

Data File : VX017261.D
Acq On : 08 Jul 2020 17:24
Operator : JC/SP
Sample : L3217-13 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
E3-41-VAT

Quant Time: Jul 09 02:33:28 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	5.63	168	244824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	413865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	419054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	225033	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	164260	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
35) Dibromofluoromethane	5.47	113	142177	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	8.70	98	502734	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.12	95	206036	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	

Target Compounds

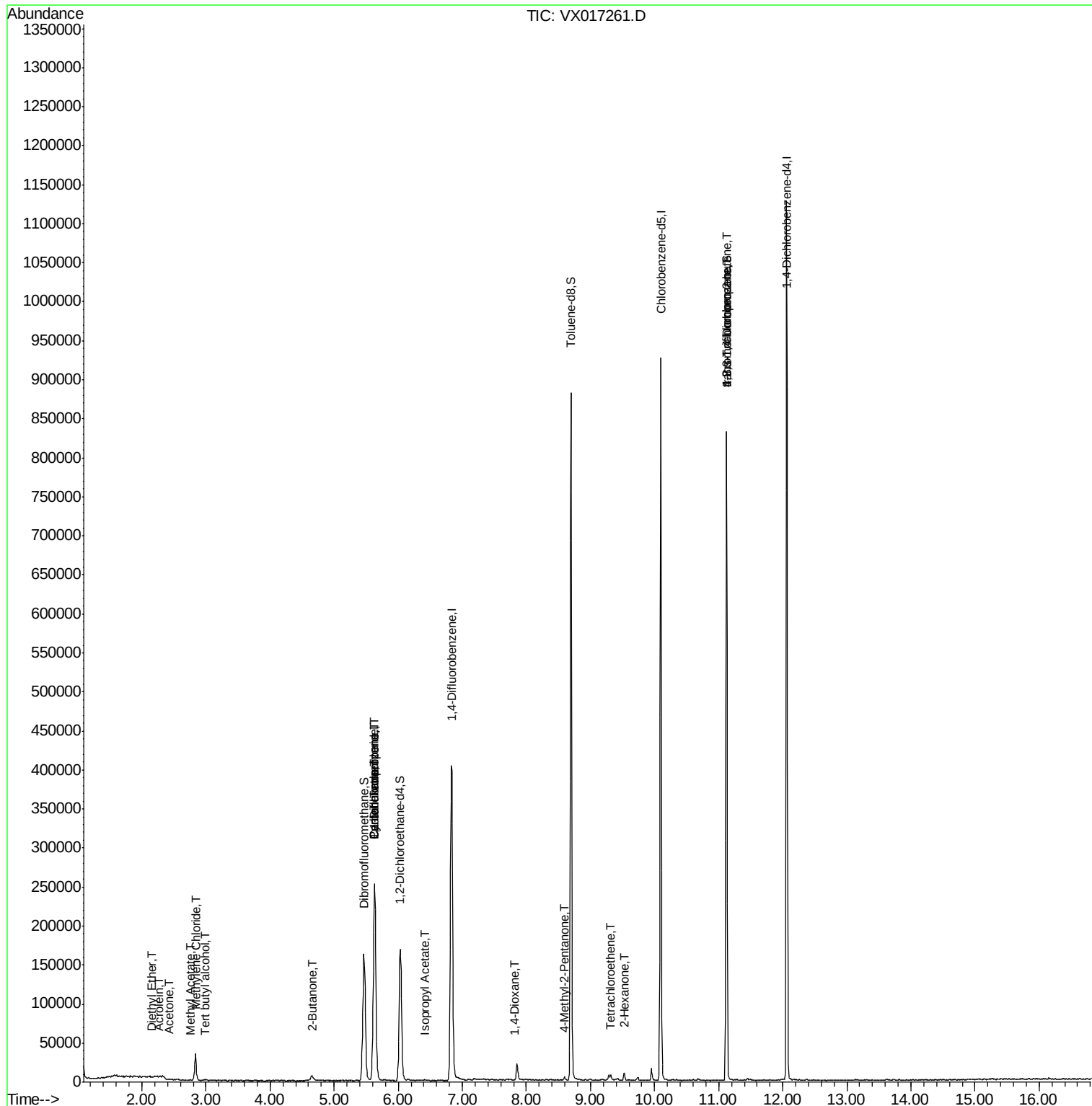
					Qvalue	
8) Diethyl Ether	2.15	74	62	0.412	ug/l	54
11) Tert butyl alcohol	2.99	59	702	1.219	ug/l	95
13) Acrolein	2.26	56	132	0.384	ug/l #	1
16) Acetone	2.42	43	1466	1.298	ug/l	97
18) Methyl Acetate	2.75	43	628	0.213	ug/l #	64
20) Methylene Chloride	2.84	84	14610	4.937	ug/l	96
25) 2-Butanone	4.65	43	626	0.333	ug/l #	49
31) Cyclohexane	5.62	56	4667	1.145	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17651	4.513	ug/l #	50
38) Carbon Tetrachloride	5.63	117	23948	5.559	ug/l #	18
43) Isopropyl Acetate	6.41	43	1723	0.261	ug/l #	94
44) Trichloroethene	7.18	130	494	Below Cal		64
49) 1,4-Dioxane	7.81	88	94	1.324	ug/l #	24
51) 4-Methyl-2-Pentanone	8.60	43	1564	0.398	ug/l #	35
59) 2-Hexanone	9.53	43	1298	0.452	ug/l	71
64) Tetrachloroethene	9.32	164	1129	0.334	ug/l	98
76) 1,2,3-Trichloropropane	11.12	75	103283	23.340	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	103283	60.442	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	364	Below Cal	#	25

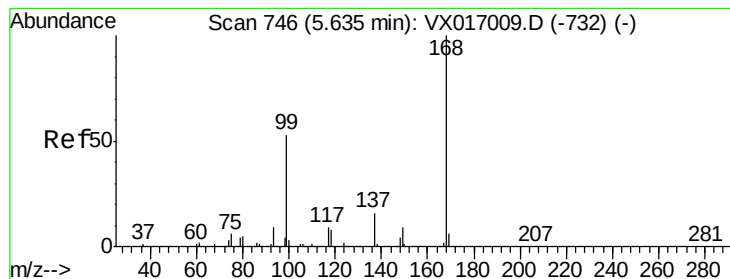
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017261.D

Acq: 08 Jul 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

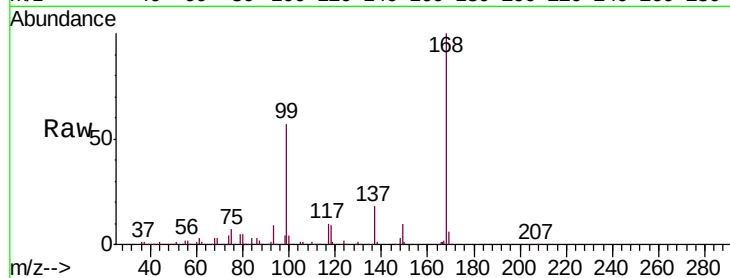
E3-41-VAT

Tgt Ion:168 Resp: 244824

Ion Ratio Lower Upper

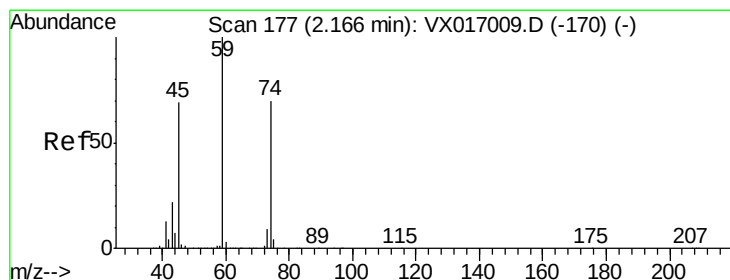
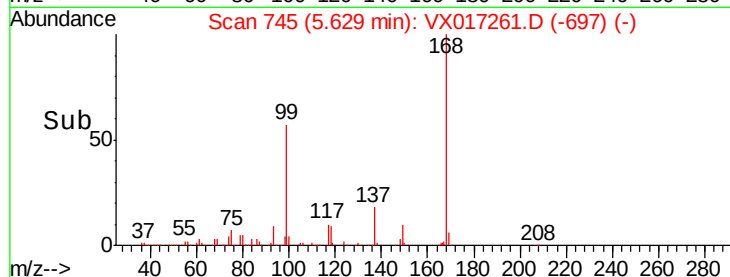
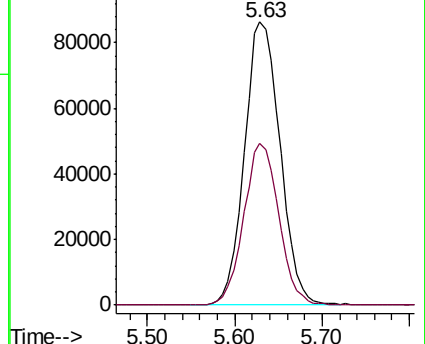
168 100

99 57.2 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 0.412 ug/l

RT: 2.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VX017261.D

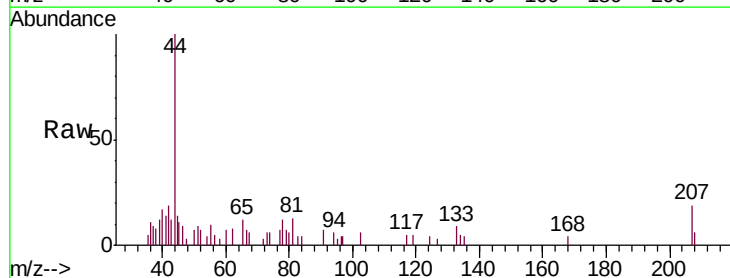
Acq: 08 Jul 2020 17:24

Tgt Ion: 74 Resp: 62

Ion Ratio Lower Upper

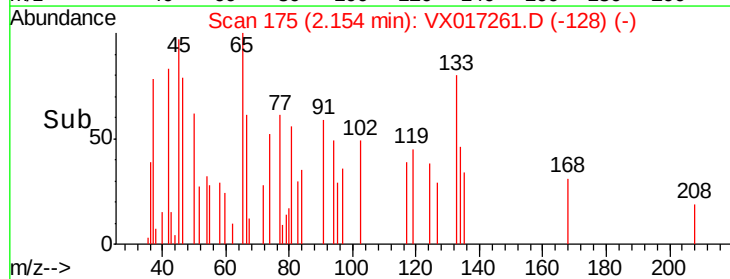
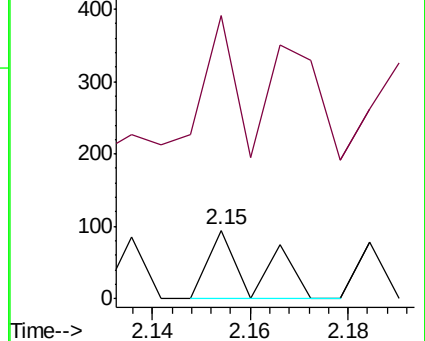
74 100

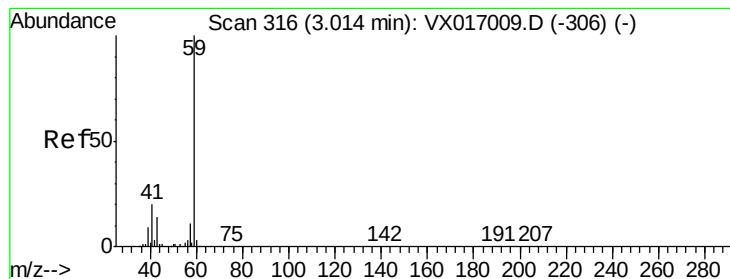
45 145.2 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



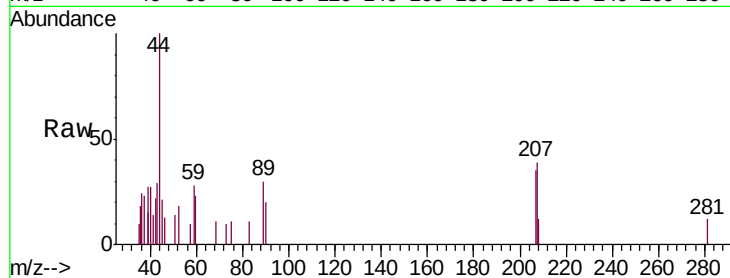


#11

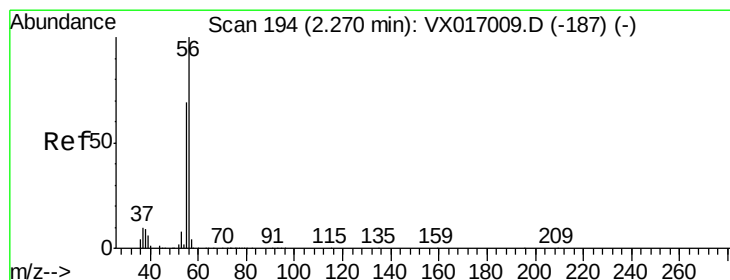
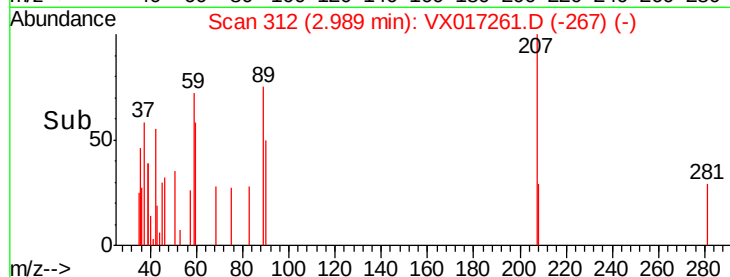
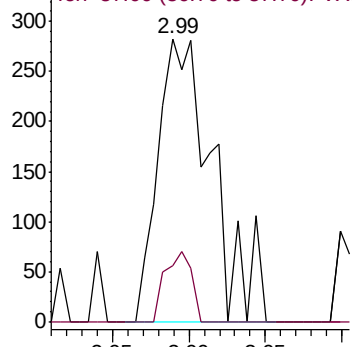
Tert butyl alcohol
 Concen: 1.219 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX017261.D
 Acq: 08 Jul 2020 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-VAT

Tgt Ion: 59 Resp: 702
 Ion Ratio Lower Upper
 59 100
 57 12.0 8.2 12.2



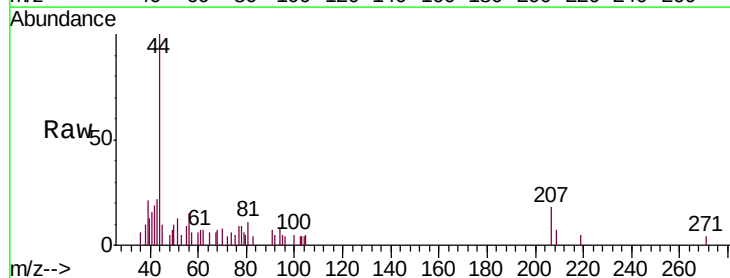
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



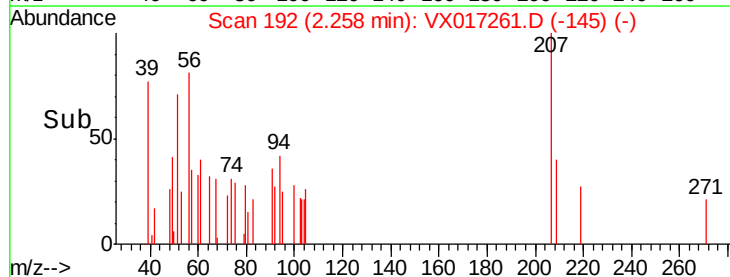
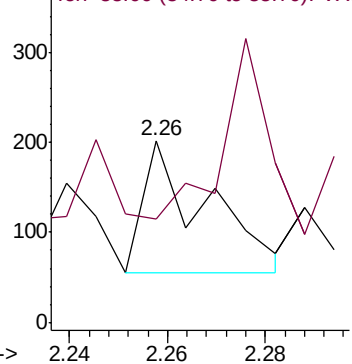
#13

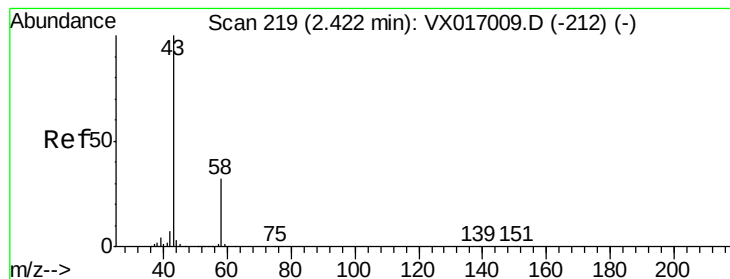
Acrolein
 Concen: 0.384 ug/l
 RT: 2.26 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VX017261.D
 Acq: 08 Jul 2020 17:24

Tgt Ion: 56 Resp: 132
 Ion Ratio Lower Upper
 56 100
 55 246.2 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.298 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017261.D

Acq: 08 Jul 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

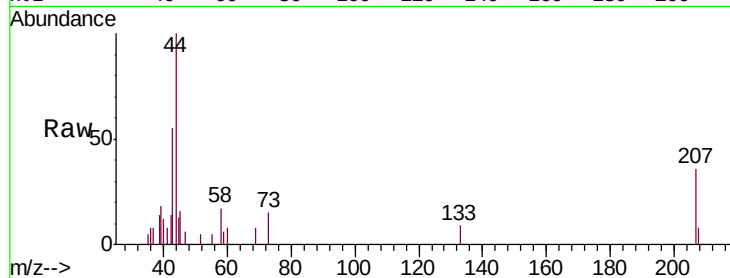
E3-41-VAT

Tgt Ion: 43 Resp: 1466

Ion Ratio Lower Upper

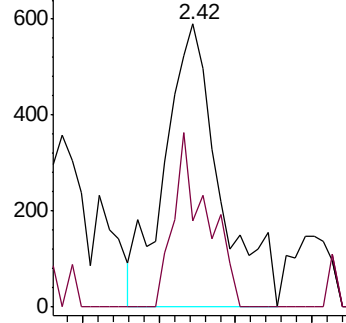
43 100

58 30.5 25.7 38.5

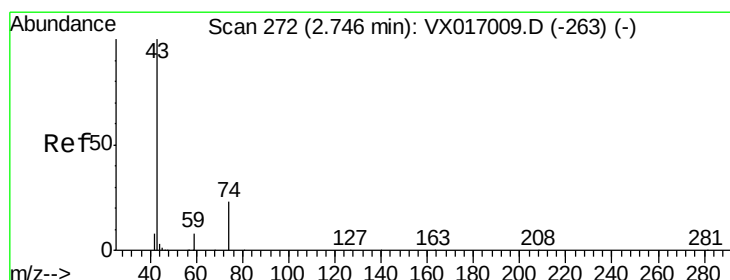
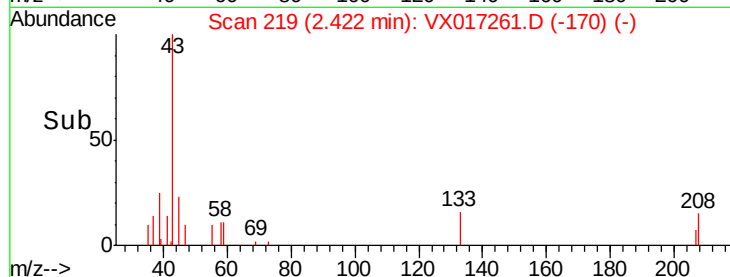


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#18

Methyl Acetate

Concen: 0.213 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017261.D

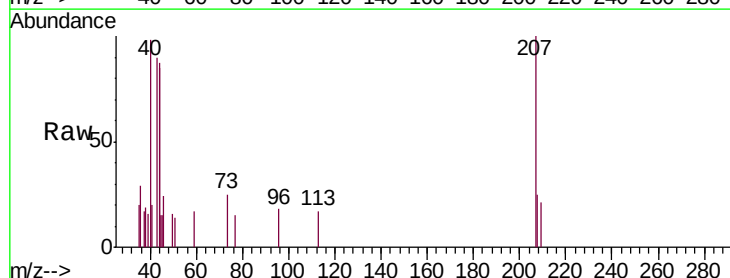
Acq: 08 Jul 2020 17:24

Tgt Ion: 43 Resp: 628

Ion Ratio Lower Upper

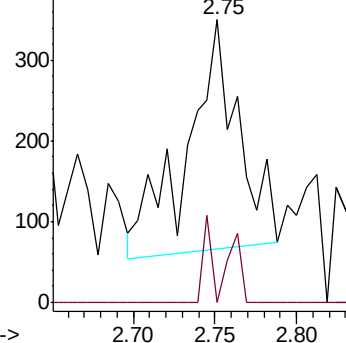
43 100

74 6.2 19.3 28.9#

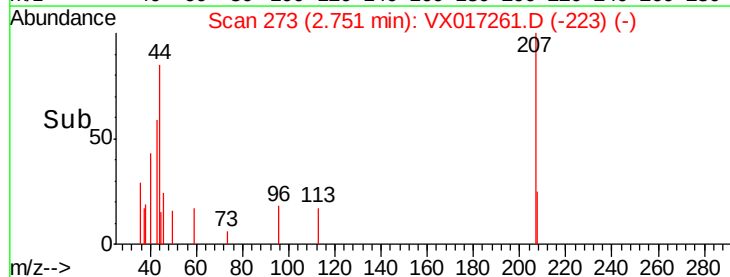


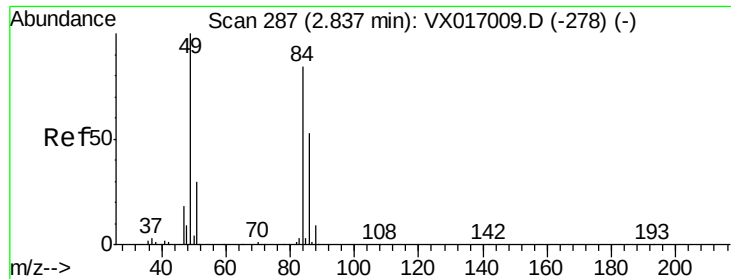
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->

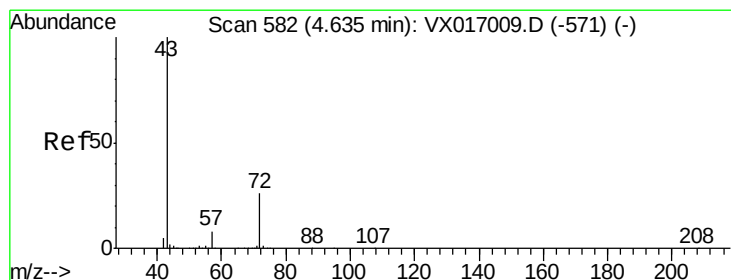
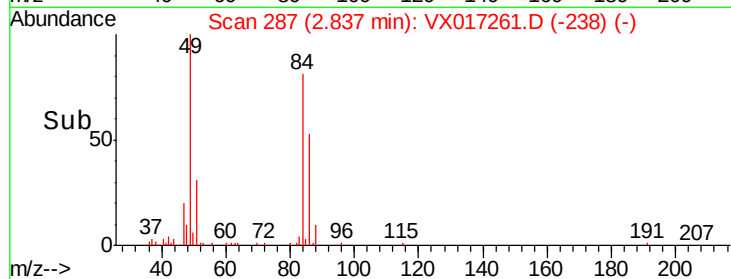
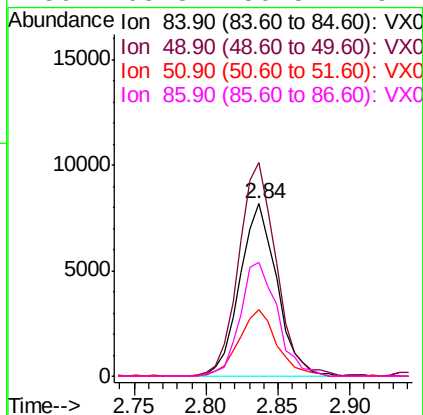
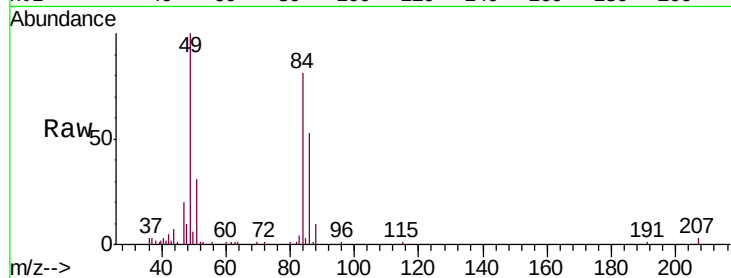




#20
Methylene Chloride
Concen: 4.937 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017261.D
Acq: 08 Jul 2020 17:24

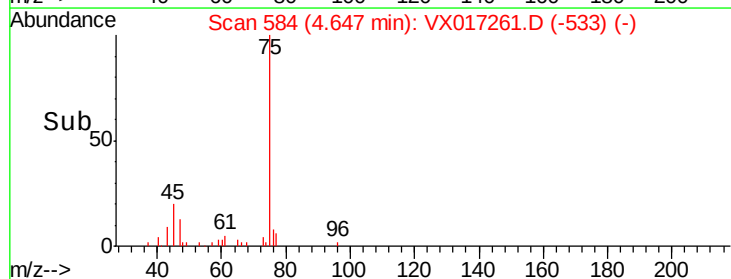
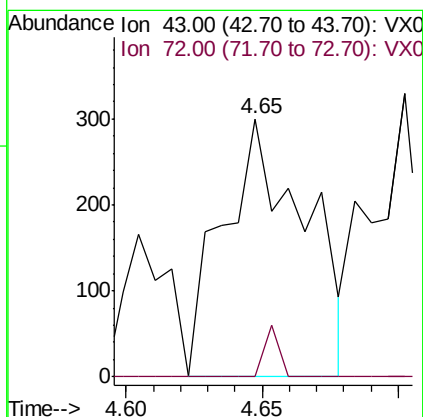
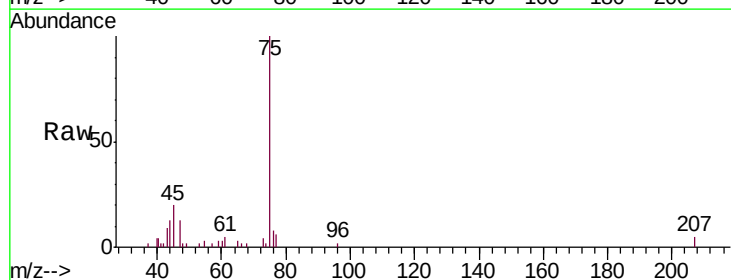
Instrument :
MSVOA_X
ClientSampleId :
E3-41-VAT

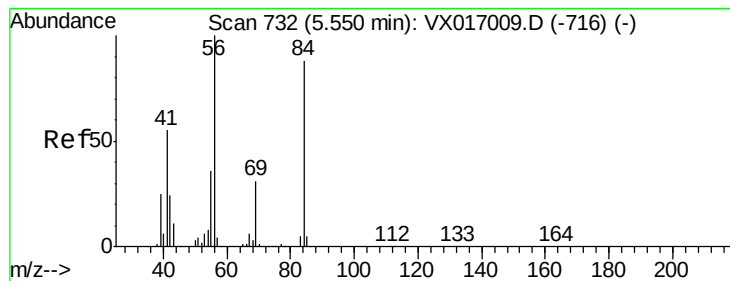
Tgt Ion:	84	Resp:	14610
Ion	Ratio	Lower	Upper
84	100		
49	123.7	94.7	142.1
51	38.5	28.6	42.8
86	65.8	50.5	75.7



#25
2-Butanone
Concen: 0.333 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017261.D
Acq: 08 Jul 2020 17:24

Tgt Ion:	43	Resp:	626
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.8	31.2#





#31

Cyclohexane

Concen: 1.145 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX017261.D

Acq: 08 Jul 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

E3-41-VAT

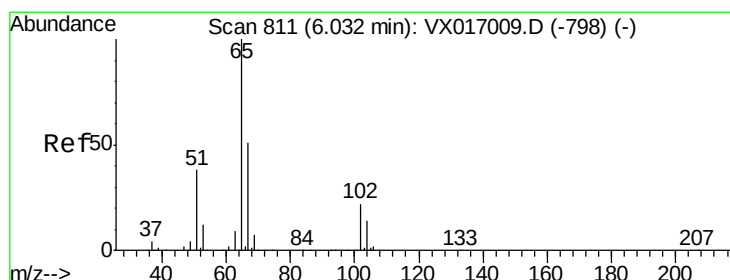
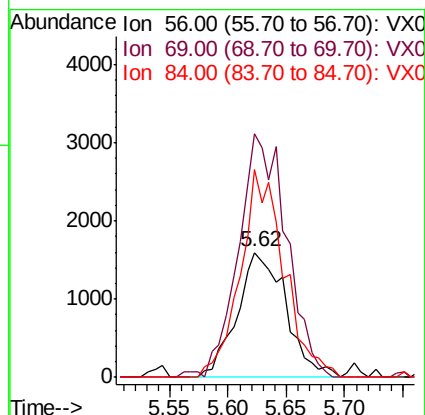
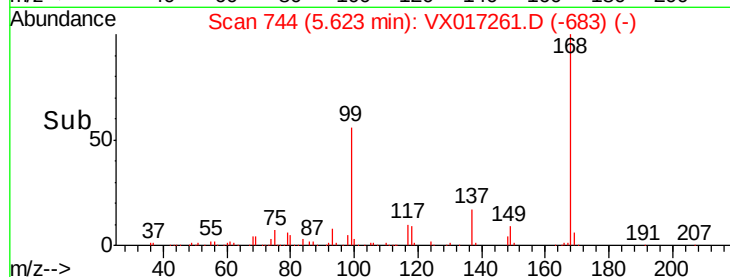
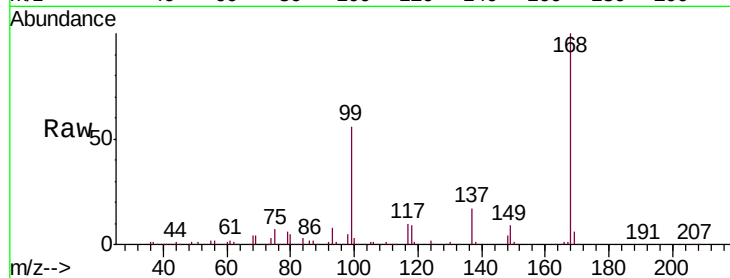
Tgt Ion: 56 Resp: 4667

Ion Ratio Lower Upper

56 100

69 195.3 25.0 37.4#

84 166.9 69.1 103.7#



#33

1,2-Dichloroethane-d4

Concen: 54.423 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017261.D

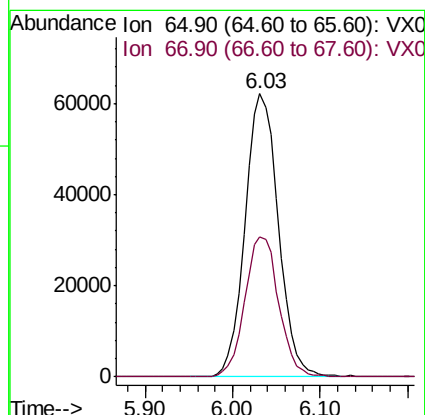
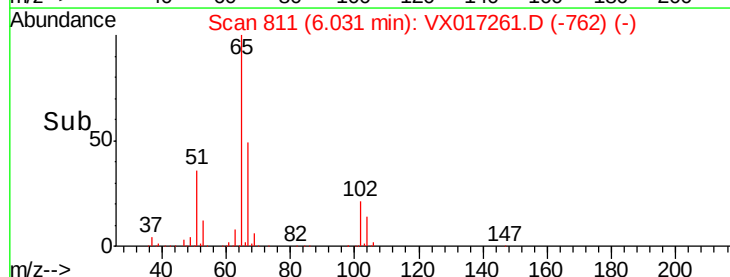
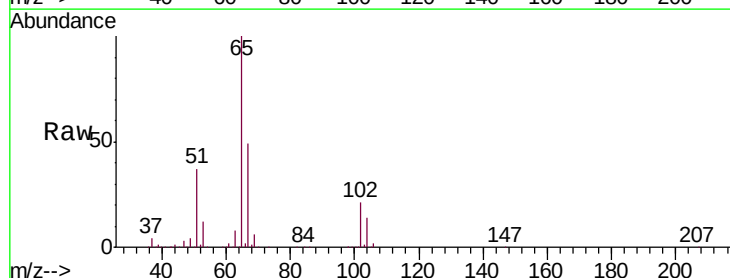
Acq: 08 Jul 2020 17:24

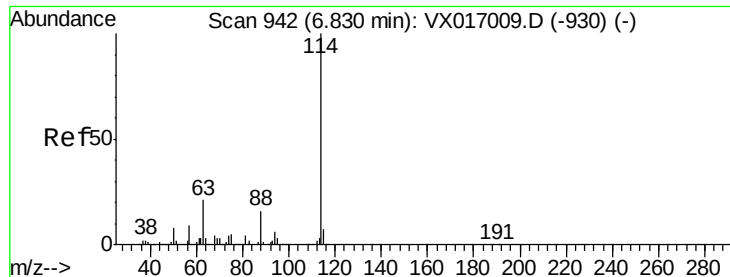
Tgt Ion: 65 Resp: 164260

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017261.D

Acq: 08 Jul 2020 17:24

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MSVOA_X

ClientSampleId :

E3-41-VAT

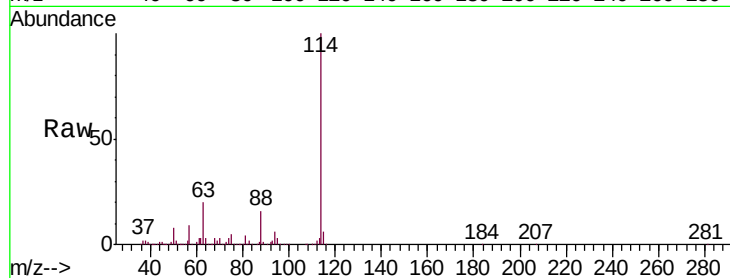
Tgt Ion:114 Resp: 413865

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.4

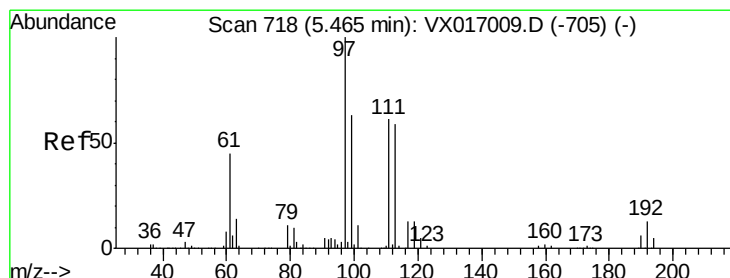
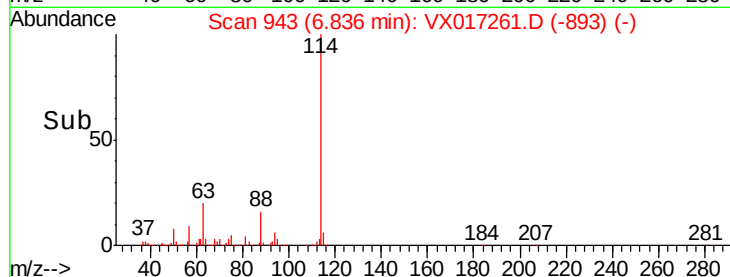
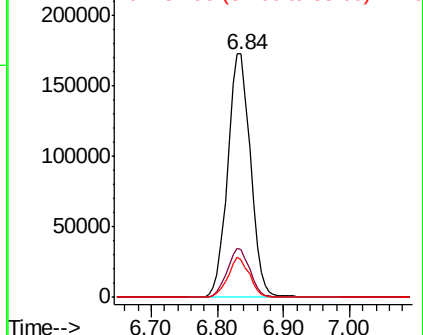
88 15.7 0.0 32.4



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: 54.308 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017261.D

Acq: 08 Jul 2020 17:24

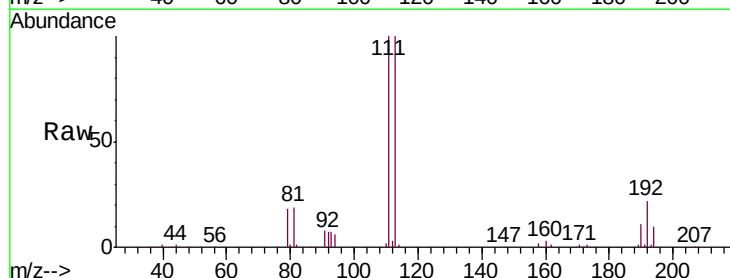
Tgt Ion:113 Resp: 142177

Ion Ratio Lower Upper

113 100

111 102.1 81.9 122.9

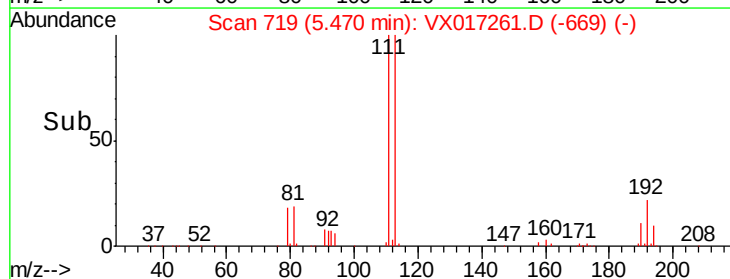
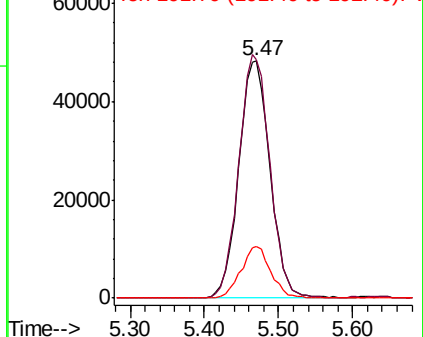
192 20.6 16.7 25.1

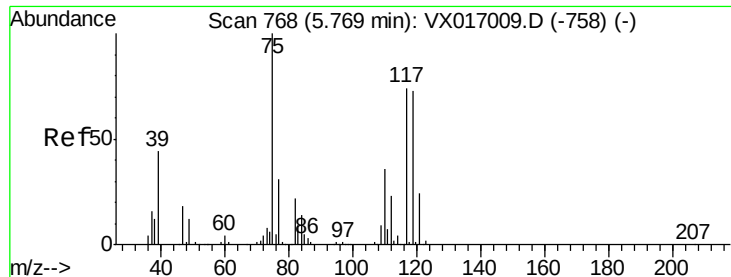


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

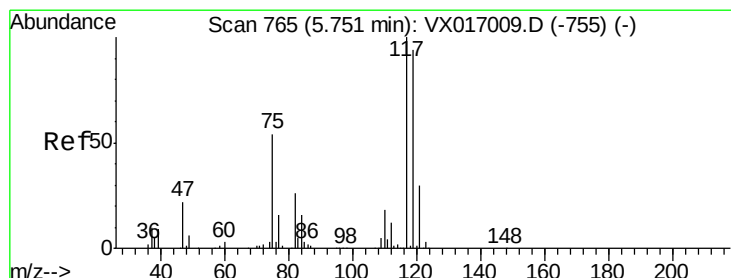
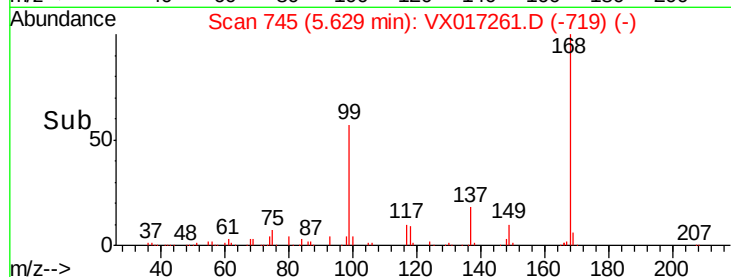
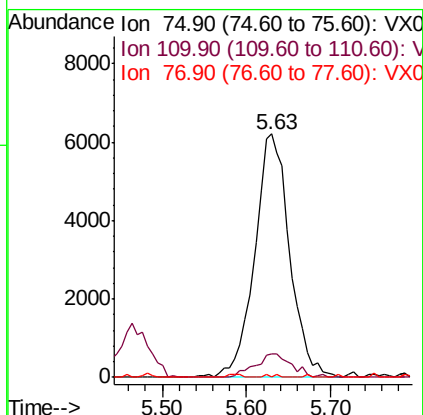
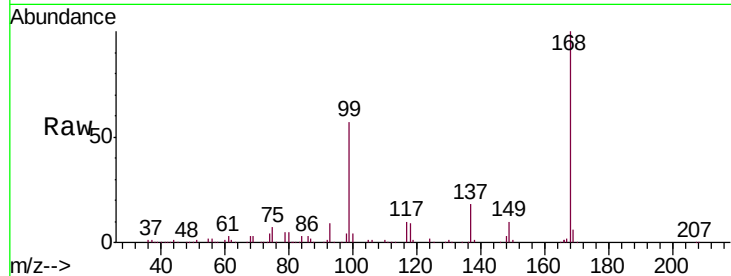




#36
 1,1-Dichloropropene
 Concen: 4.513 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017261.D
 Acq: 08 Jul 2020 17:24

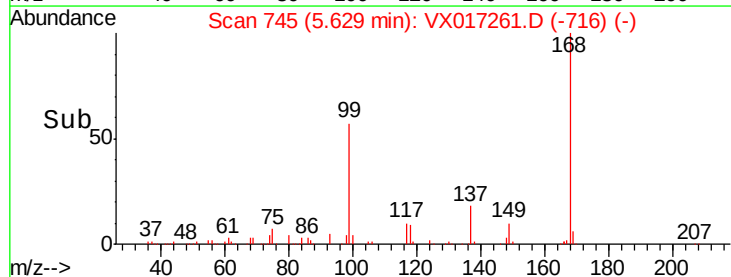
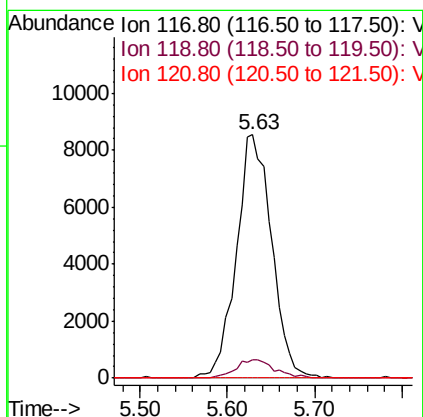
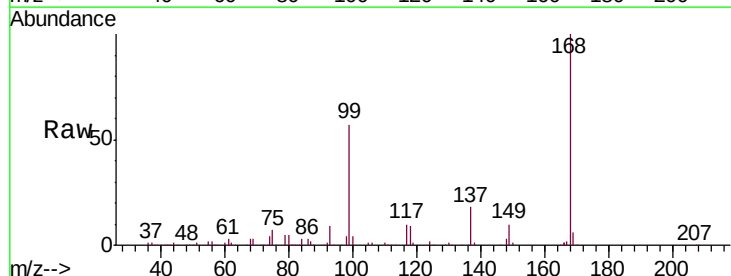
Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-VAT

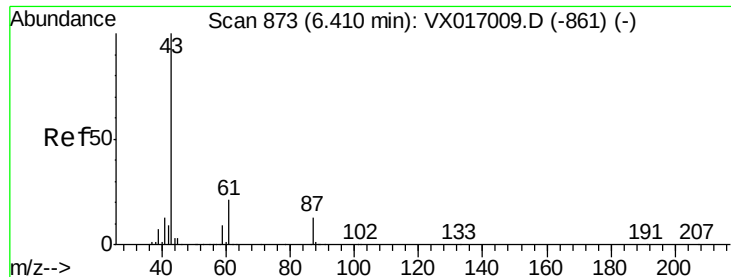
Tgt Ion: 75 Resp: 17651
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.1 54.1#
 77 0.3 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.559 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX017261.D
 Acq: 08 Jul 2020 17:24

Tgt Ion: 117 Resp: 23948
 Ion Ratio Lower Upper
 117 100
 119 7.3 75.4 113.0#
 121 0.0 23.8 35.6#





#43

Isopropyl Acetate

Concen: 0.261 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX017261.D

Acq: 08 Jul 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

E3-41-VAT

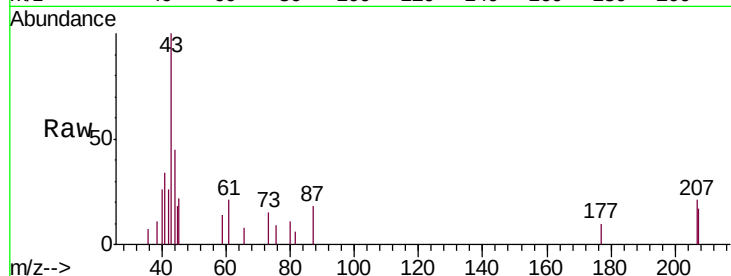
Tgt Ion: 43 Resp: 1723

Ion Ratio Lower Upper

43 100

61 20.1 16.2 24.2

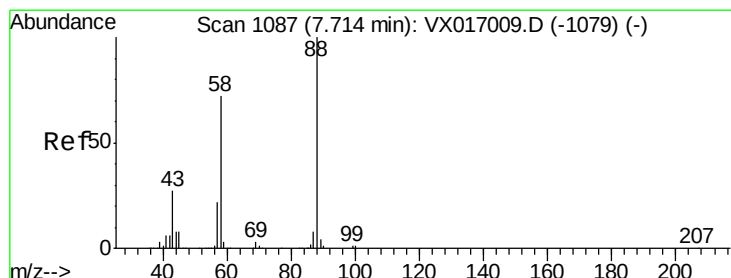
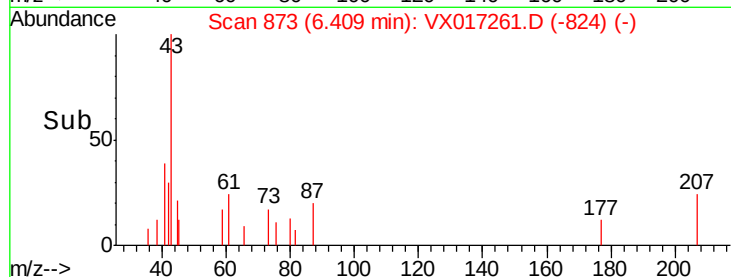
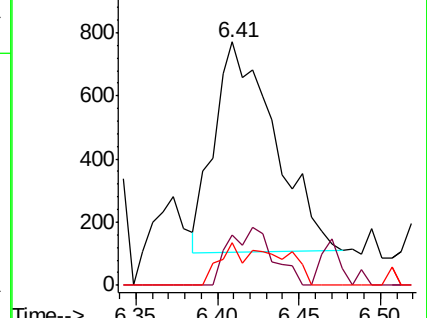
87 7.7 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#49

1,4-Dioxane

Concen: 1.324 ug/l

RT: 7.81 min Scan# 1103

Delta R.T. 0.10 min

Lab File: VX017261.D

Acq: 08 Jul 2020 17:24

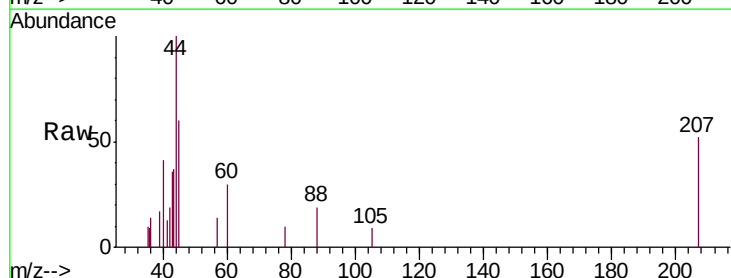
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

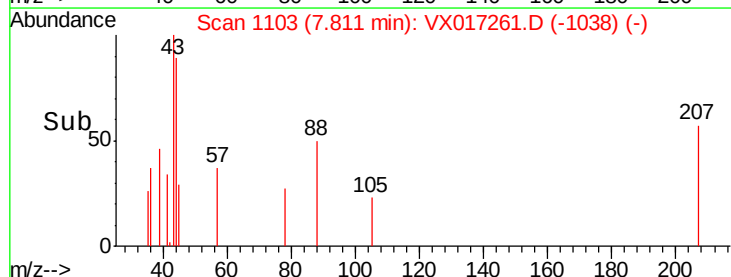
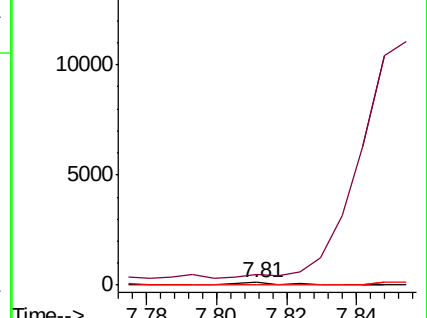
58 0.0 54.8 82.2#

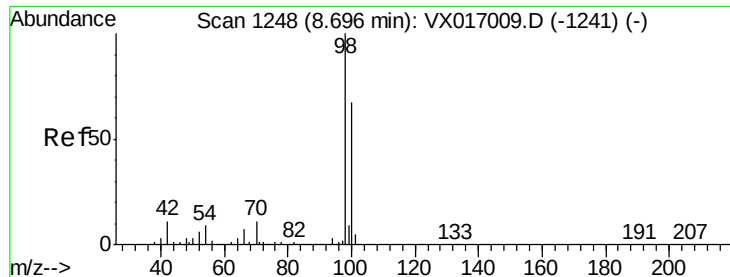


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

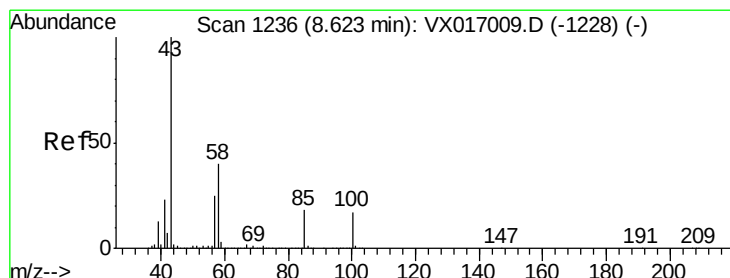
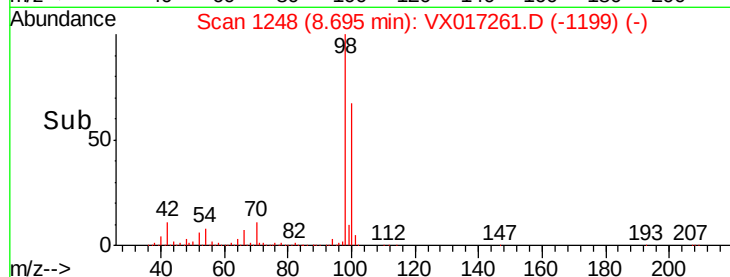
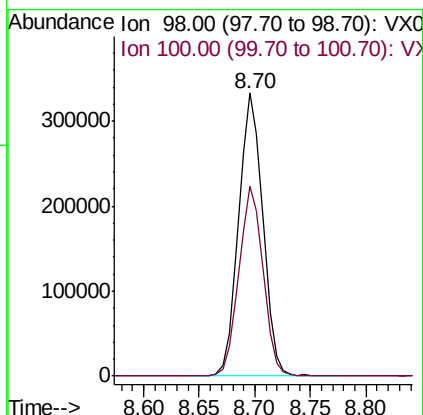
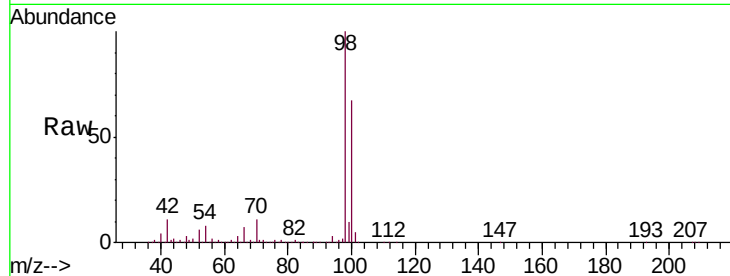




#50
Toluene-d8
Concen: 51.931 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017261.D
Acq: 08 Jul 2020 17:24

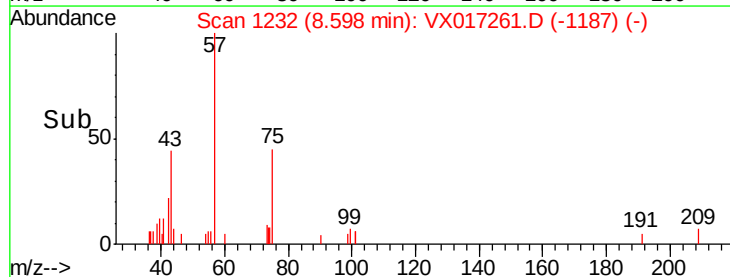
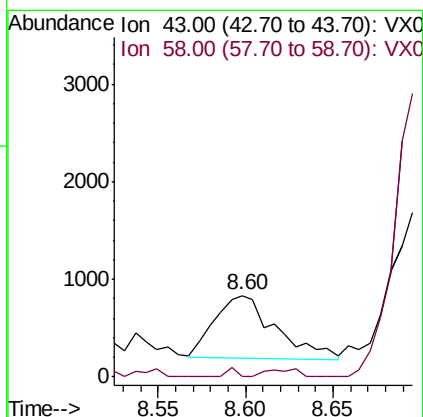
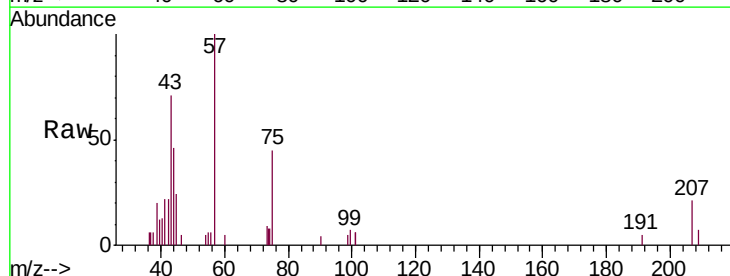
Instrument :
MSVOA_X
ClientSampleId :
E3-41-VAT

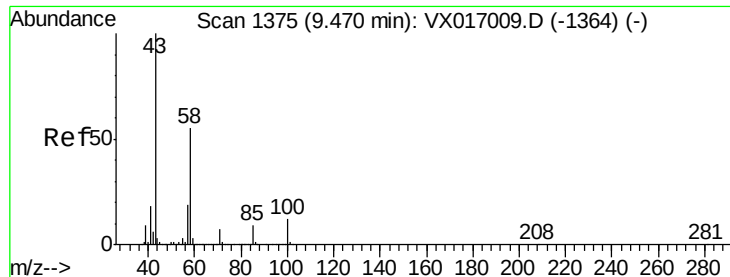
Tgt Ion: 98 Resp: 502734
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.398 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VX017261.D
Acq: 08 Jul 2020 17:24

Tgt Ion: 43 Resp: 1564
Ion Ratio Lower Upper
43 100
58 0.0 31.9 47.9#

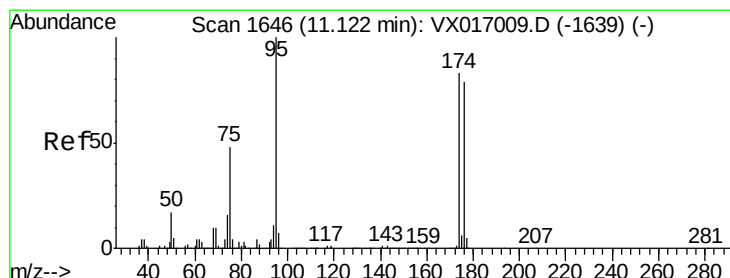
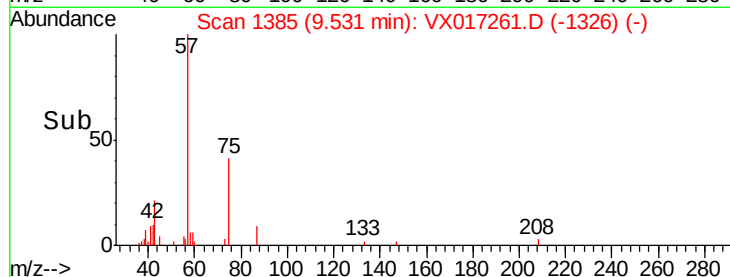
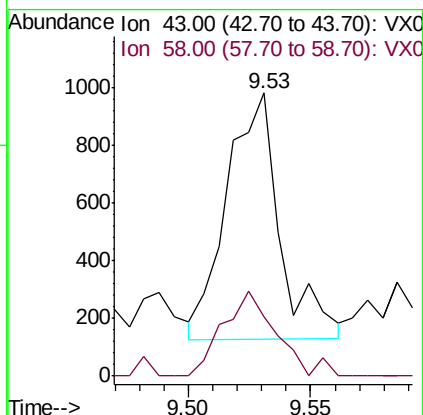
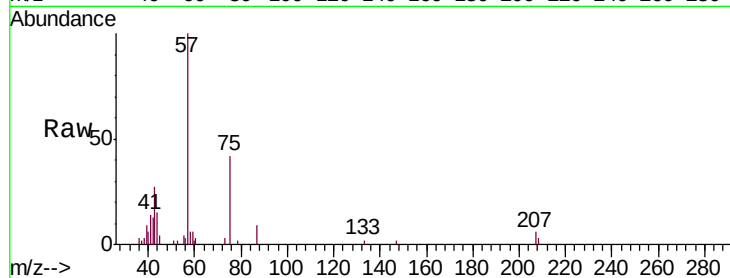




#59
2-Hexanone
Concen: 0.452 ug/l
RT: 9.53 min Scan# 1385
Delta R.T. 0.06 min
Lab File: VX017261.D
Acq: 08 Jul 2020 17:24

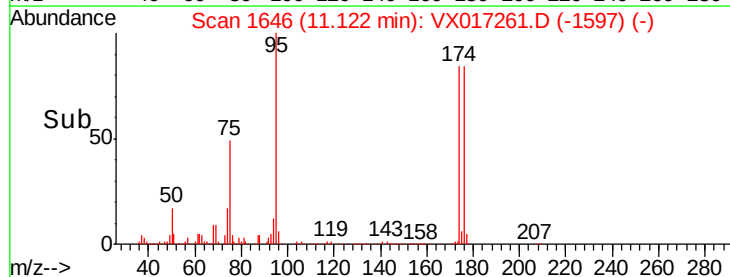
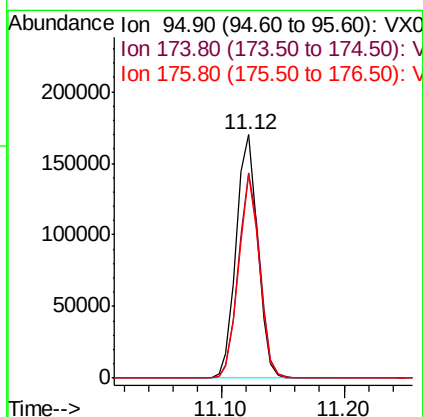
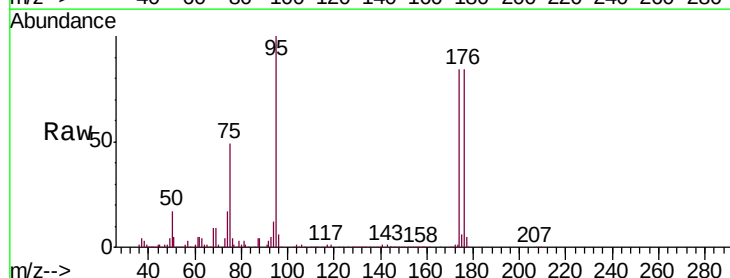
Instrument :
MSVOA_X
ClientSampled :
E3-41-VAT

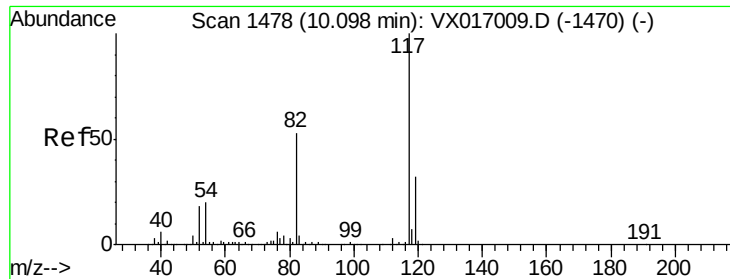
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
58 34.7 27.9 83.6



#62
4-Bromofluorobenzene
Concen: 54.444 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017261.D
Acq: 08 Jul 2020 17:24

Tgt Ion: 95 Resp: 206036
Ion Ratio Lower Upper
95 100
174 83.7 0.0 164.0
176 80.4 0.0 157.6

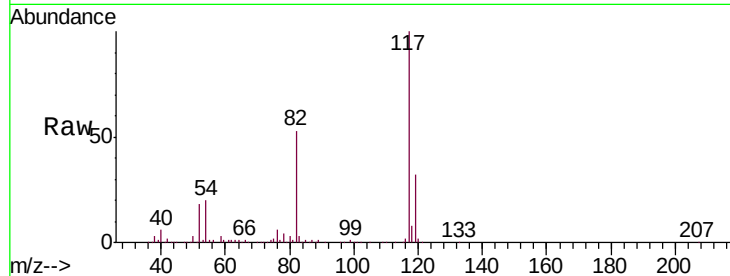




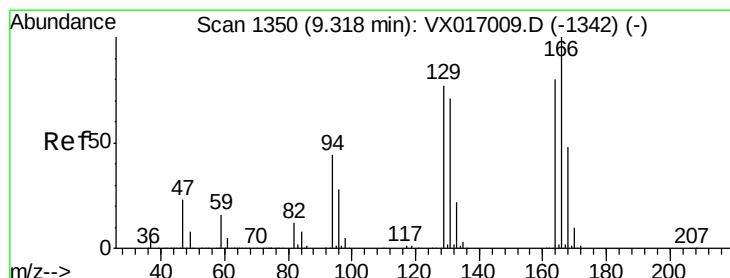
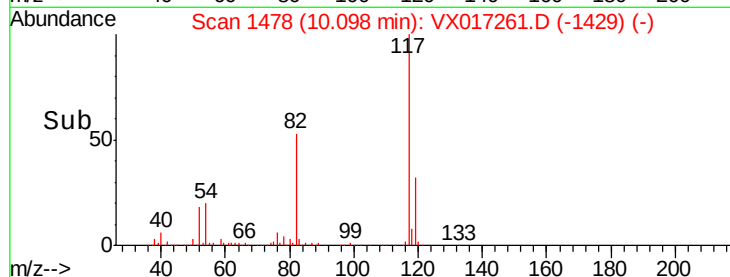
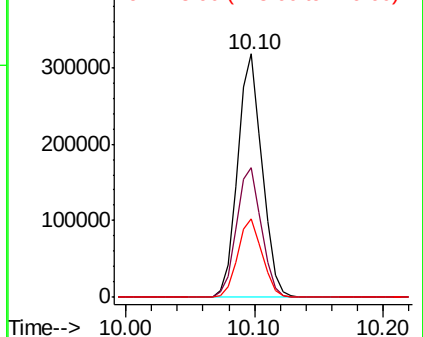
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017261.D
Acq: 08 Jul 2020 17:24

Instrument :
MSVOA_X
ClientSampleId :
E3-41-VAT

Tgt Ion:117 Resp: 419054
Ion Ratio Lower Upper
117 100
82 53.2 42.6 63.8
119 32.0 25.4 38.2

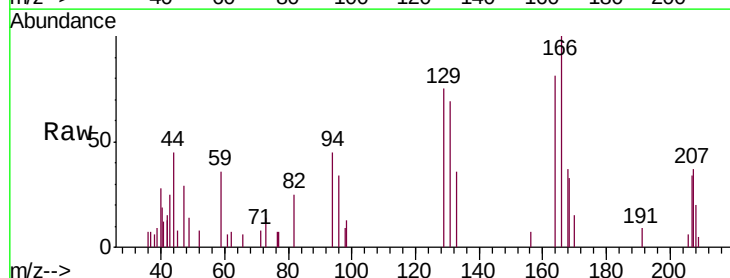


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

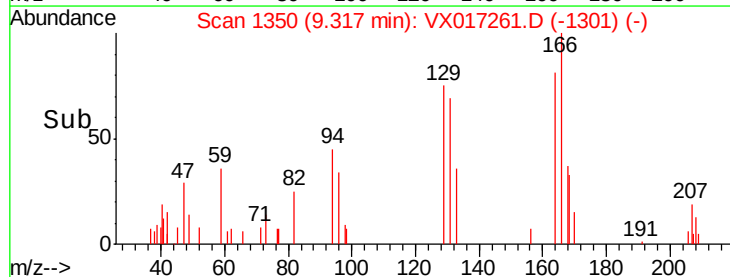
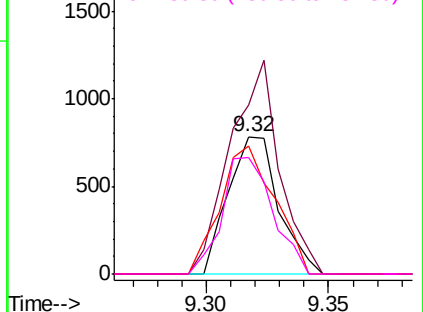


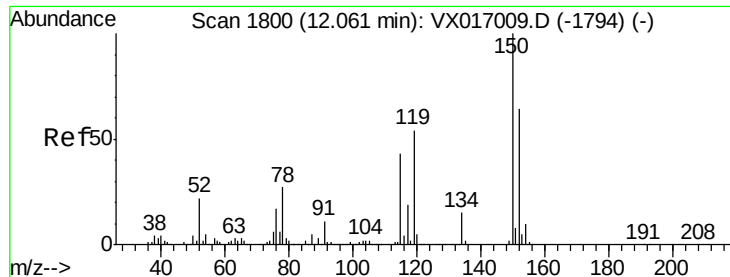
#64
Tetrachloroethene
Concen: 0.334 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017261.D
Acq: 08 Jul 2020 17:24

Tgt Ion:164 Resp: 1129
Ion Ratio Lower Upper
164 100
166 123.1 99.4 149.0
129 93.0 76.3 114.5
131 84.9 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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017261.D

Acq: 08 Jul 2020 17:24

Instrument :

MSVOA_X

ClientSampleId :

E3-41-VAT

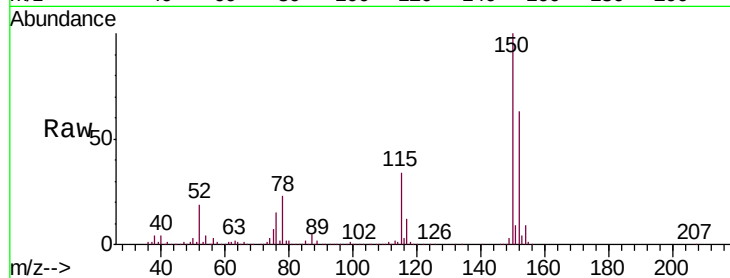
Tgt Ion:152 Resp: 225033

Ion Ratio Lower Upper

152 100

115 57.8 40.9 122.7

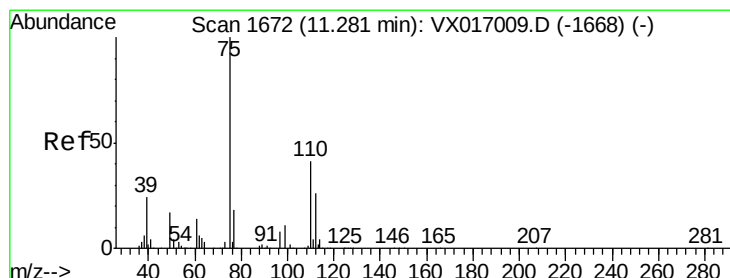
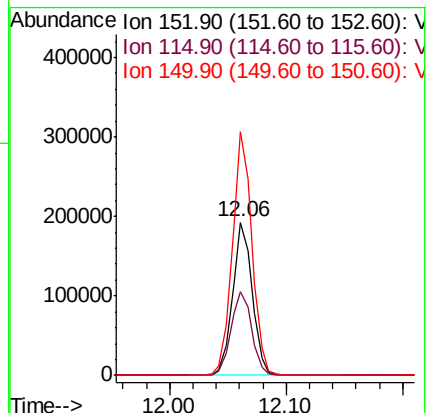
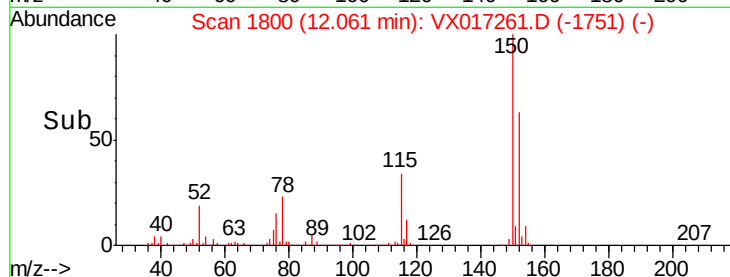
150 158.4 0.0 351.6



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: 23.340 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017261.D

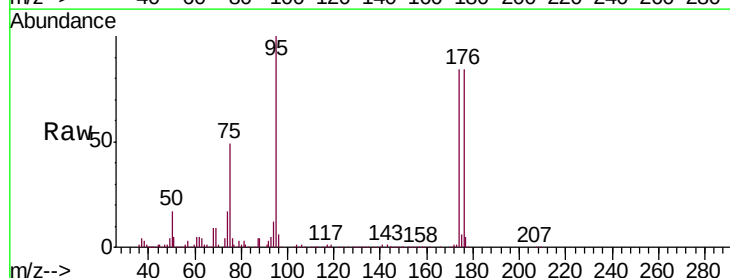
Acq: 08 Jul 2020 17:24

Tgt Ion: 75 Resp: 103283

Ion Ratio Lower Upper

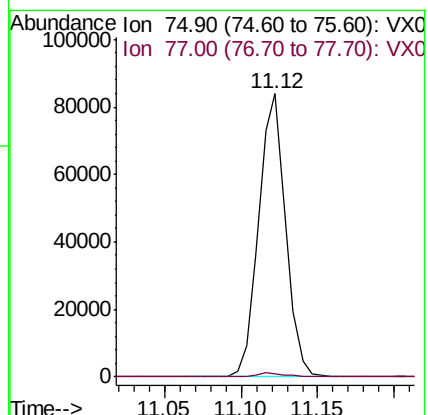
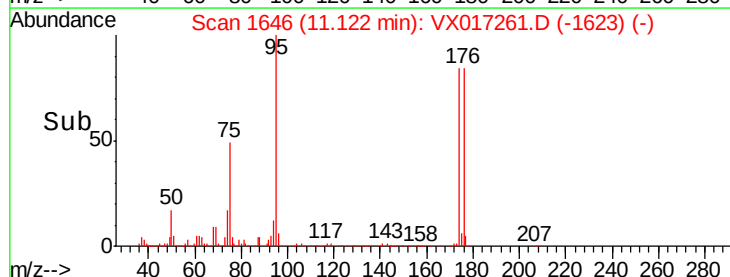
75 100

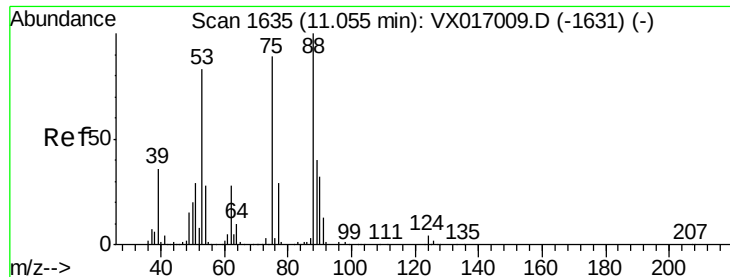
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.442 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX017261.D
 Acq: 08 Jul 2020 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 E3-41-VAT

Tgt Ion: 75 Resp: 103283
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.4 108.6#
 89 0.0 37.0 55.4#

