

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090222\
 Data File : VX031067.D
 Acq On : 02 Sep 2022 15:15
 Operator : JC/MD
 Sample : N4298-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT162S1-20220822

Quant Time: Sep 03 00:50:04 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)

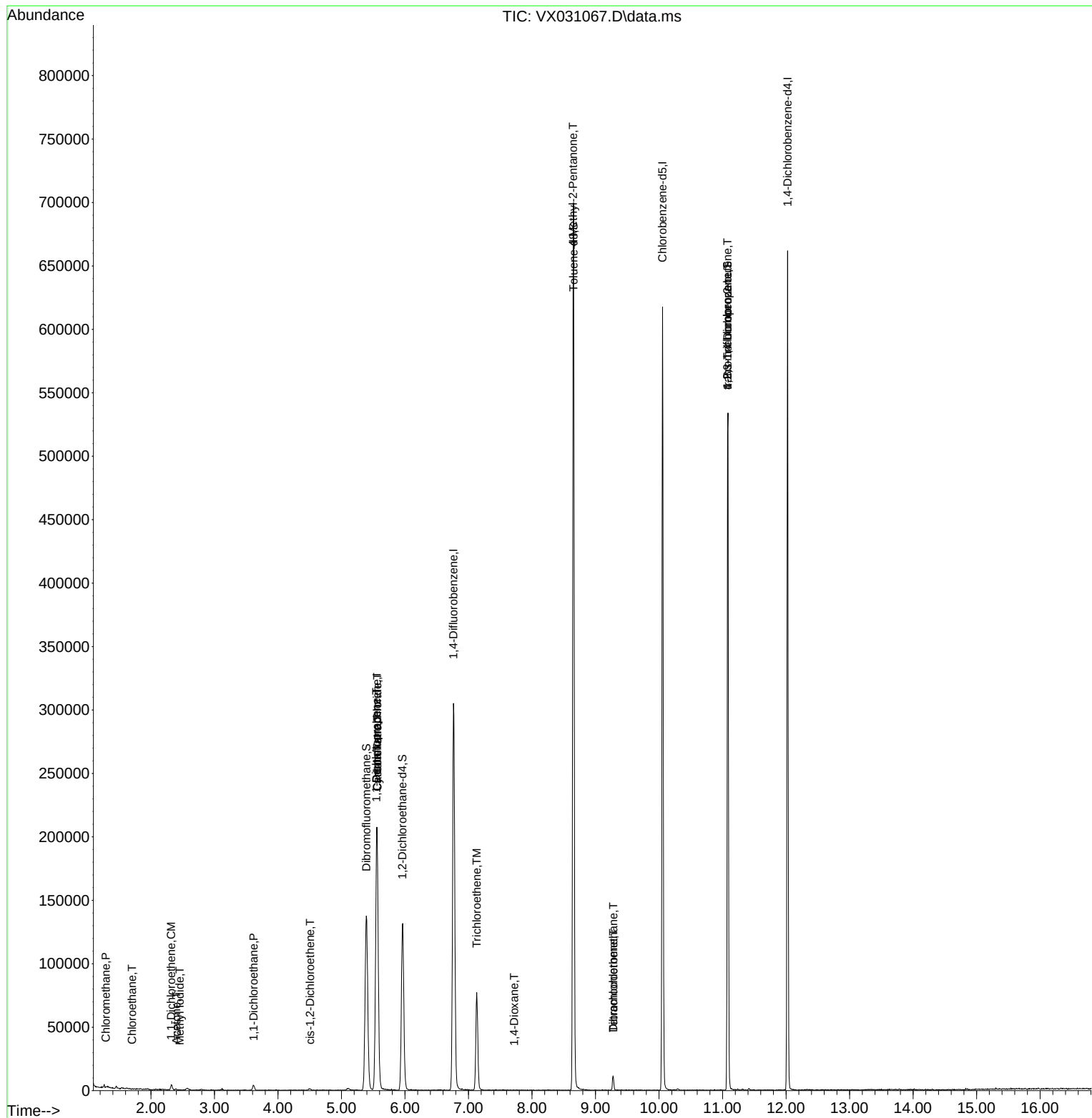
Internal Standards						
1) Pentafluorobenzene	5.556	168	214514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	341007	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	302306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	127496	46.192	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.380%
35) Dibromofluoromethane	5.391	113	126300	50.752	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.500%
50) Toluene-d8	8.653	98	448501	48.970	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.940%
62) 4-Bromofluorobenzene	11.079	95	152307	47.083	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.160%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	129	0.761	ug/l #	42
6) Chloroethane	1.703	64	147	1.824	ug/l #	41
10) Methyl Iodide	2.453	142	154	2.967	ug/l #	45
11) Tert butyl alcohol	3.142	59	27	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	1217	0.488	ug/l #	88
16) Acetone	2.398	43	880	0.826	ug/l	92
20) Methylene Chloride	2.788	84	371	Below Cal	#	91
24) 1,1-Dichloroethane	3.617	63	4176	0.929	ug/l	96
27) cis-1,2-Dichloroethene	4.507	96	723	0.233	ug/l	71
31) Cyclohexane	5.562	56	3384	0.897	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13584	3.897	ug/l #	50
38) Carbon Tetrachloride	5.562	117	19987	5.524	ug/l #	17
44) Trichloroethene	7.129	130	32423	10.236	ug/l	91
49) 1,4-Dioxane	7.720	88	38	0.523	ug/l #	25
51) 4-Methyl-2-Pentanone	8.647	43	1479	0.486	ug/l #	1
60) Dibromochloromethane	9.281	129	2252	0.786	ug/l #	11
64) Tetrachloroethene	9.281	164	2434	0.806	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	69155	21.613	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	69155	67.924	ug/l #	12

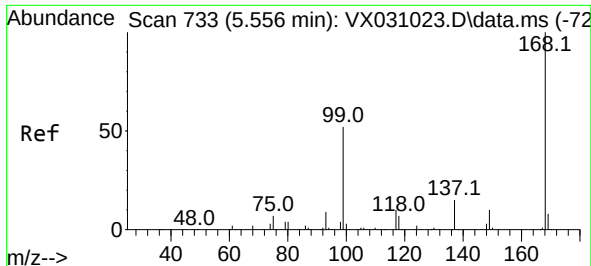
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT162S1-20220822

Quant Time: Sep 03 00:50:04 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

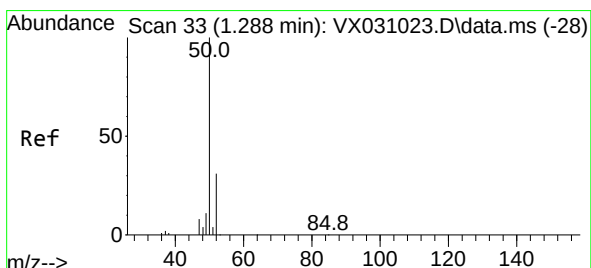
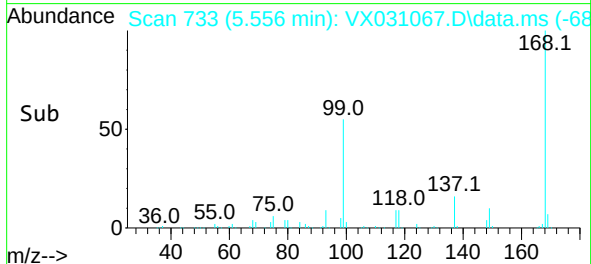
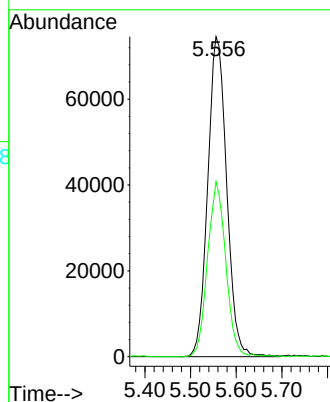
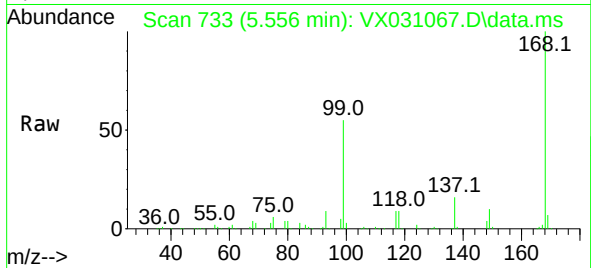




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

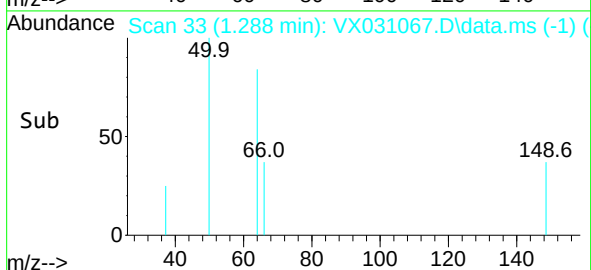
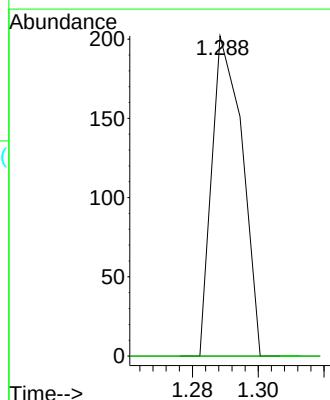
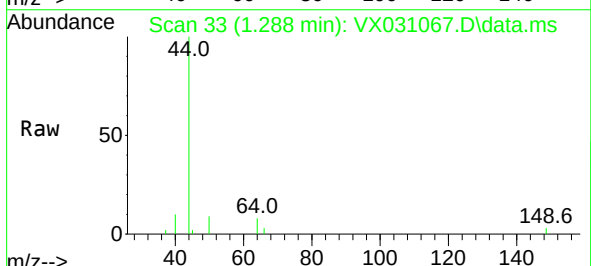
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220822

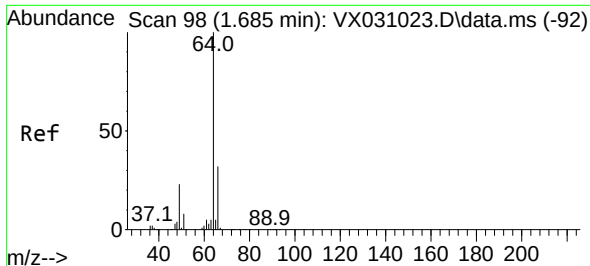
Tgt Ion:168 Resp: 214514
Ion Ratio Lower Upper
168 100
99 54.7 44.0 66.0



#3
Chloromethane
Concen: 0.761 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

Tgt Ion: 50 Resp: 129
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5

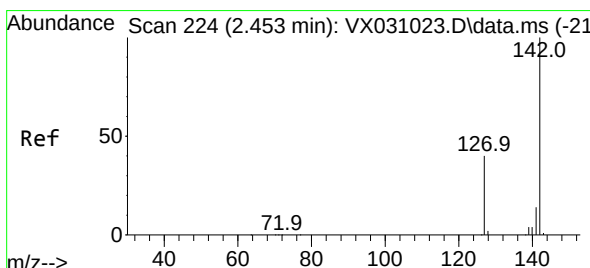
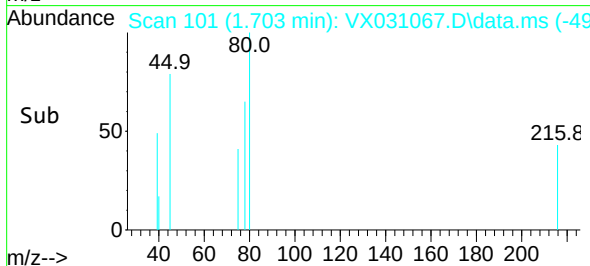
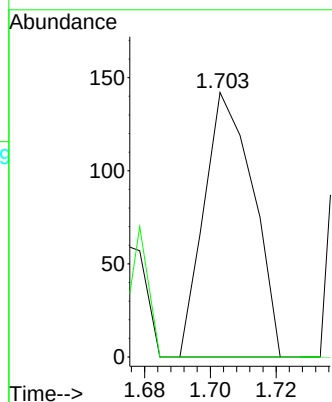
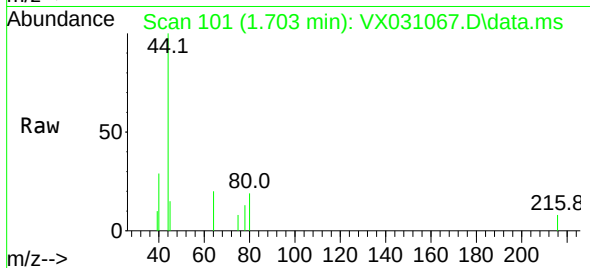




#6
Chloroethane
Concen: 1.824 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

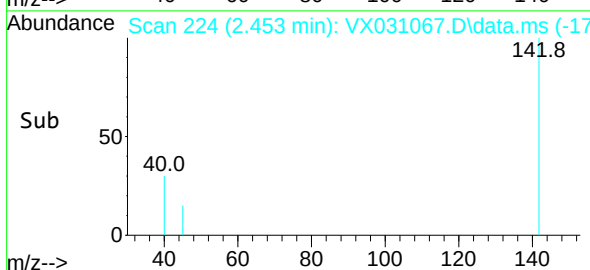
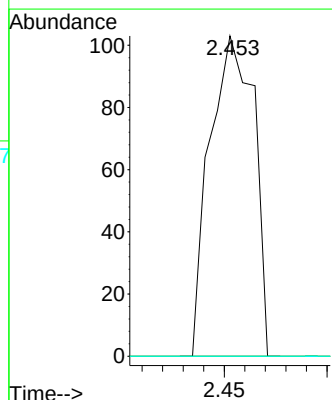
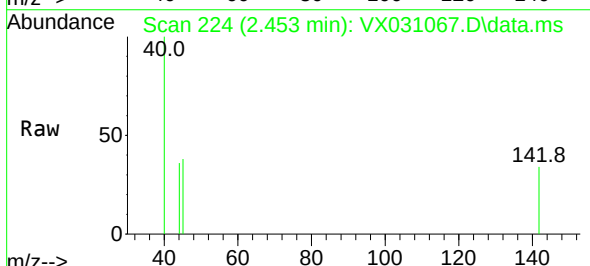
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220822

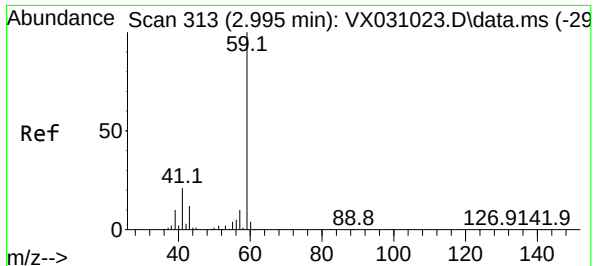
Tgt Ion: 64 Resp: 147
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 2.967 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

Tgt Ion: 142 Resp: 154
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: 3.142 min Scan# 313

Delta R.T. 0.153 min

Lab File: VX031067.D

Acq: 02 Sep 2022 15:15

Instrument :

MSVOA_X

ClientSampleId :

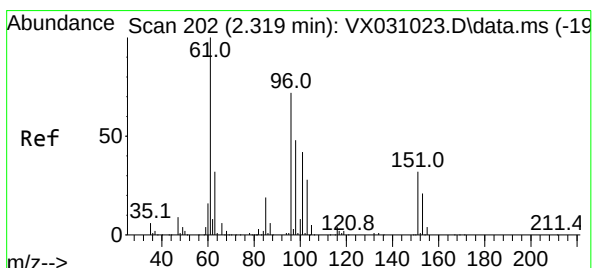
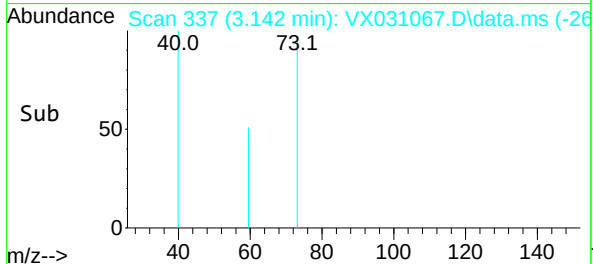
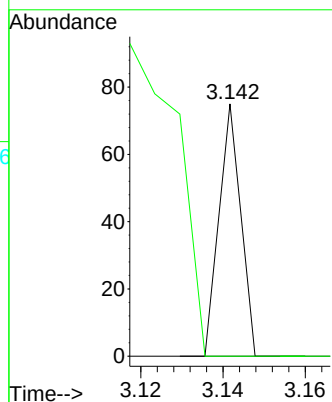
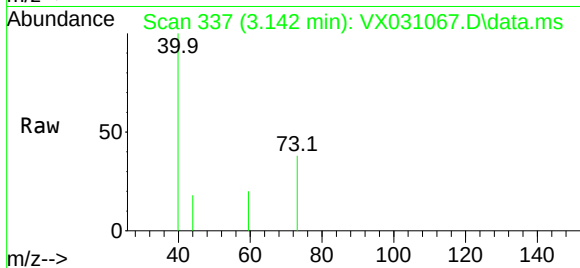
TT162S1-20220822

Tgt Ion: 59 Resp: 27

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.488 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX031067.D

Acq: 02 Sep 2022 15:15

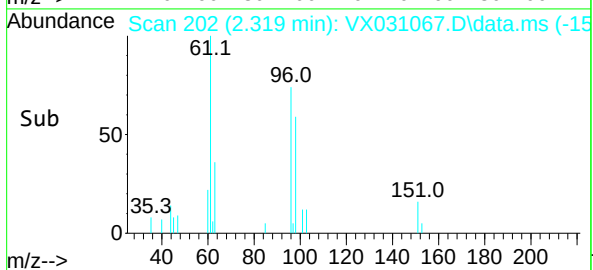
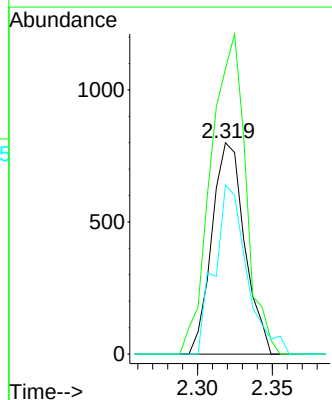
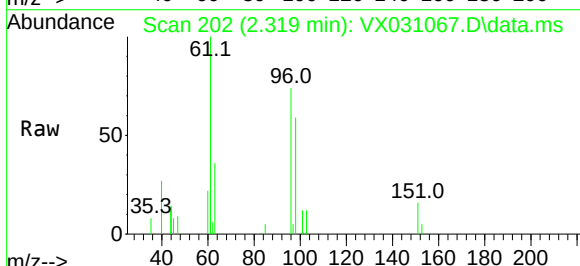
Tgt Ion: 96 Resp: 1217

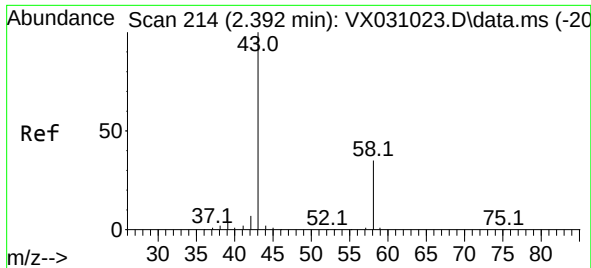
Ion Ratio Lower Upper

96 100

61 135.0 117.4 176.0

98 80.0 52.2 78.4#





#16

Acetone

Concen: 0.826 ug/l

RT: 2.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX031067.D

Acq: 02 Sep 2022 15:15

Instrument :

MSVOA_X

ClientSampleId :

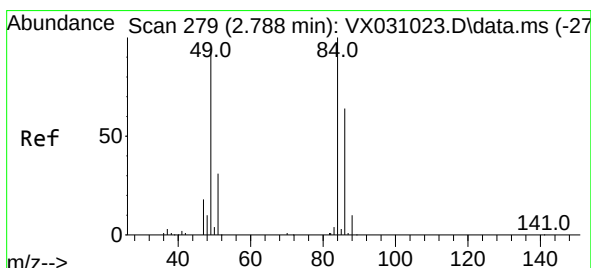
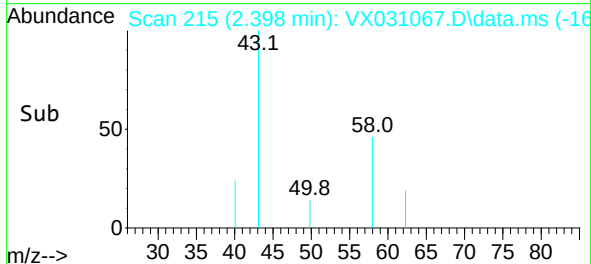
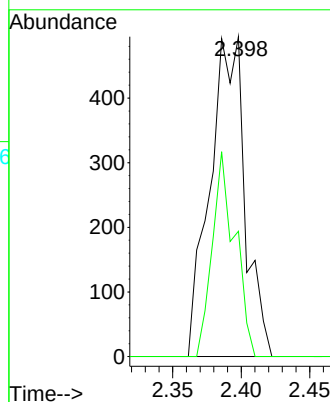
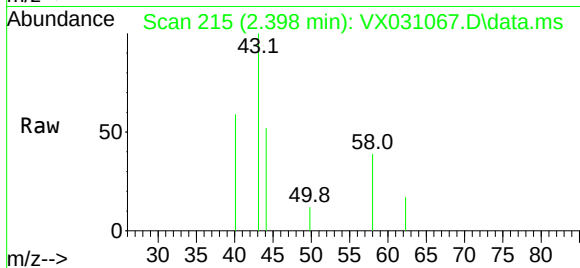
TT162S1-20220822

Tgt Ion: 43 Resp: 880

Ion Ratio Lower Upper

43 100

58 39.2 27.7 41.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX031067.D

Acq: 02 Sep 2022 15:15

Tgt Ion: 84 Resp: 371

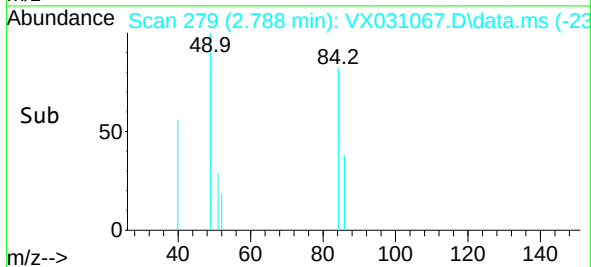
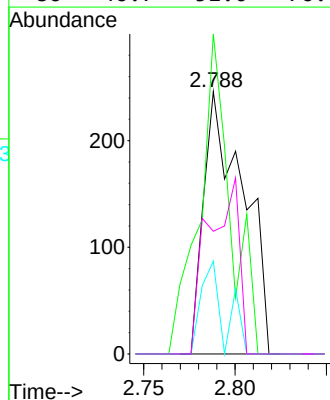
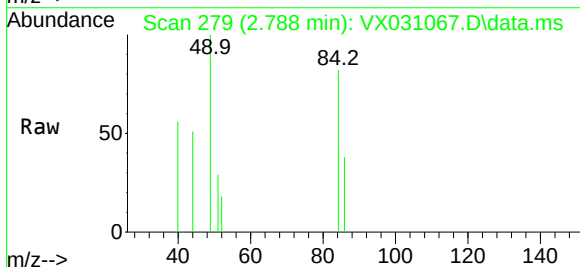
Ion Ratio Lower Upper

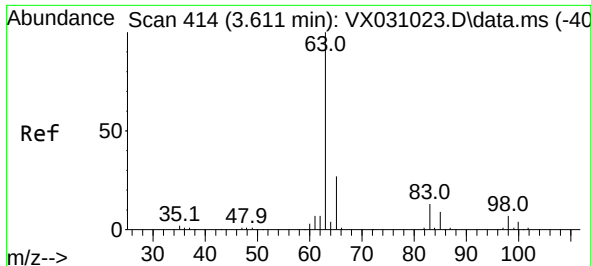
84 100

49 122.0 93.8 140.6

51 35.4 29.4 44.0

86 46.7 51.0 76.4#

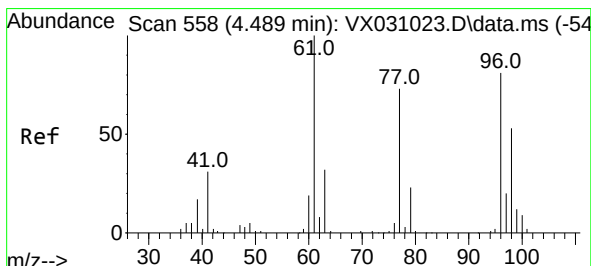
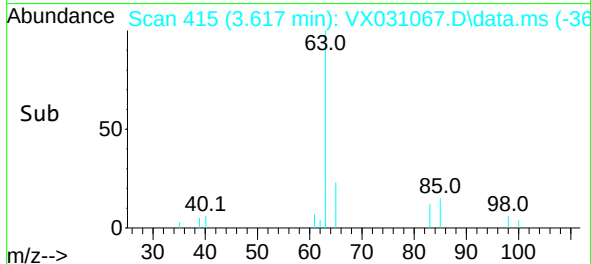
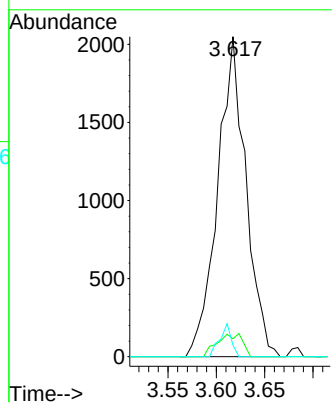
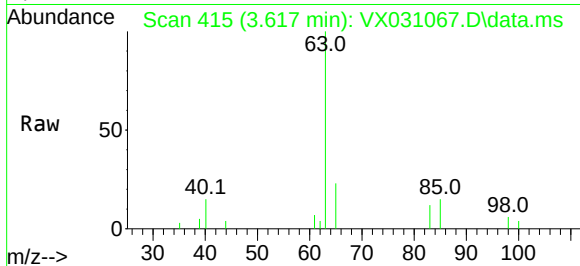




#24
 1,1-Dichloroethane
 Concen: 0.929 ug/l
 RT: 3.617 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX031067.D
 Acq: 02 Sep 2022 15:15

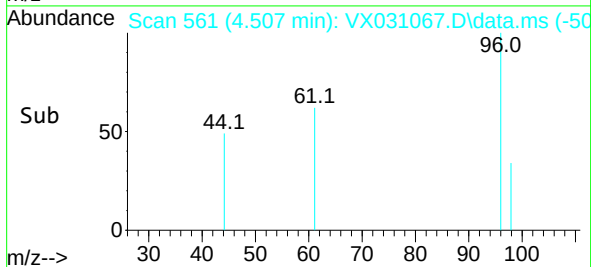
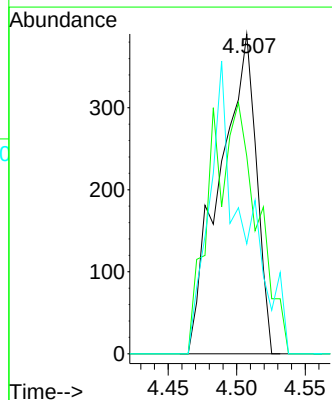
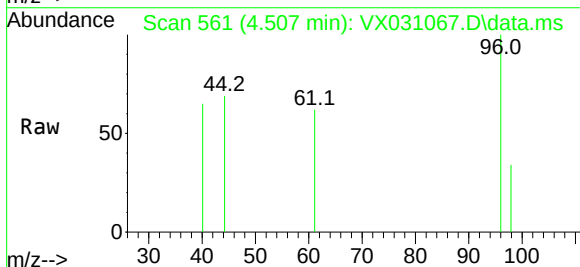
Instrument :
 MSVOA_X
 ClientSampleId :
 TT162S1-20220822

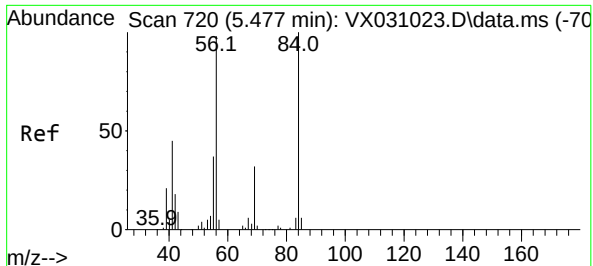
Tgt Ion: 63	Resp:	4176
Ion Ratio	Lower	Upper
63	100	
98	5.6	3.5 10.5
100	3.6	2.3 6.9



#27
 cis-1,2-Dichloroethene
 Concen: 0.233 ug/l
 RT: 4.507 min Scan# 561
 Delta R.T. 0.018 min
 Lab File: VX031067.D
 Acq: 02 Sep 2022 15:15

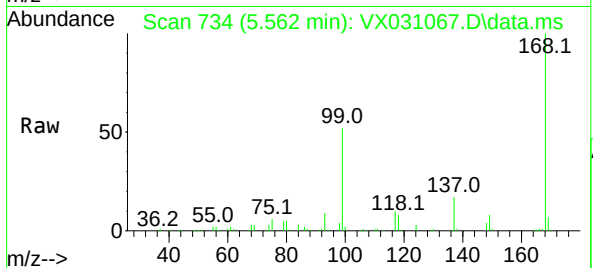
Tgt Ion: 96	Resp:	723
Ion Ratio	Lower	Upper
96	100	
61	100.7	0.0 270.0
98	86.3	0.0 127.8



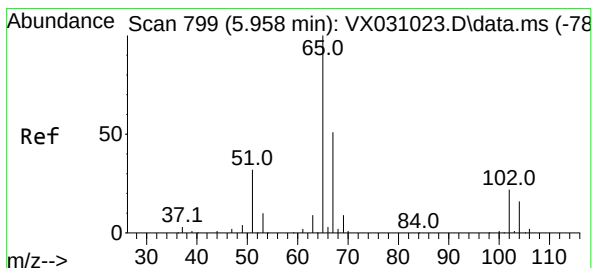
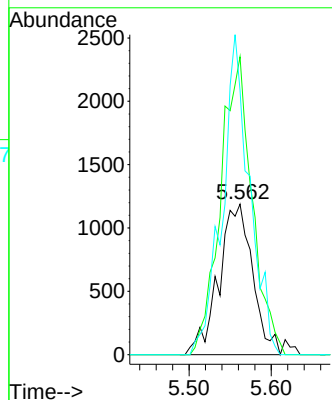
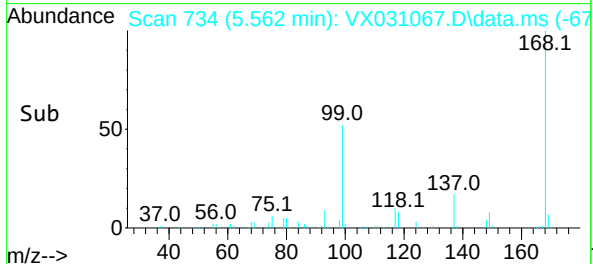


#31
Cyclohexane
Concen: 0.897 ug/l
RT: 5.562 min Scan# 711
Delta R.T. 0.085 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220822

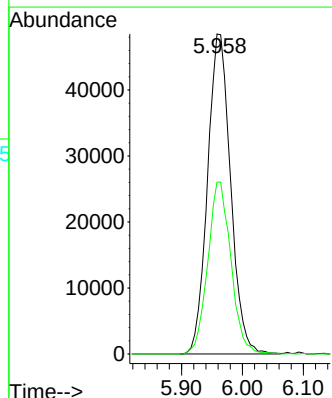
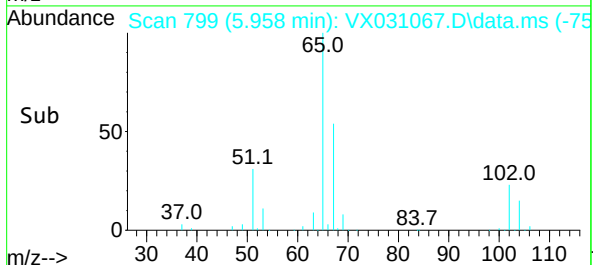
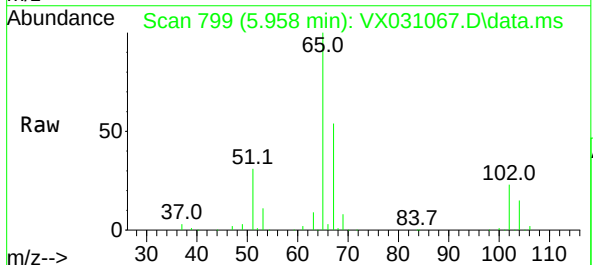


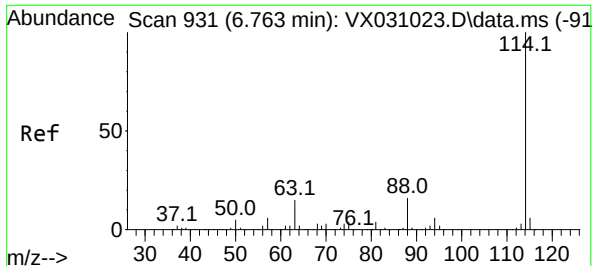
Tgt Ion: 56 Resp: 3384
Ion Ratio Lower Upper
56 100
69 198.0 25.4 38.0#
84 175.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 46.192 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

Tgt Ion: 65 Resp: 127496
Ion Ratio Lower Upper
65 100
67 53.9 0.0 109.6

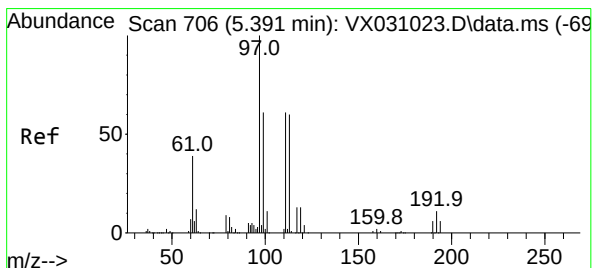
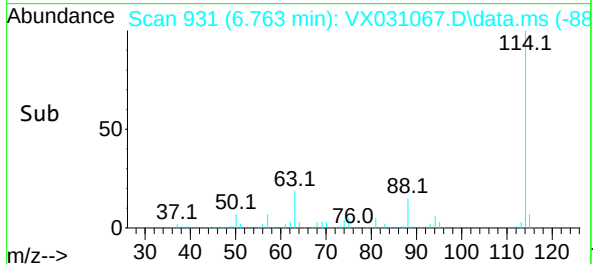
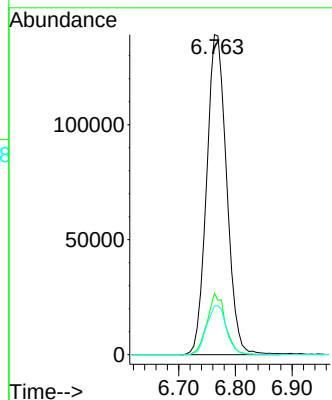
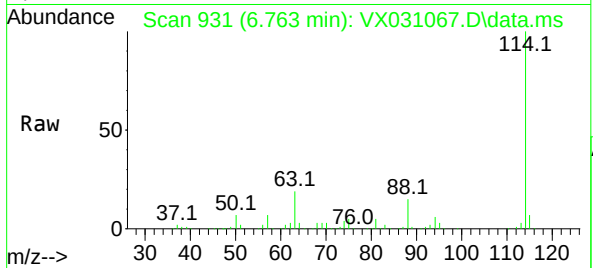




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

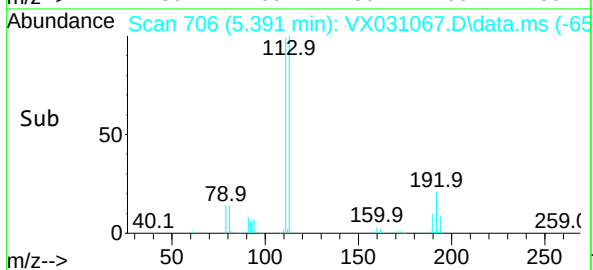
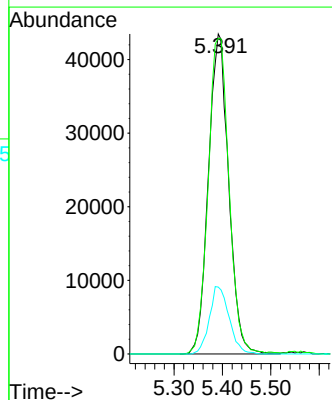
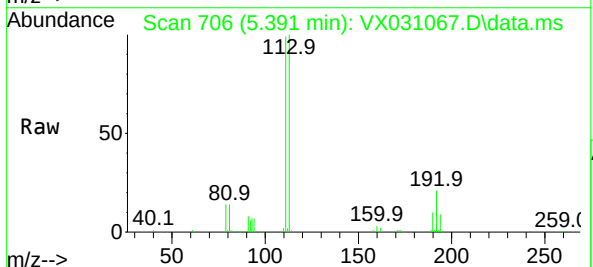
Instrument :
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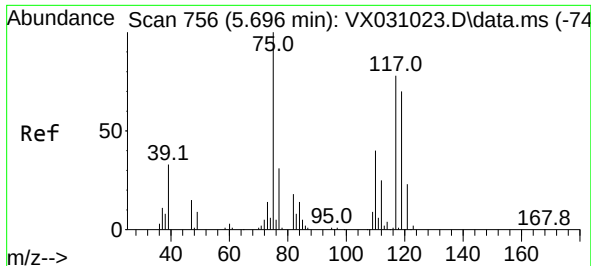
Tgt Ion:114 Resp: 341007
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 15.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.752 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

Tgt Ion:113 Resp: 126300
Ion Ratio Lower Upper
113 100
111 101.8 83.2 124.8
192 20.5 14.8 22.2





#36

1,1-Dichloropropene

Concen: 3.897 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX031067.D

Acq: 02 Sep 2022 15:15

Instrument :

MSVOA_X

ClientSampleId :

TT162S1-20220822

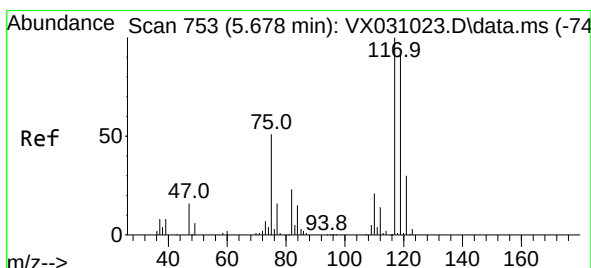
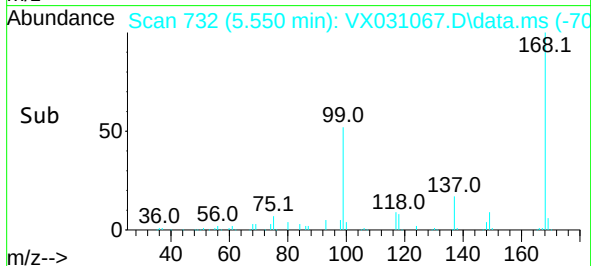
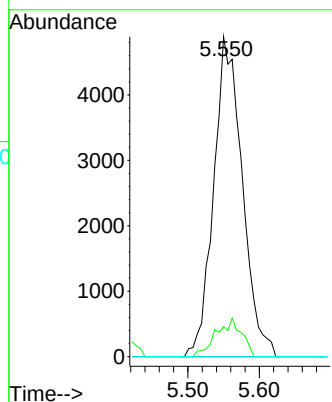
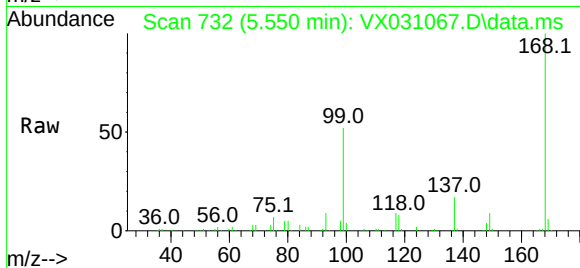
Tgt Ion: 75 Resp: 13584

Ion Ratio Lower Upper

75 100

110 10.7 19.3 57.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.524 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX031067.D

Acq: 02 Sep 2022 15:15

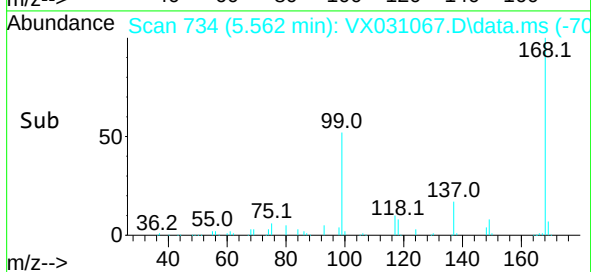
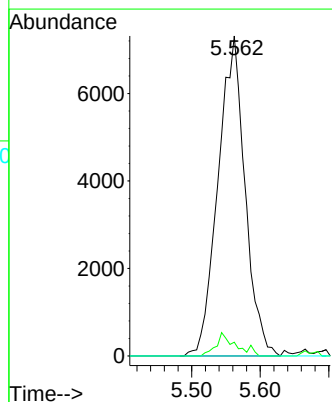
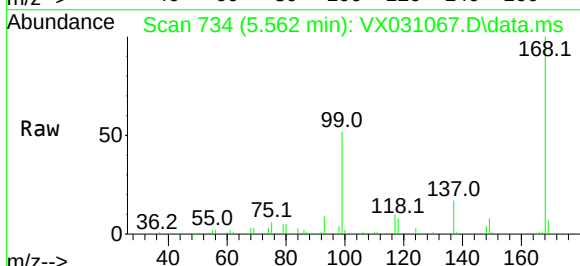
Tgt Ion: 117 Resp: 19987

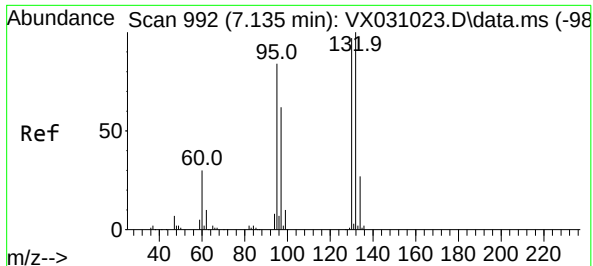
Ion Ratio Lower Upper

117 100

119 4.3 74.1 111.1#

121 0.0 25.8 38.8#

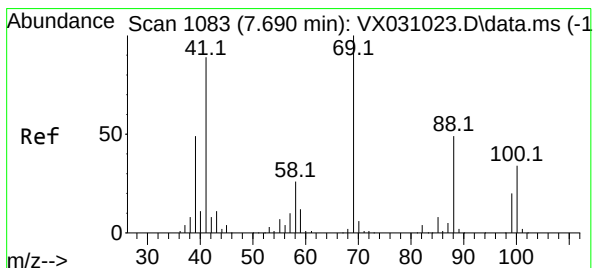
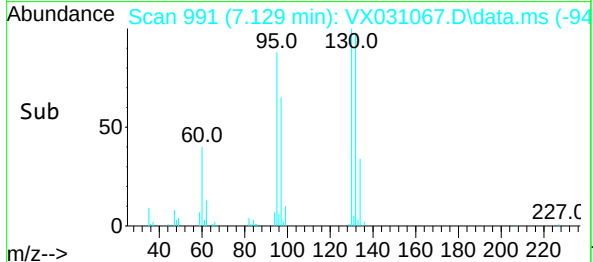
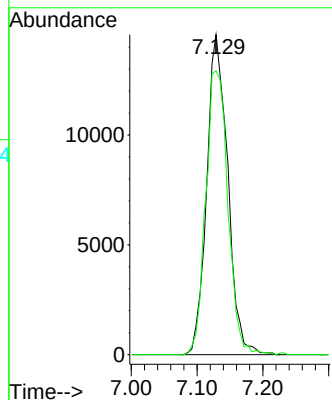
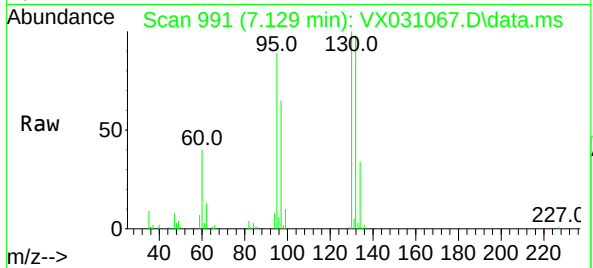




#44
Trichloroethene
Concen: 10.236 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

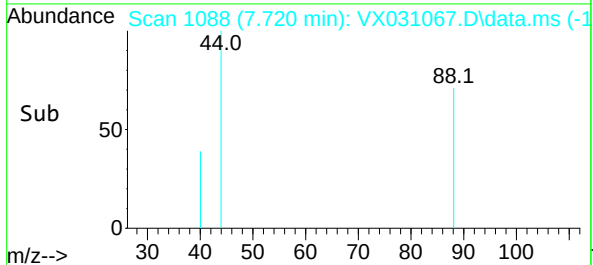
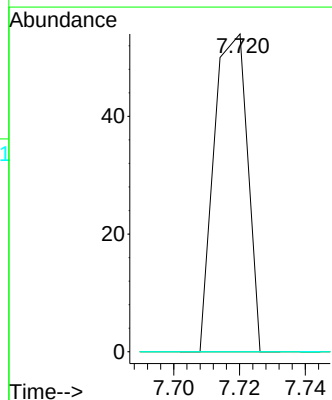
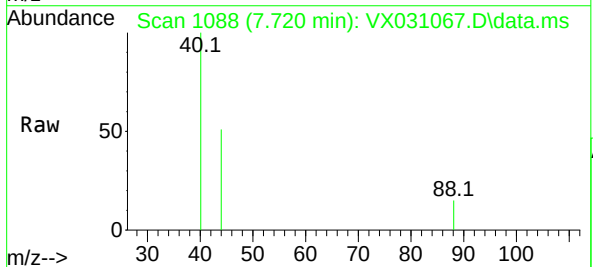
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220822

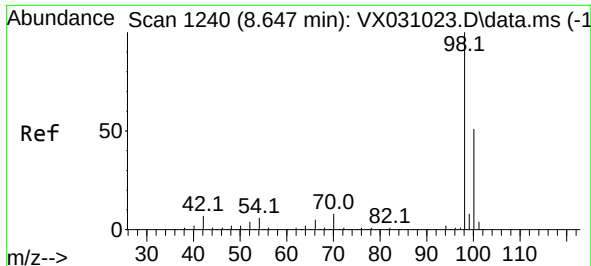
Tgt Ion:130 Resp: 32423
Ion Ratio Lower Upper
130 100
95 88.7 0.0 194.8



#49
1,4-Dioxane
Concen: 0.523 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.043 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 0.0 23.8 35.8#
58 0.0 53.8 80.6#

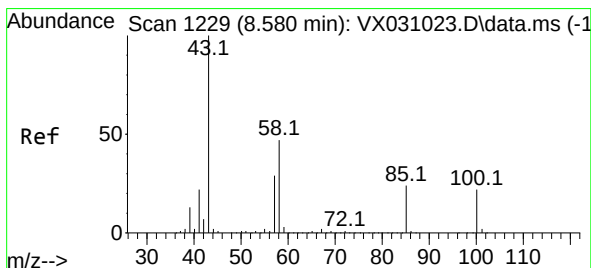
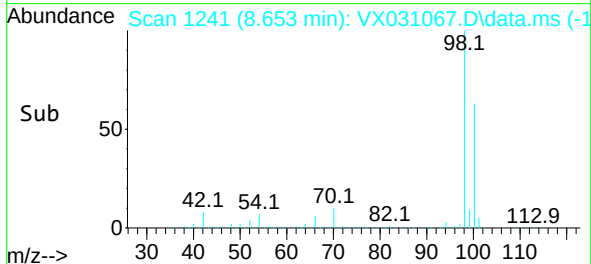
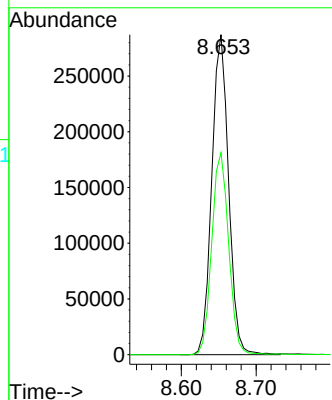
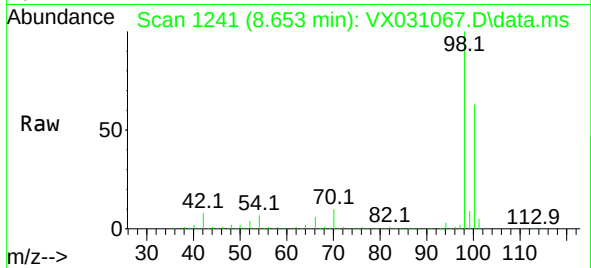




#50
Toluene-d8
Concen: 48.970 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

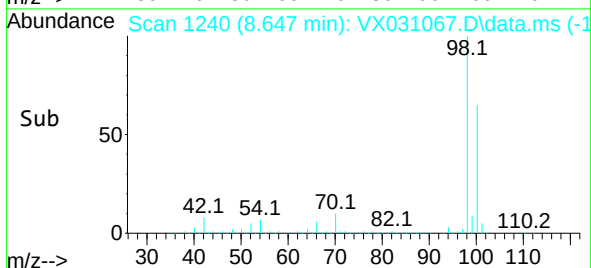
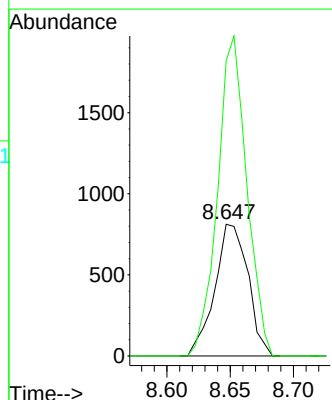
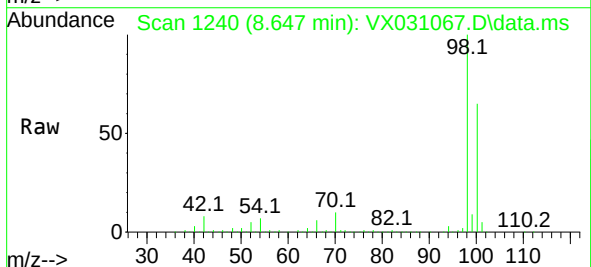
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220822

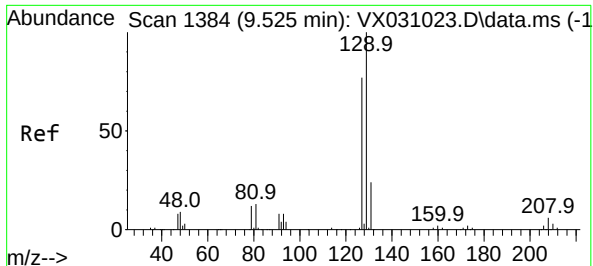
Tgt Ion: 98 Resp: 448501
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.486 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
58 214.2 31.4 47.2#

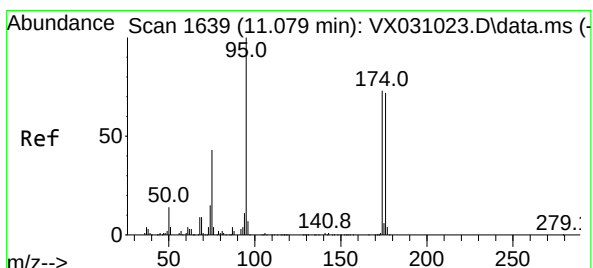
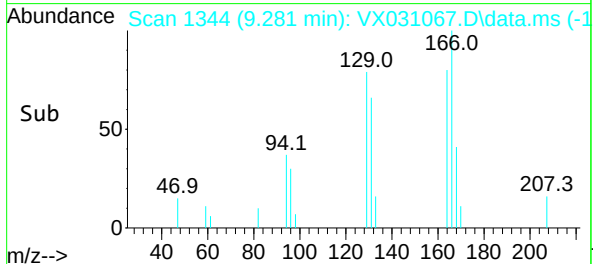
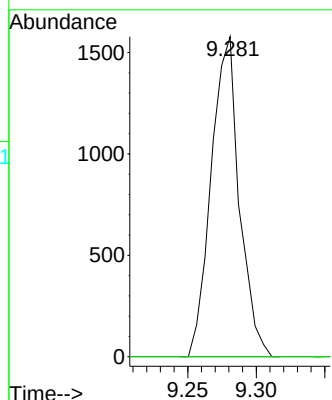
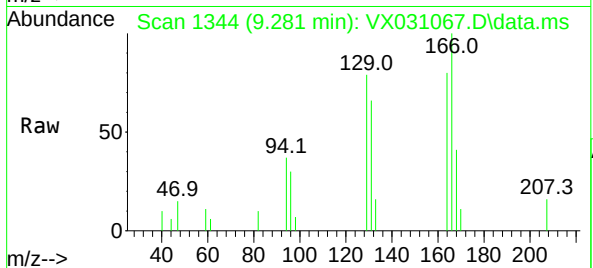




#60
Dibromochloromethane
Concen: 0.786 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

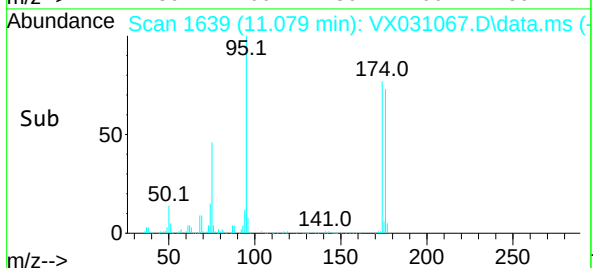
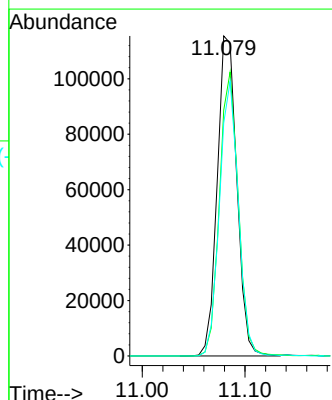
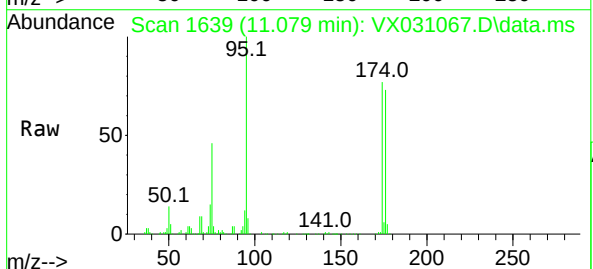
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220822

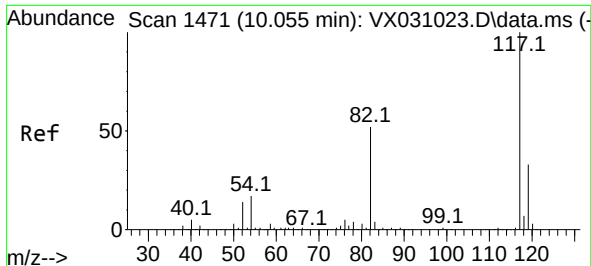
Tgt Ion:129 Resp: 2252
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.083 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

Tgt Ion: 95 Resp: 152307
Ion Ratio Lower Upper
95 100
174 85.4 0.0 149.0
176 82.9 0.0 146.0

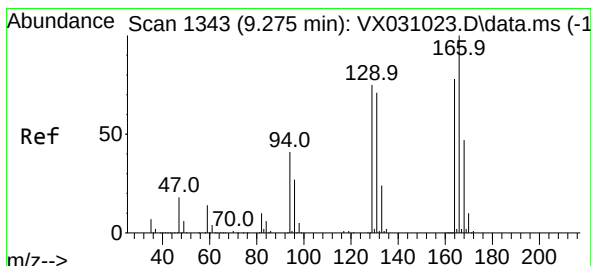
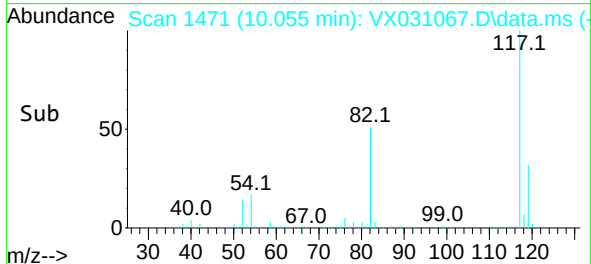
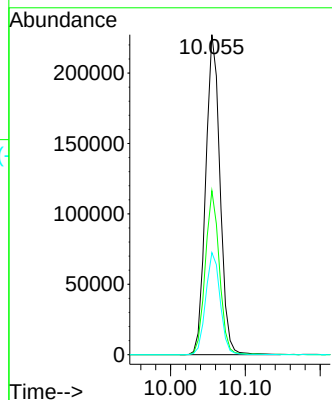
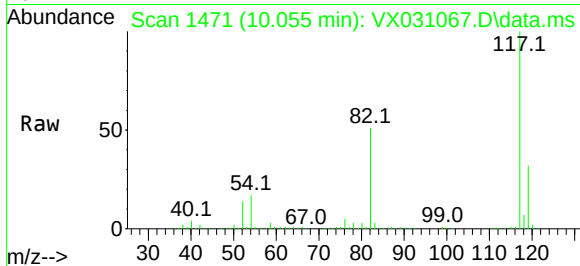




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

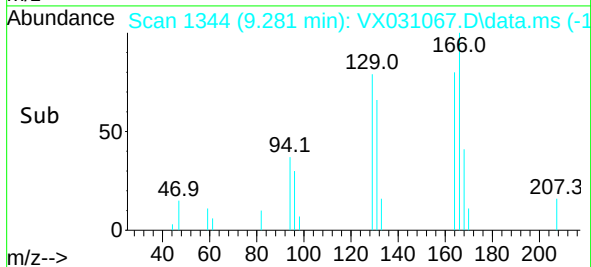
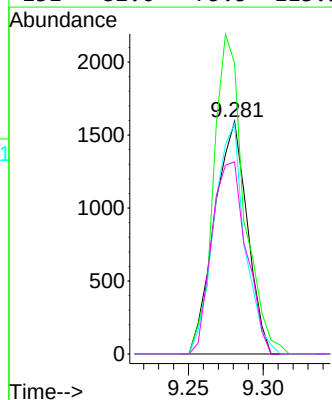
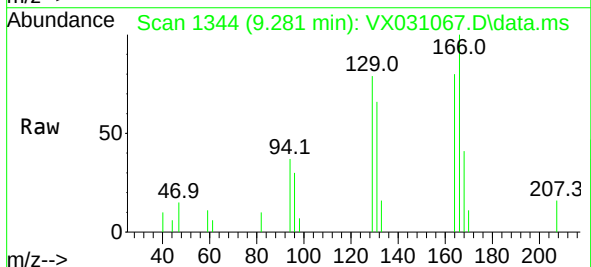
Instrument :
MSVOA_X
ClientSampleId :
TT162S1-20220822

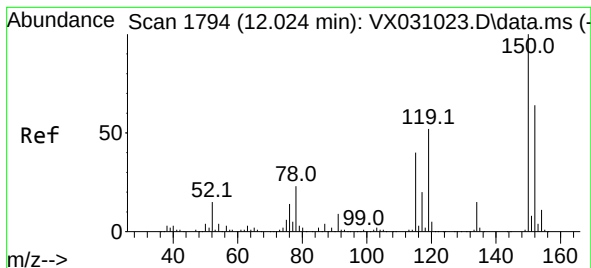
Tgt Ion:117 Resp: 302306
Ion Ratio Lower Upper
117 100
82 51.3 42.7 64.1
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 0.806 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX031067.D
Acq: 02 Sep 2022 15:15

Tgt Ion:164 Resp: 2434
Ion Ratio Lower Upper
164 100
166 124.8 98.2 147.4
129 99.0 80.8 121.2
131 82.6 75.5 113.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031067.D

Acq: 02 Sep 2022 15:15

Instrument :

MSVOA_X

ClientSampleId :

TT162S1-20220822

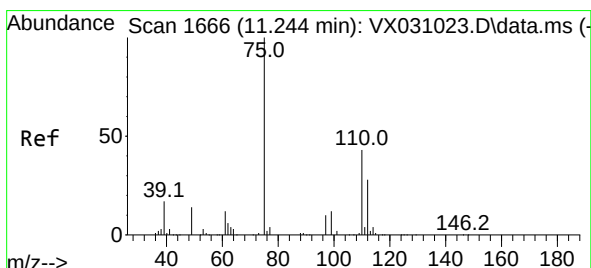
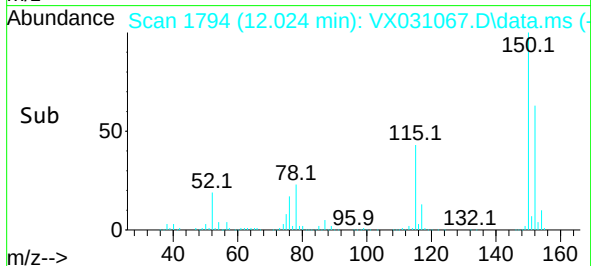
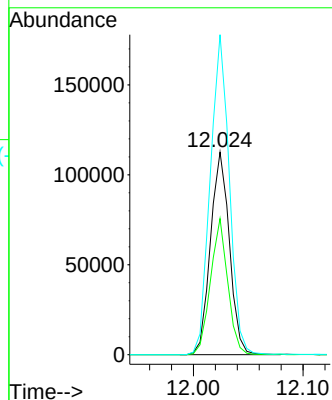
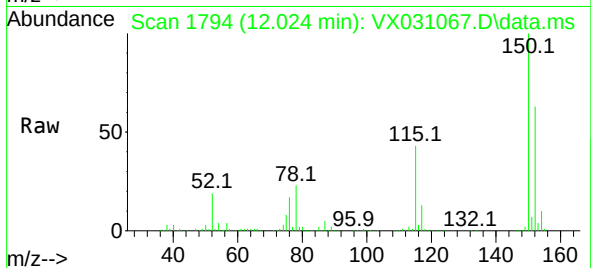
Tgt Ion:152 Resp: 135355

Ion Ratio Lower Upper

152 100

115 61.3 40.5 121.5

150 158.8 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 21.613 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX031067.D

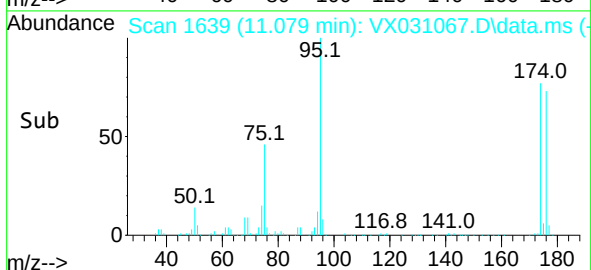
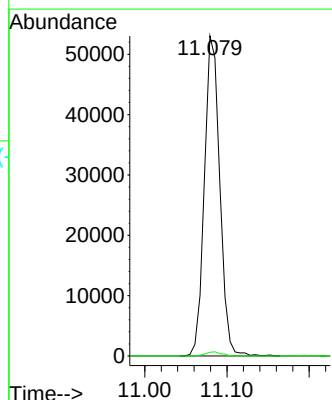
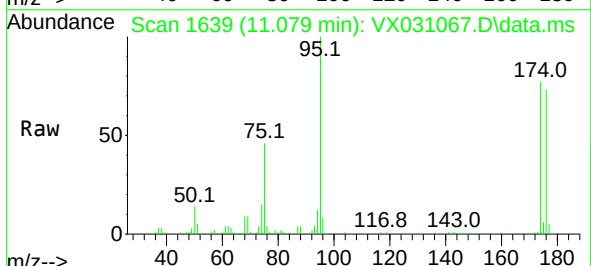
Acq: 02 Sep 2022 15:15

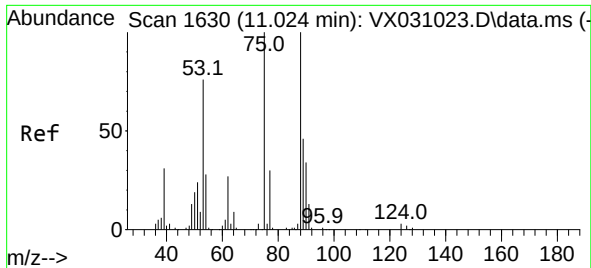
Tgt Ion: 75 Resp: 69155

Ion Ratio Lower Upper

75 100

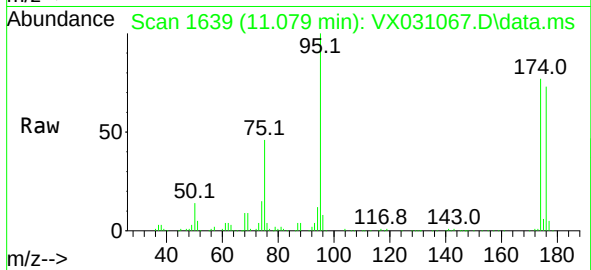
77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.924 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031067.D
 Acq: 02 Sep 2022 15:15

Instrument :
 MSVOA_X
 ClientSampleId :
 TT162S1-20220822



Tgt Ion: 75 Resp: 69155
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

