

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029867.D
 Acq On : 29 Jun 2022 17:17
 Operator : JC/MD
 Sample : N3485-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT161S1-20220623

Quant Time: Jun 29 23:00:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

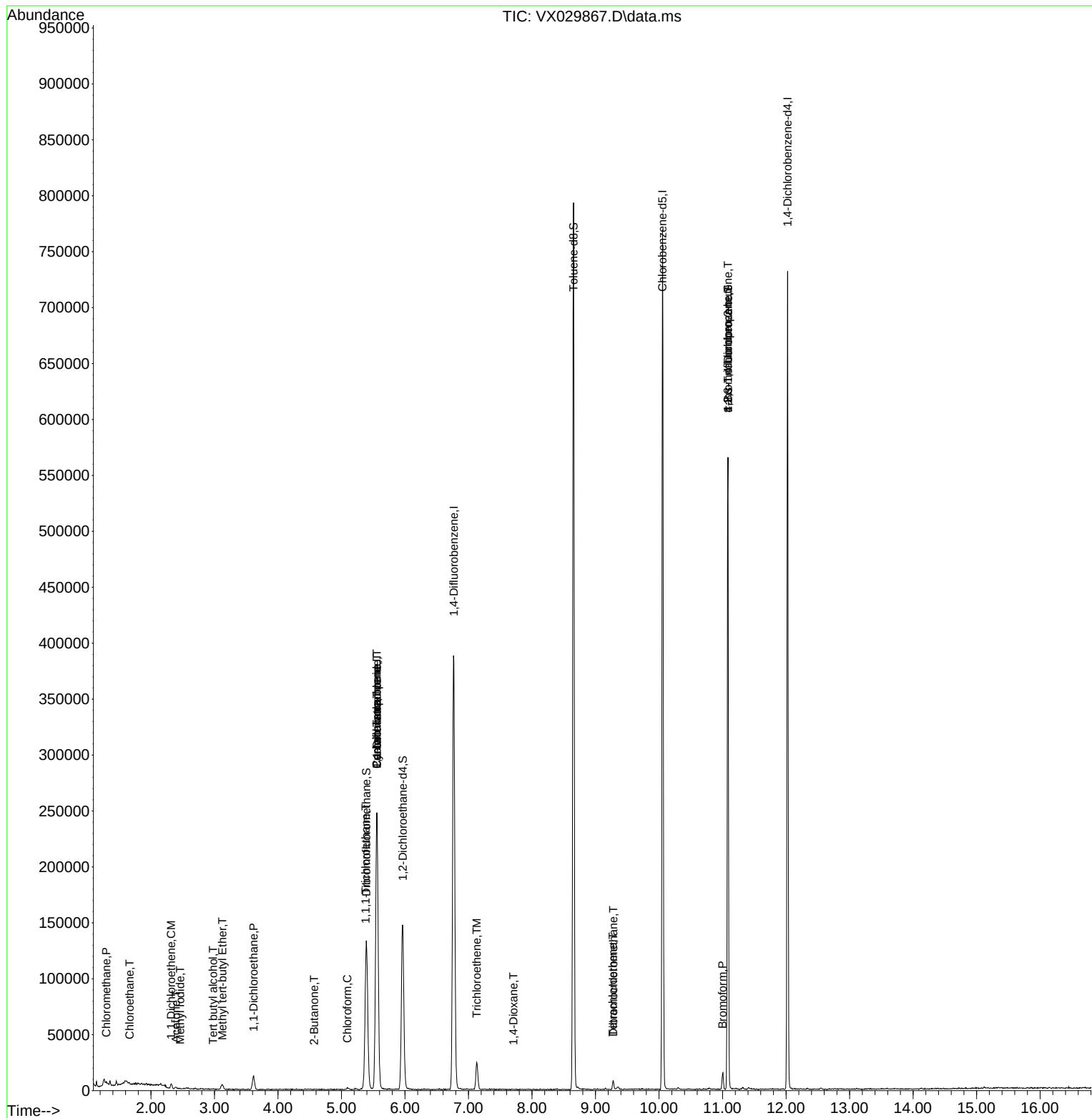
Internal Standards						
1) Pentafluorobenzene	5.556	168	245045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	422471	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	353620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	132682	42.775	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.560%		
35) Dibromofluoromethane	5.391	113	118126	44.741	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.480%		
50) Toluene-d8	8.653	98	476802	48.139	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.280%		
62) 4-Bromofluorobenzene	11.085	95	157701	45.042	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.080%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	615	0.223	ug/l #	79
6) Chloroethane	1.666	64	254	1.160	ug/l #	71
10) Methyl Iodide	2.459	142	20	1.879	ug/l #	45
11) Tert butyl alcohol	2.977	59	186	0.229	ug/l #	74
12) 1,1-Dichloroethene	2.319	96	1484	0.588	ug/l #	75
13) Acrolein	2.233	56	104	Below Cal	#	13
16) Acetone	2.392	43	999	0.658	ug/l #	77
19) Methyl tert-butyl Ether	3.123	73	4597	0.540	ug/l #	87
24) 1,1-Dichloroethane	3.617	63	12932	2.605	ug/l	97
25) 2-Butanone	4.568	43	726	0.276	ug/l	91
30) Chloroform	5.092	83	1588	0.326	ug/l	86
31) Cyclohexane	5.556	56	5029	1.163	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	1309	0.338	ug/l #	47
36) 1,1-Dichloropropene	5.556	75	18504	5.270	ug/l #	47
38) Carbon Tetrachloride	5.556	117	23365	7.679	ug/l #	18
44) Trichloroethene	7.129	130	9891	3.235	ug/l	94
49) 1,4-Dioxane	7.708	88	21	0.259	ug/l #	1
60) Dibromochloromethane	9.281	129	856	0.325	ug/l #	11
64) Tetrachloroethene	9.275	164	902	0.423	ug/l #	70
71) Bromoform	11.000	173	501	0.296	ug/l #	29
76) 1,2,3-Trichloropropane	11.085	75	72758	20.112	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	72758	63.870	ug/l #	13

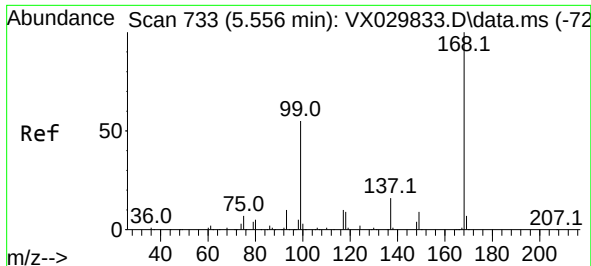
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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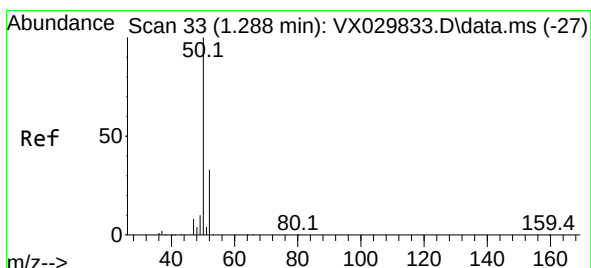
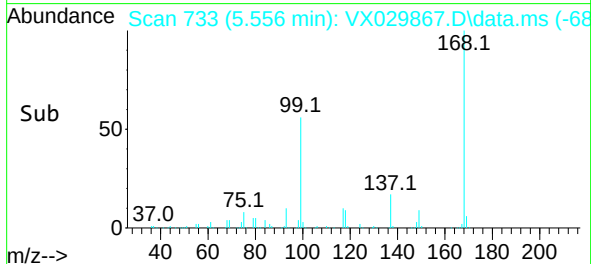
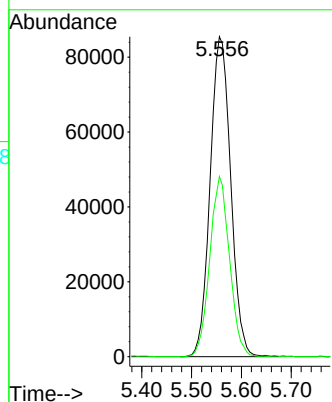
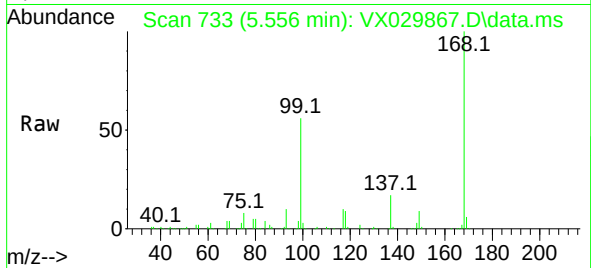




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

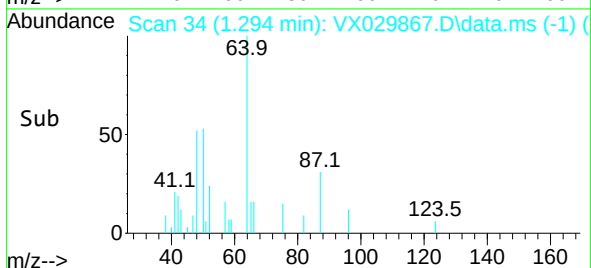
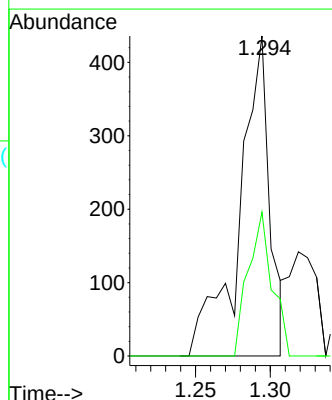
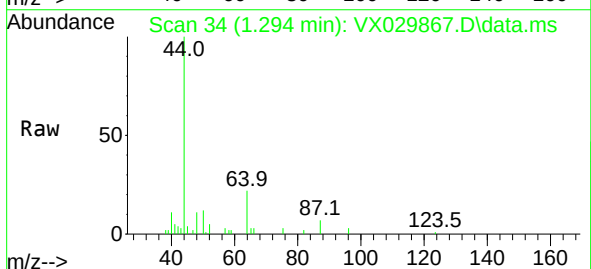
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220623

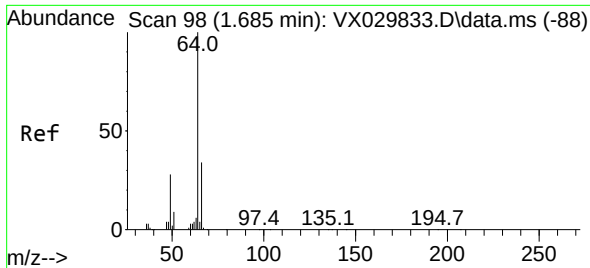
Tgt Ion:168 Resp: 245045
Ion Ratio Lower Upper
168 100
99 56.3 44.0 66.0



#3
Chloromethane
Concen: 0.223 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Tgt Ion: 50 Resp: 615
Ion Ratio Lower Upper
50 100
52 45.0 26.3 39.5

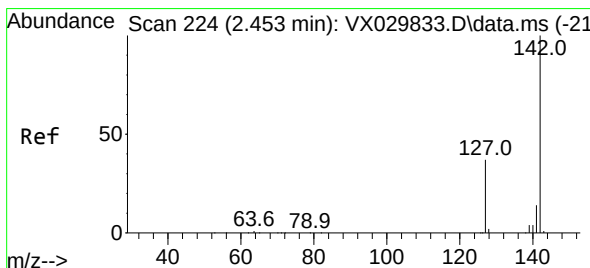
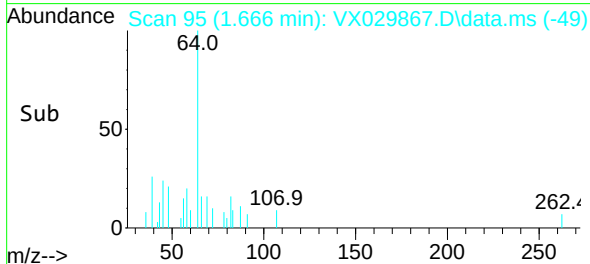
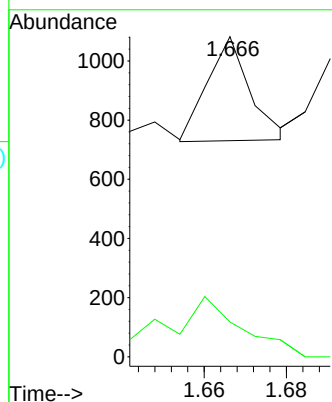
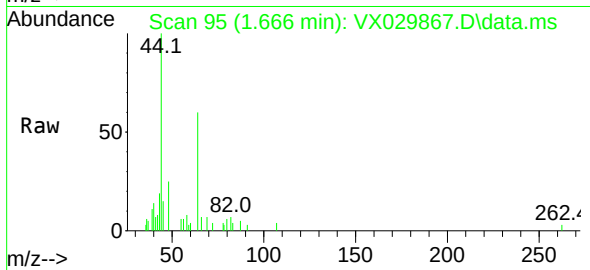




#6
Chloroethane
Concen: 1.160 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

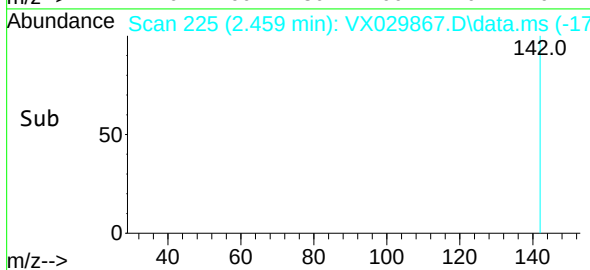
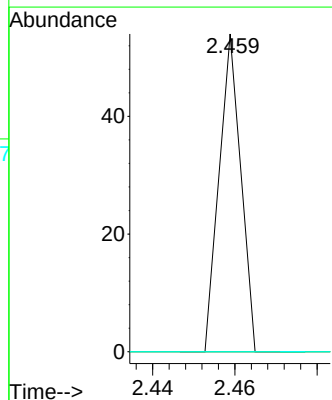
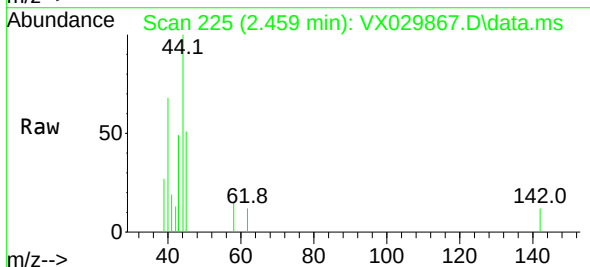
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220623

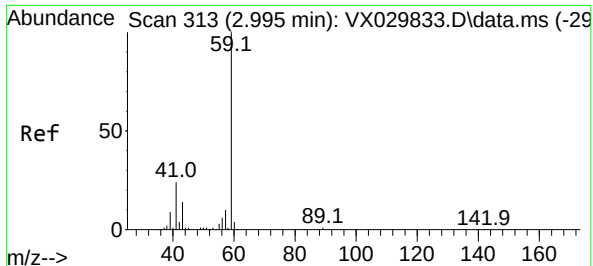
Tgt Ion: 64 Resp: 254
Ion Ratio Lower Upper
64 100
66 17.2 27.2 40.8#



#10
Methyl Iodide
Concen: 1.879 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Tgt Ion: 142 Resp: 20
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: 0.229 ug/l

RT: 2.977 min Scan# 31

Delta R.T. -0.018 min

Lab File: VX029867.D

Acq: 29 Jun 2022 17:17

Instrument :

MSVOA_X

ClientSampleId :

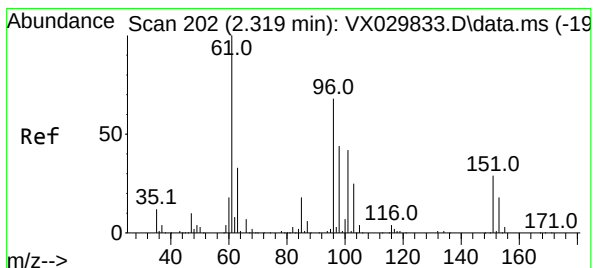
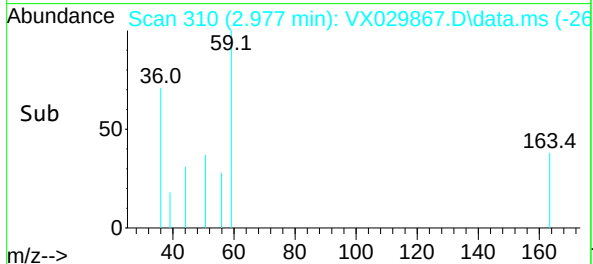
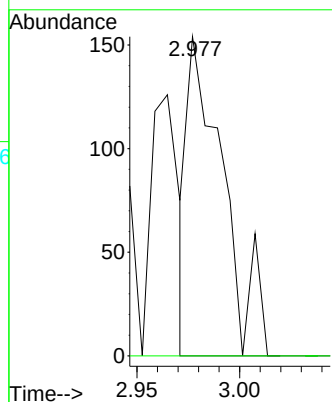
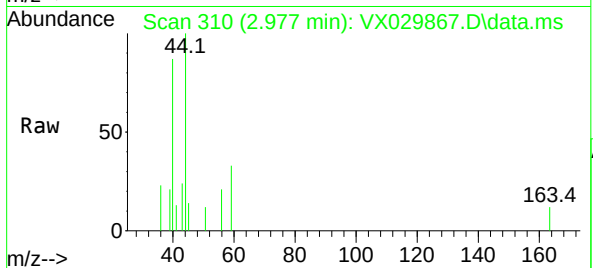
TT161S1-20220623

Tgt Ion: 59 Resp: 186

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#12

1,1-Dichloroethene

Concen: 0.588 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX029867.D

Acq: 29 Jun 2022 17:17

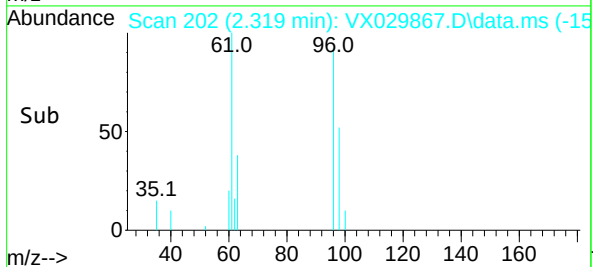
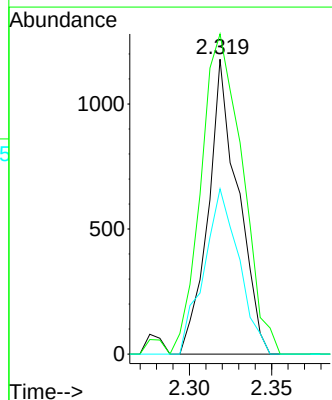
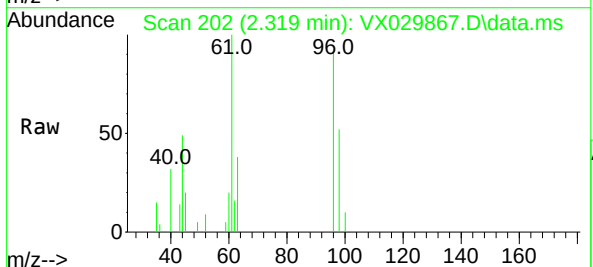
Tgt Ion: 96 Resp: 1484

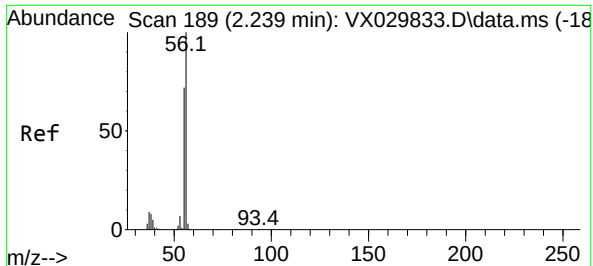
Ion Ratio Lower Upper

96 100

61 108.6 117.4 176.0#

98 56.1 52.2 78.4

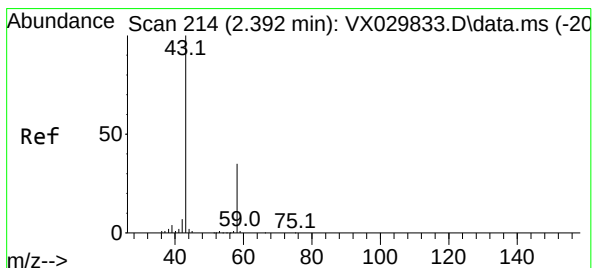
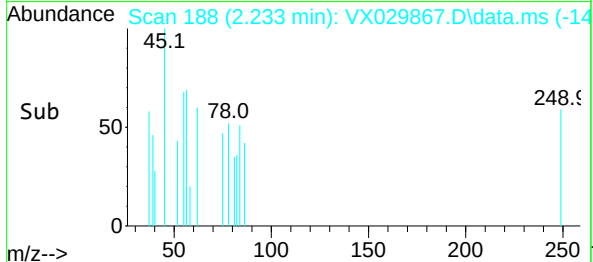
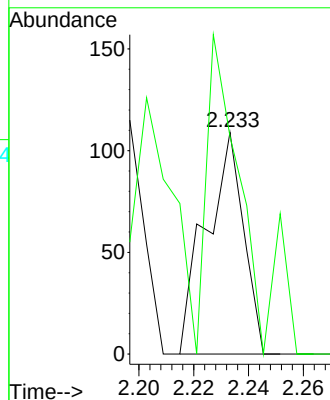
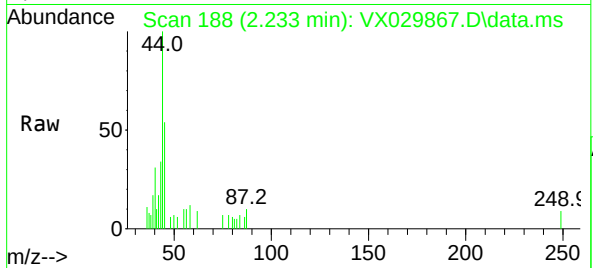




#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

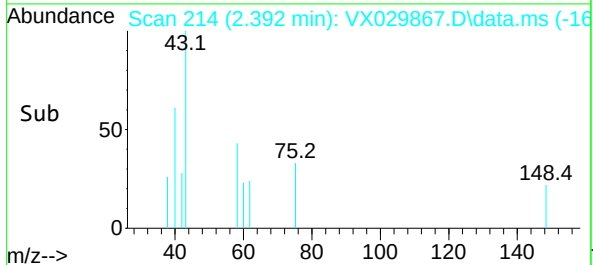
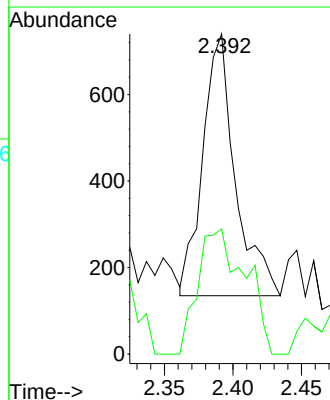
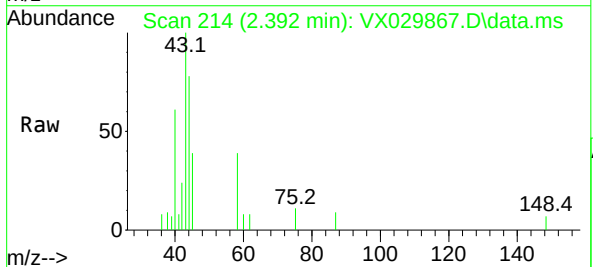
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220623

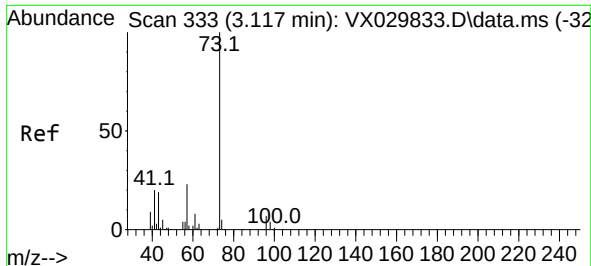
Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 142.3 56.6 84.8#



#16
Acetone
Concen: 0.658 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
58 47.8 27.7 41.5#

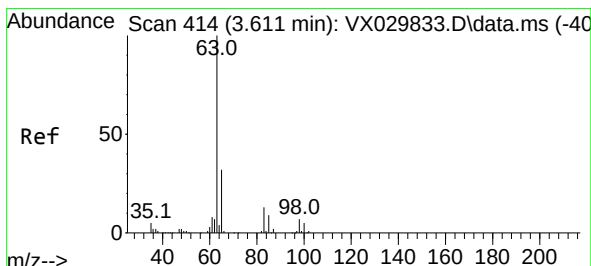
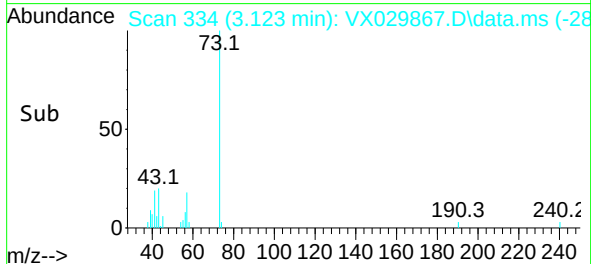
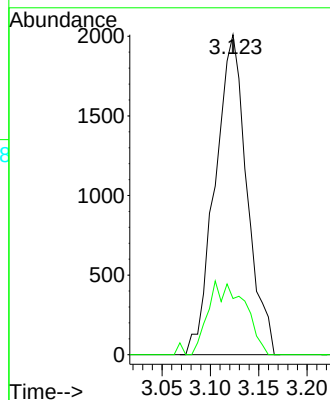
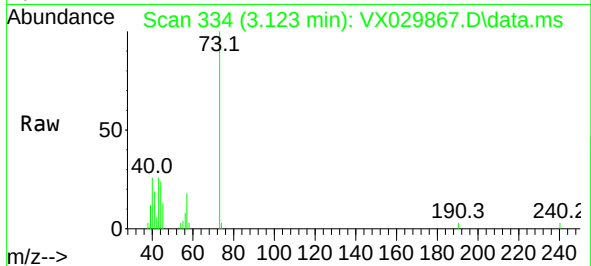




#19
Methyl tert-butyl Ether
Concen: 0.540 ug/l
RT: 3.123 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

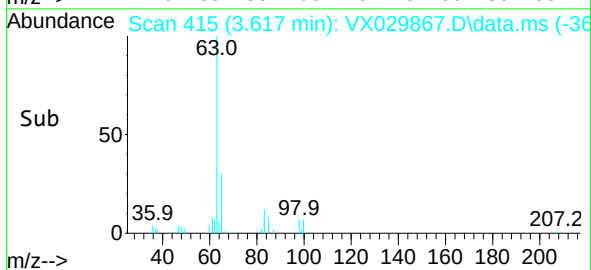
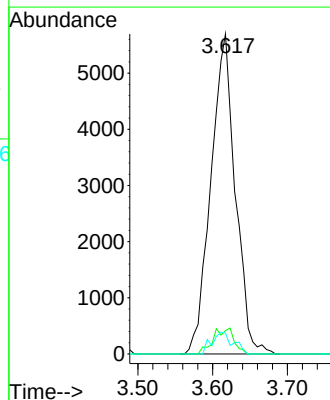
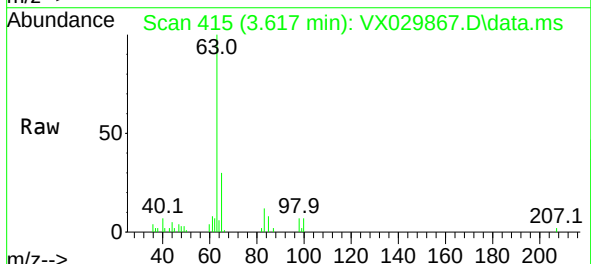
Instrument :
MSVOA_X
ClientSampleId :
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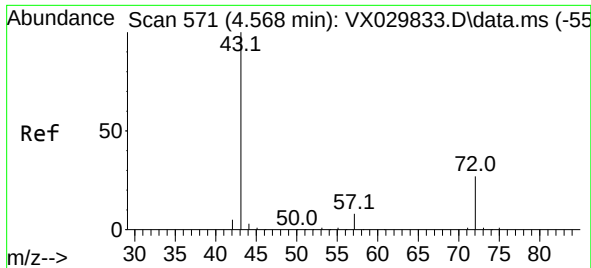
Tgt Ion: 73 Resp: 4597
Ion Ratio Lower Upper
73 100
57 17.6 19.0 28.6#



#24
1,1-Dichloroethane
Concen: 2.605 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Tgt Ion: 63 Resp: 12932
Ion Ratio Lower Upper
63 100
98 7.3 3.5 10.5
100 6.5 2.3 6.9

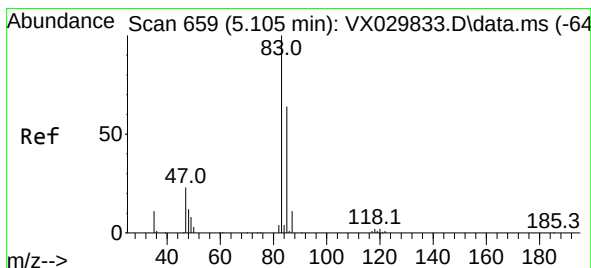
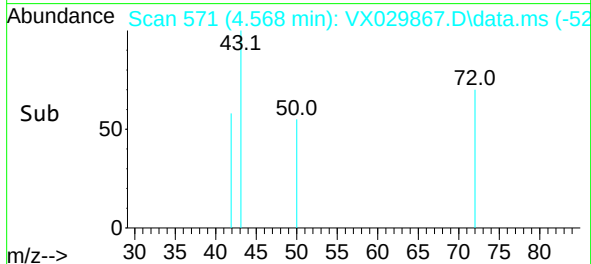
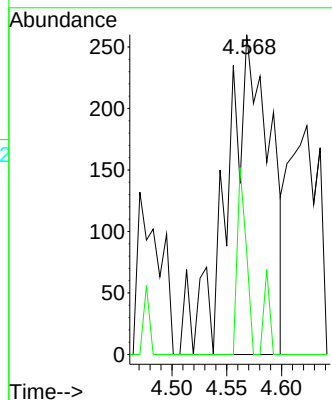
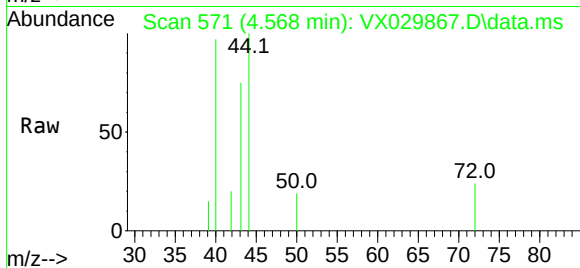




#25
2-Butanone
Concen: 0.276 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

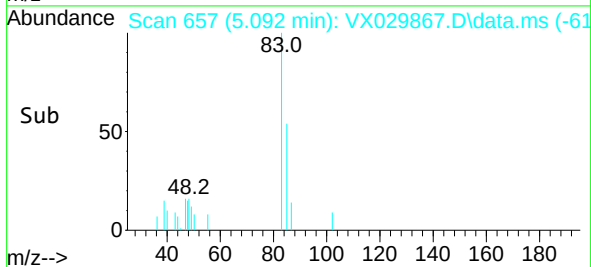
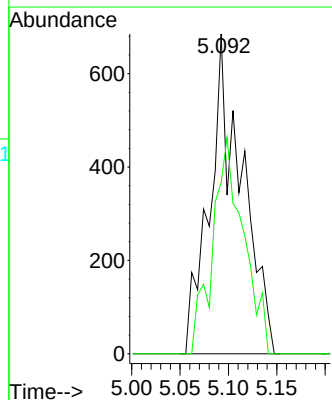
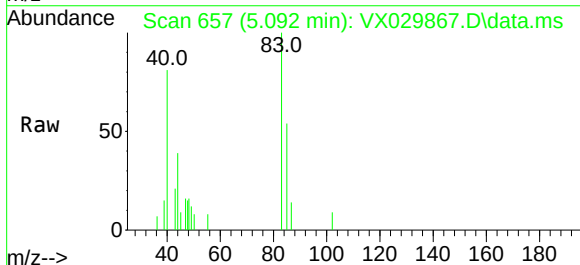
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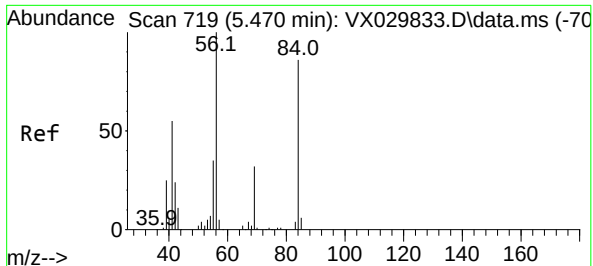
Tgt Ion: 43 Resp: 726
Ion Ratio Lower Upper
43 100
72 31.9 21.7 32.5



#30
Chloroform
Concen: 0.326 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.012 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

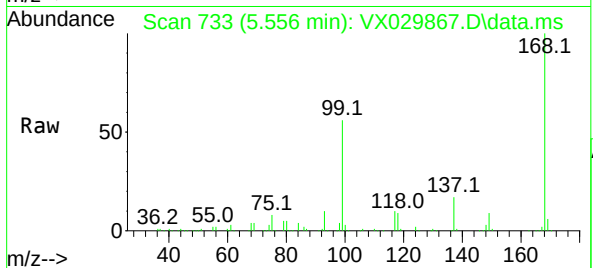
Tgt Ion: 83 Resp: 1588
Ion Ratio Lower Upper
83 100
85 53.6 51.5 77.3





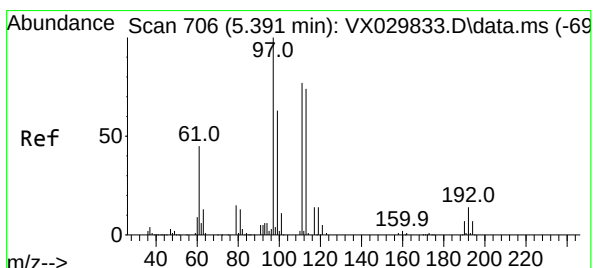
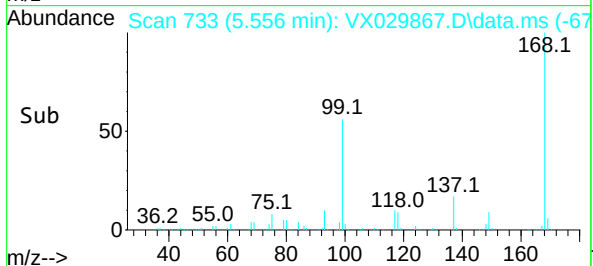
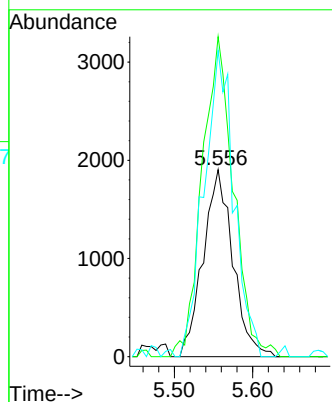
#31
Cyclohexane
Concen: 1.163 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220623



Tgt Ion: 56 Resp: 5029

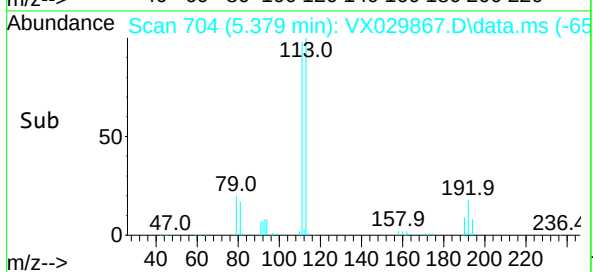
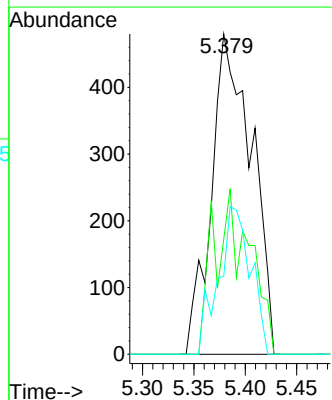
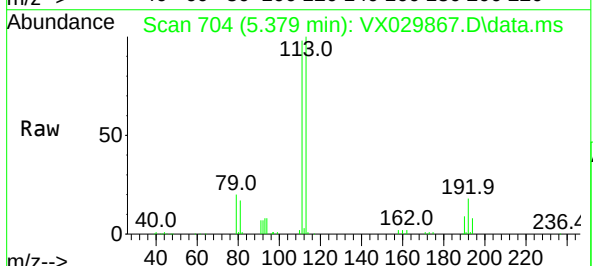
Ion	Ratio	Lower	Upper
56	100		
69	171.1	25.4	38.0#
84	163.7	68.9	103.3#

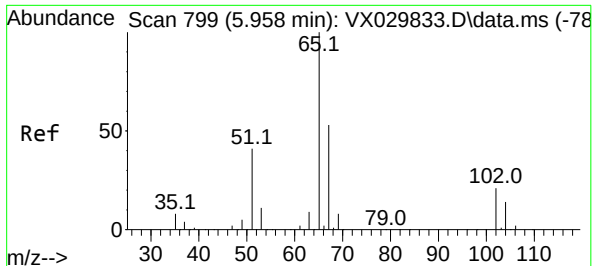


#32
1,1,1-Trichloroethane
Concen: 0.338 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.012 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Tgt Ion: 97 Resp: 1309

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.0#
61	36.8	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 42.775 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029867.D

Acq: 29 Jun 2022 17:17

Instrument :

MSVOA_X

ClientSampleId :

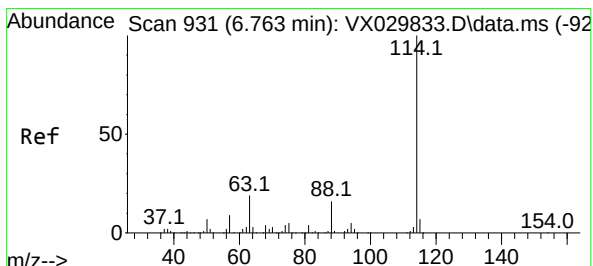
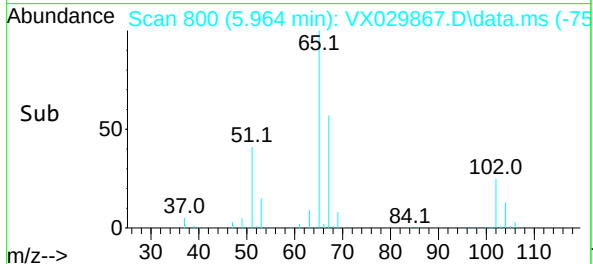
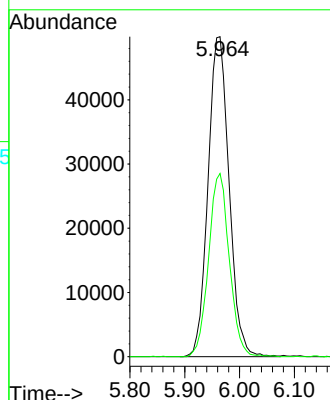
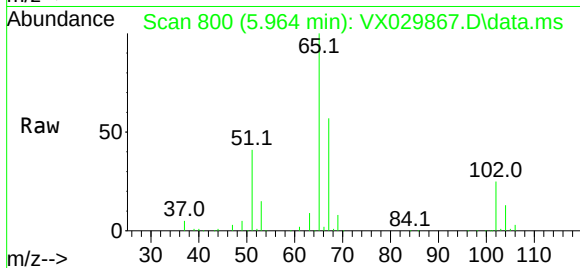
TT161S1-20220623

Tgt Ion: 65 Resp: 132682

Ion Ratio Lower Upper

65 100

67 56.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029867.D

Acq: 29 Jun 2022 17:17

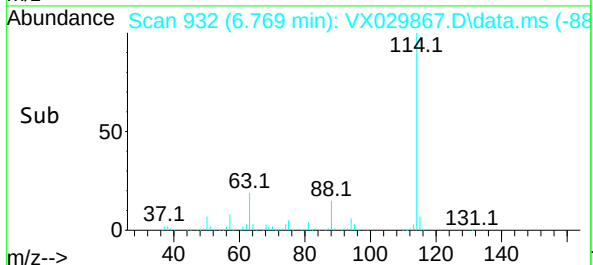
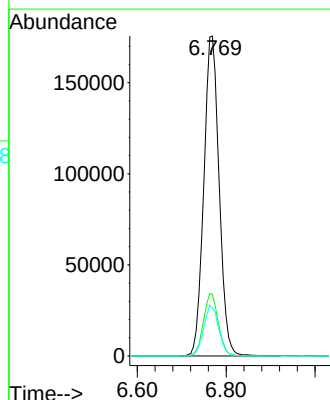
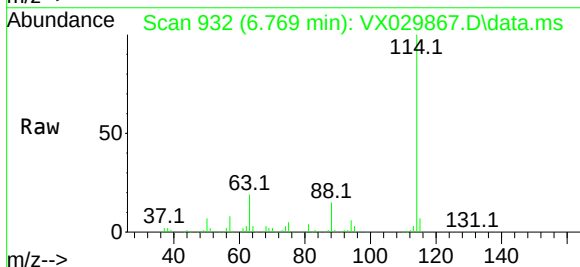
Tgt Ion: 114 Resp: 422471

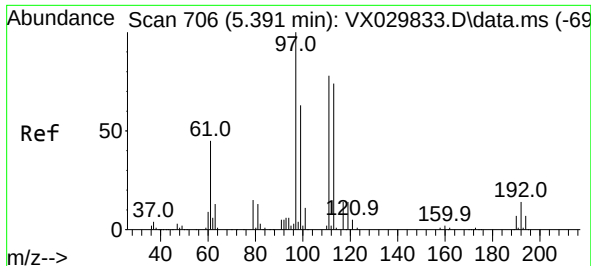
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 44.741 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029867.D

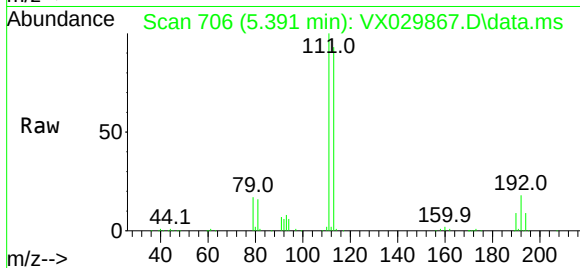
Acq: 29 Jun 2022 17:17

Instrument :

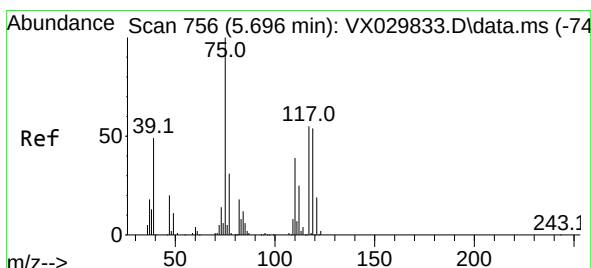
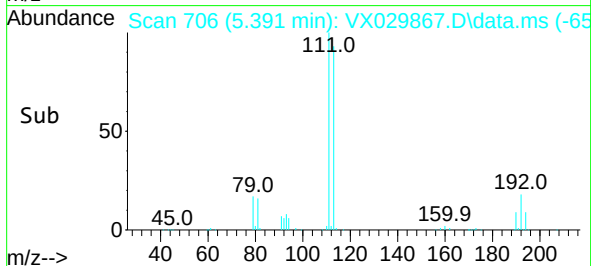
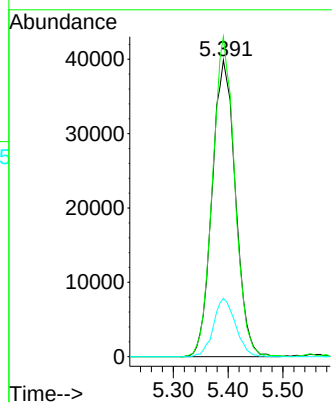
MSVOA_X

ClientSampleId :

TT161S1-20220623



Tgt Ion:	113	Resp:	118126
Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.2	124.8
192	18.6	14.8	22.2



#36

1,1-Dichloropropene

Concen: 5.270 ug/l

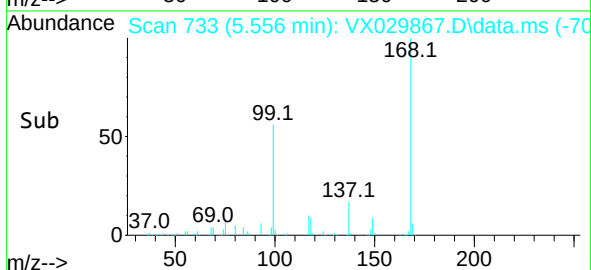
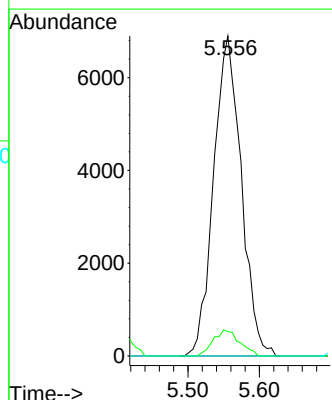
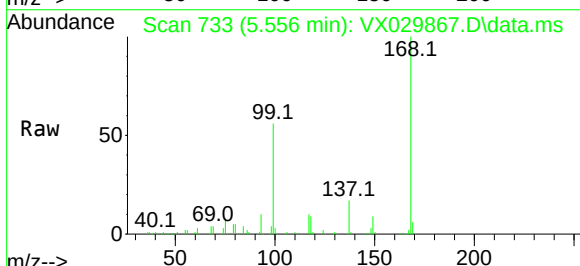
RT: 5.556 min Scan# 733

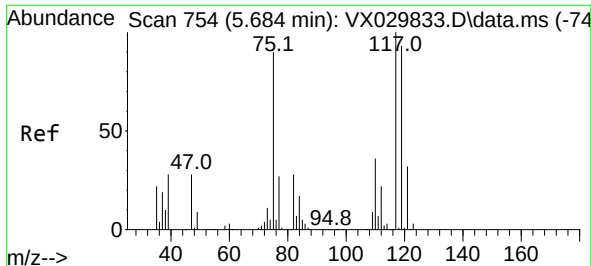
Delta R.T. -0.140 min

Lab File: VX029867.D

Acq: 29 Jun 2022 17:17

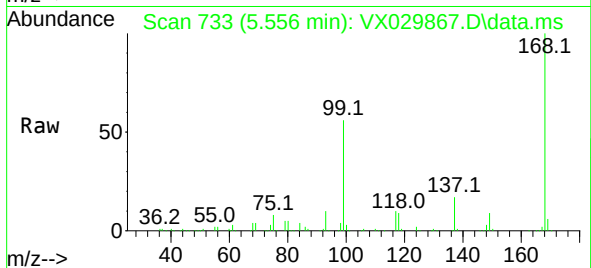
Tgt Ion:	75	Resp:	18504
Ion	Ratio	Lower	Upper
75	100		
110	7.8	19.3	57.9#
77	0.0	24.4	36.6#



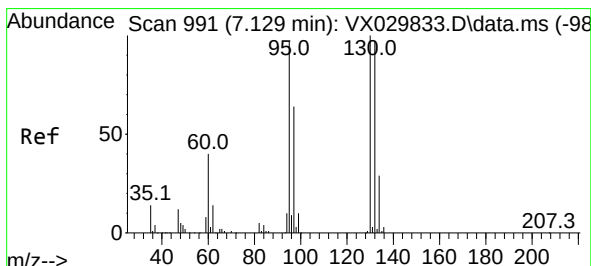
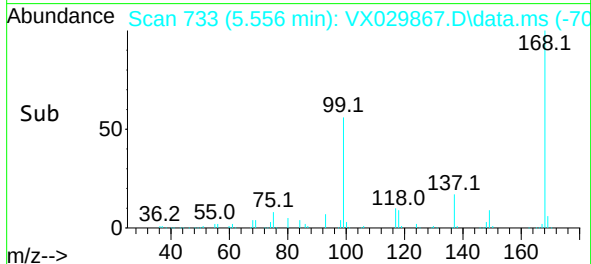
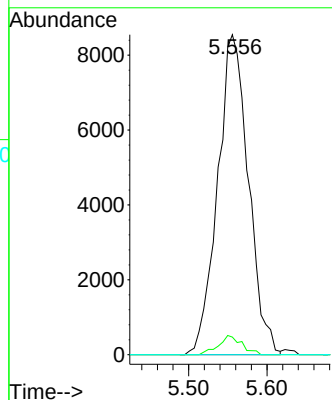


#38
Carbon Tetrachloride
Concen: 7.679 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220623

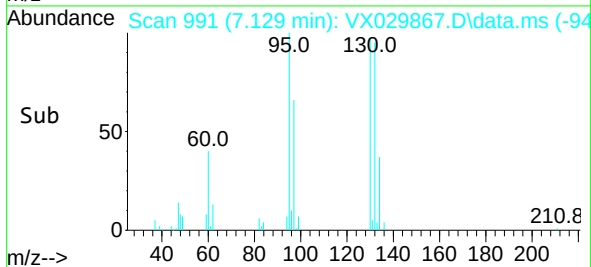
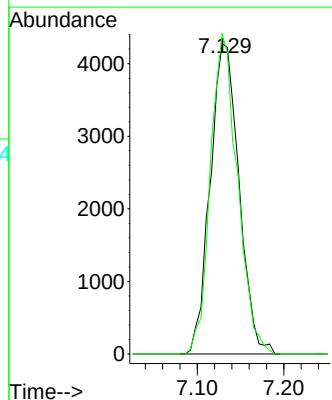
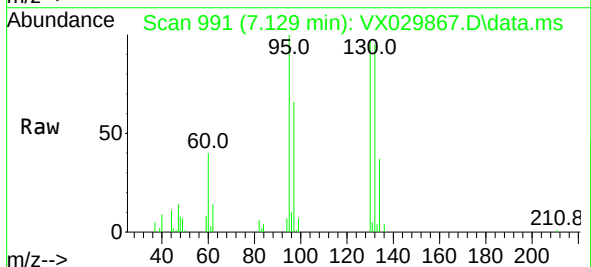


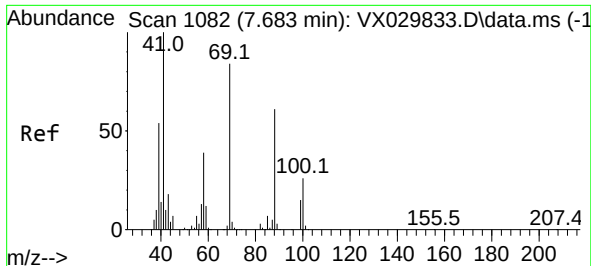
Tgt Ion:117 Resp: 23365
Ion Ratio Lower Upper
117 100
119 5.5 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 3.235 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Tgt Ion:130 Resp: 9891
Ion Ratio Lower Upper
130 100
95 103.1 0.0 194.8





#49

1,4-Dioxane

Concen: 0.259 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. 0.024 min

Lab File: VX029867.D

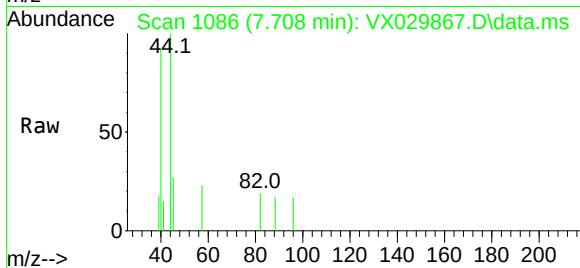
Acq: 29 Jun 2022 17:17

Instrument :

MSVOA_X

ClientSampleId :

TT161S1-20220623



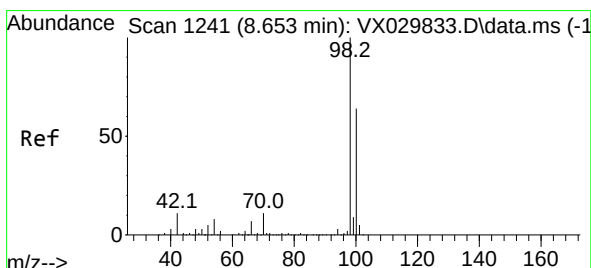
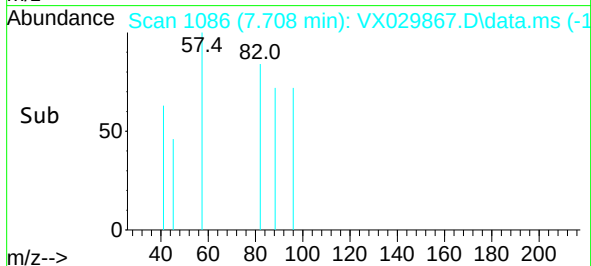
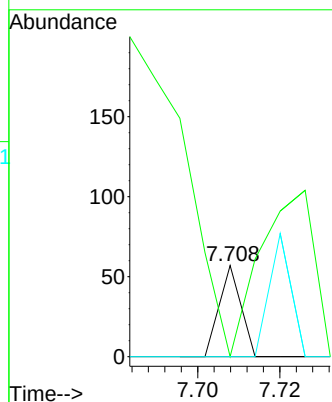
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 447.6 23.8 35.8#

58 133.3 53.8 80.6#



#50

Toluene-d8

Concen: 48.139 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX029867.D

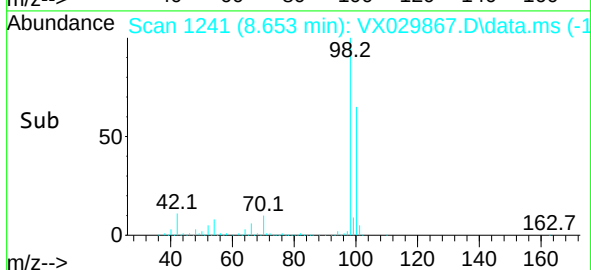
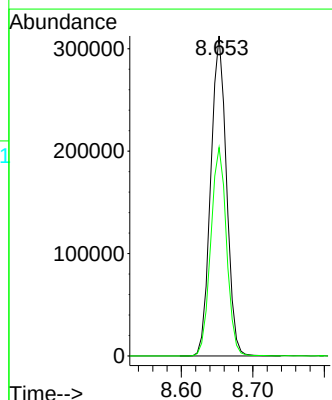
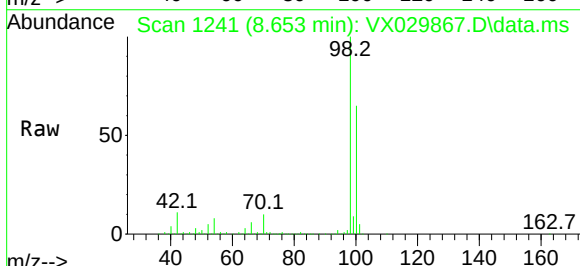
Acq: 29 Jun 2022 17:17

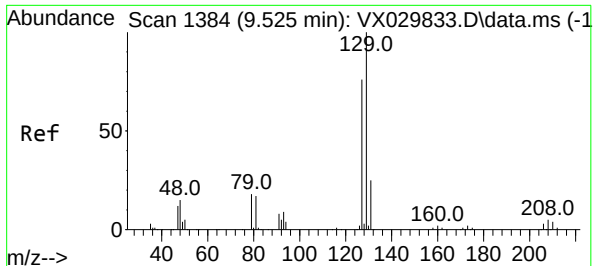
Tgt Ion: 98 Resp: 476802

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5

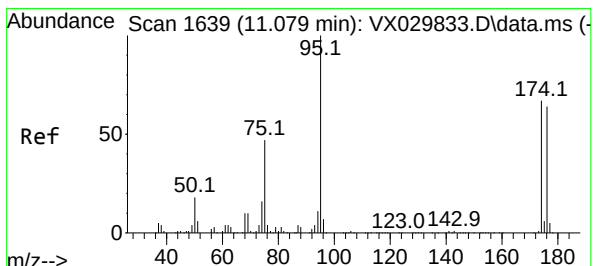
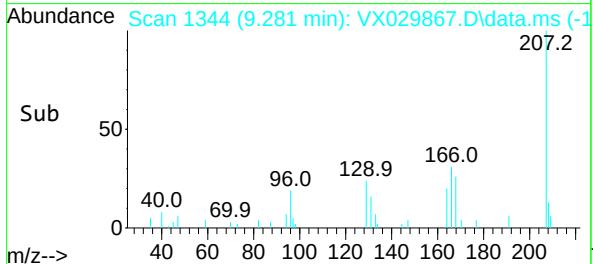
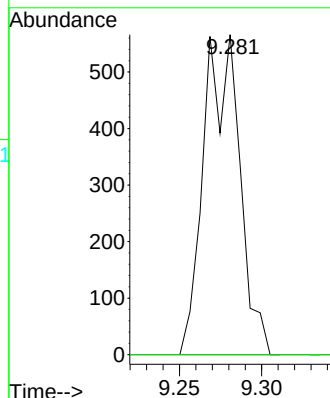
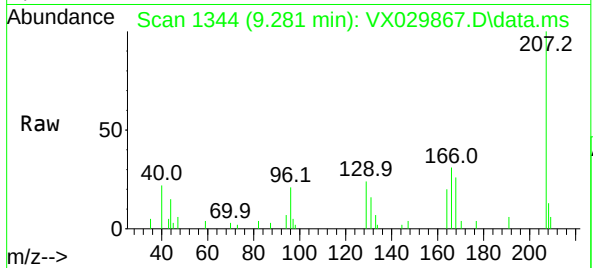




#60
 Dibromochloromethane
 Concen: 0.325 ug/l
 RT: 9.281 min Scan# 11
 Delta R.T. -0.244 min
 Lab File: VX029867.D
 Acq: 29 Jun 2022 17:17

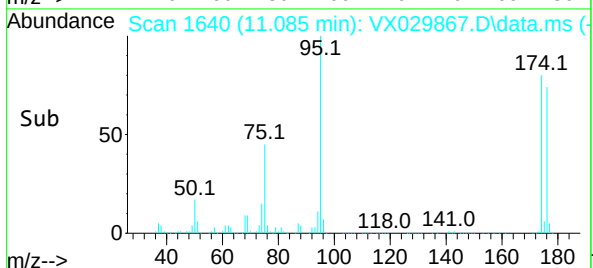
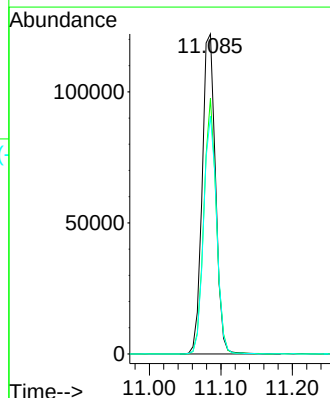
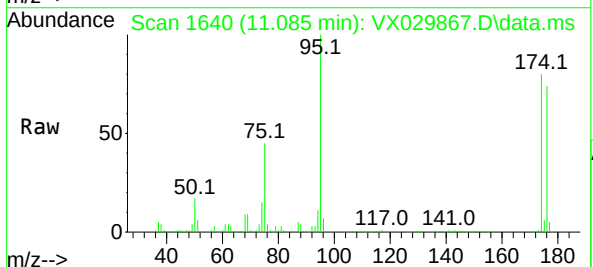
Instrument :
 MSVOA_X
 ClientSampleId :
 TT161S1-20220623

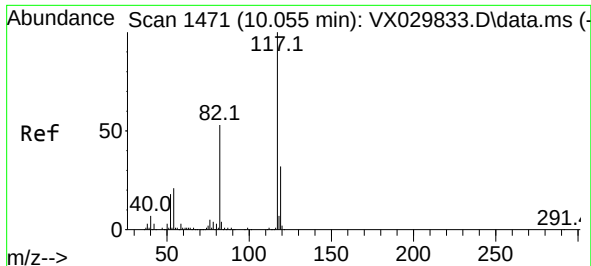
Tgt Ion:129 Resp: 856
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



#62
 4-Bromofluorobenzene
 Concen: 45.042 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.006 min
 Lab File: VX029867.D
 Acq: 29 Jun 2022 17:17

Tgt Ion: 95 Resp: 157701
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 149.0
 176 72.9 0.0 146.0

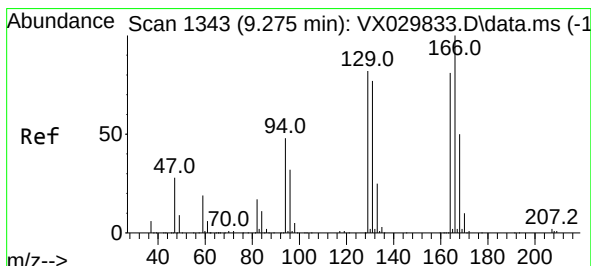
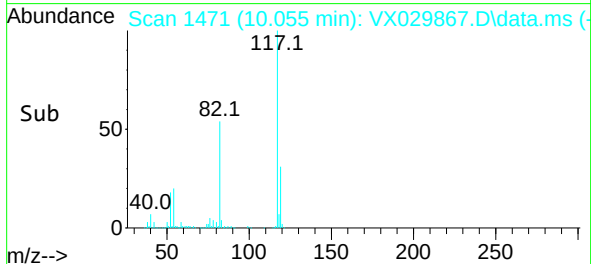
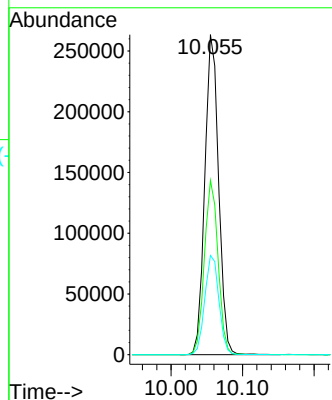
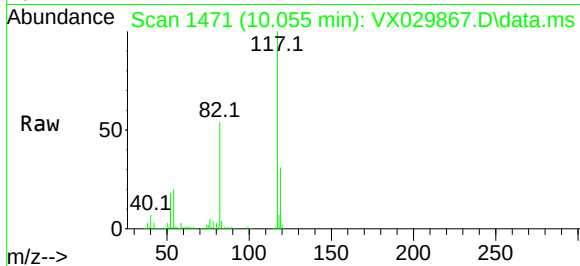




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

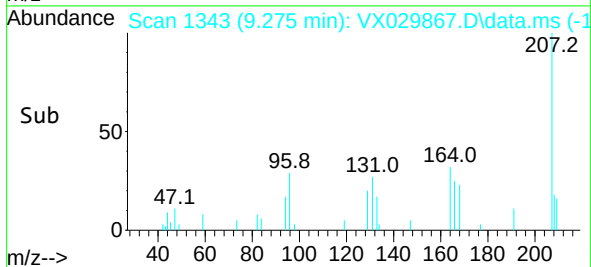
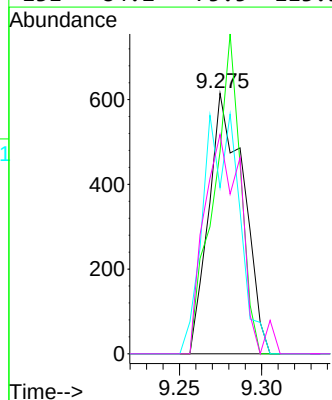
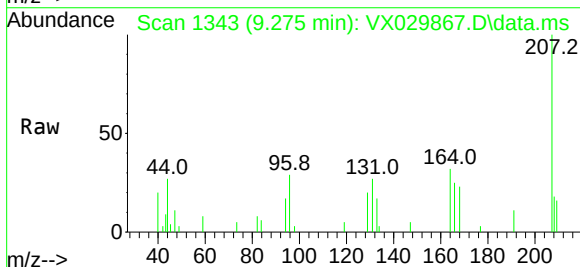
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220623

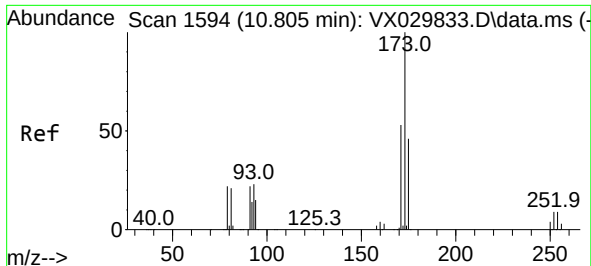
Tgt Ion:117 Resp: 353620
Ion Ratio Lower Upper
117 100
82 54.4 42.7 64.1
119 31.0 25.4 38.2



#64
Tetrachloroethene
Concen: 0.423 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Tgt Ion:164 Resp: 902
Ion Ratio Lower Upper
164 100
166 77.6 98.2 147.4#
129 63.7 80.8 121.2#
131 84.2 75.5 113.3

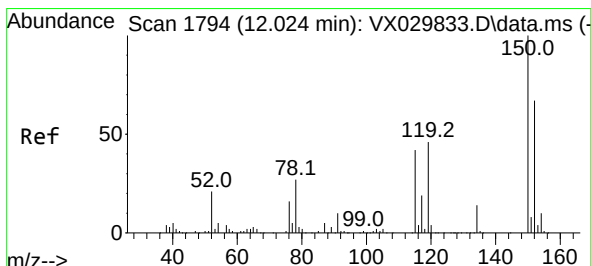
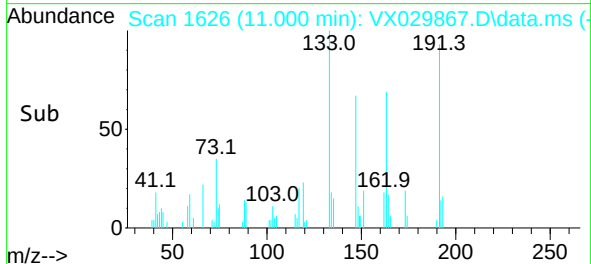
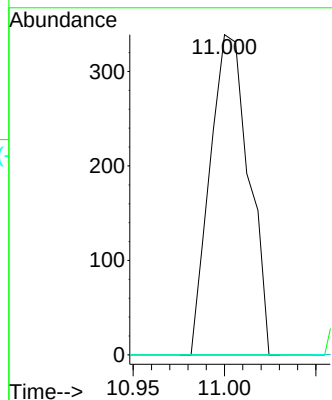
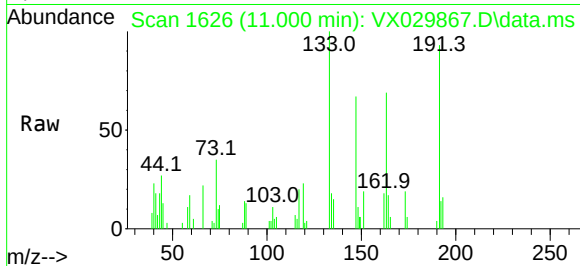




#71
Bromoform
Concen: 0.296 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.195 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

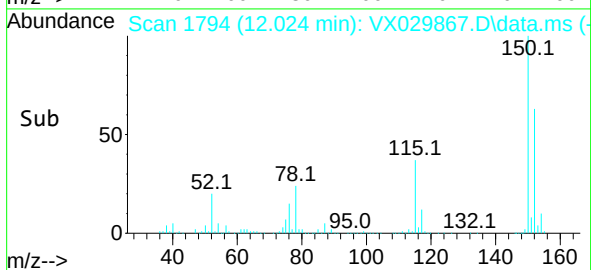
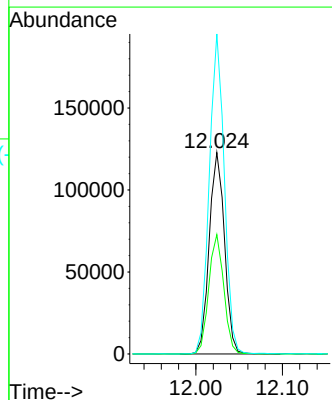
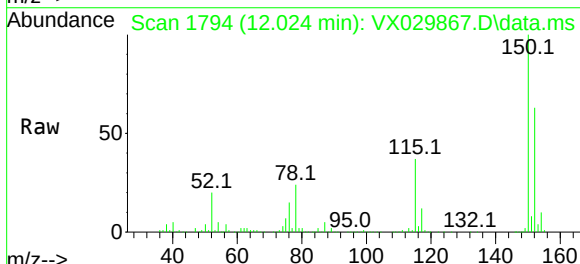
Instrument :
MSVOA_X
ClientSampleId :
TT161S1-20220623

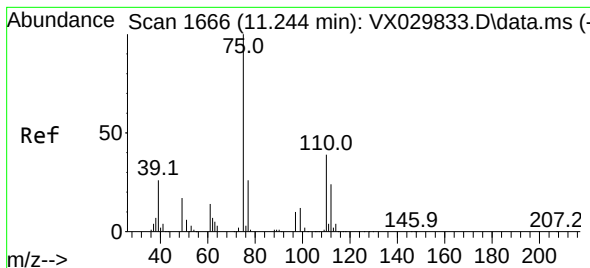
Tgt Ion:173 Resp: 501
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029867.D
Acq: 29 Jun 2022 17:17

Tgt Ion:152 Resp: 151124
Ion Ratio Lower Upper
152 100
115 58.1 40.5 121.5
150 155.5 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 20.112 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.158 min

Lab File: VX029867.D

Acq: 29 Jun 2022 17:17

Instrument :

MSVOA_X

ClientSampleId :

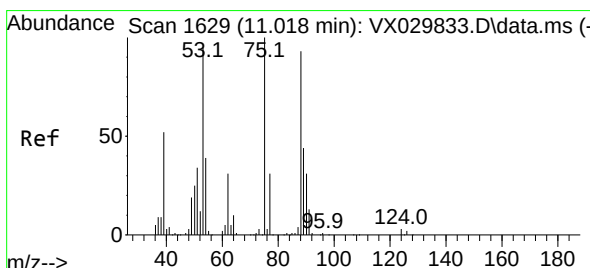
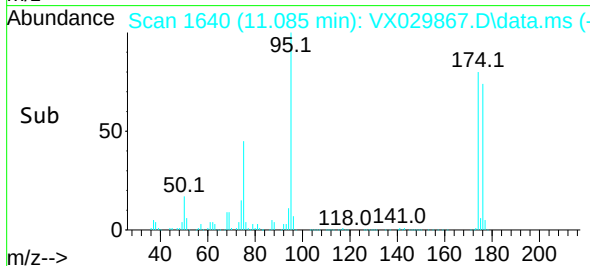
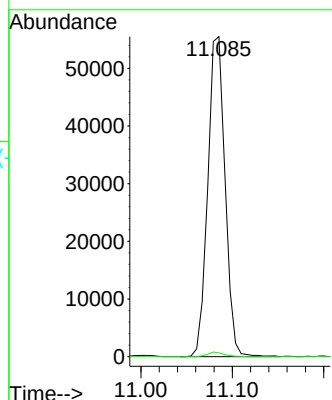
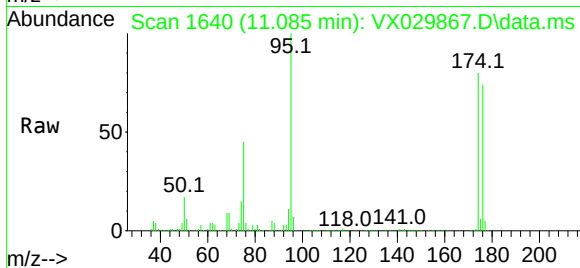
TT161S1-20220623

Tgt Ion: 75 Resp: 72758

Ion Ratio Lower Upper

75 100

77 1.4 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.870 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX029867.D

Acq: 29 Jun 2022 17:17

Tgt Ion: 75 Resp: 72758

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

