

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112118\
 Data File : VX006138.D
 Acq On : 21 Nov 2018 22:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:48:47 AM

Quant Time: Nov 22 04:03:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	467339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	437180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238784	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	190028	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
35) Dibromofluoromethane	5.50	113	154672	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
50) Toluene-d8	8.71	98	592579	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	11.13	95	220570	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	113130	47.988	ug/l	100
3) Chloromethane	1.32	50	133828	44.939	ug/l	100
4) Vinyl Chloride	1.41	62	143067	47.230	ug/l	96
5) Bromomethane	1.64	94	96141	41.916	ug/l	99
6) Chloroethane	1.71	64	83270	58.564	ug/l	97
7) Trichlorofluoromethane	1.93	101	194327	49.039	ug/l	98
8) Diethyl Ether	2.19	74	78730	47.001	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	112615	47.926	ug/l	98
10) Methyl Iodide	2.51	142	129795	44.058	ug/l	98
11) Tert butyl alcohol	3.07	59	190113	243.116	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107810	47.064	ug/l	99
13) Acrolein	2.29	56	105549	225.566	ug/l	100
14) Allyl chloride	2.73	41	223699	47.732	ug/l	99
15) Acrylonitrile	3.15	53	418266	242.162	ug/l	99
16) Acetone	2.45	43	383384	235.031	ug/l	98
17) Carbon Disulfide	2.57	76	311510	50.364	ug/l	99
18) Methyl Acetate	2.78	43	213506	51.040	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	395452	49.945	ug/l	99
20) Methylene Chloride	2.85	84	125231	50.727	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	118697	49.525	ug/l	91
22) Diisopropyl ether	3.87	45	525955	52.425	ug/l	96
23) Vinyl Acetate	3.82	43	2218873	266.587	ug/l	100
24) 1,1-Dichloroethane	3.70	63	237551	50.260	ug/l	99
25) 2-Butanone	4.70	43	741797	245.000	ug/l	99
26) 2,2-Dichloropropane	4.58	77	188250	48.324	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	163761	48.887	ug/l	99
28) Bromochloromethane	5.02	49	135260	49.101	ug/l	100
29) Tetrahydrofuran	5.15	42	482119	255.258	ug/l	100
30) Chloroform	5.21	83	277934	48.525	ug/l	96
31) Cyclohexane	5.57	56	245938	49.815	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	236724	51.186	ug/l	99
36) 1,1-Dichloropropene	5.80	75	207868	48.891	ug/l	100
37) Ethyl Acetate	4.85	43	267208	48.850	ug/l	99
38) Carbon Tetrachloride	5.78	117	200855	50.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	243538	50.280	ug/l	99
40) Benzene	6.14	78	619935	49.492	ug/l	99
41) Methacrylonitrile	5.06	41	149813	49.698	ug/l	99
42) 1,2-Dichloroethane	6.20	62	227336	48.545	ug/l	100
43) Isopropyl Acetate	6.46	43	403703	51.105	ug/l	99
44) Trichloroethene	7.21	130	171916	49.381	ug/l	98
45) 1,2-Dichloropropane	7.51	63	165866	50.035	ug/l	99
46) Dibromomethane	7.66	93	110660	48.744	ug/l	99
47) Bromodichloromethane	7.90	83	210867	50.221	ug/l	99
48) Methyl methacrylate	7.77	41	214871	53.632	ug/l	100
49) 1,4-Dioxane	7.75	88	93748	986.304	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1463760	258.469	ug/l	100
52) Toluene	8.79	92	397243	51.272	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	222436	50.766	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	244366	50.450	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	163224	48.645	ug/l	99
56) Ethyl methacrylate	9.18	69	250703	48.096	ug/l	99
57) 1,3-Dichloropropane	9.37	76	274231	49.583	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	709012	243.316	ug/l	100
59) 2-Hexanone	9.49	43	1157413	257.525	ug/l	100
60) Dibromochloromethane	9.59	129	168406	51.192	ug/l	100
61) 1,2-Dibromoethane	9.67	107	174443	50.463	ug/l	99
64) Tetrachloroethene	9.34	164	180987	50.306	ug/l	98
65) Chlorobenzene	10.14	112	447888	49.946	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	155936	50.650	ug/l	99
67) Ethyl Benzene	10.25	91	770918	52.504	ug/l	98
68) m/p-Xylenes	10.36	106	601392	105.185	ug/l	100
69) o-Xylene	10.70	106	288635	52.851	ug/l	100
70) Styrene	10.71	104	482100	54.140	ug/l	99
71) Bromoform	10.86	173	138052	50.095	ug/l	99
73) Isopropylbenzene	11.02	105	783006	54.196	ug/l	99
74) N-amyl acetate	10.90	43	364560	49.524	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	270069	49.602	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	264835m	53.871	ug/l	
77) Bromobenzene	11.26	156	209715	51.816	ug/l	98
78) n-propylbenzene	11.36	91	914570	54.356	ug/l	100
79) 2-Chlorotoluene	11.42	91	529205	51.989	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	659086	54.107	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	76031	52.309	ug/l	98
82) 4-Chlorotoluene	11.51	91	631079	53.125	ug/l	99
83) tert-Butylbenzene	11.77	119	647485	54.448	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	674866	54.313	ug/l	100
85) sec-Butylbenzene	11.94	105	795657	54.701	ug/l	99
86) p-Isopropyltoluene	12.07	119	706680	54.491	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	380909	51.043	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	380300	49.159	ug/l	99
89) n-Butylbenzene	12.39	91	629894	53.646	ug/l	99
90) Hexachloroethane	12.60	117	109747	53.030	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	387229	50.755	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	64710	51.218	ug/l	99

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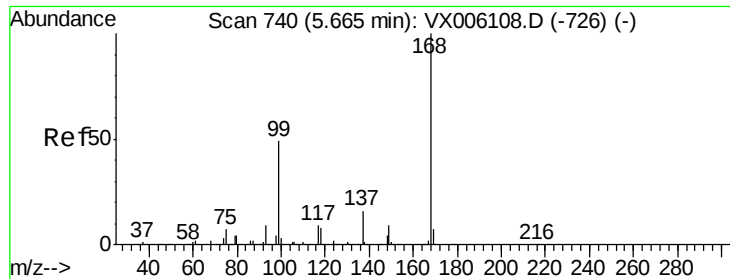
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	281032	52.289	ug/l	99
94) Hexachlorobutadiene	13.78	225	129750	49.534	ug/l	99
95) Naphthalene	13.83	128	893243	56.519	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	287698	52.506	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 317238

Ion Ratio Lower Upper

168 100

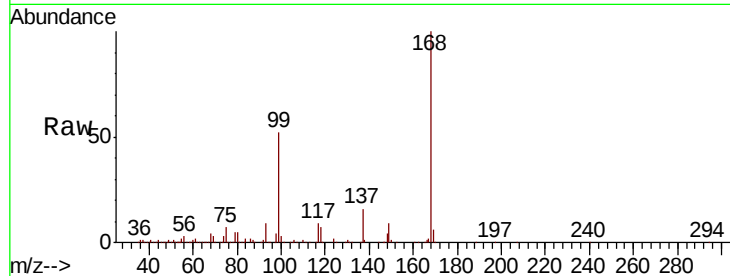
99 51.4 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

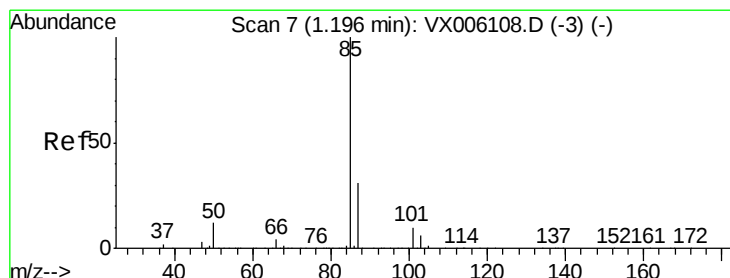
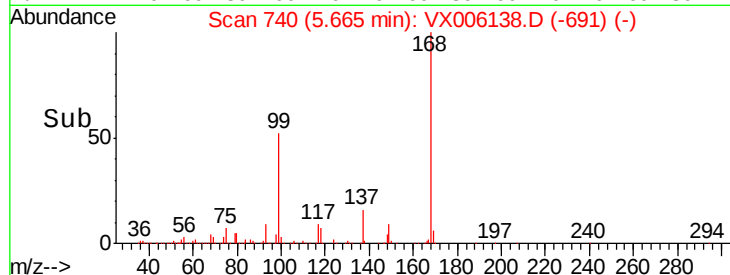
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.988 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006138.D

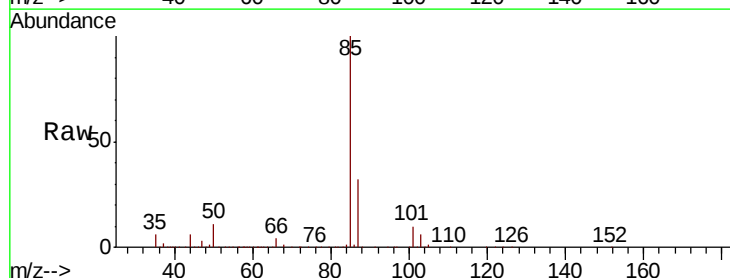
Acq: 21 Nov 2018 22:18

Tgt Ion: 85 Resp: 113130

Ion Ratio Lower Upper

85 100

87 31.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

50000

0

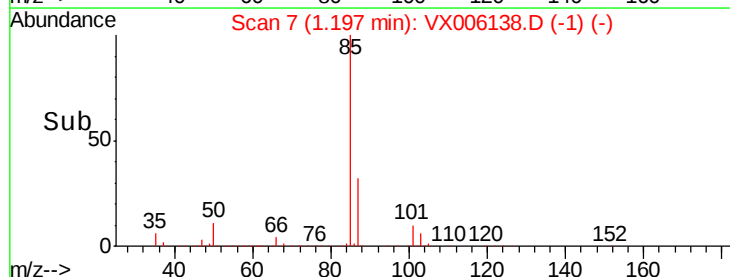
1.15

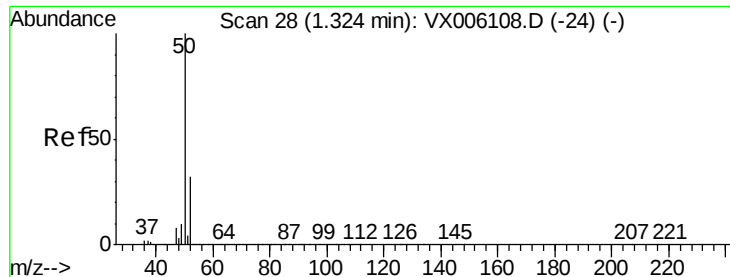
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 44.939 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 133828

Ion Ratio Lower Upper

50 100

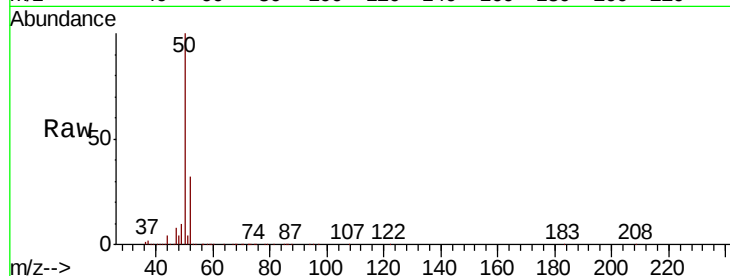
52 31.8 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

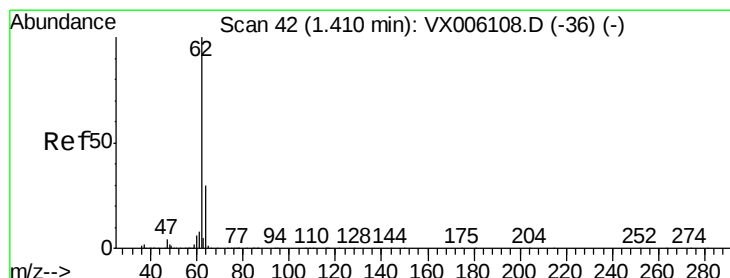
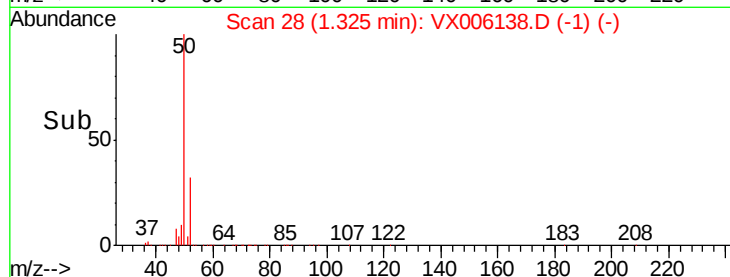
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 47.230 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006138.D

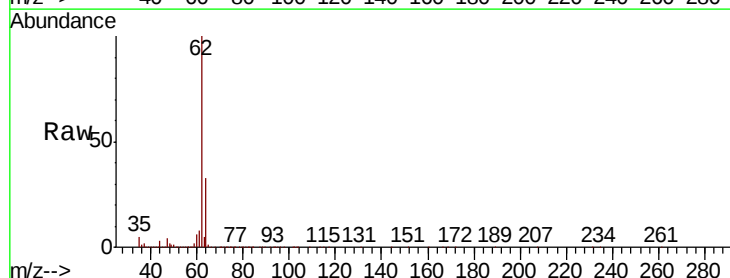
Acq: 21 Nov 2018 22:18

Tgt Ion: 62 Resp: 143067

Ion Ratio Lower Upper

62 100

64 32.6 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

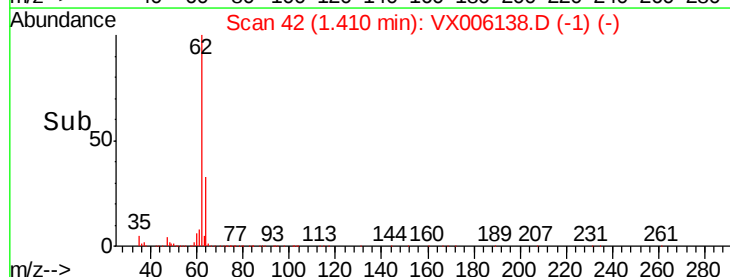
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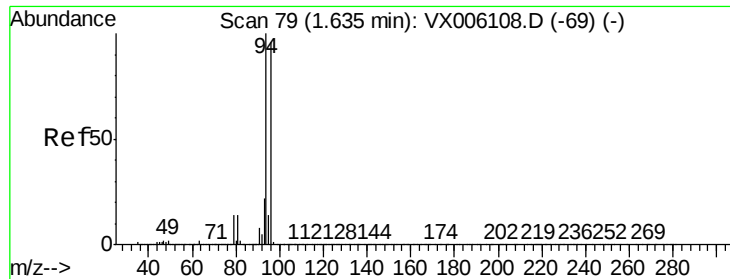
100000

50000

0

Time--> 1.40 1.50





#5

Bromomethane

Concen: 41.916 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 96141

Ion Ratio Lower Upper

94 100

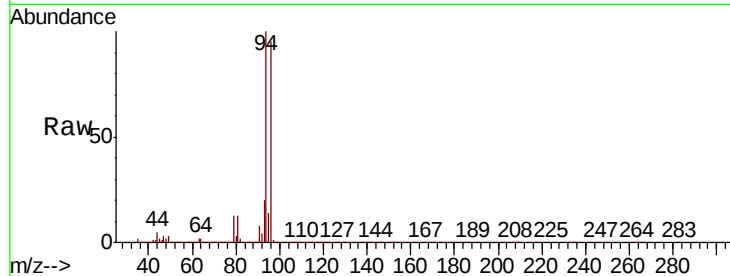
96 94.9 76.7 115.1

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

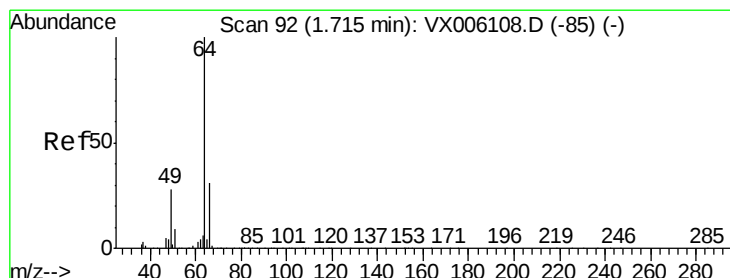
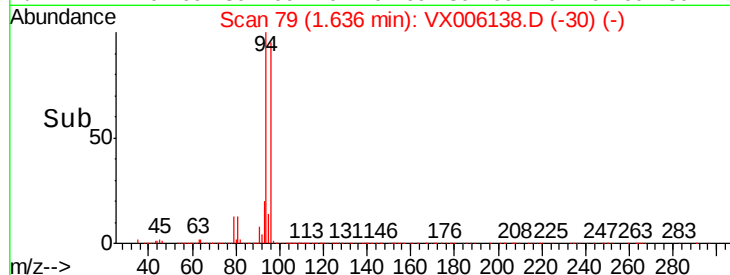
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 58.564 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX006138.D

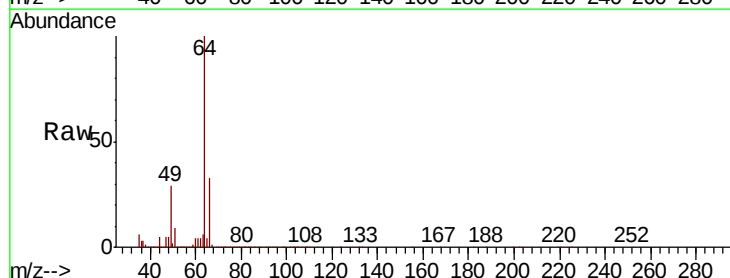
Acq: 21 Nov 2018 22:18

Tgt Ion: 64 Resp: 83270

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

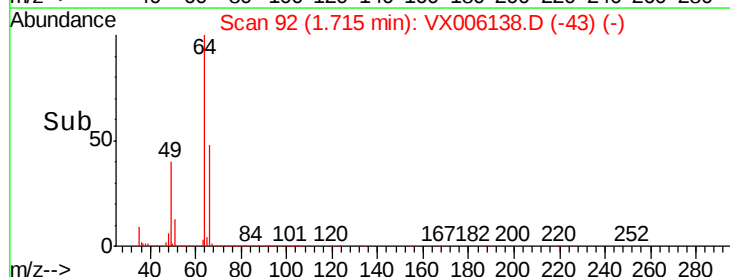
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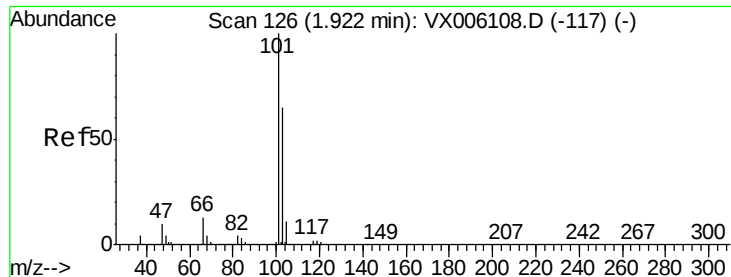
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20000

0

Time-->





#7

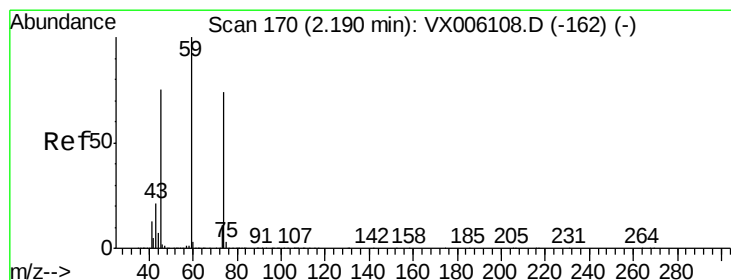
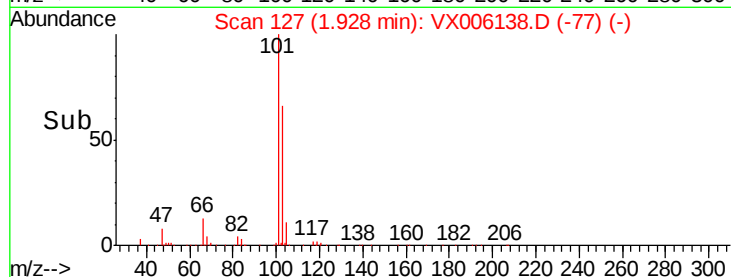
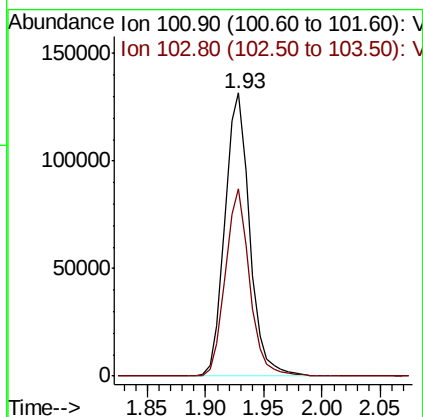
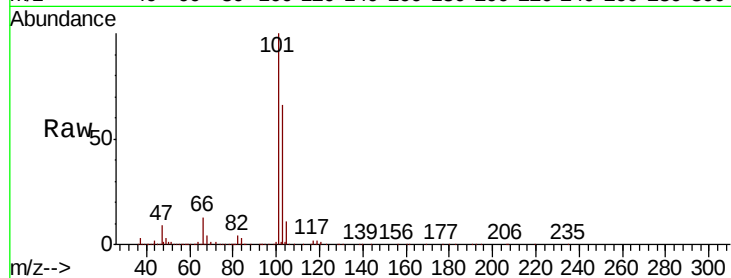
Trichlorofluoromethane
Concen: 49.039 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

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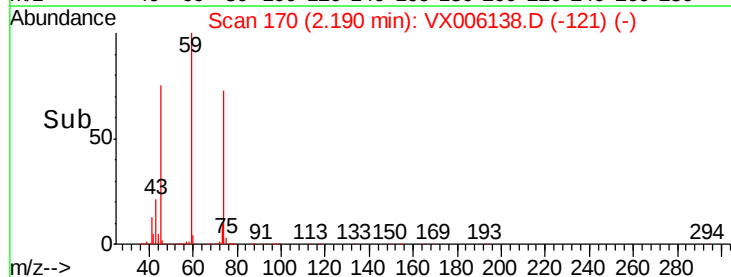
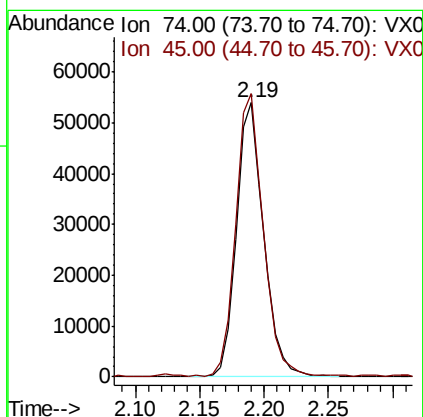
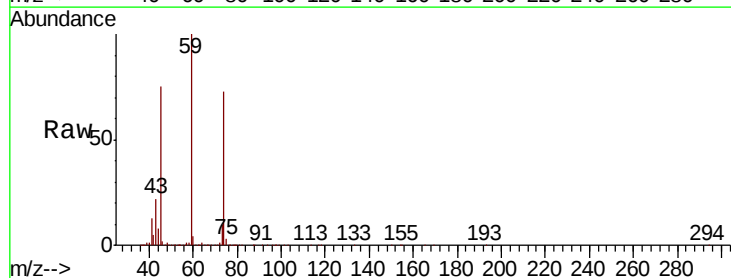
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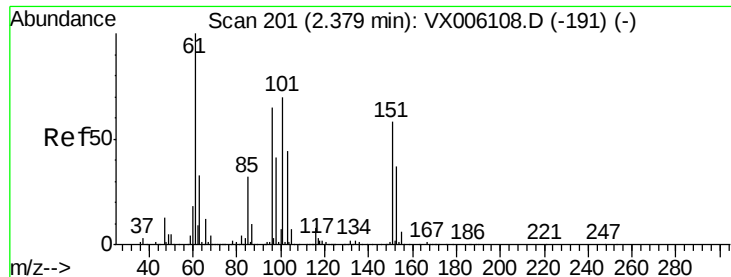


#8

Diethyl Ether
Concen: 47.001 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.5	52.2	156.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.926 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

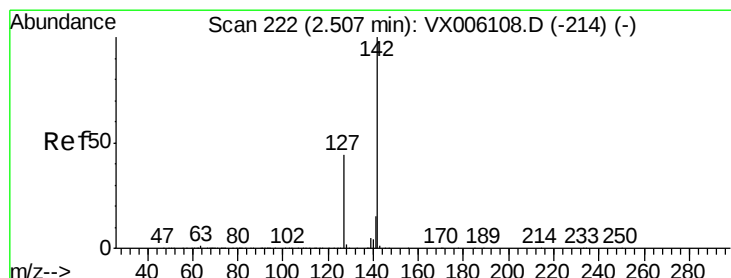
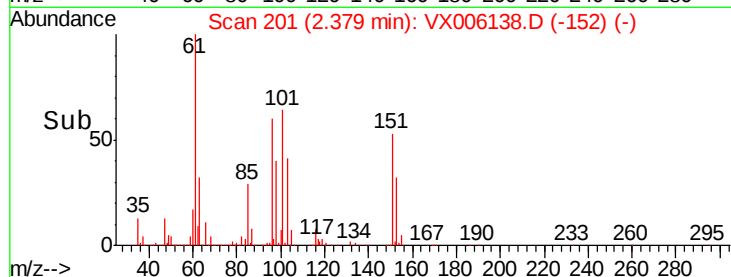
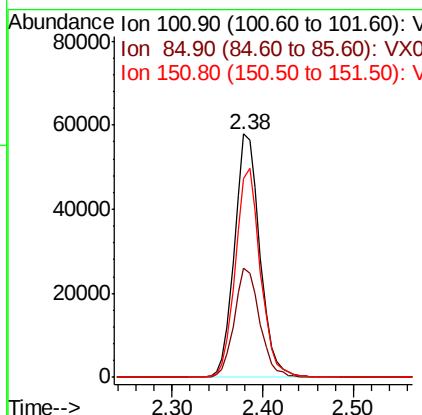
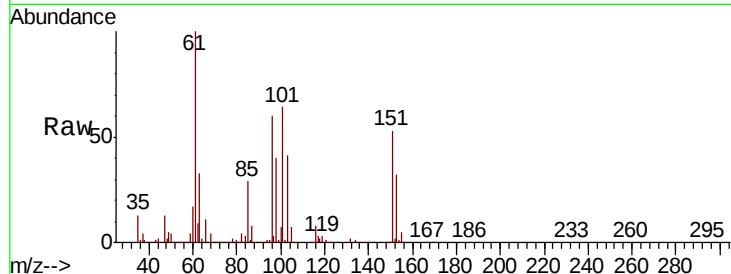
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	112615
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	84.7	65.8	98.6

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#10

Methyl Iodide

Concen: 44.058 ug/l

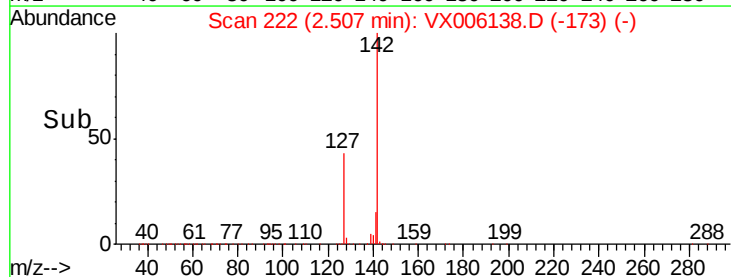
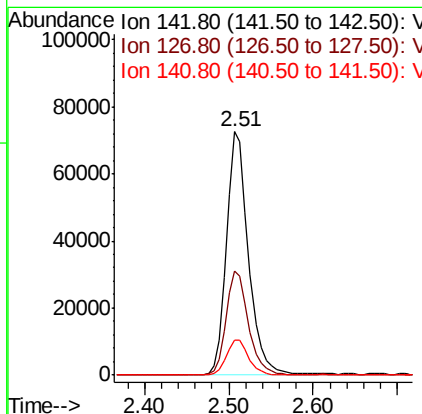
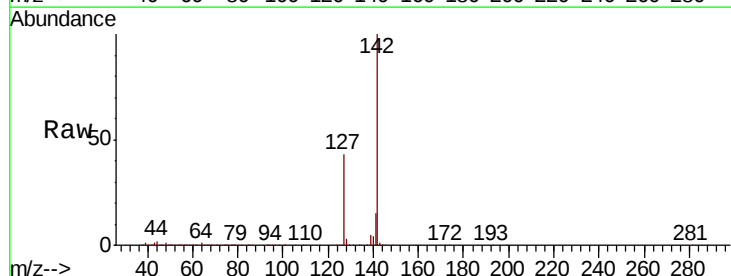
RT: 2.51 min Scan# 222

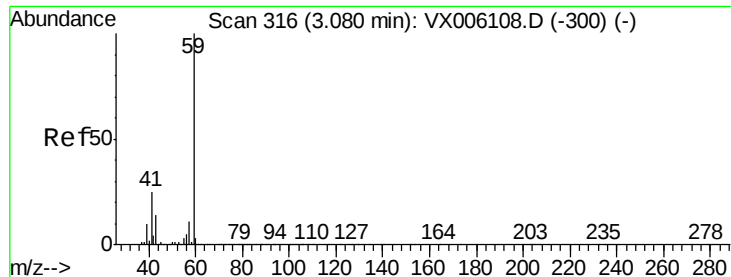
Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Tgt Ion:	142	Resp:	129795
Ion Ratio	Lower	Upper	
142	100		
127	43.6	36.0	54.0
141	14.6	11.7	17.5





#11

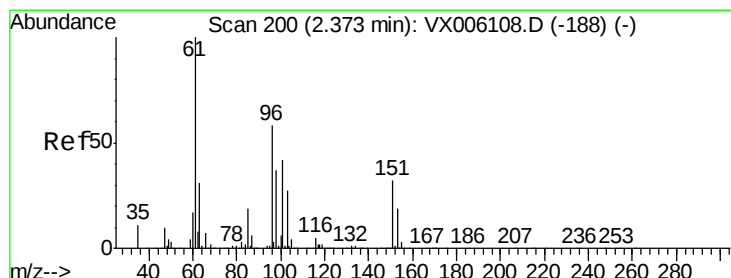
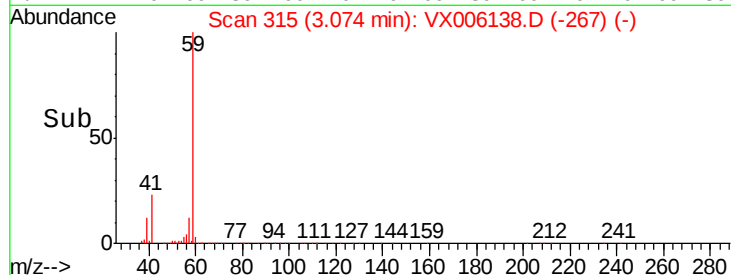
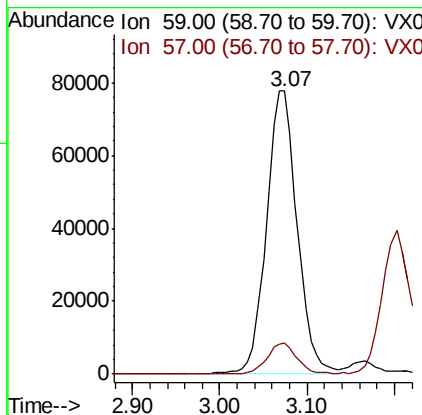
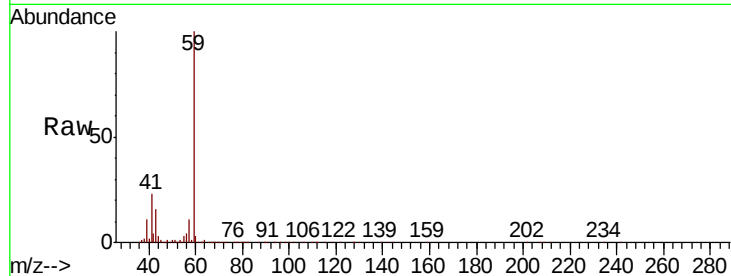
Tert butyl alcohol
Concen: 243.116 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.5	8.7	13.1

Manual Integrations
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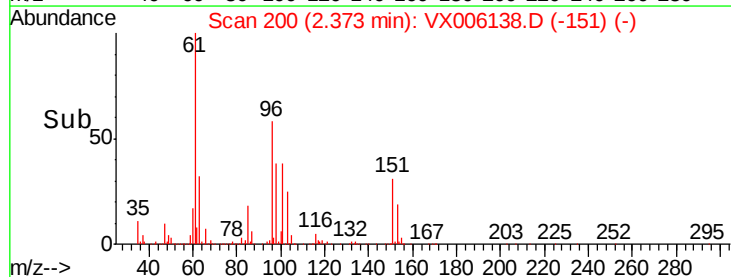
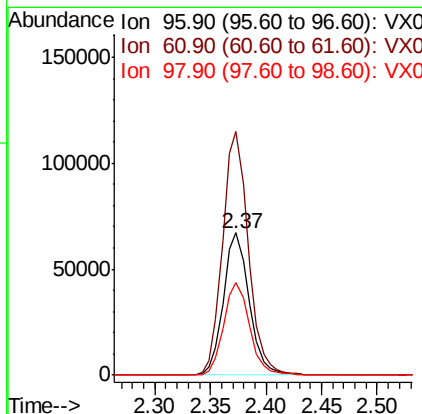
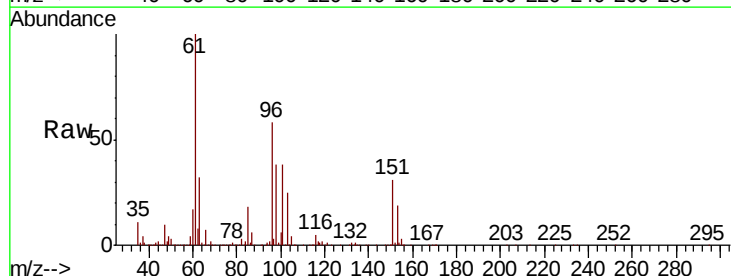
MMDadoda
11/26/2018 9:48:47 AM

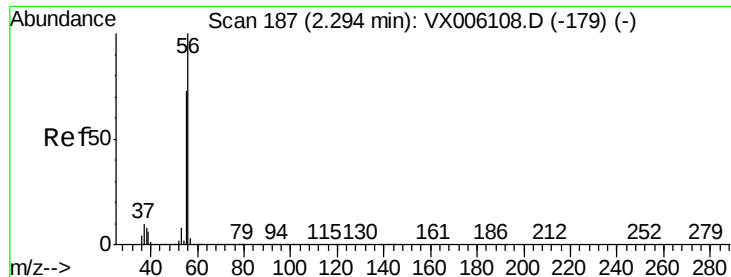


#12

1,1-Dichloroethene
Concen: 47.064 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	171.1	138.2	207.4
98	98	64.9	51.3	76.9





#13

Acrolein

Concen: 225.566 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 105549

Ion Ratio Lower Upper

56 100

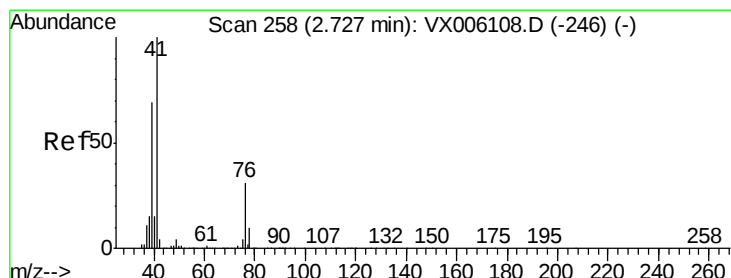
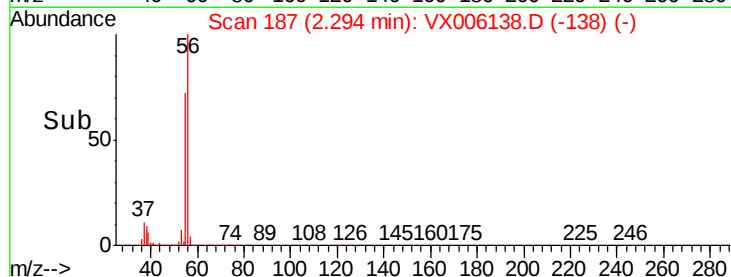
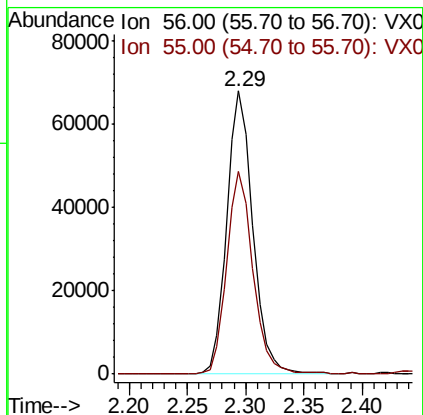
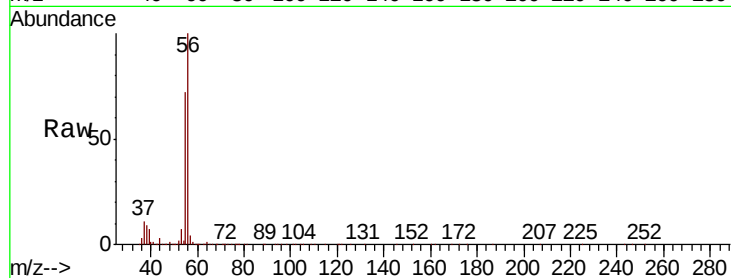
55 72.4 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 47.732 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

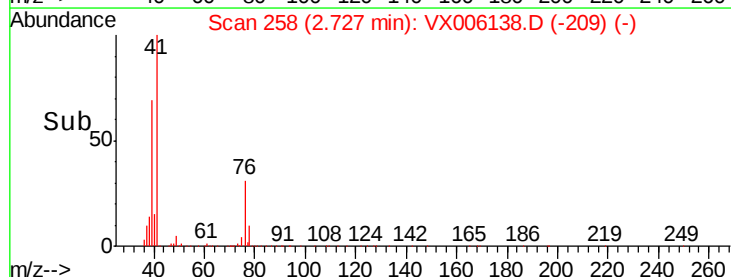
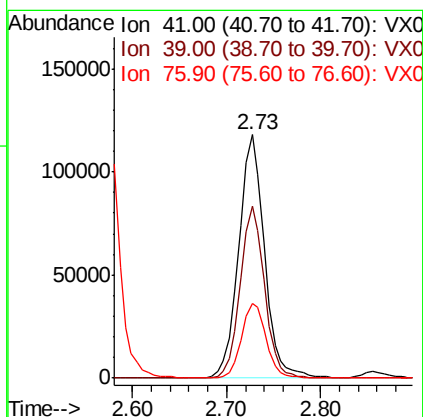
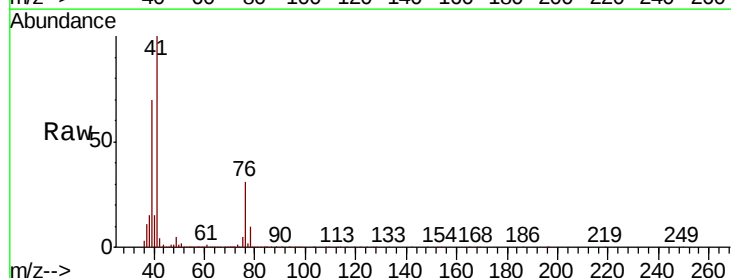
Tgt Ion: 41 Resp: 223699

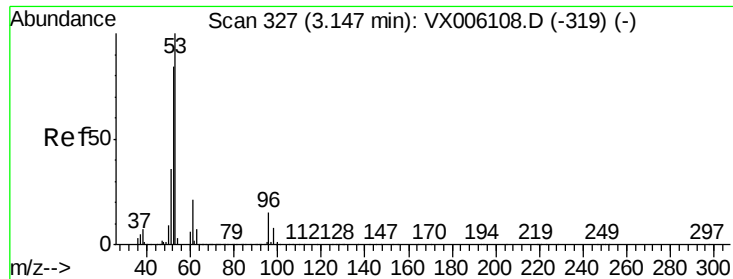
Ion Ratio Lower Upper

41 100

39 66.7 52.5 78.7

76 29.1 23.4 35.2





#15

Acrylonitrile

Concen: 242.162 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

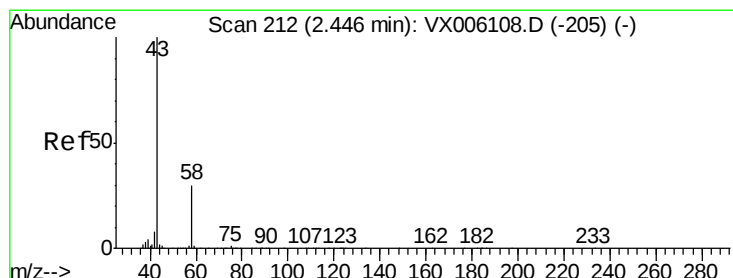
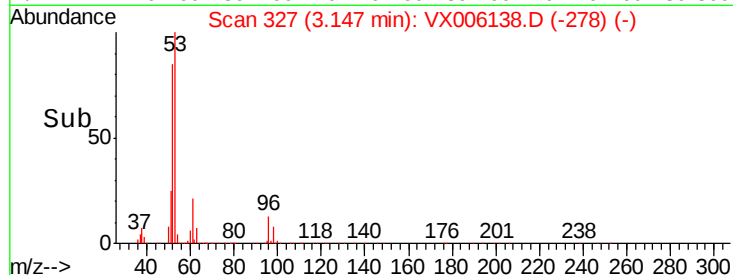
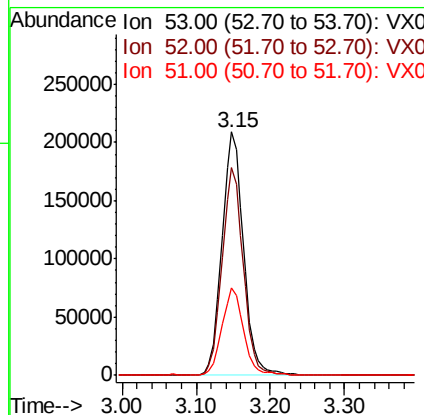
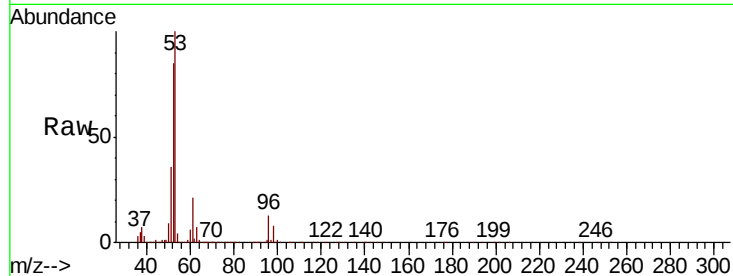
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	418266
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.4	99.6
51	36.1	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 235.031 ug/l

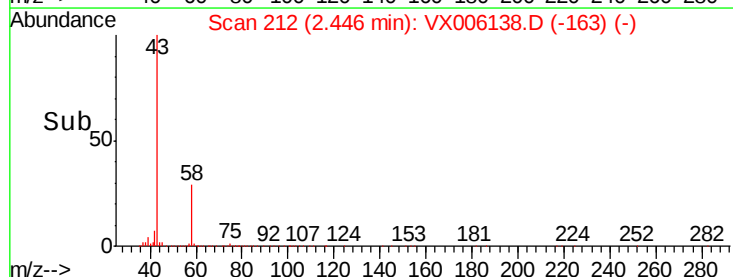
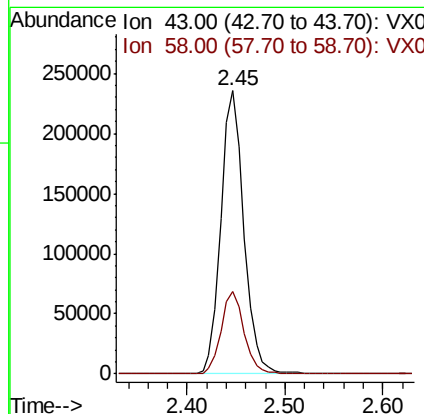
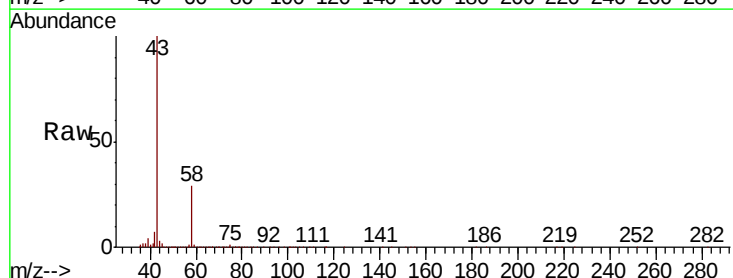
RT: 2.45 min Scan# 212

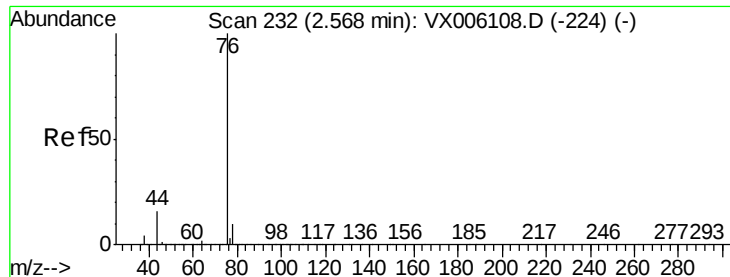
Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Tgt Ion:	43	Resp:	383384
Ion Ratio	Lower	Upper	
43	100		
58	28.9	23.8	35.8





#17

Carbon Disulfide

Concen: 50.364 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 311510

Ion Ratio Lower Upper

76 100

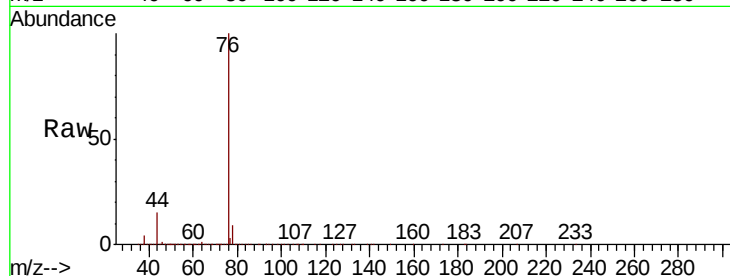
78 9.1 7.7 11.5

Manual Integrations

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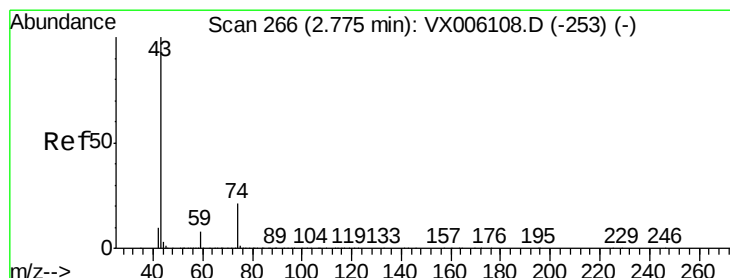
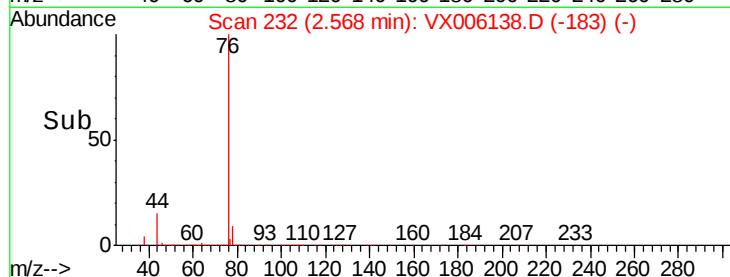
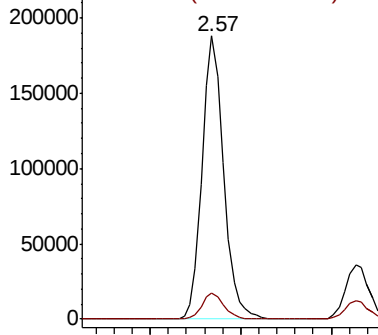
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.040 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006138.D

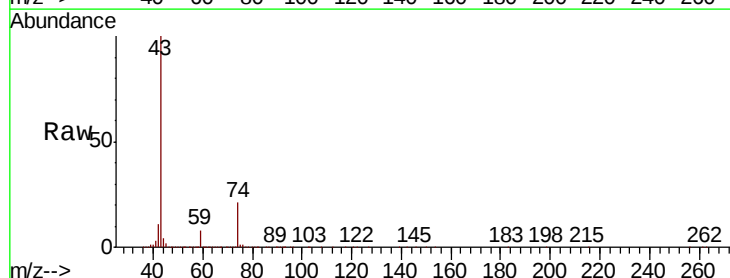
Acq: 21 Nov 2018 22:18

Tgt Ion: 43 Resp: 213506

Ion Ratio Lower Upper

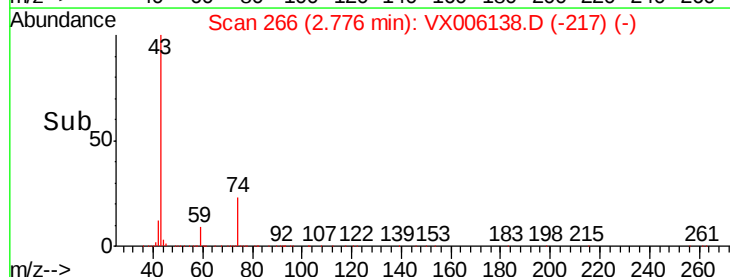
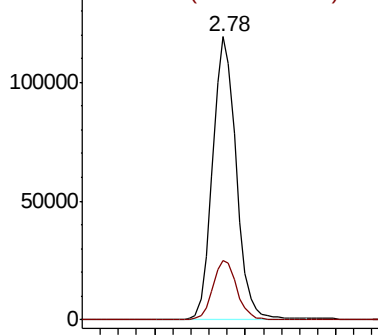
43 100

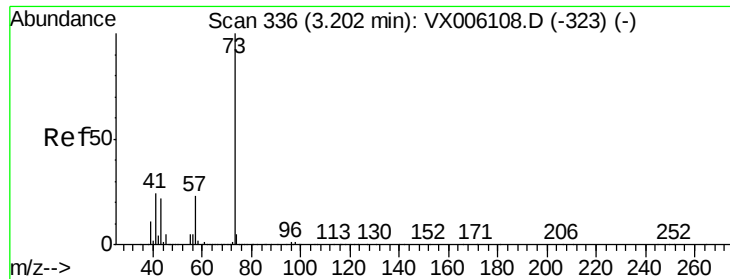
74 21.9 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





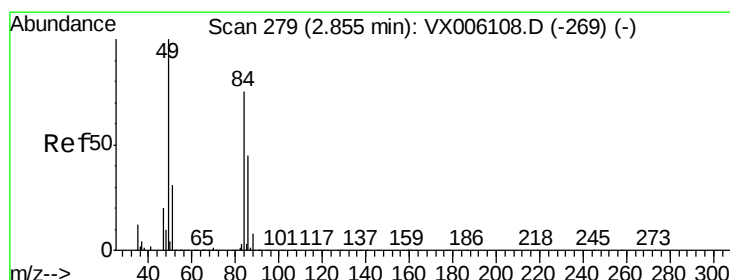
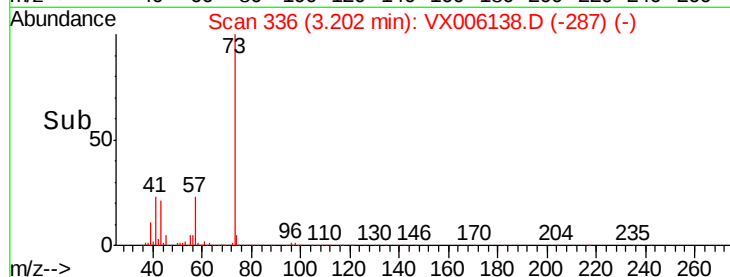
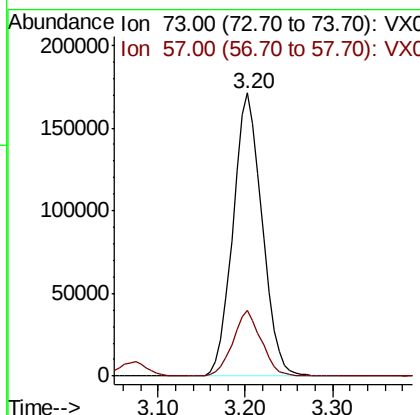
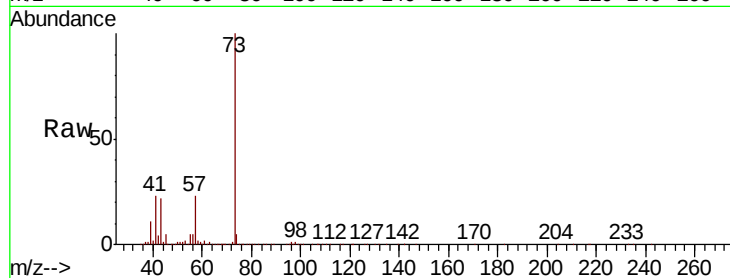
#19
Methvl tert-butvl Ether
Concen: 49.945 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.2	27.4

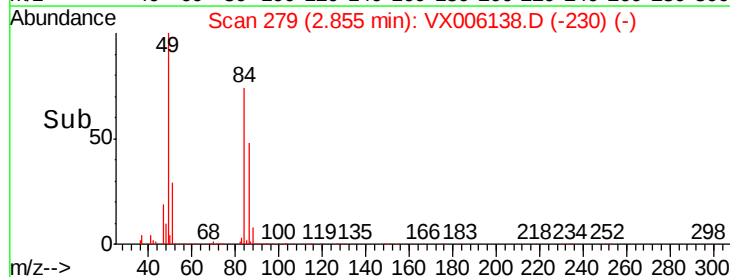
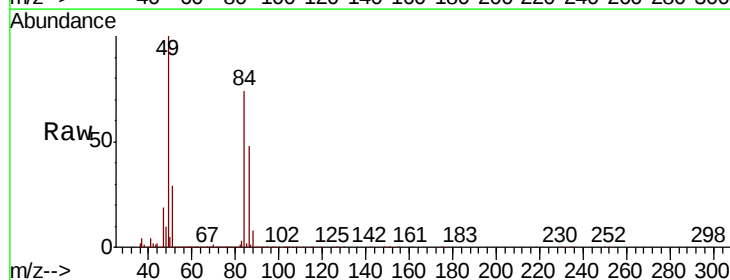
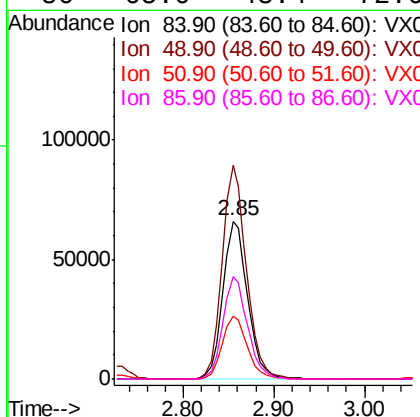
Manual Integrations
APPROVED

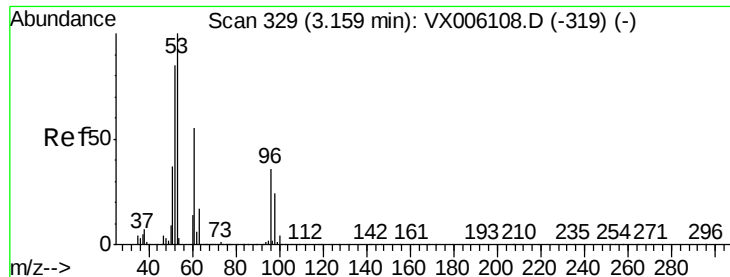
MMDadoda
11/26/2018 9:48:47 AM



#20
Methylene Chloride
Concen: 50.727 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.2	106.6	159.8
51	39.7	32.6	49.0
86	65.0	48.4	72.6





#21

trans-1,2-Dichloroethene

Concen: 49.525 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

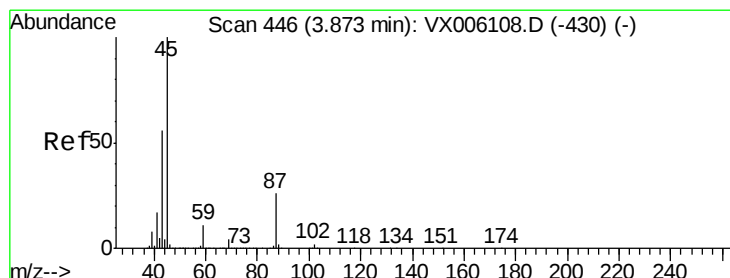
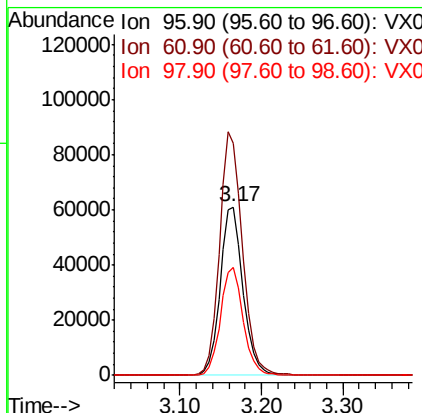
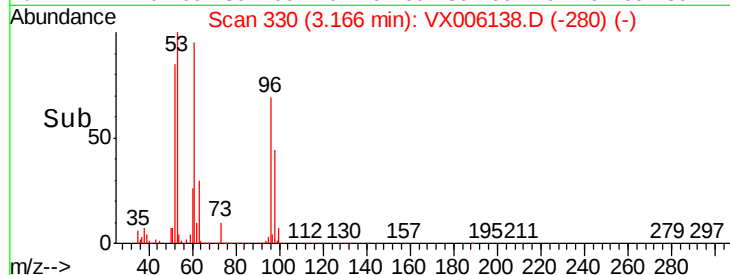
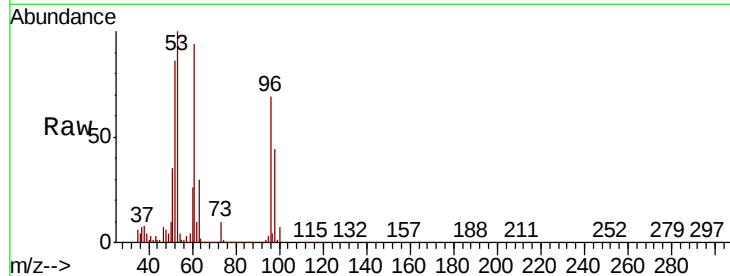
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	118697
Ion	Ratio	Lower	Upper
96	100		
61	137.4	122.0	183.0
98	63.6	52.7	79.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.425 ug/l

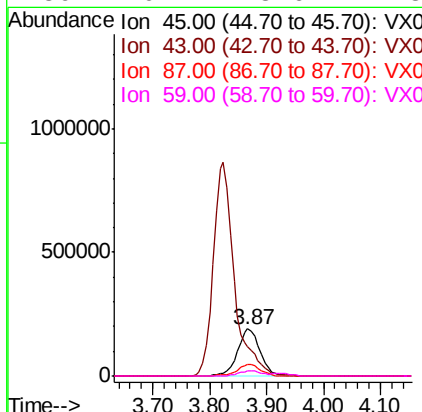
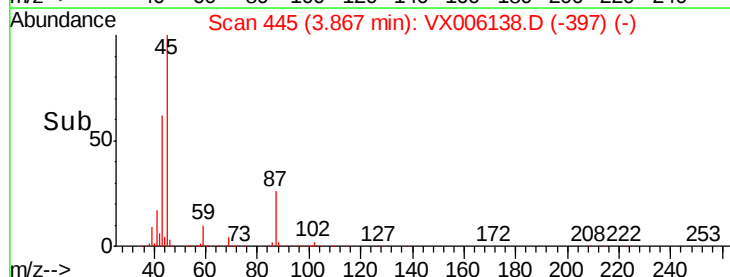
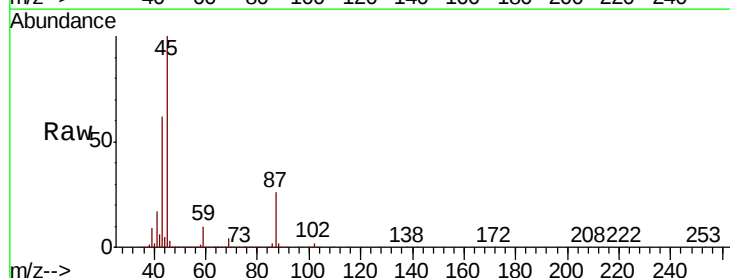
RT: 3.87 min Scan# 445

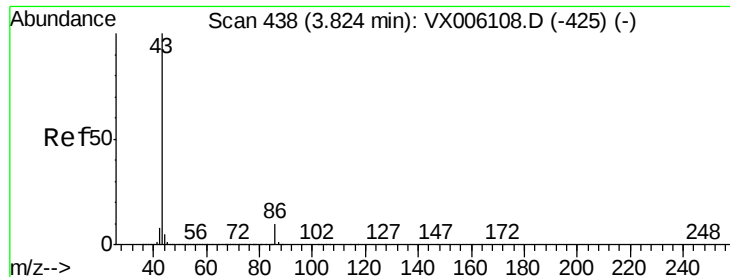
Delta R.T. -0.01 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Tgt Ion:	45	Resp:	525955
Ion	Ratio	Lower	Upper
45	100		
43	62.3	45.8	68.8
87	26.0	21.0	31.4
59	10.4	8.6	12.8





#23

Vinyl Acetate

Concen: 266.587 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2218873

Ion Ratio Lower Upper

43 100

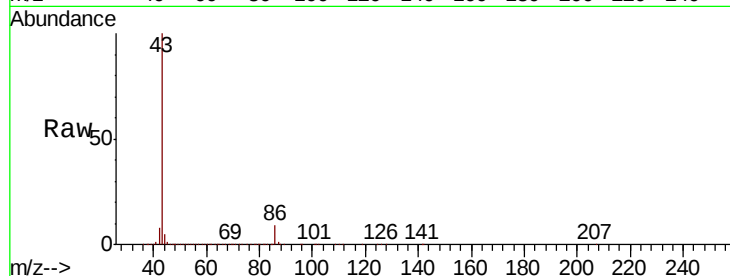
86 9.4 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

800000

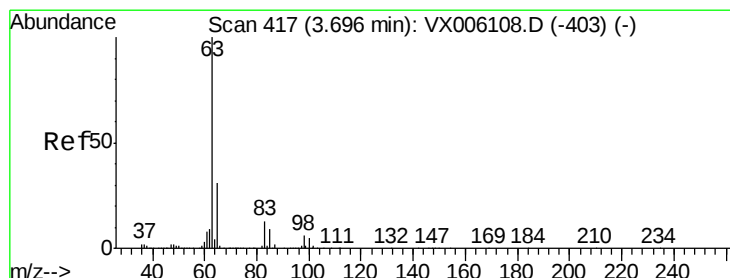
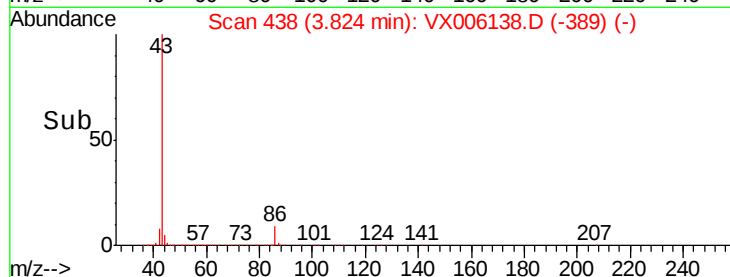
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.260 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

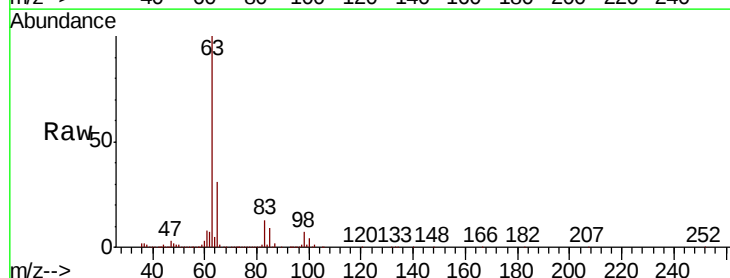
Tgt Ion: 63 Resp: 237551

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

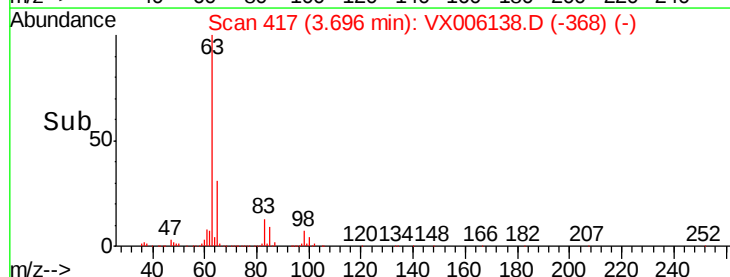
60000

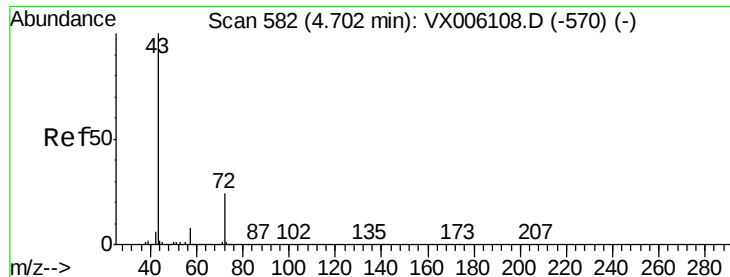
40000

20000

0

Time-->





#25

2-Butanone

Concen: 245.000 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 741797

Ion Ratio Lower Upper

43 100

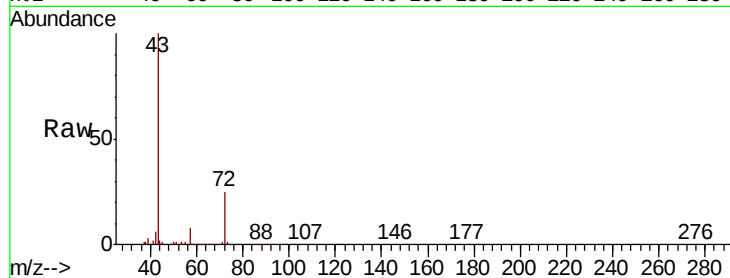
72 24.7 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

250000

200000

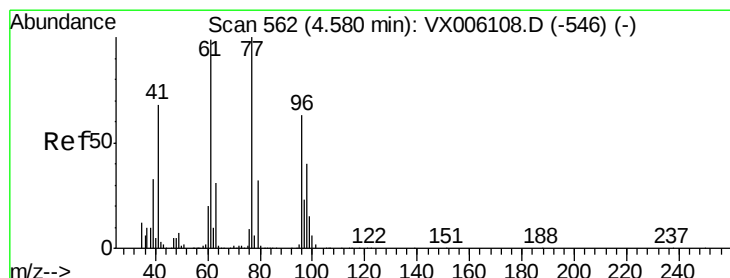
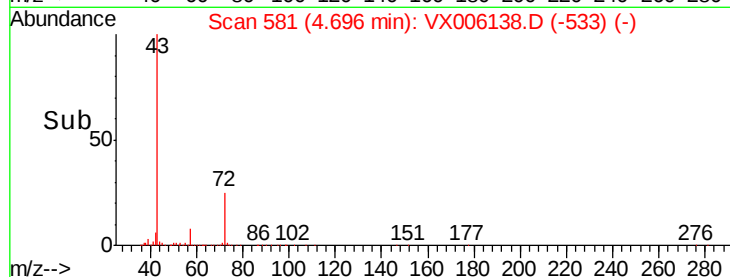
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.324 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX006138.D

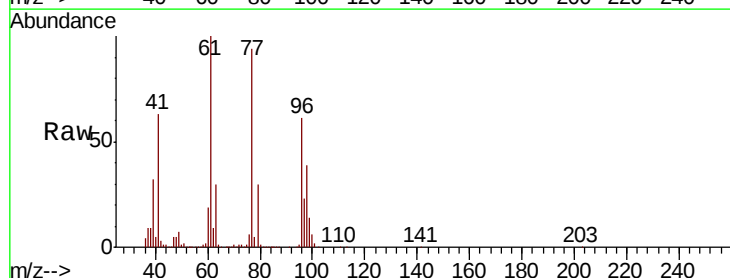
Acq: 21 Nov 2018 22:18

Tgt Ion: 77 Resp: 188250

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

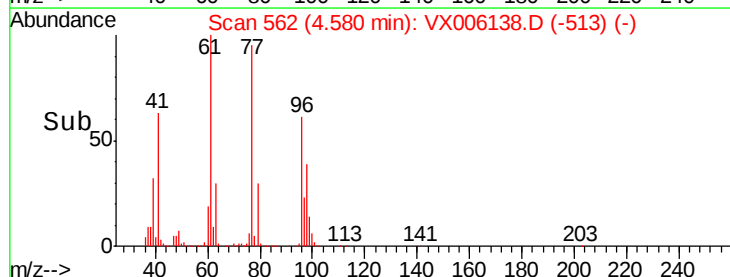
60000

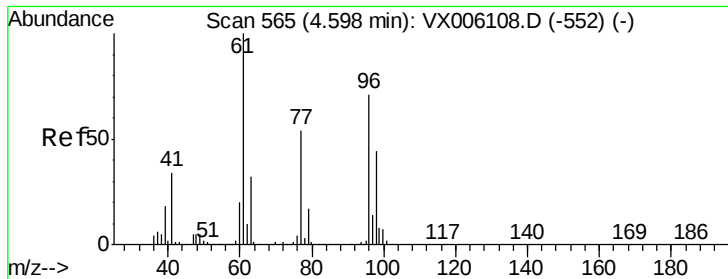
40000

20000

0

Time-->





#27

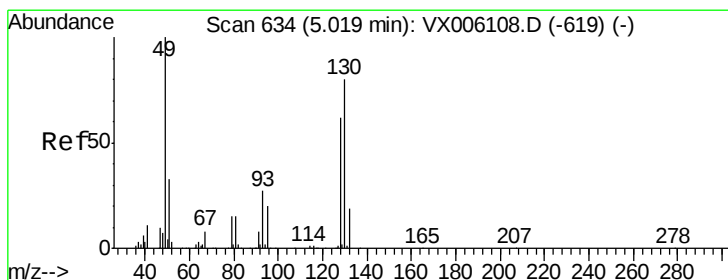
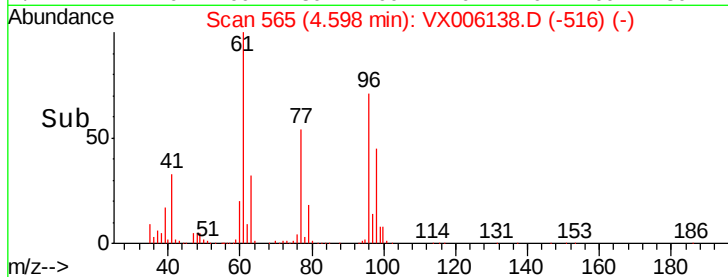
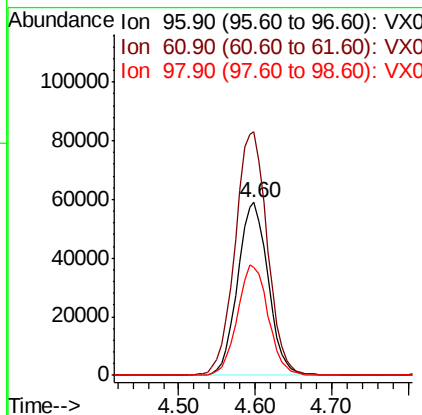
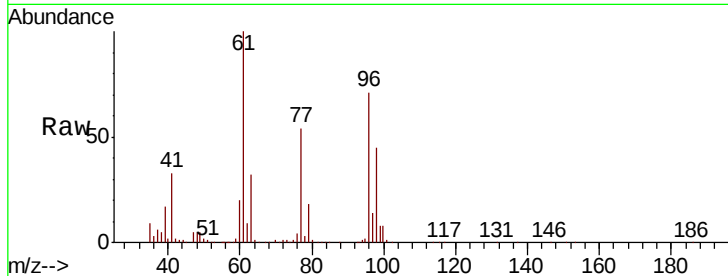
cis-1,2-Dichloroethene
Concen: 48.887 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	291.6
98	64.5	0.0	128.2

Manual Integrations
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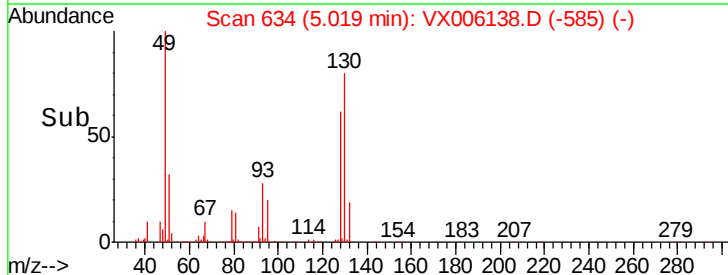
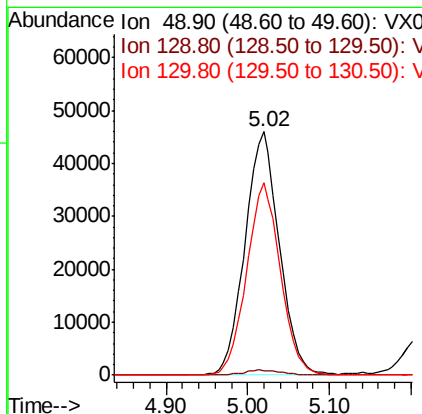
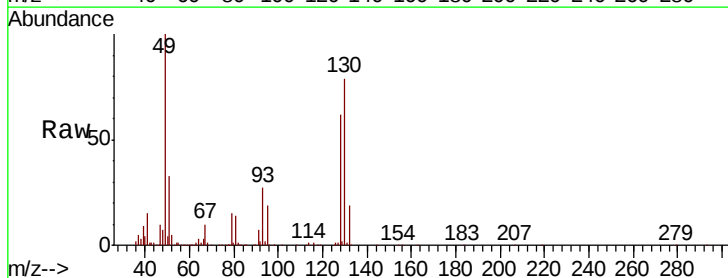
MMDadoda
11/26/2018 9:48:47 AM

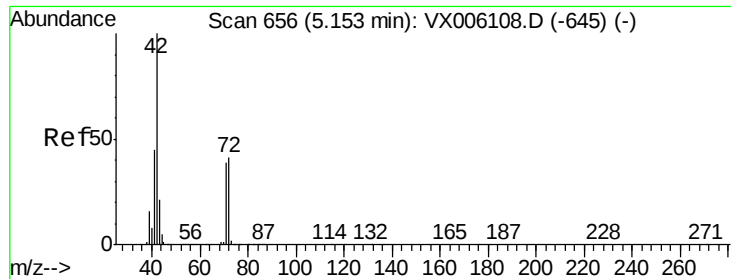


#28

Bromochloromethane
Concen: 49.101 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	77.2	61.6	92.4





#29

Tetrahydrofuran

Concen: 255.258 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

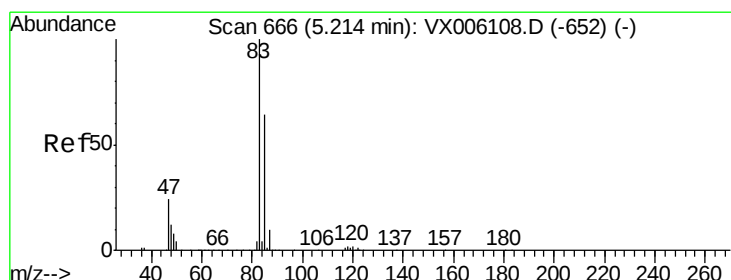
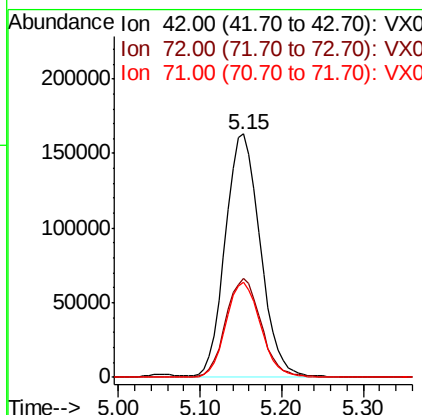
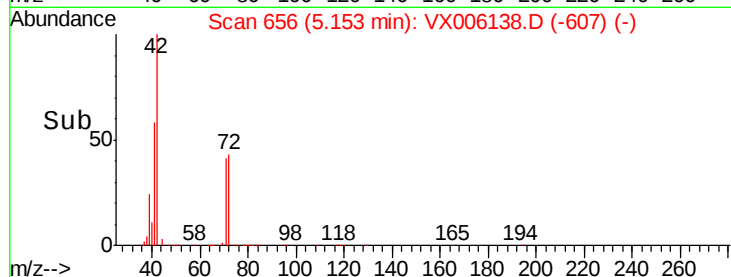
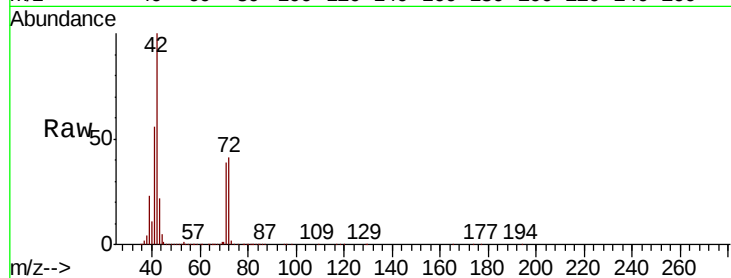
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	482119
Ion Ratio		Lower	Upper
42	100		
72	41.3	33.0	49.6
71	38.9	31.0	46.4

Manual Integrations
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#30

Chloroform

Concen: 48.525 ug/l

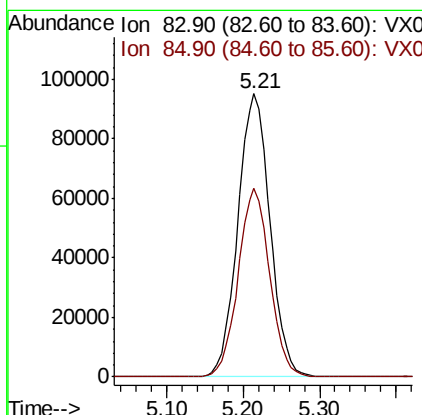
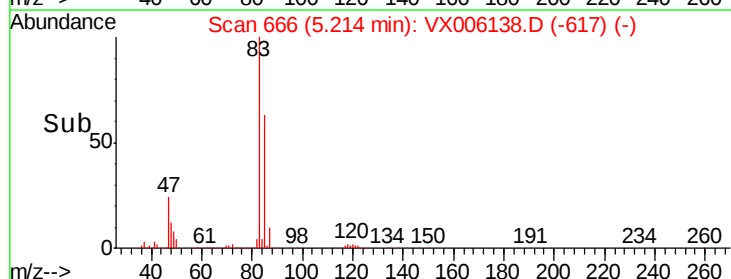
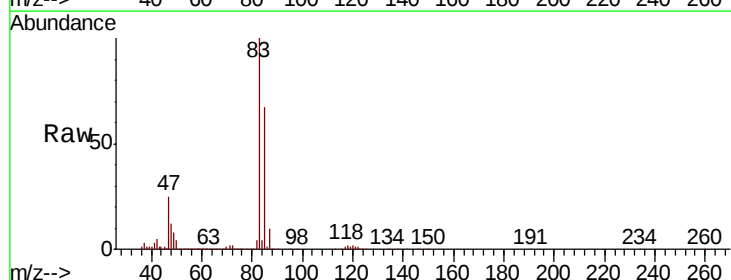
RT: 5.21 min Scan# 666

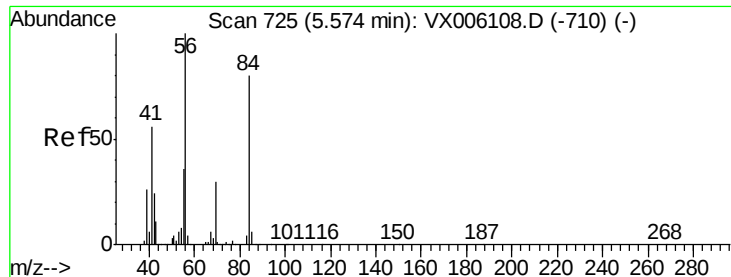
Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Tgt Ion:	83	Resp:	277934
Ion Ratio		Lower	Upper
83	100		
85	66.8	51.0	76.4





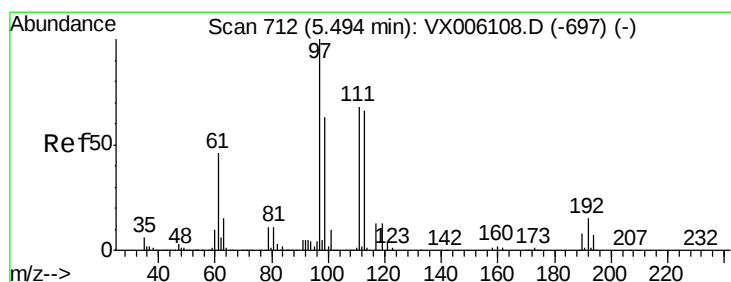
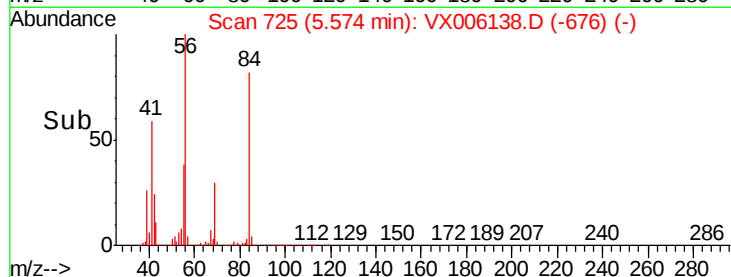
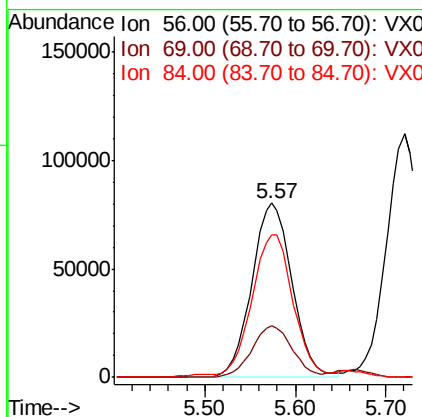
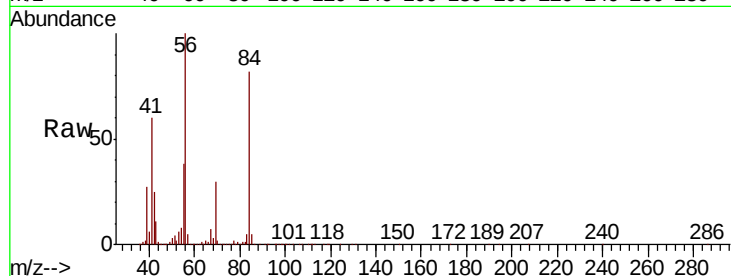
#31
Cyclohexane
Concen: 49.815 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.9	35.9
84	80.7	63.6	95.4

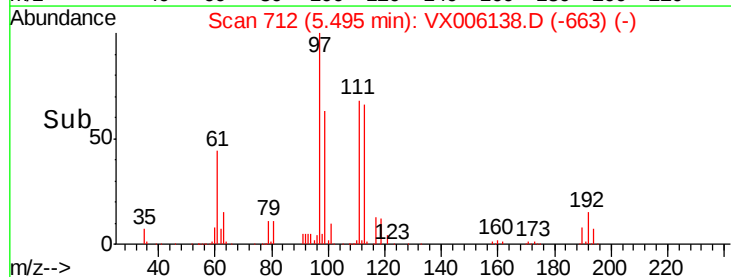
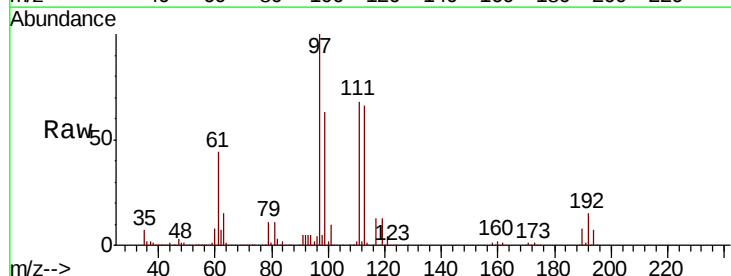
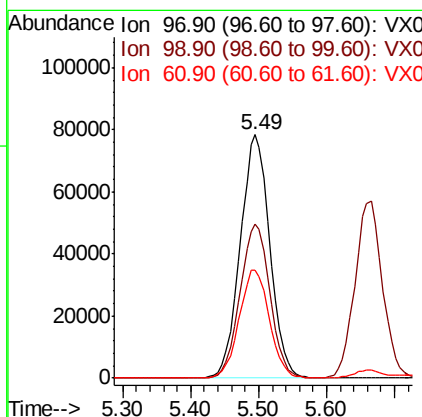
Manual Integrations
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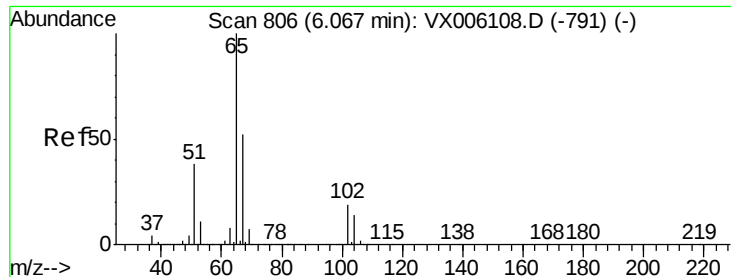
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#32
1,1,1-Trichloroethane
Concen: 51.186 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	45.4	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 51.694 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 190028

Ion Ratio Lower Upper

65 100

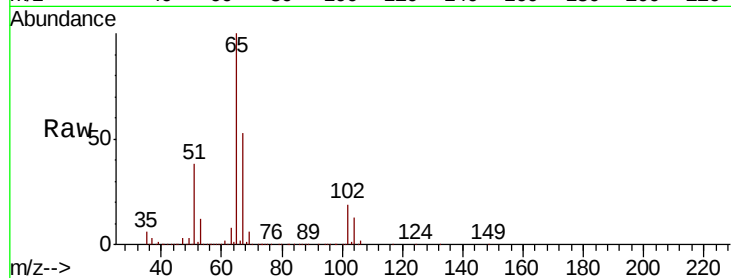
67 53.1 0.0 105.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

80000

60000

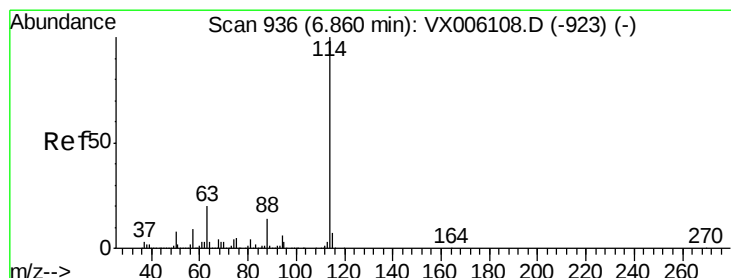
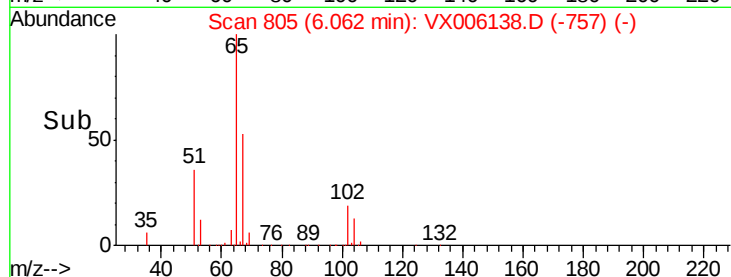
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

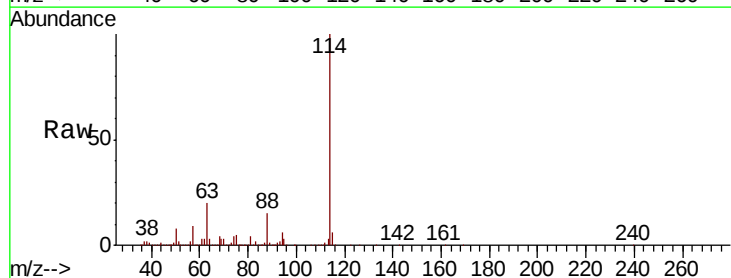
Tgt Ion:114 Resp: 467339

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.2

88 15.3 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

150000

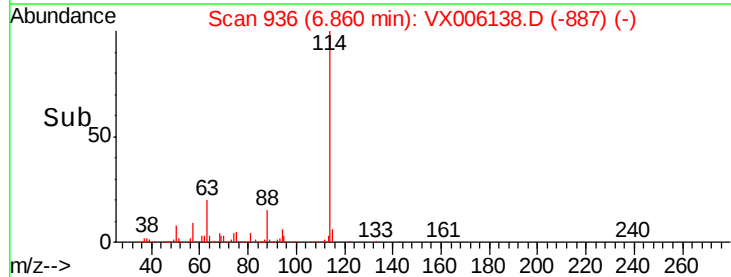
100000

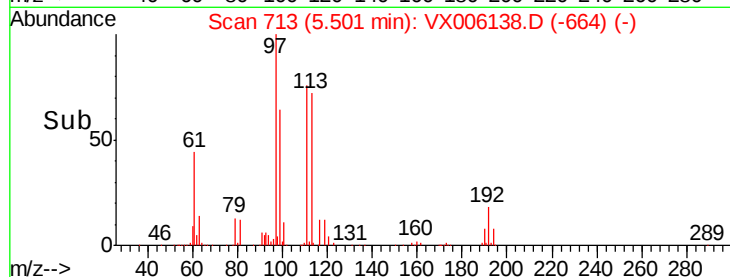
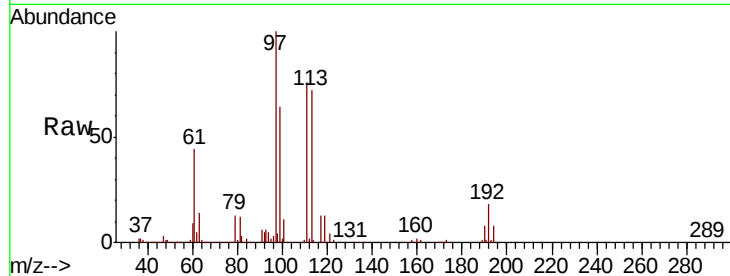
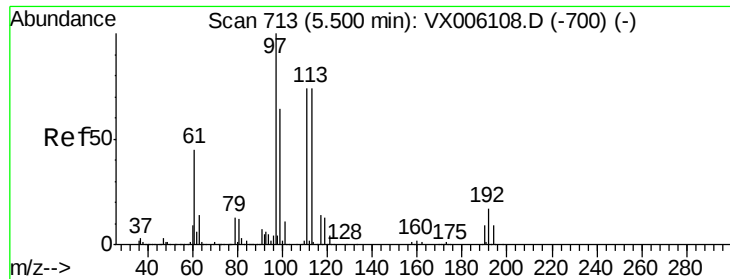
50000

0

6.70 6.80 6.90 7.00 7.10

Time-->





#35

Dibromofluoromethane

Concen: 51.558 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006138.D

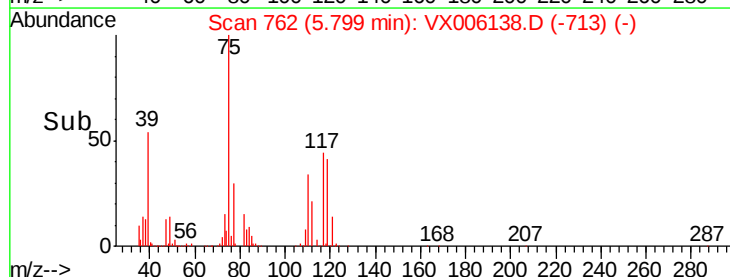
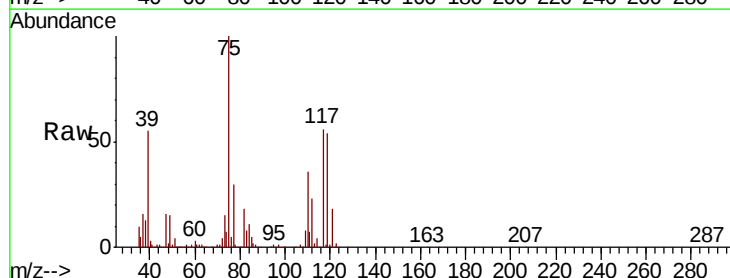
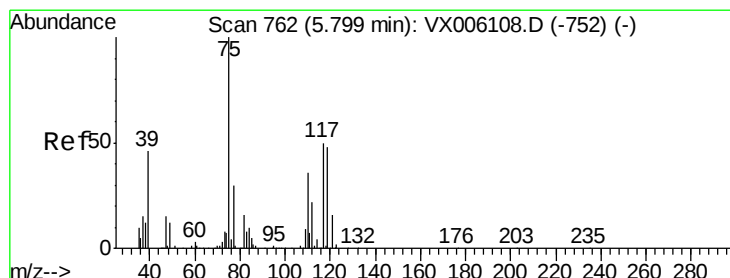
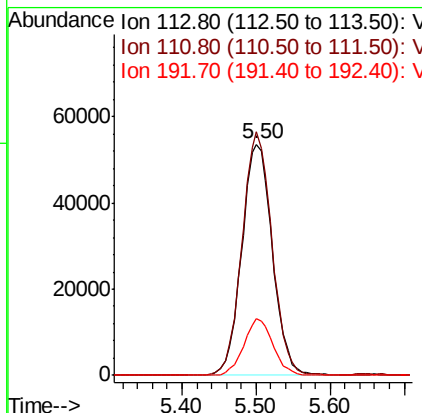
Acq: 21 Nov 2018 22:18

Tot Ion:	113	Resp:	154672
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.5	122.3
192	23.4	18.6	28.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.891 ug/l

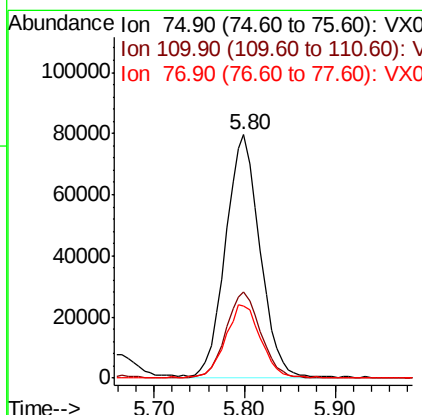
RT: 5.80 min Scan# 762

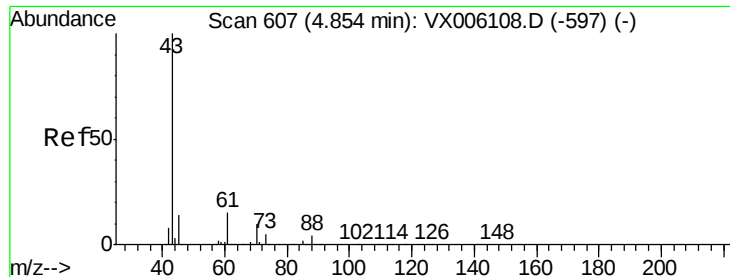
Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Tgt Ion:	75	Resp:	207868
Ion Ratio	Lower	Upper	
75	100		
110	35.9	17.8	53.3
77	30.5	24.5	36.7





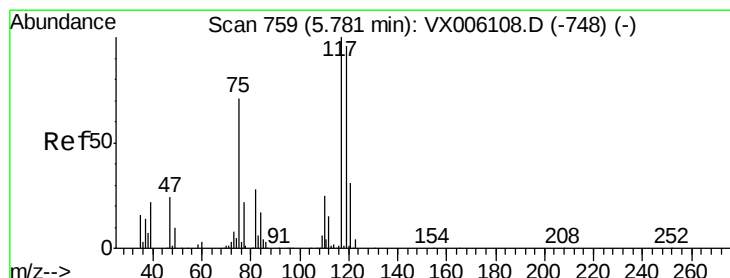
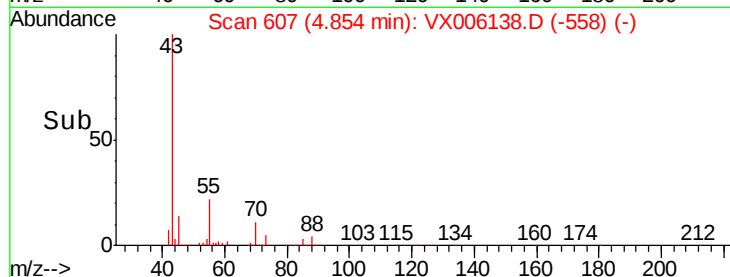
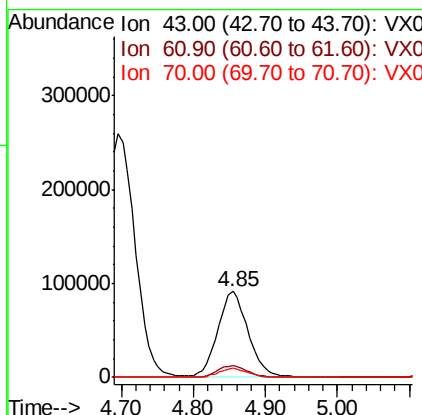
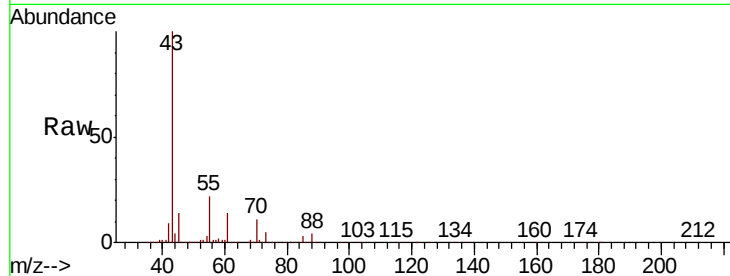
#37
Ethyl Acetate
Concen: 48.850 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	10.0	7.9	11.9

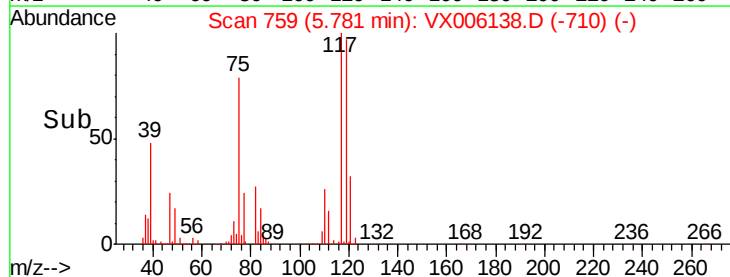
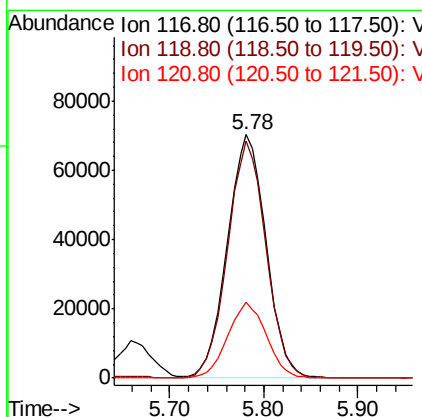
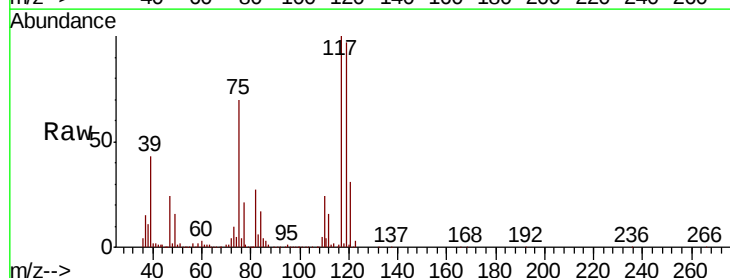
Manual Integrations
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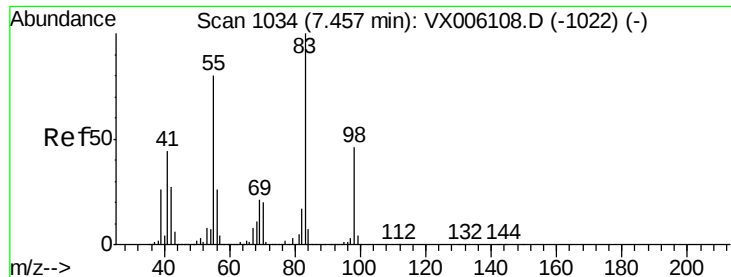
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.261 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.3	114.5
121	31.2	24.7	37.1





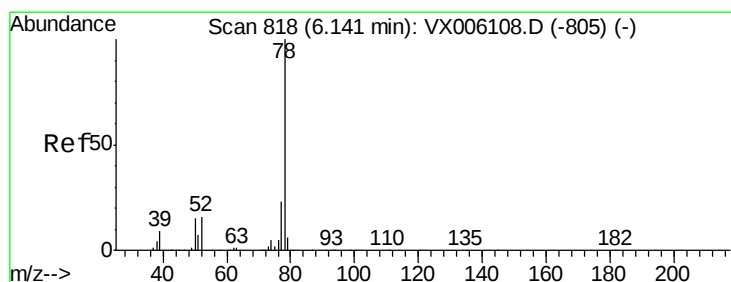
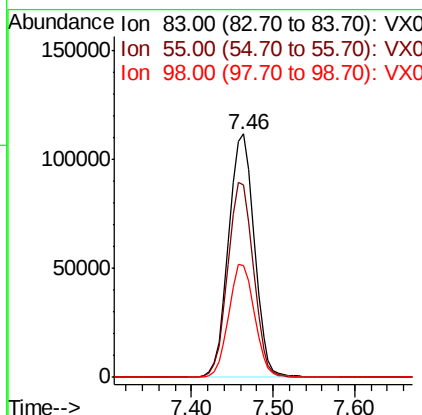
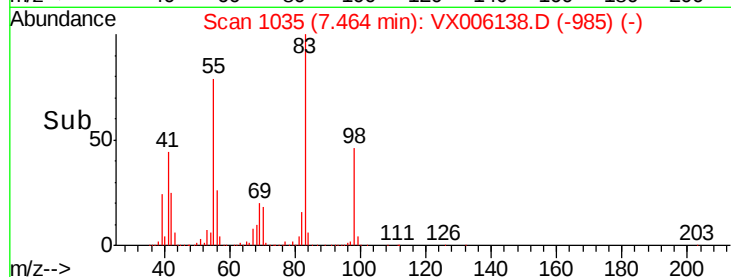
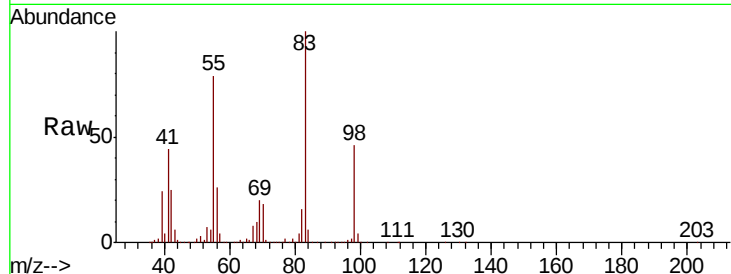
#39
Methvlcvclohexane
Concen: 50.280 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	243538		
55	78.7	63.9	95.9	
98	45.8	36.8	55.2	

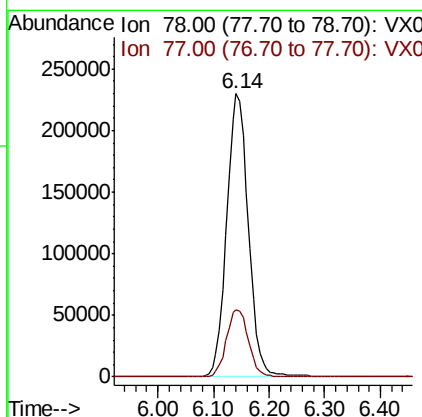
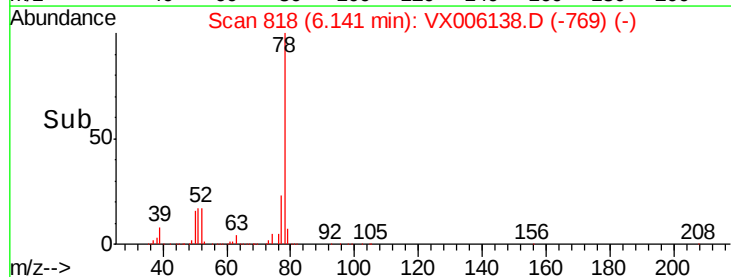
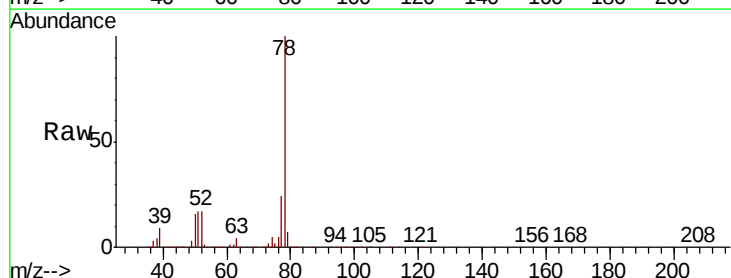
Manual Integrations
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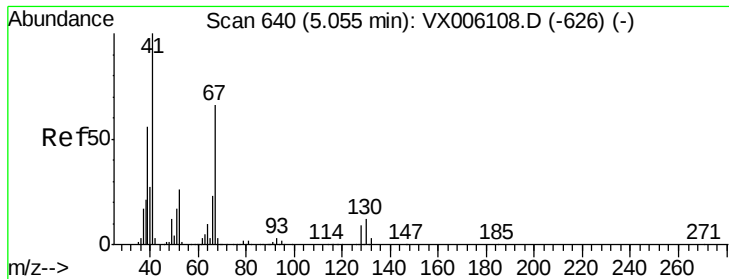
MMDadoda
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#40
Benzene
Concen: 49.492 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	619935		
77	23.8	18.8	28.2	





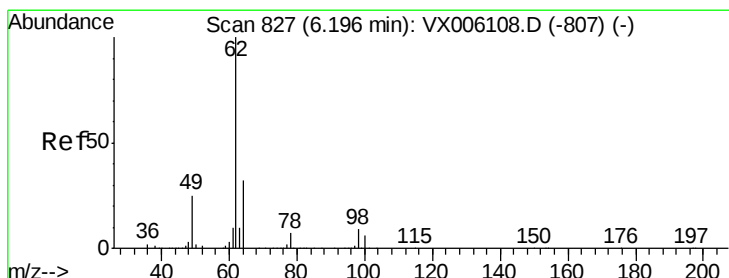
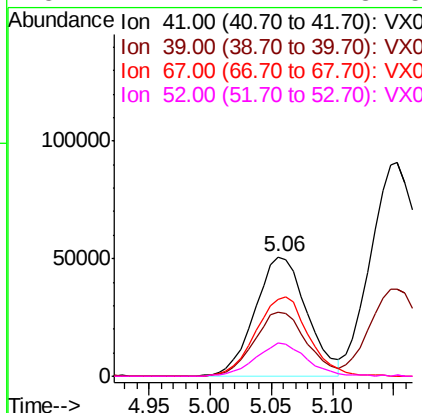
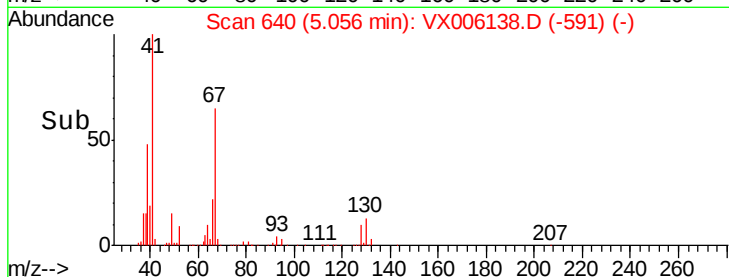
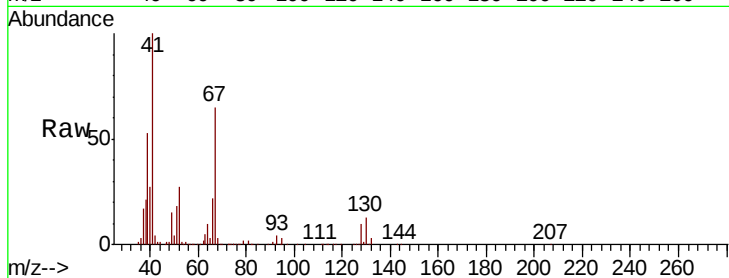
#41
Methacrylonitrile
Concen: 49.698 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.7	44.1	66.1		
67	67.9	54.1	81.1		
52	27.2	21.7	32.5		

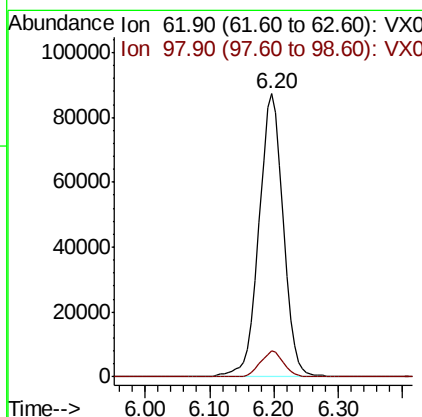
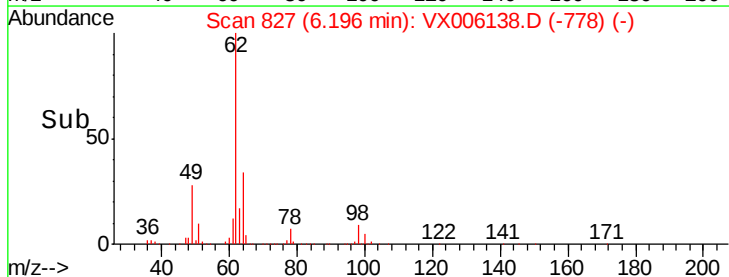
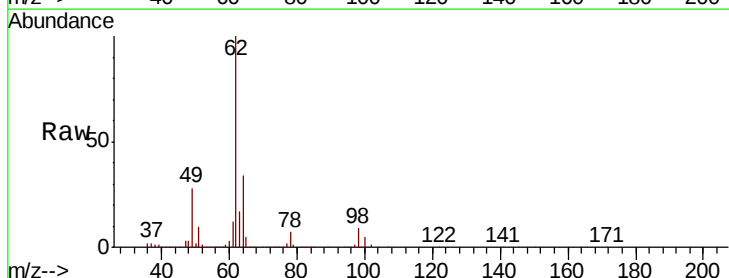
Manual Integrations
APPROVED

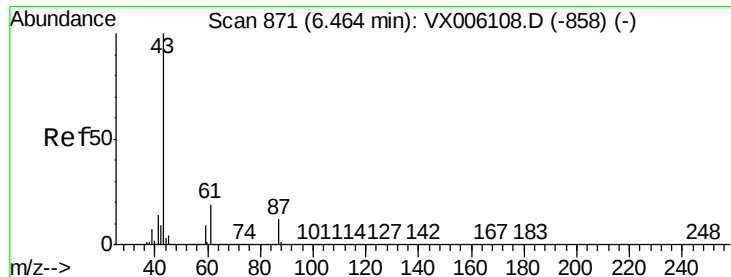
MMDadoda
11/26/2018 9:48:47 AM



#42
1,2-Dichloroethane
Concen: 48.545 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.9	0.0	17.8		





#43

Isopropyl Acetate

Concen: 51.105 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

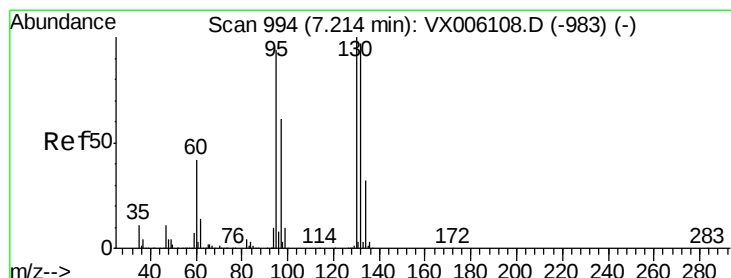
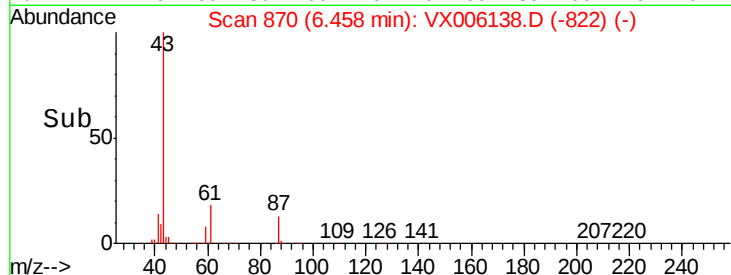
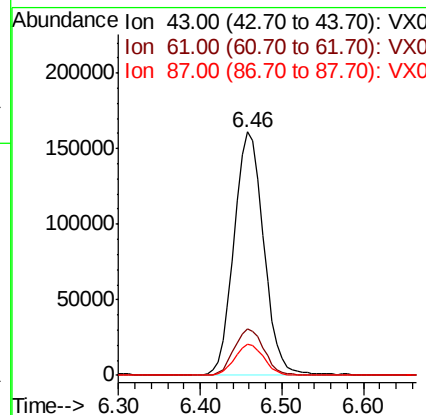
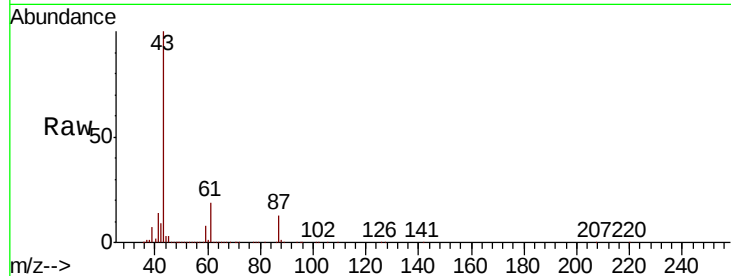
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	403703
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.2	22.8
87	12.5	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 49.381 ug/l

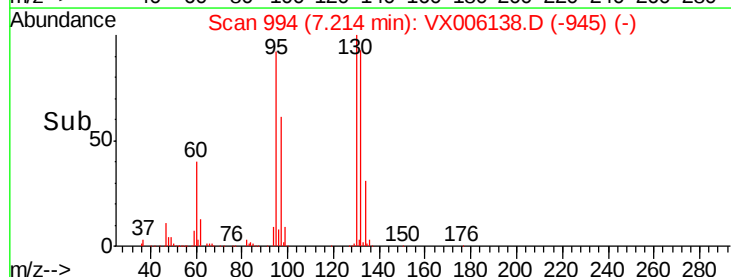
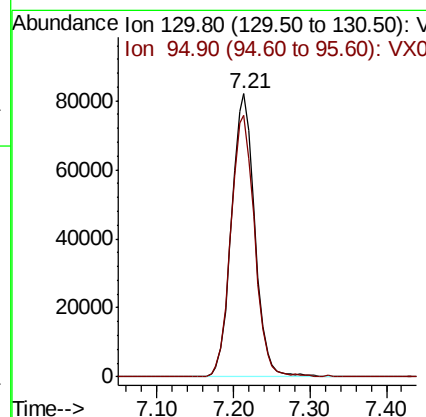
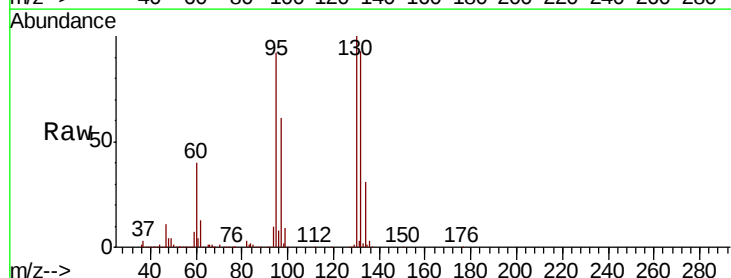
RT: 7.21 min Scan# 994

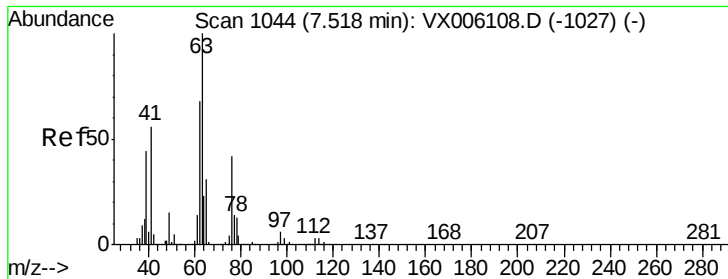
Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Tgt Ion:	130	Resp:	171916
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	188.8





#45

1,2-Dichloropropane

Concen: 50.035 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 165866

Ion Ratio Lower Upper

63 100

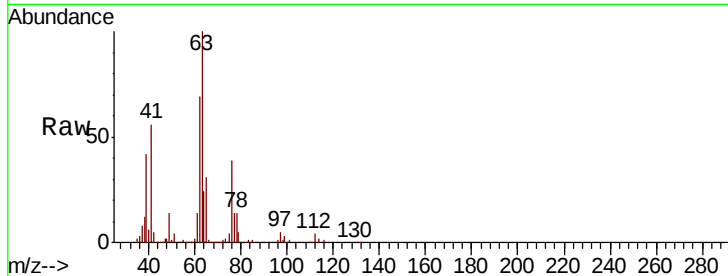
65 30.7 24.8 37.2

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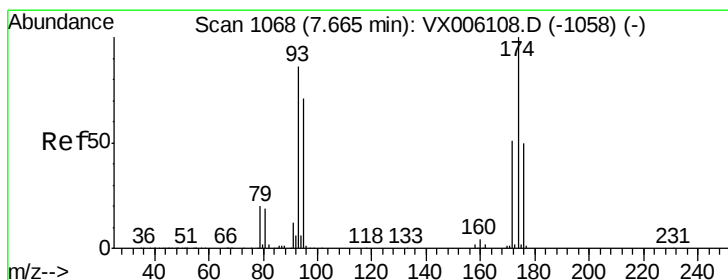
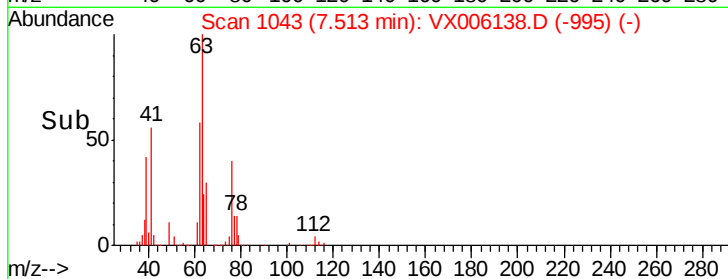
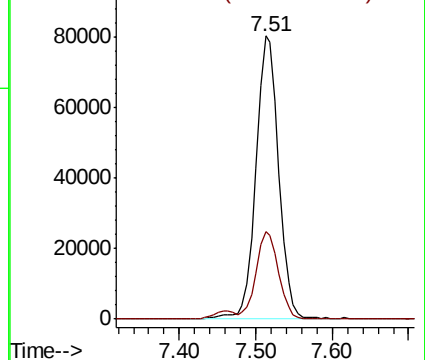
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.744 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

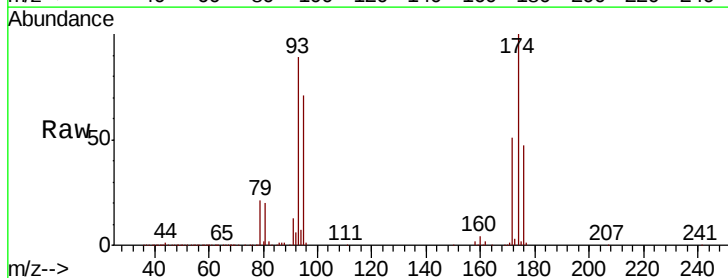
Tgt Ion: 93 Resp: 110660

Ion Ratio Lower Upper

93 100

95 82.1 66.3 99.5

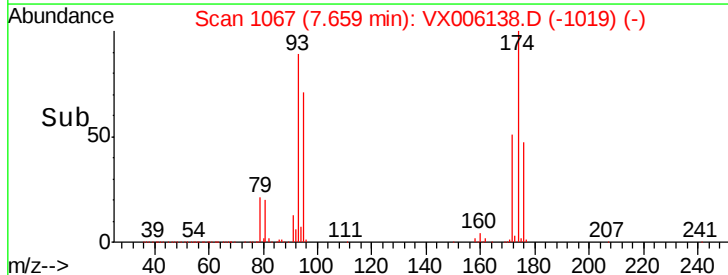
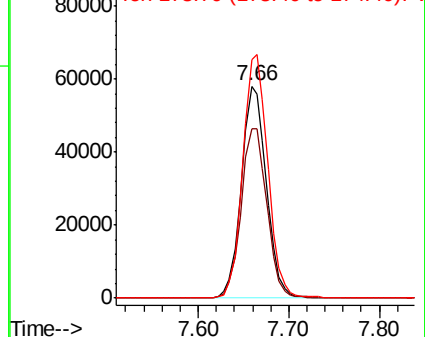
174 115.2 91.0 136.6

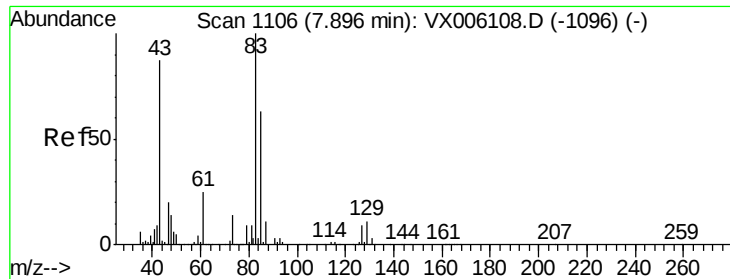


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





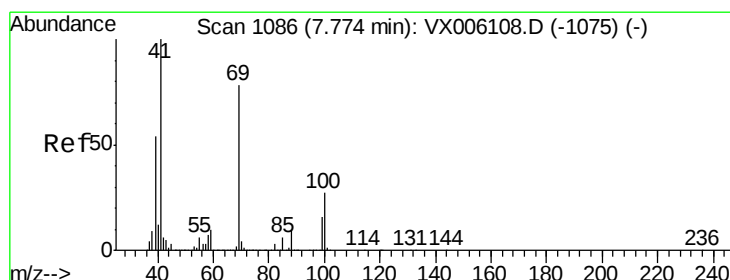
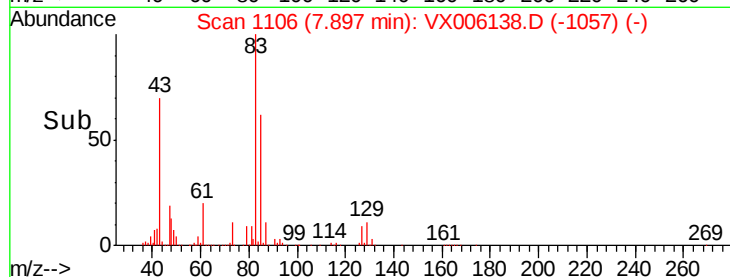
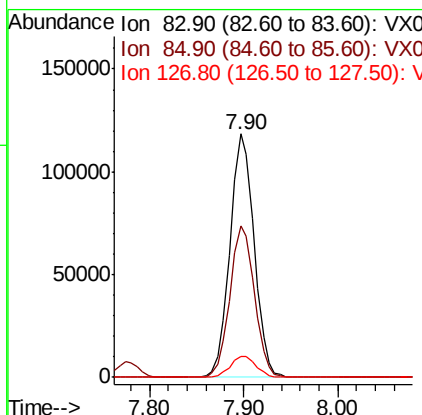
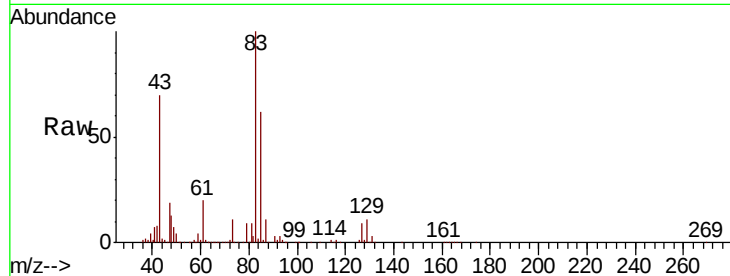
#47
Bromodichloromethane
Concen: 50.221 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.4	75.6
127	8.6	7.0	10.4

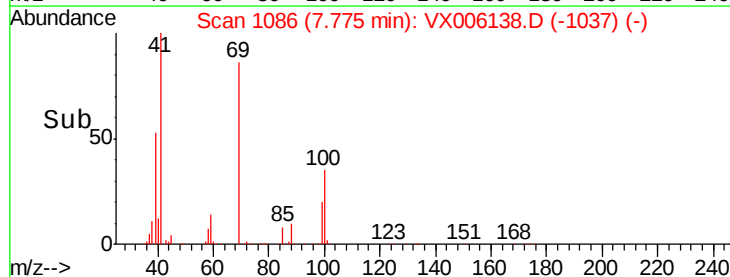
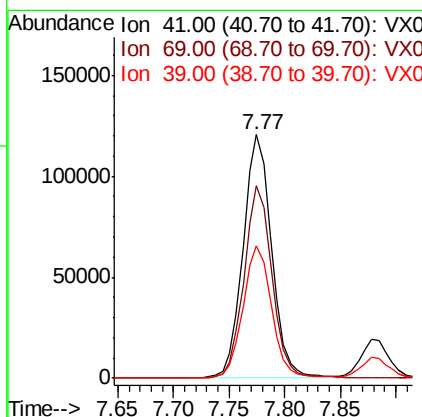
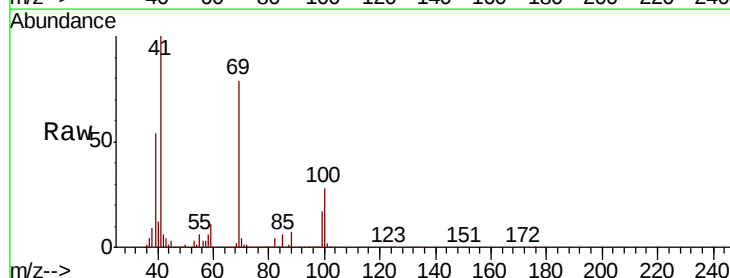
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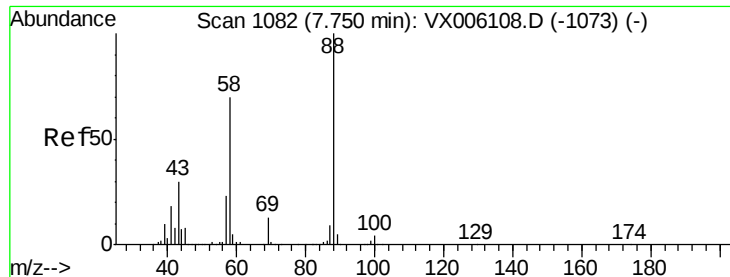
MMDadoda
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#48
Methyl methacrylate
Concen: 53.632 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.1	62.8	94.2
39	54.8	43.8	65.6





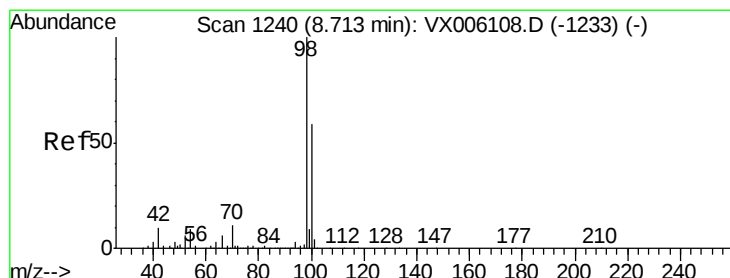
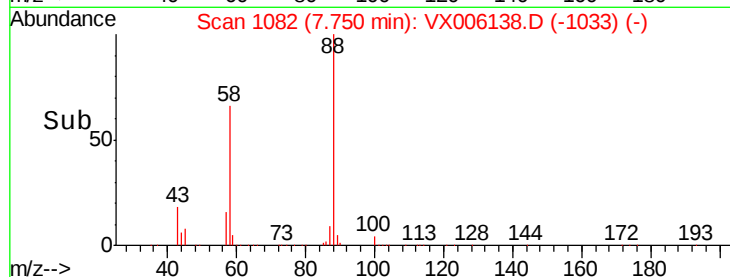
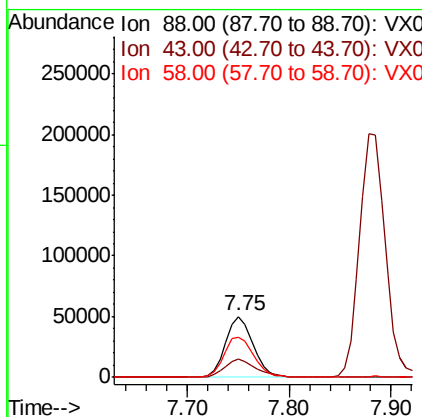
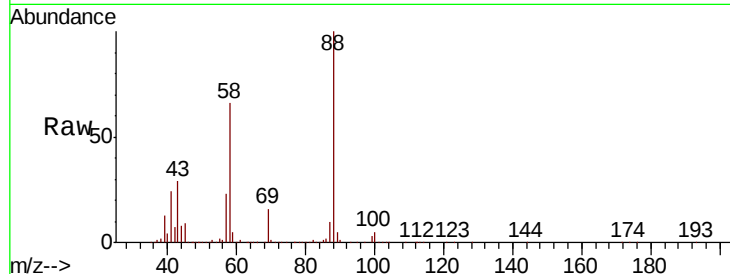
#49
1,4-Dioxane
Concen: 986.304 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.7	40.1
58	71.5	58.5	87.7

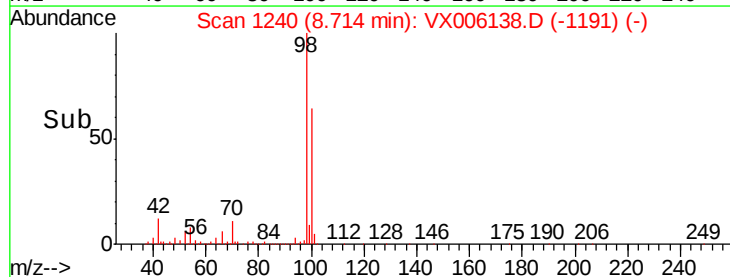
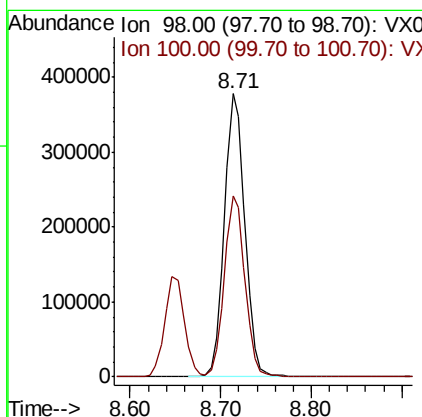
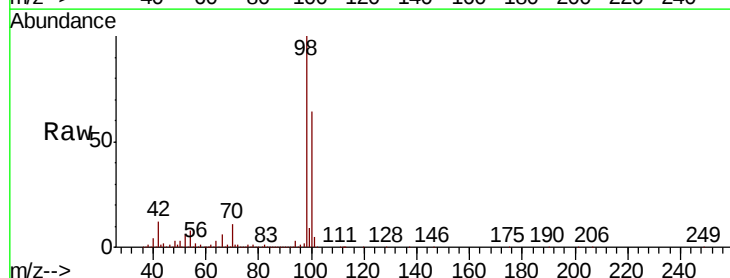
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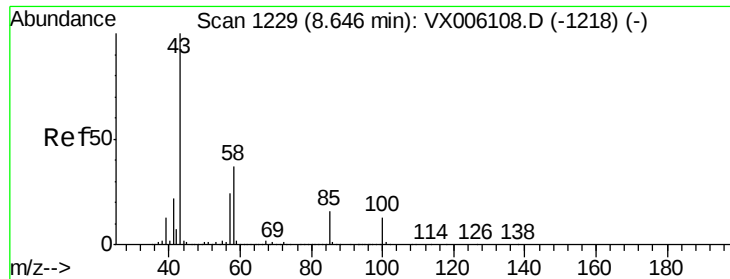
MMDadoda
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#50
Toluene-d8
Concen: 51.789 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.0	76.4





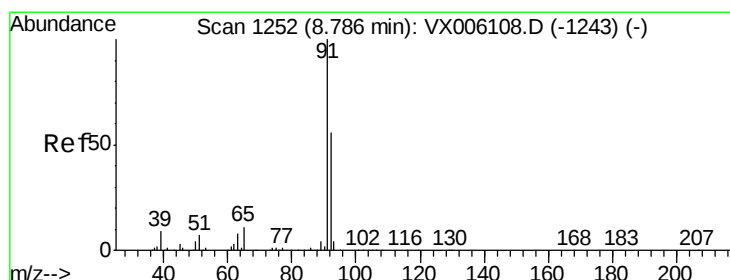
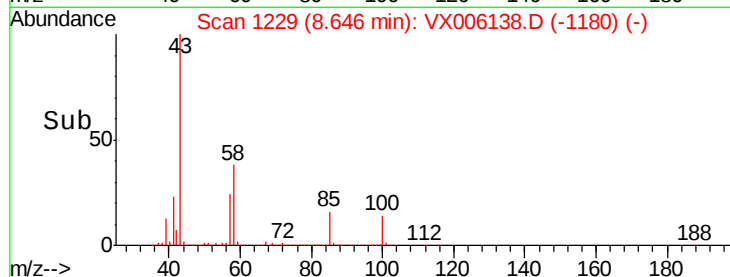
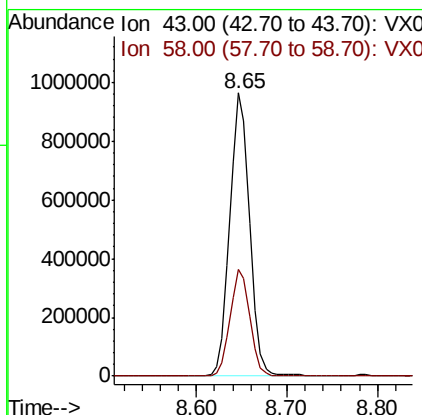
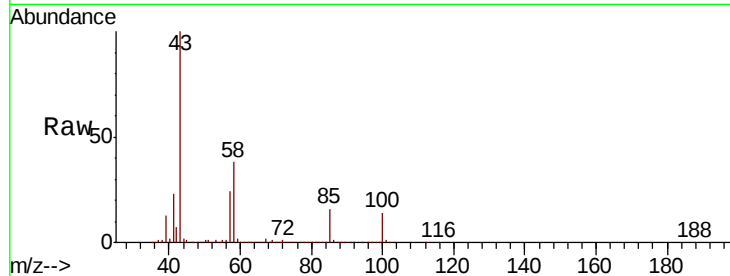
#51
4-Methyl-2-Pentanone
Concen: 258.469 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1463760
Ion Ratio Lower Upper
43 100
58 37.5 29.9 44.9

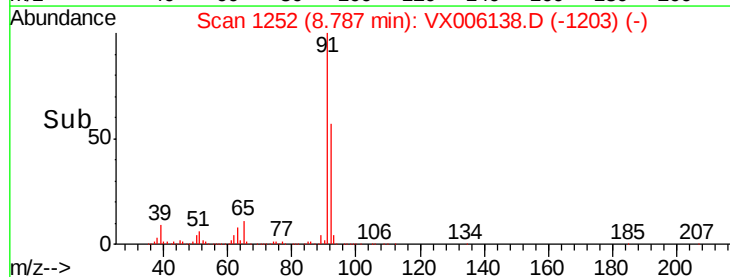
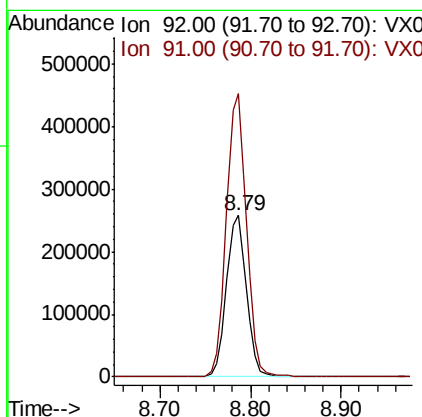
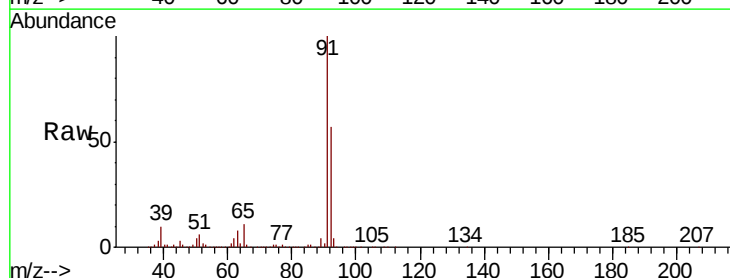
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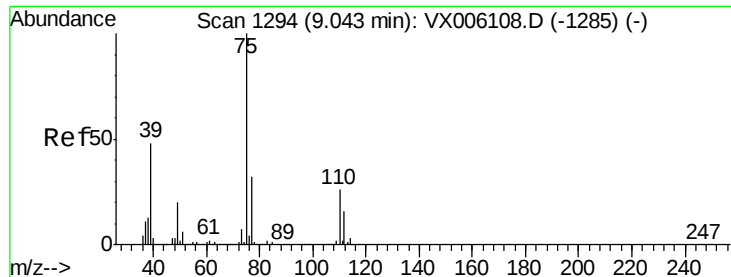
MMDadoda
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#52
Toluene
Concen: 51.272 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion: 92 Resp: 397243
Ion Ratio Lower Upper
92 100
91 175.7 142.5 213.7





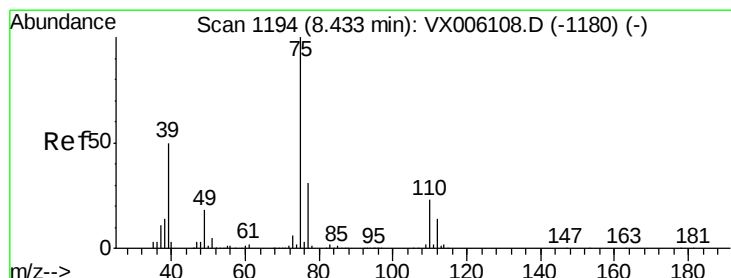
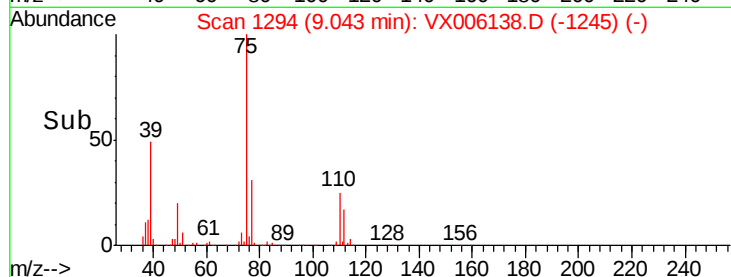
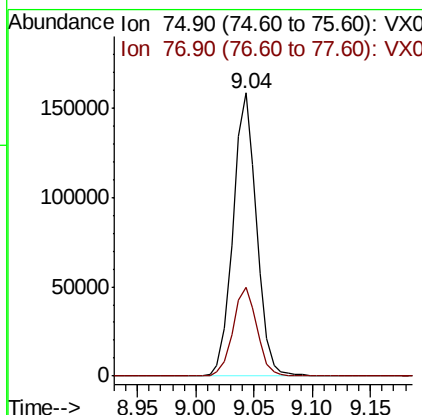
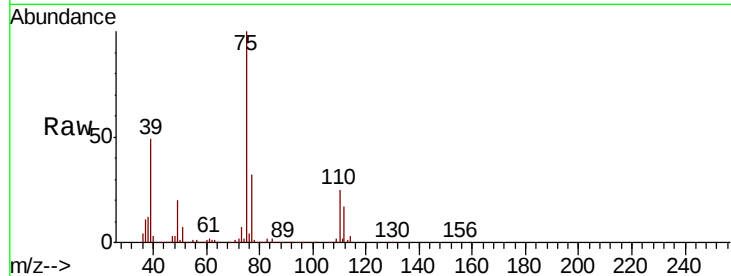
#53
t-1,3-Dichloropropene
Concen: 50.766 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5

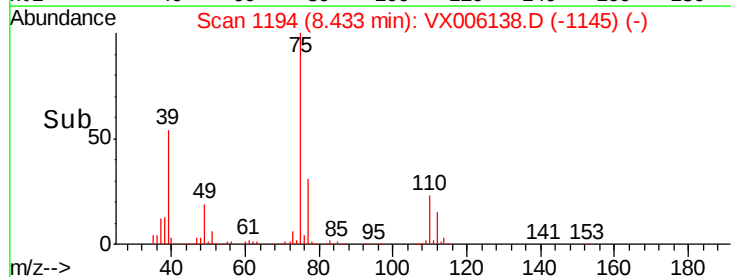
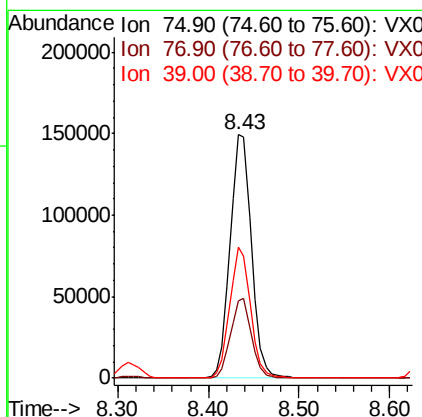
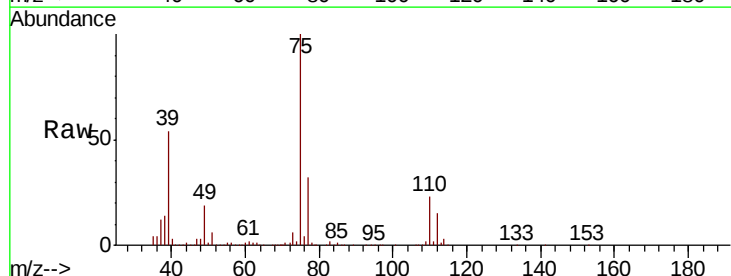
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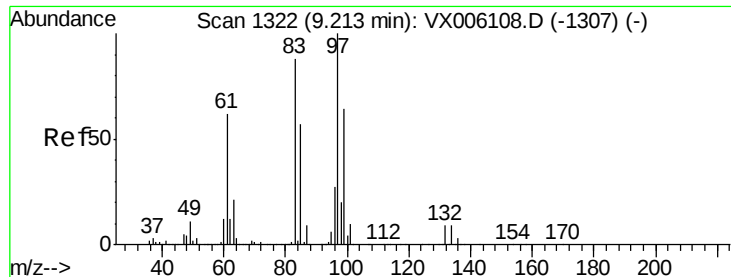
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.450 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.7	37.1
39	53.5	40.3	60.5





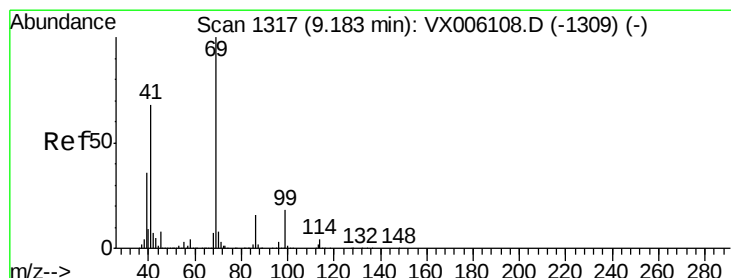
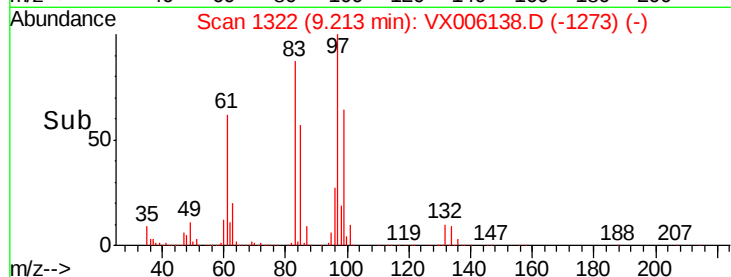
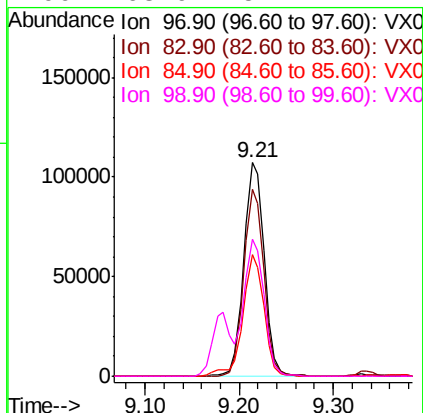
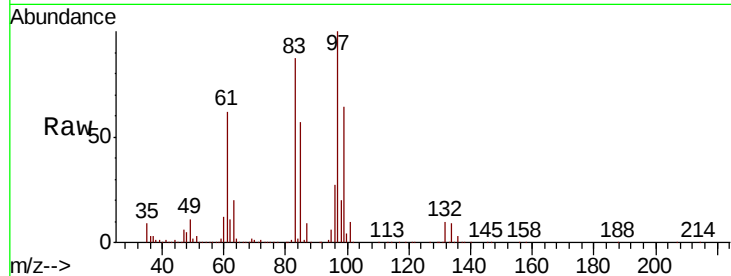
#55
1,1,2-Trichloroethane
Concen: 48.645 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	163224
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.7	106.1
85	56.9	45.7	68.5
99	63.9	51.4	77.2

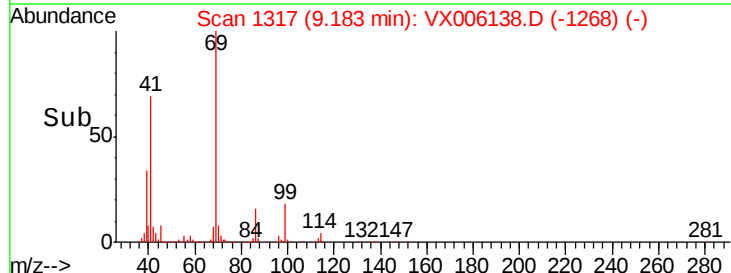
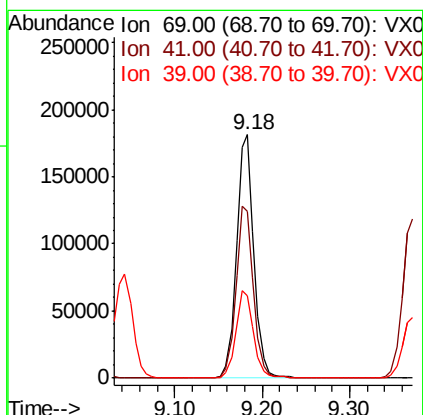
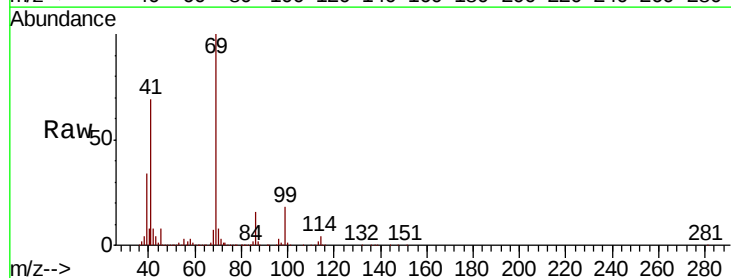
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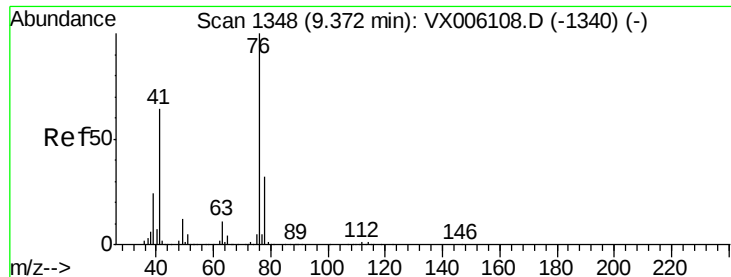
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#56
Ethyl methacrylate
Concen: 48.096 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion:	69	Resp:	250703
Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.2	84.4
39	36.5	29.4	44.0





#57

1,3-Dichloropropane

Concen: 49.583 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 274231

Ion Ratio Lower Upper

76 100

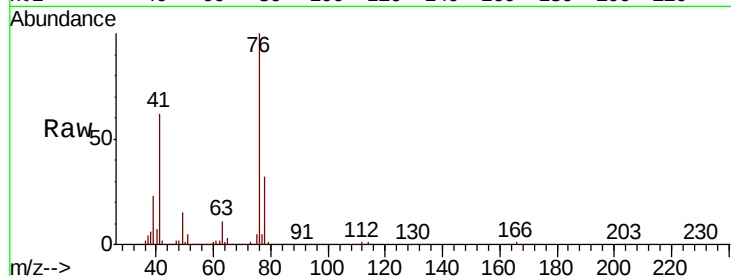
78 31.7 25.7 38.5

Manual Integrations

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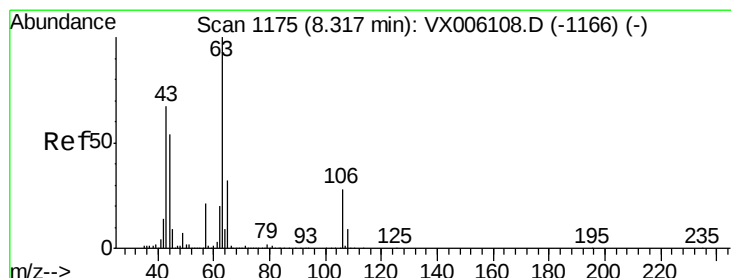
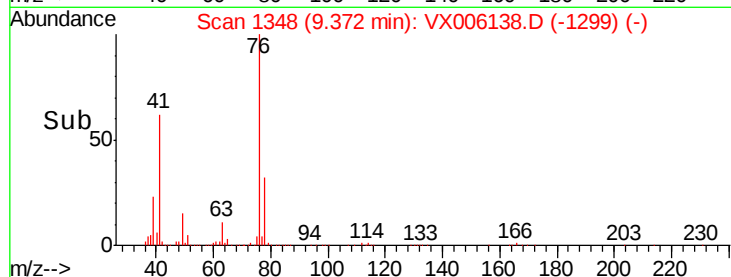
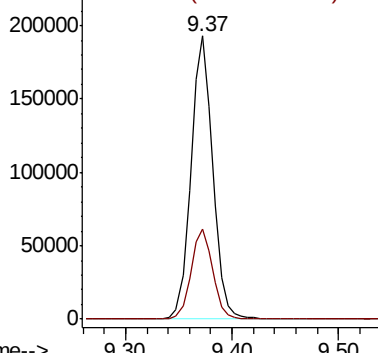
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 243.316 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX006138.D

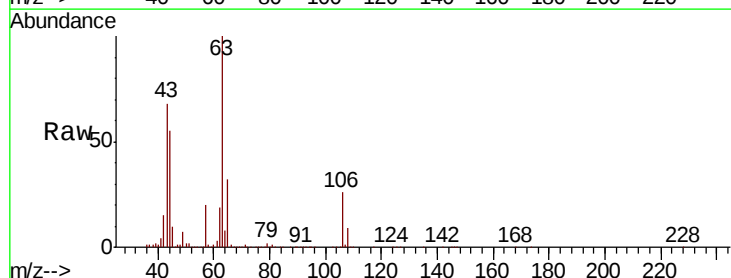
Acq: 21 Nov 2018 22:18

Tgt Ion: 63 Resp: 709012

Ion Ratio Lower Upper

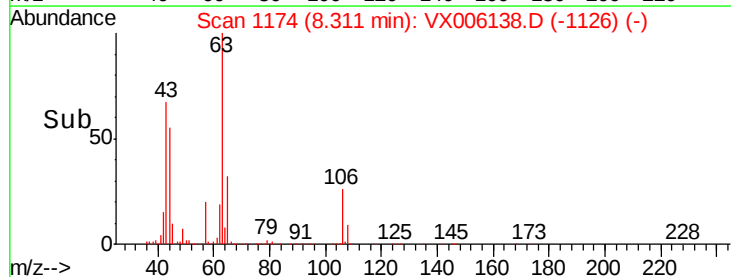
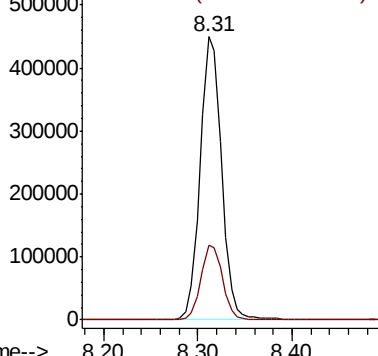
63 100

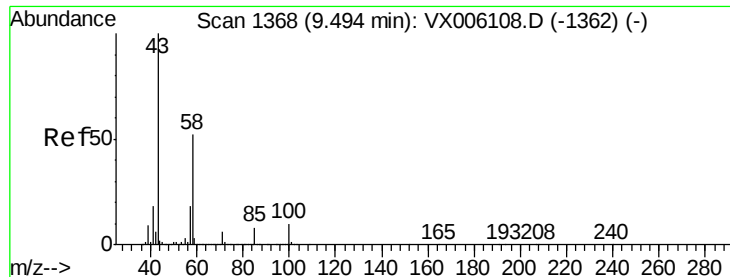
106 26.9 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





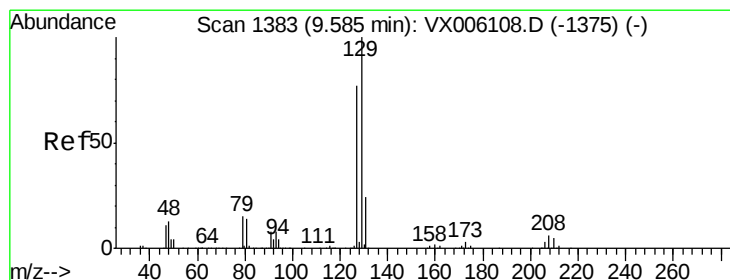
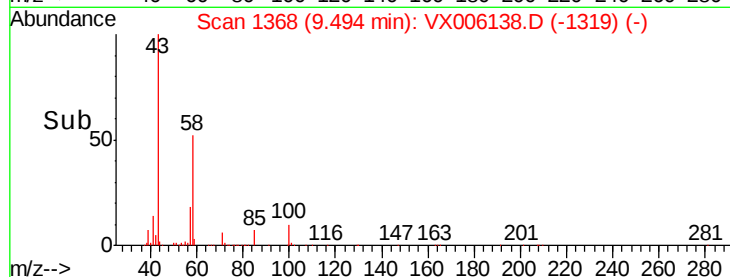
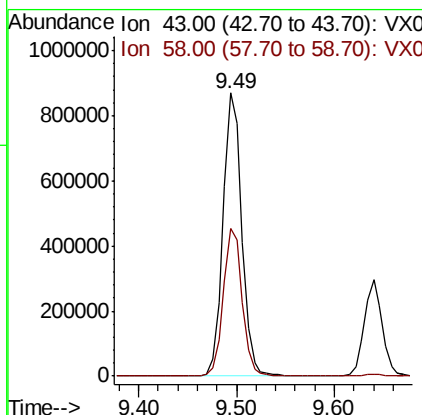
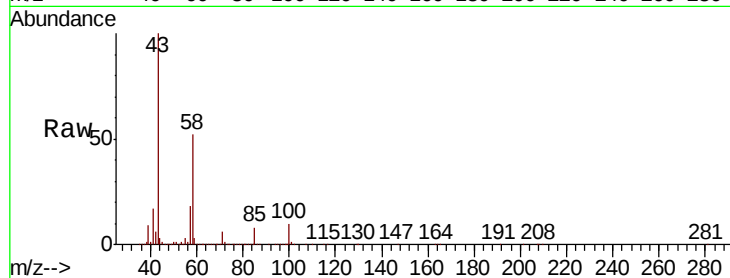
#59
2-Hexanone
Concen: 257.525 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1157413
Ion Ratio Lower Upper
43 100
58 52.7 26.3 78.9

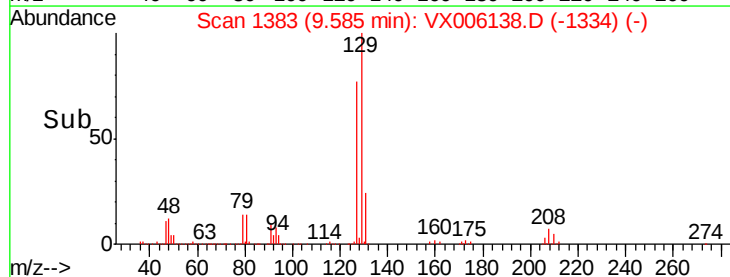
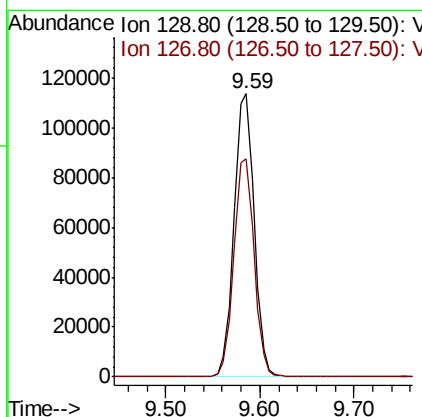
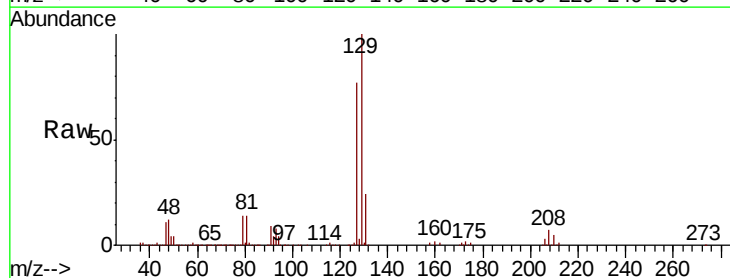
Manual Integrations
APPROVED

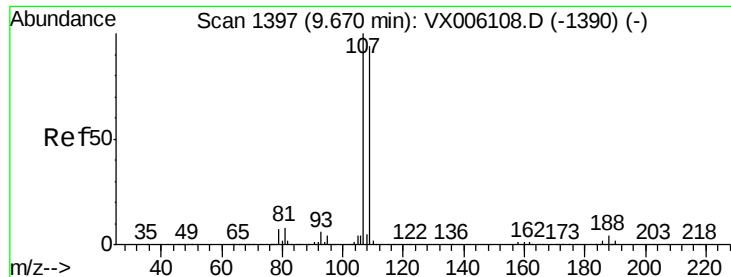
MMDadoda
11/26/2018 9:48:47 AM



#60
Dibromochloromethane
Concen: 51.192 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion: 129 Resp: 168406
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.5





#61

1,2-Dibromoethane

Concen: 50.463 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 174443

Ion Ratio Lower Upper

107 100

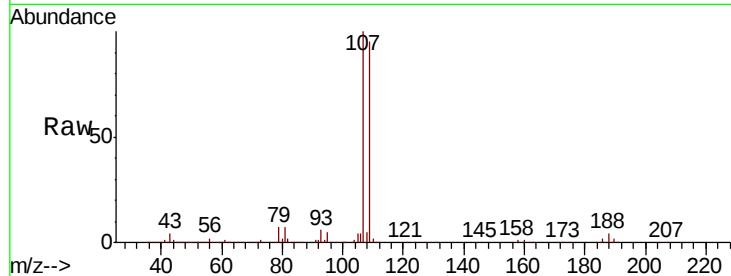
109 94.0 75.7 113.5

Manual Integrations

APPROVED

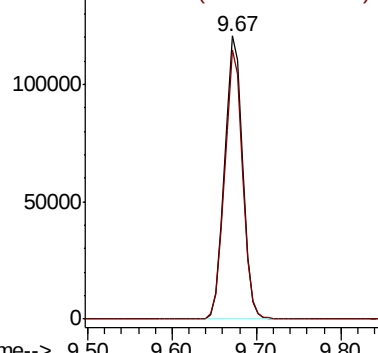
MMDadoda

11/26/2018 9:48:47 AM

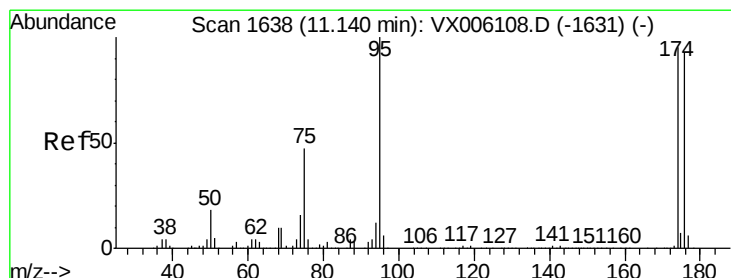
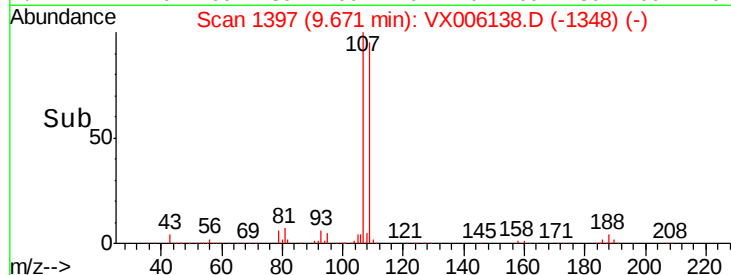


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 9.50 9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 51.377 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

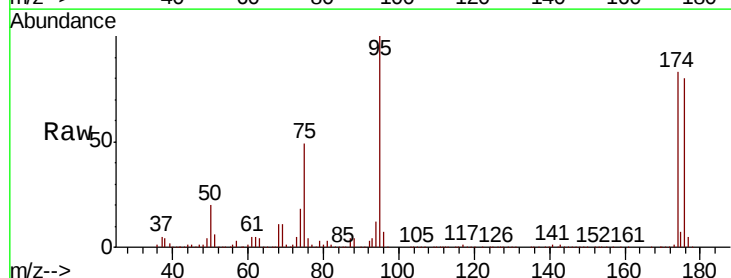
Tgt Ion: 95 Resp: 220570

Ion Ratio Lower Upper

95 100

174 91.7 0.0 184.4

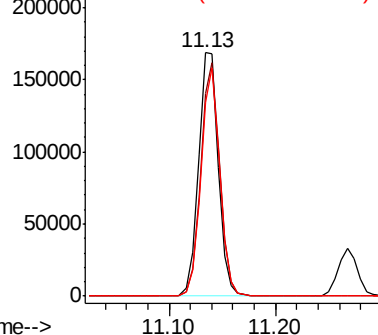
176 88.7 0.0 179.0



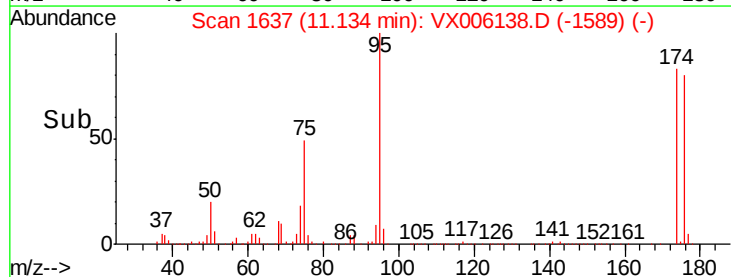
Abundance Ion 94.90 (94.60 to 95.60): VX0

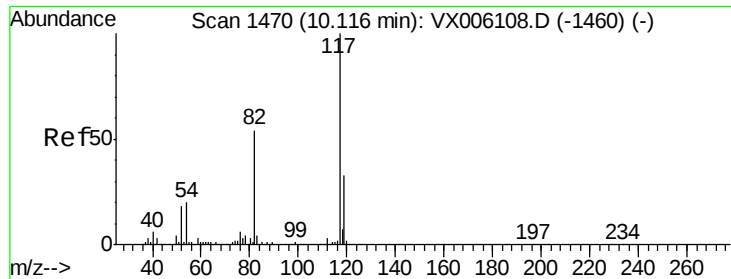
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 11.10 11.20





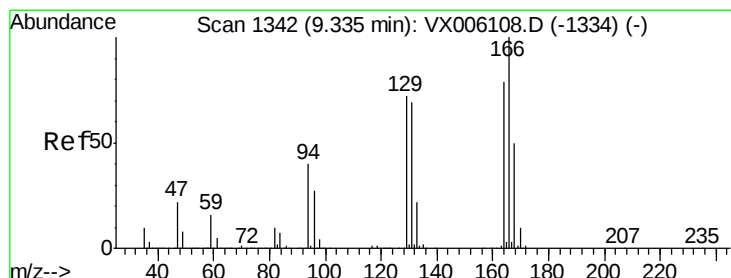
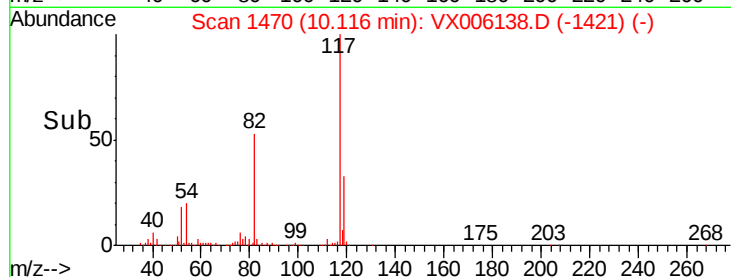
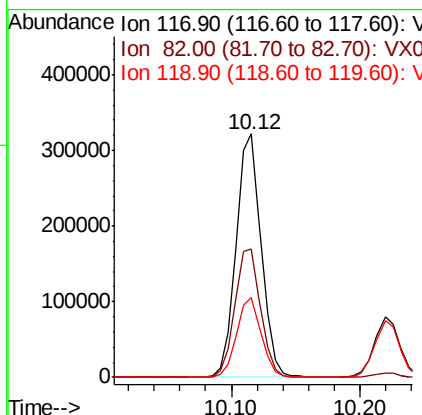
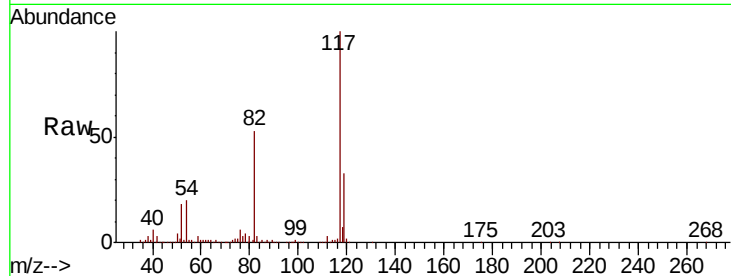
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.0	64.4
119	32.7	26.1	39.1

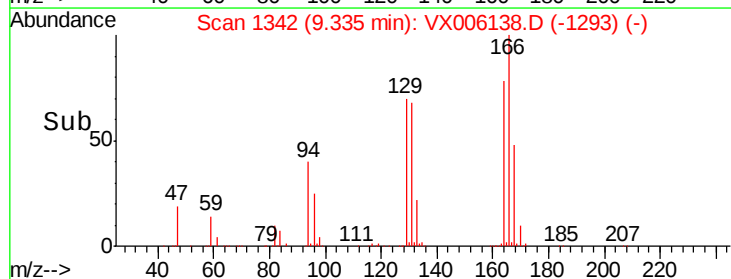
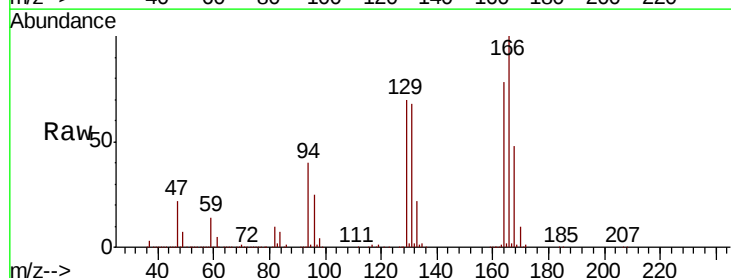
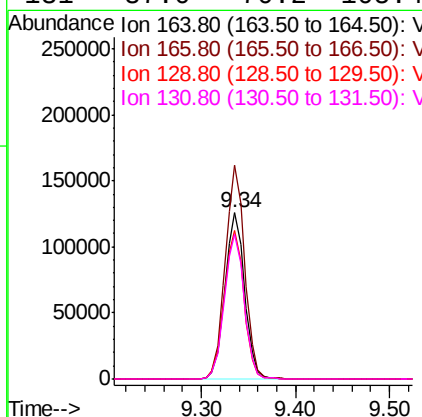
Manual Integrations
APPROVED

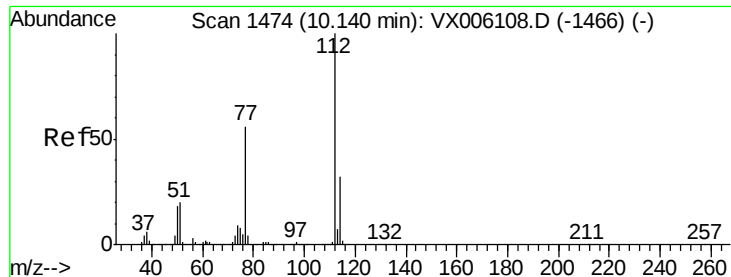
MMDadoda
11/26/2018 9:48:47 AM



#64
Tetrachloroethene
Concen: 50.306 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.5	152.3
129	89.6	73.4	110.0
131	87.0	70.2	105.4





#65

Chlorobenzene

Concen: 49.946 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 447888

Ion Ratio Lower Upper

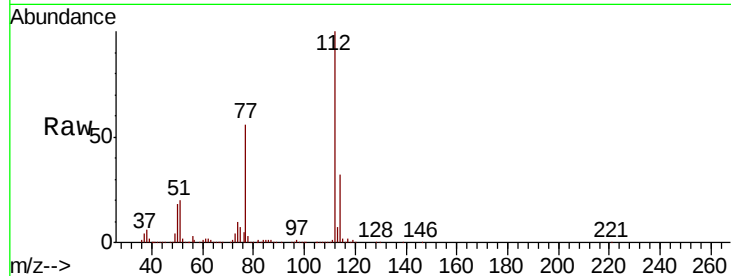
112 100

114 32.0 25.6 38.4

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

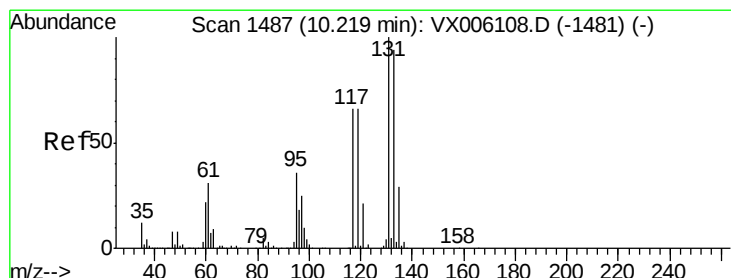
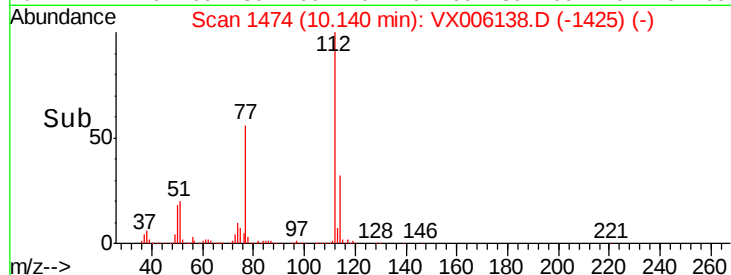
300000

200000

100000

0

Time--> 10.00 10.10 10.20



#66

1,1,1,2-Tetrachloroethane

Concen: 50.650 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

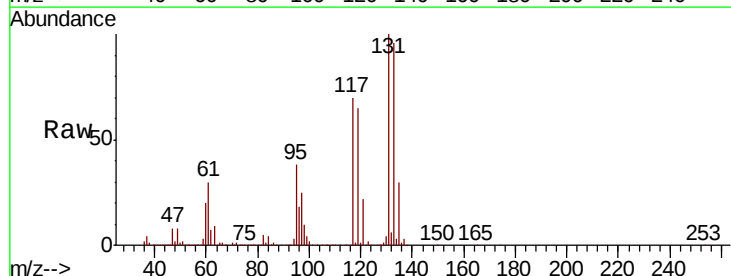
Tgt Ion:131 Resp: 155936

Ion Ratio Lower Upper

131 100

133 96.6 48.0 144.2

119 64.6 32.6 97.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

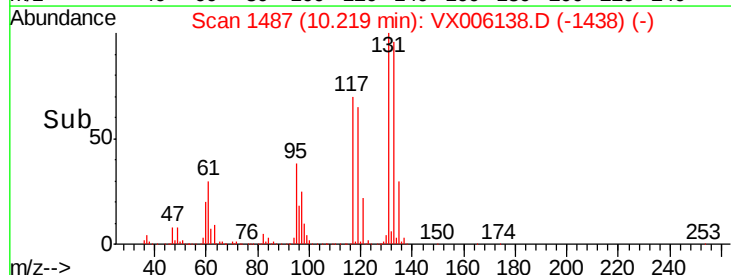
150000

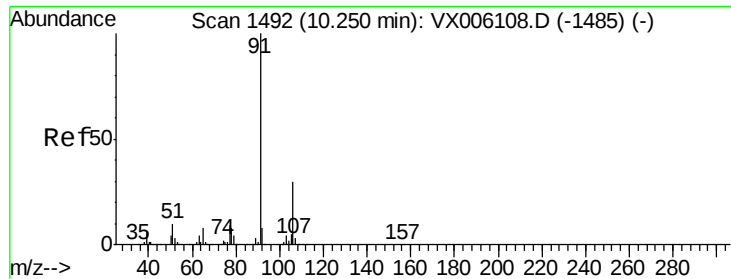
100000

50000

0

Time--> 10.15 10.20 10.25 10.30





#67

Ethyl Benzene

Concen: 52.504 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 770918

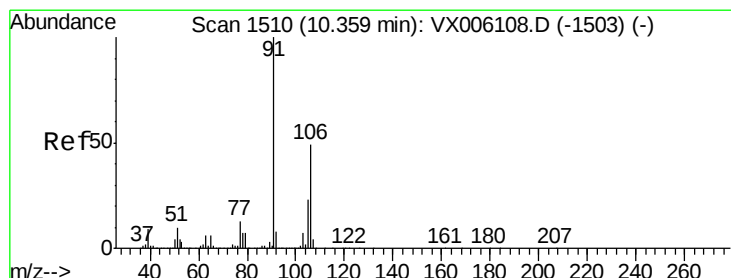
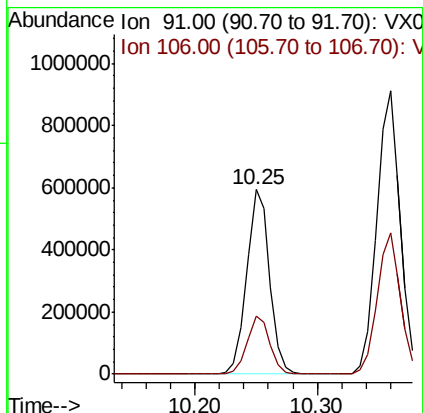
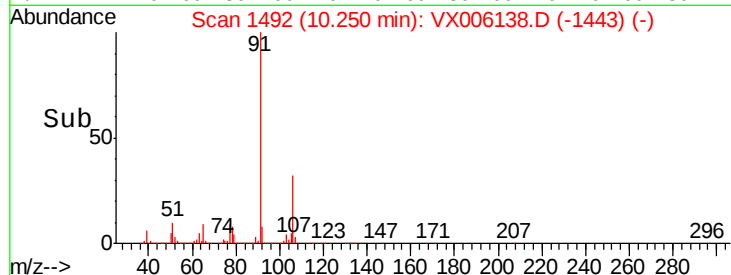
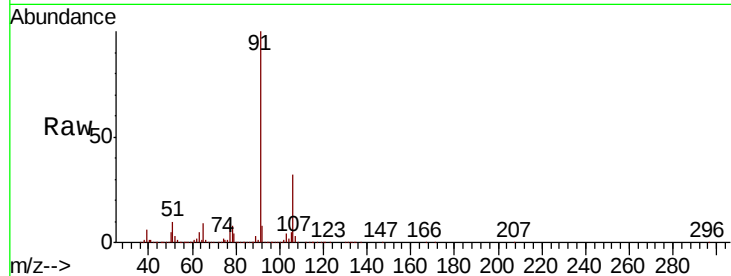
Ion Ratio Lower Upper

91 100

106 31.6 24.4 36.6

Manual Integrations
APPROVED

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11/26/2018 9:48:47 AM



#68

m/p-Xylenes

Concen: 105.185 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006138.D

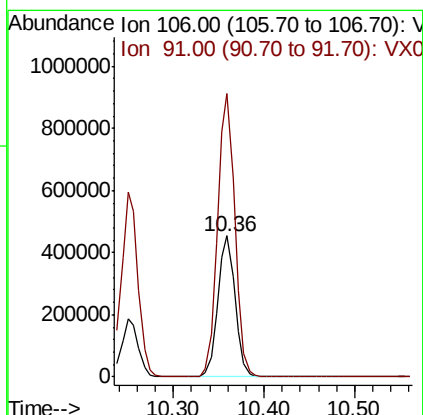
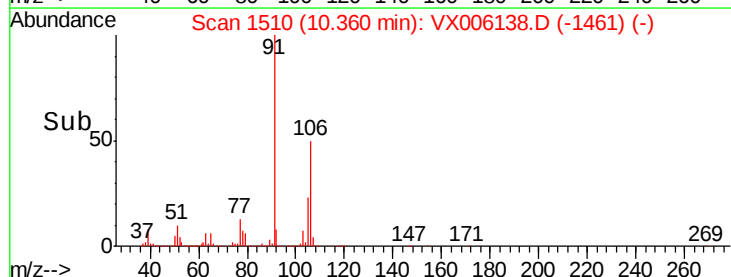
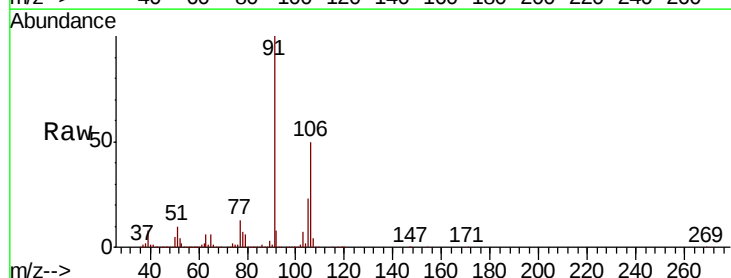
Acq: 21 Nov 2018 22:18

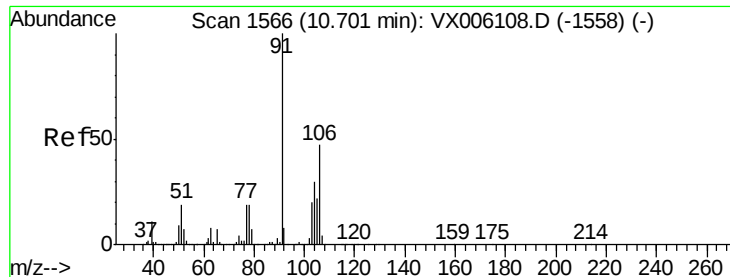
Tgt Ion: 106 Resp: 601392

Ion Ratio Lower Upper

106 100

91 202.1 162.0 243.0





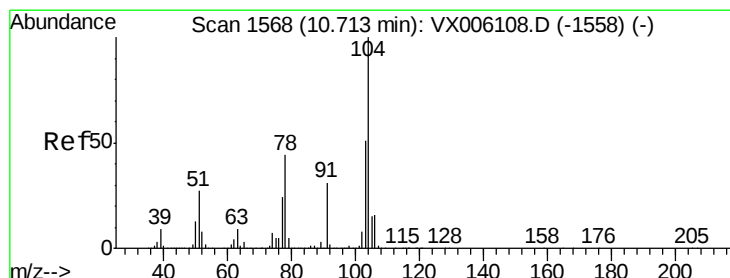
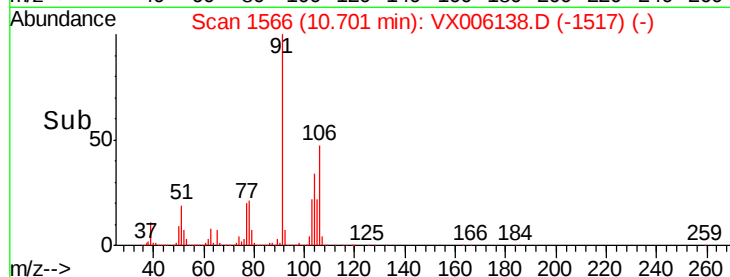
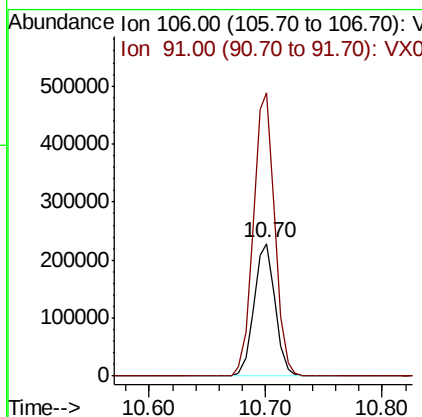
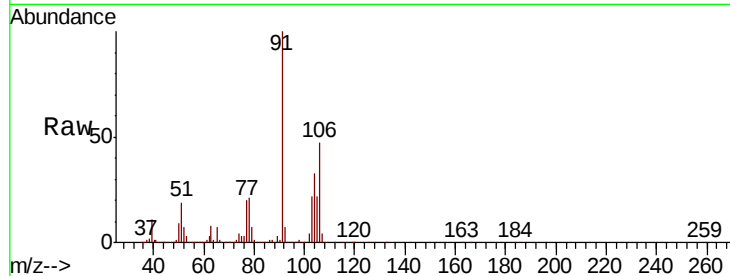
#69
o-Xylene
Concen: 52.851 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 288635
Ion Ratio Lower Upper
106 100
91 215.2 107.4 322.2

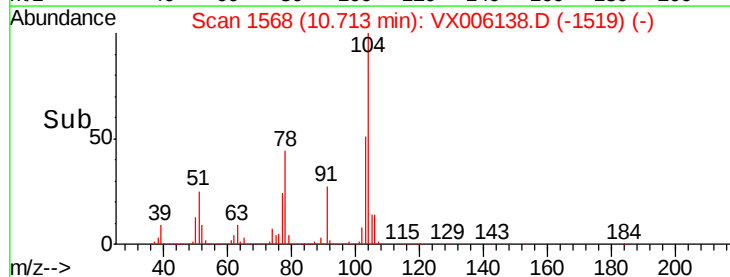
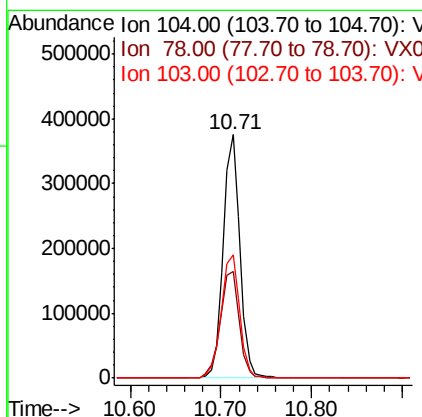
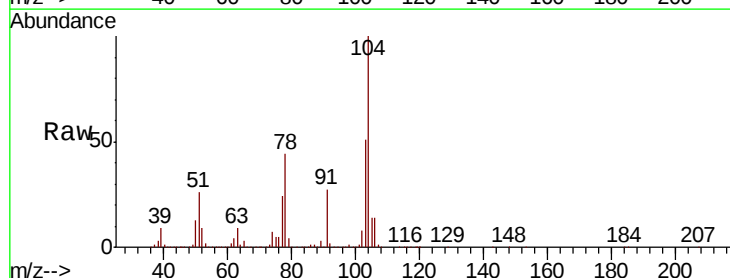
Manual Integrations
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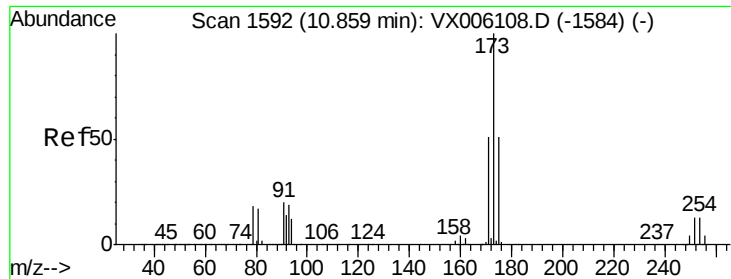
MMDadoda
11/26/2018 9:48:47 AM



#70
Styrene
Concen: 54.140 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion:104 Resp: 482100
Ion Ratio Lower Upper
104 100
78 49.9 39.4 59.2
103 56.1 44.6 67.0





#71

Bromoform

Concen: 50.095 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 138052

Ion Ratio Lower Upper

173 100

175 49.0 24.9 74.6

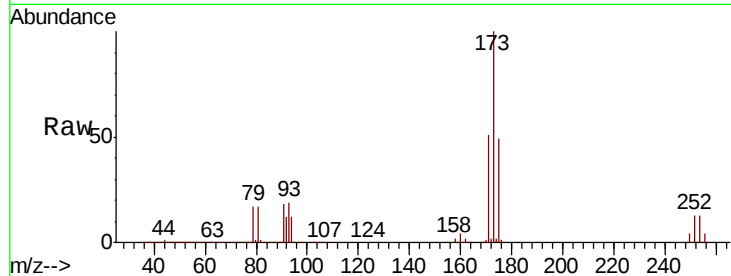
254 0.2 0.2 0.2

Manual Integrations

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MMDadoda

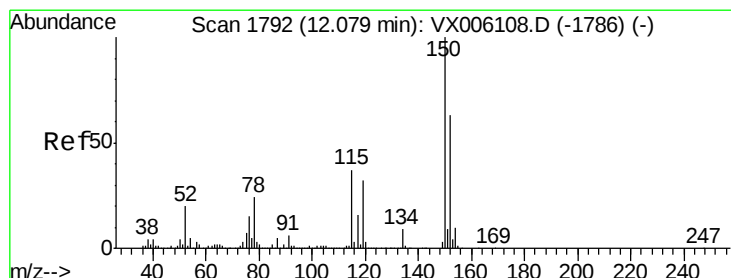
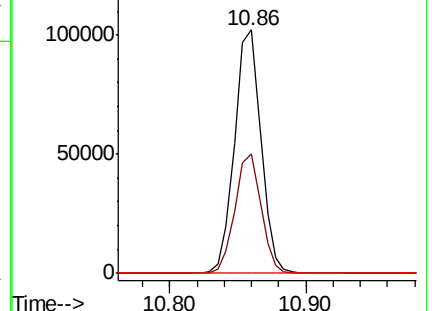
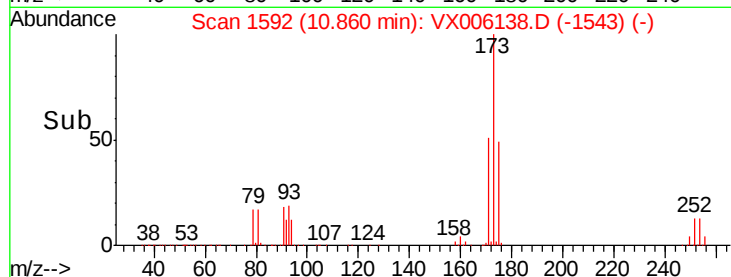
11/26/2018 9:48:47 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

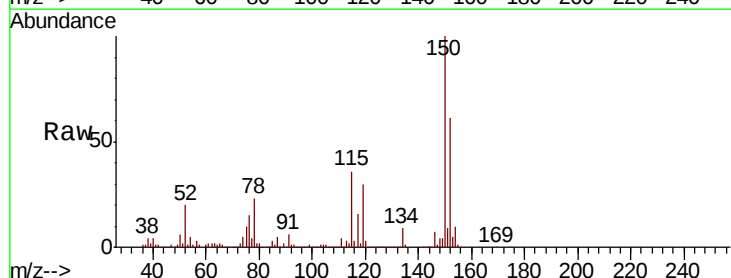
Tgt Ion:152 Resp: 238784

Ion Ratio Lower Upper

152 100

115 77.3 39.0 116.9

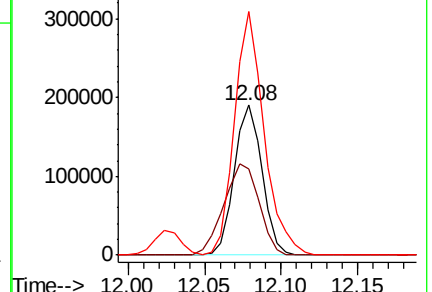
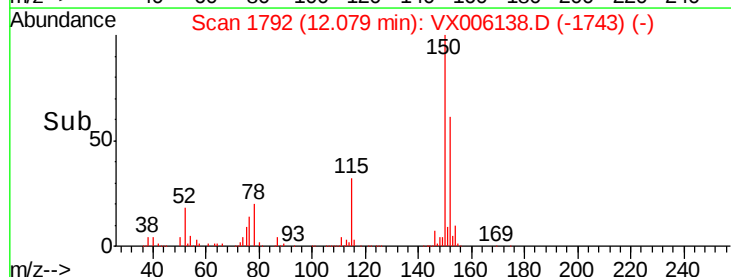
150 173.6 0.0 346.6

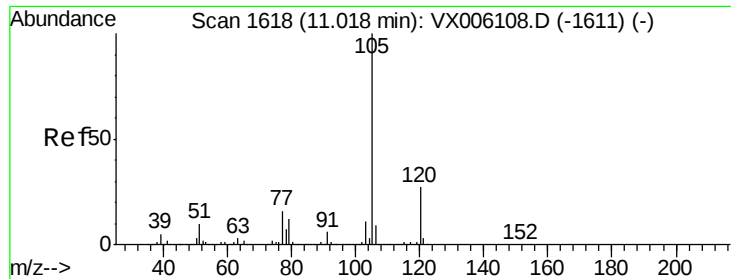


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.196 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 783006

Ion Ratio Lower Upper

105 100

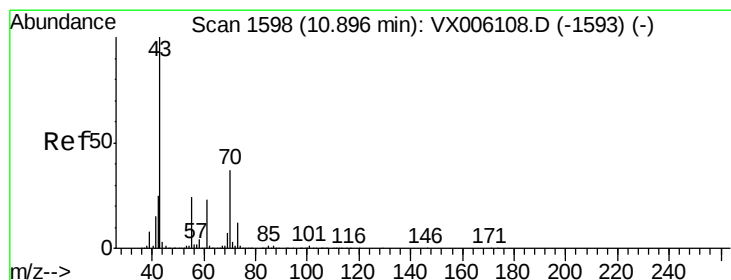
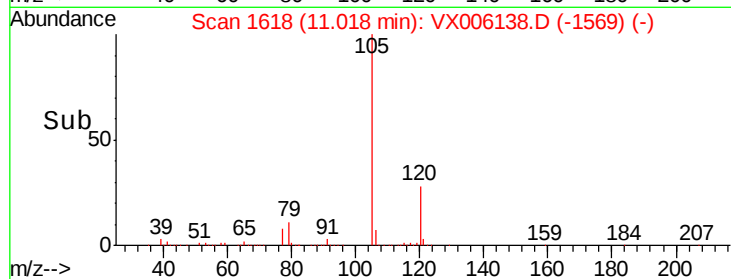
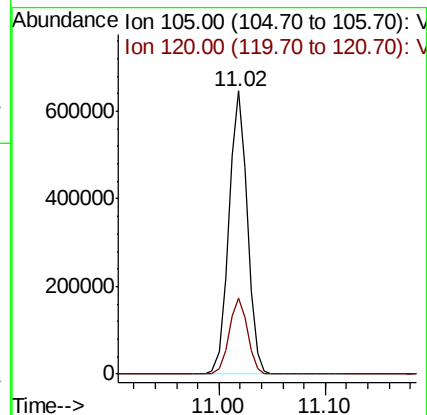
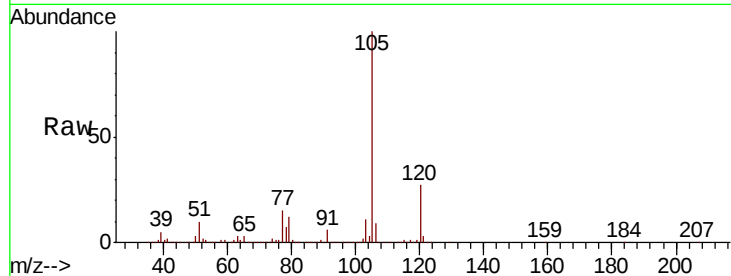
120 26.8 13.3 39.8

Manual Integrations

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11/26/2018 9:48:47 AM



#74

N-ethyl acetate

Concen: 49.524 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Tgt Ion: 43 Resp: 364560

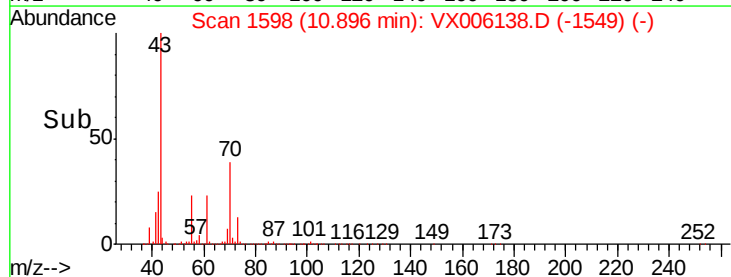
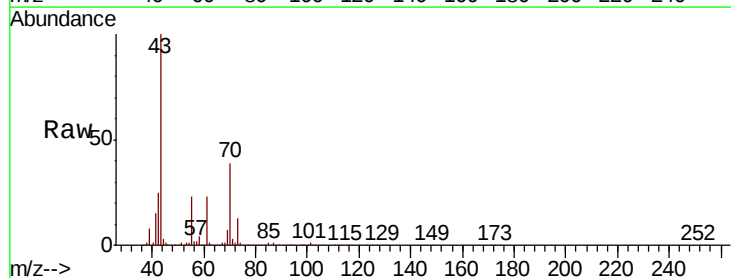
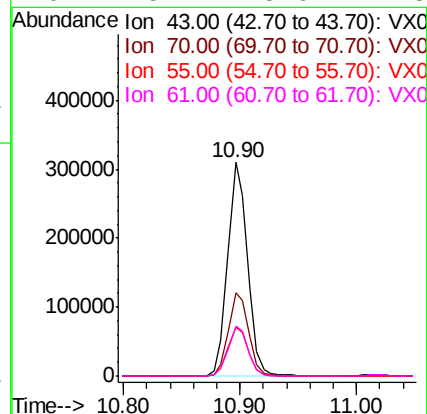
Ion Ratio Lower Upper

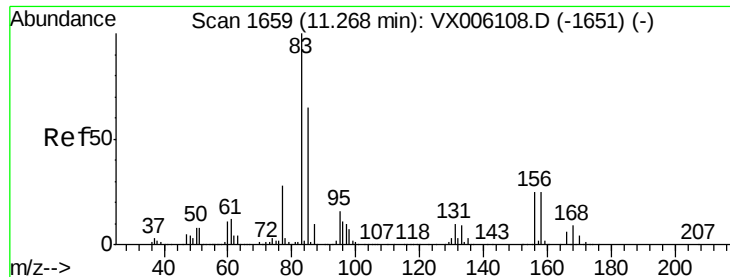
43 100

70 39.8 31.8 47.6

55 23.9 19.5 29.3

61 23.4 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.602 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 270069

Ion Ratio Lower Upper

83 100

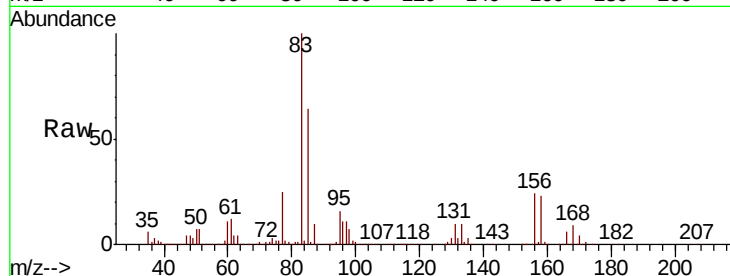
131 10.2 5.2 15.6

85 63.7 32.6 97.8

Manual Integrations
APPROVED

MMDadoda

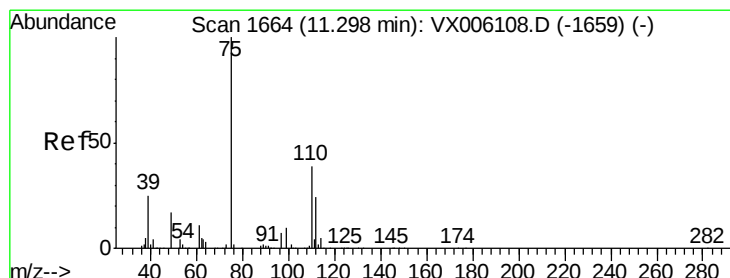
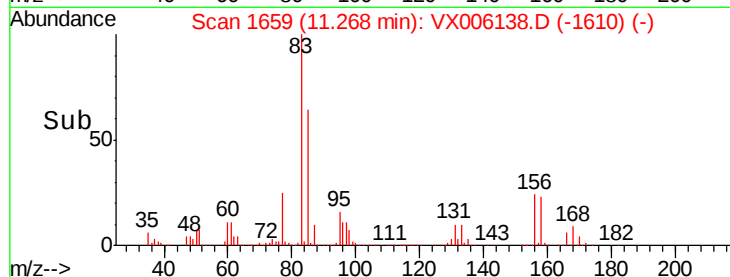
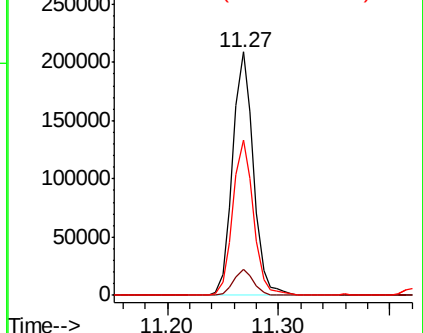
11/26/2018 9:48:47 AM



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: 53.871 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006138.D

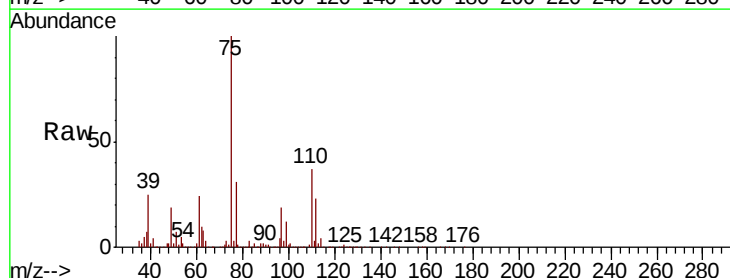
Acq: 21 Nov 2018 22:18

Tgt Ion: 75 Resp: 264835

Ion Ratio Lower Upper

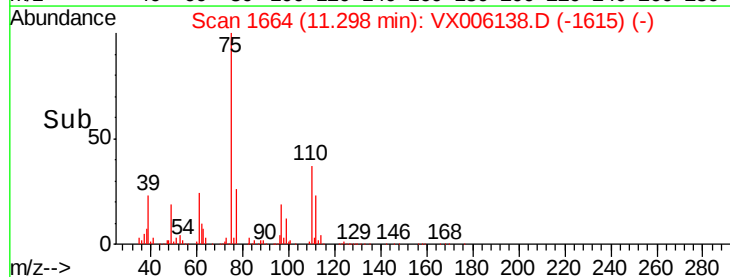
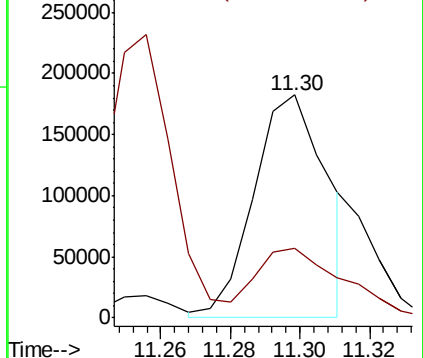
75 100

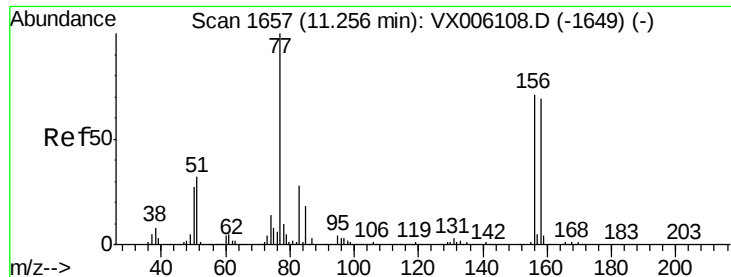
77 37.3 19.6 58.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.816 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

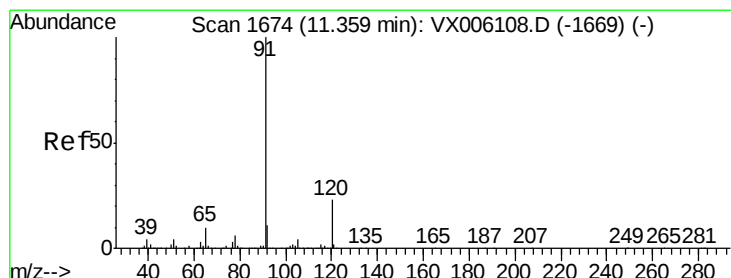
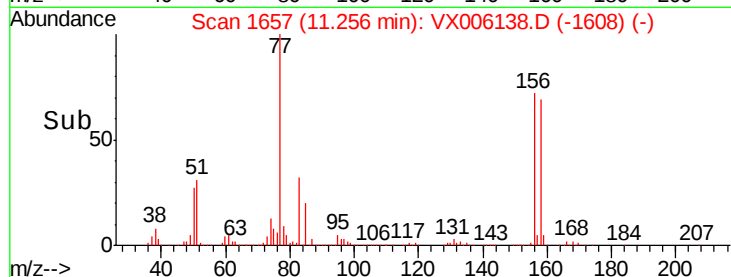
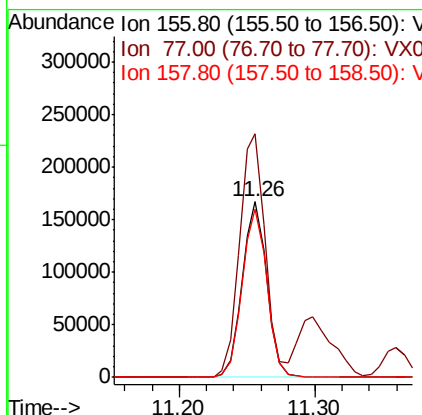
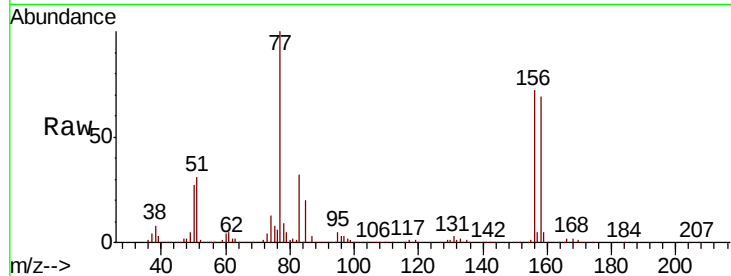
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	145.4	74.3	222.8	
158	96.8	49.0	147.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 54.356 ug/l

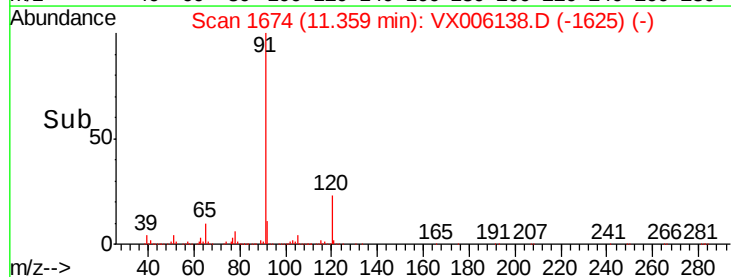
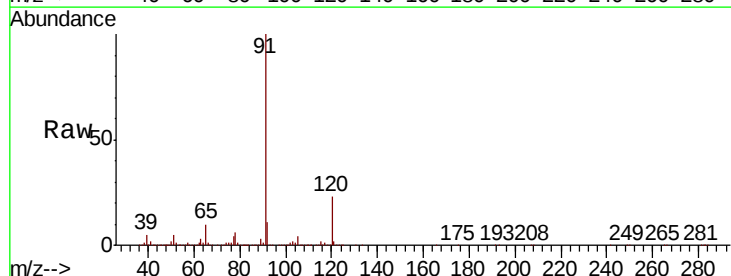
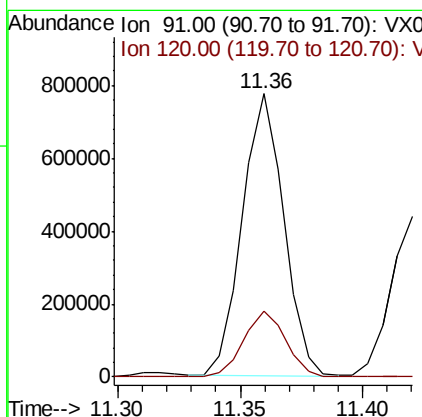
RT: 11.36 min Scan# 1674

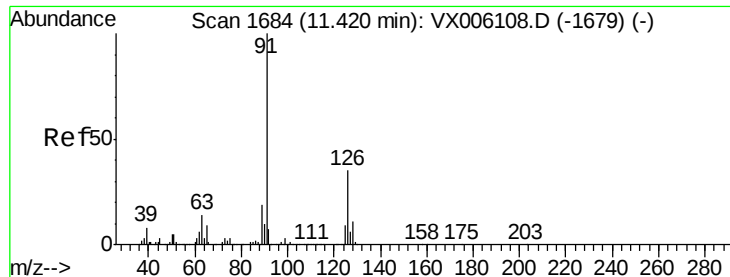
Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	11.8	35.3	





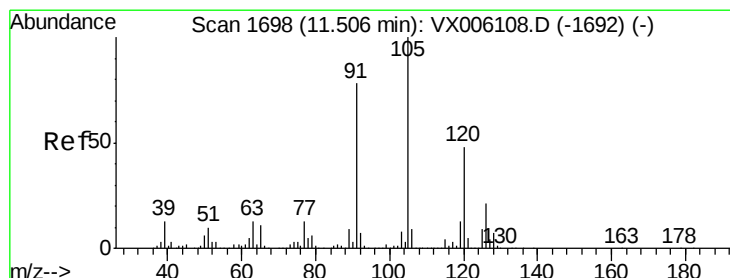
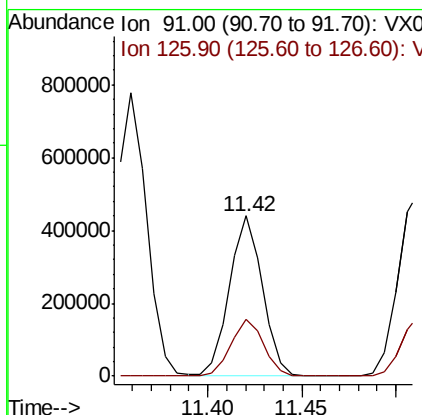
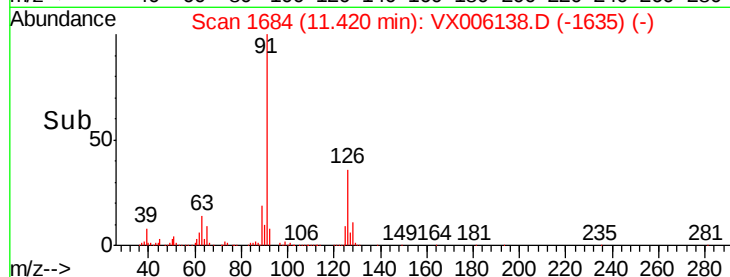
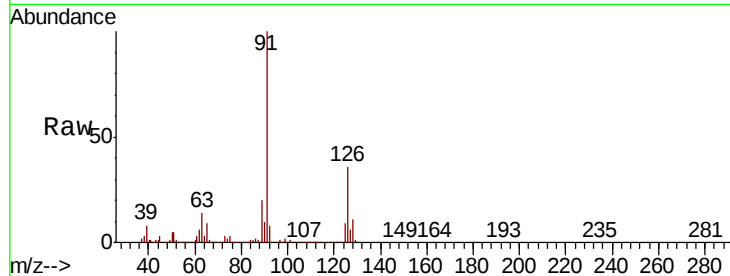
#79
 2-Chlorotoluene
 Concen: 51.989 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX006138.D
 Acq: 21 Nov 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 529205
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.6 52.9

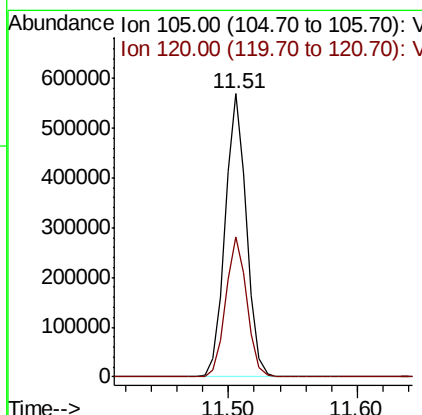
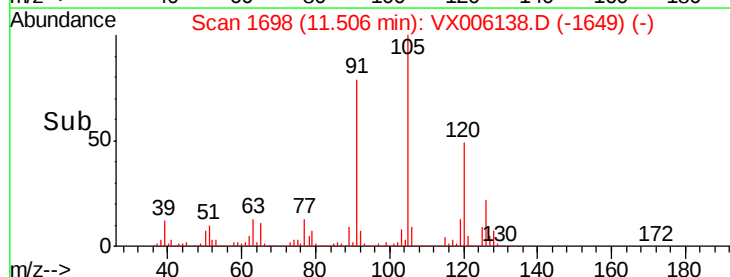
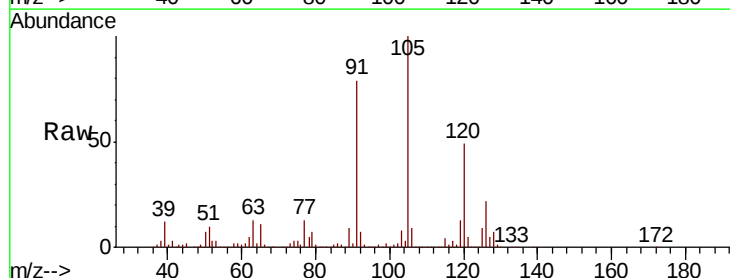
Manual Integrations
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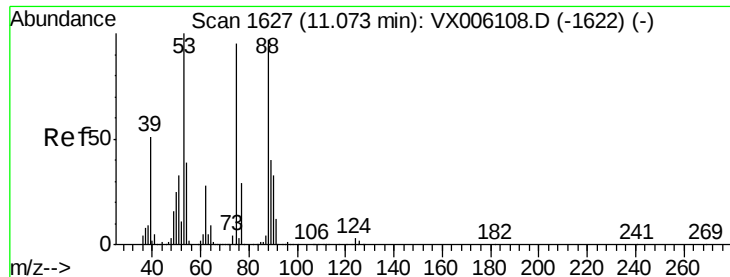
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.107 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006138.D
 Acq: 21 Nov 2018 22:18

Tgt Ion: 105 Resp: 659086
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.309 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 76031

Ion Ratio Lower Upper

75 100

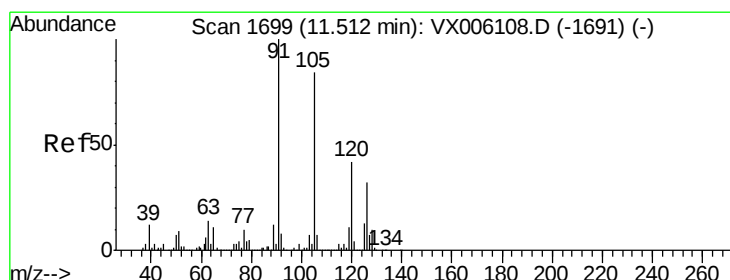
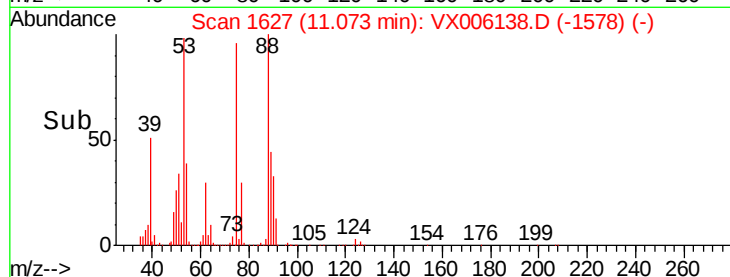
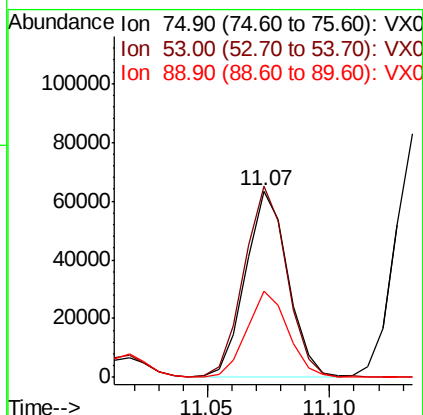
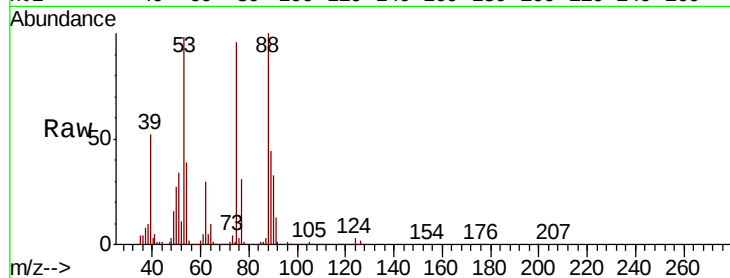
53 103.5 85.3 127.9

89 45.7 37.2 55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.125 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006138.D

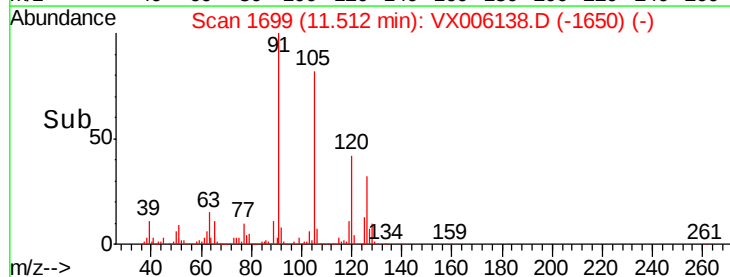
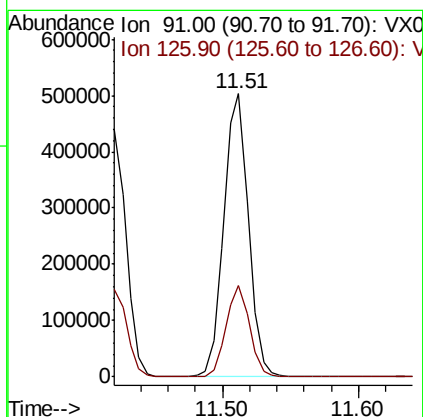
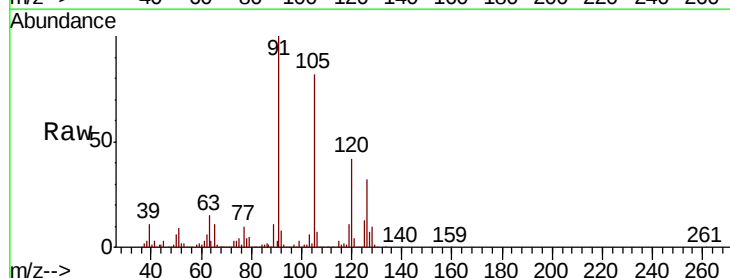
Acq: 21 Nov 2018 22:18

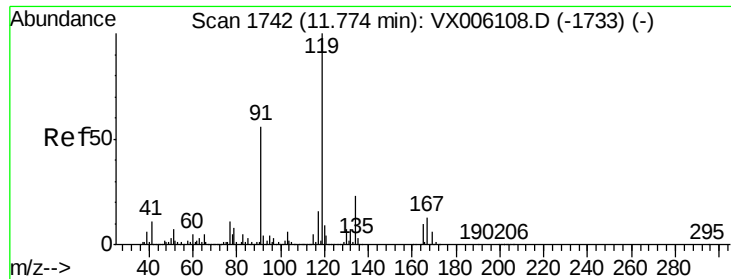
Tgt Ion: 91 Resp: 631079

Ion Ratio Lower Upper

91 100

126 31.0 15.3 45.9





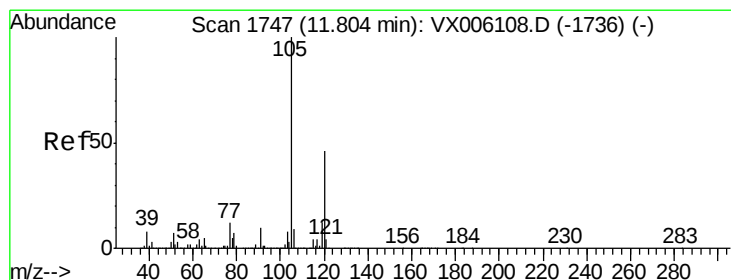
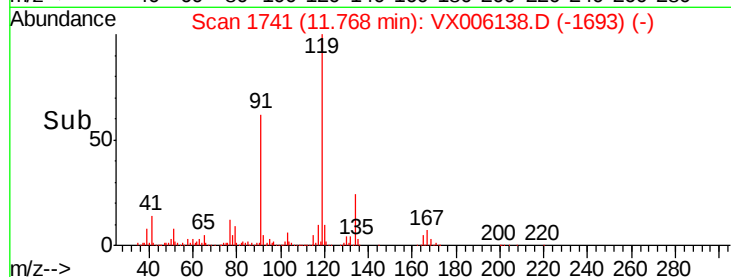
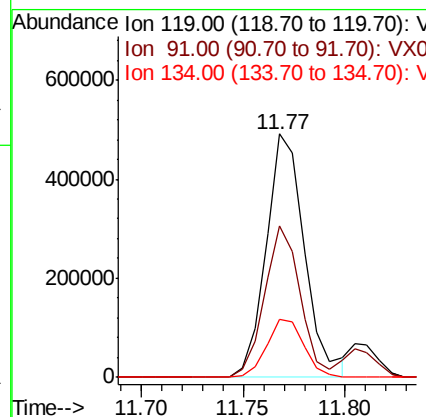
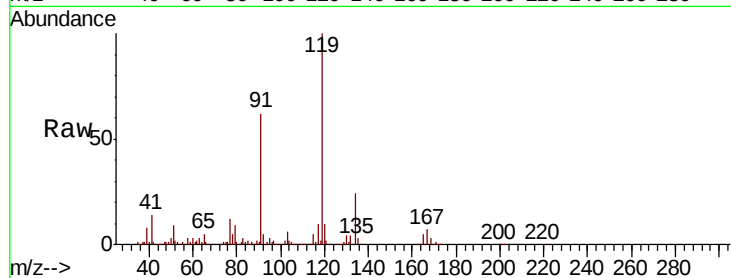
#83
tert-Butylbenzene
Concen: 54.448 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	647485		
91	57.4		28.2	84.6
134	23.3		11.5	34.4

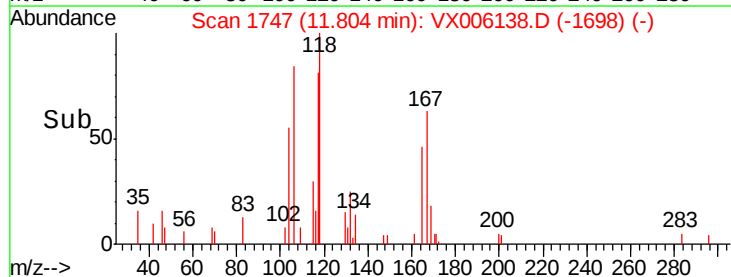
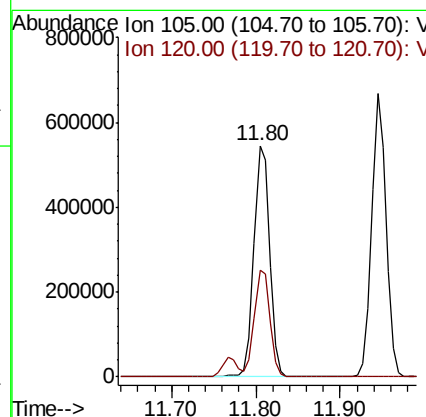
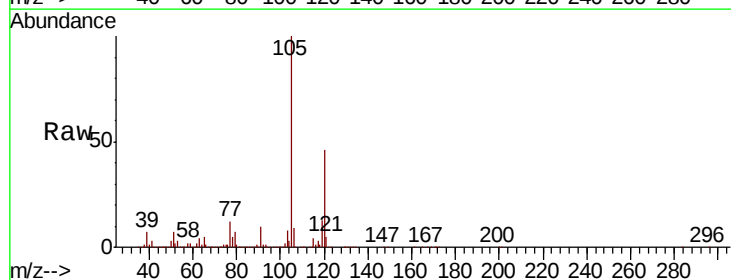
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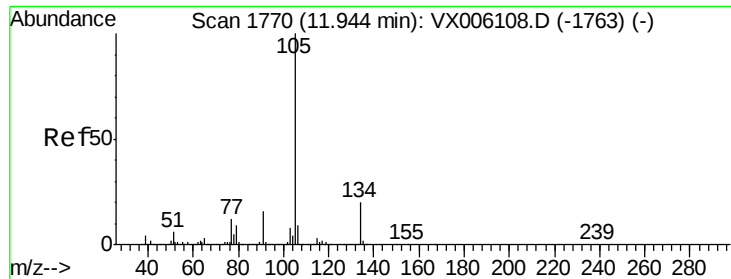
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.313 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	674866		
120	45.5		22.7	68.0





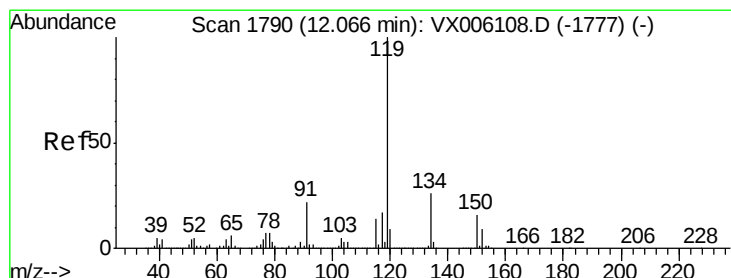
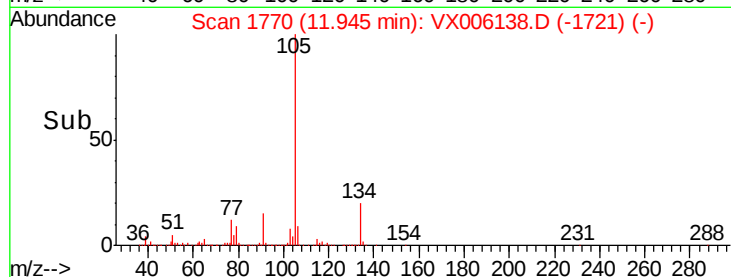
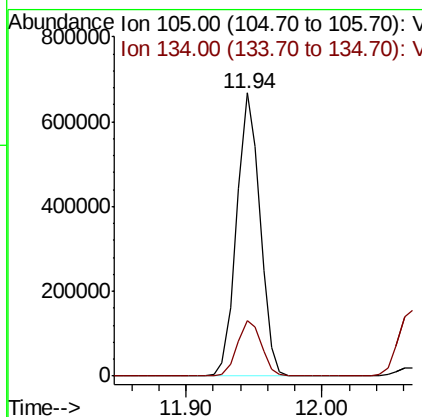
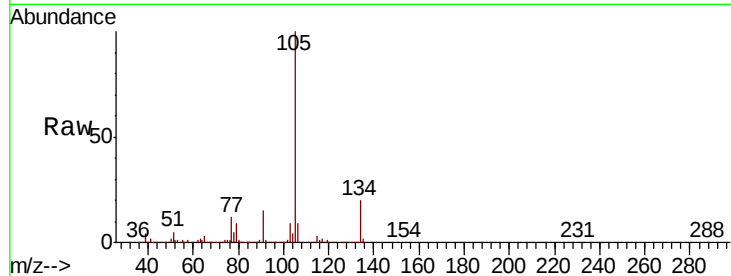
#85
 sec-Butylbenzene
 Concen: 54.701 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX006138.D
 Acq: 21 Nov 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	795657		
134	20.3		10.4	31.1

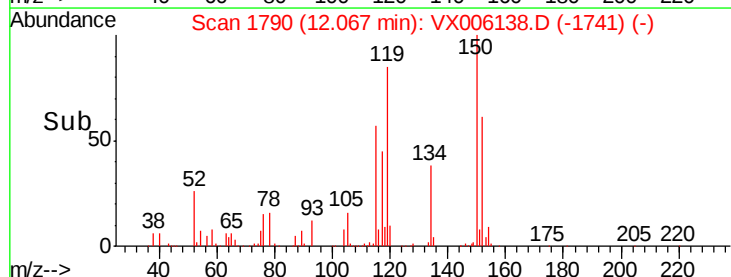
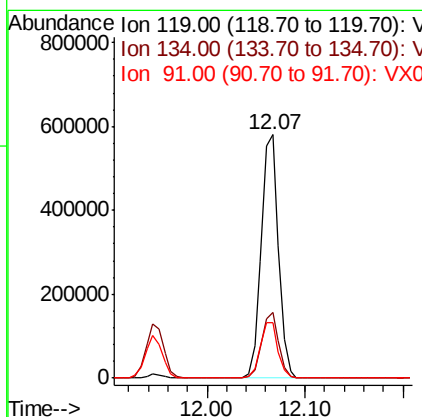
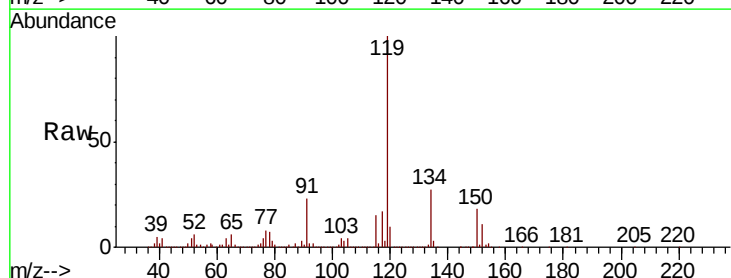
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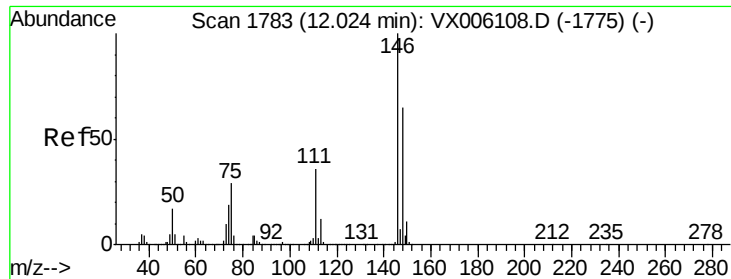
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#86
 p-Isopropyltoluene
 Concen: 54.491 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX006138.D
 Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	706680		
134	26.5		13.1	39.3
91	23.1		11.3	33.9





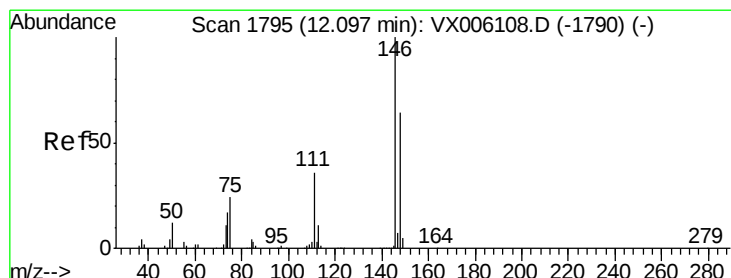
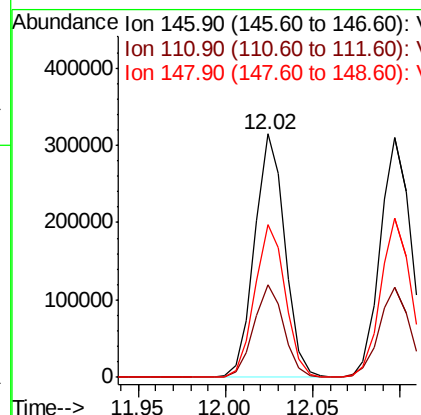
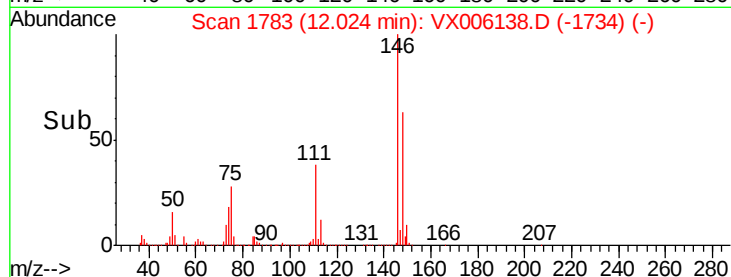
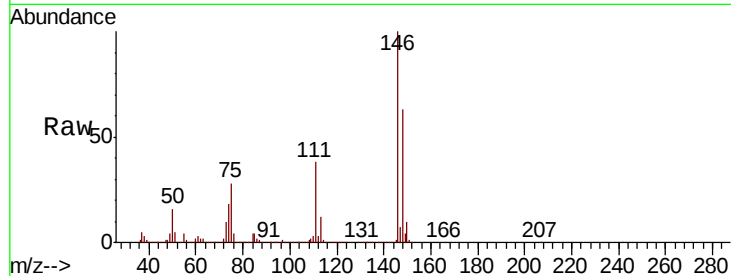
#87
 1,3-Dichlorobenzene
 Concen: 51.043 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006138.D
 Acq: 21 Nov 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	63.4	32.2	96.6

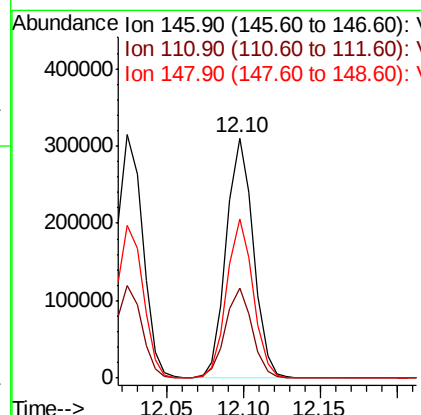
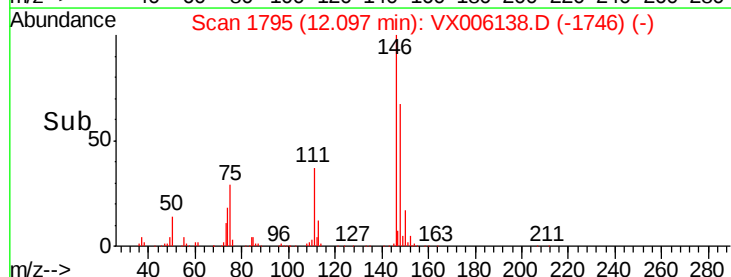
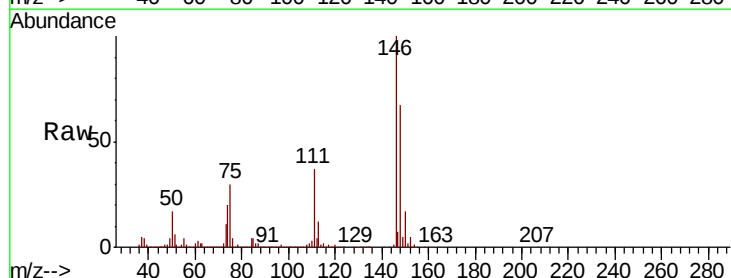
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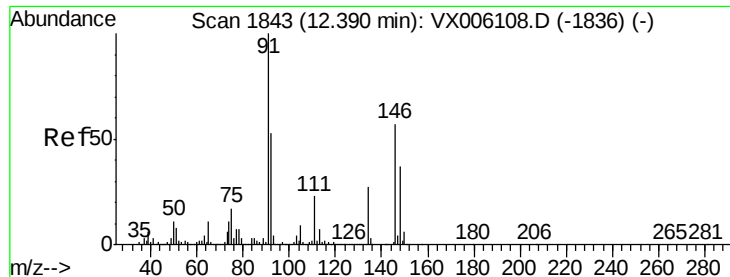
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#88
 1,4-Dichlorobenzene
 Concen: 49.159 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006138.D
 Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.9
148	64.9	32.2	96.6





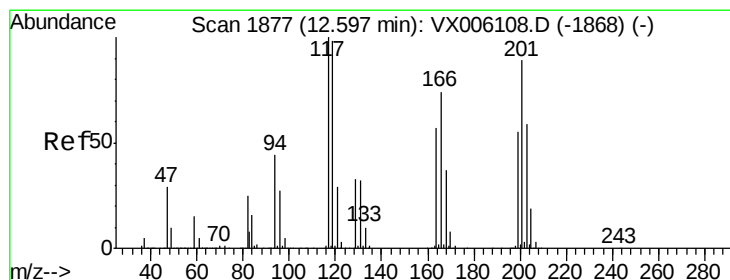
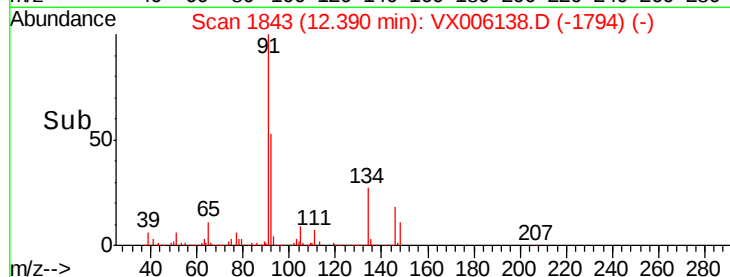
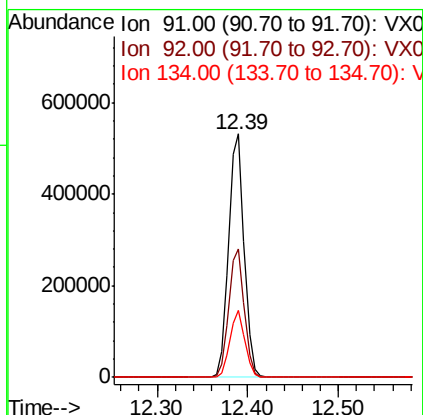
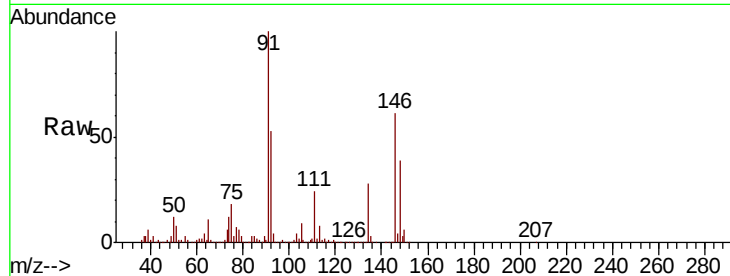
#89
n-Butylbenzene
Concen: 53.646 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.7
134	26.7	13.1	39.3

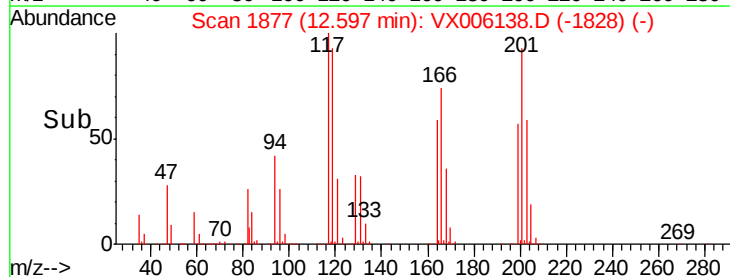
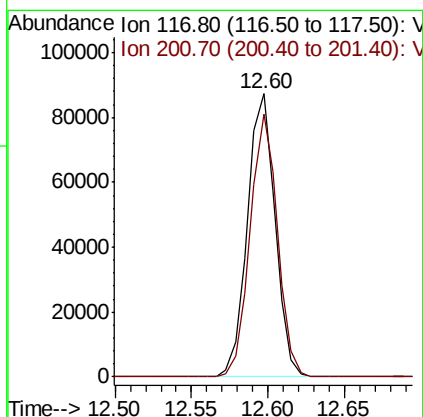
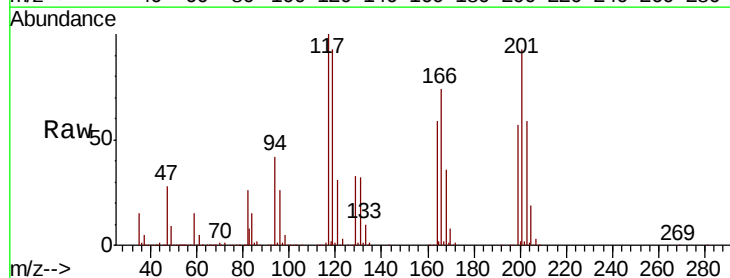
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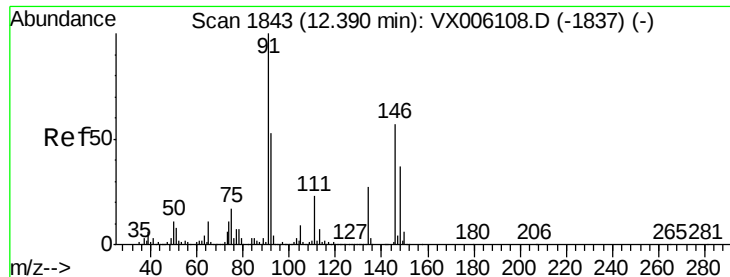
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#90
Hexachloroethane
Concen: 53.030 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 50.755 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Instrument :

MSVOA_X

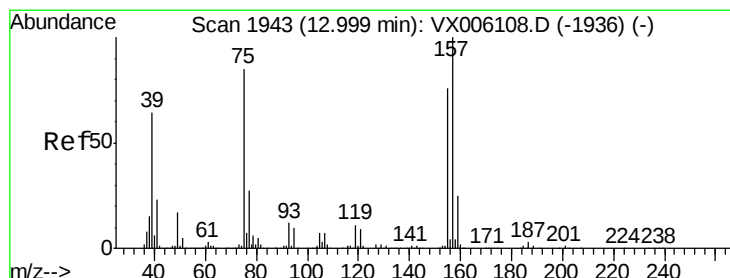
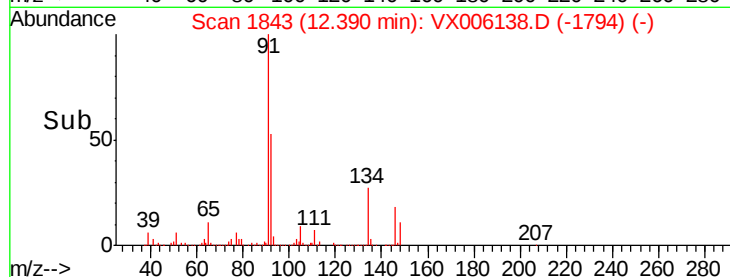
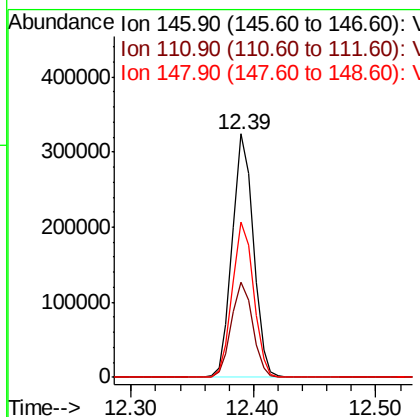
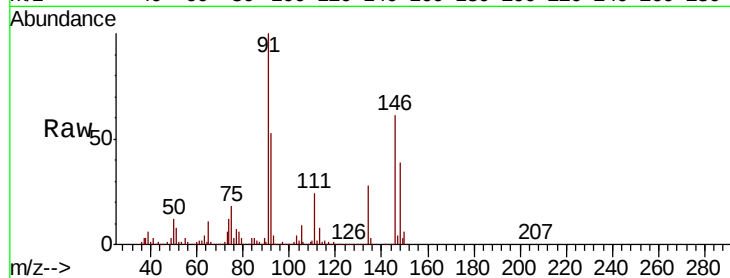
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	387229
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.6	58.8
148	64.3	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.218 ug/l

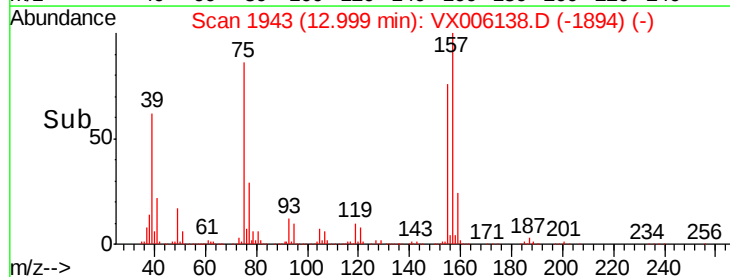
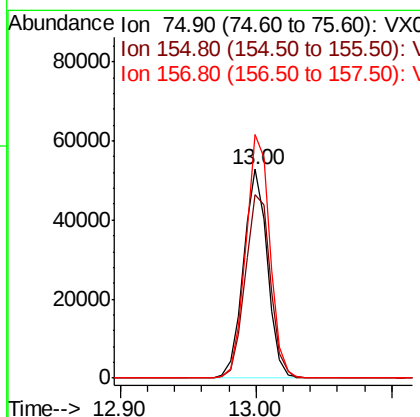
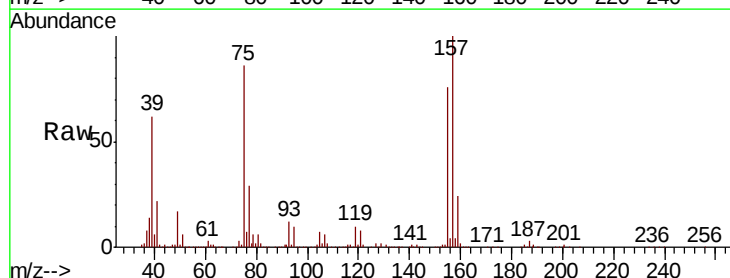
RT: 13.00 min Scan# 1943

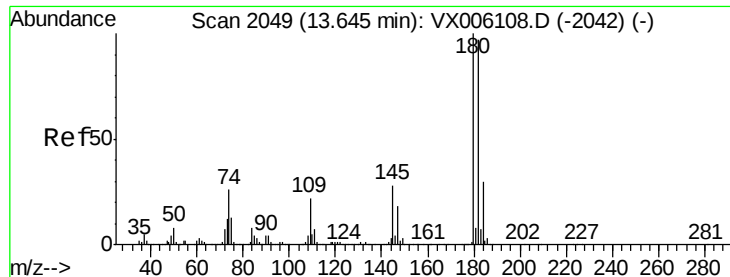
Delta R.T. 0.00 min

Lab File: VX006138.D

Acq: 21 Nov 2018 22:18

Tgt Ion:	75	Resp:	64710
Ion Ratio	Lower	Upper	
75	100		
155	93.4	46.1	138.3
157	118.0	59.8	179.3





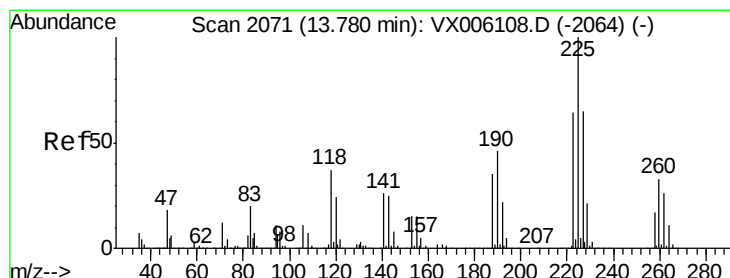
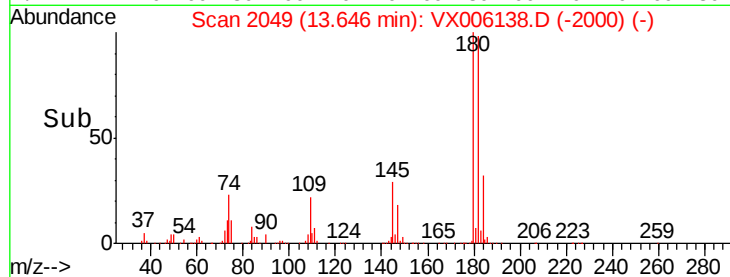
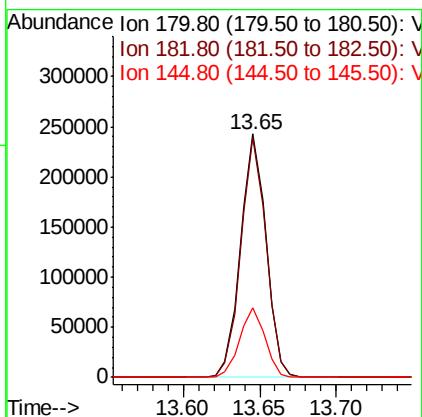
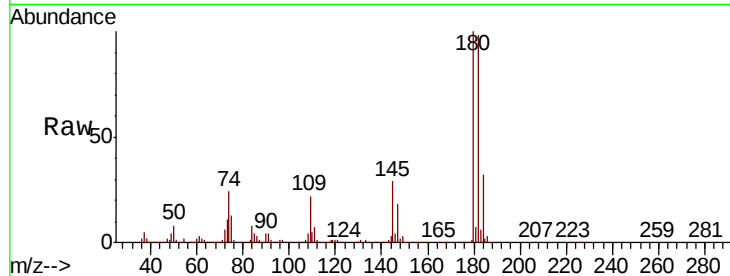
#93
1,2,4-Trichlorobenzene
Concen: 52.289 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	281032		
182	97.1	48.2	144.6	
145	28.4	14.1	42.2	

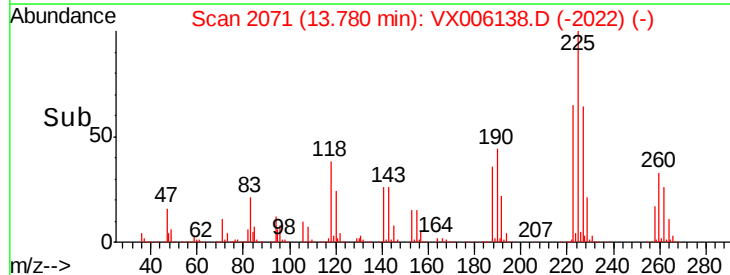
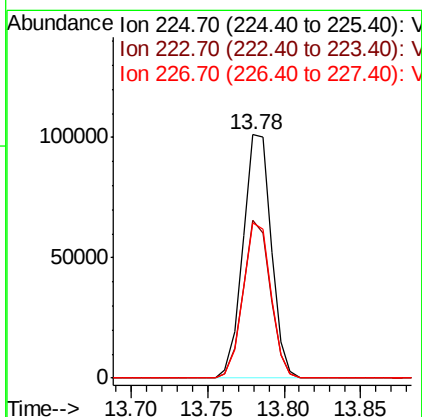
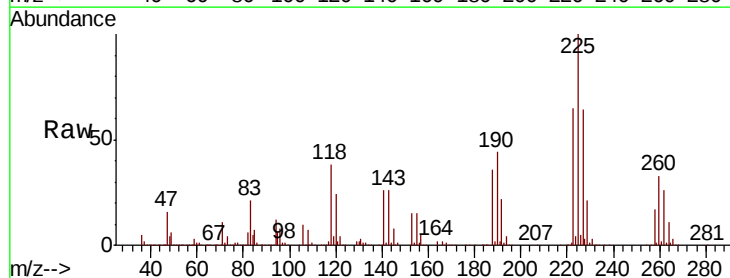
Manual Integrations
APPROVED

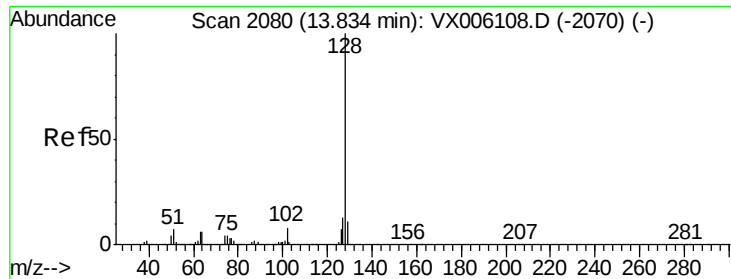
MMDadoda
11/26/2018 9:48:47 AM



#94
Hexachlorobutadiene
Concen: 49.534 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129750		
223	62.5	31.2	93.6	
227	62.8	32.4	97.2	





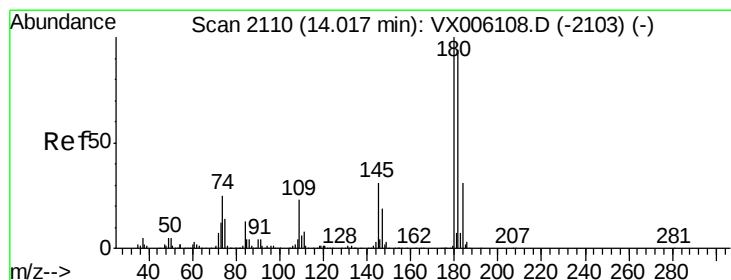
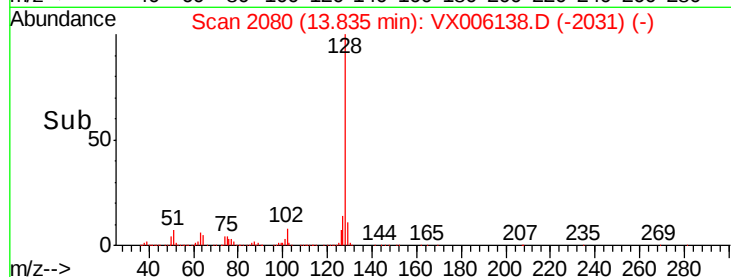
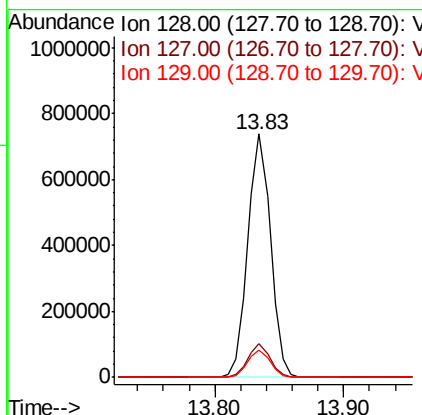
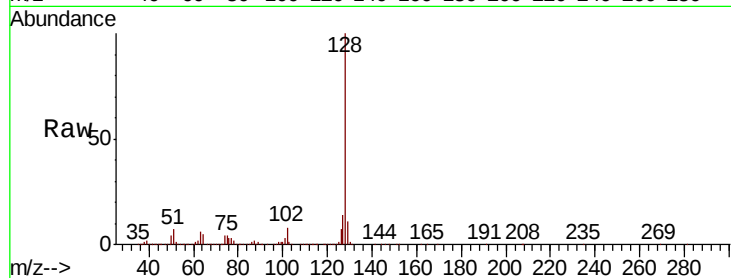
#95
Naphthalene
Concen: 56.519 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/26/2018 9:48:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.506 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX006138.D
Acq: 21 Nov 2018 22:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.5	142.5
145	30.0	15.0	45.0

