

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037022.D
 Acq On : 16 Aug 2023 17:00
 Operator : JC/MD
 Sample : 04024-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20230815

Quant Time: Aug 17 04:17:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

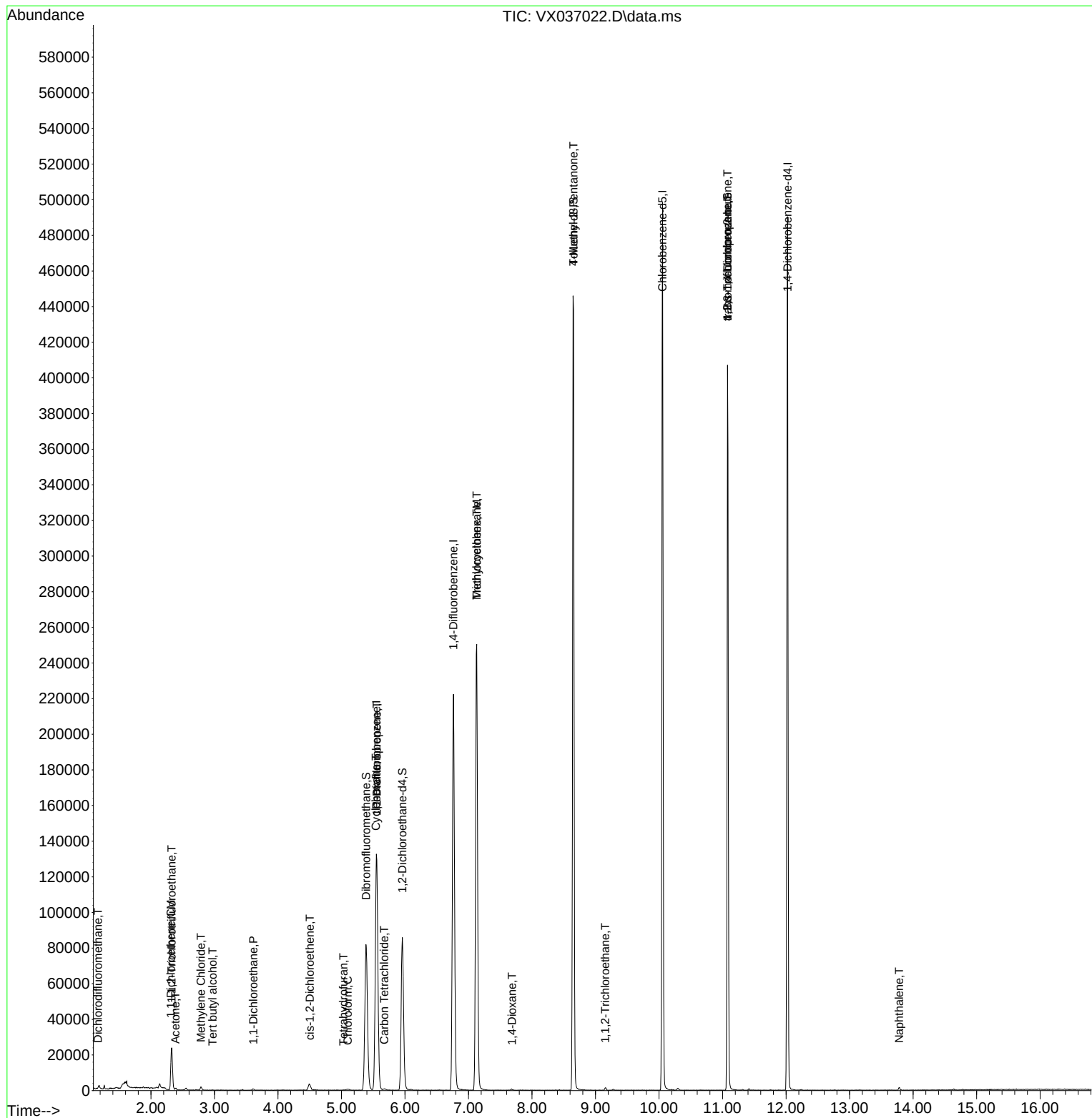
Internal Standards						
1) Pentafluorobenzene	5.550	168	121400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227553	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85934	47.840	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.680%
35) Dibromofluoromethane	5.385	113	71523	45.729	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.460%
50) Toluene-d8	8.653	98	270278	48.729	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.460%
62) 4-Bromofluorobenzene	11.079	95	110648	52.875	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	387	0.241	ug/l #	56
9) 1,1,2-Trichlorotrifluo...	2.325	101	9180	6.662	ug/l	97
11) Tert butyl alcohol	2.971	59	119	0.280	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	795	0.585	ug/l #	70
16) Acetone	2.386	43	888	1.191	ug/l	95
20) Methylene Chloride	2.788	84	994	0.600	ug/l #	74
24) 1,1-Dichloroethane	3.611	63	997	0.350	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	2322	1.287	ug/l	82
29) Tetrahydrofuran	5.031	42	181	0.232	ug/l #	34
30) Chloroform	5.099	83	919	0.315	ug/l	99
31) Cyclohexane	5.544	56	2752	1.107	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	10031	4.303	ug/l #	51
38) Carbon Tetrachloride	5.672	117	663	0.268	ug/l #	86
39) Methylcyclohexane	7.129	83	1201	0.414	ug/l #	1
44) Trichloroethene	7.129	130	97301	54.882	ug/l	99
49) 1,4-Dioxane	7.683	88	622	14.576	ug/l #	84
51) 4-Methyl-2-Pentanone	8.653	43	1145	0.456	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	509	0.285	ug/l #	74
76) 1,2,3-Trichloropropane	11.079	75	58028	23.901	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	58028	54.173	ug/l #	5
95) Naphthalene	13.780	128	1633	0.219	ug/l	99

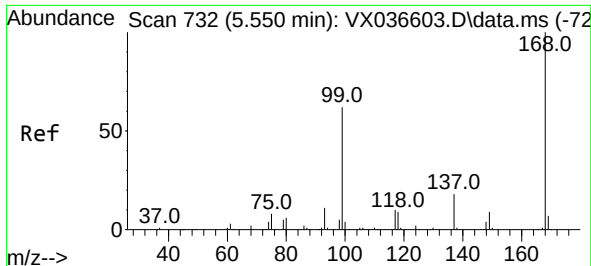
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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RE114D2-20230815

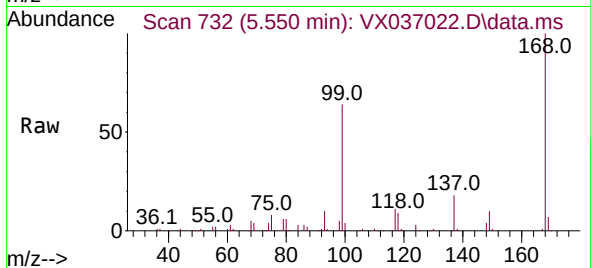
Quant Time: Aug 17 04:17:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



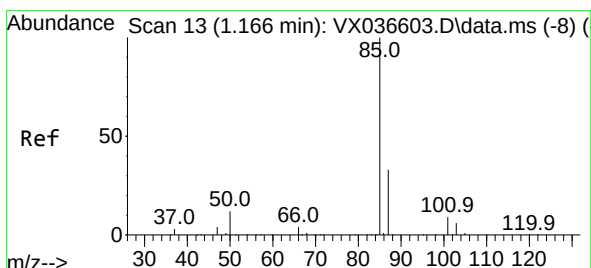
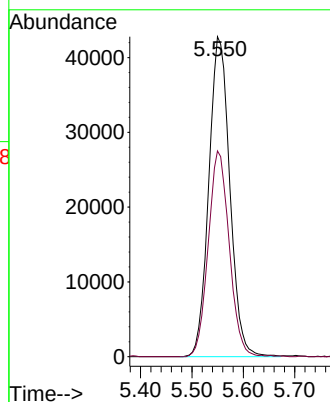
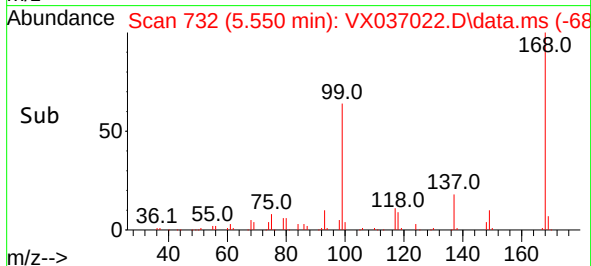


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230815

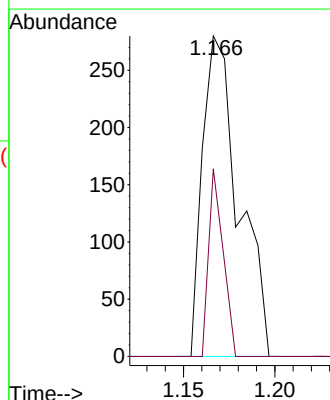
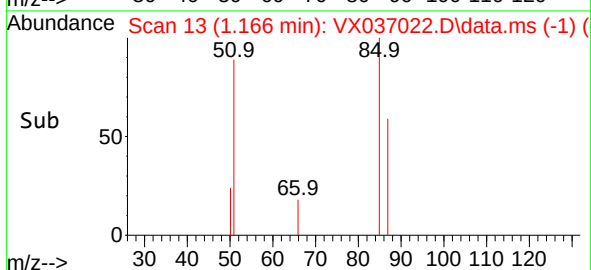
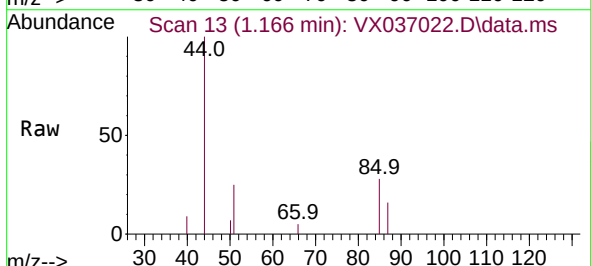


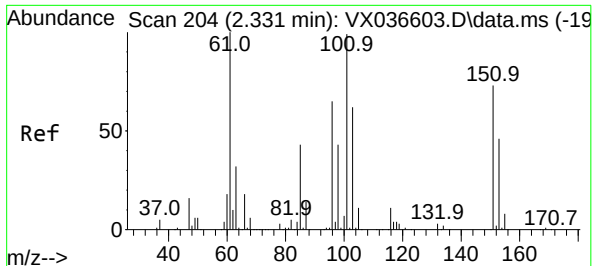
Tgt Ion:168 Resp: 121400
Ion Ratio Lower Upper
168 100
99 64.3 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 0.241 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

Tgt Ion: 85 Resp: 387
Ion Ratio Lower Upper
85 100
87 58.6 16.7 50.1#

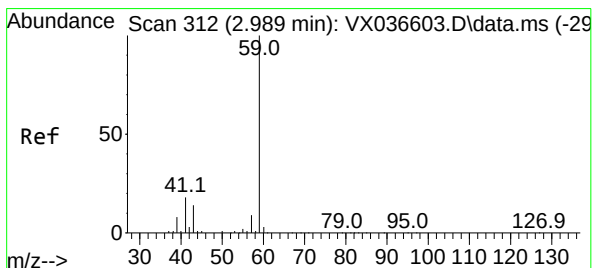
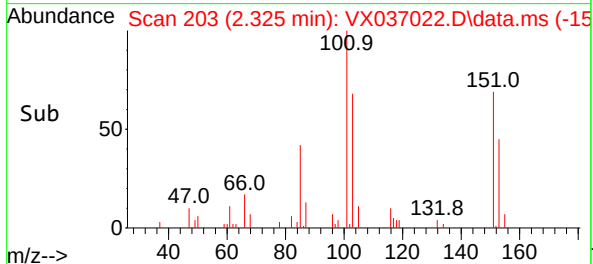
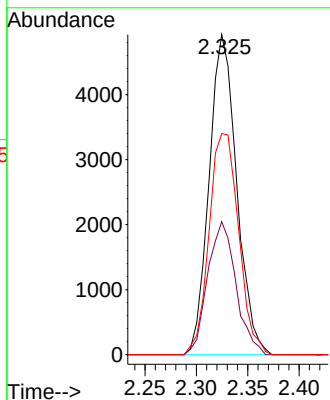
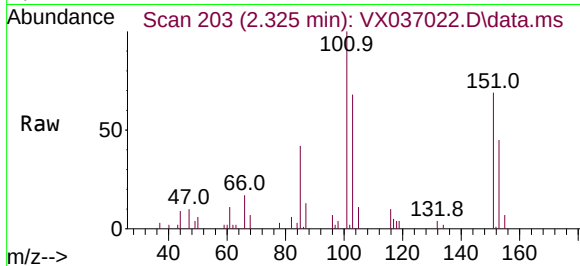




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.662 ug/l
RT: 2.325 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

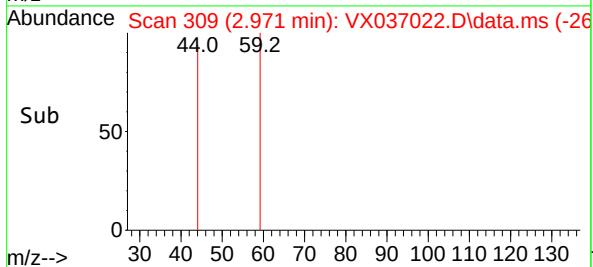
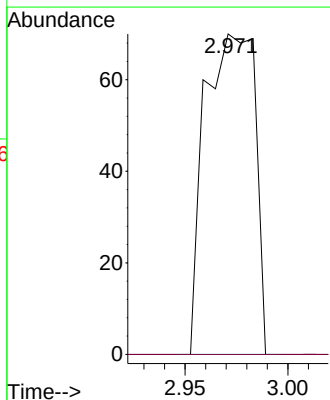
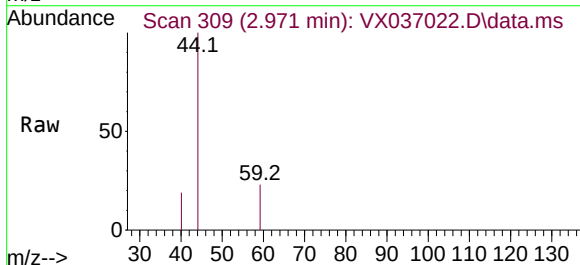
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230815

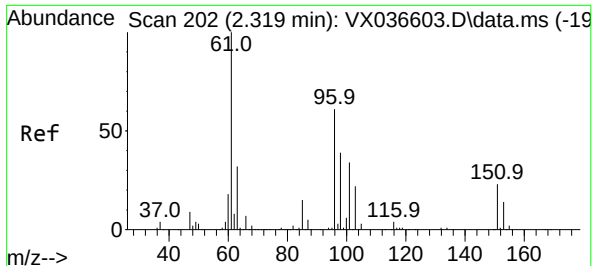
Tgt Ion:101 Resp: 9180
Ion Ratio Lower Upper
101 100
85 42.6 37.0 55.6
151 74.1 58.6 87.8



#11
Tert butyl alcohol
Concen: 0.280 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.585 ug/l

RT: 2.312 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX037022.D

Acq: 16 Aug 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20230815

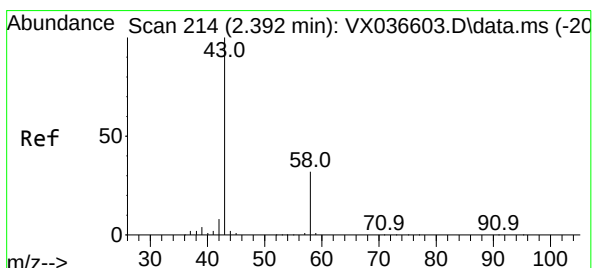
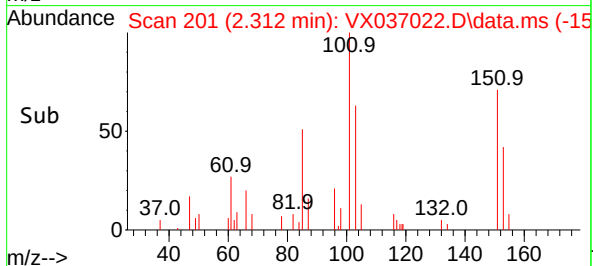
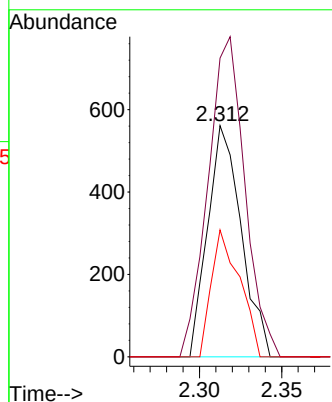
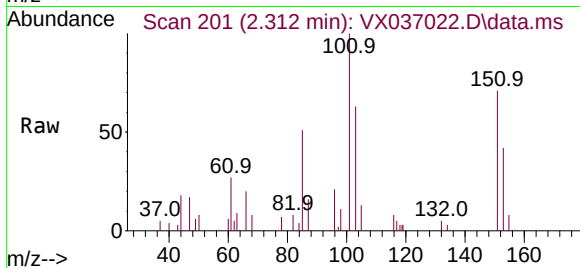
Tgt Ion: 96 Resp: 795

Ion Ratio Lower Upper

96 100

61 129.2 144.6 216.8#

98 54.9 50.4 75.6



#16

Acetone

Concen: 1.191 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX037022.D

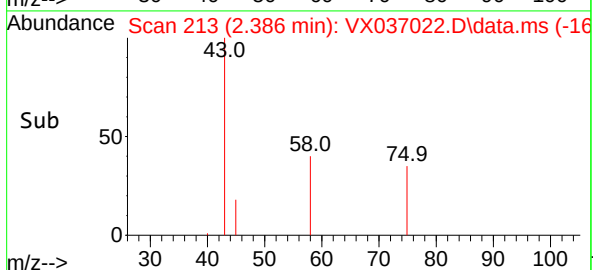
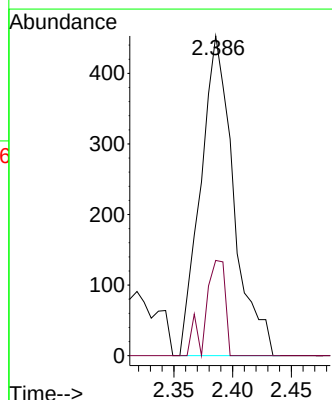
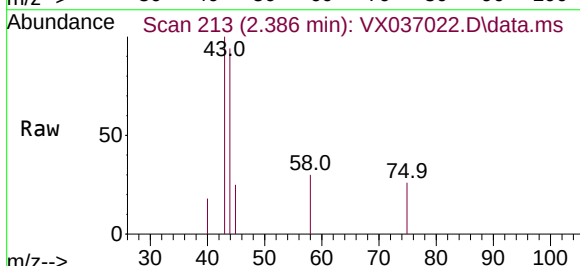
Acq: 16 Aug 2023 17:00

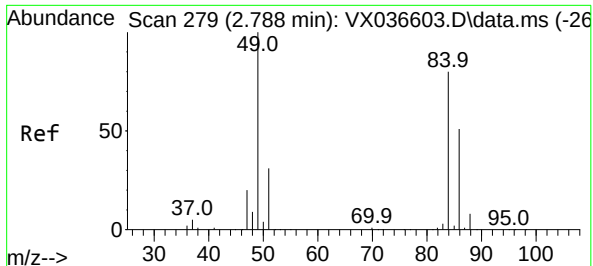
Tgt Ion: 43 Resp: 888

Ion Ratio Lower Upper

43 100

58 29.8 21.9 32.9





#20

Methylene Chloride

Concen: 0.600 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037022.D

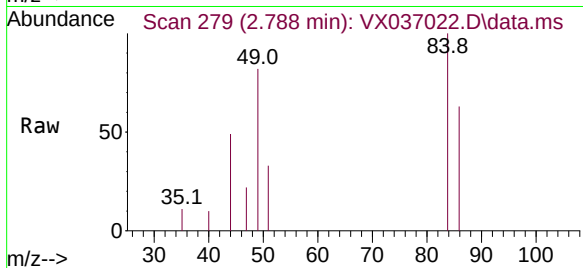
Acq: 16 Aug 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20230815



Tgt Ion: 84 Resp: 994

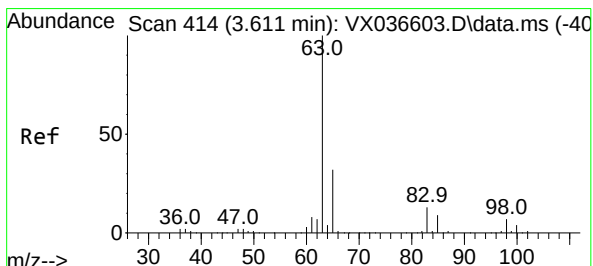
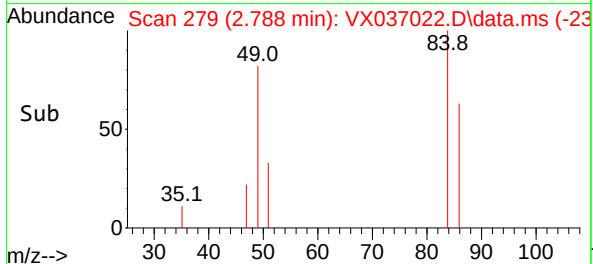
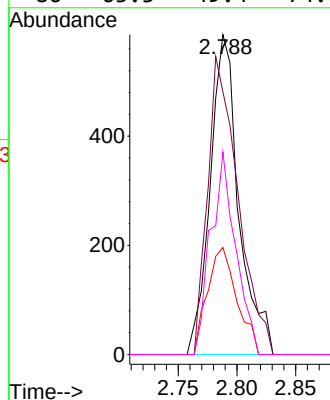
Ion Ratio Lower Upper

84 100

49 82.1 103.6 155.4#

51 33.4 33.8 50.6#

86 63.3 49.4 74.0



#24

1,1-Dichloroethane

Concen: 0.350 ug/l

RT: 3.611 min Scan# 414

Delta R.T. -0.000 min

Lab File: VX037022.D

Acq: 16 Aug 2023 17:00

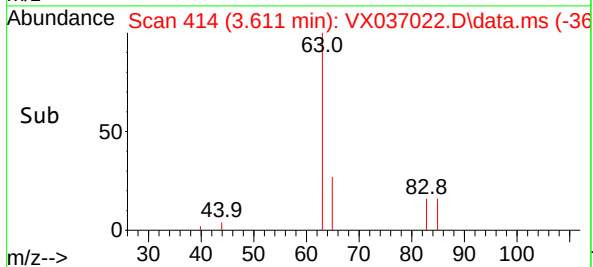
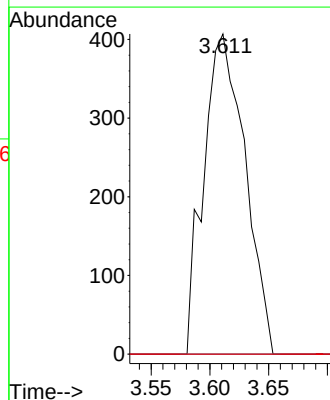
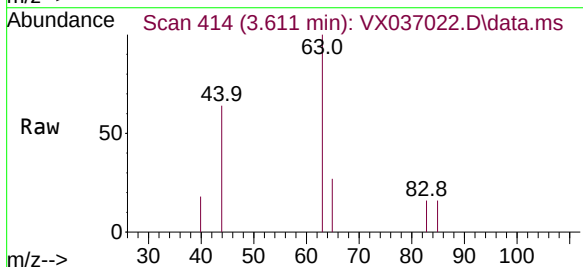
Tgt Ion: 63 Resp: 997

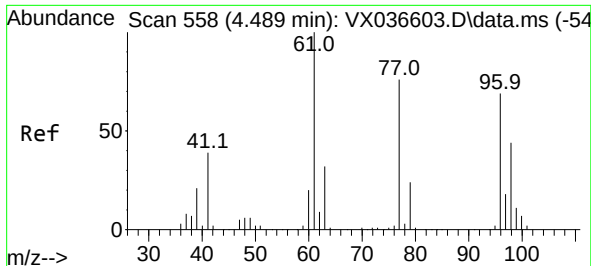
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 1.287 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX037022.D

Acq: 16 Aug 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

RE114D2-20230815

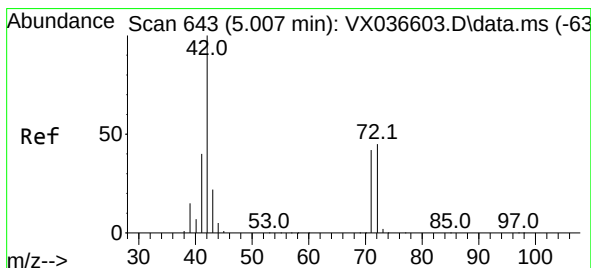
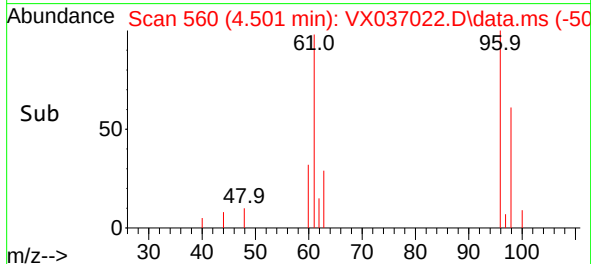
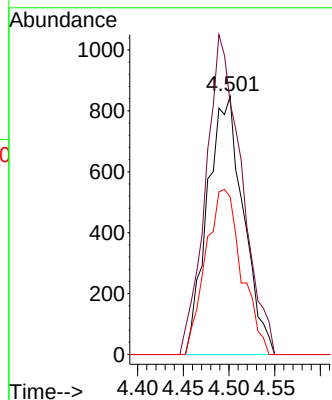
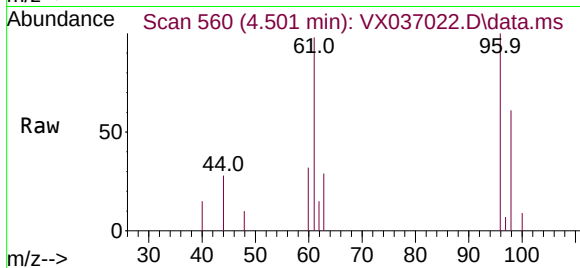
Tgt Ion: 96 Resp: 2322

Ion Ratio Lower Upper

96 100

61 123.1 0.0 312.2

98 64.0 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX037022.D

Acq: 16 Aug 2023 17:00

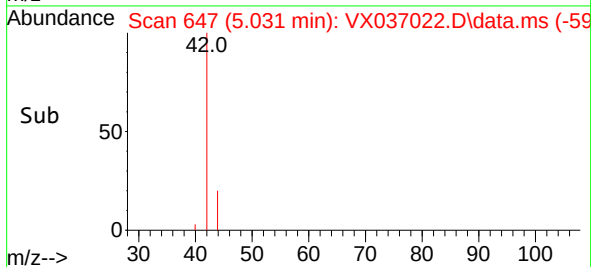
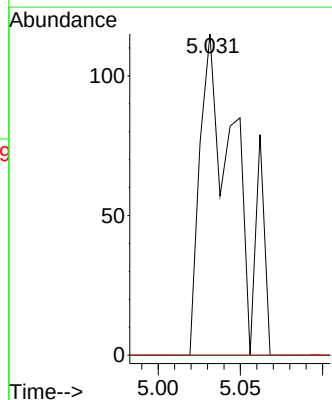
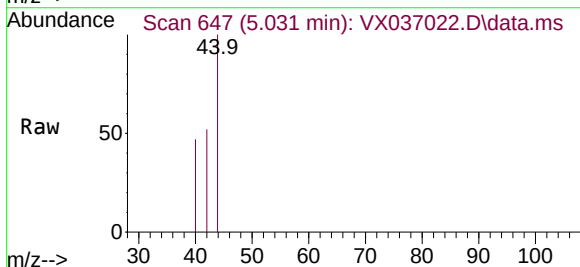
Tgt Ion: 42 Resp: 181

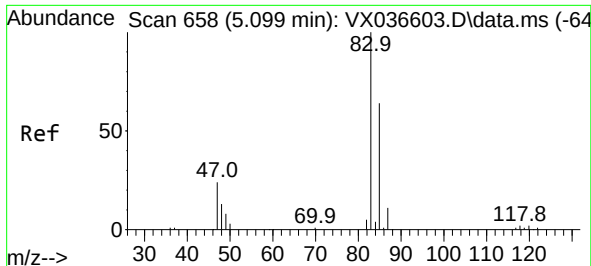
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#





#30

Chloroform

Concen: 0.315 ug/l

RT: 5.099 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX037022.D

Acq: 16 Aug 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

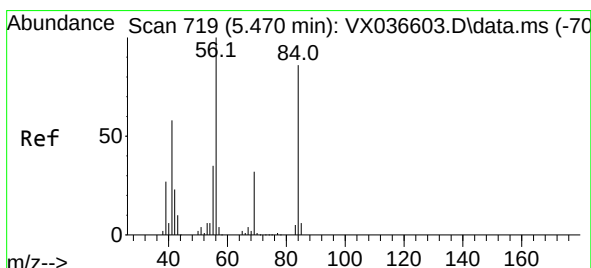
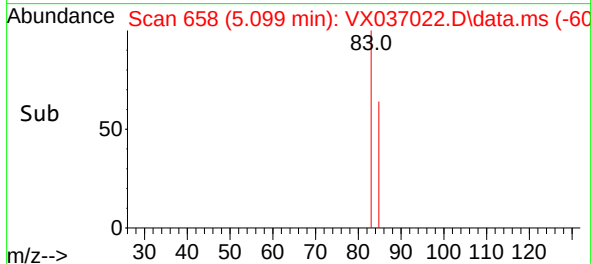
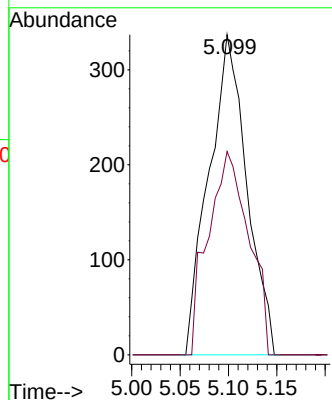
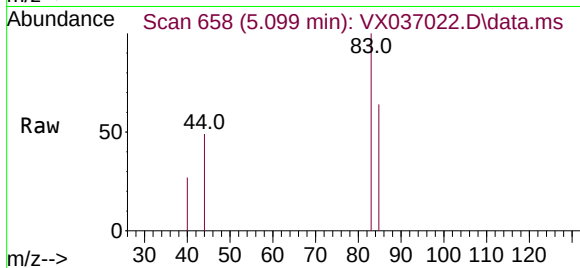
RE114D2-20230815

Tgt Ion: 83 Resp: 919

Ion Ratio Lower Upper

83 100

85 63.5 50.3 75.5



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX037022.D

Acq: 16 Aug 2023 17:00

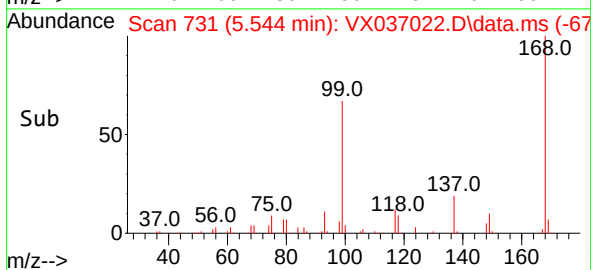
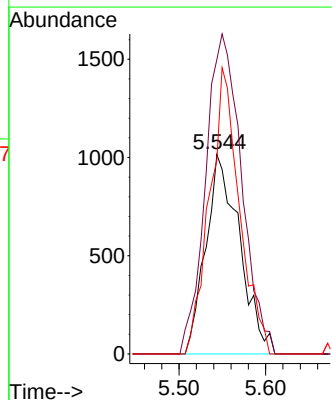
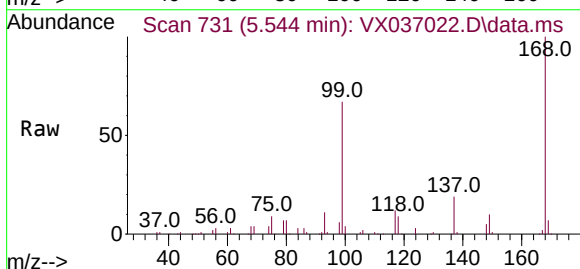
Tgt Ion: 56 Resp: 2752

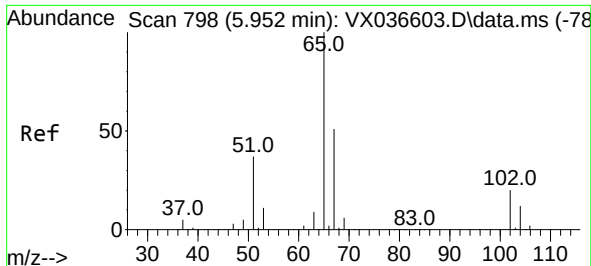
Ion Ratio Lower Upper

56 100

69 147.5 23.4 35.2#

84 96.9 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 47.840 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX037022.D

Acq: 16 Aug 2023 17:00

Instrument :

MSVOA_X

ClientSampleId :

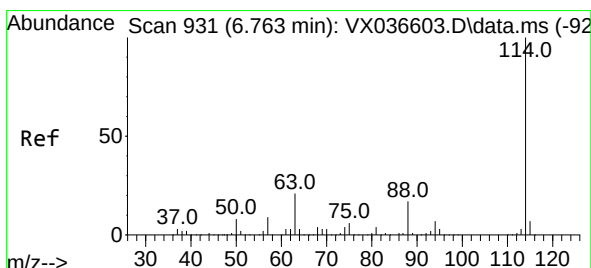
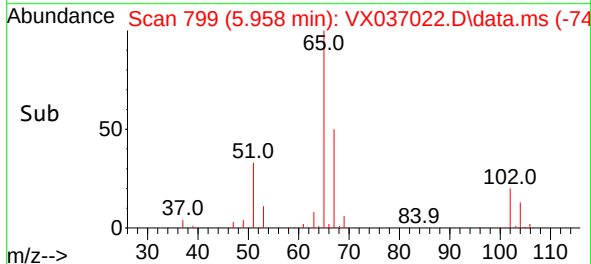
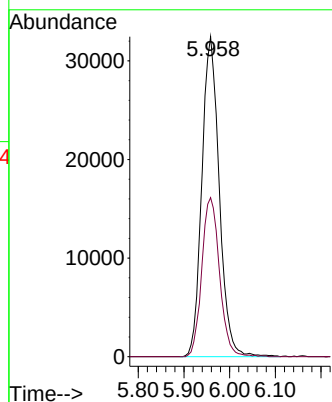
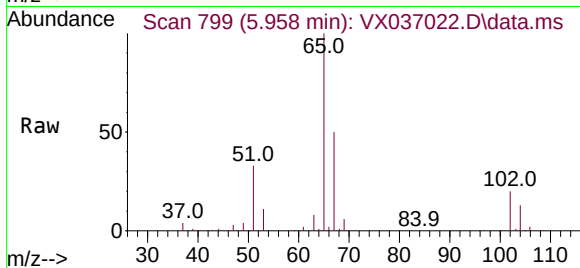
RE114D2-20230815

Tgt Ion: 65 Resp: 85934

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037022.D

Acq: 16 Aug 2023 17:00

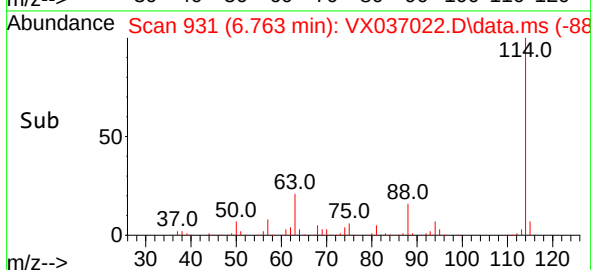
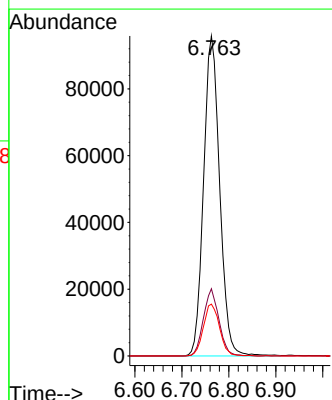
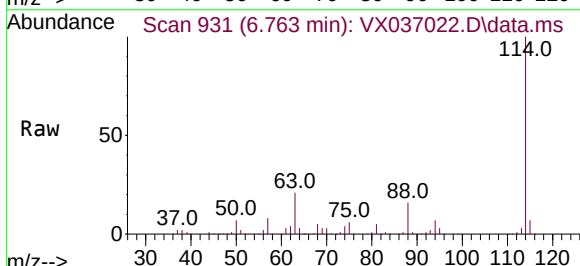
Tgt Ion: 114 Resp: 227553

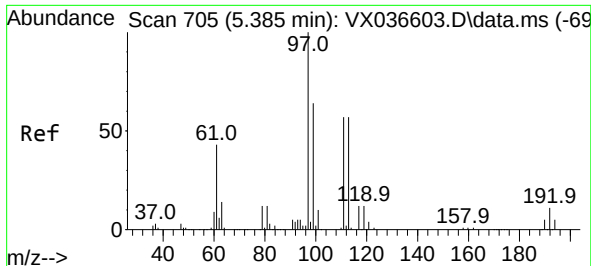
Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.0

88 16.2 0.0 36.6

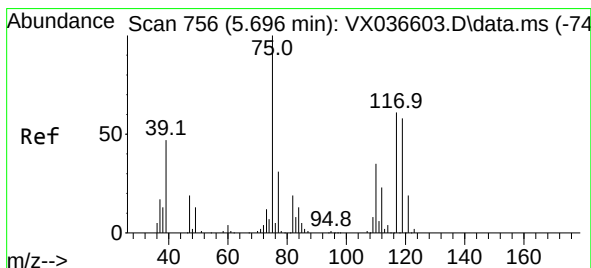
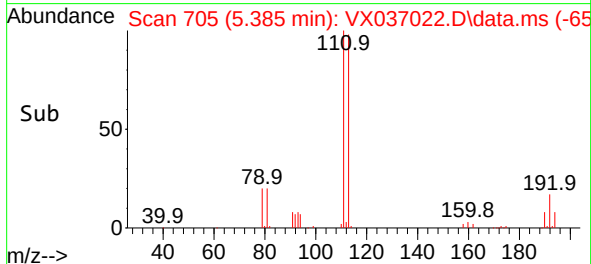
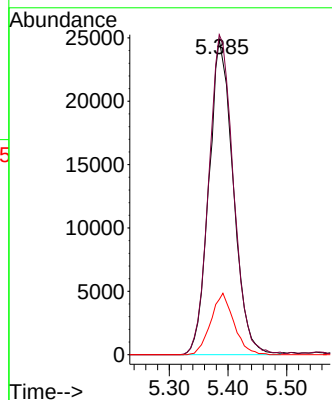
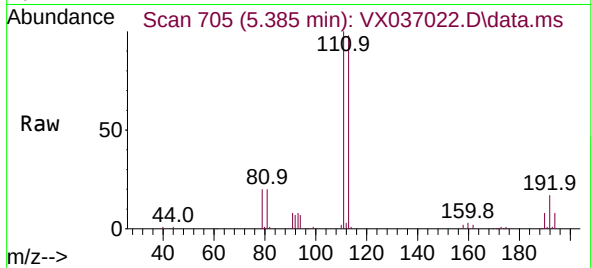




#35
Dibromofluoromethane
Concen: 45.729 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

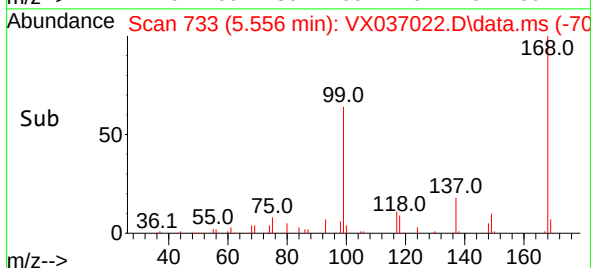
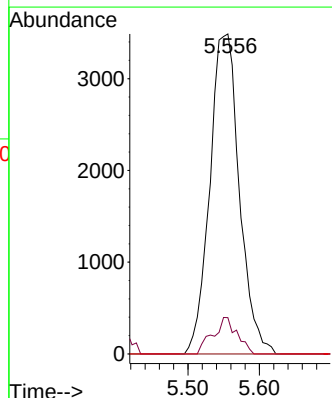
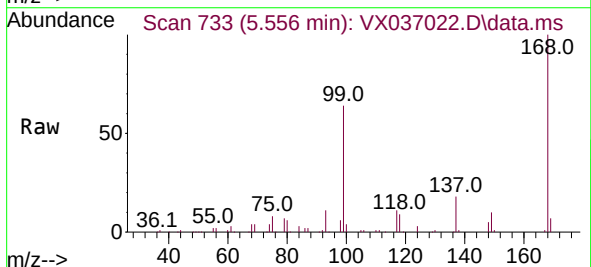
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230815

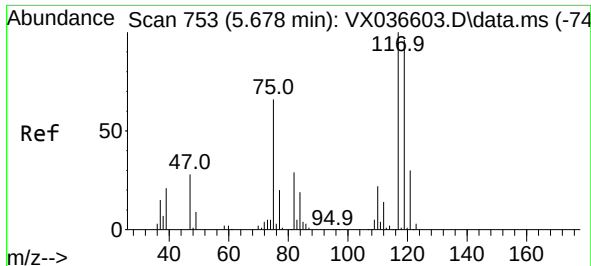
Tgt Ion:113 Resp: 71523
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.303 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

Tgt Ion: 75 Resp: 10031
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#

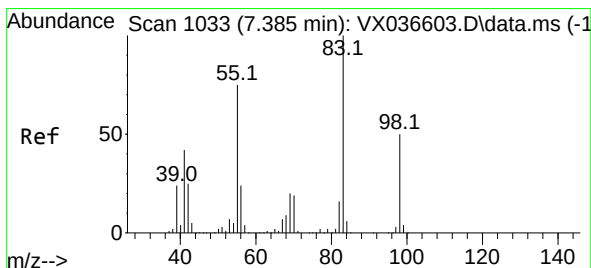
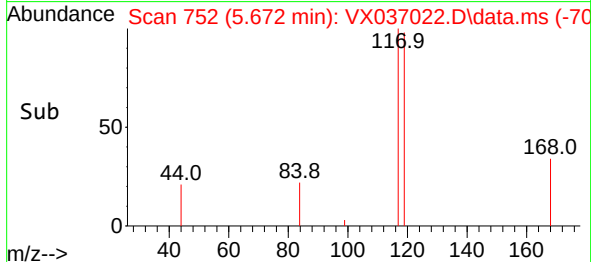
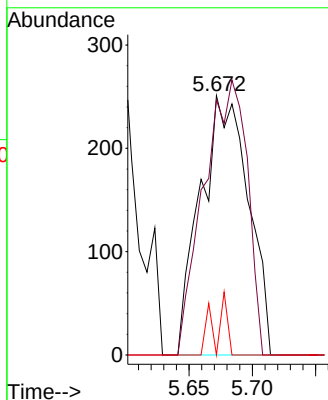
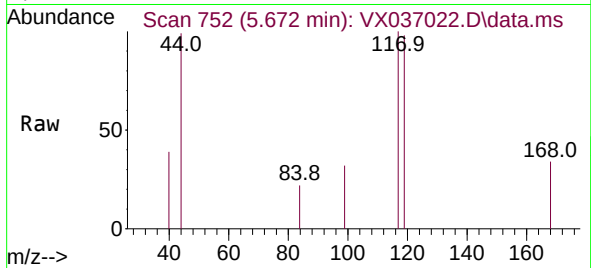




#38
Carbon Tetrachloride
Concen: 0.268 ug/l
RT: 5.672 min Scan# 711
Delta R.T. -0.006 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

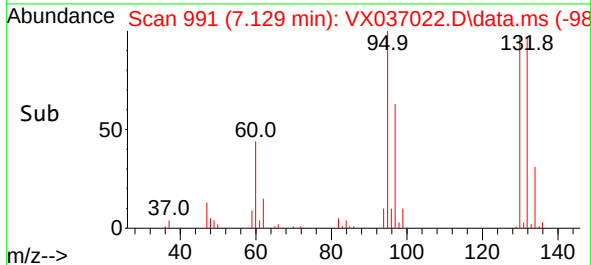
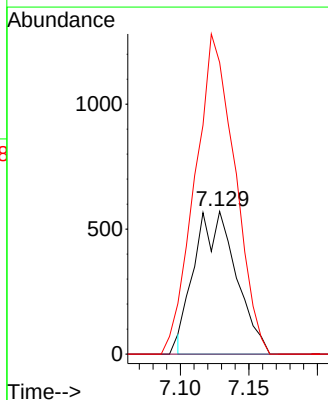
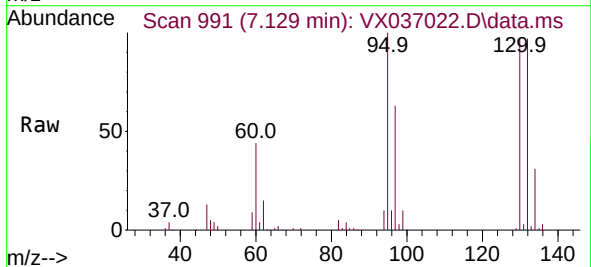
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230815

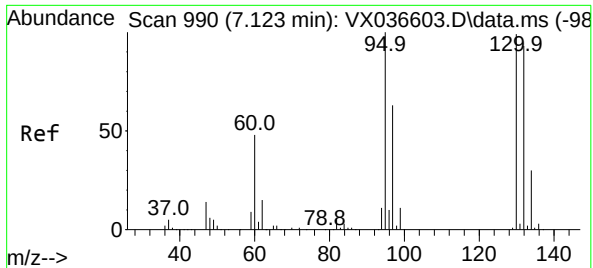
Tgt Ion:117 Resp: 663
Ion Ratio Lower Upper
117 100
119 98.4 78.2 117.2
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.414 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

Tgt Ion: 83 Resp: 1201
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 204.4 36.7 55.1#

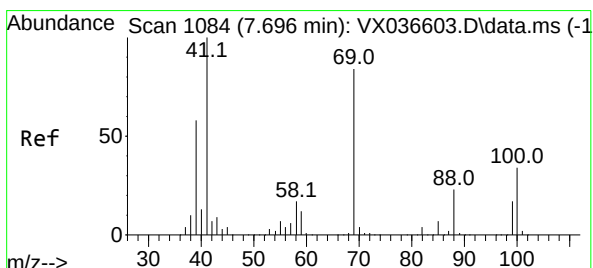
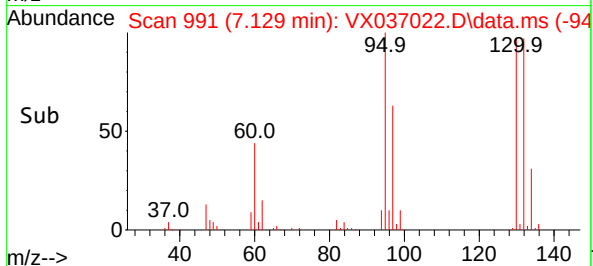
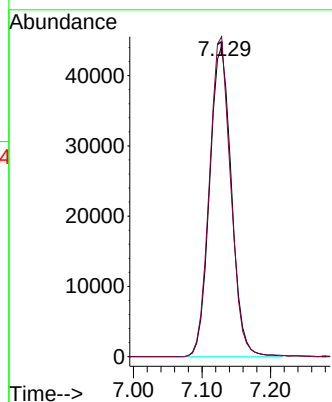
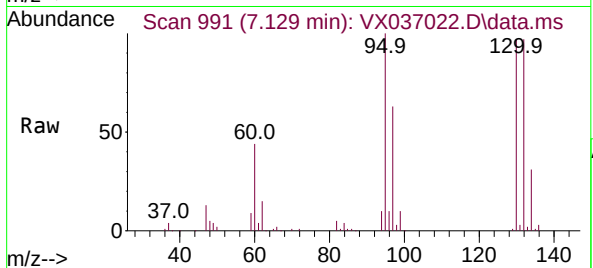




#44
Trichloroethene
Concen: 54.882 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

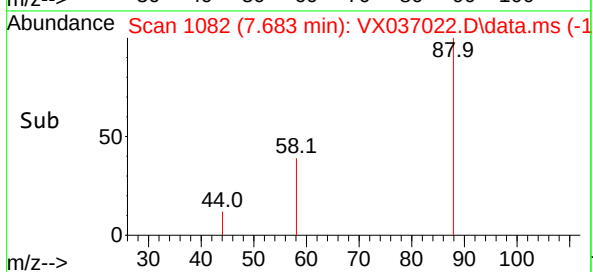
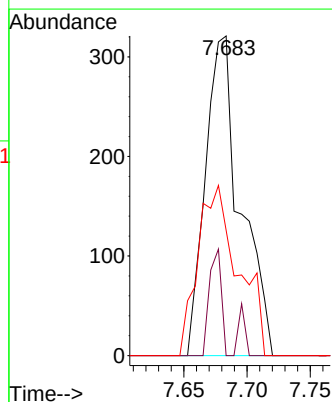
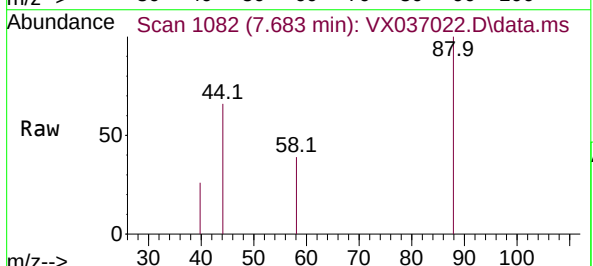
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230815

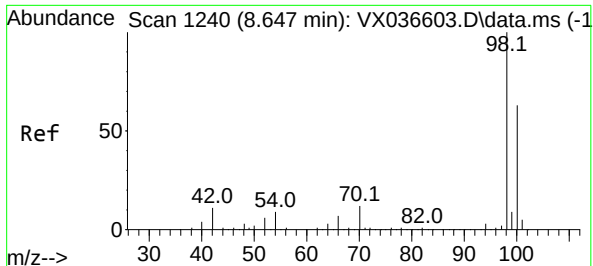
Tgt Ion:130 Resp: 97301
Ion Ratio Lower Upper
130 100
95 103.1 0.0 204.4



#49
1,4-Dioxane
Concen: 14.576 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.012 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

Tgt Ion: 88 Resp: 622
Ion Ratio Lower Upper
88 100
43 11.4 0.0 0.0#
58 61.1 60.1 90.1

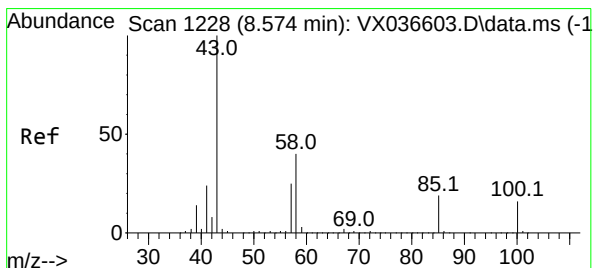
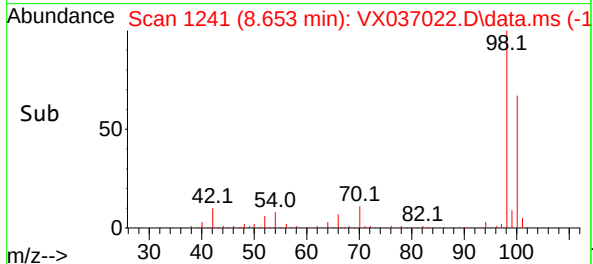
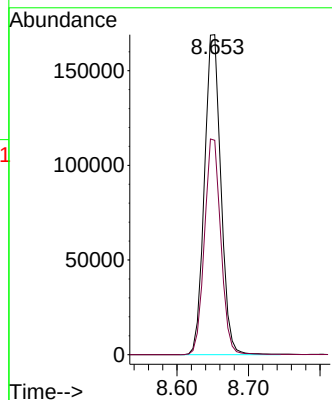
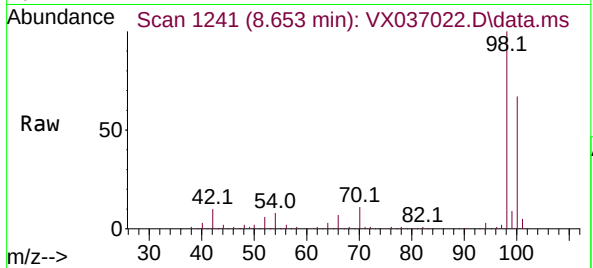




#50
Toluene-d8
Concen: 48.729 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

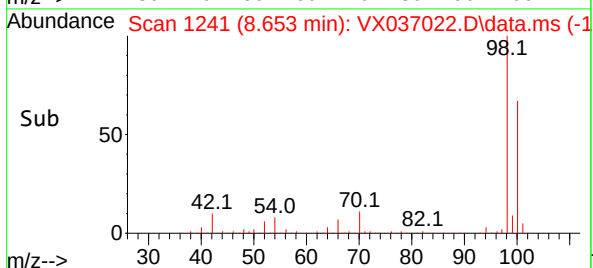
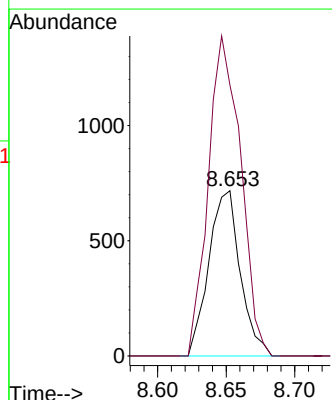
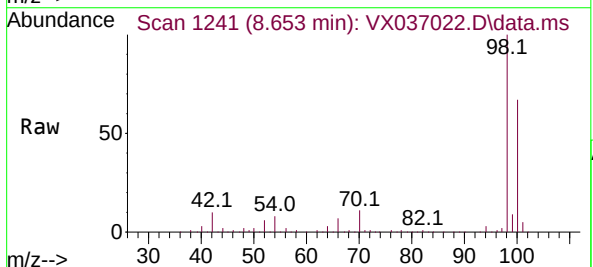
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230815

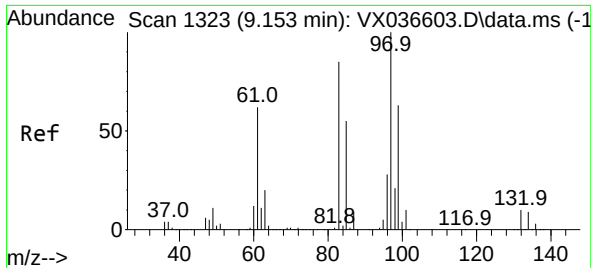
Tgt Ion: 98 Resp: 270278
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.456 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 199.6 30.4 45.6#

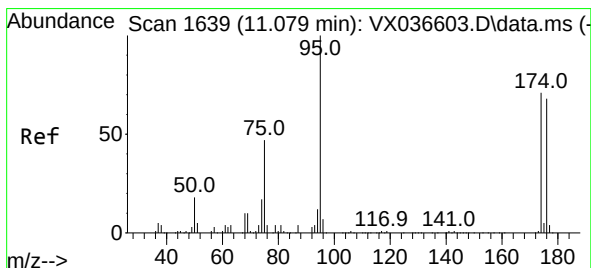
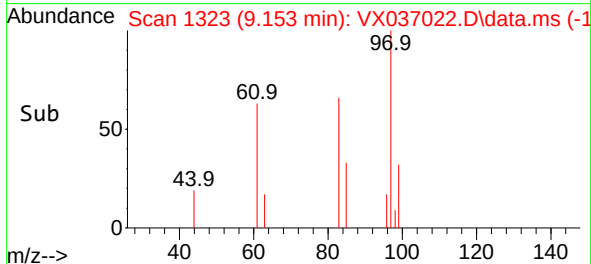
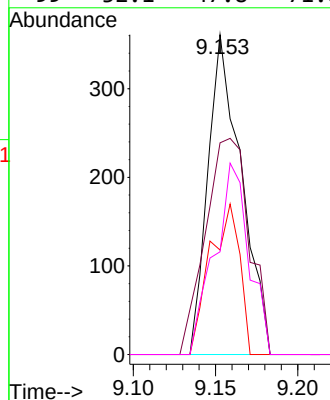
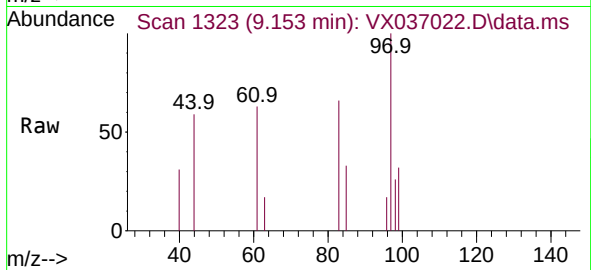




#55
1,1,2-Trichloroethane
Concen: 0.285 ug/l
RT: 9.153 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

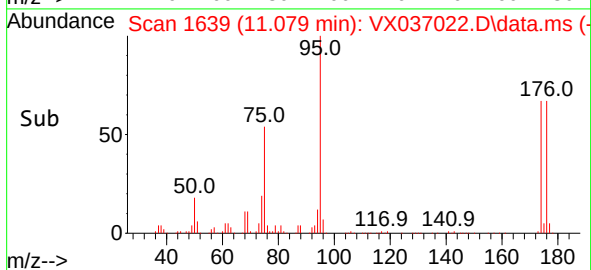
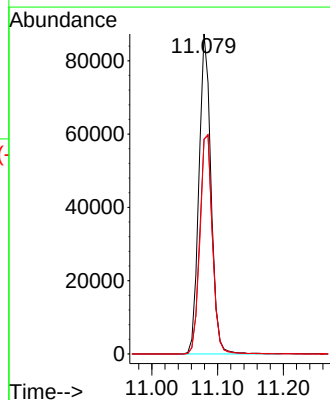
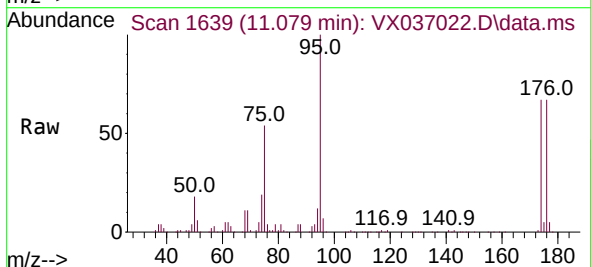
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230815

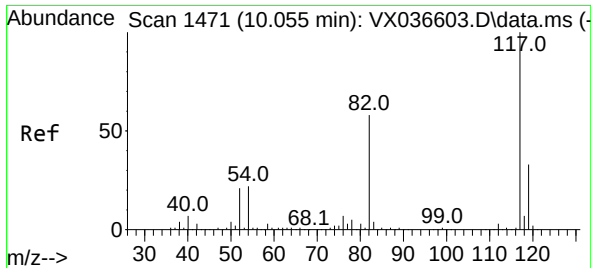
Tgt Ion:	97	Resp:	509
Ion	Ratio	Lower	Upper
97	100		
83	66.2	65.8	98.8
85	32.7	41.6	62.4#
99	32.1	47.8	71.8#



#62
4-Bromofluorobenzene
Concen: 52.875 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

Tgt Ion:	95	Resp:	110648
Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	135.6
176	71.2	0.0	131.0

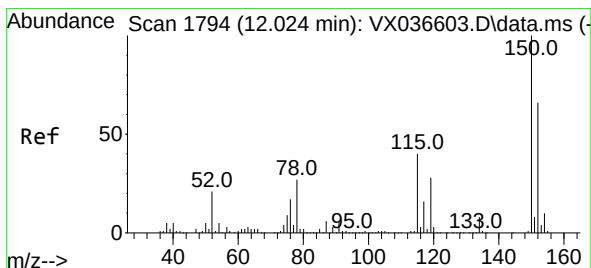
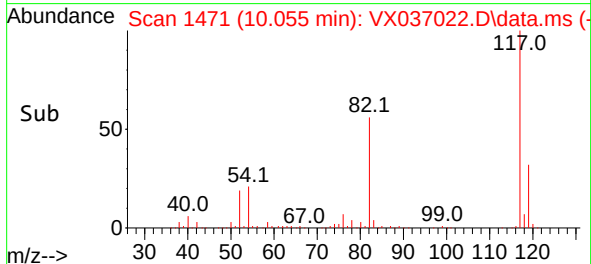
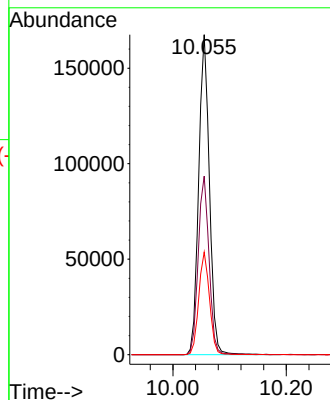
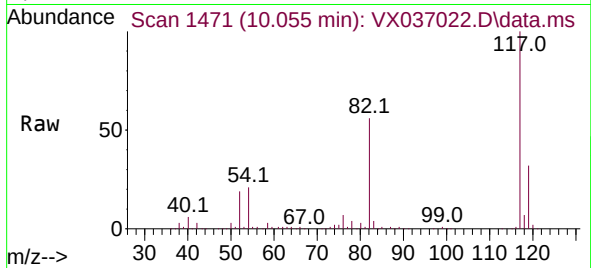




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

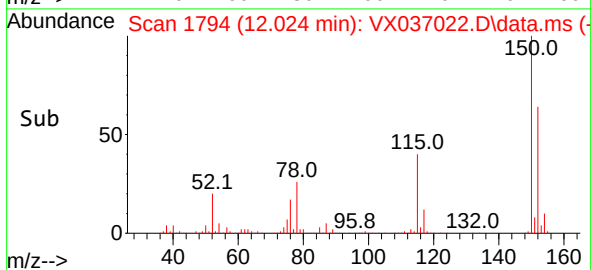
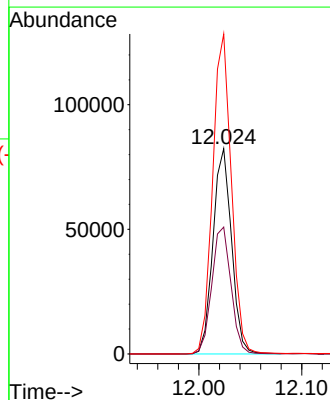
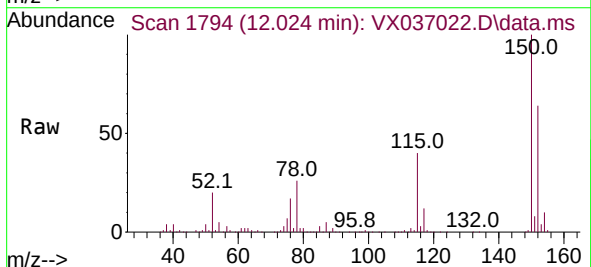
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230815

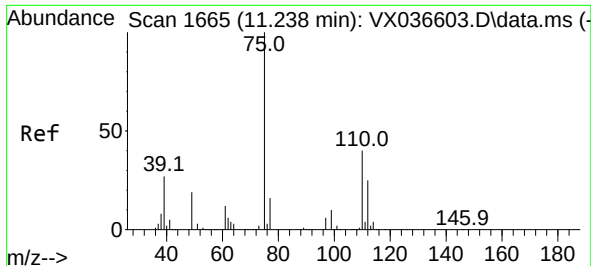
Tgt Ion:117 Resp: 219585
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

Tgt Ion:152 Resp: 103221
Ion Ratio Lower Upper
152 100
115 63.9 43.3 129.9
150 157.2 0.0 345.0

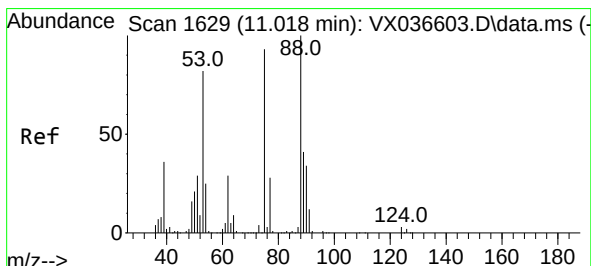
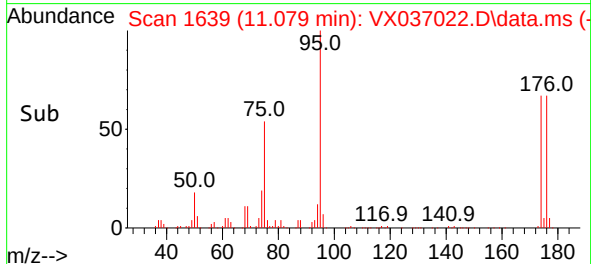
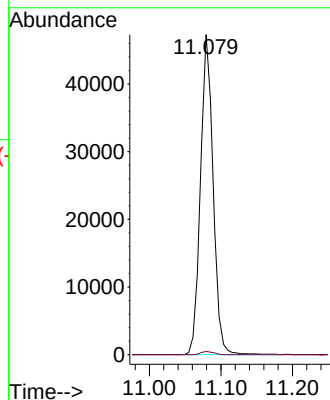
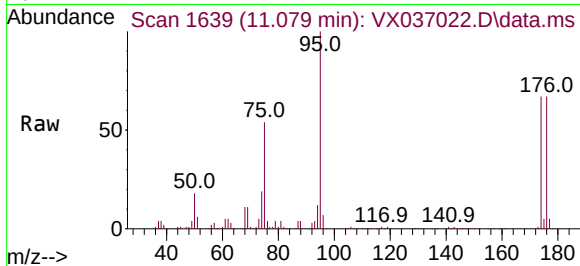




#76
1,2,3-Trichloropropane
Concen: 23.901 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

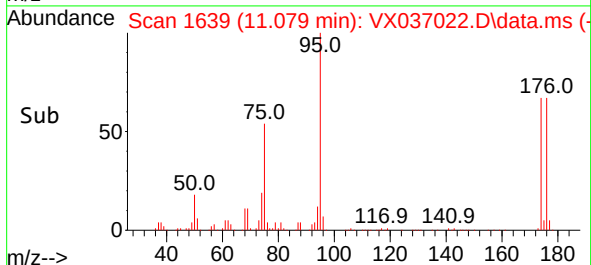
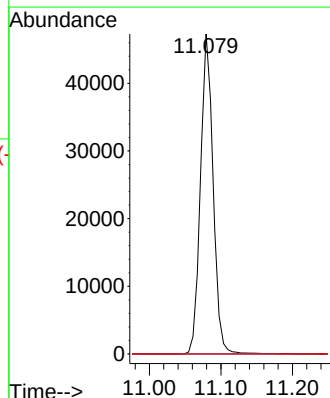
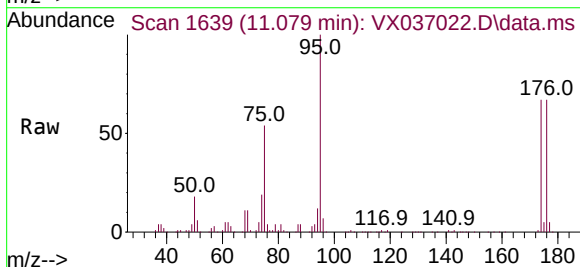
Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20230815

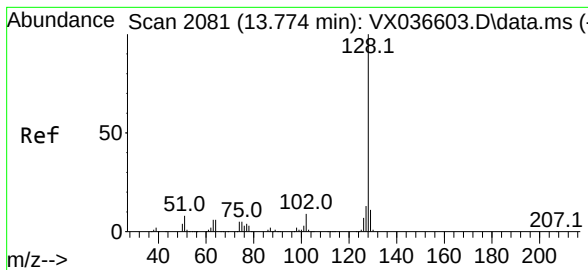
Tgt Ion: 75 Resp: 58028
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.173 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037022.D
Acq: 16 Aug 2023 17:00

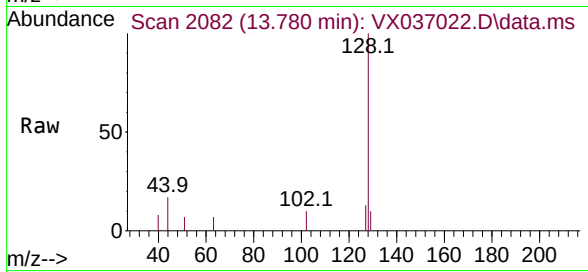
Tgt Ion: 75 Resp: 58028
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#95
 Naphthalene
 Concen: 0.219 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX037022.D
 Acq: 16 Aug 2023 17:00

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D2-20230815



Tgt Ion:	128	Resp:	1633
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.8	13.2

