

Data File : VX017262.D
Acq On : 08 Jul 2020 17:47
Operator : JC/SP
Sample : L3217-11 100X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
E3-41-NHS

Quant Time: Jul 09 02:33:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	252548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	418300	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	438616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238728	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	168029	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
35) Dibromofluoromethane	5.46	113	145053	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
50) Toluene-d8	8.70	98	513422	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.12	95	213324	55.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.54%	

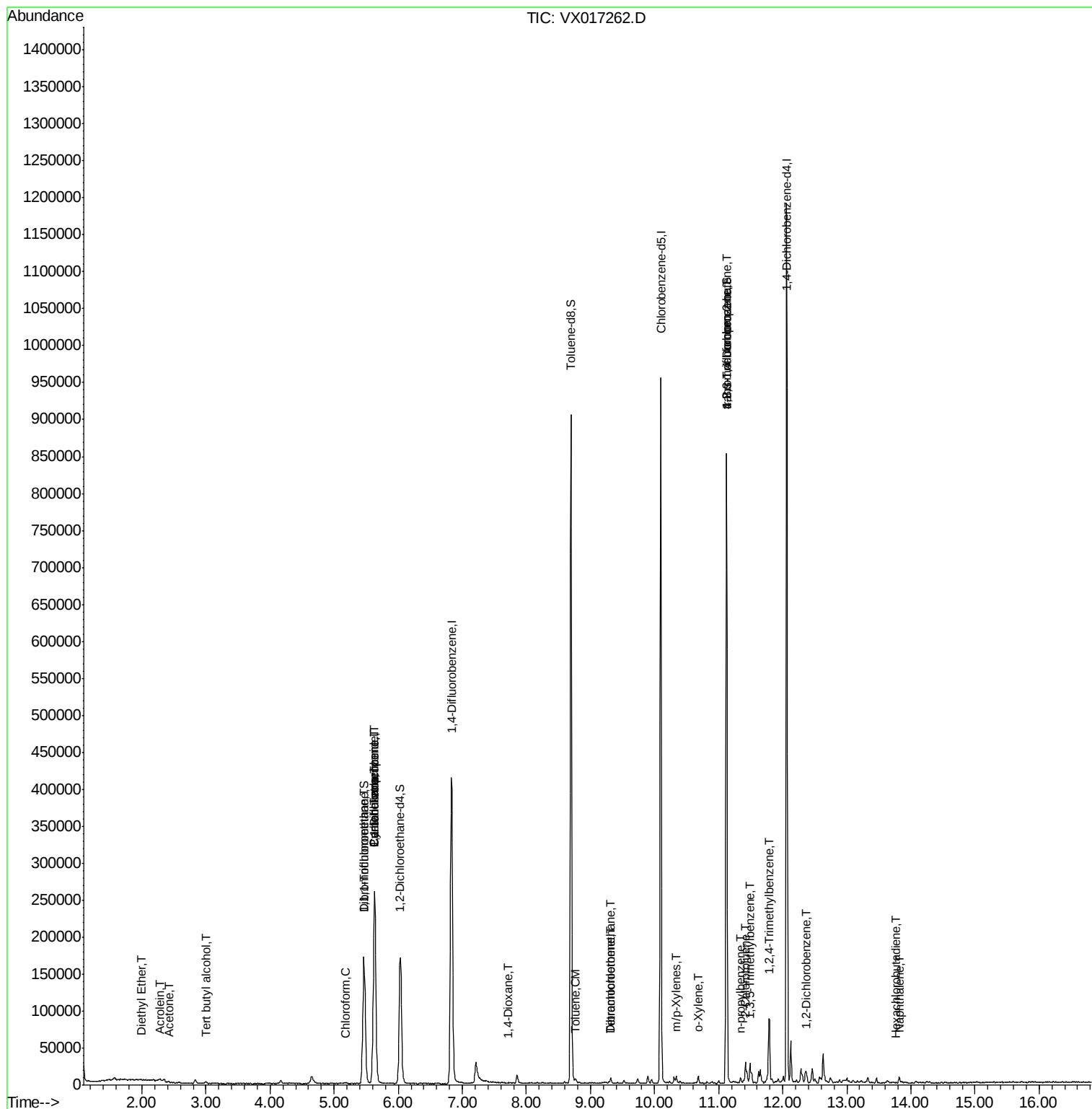
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.98	74	94	0.434	ug/l	72
11) Tert butyl alcohol	3.00	59	1389	2.339	ug/l #	76
13) Acrolein	2.28	56	230	0.648	ug/l	93
16) Acetone	2.42	43	1643	1.411	ug/l #	78
20) Methylene Chloride	2.84	84	1983	Below Cal		89
30) Chloroform	5.18	83	2023	0.406	ug/l	91
31) Cyclohexane	5.64	56	4973	1.183	ug/l #	1
32) 1,1,1-Trichloroethane	5.46	97	1915	0.417	ug/l #	46
36) 1,1-Dichloropropene	5.63	75	19777	5.002	ug/l #	50
38) Carbon Tetrachloride	5.62	117	25047	5.752	ug/l #	17
44) Trichloroethene	7.19	130	706	Below Cal		94
49) 1,4-Dioxane	7.71	88	19	0.265	ug/l #	1
52) Toluene	8.76	92	1723	0.238	ug/l	77
60) Dibromochloromethane	9.32	129	1142	0.332	ug/l #	10
64) Tetrachloroethene	9.32	164	1196	0.338	ug/l #	84
68) m/p-Xylenes	10.34	106	1556	0.268	ug/l	83
69) o-Xylene	10.68	106	1719	0.311	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	105360	22.444	ug/l #	37
78) n-propylbenzene	11.34	91	3617	0.205	ug/l	99
79) 2-Chlorotoluene	11.42	91	2659	0.248	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.49	105	9380	0.723	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.12	75	105360	58.121	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.79	105	33724	2.563	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	618	Below Cal	#	1
91) 1,2-Dichlorobenzene	12.38	146	1800	0.247	ug/l	95
94) Hexachlorobutadiene	13.77	225	52	0.871	ug/l #	41
95) Naphthalene	13.82	128	4421	0.292	ug/l #	94

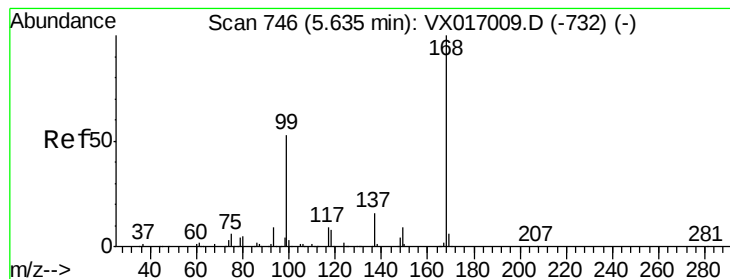
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 09 02:33:49 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Instrument :

MSVOA_X

ClientSampled :

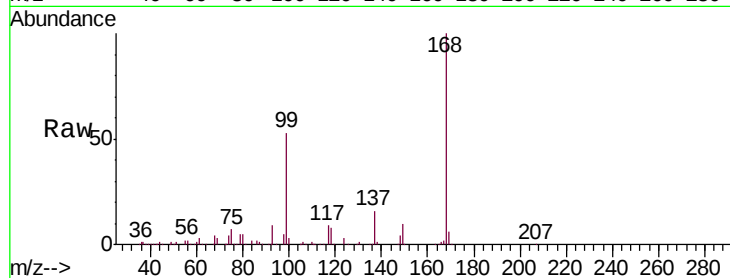
E3-41-NHS

Tgt Ion:168 Resp: 252548

Ion Ratio Lower Upper

168 100

99 52.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

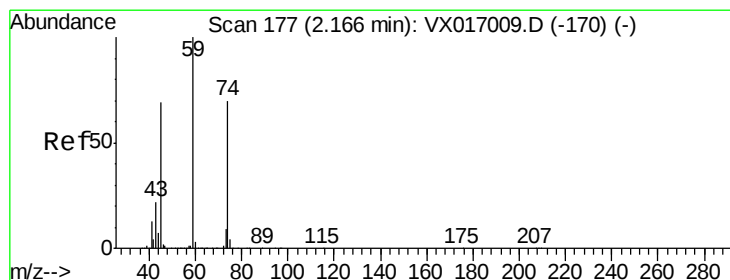
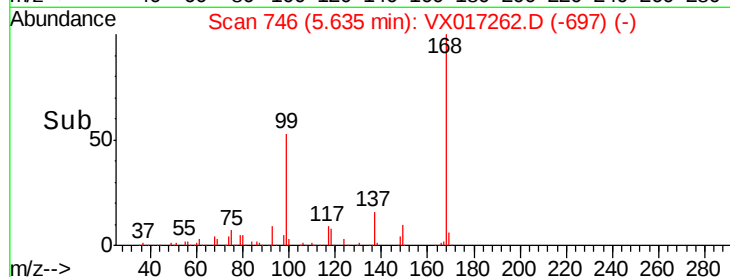
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 0.434 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.18 min

Lab File: VX017262.D

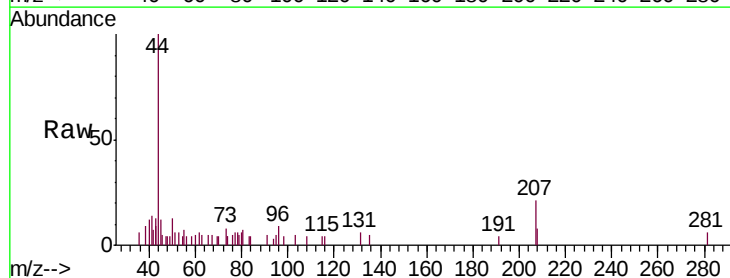
Acq: 08 Jul 2020 17:47

Tgt Ion: 74 Resp: 94

Ion Ratio Lower Upper

74 100

45 127.7 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

1.98

400

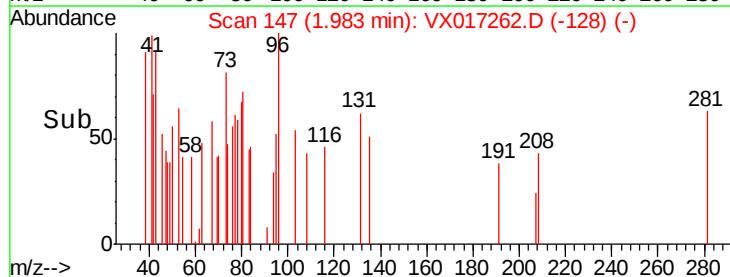
300

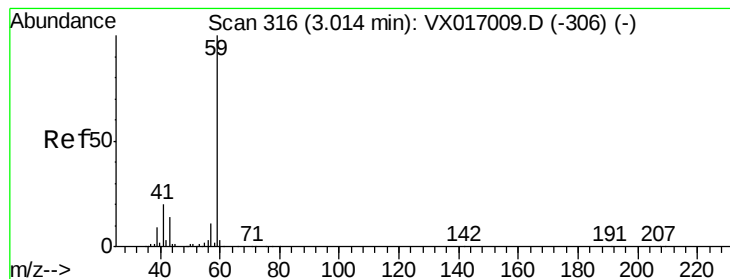
200

100

0

Time-->



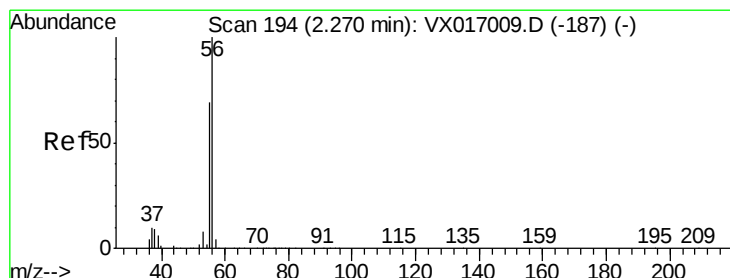
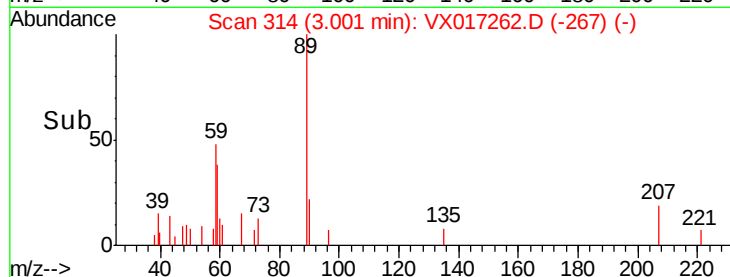
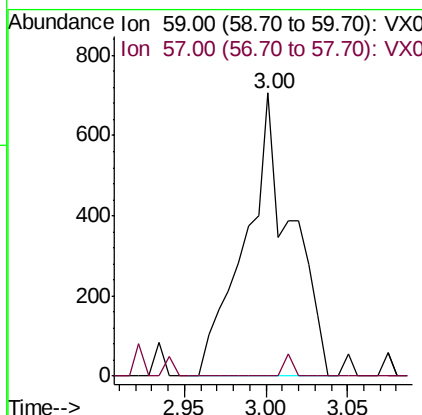
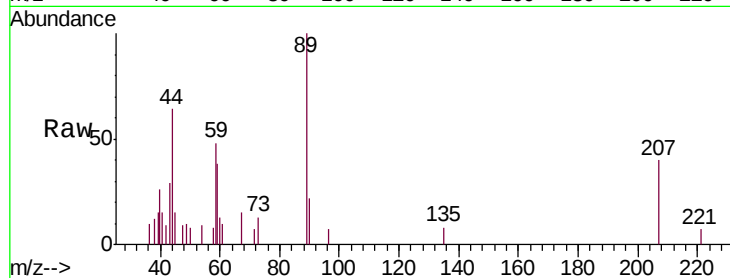


#11

Tert butyl alcohol
Concen: 2.339 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX017262.D
Acq: 08 Jul 2020 17:47

Instrument :
MSVOA_X
ClientSampled :
E3-41-NHS

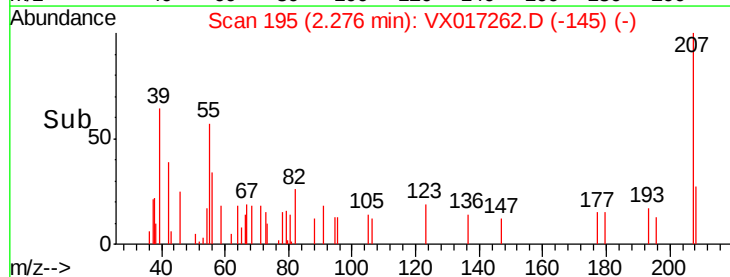
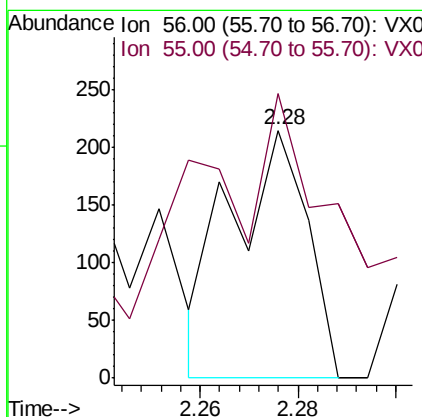
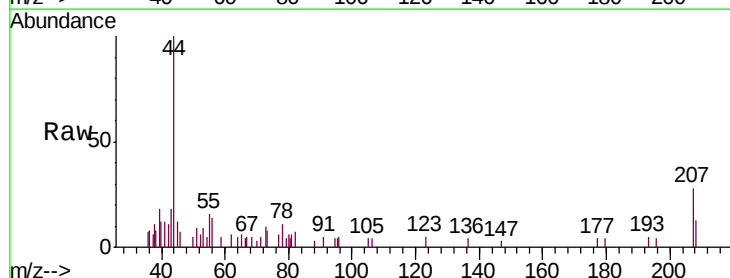
Tgt Ion: 59 Resp: 1389
Ion Ratio Lower Upper
59 100
57 1.4 8.2 12.2#

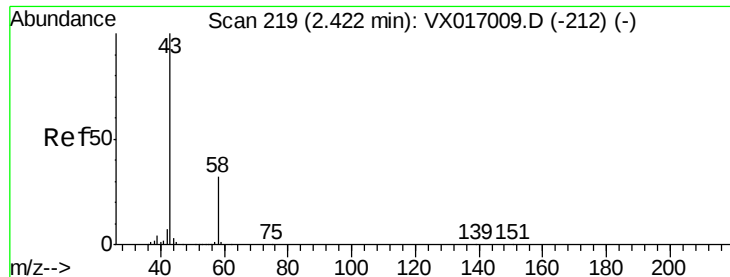


#13

Acrolein
Concen: 0.648 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX017262.D
Acq: 08 Jul 2020 17:47

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 63.9 55.7 83.5





#16

Acetone

Concen: 1.411 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Instrument :

MSVOA_X

ClientSampled :

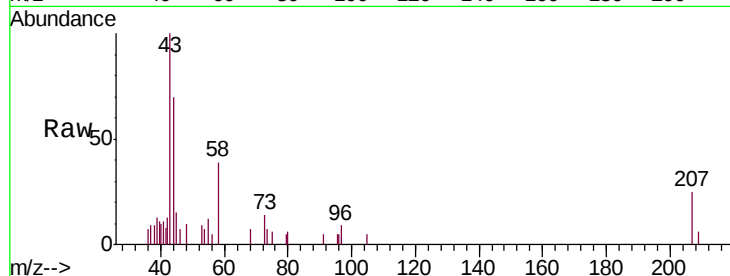
E3-41-NHS

Tgt Ion: 43 Resp: 1643

Ion Ratio Lower Upper

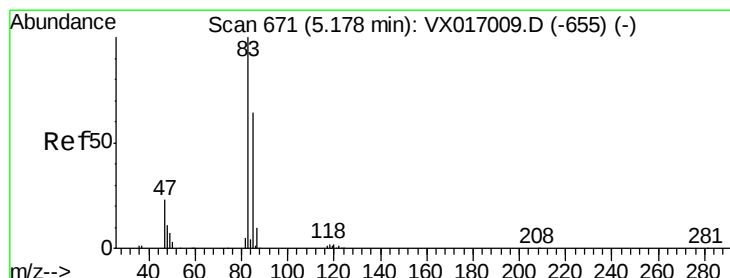
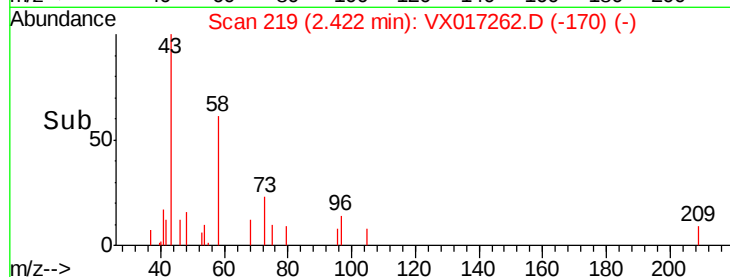
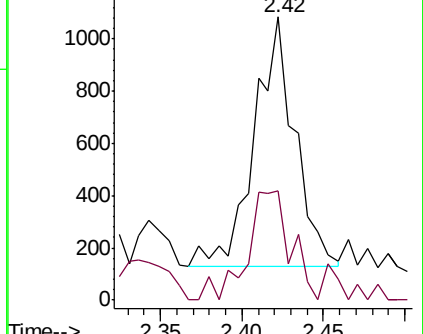
43 100

58 44.2 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#30

Chloroform

Concen: 0.406 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX017262.D

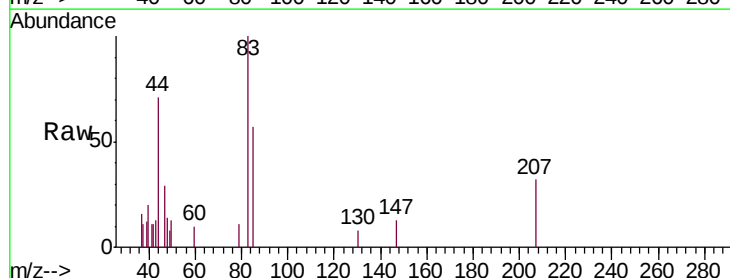
Acq: 08 Jul 2020 17:47

Tgt Ion: 83 Resp: 2023

Ion Ratio Lower Upper

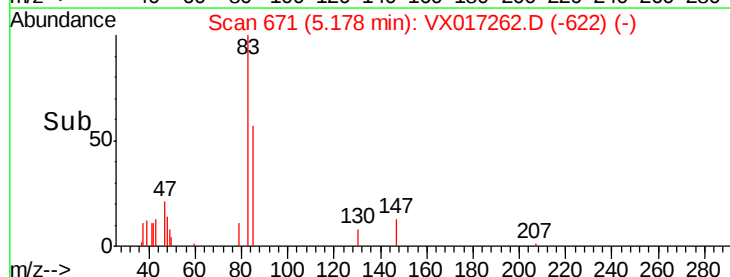
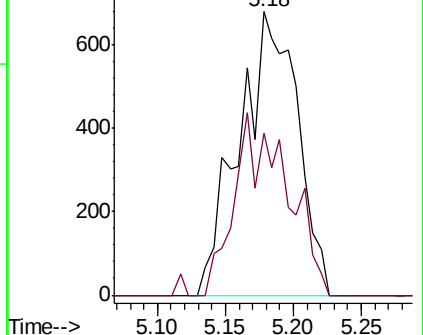
83 100

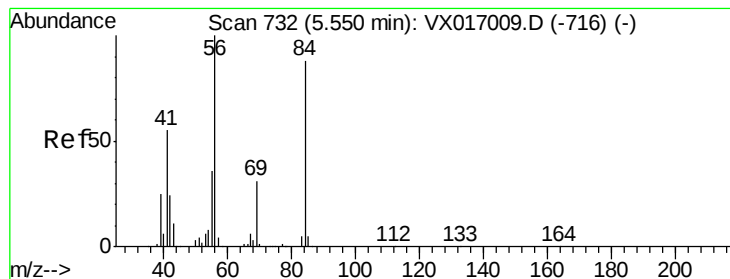
85 57.4 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.183 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

E3-41-NHS

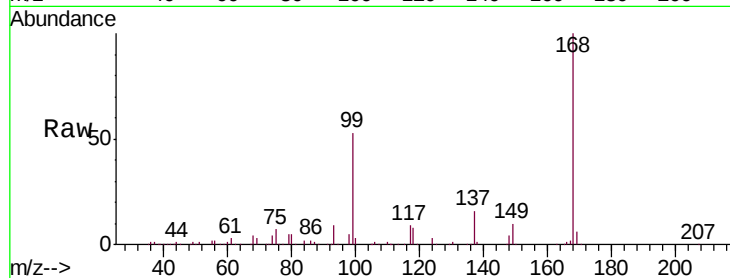
Tgt Ion: 56 Resp: 4973

Ion Ratio Lower Upper

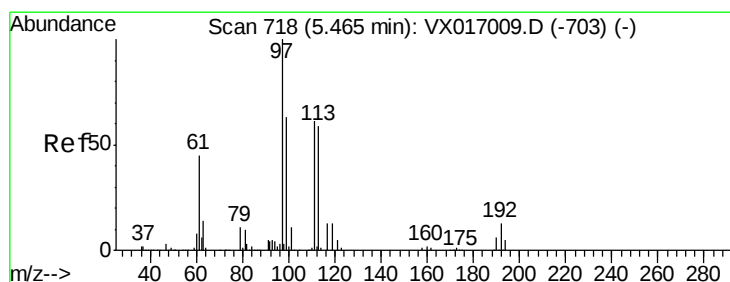
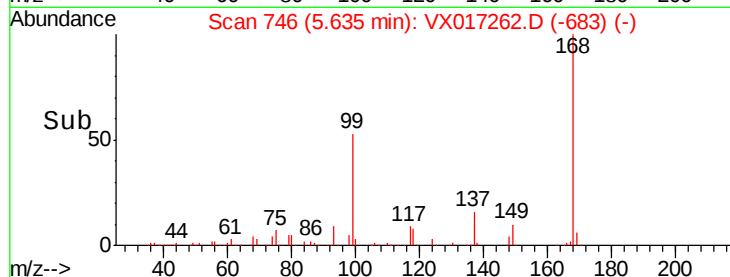
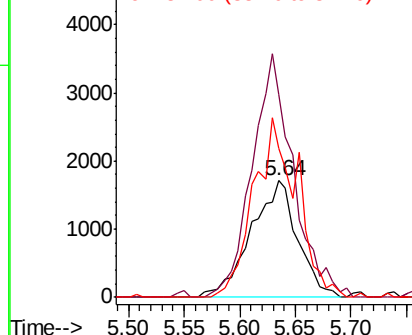
56 100

69 173.7 25.0 37.4#

84 127.1 69.1 103.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 0.417 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

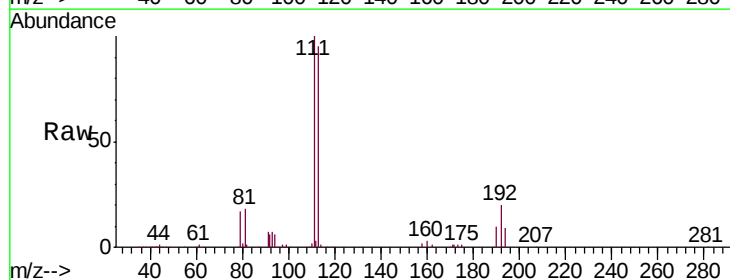
Tgt Ion: 97 Resp: 1915

Ion Ratio Lower Upper

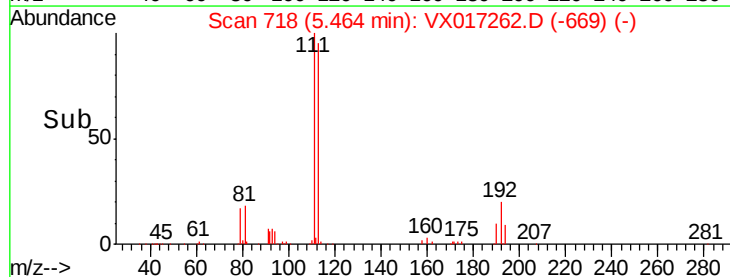
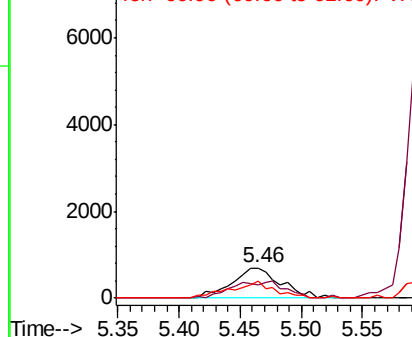
97 100

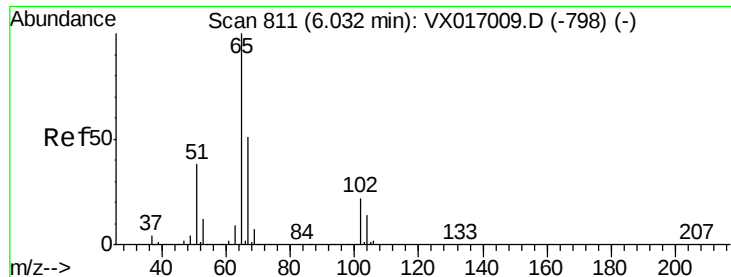
99 0.0 50.8 76.2#

61 50.4 33.7 50.5



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 53.969 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

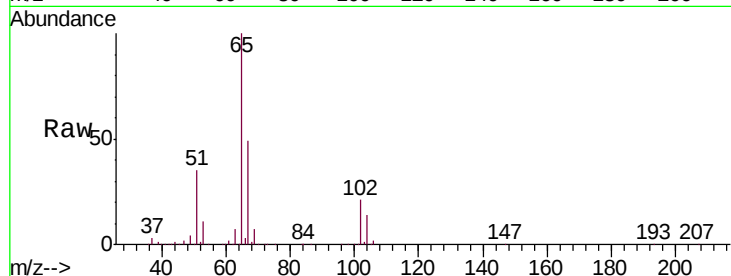
E3-41-NHS

Tgt Ion: 65 Resp: 168029

Ion Ratio Lower Upper

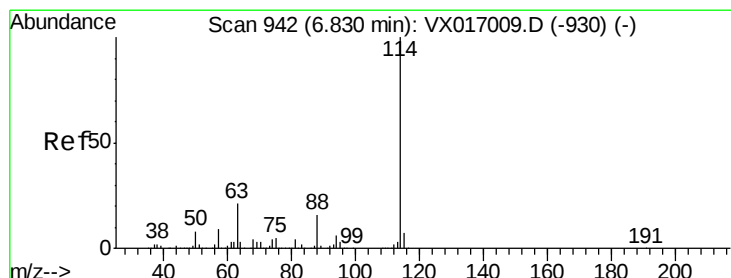
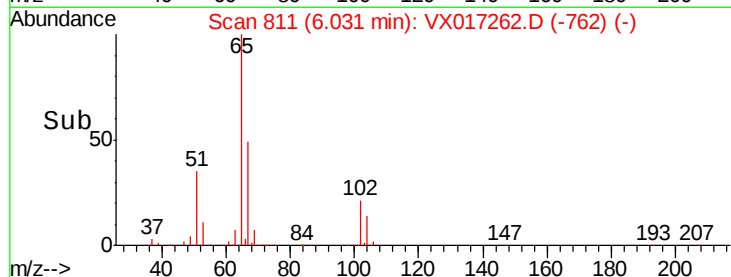
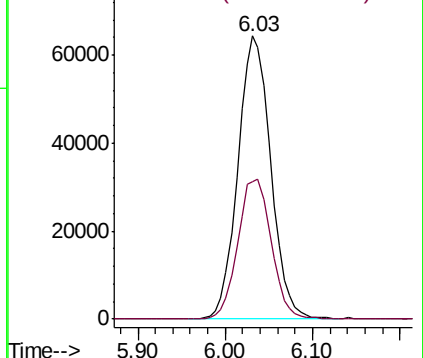
65 100

67 50.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

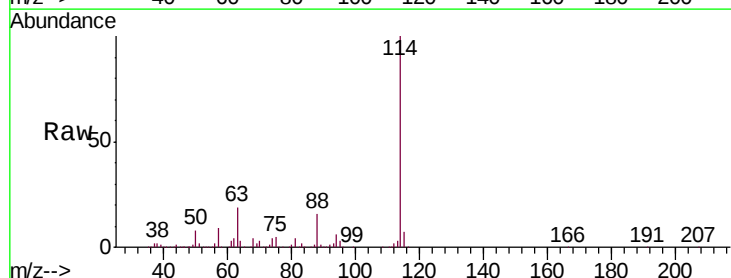
Tgt Ion: 114 Resp: 418300

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

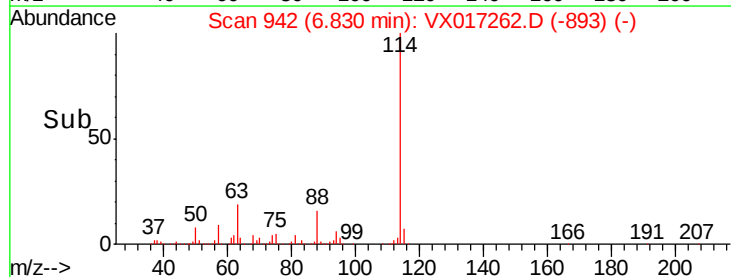
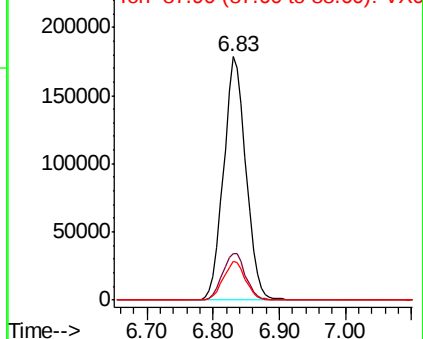
88 15.9 0.0 32.4

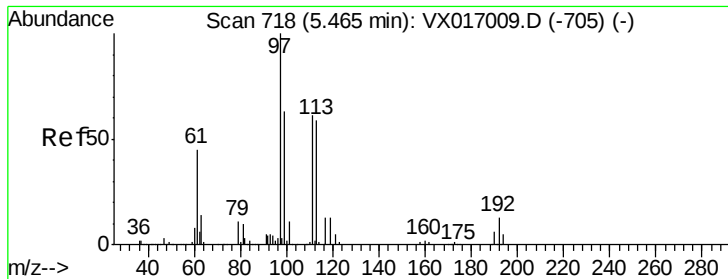


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 54.819 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

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Acq: 08 Jul 2020 17:47

Instrument :

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ClientSampleId :

E3-41-NHS

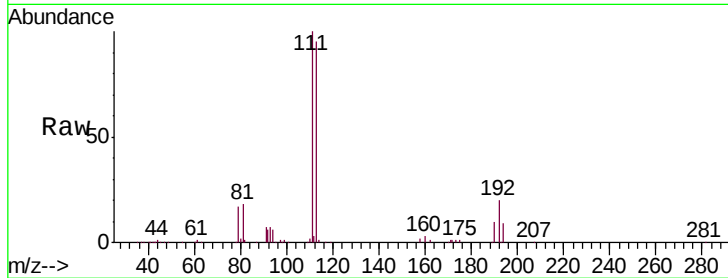
Tgt Ion:113 Resp: 145053

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

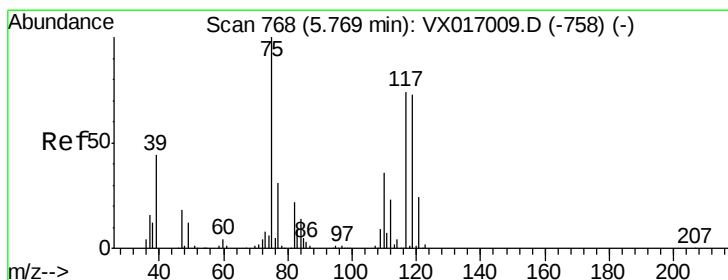
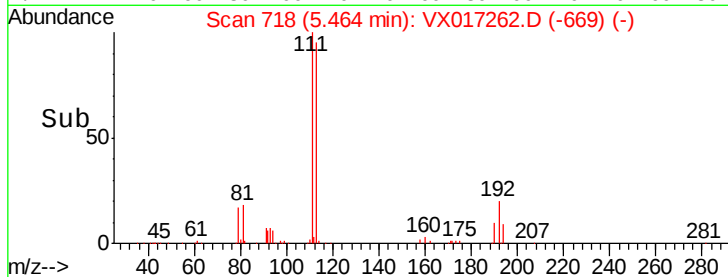
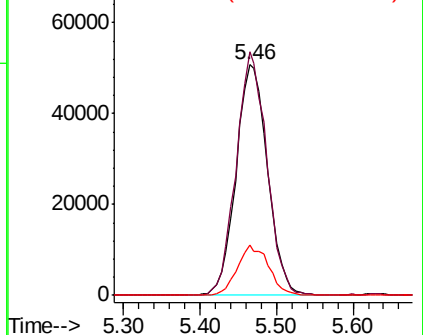
192 21.5 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.002 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

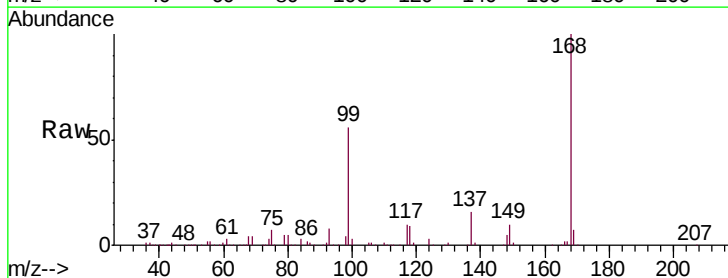
Tgt Ion: 75 Resp: 19777

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

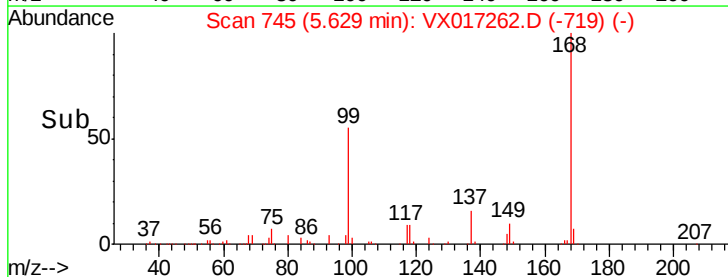
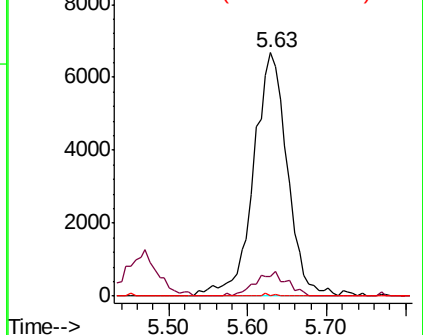
77 0.2 24.6 37.0#

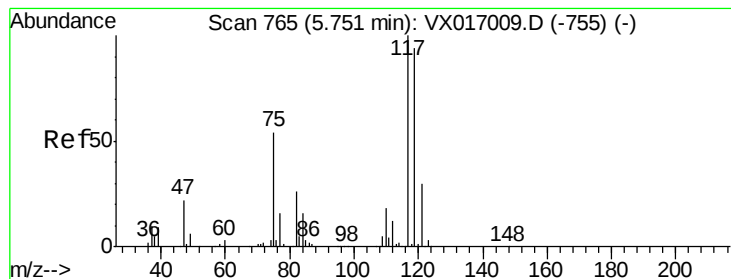


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.752 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Instrument :

MSVOA_X

ClientSampled :

E3-41-NHS

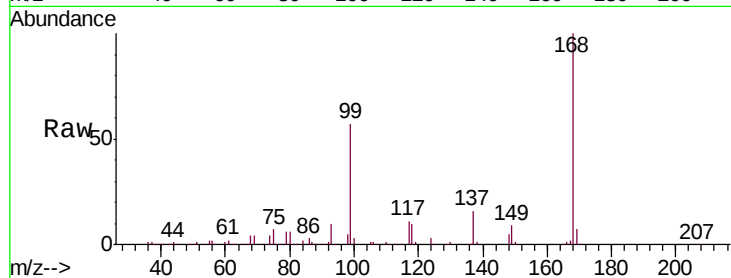
Tgt Ion: 117 Resp: 25047

Ion Ratio Lower Upper

117 100

119 5.6 75.4 113.0#

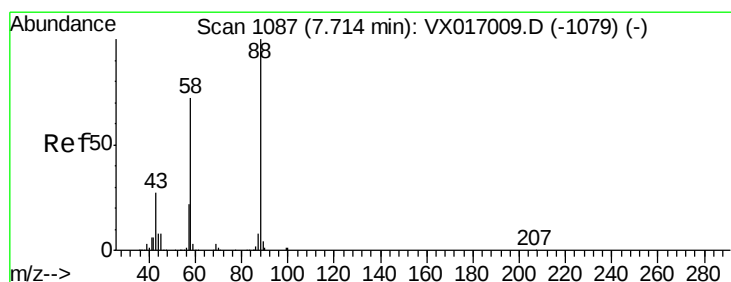
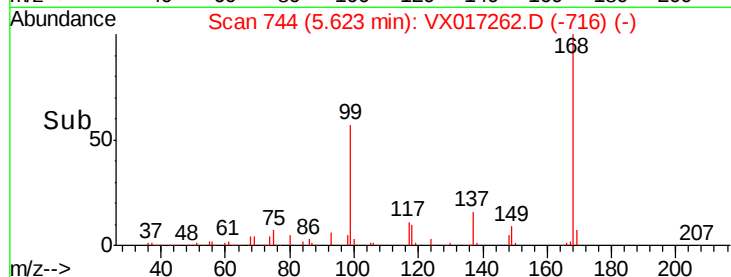
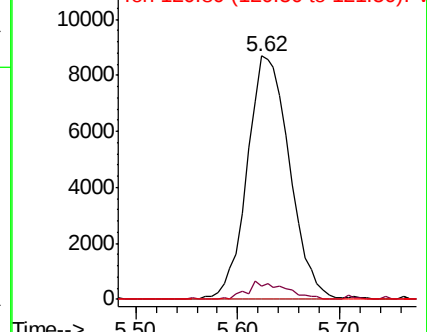
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.265 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

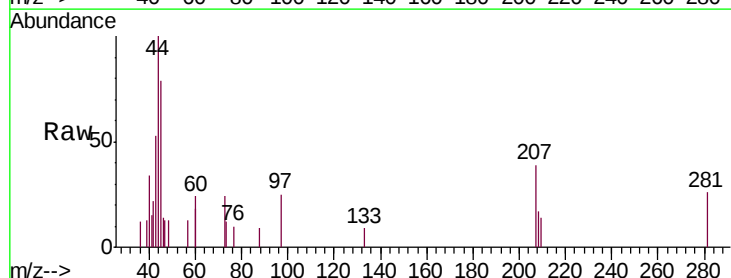
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 2063.2 25.8 38.8#

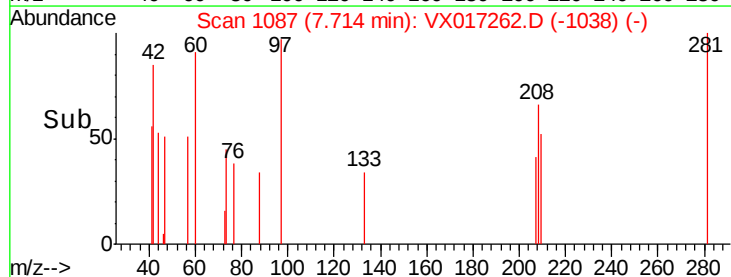
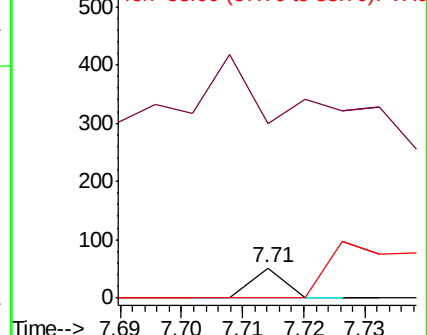
58 768.4 54.8 82.2#

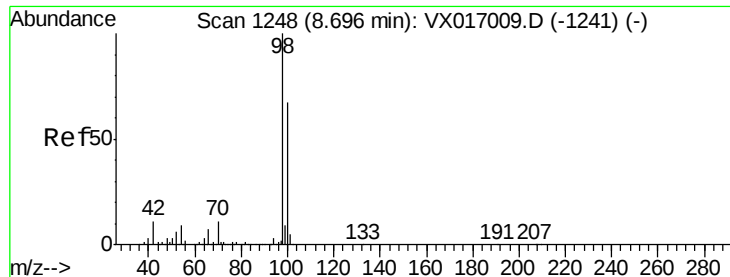


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 52.473 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

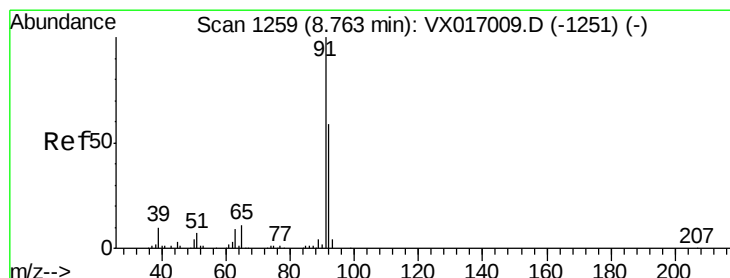
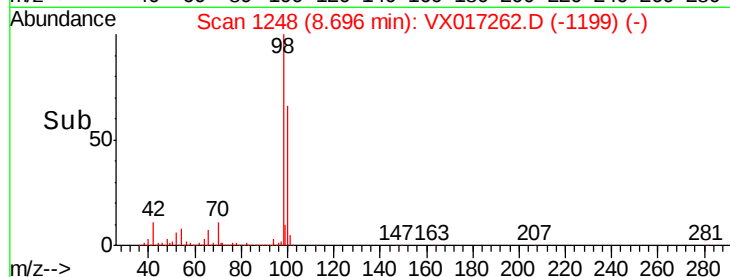
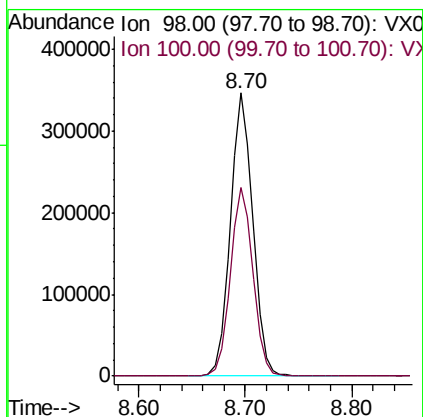
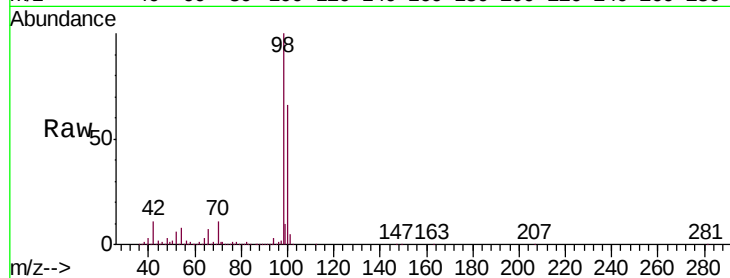
E3-41-NHS

Tgt Ion: 98 Resp: 513422

Ion Ratio Lower Upper

98 100

100 66.9 53.8 80.6



#52

Toluene

Concen: 0.238 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017262.D

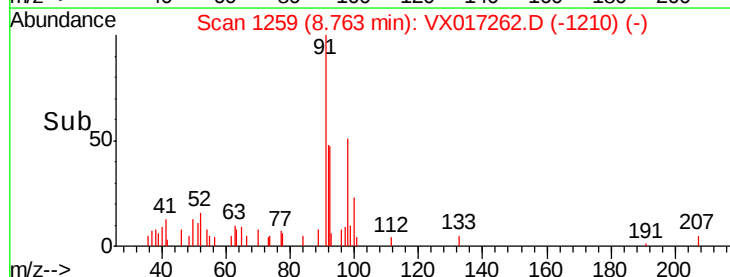
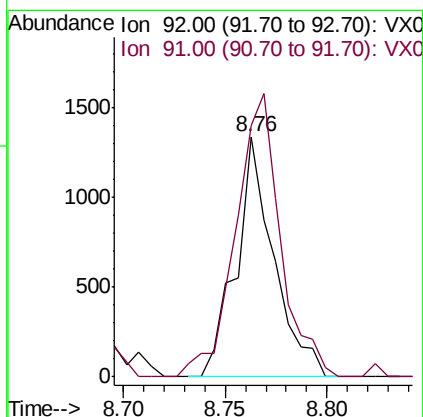
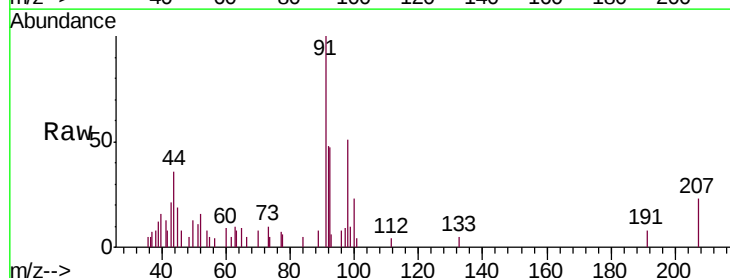
Acq: 08 Jul 2020 17:47

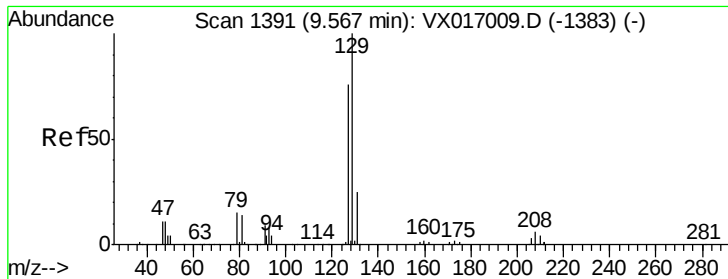
Tgt Ion: 92 Resp: 1723

Ion Ratio Lower Upper

92 100

91 140.0 136.9 205.3

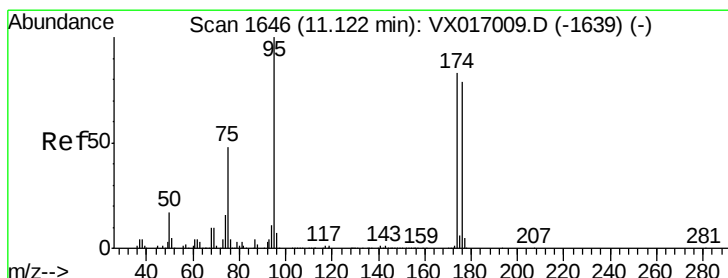
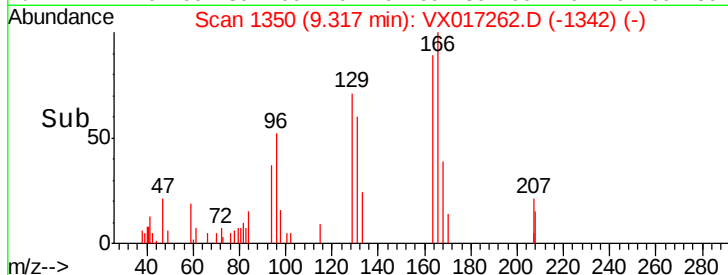
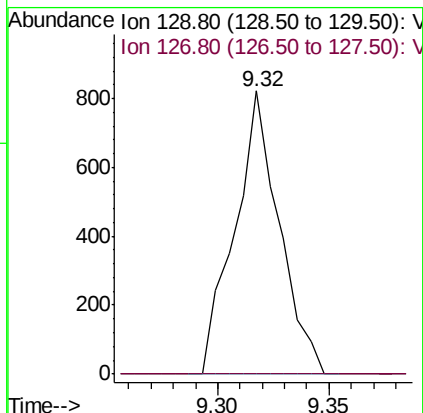
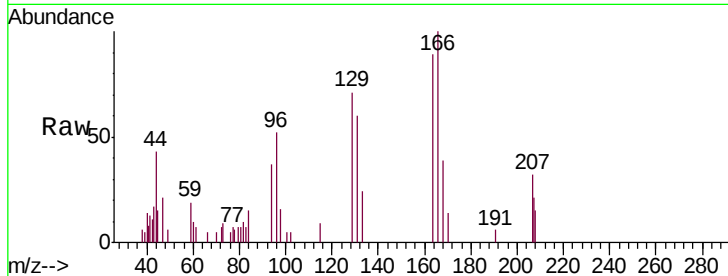




#60
 Dibromochloromethane
 Concen: 0.332 ug/l
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.25 min
 Lab File: VX017262.D
 Acq: 08 Jul 2020 17:47

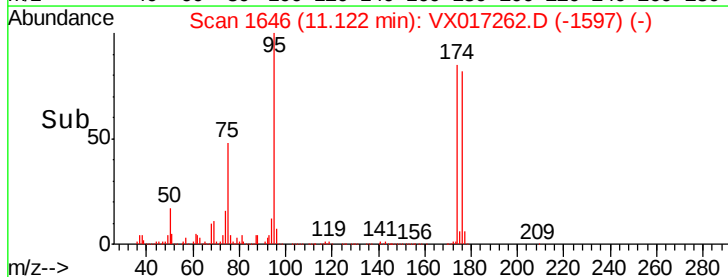
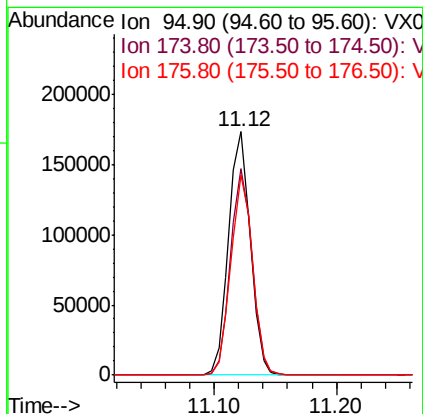
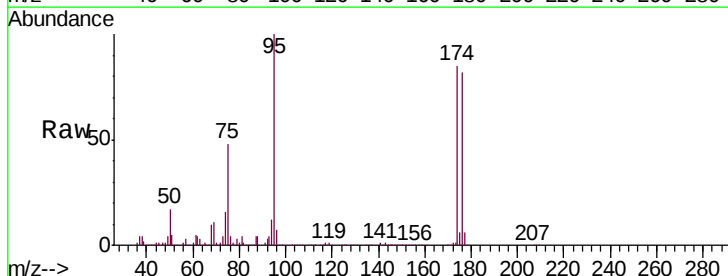
Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-NHS

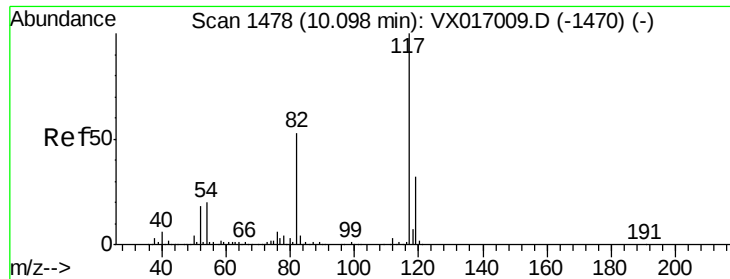
Tgt Ion: 129 Resp: 1142
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 55.773 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX017262.D
 Acq: 08 Jul 2020 17:47

Tgt Ion: 95 Resp: 213324
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 164.0
 176 81.7 0.0 157.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Instrument :

MSVOA_X

ClientSampled :

E3-41-NHS

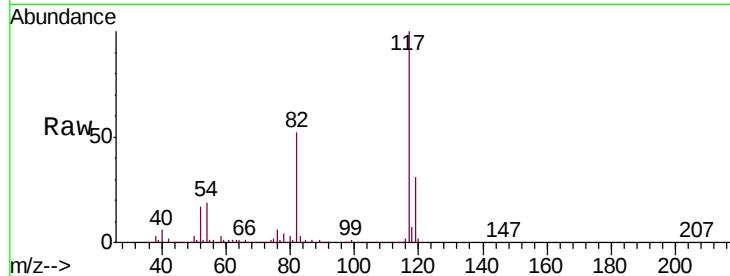
Tgt Ion:117 Resp: 438616

Ion Ratio Lower Upper

117 100

82 52.1 42.6 63.8

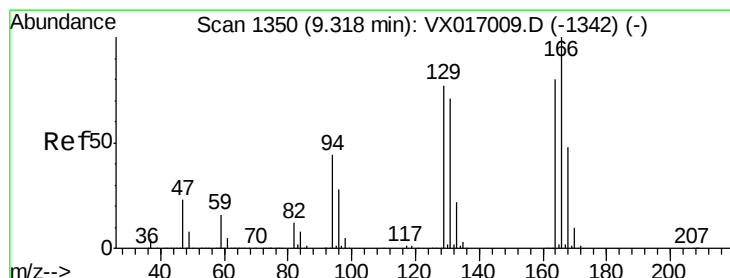
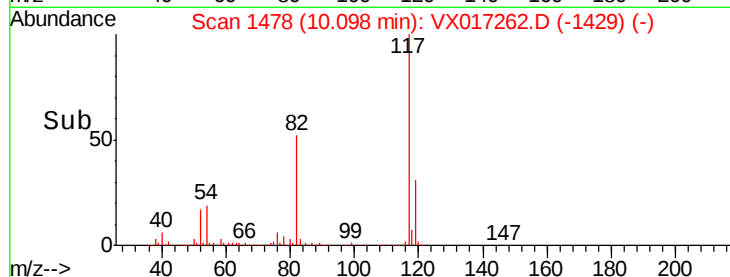
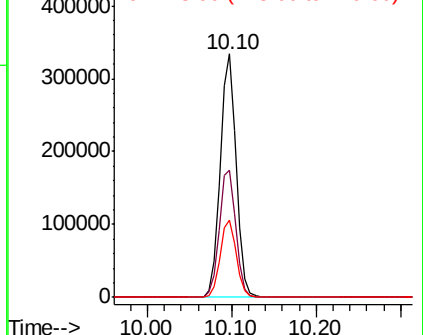
119 31.5 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.338 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Tgt Ion:164 Resp: 1196

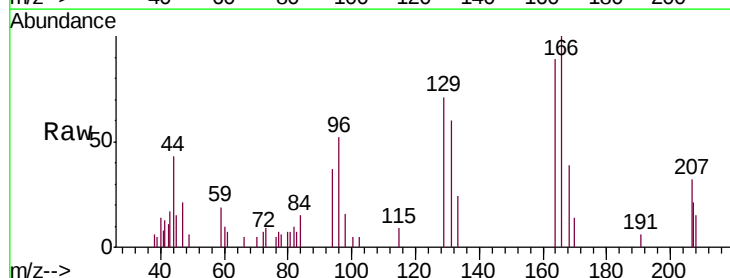
Ion Ratio Lower Upper

164 100

166 111.9 99.4 149.0

129 79.3 76.3 114.5

131 67.2 70.6 105.8#

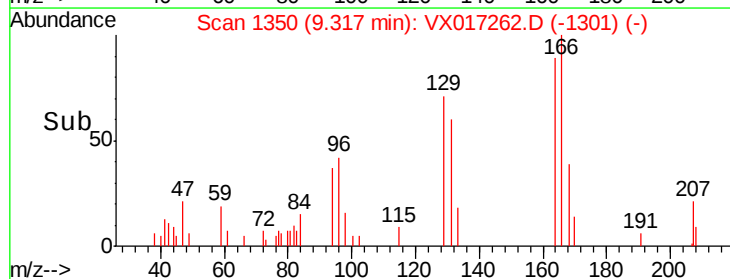
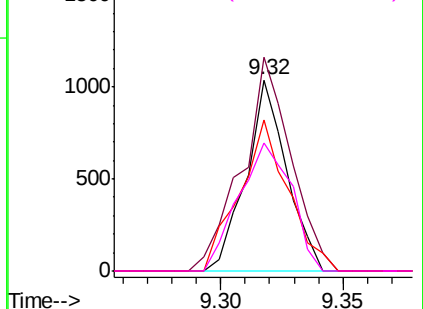


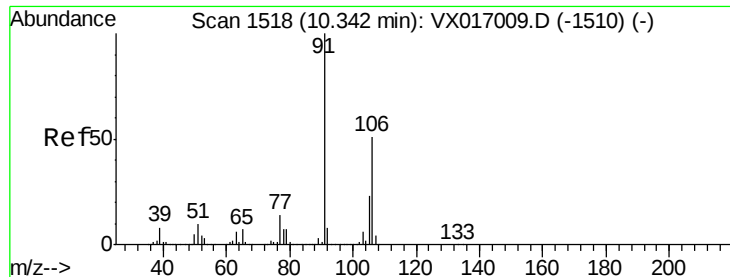
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

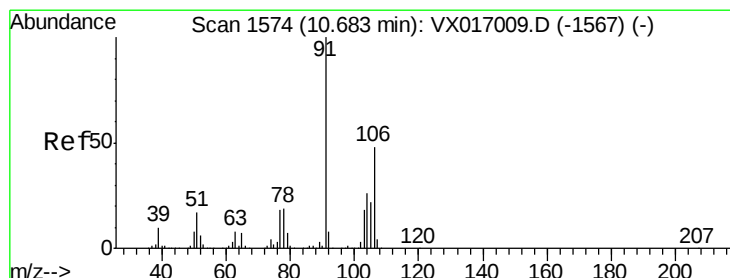
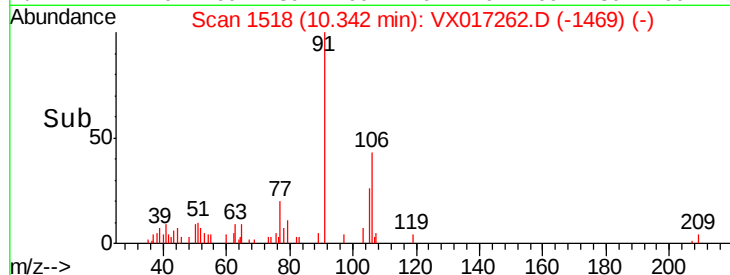
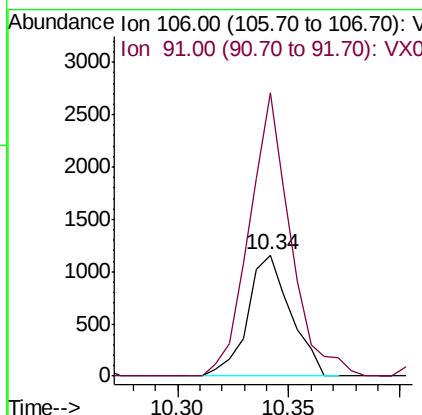
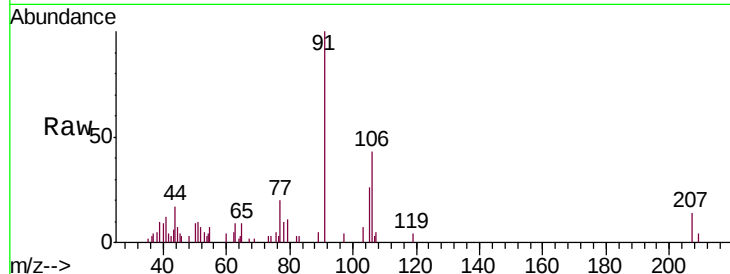




#68
m/p-Xylenes
Concen: 0.268 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017262.D
Acq: 08 Jul 2020 17:47

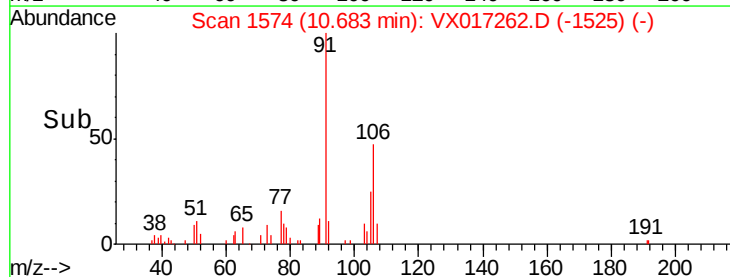
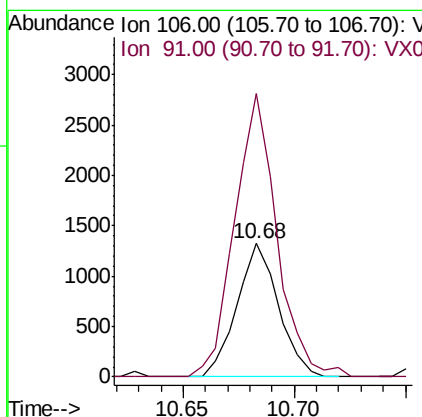
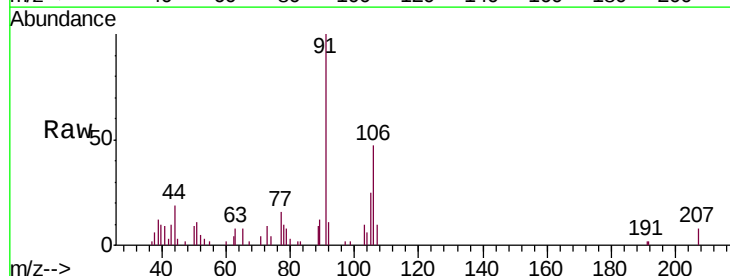
Instrument :
MSVOA_X
ClientSampled :
E3-41-NHS

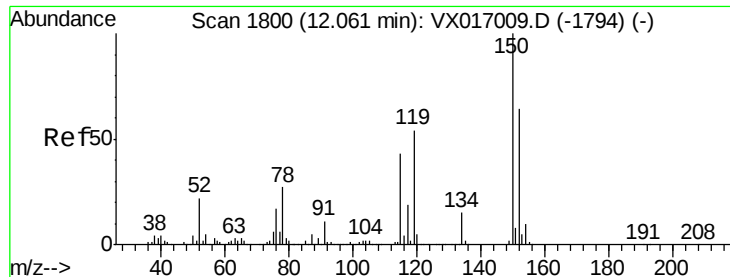
Tgt Ion:106 Resp: 1556
Ion Ratio Lower Upper
106 100
91 224.6 158.6 238.0



#69
o-Xylene
Concen: 0.311 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017262.D
Acq: 08 Jul 2020 17:47

Tgt Ion:106 Resp: 1719
Ion Ratio Lower Upper
106 100
91 215.8 105.6 316.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Instrument :

MSVOA_X

ClientSampleId :

E3-41-NHS

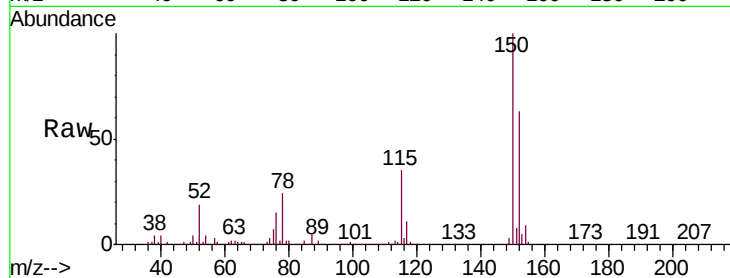
Tgt Ion:152 Resp: 238728

Ion Ratio Lower Upper

152 100

115 56.9 40.9 122.7

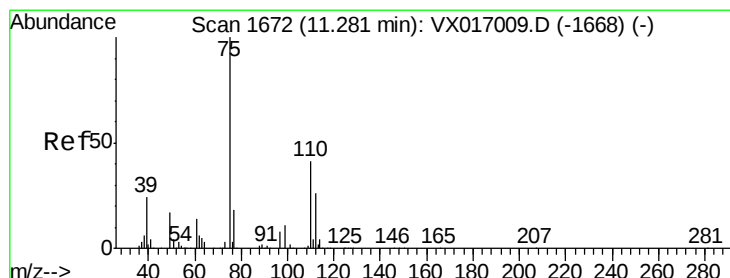
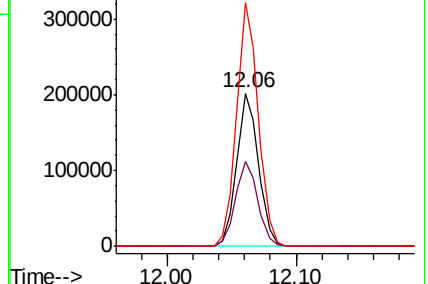
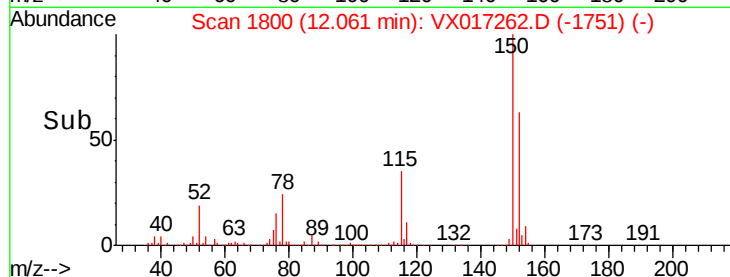
150 158.3 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.444 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017262.D

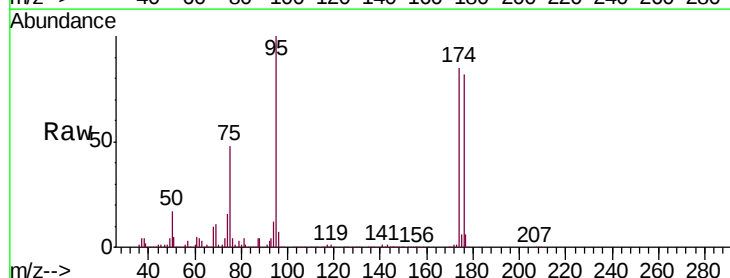
Acq: 08 Jul 2020 17:47

Tgt Ion: 75 Resp: 105360

Ion Ratio Lower Upper

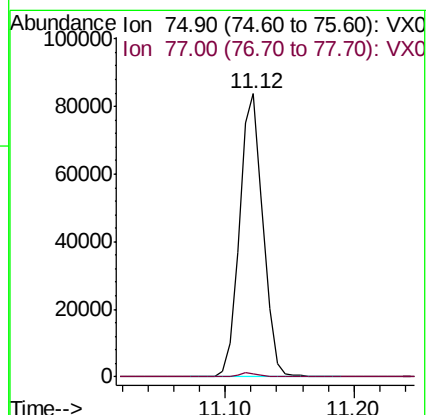
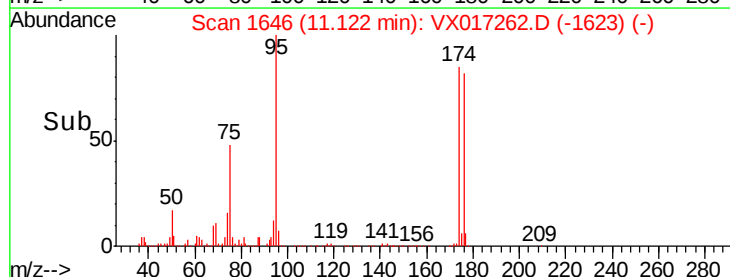
75 100

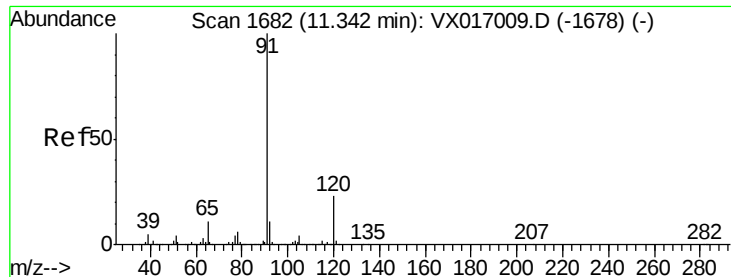
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

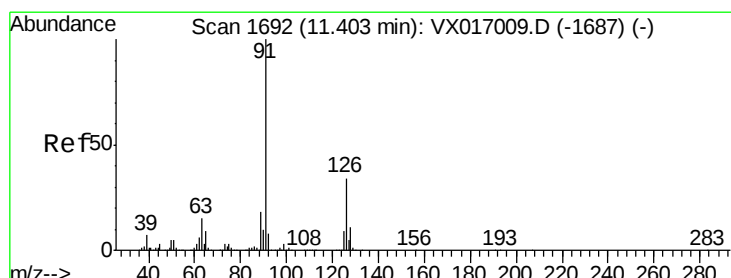
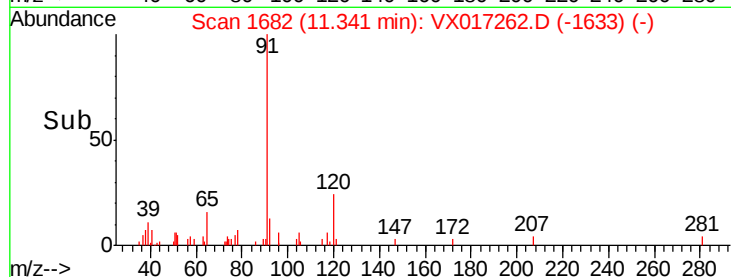
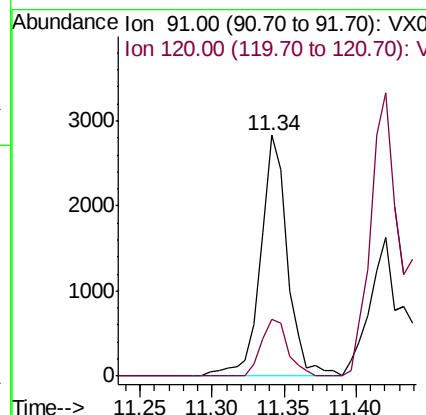
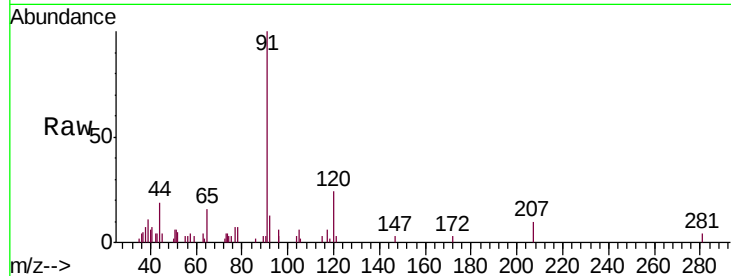




#78
n-propylbenzene
Concen: 0.205 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX017262.D
Acq: 08 Jul 2020 17:47

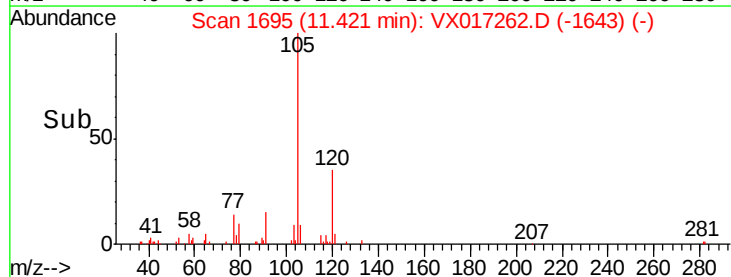
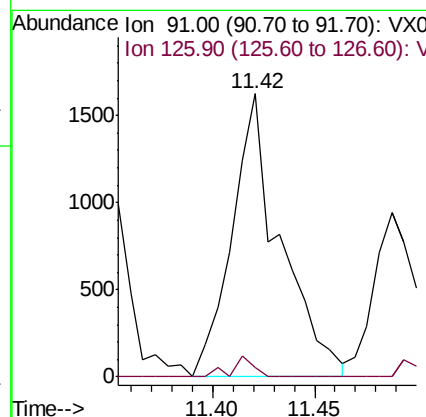
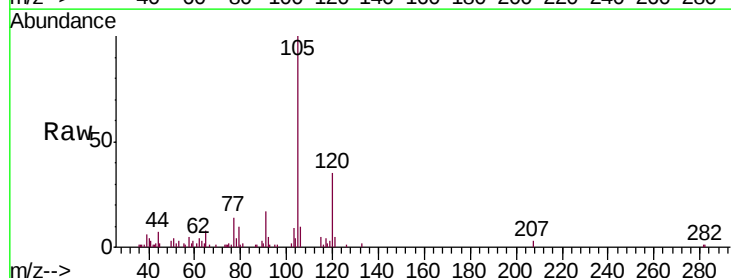
Instrument :
MSVOA_X
ClientSampled :
E3-41-NHS

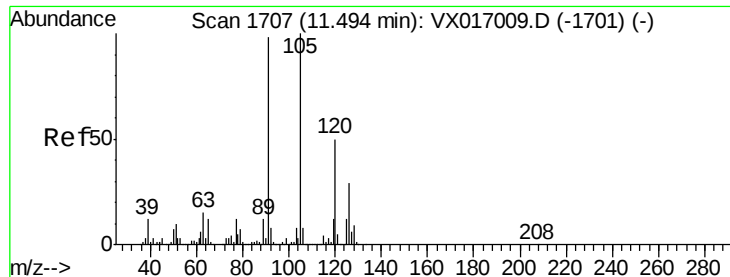
Tgt Ion: 91 Resp: 3617
Ion Ratio Lower Upper
91 100
120 23.2 11.9 35.9



#79
2-Chlorotoluene
Concen: 0.248 ug/l
RT: 11.42 min Scan# 1695
Delta R.T. 0.02 min
Lab File: VX017262.D
Acq: 08 Jul 2020 17:47

Tgt Ion: 91 Resp: 2659
Ion Ratio Lower Upper
91 100
126 3.2 17.4 52.3#

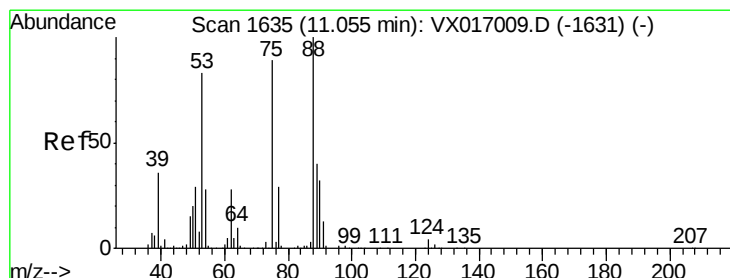
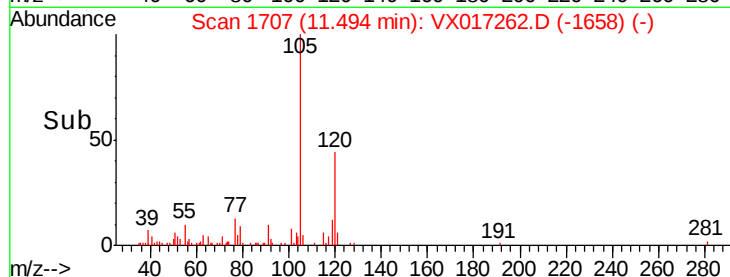
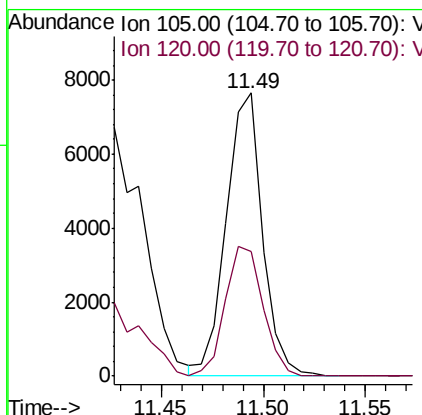
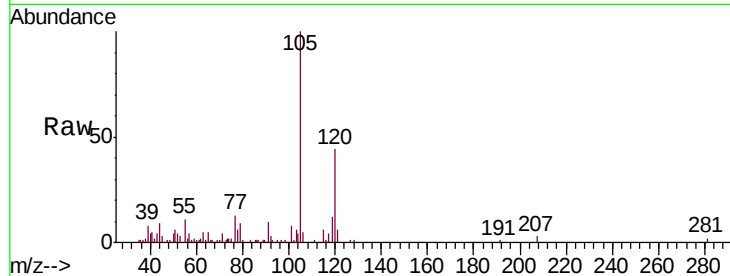




#80
 1,3,5-Trimethylbenzene
 Concen: 0.723 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX017262.D
 Acq: 08 Jul 2020 17:47

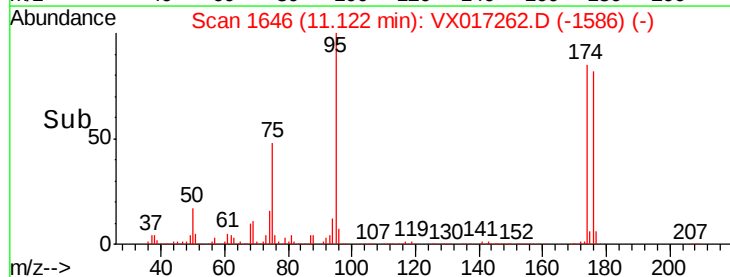
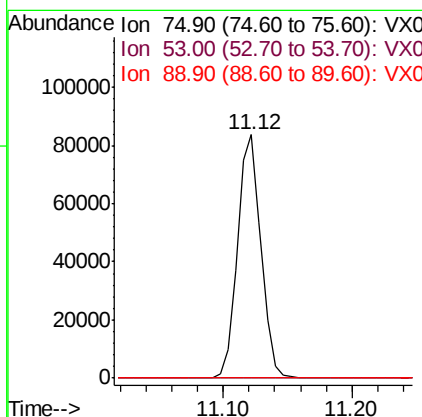
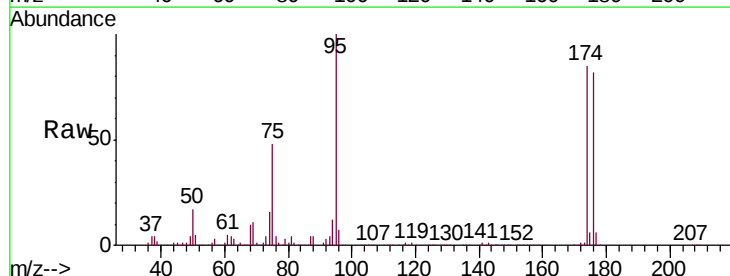
Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-NHS

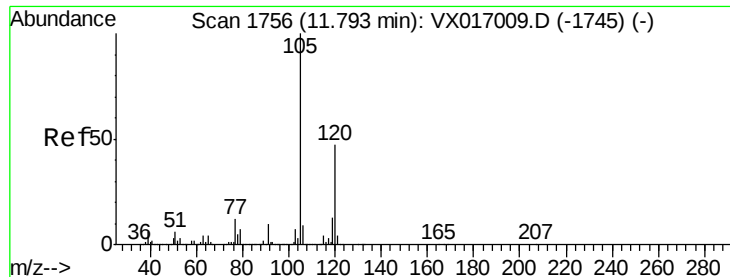
Tgt Ion: 105 Resp: 9380
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.121 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017262.D
 Acq: 08 Jul 2020 17:47

Tgt Ion: 75 Resp: 105360
 Ion Ratio Lower Upper
 75 100
 53 0.4 72.4 108.6#
 89 0.0 37.0 55.4#

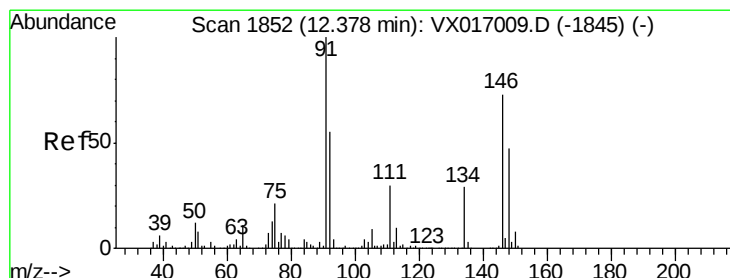
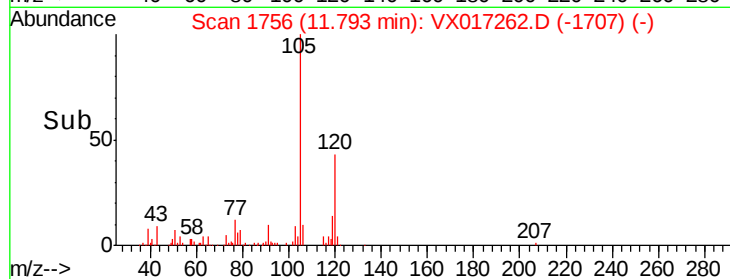
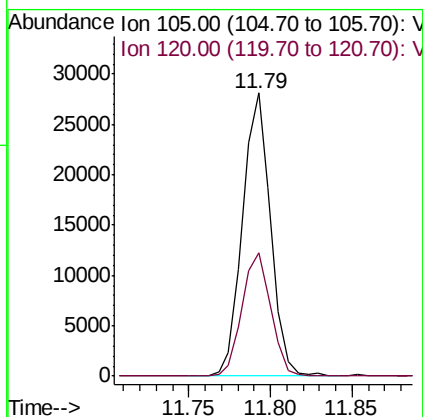
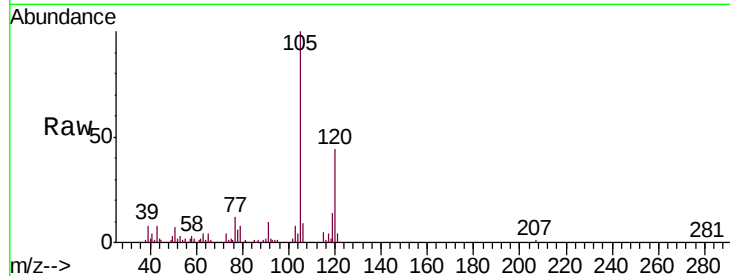




#84
 1,2,4-Trimethylbenzene
 Concen: 2.563 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX017262.D
 Acq: 08 Jul 2020 17:47

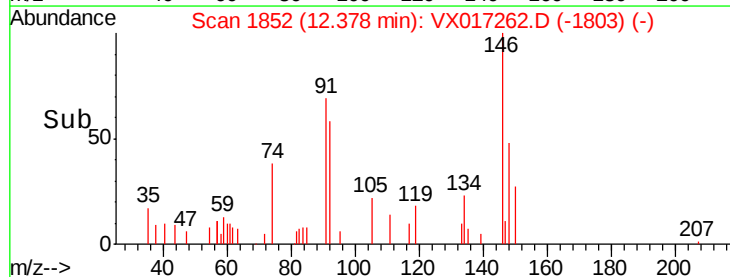
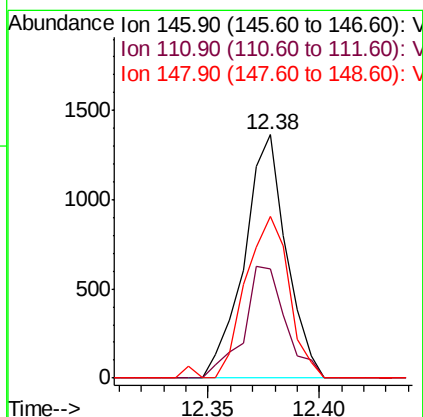
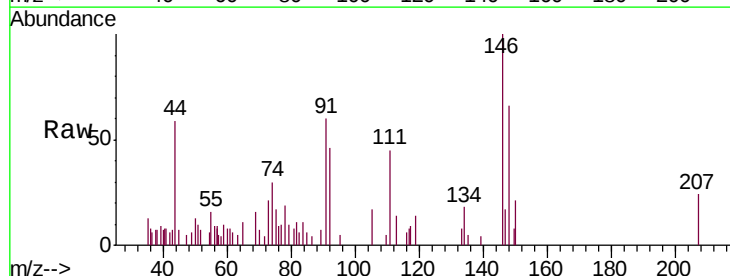
Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-NHS

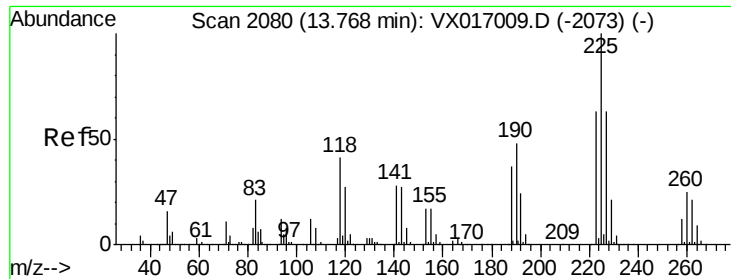
Tgt Ion:105 Resp: 33724
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.9 68.5



#91
 1,2-Dichlorobenzene
 Concen: 0.247 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX017262.D
 Acq: 08 Jul 2020 17:47

Tgt Ion:146 Resp: 1800
 Ion Ratio Lower Upper
 146 100
 111 45.4 20.6 61.9
 148 68.2 32.4 97.2





#94

Hexachlorobutadiene

Concen: 0.871 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Instrument :

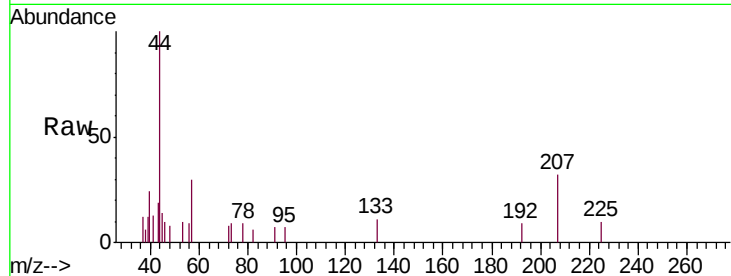
MSVOA_X

ClientSampleId :

E3-41-NHS

Tgt Ion:225 Resp: 52

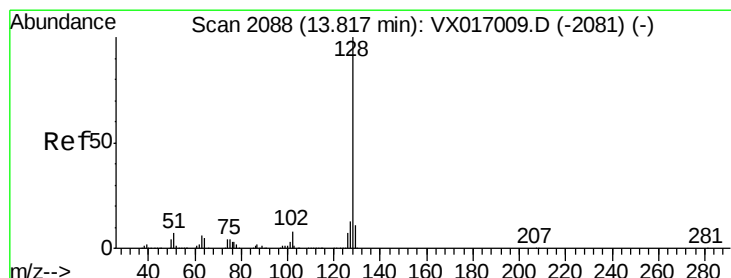
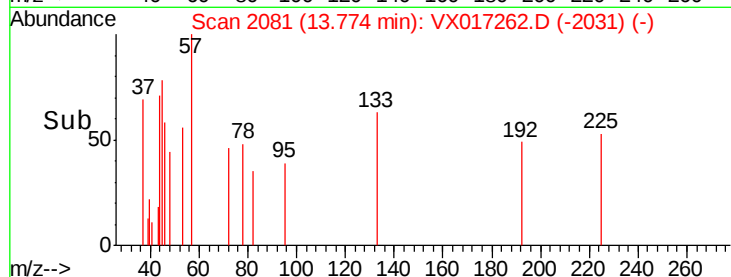
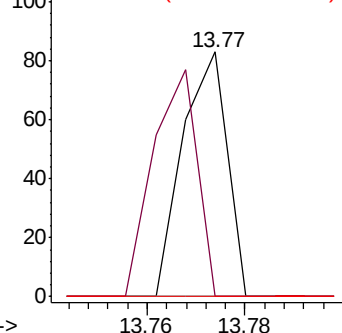
Ion	Ratio	Lower	Upper
225	100		
223	92.3	32.5	97.5
227	0.0	33.1	99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.292 ug/l

RT: 13.82 min Scan# 2088

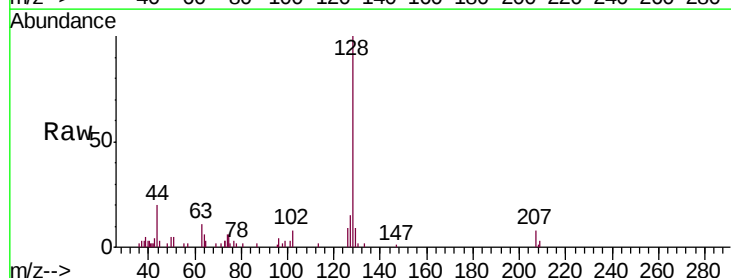
Delta R.T. -0.00 min

Lab File: VX017262.D

Acq: 08 Jul 2020 17:47

Tgt Ion:128 Resp: 4421

Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.2	15.4
129	13.1	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

