

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030739.D
 Acq On : 23 Aug 2022 18:02
 Operator : JC/MD
 Sample : N4245-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20220816

Quant Time: Sep 06 02:56:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 16:33:27 2022
 Response via : Initial Calibration

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

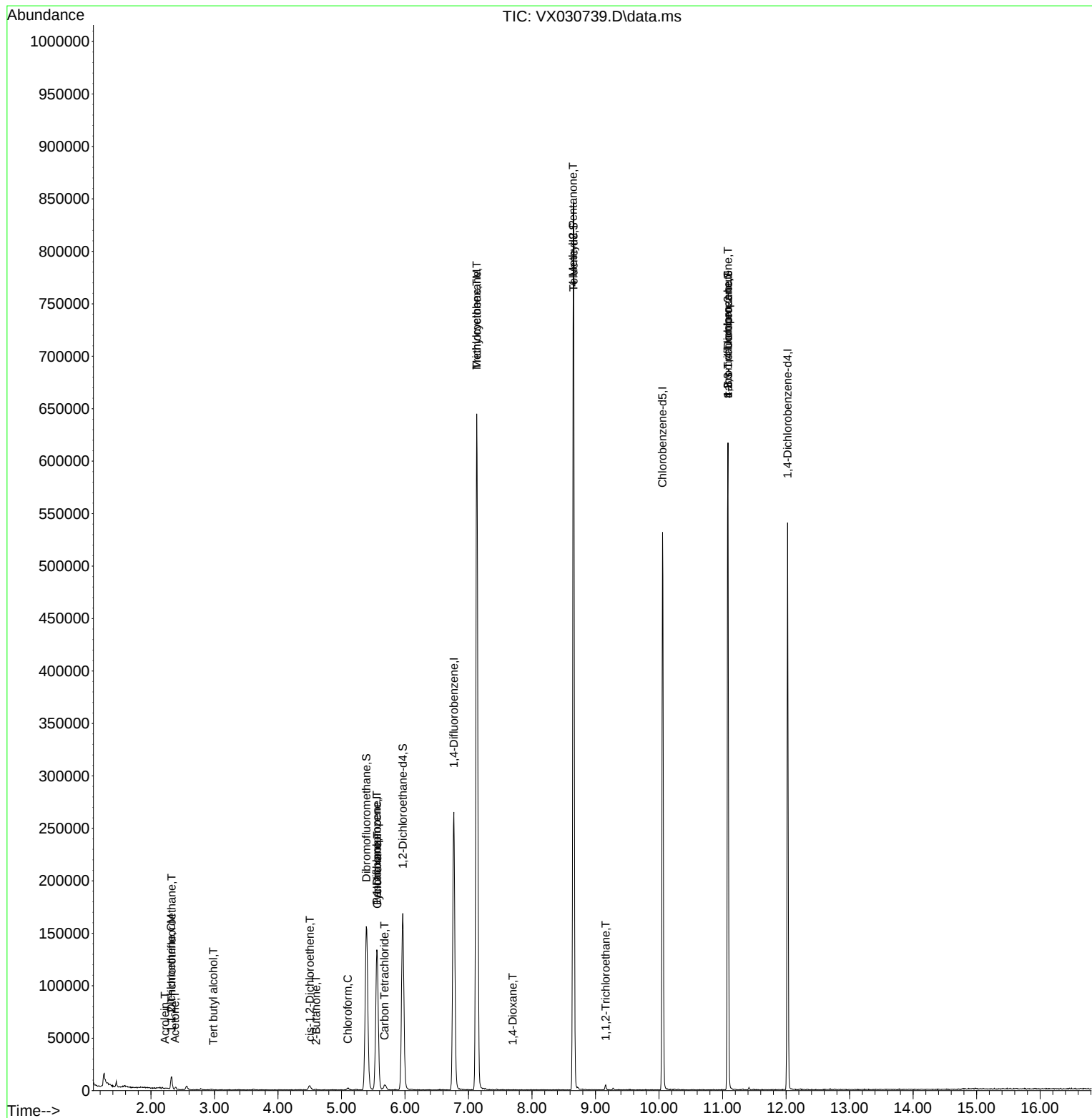
Internal Standards						
1) Pentafluorobenzene	5.556	168	126181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	280398	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	153656	60.586	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	121.180%
35) Dibromofluoromethane	5.391	113	144810	54.024	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.040%
50) Toluene-d8	8.653	98	518031	49.904	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.800%
62) 4-Bromofluorobenzene	11.085	95	176527	45.822	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.640%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	317	Below Cal	#	69
9) 1,1,2-Trichlorotrifluo...	2.325	101	2223	1.102	ug/l	94
11) Tert butyl alcohol	2.983	59	300	0.485	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	2968	1.506	ug/l	94
13) Acrolein	2.221	56	47	0.309	ug/l #	14
16) Acetone	2.380	43	2394	1.844	ug/l	96
20) Methylene Chloride	2.788	84	528	Below Cal	#	80
25) 2-Butanone	4.599	43	555	0.254	ug/l #	48
27) cis-1,2-Dichloroethene	4.501	96	2855	1.116	ug/l	91
30) Chloroform	5.099	83	1815	0.448	ug/l #	68
31) Cyclohexane	5.562	56	2332	0.633	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10479	2.717	ug/l #	49
38) Carbon Tetrachloride	5.678	117	4246	1.179	ug/l	97
39) Methylcyclohexane	7.129	83	2762	0.555	ug/l #	1
44) Trichloroethene	7.129	130	254632	76.782	ug/l	94
49) 1,4-Dioxane	7.696	88	45	0.494	ug/l #	7
51) 4-Methyl-2-Pentanone	8.647	43	1718	0.316	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	1413	0.448	ug/l #	81
67) Ethyl Benzene	10.195	91	118	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	82687	30.011	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	82687	90.031	ug/l #	13

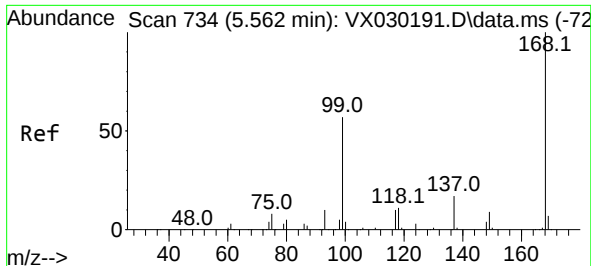
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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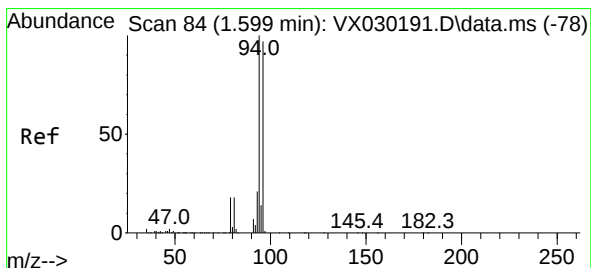
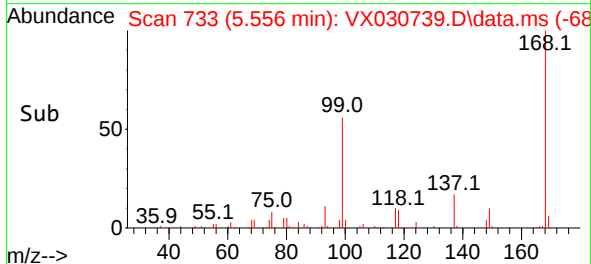
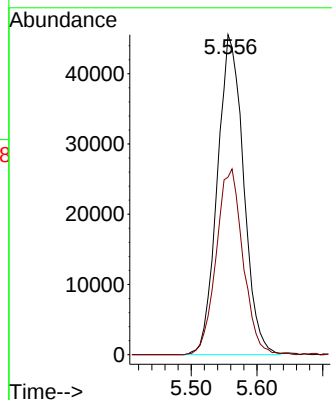
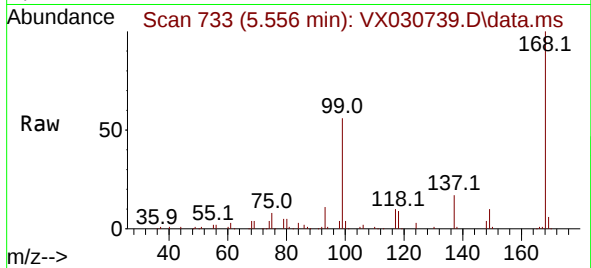




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

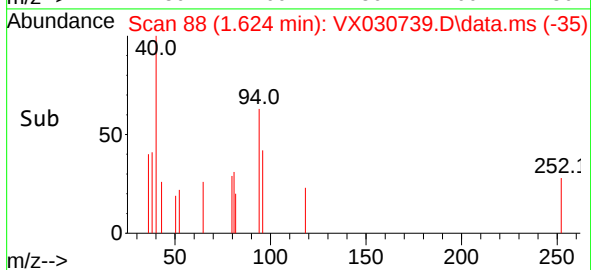
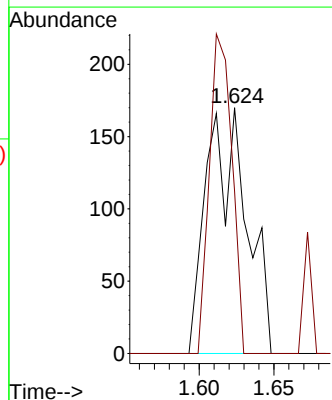
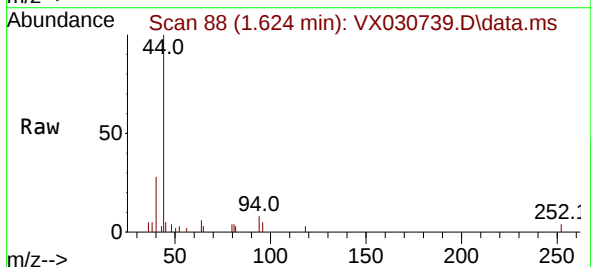
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

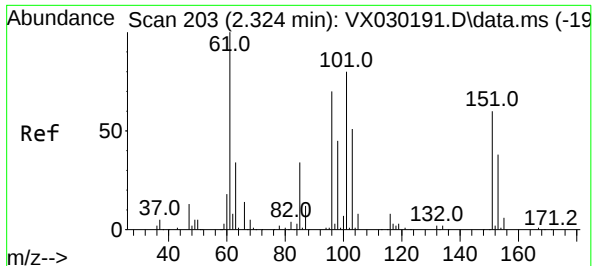
Tgt Ion:168 Resp: 126181
Ion Ratio Lower Upper
168 100
99 55.5 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 94 Resp: 317
Ion Ratio Lower Upper
94 100
96 65.9 76.9 115.3#

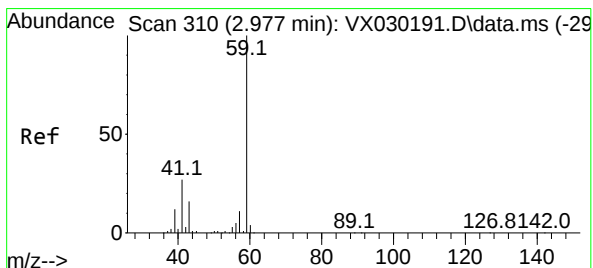
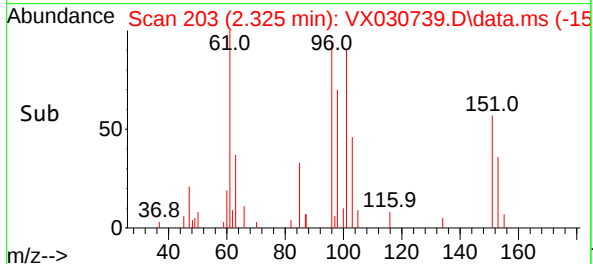
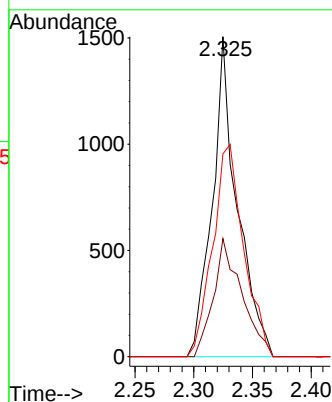
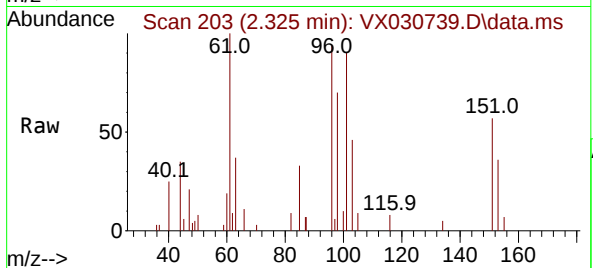




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.102 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.001 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

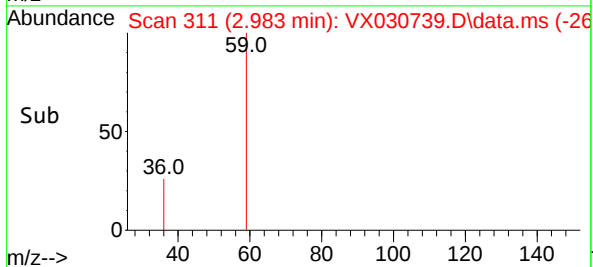
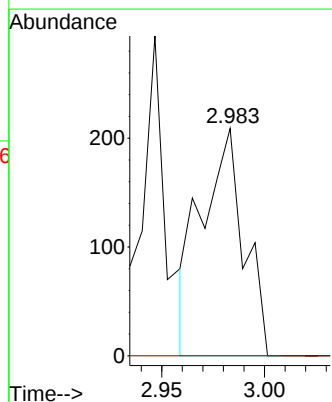
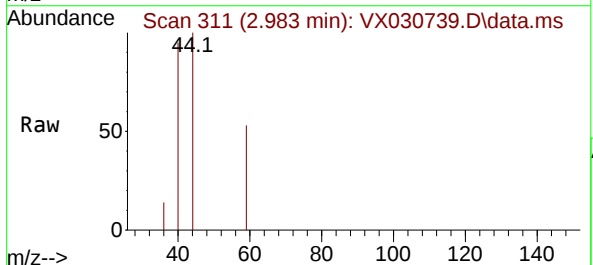
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

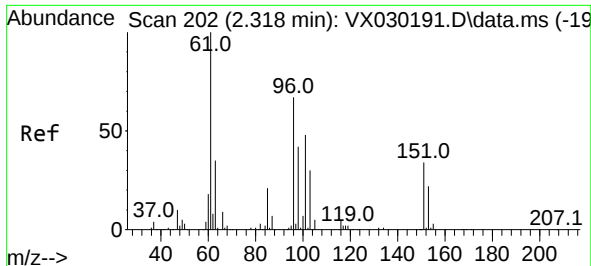
Tgt Ion:101 Resp: 2223
Ion Ratio Lower Upper
101 100
85 42.1 34.0 51.0
151 82.5 59.4 89.0



#11
Tert butyl alcohol
Concen: 0.485 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

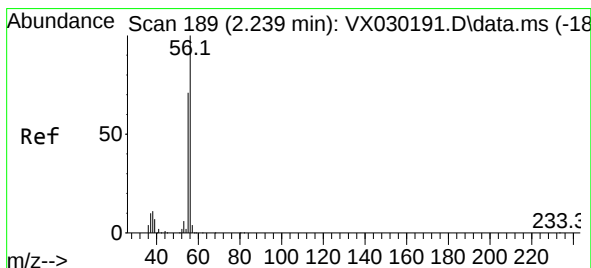
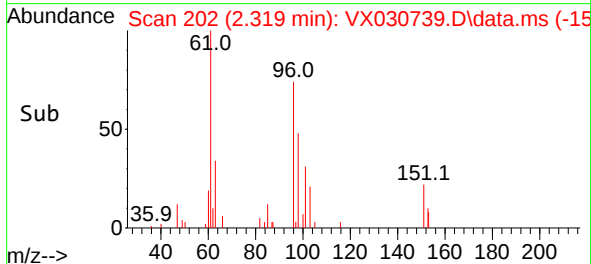
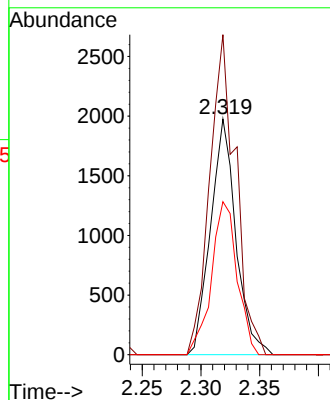
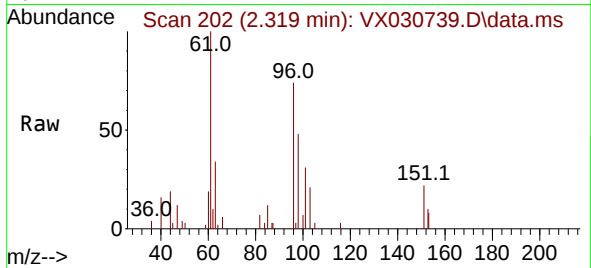




#12
1,1-Dichloroethene
Concen: 1.506 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

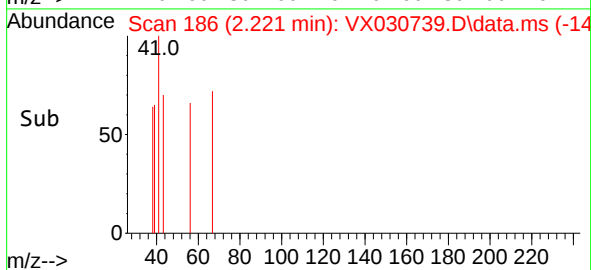
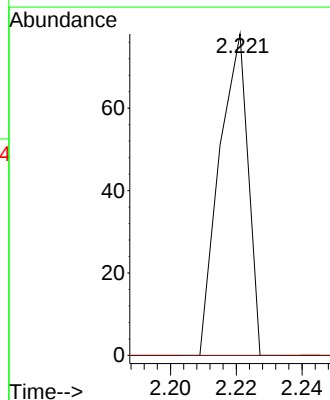
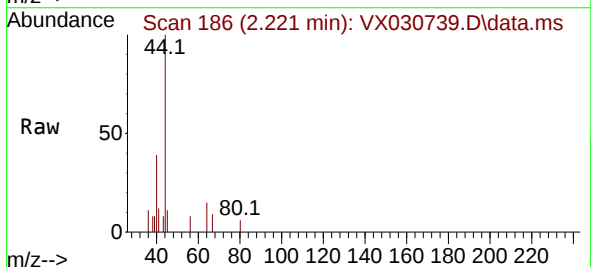
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

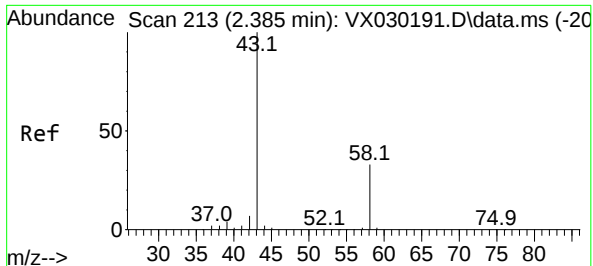
Tgt Ion: 96 Resp: 2968
Ion Ratio Lower Upper
96 100
61 135.8 117.4 176.0
98 64.9 52.2 78.4



#13
Acrolein
Concen: 0.309 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

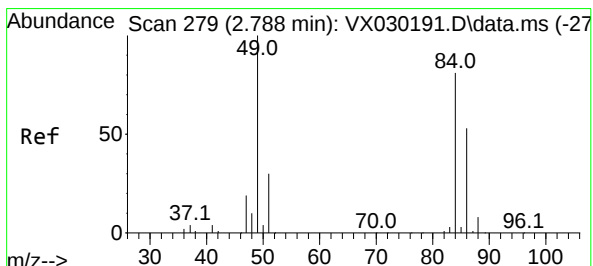
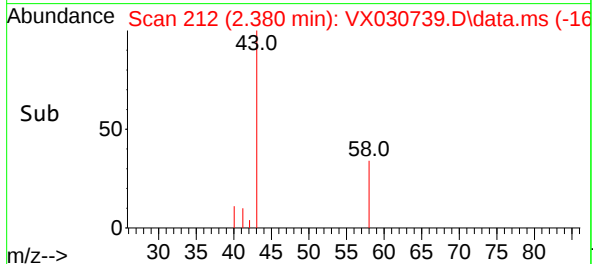
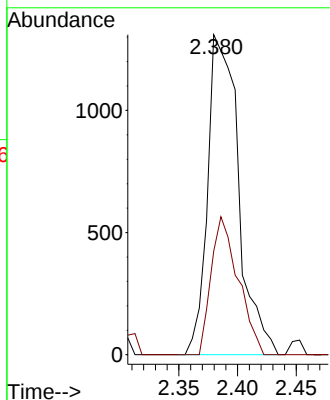
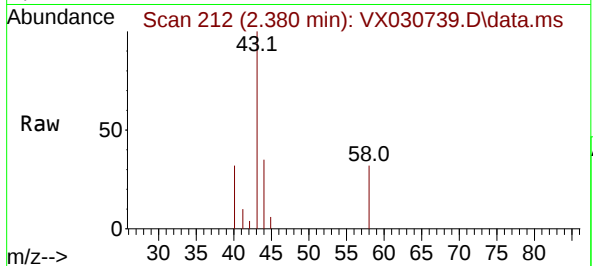




#16
Acetone
Concen: 1.844 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.005 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

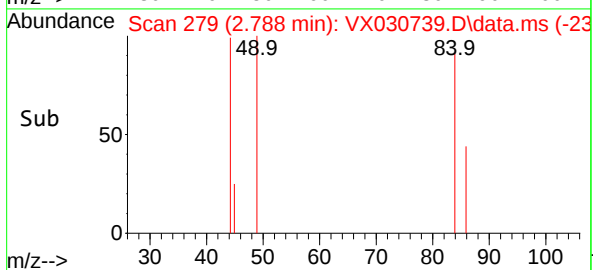
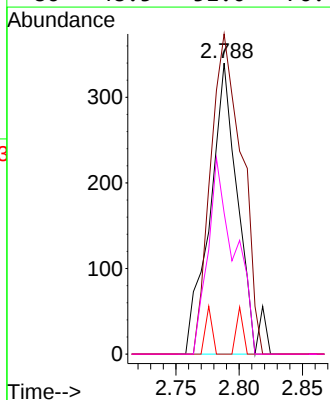
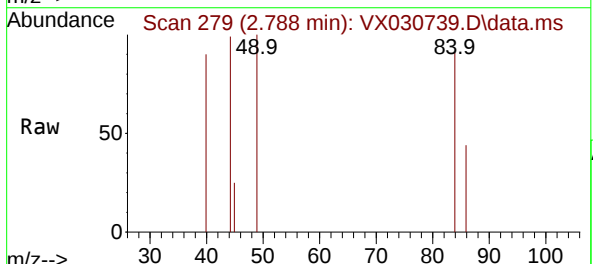
Instrument :
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ClientSampleId :
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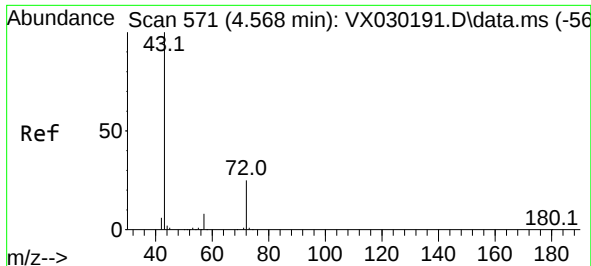
Tgt Ion: 43 Resp: 2394
Ion Ratio Lower Upper
43 100
58 32.4 27.7 41.5



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 84 Resp: 528
Ion Ratio Lower Upper
84 100
49 110.0 93.8 140.6
51 0.0 29.4 44.0#
86 48.5 51.0 76.4#

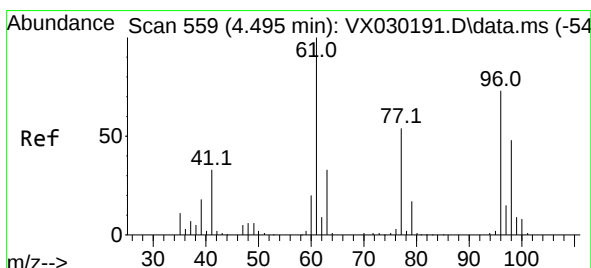
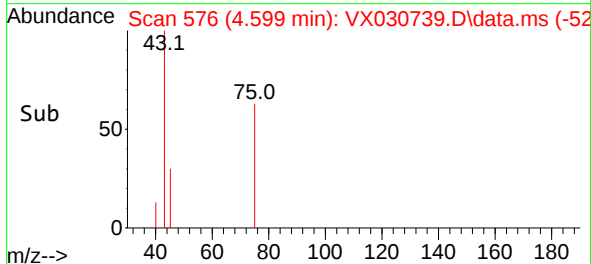
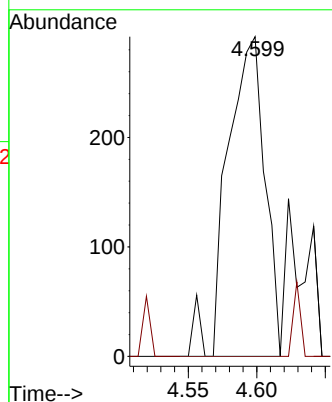
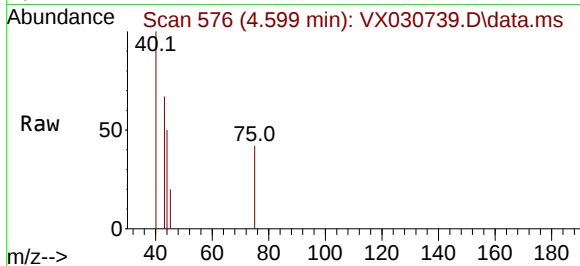




#25
2-Butanone
Concen: 0.254 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

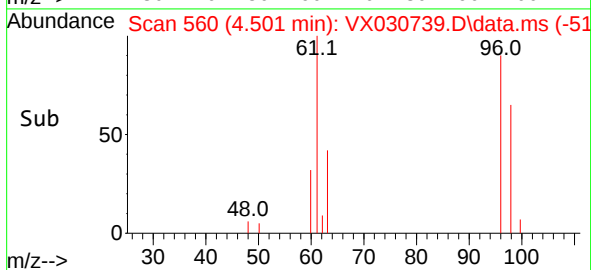
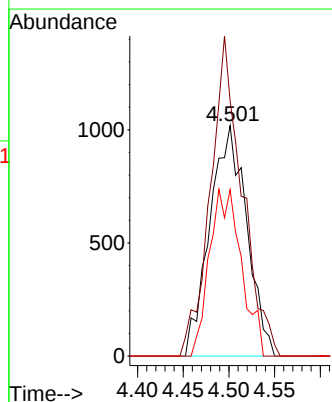
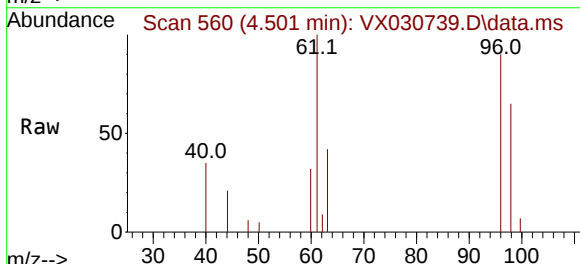
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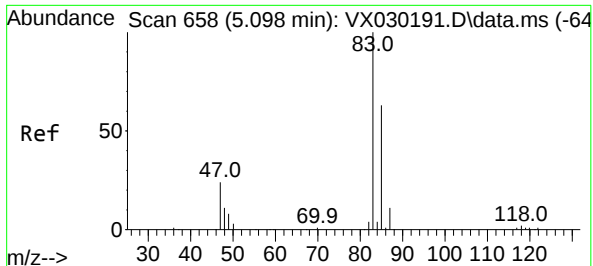
Tgt Ion: 43 Resp: 555
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#27
cis-1,2-Dichloroethene
Concen: 1.116 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 96 Resp: 2855
Ion Ratio Lower Upper
96 100
61 119.6 0.0 270.0
98 62.7 0.0 127.8





#30

Chloroform

Concen: 0.448 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.001 min

Lab File: VX030739.D

Acq: 23 Aug 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

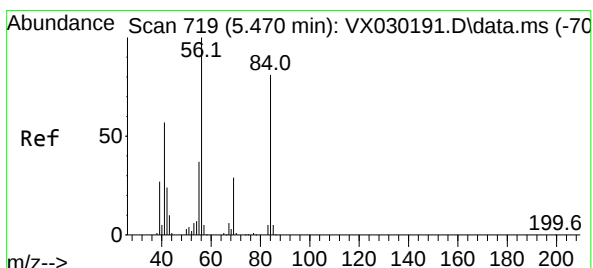
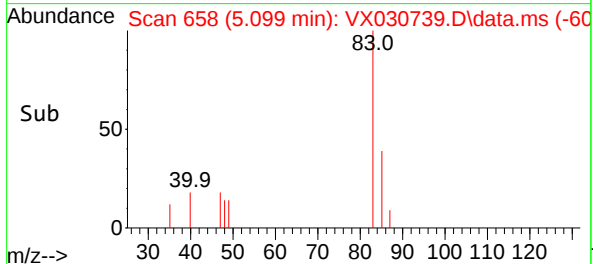
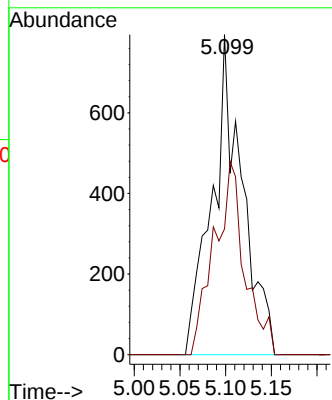
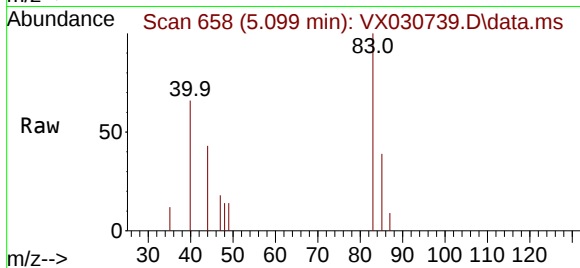
RE117D1-20220816

Tgt Ion: 83 Resp: 1815

Ion Ratio Lower Upper

83 100

85 39.3 51.5 77.3#



#31

Cyclohexane

Concen: 0.633 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX030739.D

Acq: 23 Aug 2022 18:02

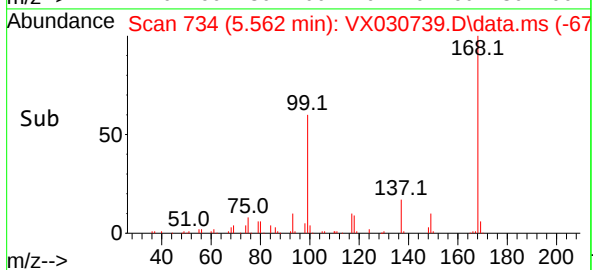
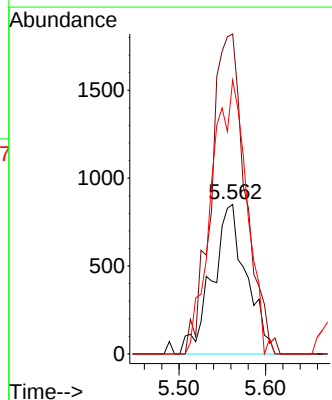
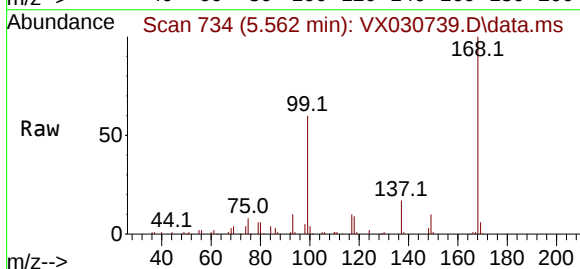
Tgt Ion: 56 Resp: 2332

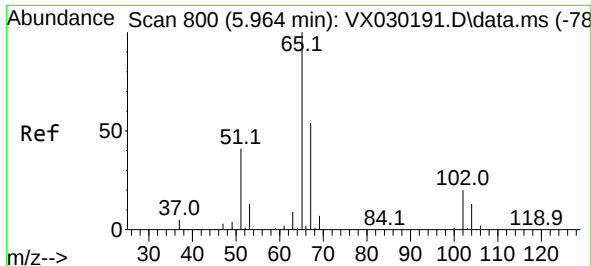
Ion Ratio Lower Upper

56 100

69 213.9 25.4 38.0#

84 183.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 60.586 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030739.D

Acq: 23 Aug 2022 18:02

Instrument :

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ClientSampleId :

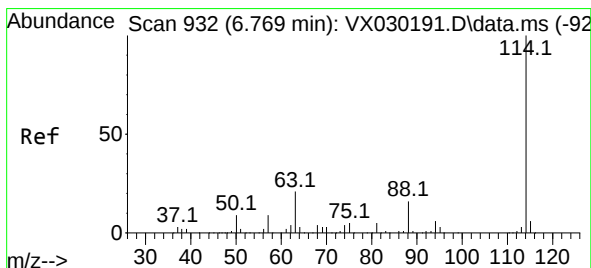
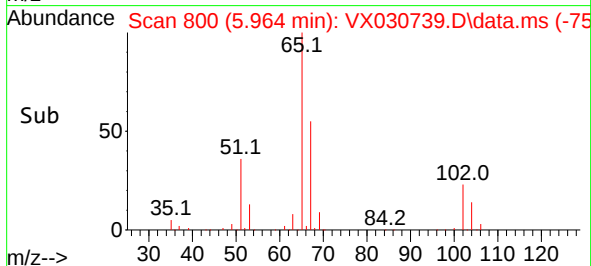
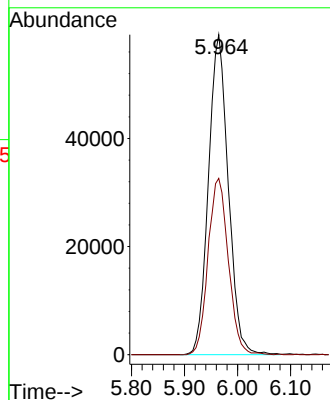
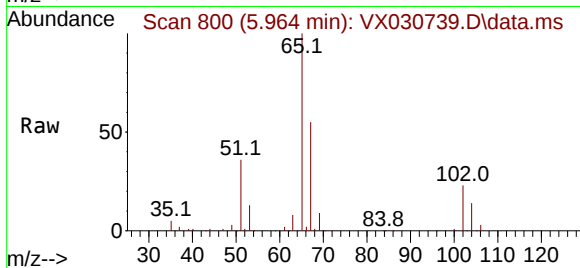
RE117D1-20220816

Tgt Ion: 65 Resp: 153656

Ion Ratio Lower Upper

65 100

67 56.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030739.D

Acq: 23 Aug 2022 18:02

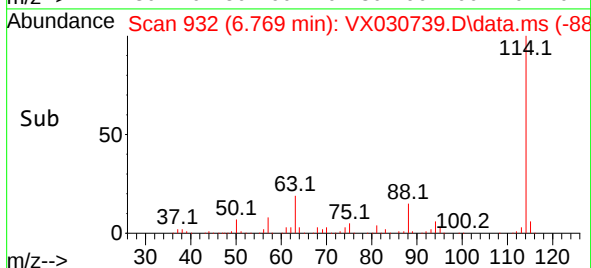
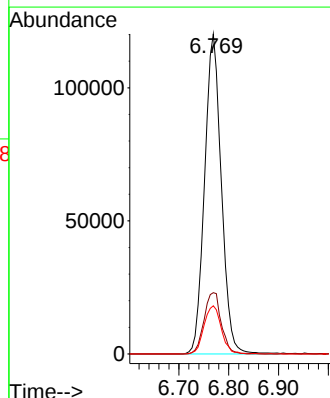
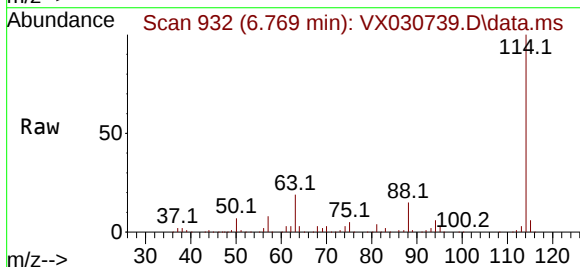
Tgt Ion: 114 Resp: 280398

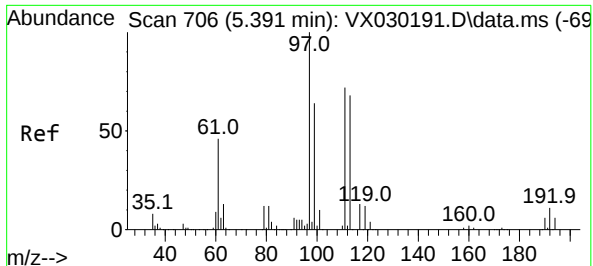
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 15.0 0.0 31.8

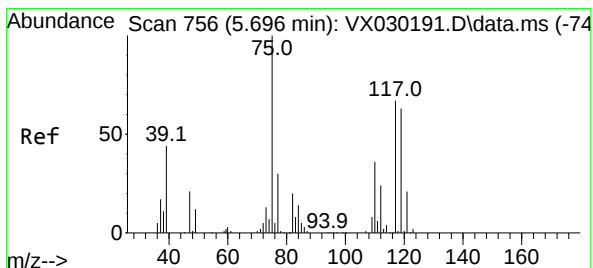
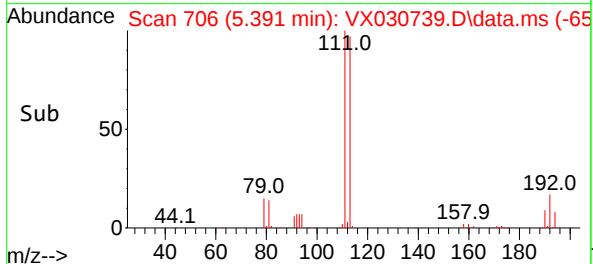
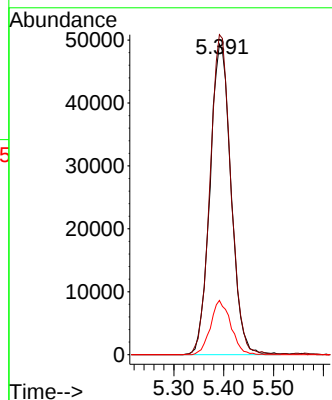
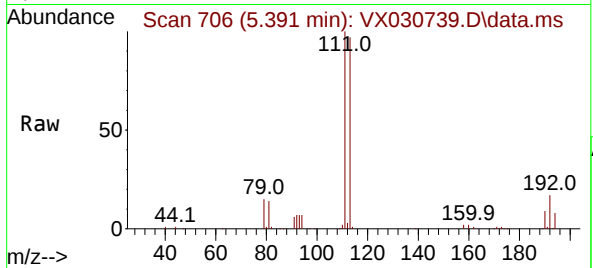




#35
Dibromofluoromethane
Concen: 54.024 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

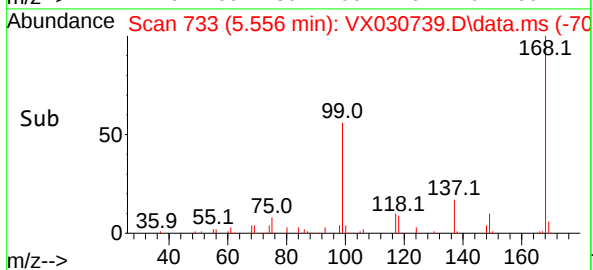
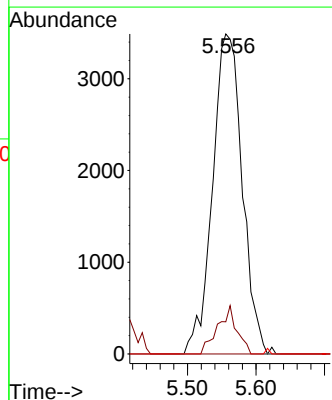
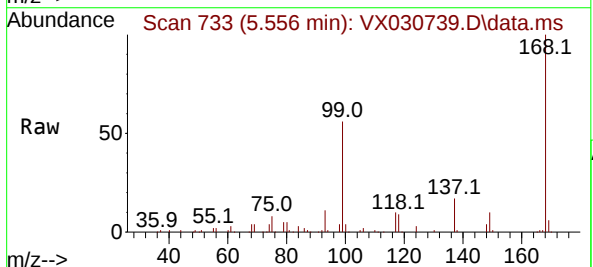
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

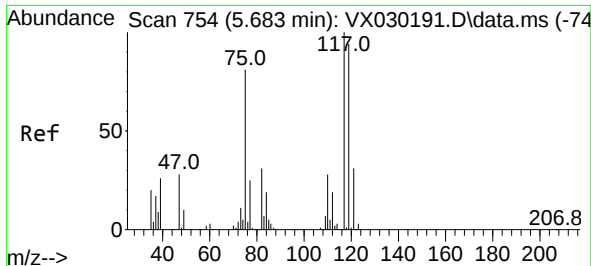
Tgt Ion:113 Resp: 144810
Ion Ratio Lower Upper
113 100
111 101.6 83.2 124.8
192 16.8 14.8 22.2



#36
1,1-Dichloropropene
Concen: 2.717 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 75 Resp: 10479
Ion Ratio Lower Upper
75 100
110 9.7 19.3 57.9#
77 0.0 24.4 36.6#

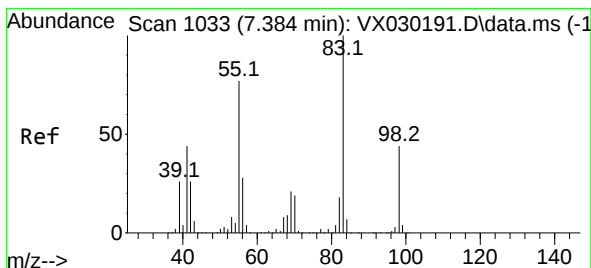
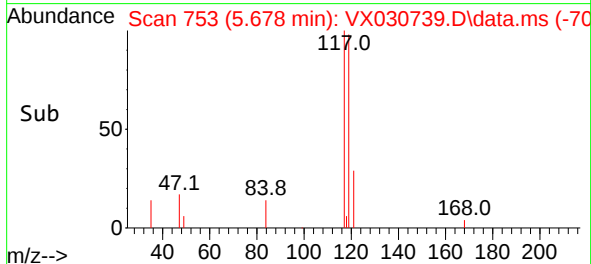
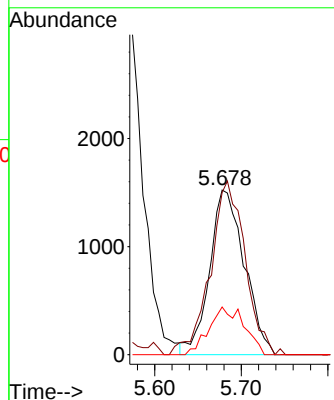
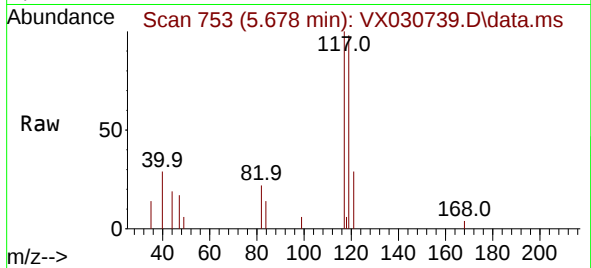




#38
Carbon Tetrachloride
Concen: 1.179 ug/l
RT: 5.678 min Scan# 71
Delta R.T. -0.005 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

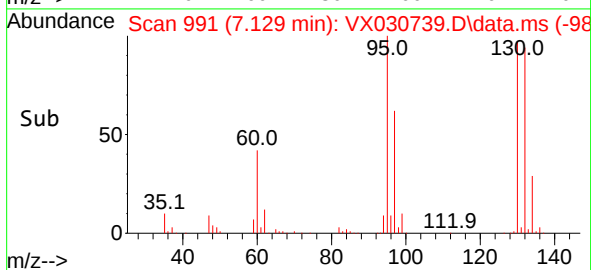
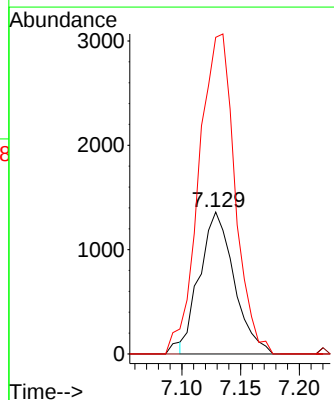
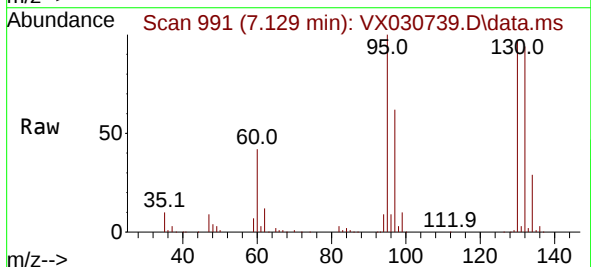
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

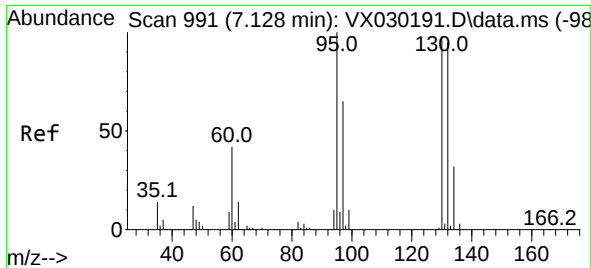
Tgt Ion:117 Resp: 4246
Ion Ratio Lower Upper
117 100
119 94.8 74.1 111.1
121 29.0 25.8 38.8



#39
Methylcyclohexane
Concen: 0.555 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.255 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 83 Resp: 2762
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 223.2 36.5 54.7#

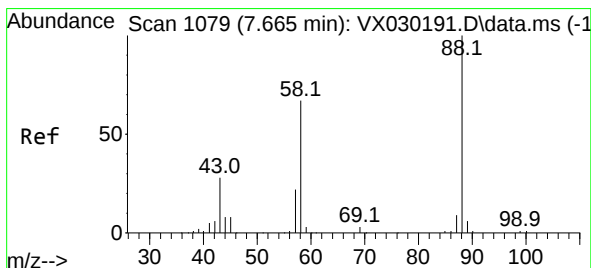
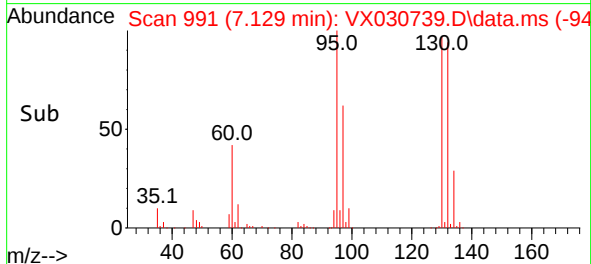
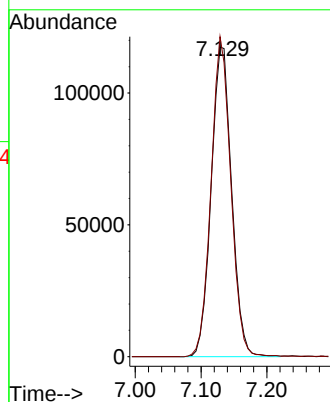
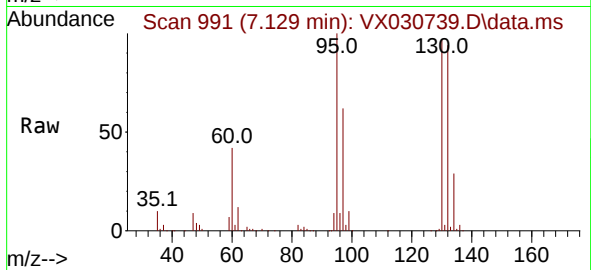




#44
Trichloroethene
Concen: 76.782 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.001 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

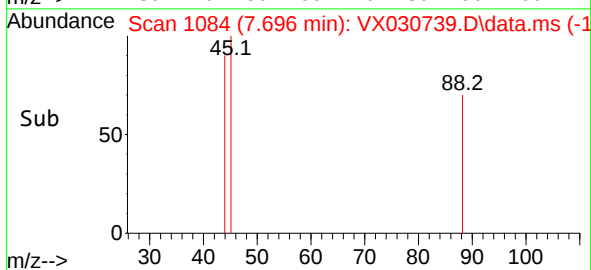
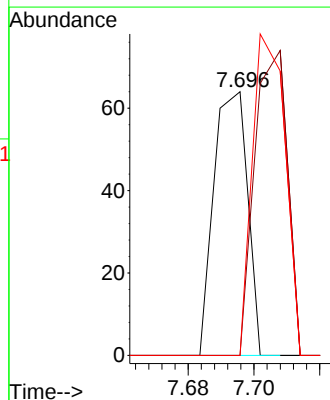
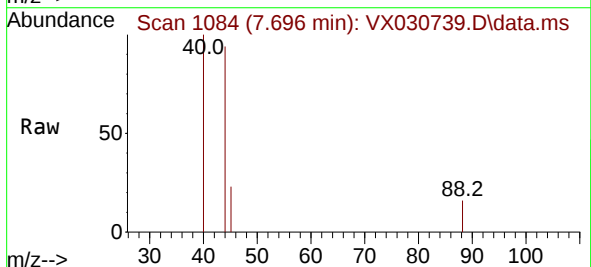
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

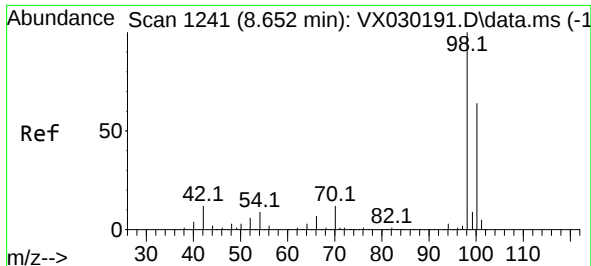
Tgt Ion:130 Resp: 254632
Ion Ratio Lower Upper
130 100
95 103.4 0.0 194.8



#49
1,4-Dioxane
Concen: 0.494 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.031 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 113.3 23.8 35.8#
58 120.0 53.8 80.6#

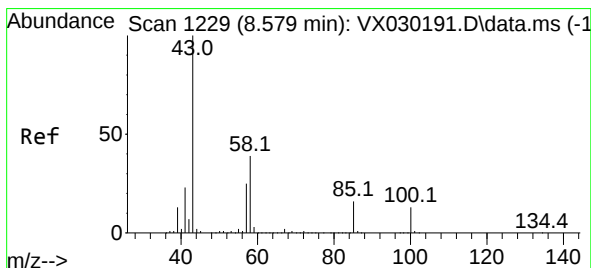
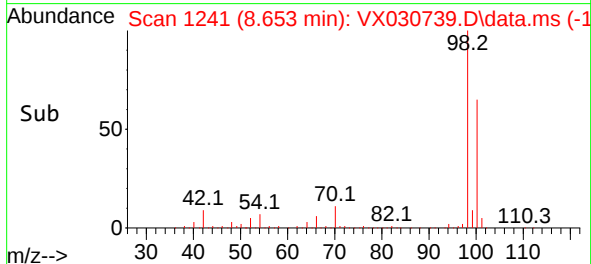
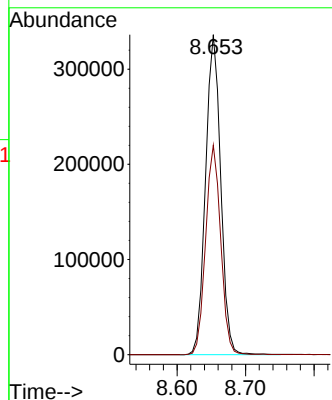
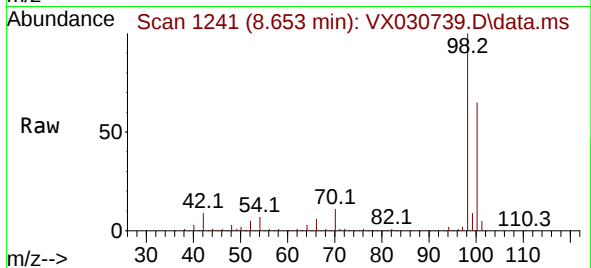




#50
Toluene-d8
Concen: 49.904 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

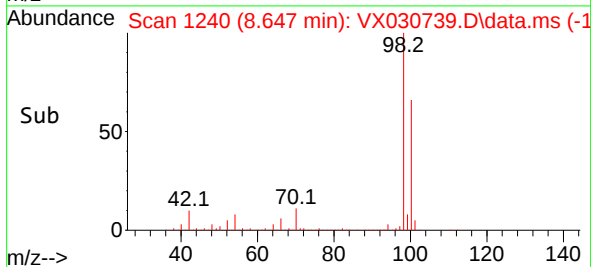
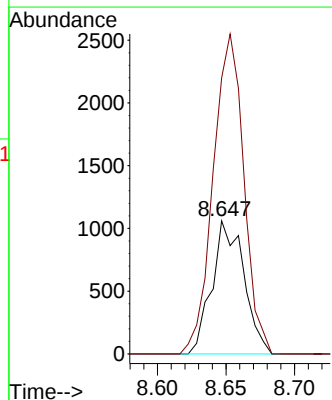
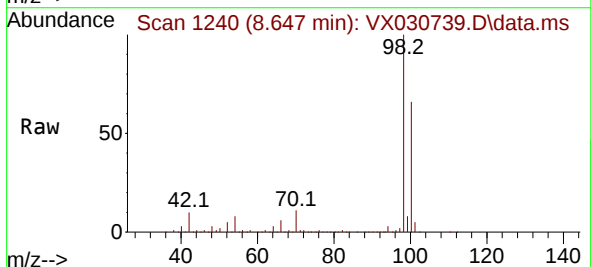
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

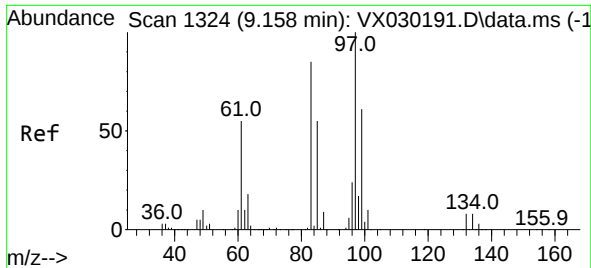
Tgt Ion: 98 Resp: 518031
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.316 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.068 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 43 Resp: 1718
Ion Ratio Lower Upper
43 100
58 231.0 31.4 47.2#



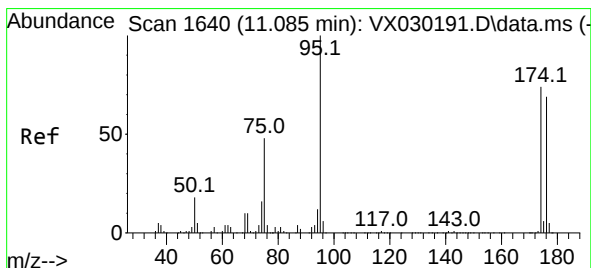
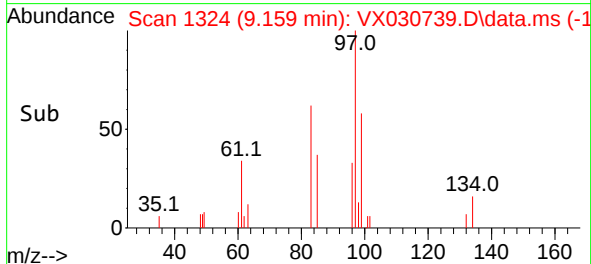
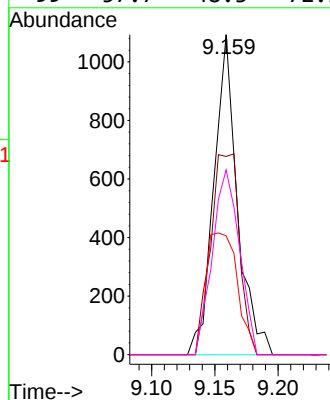
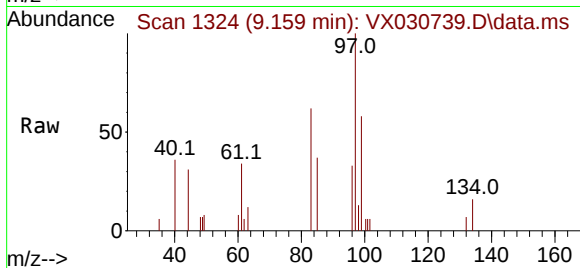


#55
 1,1,2-Trichloroethane
 Concen: 0.448 ug/l
 RT: 9.159 min Scan# 11
 Delta R.T. 0.001 min
 Lab File: VX030739.D
 Acq: 23 Aug 2022 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20220816

Tgt Ion: 97 Resp: 1413

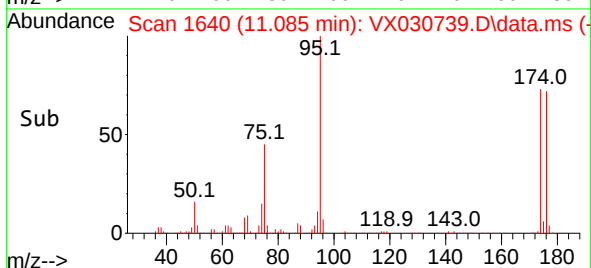
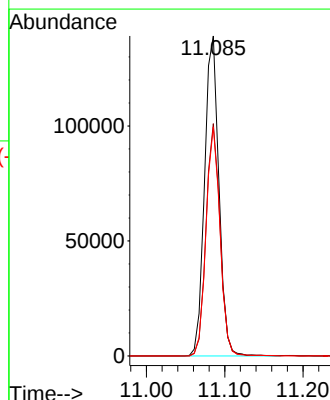
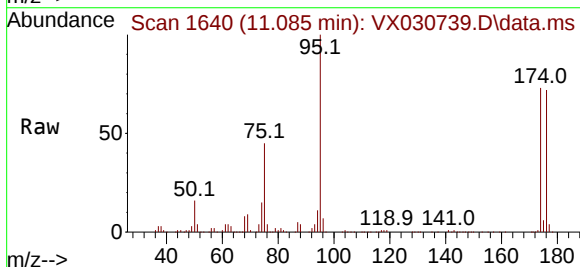
Ion	Ratio	Lower	Upper
97	100		
83	61.9	68.9	103.3#
85	37.1	44.0	66.0#
99	57.7	48.3	72.5

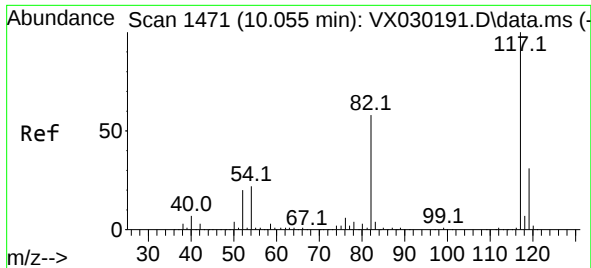


#62
 4-Bromofluorobenzene
 Concen: 45.822 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.000 min
 Lab File: VX030739.D
 Acq: 23 Aug 2022 18:02

Tgt Ion: 95 Resp: 176527

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	149.0
176	69.6	0.0	146.0

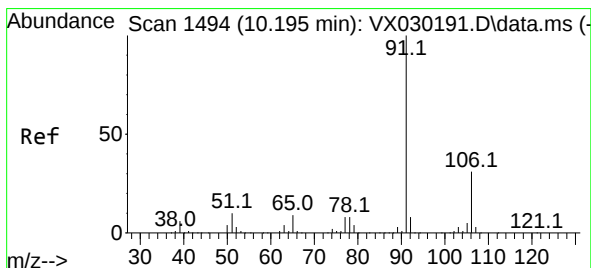
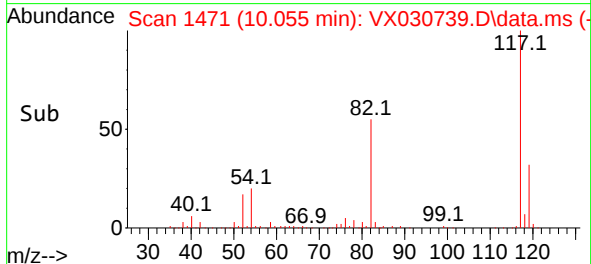
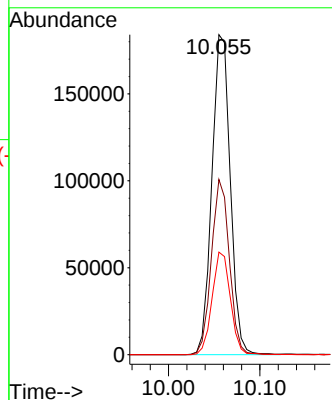
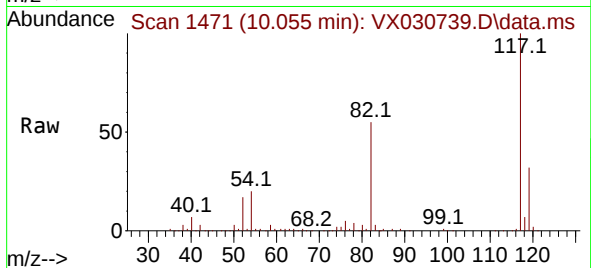




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

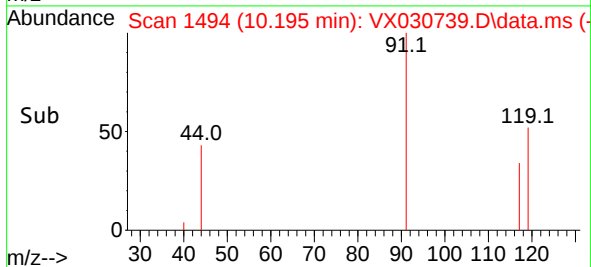
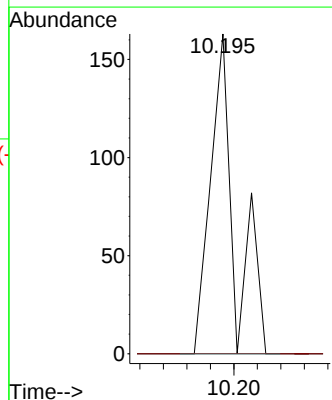
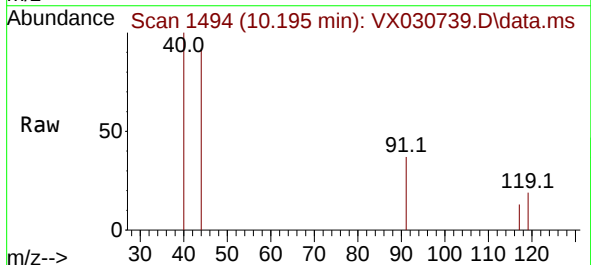
Instrument :
MSVOA_X
ClientSampleId :
RE117D1-20220816

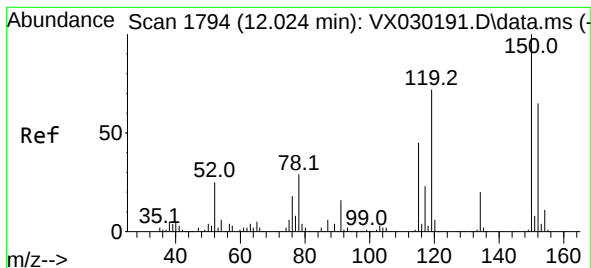
Tgt Ion:117 Resp: 256427
Ion Ratio Lower Upper
117 100
82 54.8 42.7 64.1
119 32.0 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030739.D
Acq: 23 Aug 2022 18:02

Tgt Ion: 91 Resp: 118
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030739.D

Acq: 23 Aug 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

RE117D1-20220816

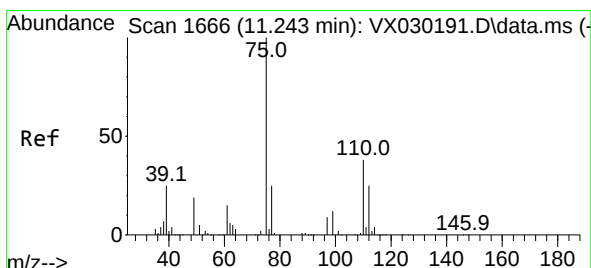
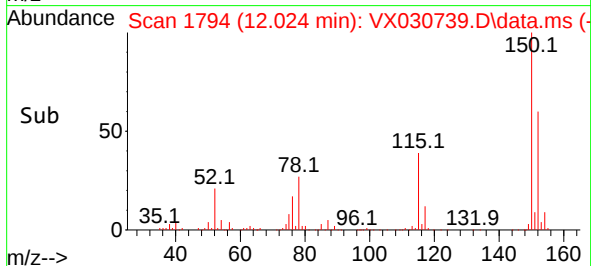
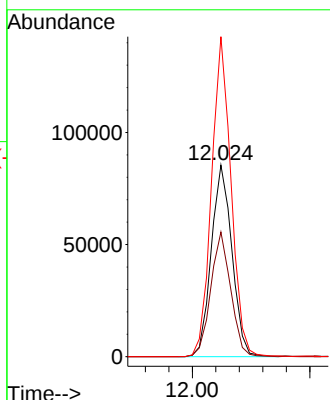
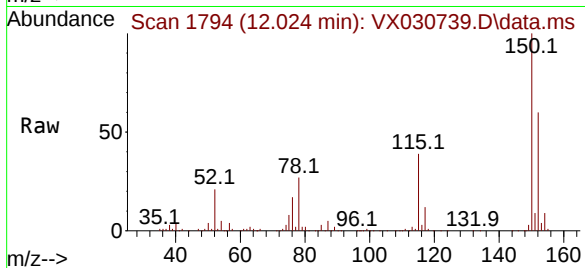
Tgt Ion:152 Resp: 104525

Ion Ratio Lower Upper

152 100

115 62.7 40.5 121.5

150 157.8 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 30.011 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.158 min

Lab File: VX030739.D

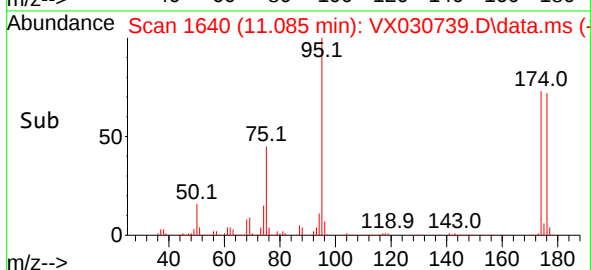
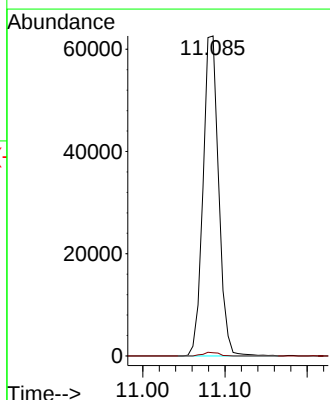
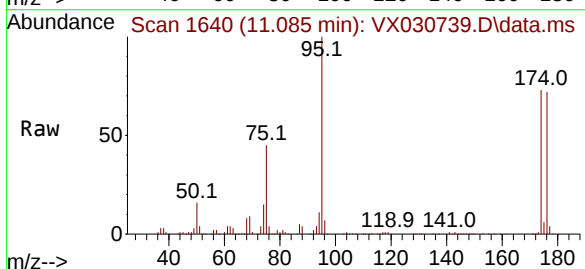
Acq: 23 Aug 2022 18:02

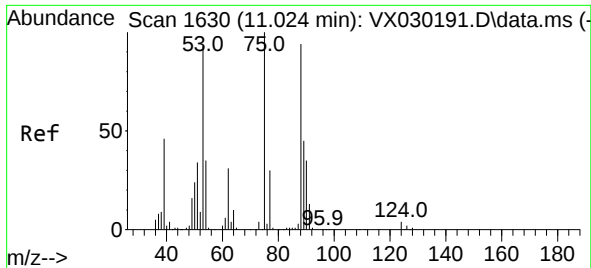
Tgt Ion: 75 Resp: 82687

Ion Ratio Lower Upper

75 100

77 1.2 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.031 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030739.D
 Acq: 23 Aug 2022 18:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RE117D1-20220816

Tgt Ion: 75 Resp: 82687
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

