

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112122\
 Data File : VX032947.D
 Acq On : 21 Nov 2022 13:13
 Operator : JC/MD
 Sample : N5729-18 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20221118

Quant Time: Nov 22 05:11:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

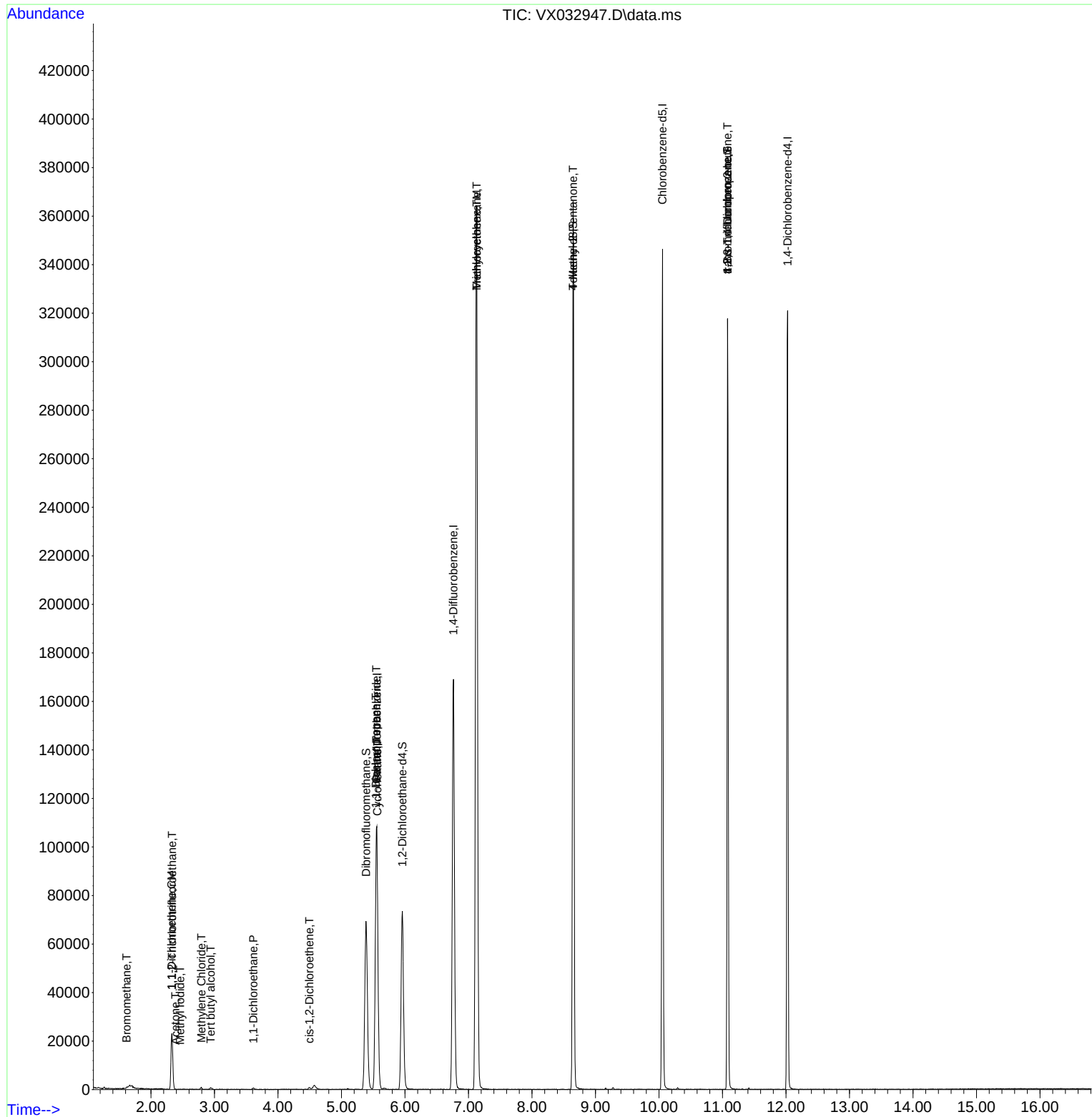
Internal Standards						
1) Pentafluorobenzene	5.556	168	102802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	172254	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	74385	52.075	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.160%
35) Dibromofluoromethane	5.385	113	59244	48.217	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.440%
50) Toluene-d8	8.647	98	213955	50.077	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.160%
62) 4-Bromofluorobenzene	11.079	95	78395	46.973	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.940%
Target Compounds						Qvalue
5) Bromomethane	1.618	94	180	0.204	ug/l #	79
9) 1,1,2-Trichlorotrifluo...	2.331	101	6386	5.786	ug/l	98
10) Methyl Iodide	2.459	142	40	1.948	ug/l #	37
11) Tert butyl alcohol	2.941	59	425	2.044	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	3074	2.982	ug/l #	87
16) Acetone	2.386	43	142	0.274	ug/l #	45
20) Methylene Chloride	2.794	84	345	0.290	ug/l #	93
24) 1,1-Dichloroethane	3.611	63	780	0.381	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	520	0.401	ug/l	86
31) Cyclohexane	5.562	56	2212	1.277	ug/l #	30
36) 1,1-Dichloropropene	5.544	75	8031	4.694	ug/l #	46
38) Carbon Tetrachloride	5.550	117	11002	5.797	ug/l #	15
39) Methylcyclohexane	7.129	83	1817	0.898	ug/l #	1
44) Trichloroethene	7.129	130	142090	104.245	ug/l	100
51) 4-Methyl-2-Pentanone	8.647	43	990	0.575	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	43335	28.938	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	43335	92.082	ug/l #	6

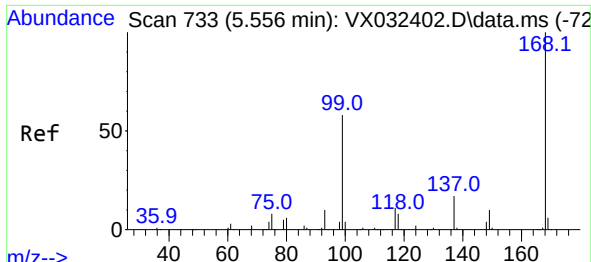
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

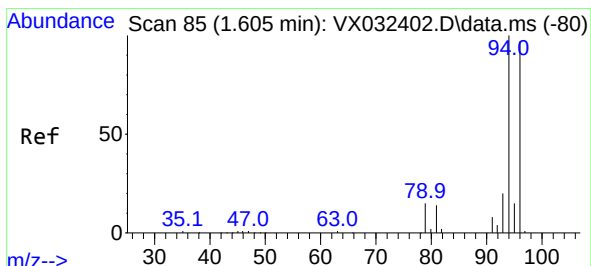
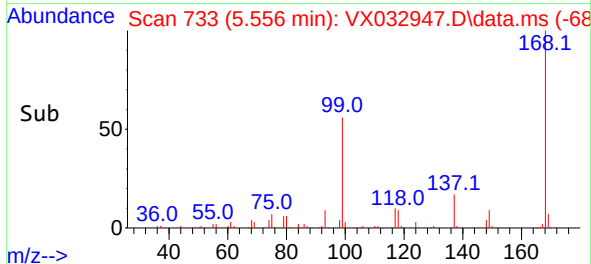
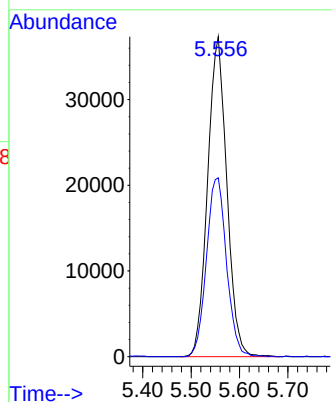
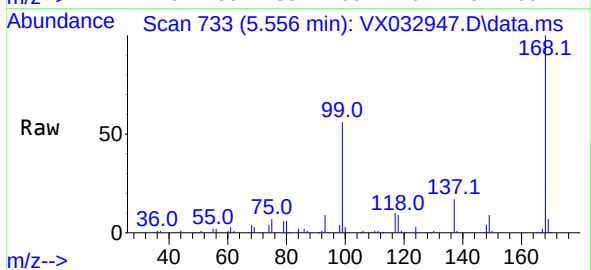




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

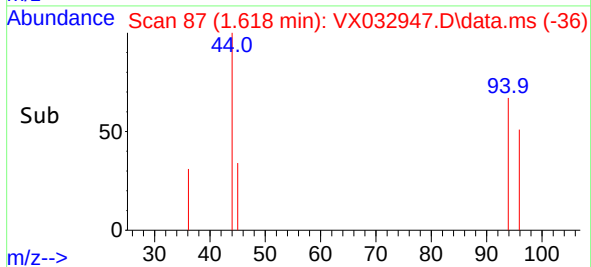
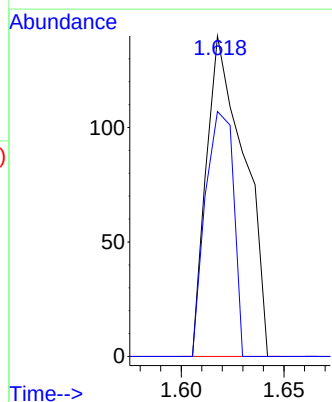
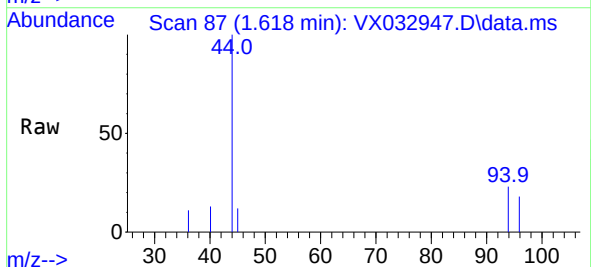
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20221118

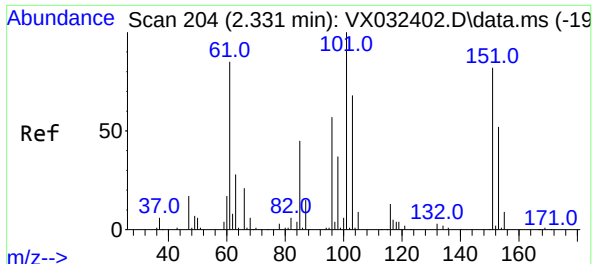
Tgt Ion:168 Resp: 102802
Ion Ratio Lower Upper
168 100
99 55.9 46.1 69.1



#5
Bromomethane
Concen: 0.204 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

Tgt Ion: 94 Resp: 180
Ion Ratio Lower Upper
94 100
96 76.4 77.6 116.4#



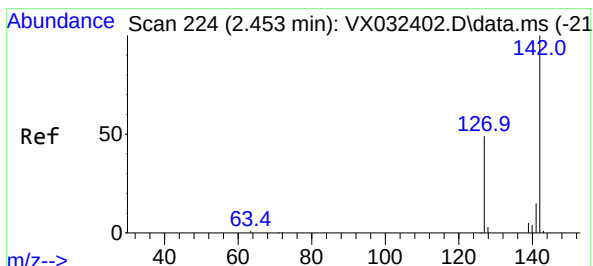
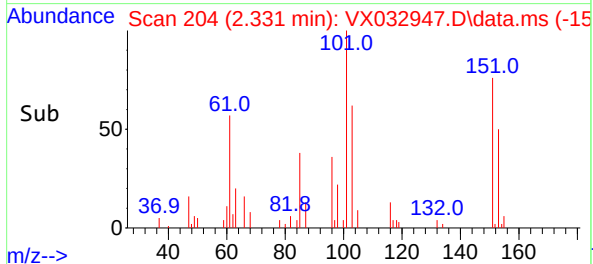
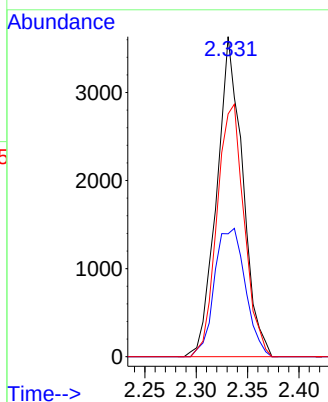
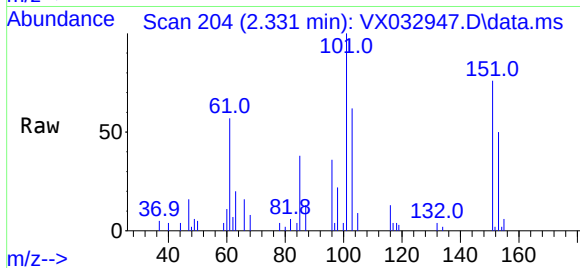


#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.786 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.000 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20221118

Tgt Ion:101 Resp: 6386

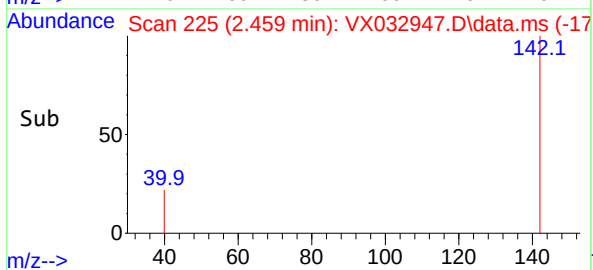
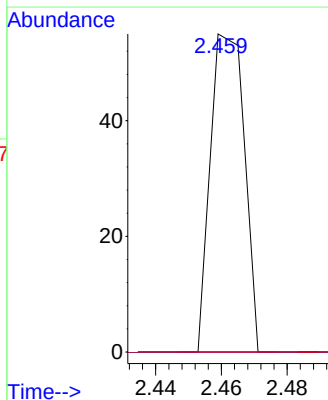
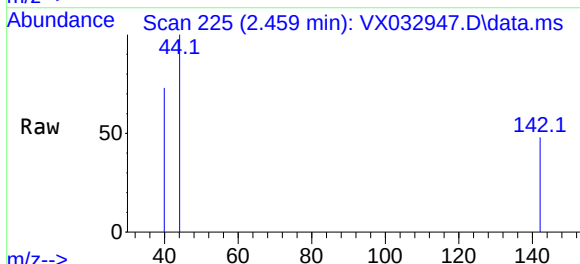
Ion	Ratio	Lower	Upper
101	100		
85	47.6	37.0	55.4
151	82.4	64.4	96.6

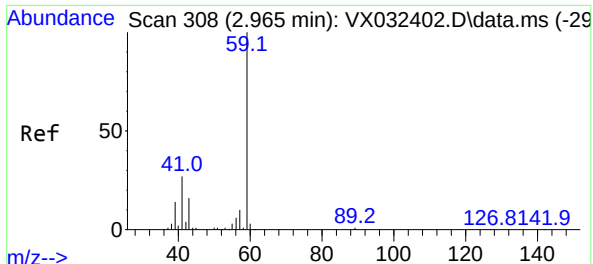


#10
Methyl Iodide
Concen: 1.948 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

Tgt Ion:142 Resp: 40

Ion	Ratio	Lower	Upper
142	100		
127	0.0	38.6	57.8#
141	0.0	11.4	17.2#





#11

Tert butyl alcohol

Concen: 2.044 ug/l

RT: 2.941 min Scan# 308

Delta R.T. -0.024 min

Lab File: VX032947.D

Acq: 21 Nov 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

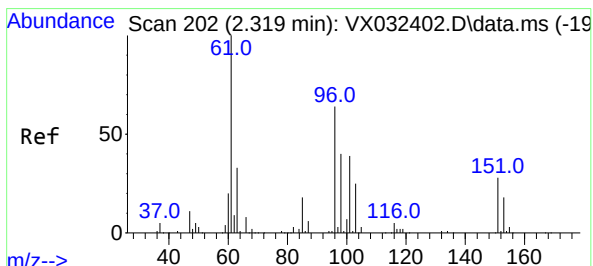
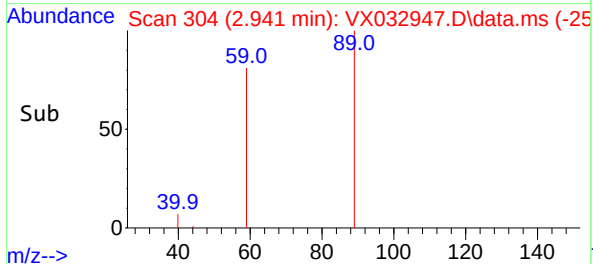
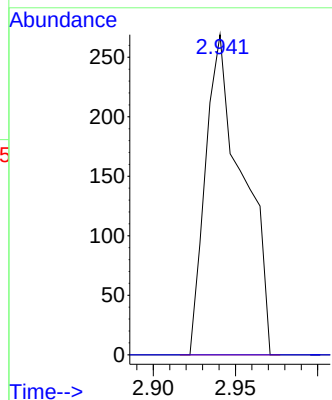
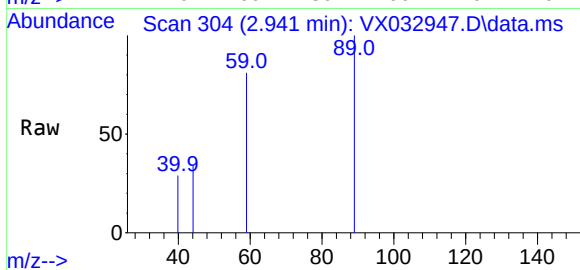
RE115D2-20221118

Tgt Ion: 59 Resp: 425

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 2.982 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX032947.D

Acq: 21 Nov 2022 13:13

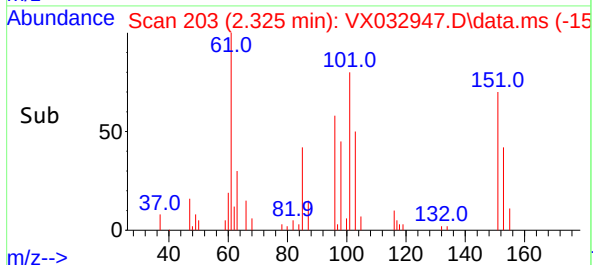
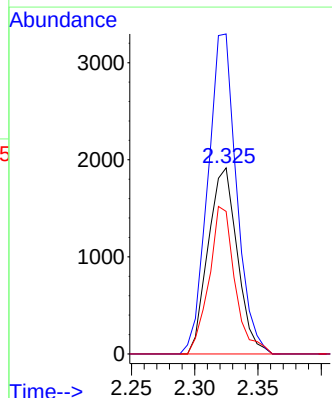
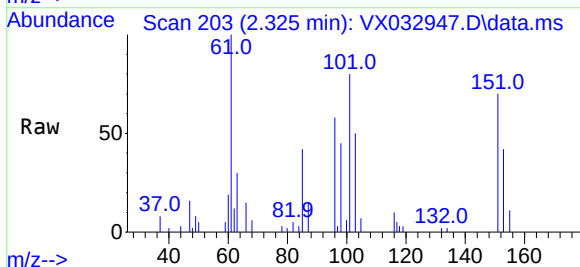
Tgt Ion: 96 Resp: 3074

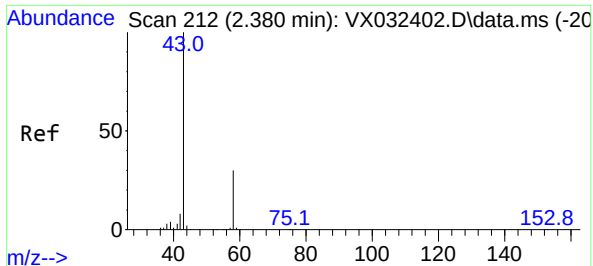
Ion Ratio Lower Upper

96 100

61 172.0 125.1 187.7

98 76.6 50.6 76.0#

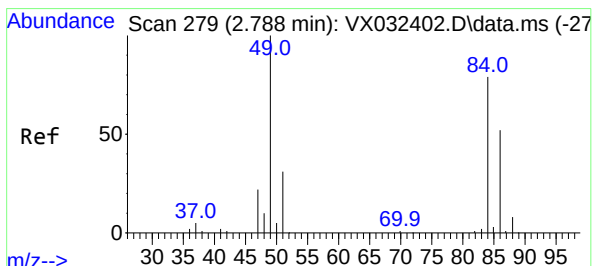
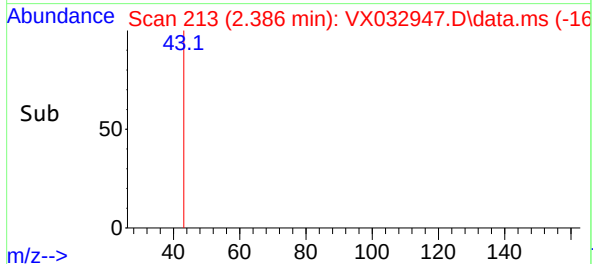
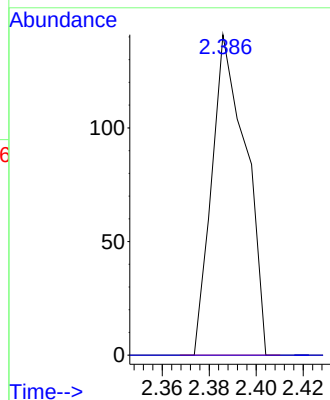
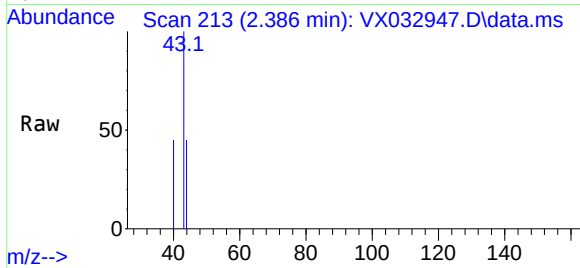




#16
Acetone
Concen: 0.274 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

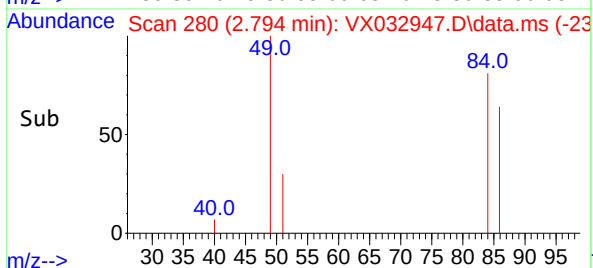
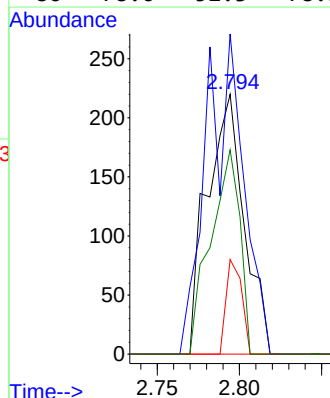
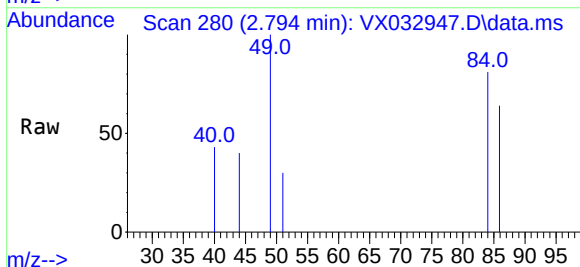
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20221118

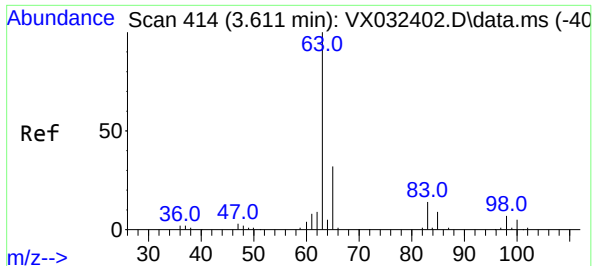
Tgt Ion: 43 Resp: 142
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#20
Methylene Chloride
Concen: 0.290 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

Tgt Ion: 84 Resp: 345
Ion Ratio Lower Upper
84 100
49 123.2 101.0 151.6
51 36.4 31.1 46.7
86 78.6 52.3 78.5#

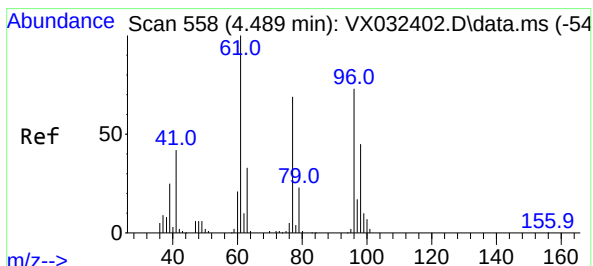
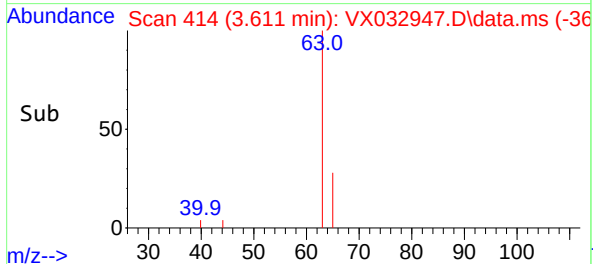
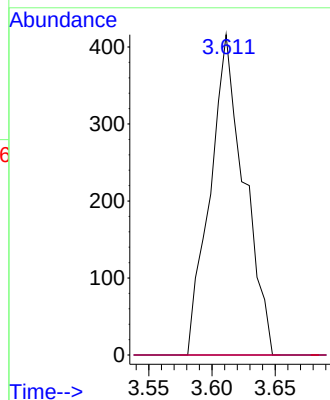
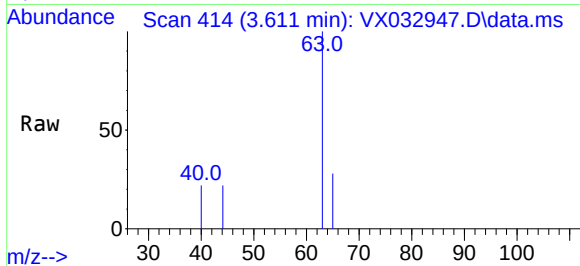




#24
1,1-Dichloroethane
Concen: 0.381 ug/l
RT: 3.611 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

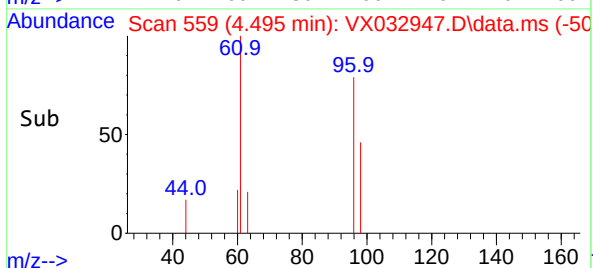
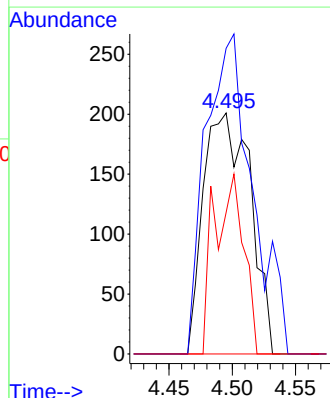
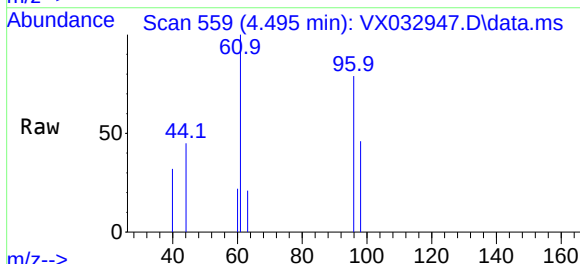
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20221118

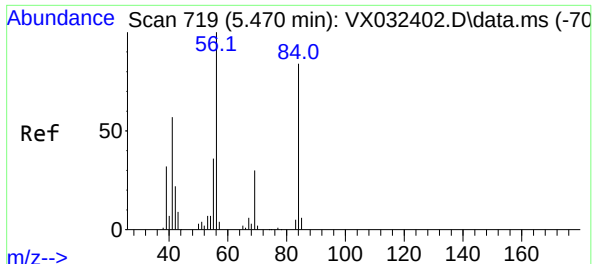
Tgt Ion: 63 Resp: 780
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 0.401 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

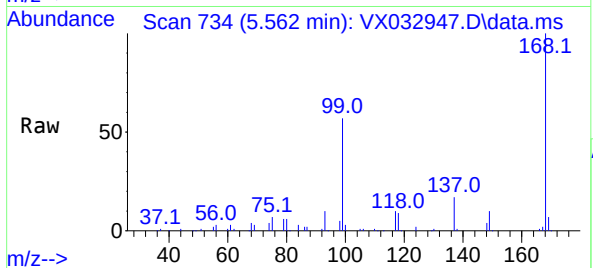
Tgt Ion: 96 Resp: 520
Ion Ratio Lower Upper
96 100
61 131.5 0.0 286.0
98 46.5 0.0 129.6



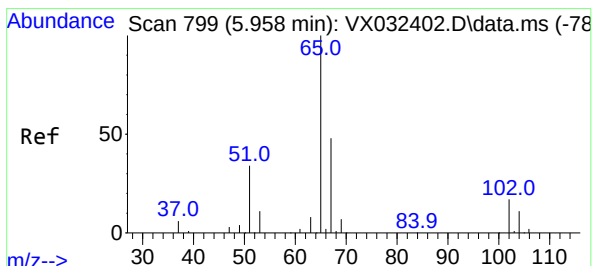
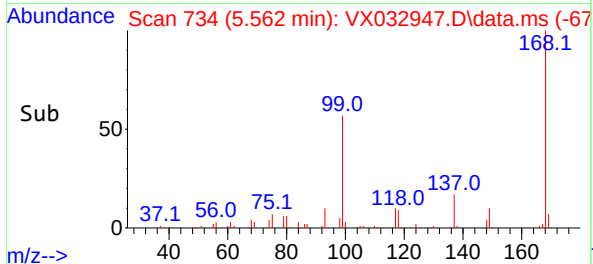
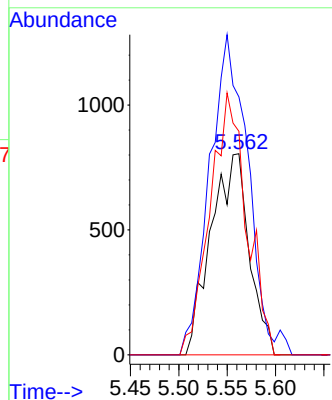


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20221118

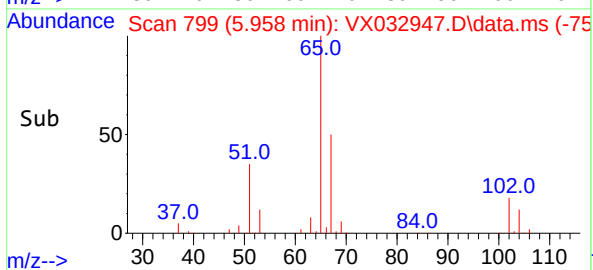
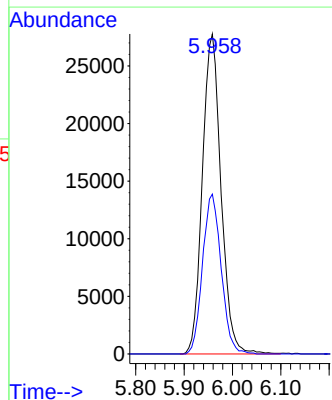
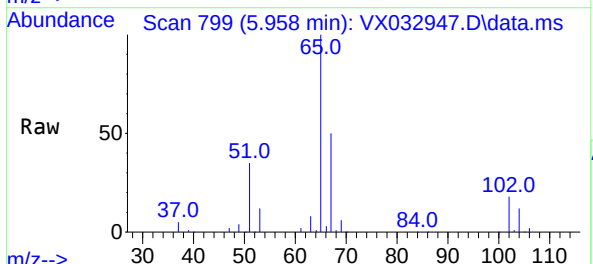


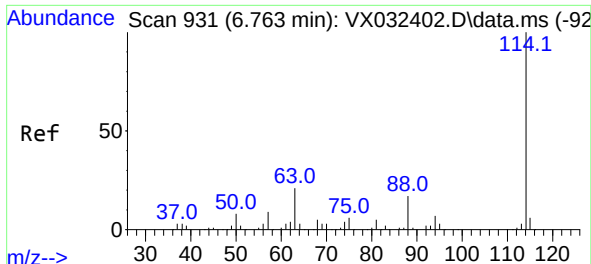
Tgt Ion: 56 Resp: 2212
Ion Ratio Lower Upper
56 100
69 128.3 24.1 36.1#
84 111.2 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 52.075 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

Tgt Ion: 65 Resp: 74385
Ion Ratio Lower Upper
65 100
67 49.9 0.0 101.8

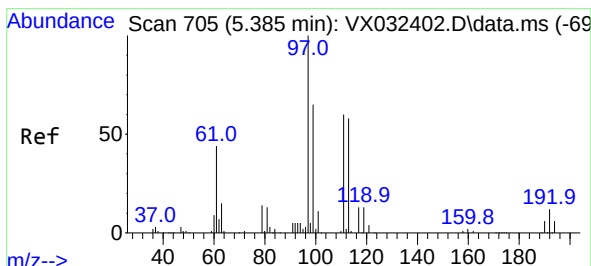
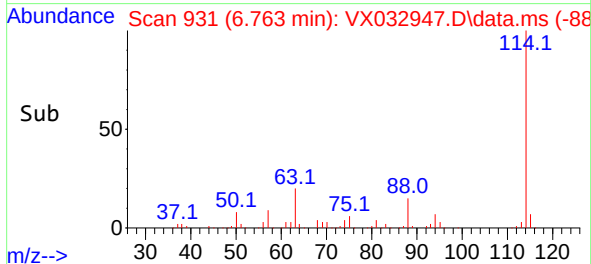
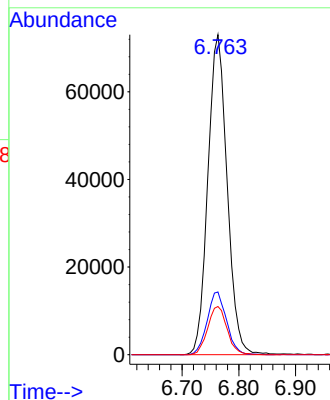
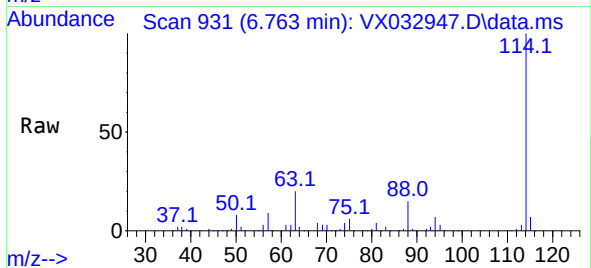




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

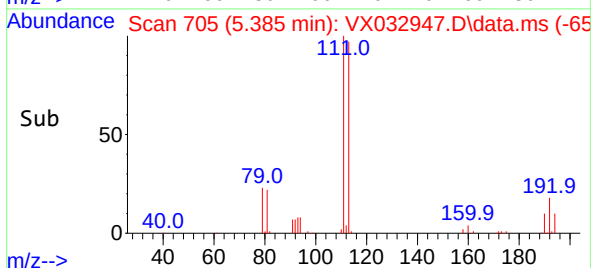
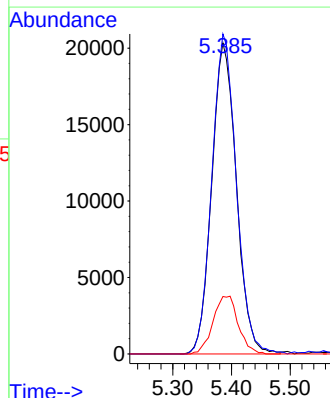
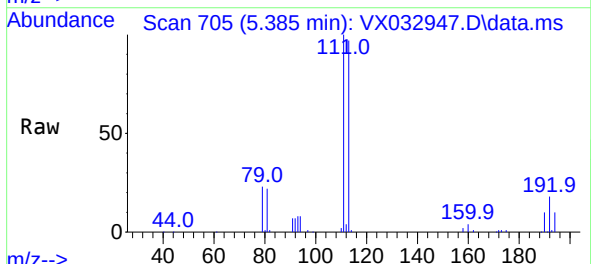
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20221118

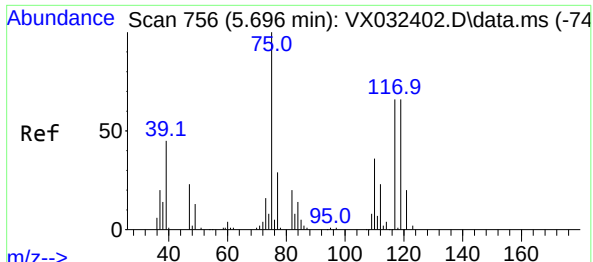
Tgt Ion:114 Resp: 172254
Ion Ratio Lower Upper
114 100
63 19.6 0.0 41.6
88 15.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.217 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

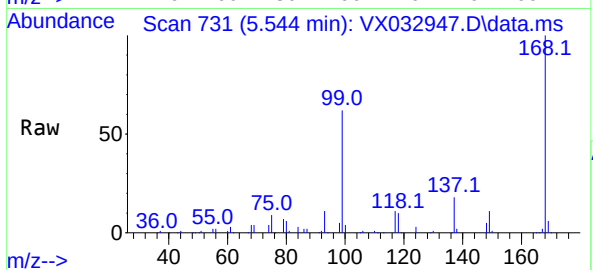
Tgt Ion:113 Resp: 59244
Ion Ratio Lower Upper
113 100
111 102.3 82.4 123.6
192 19.0 15.4 23.2



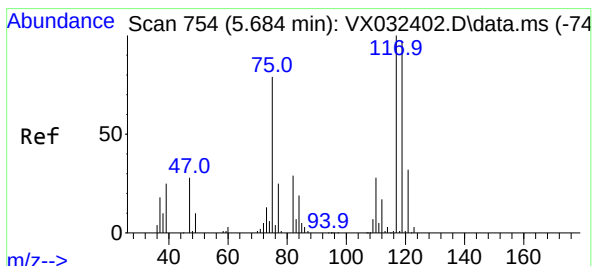
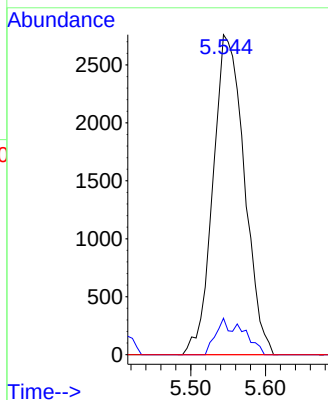
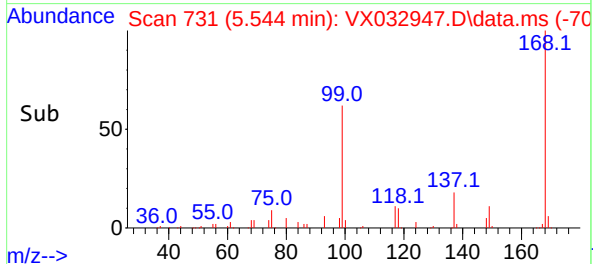


#36
1,1-Dichloropropene
Concen: 4.694 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.152 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

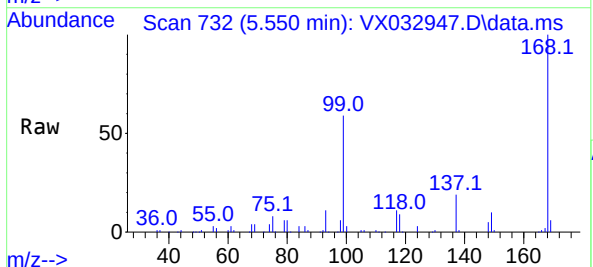
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20221118



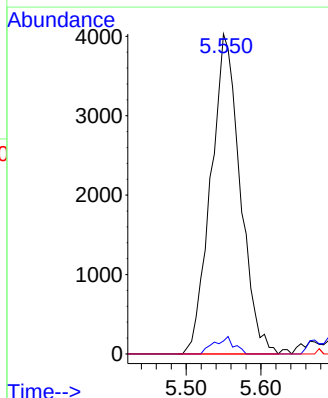
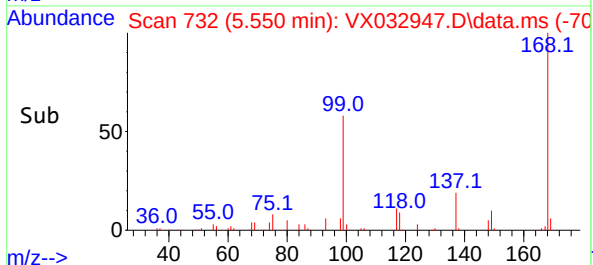
Tgt Ion: 75 Resp: 8031
Ion Ratio Lower Upper
75 100
110 5.5 18.4 55.2#
77 0.0 24.5 36.7#

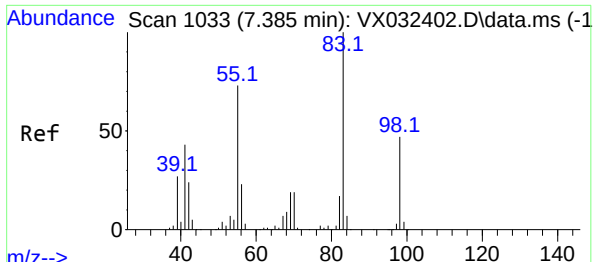


#38
Carbon Tetrachloride
Concen: 5.797 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13



Tgt Ion: 117 Resp: 11002
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.898 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX032947.D

Acq: 21 Nov 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

RE115D2-20221118

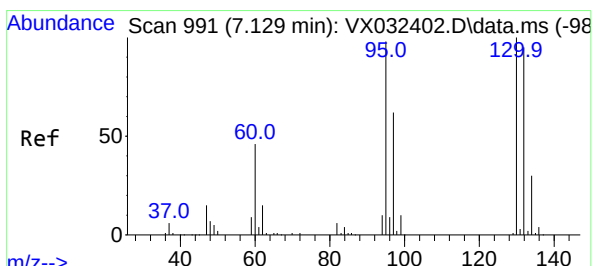
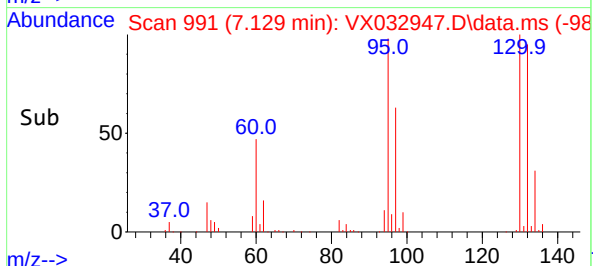
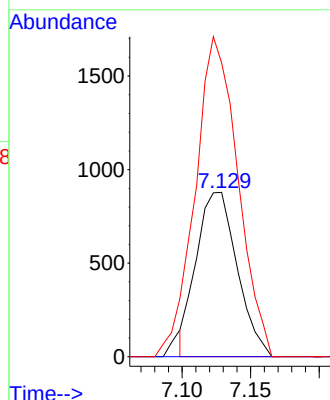
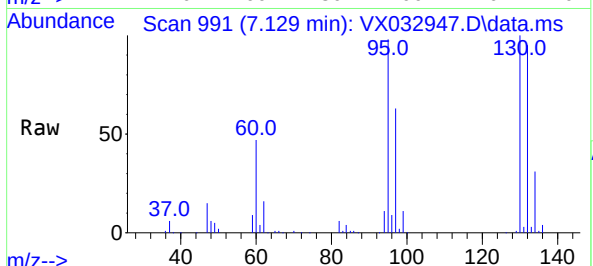
Tgt Ion: 83 Resp: 1817

Ion Ratio Lower Upper

83 100

55 0.0 58.4 87.6#

98 178.8 37.2 55.8#



#44

Trichloroethene

Concen: 104.245 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX032947.D

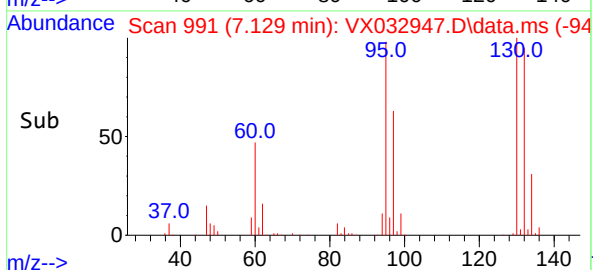
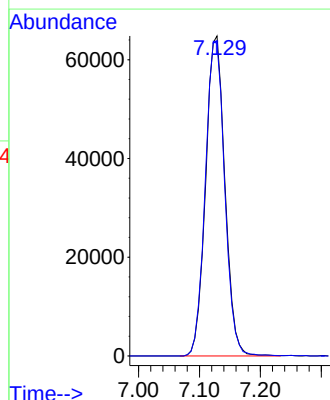
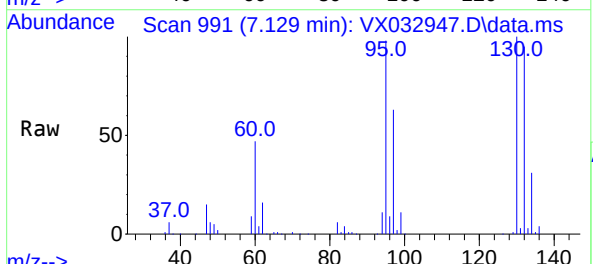
Acq: 21 Nov 2022 13:13

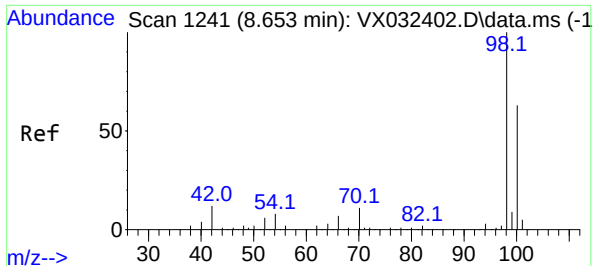
Tgt Ion:130 Resp: 142090

Ion Ratio Lower Upper

130 100

95 97.6 0.0 195.2





#50

Toluene-d8

Concen: 50.077 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032947.D

Acq: 21 Nov 2022 13:13

Instrument :

MSVOA_X

ClientSampleId :

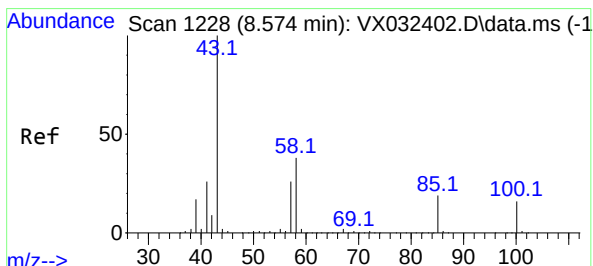
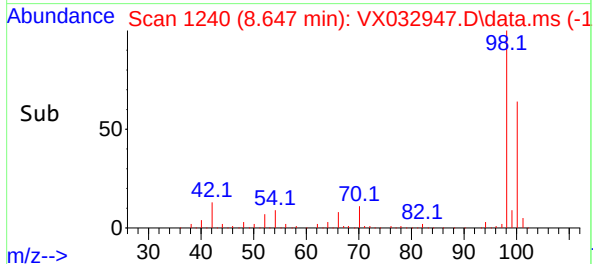
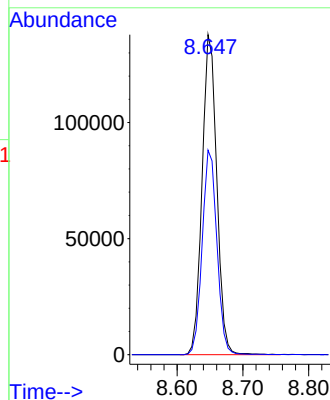
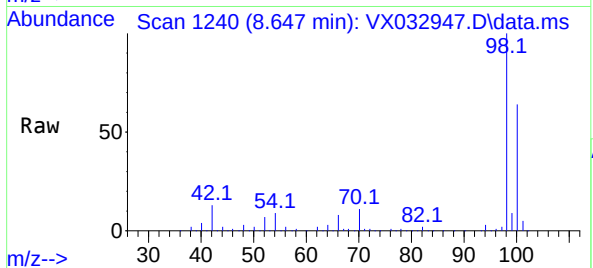
RE115D2-20221118

Tgt Ion: 98 Resp: 213955

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.575 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX032947.D

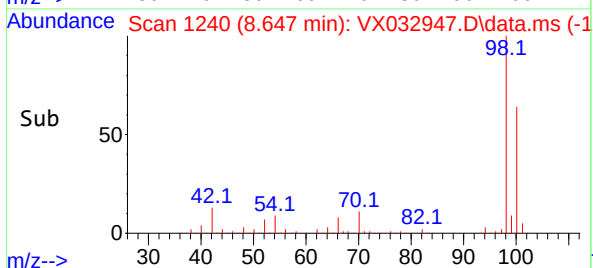
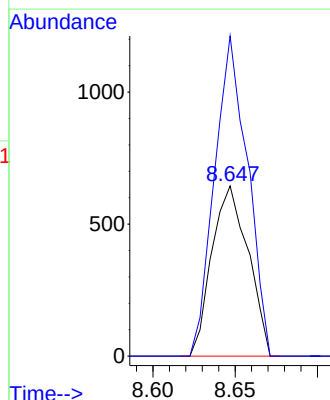
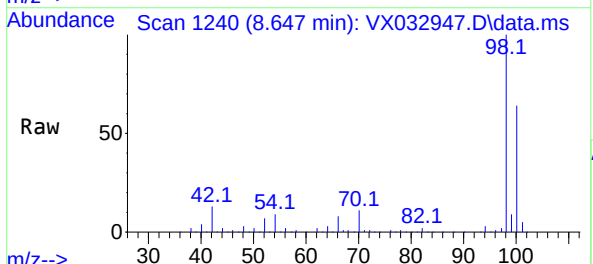
Acq: 21 Nov 2022 13:13

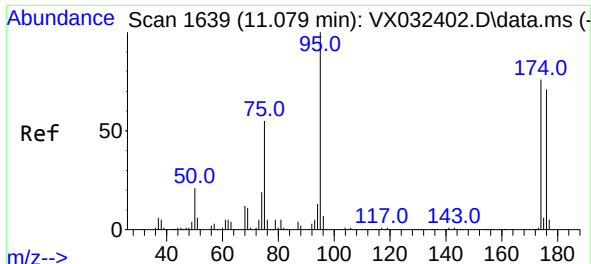
Tgt Ion: 43 Resp: 990

Ion Ratio Lower Upper

43 100

58 171.4 30.9 46.3#

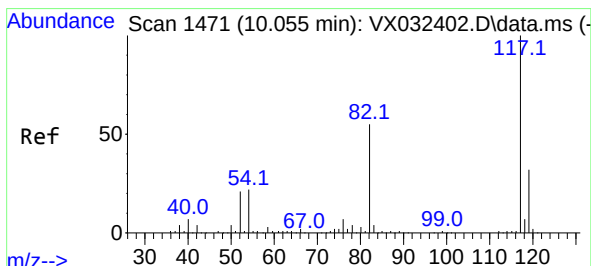
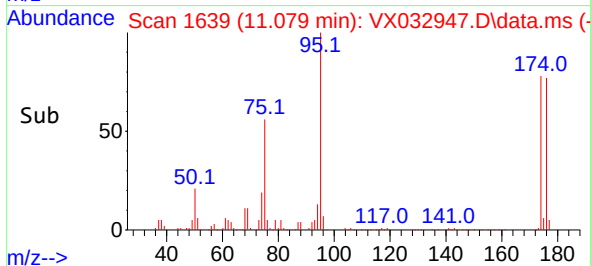
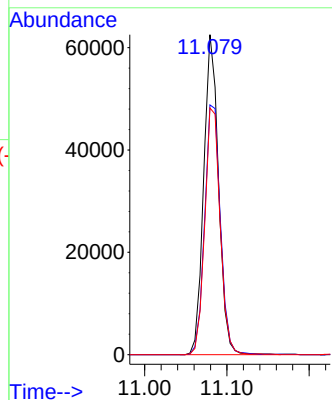
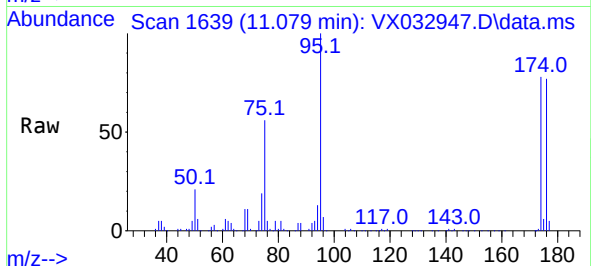




#62
4-Bromofluorobenzene
Concen: 46.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

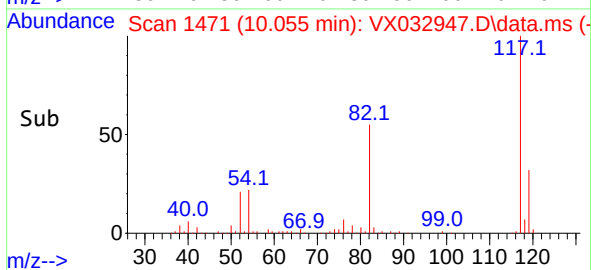
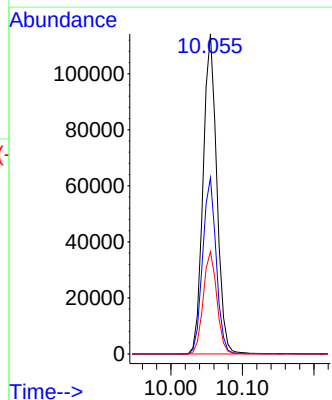
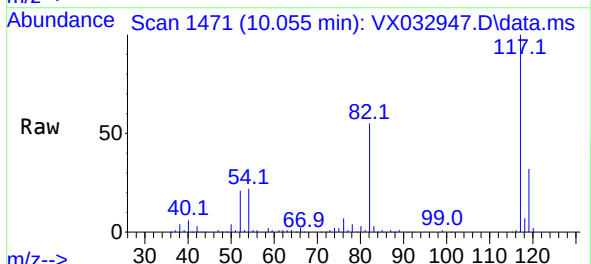
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20221118

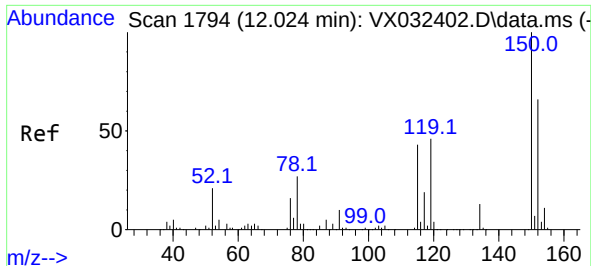
Tgt Ion: 95 Resp: 78395
Ion Ratio Lower Upper
95 100
174 82.8 0.0 164.0
176 80.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

Tgt Ion: 117 Resp: 151894
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 32.0 25.7 38.5

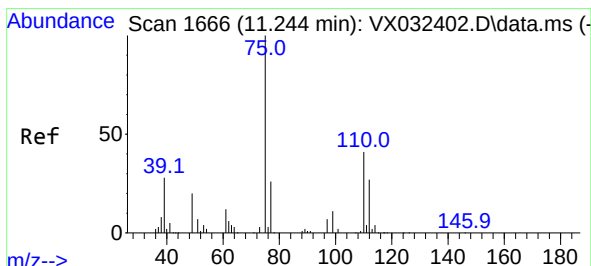
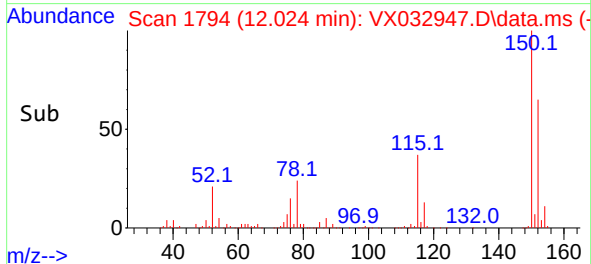
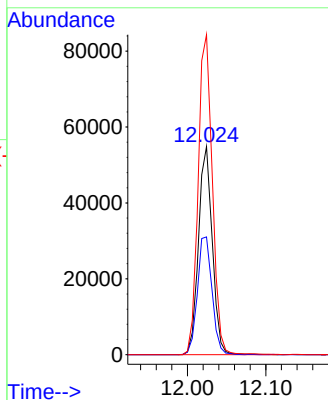
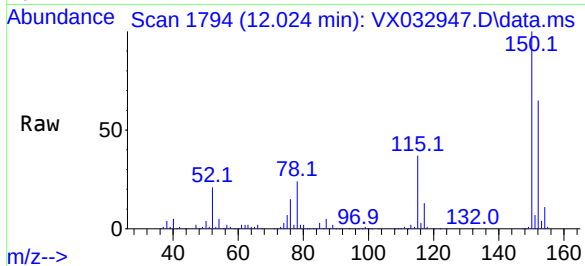




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

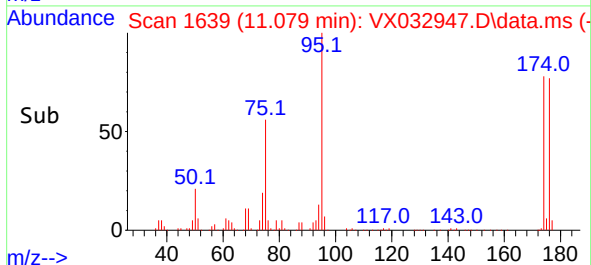
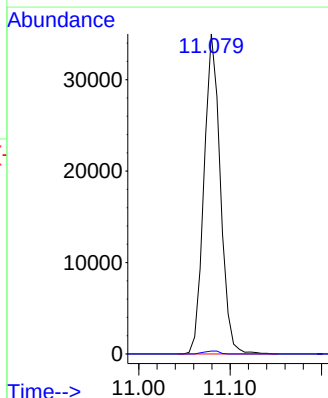
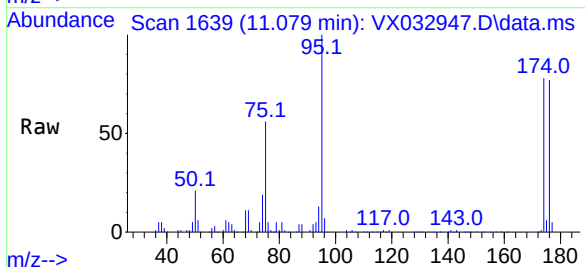
Instrument :
MSVOA_X
ClientSampleId :
RE115D2-20221118

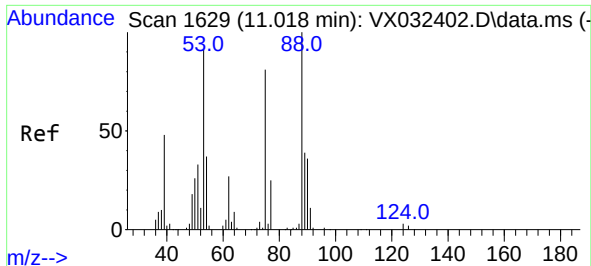
Tgt Ion:152 Resp: 67311
Ion Ratio Lower Upper
152 100
115 59.9 44.0 132.0
150 158.0 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 28.938 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX032947.D
Acq: 21 Nov 2022 13:13

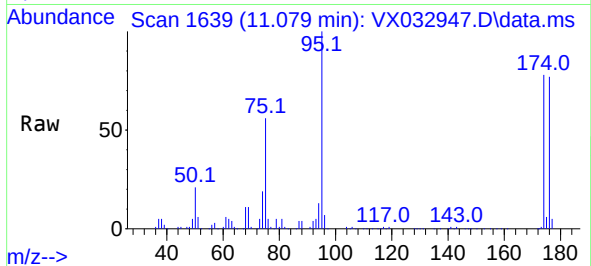
Tgt Ion: 75 Resp: 43335
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.082 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032947.D
 Acq: 21 Nov 2022 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RE115D2-20221118



Tgt Ion: 75 Resp: 43335
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

