

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090222\
 Data File : VX031066.D
 Acq On : 02 Sep 2022 14:51
 Operator : JC/MD
 Sample : N4298-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20220822

Quant Time: Sep 03 00:49:54 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)

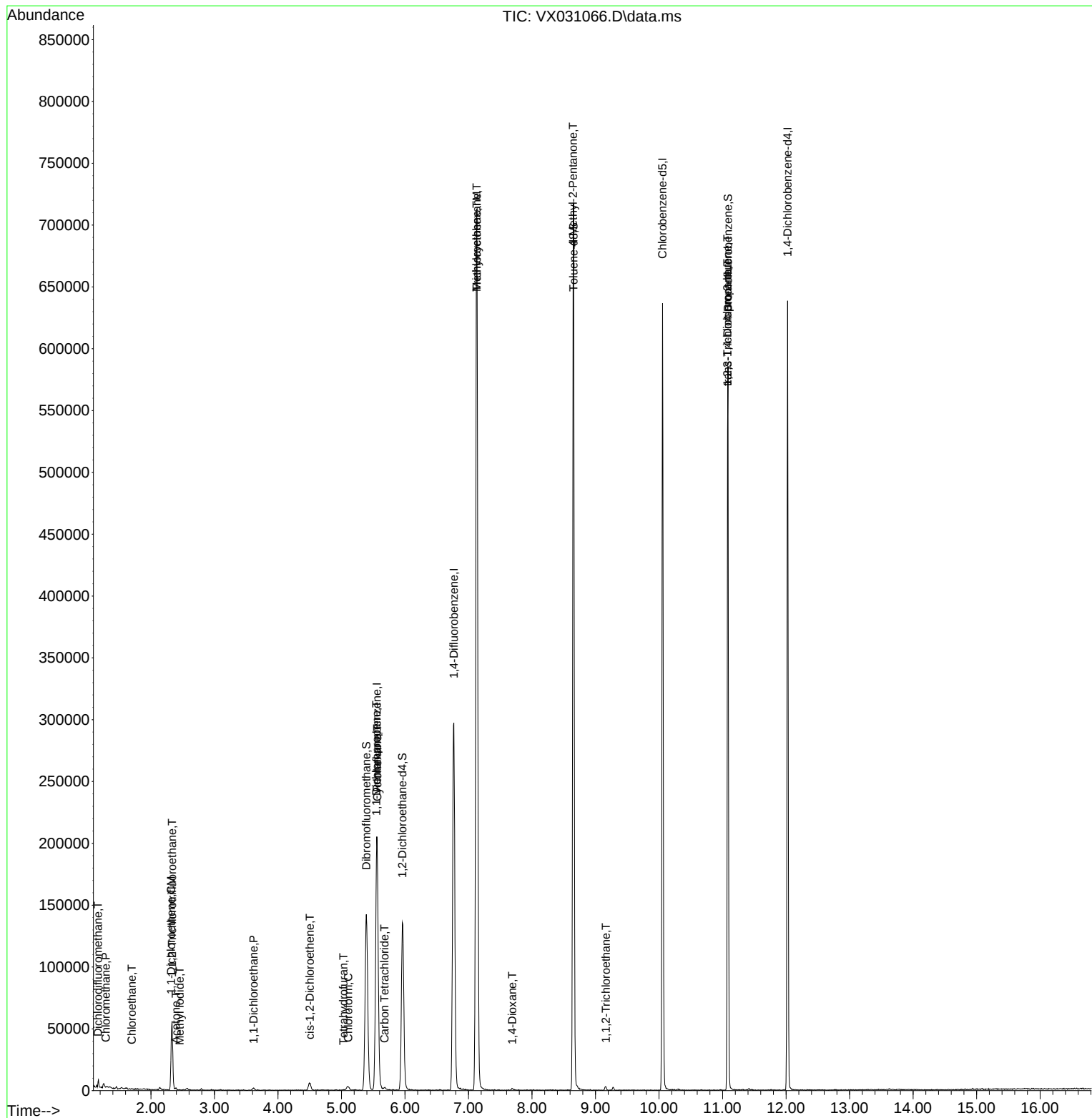
Internal Standards						
1) Pentafluorobenzene	5.556	168	208538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	347982	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	131742	49.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.200%
35) Dibromofluoromethane	5.391	113	128421	50.570	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.140%
50) Toluene-d8	8.653	98	461013	49.327	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.660%
62) 4-Bromofluorobenzene	11.085	95	161577	48.948	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.900%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	2344	1.092	ug/l	89
3) Chloromethane	1.288	50	448	0.916	ug/l #	42
6) Chloroethane	1.697	64	355	1.948	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	18898	7.533	ug/l	92
10) Methyl Iodide	2.453	142	116	2.954	ug/l #	45
11) Tert butyl alcohol	2.983	59	168	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	4067	1.679	ug/l	100
16) Acetone	2.392	43	1108	1.070	ug/l #	72
20) Methylene Chloride	2.794	84	490	Below Cal	#	76
24) 1,1-Dichloroethane	3.617	63	2125	0.486	ug/l #	82
27) cis-1,2-Dichloroethene	4.501	96	4398	1.456	ug/l	80
29) Tetrahydrofuran	5.031	42	342	0.332	ug/l #	62
30) Chloroform	5.105	83	4297	0.897	ug/l	98
31) Cyclohexane	5.562	56	3069	0.837	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14092	3.962	ug/l #	50
38) Carbon Tetrachloride	5.678	117	1281	0.347	ug/l #	74
39) Methylcyclohexane	7.129	83	3160	0.717	ug/l #	1
44) Trichloroethene	7.129	130	302270	93.513	ug/l	98
49) 1,4-Dioxane	7.689	88	1220	16.449	ug/l #	82
51) 4-Methyl-2-Pentanone	8.647	43	1489	0.480	ug/l #	1
55) 1,1,2-Trichloroethane	9.165	97	980	0.348	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	70590	21.224	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	70590	66.702	ug/l #	12

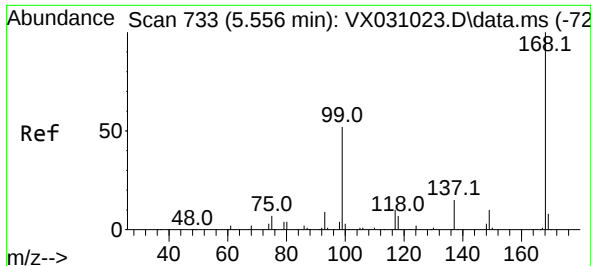
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
RE132D5-20220822

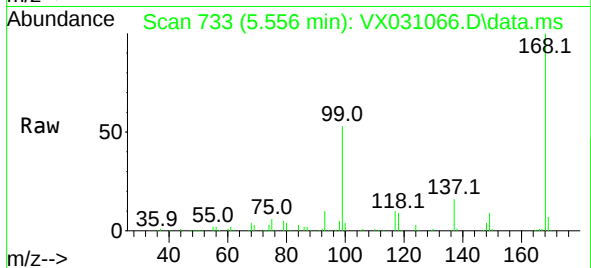
Quant Time: Sep 03 00:49:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration



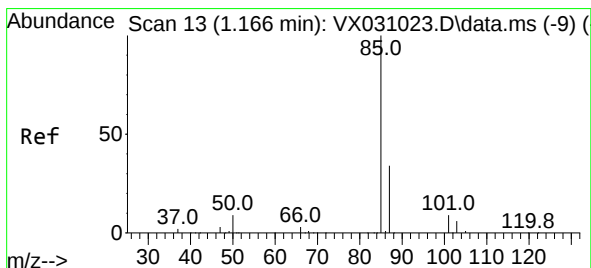
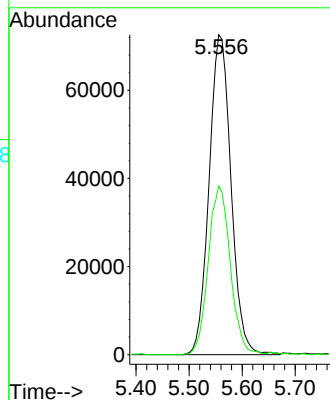
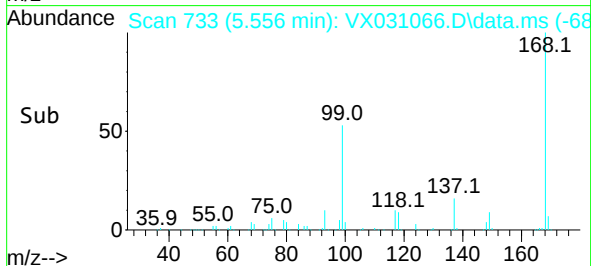


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

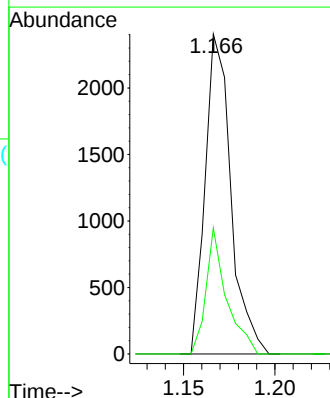
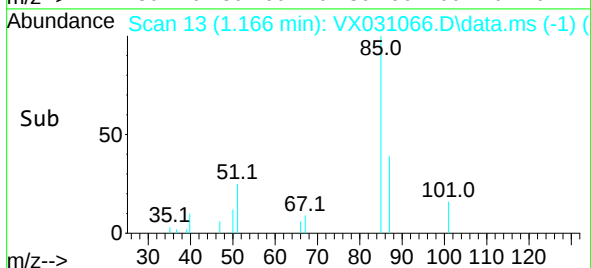
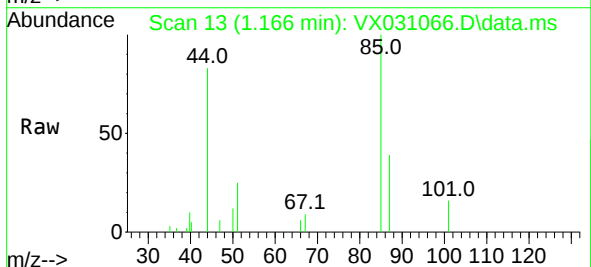


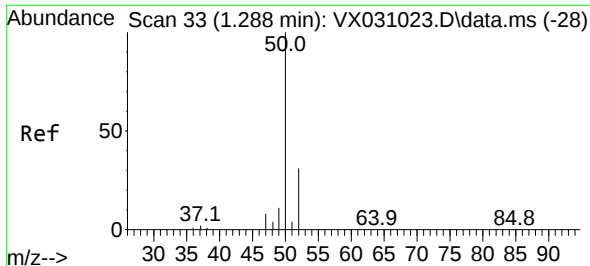
Tgt Ion:168 Resp: 208538
Ion Ratio Lower Upper
168 100
99 52.8 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 1.092 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

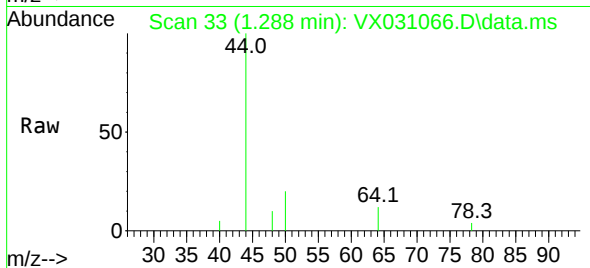
Tgt Ion: 85 Resp: 2344
Ion Ratio Lower Upper
85 100
87 39.4 16.5 49.5



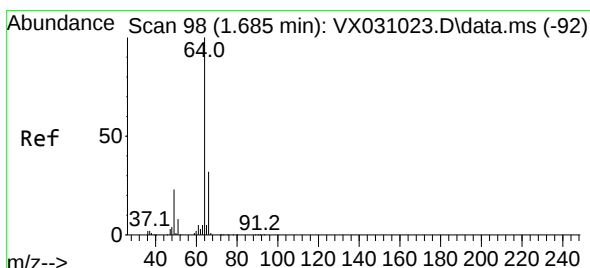
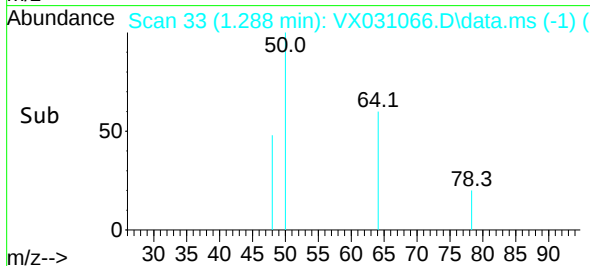
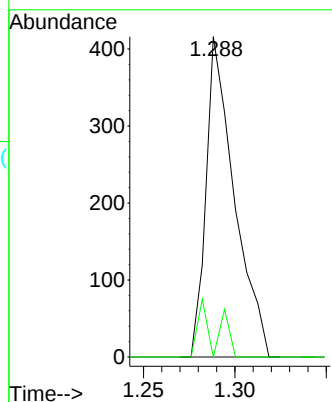


#3
Chloromethane
Concen: 0.916 ug/l
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

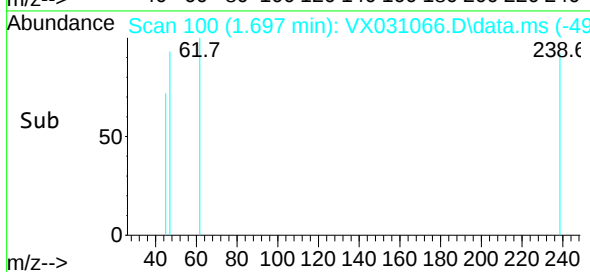
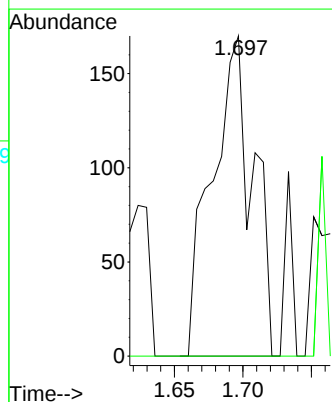
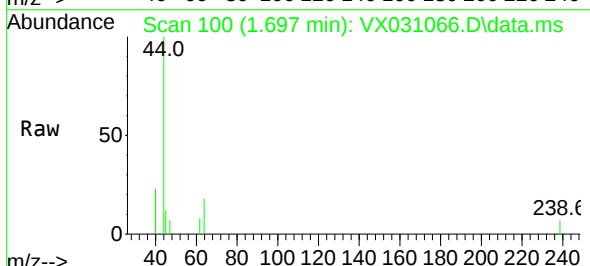


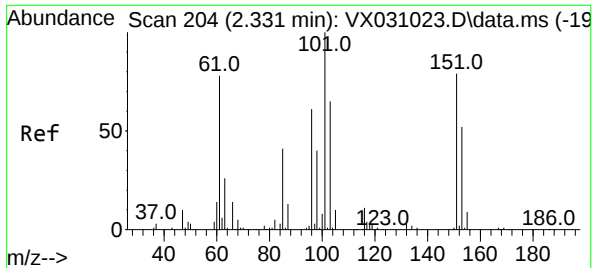
Tgt Ion: 50 Resp: 448
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#6
Chloroethane
Concen: 1.948 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Tgt Ion: 64 Resp: 355
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

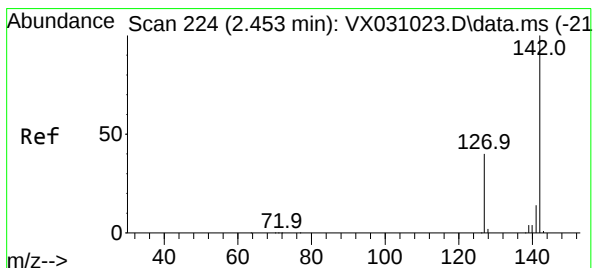
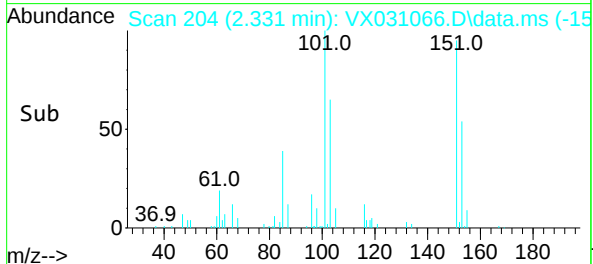
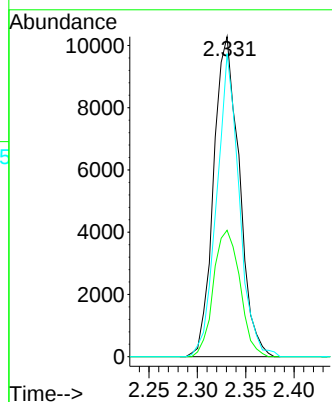
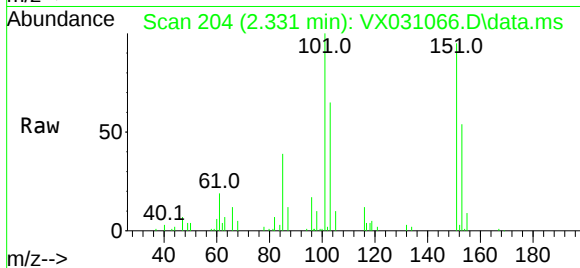




#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.533 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

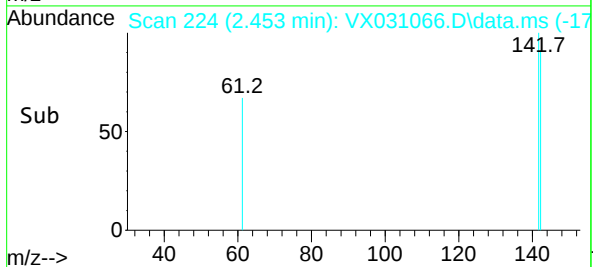
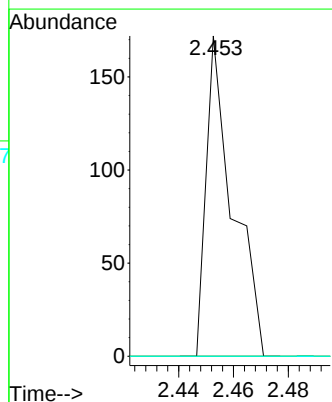
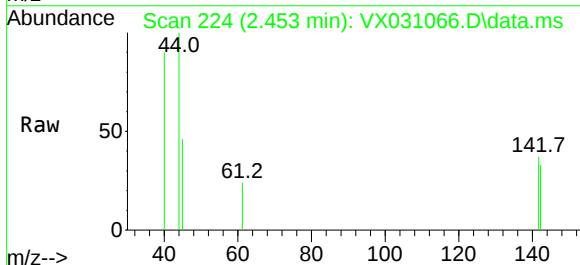
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

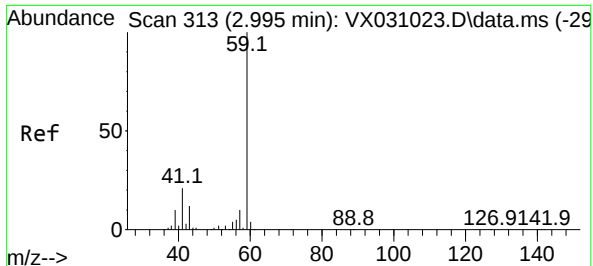
Tgt Ion:101 Resp: 18898
Ion Ratio Lower Upper
101 100
85 40.8 34.0 51.0
151 83.5 59.4 89.0



#10
Methyl Iodide
Concen: 2.954 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Tgt Ion:142 Resp: 116
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: 2.983 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX031066.D

Acq: 02 Sep 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

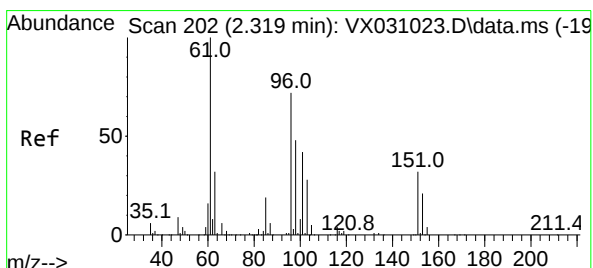
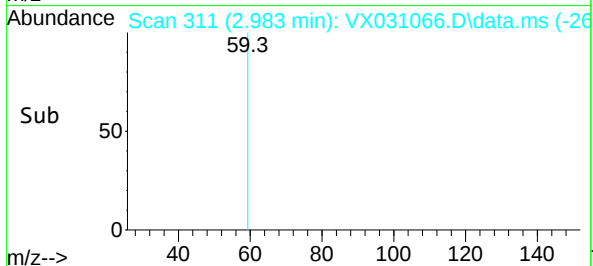
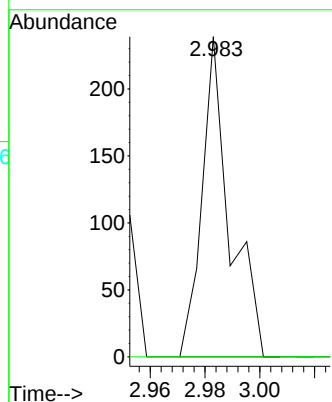
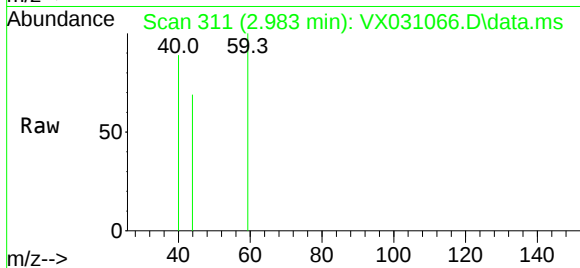
RE132D5-20220822

Tgt Ion: 59 Resp: 168

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 1.679 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX031066.D

Acq: 02 Sep 2022 14:51

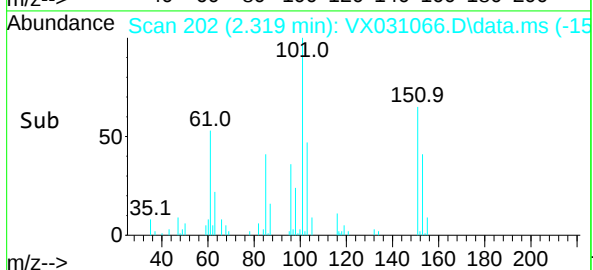
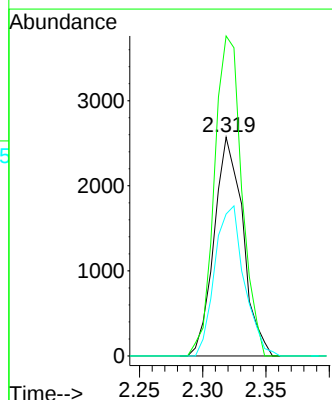
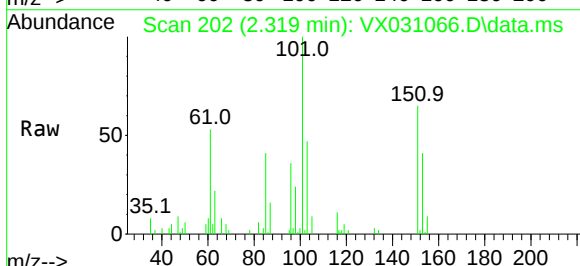
Tgt Ion: 96 Resp: 4067

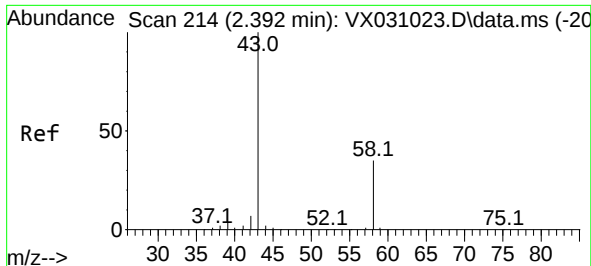
Ion Ratio Lower Upper

96 100

61 146.3 117.4 176.0

98 64.9 52.2 78.4

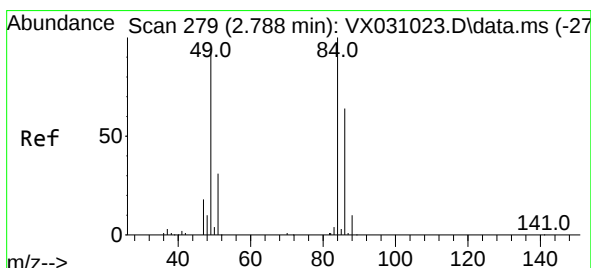
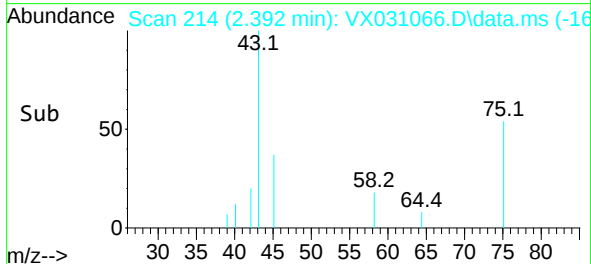
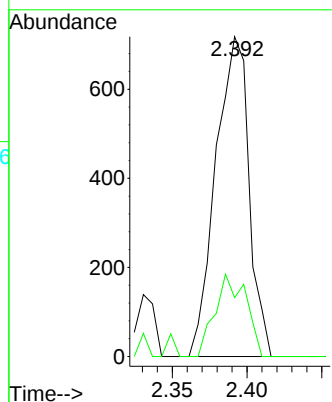
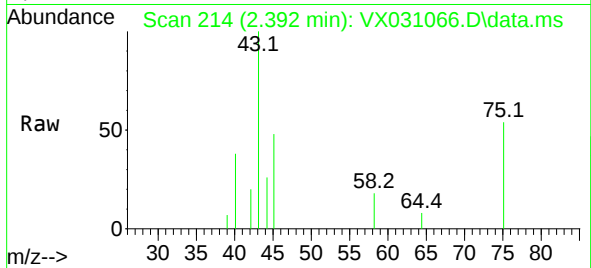




#16
Acetone
Concen: 1.070 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

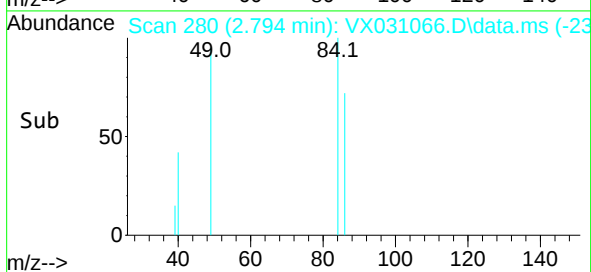
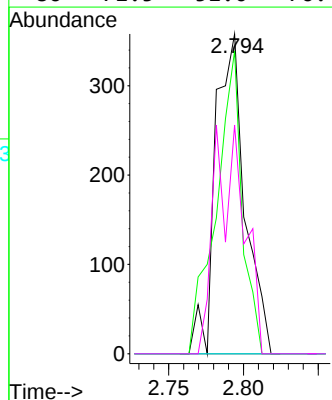
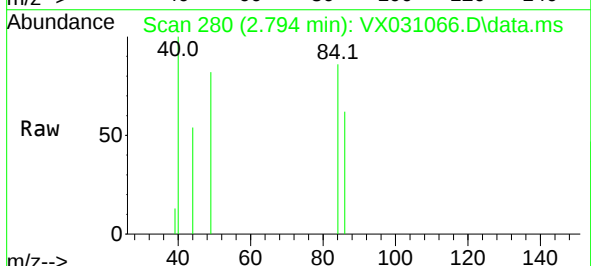
Instrument :
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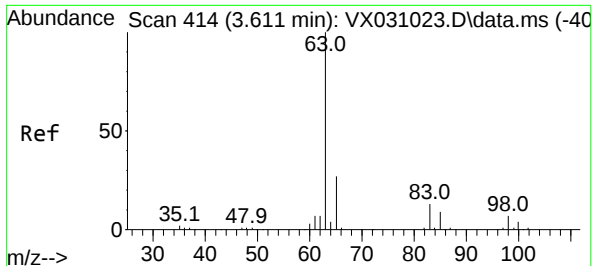
Tgt Ion: 43 Resp: 1108
Ion Ratio Lower Upper
43 100
58 18.4 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Tgt Ion: 84 Resp: 490
Ion Ratio Lower Upper
84 100
49 94.7 93.8 140.6
51 0.0 29.4 44.0#
86 71.5 51.0 76.4

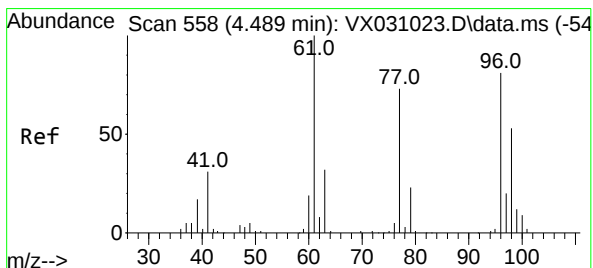
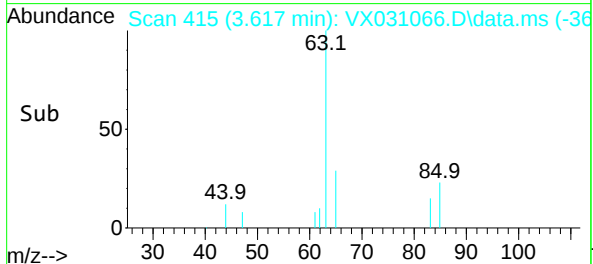
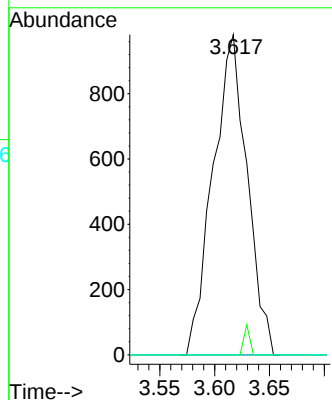
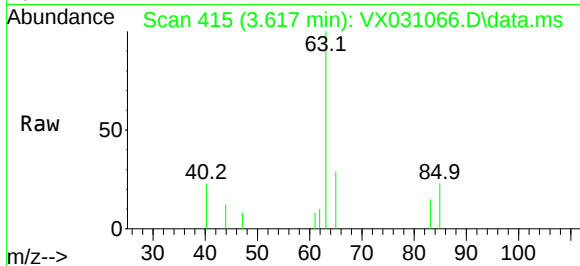




#24
1,1-Dichloroethane
Concen: 0.486 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

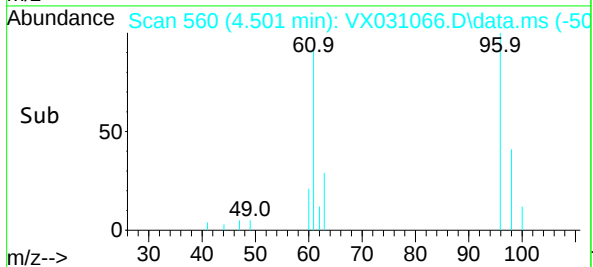
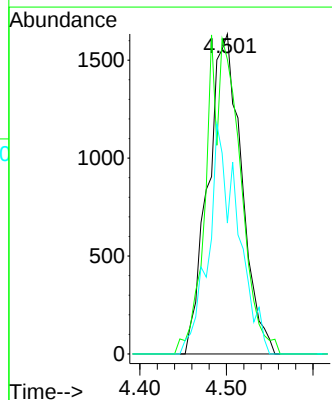
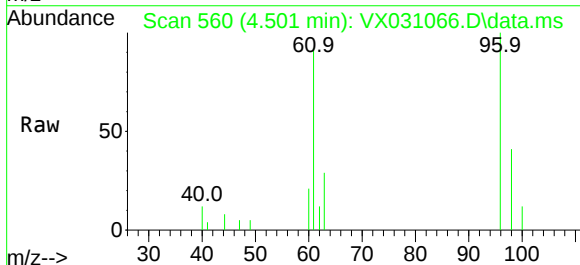
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

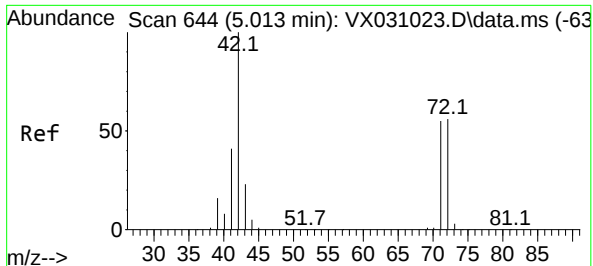
Tgt Ion: 63 Resp: 2125
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.5#
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 1.456 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Tgt Ion: 96 Resp: 4398
Ion Ratio Lower Upper
96 100
61 100.1 0.0 270.0
98 63.3 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.332 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX031066.D

Acq: 02 Sep 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20220822

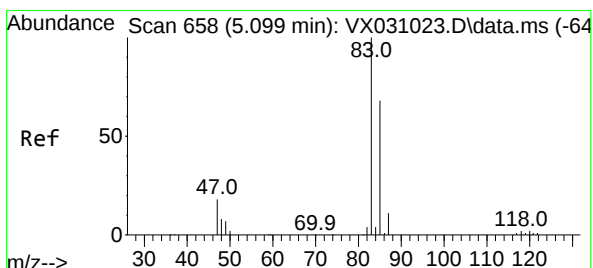
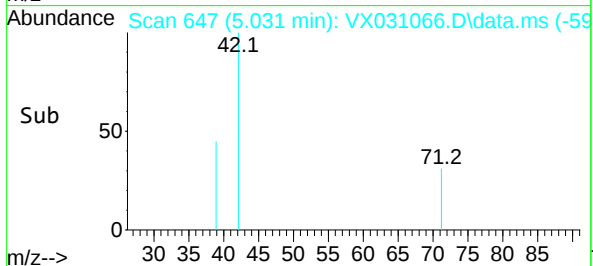
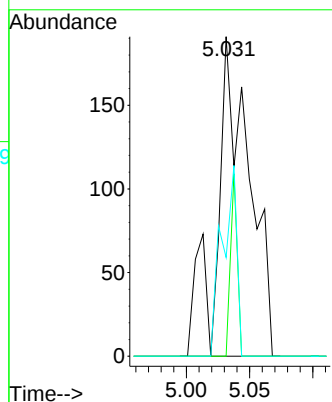
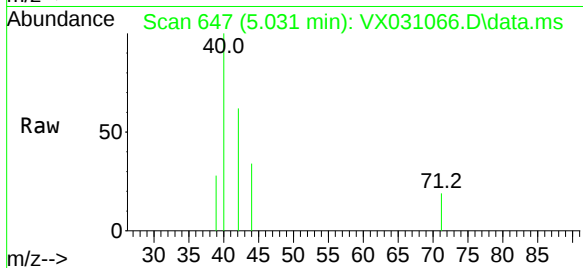
Tgt Ion: 42 Resp: 342

Ion Ratio Lower Upper

42 100

72 11.7 36.5 54.7#

71 26.9 33.9 50.9#



#30

Chloroform

Concen: 0.897 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX031066.D

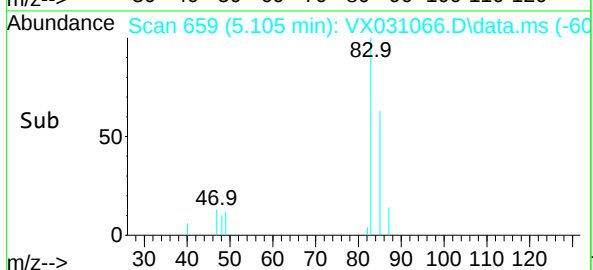
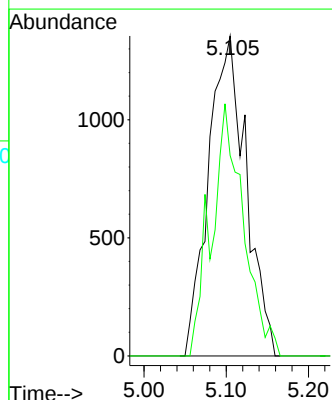
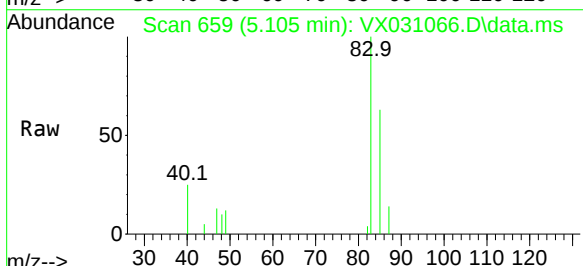
Acq: 02 Sep 2022 14:51

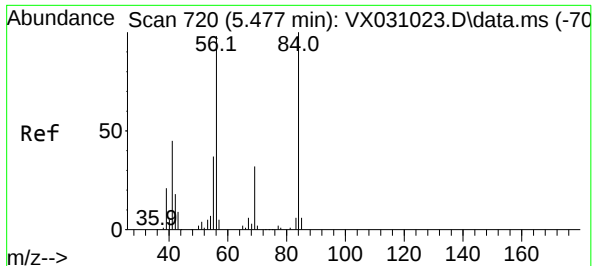
Tgt Ion: 83 Resp: 4297

Ion Ratio Lower Upper

83 100

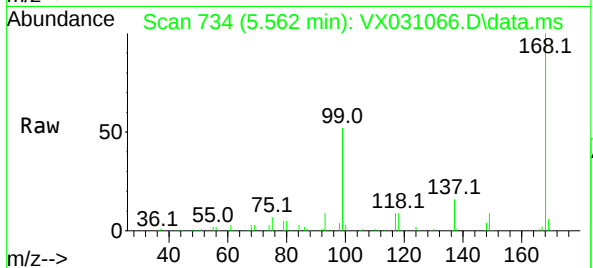
85 62.7 51.5 77.3



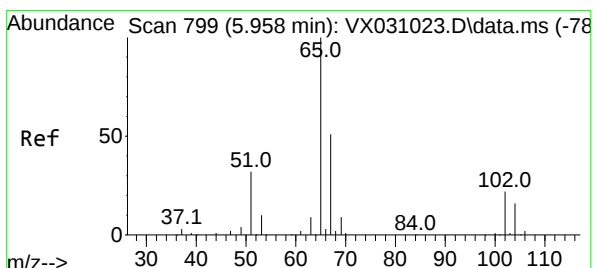
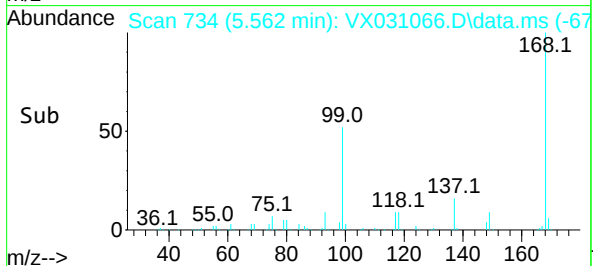
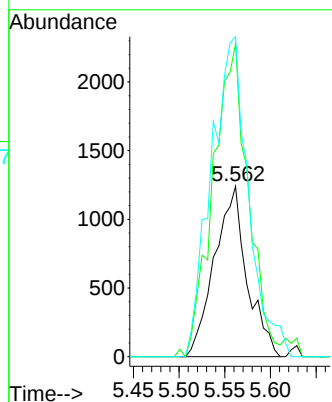


#31
Cyclohexane
Concen: 0.837 ug/l
RT: 5.562 min Scan# 713
Delta R.T. 0.085 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

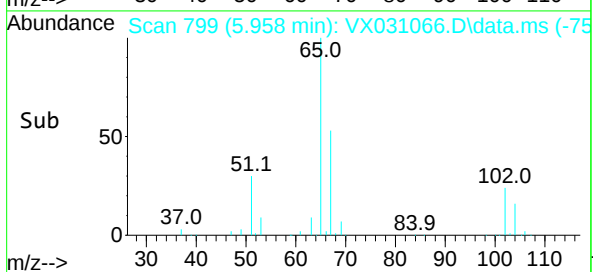
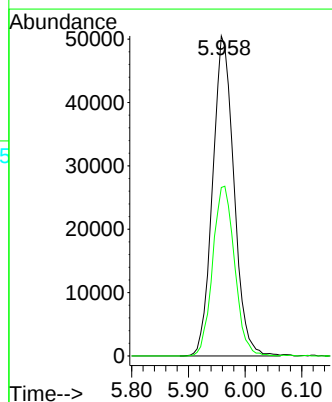
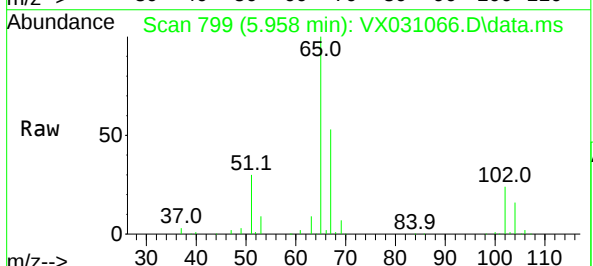


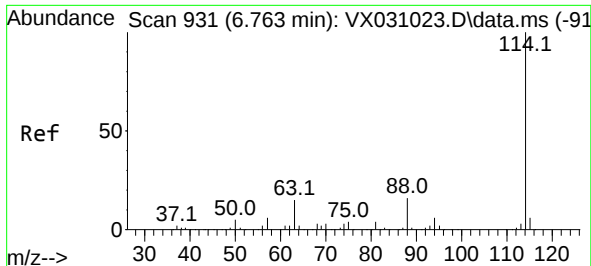
Tgt Ion: 56 Resp: 3069
Ion Ratio Lower Upper
56 100
69 179.3 25.4 38.0#
84 187.8 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 49.098 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Tgt Ion: 65 Resp: 131742
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.6

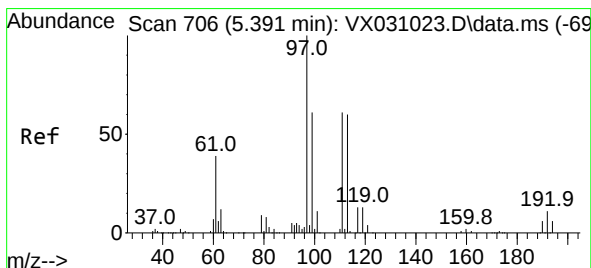
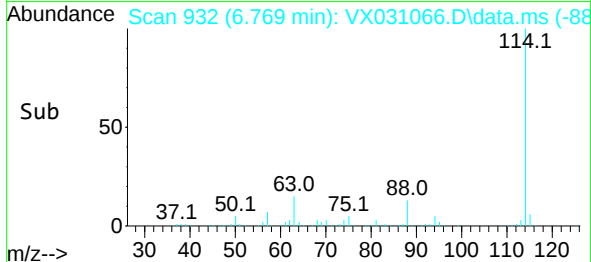
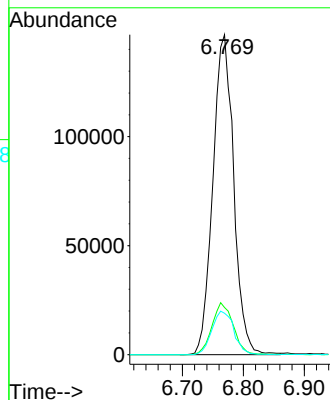
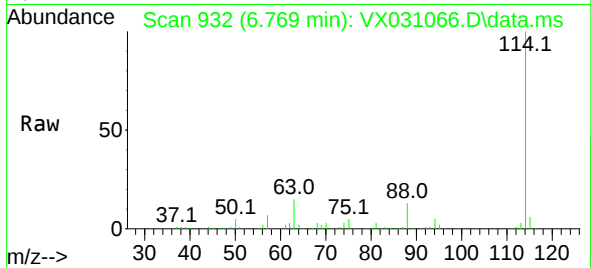




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

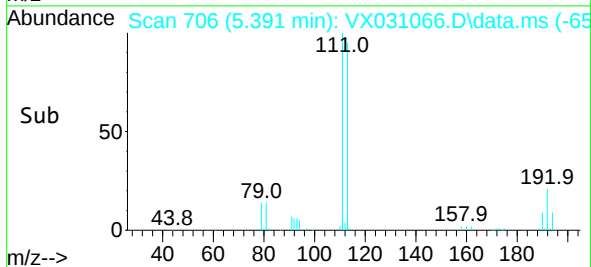
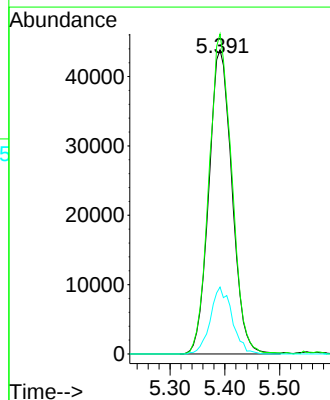
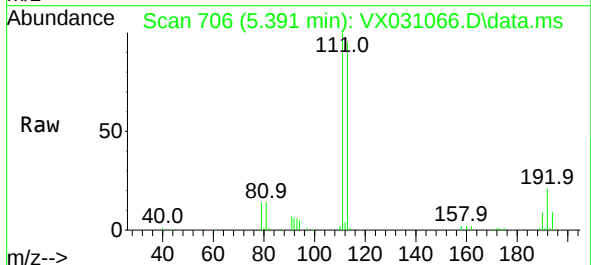
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

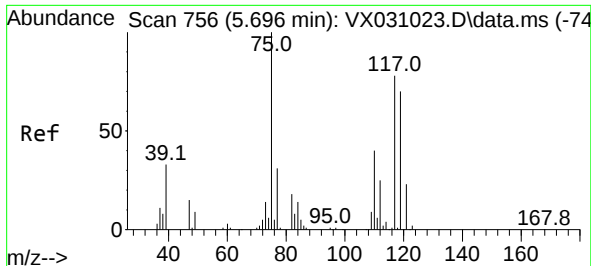
Tgt Ion:114 Resp: 347982
Ion Ratio Lower Upper
114 100
63 14.7 0.0 38.4
88 13.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.570 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Tgt Ion:113 Resp: 128421
Ion Ratio Lower Upper
113 100
111 104.0 83.2 124.8
192 20.8 14.8 22.2

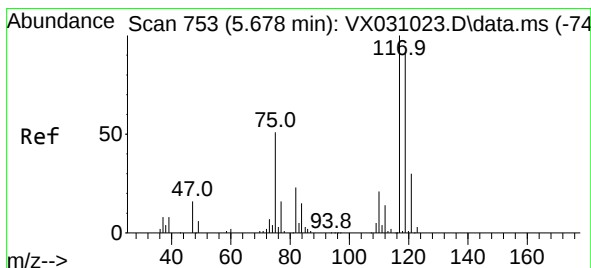
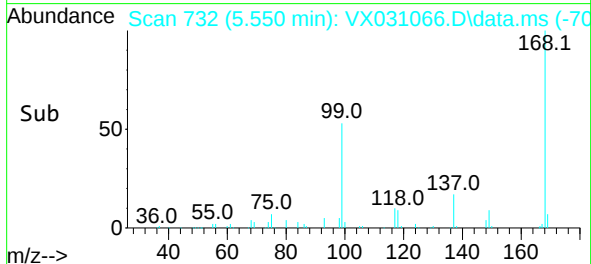
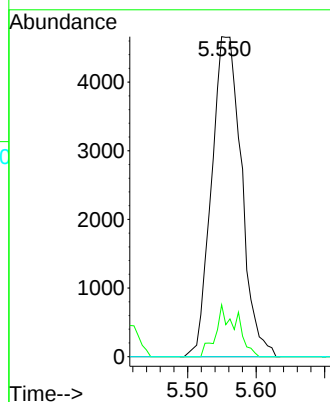
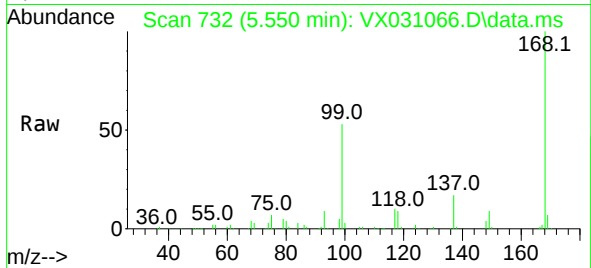




#36
1,1-Dichloropropene
Concen: 3.962 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

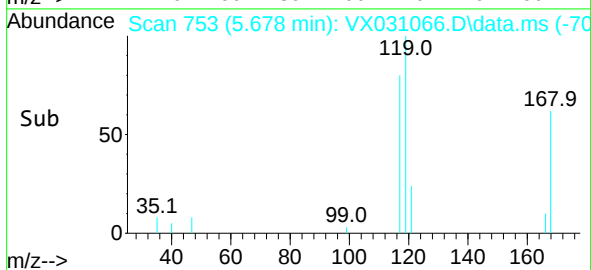
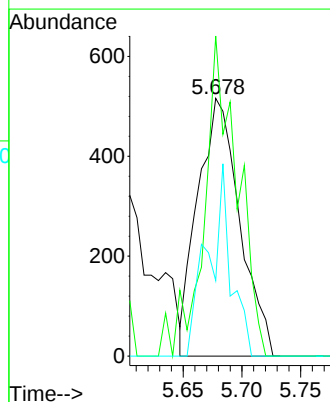
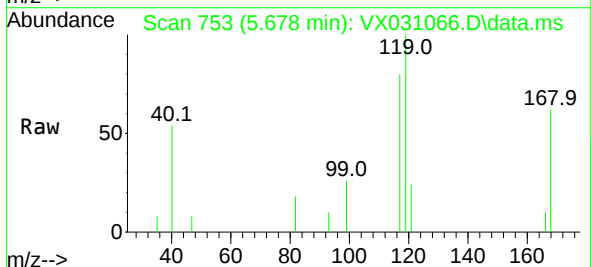
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

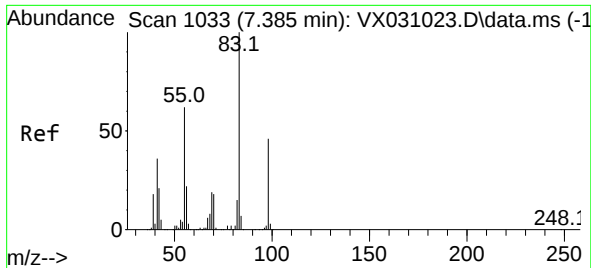
Tgt Ion: 75 Resp: 14092
Ion Ratio Lower Upper
75 100
110 11.4 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 0.347 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Tgt Ion: 117 Resp: 1281
Ion Ratio Lower Upper
117 100
119 124.2 74.1 111.1#
121 29.3 25.8 38.8

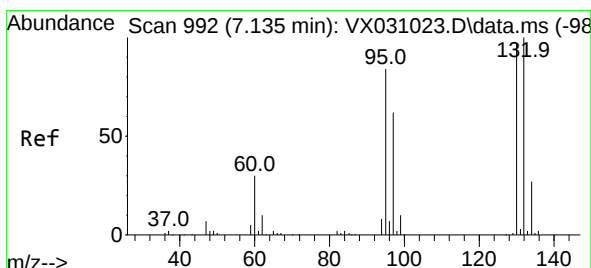
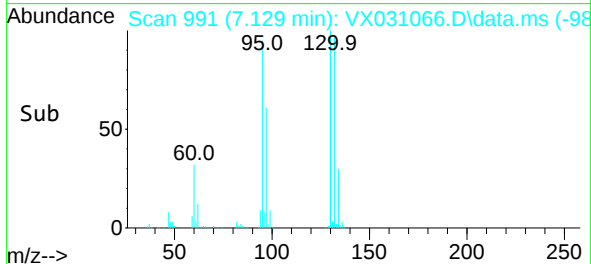
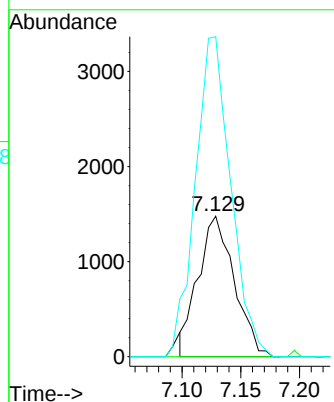
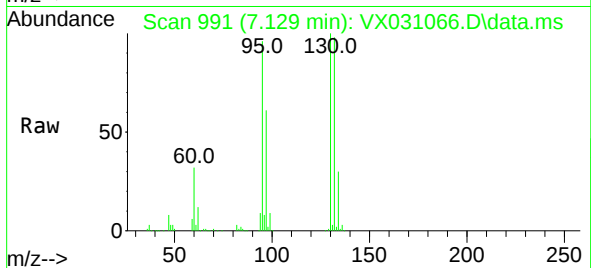




#39
Methylcyclohexane
Concen: 0.717 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

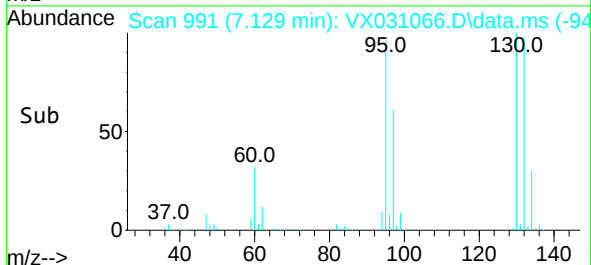
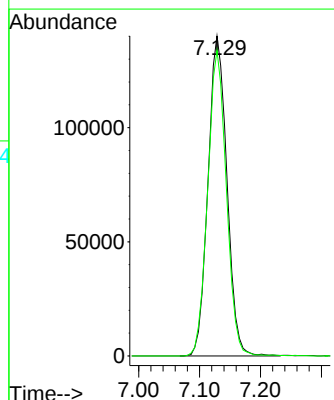
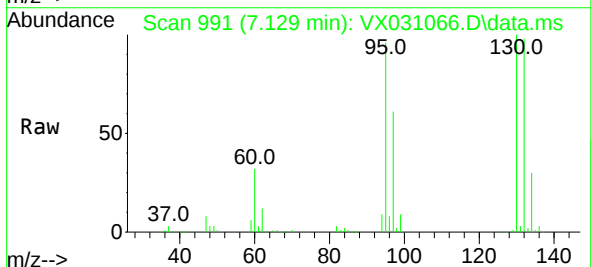
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

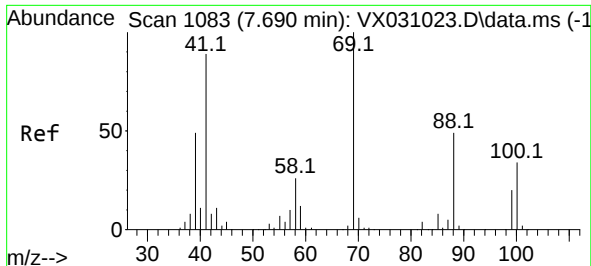
Tgt Ion: 83 Resp: 3160
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 227.7 36.5 54.7#



#44
Trichloroethene
Concen: 93.513 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Tgt Ion:130 Resp: 302270
Ion Ratio Lower Upper
130 100
95 95.5 0.0 194.8





#49

1,4-Dioxane

Concen: 16.449 ug/l

RT: 7.689 min Scan# 1083

Delta R.T. 0.013 min

Lab File: VX031066.D

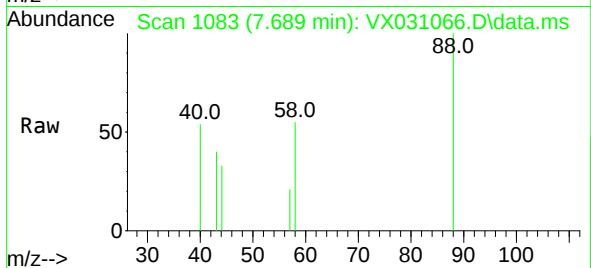
Acq: 02 Sep 2022 14:51

Instrument :

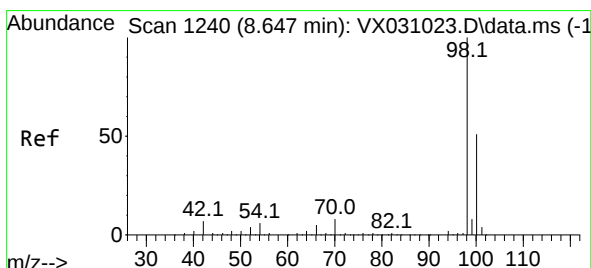
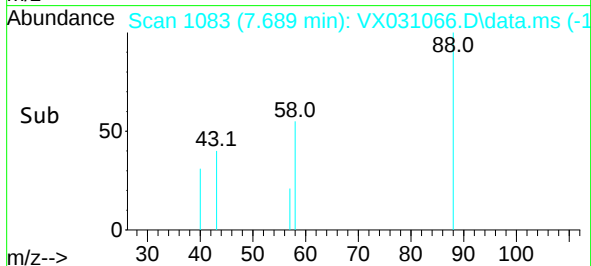
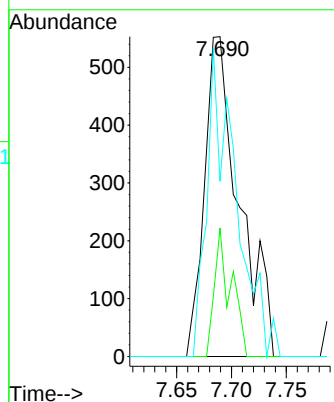
MSVOA_X

ClientSampleId :

RE132D5-20220822



Tgt Ion:	88	Resp:	1220
Ion	Ratio	Lower	Upper
88	100		
43	19.1	23.8	35.8#
58	81.0	53.8	80.6#



#50

Toluene-d8

Concen: 49.327 ug/l

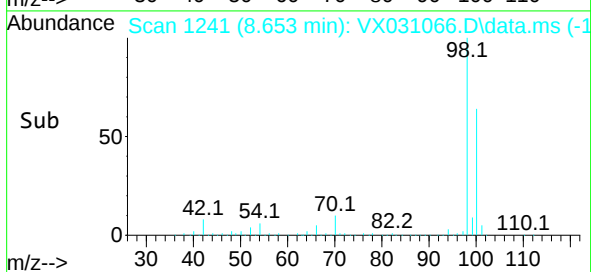
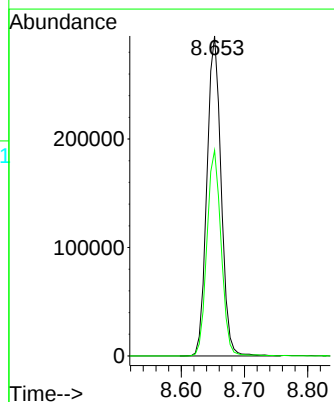
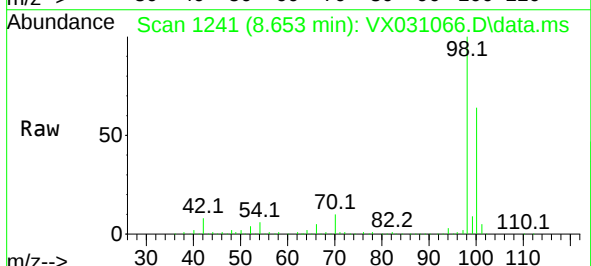
RT: 8.653 min Scan# 1241

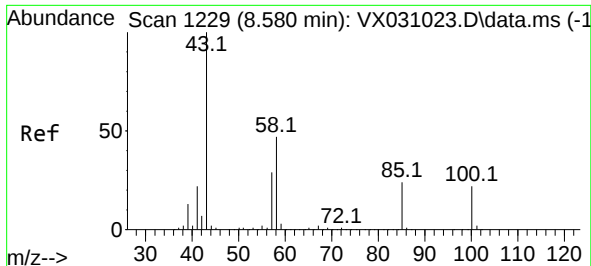
Delta R.T. -0.000 min

Lab File: VX031066.D

Acq: 02 Sep 2022 14:51

Tgt Ion:	98	Resp:	461013
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 0.480 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX031066.D

Acq: 02 Sep 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

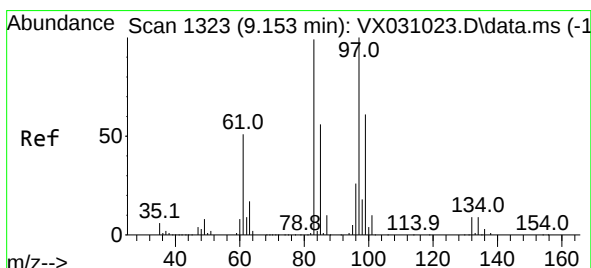
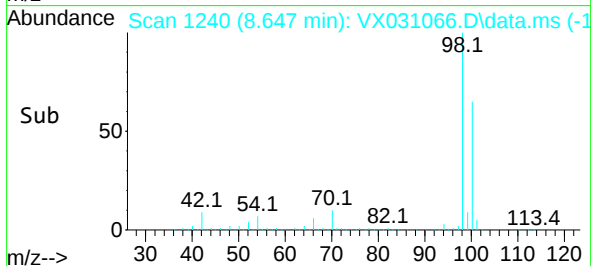
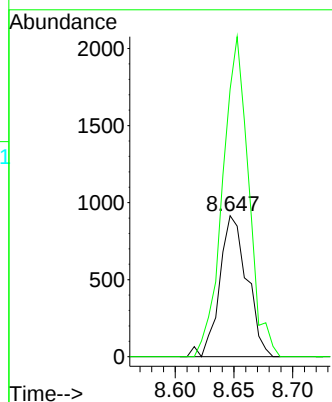
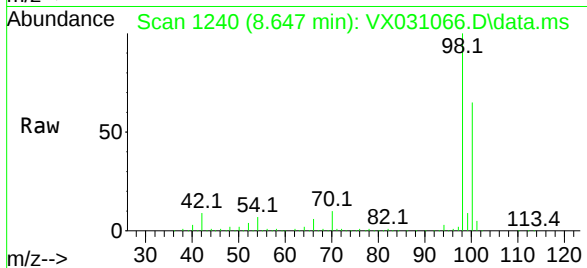
RE132D5-20220822

Tgt Ion: 43 Resp: 1489

Ion Ratio Lower Upper

43 100

58 215.0 31.4 47.2#



#55

1,1,2-Trichloroethane

Concen: 0.348 ug/l

RT: 9.165 min Scan# 1325

Delta R.T. 0.012 min

Lab File: VX031066.D

Acq: 02 Sep 2022 14:51

Tgt Ion: 97 Resp: 980

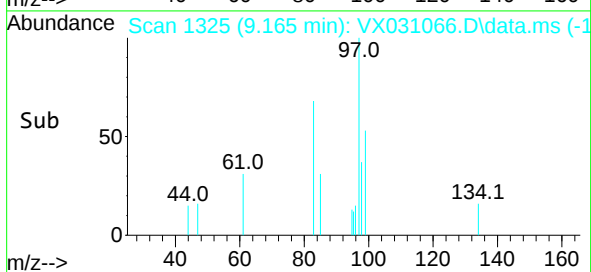
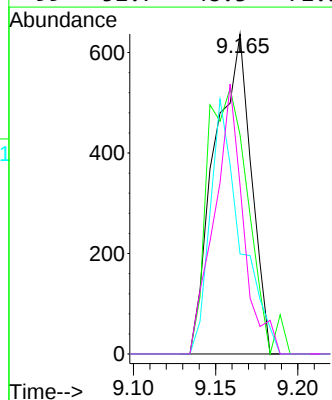
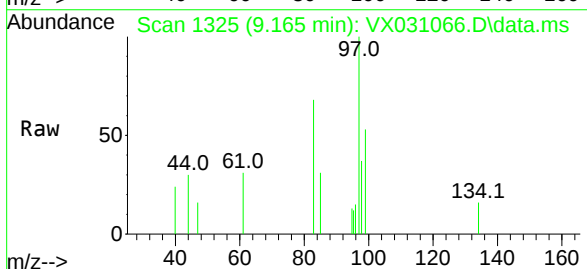
Ion Ratio Lower Upper

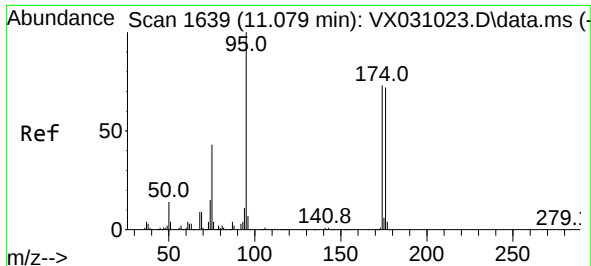
97 100

83 68.4 68.9 103.3#

85 31.2 44.0 66.0#

99 52.7 48.3 72.5

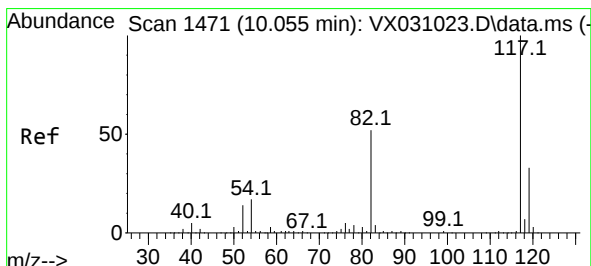
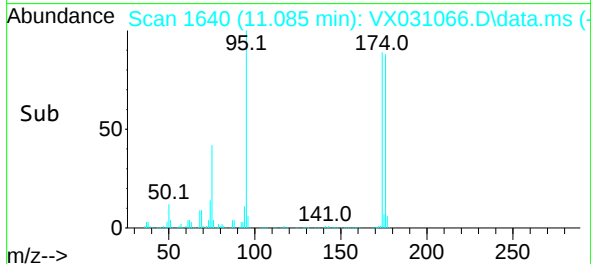
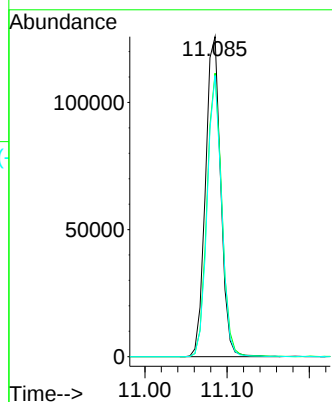
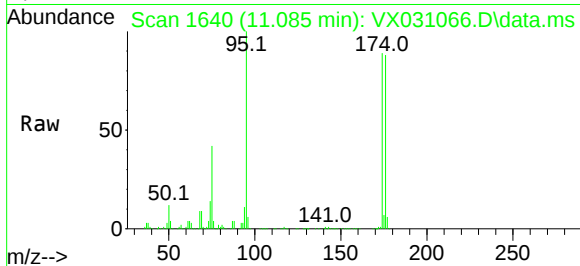




#62
4-Bromofluorobenzene
Concen: 48.948 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

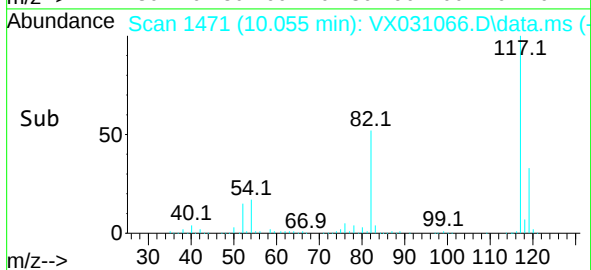
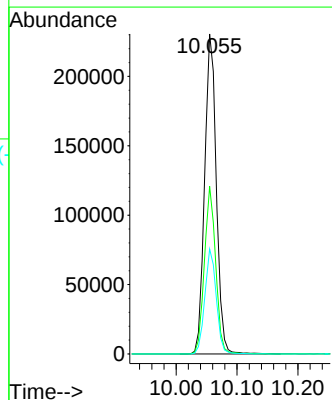
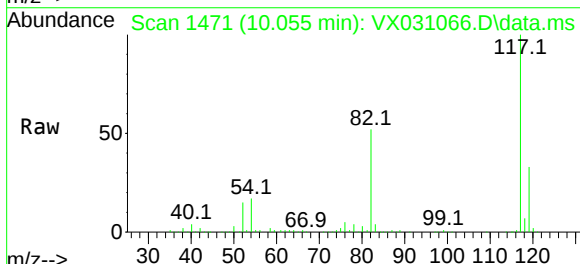
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

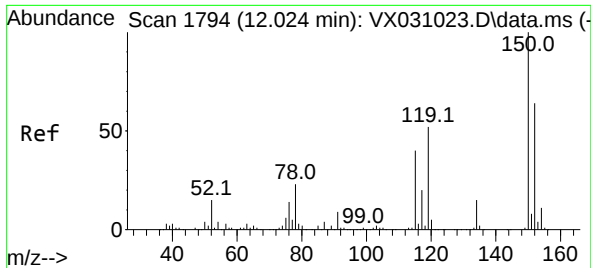
Tgt Ion: 95 Resp: 161577
Ion Ratio Lower Upper
95 100
174 86.4 0.0 149.0
176 83.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

Tgt Ion: 117 Resp: 307862
Ion Ratio Lower Upper
117 100
82 52.4 42.7 64.1
119 32.8 25.4 38.2

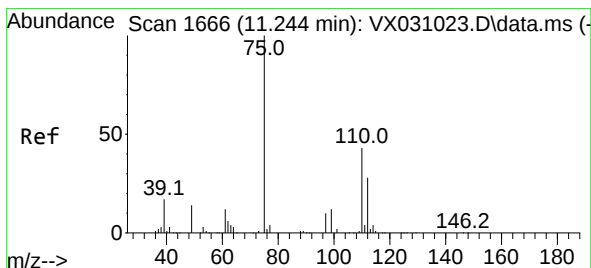
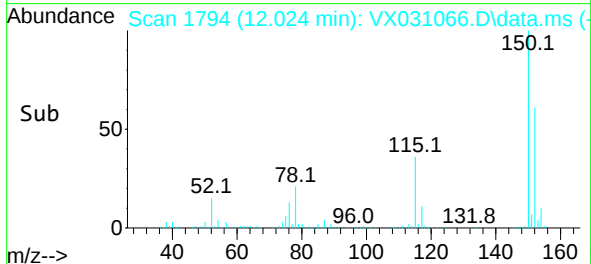
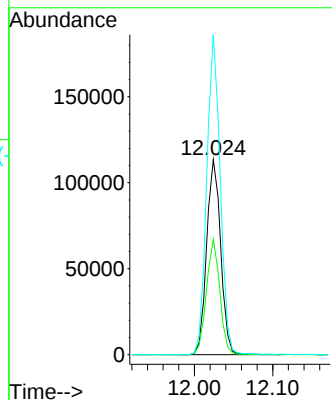
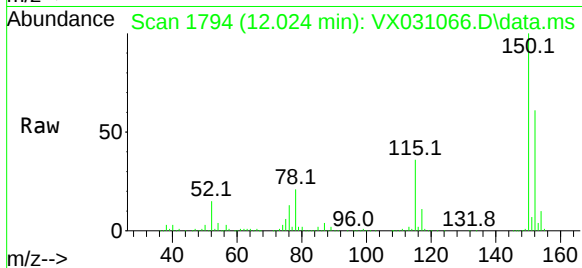




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

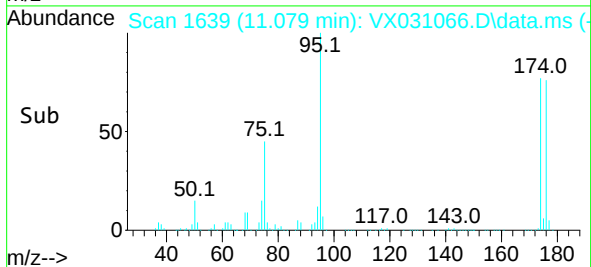
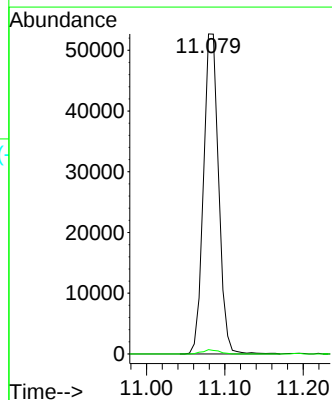
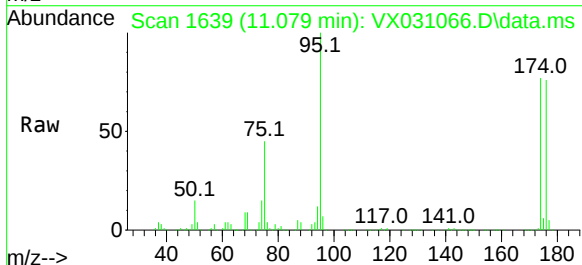
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20220822

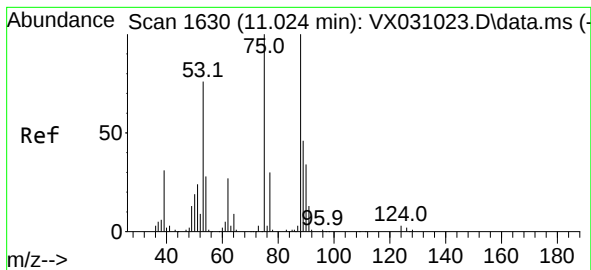
Tgt Ion:152 Resp: 140695
Ion Ratio Lower Upper
152 100
115 56.6 40.5 121.5
150 158.0 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 21.224 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031066.D
Acq: 02 Sep 2022 14:51

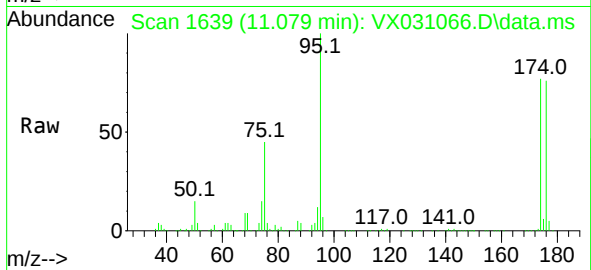
Tgt Ion: 75 Resp: 70590
Ion Ratio Lower Upper
75 100
77 1.5 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.702 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031066.D
 Acq: 02 Sep 2022 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20220822



Tgt Ion: 75 Resp: 70590
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

