

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029862.D
 Acq On : 29 Jun 2022 15:20
 Operator : JC/MD
 Sample : N3505-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20220624

Quant Time: Jun 29 22:59:50 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	248916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	432175	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163848	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	136272	43.249	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.500%
35) Dibromofluoromethane	5.391	113	122851	45.486	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.980%
50) Toluene-d8	8.653	98	488928	48.255	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.500%
62) 4-Bromofluorobenzene	11.085	95	167041	46.639	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.280%

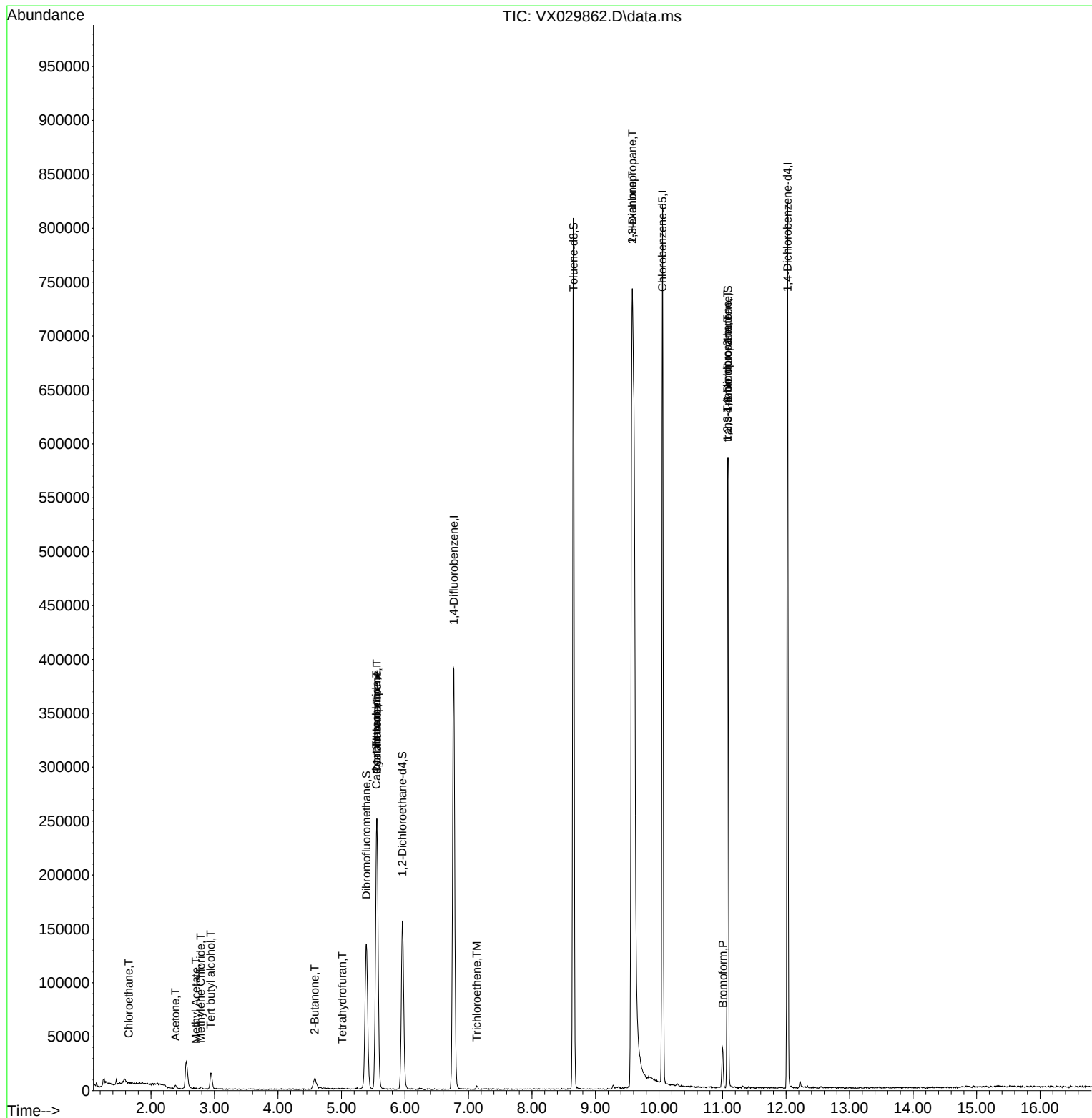
Target Compounds			Qvalue			
6) Chloroethane	1.648	64	385	1.221	ug/l #	70
11) Tert butyl alcohol	2.941	59	9285	11.268	ug/l #	75
13) Acrolein	2.221	56	274	Below Cal	#	14
16) Acetone	2.386	43	3241	2.103	ug/l #	85
18) Methyl Acetate	2.709	43	1217	0.256	ug/l #	77
20) Methylene Chloride	2.782	84	755	0.232	ug/l #	73
25) 2-Butanone	4.574	43	651	0.243	ug/l	95
29) Tetrahydrofuran	5.013	42	589	0.335	ug/l #	38
31) Cyclohexane	5.556	56	5212	1.186	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	19495	5.427	ug/l #	48
38) Carbon Tetrachloride	5.550	117	23531	7.560	ug/l #	19
44) Trichloroethene	7.129	130	1015	0.324	ug/l	99
57) 1,3-Dichloropropane	9.580	76	5639	1.148	ug/l #	42
59) 2-Hexanone	9.580	43	410682	108.477	ug/l #	38
71) Bromoform	11.006	173	1596	0.897	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	79732	20.328	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	79732	64.557	ug/l #	13

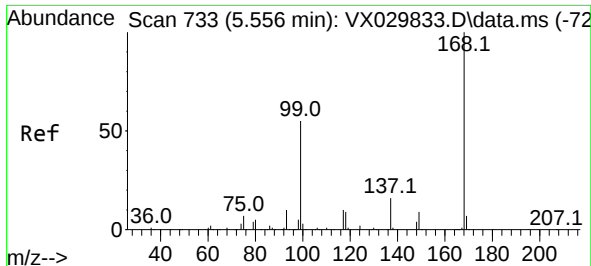
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TB-20220624

Quant Time: Jun 29 22:59:50 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

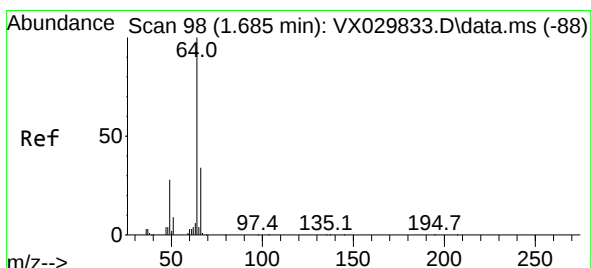
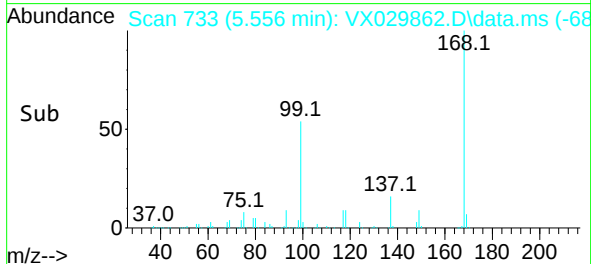
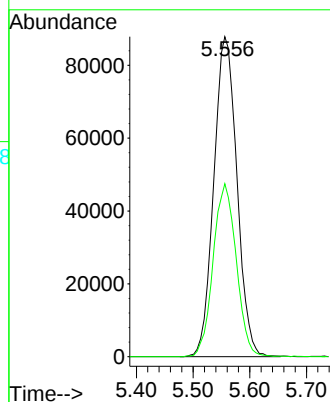
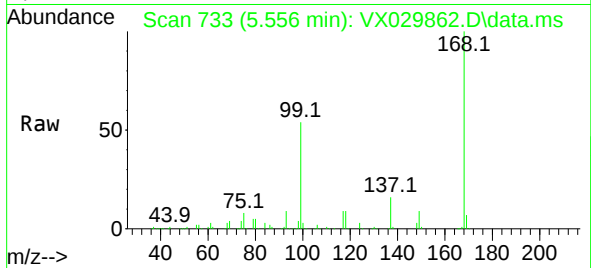




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

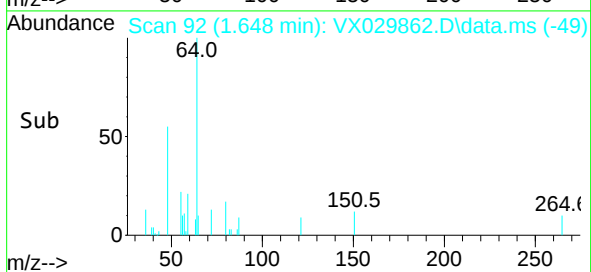
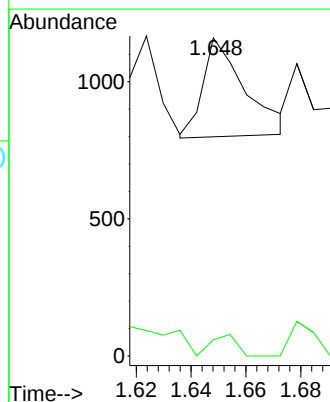
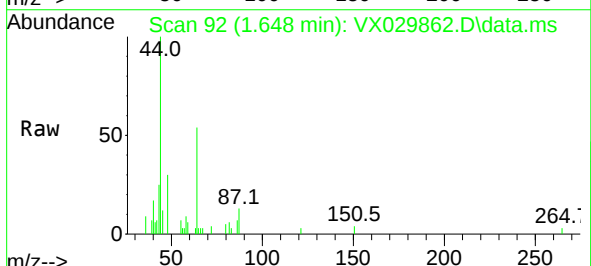
Instrument :
MSVOA_X
ClientSampleId :
TB-20220624

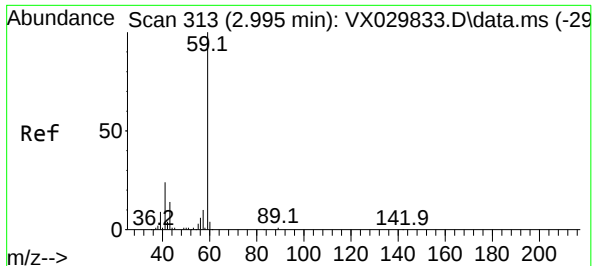
Tgt Ion:168 Resp: 248916
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#6
Chloroethane
Concen: 1.221 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.037 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

Tgt Ion: 64 Resp: 385
Ion Ratio Lower Upper
64 100
66 16.8 27.2 40.8#

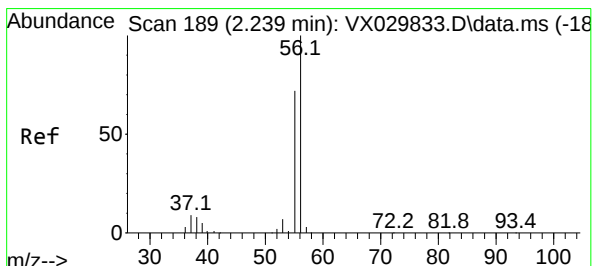
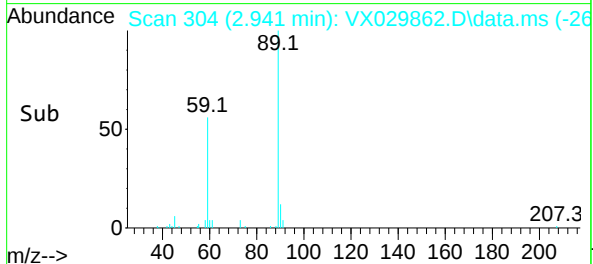
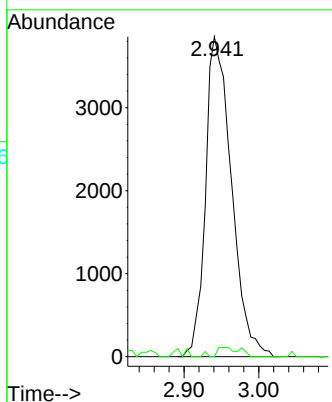
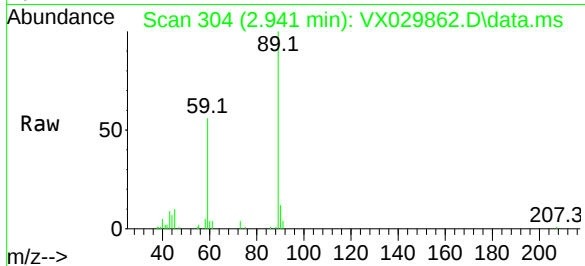




#11
Tert butyl alcohol
Concen: 11.268 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

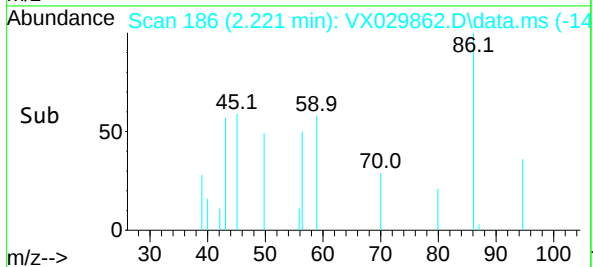
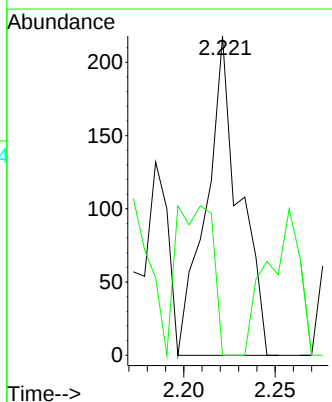
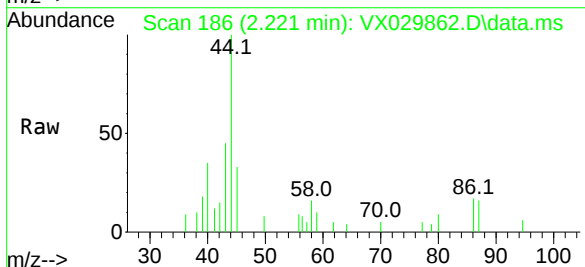
Instrument :
MSVOA_X
ClientSampleId :
TB-20220624

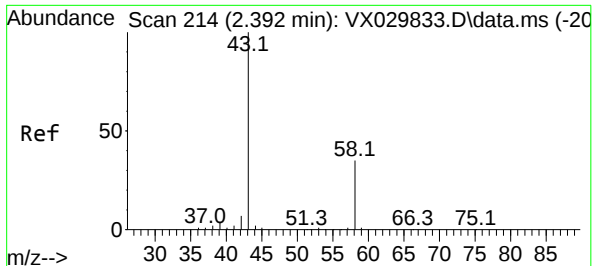
Tgt Ion: 59 Resp: 9285
Ion Ratio Lower Upper
59 100
57 0.2 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

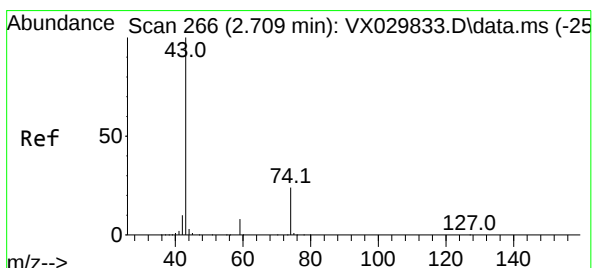
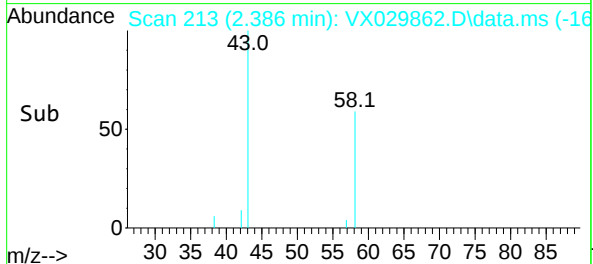
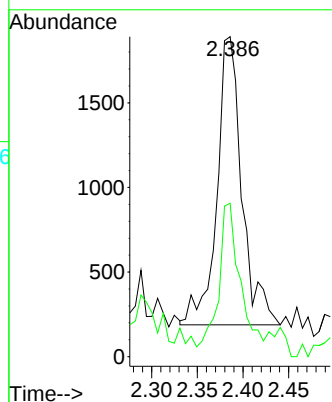
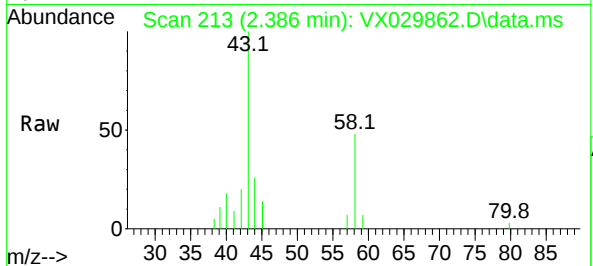




#16
Acetone
Concen: 2.103 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

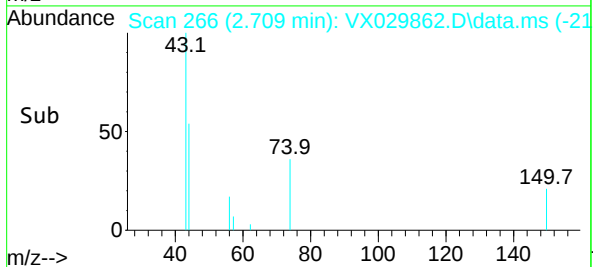
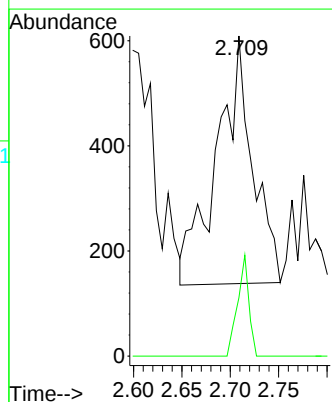
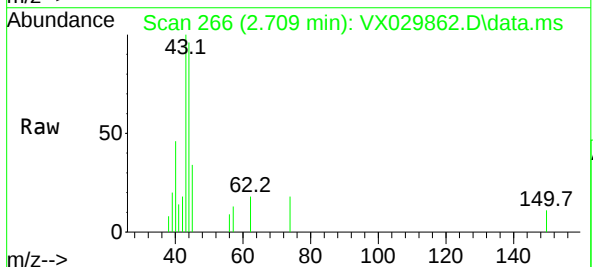
Instrument :
MSVOA_X
ClientSampleId :
TB-20220624

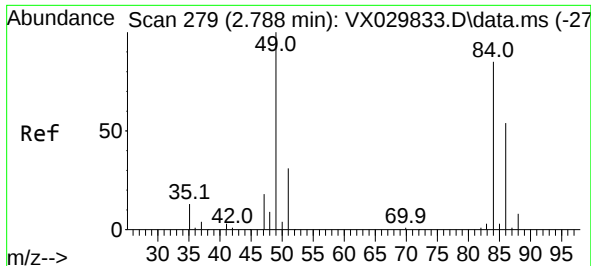
Tgt Ion: 43 Resp: 3241
Ion Ratio Lower Upper
43 100
58 43.3 27.7 41.5#



#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

Tgt Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
74 12.8 19.4 29.2#





#20

Methylene Chloride

Concen: 0.232 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX029862.D

Acq: 29 Jun 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

TB-20220624

Tgt Ion: 84 Resp: 755

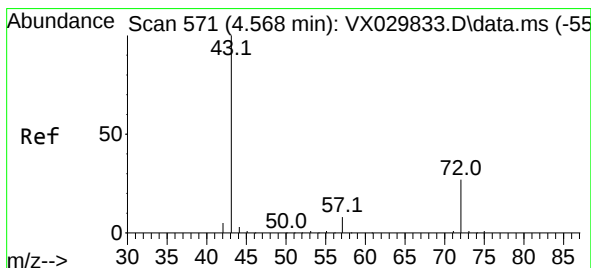
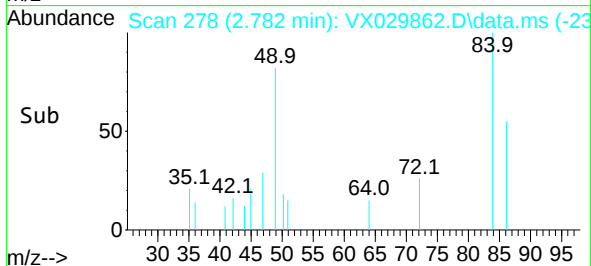
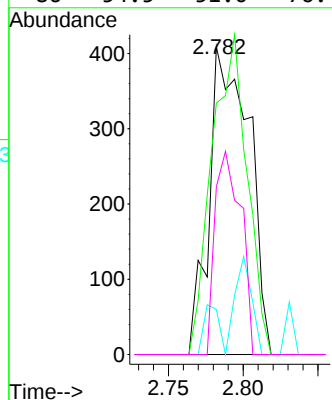
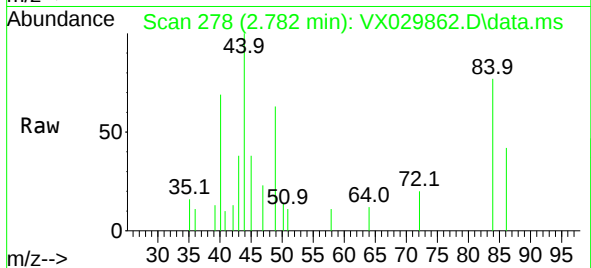
Ion Ratio Lower Upper

84 100

49 81.7 93.8 140.6#

51 14.7 29.4 44.0#

86 54.5 51.0 76.4



#25

2-Butanone

Concen: 0.243 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX029862.D

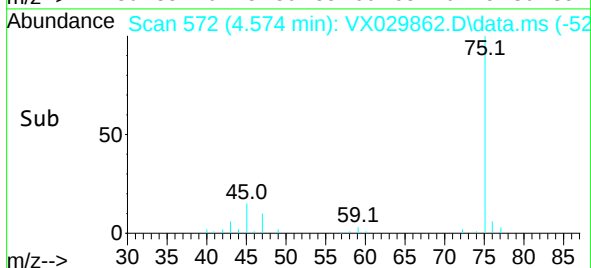
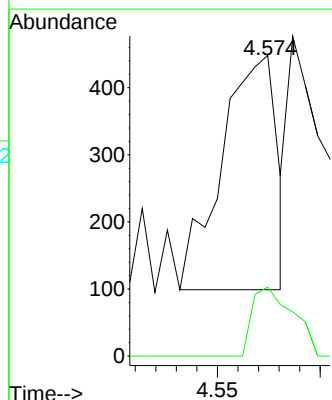
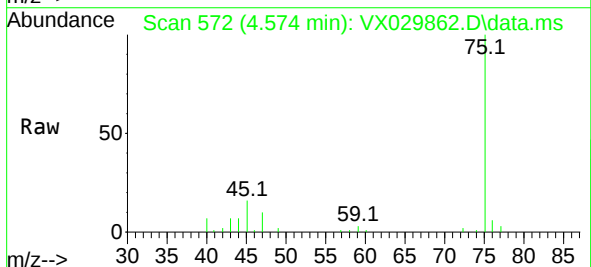
Acq: 29 Jun 2022 15:20

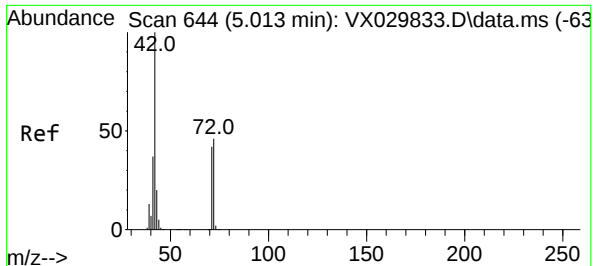
Tgt Ion: 43 Resp: 651

Ion Ratio Lower Upper

43 100

72 29.5 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.335 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.000 min

Lab File: VX029862.D

Acq: 29 Jun 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

TB-20220624

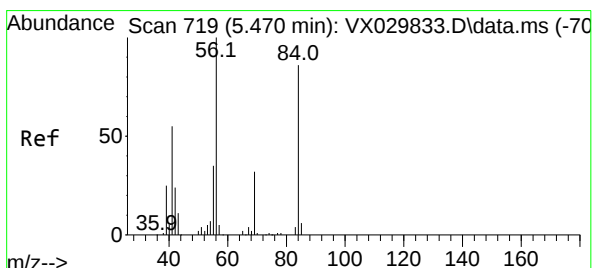
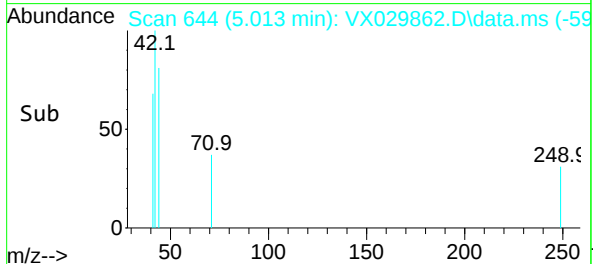
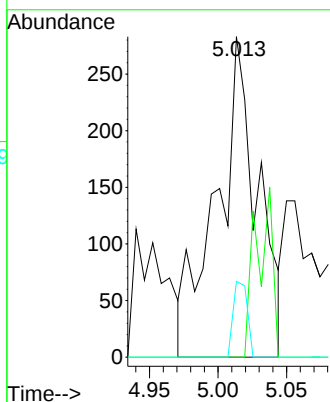
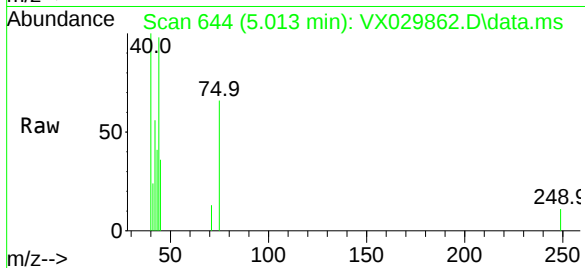
Tgt Ion: 42 Resp: 589

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 8.1 33.9 50.9#



#31

Cyclohexane

Concen: 1.186 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX029862.D

Acq: 29 Jun 2022 15:20

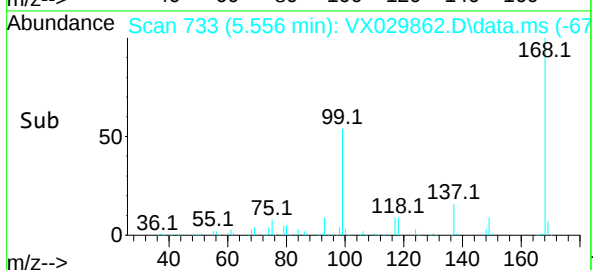
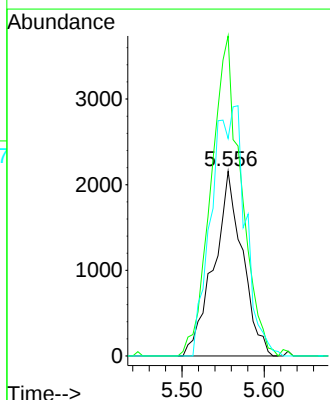
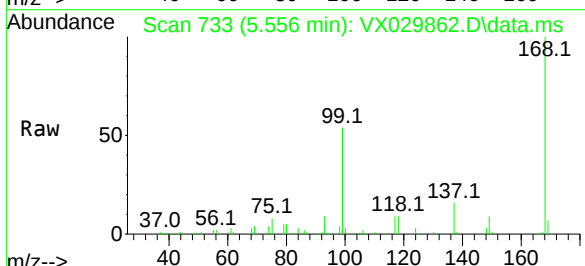
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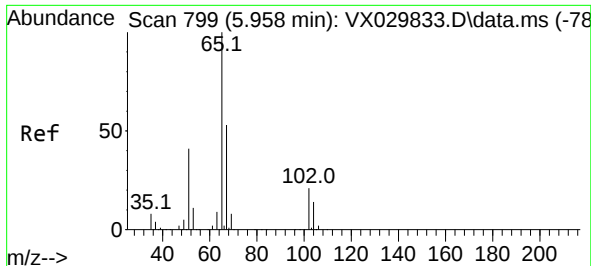
Ion Ratio Lower Upper

56 100

69 173.2 25.4 38.0#

84 117.8 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.249 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029862.D

Acq: 29 Jun 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

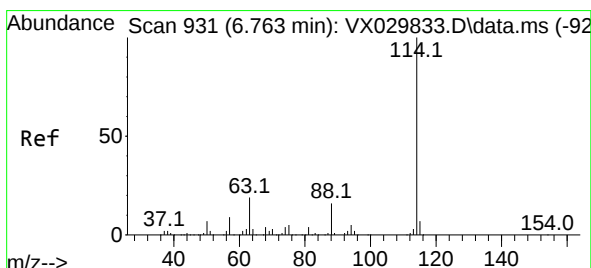
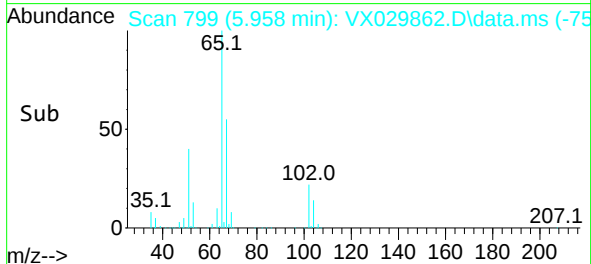
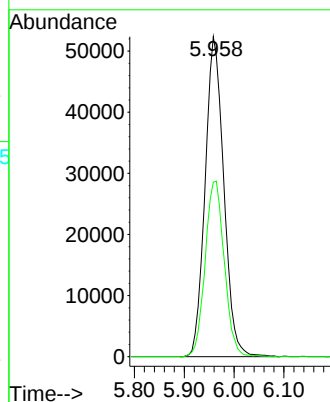
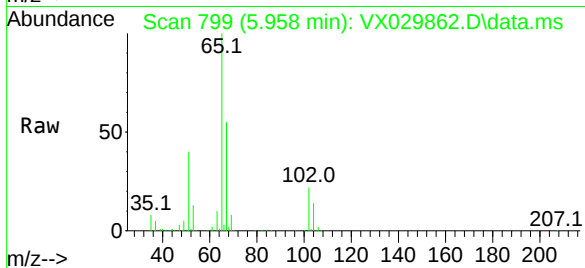
TB-20220624

Tgt Ion: 65 Resp: 136272

Ion Ratio Lower Upper

65 100

67 56.2 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: VX029862.D

Acq: 29 Jun 2022 15:20

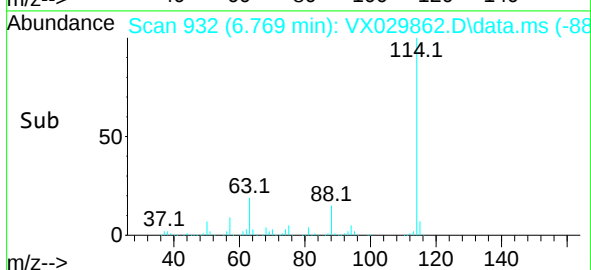
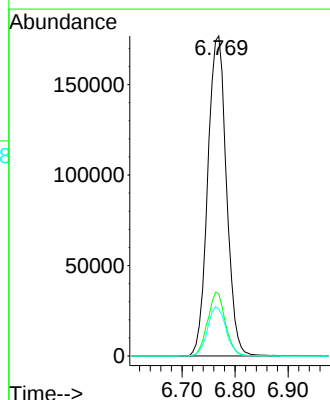
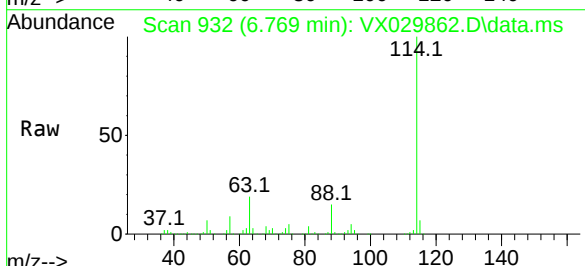
Tgt Ion: 114 Resp: 432175

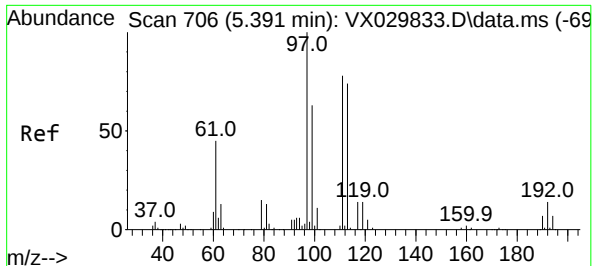
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 45.486 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029862.D

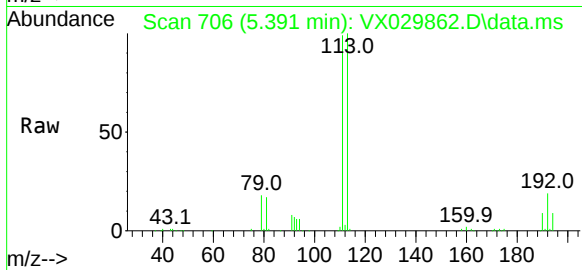
Acq: 29 Jun 2022 15:20

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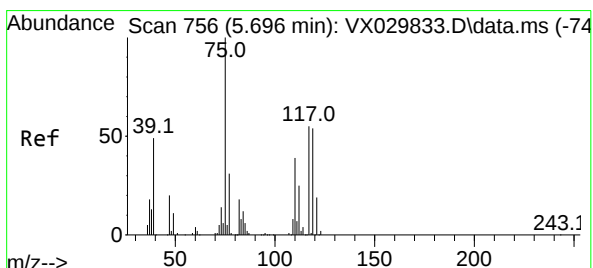
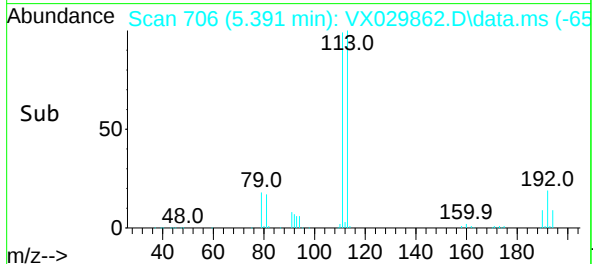
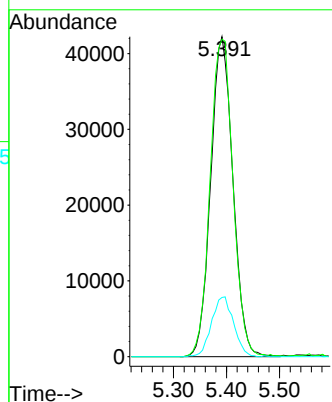
Tgt Ion:113 Resp: 122851

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

192 18.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.427 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029862.D

Acq: 29 Jun 2022 15:20

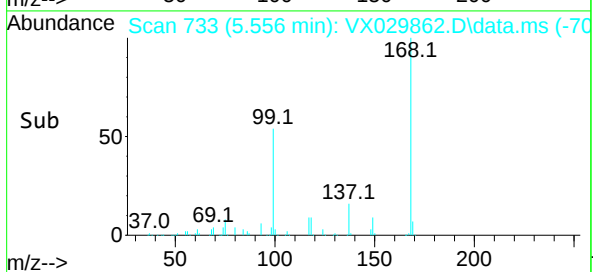
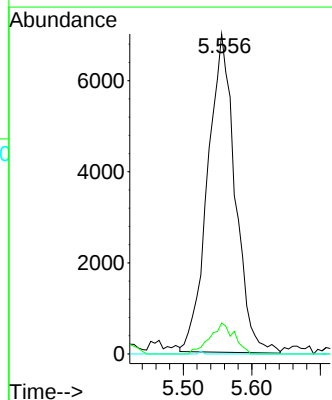
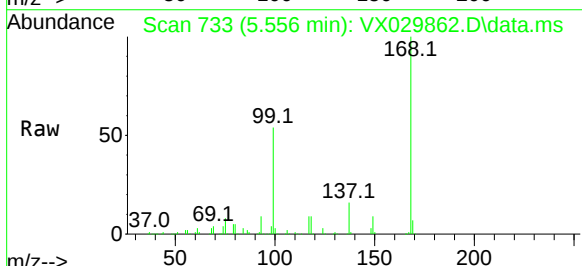
Tgt Ion: 75 Resp: 19495

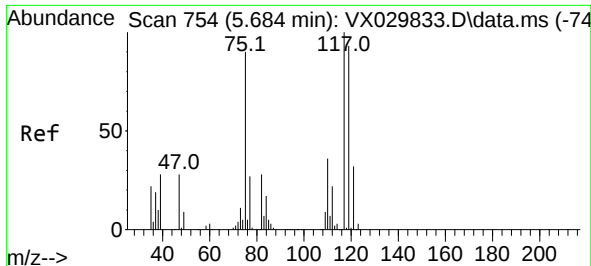
Ion Ratio Lower Upper

75 100

110 8.6 19.3 57.9#

77 0.0 24.4 36.6#

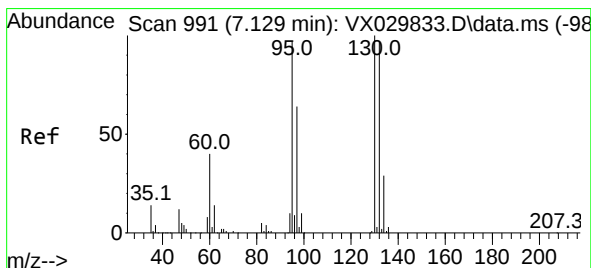
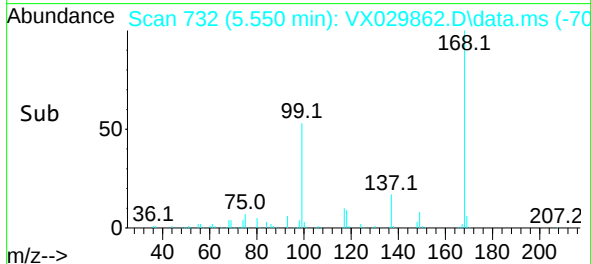
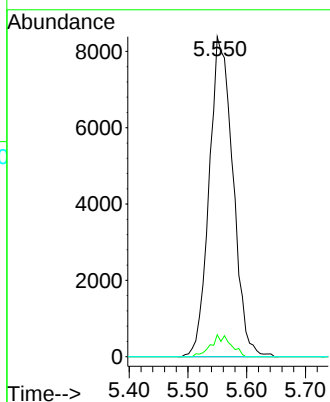
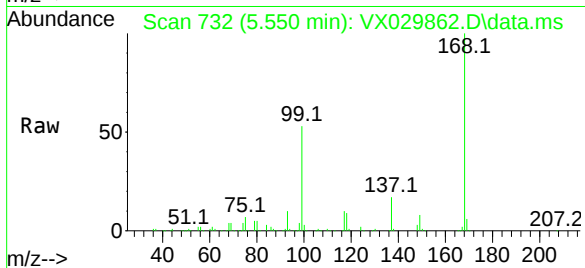




#38
Carbon Tetrachloride
Concen: 7.560 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

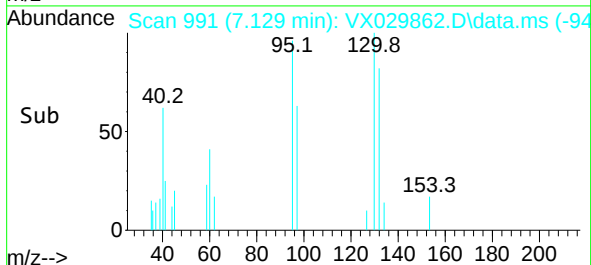
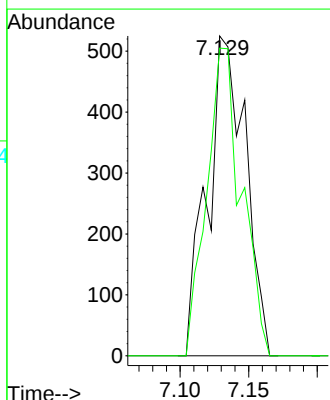
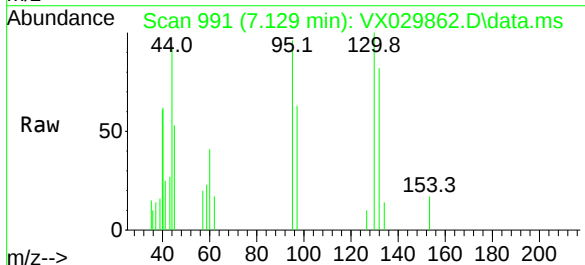
Instrument :
MSVOA_X
ClientSampleId :
TB-20220624

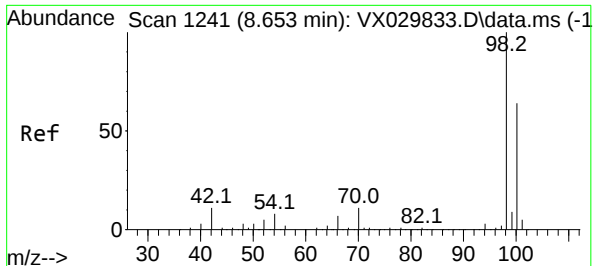
Tgt Ion:117 Resp: 23531
Ion Ratio Lower Upper
117 100
119 6.8 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.324 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

Tgt Ion:130 Resp: 1015
Ion Ratio Lower Upper
130 100
95 96.2 0.0 194.8





#50

Toluene-d8

Concen: 48.255 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029862.D

Acq: 29 Jun 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

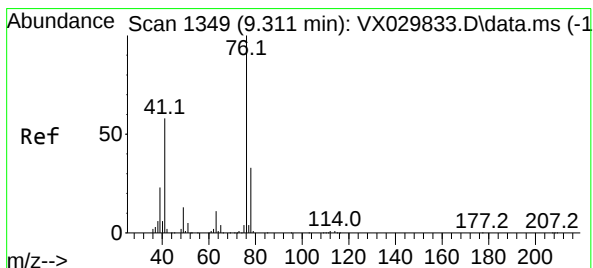
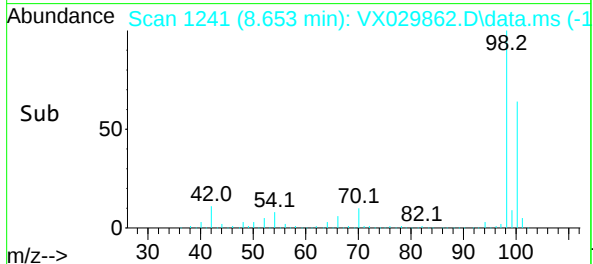
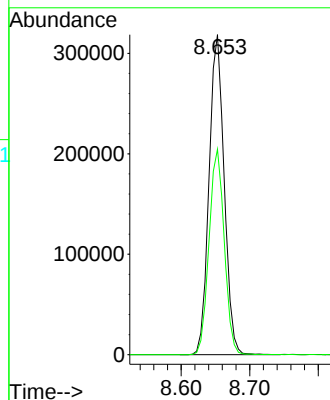
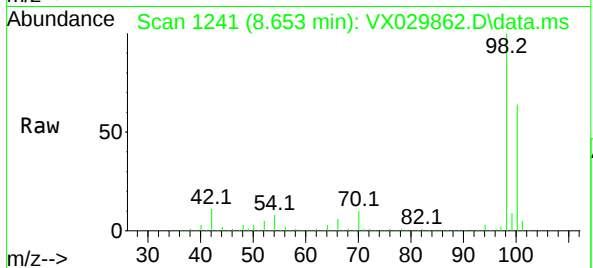
TB-20220624

Tgt Ion: 98 Resp: 488928

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



#57

1,3-Dichloropropane

Concen: 1.148 ug/l

RT: 9.580 min Scan# 1393

Delta R.T. 0.268 min

Lab File: VX029862.D

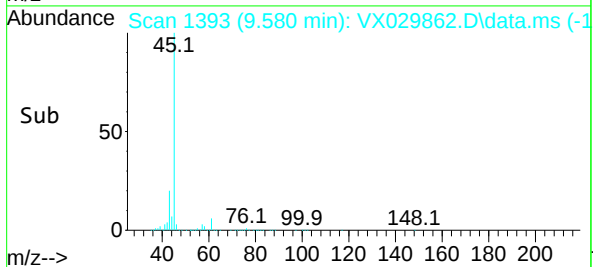
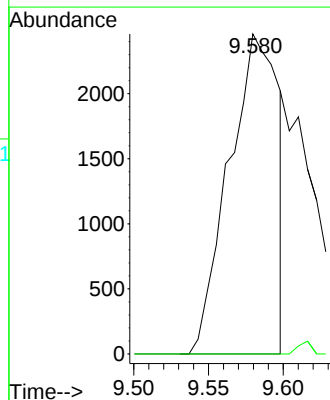
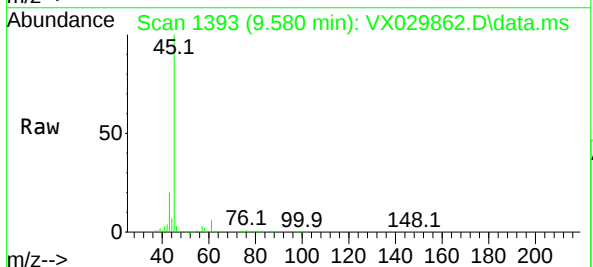
Acq: 29 Jun 2022 15:20

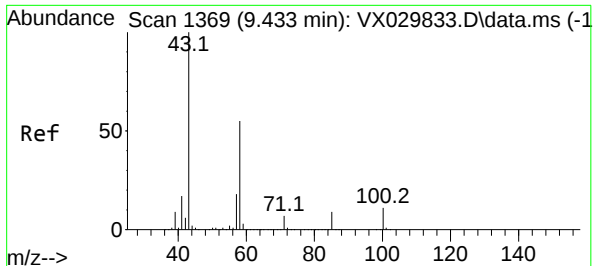
Tgt Ion: 76 Resp: 5639

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 108.477 ug/l

RT: 9.580 min Scan# 11

Delta R.T. 0.146 min

Lab File: VX029862.D

Acq: 29 Jun 2022 15:20

Instrument :

MSVOA_X

ClientSampleId :

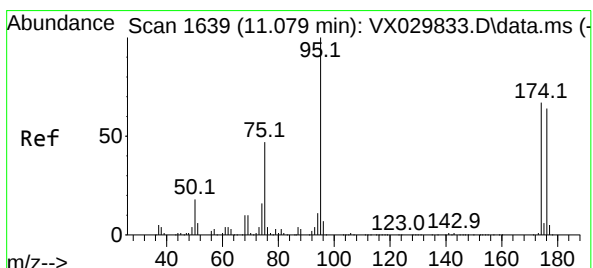
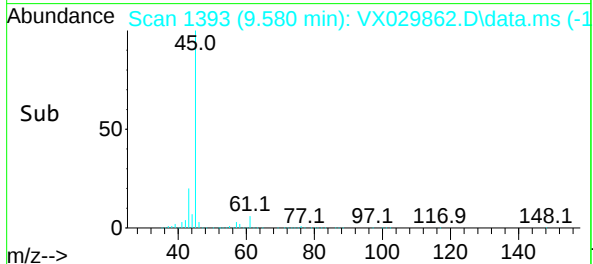
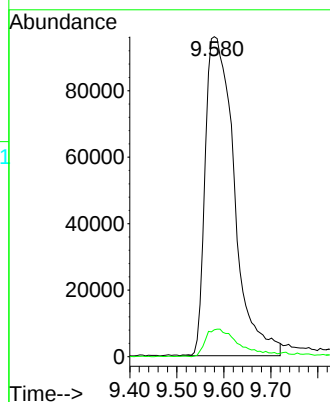
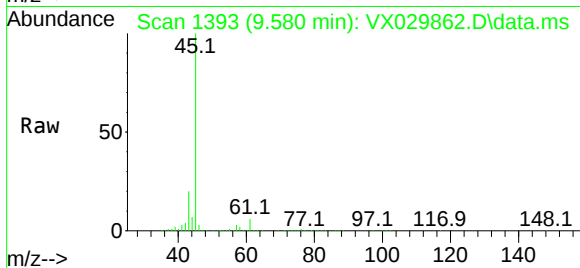
TB-20220624

Tgt Ion: 43 Resp: 410682

Ion Ratio Lower Upper

43 100

58 10.1 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 46.639 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX029862.D

Acq: 29 Jun 2022 15:20

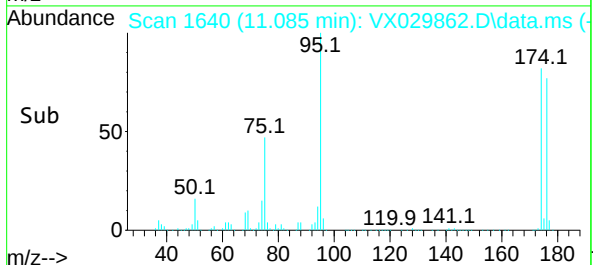
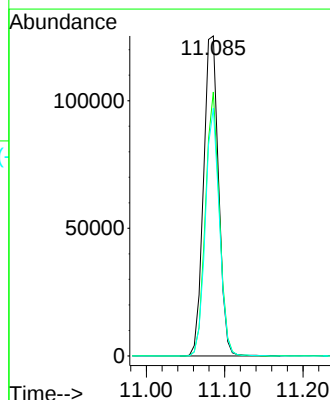
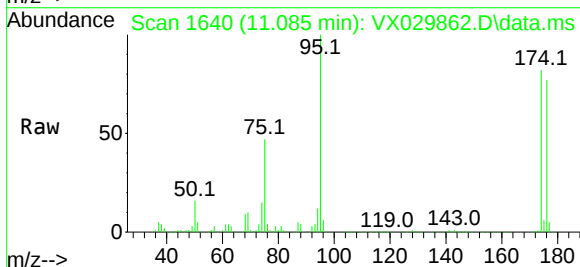
Tgt Ion: 95 Resp: 167041

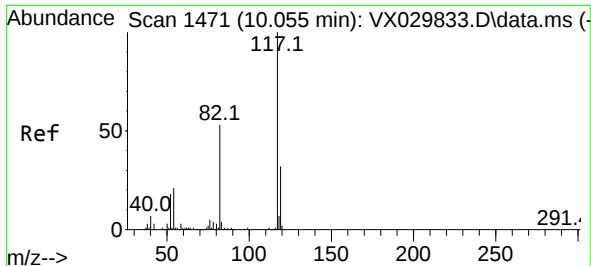
Ion Ratio Lower Upper

95 100

174 76.5 0.0 149.0

176 72.4 0.0 146.0

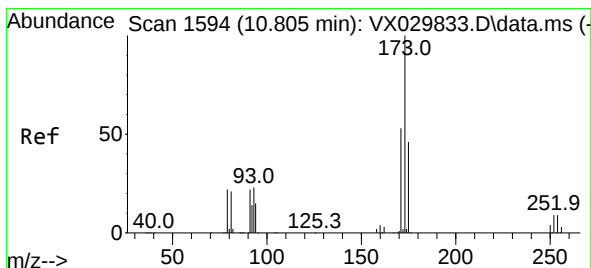
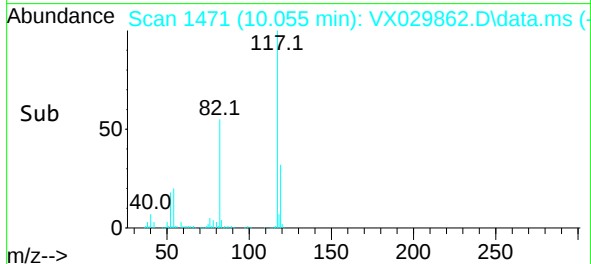
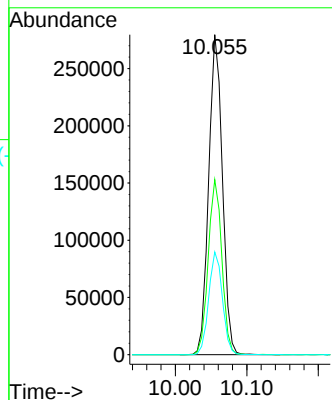
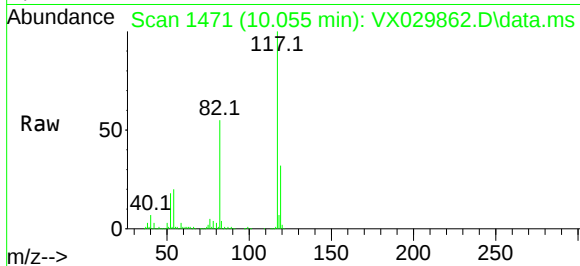




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

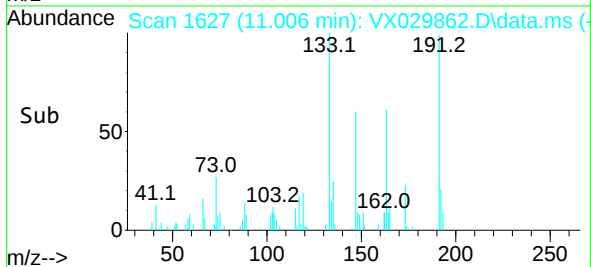
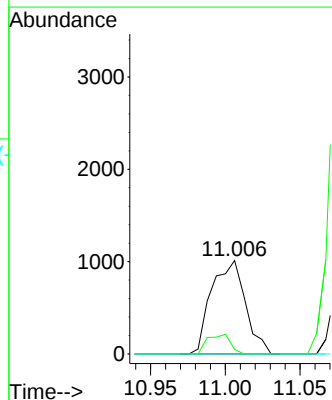
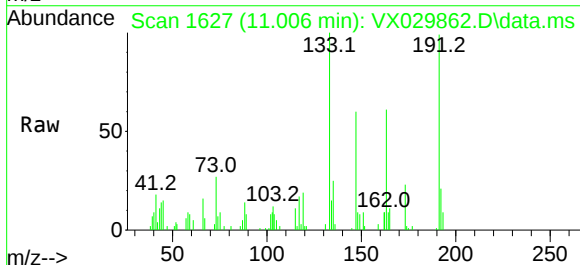
Instrument :
MSVOA_X
ClientSampleId :
TB-20220624

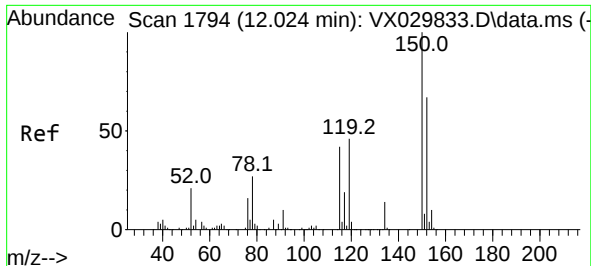
Tgt Ion:117 Resp: 372010
Ion Ratio Lower Upper
117 100
82 54.7 42.7 64.1
119 32.1 25.4 38.2



#71
Bromoform
Concen: 0.897 ug/l
RT: 11.006 min Scan# 1627
Delta R.T. 0.201 min
Lab File: VX029862.D
Acq: 29 Jun 2022 15:20

Tgt Ion:173 Resp: 1596
Ion Ratio Lower Upper
173 100
175 14.3 23.8 71.2#
254 0.0 0.1 0.1#

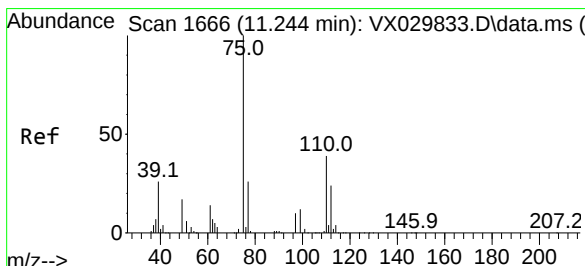
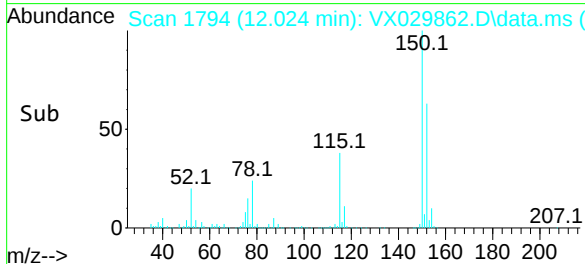
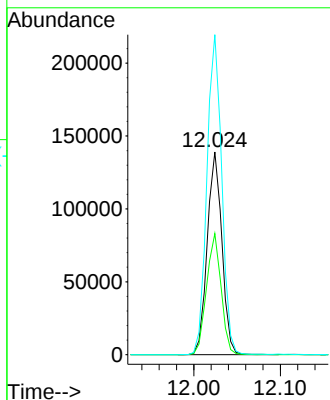
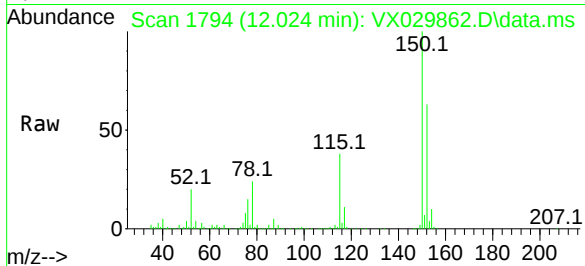




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX029862.D
 Acq: 29 Jun 2022 15:20

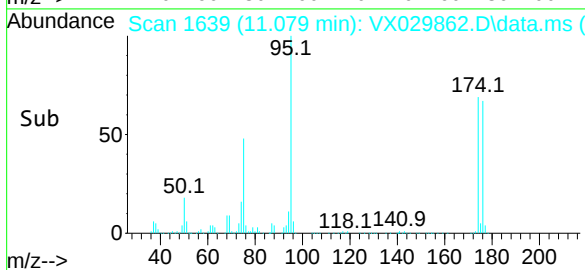
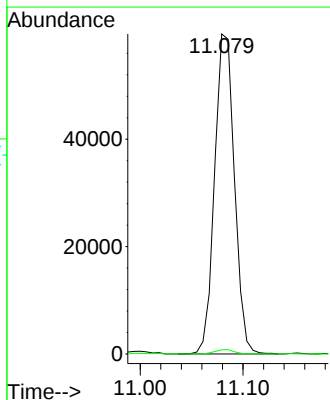
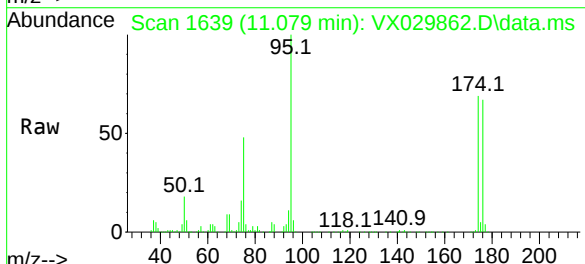
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20220624

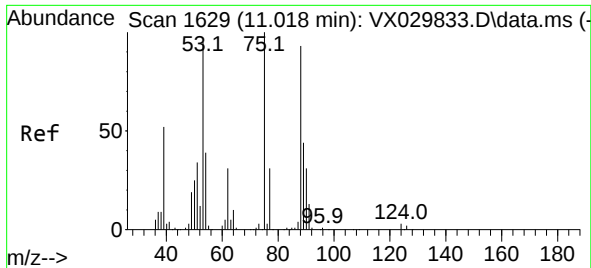
Tgt Ion:152 Resp: 163848
 Ion Ratio Lower Upper
 152 100
 115 59.2 40.5 121.5
 150 159.5 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.328 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX029862.D
 Acq: 29 Jun 2022 15:20

Tgt Ion: 75 Resp: 79732
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.557 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029862.D
 Acq: 29 Jun 2022 15:20

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20220624

Tgt Ion: 75 Resp: 79732
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.2 111.4#
 89 0.1 34.8 52.2#

