

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031044.D
 Acq On : 02 Sep 2022 00:50
 Operator : JC/MD
 Sample : N4298-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20220822

Quant Time: Sep 02 02:57:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

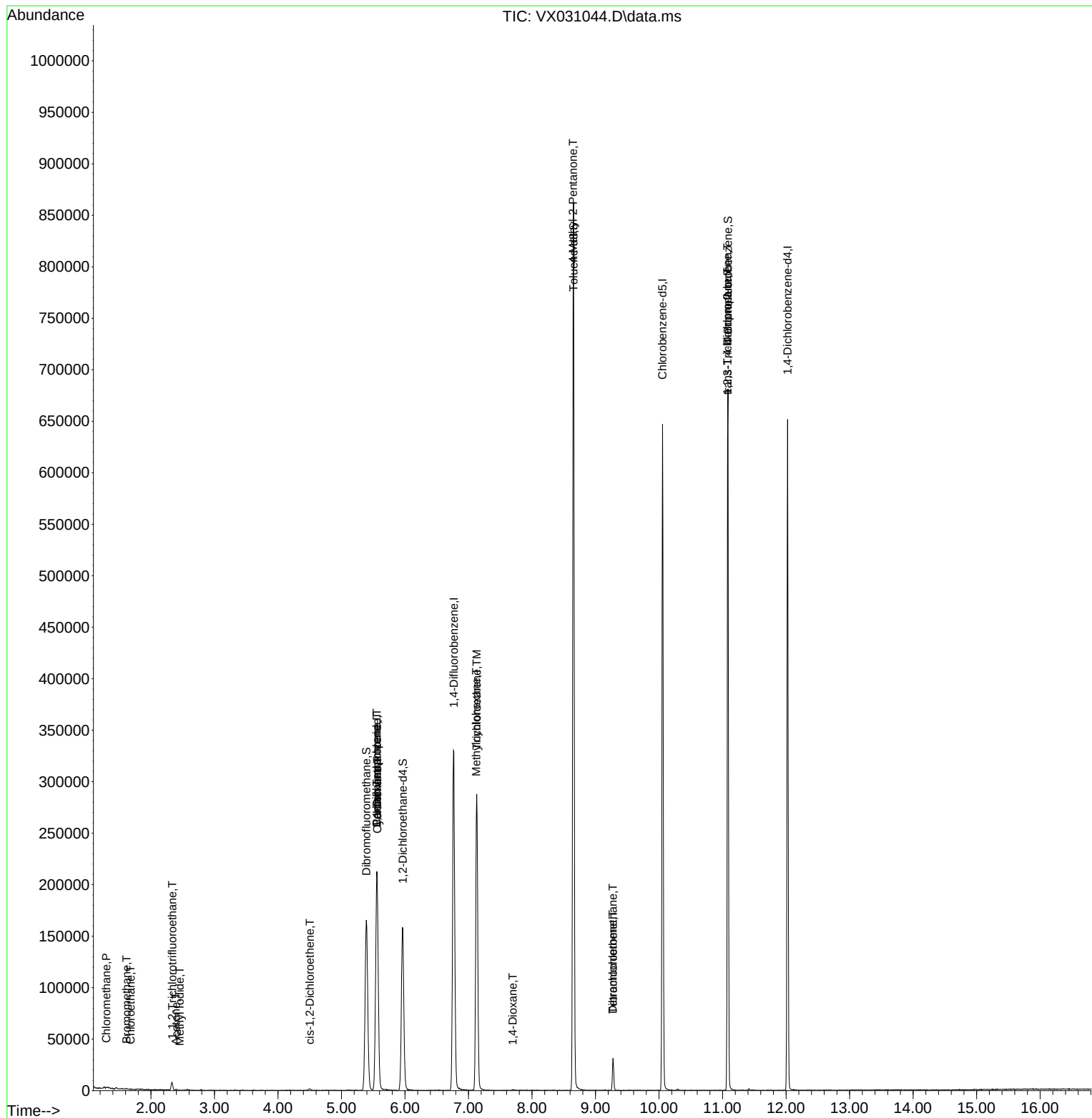
Internal Standards						
1) Pentafluorobenzene	5.556	168	215522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	364522	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	318128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	143751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155339	56.016	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	112.040%	
35) Dibromofluoromethane	5.391	113	149035	56.025	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	112.040%	
50) Toluene-d8	8.653	98	545124	55.680	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	111.360%	
62) 4-Bromofluorobenzene	11.085	95	183947	53.196	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	106.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	159	0.774	ug/l #	42
5) Bromomethane	1.618	94	289	0.279	ug/l #	2
6) Chloroethane	1.679	64	108	1.802	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.337	101	2473	0.954	ug/l #	70
10) Methyl Iodide	2.453	142	22	2.917	ug/l #	45
11) Tert butyl alcohol	2.971	59	61	Below Cal	#	74
16) Acetone	2.392	43	542	0.506	ug/l #	63
20) Methylene Chloride	2.794	84	267	Below Cal	#	70
27) cis-1,2-Dichloroethene	4.501	96	900	0.288	ug/l	92
31) Cyclohexane	5.562	56	3503	0.925	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14762	3.962	ug/l #	45
38) Carbon Tetrachloride	5.556	117	20342	5.259	ug/l #	16
39) Methylcyclohexane	7.123	83	1316	0.285	ug/l #	1
44) Trichloroethene	7.129	130	126368	37.320	ug/l	94
49) 1,4-Dioxane	7.696	88	749	9.640	ug/l #	65
51) 4-Methyl-2-Pentanone	8.647	43	1829	0.562	ug/l #	1
60) Dibromochloromethane	9.275	129	6283	2.052	ug/l #	11
64) Tetrachloroethene	9.275	164	6326	1.992	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	83961	24.708	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	83961	77.650	ug/l #	12

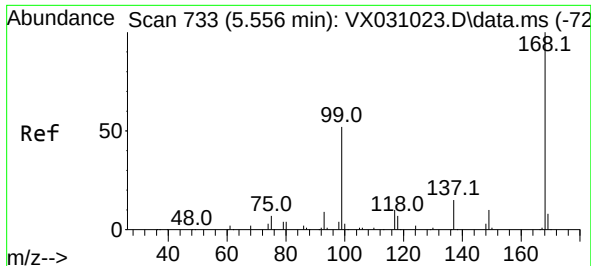
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
RE104D1-20220822

Quant Time: Sep 02 02:57:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

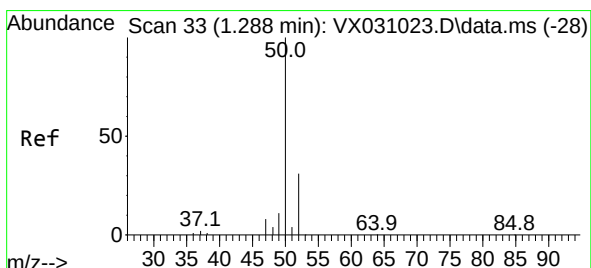
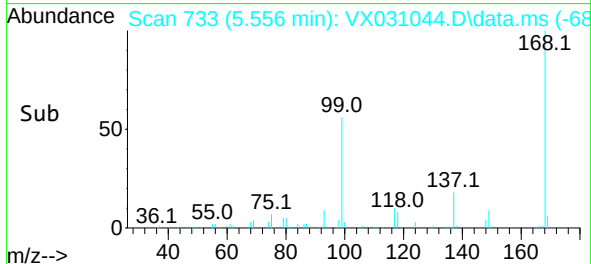
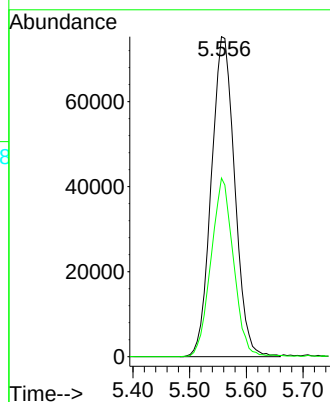
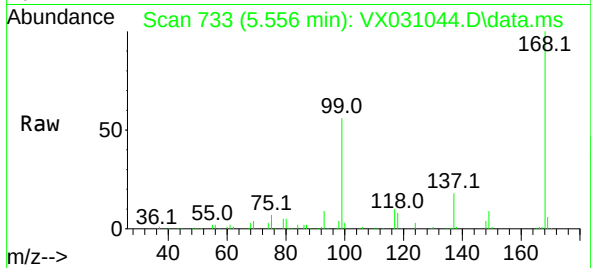




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

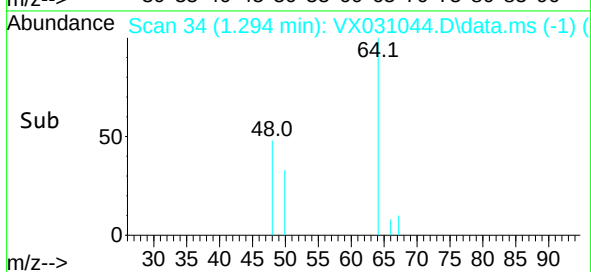
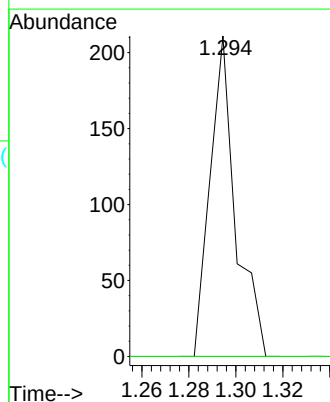
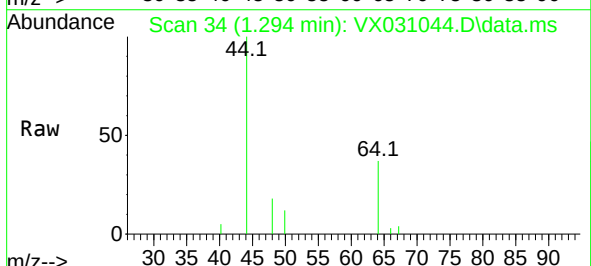
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20220822

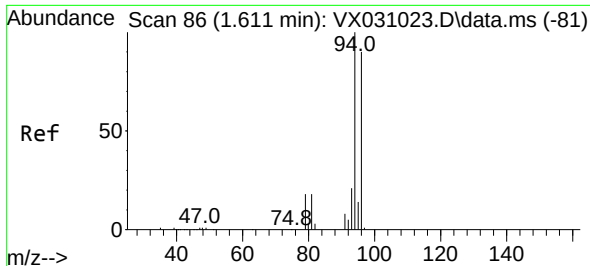
Tgt Ion:168 Resp: 215522
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#3
Chloromethane
Concen: 0.774 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

Tgt Ion: 50 Resp: 159
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

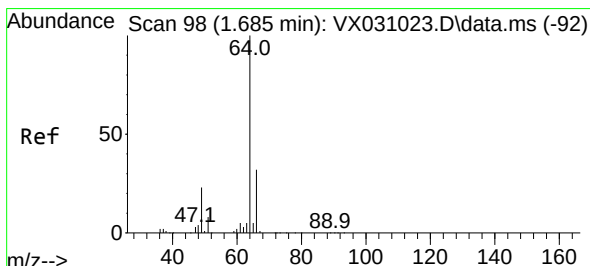
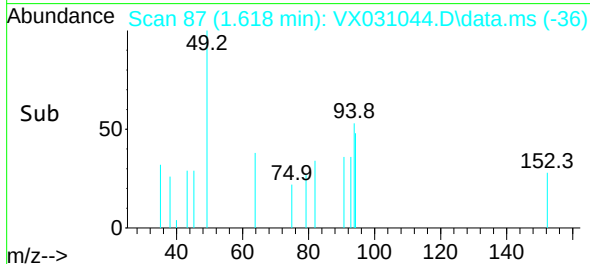
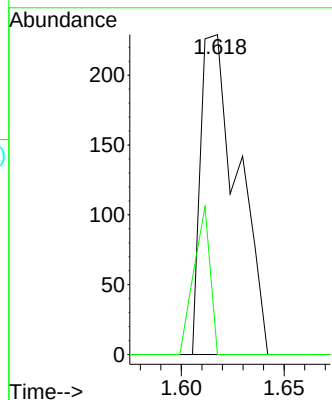
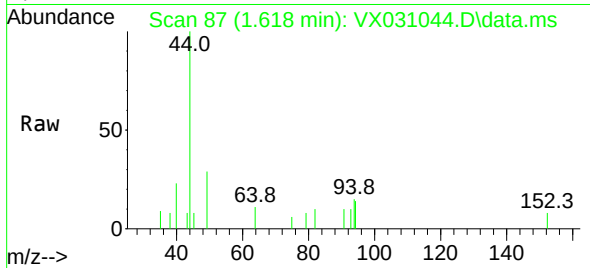




#5
Bromomethane
Concen: 0.279 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

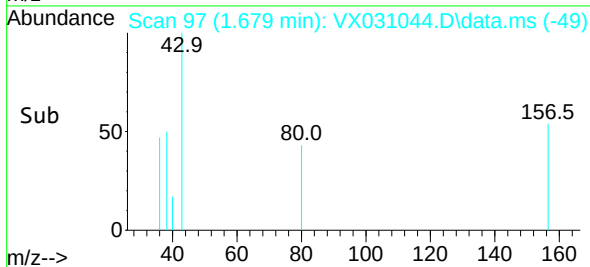
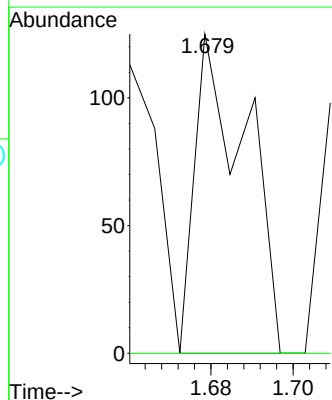
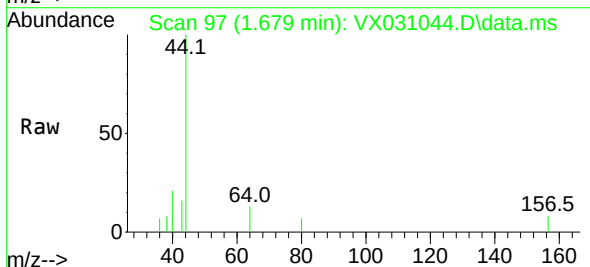
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20220822

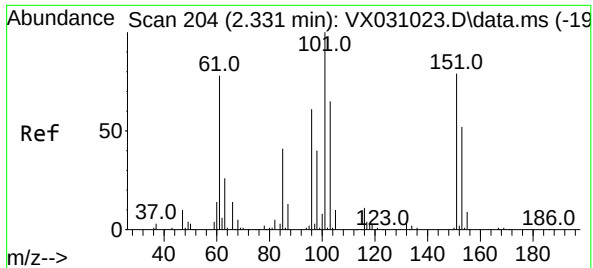
Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#



#6
Chloroethane
Concen: 1.802 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

Tgt Ion: 64 Resp: 108
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

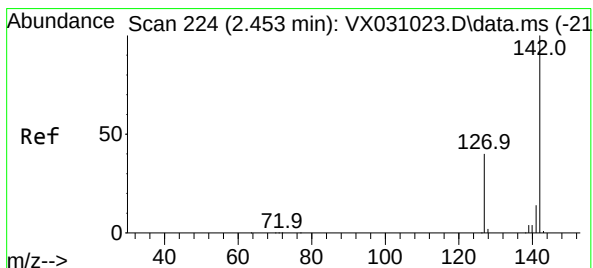
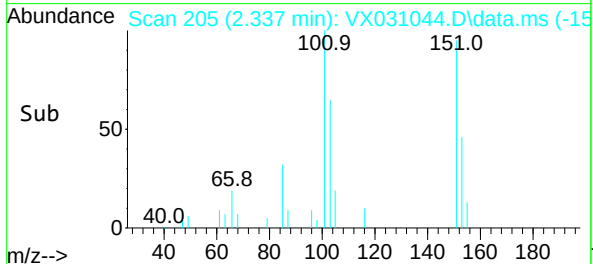
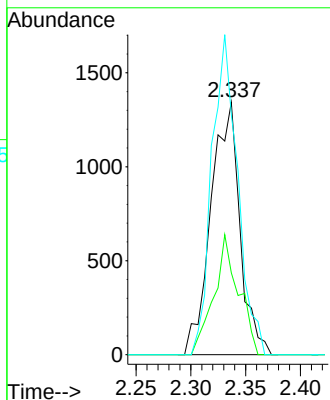
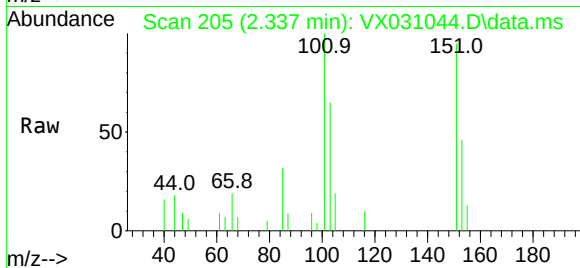




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.954 ug/l
 RT: 2.337 min Scan# 204
 Delta R.T. 0.012 min
 Lab File: VX031044.D
 Acq: 02 Sep 2022 00:50

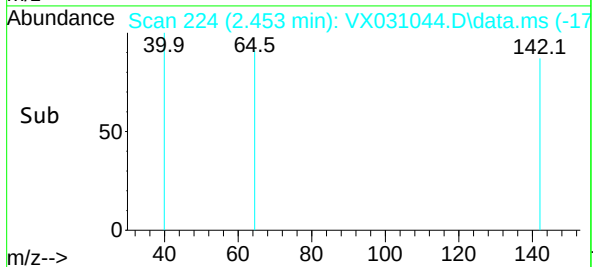
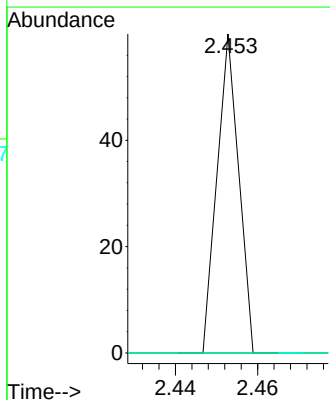
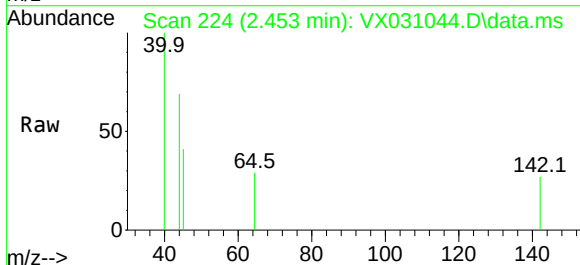
Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D1-20220822

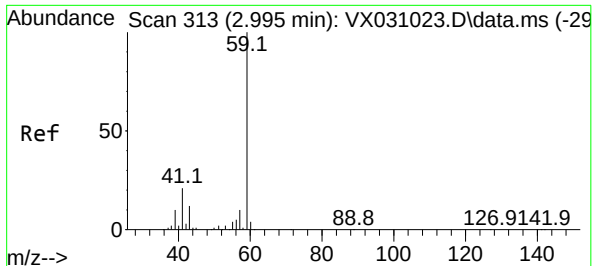
Tgt Ion:101 Resp: 2473
 Ion Ratio Lower Upper
 101 100
 85 40.5 34.0 51.0
 151 112.7 59.4 89.0#



#10
 Methyl Iodide
 Concen: 2.917 ug/l
 RT: 2.453 min Scan# 224
 Delta R.T. -0.000 min
 Lab File: VX031044.D
 Acq: 02 Sep 2022 00:50

Tgt Ion:142 Resp: 22
 Ion Ratio Lower Upper
 142 100
 127 0.0 30.2 45.2#
 141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.971 min Scan# 309

Delta R.T. -0.018 min

Lab File: VX031044.D

Acq: 02 Sep 2022 00:50

Instrument :

MSVOA_X

ClientSampleId :

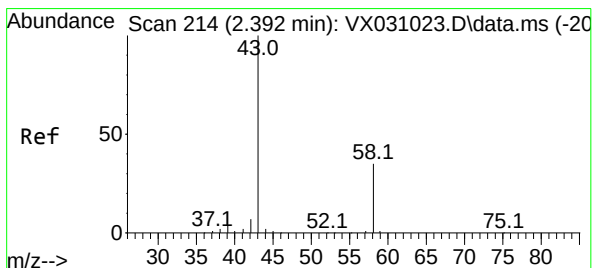
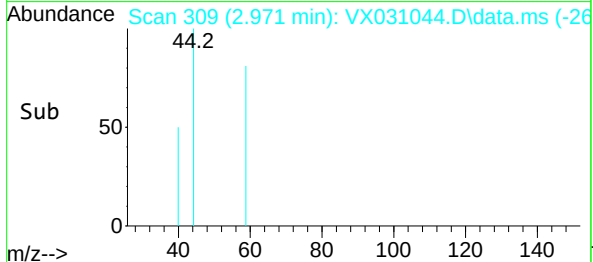
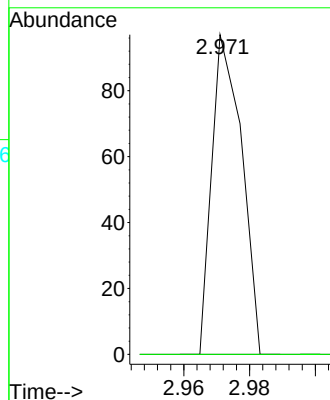
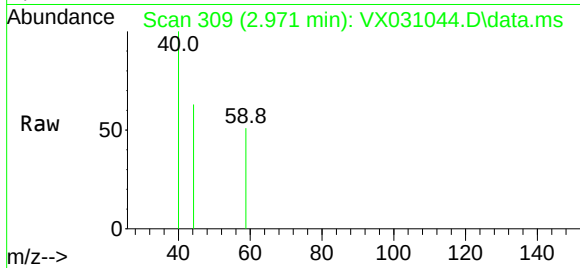
RE104D1-20220822

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 0.506 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031044.D

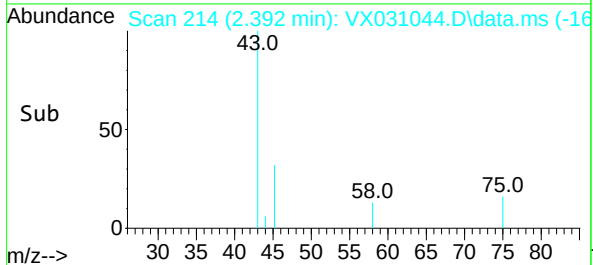
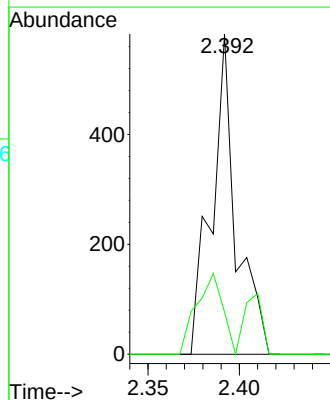
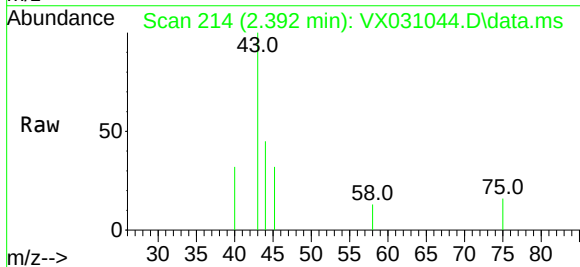
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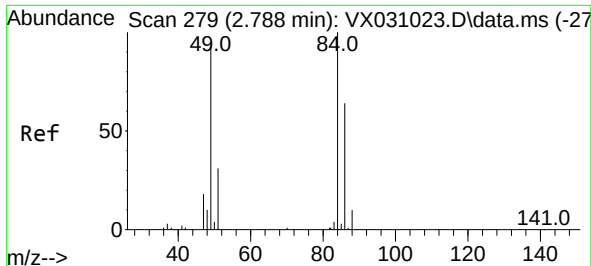
Tgt Ion: 43 Resp: 542

Ion Ratio Lower Upper

43 100

58 13.2 27.7 41.5#

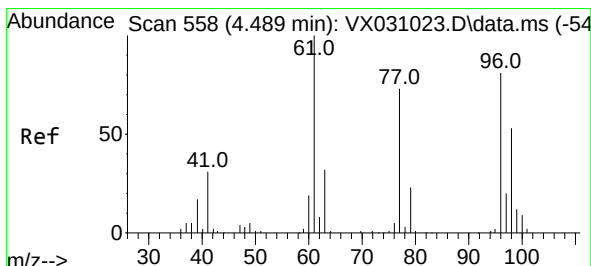
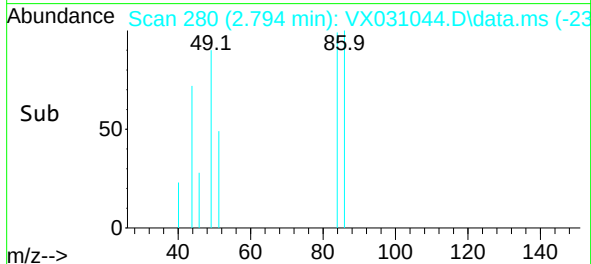
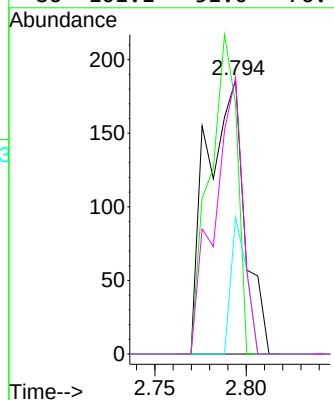
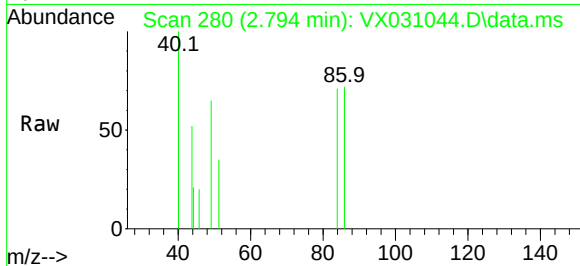




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

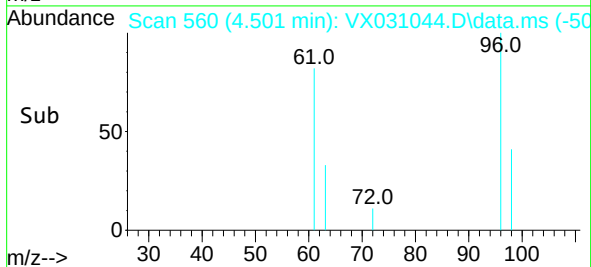
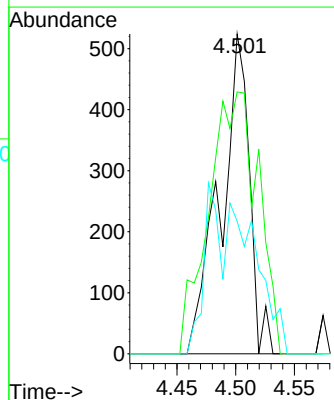
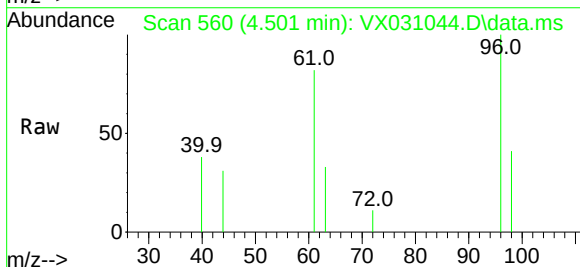
Instrument :
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ClientSampleId :
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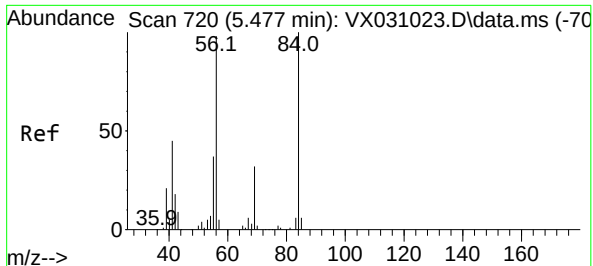
Tgt Ion:	84	Resp:	267
Ion	Ratio	Lower	Upper
84	100		
49	91.4	93.8	140.6#
51	50.0	29.4	44.0#
86	101.1	51.0	76.4#



#27
cis-1,2-Dichloroethene
Concen: 0.288 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

Tgt Ion:	96	Resp:	900
Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	270.0
98	50.7	0.0	127.8

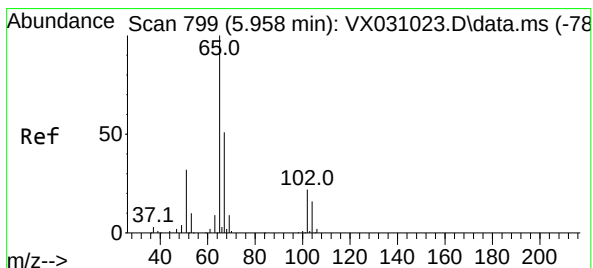
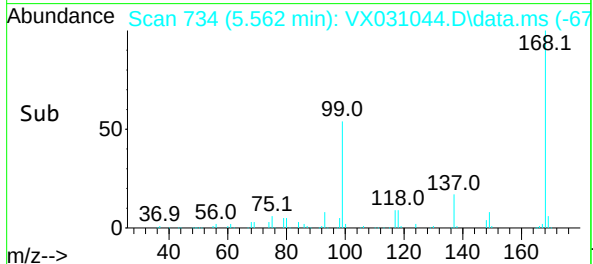
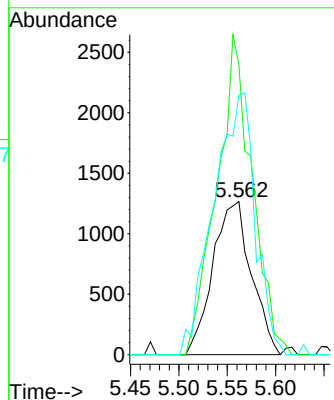
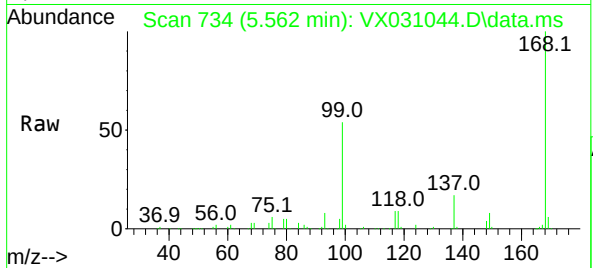




#31
Cyclohexane
Concen: 0.925 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

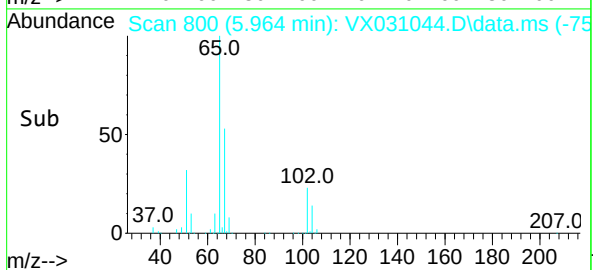
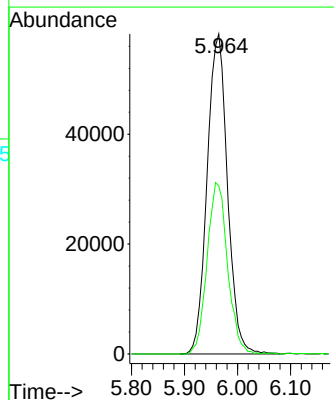
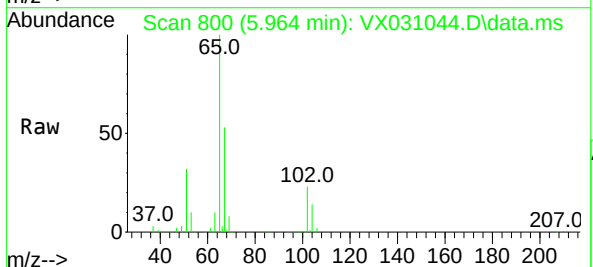
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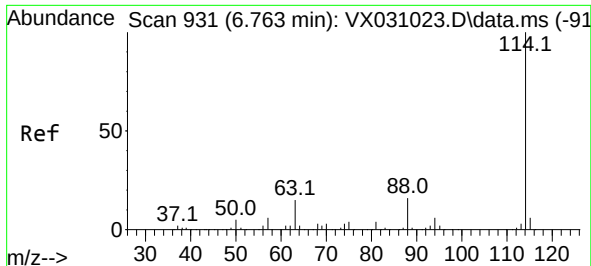
Tgt Ion: 56 Resp: 3503
Ion Ratio Lower Upper
56 100
69 189.0 25.4 38.0#
84 169.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 56.016 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

Tgt Ion: 65 Resp: 155339
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.6

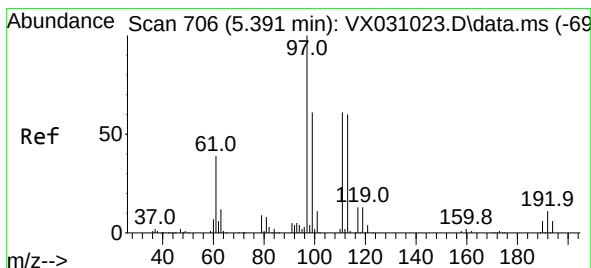
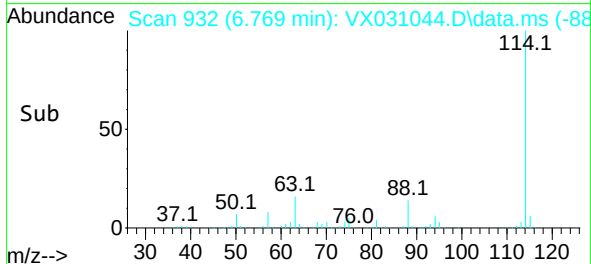
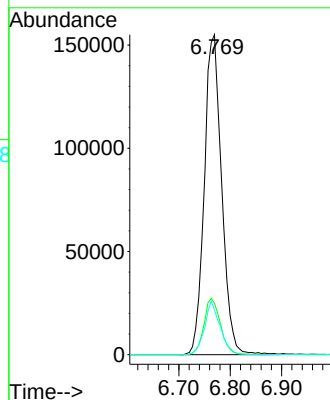
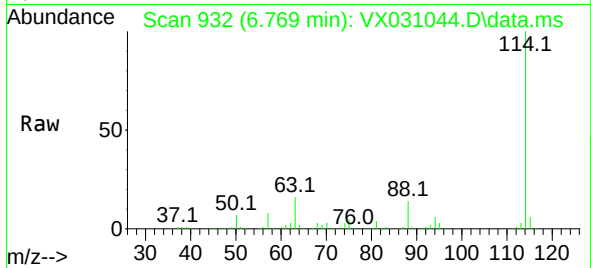




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

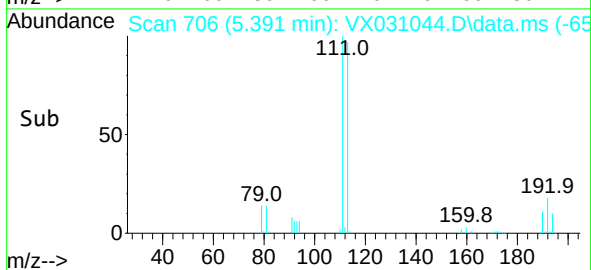
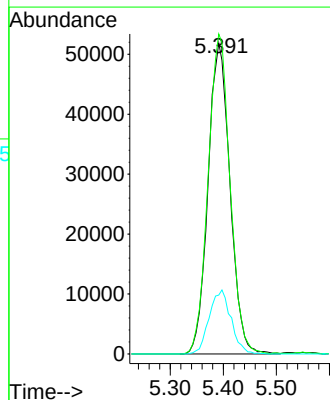
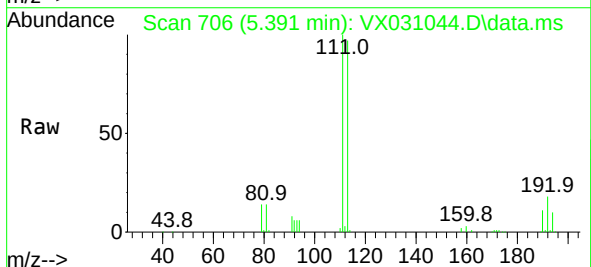
Instrument :
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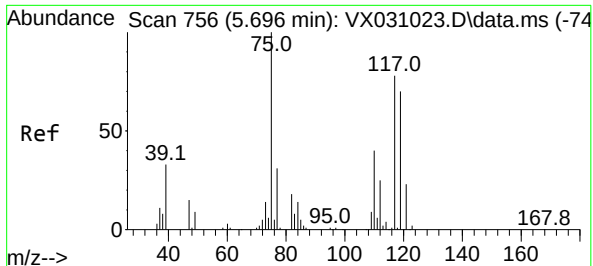
Tgt Ion:114 Resp: 364522
Ion Ratio Lower Upper
114 100
63 16.1 0.0 38.4
88 14.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 56.025 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

Tgt Ion:113 Resp: 149035
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 20.4 14.8 22.2

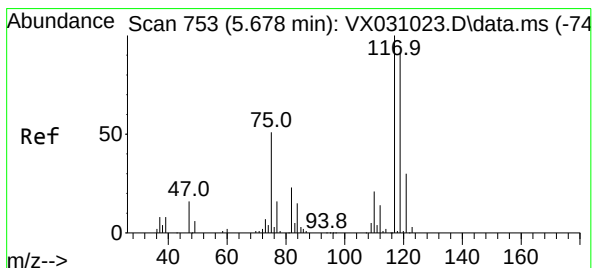
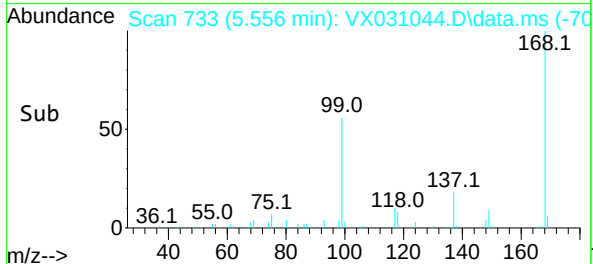
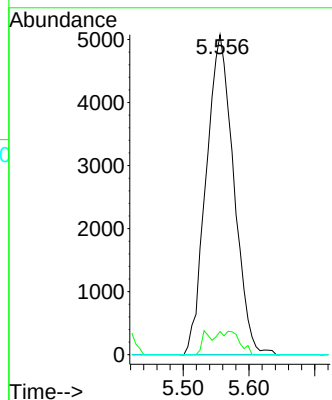
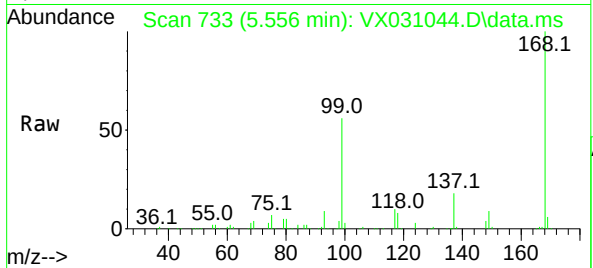




#36
1,1-Dichloropropene
Concen: 3.962 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

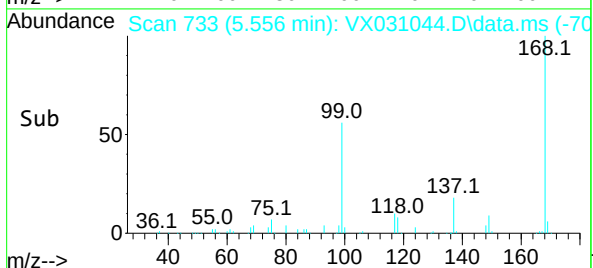
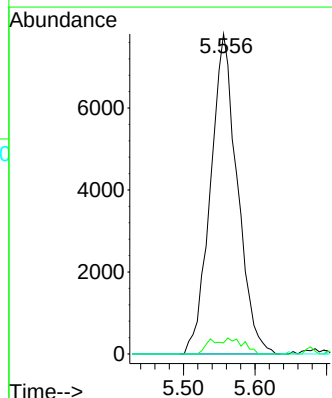
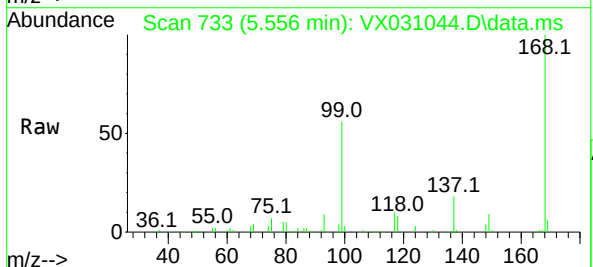
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20220822

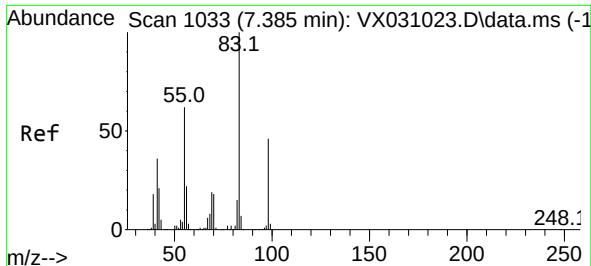
Tgt Ion: 75 Resp: 14762
Ion Ratio Lower Upper
75 100
110 6.0 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.259 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

Tgt Ion: 117 Resp: 20342
Ion Ratio Lower Upper
117 100
119 3.5 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.285 ug/l

RT: 7.123 min Scan# 991

Delta R.T. -0.262 min

Lab File: VX031044.D

Acq: 02 Sep 2022 00:50

Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20220822

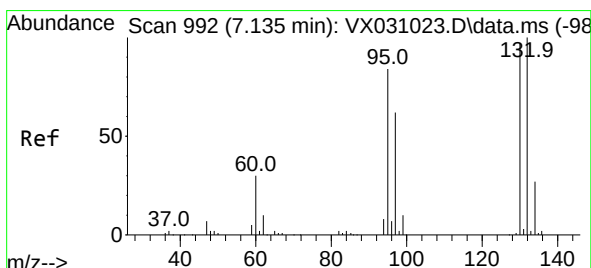
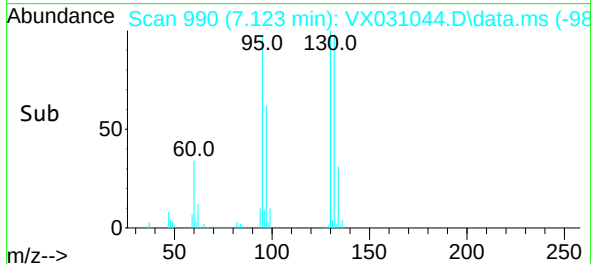
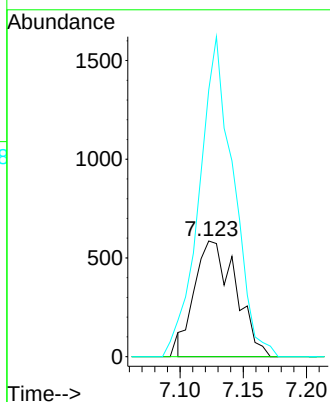
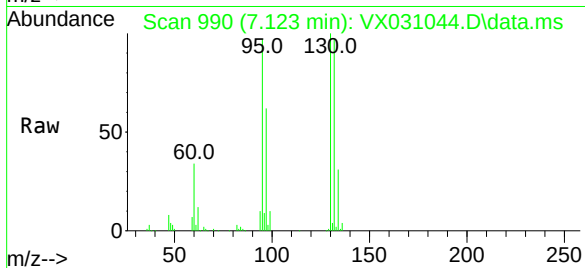
Tgt Ion: 83 Resp: 1316

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 230.7 36.5 54.7#



#44

Trichloroethene

Concen: 37.320 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX031044.D

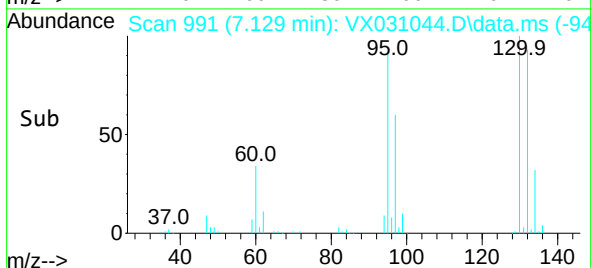
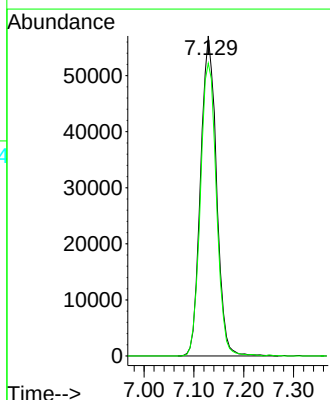
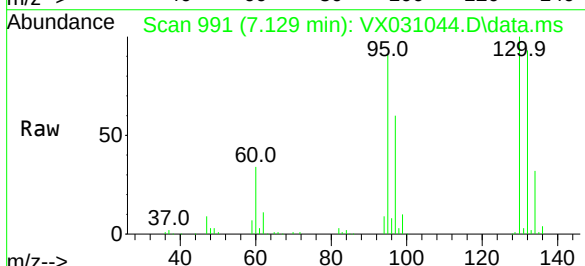
Acq: 02 Sep 2022 00:50

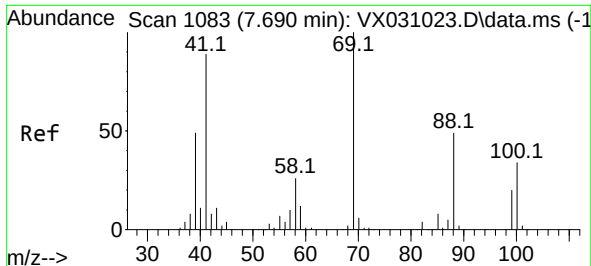
Tgt Ion:130 Resp: 126368

Ion Ratio Lower Upper

130 100

95 91.5 0.0 194.8





#49

1,4-Dioxane

Concen: 9.640 ug/l

RT: 7.696 min Scan# 1083

Delta R.T. 0.019 min

Lab File: VX031044.D

Acq: 02 Sep 2022 00:50

Instrument :

MSVOA_X

ClientSampleId :

RE104D1-20220822

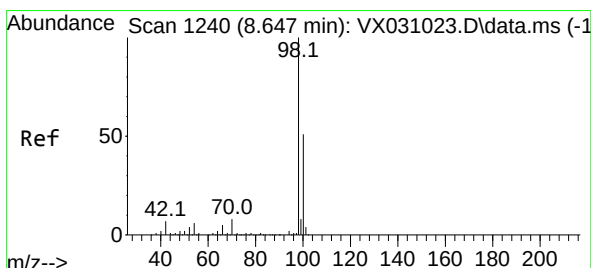
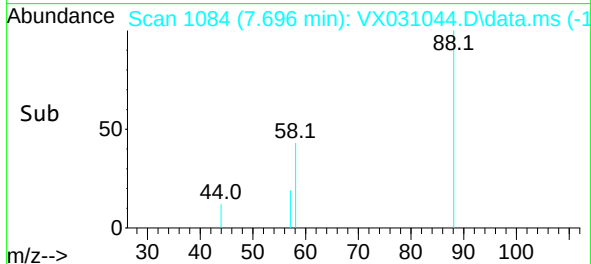
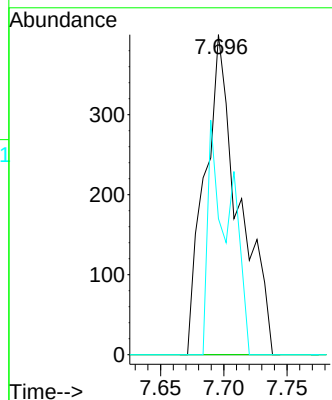
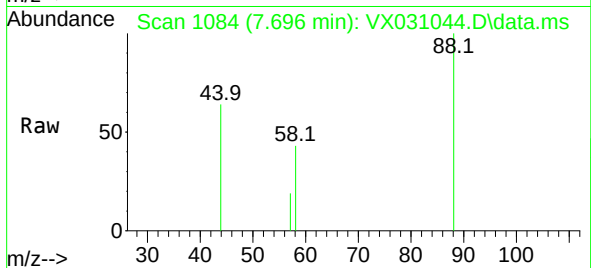
Tgt Ion: 88 Resp: 749

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 46.3 53.8 80.6#



#50

Toluene-d8

Concen: 55.680 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031044.D

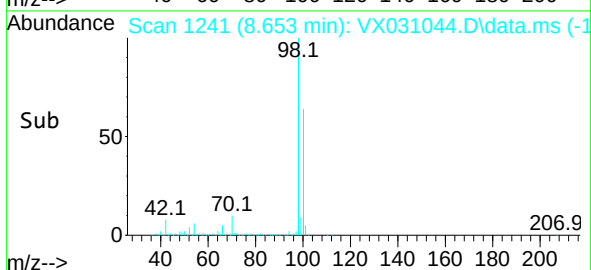
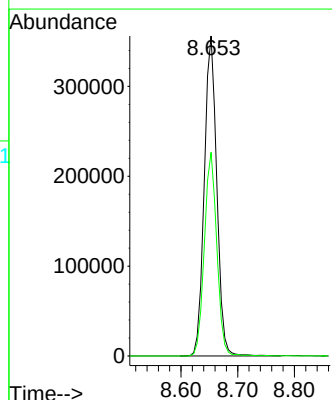
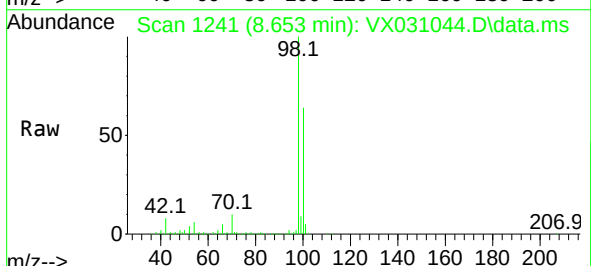
Acq: 02 Sep 2022 00:50

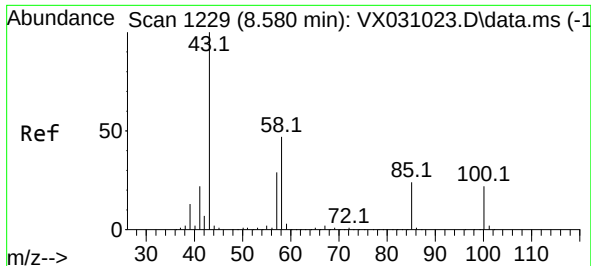
Tgt Ion: 98 Resp: 545124

Ion Ratio Lower Upper

98 100

100 63.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.562 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX031044.D

Acq: 02 Sep 2022 00:50

Instrument :

MSVOA_X

ClientSampleId :

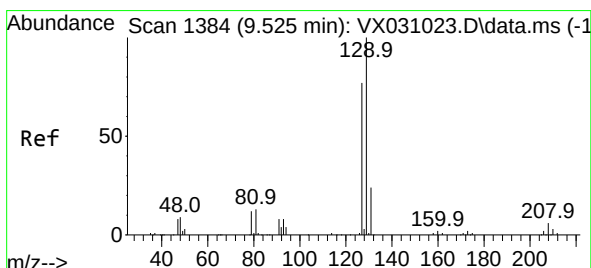
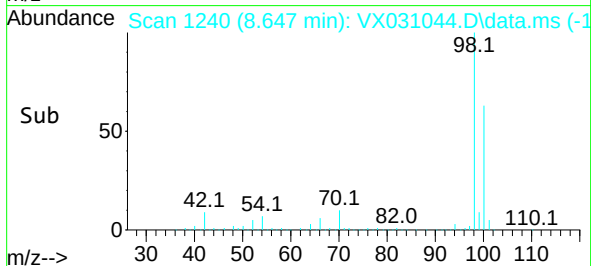
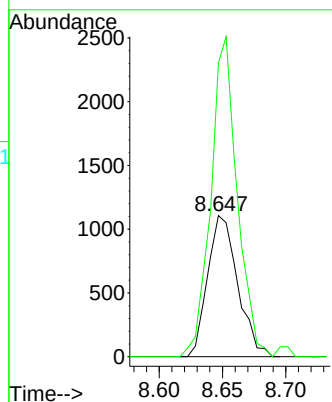
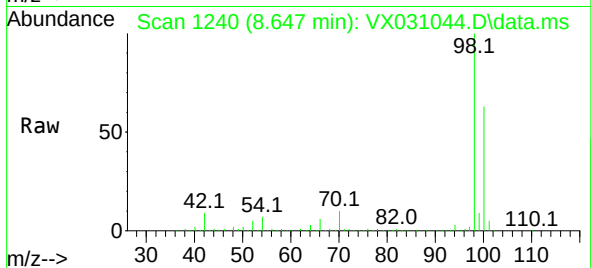
RE104D1-20220822

Tgt Ion: 43 Resp: 1829

Ion Ratio Lower Upper

43 100

58 198.9 31.4 47.2#



#60

Dibromochloromethane

Concen: 2.052 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.250 min

Lab File: VX031044.D

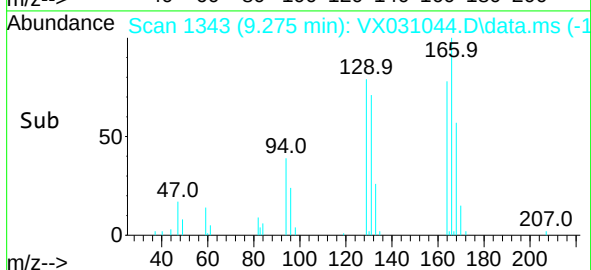
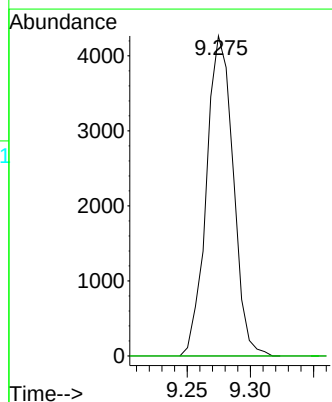
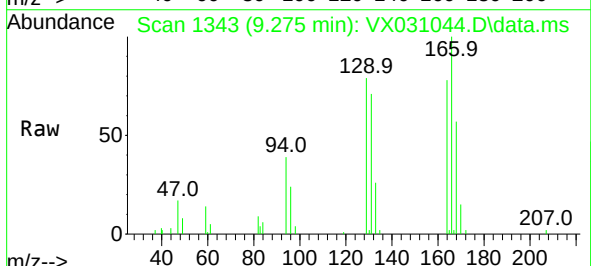
Acq: 02 Sep 2022 00:50

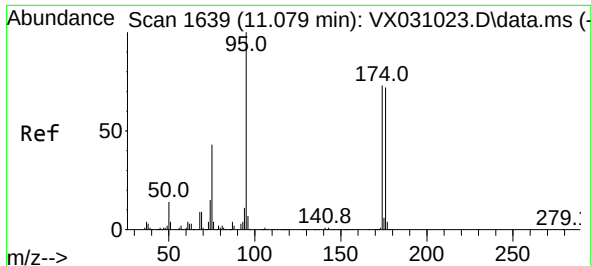
Tgt Ion: 129 Resp: 6283

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

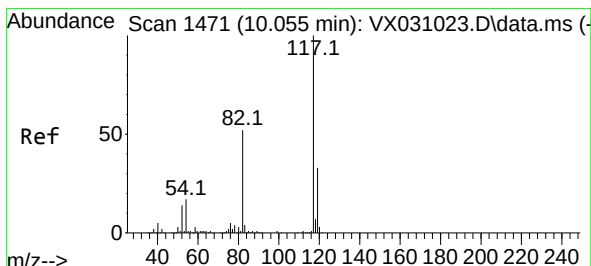
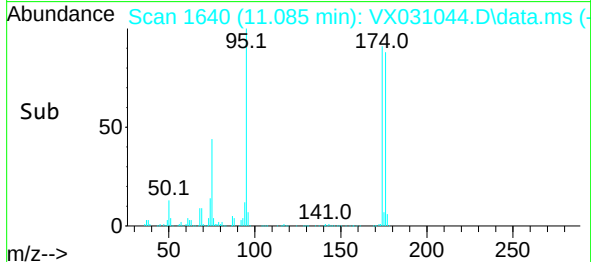
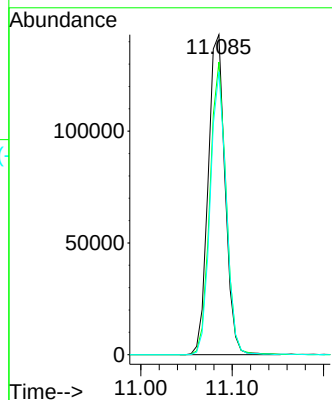
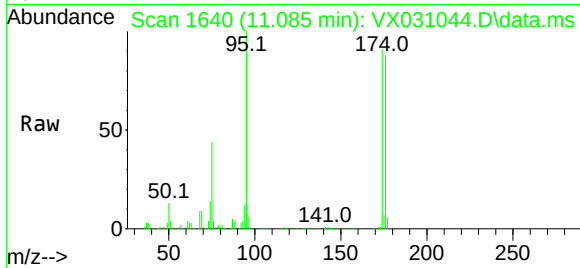




#62
4-Bromofluorobenzene
Concen: 53.196 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

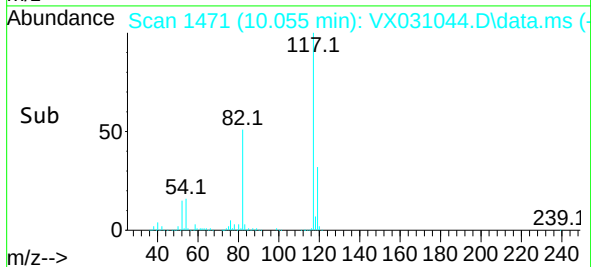
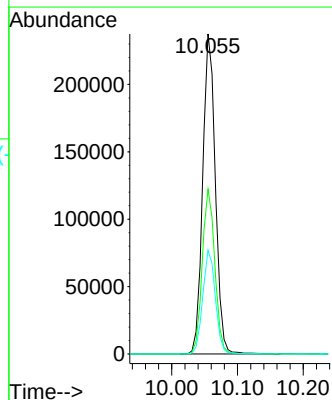
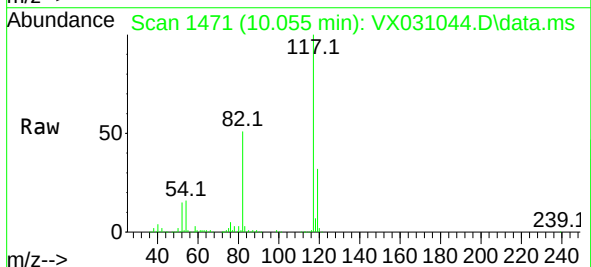
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20220822

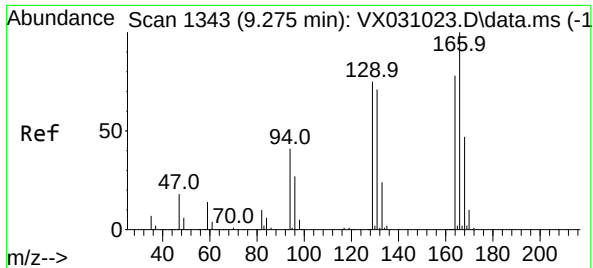
Tgt Ion: 95 Resp: 183947
Ion Ratio Lower Upper
95 100
174 87.3 0.0 149.0
176 83.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

Tgt Ion: 117 Resp: 318128
Ion Ratio Lower Upper
117 100
82 51.5 42.7 64.1
119 32.5 25.4 38.2

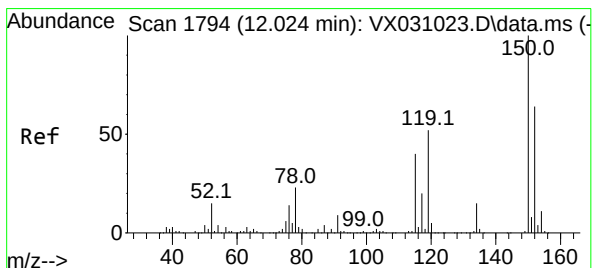
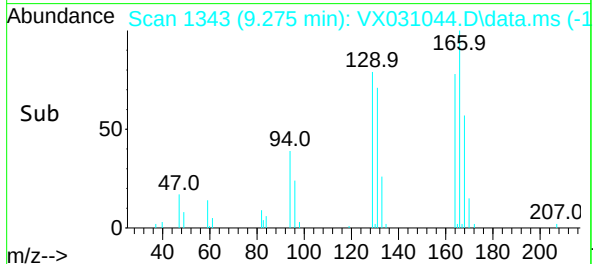
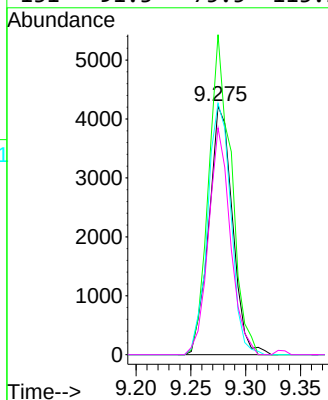
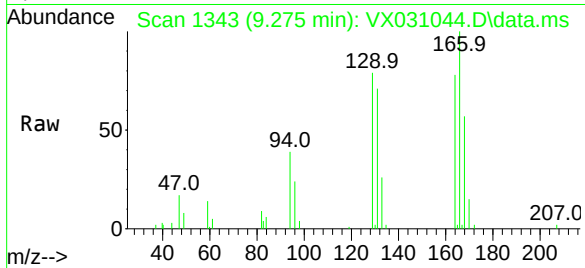




#64
Tetrachloroethene
Concen: 1.992 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

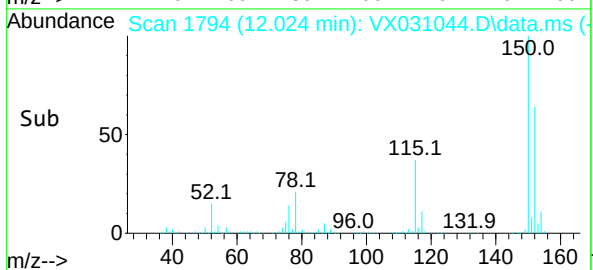
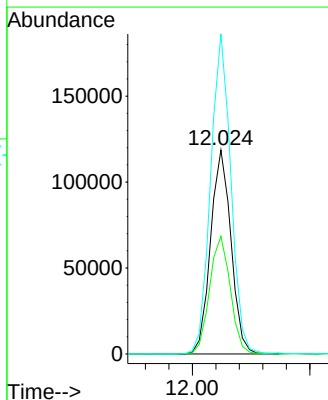
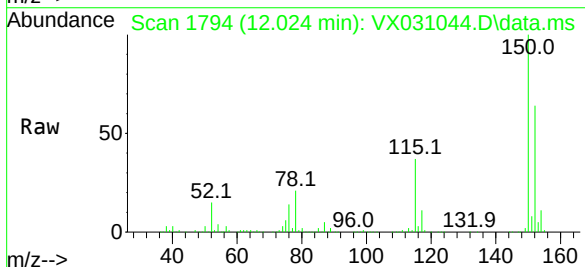
Instrument :
MSVOA_X
ClientSampleId :
RE104D1-20220822

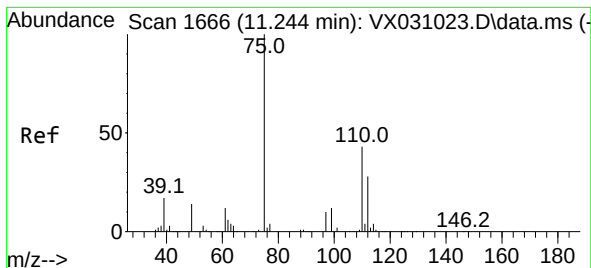
Tgt	Ion:164	Resp:	6326
Ion	Ratio	Lower	Upper
164	100		
166	128.7	98.2	147.4
129	101.1	80.8	121.2
131	91.3	75.5	113.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031044.D
Acq: 02 Sep 2022 00:50

Tgt Ion:152	Resp:	143751	
Ion	Ratio	Lower	Upper
152	100		
115	58.4	40.5	121.5
150	155.6	0.0	347.0





#76

1,2,3-Trichloropropane

Concen: 24.708 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX031044.D

Acq: 02 Sep 2022 00:50

Instrument :

MSVOA_X

ClientSampleId :

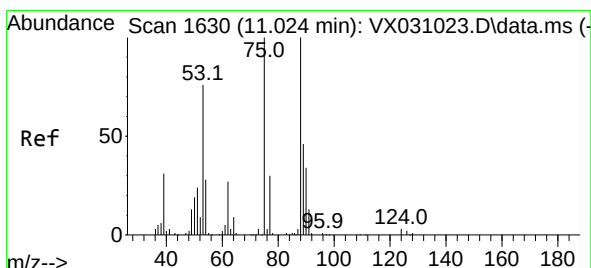
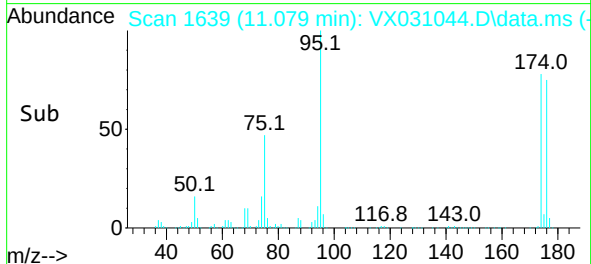
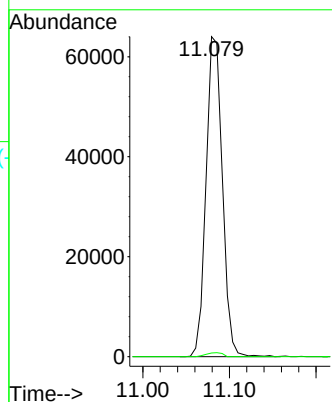
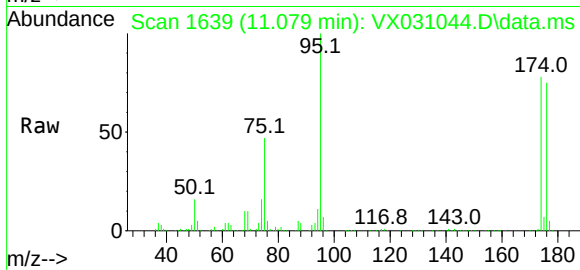
RE104D1-20220822

Tgt Ion: 75 Resp: 83961

Ion Ratio Lower Upper

75 100

77 1.2 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.650 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.055 min

Lab File: VX031044.D

Acq: 02 Sep 2022 00:50

Tgt Ion: 75 Resp: 83961

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

