022 03:49

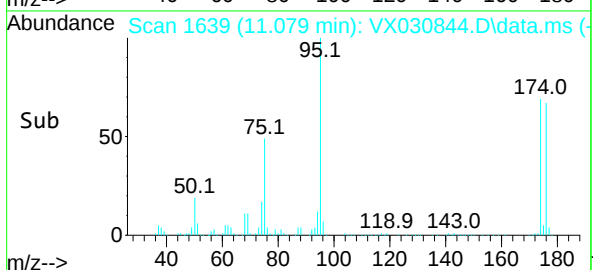
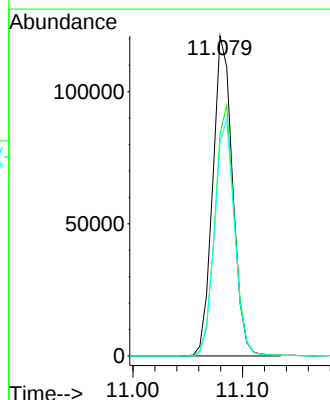
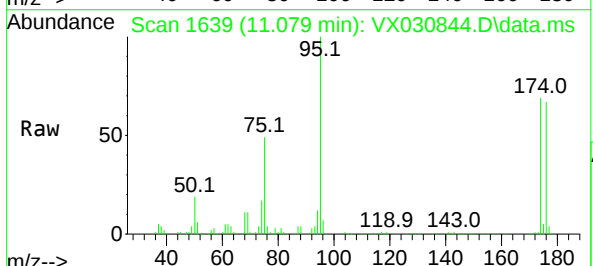
Tgt Ion: 95 Resp: 152070

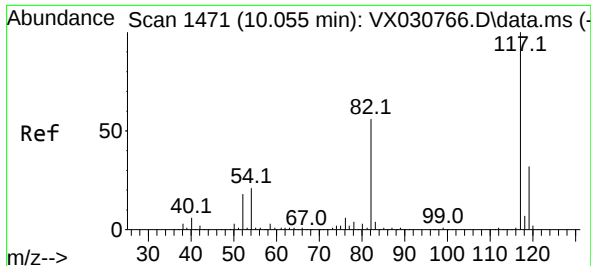
Ion Ratio Lower Upper

95 100

174 77.6 0.0 149.0

176 74.5 0.0 146.0

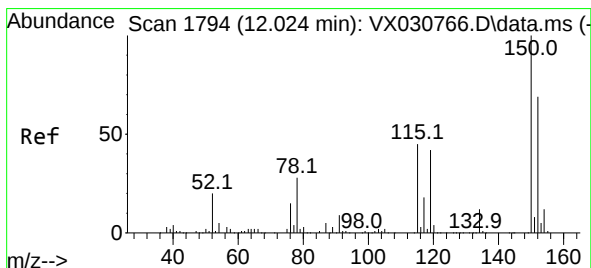
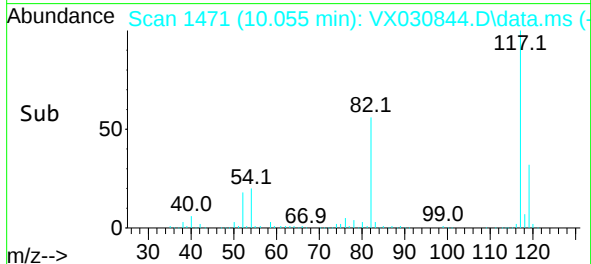
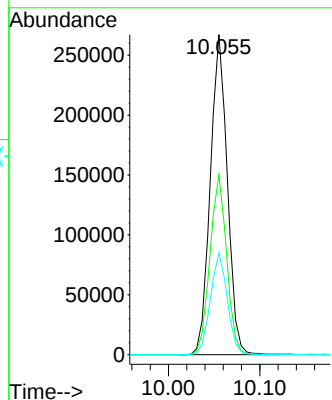
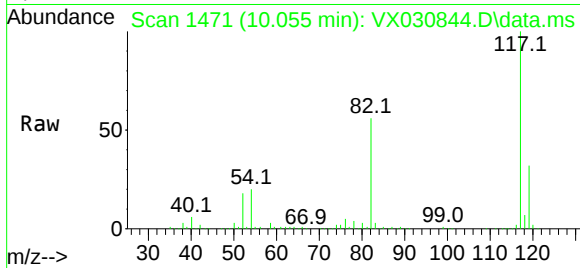




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

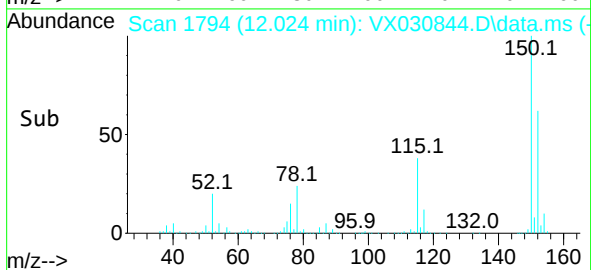
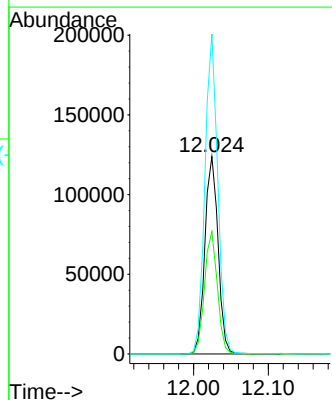
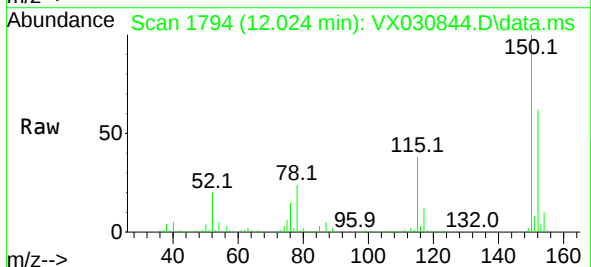
Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20220818

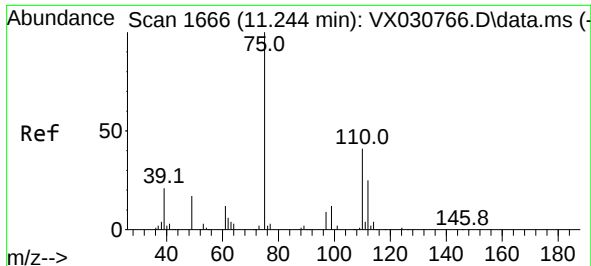
Tgt Ion:117 Resp: 344519
Ion Ratio Lower Upper
117 100
82 56.3 42.7 64.1
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion:152 Resp: 151698
Ion Ratio Lower Upper
152 100
115 60.4 40.5 121.5
150 157.8 0.0 347.0

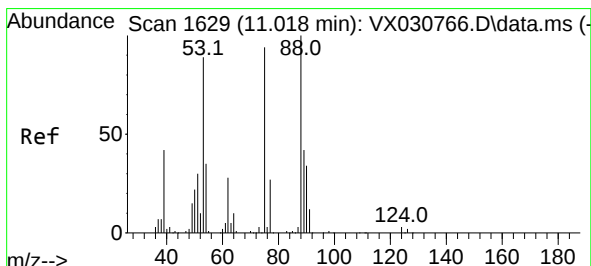
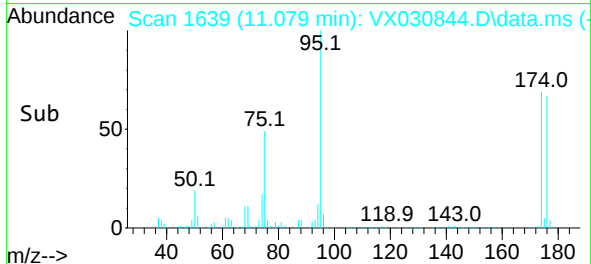
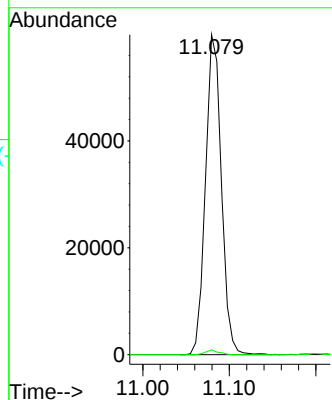
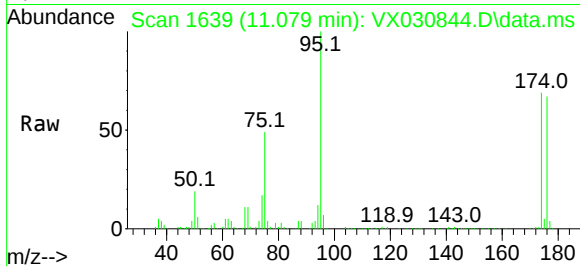




#76
1,2,3-Trichloropropane
Concen: 22.957 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Instrument :
MSVOA_X
ClientSampleId :
RE122D3-20220818

Tgt Ion: 75 Resp: 76297
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.068 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX030844.D
Acq: 27 Aug 2022 03:49

Tgt Ion: 75 Resp: 76297
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

