

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO062920\
 Data File : VX017024.D
 Acq On : 29 Jun 2020 21:57
 Operator : JC/SP
 Sample : L3146-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Manual Integrations
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MMDadoda
 6/30/2020 10:12:02 AM

Quant Time: Jun 30 06:32:41 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	258574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	735134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	704255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	251636	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	275212	86.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.68%	
35) Dibromofluoromethane	5.47	113	138797	29.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.70%	
50) Toluene-d8	8.70	98	859357	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.12	95	370907	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	1488	0.530	ug/l	95
8) Diethyl Ether	2.17	74	11037	8.202	ug/l	96
11) Tert butyl alcohol	3.01	59	3130058	5147.117	ug/l	100
16) Acetone	2.42	43	8415	7.057	ug/l	99
17) Carbon Disulfide	2.55	76	3273	0.481	ug/l #	86
19) Methyl tert-butyl Ether	3.17	73	25544	2.975	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	2869	0.892	ug/l	80
28) Bromochloromethane	4.98	49	80830	33.362	ug/l	98
29) Tetrahydrofuran	5.09	42	1221544	930.453	ug/l	99
40) Benzene	6.12	78	40584	1.988	ug/l	98
42) 1,2-Dichloroethane	6.17	62	3706	0.503	ug/l	90
49) 1,4-Dioxane	7.71	88	6603	52.371	ug/l	90
51) 4-Methyl-2-Pentanone	8.62	43	30384m	4.351	ug/l	
52) Toluene	8.76	92	41596	3.264	ug/l	97
59) 2-Hexanone	9.48	43	6049m	1.186	ug/l	
65) Chlorobenzene	10.12	112	7549	0.519	ug/l #	83
68) m/p-Xylenes	10.34	106	40457	4.341	ug/l	100
69) o-Xylene	10.68	106	28718	3.239	ug/l	96
80) 1,3,5-Trimethylbenzene	11.49	105	9500	0.695	ug/l	94
84) 1,2,4-Trimethylbenzene	11.79	105	19167	1.382	ug/l	91
88) 1,4-Dichlorobenzene	12.08	146	22081	2.665	ug/l	88

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

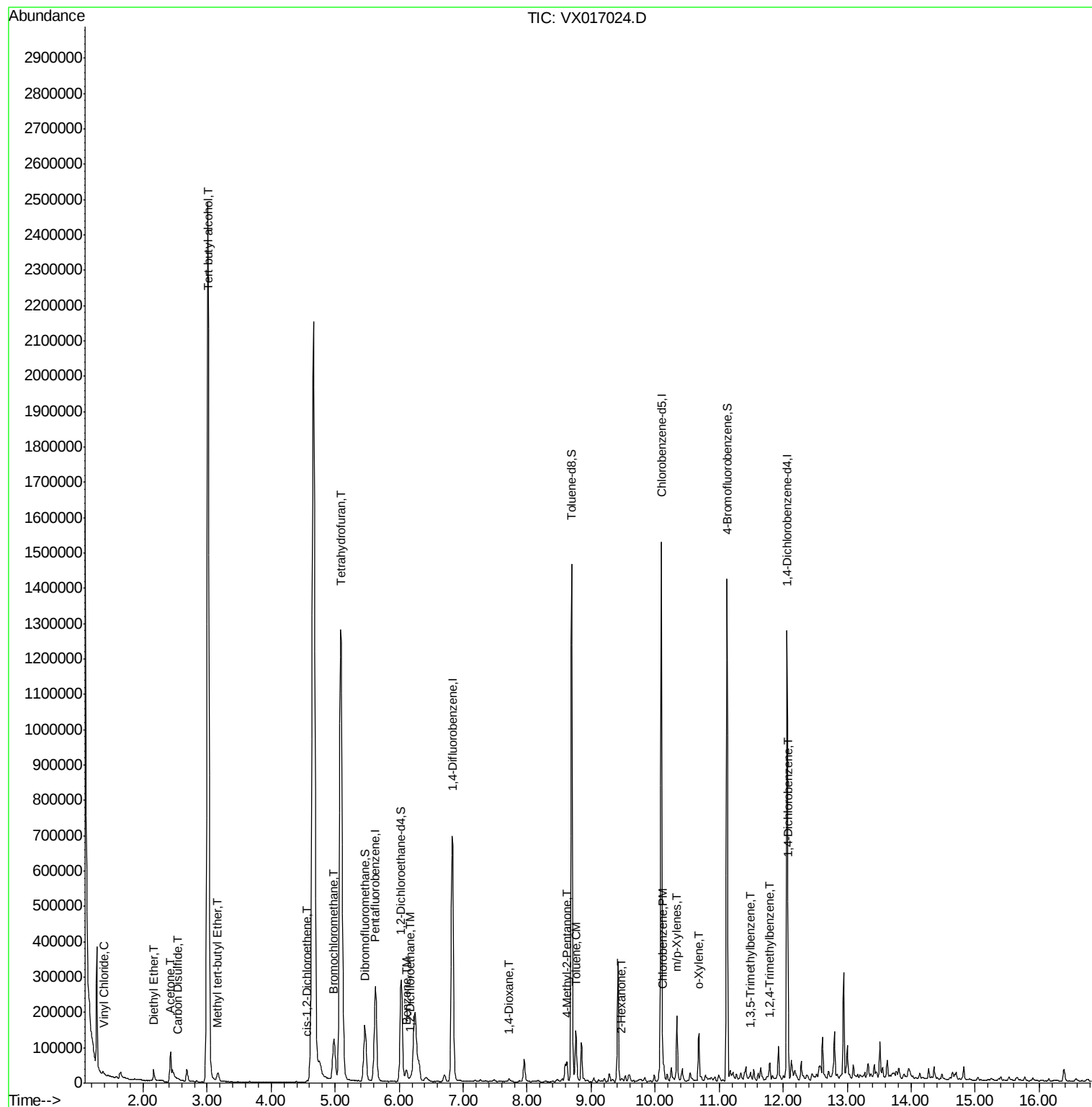
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062920\
Data File : VX017024.D
Acq On : 29 Jun 2020 21:57
Operator : JC/SP
Sample : L3146-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

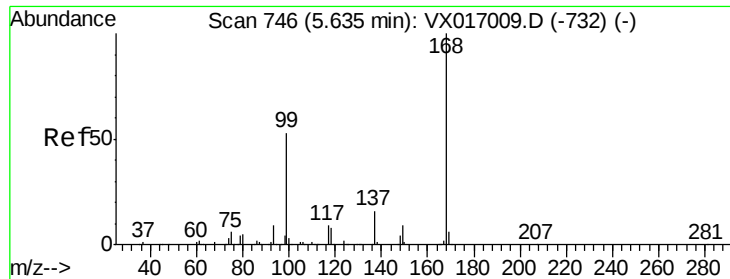
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

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Quant Time: Jun 30 06:32:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

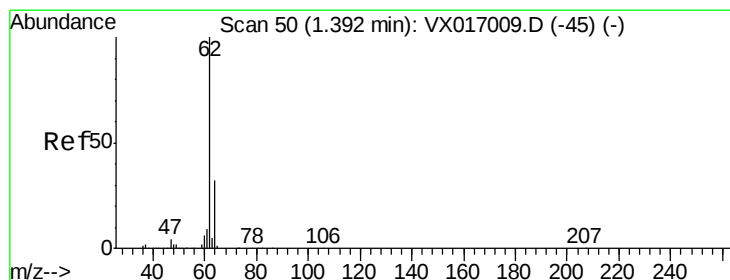
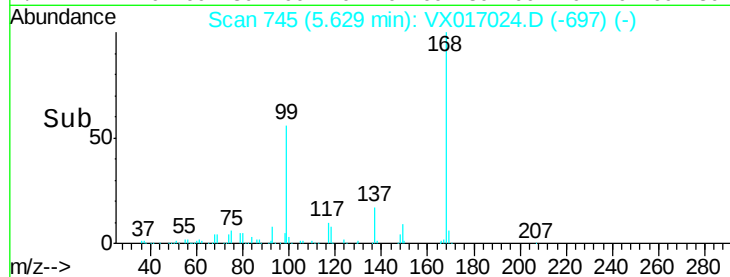
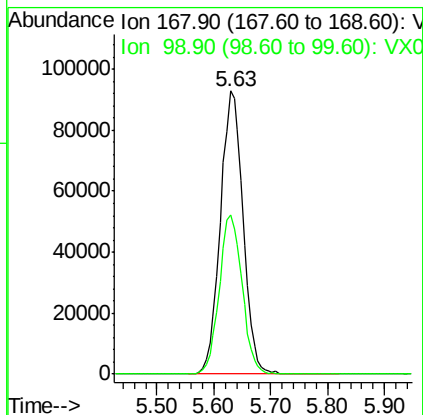
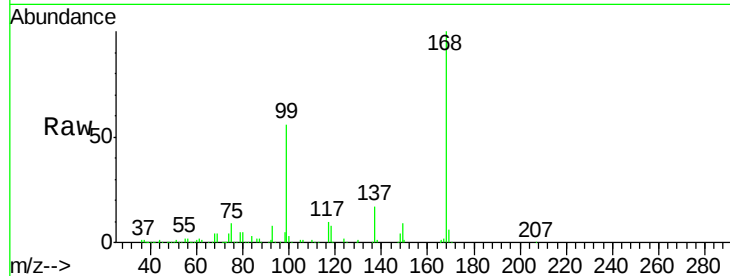
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
168	100	258574		
99	56.4		42.6	64.0

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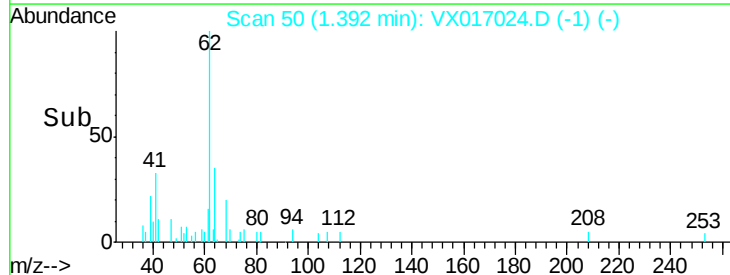
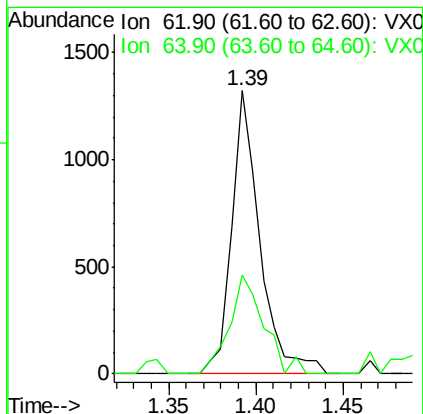
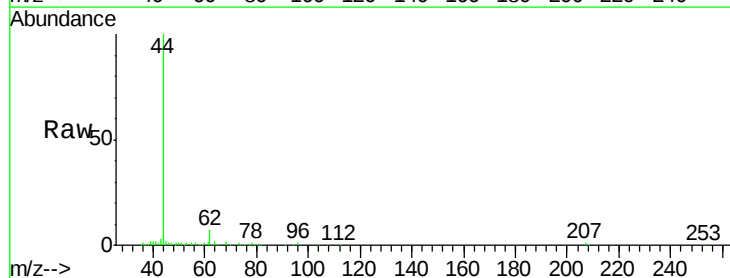
MMDadoda
 6/30/2020 10:12:02 AM

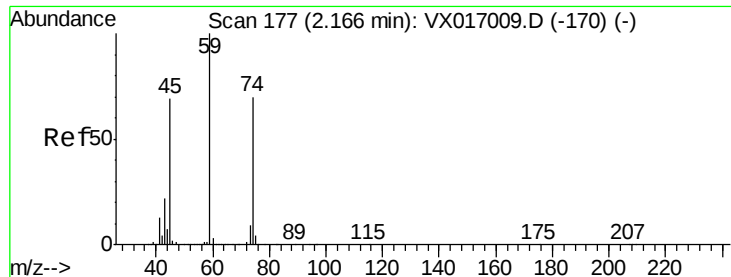


#4

Vinyl Chloride
 Concen: 0.530 ug/l
 RT: 1.39 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	1488		
64	35.2		25.9	38.9





#8

Diethyl Ether

Concen: 8.202 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion: 74 Resp: 11037

Ion Ratio Lower Upper

74 100

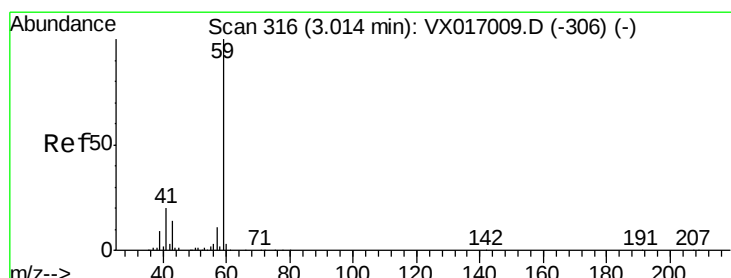
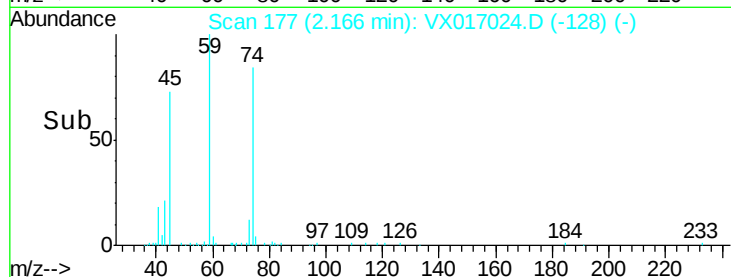
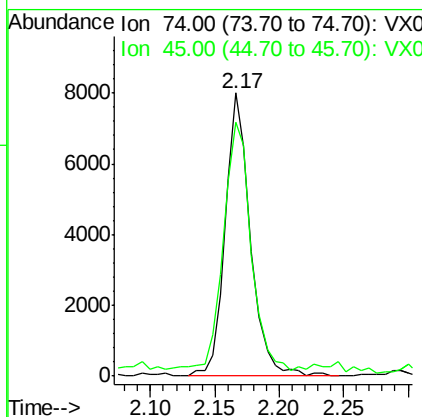
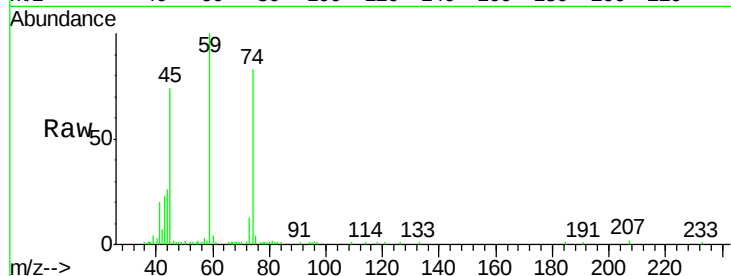
45 95.2 49.8 149.3

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#11

Tert butyl alcohol

Concen: 5147.117 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017024.D

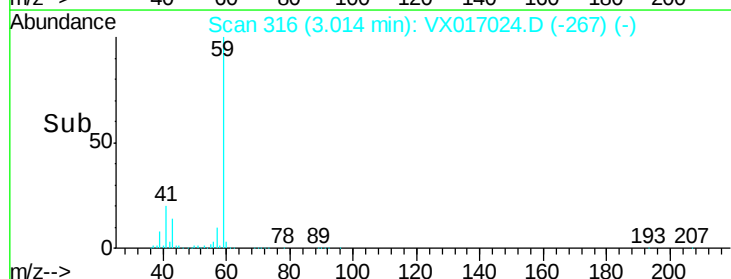
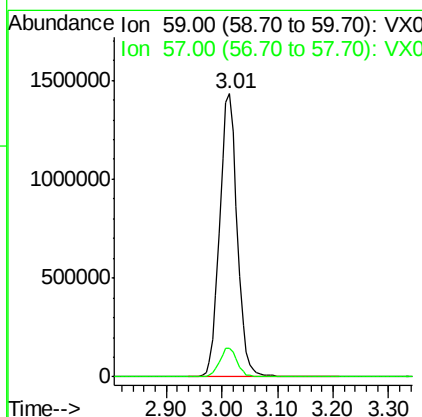
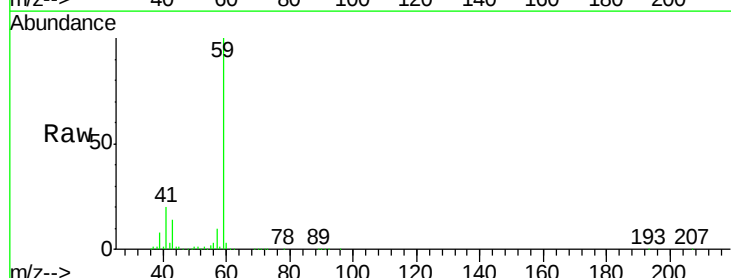
Acq: 29 Jun 2020 21:57

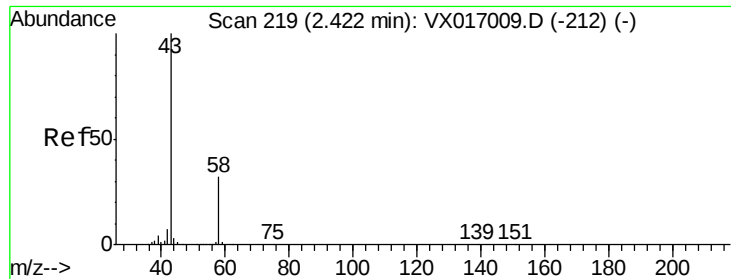
Tgt Ion: 59 Resp: 3130058

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2





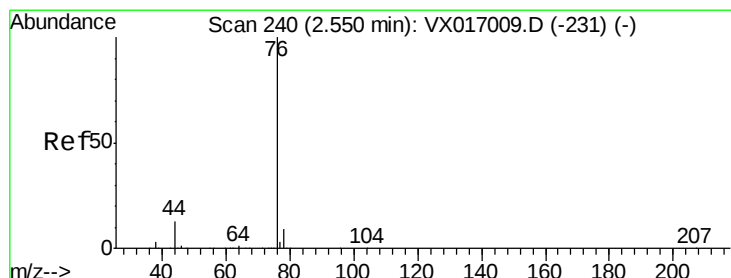
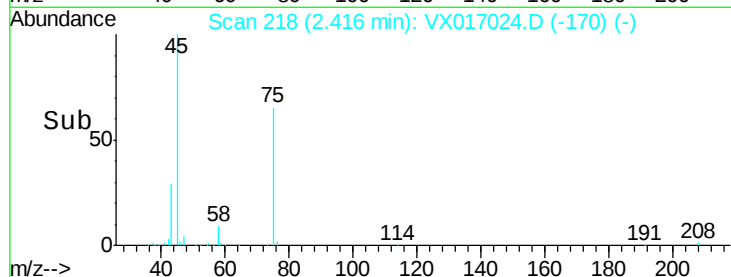
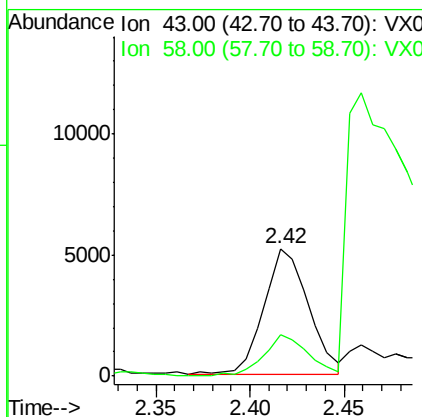
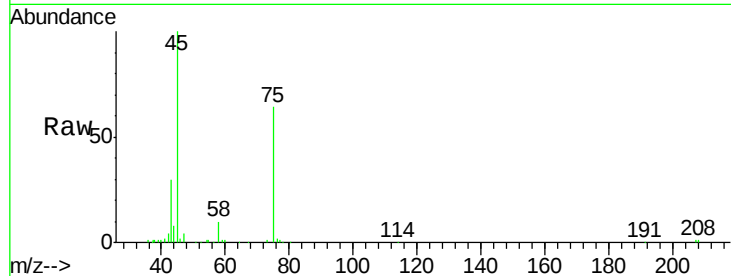
#16
Acetone
Concen: 7.057 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.7	38.5

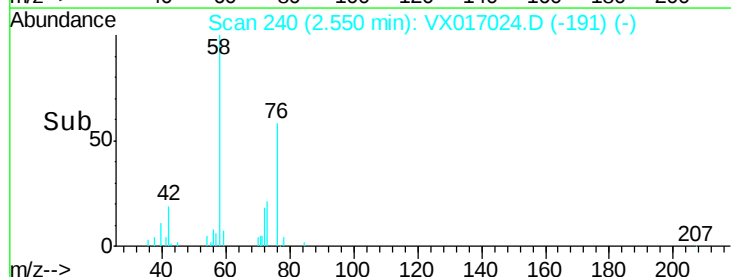
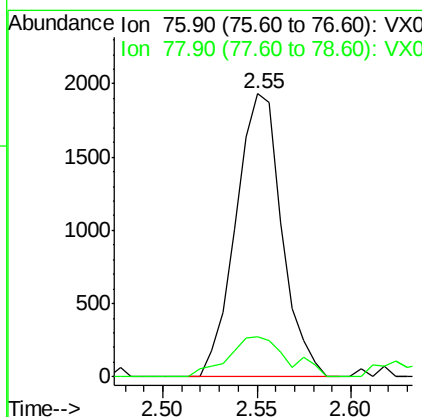
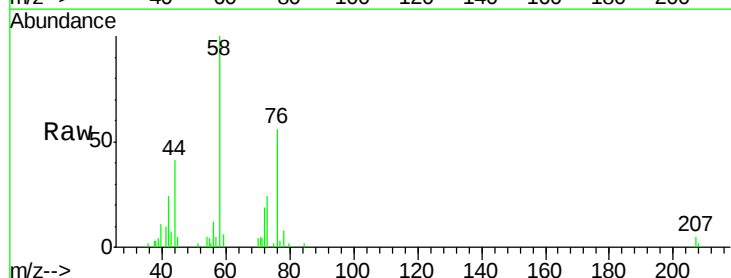
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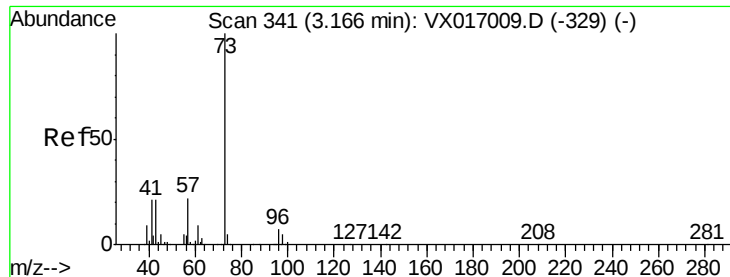
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#17
Carbon Disulfide
Concen: 0.481 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion	Ratio	Lower	Upper
76	100		
78	14.0	7.2	10.8





#19

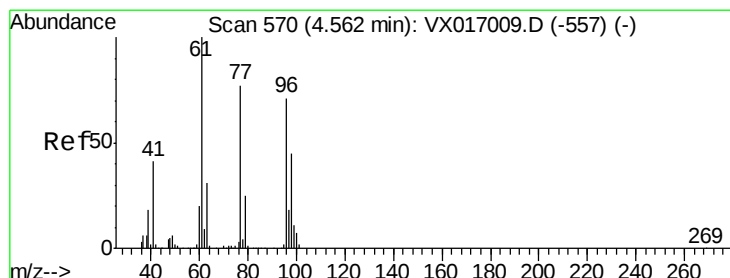
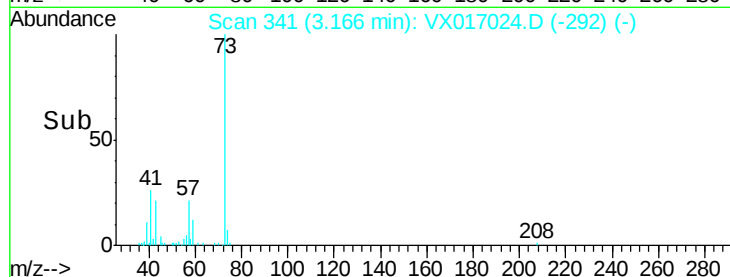
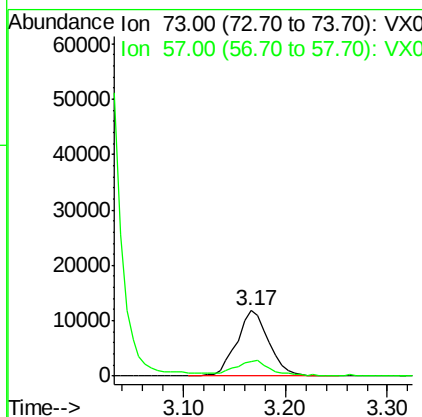
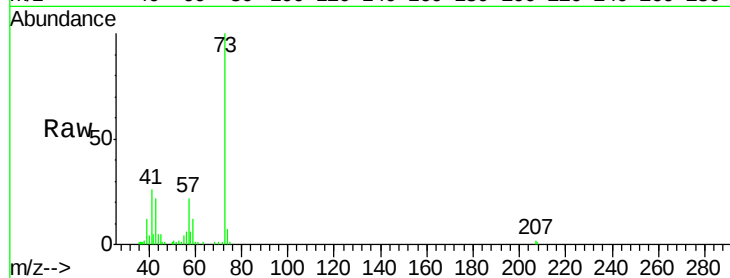
Methvl tert-butvl Ether
Concen: 2.975 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.6	26.4

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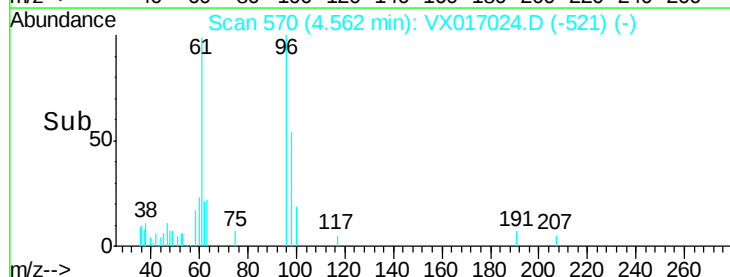
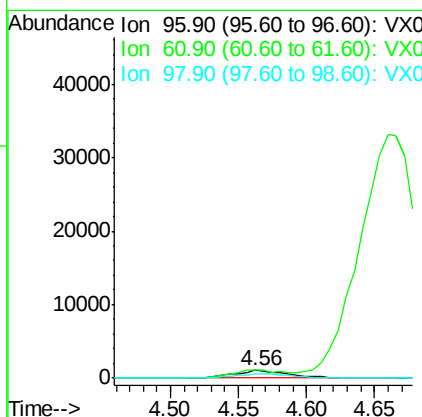
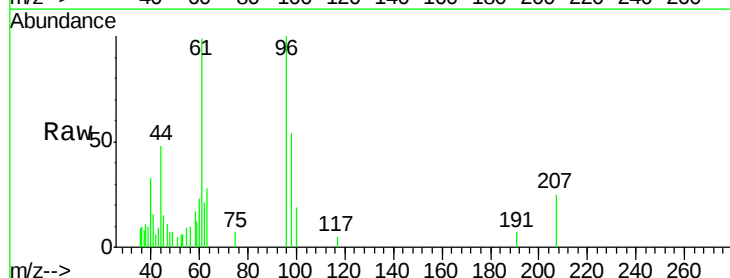
MMDadoda
6/30/2020 10:12:02 AM

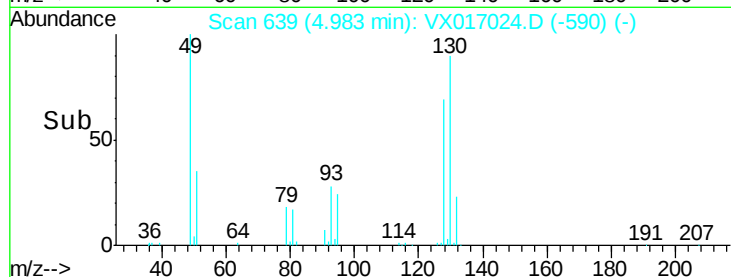
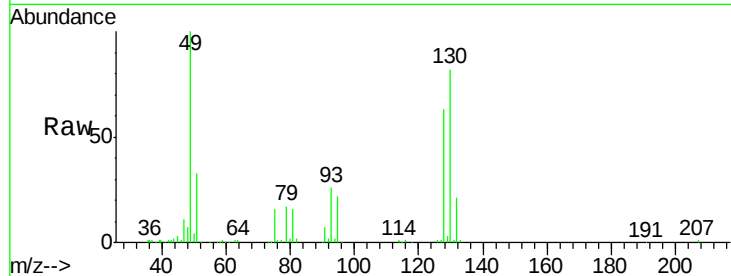
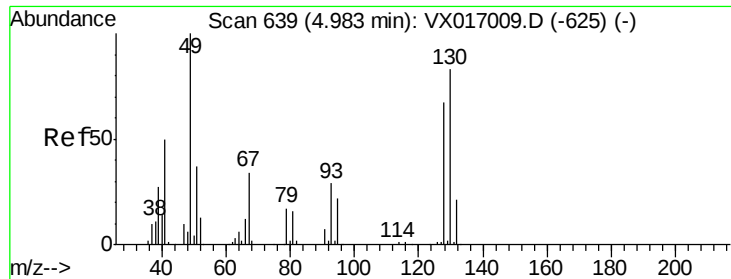


#27

cis-1,2-Dichloroethene
Concen: 0.892 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	107.5	0.0	282.8
98	60.4	0.0	127.6





#28

Bromochloromethane

Concen: 33.362 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX017024.D

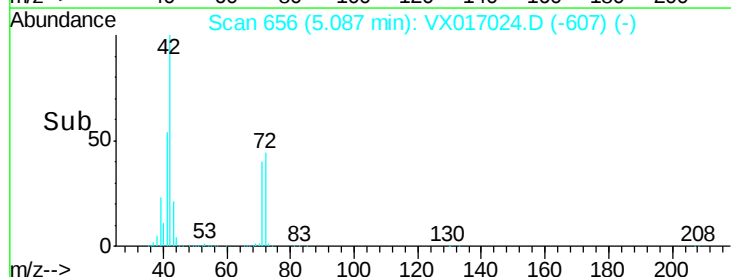
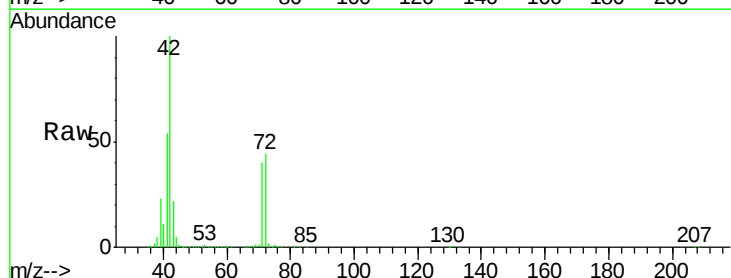
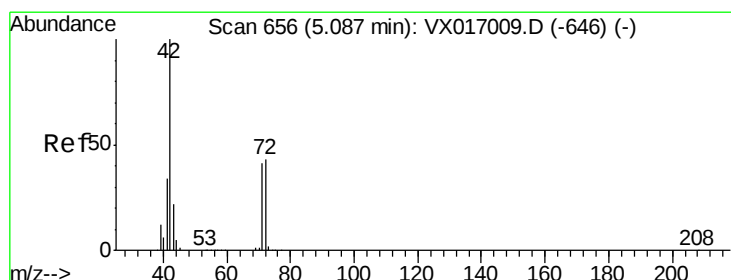
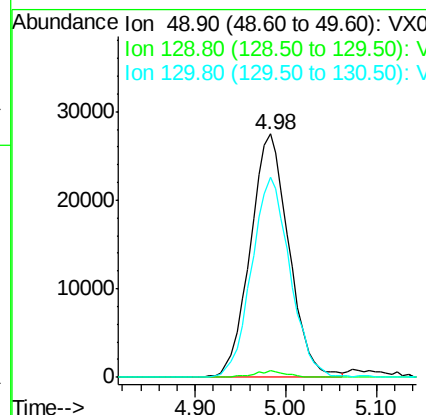
Acq: 29 Jun 2020 21:57

Tot Ion:	49	Resp:	80830
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	81.8	66.6	100.0

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

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#29

Tetrahydrofuran

Concen: 930.453 ug/l

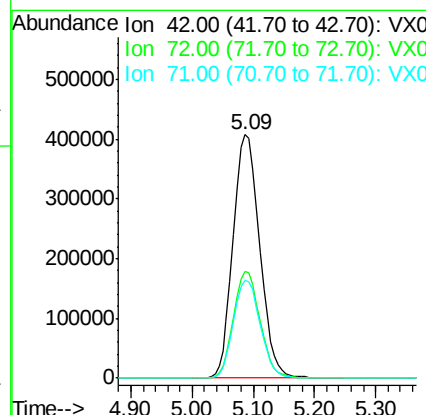
RT: 5.09 min Scan# 656

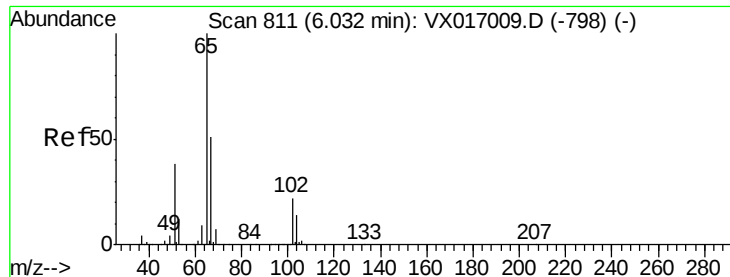
Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Tgt Ion:	42	Resp:	1221544
Ion Ratio	Lower	Upper	
42	100		
72	43.6	35.3	52.9
71	40.6	33.1	49.7





#33

1,2-Dichloroethane-d4

Concen: 86.336 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion: 65 Resp: 275212

Ion Ratio Lower Upper

65 100

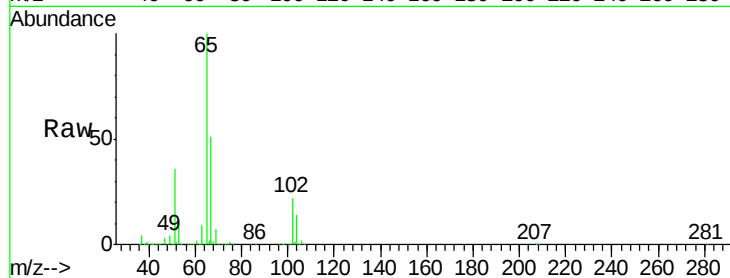
67 52.1 0.0 103.8

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

120000

100000

80000

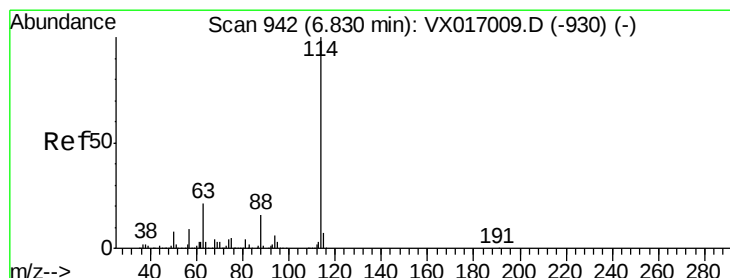
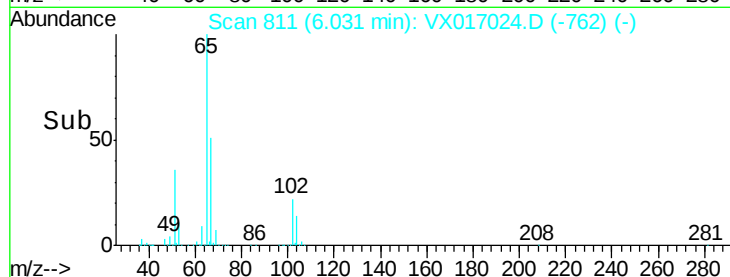
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

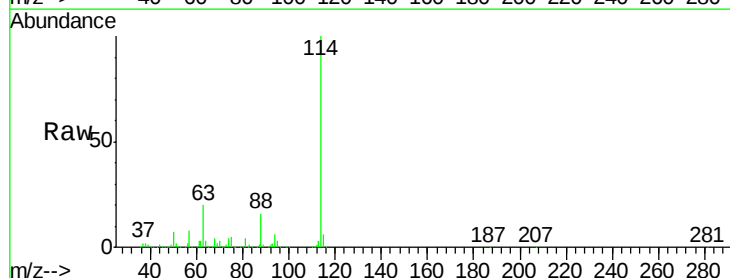
Tgt Ion: 114 Resp: 735134

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

88 15.8 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

400000

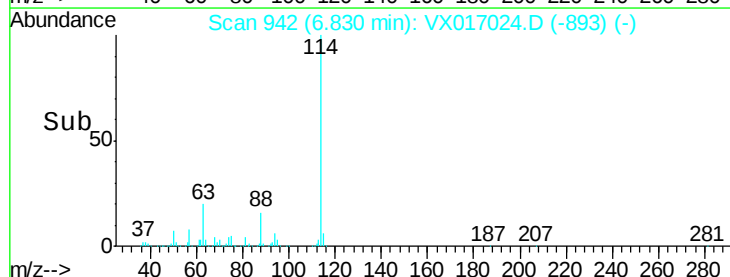
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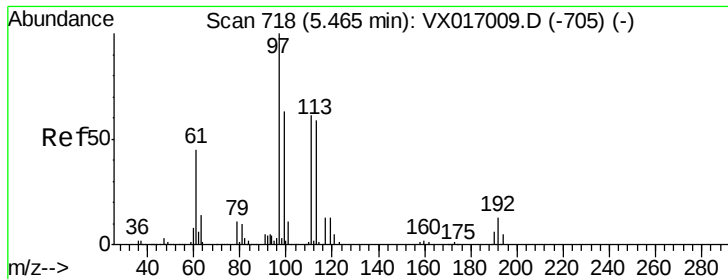
200000

100000

0

Time-->





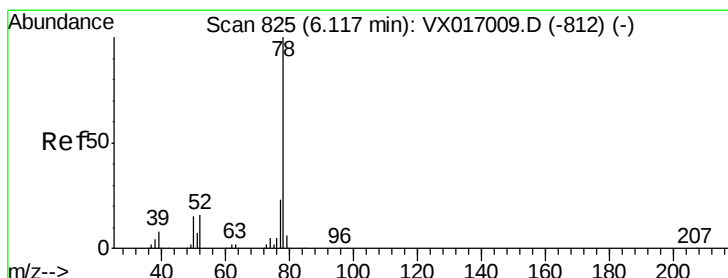
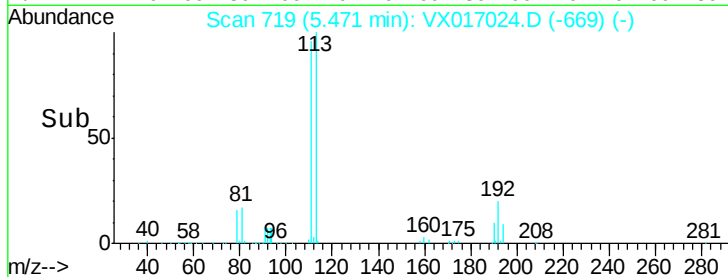
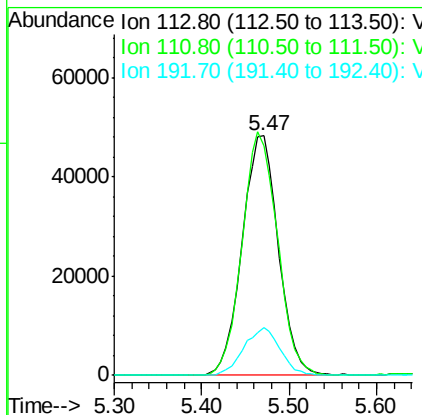
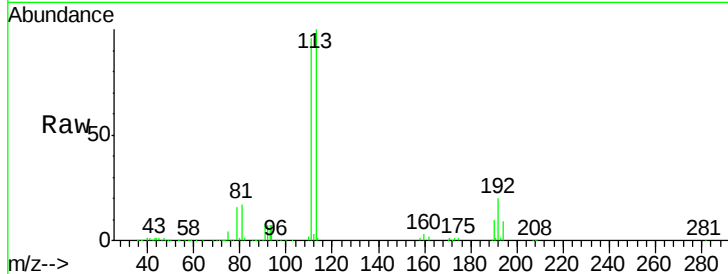
#35
 Dibromofluoromethane
 Concen: 29.847 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	81.9	122.9
192	20.0	16.7	25.1

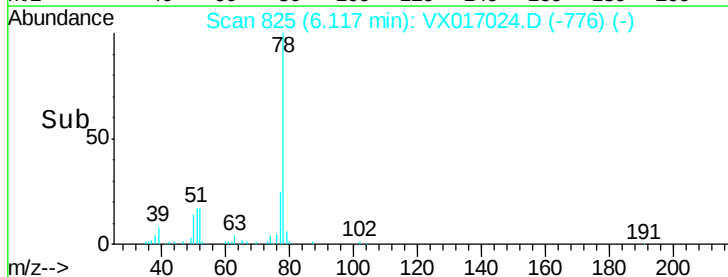
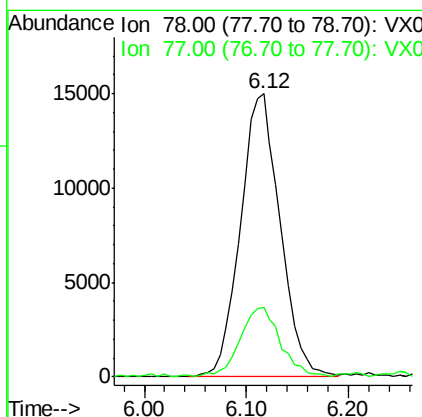
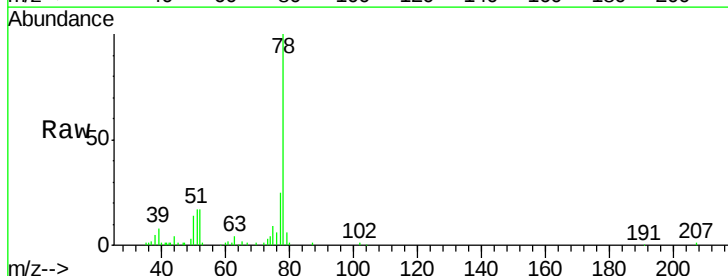
Manual Integrations
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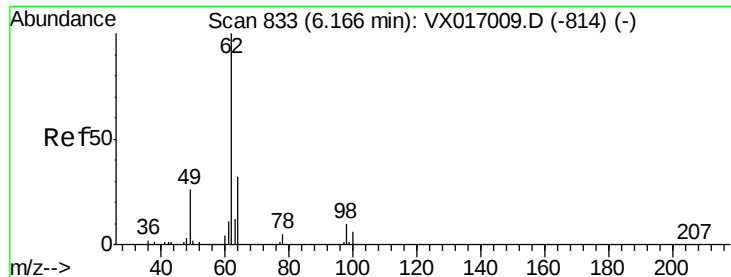
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 6/30/2020 10:12:02 AM



#40
 Benzene
 Concen: 1.988 ug/l
 RT: 6.12 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





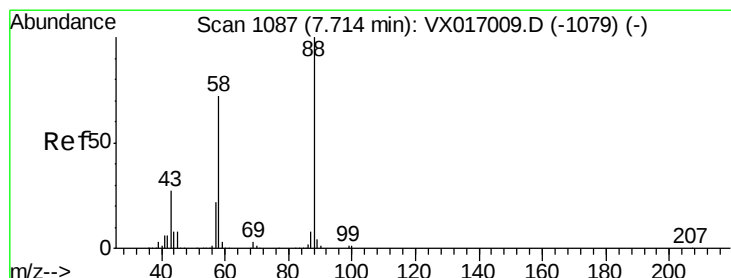
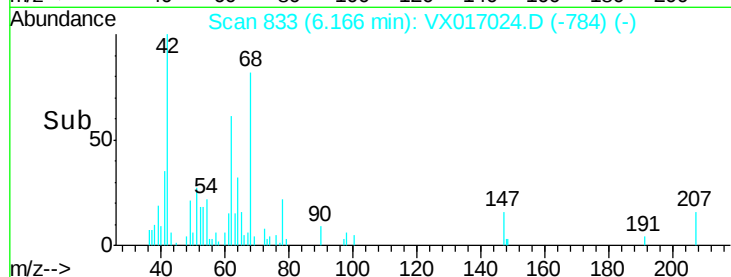
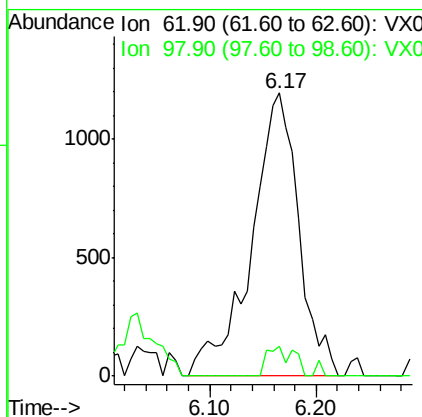
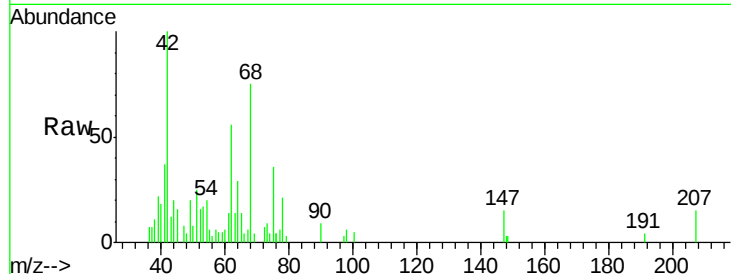
#42
 1,2-Dichloroethane
 Concen: 0.503 ug/l
 RT: 6.17 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
62	100	3706		
98	5.9	0.0	19.2	

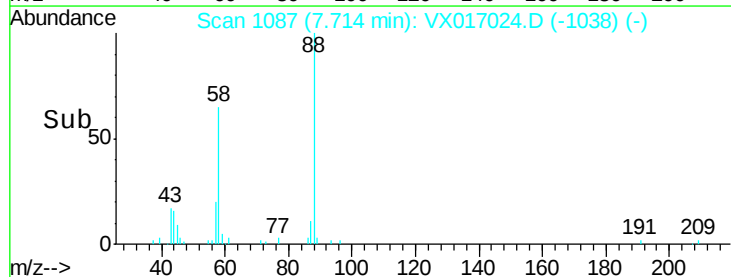
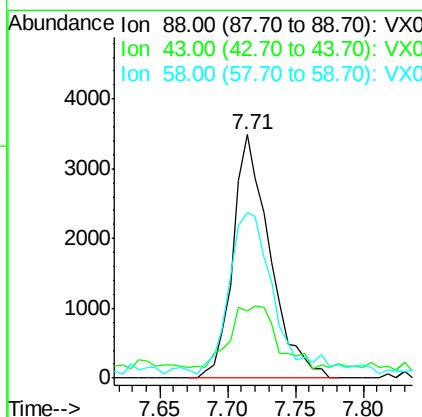
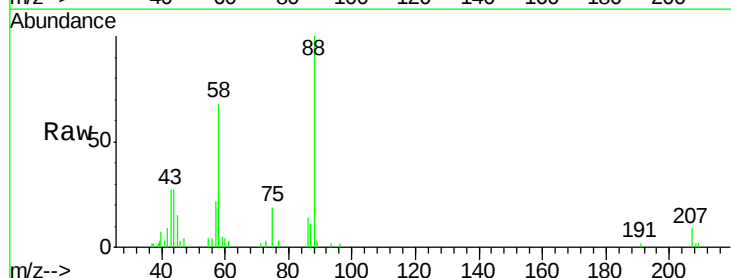
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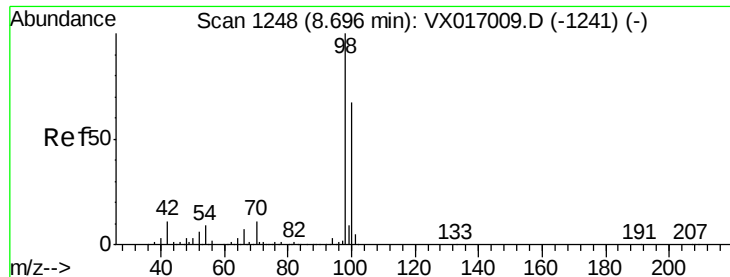
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#49
 1,4-Dioxane
 Concen: 52.371 ug/l
 RT: 7.71 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	6603		
43	31.2	25.8	38.8	
58	79.2	54.8	82.2	





#50

Toluene-d8

Concen: 49.975 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion: 98 Resp: 859357

Ion Ratio Lower Upper

98 100

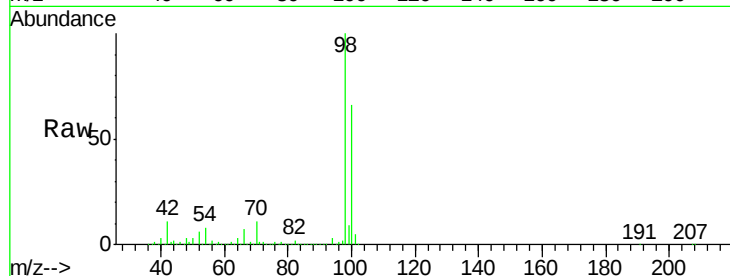
100 66.8 53.8 80.6

Manual Integrations

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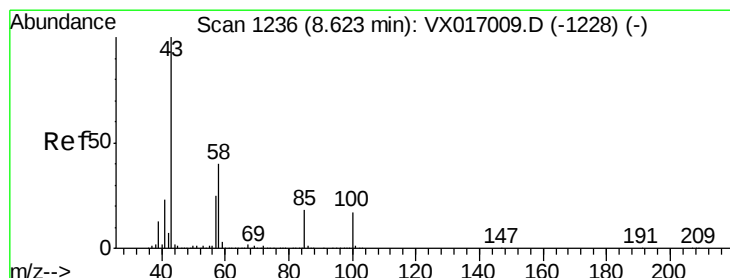
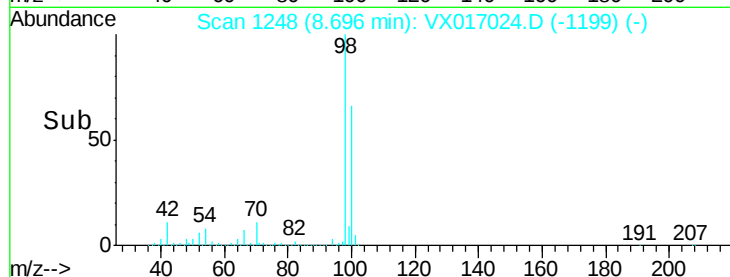
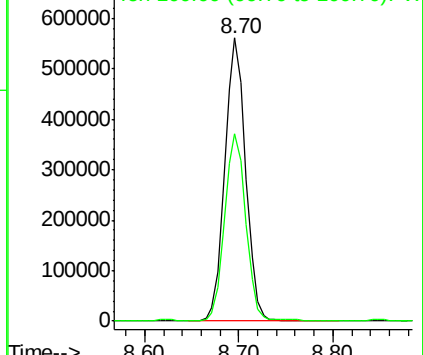
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 4.351 ug/l m

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017024.D

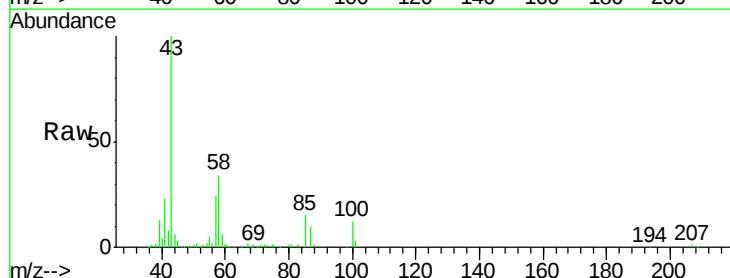
Acq: 29 Jun 2020 21:57

Tgt Ion: 43 Resp: 30384

Ion Ratio Lower Upper

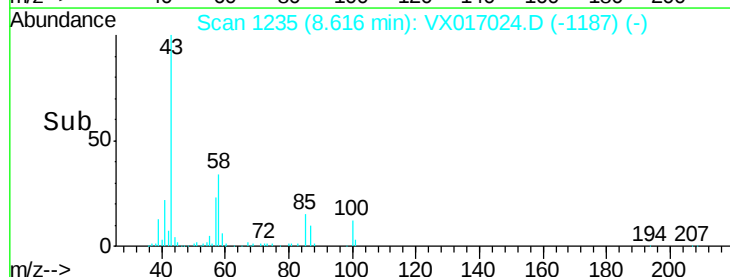
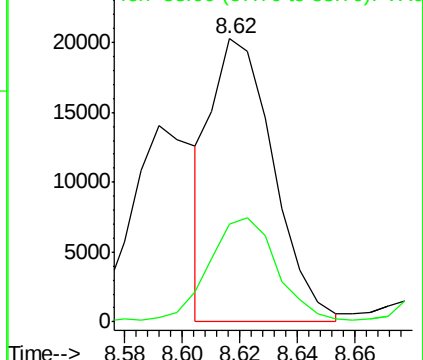
43 100

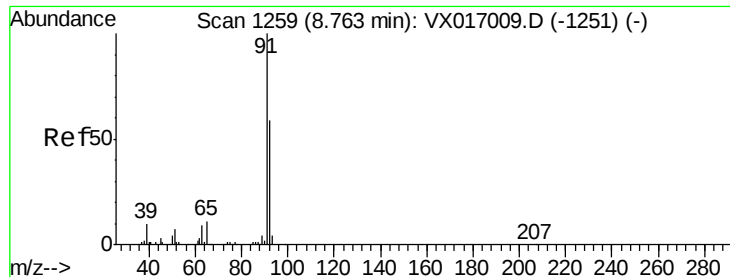
58 40.5 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 3.264 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion: 92 Resp: 41596

Ion Ratio Lower Upper

92 100

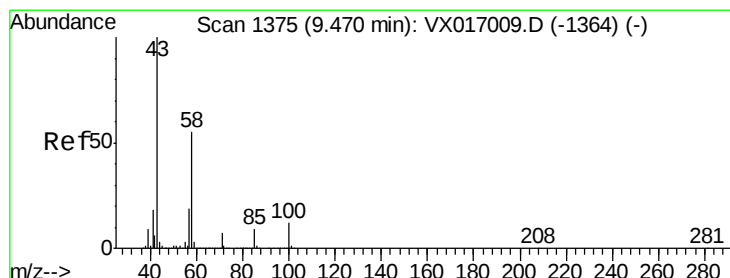
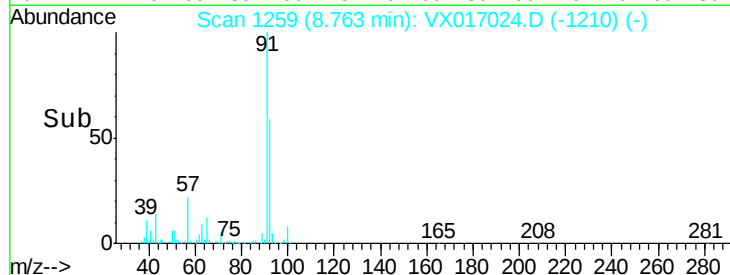
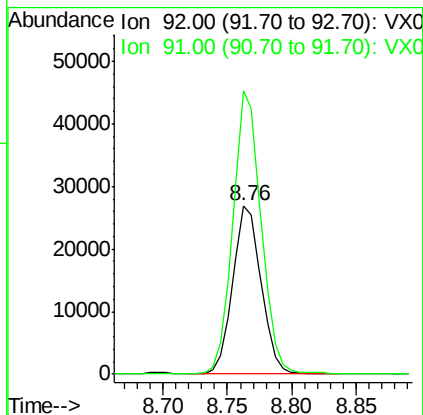
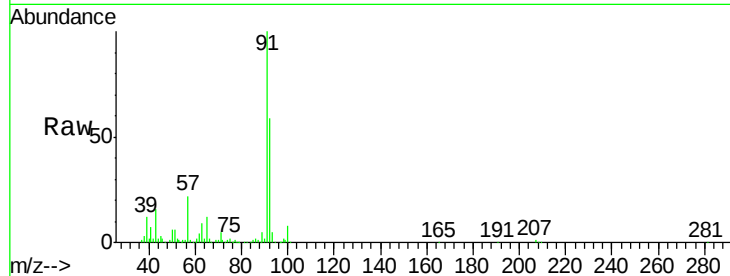
91 166.9 136.9 205.3

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#59

2-Hexanone

Concen: 1.186 ug/l m

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX017024.D

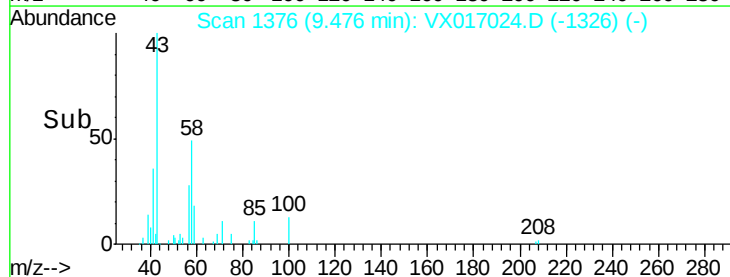
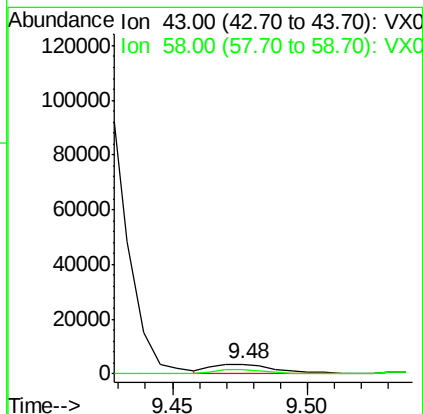
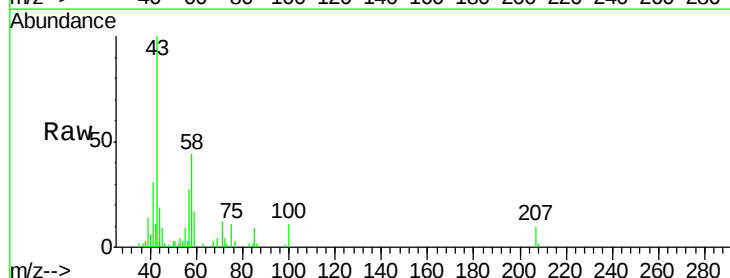
Acq: 29 Jun 2020 21:57

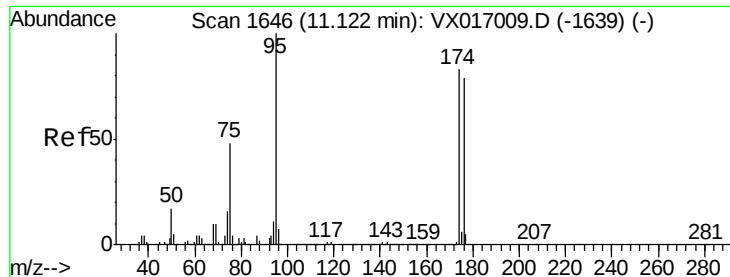
Tgt Ion: 43 Resp: 6049

Ion Ratio Lower Upper

43 100

58 81.1 27.9 83.6





#62

4-Bromofluorobenzene

Concen: 55.178 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

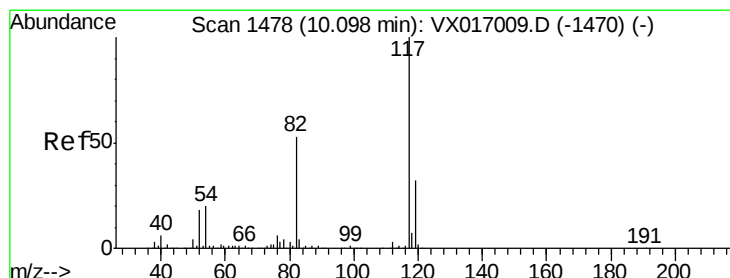
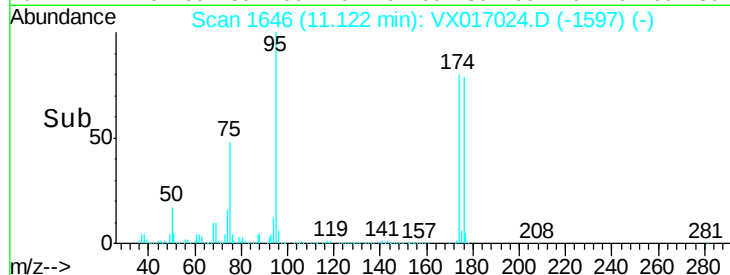
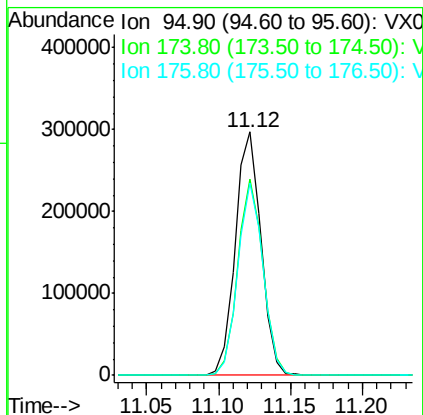
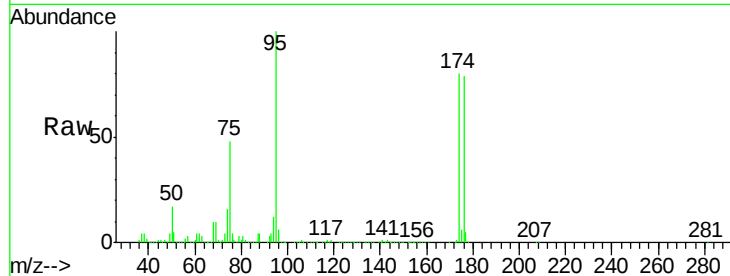
ClientSampleId :

200624026-02-VOA

Tot Ion:	95	Resp:	370907
Ion Ratio	Lower	Upper	
95	100		
174	78.9	0.0	164.0
176	77.3	0.0	157.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

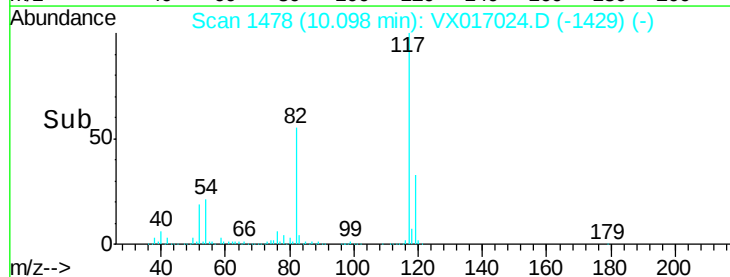
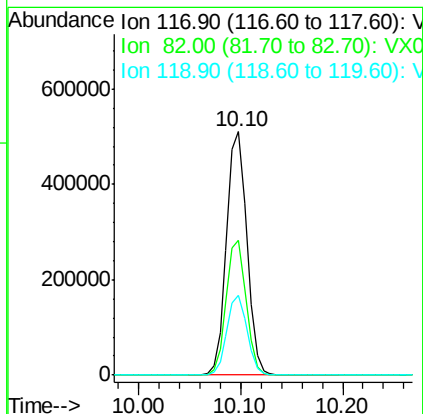
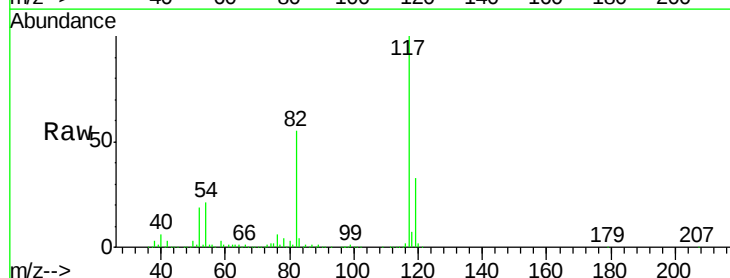
RT: 10.10 min Scan# 1478

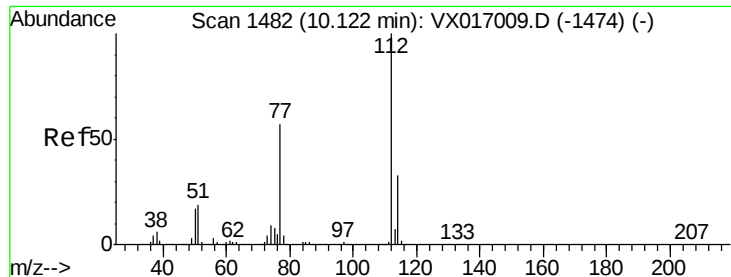
Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Tgt Ion:	117	Resp:	704255
Ion Ratio	Lower	Upper	
117	100		
82	55.2	42.6	63.8
119	32.8	25.4	38.2





#65

Chlorobenzene

Concen: 0.519 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion:112 Resp: 7549

Ion Ratio Lower Upper

112 100

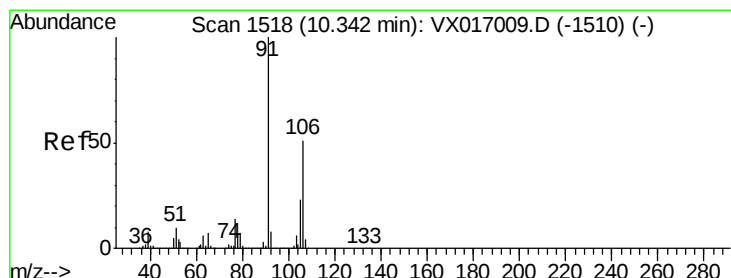
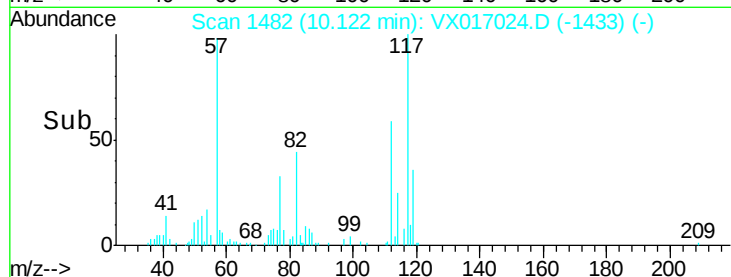
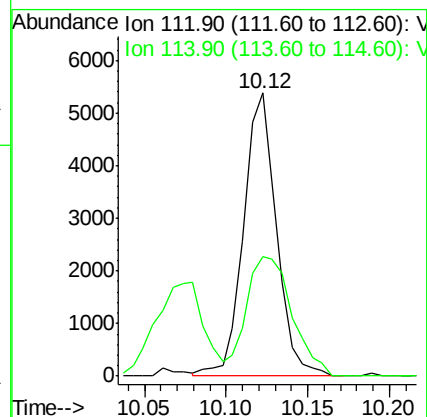
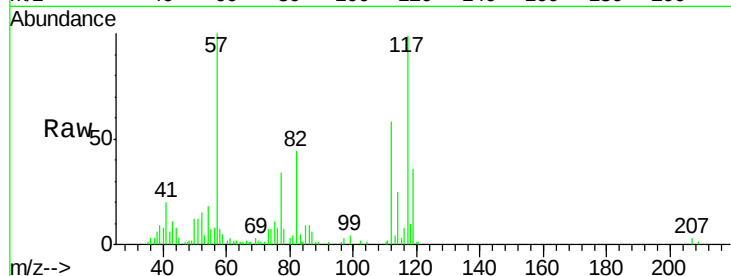
114 42.3 26.2 39.4#

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#68

m/p-Xylenes

Concen: 4.341 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017024.D

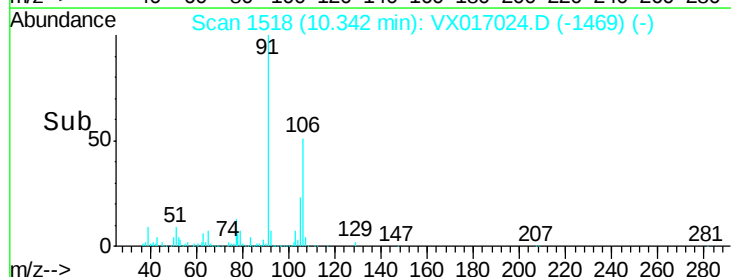
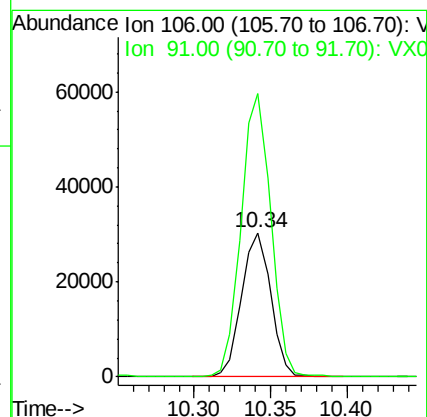
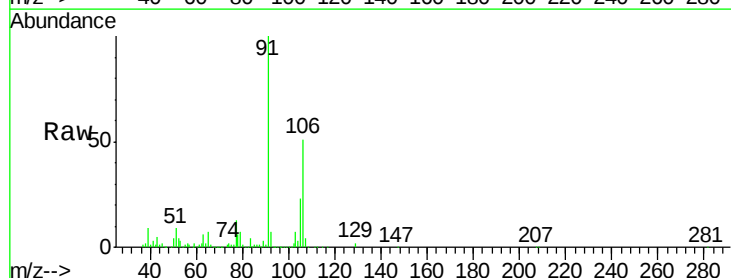
Acq: 29 Jun 2020 21:57

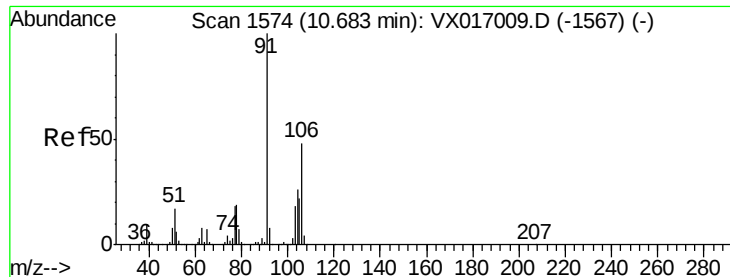
Tgt Ion:106 Resp: 40457

Ion Ratio Lower Upper

106 100

91 198.5 158.6 238.0





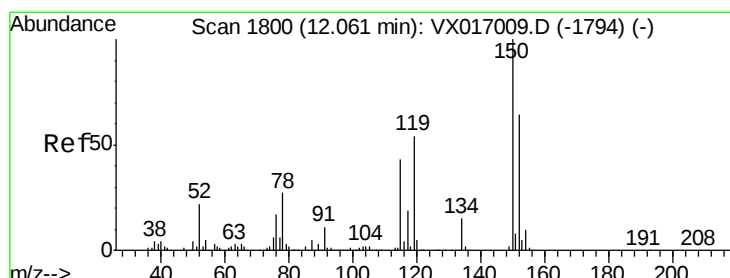
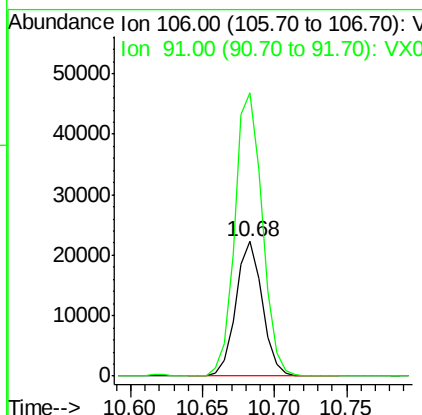
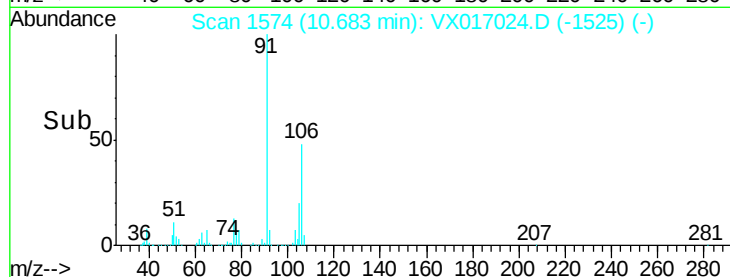
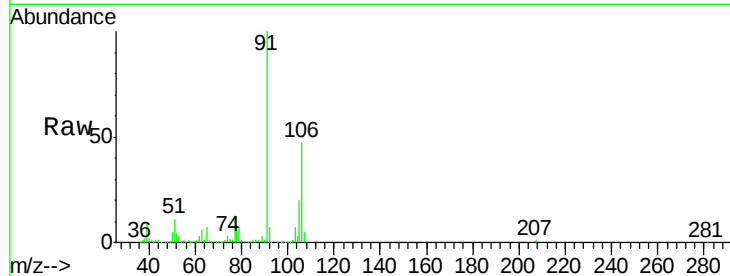
#69
o-Xylene
Concen: 3.239 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.5	105.6	316.7

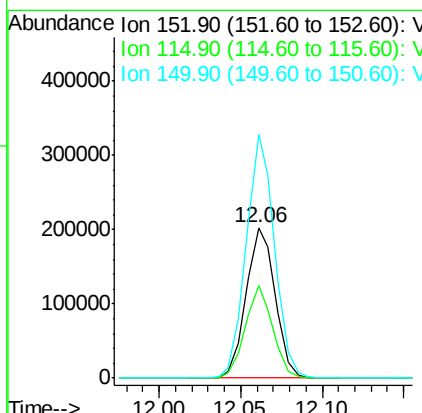
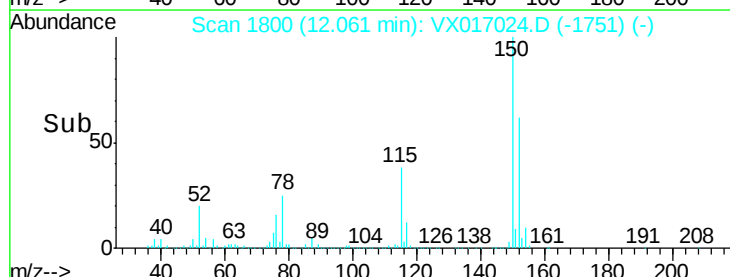
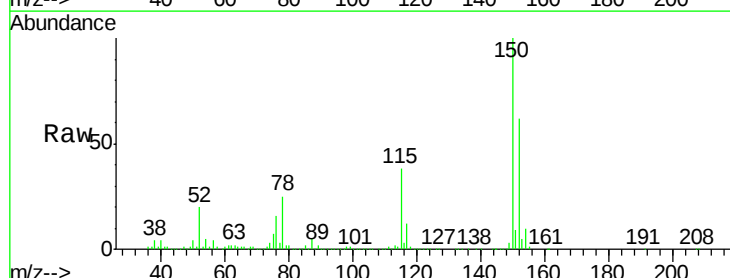
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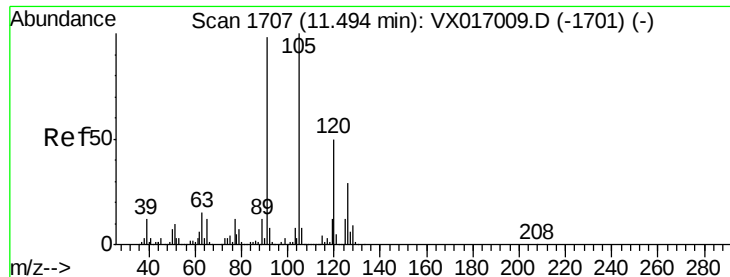
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	40.9	122.7
150	157.9	0.0	351.6





#80

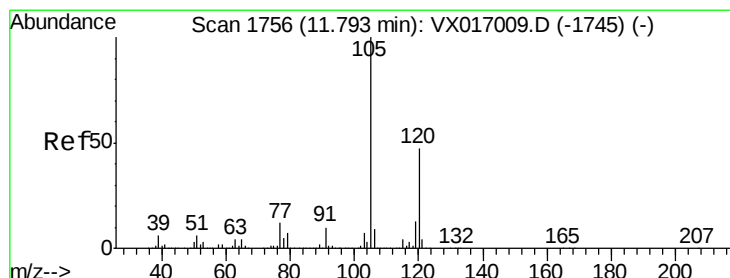
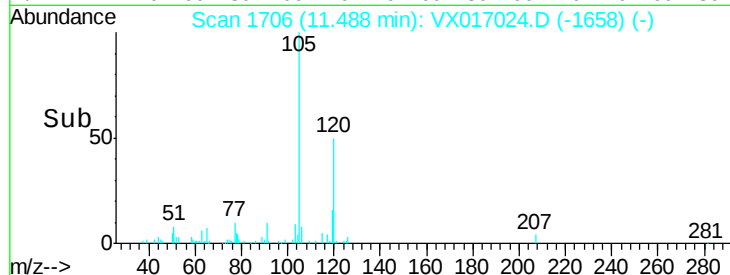
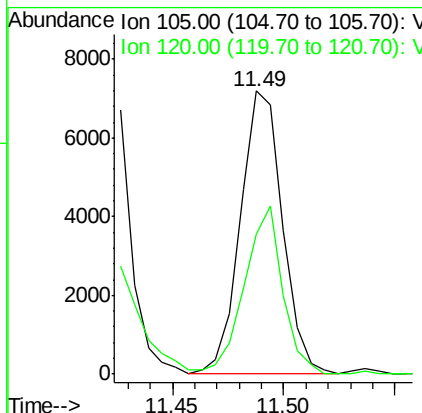
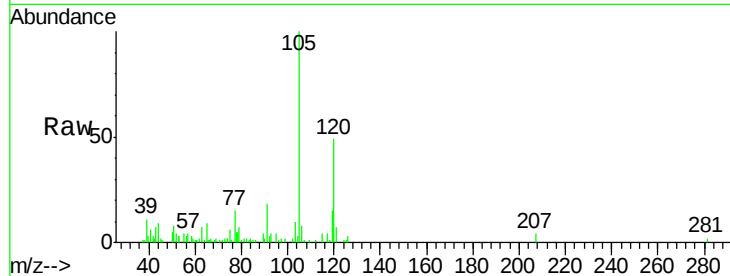
1,3,5-Trimethylbenzene
Concen: 0.695 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion	Ratio	Lower	Upper
105	100		
120	54.0	24.9	74.6

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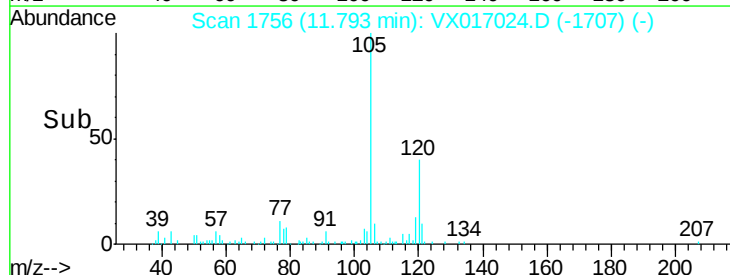
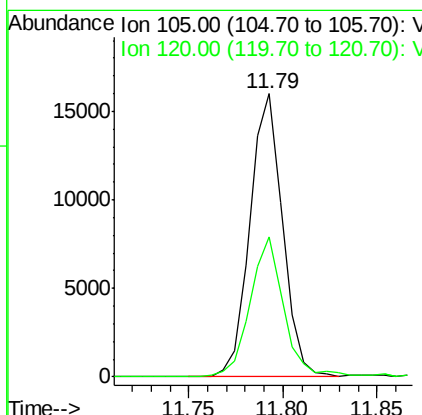
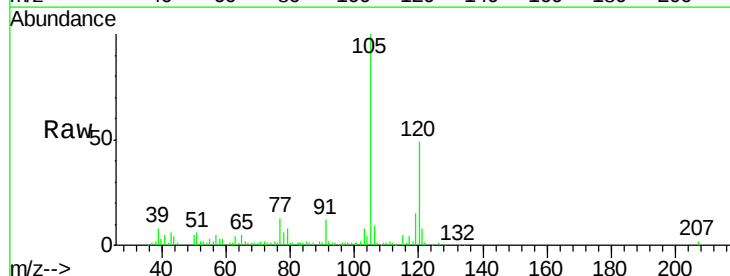
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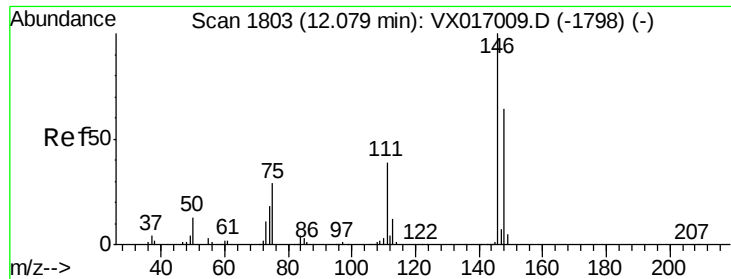


#84

1,2,4-Trimethylbenzene
Concen: 1.382 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.3	22.9	68.5





#88
 1,4-Dichlorobenzene
 Concen: 2.665 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Tot Ion:	146	Resp:	22081
Ion Ratio	Lower	Upper	
146	100		
111	55.3	19.5	58.5
148	66.7	31.9	95.7

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 6/30/2020 10:12:02 AM

