

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002596.D
 Acq On : 15 Jun 2018 12:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 6/18/2018 5:11:59 PM

Quant Time: Jun 15 13:25:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 13:16:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	241209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	349148	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	172890	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	5.51	113	134887	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	8.72	98	526714	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.14	95	199069	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121182	48.33	ug/l	100
3) Chloromethane	1.32	50	142041	43.05	ug/l	99
4) Vinyl Chloride	1.40	62	153835	48.68	ug/l	100
5) Bromomethane	1.64	94	83962	33.43	ug/l	99
6) Chloroethane	1.72	64	99882	48.86	ug/l	98
7) Trichlorofluoromethane	1.93	101	259823	53.96	ug/l	98
8) Diethyl Ether	2.19	74	92600	47.21	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	143295	55.15	ug/l	98
10) Methyl Iodide	2.51	142	180557	49.40	ug/l	98
11) Tert butyl alcohol	3.08	59	177119	229.15	ug/l	99
12) 1,1-Dichloroethene	2.37	96	131983	51.40	ug/l	98
13) Acrolein	2.29	56	83677	224.75	ug/l	100
14) Allyl chloride	2.73	41	261228	46.88	ug/l	98
15) Acrylonitrile	3.15	53	394062	239.52	ug/l	99
16) Acetone	2.45	43	372327	215.86	ug/l	100
17) Carbon Disulfide	2.57	76	321655	47.53	ug/l	98
18) Methyl Acetate	2.78	43	207012	50.87	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	485596	47.74	ug/l	99
20) Methylene Chloride	2.86	84	148050	43.20	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	140705	49.69	ug/l	97
22) Diisopropyl ether	3.88	45	457964	44.04	ug/l	99
23) Vinyl Acetate	3.83	43	1947033	215.53	ug/l	99
24) 1,1-Dichloroethane	3.70	63	235132	42.69	ug/l	99
25) 2-Butanone	4.71	43	508861	215.16	ug/l	98
26) 2,2-Dichloropropane	4.59	77	187996	43.67	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	140841	45.73	ug/l	97
28) Bromochloromethane	5.03	49	122930	46.09	ug/l	98
29) Tetrahydrofuran	5.17	42	334809	219.57	ug/l	98
30) Chloroform	5.22	83	247892	46.64	ug/l	97
31) Cyclohexane	5.58	56	217097	49.85	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	215575	47.83	ug/l	99
36) 1,1-Dichloropropene	5.80	75	184274	50.20	ug/l	100
37) Ethyl Acetate	4.87	43	203282	46.05	ug/l	100
38) Carbon Tetrachloride	5.79	117	192215	50.06	ug/l	97

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Quant Time: Jun 15 13:25:16 2018
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 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 13:16:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	225310	53.86	ug/l	97
40) Benzene	6.15	78	543158	48.26	ug/l	99
41) Methacrylonitrile	5.07	41	114691	45.39	ug/l	99
42) 1,2-Dichloroethane	6.20	62	210739	47.13	ug/l	100
43) Isopropyl Acetate	6.47	43	343730	45.85	ug/l	100
44) Trichloroethene	7.22	130	158438	50.72	ug/l	98
45) 1,2-Dichloropropane	7.52	63	143120	47.10	ug/l	98
46) Dibromomethane	7.67	93	96565	46.88	ug/l	99
47) Bromodichloromethane	7.90	83	177943	47.77	ug/l	98
48) Methyl methacrylate	7.78	41	174147	46.24	ug/l	97
49) 1,4-Dioxane	7.76	88	65172	925.51	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1112231	238.21	ug/l	100
52) Toluene	8.79	92	354746	49.56	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	216931	48.56	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	201826	47.89	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	142568	48.43	ug/l	98
56) Ethyl methacrylate	9.18	69	224391	47.74	ug/l	99
57) 1,3-Dichloropropane	9.38	76	236742	47.93	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	530131	243.69	ug/l	99
59) 2-Hexanone	9.50	43	846551	234.73	ug/l	98
60) Dibromochloromethane	9.59	129	146339	49.42	ug/l	99
61) 1,2-Dibromoethane	9.68	107	151312	49.29	ug/l	100
64) Tetrachloroethene	9.34	164	185933	53.31	ug/l	98
65) Chlorobenzene	10.14	112	406665	48.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	145729	47.82	ug/l	99
67) Ethyl Benzene	10.26	91	705895	50.12	ug/l	100
68) m/p-Xylenes	10.36	106	543637	99.30	ug/l	100
69) o-Xylene	10.70	106	263701	48.40	ug/l	100
70) Styrene	10.71	104	447921	50.29	ug/l	99
71) Bromoform	10.86	173	111830	46.29	ug/l #	99
73) Isopropylbenzene	11.02	105	727952	47.72	ug/l	100
74) N-amyl acetate	6.47	43	343730	41.82	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	205912	42.92	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	187712m	39.01	ug/l	
77) Bromobenzene	11.26	156	196728	45.93	ug/l	98
78) n-propylbenzene	11.37	91	836115	49.31	ug/l	100
79) 2-Chlorotoluene	11.43	91	484650	45.27	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	616954	47.15	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	56877	41.43	ug/l	96
82) 4-Chlorotoluene	11.51	91	582285	47.12	ug/l	99
83) tert-Butylbenzene	11.77	119	596328	46.80	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	630852	46.84	ug/l	99
85) sec-Butylbenzene	11.95	105	748640	50.12	ug/l	99
86) p-Isopropyltoluene	12.07	119	676917	49.75	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	362431	47.33	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	368692	46.71	ug/l	99
89) n-Butylbenzene	12.39	91	601288	52.69	ug/l	100
90) Hexachloroethane	12.60	117	96489	44.42	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	364123	45.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	46678	44.49	ug/l	98

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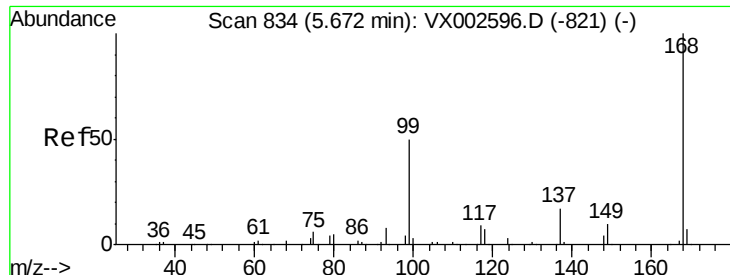
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	276195	49.71	ug/l	100
94) Hexachlorobutadiene	13.79	225	147600	53.76	ug/l	100
95) Naphthalene	13.84	128	756631	47.40	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	273603	48.29	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 241209

Ion Ratio Lower Upper

168 100

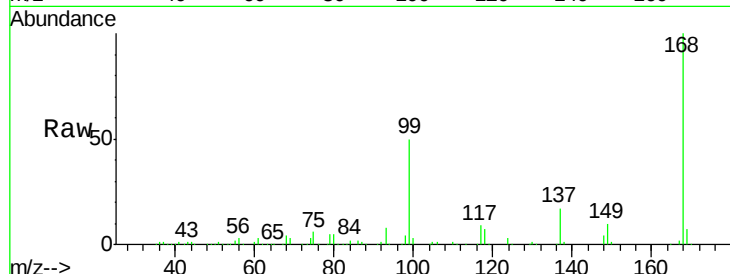
99 49.8 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

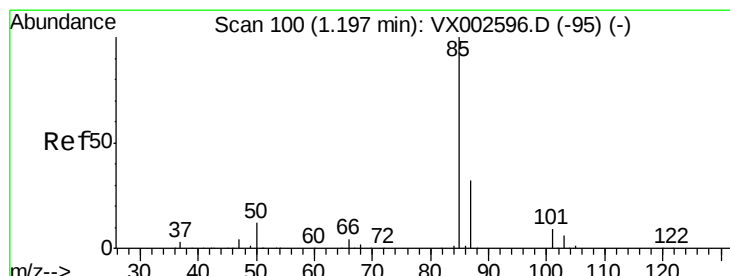
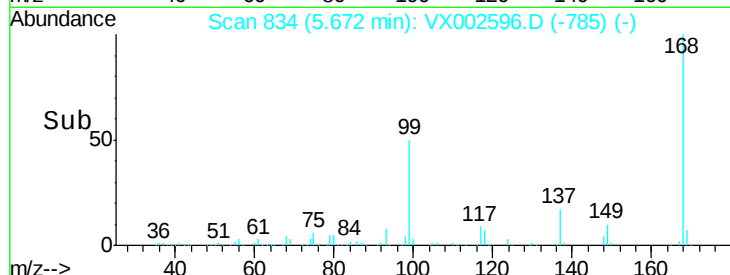
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.33 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002596.D

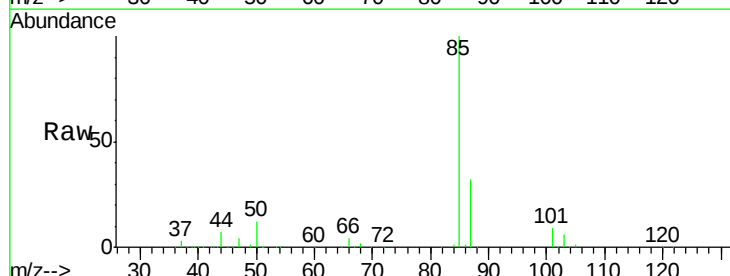
Acq: 15 Jun 2018 12:55

Tgt Ion: 85 Resp: 121182

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

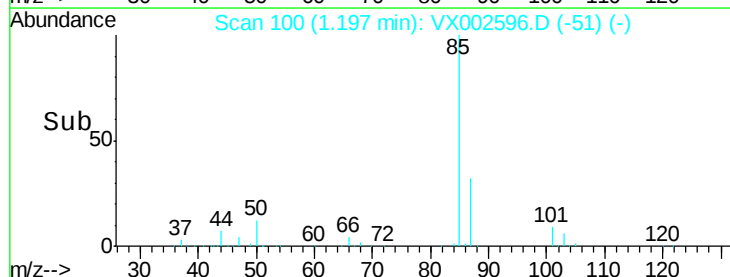
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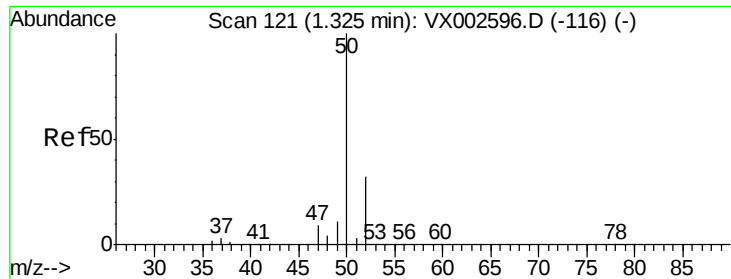
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.05 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 142041

Ion Ratio Lower Upper

50 100

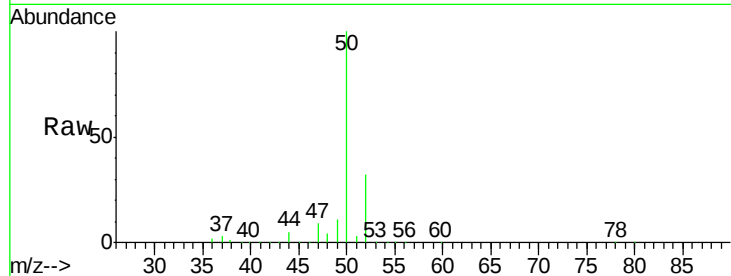
52 32.4 25.7 38.5

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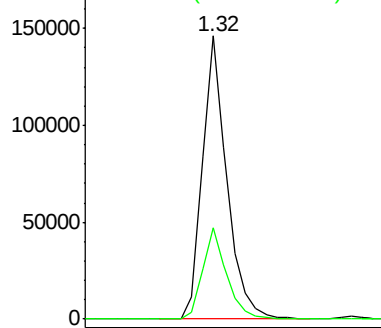
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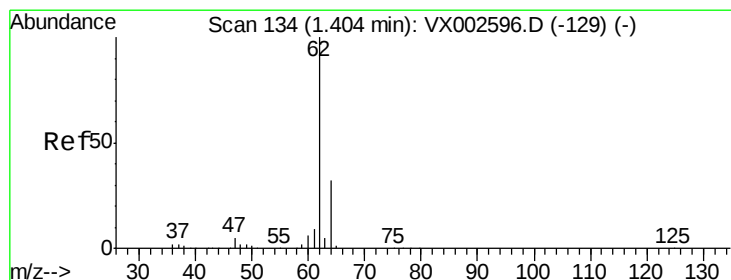
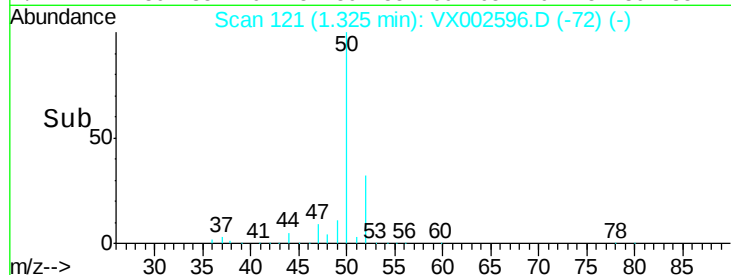


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 48.68 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002596.D

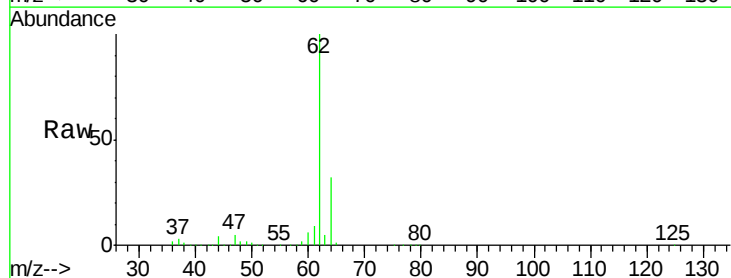
Acq: 15 Jun 2018 12:55

Tgt Ion: 62 Resp: 153835

Ion Ratio Lower Upper

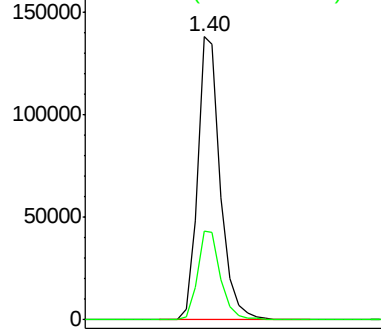
62 100

64 31.5 25.4 38.2

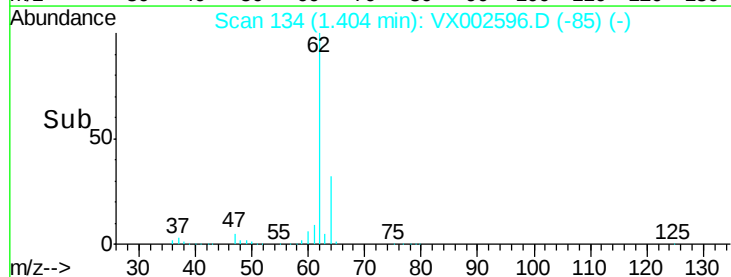


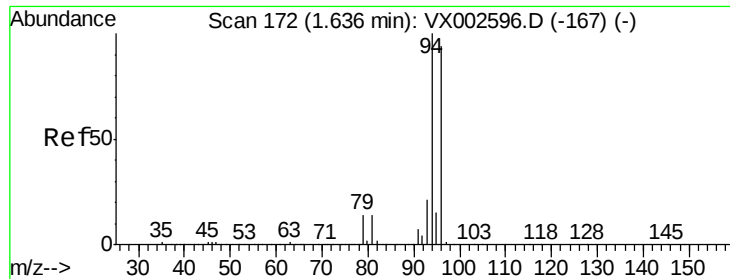
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 33.43 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 83962

Ion Ratio Lower Upper

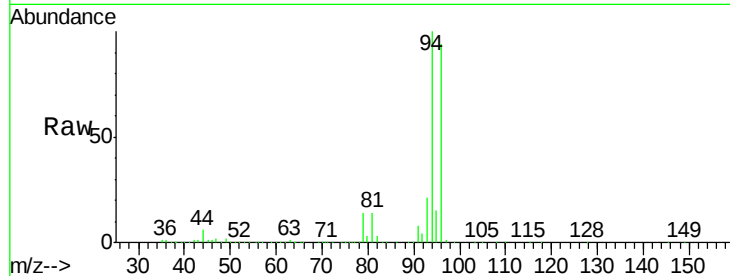
94 100

96 94.4 74.9 112.3

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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

100000

80000

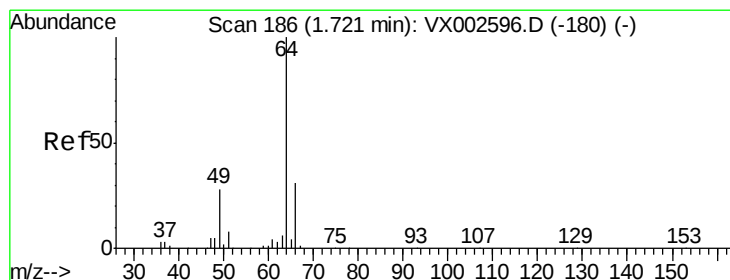
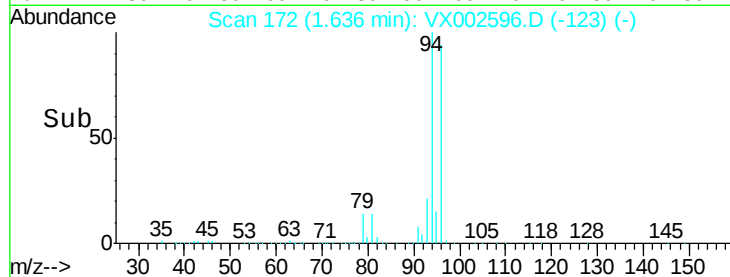
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 48.86 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002596.D

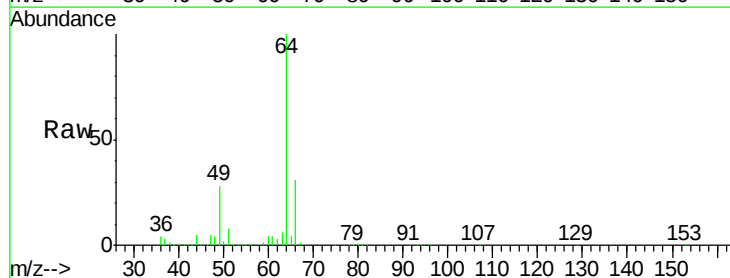
Acq: 15 Jun 2018 12:55

Tgt Ion: 64 Resp: 99882

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

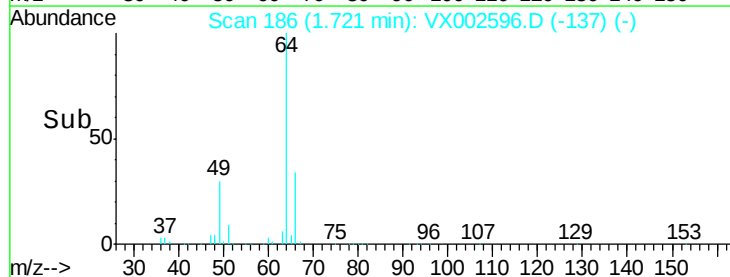
60000

40000

20000

0

Time--> 1.70 1.80 1.90





#7

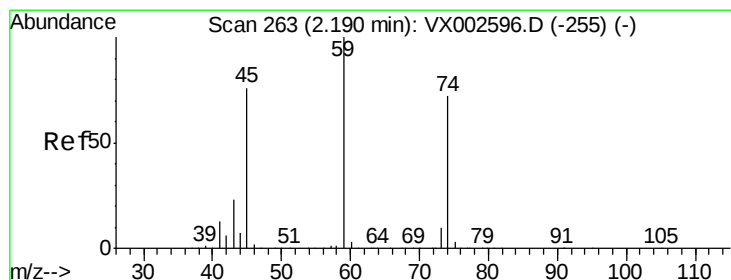
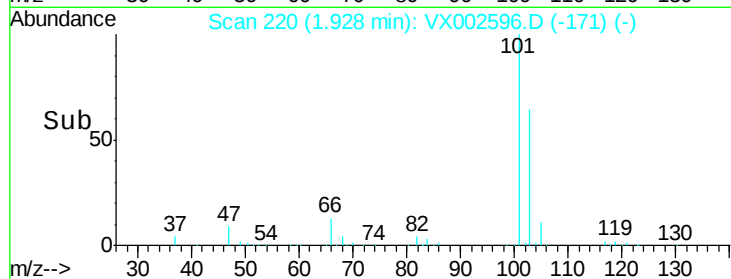
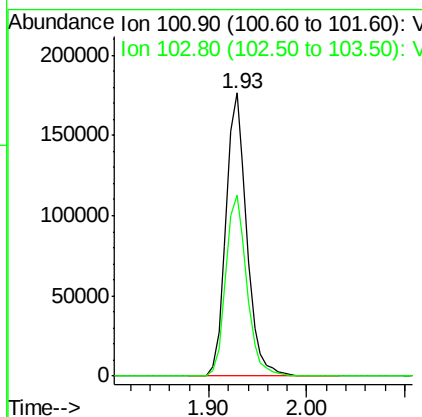
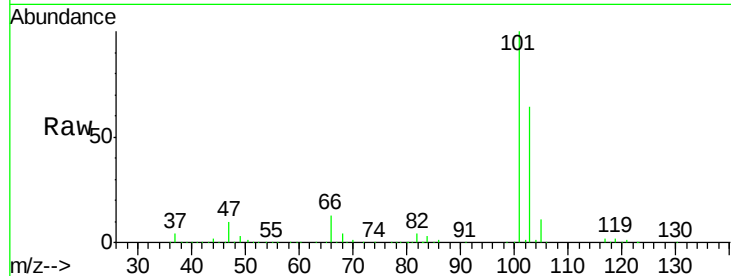
Trichlorofluoromethane
Concen: 53.96 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.8	79.2

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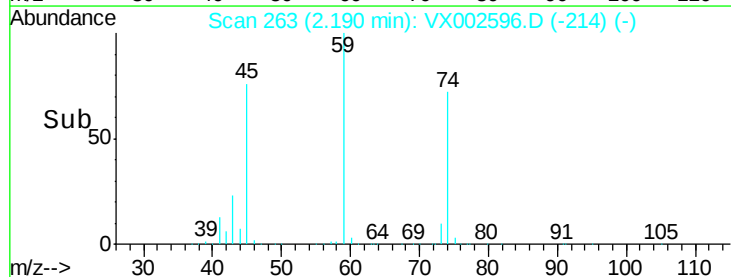
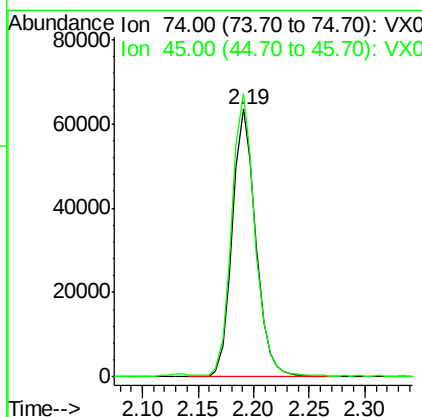
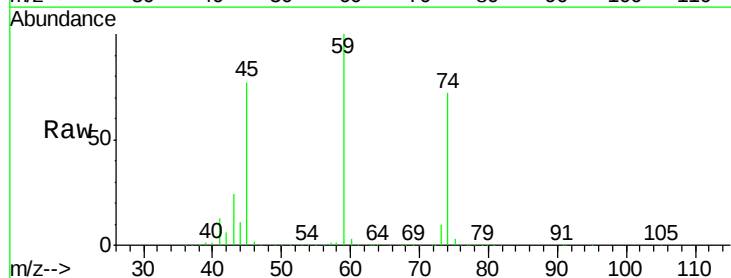
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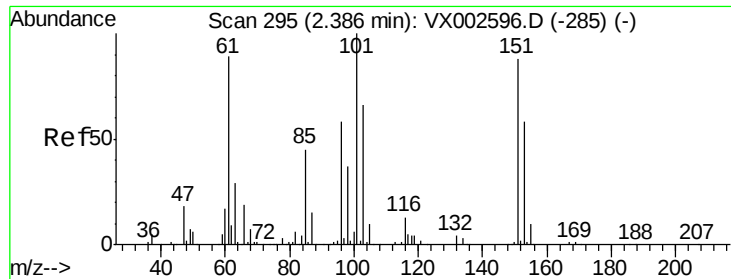


#8

Diethyl Ether
Concen: 47.21 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.15 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

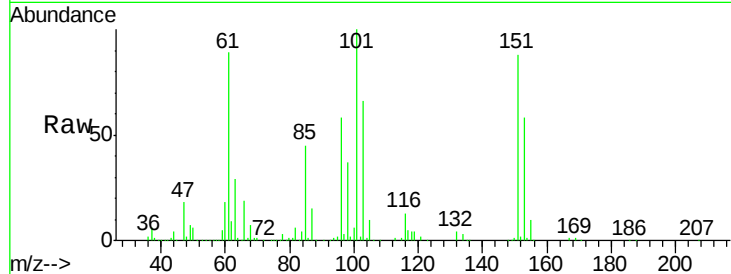
ClientSampleId :

VSTDICCC050

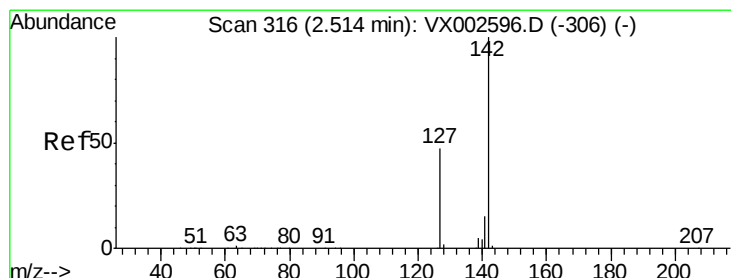
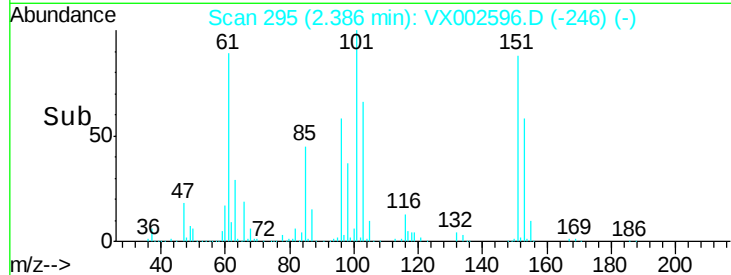
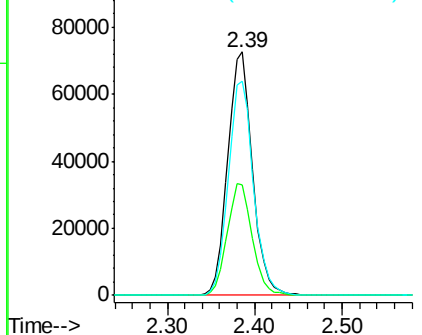
Tot Ion:	101	Resp:	143295
Ion Ratio	Lower	Upper	
101	100		
85	46.3	36.0	54.0
151	89.8	70.9	106.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.40 ug/l

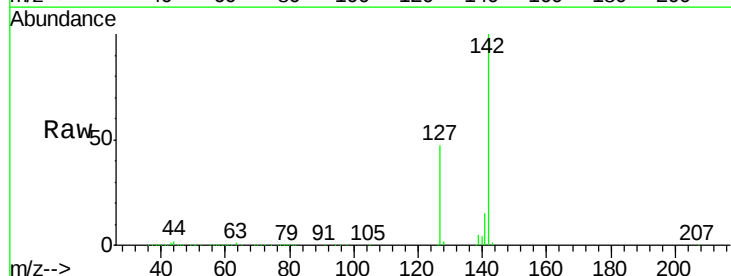
RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

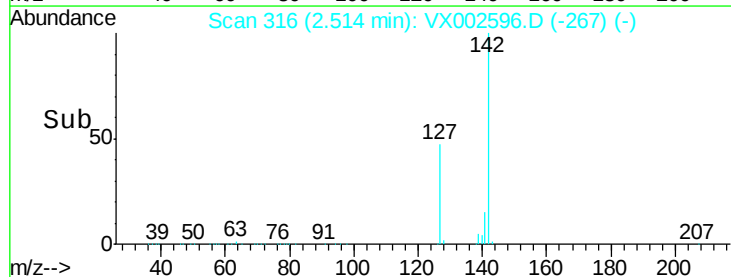
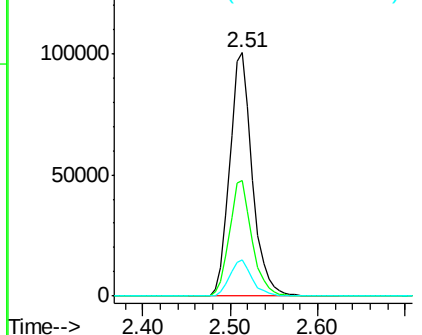
Lab File: VX002596.D

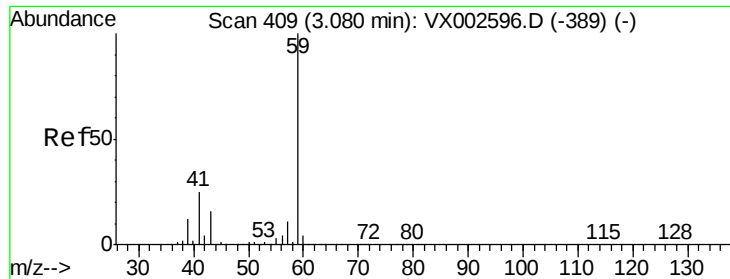
Acq: 15 Jun 2018 12:55

Tgt Ion:	142	Resp:	180557
Ion Ratio	Lower	Upper	
142	100		
127	47.5	36.6	55.0
141	14.6	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





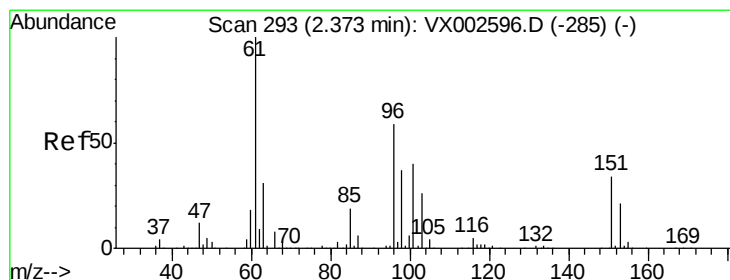
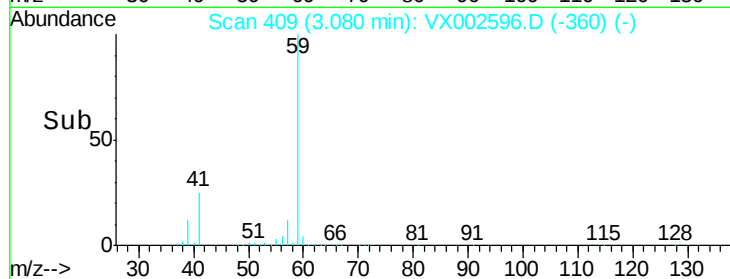
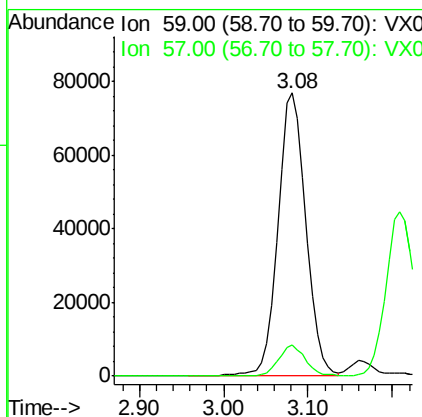
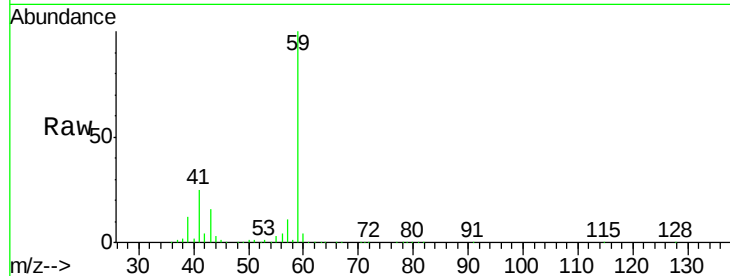
#11
Tert butyl alcohol
Concen: 229.15 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	177119
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.2

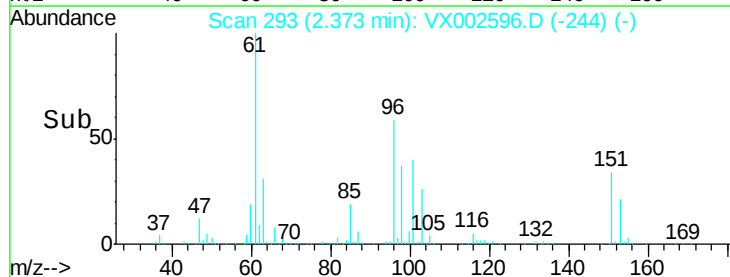
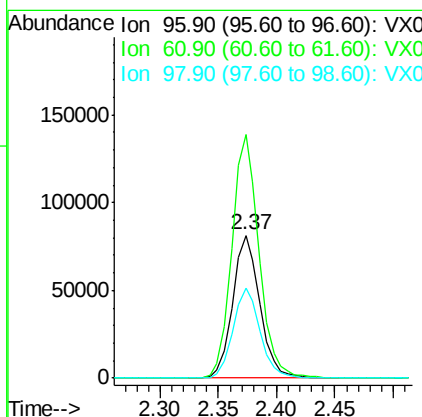
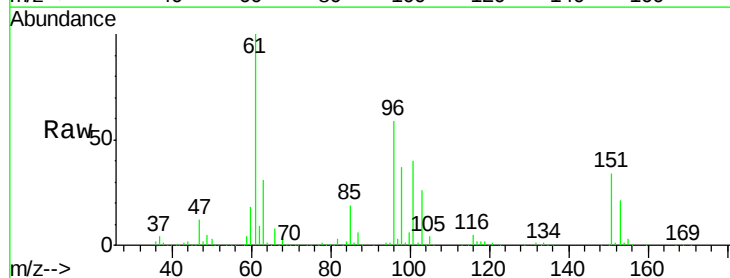
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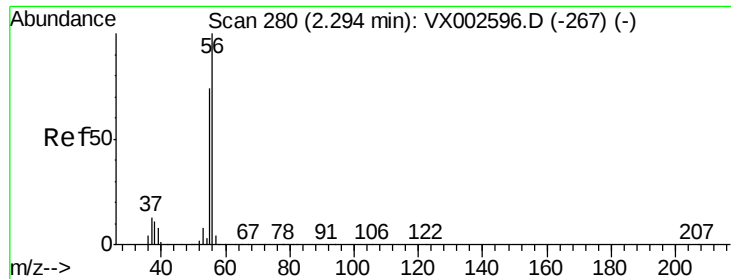
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#12
1,1-Dichloroethene
Concen: 51.40 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	96	Resp	131983
Ion Ratio	100	Lower	Upper
61	170.1	137.9	206.9
98	63.0	51.6	77.4





#13

Acrolein

Concen: 224.75 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 83677

Ion Ratio Lower Upper

56 100

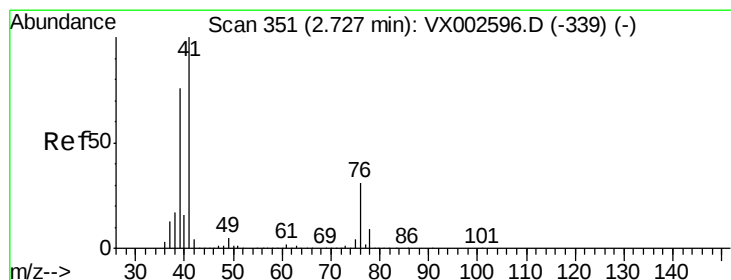
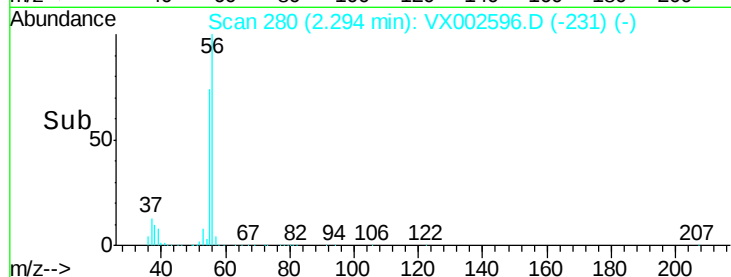
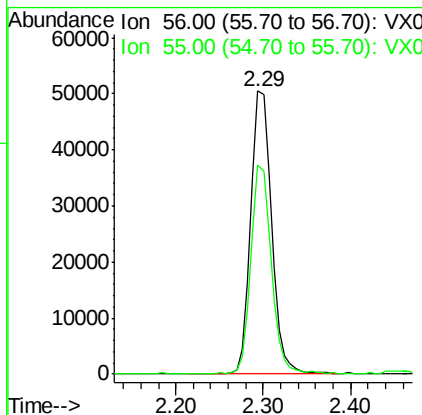
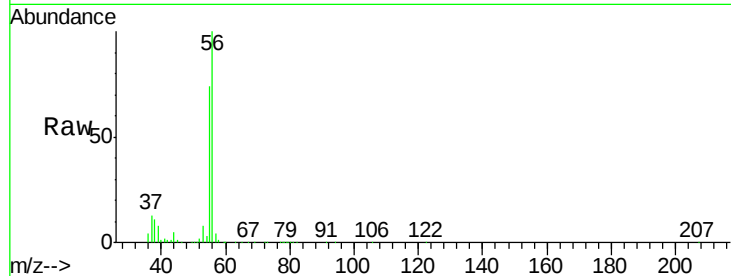
55 71.5 57.0 85.4

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#14

Allyl chloride

Concen: 46.88 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

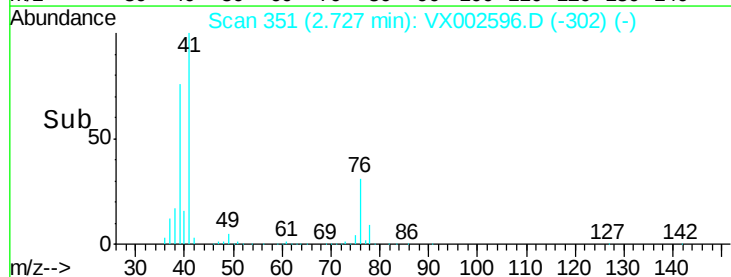
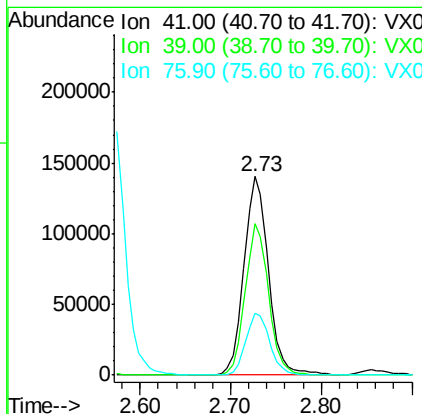
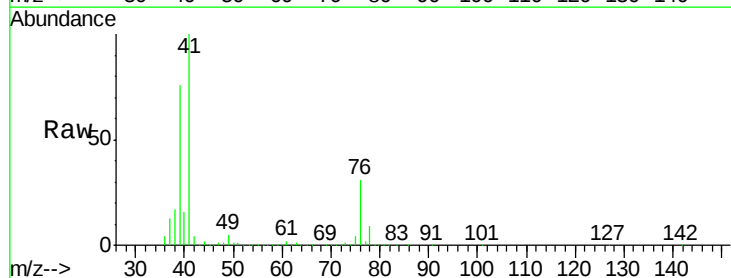
Tgt Ion: 41 Resp: 261228

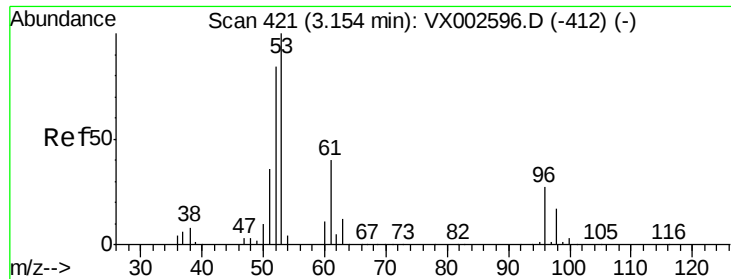
Ion Ratio Lower Upper

41 100

39 72.9 56.8 85.2

76 30.5 23.8 35.8





#15

Acrylonitrile

Concen: 239.52 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

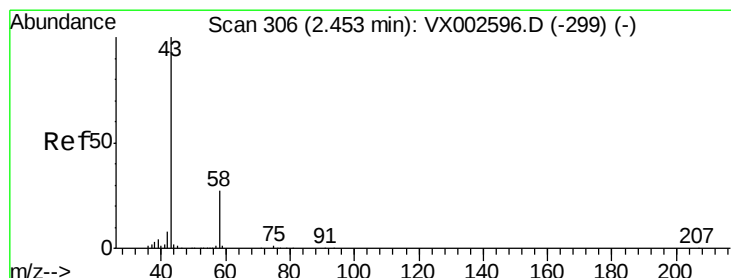
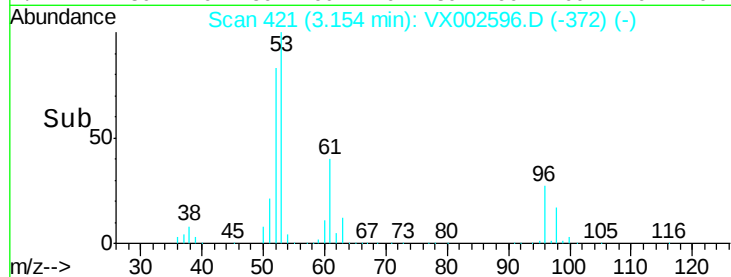
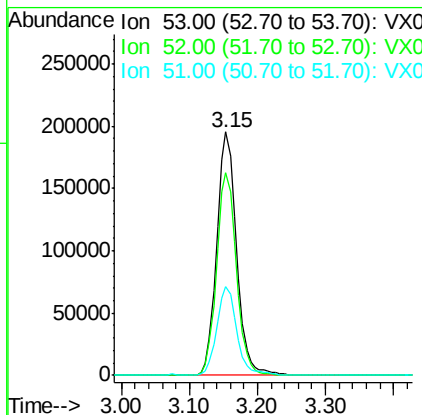
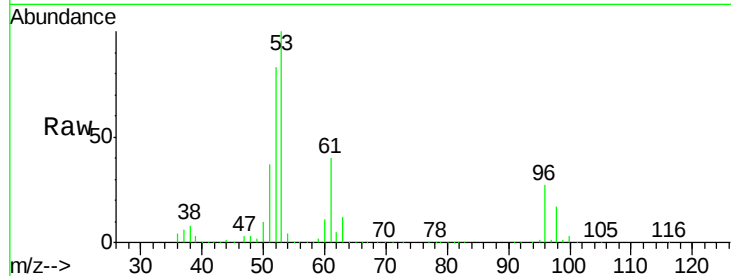
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	394062
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	36.8	29.9	44.9

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#16

Acetone

Concen: 215.86 ug/l

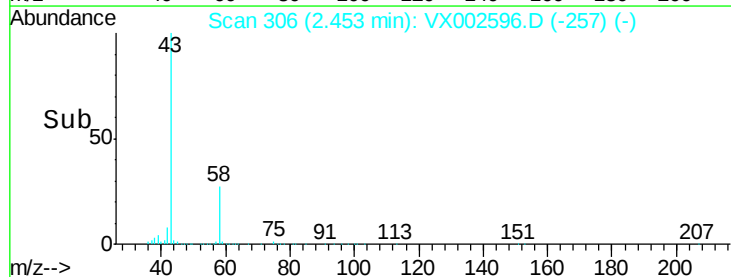
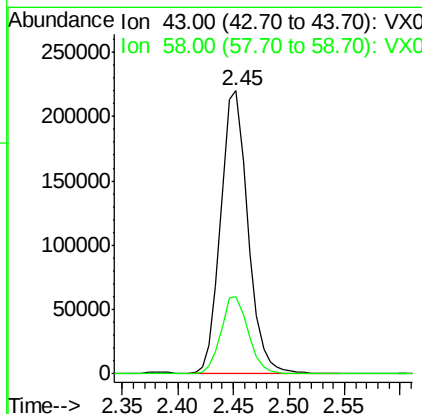
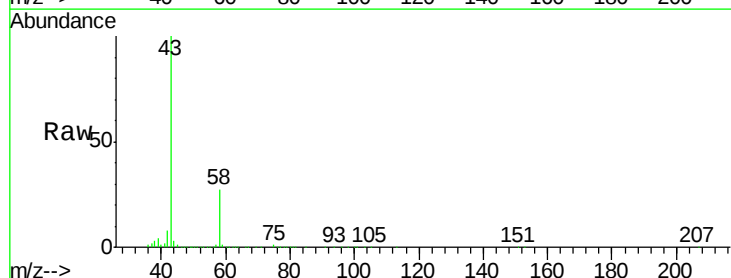
RT: 2.45 min Scan# 306

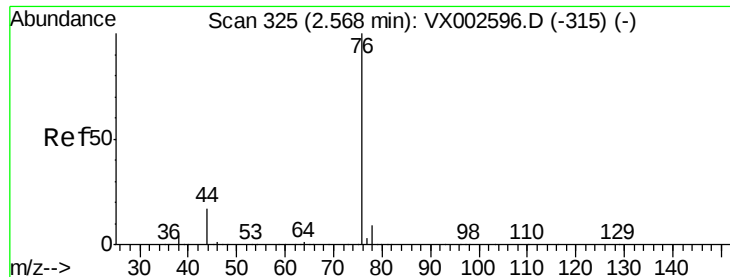
Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Tgt Ion:	43	Resp:	372327
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.1	33.1





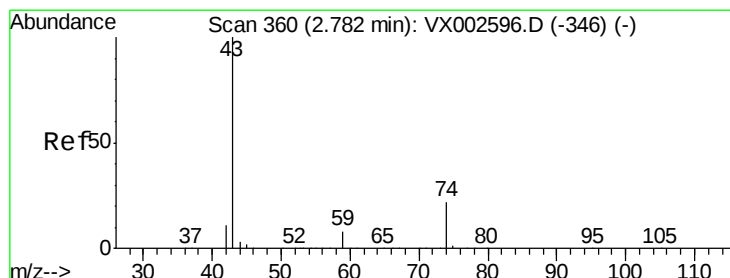
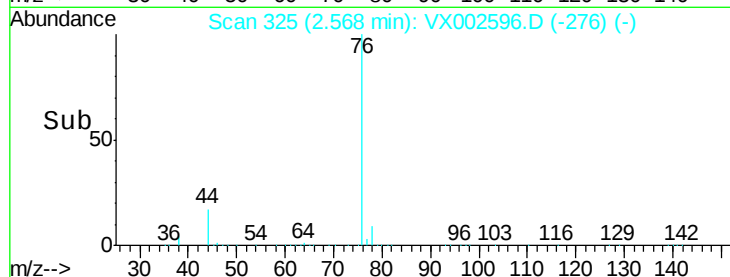
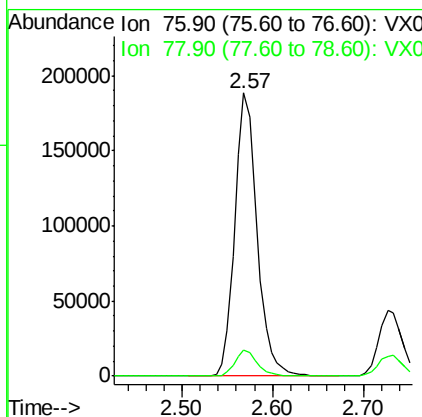
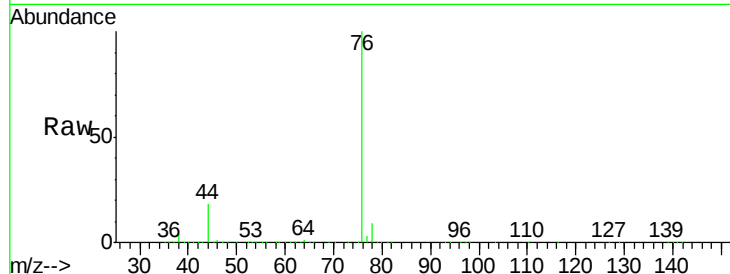
#17
Carbon Disulfide
Concen: 47.53 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

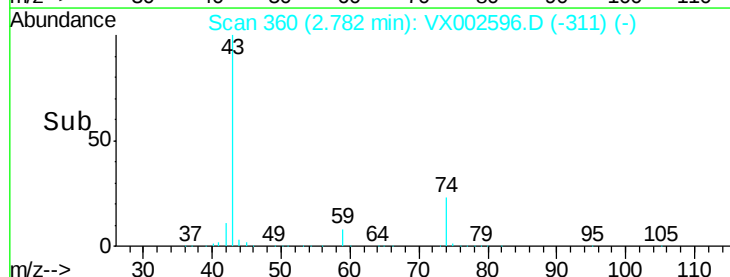
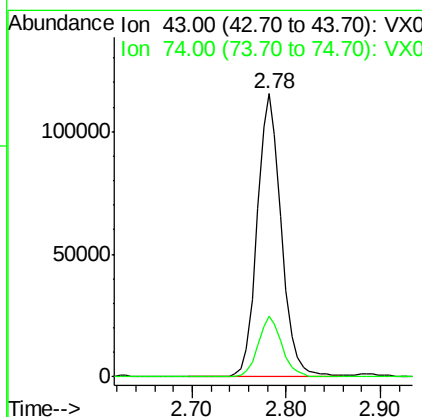
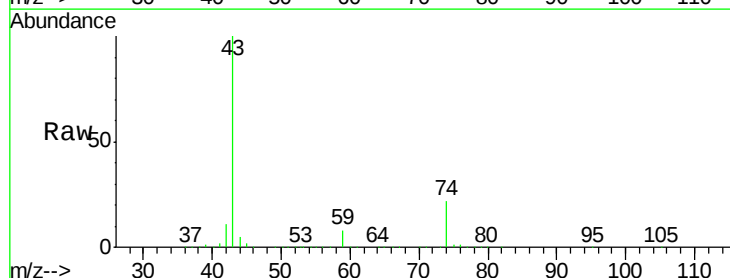
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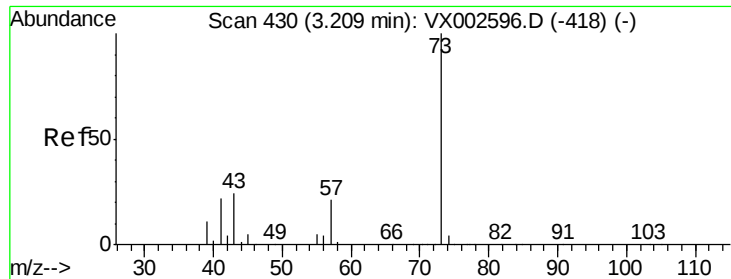
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#18
Methyl Acetate
Concen: 50.87 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.7	25.1





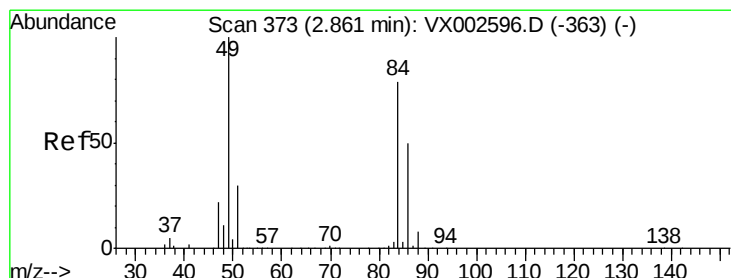
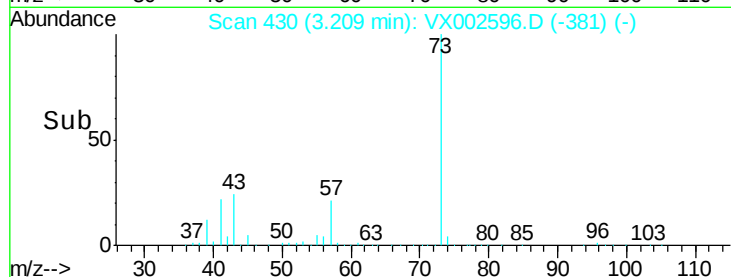
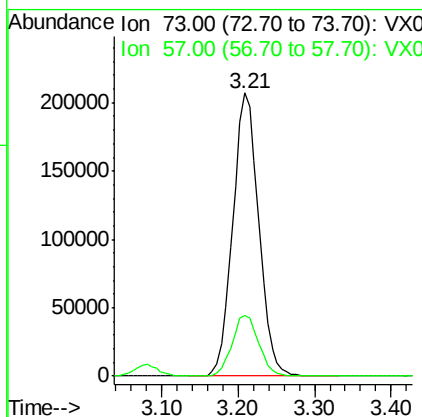
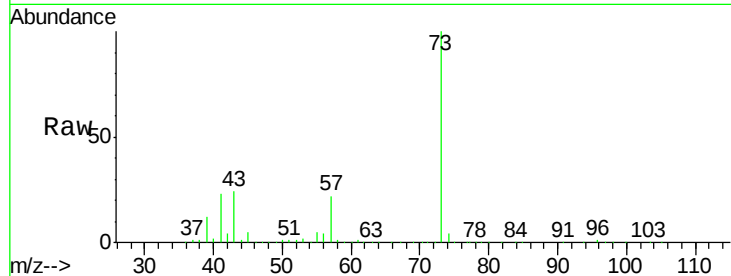
#19
Methvl tert-butvl Ether
Concen: 47.74 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 485596
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5

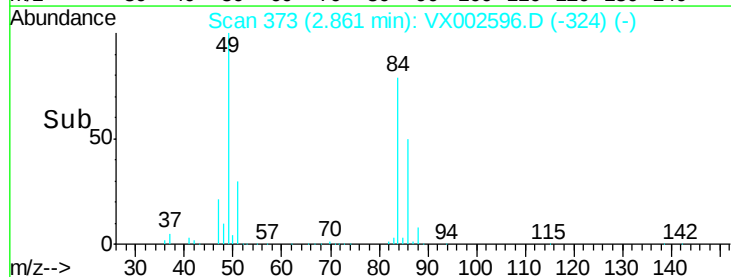
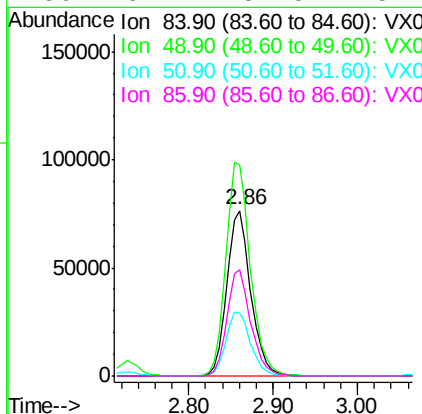
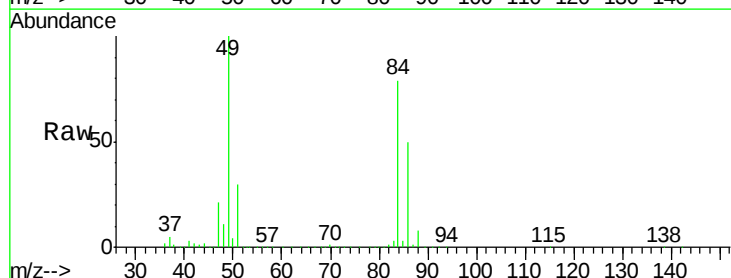
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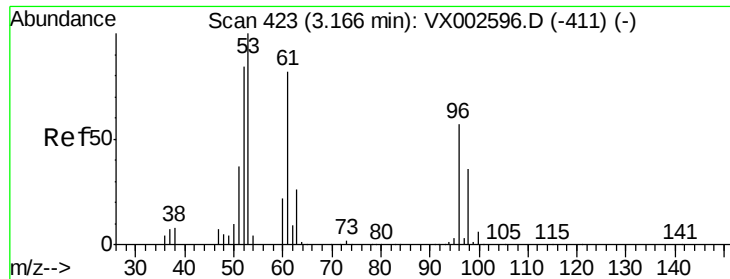
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#20
Methylene Chloride
Concen: 43.20 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion: 84 Resp: 148050
Ion Ratio Lower Upper
84 100
49 127.3 107.8 161.6
51 37.7 32.8 49.2
86 64.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.69 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 96 Resp: 140705

Ion Ratio Lower Upper

96 100

61 143.3 117.0 175.4

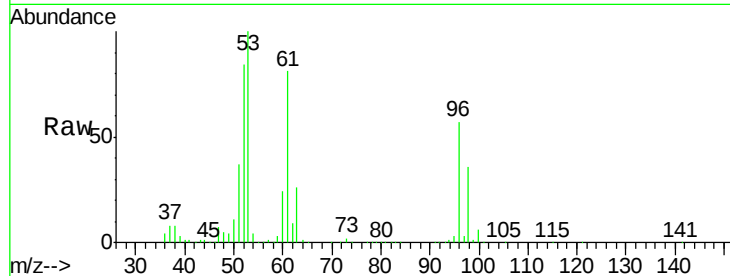
98 62.8 52.4 78.6

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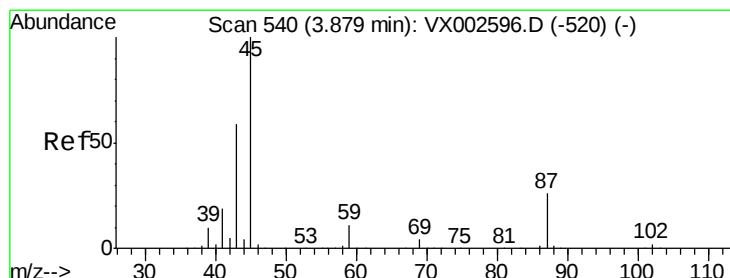
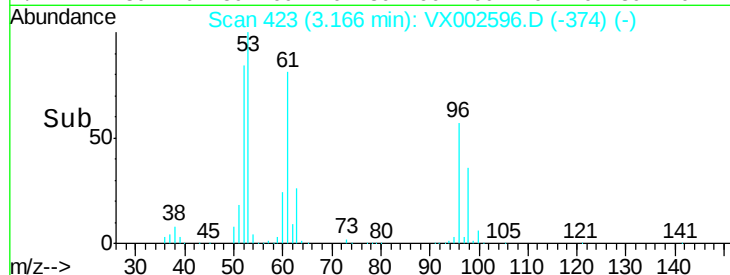
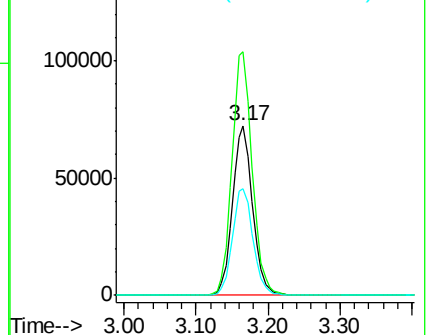
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 44.04 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Tgt Ion: 45 Resp: 457964

Ion Ratio Lower Upper

45 100

43 58.7 46.8 70.2

87 25.7 20.2 30.4

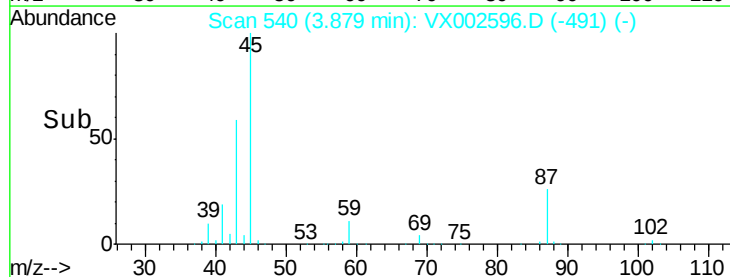
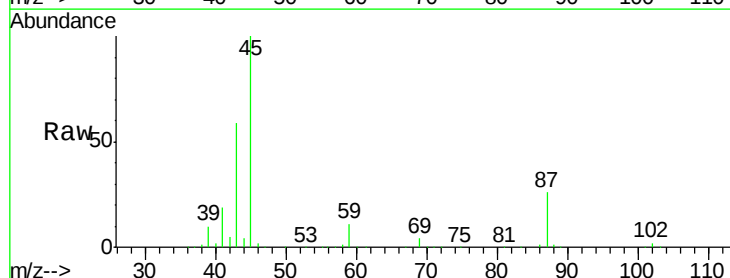
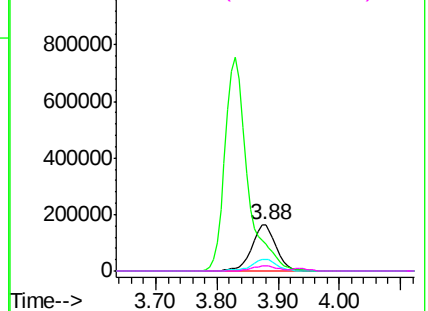
59 11.3 8.7 13.1

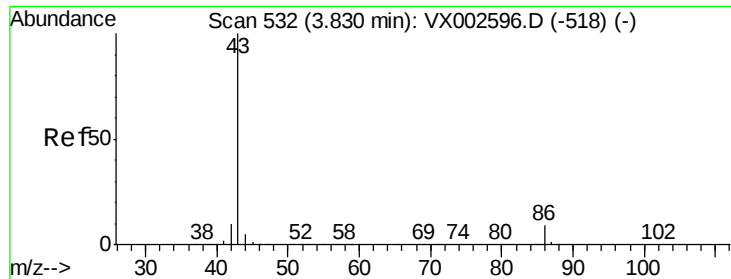
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 215.53 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1947033

Ion Ratio Lower Upper

43 100

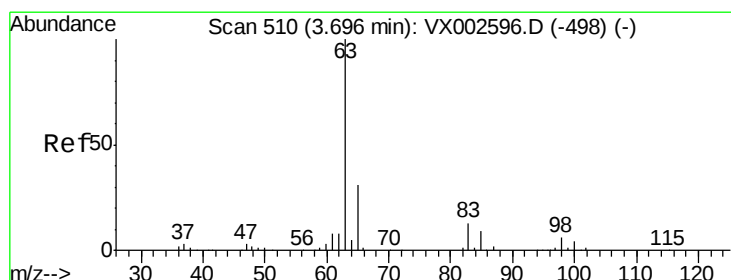
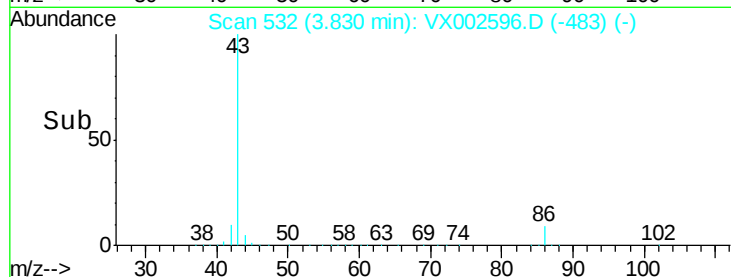
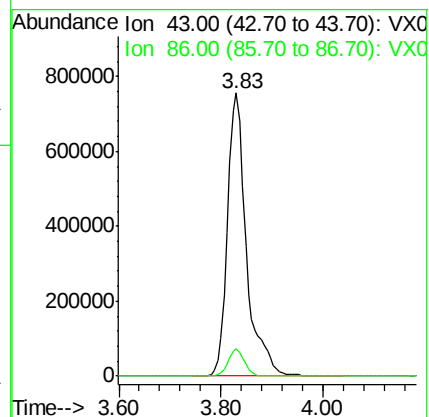
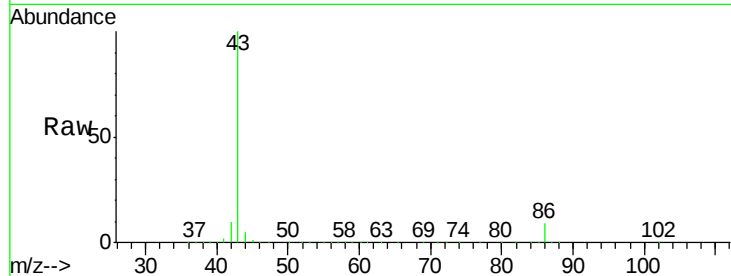
86 9.5 7.4 11.0

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#24

1,1-Dichloroethane

Concen: 42.69 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

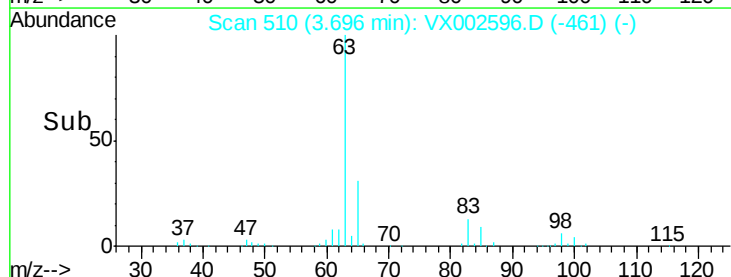
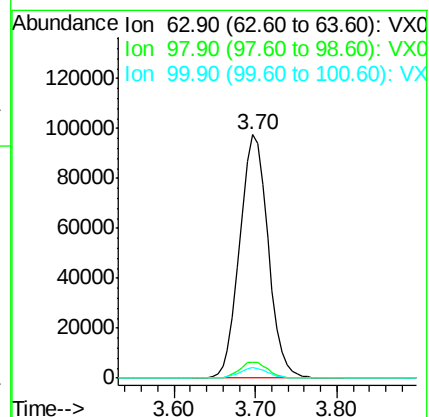
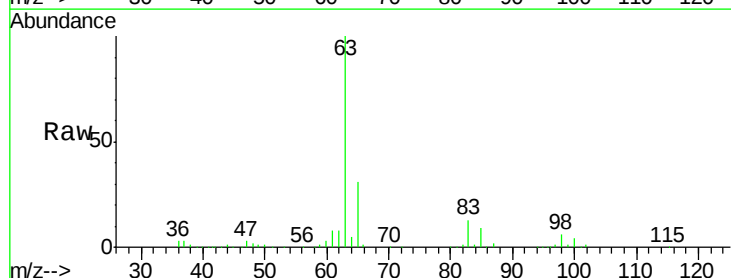
Tgt Ion: 63 Resp: 235132

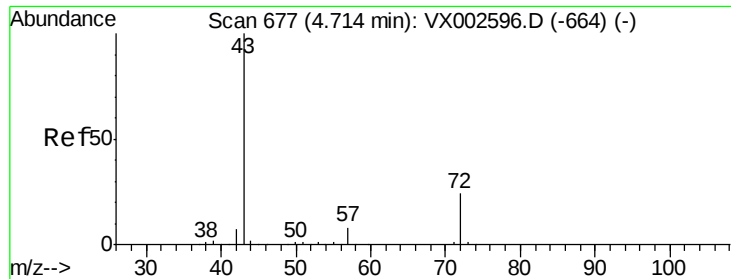
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 215.16 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 508861

Ion Ratio Lower Upper

43 100

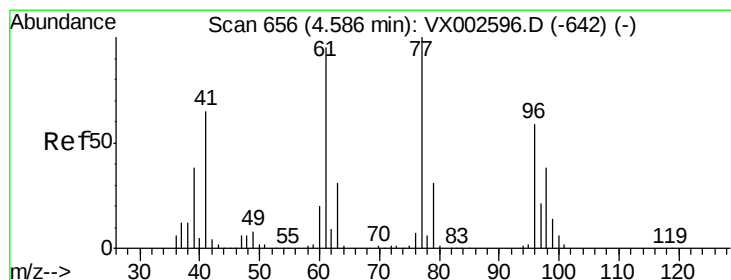
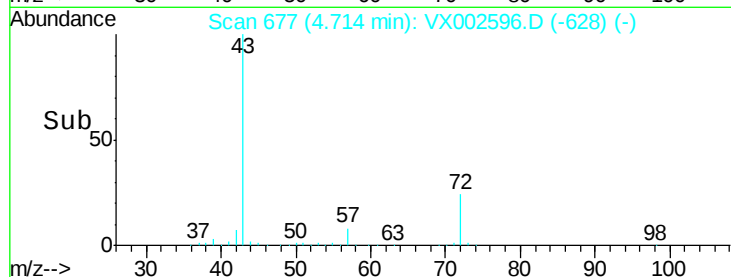
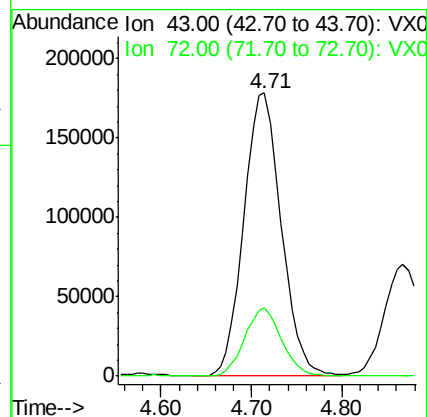
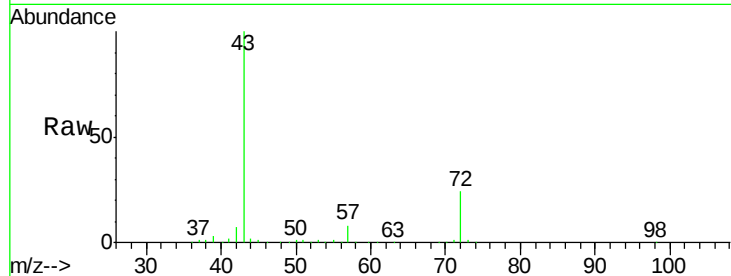
72 24.1 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.67 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX002596.D

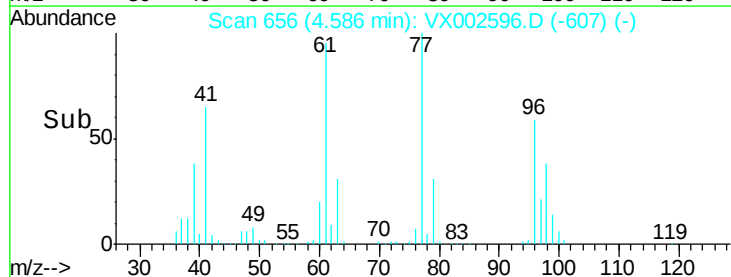
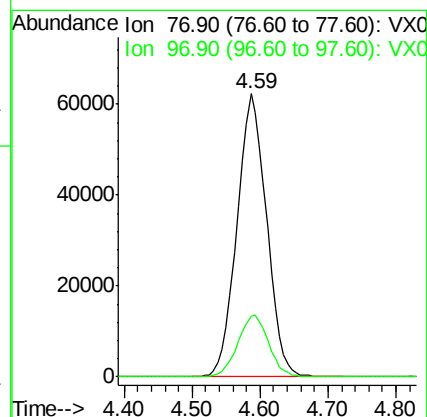
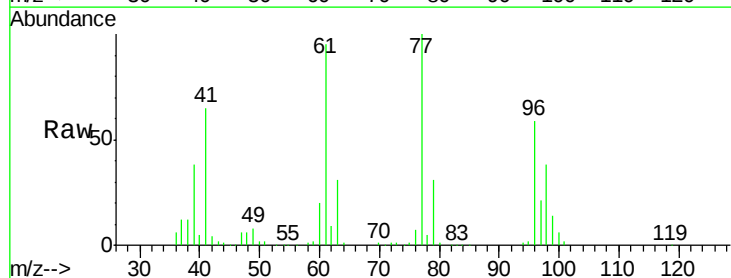
Acq: 15 Jun 2018 12:55

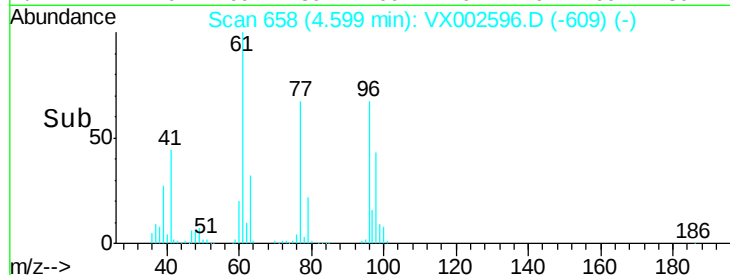
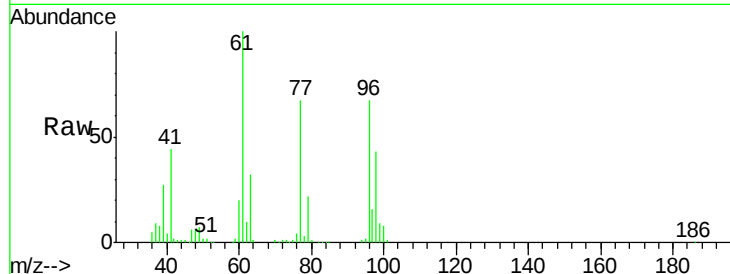
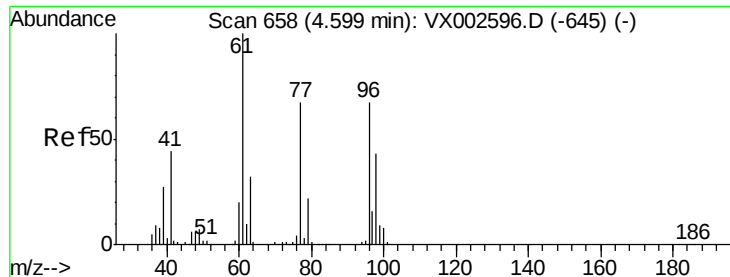
Tgt Ion: 77 Resp: 187996

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.5





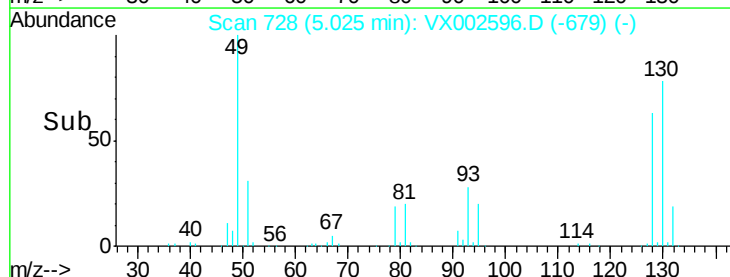
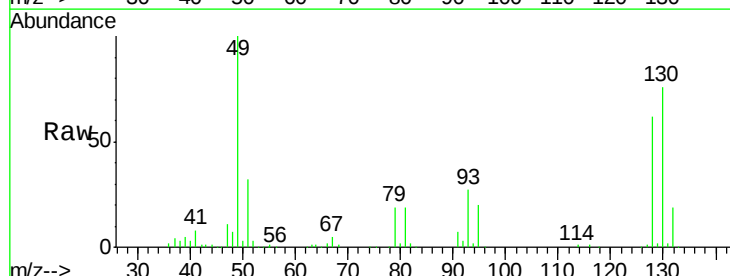
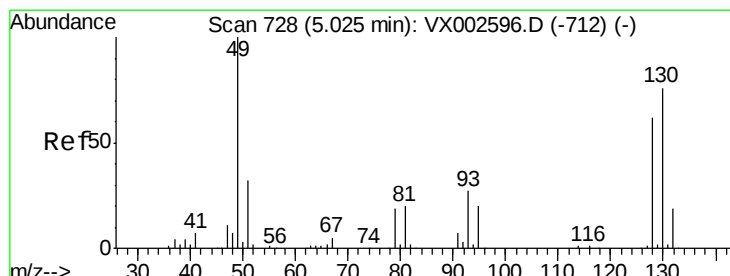
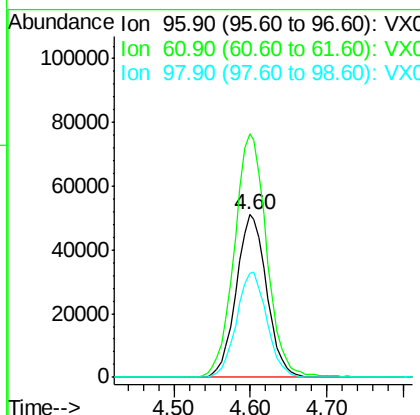
#27
 cis-1,2-Dichloroethene
 Concen: 45.73 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tot Ion	Ratio	Resp	Lower	Upper
96	100	140841		
61	159.4	0.0	330.2	
98	64.7	0.0	130.2	

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

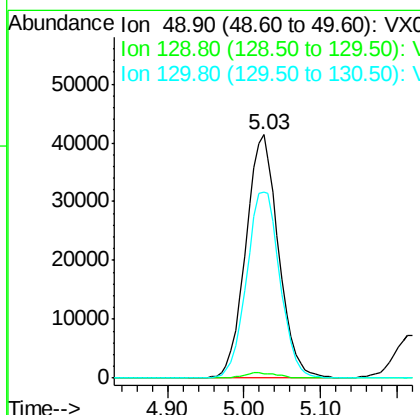
Manual Integrations
 APPROVED

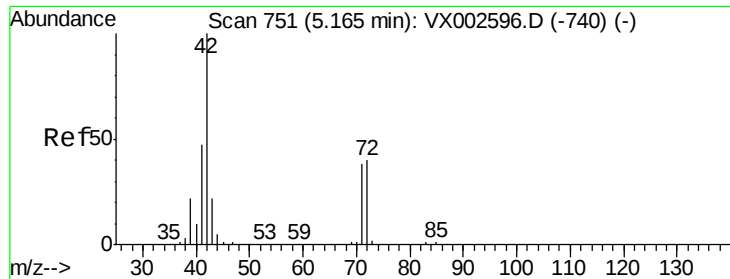
MMDadoda
 6/18/2018 5:11:59 PM



#28
 Bromochloromethane
 Concen: 46.09 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122930		
129	2.2	0.0	4.2	
130	78.2	61.2	91.8	





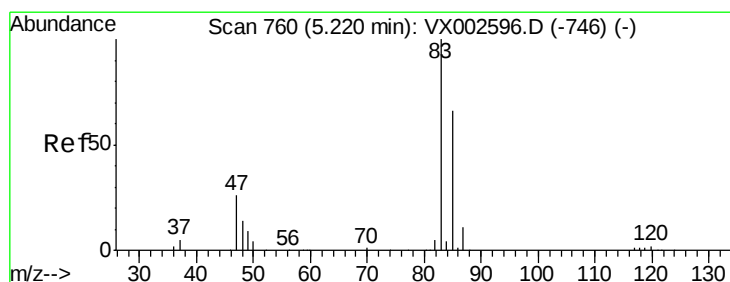
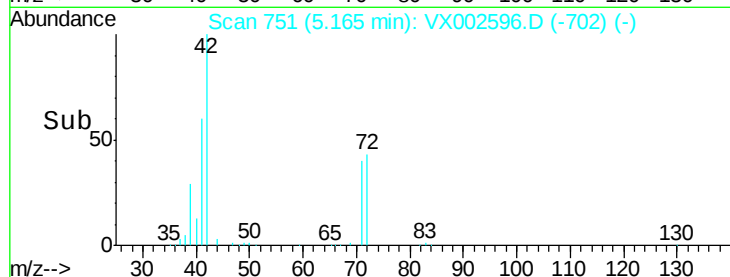
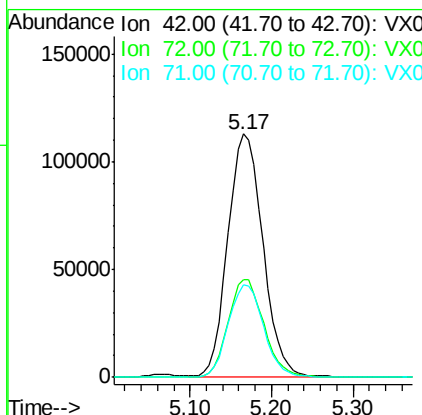
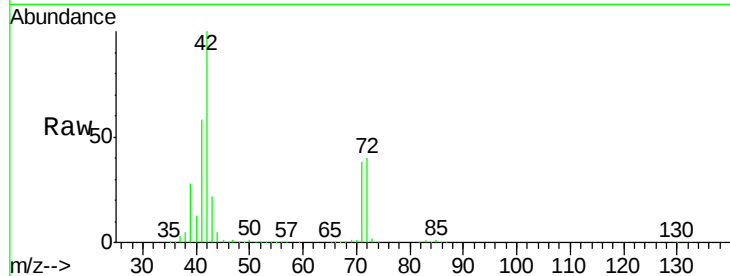
#29
Tetrahydrofuran
Concen: 219.57 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.0	48.0
71	38.5	30.1	45.1

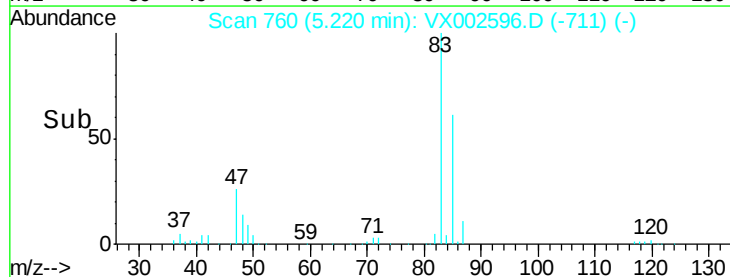
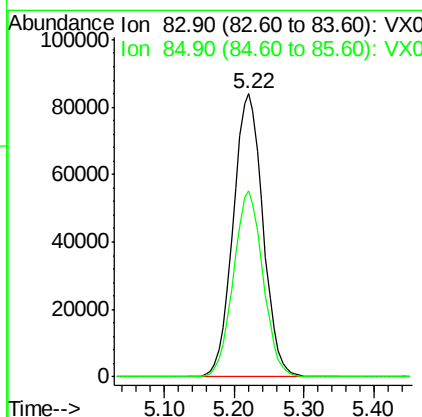
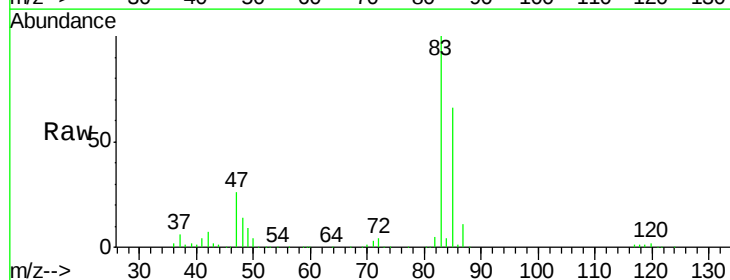
Manual Integrations
APPROVED

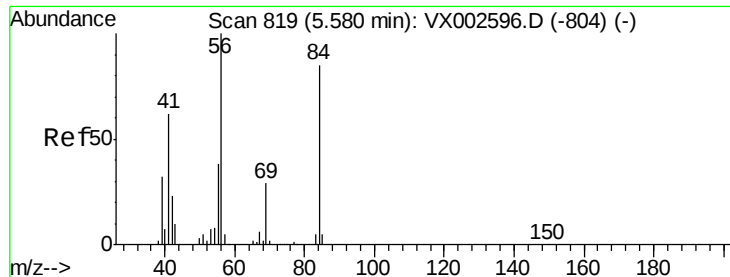
MMDadoda
6/18/2018 5:11:59 PM



#30
Chloroform
Concen: 46.64 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.4	75.6





#31

Cyclohexane

Concen: 49.85 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

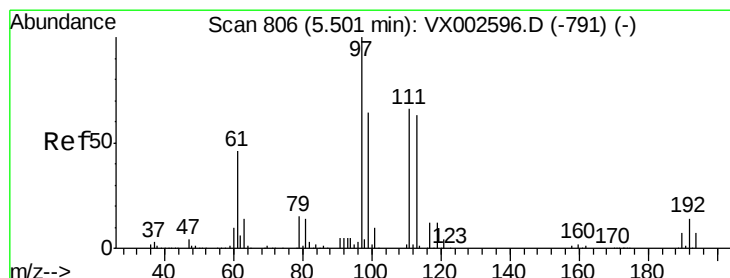
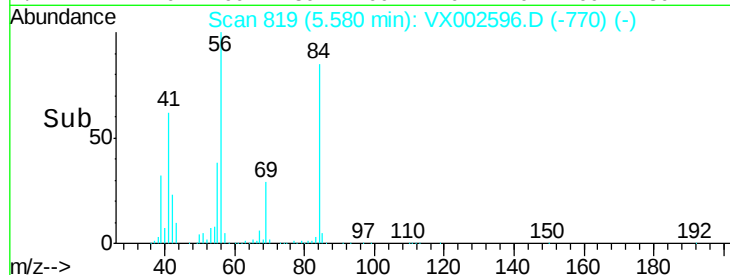
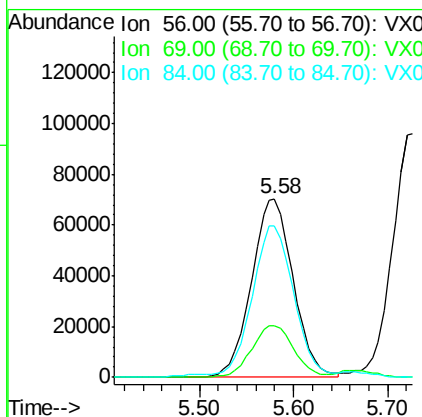
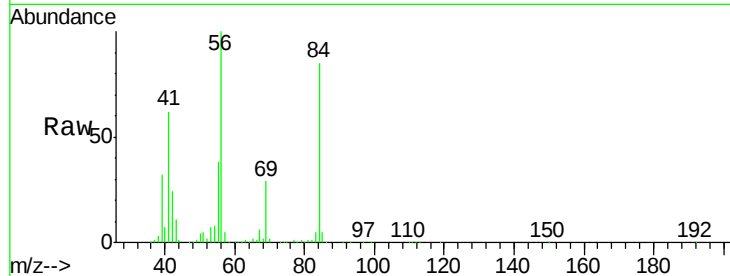
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	217097
Ion Ratio		Lower	Upper
56	100		
69	29.0	23.7	35.5
84	83.3	64.1	96.1

Manual Integrations
APPROVED

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6/18/2018 5:11:59 PM



#32

1,1,1-Trichloroethane

Concen: 47.83 ug/l

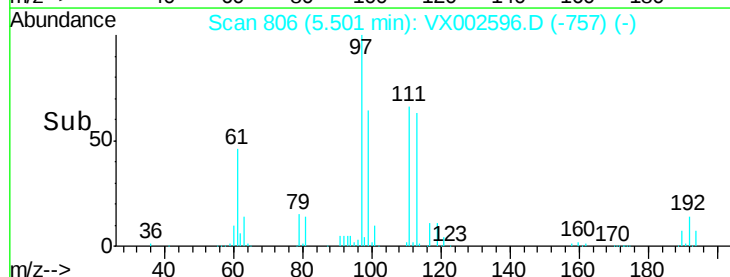
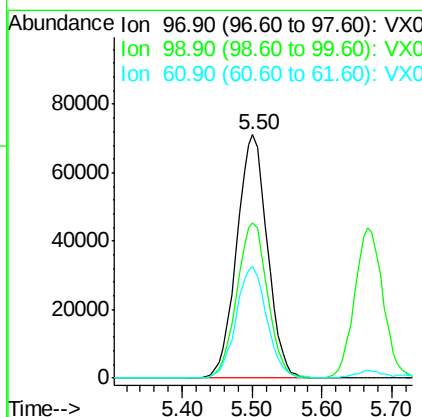
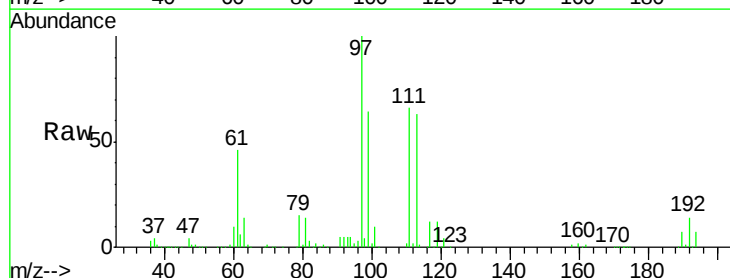
RT: 5.50 min Scan# 806

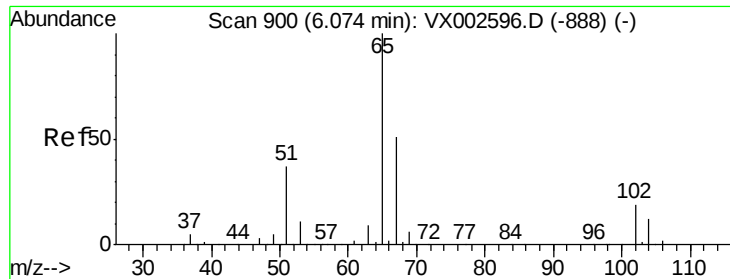
Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Tgt Ion:	97	Resp:	215575
Ion Ratio		Lower	Upper
97	100		
99	64.3	51.6	77.4
61	46.2	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 46.08 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Tot Ion: 65 Resp: 172890

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.6

Instrument :

MSVOA_X

ClientSampleId :

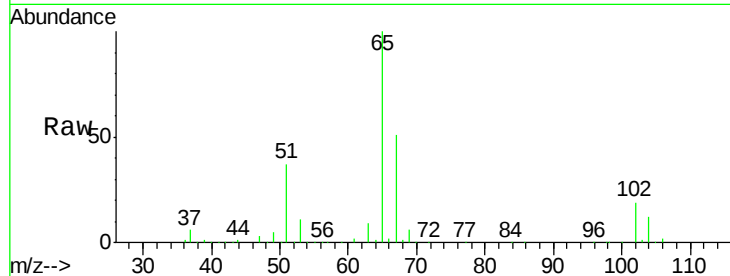
VSTDICCC050

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

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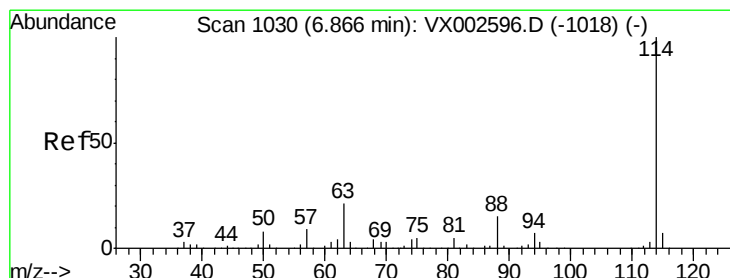
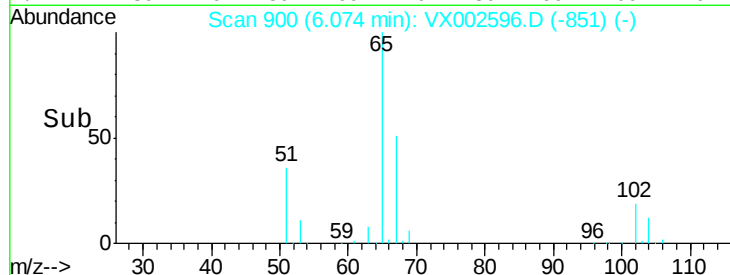
6.07

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

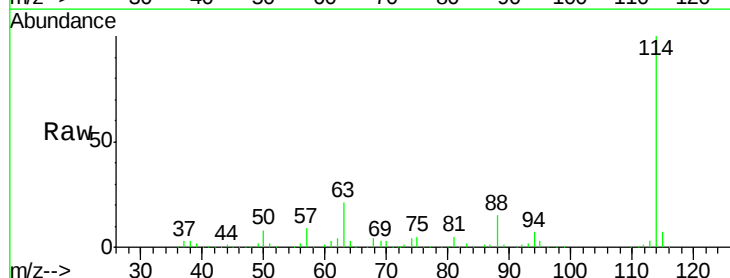
Tgt Ion: 114 Resp: 349148

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

88 15.3 0.0 30.0



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

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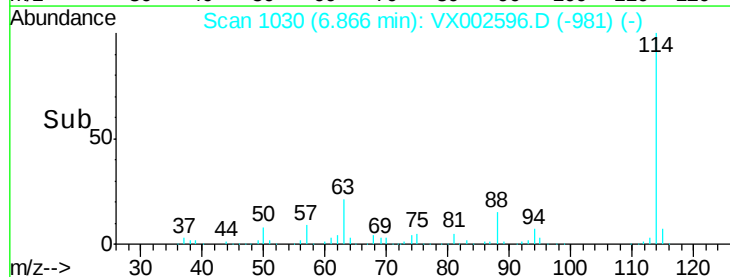
6.87

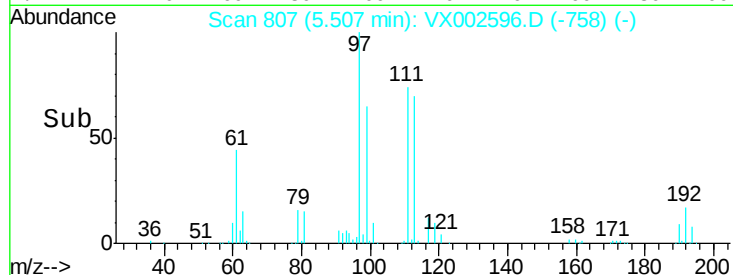
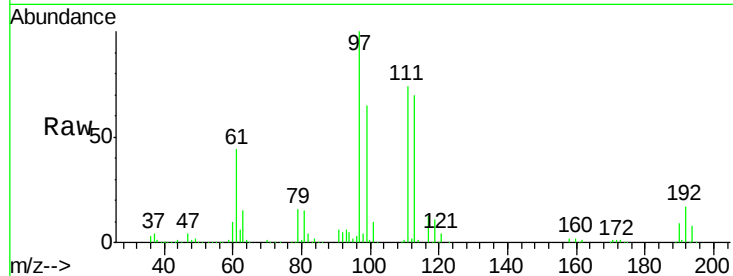
6.87

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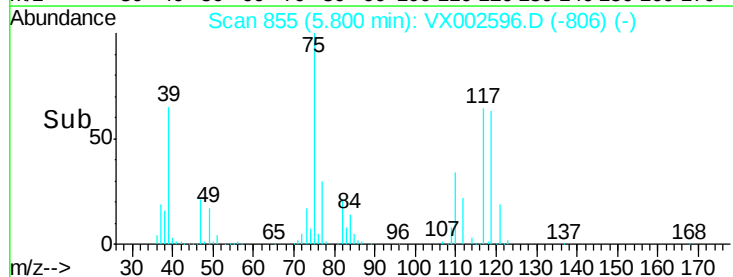
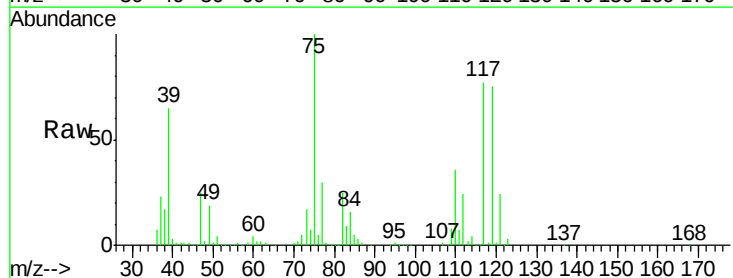
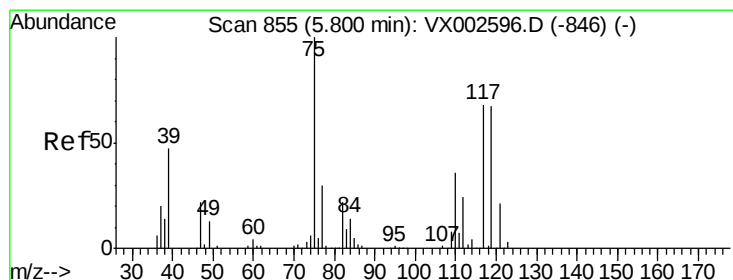
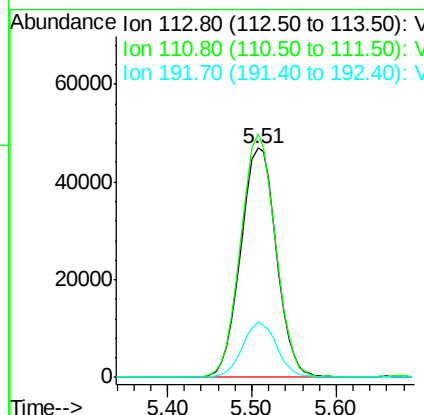
#35
Dibromofluoromethane
Concen: 49.13 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tot Ion	Ratio	Resp	Lower	Upper
113	100	134887		
111	103.6	81.4	122.0	
192	23.3	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

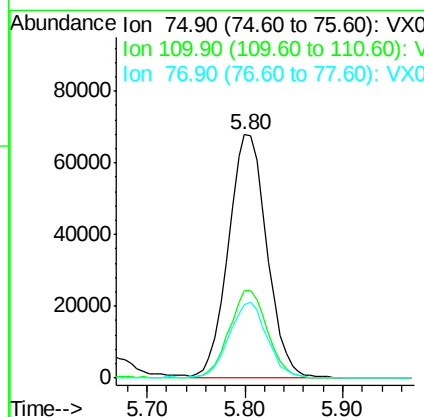
Manual Integrations
APPROVED

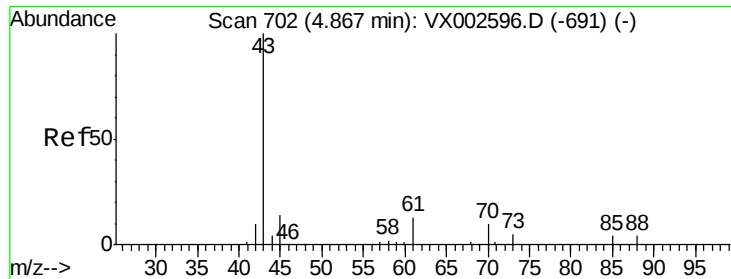
MMDadoda
6/18/2018 5:11:59 PM



#36
1,1-Dichloropropene
Concen: 50.20 ug/l
RT: 5.80 min Scan# 855
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	184274		
110	36.3	18.1	54.4	
77	30.9	24.3	36.5	





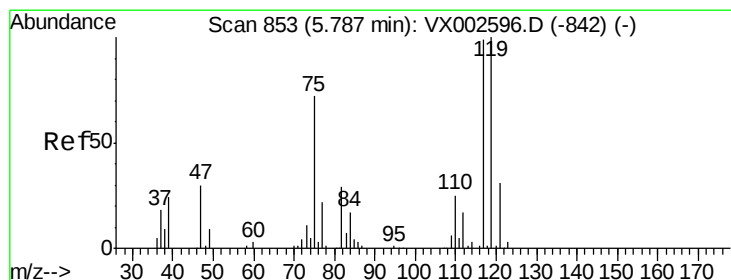
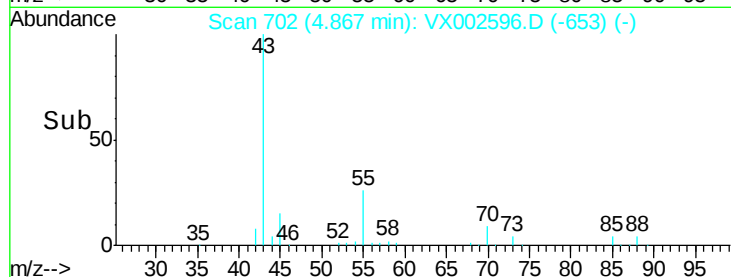
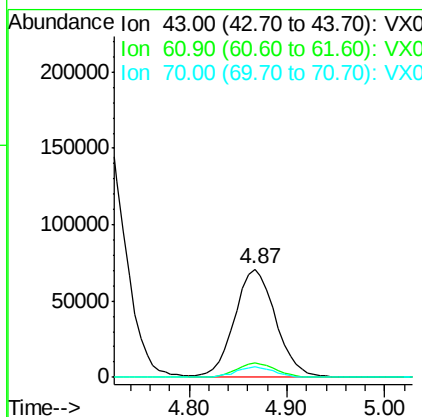
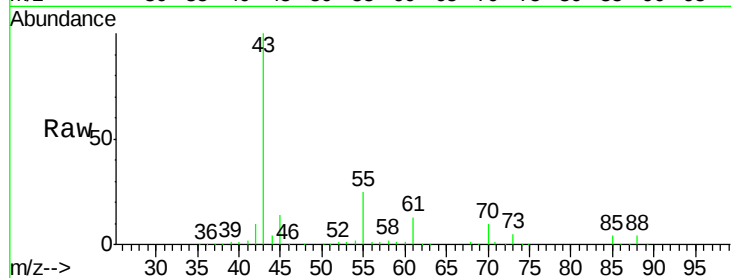
#37
Ethyl Acetate
Concen: 46.05 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	9.4	7.6	11.4

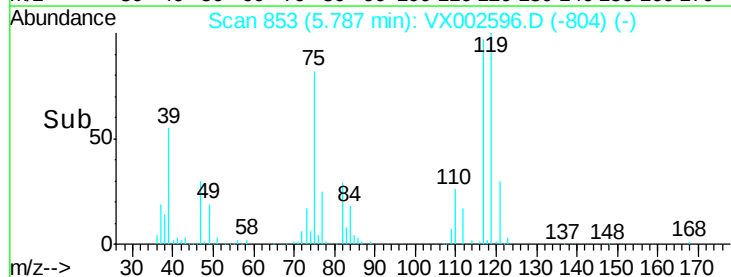
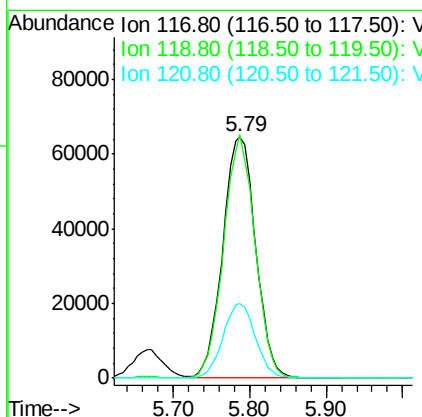
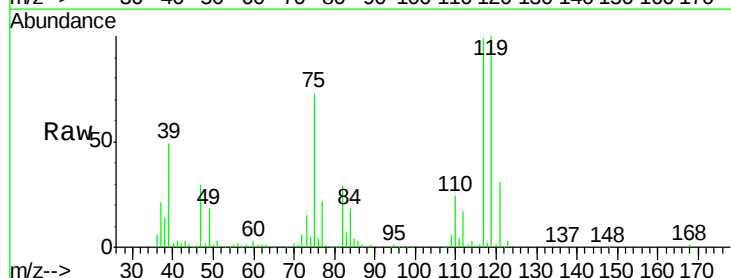
Manual Integrations
APPROVED

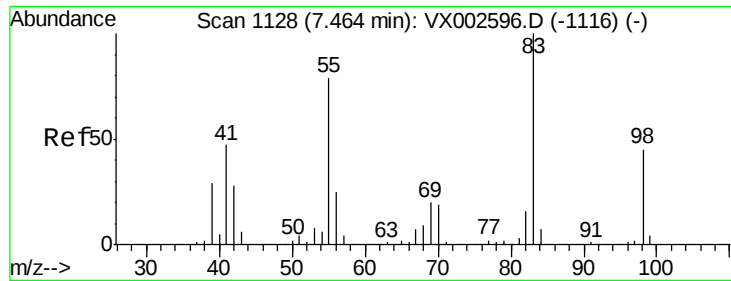
MMDadoda
6/18/2018 5:11:59 PM



#38
Carbon Tetrachloride
Concen: 50.06 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	77.4	116.0
121	31.0	24.4	36.6





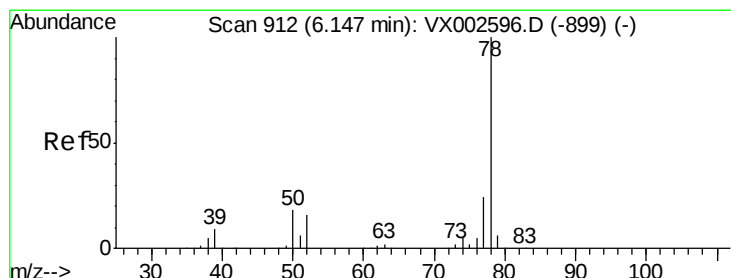
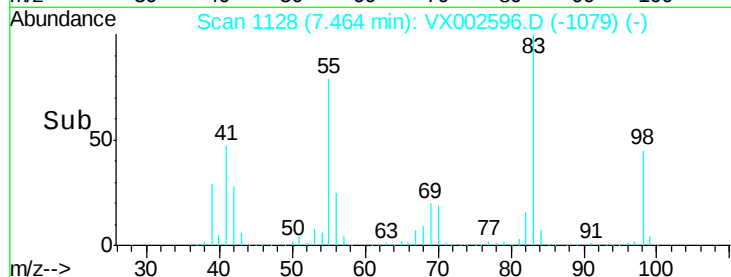
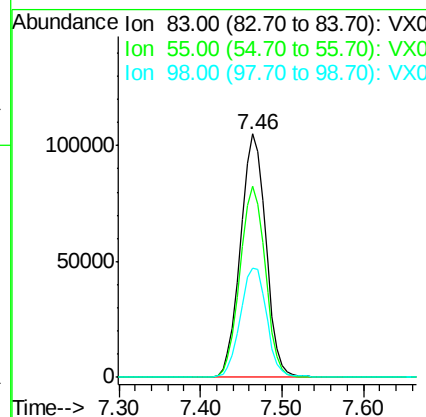
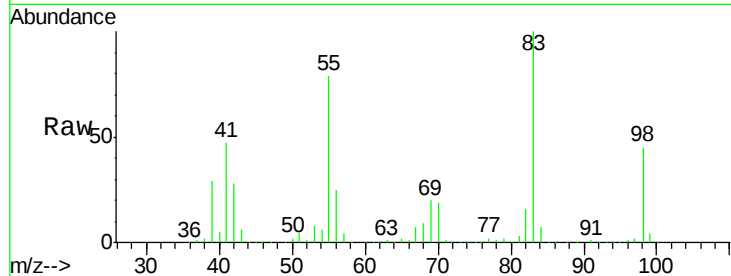
#39
Methvlcvclohexane
Concen: 53.86 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	225310		
55	78.7	65.4	98.0	
98	45.1	37.4	56.0	

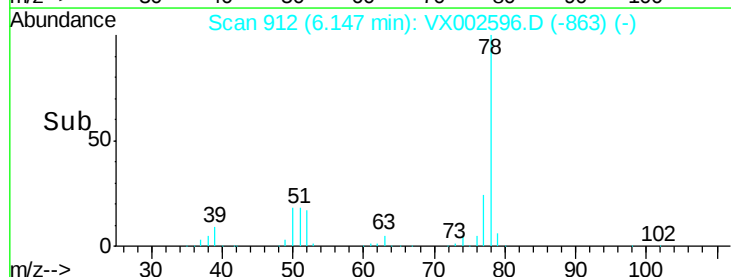
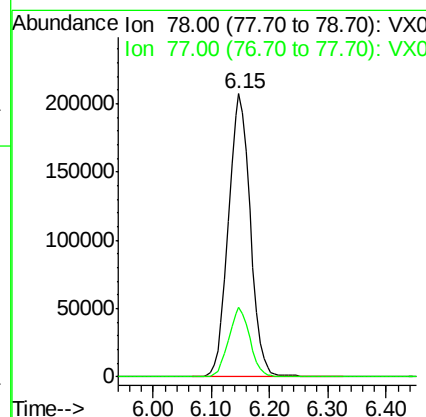
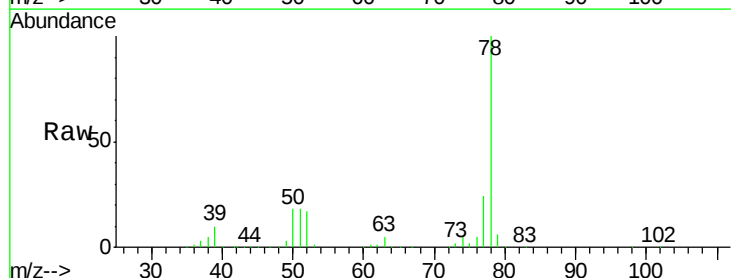
Manual Integrations
APPROVED

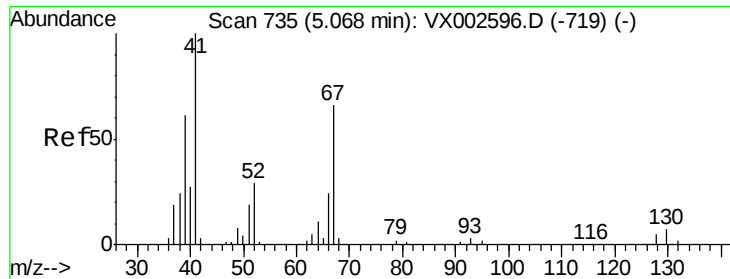
MMDadoda
6/18/2018 5:11:59 PM



#40
Benzene
Concen: 48.26 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	543158		
77	24.4	19.1	28.7	





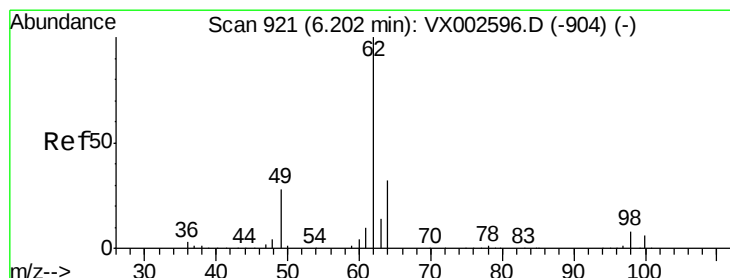
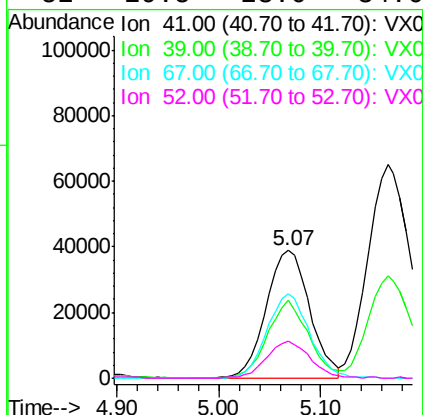
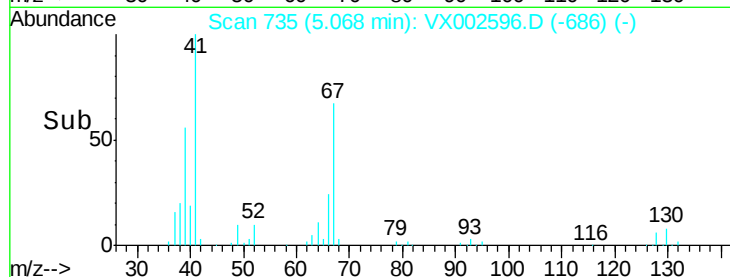
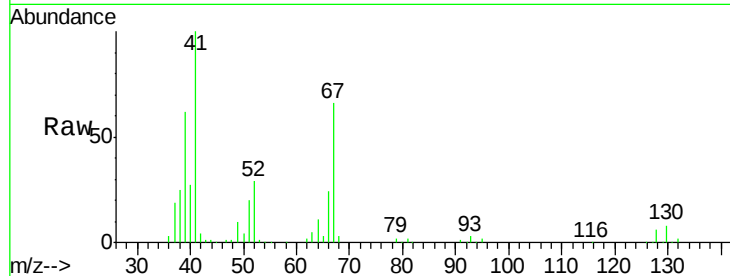
#41
Methacrylonitrile
Concen: 45.39 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.4	45.8	68.6	
67	65.4	51.3	76.9	
52	29.5	23.0	34.6	

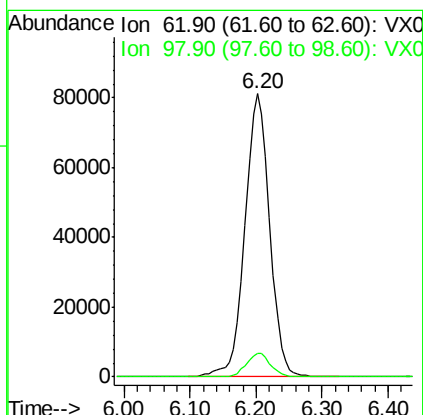
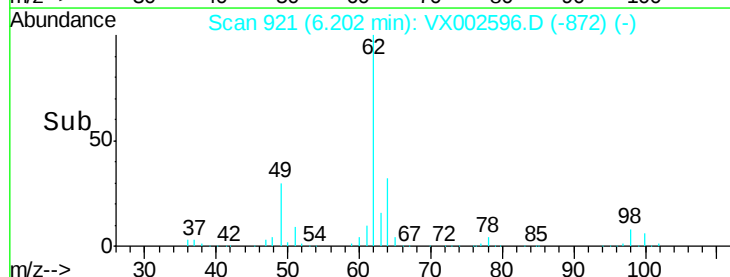
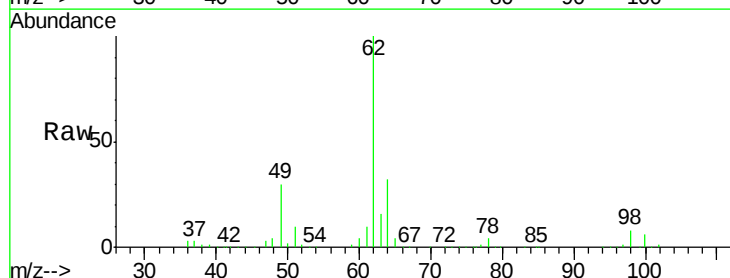
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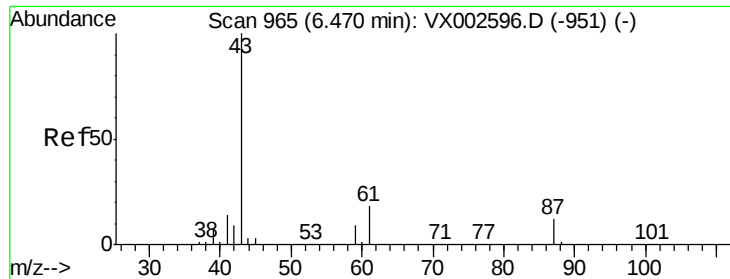
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.13 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

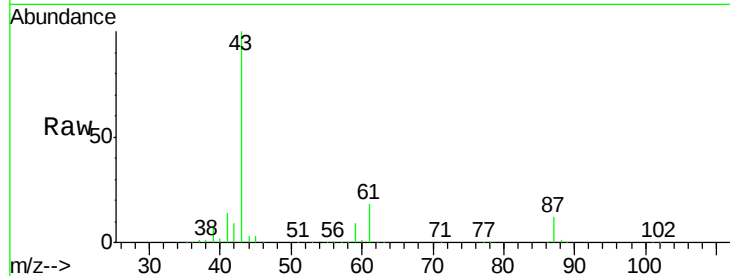
Isopropyl Acetate
 Concen: 45.85 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

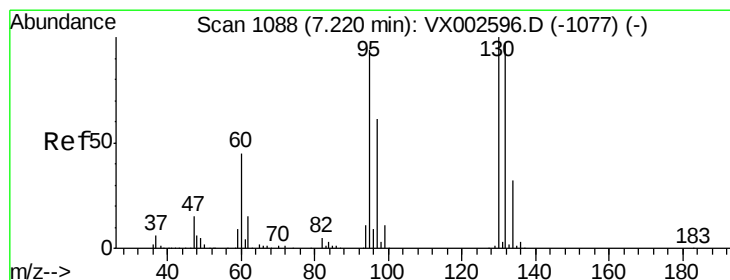
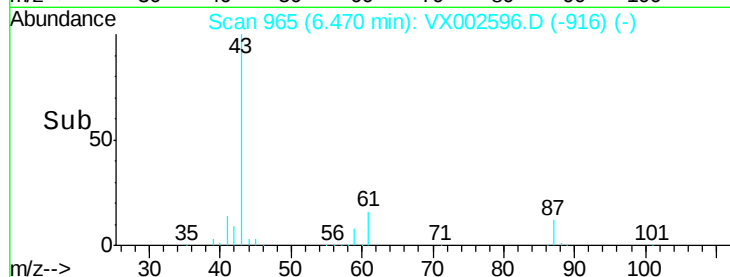
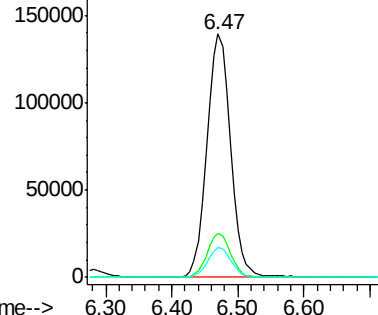
Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.4	21.6
87	12.1	9.5	14.3

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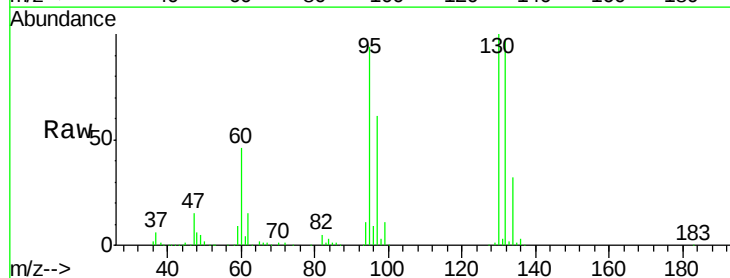
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



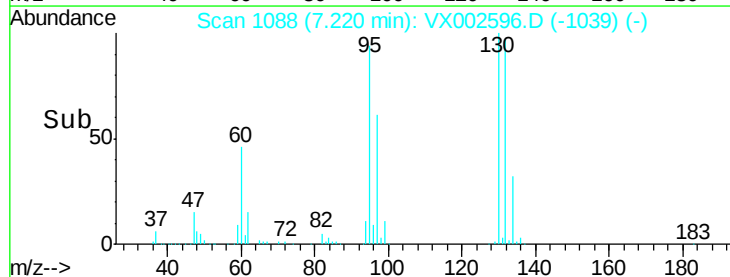
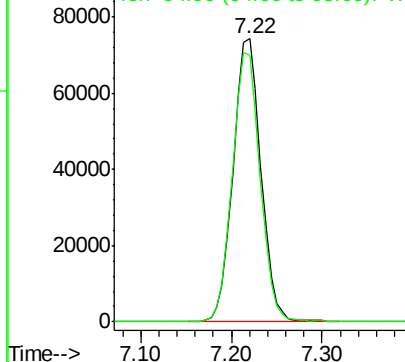
#44

Trichloroethene
 Concen: 50.72 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	185.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





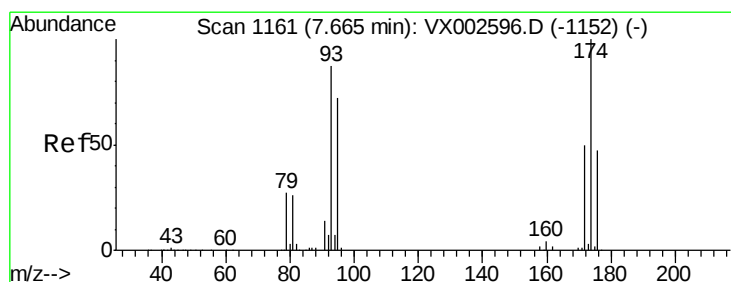
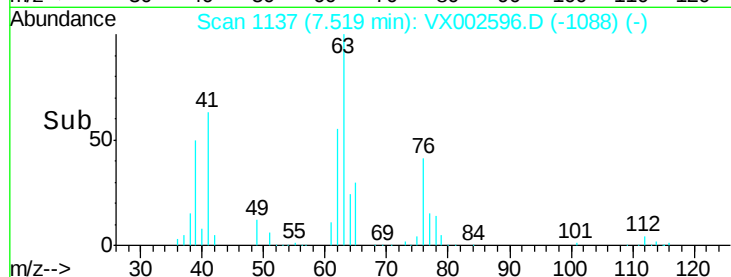
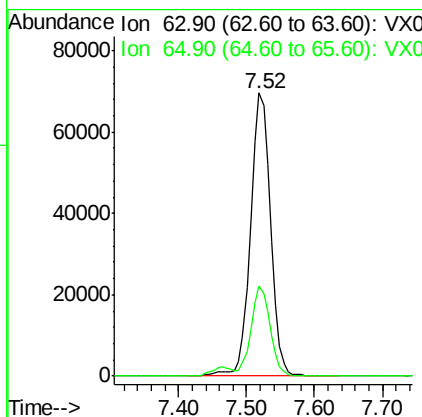
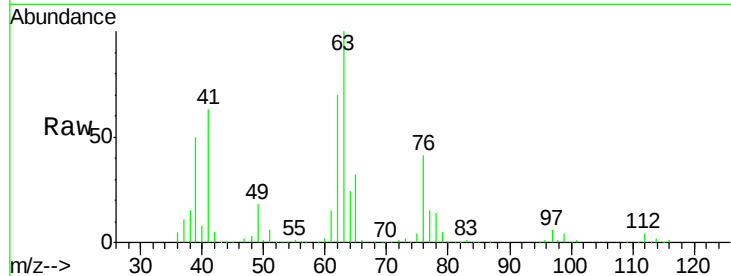
#45
 1,2-Dichloropropane
 Concen: 47.10 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 143120
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.7 37.1

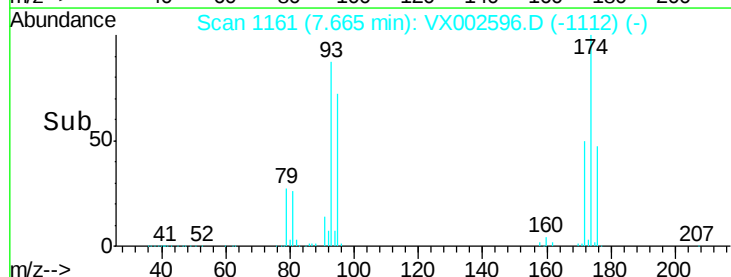
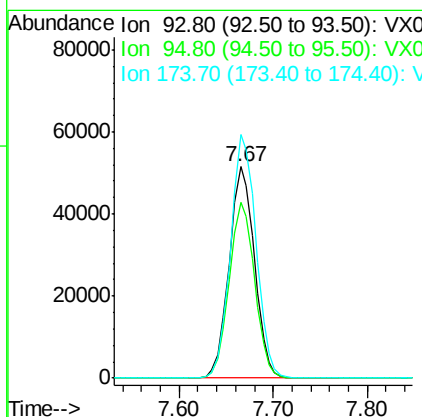
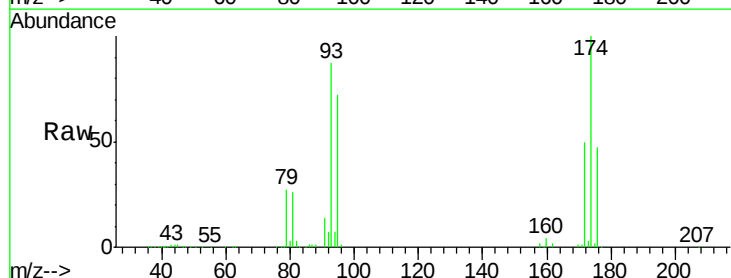
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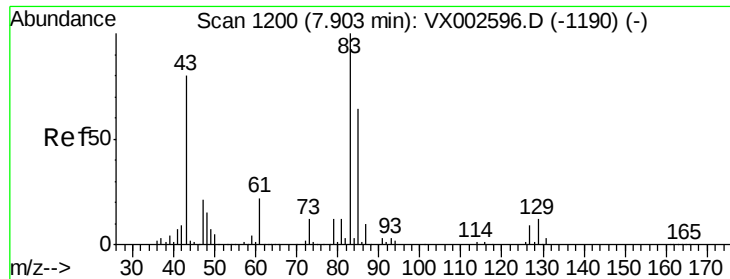
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#46
 Dibromomethane
 Concen: 46.88 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion: 93 Resp: 96565
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.9 98.9
 174 115.7 92.4 138.6





#47

Bromodichloromethane

Concen: 47.77 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

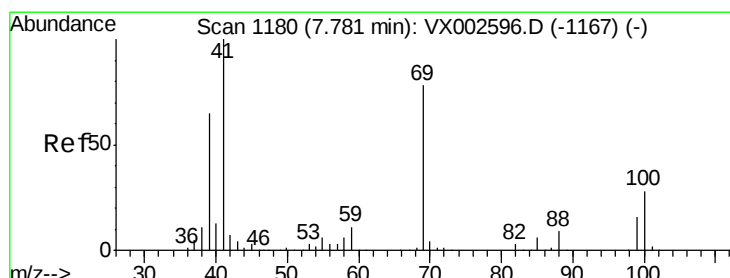
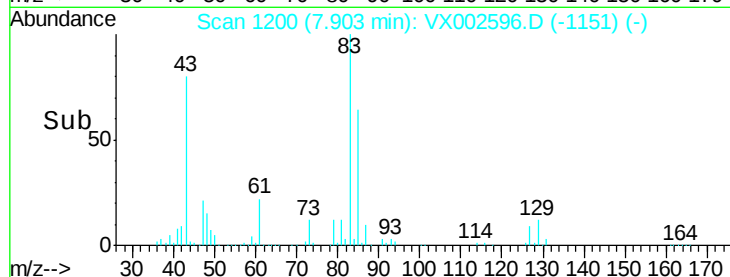
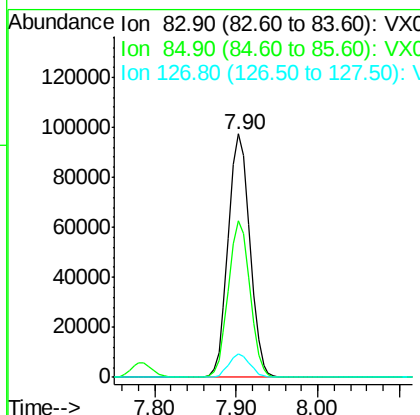
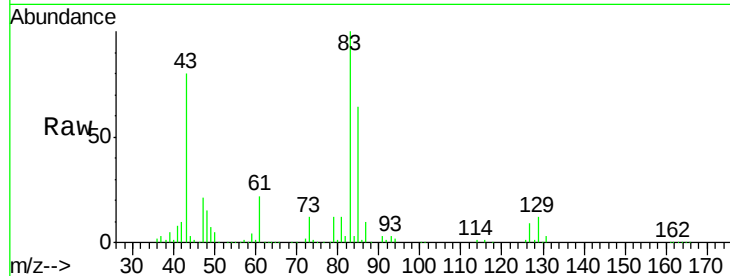
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	177943
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.3	75.5
127	9.5	7.0	10.4

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#48

Methyl methacrylate

Concen: 46.24 ug/l

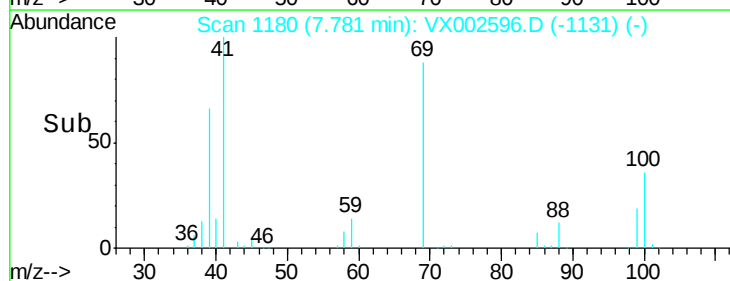
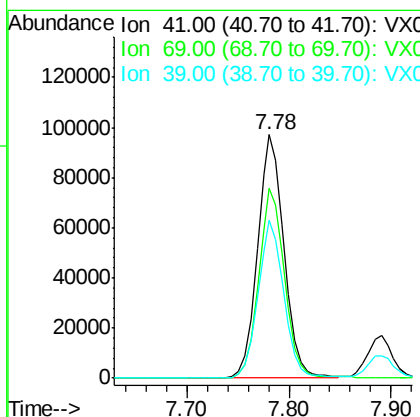
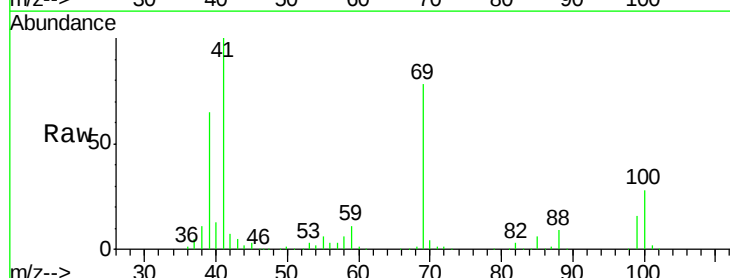
RT: 7.78 min Scan# 1180

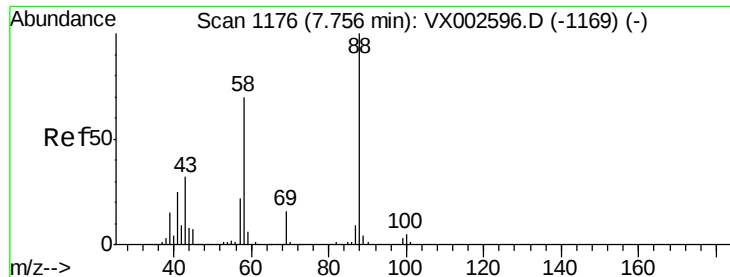
Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Tgt Ion:	41	Resp:	174147
Ion	Ratio	Lower	Upper
41	100		
69	76.8	59.1	88.7
39	63.4	48.9	73.3





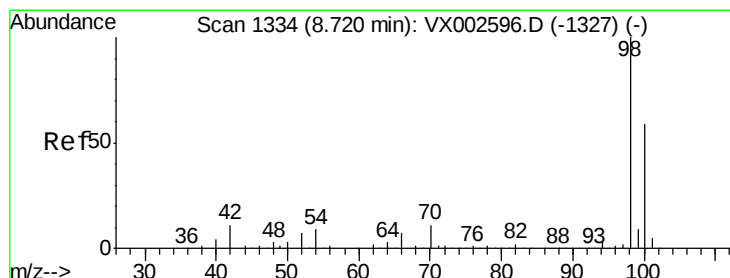
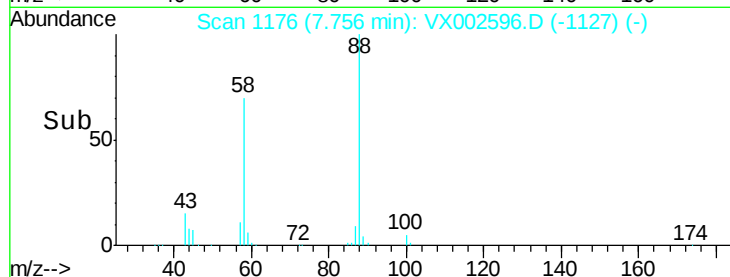
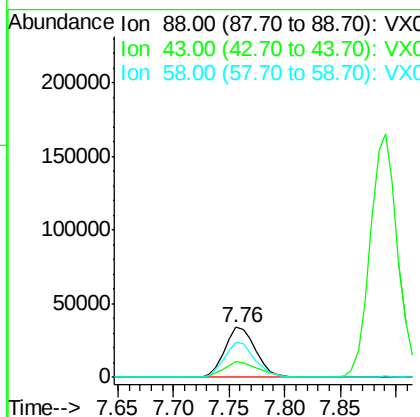
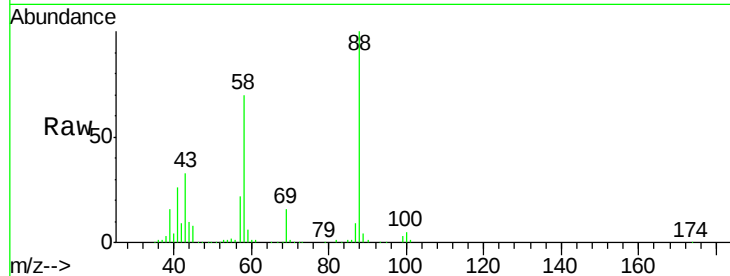
#49
1,4-Dioxane
Concen: 925.51 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	29.8	44.6
58	69.8	57.1	85.7

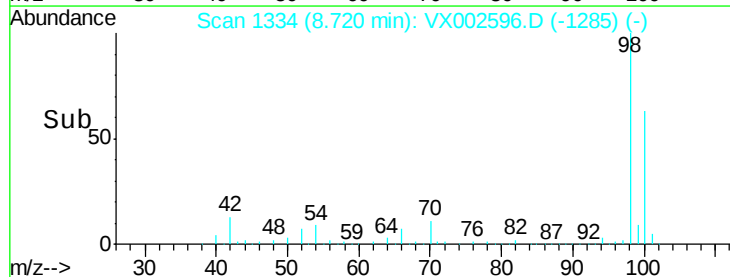
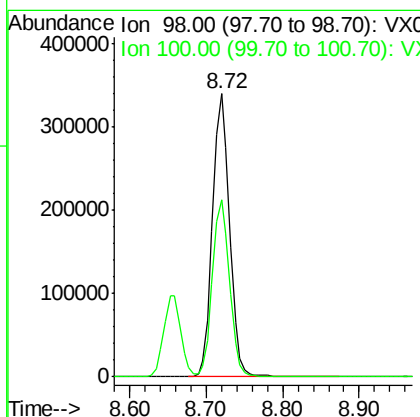
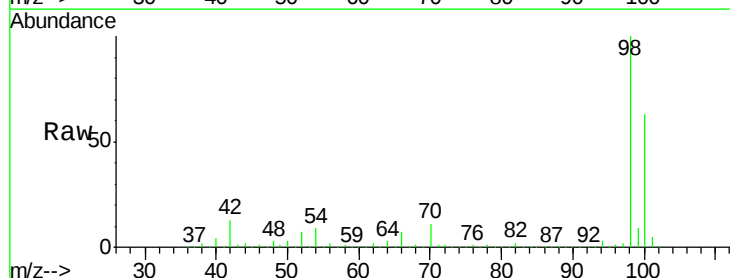
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#50
Toluene-d8
Concen: 50.05 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.9	76.3





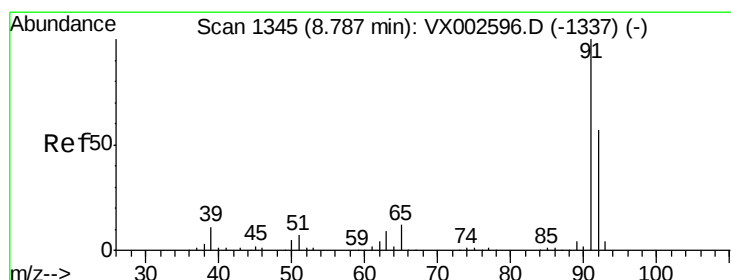
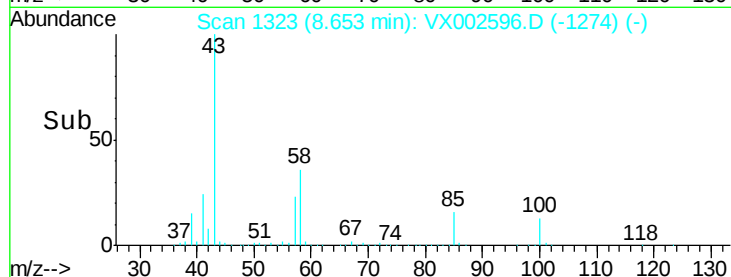
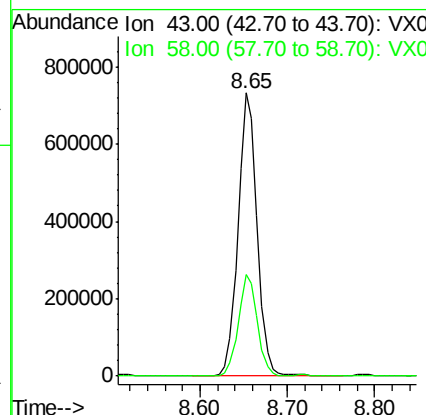
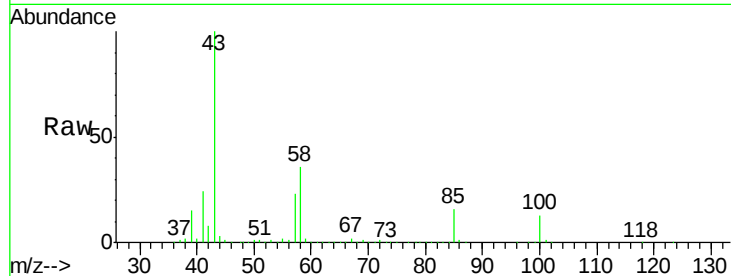
#51
4-Methyl-2-Pentanone
Concen: 238.21 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1112231
Ion Ratio Lower Upper
43 100
58 35.9 28.6 42.8

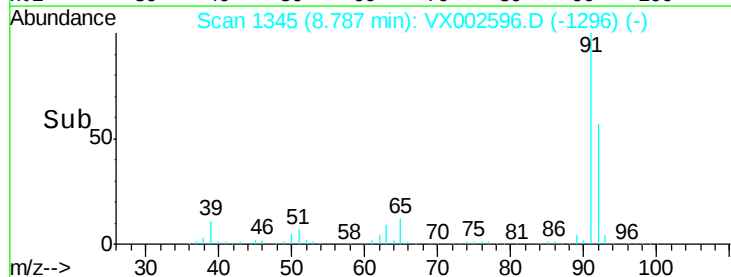
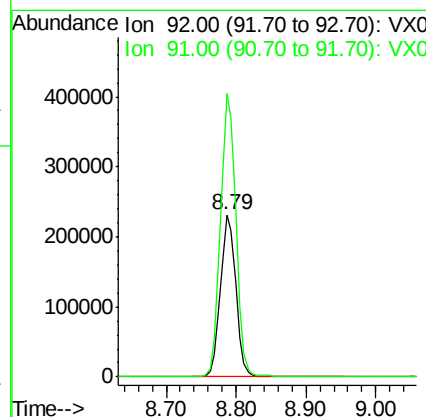
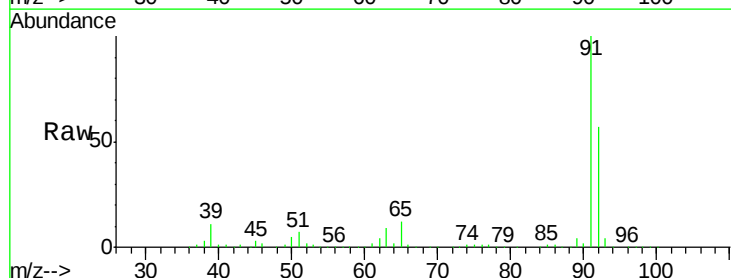
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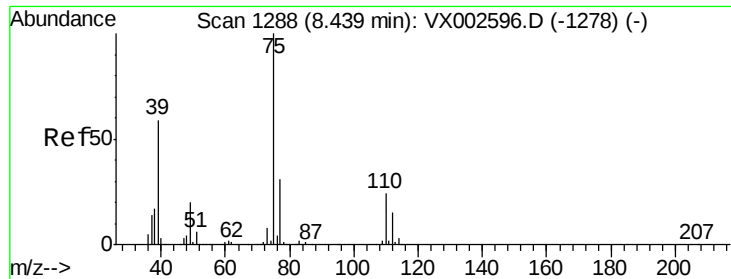
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#52
Toluene
Concen: 49.56 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion: 92 Resp: 354746
Ion Ratio Lower Upper
92 100
91 175.3 140.4 210.6





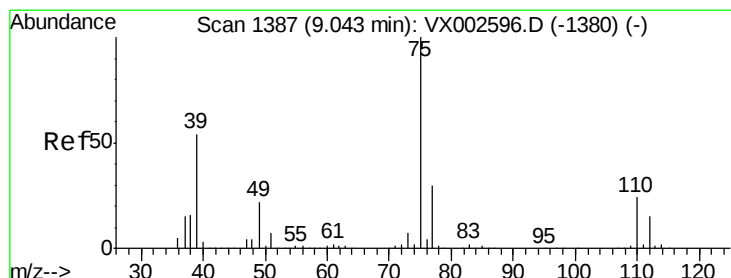
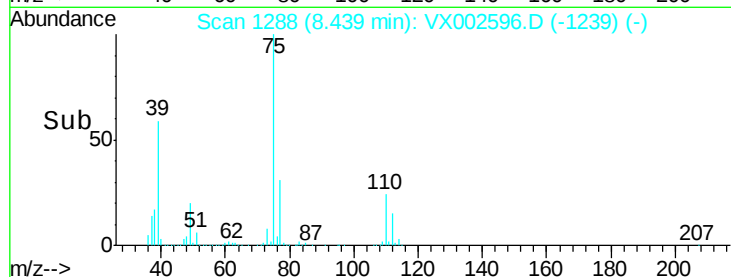
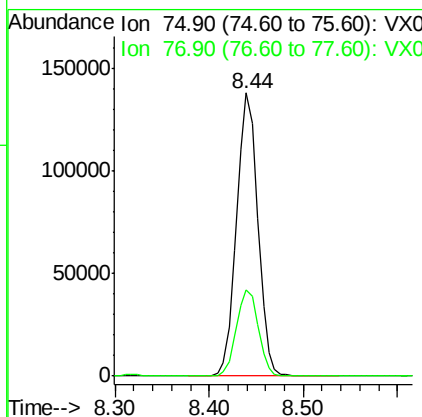
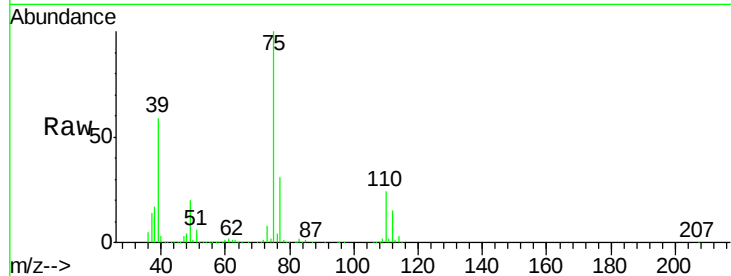
#53
t-1,3-Dichloropropene
Concen: 48.56 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2

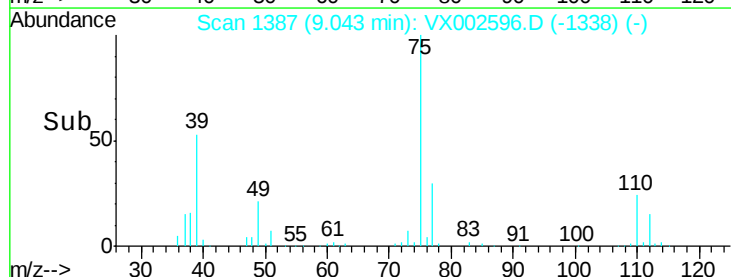
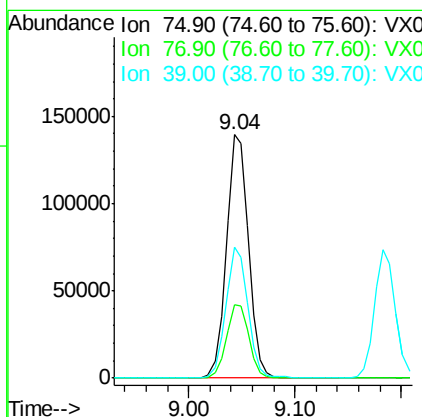
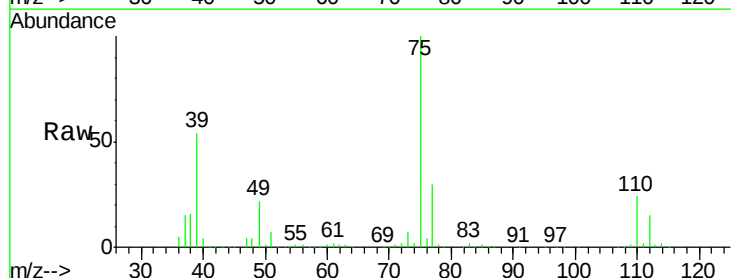
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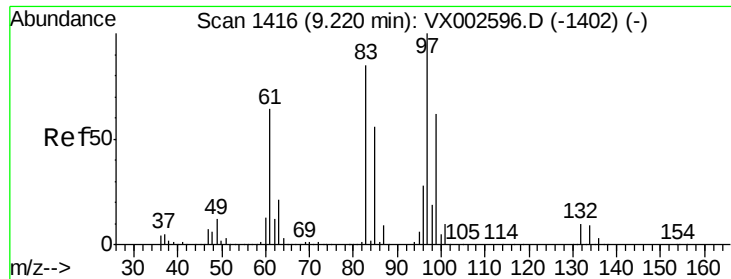
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#54
cis-1,3-Dichloropropene
Concen: 47.89 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.8	37.2
39	53.6	42.4	63.6





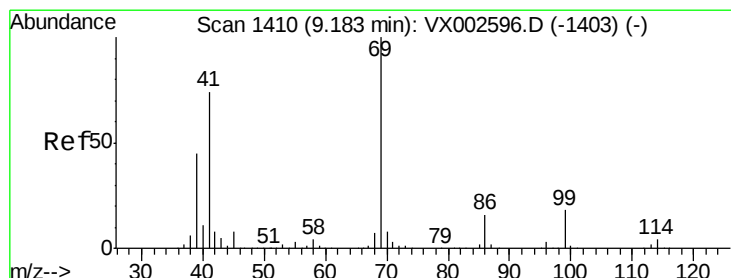
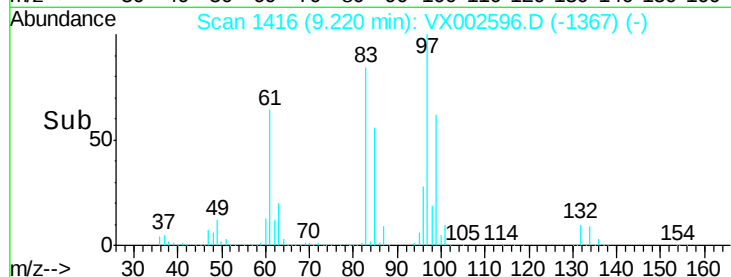
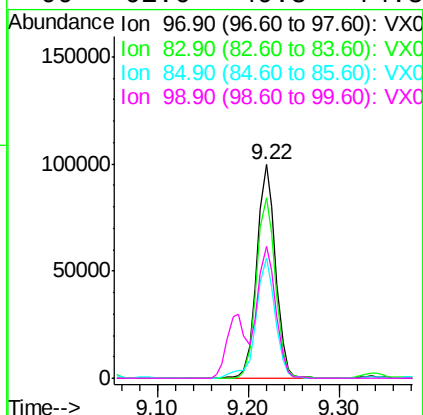
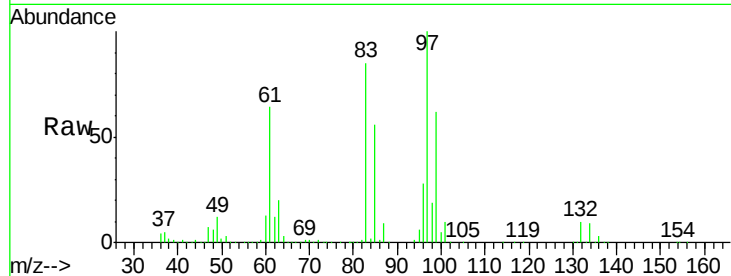
#55
 1,1,2-Trichloroethane
 Concen: 48.43 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	142568
Ion	Ratio	Lower	Upper
97	100		
83	84.5	70.2	105.2
85	56.3	44.9	67.3
99	61.6	49.8	74.8

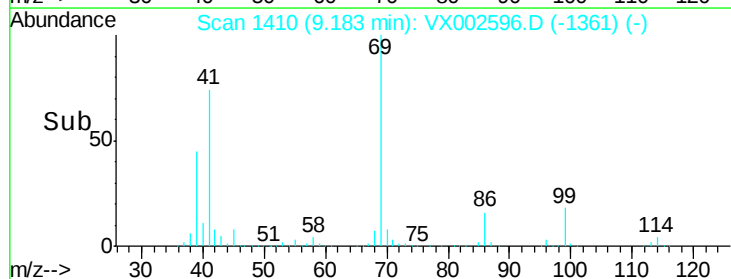
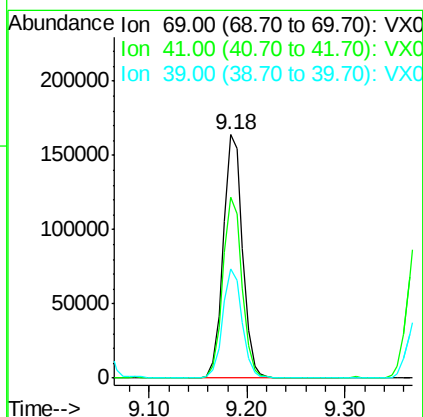
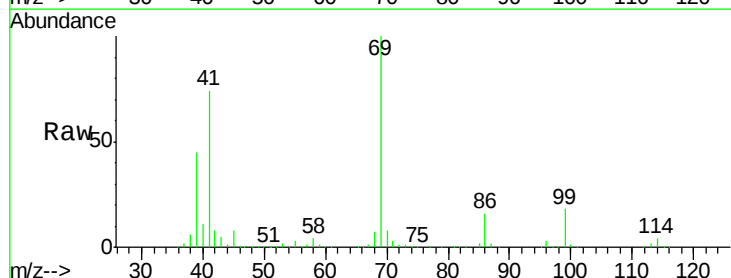
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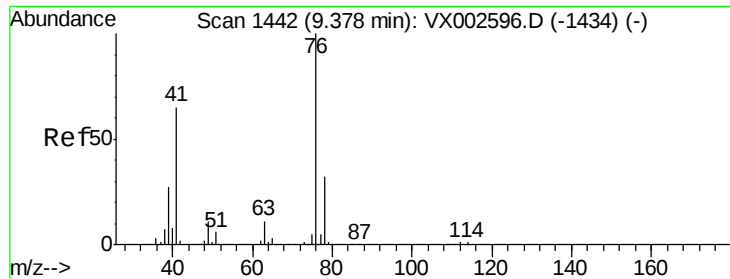
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#56
 Ethyl methacrylate
 Concen: 47.74 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion:	69	Resp:	224391
Ion	Ratio	Lower	Upper
69	100		
41	73.7	60.3	90.5
39	45.0	35.8	53.8





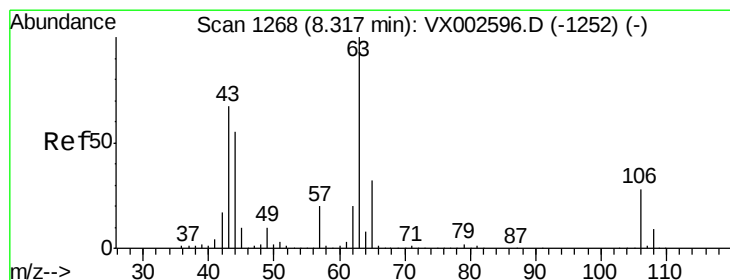
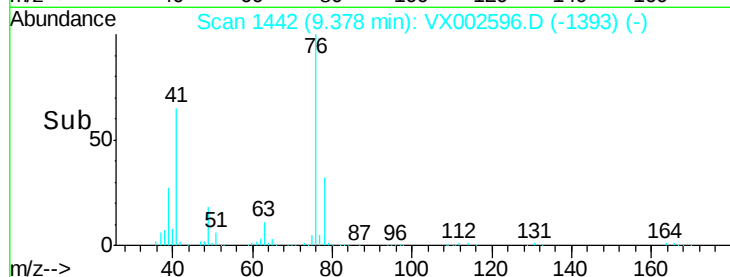
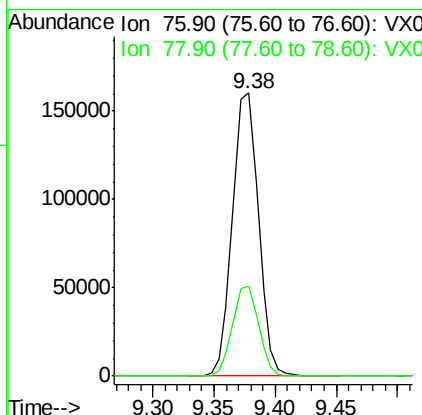
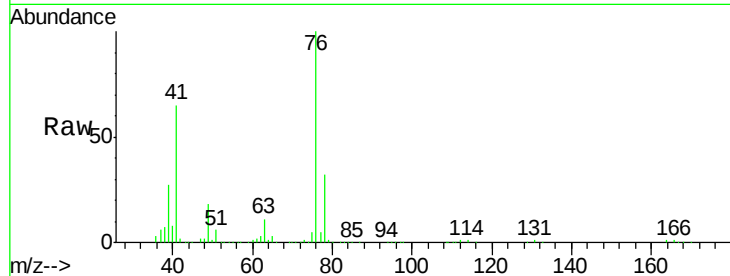
#57
 1,3-Dichloropropane
 Concen: 47.93 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 236742
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

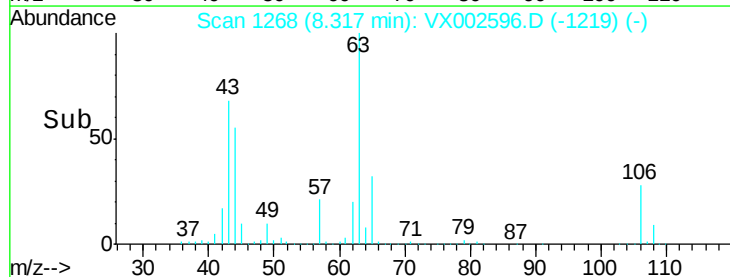
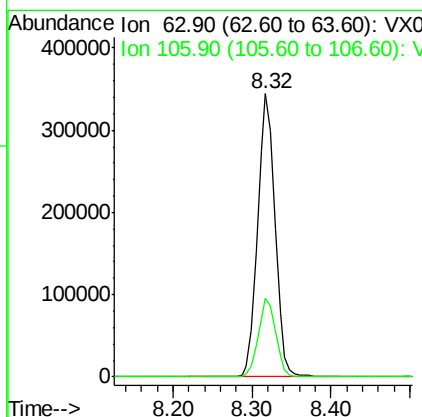
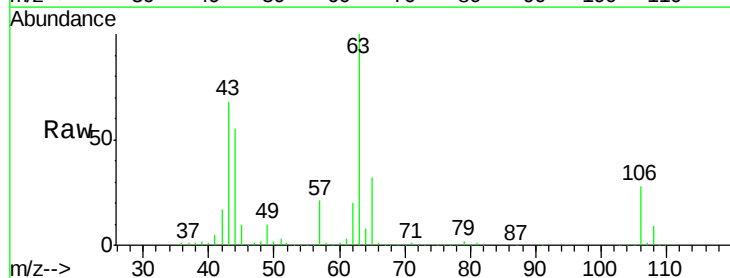
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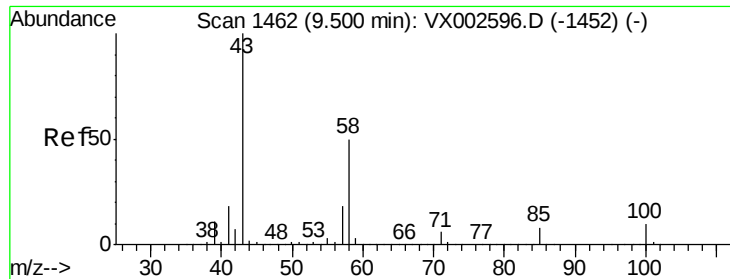
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#58
 2-Chloroethyl Vinyl ether
 Concen: 243.69 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion: 63 Resp: 530131
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.8 32.8





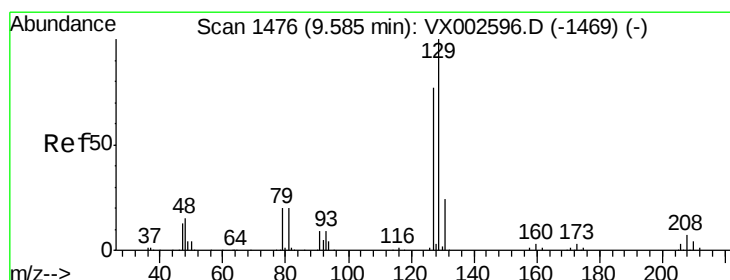
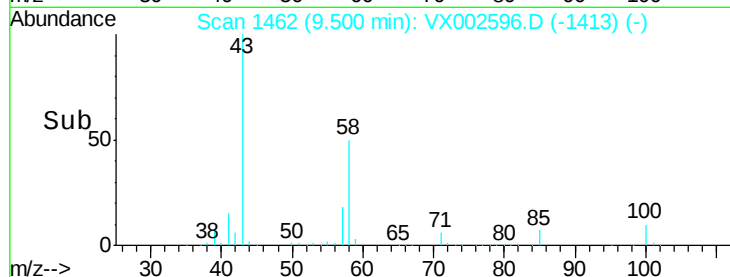
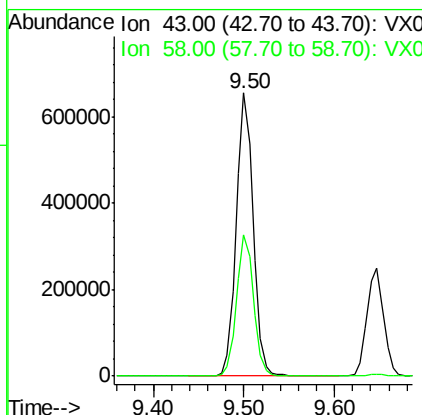
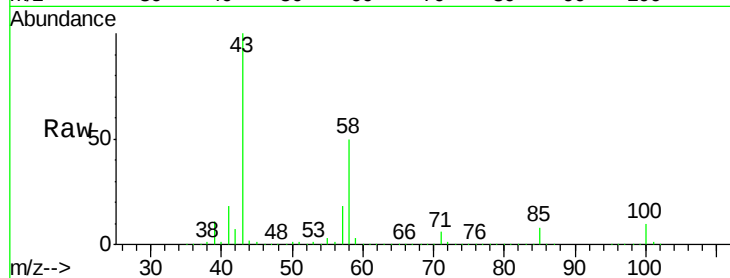
#59
2-Hexanone
Concen: 234.73 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.2	24.6	73.6

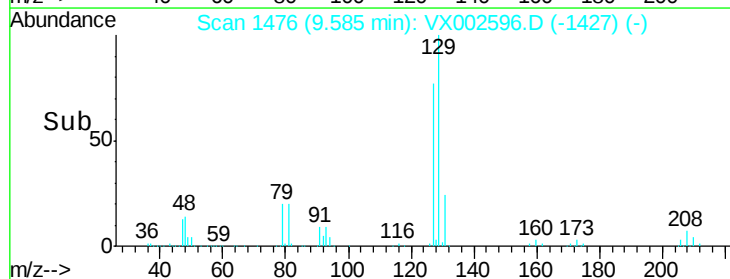
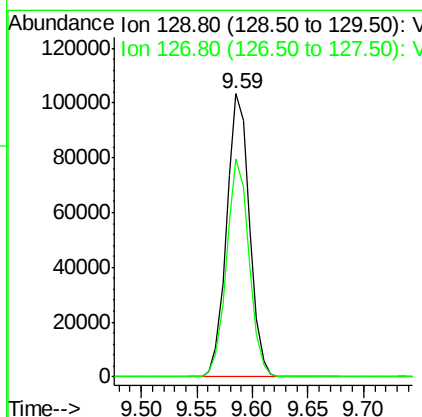
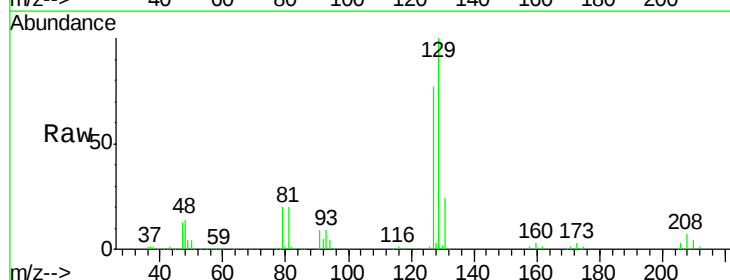
Manual Integrations
APPROVED

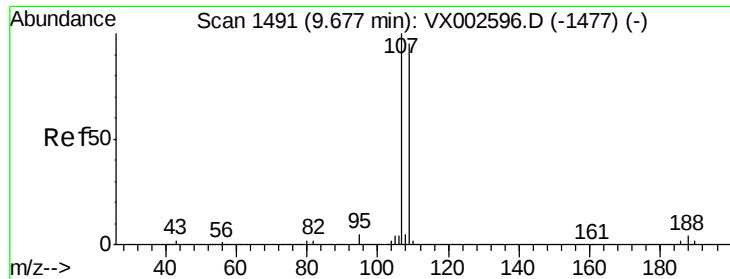
MMDadoda
6/18/2018 5:11:59 PM



#60
Dibromochloromethane
Concen: 49.42 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.3





#61

1,2-Dibromoethane

Concen: 49.29 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 151312

Ion Ratio Lower Upper

107 100

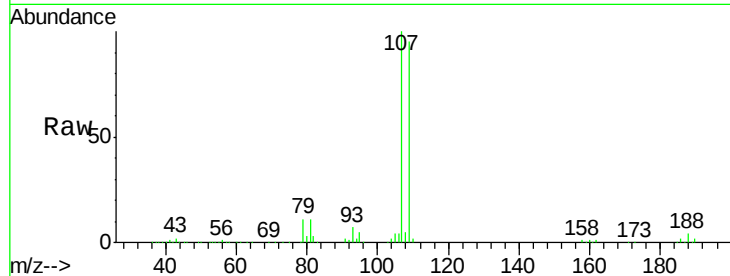
109 94.6 75.3 112.9

Manual Integrations

APPROVED

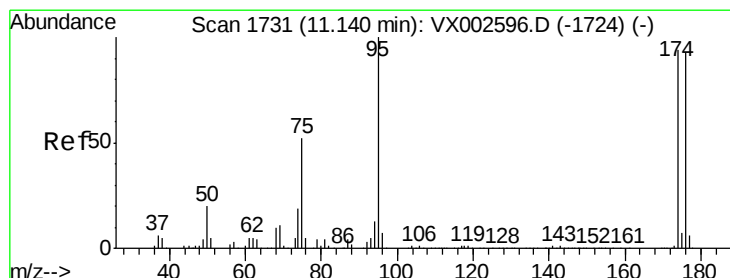
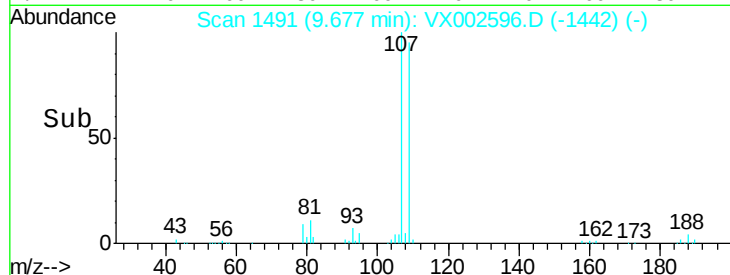
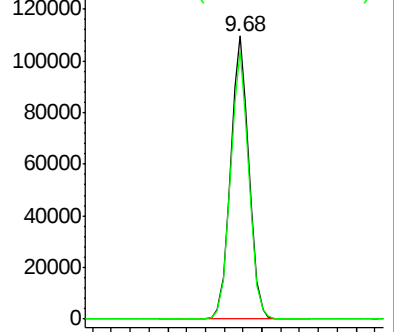
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

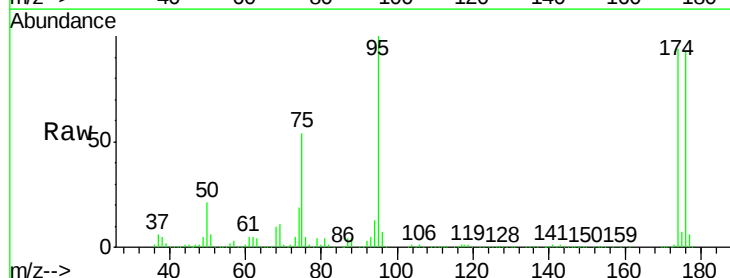
Tgt Ion: 95 Resp: 199069

Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

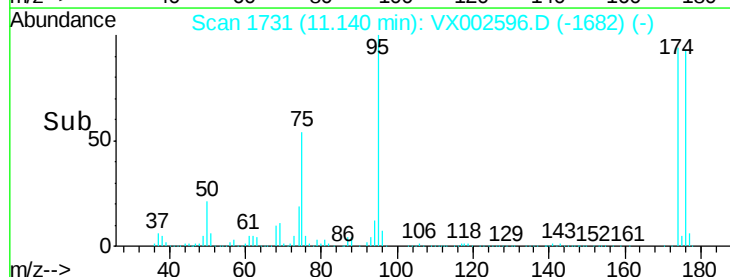
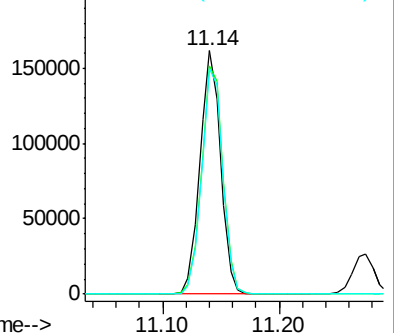
176 94.6 0.0 181.0



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





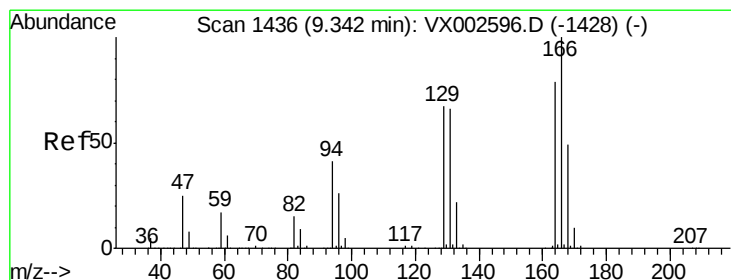
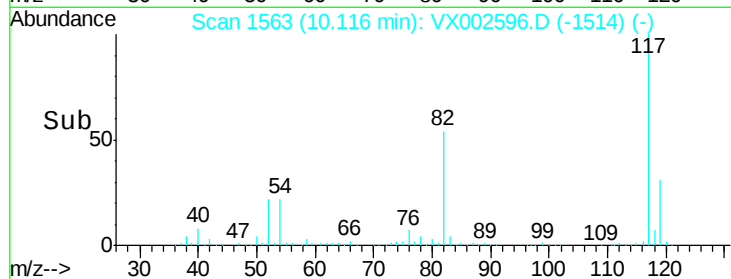
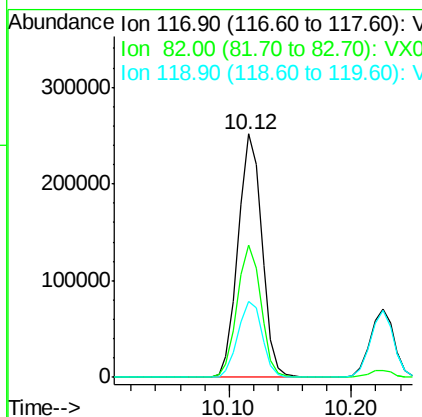
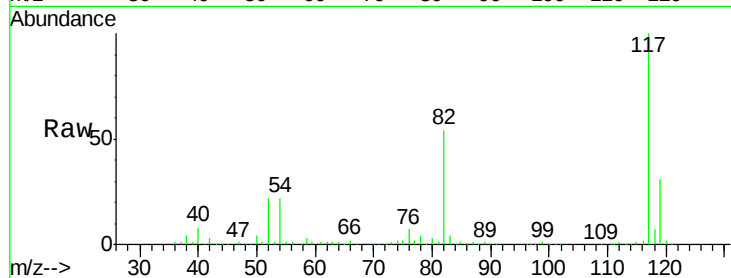
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.0	67.4
119	31.4	25.8	38.6

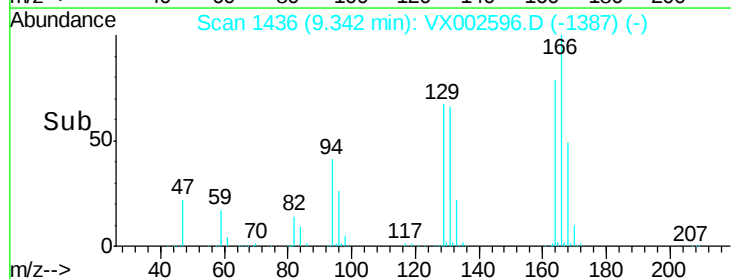
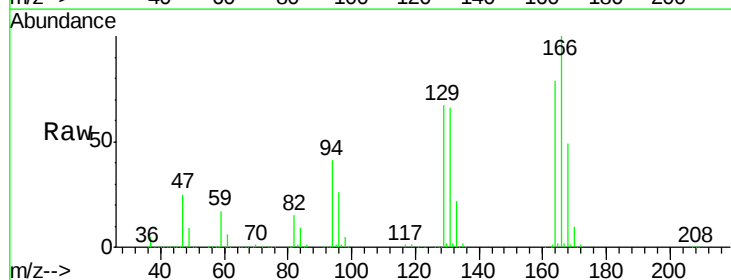
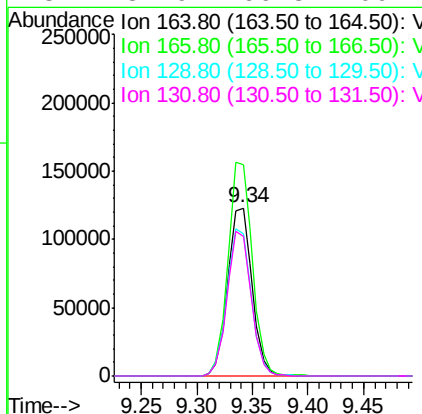
Manual Integrations
APPROVED

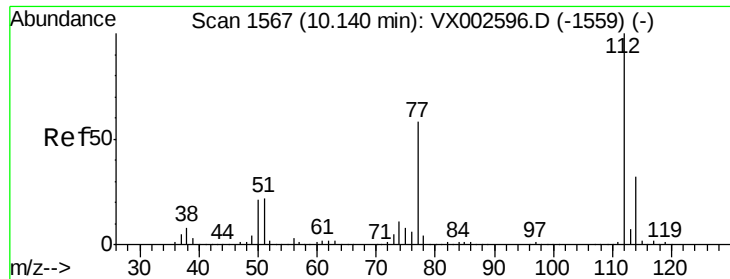
MMDadoda
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#64
Tetrachloroethene
Concen: 53.31 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.1	102.9	154.3
129	84.4	68.6	102.8
131	82.9	66.8	100.2





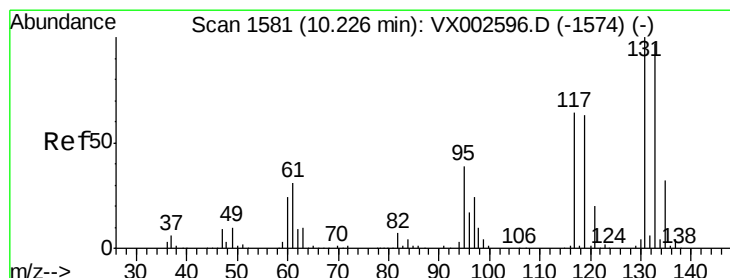
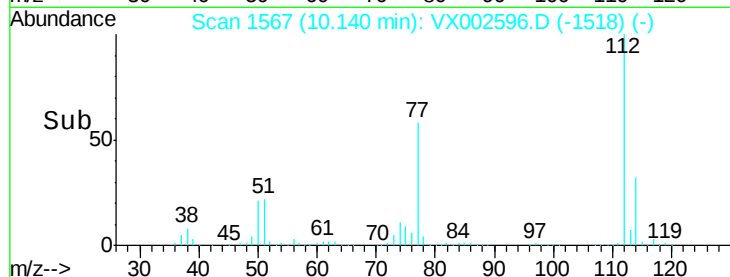
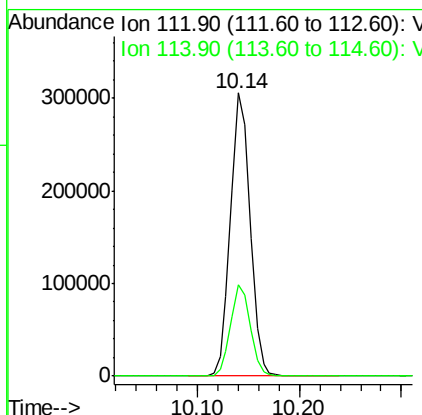
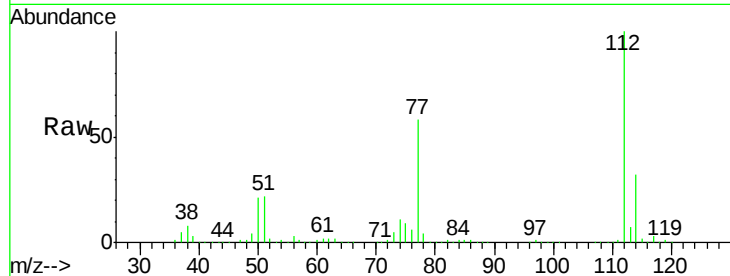
#65
Chlorobenzene
Concen: 48.32 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 406665
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

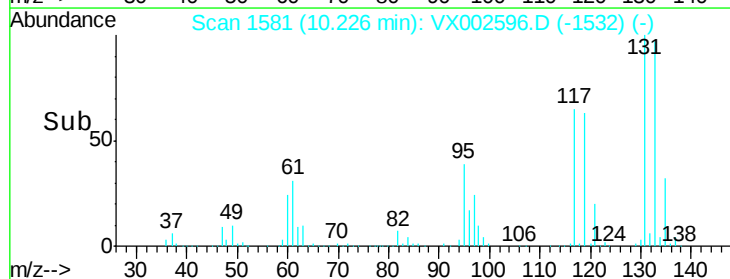
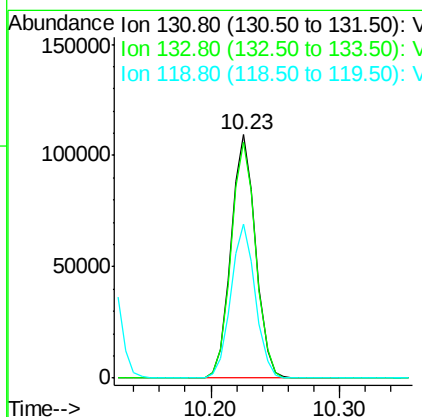
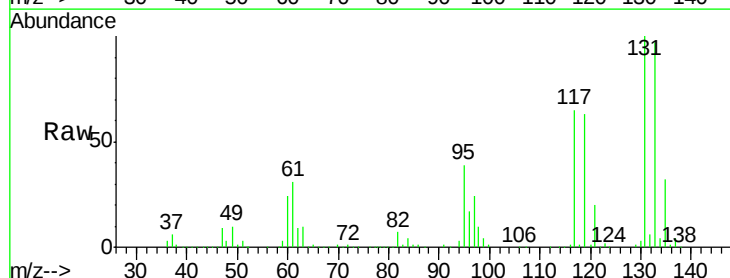
Manual Integrations
APPROVED

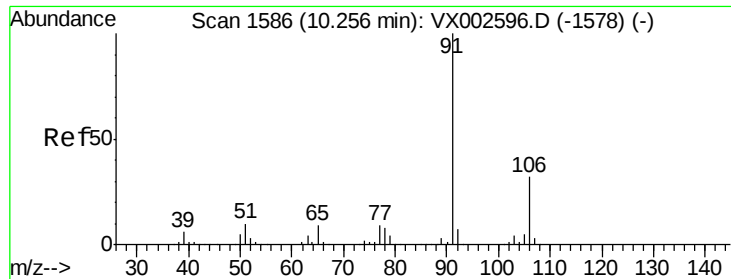
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.82 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion:131 Resp: 145729
Ion Ratio Lower Upper
131 100
133 97.6 47.9 143.6
119 63.2 31.8 95.3





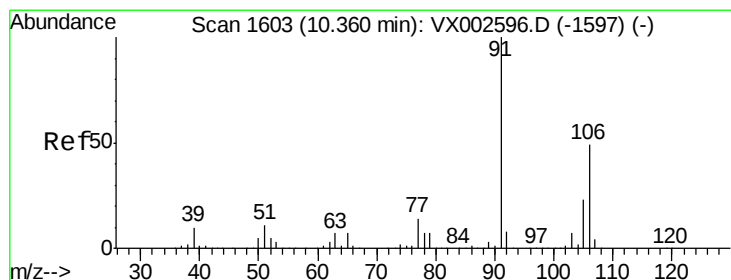
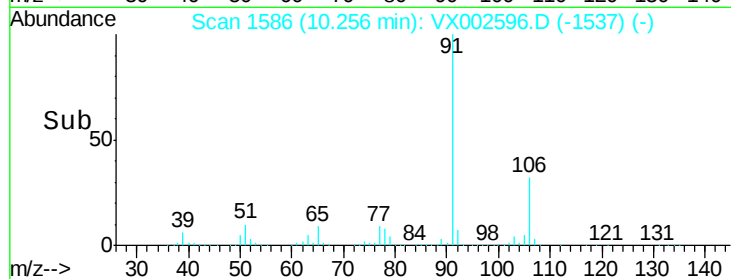
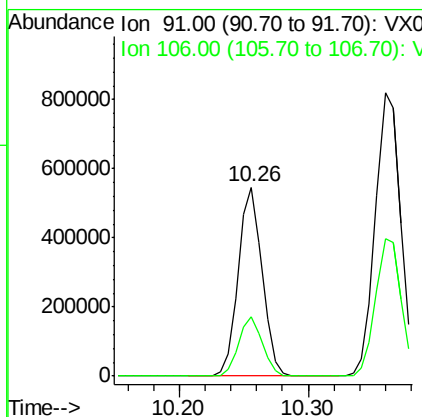
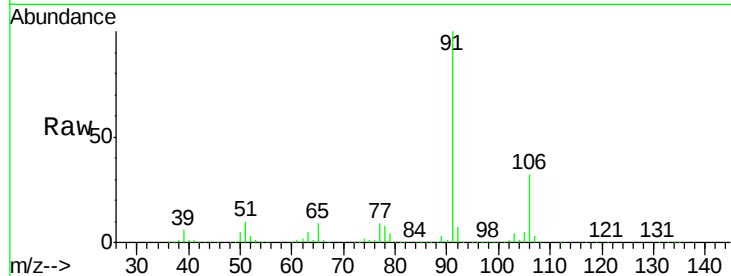
#67
Ethyl Benzene
Concen: 50.12 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 705895
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

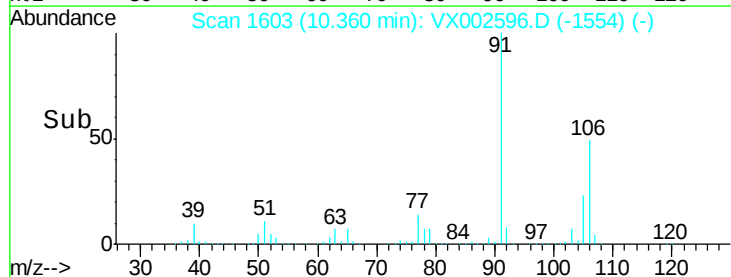
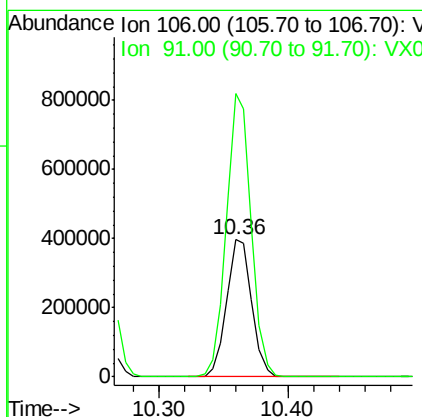
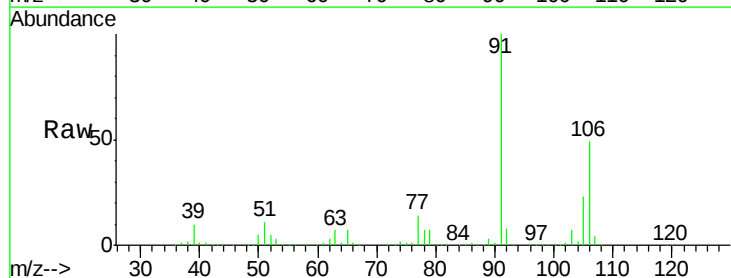
Manual Integrations
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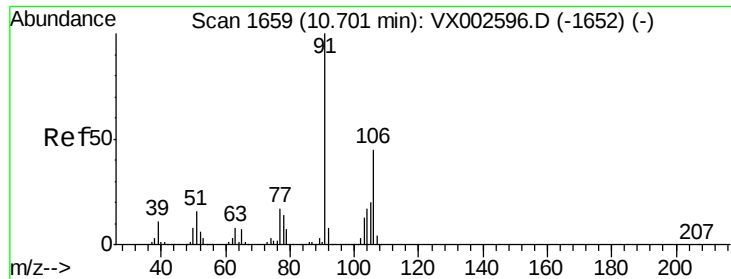
MMDadoda
6/18/2018 5:11:59 PM



#68
m/p-Xylenes
Concen: 99.30 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion: 106 Resp: 543637
Ion Ratio Lower Upper
106 100
91 203.7 163.4 245.2





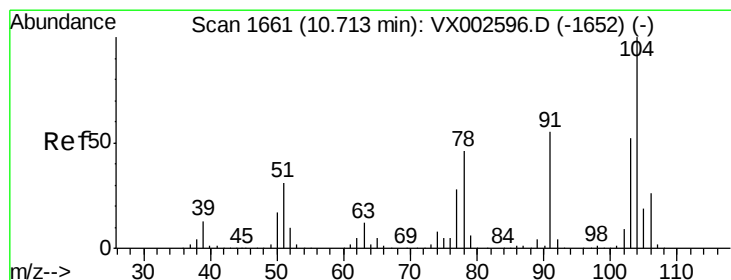
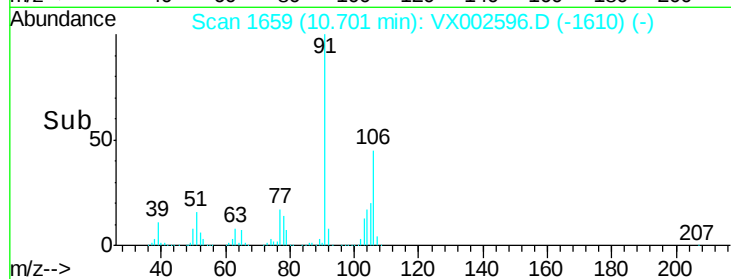
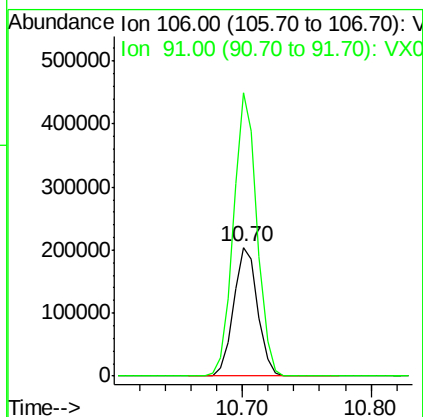
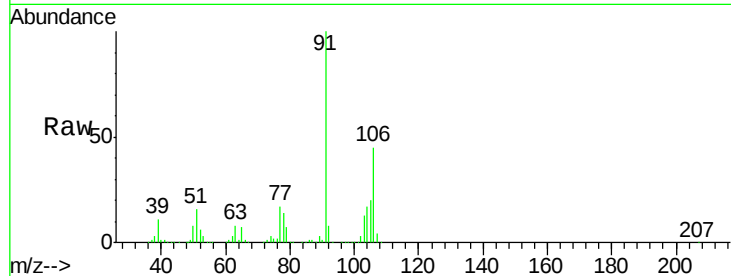
#69
o-Xylene
Concen: 48.40 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		263701		
91	216.6	108.2	324.6		

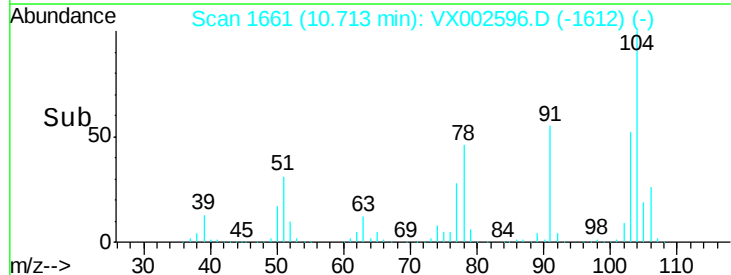
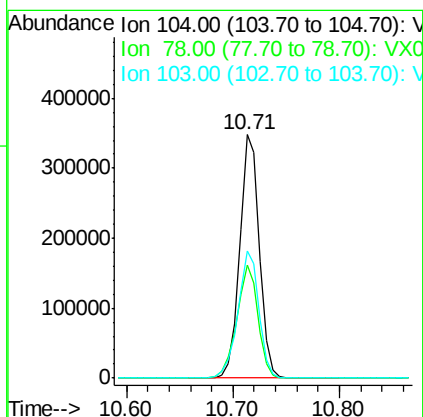
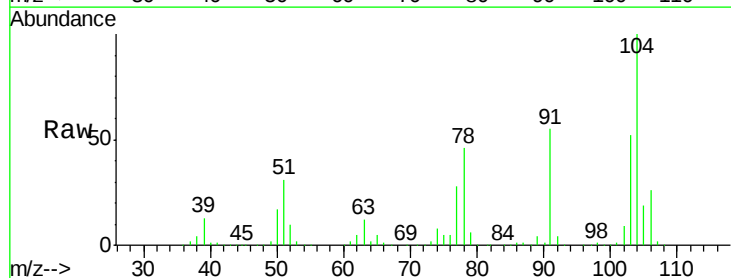
Manual Integrations
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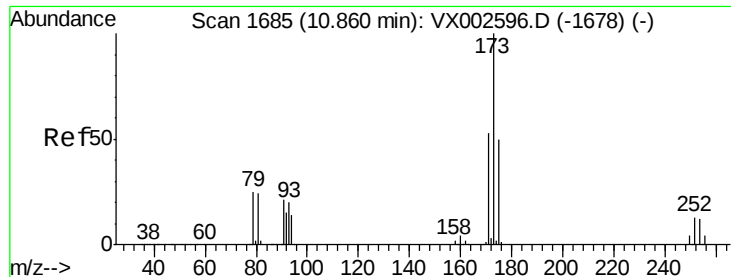
MMDadoda
6/18/2018 5:11:59 PM



#70
Styrene
Concen: 50.29 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		447921		
78	50.3	41.0	61.6		
103	55.8	44.2	66.4		





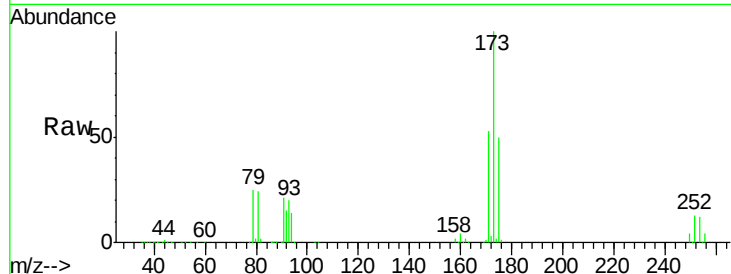
#71
Bromoform
Concen: 46.29 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

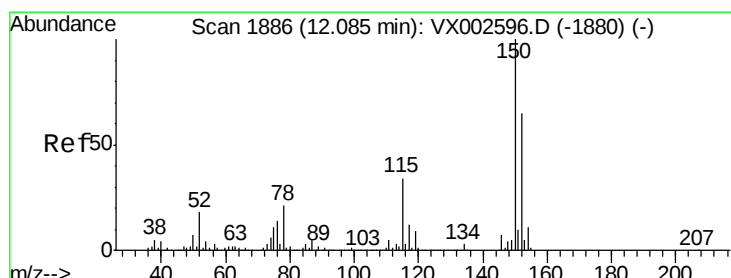
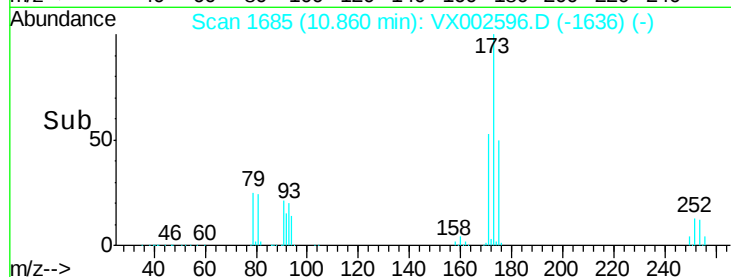
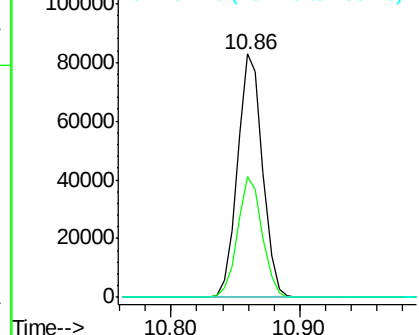
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
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6/18/2018 5:11:59 PM

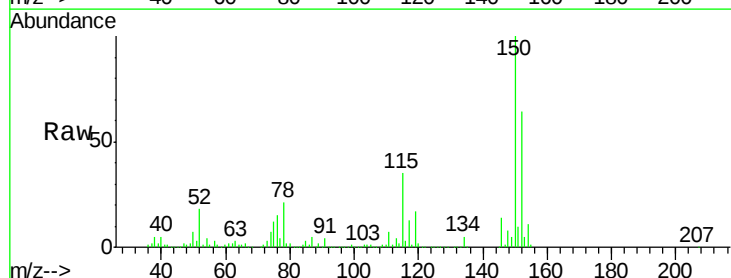


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

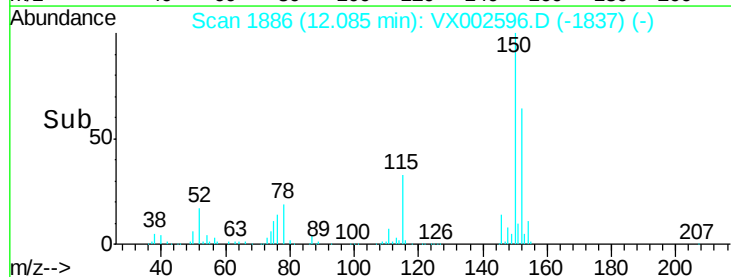
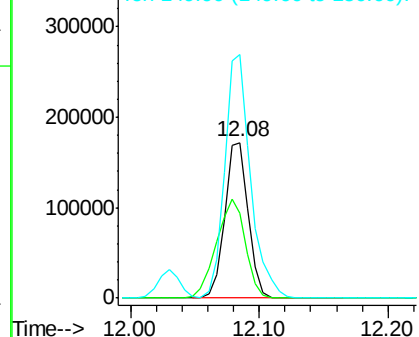


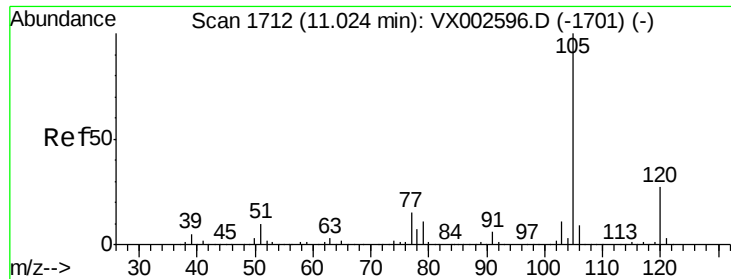
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.5	40.1	120.2
150	173.0	0.0	347.2



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: 47.72 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 727952

Ion Ratio Lower Upper

105 100

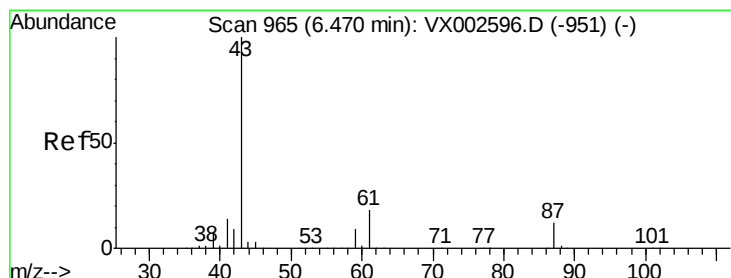
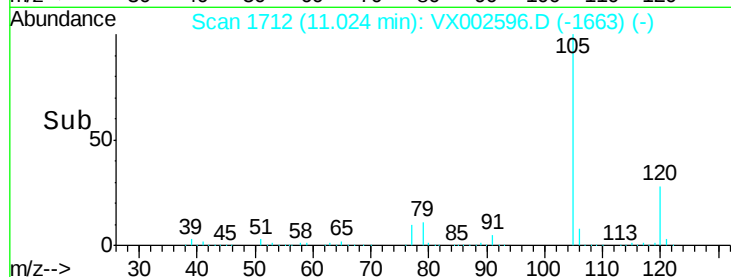
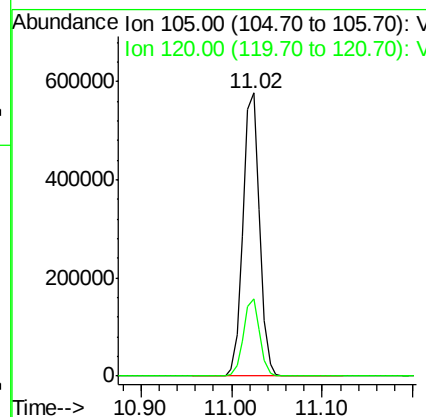
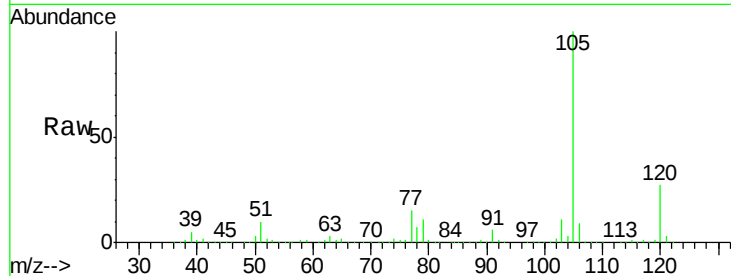
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 41.82 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Tgt Ion: 43 Resp: 343730

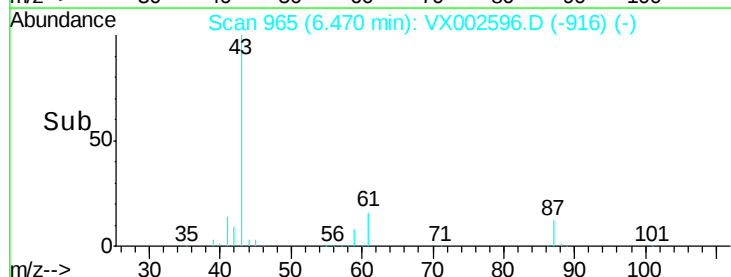
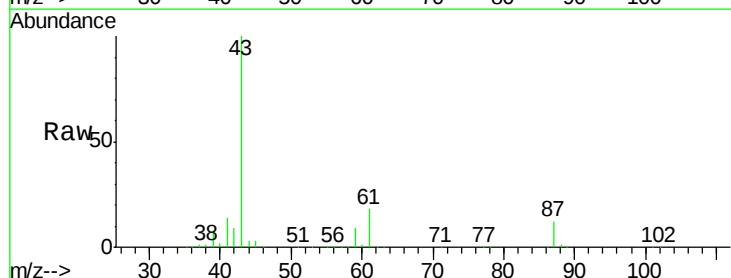
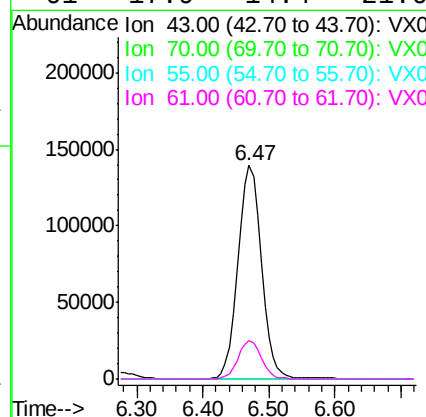
Ion Ratio Lower Upper

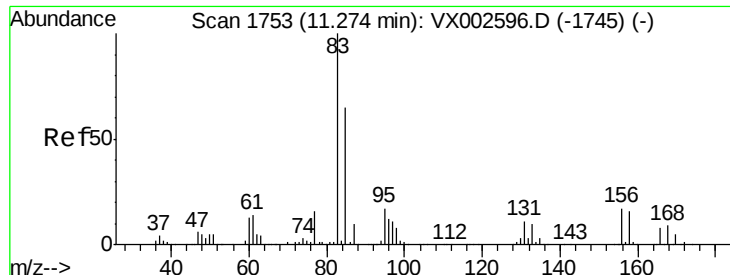
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 17.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 42.92 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 205912

Ion Ratio Lower Upper

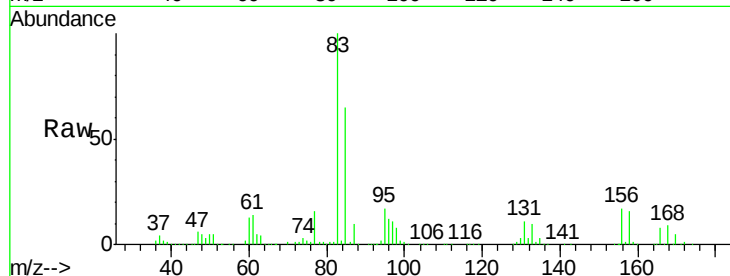
83 100

131 10.7 5.6 16.8

85 64.0 32.4 97.2

Manual Integrations
APPROVED

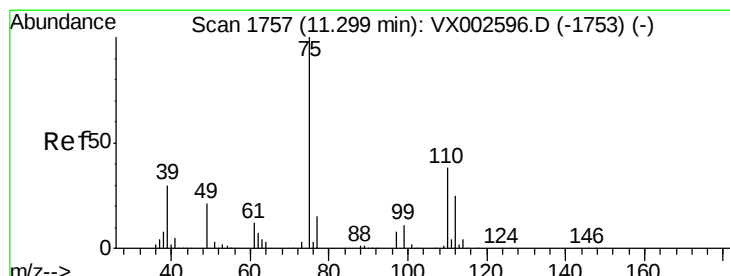
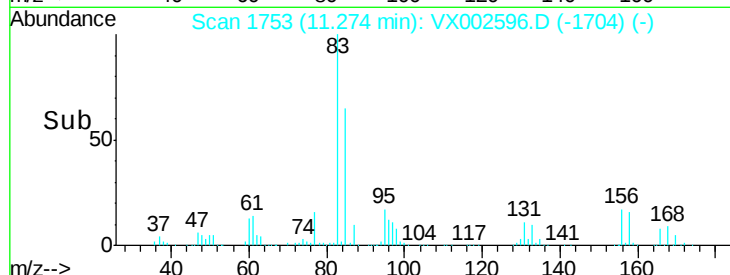
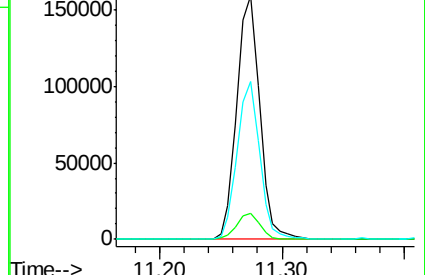
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 39.01 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX002596.D

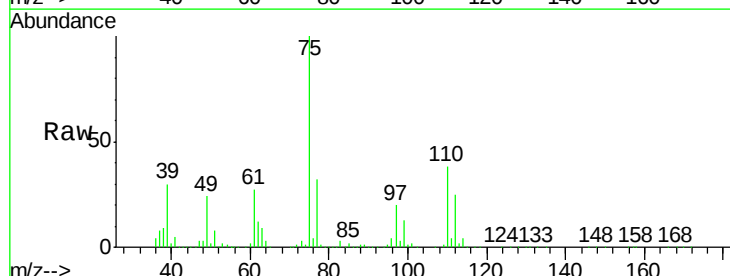
Acq: 15 Jun 2018 12:55

Tgt Ion: 75 Resp: 187712

Ion Ratio Lower Upper

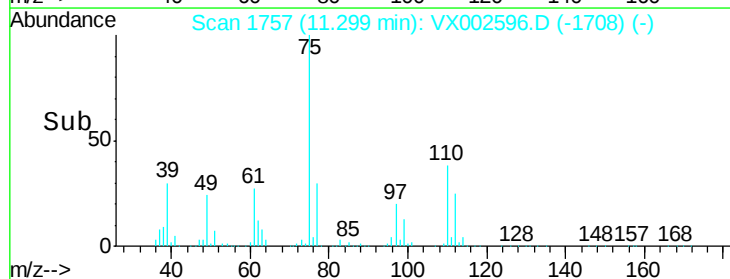
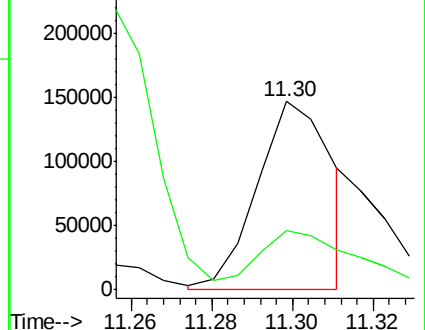
75 100

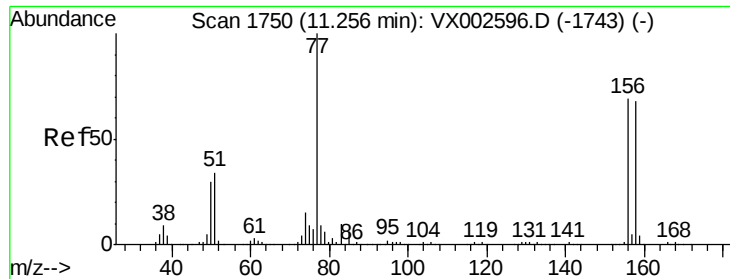
77 42.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.93 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 196728

Ion Ratio Lower Upper

156 100

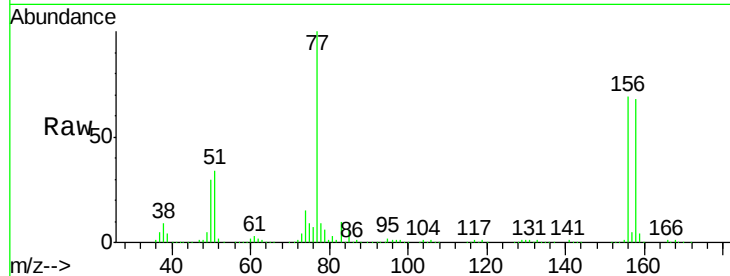
77 139.5 71.4 214.2

158 98.3 48.9 146.6

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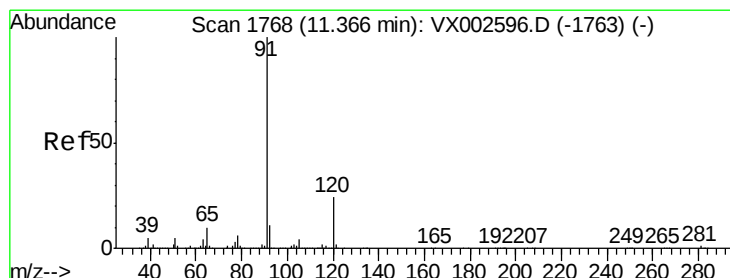
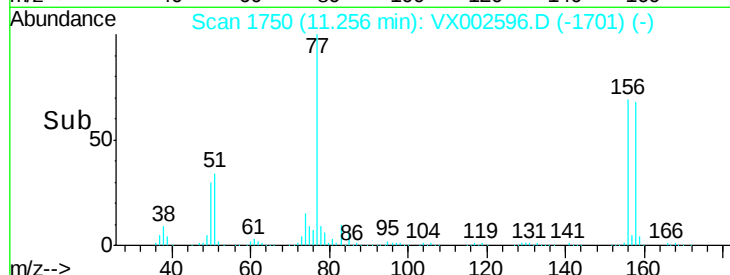
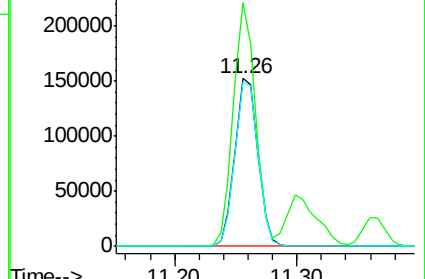
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.31 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002596.D

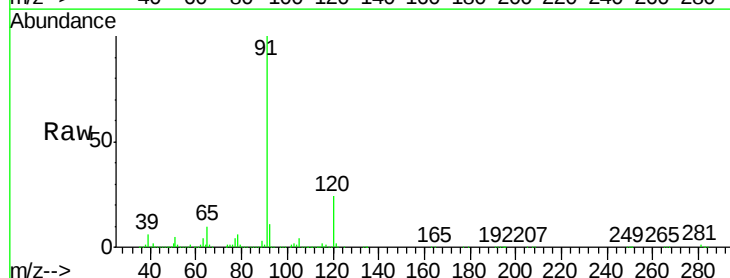
Acq: 15 Jun 2018 12:55

Tgt Ion: 91 Resp: 836115

Ion Ratio Lower Upper

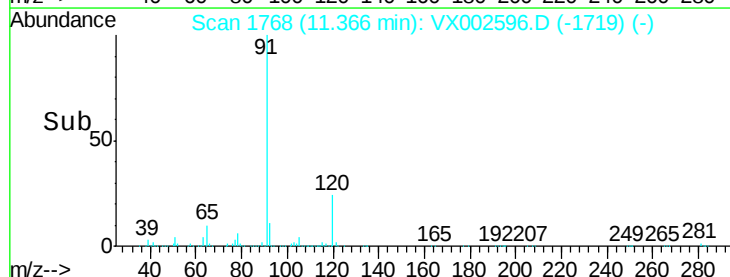
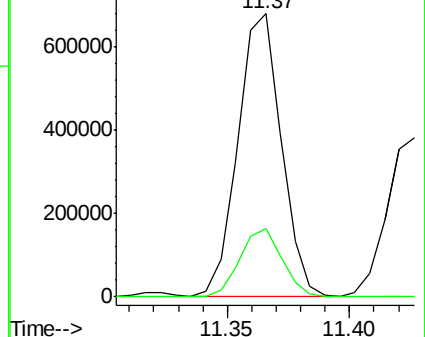
91 100

120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





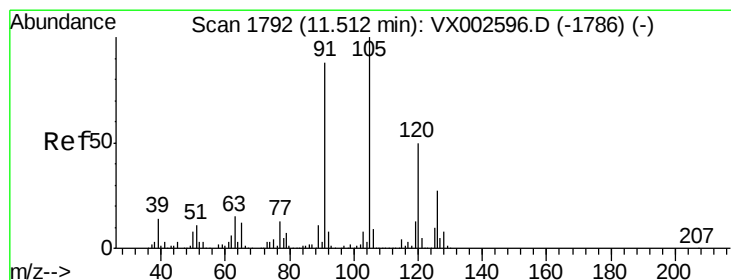
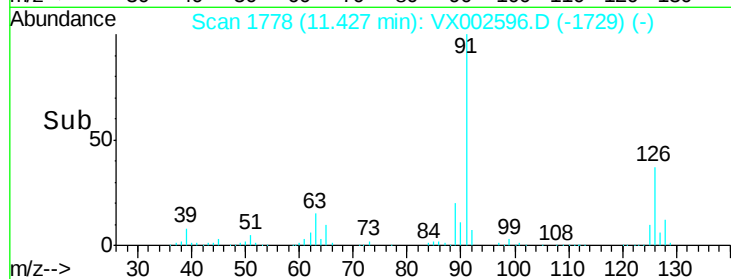
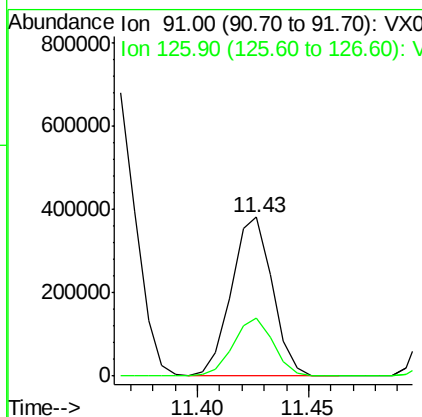
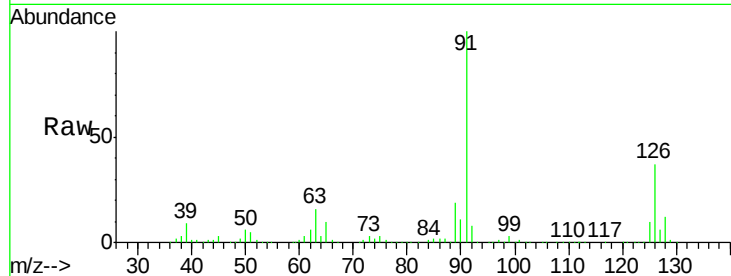
#79
 2-Chlorotoluene
 Concen: 45.27 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 484650
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.7 53.1

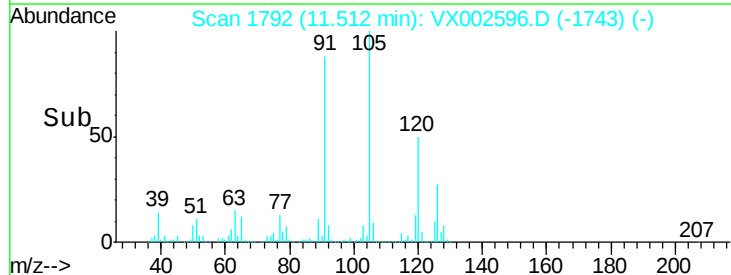
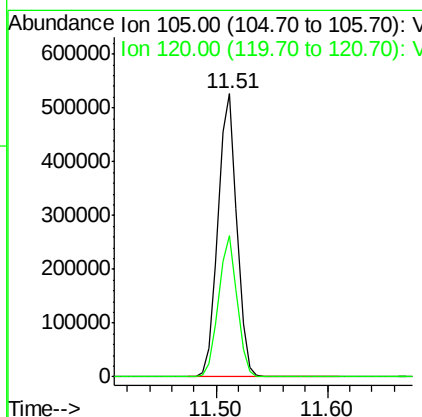
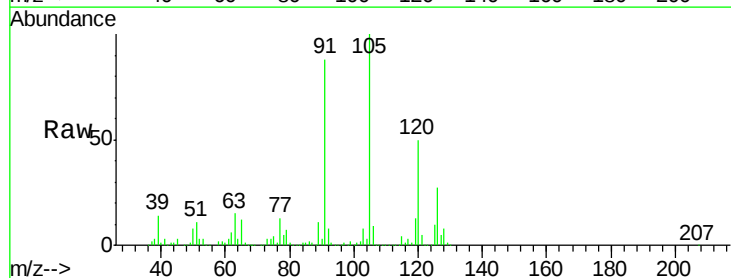
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.15 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion: 105 Resp: 616954
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.4 73.4





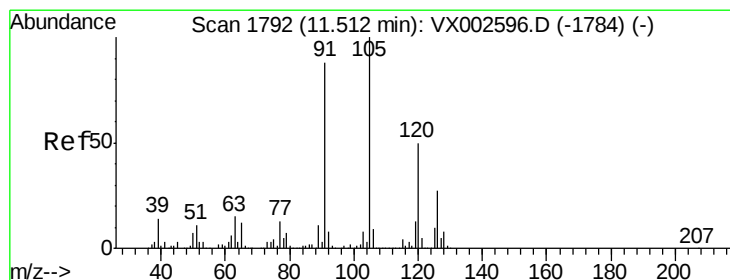
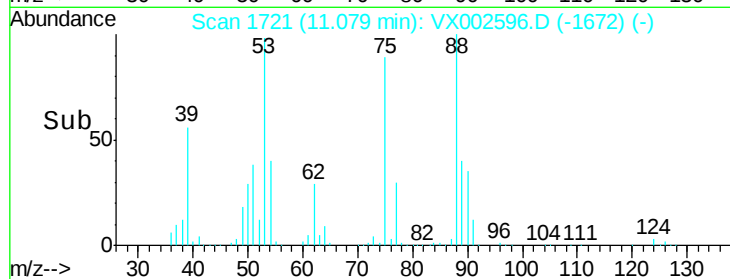
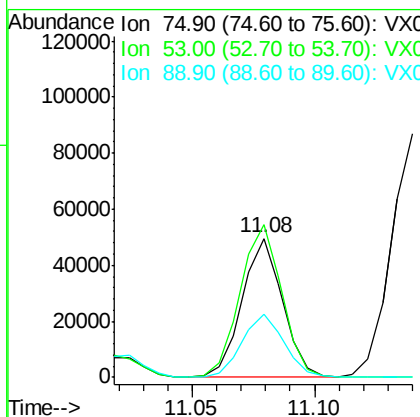
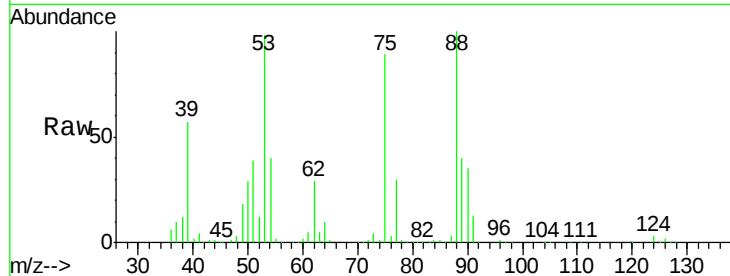
#81
trans-1,4-Dichloro-2-butene
Concen: 41.43 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.8	86.8	130.2
89	48.1	38.2	57.2

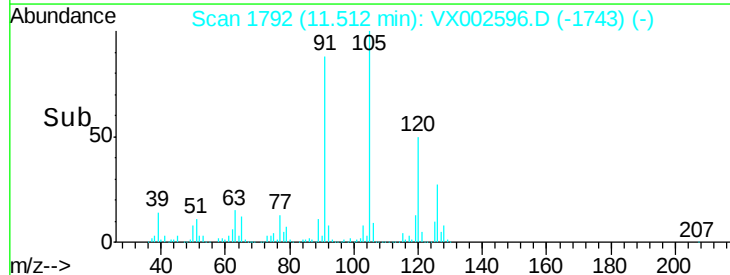
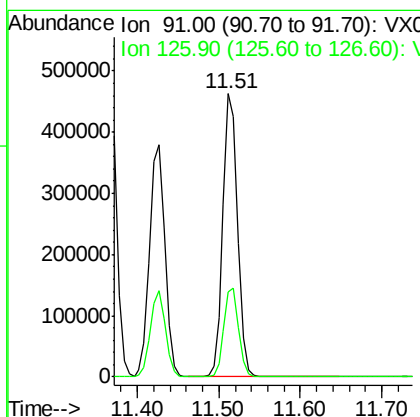
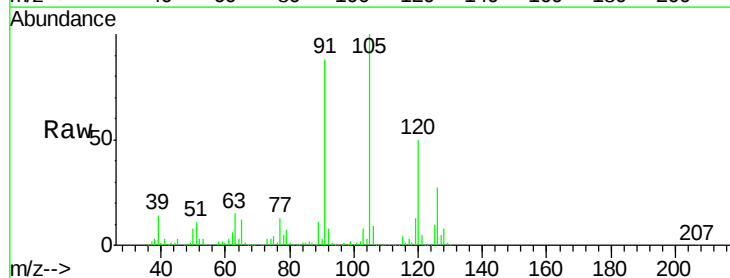
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#82
4-Chlorotoluene
Concen: 47.12 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.4	46.4





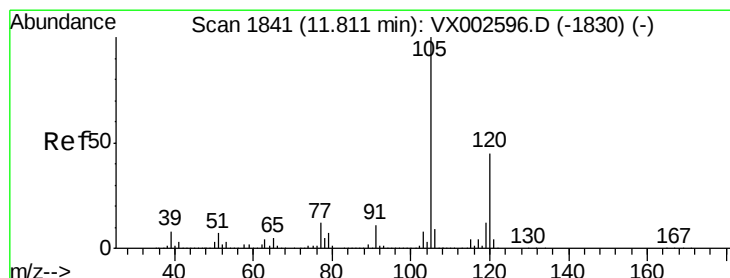
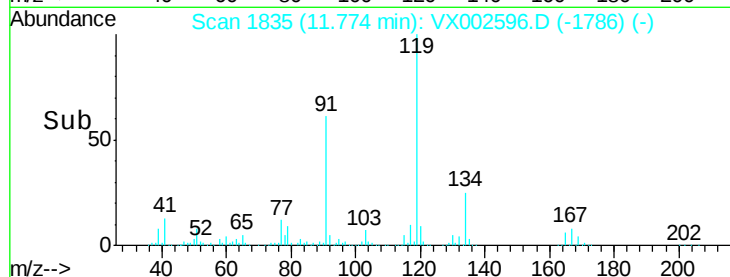
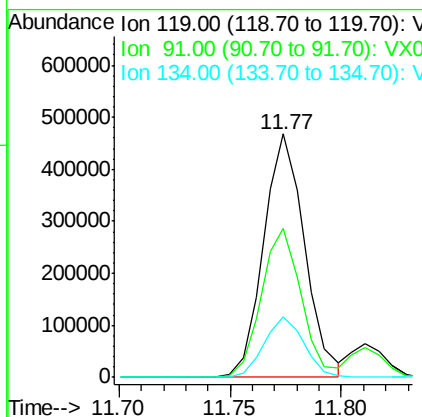
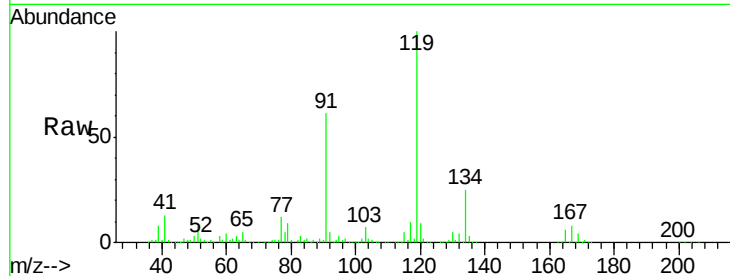
#83
 tert-Butylbenzene
 Concen: 46.80 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.3	90.9
134	24.0	11.7	35.1

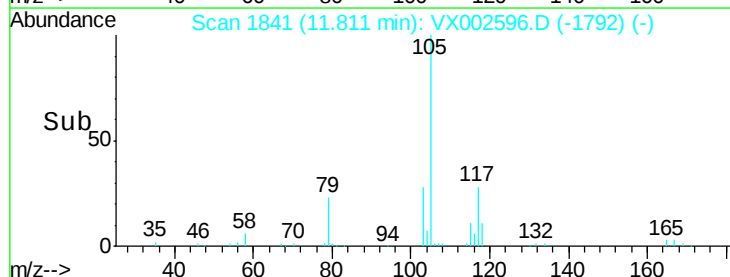
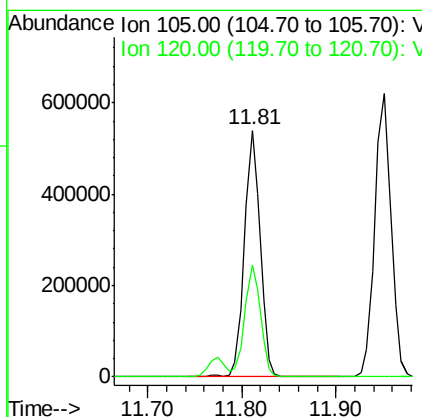
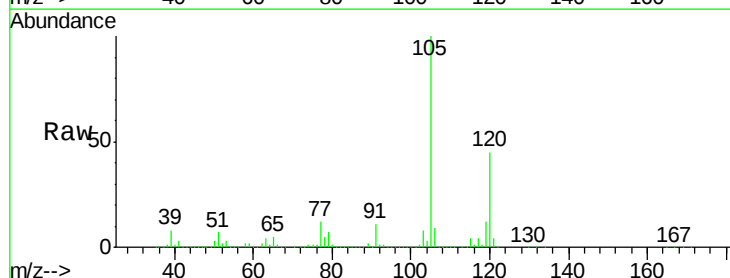
Manual Integrations
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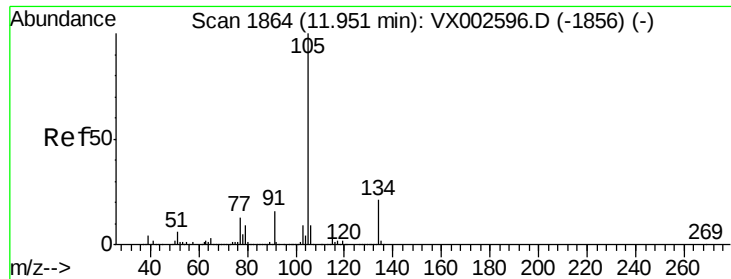
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.84 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.8





#85

sec-Butylbenzene

Concen: 50.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 748640

Ion Ratio Lower Upper

105 100

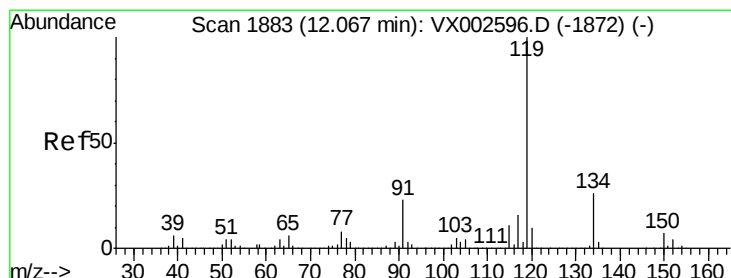
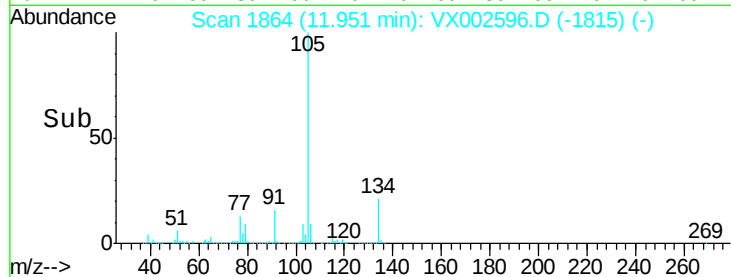
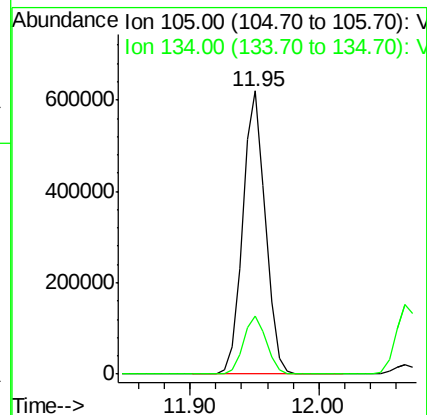
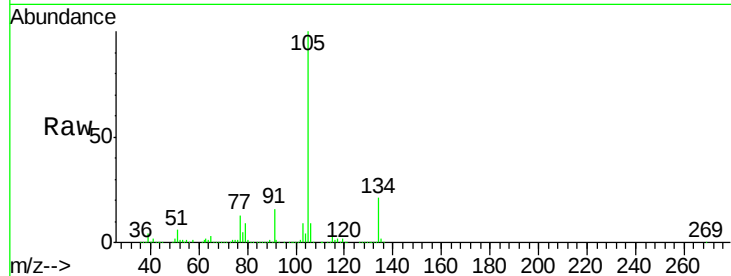
134 21.0 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.75 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

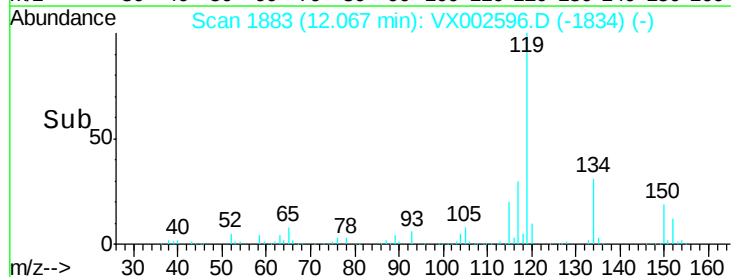
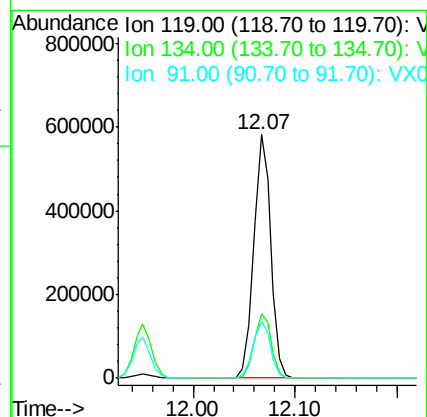
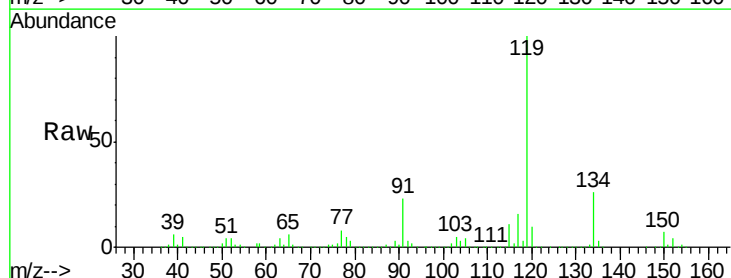
Tgt Ion:119 Resp: 676917

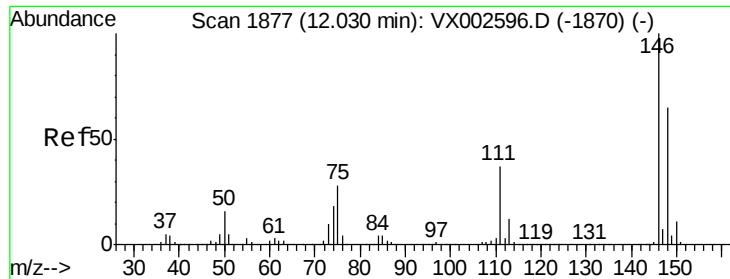
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.7 11.9 35.7





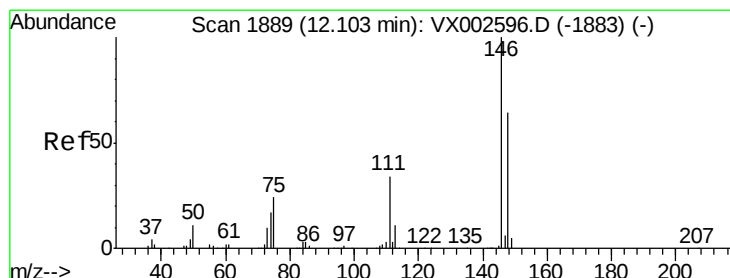
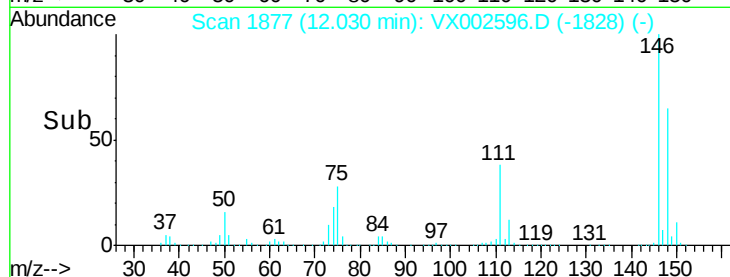
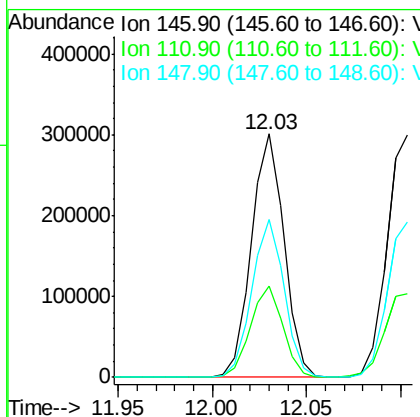
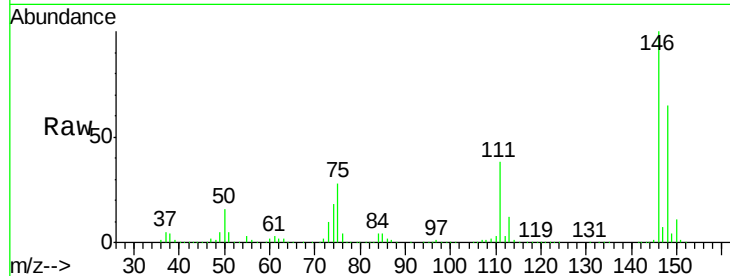
#87
 1,3-Dichlorobenzene
 Concen: 47.33 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.7
148	64.1	32.1	96.3

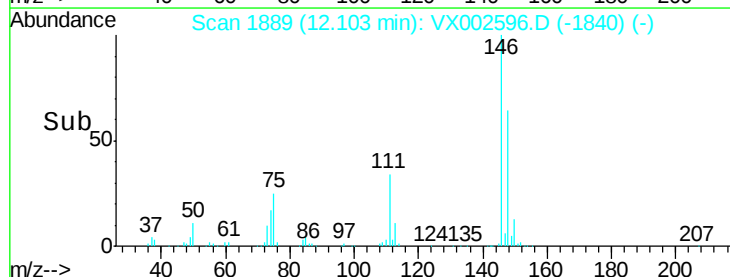
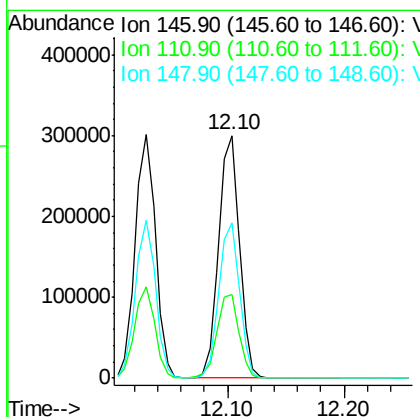
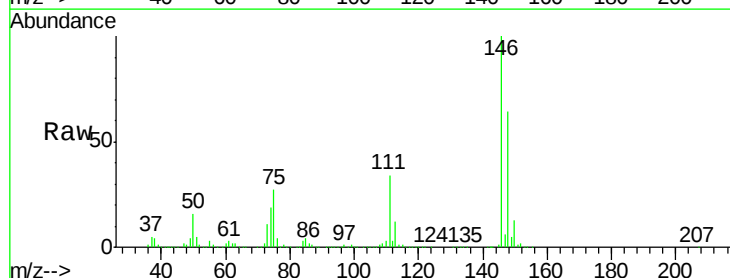
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#88
 1,4-Dichlorobenzene
 Concen: 46.71 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.7	56.1
148	64.0	32.4	97.0





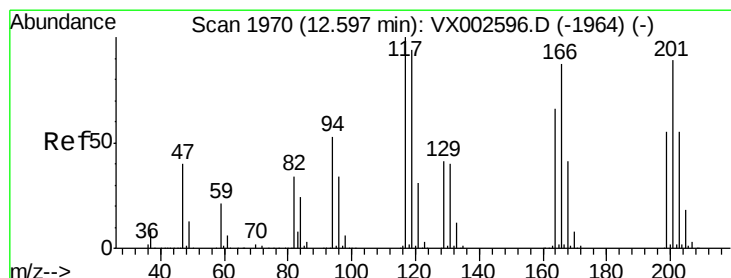
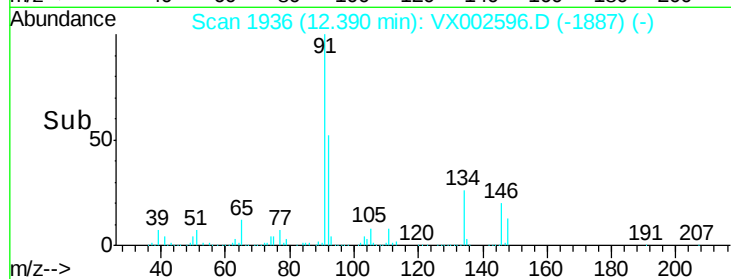
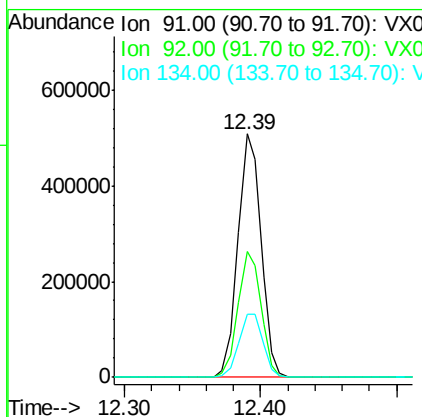
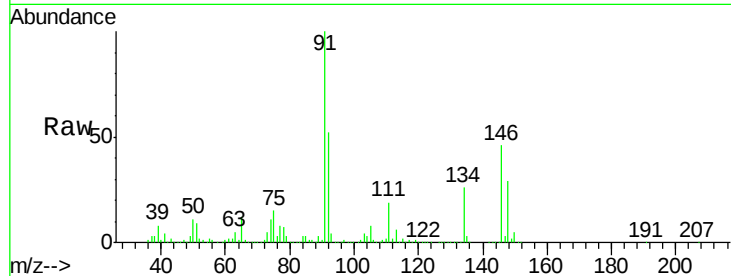
#89
n-Butylbenzene
Concen: 52.69 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	27.1	13.5	40.5

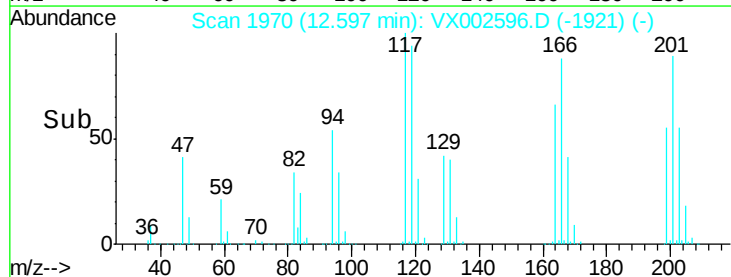
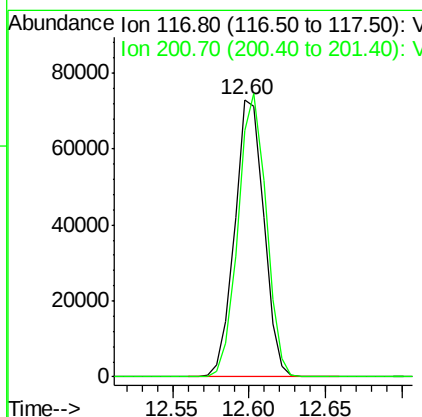
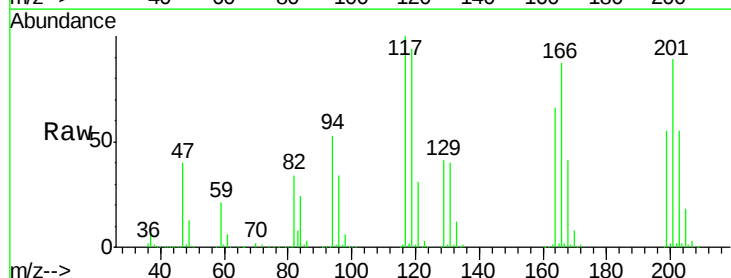
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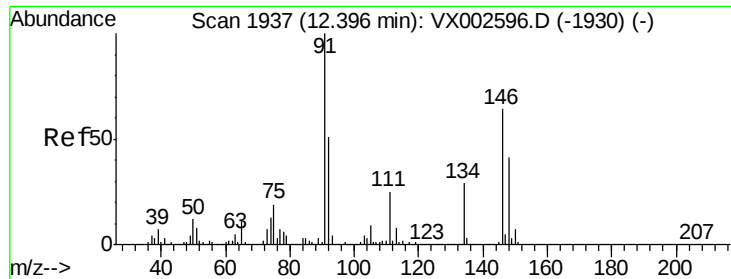
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#90
Hexachloroethane
Concen: 44.42 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX002596.D
Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.2	49.0	147.0





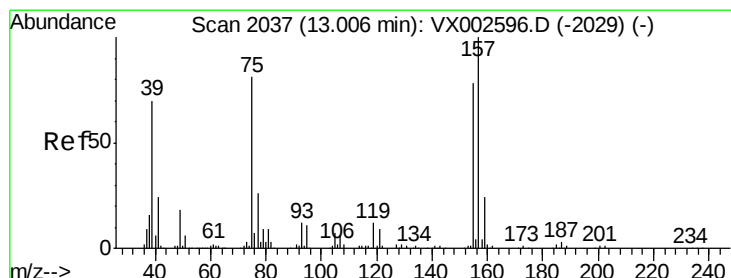
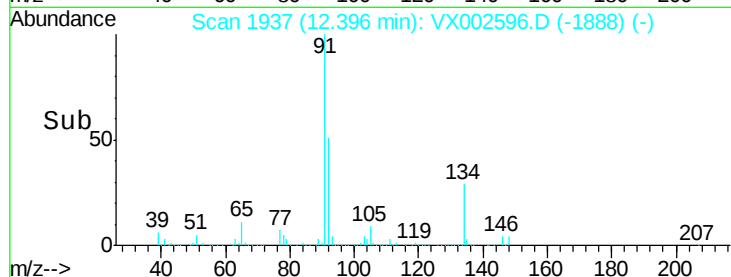
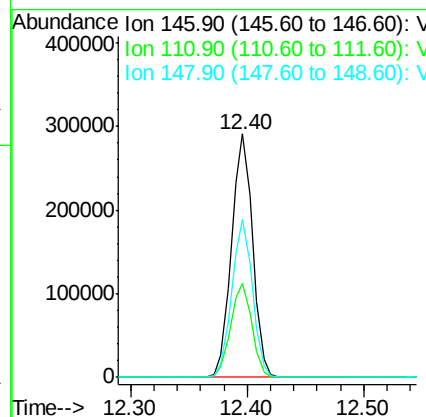
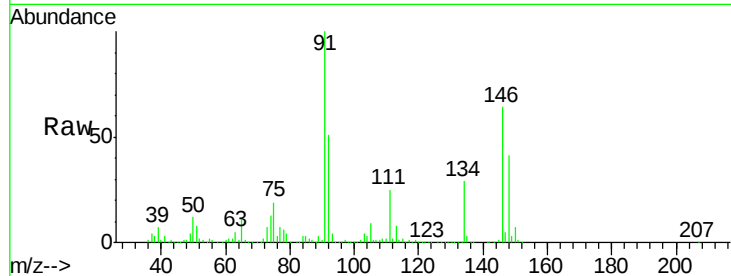
#91
 1,2-Dichlorobenzene
 Concen: 45.96 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	364123		
111	38.7	19.4	58.1	
148	63.7	31.7	95.1	

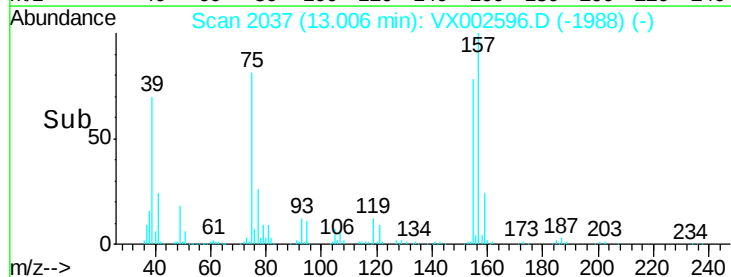
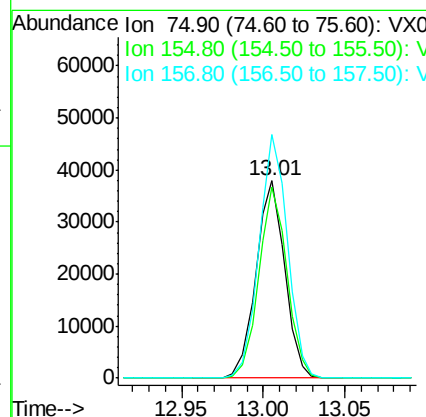
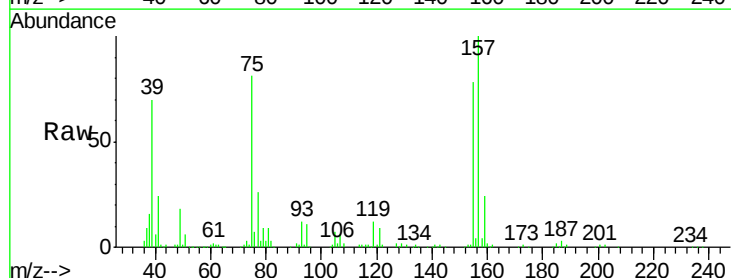
Manual Integrations
 APPROVED

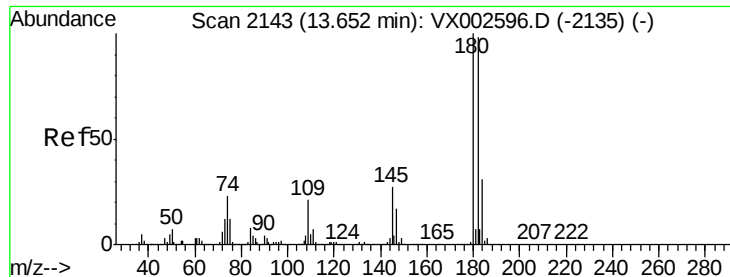
MMDadoda
 6/18/2018 5:11:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.49 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	46678		
155	94.5	45.8	137.4	
157	121.9	60.1	180.3	





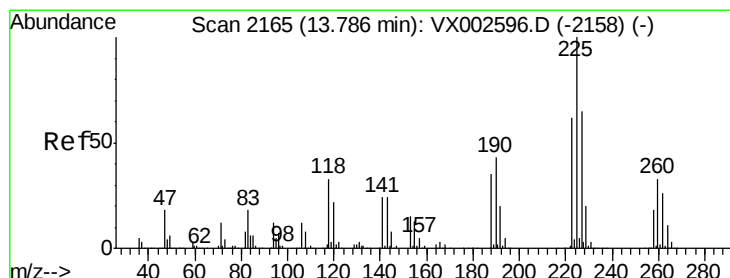
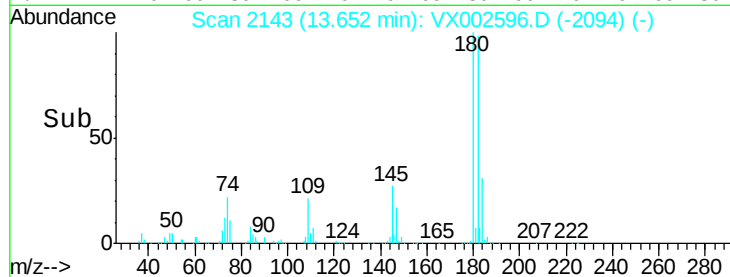
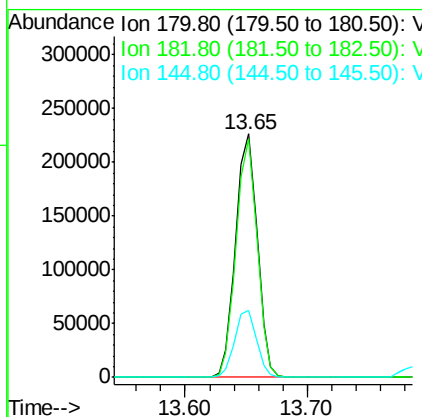
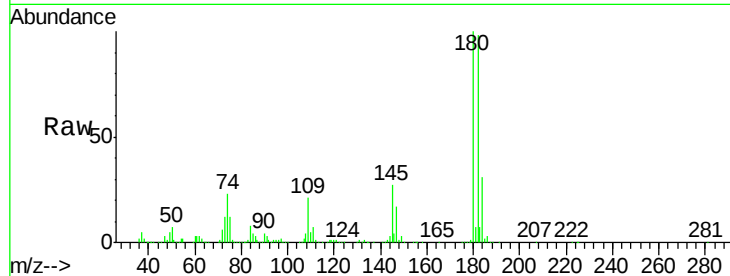
#93
 1,2,4-Trichlorobenzene
 Concen: 49.71 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	276195		
182	95.4	47.7	143.1	
145	27.7	14.1	42.4	

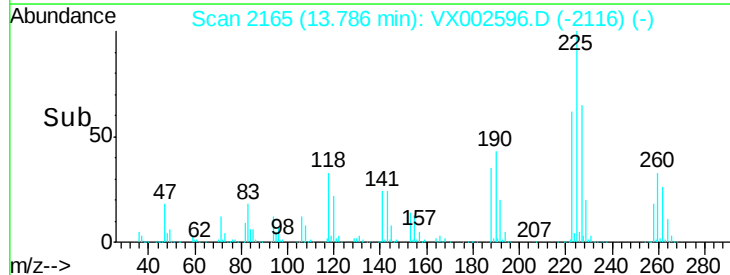
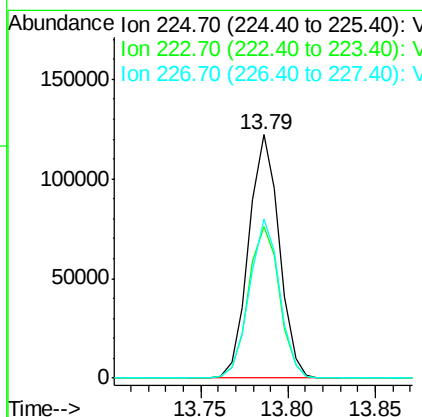
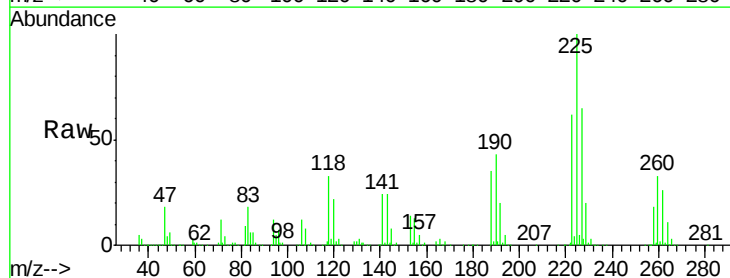
Manual Integrations
 APPROVED

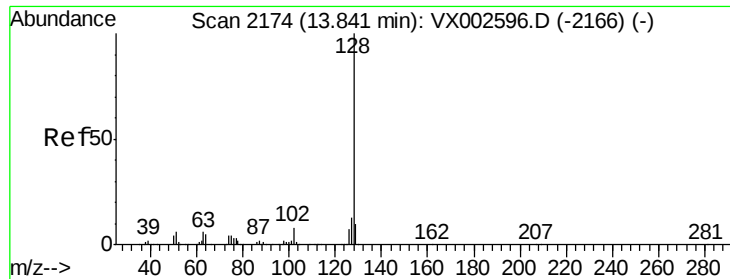
MMDadoda
 6/18/2018 5:11:59 PM



#94
 Hexachlorobutadiene
 Concen: 53.76 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX002596.D
 Acq: 15 Jun 2018 12:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147600		
223	63.6	31.6	95.0	
227	64.4	32.4	97.2	





#95

Naphthalene

Concen: 47.40 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Instrument :

MSVOA_X

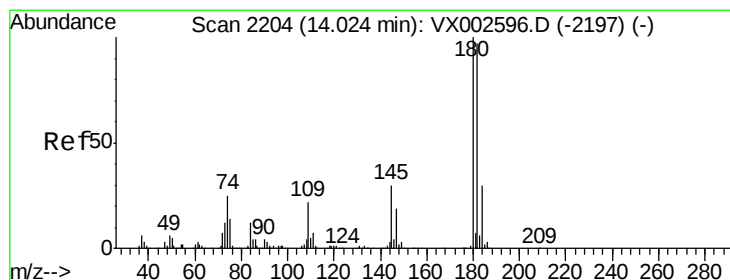
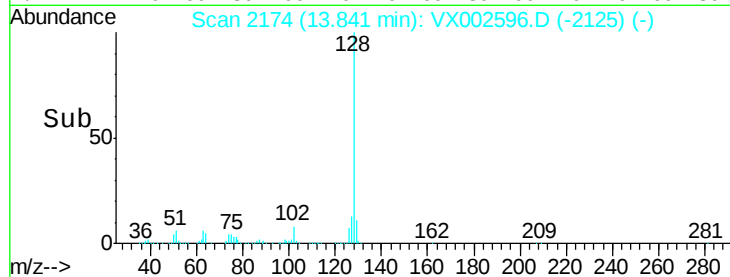
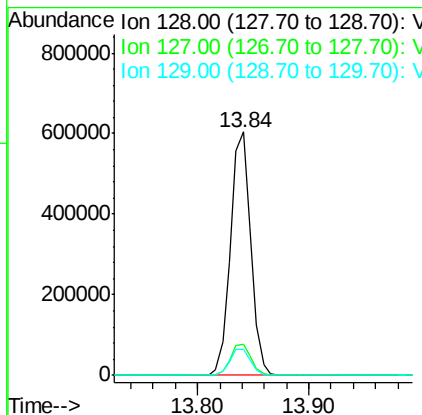
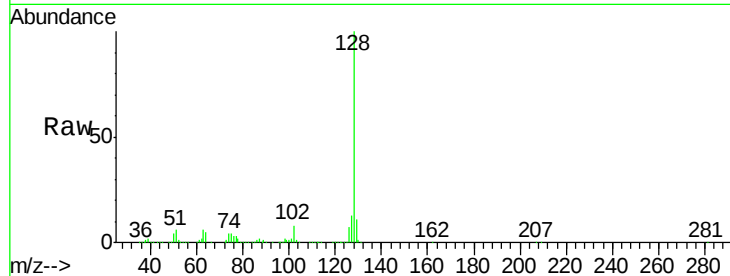
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	756631
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/18/2018 5:11:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.29 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX002596.D

Acq: 15 Jun 2018 12:55

Tgt Ion:	180	Resp:	273603
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.0	144.0
145	29.8	14.8	44.3

