

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082218\
 Data File : VX004198.D
 Acq On : 22 Aug 2018 14:39
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX082218

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 9:40:14 AM

Quant Time: Aug 23 06:44:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	330173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	466738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	446711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	269629	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	202844	47.14	ug/l	0.00
Spiked Amount						
			Recovery	=	94.28%	
35) Dibromofluoromethane	5.49	113	172135	49.57	ug/l	0.00
Spiked Amount						
			Recovery	=	99.14%	
50) Toluene-d8	8.71	98	665243	50.76	ug/l	0.00
Spiked Amount						
			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.14	95	230377	47.11	ug/l	0.00
Spiked Amount						
			Recovery	=	94.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	215088	56.24	ug/l	98
3) Chloromethane	1.32	50	214869	50.83	ug/l	100
4) Vinyl Chloride	1.40	62	225700	52.17	ug/l	99
5) Bromomethane	1.64	94	124443	58.71	ug/l	99
6) Chloroethane	1.71	64	144595	47.09	ug/l	97
7) Trichlorofluoromethane	1.93	101	302667	51.05	ug/l	94
8) Diethyl Ether	2.18	74	129689	51.09	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	188793	50.84	ug/l	100
10) Methyl Iodide	2.51	142	202693	48.51	ug/l	99
11) Tert butyl alcohol	3.06	59	220806	240.71	ug/l	100
12) 1,1-Dichloroethene	2.37	96	174727	49.95	ug/l	96
13) Acrolein	2.29	56	49941	225.82	ug/l	98
14) Allyl chloride	2.73	41	328711	51.15	ug/l	100
15) Acrylonitrile	3.14	53	543838	239.39	ug/l	99
16) Acetone	2.44	43	462581	263.77	ug/l	100
17) Carbon Disulfide	2.57	76	499017	51.35	ug/l	99
18) Methyl Acetate	2.77	43	321979	50.42	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	589560	51.15	ug/l	97
20) Methylene Chloride	2.85	84	199951	48.27	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	191726	49.52	ug/l	98
22) Diisopropyl ether	3.87	45	615757	51.32	ug/l	97
23) Vinyl Acetate	3.82	43	2561303	263.37	ug/l	100
24) 1,1-Dichloroethane	3.69	63	353353	50.53	ug/l	99
25) 2-Butanone	4.70	43	722932	250.72	ug/l	99
26) 2,2-Dichloropropane	4.58	77	288030	52.52	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	222509	50.67	ug/l	99
28) Bromochloromethane	5.01	49	136668	44.15	ug/l	98
29) Tetrahydrofuran	5.15	42	457688	247.54	ug/l	99
30) Chloroform	5.21	83	350001	49.92	ug/l	100
31) Cyclohexane	5.57	56	314937	52.20	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	299526	51.23	ug/l	100
36) 1,1-Dichloropropene	5.79	75	274987	52.41	ug/l	99
37) Ethyl Acetate	4.85	43	267670	51.87	ug/l	100
38) Carbon Tetrachloride	5.78	117	263564	53.40	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	326156	54.44	ug/l	99
40) Benzene	6.14	78	823960	52.55	ug/l	99
41) Methacrylonitrile	5.06	41	156316	52.26	ug/l	99
42) 1,2-Dichloroethane	6.20	62	275523	51.52	ug/l	100
43) Isopropyl Acetate	6.46	43	427289	53.89	ug/l	100
44) Trichloroethene	7.21	130	223220	51.43	ug/l	97
45) 1,2-Dichloropropane	7.51	63	208103	53.03	ug/l	96
46) Dibromomethane	7.66	93	134654	51.54	ug/l	99
47) Bromodichloromethane	7.90	83	263159	54.13	ug/l	98
48) Methyl methacrylate	7.77	41	232081	54.70	ug/l	99
49) 1,4-Dioxane	7.75	88	99613	1034.03	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1440690	250.05	ug/l	100
52) Toluene	8.78	92	527490	53.75	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	302508	56.33	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	331104	56.61	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	209466	52.87	ug/l	99
56) Ethyl methacrylate	9.18	69	306588	56.85	ug/l	100
57) 1,3-Dichloropropane	9.37	76	354320	53.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	784507	283.88	ug/l	100
59) 2-Hexanone	9.49	43	1115386	253.76	ug/l	100
60) Dibromochloromethane	9.59	129	211983	54.92	ug/l	100
61) 1,2-Dibromoethane	9.67	107	221172	53.94	ug/l	99
64) Tetrachloroethene	9.34	164	211825	48.00	ug/l	99
65) Chlorobenzene	10.14	112	582093	51.92	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	200069	51.74	ug/l	99
67) Ethyl Benzene	10.25	91	962103	52.84	ug/l	99
68) m/p-Xylenes	10.36	106	776054	109.00	ug/l	98
69) o-Xylene	10.70	106	357973	53.16	ug/l	98
70) Styrene	10.71	104	602902	55.29	ug/l	99
71) Bromoform	10.86	173	159435	51.15	ug/l	97
73) Isopropylbenzene	11.02	105	941261	53.15	ug/l	99
74) N-amyl acetate	10.90	43	370088	54.28	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	304898	49.20	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	264868m	48.30	ug/l	
77) Bromobenzene	11.26	156	246032	49.53	ug/l	99
78) n-propylbenzene	11.36	91	1041152	51.12	ug/l	100
79) 2-Chlorotoluene	11.42	91	631360	50.36	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	767333	52.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	95527	56.52	ug/l	96
82) 4-Chlorotoluene	11.51	91	723435	49.04	ug/l	98
83) tert-Butylbenzene	11.77	119	779506	52.83	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	857306	56.95	ug/l	99
85) sec-Butylbenzene	11.94	105	962794	54.96	ug/l	99
86) p-Isopropyltoluene	12.07	119	886136	56.44	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	472908	50.56	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	503722	51.08	ug/l	98
89) n-Butylbenzene	12.39	91	794725	62.25	ug/l	98
90) Hexachloroethane	12.60	117	130192	59.33	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	480204	56.18	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	63682	58.34	ug/l	99

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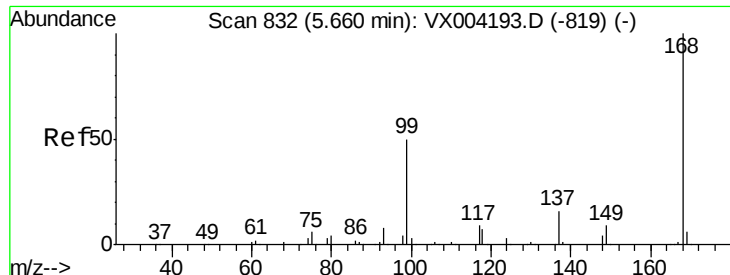
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	359602	57.82	ug/l	97
94) Hexachlorobutadiene	13.79	225	158097	54.65	ug/l	97
95) Naphthalene	13.83	128	1012720	57.57	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	358237	54.41	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion:168 Resp: 330173

Ion Ratio Lower Upper

168 100

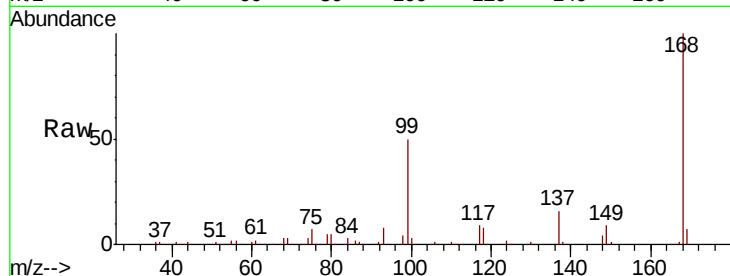
99 49.4 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

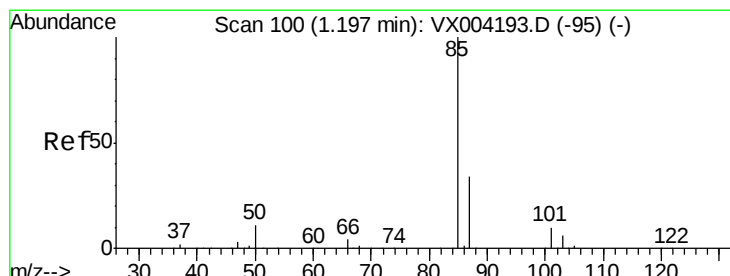
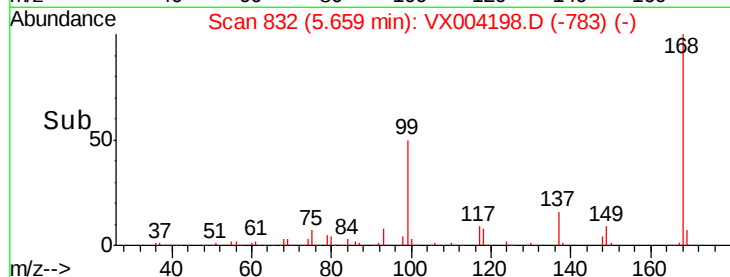
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50000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 56.24 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX004198.D

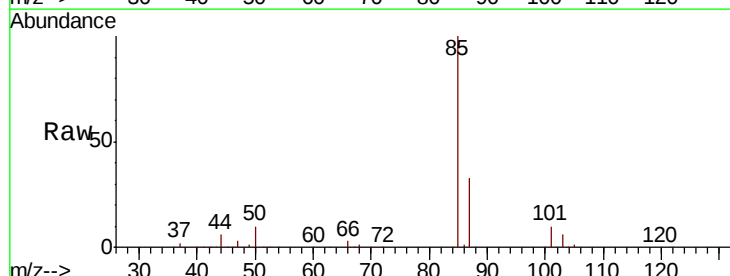
Acq: 22 Aug 2018 14:39

Tgt Ion: 85 Resp: 215088

Ion Ratio Lower Upper

85 100

87 32.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

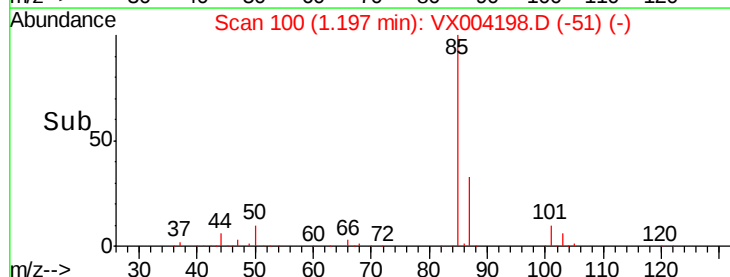
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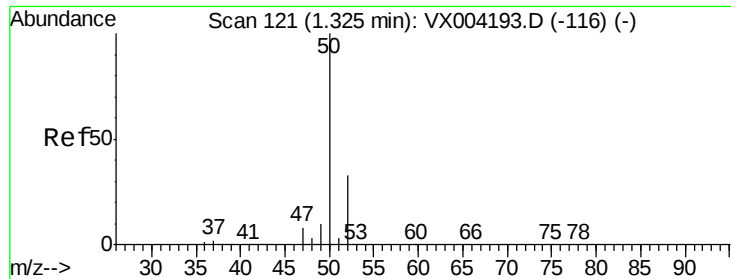
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 50.83 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 50 Resp: 214869

Ion Ratio Lower Upper

50 100

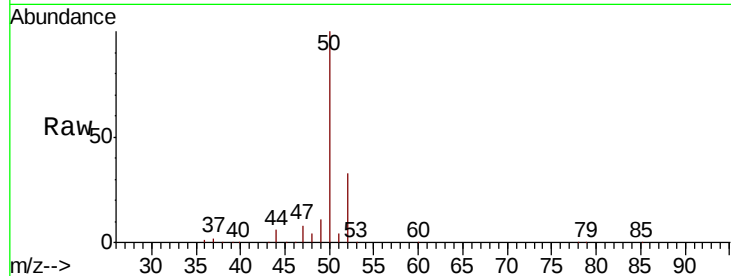
52 32.6 26.2 39.2

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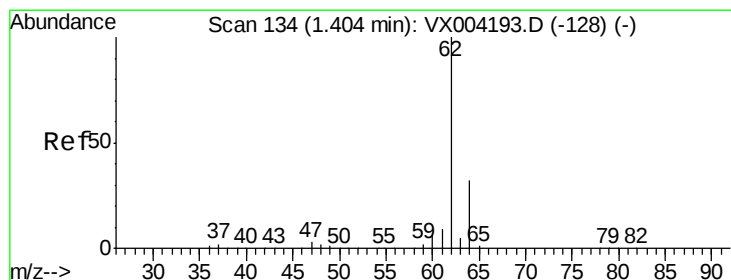
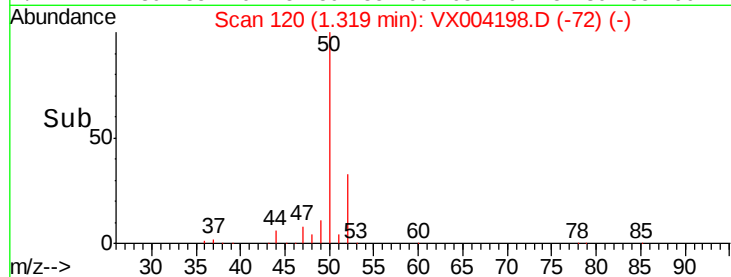
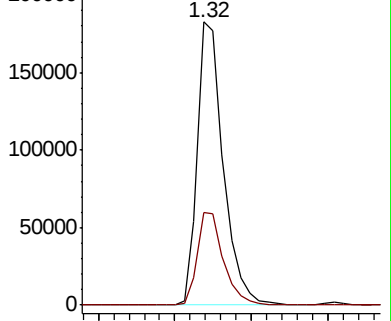
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.17 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004198.D

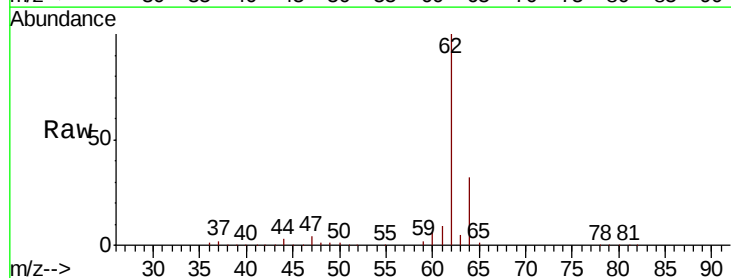
Acq: 22 Aug 2018 14:39

Tgt Ion: 62 Resp: 225700

Ion Ratio Lower Upper

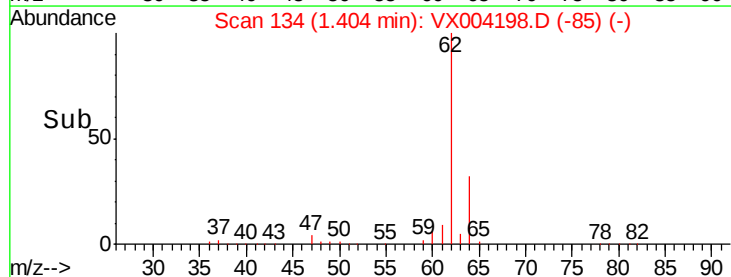
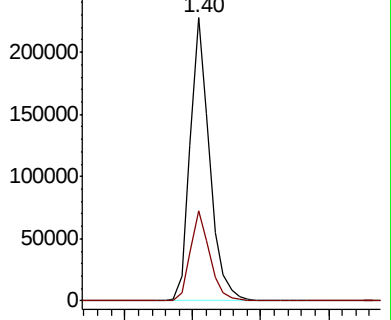
62 100

64 31.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 58.71 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 94 Resp: 124443

Ion Ratio Lower Upper

94 100

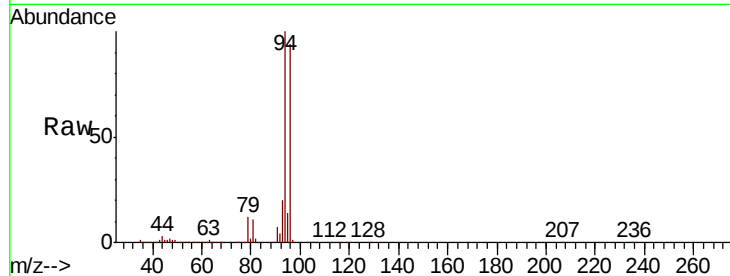
96 93.6 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

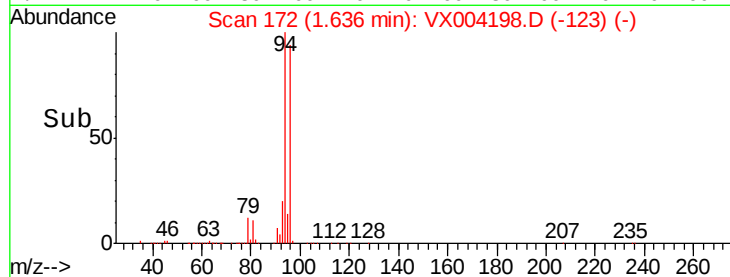
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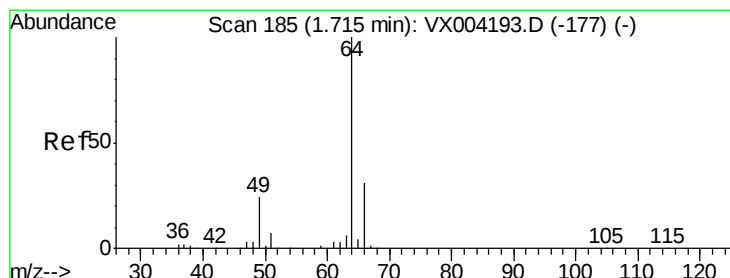
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Time-->



Time-->



#6

Chloroethane

Concen: 47.09 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX004198.D

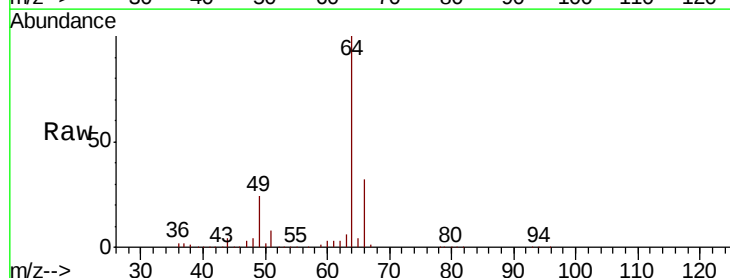
Acq: 22 Aug 2018 14:39

Tgt Ion: 64 Resp: 144595

Ion Ratio Lower Upper

64 100

66 32.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

120000

100000

80000

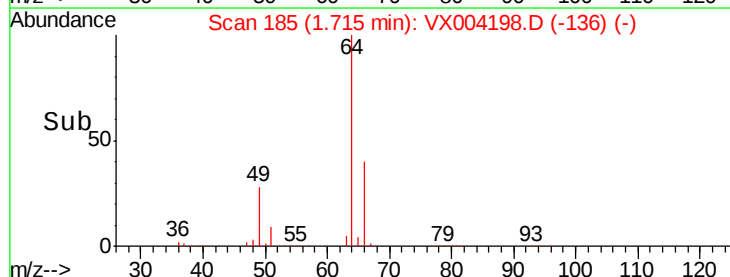
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40000

20000

0

Time-->



Time-->



#7

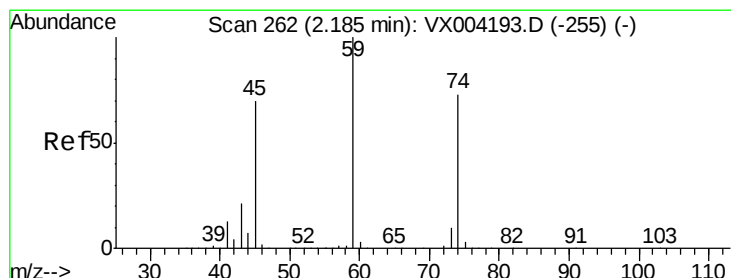
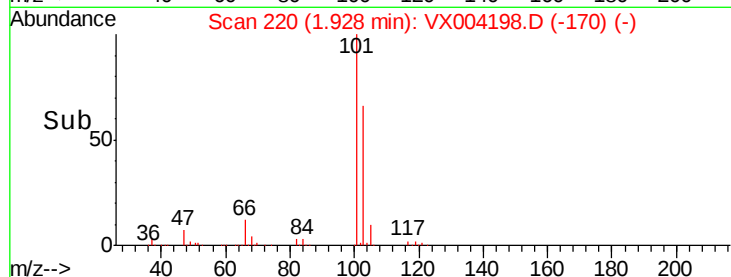
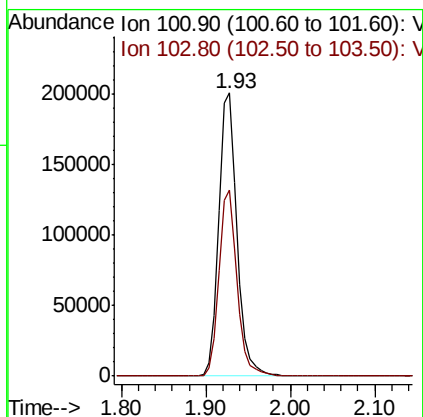
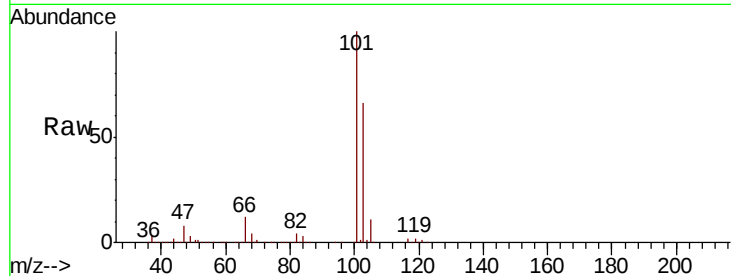
Trichlorofluoromethane
 Concen: 51.05 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004198.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	302667		
103	65.7	48.9	73.3	

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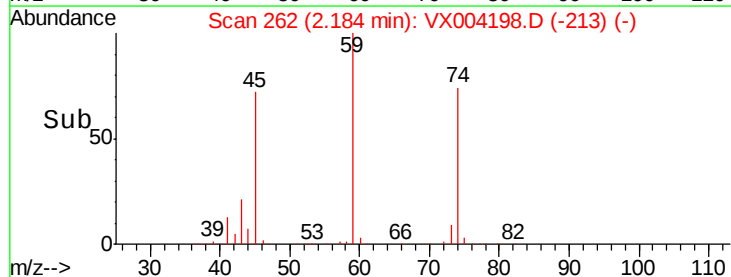
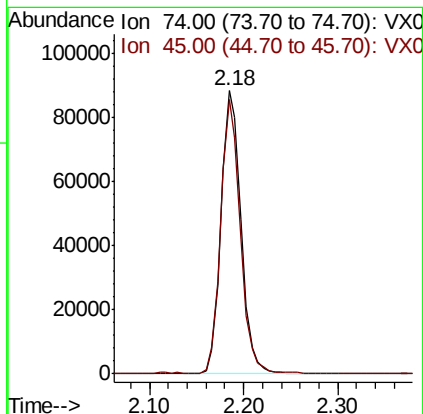
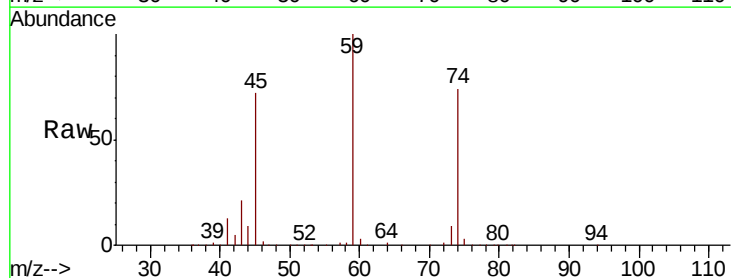
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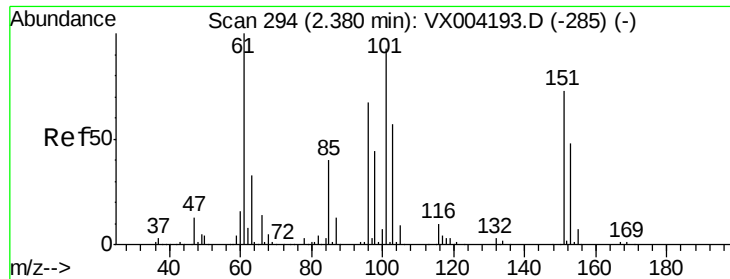


#8

Diethyl Ether
 Concen: 51.09 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	129689		
45	95.2	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.84 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

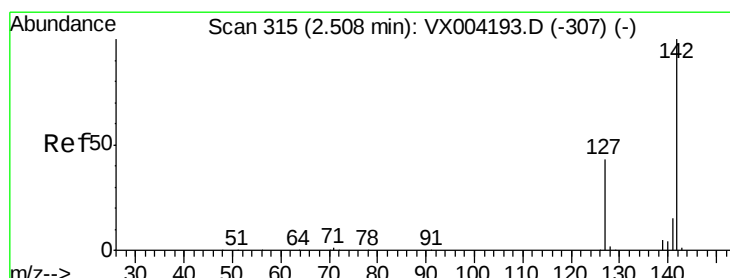
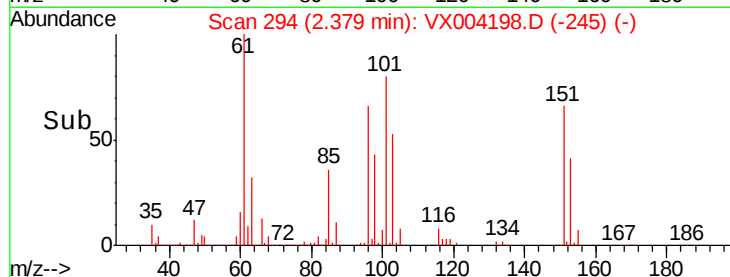
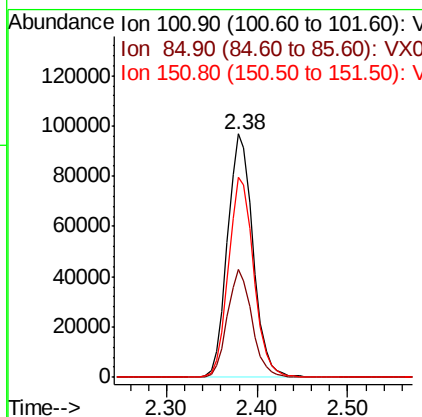
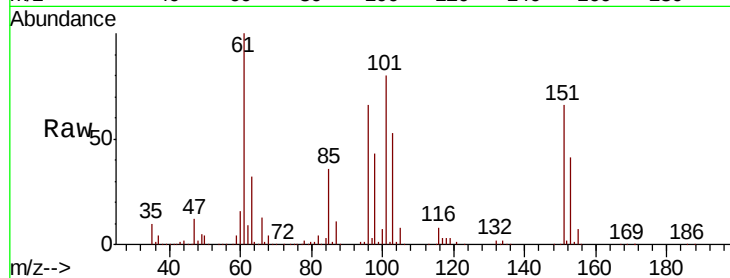
ClientSampleId :

ICVVX082218

Tot Ion:	101	Resp:	188793
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	81.7	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 48.51 ug/l

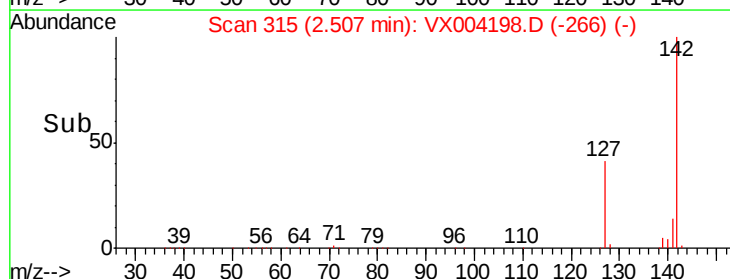
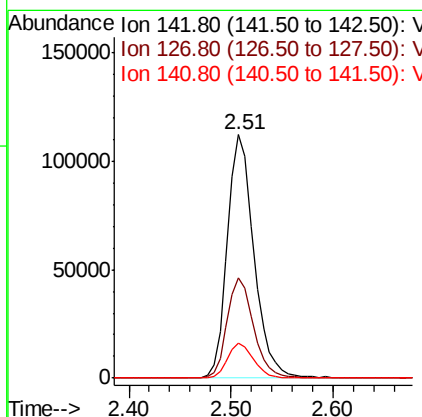
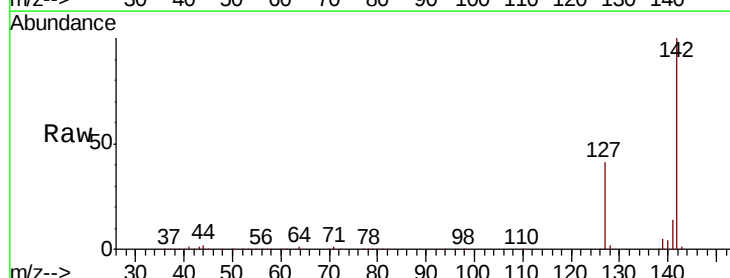
RT: 2.51 min Scan# 315

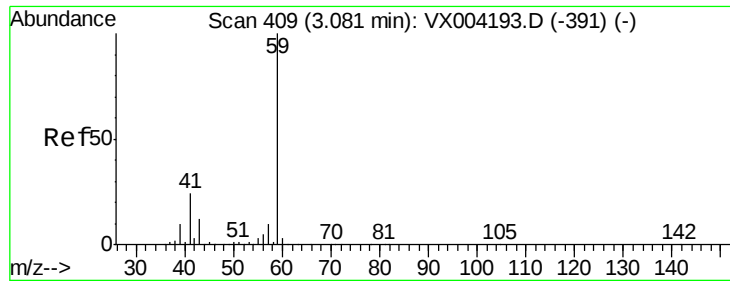
Delta R.T. 0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion:	142	Resp:	202693
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.8	50.6
141	14.2	11.4	17.0





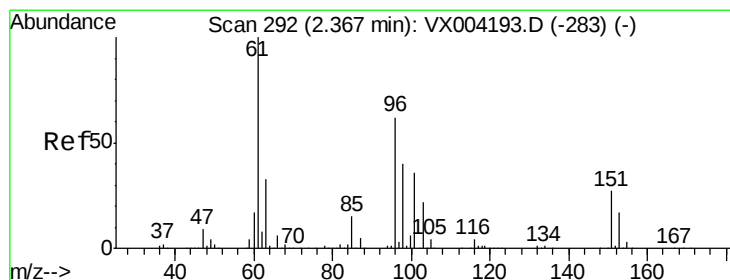
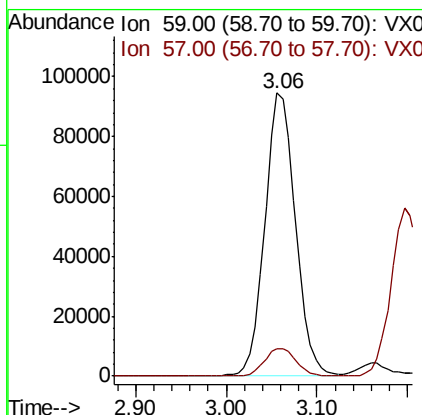
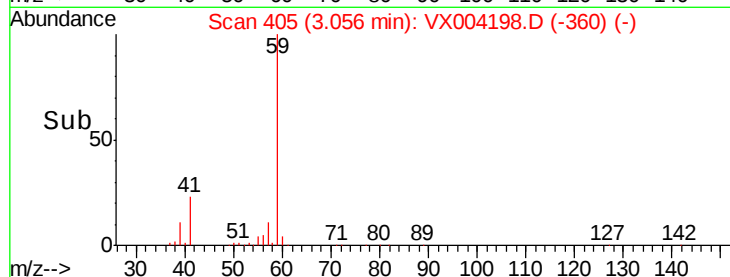
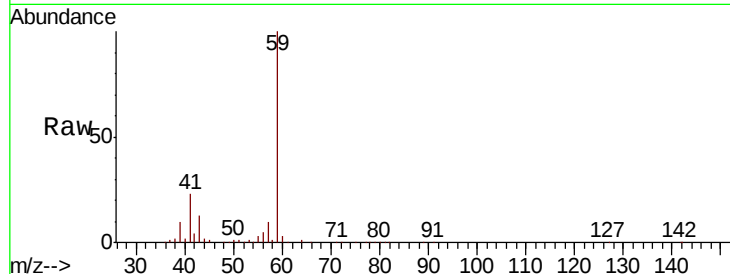
#11
Tert butyl alcohol
Concen: 240.71 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

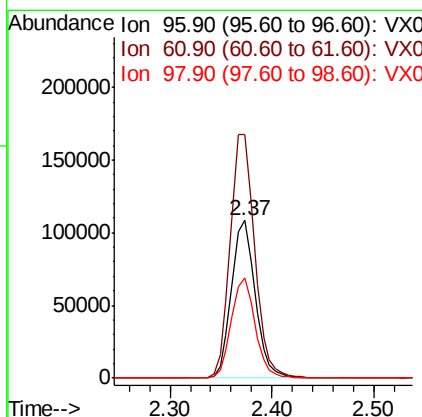
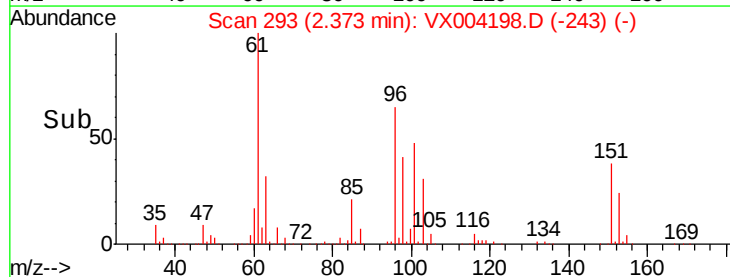
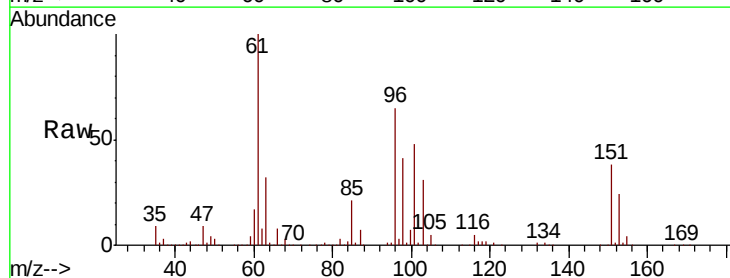
Manual Integrations
APPROVED

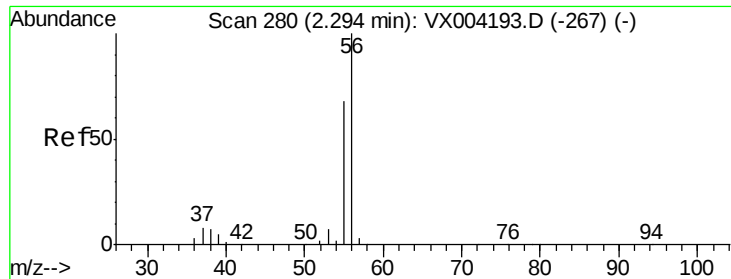
MMDadoda
8/23/2018 9:40:14 AM



#12
1,1-Dichloroethene
Concen: 49.95 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	128.8	193.2
98	63.6	52.2	78.2





#13

Acrolein

Concen: 225.82 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 56 Resp: 49941

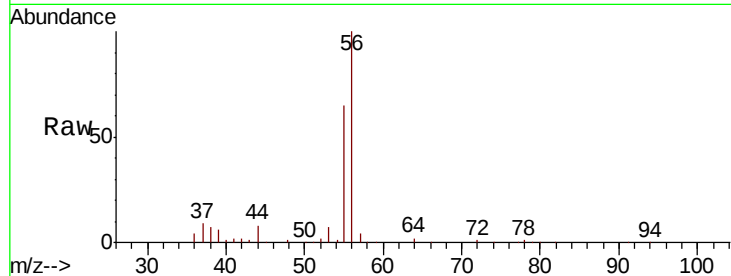
Ion Ratio Lower Upper

56 100

55 70.2 54.7 82.1

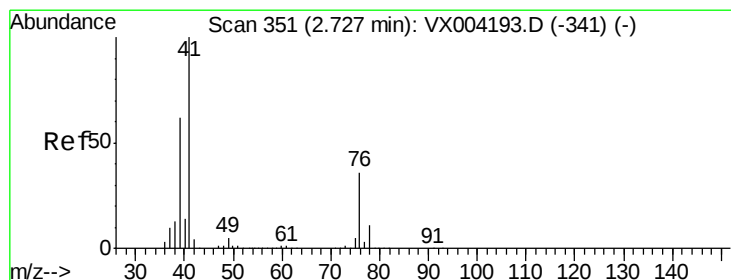
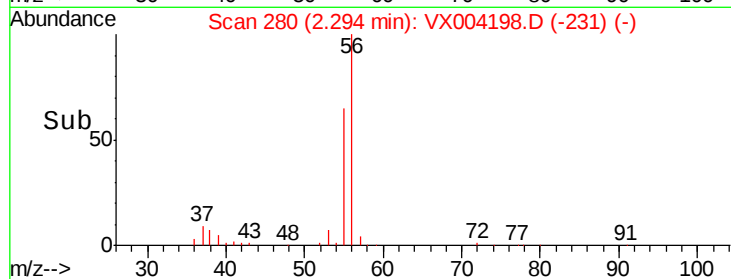
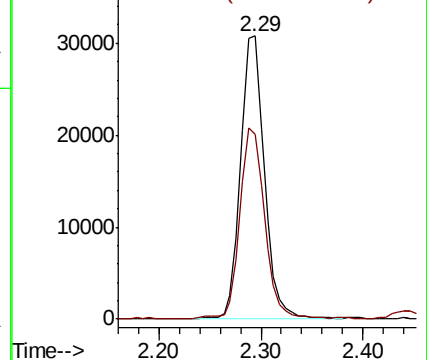
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.15 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

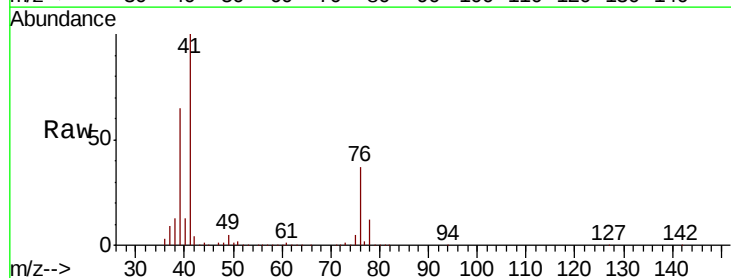
Tgt Ion: 41 Resp: 328711

Ion Ratio Lower Upper

41 100

39 61.2 48.9 73.3

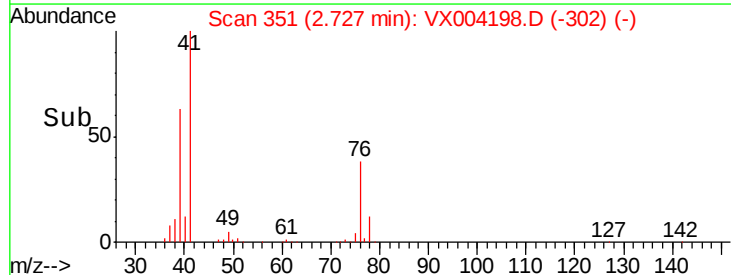
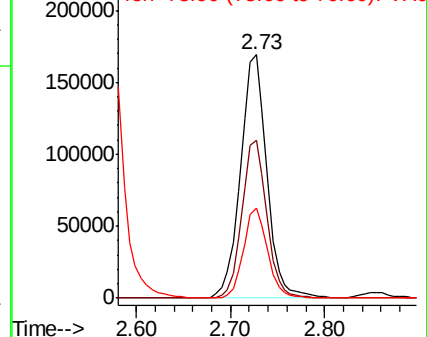
76 33.6 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 239.39 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

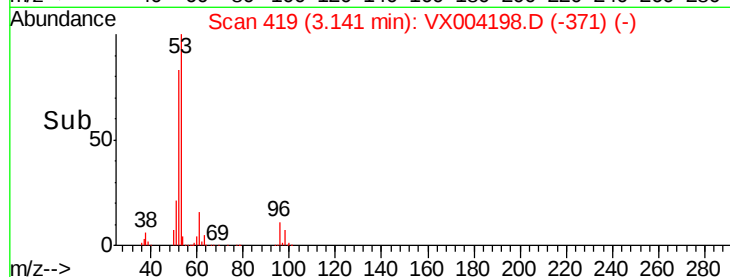
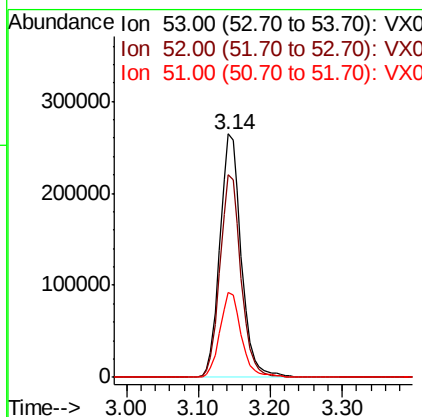
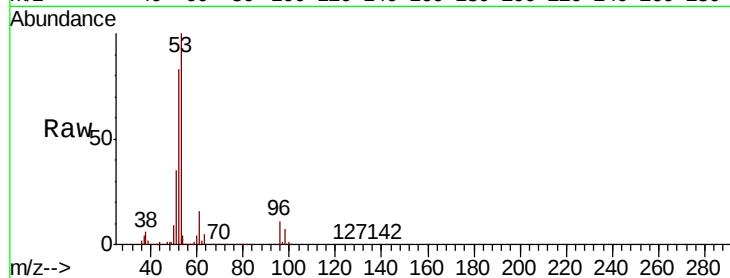
ClientSampleId :

ICVVX082218

Tot Ion:	53	Resp:	543838
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.2	97.8
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 263.77 ug/l

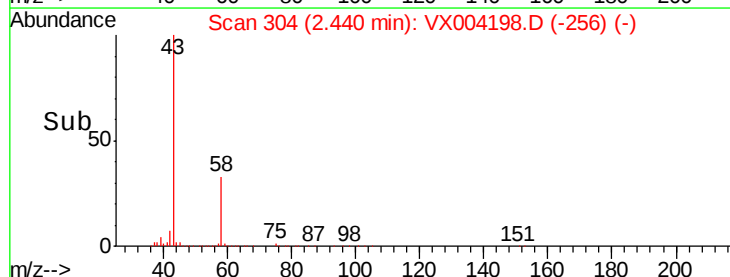
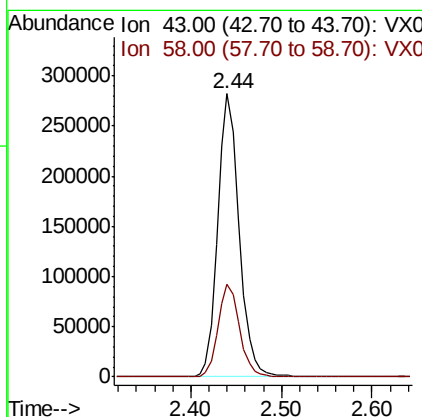
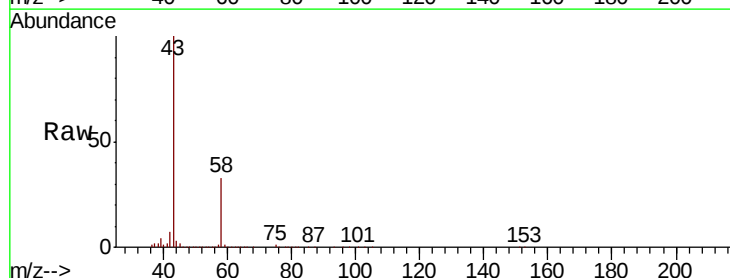
RT: 2.44 min Scan# 304

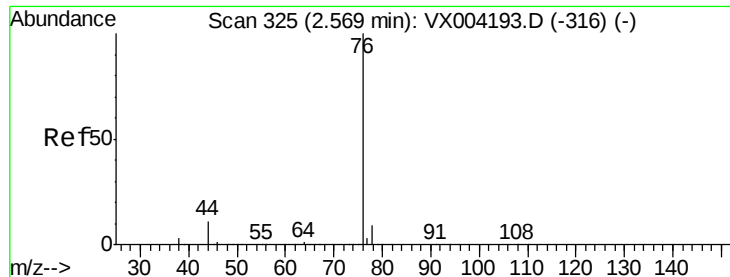
Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion:	43	Resp:	462581
Ion Ratio	Lower	Upper	
43	100		
58	32.7	26.2	39.4





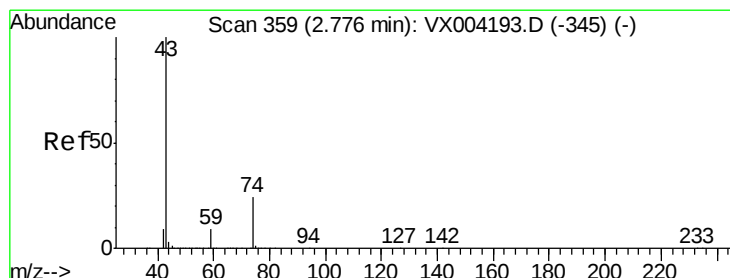
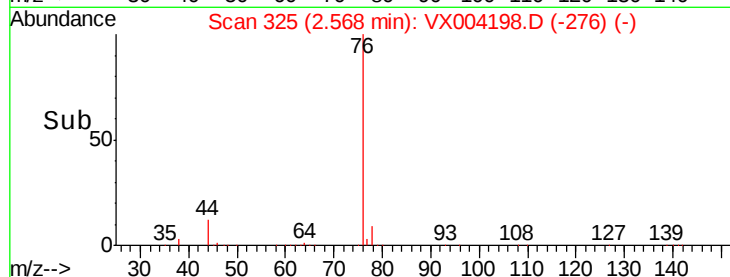
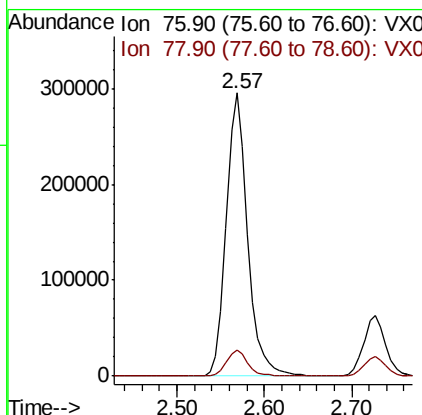
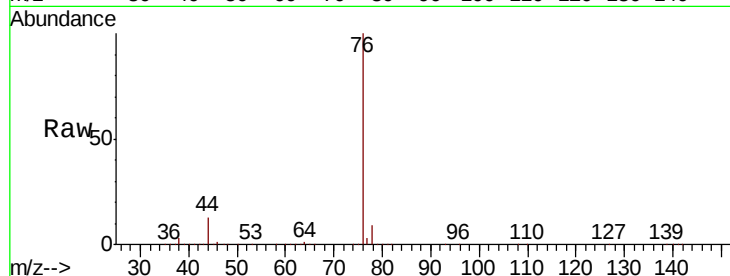
#17
Carbon Disulfide
Concen: 51.35 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

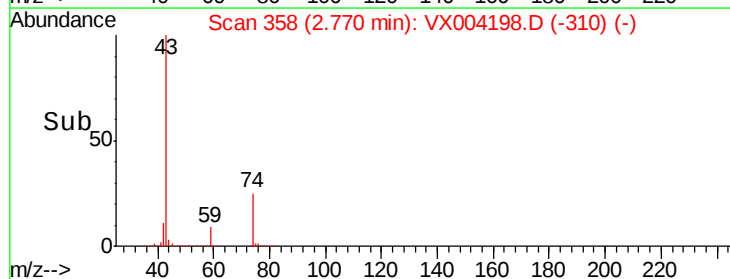
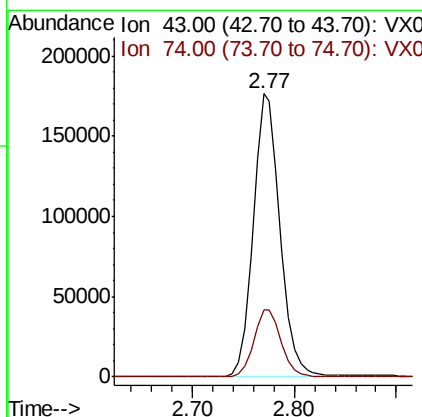
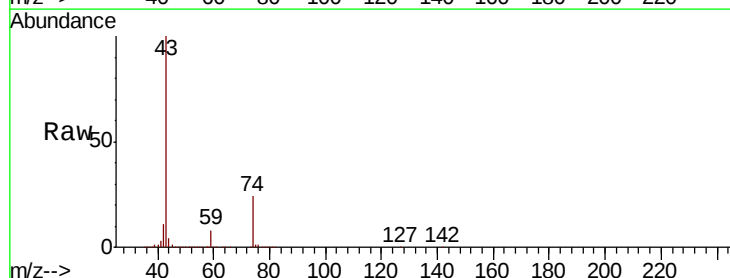
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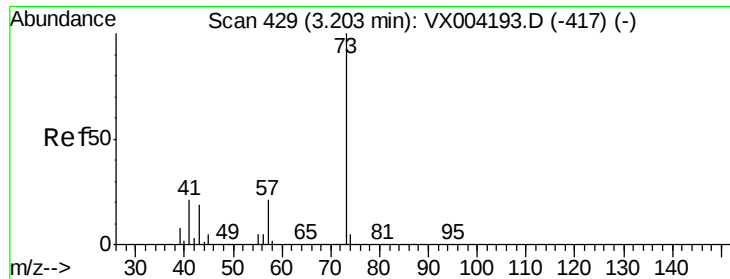
MMDadoda
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#18
Methyl Acetate
Concen: 50.42 ug/l
RT: 2.77 min Scan# 358
Delta R.T. -0.01 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.4	29.2





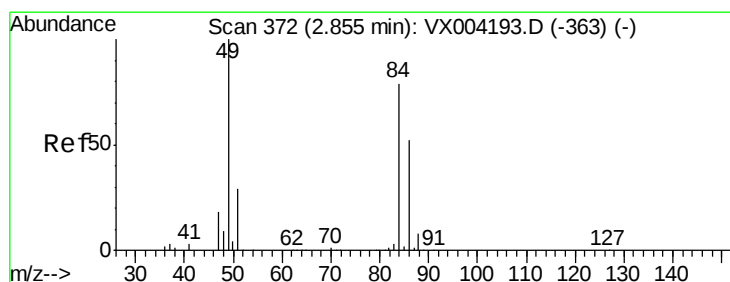
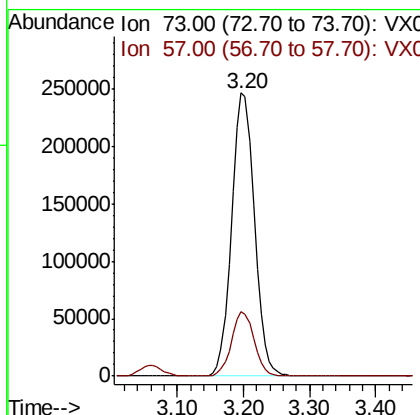
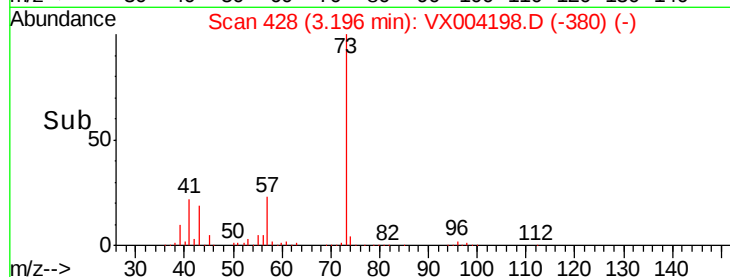
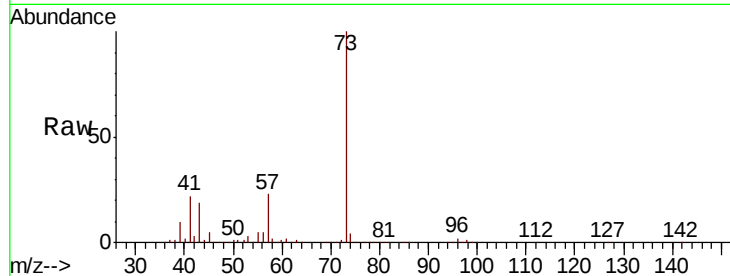
#19
Methyl tert-butyl Ether
Concen: 51.15 ug/l
RT: 3.20 min Scan# 428
Delta R.T. -0.01 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.1	25.7

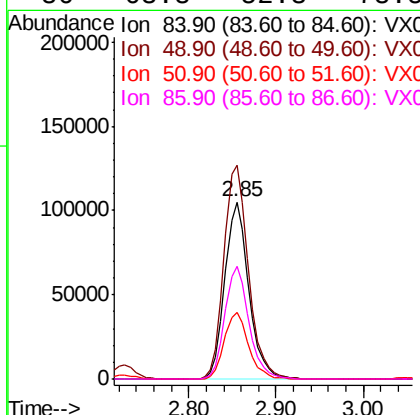
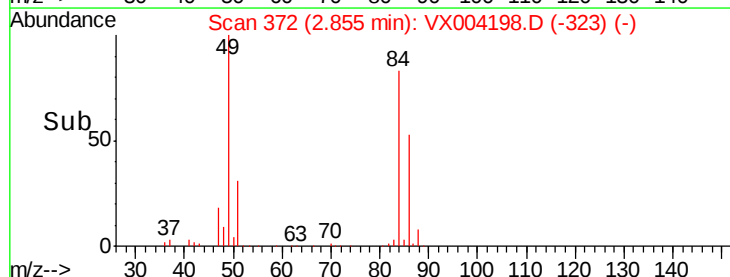
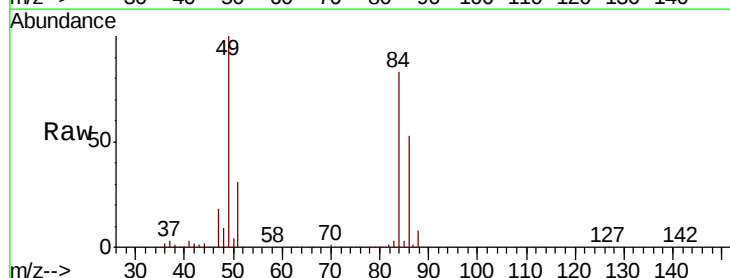
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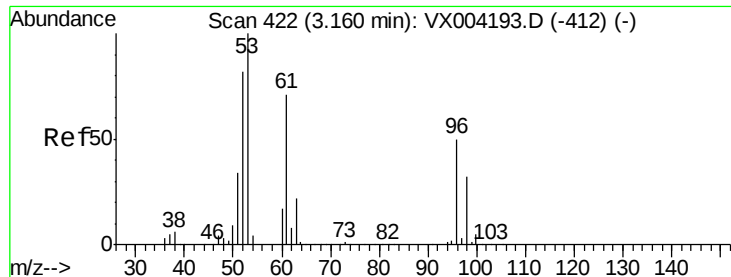
MMDadoda
8/23/2018 9:40:14 AM



#20
Methylene Chloride
Concen: 48.27 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.7	101.2	151.8
51	37.9	29.5	44.3
86	63.8	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 49.52 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

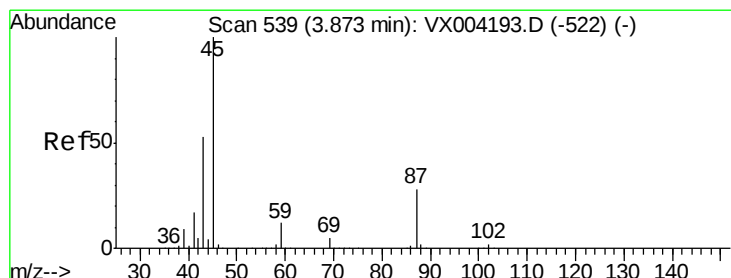
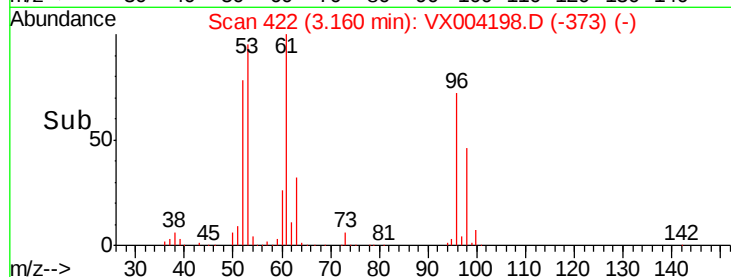
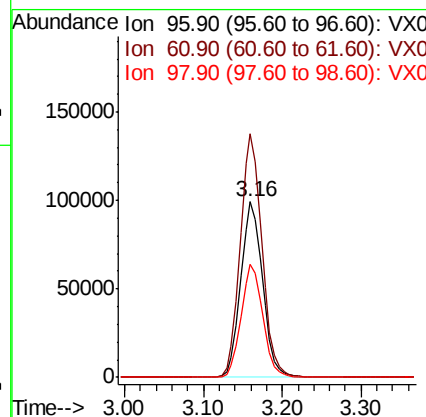
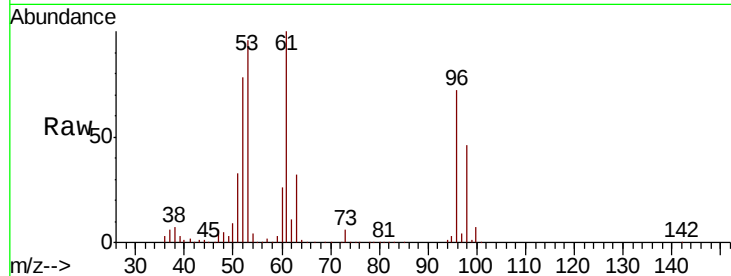
ClientSampleId :

ICVVX082218

Tot Ion:	96	Resp:	191726
Ion	Ratio	Lower	Upper
96	100		
61	138.7	113.8	170.6
98	64.1	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.32 ug/l

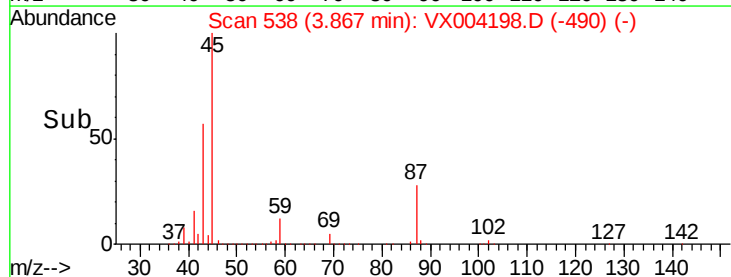
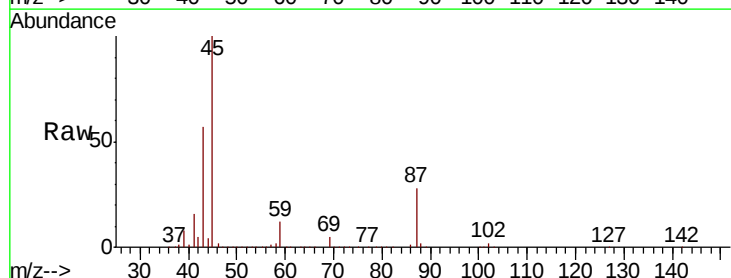
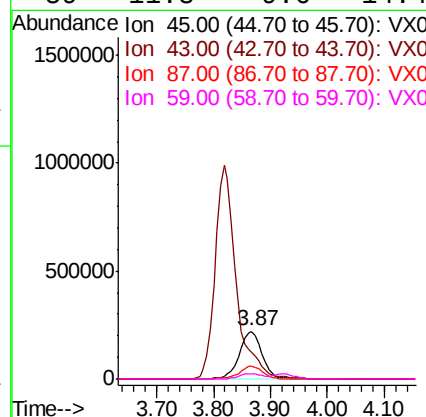
RT: 3.87 min Scan# 538

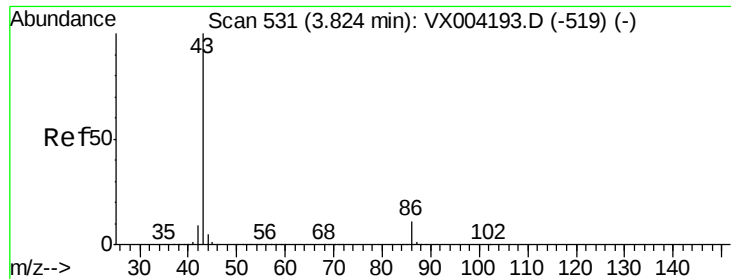
Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion:	45	Resp:	615757
Ion	Ratio	Lower	Upper
45	100		
43	56.4	42.8	64.2
87	27.9	22.6	34.0
59	11.8	9.6	14.4





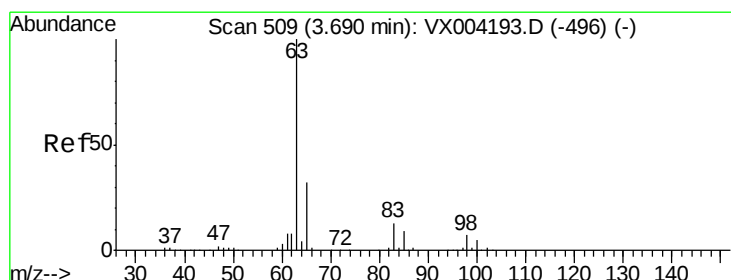
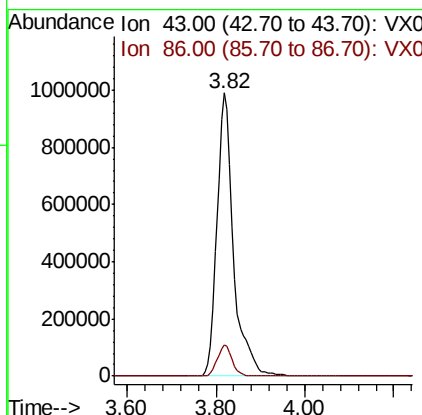
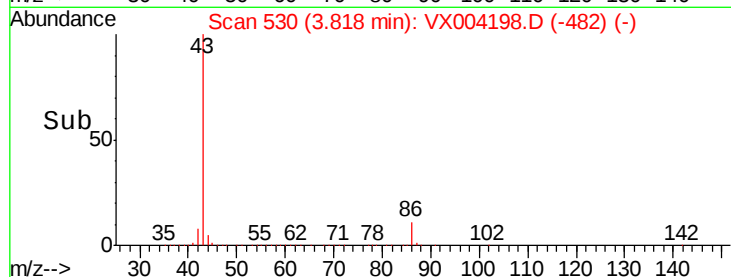
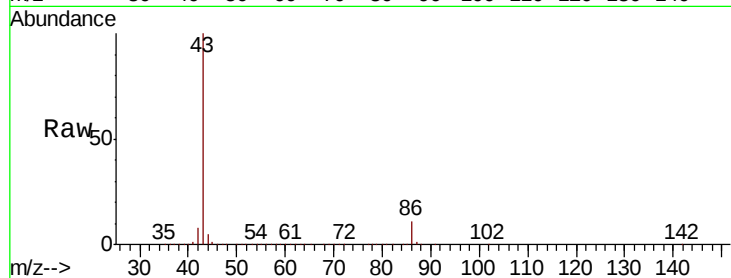
#23
 Vinyl Acetate
 Concen: 263.37 ug/l
 RT: 3.82 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleID :
 ICVVX082218

Tot Ion: 43 Resp: 2561303
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3

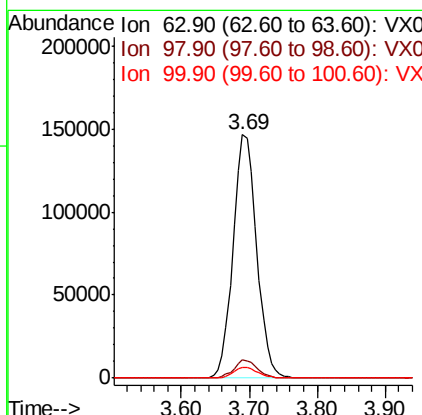
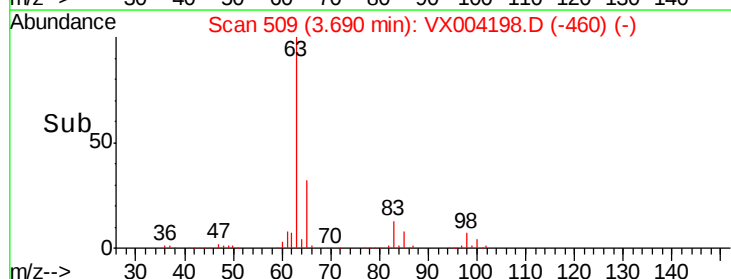
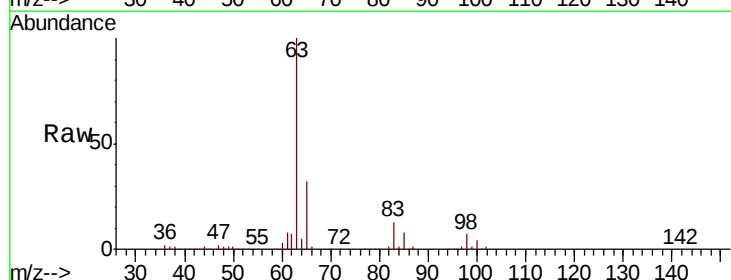
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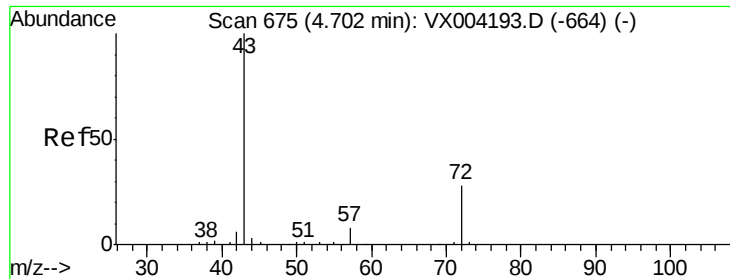
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 50.53 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion: 63 Resp: 353353
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.5 10.4
 100 4.3 2.4 7.1





#25

2-Butanone

Concen: 250.72 ug/l

RT: 4.70 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 43 Resp: 722932

Ion Ratio Lower Upper

43 100

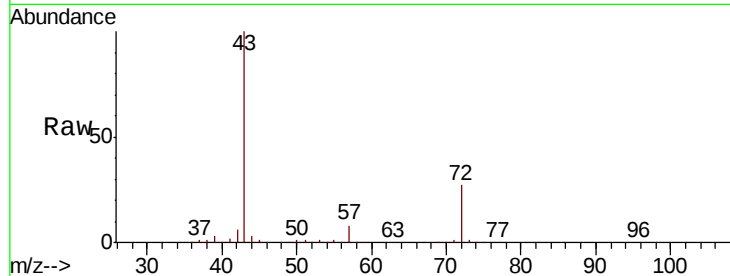
72 27.1 22.0 33.0

Manual Integrations

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8/23/2018 9:40:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

250000

200000

150000

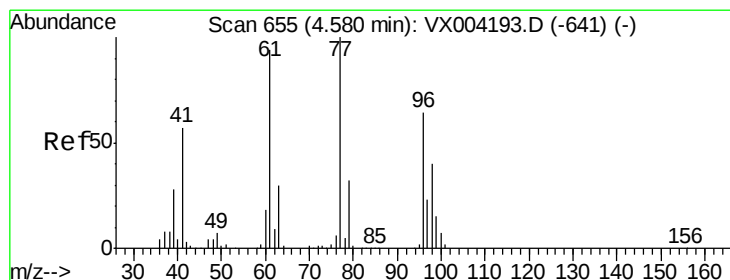
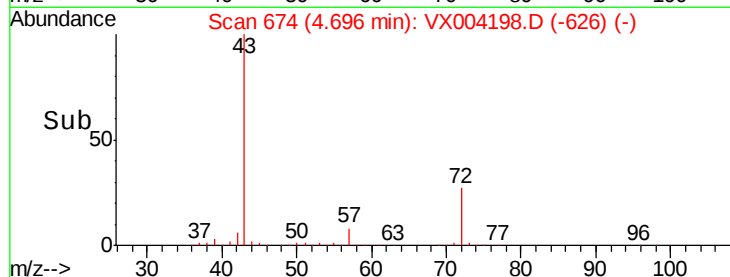
100000

50000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 52.52 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004198.D

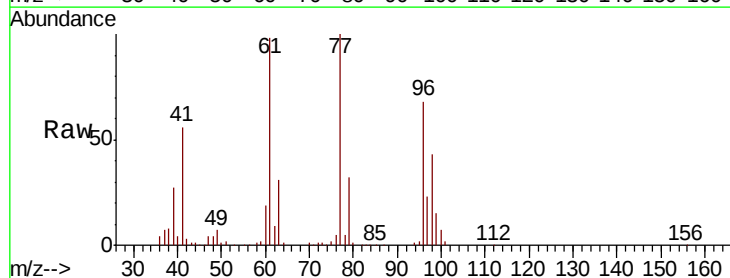
Acq: 22 Aug 2018 14:39

Tgt Ion: 77 Resp: 288030

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

100000

80000

60000

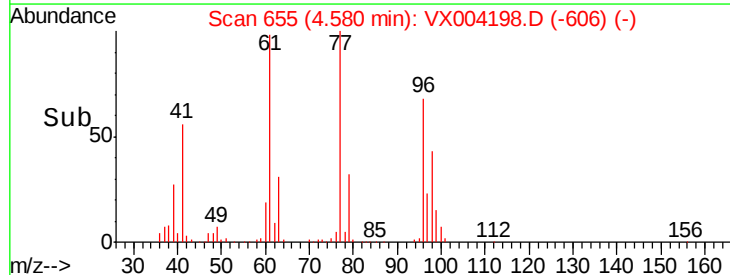
40000

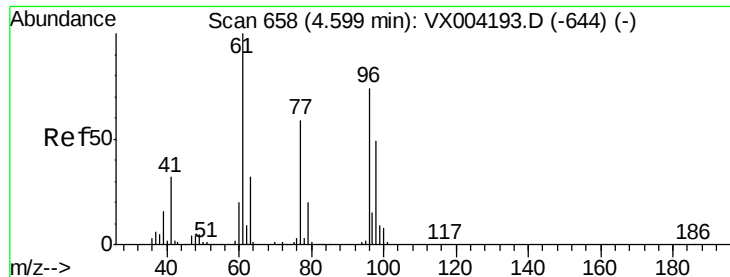
20000

0

Time-->

4.40 4.50 4.60 4.70





#27

cis-1,2-Dichloroethene

Concen: 50.67 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

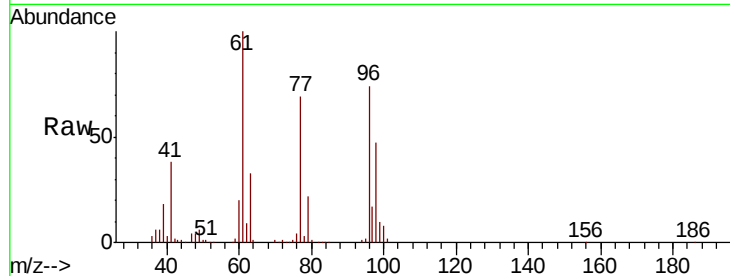
ClientSampleId :

ICVVX082218

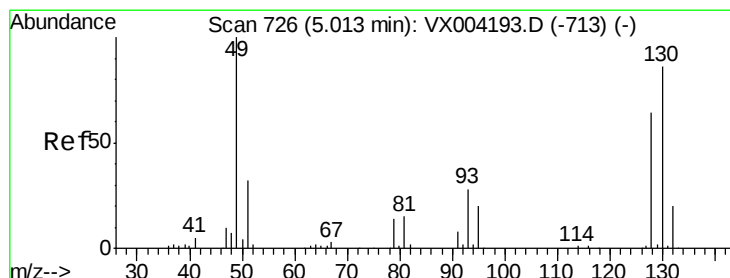
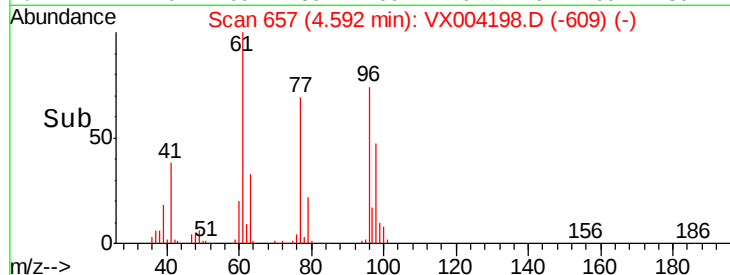
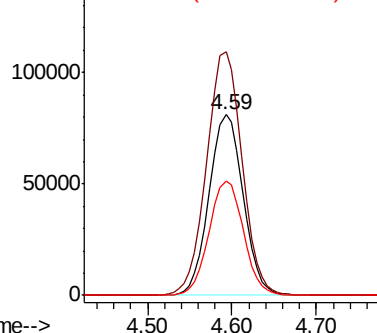
Tot Ion:	96	Resp:	222509
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	282.6
98	64.2	0.0	130.2

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 44.15 ug/l

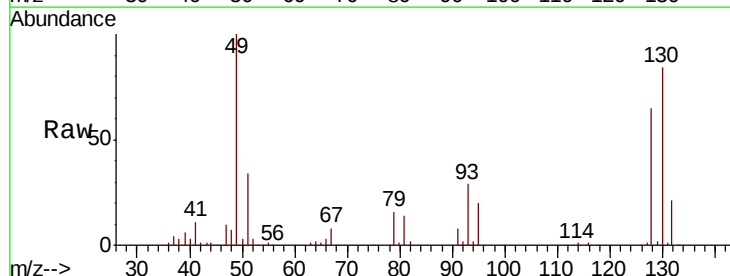
RT: 5.01 min Scan# 726

Delta R.T. -0.00 min

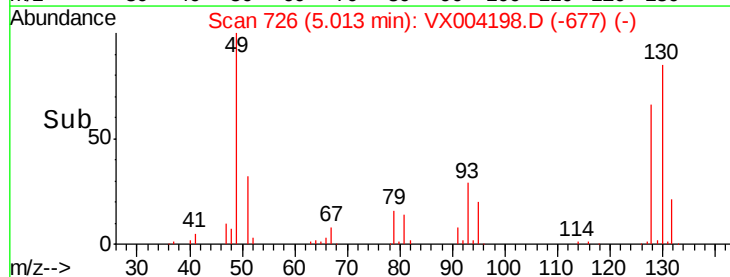
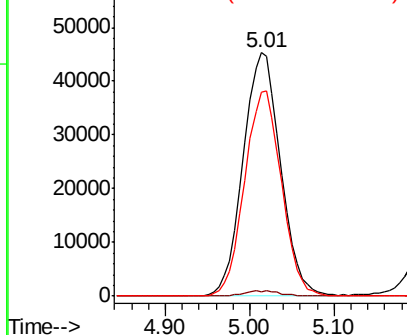
Lab File: VX004198.D

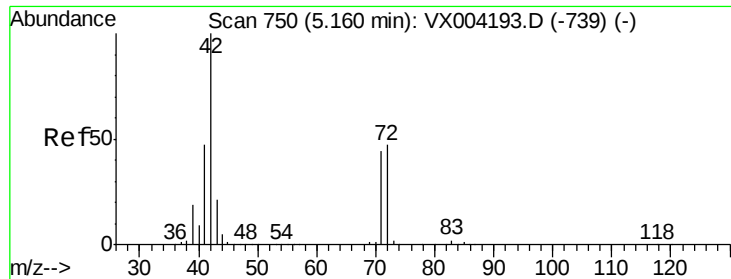
Acq: 22 Aug 2018 14:39

Tgt Ion:	49	Resp:	136668
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.0	67.5	101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





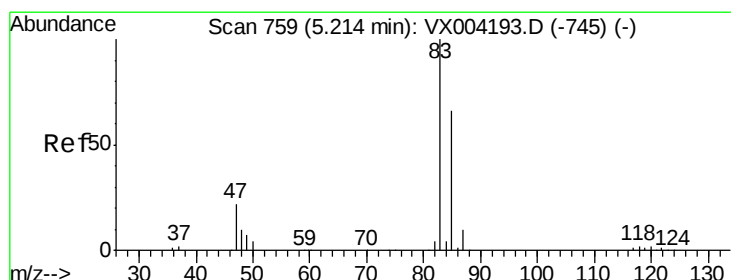
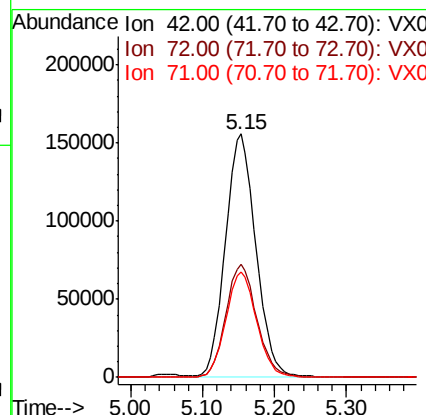
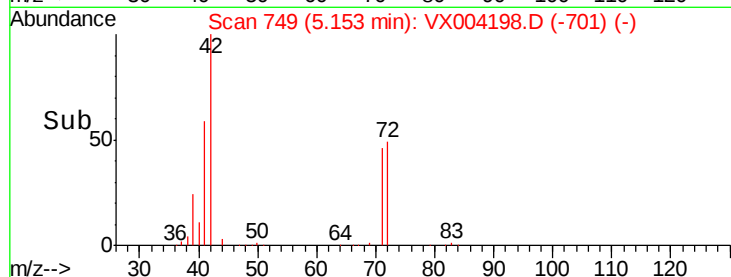
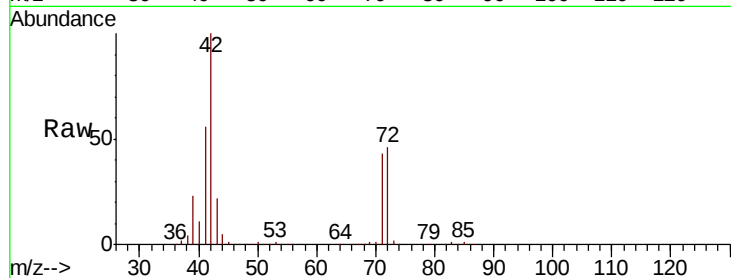
#29
Tetrahydrofuran
Concen: 247.54 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.4	56.0
71	43.6	34.5	51.7

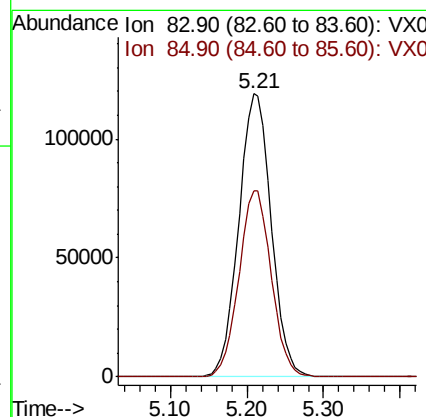
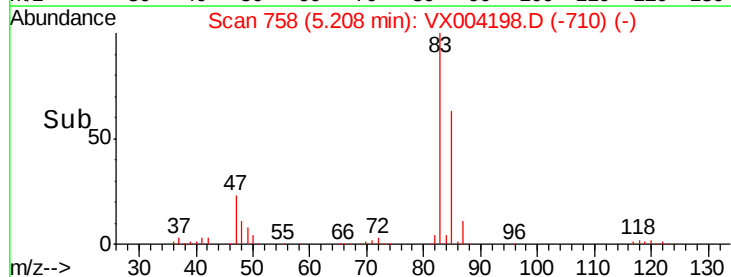
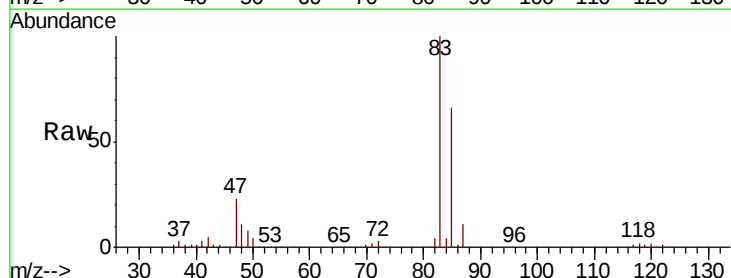
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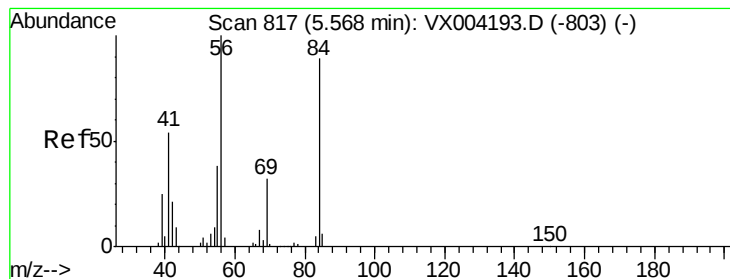
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#30
Chloroform
Concen: 49.92 ug/l
RT: 5.21 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	79.0





#31

Cyclohexane

Concen: 52.20 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

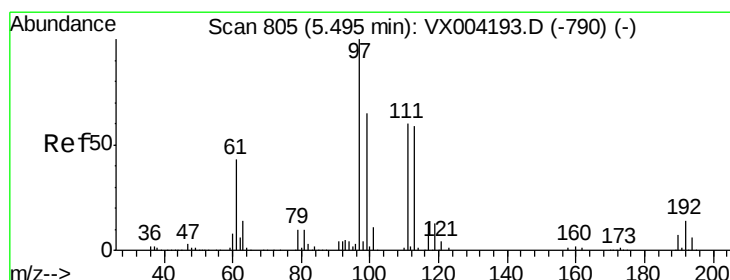
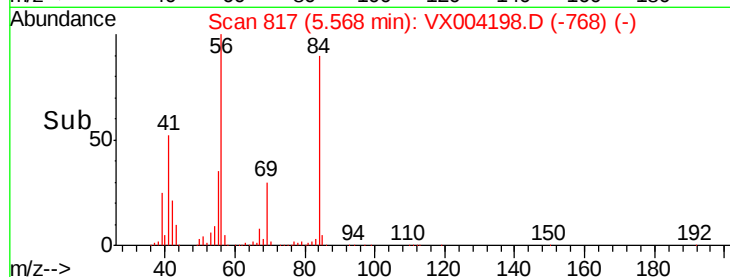
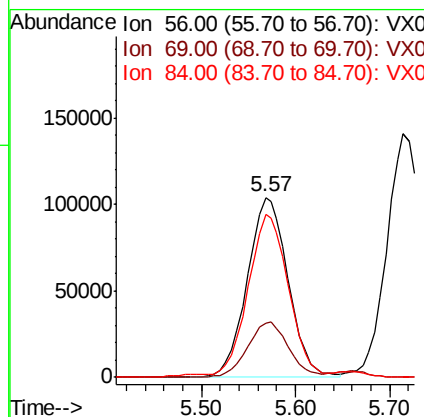
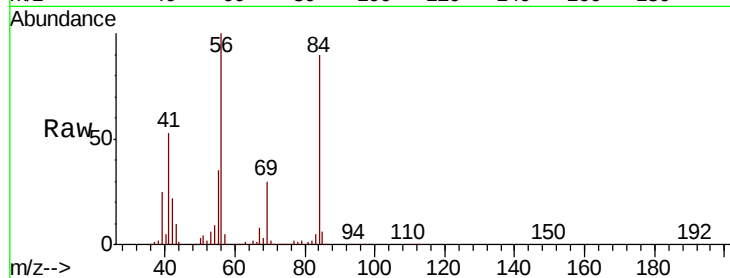
ClientSampleId :

ICVVX082218

Tot Ion:	56	Resp:	314937
Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.4	38.2
84	88.5	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 51.23 ug/l

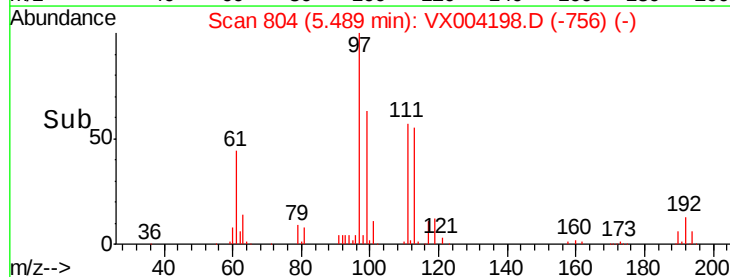
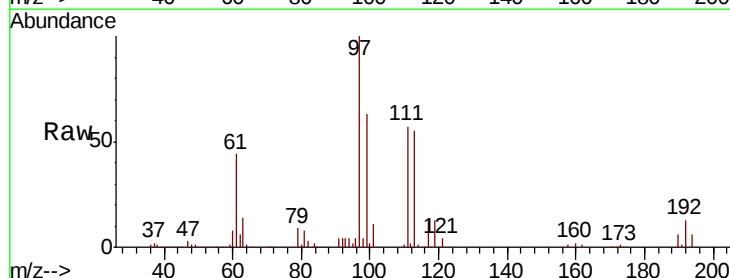
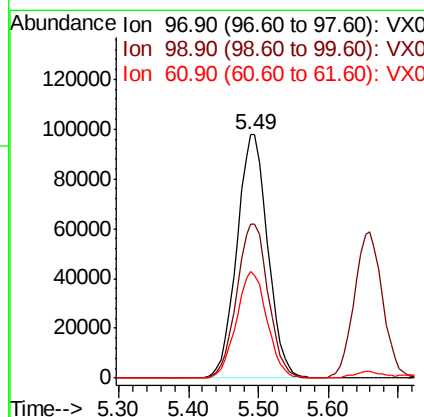
RT: 5.49 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion:	97	Resp:	299526
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	43.8	34.9	52.3





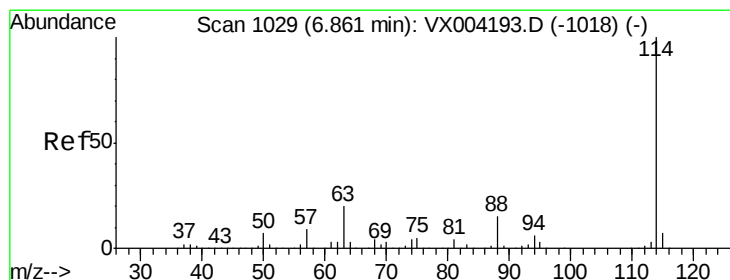
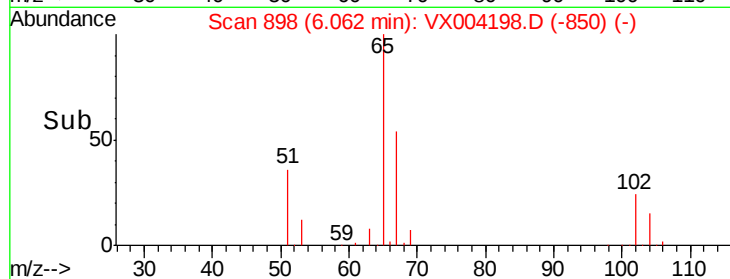
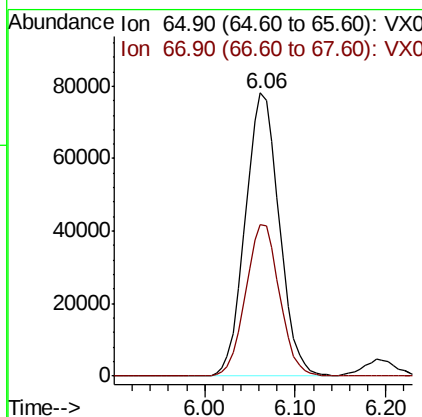
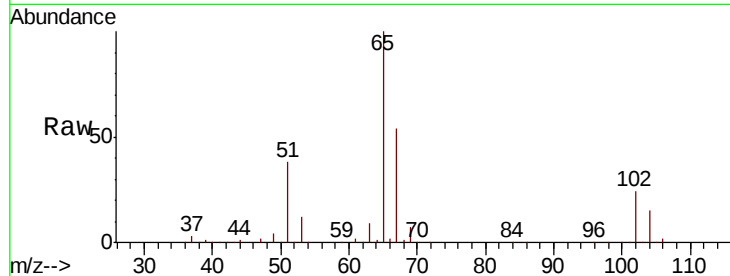
#33
 1,2-Dichloroethane-d4
 Concen: 47.14 ug/l
 RT: 6.06 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX082218

Tot Ion	Ratio	Resp	Lower	Upper
65	100	202844		
67	53.4	0.0	106.8	

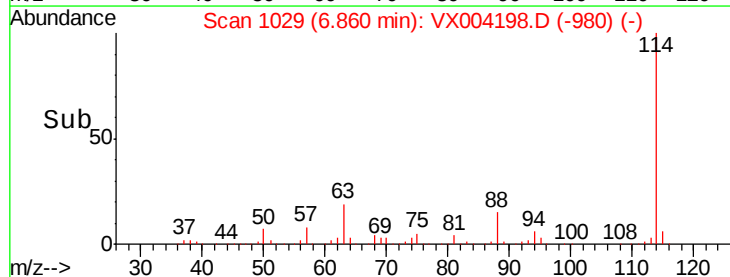
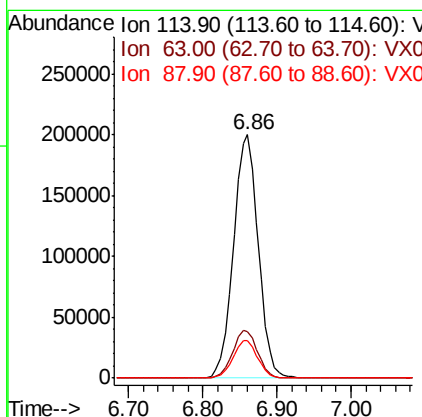
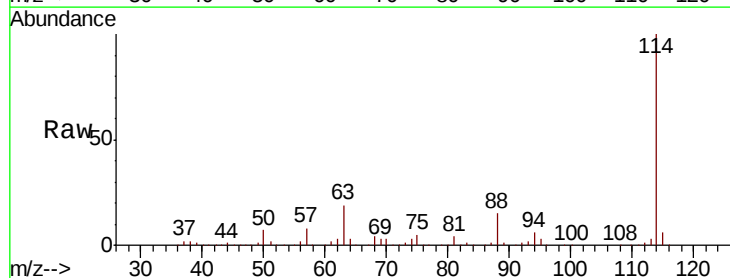
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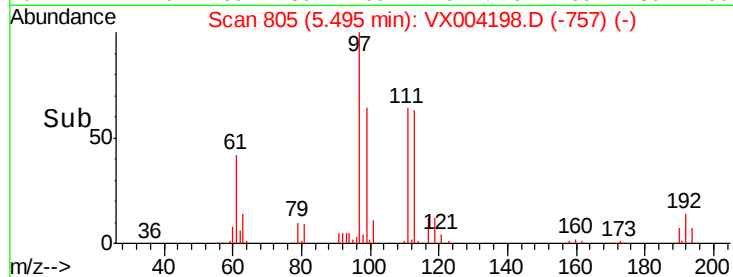
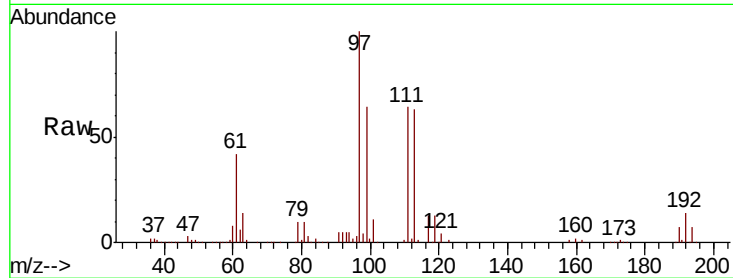
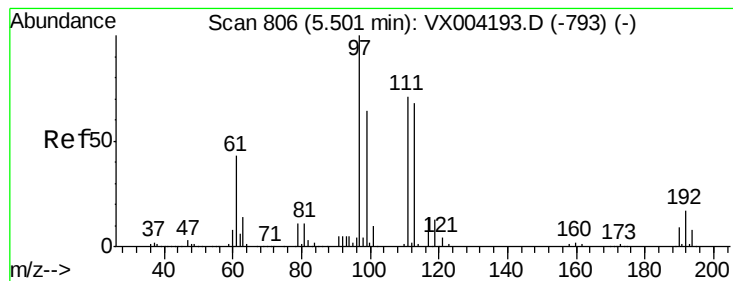
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	466738		
63	19.3	0.0	39.0	
88	15.2	0.0	30.4	





#35

Dibromofluoromethane

Concen: 49.57 ug/l

RT: 5.49 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004198.D

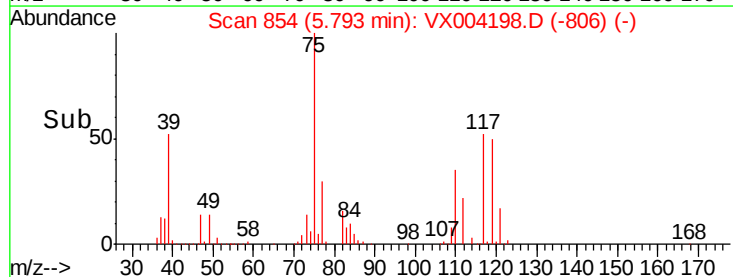
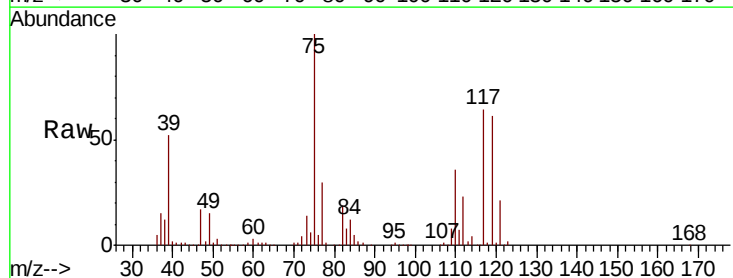
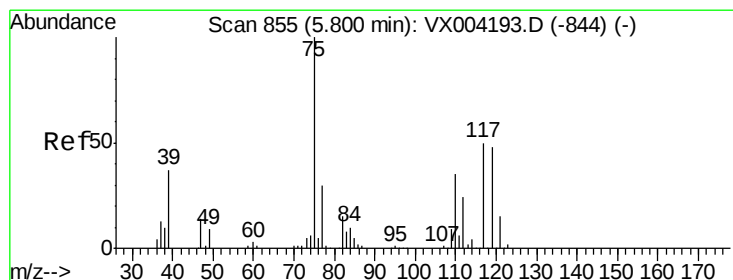
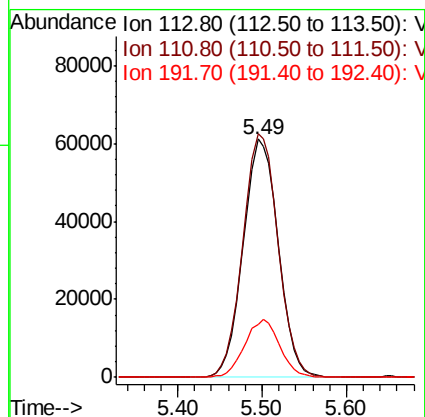
Acq: 22 Aug 2018 14:39

Tot Ion	Ratio	Resp	Lower	Upper
113	100	172135		
111	102.9	82.4	123.6	
192	24.2	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

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#36

1,1-Dichloropropene

Concen: 52.41 ug/l

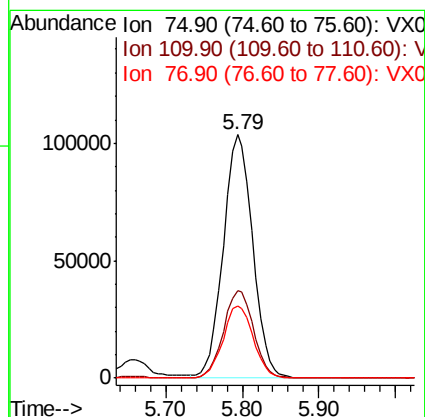
RT: 5.79 min Scan# 854

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	274987		
110	36.6	18.0	54.0	
77	30.5	24.6	36.8	





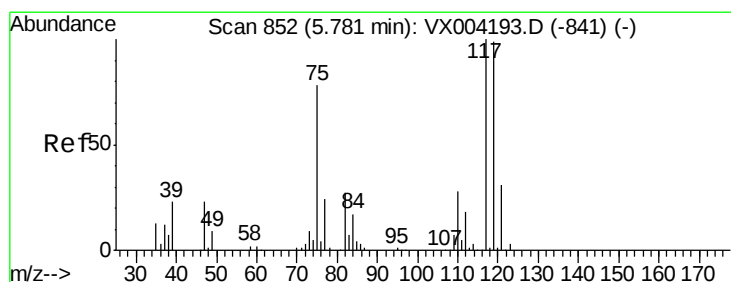
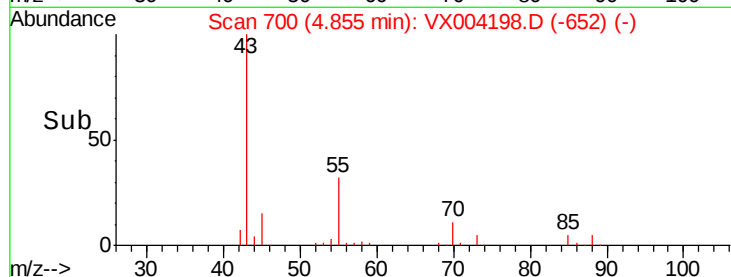
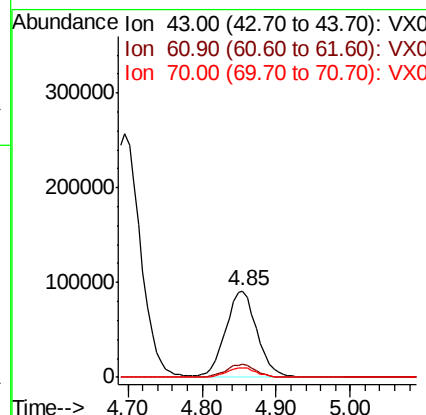
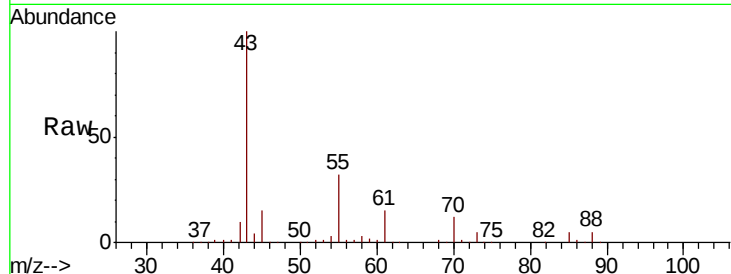
#37
Ethyl Acetate
Concen: 51.87 ug/l
RT: 4.85 min Scan# 700
Delta R.T. -0.01 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion:	43	Resp:	267670
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.3	9.0	13.6

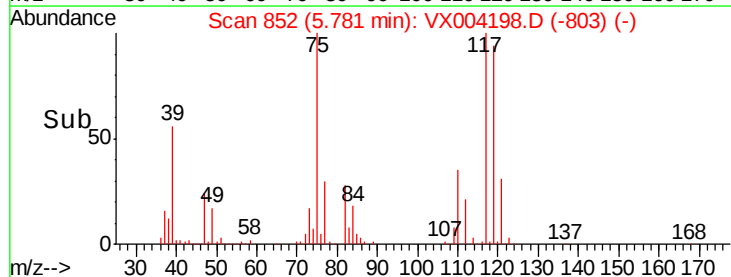
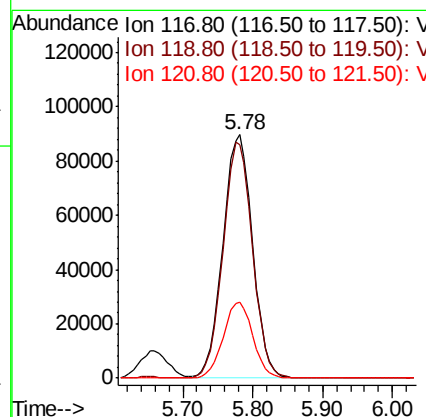
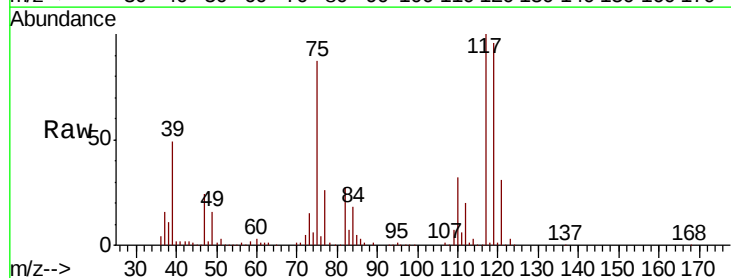
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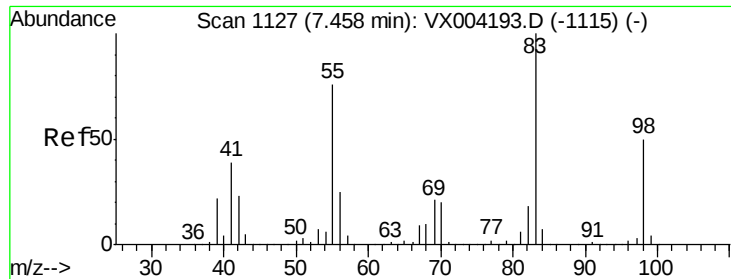
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#38
Carbon Tetrachloride
Concen: 53.40 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion:	117	Resp:	263564
Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.8	118.2
121	31.3	24.9	37.3





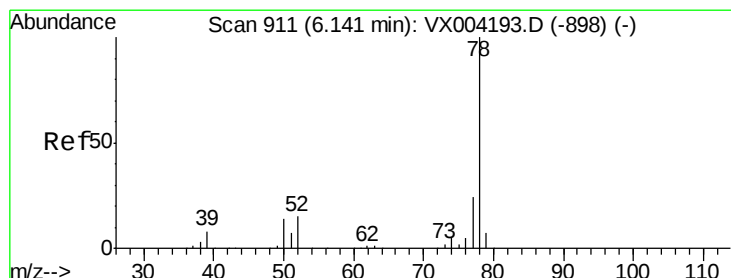
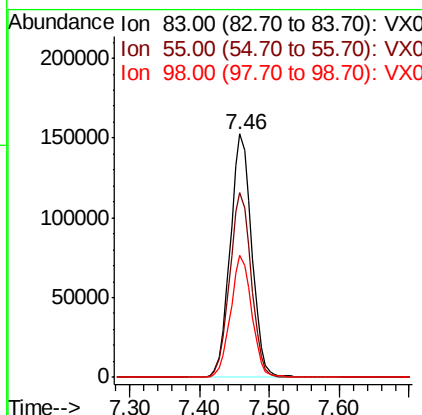
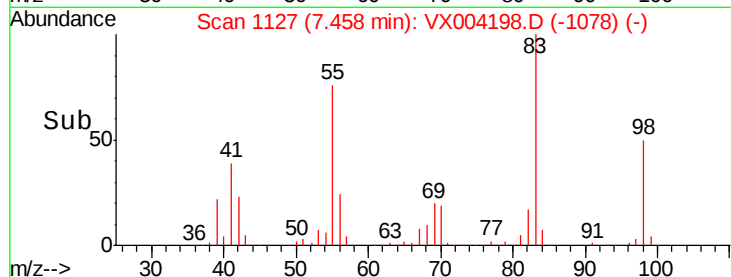
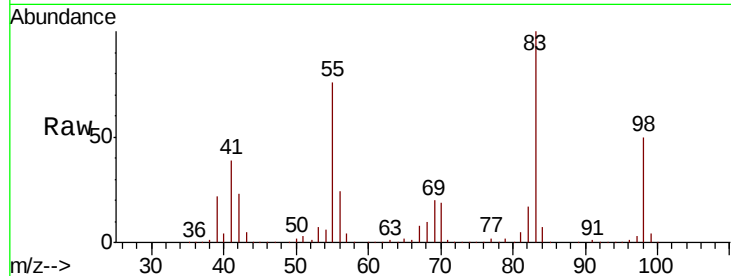
#39
Methvlcvclohexane
Concen: 54.44 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.7	61.0	91.4	
98	49.9	39.6	59.4	

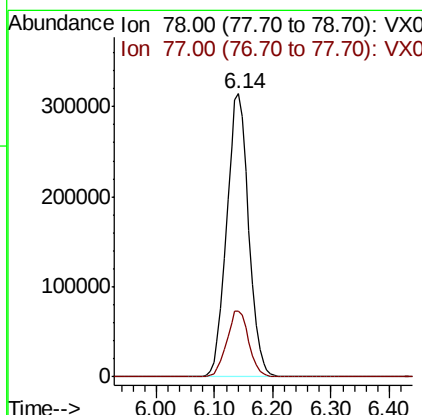
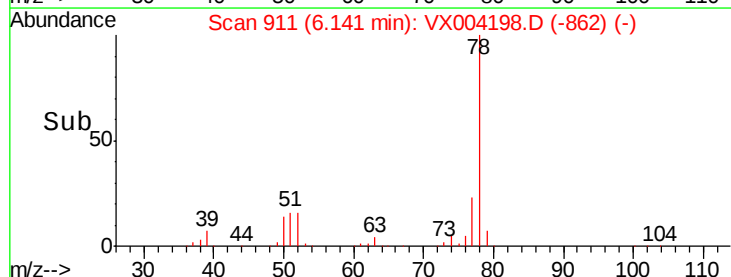
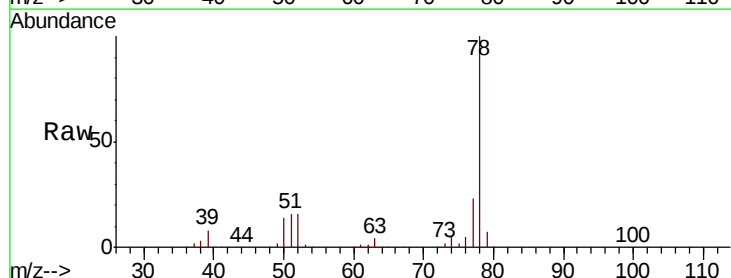
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#40
Benzene
Concen: 52.55 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	19.0	28.4	





#41

Methacrylonitrile

Concen: 52.26 ug/l

RT: 5.06 min Scan# 733

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

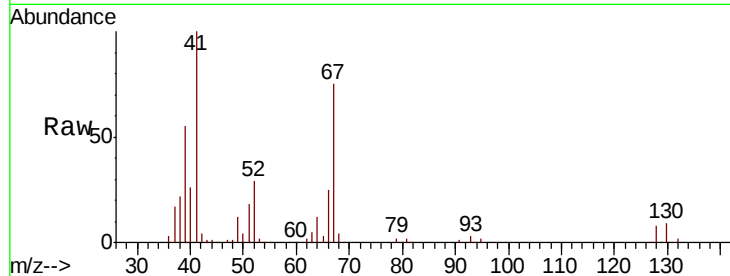
ClientSampleId :

ICVVX082218

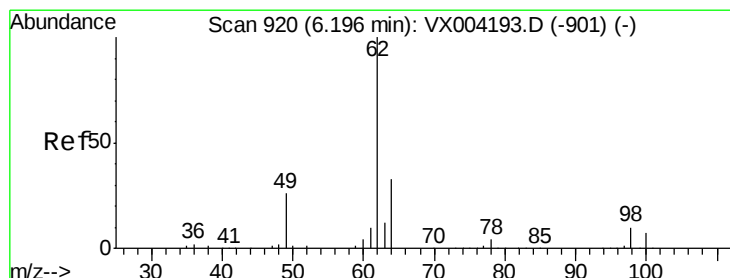
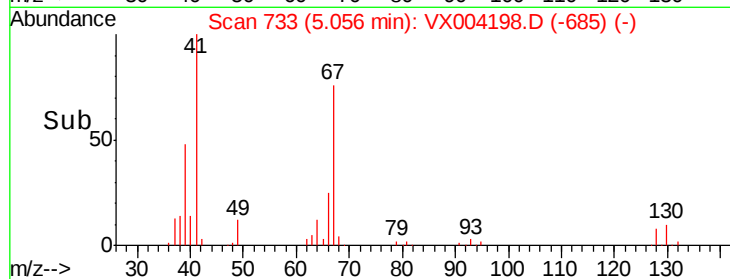
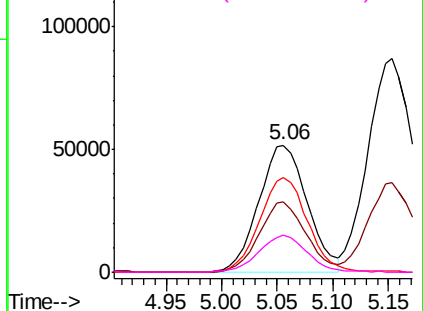
Tot Ion:	41	Resp:	156316
Ion	Ratio	Lower	Upper
41	100		
39	53.8	42.4	63.6
67	74.4	59.2	88.8
52	28.5	23.0	34.4

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.52 ug/l

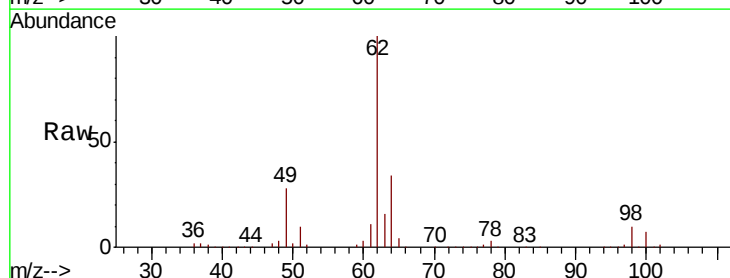
RT: 6.20 min Scan# 920

Delta R.T. -0.00 min

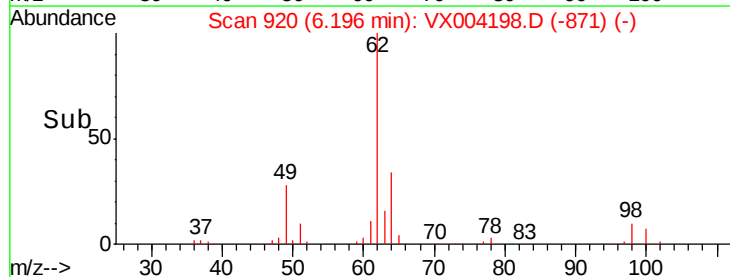
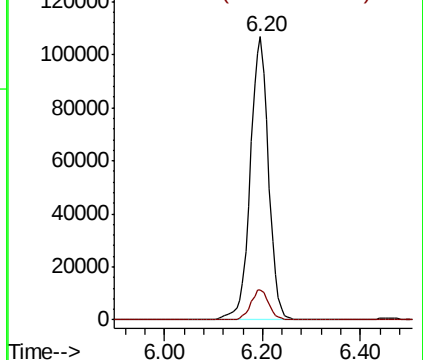
Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion:	62	Resp:	275523
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

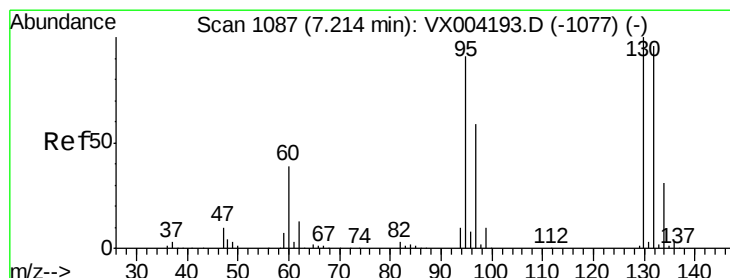
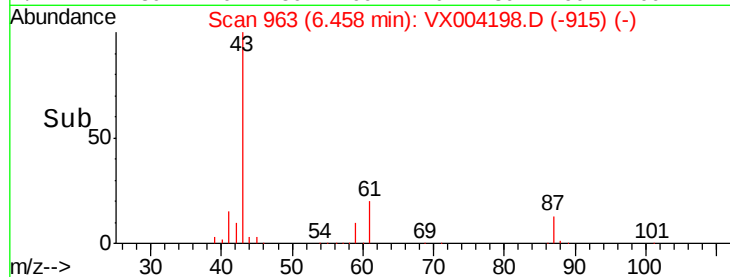
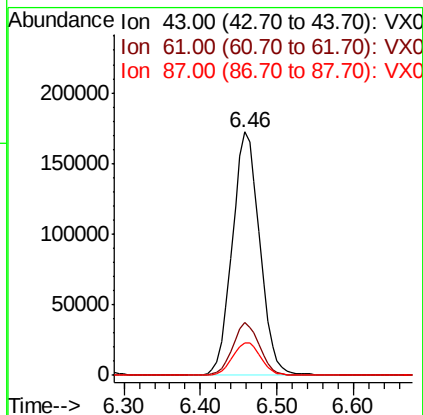
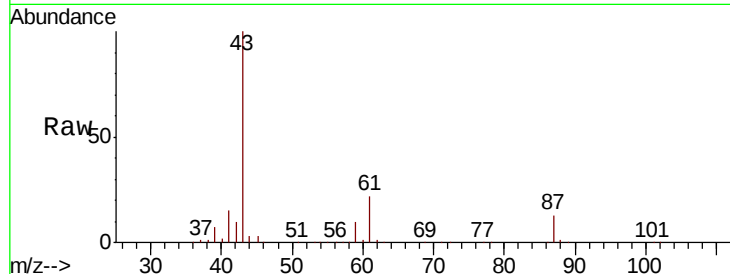
Isopropyl Acetate
 Concen: 53.89 ug/l
 RT: 6.46 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX082218

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.0	25.4
87	13.9	11.4	17.2

Manual Integrations
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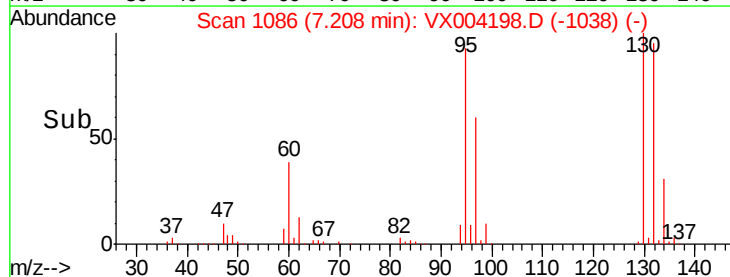
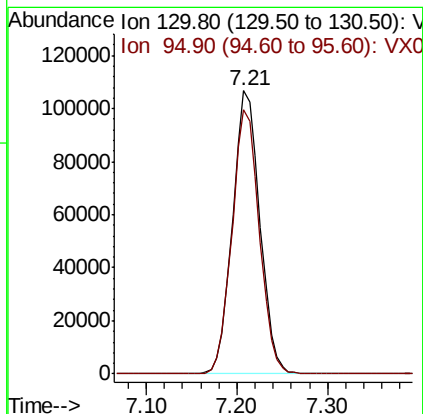
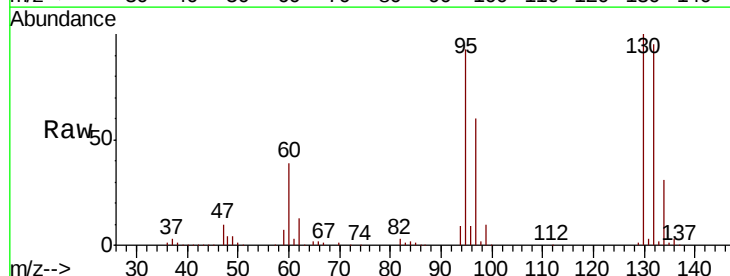
MMDadoda
 8/23/2018 9:40:14 AM

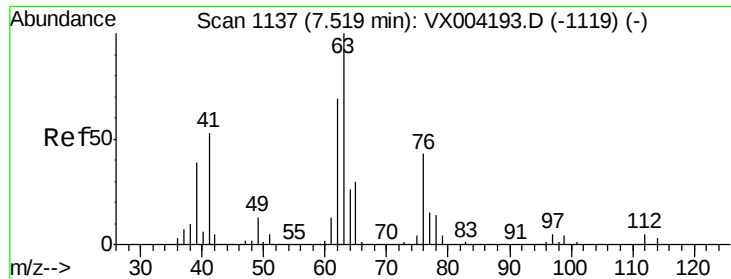


#44

Trichloroethene
 Concen: 51.43 ug/l
 RT: 7.21 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 53.03 ug/l

RT: 7.51 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 63 Resp: 208103

Ion Ratio Lower Upper

63 100

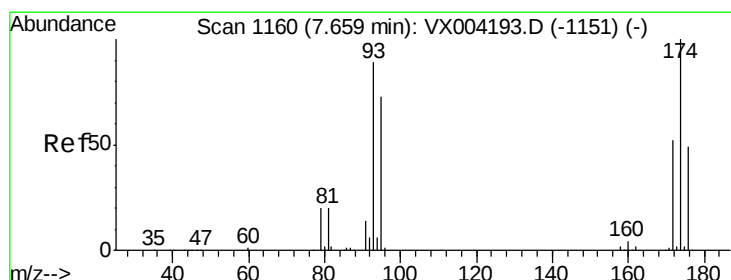
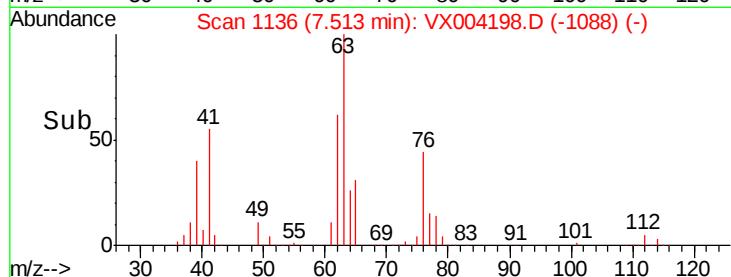
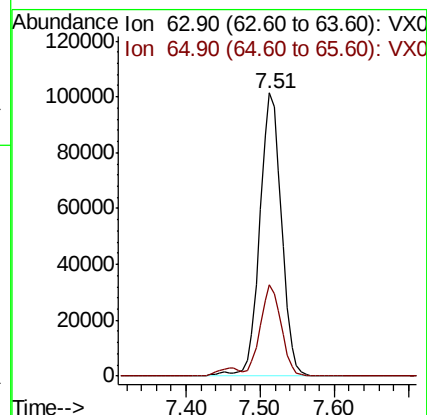
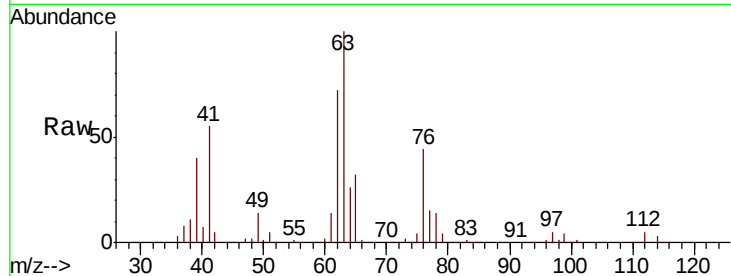
65 32.3 24.3 36.5

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#46

Dibromomethane

Concen: 51.54 ug/l

RT: 7.66 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

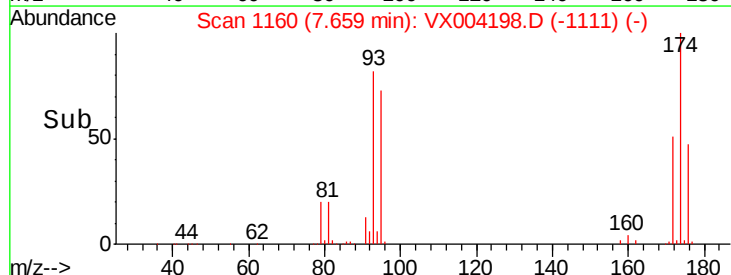
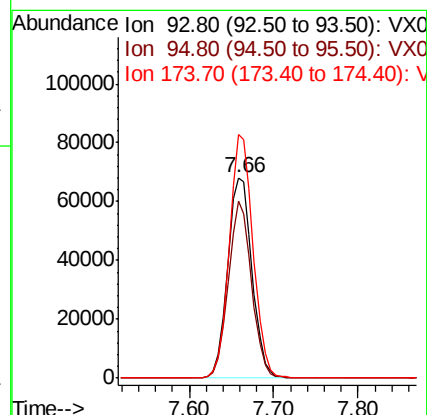
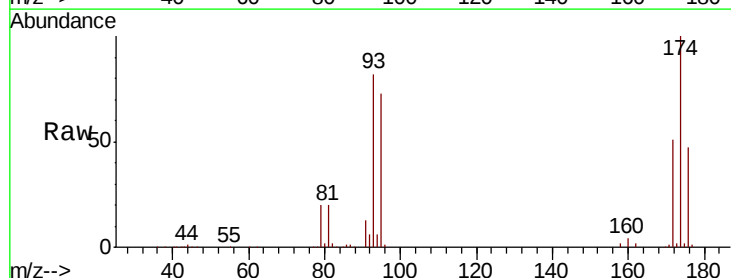
Tgt Ion: 93 Resp: 134654

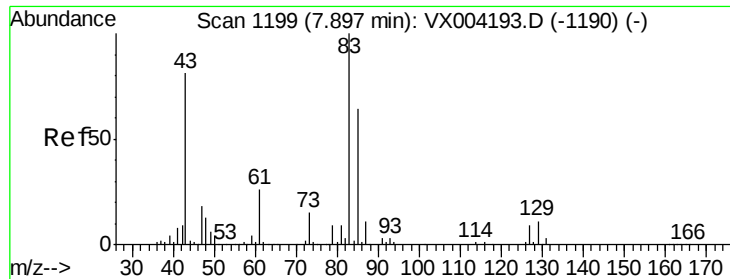
Ion Ratio Lower Upper

93 100

95 84.1 65.5 98.3

174 118.3 94.2 141.4





#47

Bromodichloromethane

Concen: 54.13 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

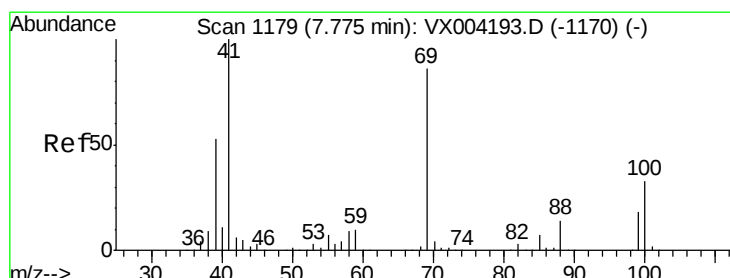
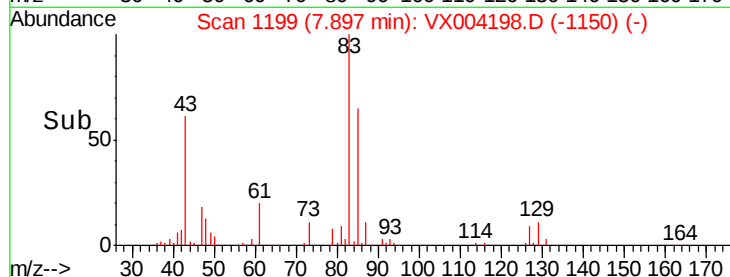
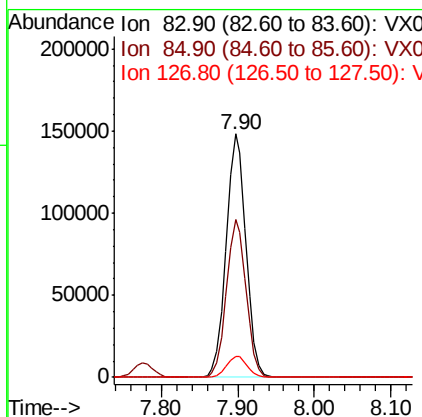
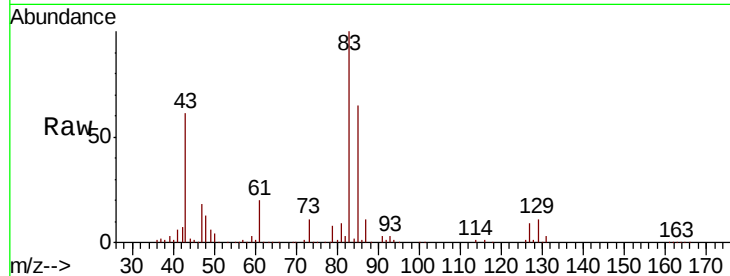
ClientSampleId :

ICVVX082218

Tot Ion:	83	Resp:	263159
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3
127	8.7	7.3	10.9

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#48

Methyl methacrylate

Concen: 54.70 ug/l

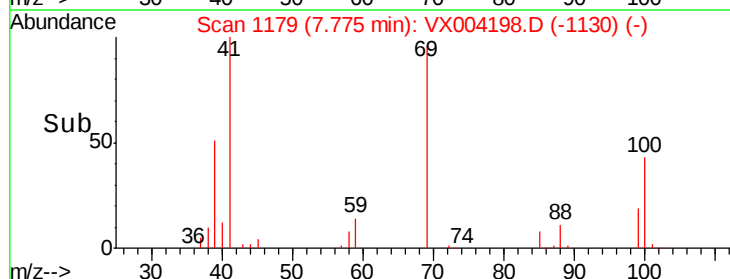
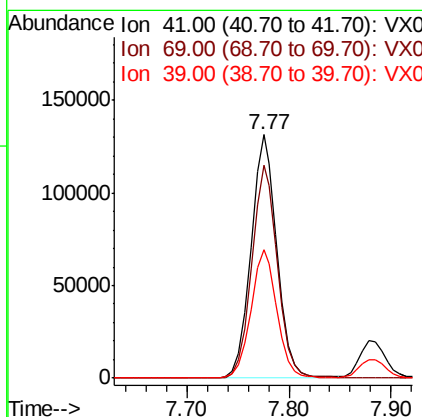
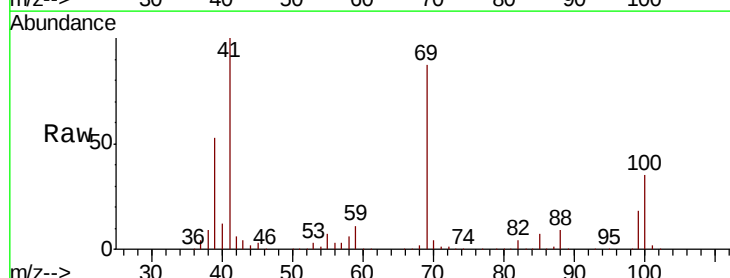
RT: 7.77 min Scan# 1179

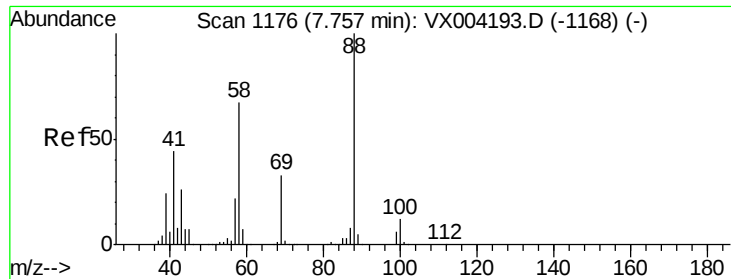
Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion:	41	Resp:	232081
Ion	Ratio	Lower	Upper
41	100		
69	87.1	70.2	105.4
39	52.8	42.7	64.1





#49

1,4-Dioxane

Concen: 1034.03 ug/l

RT: 7.75 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

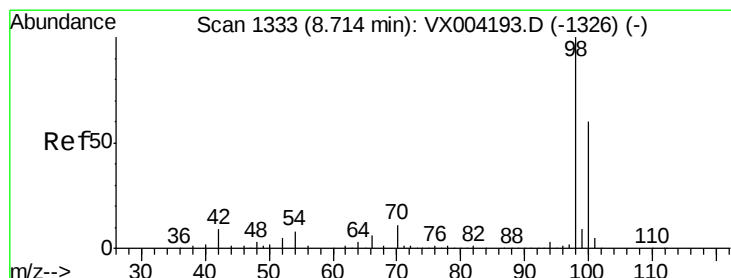
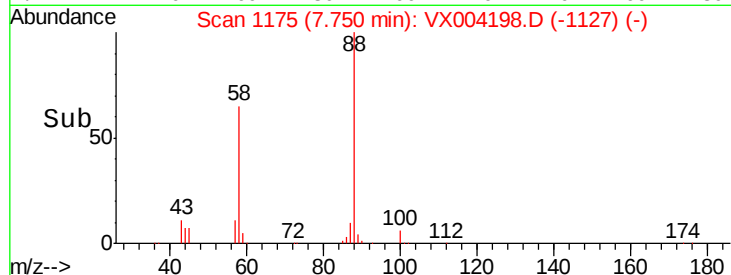
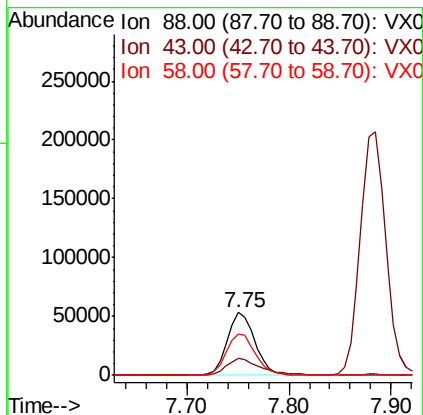
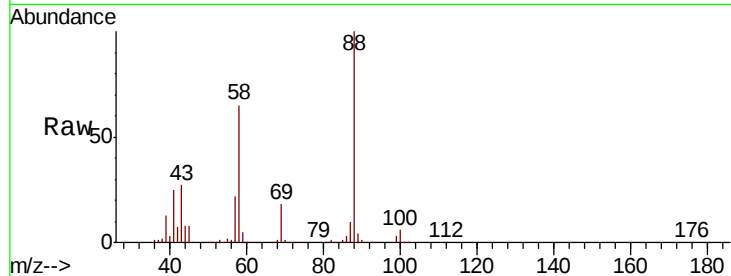
ClientSampleId :

ICVVX082218

Tot Ion:	88	Resp:	99613
Ion	Ratio	Lower	Upper
88	100		
43	32.5	24.7	37.1
58	69.3	55.3	82.9

Manual Integrations
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#50

Toluene-d8

Concen: 50.76 ug/l

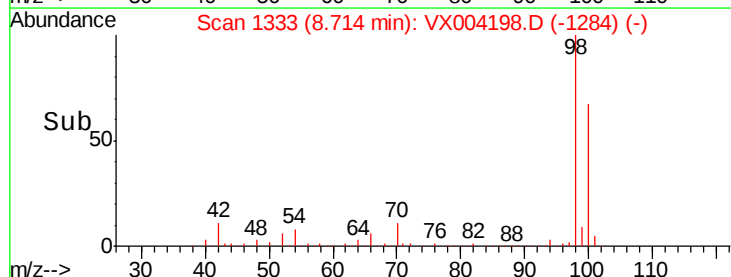
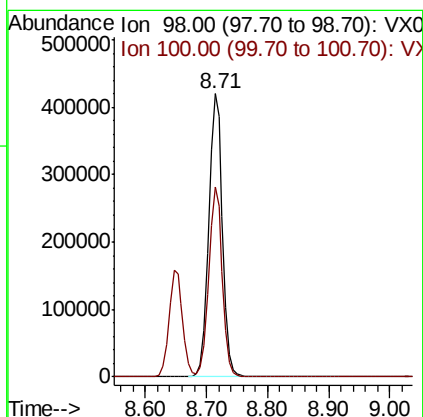
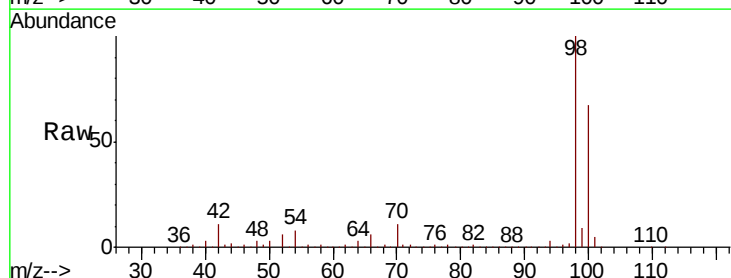
RT: 8.71 min Scan# 1333

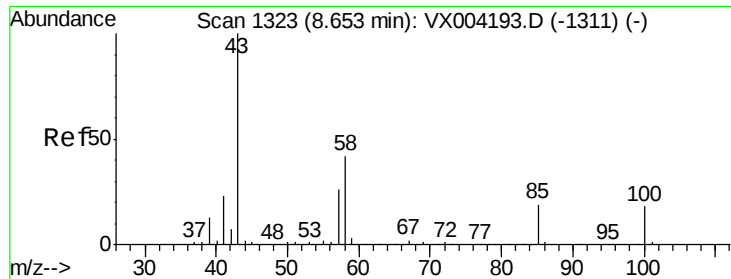
Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion:	98	Resp:	665243
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 250.05 ug/l

RT: 8.65 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampled :

ICVVX082218

Tot Ion: 43 Resp: 1440690

Ion Ratio Lower Upper

43 100

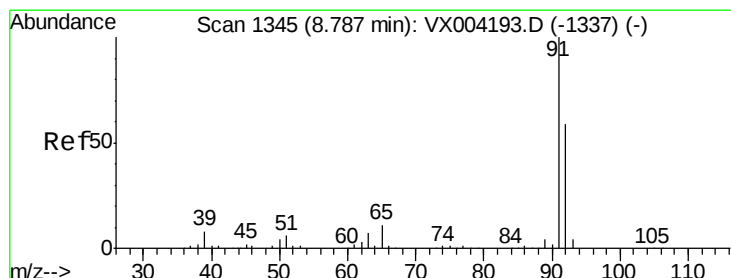
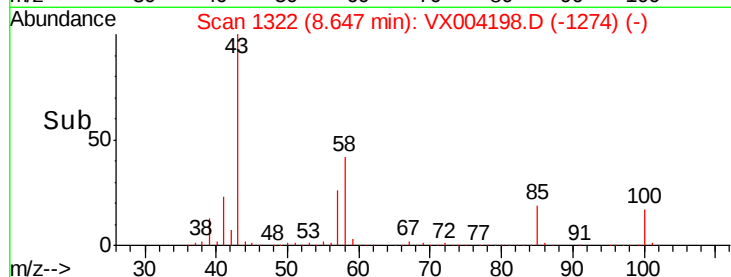
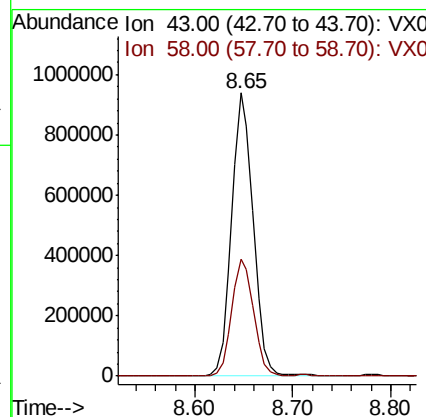
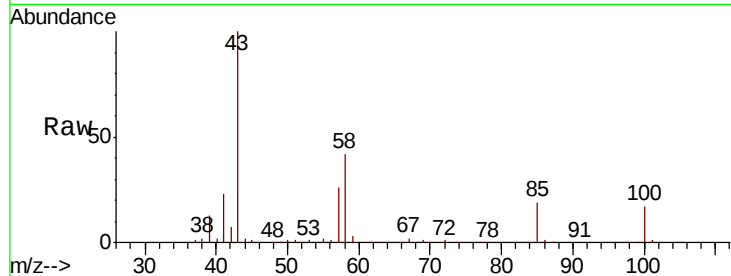
58 41.6 33.1 49.7

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#52

Toluene

Concen: 53.75 ug/l

RT: 8.78 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VX004198.D

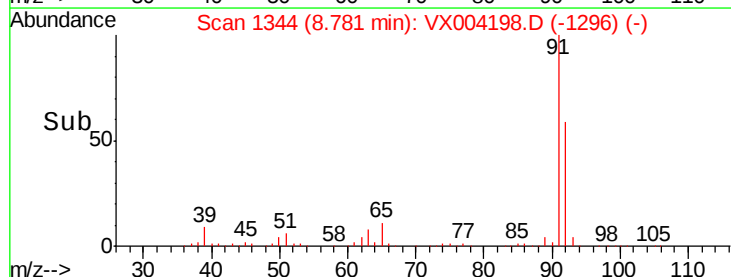
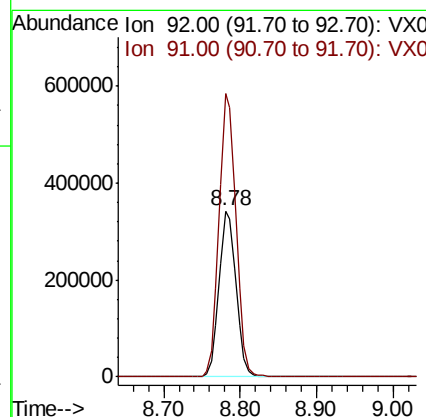
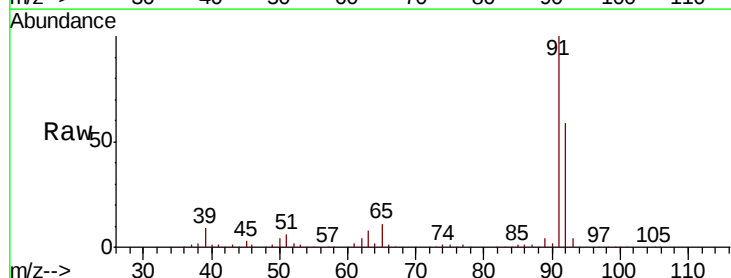
Acq: 22 Aug 2018 14:39

Tgt Ion: 92 Resp: 527490

Ion Ratio Lower Upper

92 100

91 170.6 136.4 204.6





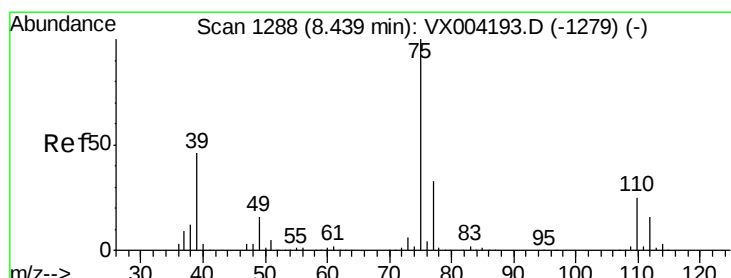
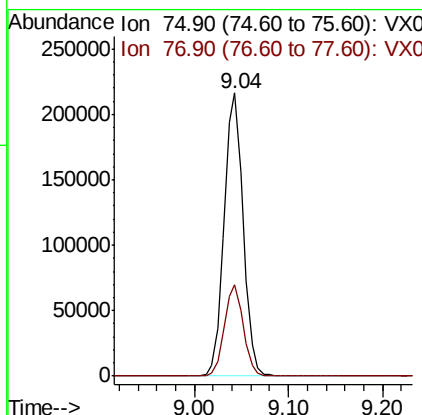
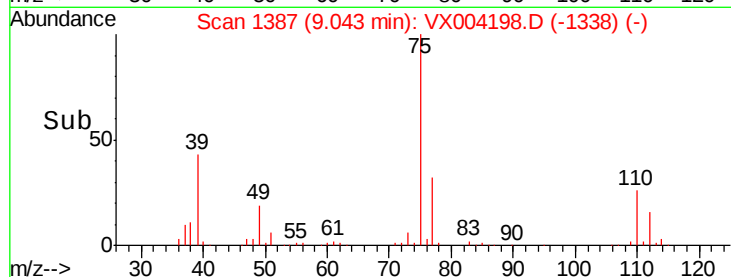
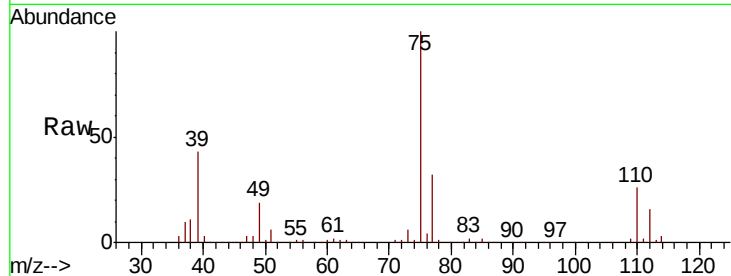
#53
t-1,3-Dichloropropene
Concen: 56.33 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.6	37.0

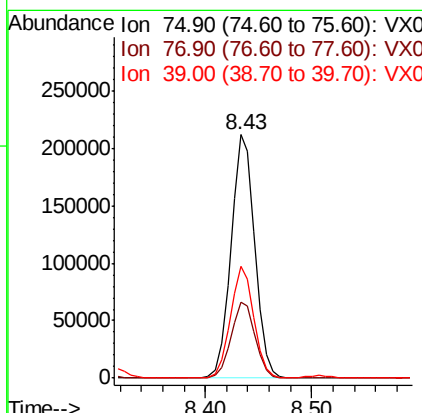
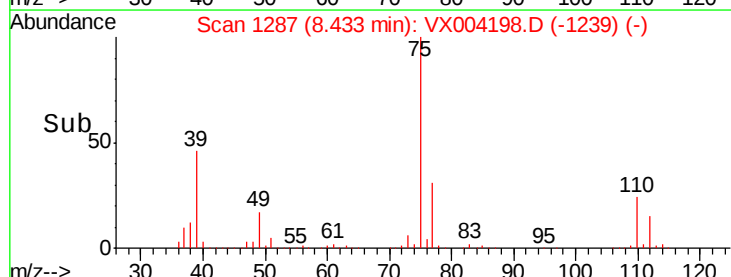
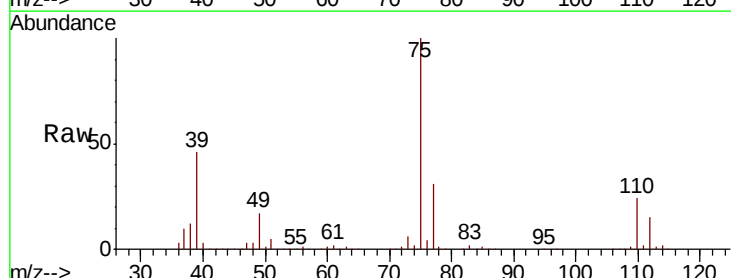
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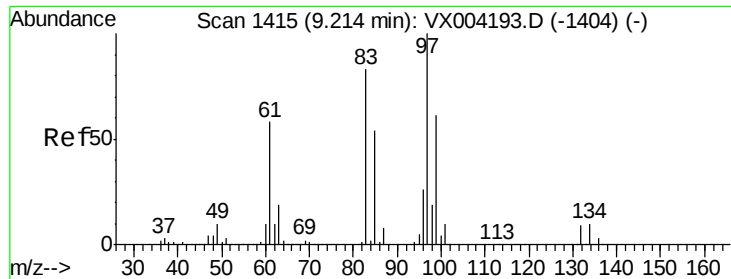
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 56.61 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.2	39.2
39	45.6	36.4	54.6





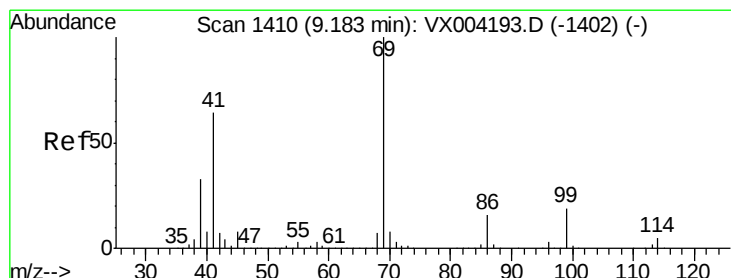
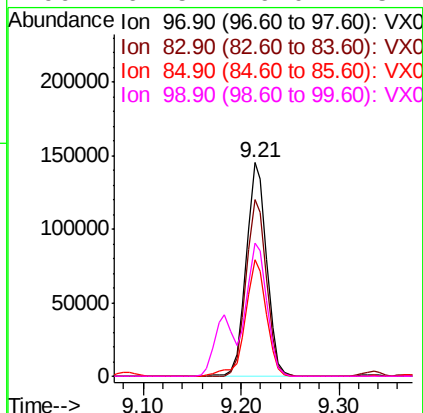
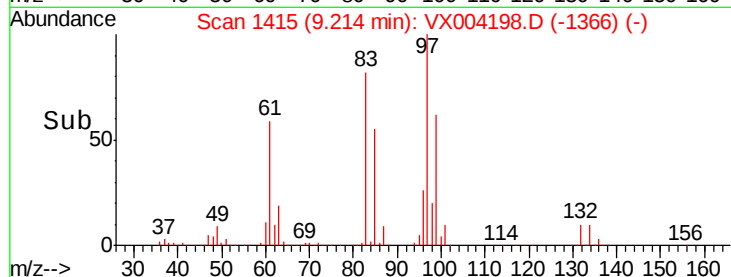
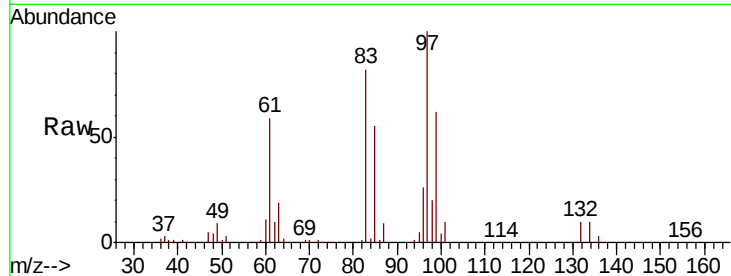
#55
 1,1,2-Trichloroethane
 Concen: 52.87 ug/l
 RT: 9.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX082218

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		209466		
83	82.4	66.4	99.6		
85	54.7	43.3	64.9		
99	62.5	49.0	73.4		

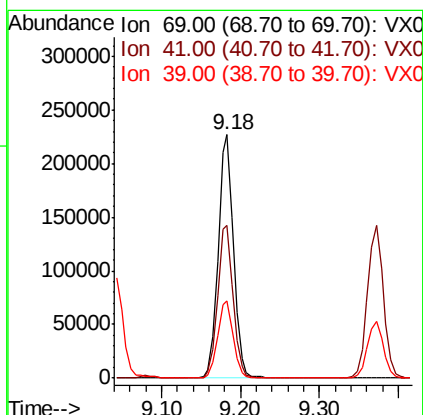
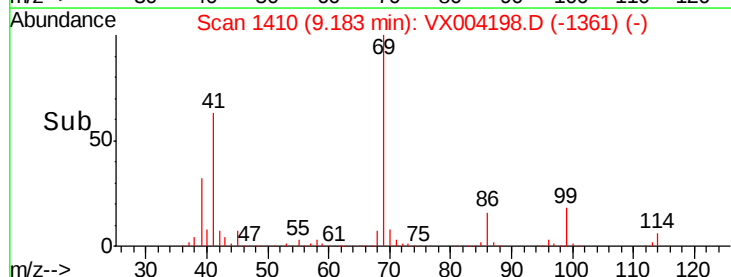
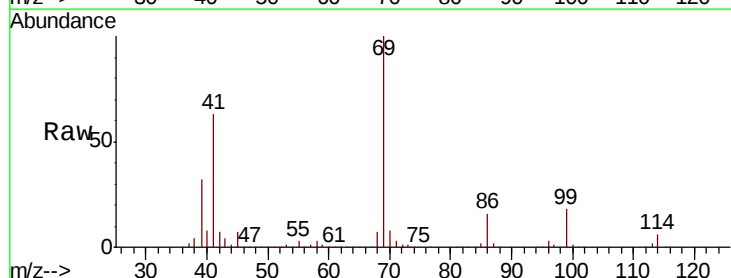
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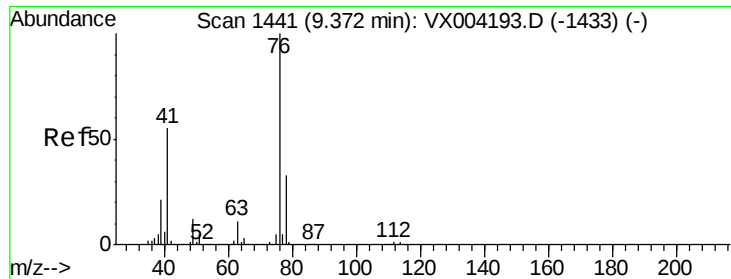
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#56
 Ethyl methacrylate
 Concen: 56.85 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		306588		
41	63.5	51.0	76.4		
39	32.3	26.1	39.1		





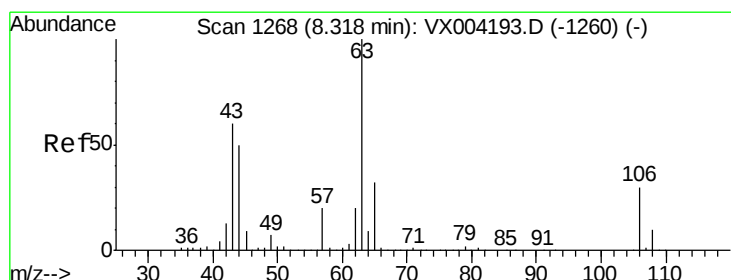
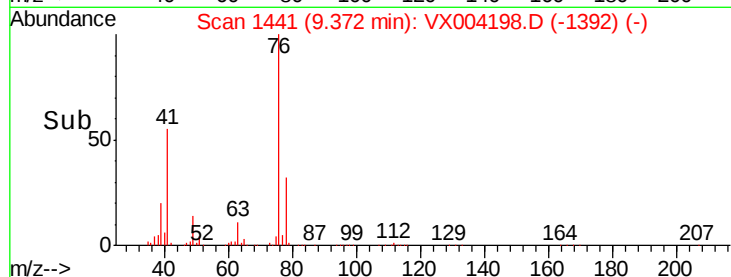
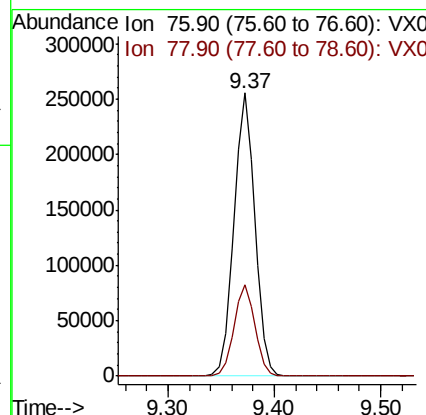
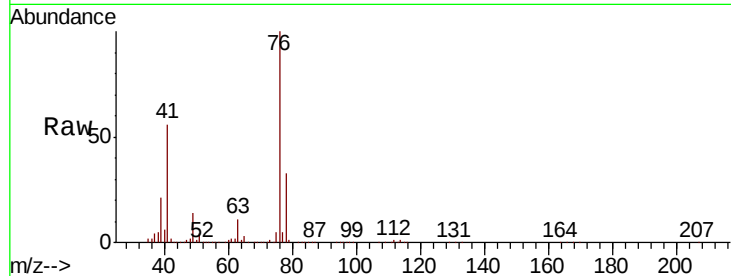
#57
 1,3-Dichloropropane
 Concen: 53.06 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX082218

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

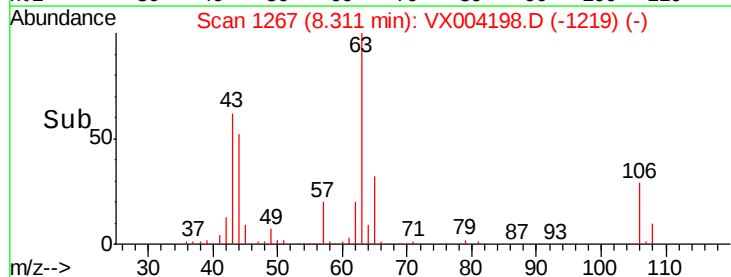
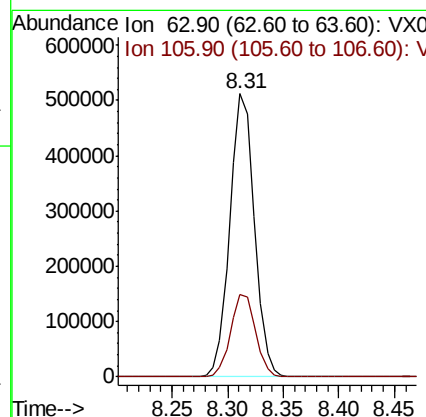
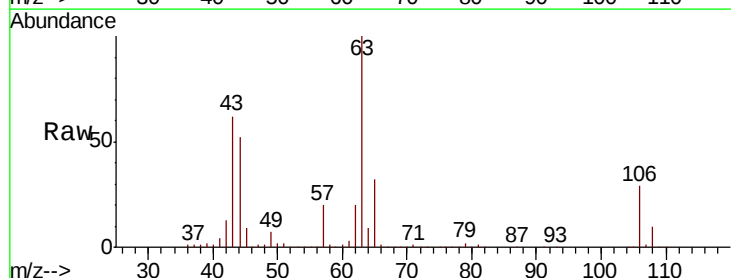
Manual Integrations
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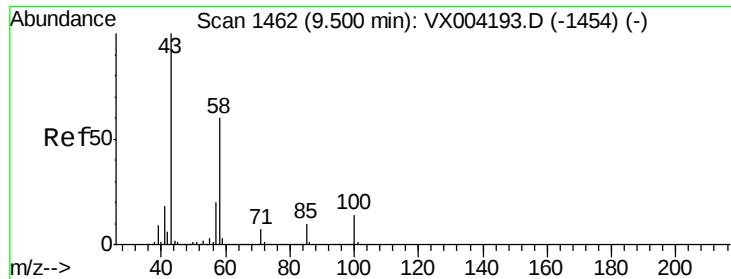
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 283.88 ug/l
 RT: 8.31 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	23.9	35.9





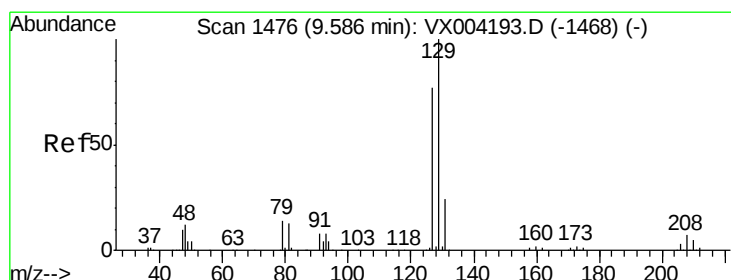
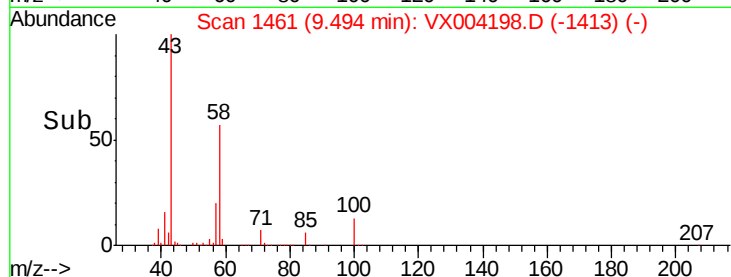
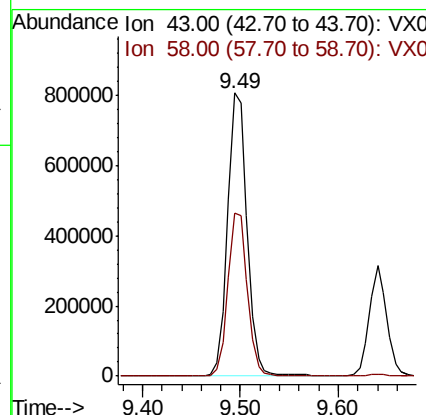
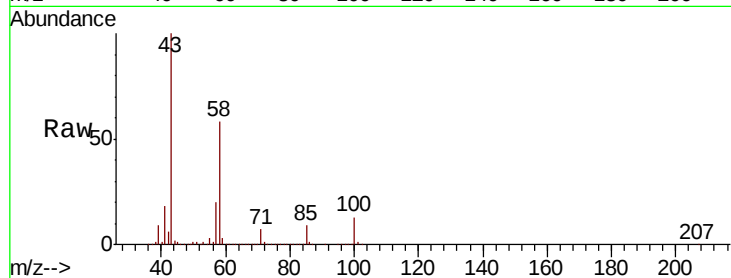
#59
2-Hexanone
Concen: 253.76 ug/l
RT: 9.49 min Scan# 1461
Delta R.T. -0.01 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion: 43 Resp: 1115386
Ion Ratio Lower Upper
43 100
58 57.8 29.0 87.0

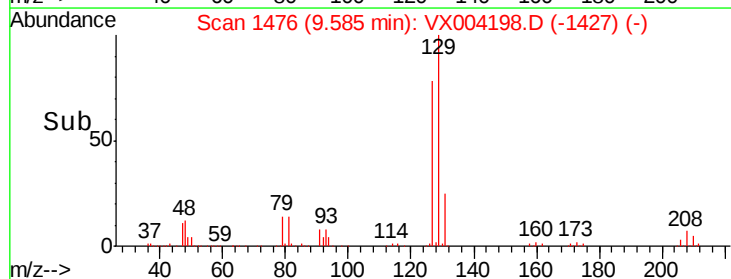
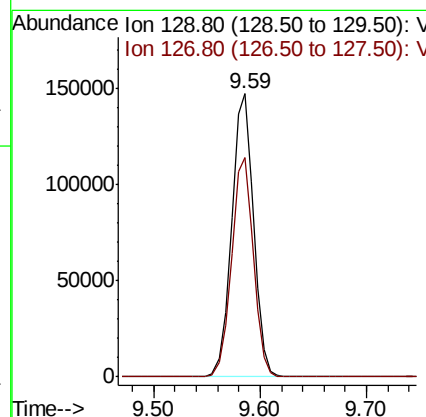
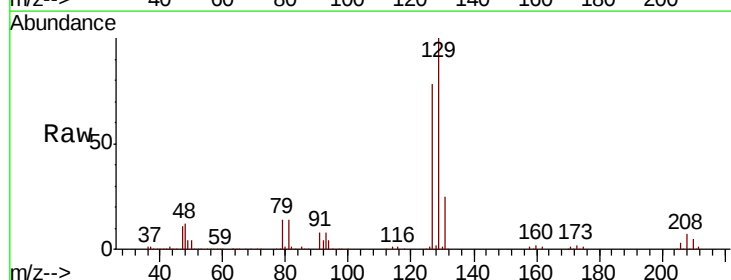
Manual Integrations
APPROVED

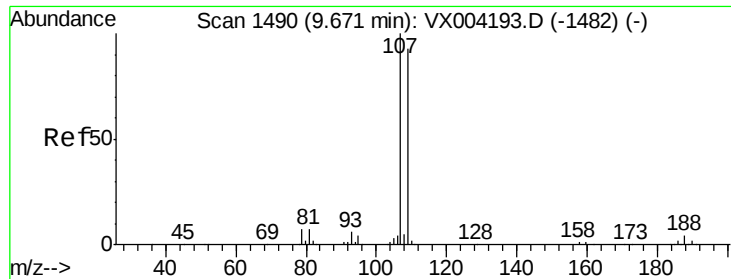
MMDadoda
8/23/2018 9:40:14 AM



#60
Dibromochloromethane
Concen: 54.92 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion: 129 Resp: 211983
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.94 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion:107 Resp: 221172

Ion Ratio Lower Upper

107 100

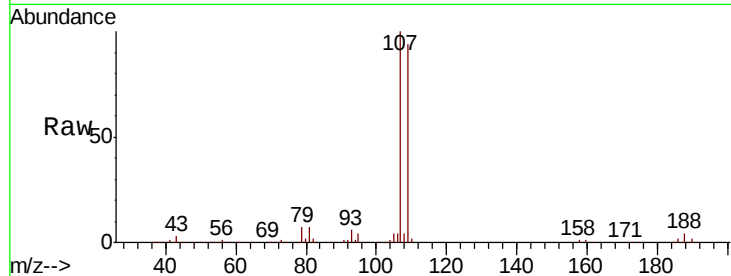
109 94.0 76.0 114.0

Manual Integrations

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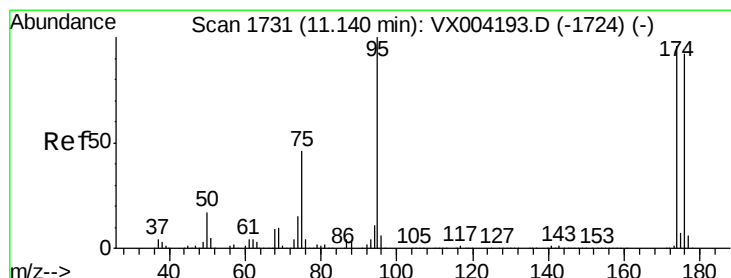
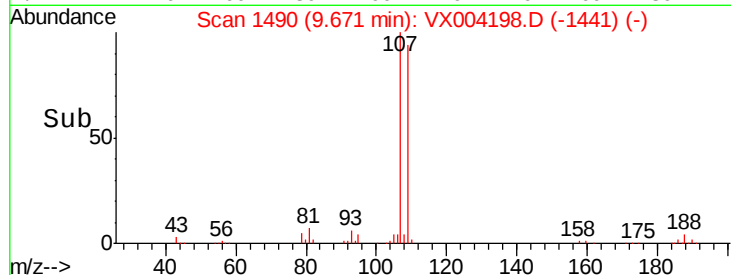
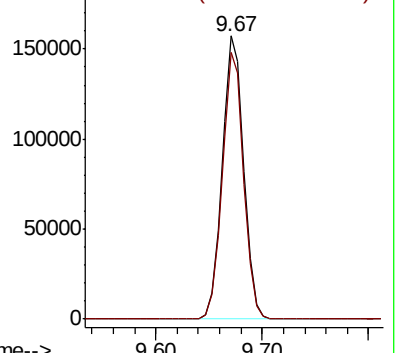
MMDadoda

8/23/2018 9:40:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

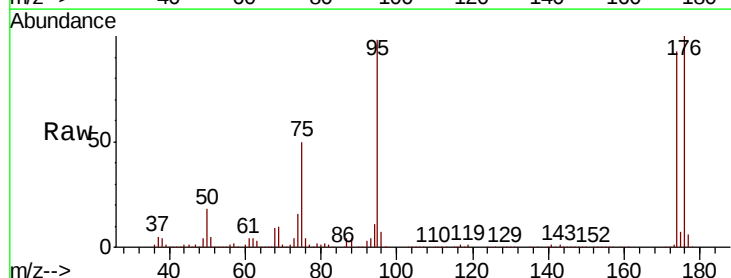
Tgt Ion: 95 Resp: 230377

Ion Ratio Lower Upper

95 100

174 91.9 0.0 185.2

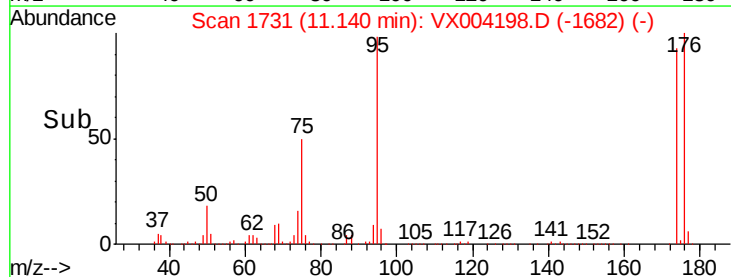
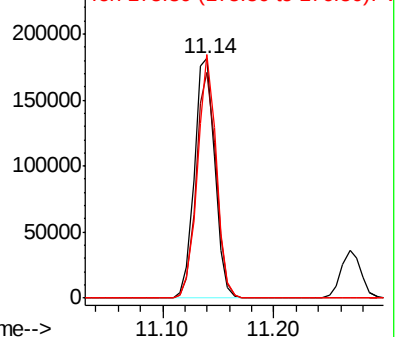
176 93.1 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





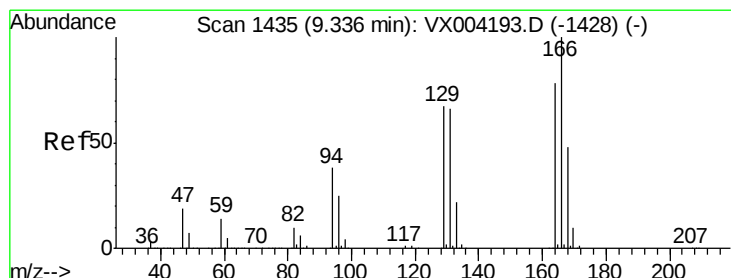
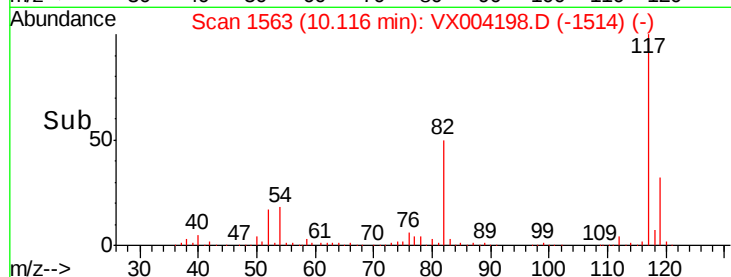
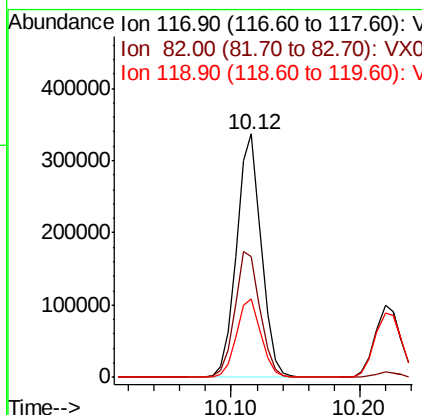
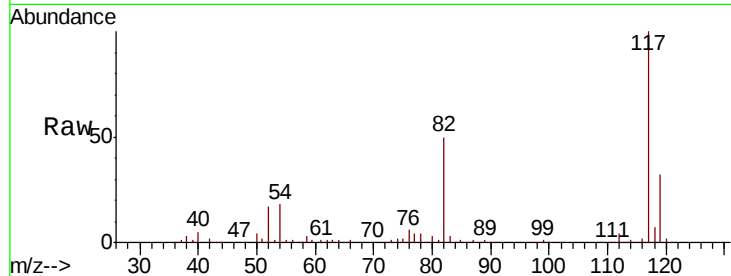
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	47.8	71.6
119	32.4	29.3	43.9

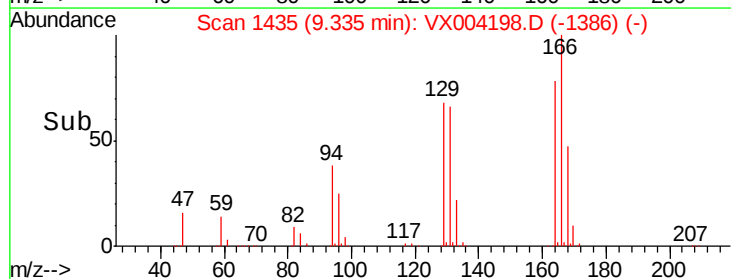
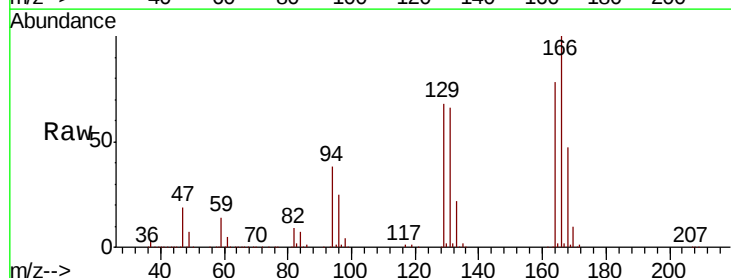
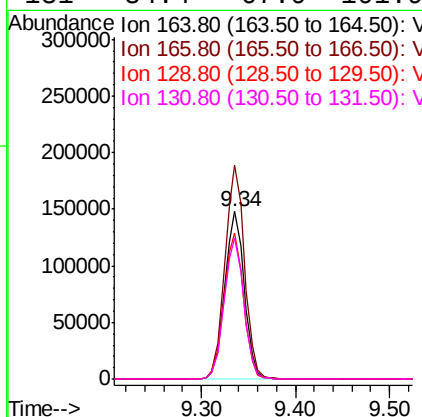
Manual Integrations
APPROVED

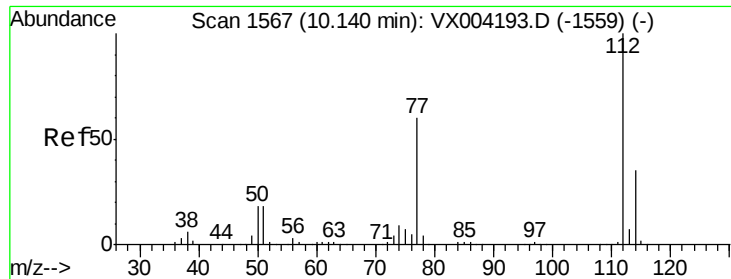
MMDadoda
8/23/2018 9:40:14 AM



#64
Tetrachloroethene
Concen: 48.00 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.8	154.2
129	87.1	69.4	104.0
131	84.4	67.9	101.9





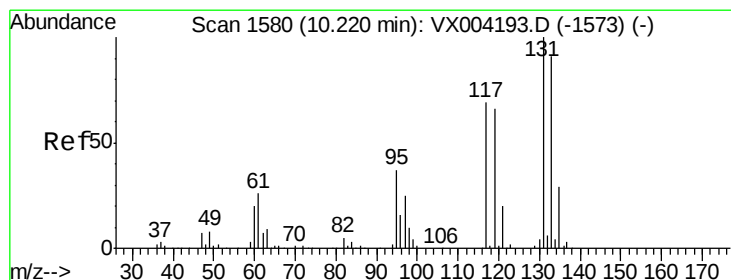
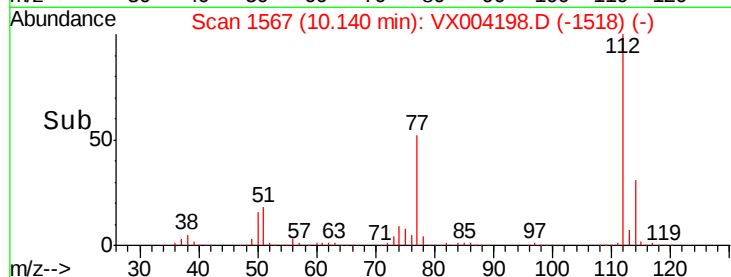
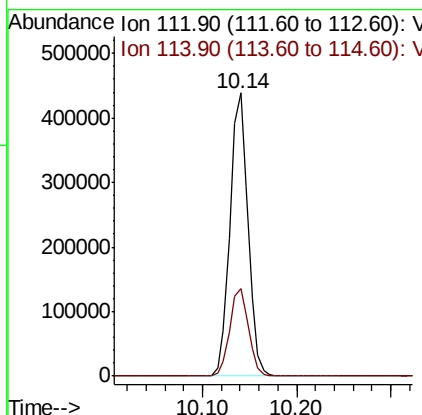
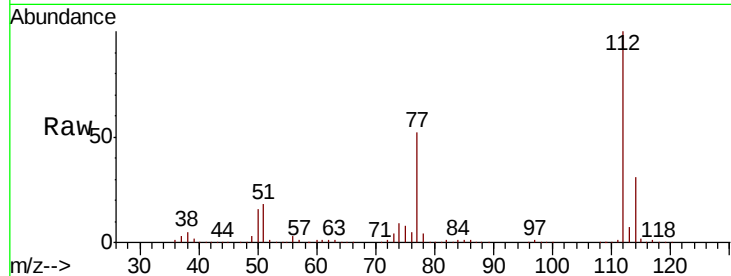
#65
Chlorobenzene
Concen: 51.92 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	27.8	41.8

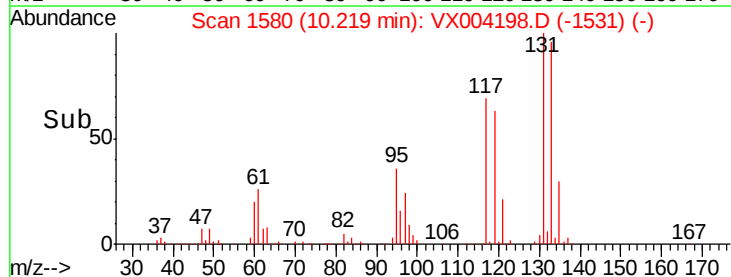
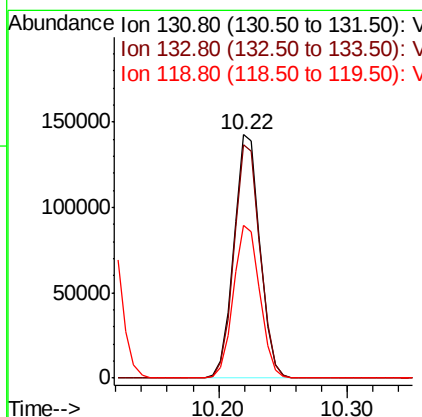
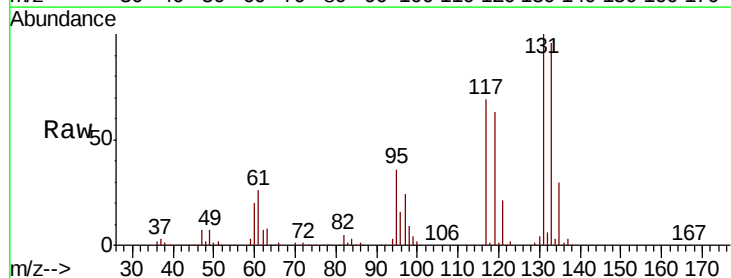
Manual Integrations
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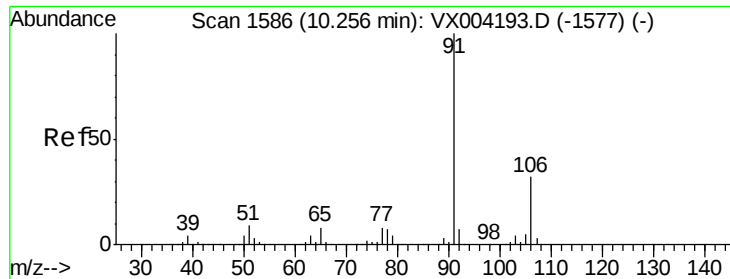
MMDadoda
8/23/2018 9:40:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.74 ug/l
RT: 10.22 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.1	144.4
119	64.0	32.9	98.6





#67

Ethyl Benzene

Concen: 52.84 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 91 Resp: 962103

Ion Ratio Lower Upper

91 100

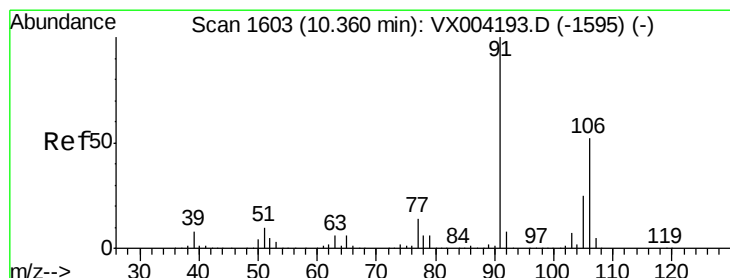
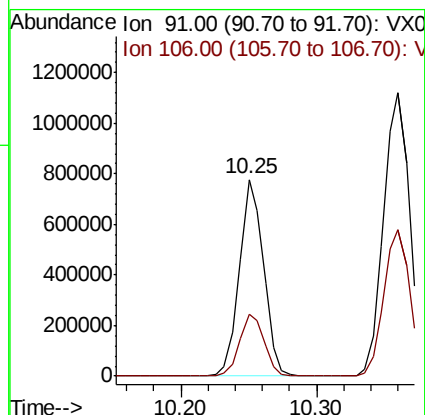
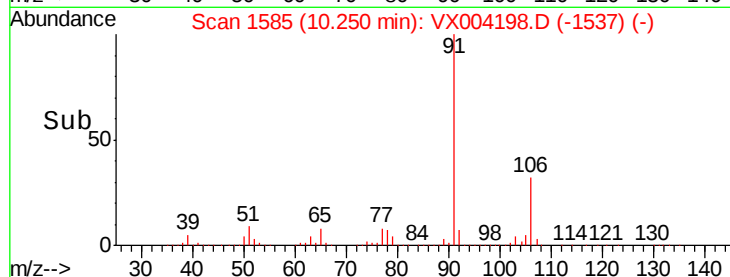
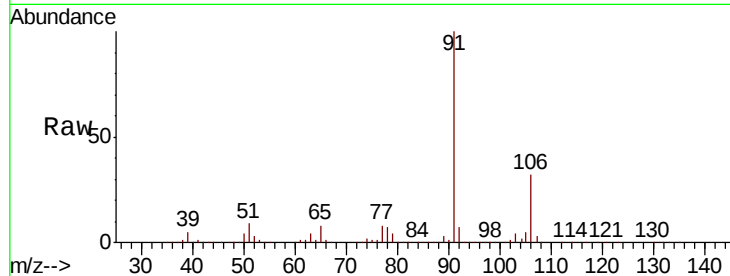
106 31.7 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

8/23/2018 9:40:14 AM



#68

m/p-Xylenes

Concen: 109.00 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004198.D

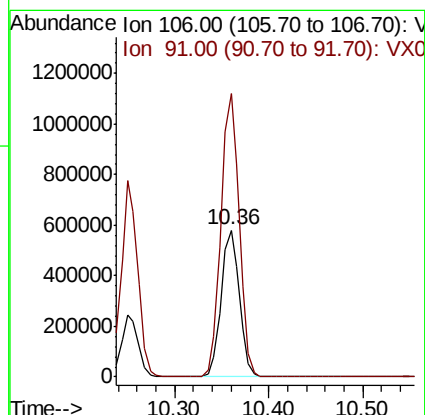
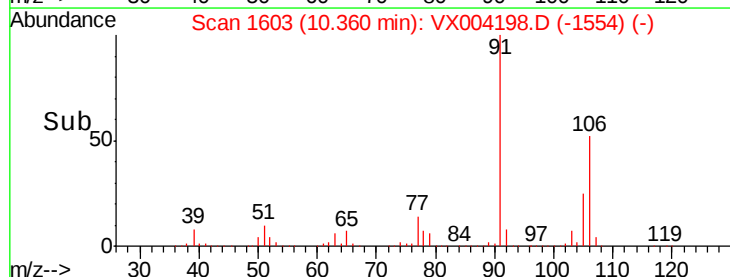
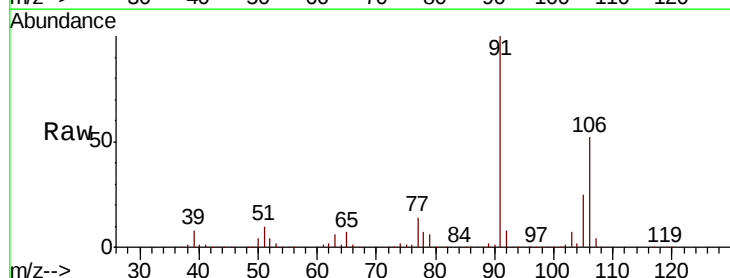
Acq: 22 Aug 2018 14:39

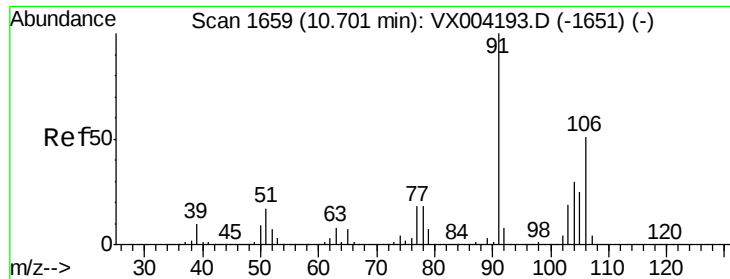
Tgt Ion: 106 Resp: 776054

Ion Ratio Lower Upper

106 100

91 193.9 157.1 235.7





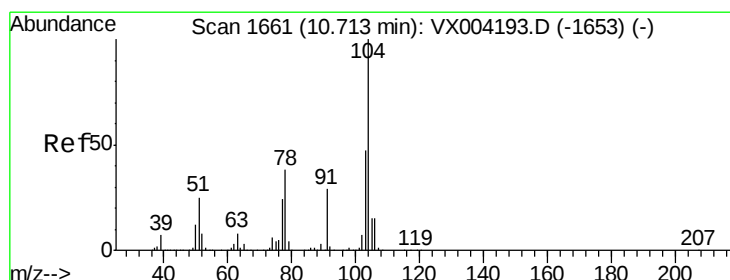
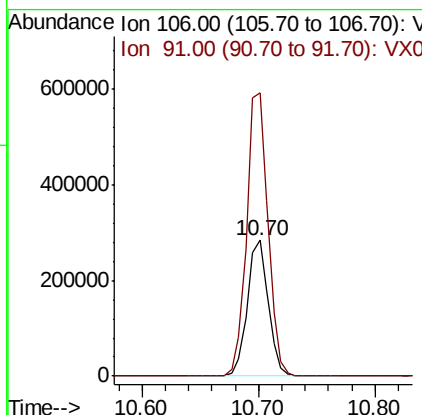
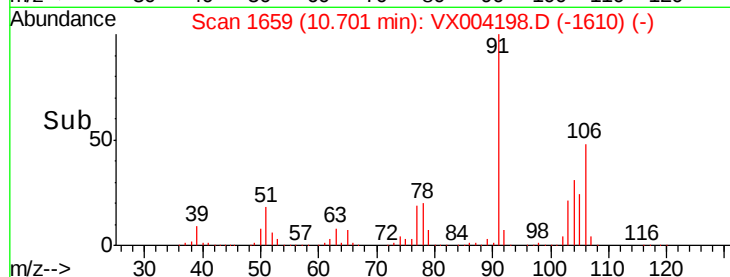
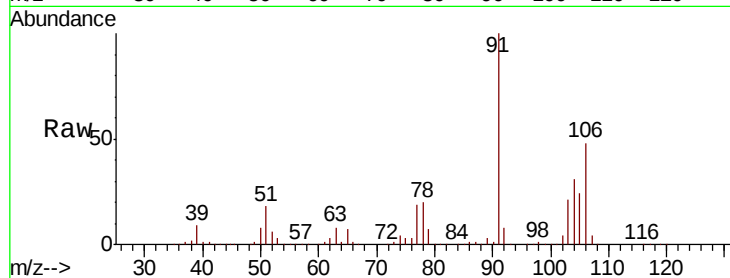
#69
o-Xylene
Concen: 53.16 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.7	105.1	315.1

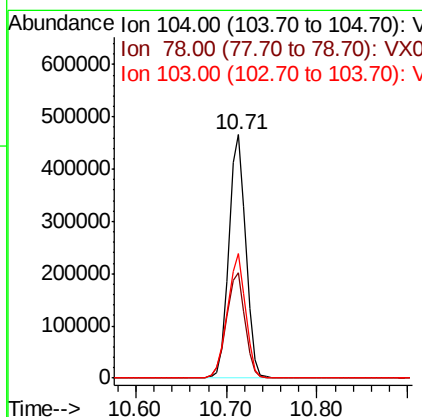
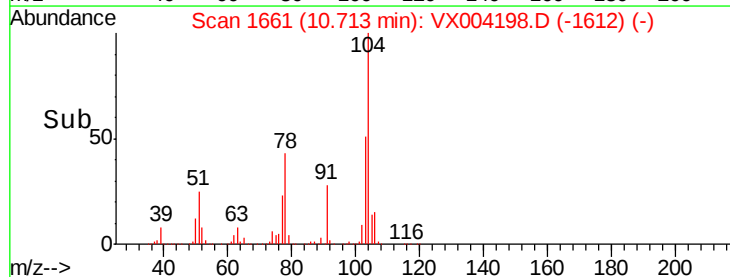
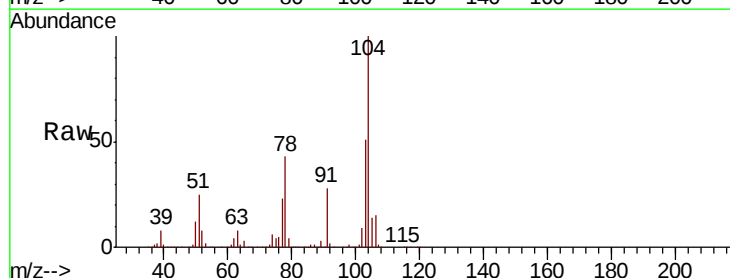
Manual Integrations
APPROVED

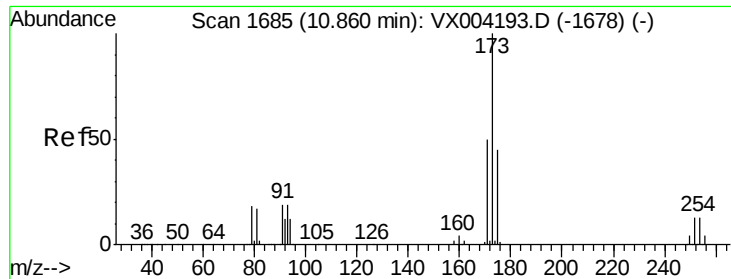
MMDadoda
8/23/2018 9:40:14 AM



#70
Styrene
Concen: 55.29 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	37.4	56.0
103	54.7	43.8	65.6





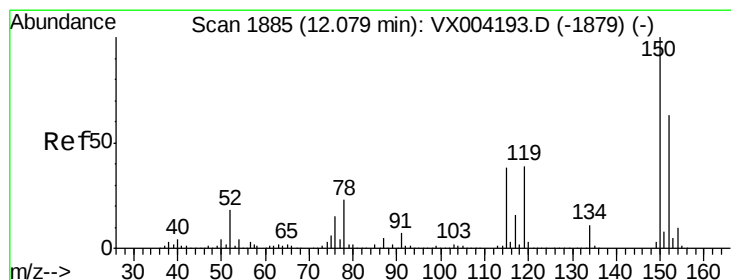
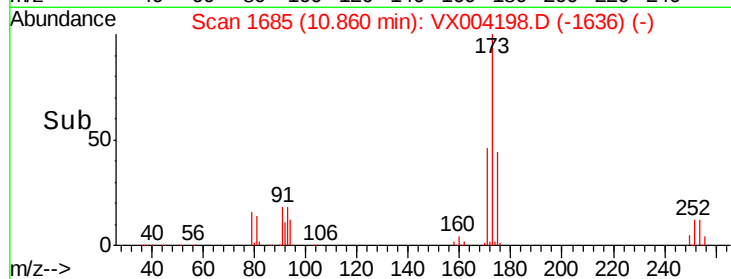
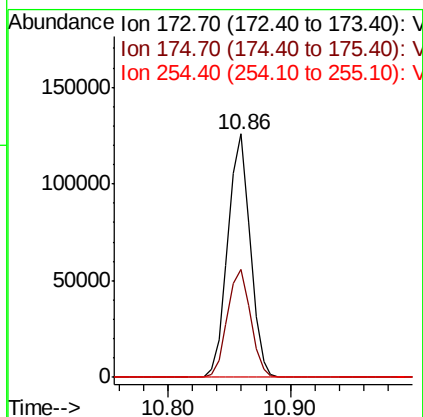
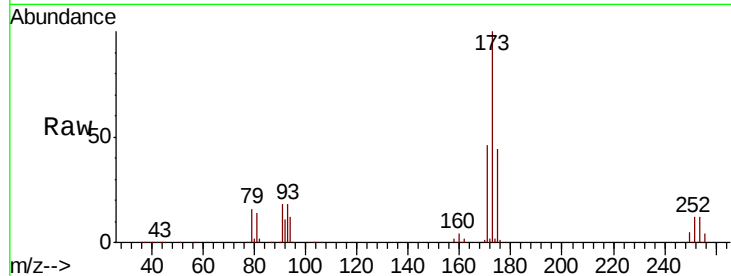
#71
Bromoform
Concen: 51.15 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.1	72.3
254	0.2	0.2	0.2

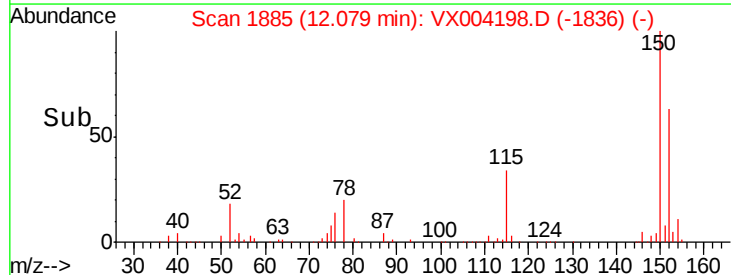
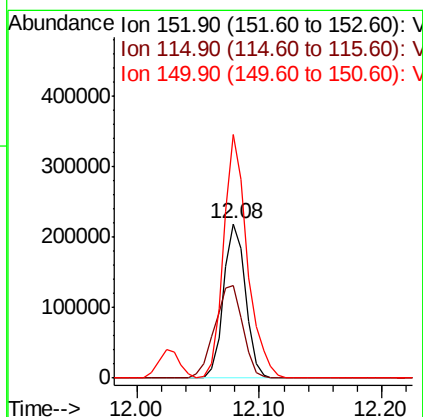
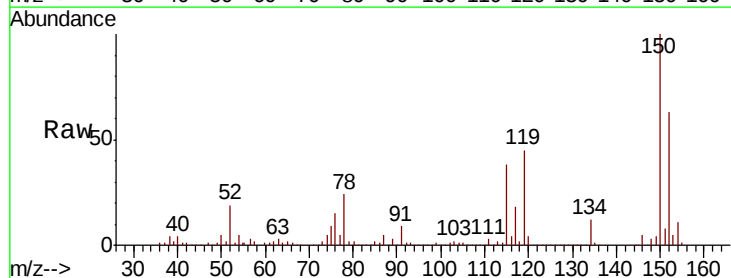
Manual Integrations
APPROVED

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8/23/2018 9:40:14 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.4	39.0	117.0
150	171.6	0.0	351.0





#73

Isopropylbenzene

Concen: 53.15 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 105 Resp: 941261

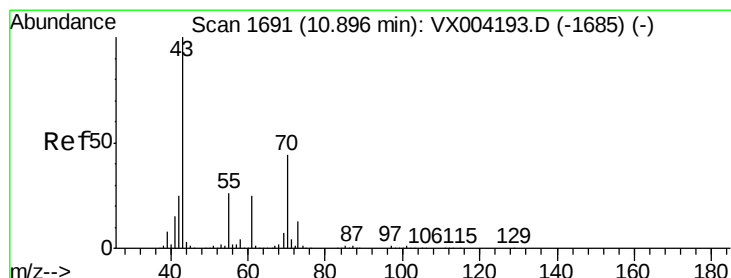
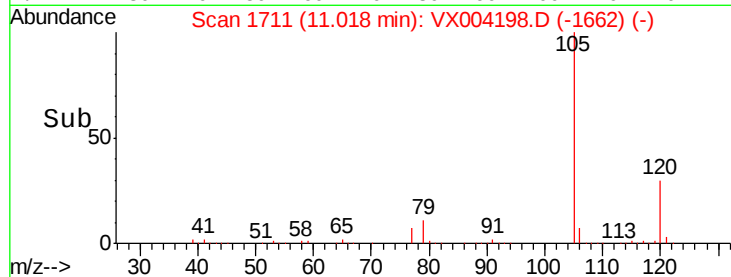
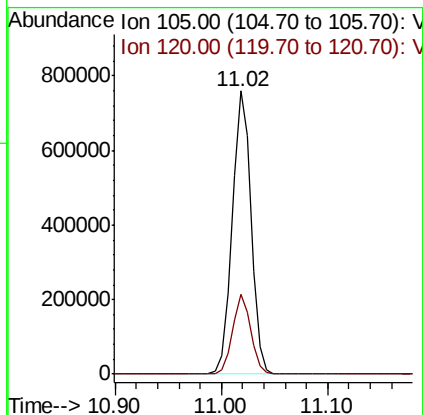
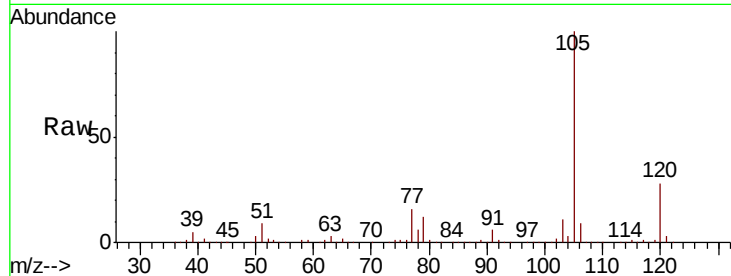
Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4

Manual Integrations
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8/23/2018 9:40:14 AM



#74

N-ethyl acetate

Concen: 54.28 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion: 43 Resp: 370088

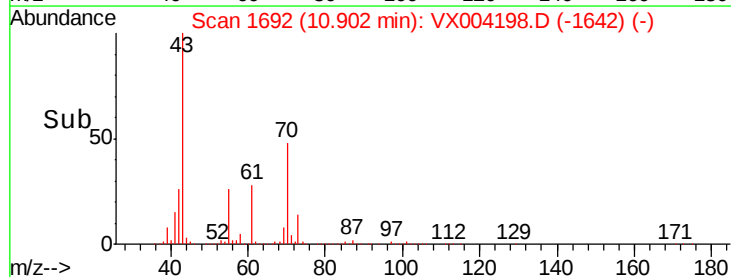
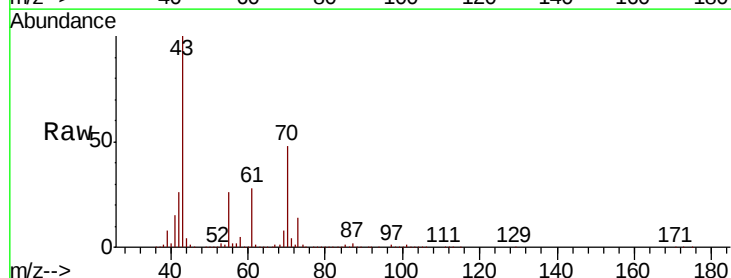
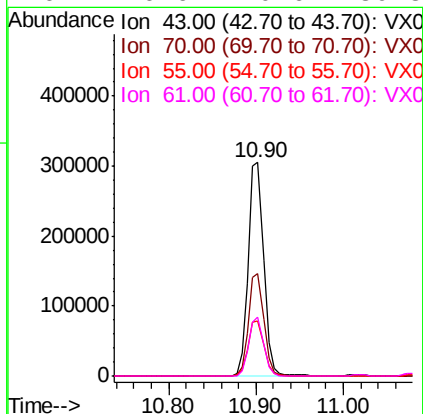
Ion Ratio Lower Upper

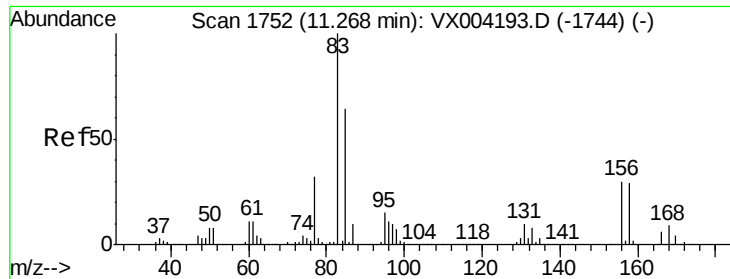
43 100

70 47.5 37.4 56.0

55 26.5 21.8 32.8

61 26.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.20 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 83 Resp: 304898

Ion Ratio Lower Upper

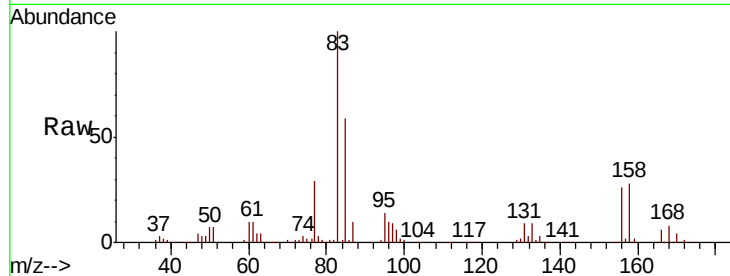
83 100

131 10.0 5.2 15.6

85 61.7 32.3 96.8

Manual Integrations
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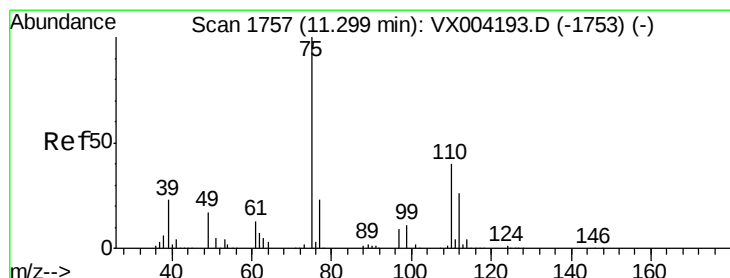
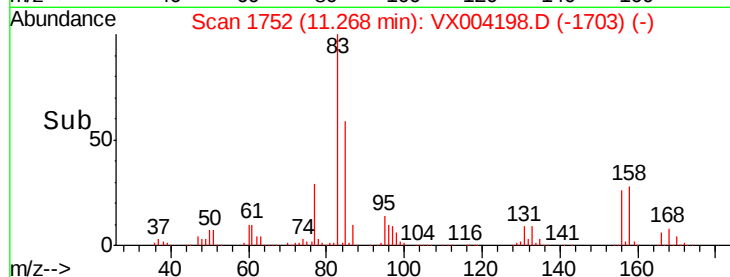
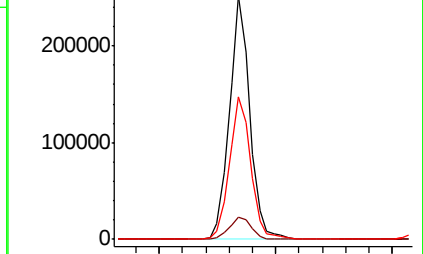
MMDadoda
8/23/2018 9:40:14 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 48.30 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004198.D

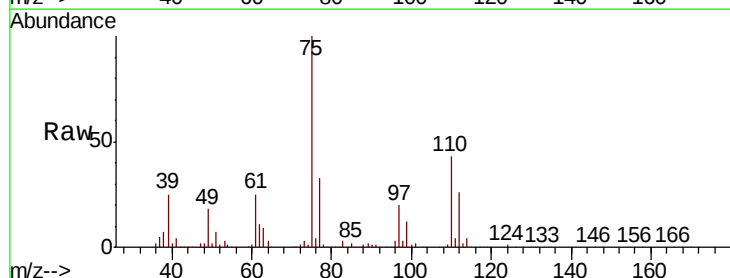
Acq: 22 Aug 2018 14:39

Tgt Ion: 75 Resp: 264868

Ion Ratio Lower Upper

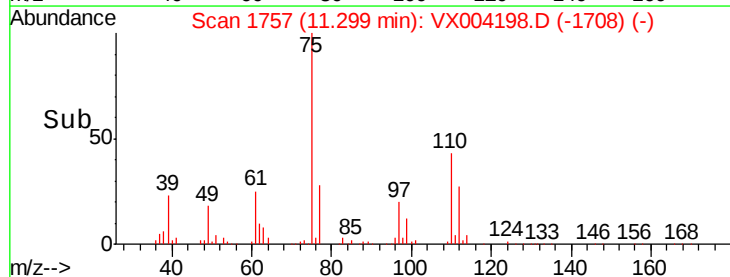
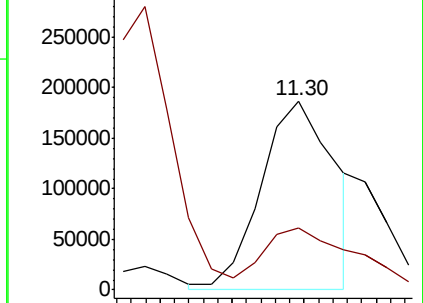
75 100

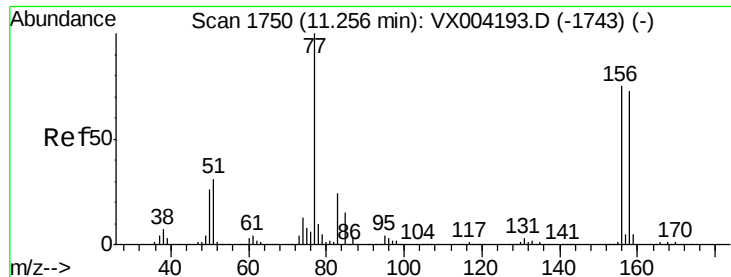
77 41.3 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.53 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

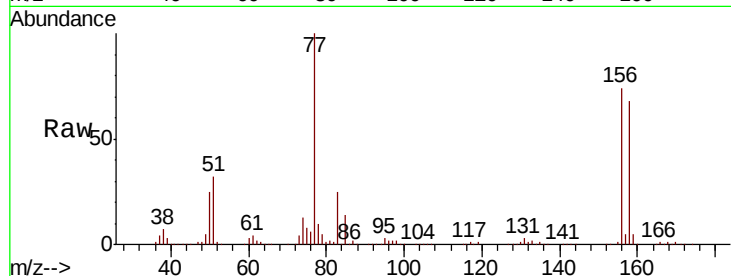
ClientSampleId :

ICVVX082218

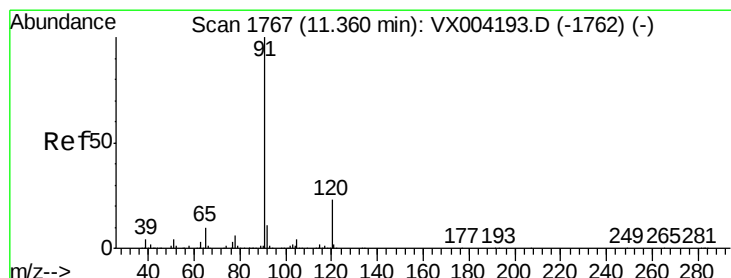
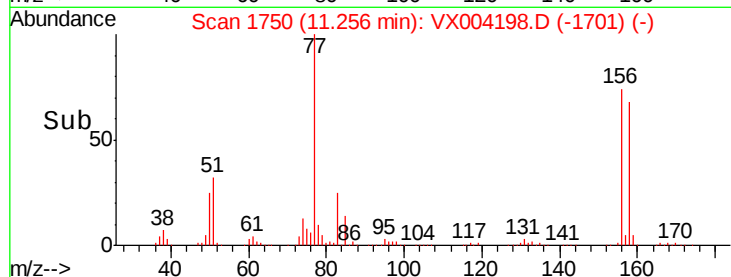
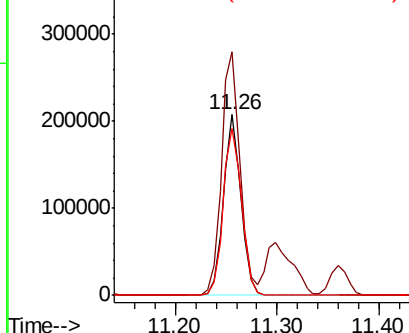
Tot Ion:	156	Resp:	246032
Ion	Ratio	Lower	Upper
156	100		
77	144.6	71.5	214.3
158	98.2	48.9	146.8

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.12 ug/l

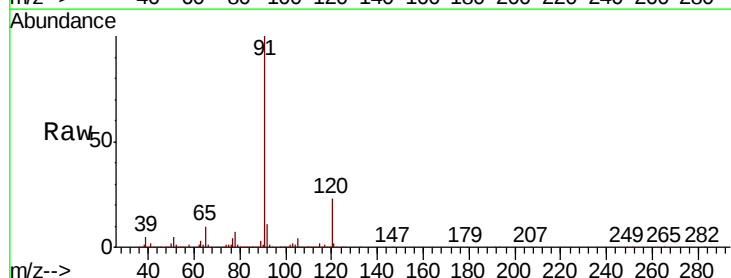
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

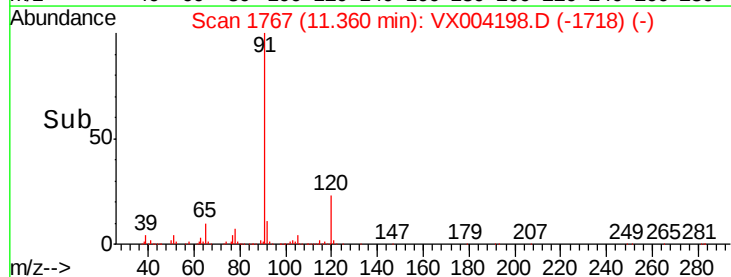
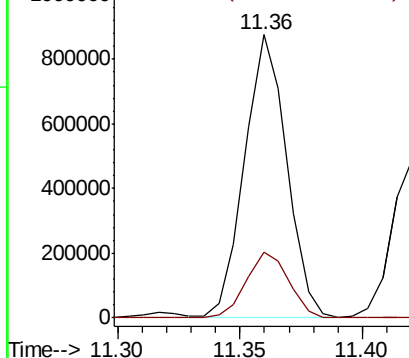
Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion:	91	Resp:	1041152
Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.36 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 91 Resp: 631360

Ion Ratio Lower Upper

91 100

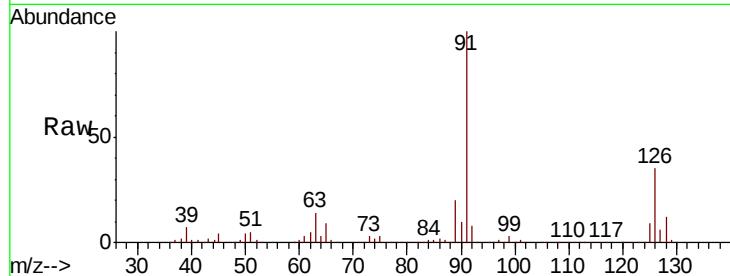
126 34.8 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1772) (-)

1000000

800000

600000

400000

200000

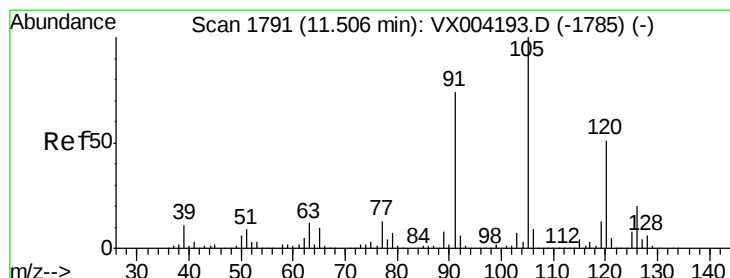
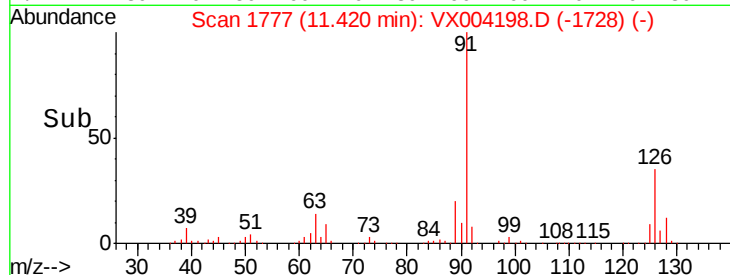
0

11.40

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.32 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004198.D

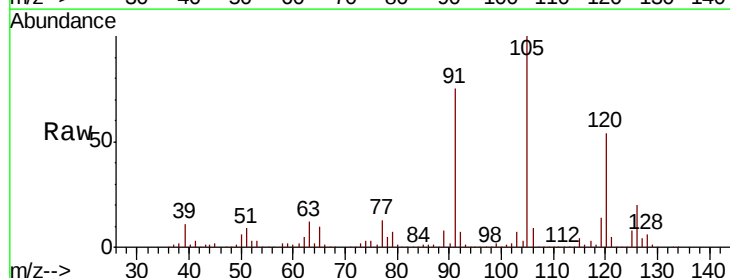
Acq: 22 Aug 2018 14:39

Tgt Ion:105 Resp: 767333

Ion Ratio Lower Upper

105 100

120 51.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004193.D (-1785) (-)

600000

400000

200000

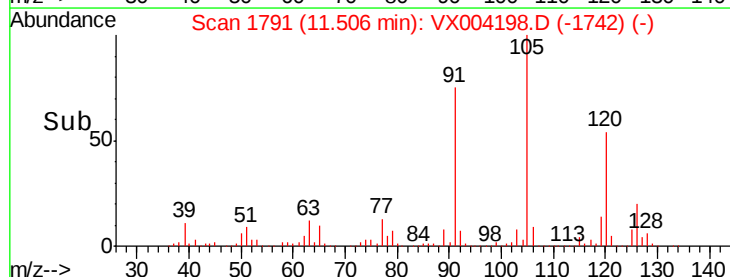
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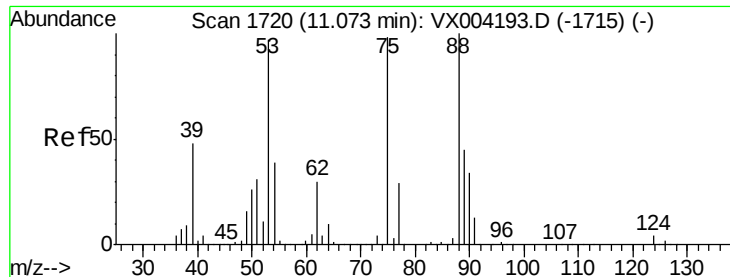
11.50

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 56.52 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

ClientSampleId :

ICVVX082218

Tot Ion: 75 Resp: 95527

Ion Ratio Lower Upper

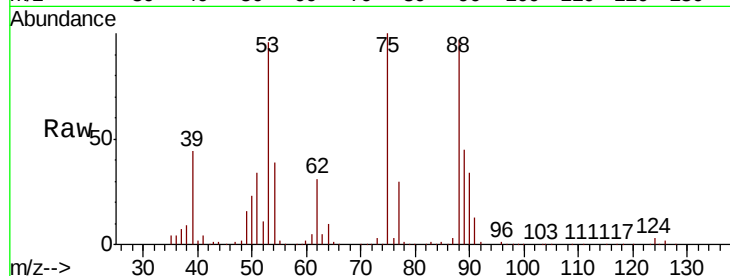
75 100

53 95.5 80.1 120.1

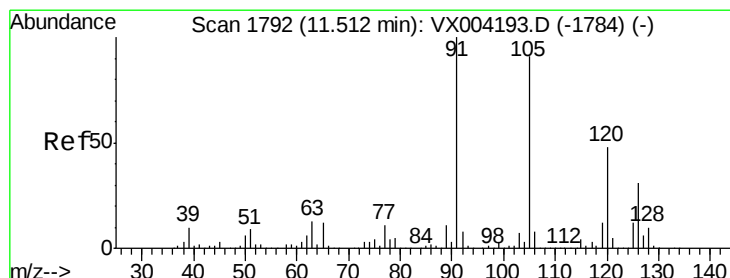
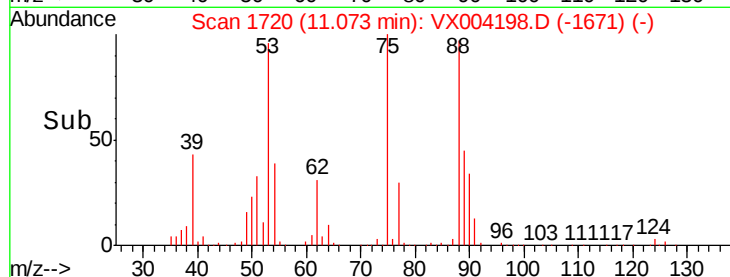
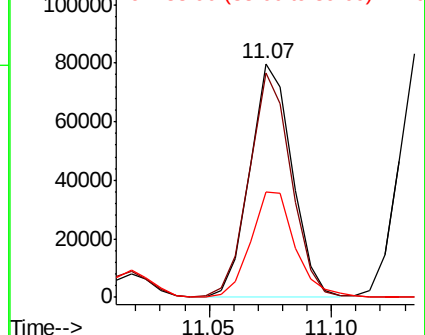
89 47.8 37.2 55.8

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.04 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004198.D

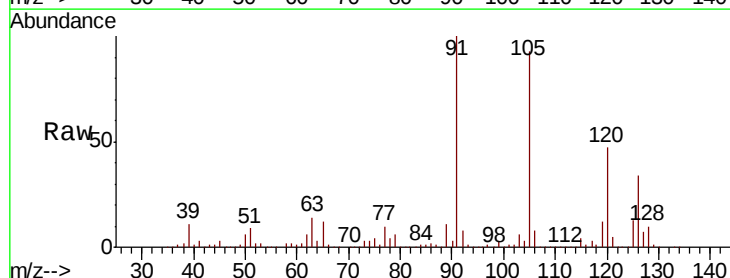
Acq: 22 Aug 2018 14:39

Tgt Ion: 91 Resp: 723435

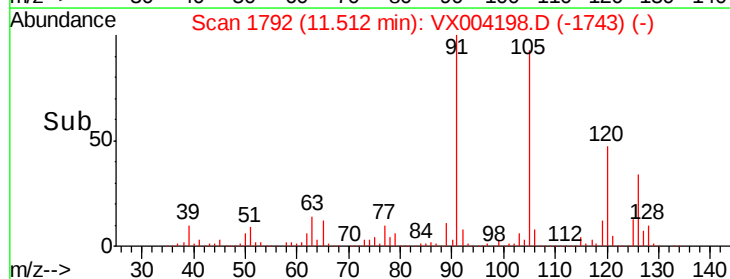
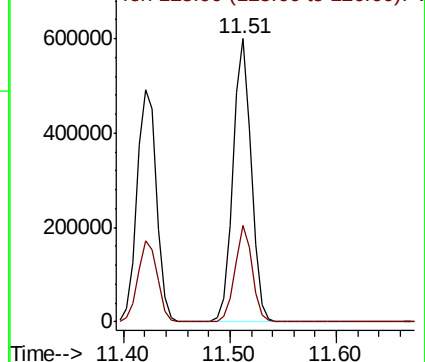
Ion Ratio Lower Upper

91 100

126 32.2 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





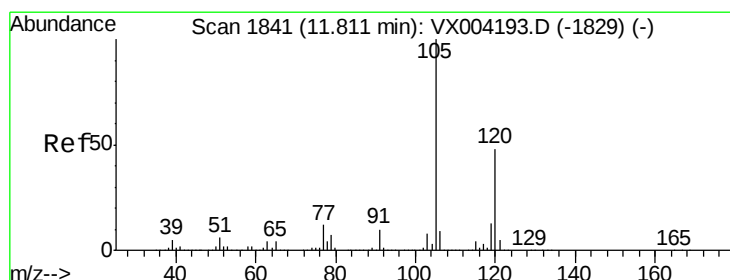
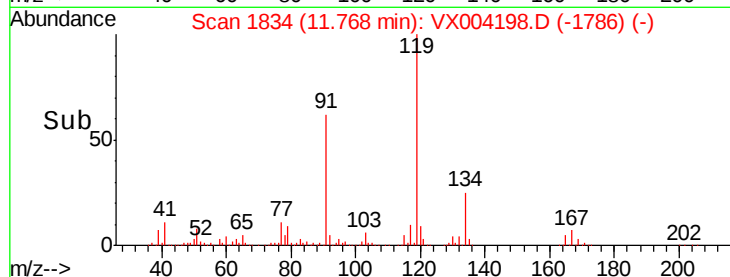
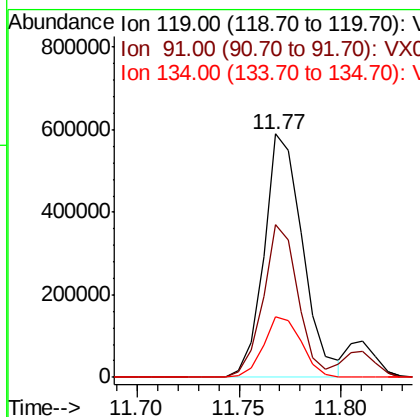
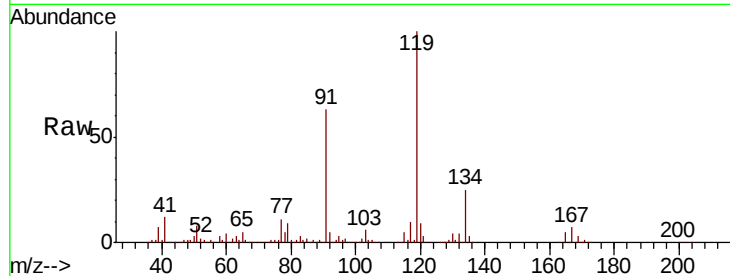
#83
 tert-Butylbenzene
 Concen: 52.83 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX082218

Tot Ion	Ratio	Resp	Lower	Upper
119	100	779506		
91	56.5		27.0	81.0
134	24.4		11.7	35.1

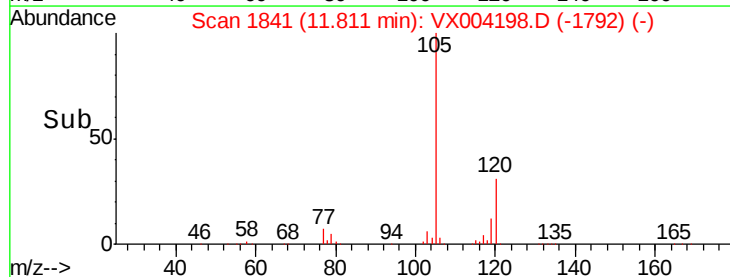
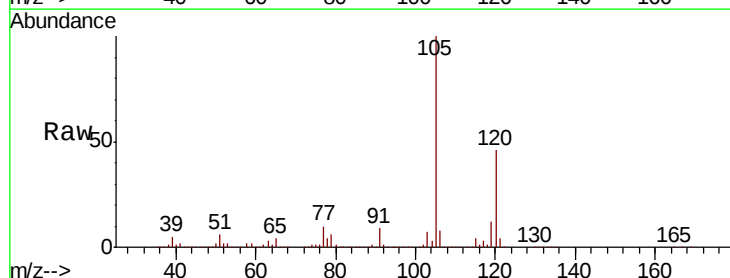
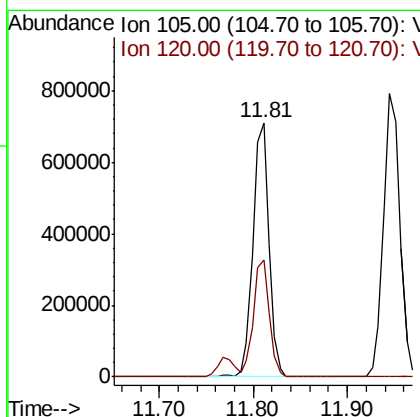
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.95 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	857306		
120	45.5		23.2	69.6





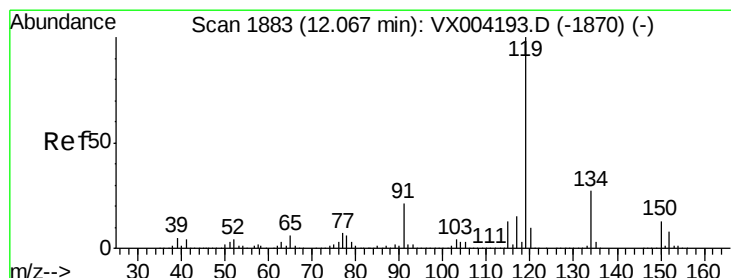
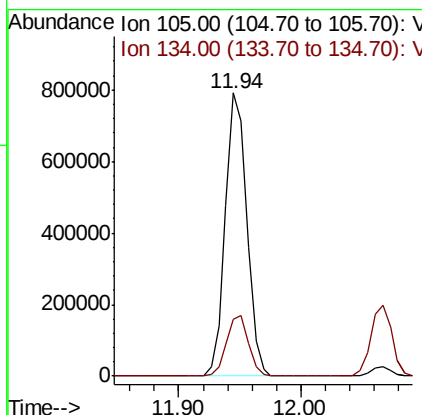
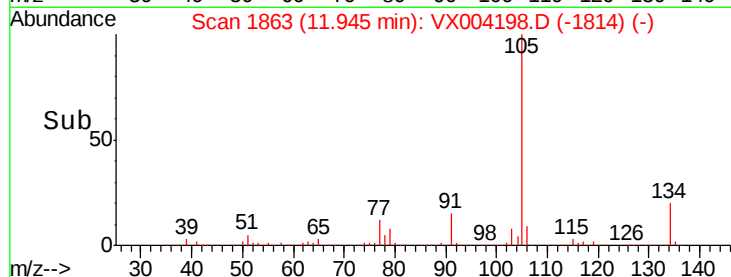
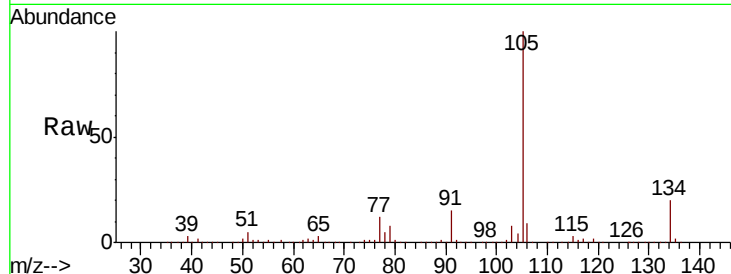
#85
 sec-Butylbenzene
 Concen: 54.96 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX082218

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.5	31.5

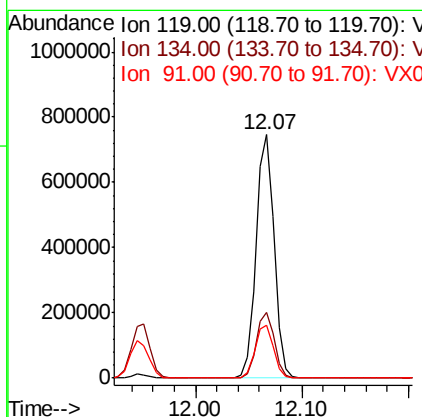
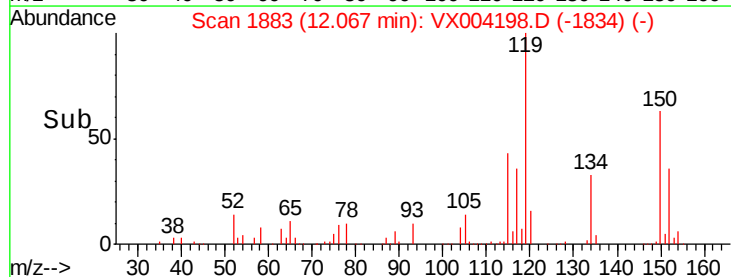
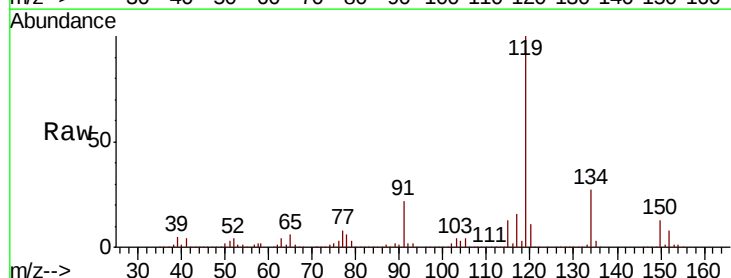
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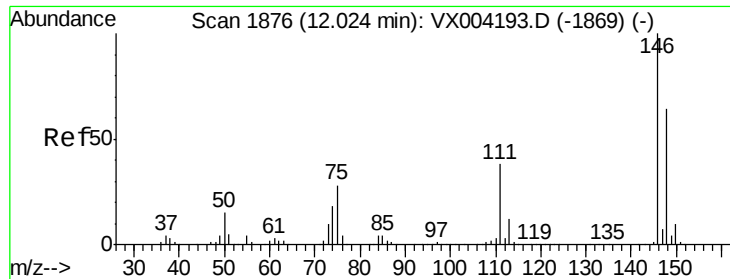
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 8/23/2018 9:40:14 AM



#86
 p-Isopropyltoluene
 Concen: 56.44 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.2
91	22.2	10.9	32.7





#87

1,3-Dichlorobenzene

Concen: 50.56 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Instrument :

MSVOA_X

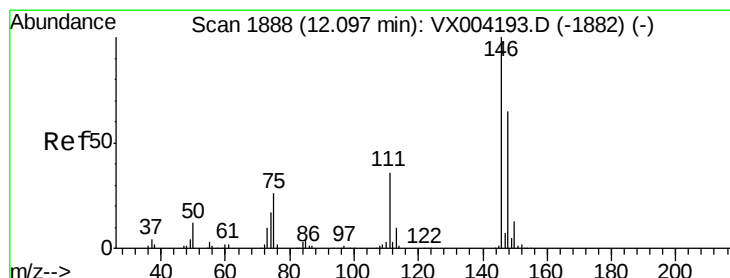
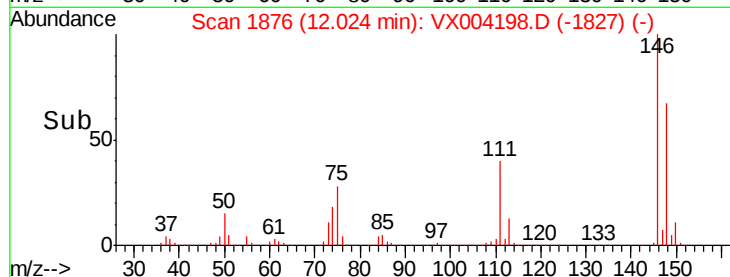
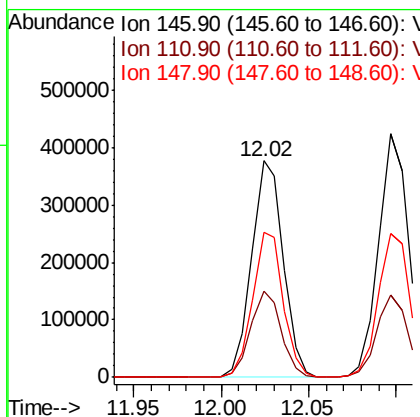
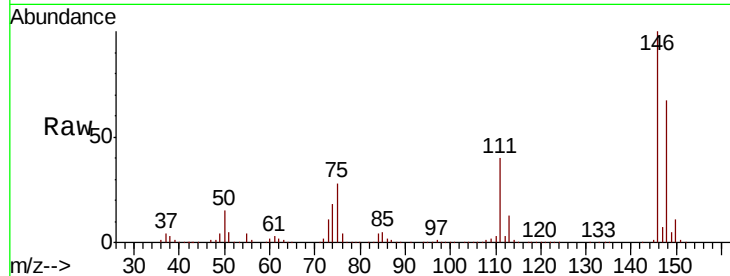
ClientSampleId :

ICVVX082218

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.7	56.1
148	64.8	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 51.08 ug/l

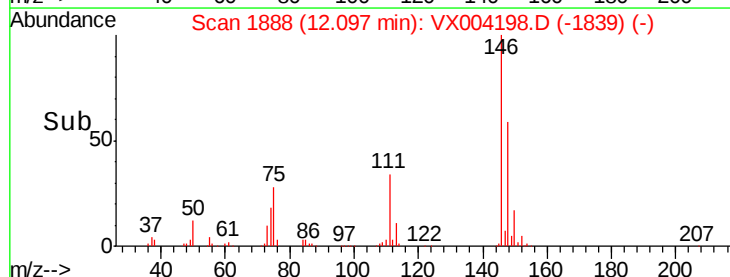
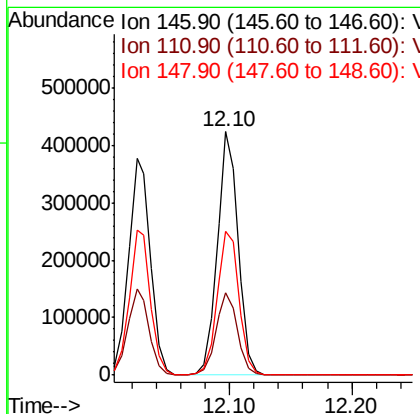
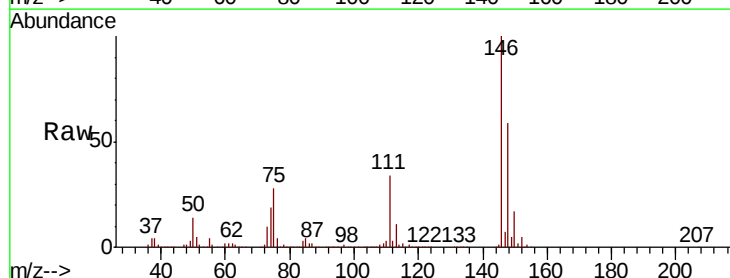
RT: 12.10 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VX004198.D

Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	18.1	54.1
148	62.1	32.0	96.0





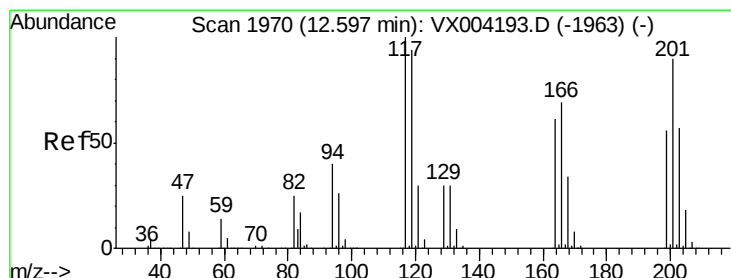
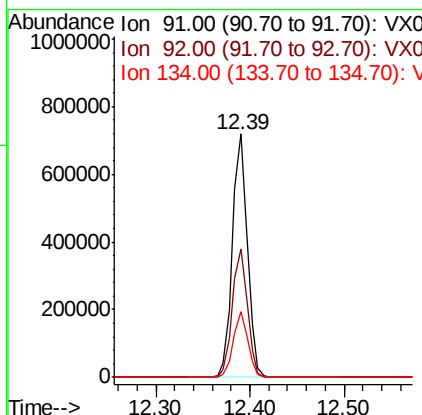
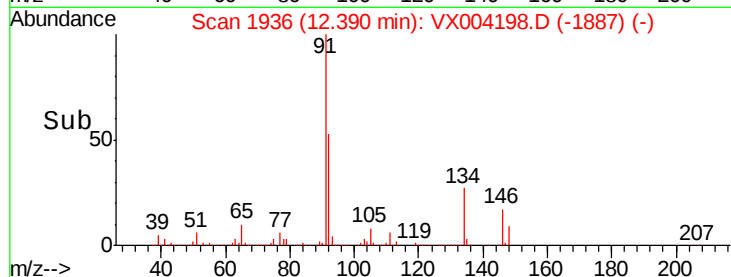
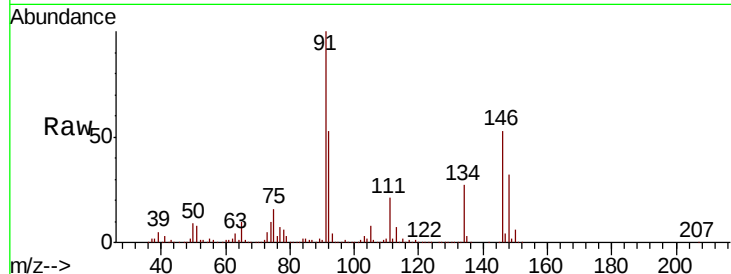
#89
n-Butylbenzene
Concen: 62.25 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Resp	Lower	Upper
91	100	794725		
92	53.5		27.3	81.9
134	26.2		13.6	40.7

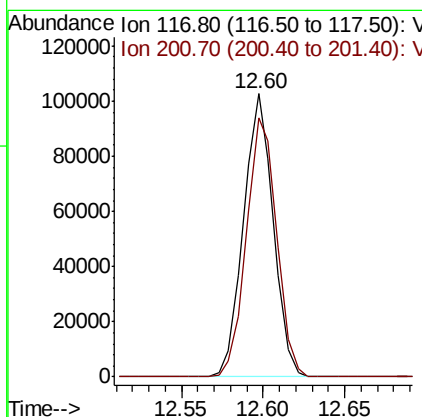
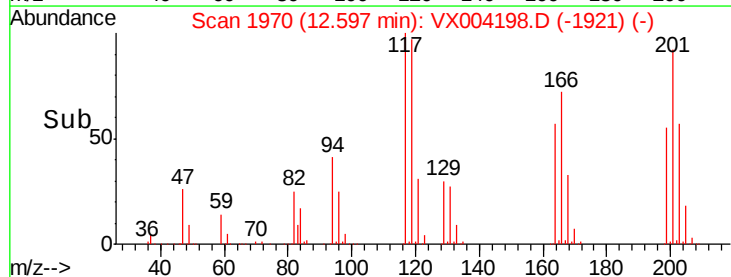
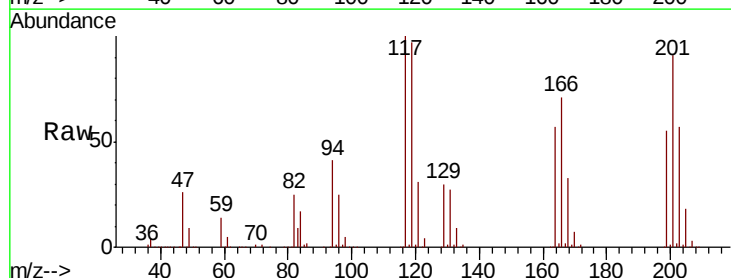
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#90
Hexachloroethane
Concen: 59.33 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	130192		
201	93.5		46.9	140.6





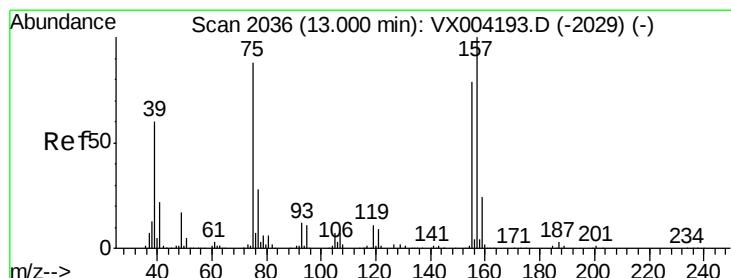
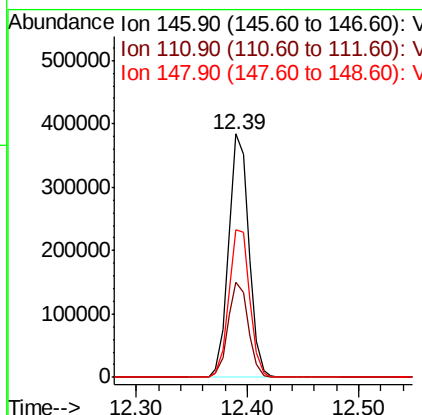
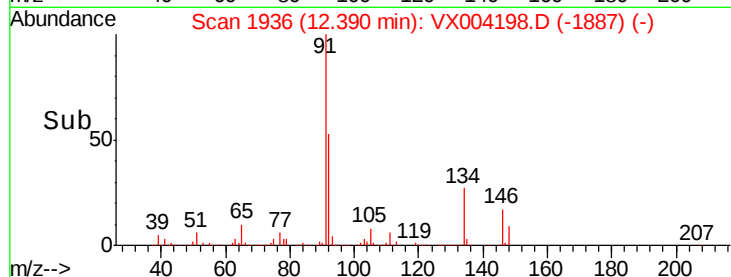
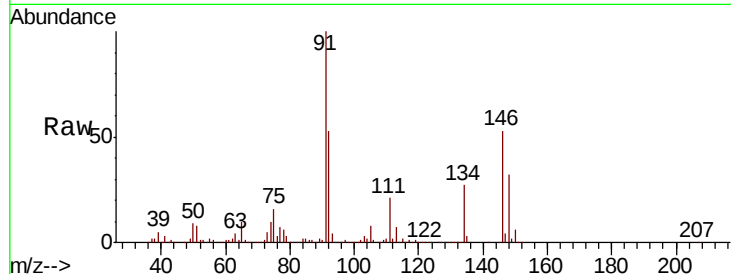
#91
 1,2-Dichlorobenzene
 Concen: 56.18 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX082218

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.1
148	62.5	32.8	98.3

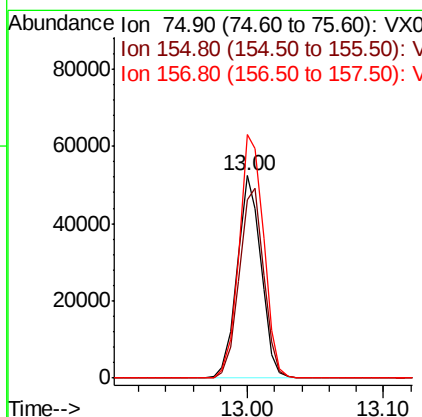
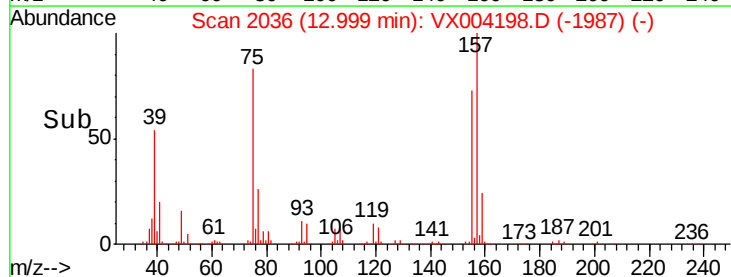
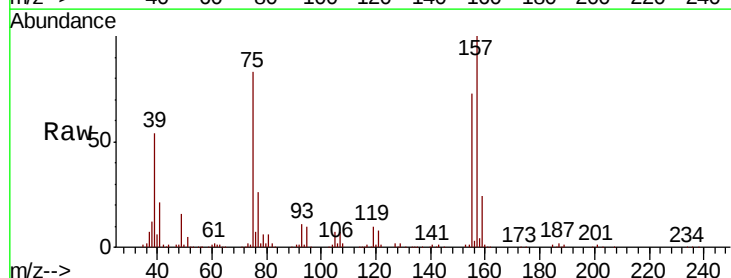
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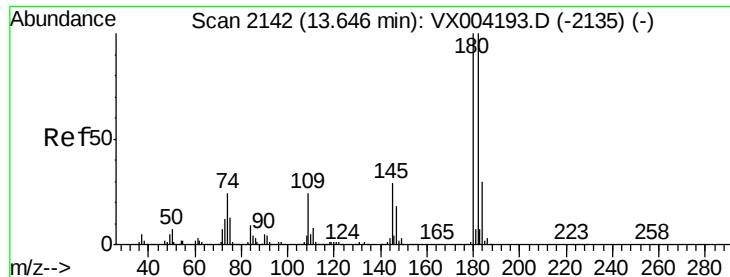
MMDadoda
 8/23/2018 9:40:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.34 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	48.0	144.2
157	124.6	61.4	184.1





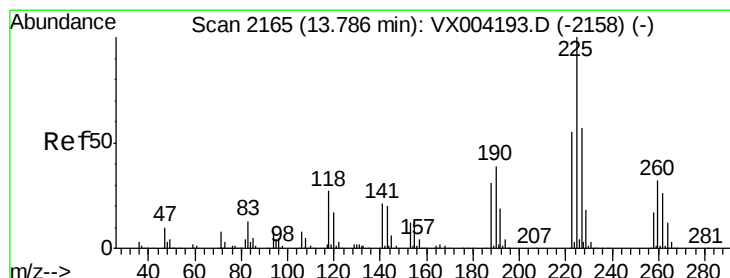
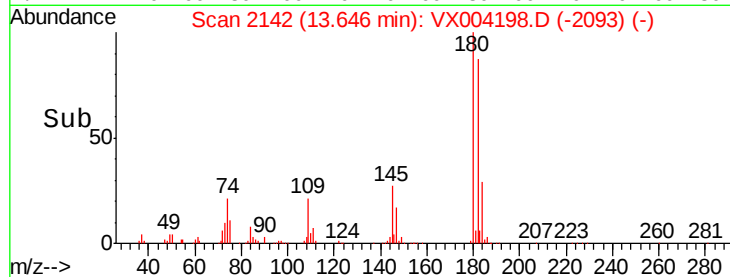
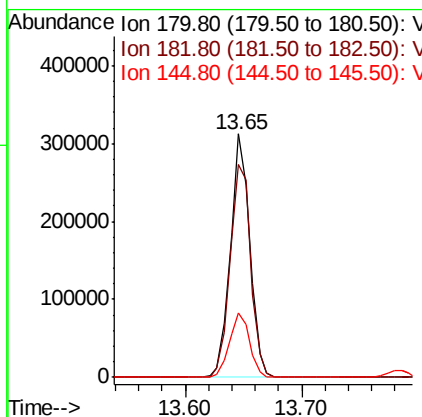
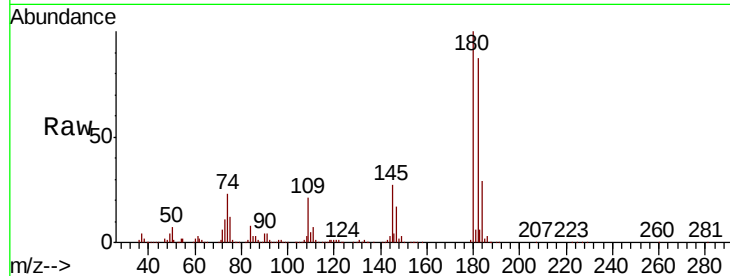
#93
 1,2,4-Trichlorobenzene
 Concen: 57.82 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX082218

Tot Ion	Ratio	Resp	Lower	Upper
180	100	359602		
182	93.6	48.4	145.0	
145	27.5	14.3	42.9	

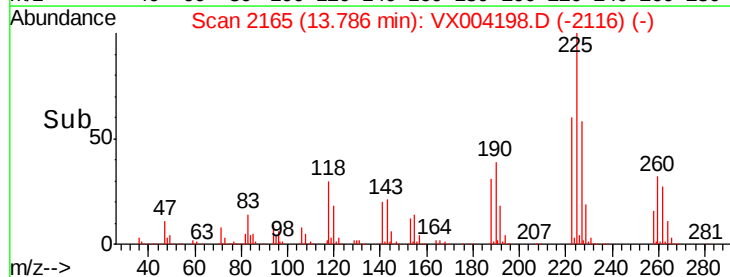
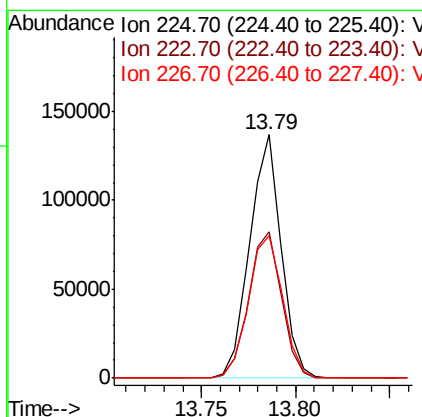
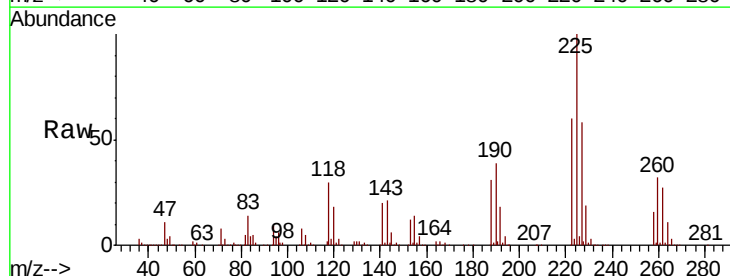
Manual Integrations
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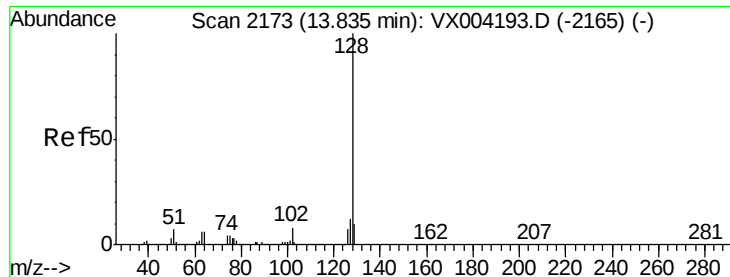
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#94
 Hexachlorobutadiene
 Concen: 54.65 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004198.D
 Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	158097		
223	63.0	30.1	90.5	
227	63.2	30.8	92.4	





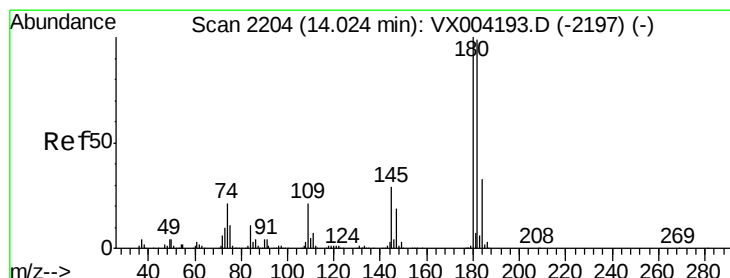
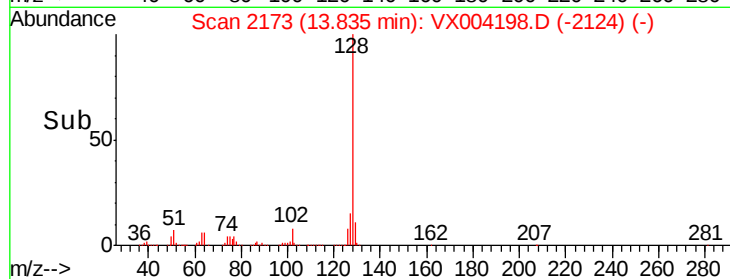
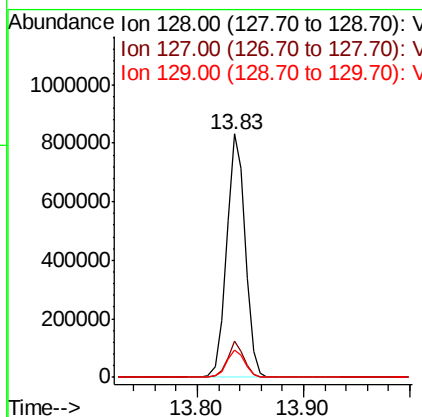
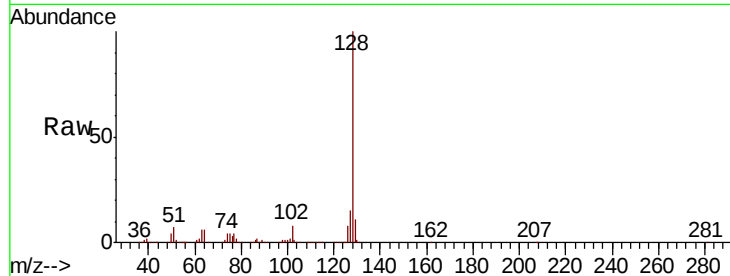
#95
Naphthalene
Concen: 57.57 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Instrument :
MSVOA_X
ClientSampleId :
ICVVX082218

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/23/2018 9:40:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.41 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004198.D
Acq: 22 Aug 2018 14:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.5	145.6
145	28.5	14.9	44.9

