

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072318\
 Data File : VX003640.D
 Acq On : 24 Jul 2018 08:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/24/2018 3:55:15 PM

Quant Time: Jul 24 09:22:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	149600	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	5.51	113	144380	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	8.72	98	529148	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	11.14	95	194669	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	92778	45.18	ug/l	100
3) Chloromethane	1.32	50	115421	45.30	ug/l	97
4) Vinyl Chloride	1.40	62	139346	42.47	ug/l	93
5) Bromomethane	1.64	94	64127	49.08	ug/l	98
6) Chloroethane	1.72	64	87346	44.99	ug/l	97
7) Trichlorofluoromethane	1.92	101	201335	45.99	ug/l	99
8) Diethyl Ether	2.19	74	85983	45.73	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.38	101	125373	43.76	ug/l	93
10) Methyl Iodide	2.51	142	187042	54.34	ug/l	91
11) Tert butyl alcohol	3.08	59	151900	251.08	ug/l	99
12) 1,1-Dichloroethene	2.37	96	120973	45.86	ug/l	83
13) Acrolein	2.29	56	19552	71.53	ug/l	98
14) Allyl chloride	2.73	41	177707	38.05	ug/l #	85
15) Acrylonitrile	3.15	53	357305	231.97	ug/l	98
16) Acetone	2.45	43	281209	243.50	ug/l #	87
17) Carbon Disulfide	2.57	76	298532	41.84	ug/l	98
18) Methyl Acetate	2.78	43	189448	52.04	ug/l #	89
19) Methyl tert-butyl Ether	3.21	73	416918	48.40	ug/l	100
20) Methylene Chloride	2.86	84	138980	49.20	ug/l	85
21) trans-1,2-Dichloroethene	3.16	96	132123	45.01	ug/l	90
22) Diisopropyl ether	3.87	45	407566	46.38	ug/l	96
23) Vinyl Acetate	3.83	43	1551329	214.32	ug/l #	92
24) 1,1-Dichloroethane	3.70	63	241748	46.89	ug/l	98
25) 2-Butanone	4.71	43	471280	243.22	ug/l #	89
26) 2,2-Dichloropropane	4.59	77	69933	17.86	ug/l	83
27) cis-1,2-Dichloroethene	4.60	96	154893	47.39	ug/l	90
28) Bromochloromethane	5.02	49	102947	45.68	ug/l #	75
29) Tetrahydrofuran	5.17	42	306383	239.36	ug/l #	87
30) Chloroform	5.22	83	249084	49.48	ug/l	98
31) Cyclohexane	5.57	56	202943	44.05	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	215846	50.07	ug/l	96
36) 1,1-Dichloropropene	5.80	75	178976	45.40	ug/l	96
37) Ethyl Acetate	4.87	43	177484	47.58	ug/l #	93
38) Carbon Tetrachloride	5.78	117	195674	50.60	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	208628	44.68	ug/l	93
40) Benzene	6.15	78	570420	47.92	ug/l	98
41) Methacrylonitrile	5.07	41	102937	46.95	ug/l #	89
42) 1,2-Dichloroethane	6.20	62	181685	48.45	ug/l	93
43) Isopropyl Acetate	6.47	43	286359	48.26	ug/l #	91
44) Trichloroethene	7.22	130	178750	50.36	ug/l	95
45) 1,2-Dichloropropane	7.52	63	145999	48.31	ug/l	100
46) Dibromomethane	7.67	93	98753	50.75	ug/l	91
47) Bromodichloromethane	7.90	83	183323	51.47	ug/l	98
48) Methyl methacrylate	7.78	41	147763	49.38	ug/l #	81
49) 1,4-Dioxane	7.76	88	72550	1069.99	ug/l #	90
51) 4-Methyl-2-Pentanone	8.65	43	952078	253.96	ug/l	89
52) Toluene	8.79	92	372497	49.72	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	197516	45.05	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	176513	44.77	ug/l #	86
55) 1,1,2-Trichloroethane	9.22	97	153211	51.39	ug/l	97
56) Ethyl methacrylate	9.18	69	216093	51.46	ug/l #	78
57) 1,3-Dichloropropane	9.37	76	243069	50.44	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	484061	237.07	ug/l	93
59) 2-Hexanone	9.50	43	711523	256.16	ug/l	86
60) Dibromochloromethane	9.59	129	162530	55.08	ug/l	100
61) 1,2-Dibromoethane	9.68	107	159494	51.61	ug/l	99
64) Tetrachloroethene	9.34	164	218828	53.34	ug/l	98
65) Chlorobenzene	10.14	112	432533	49.85	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	160125	53.64	ug/l	99
67) Ethyl Benzene	10.26	91	700110	50.19	ug/l	99
68) m/p-Xylenes	10.36	106	559231	102.26	ug/l	94
69) o-Xylene	10.70	106	272968	51.62	ug/l	93
70) Styrene	10.71	104	462079	53.12	ug/l	96
71) Bromoform	10.86	173	133097	57.39	ug/l	99
73) Isopropylbenzene	11.02	105	726195	49.81	ug/l	99
74) N-amyl acetate	6.47	43	286359	46.26	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	213281	49.92	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	185436m	48.97	ug/l	
77) Bromobenzene	11.26	156	209251	49.90	ug/l	93
78) n-propylbenzene	11.37	91	798613	49.28	ug/l	97
79) 2-Chlorotoluene	11.43	91	479073	48.69	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	602587	50.29	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	44496	34.16	ug/l	88
82) 4-Chlorotoluene	11.51	91	559930	48.57	ug/l	96
83) tert-Butylbenzene	11.77	119	588515	50.15	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	619747	50.83	ug/l	97
85) sec-Butylbenzene	11.95	105	709057	49.75	ug/l	99
86) p-Isopropyltoluene	12.07	119	649506	50.78	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	375872	48.76	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	377478	47.54	ug/l	98
89) n-Butylbenzene	12.39	91	508802	46.85	ug/l	98
90) Hexachloroethane	12.60	117	91271	50.20	ug/l	90
91) 1,2-Dichlorobenzene	12.40	146	381388	50.20	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	43832	52.72	ug/l	79

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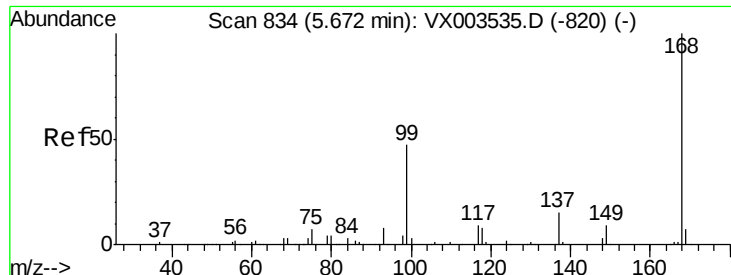
Manual Integrations
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7/24/2018 3:55:15 PM

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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	275622	49.50	ug/l	99
94) Hexachlorobutadiene	13.79	225	129013	48.18	ug/l	99
95) Naphthalene	13.83	128	793805	54.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	285621	51.82	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 258286

Ion Ratio Lower Upper

168 100

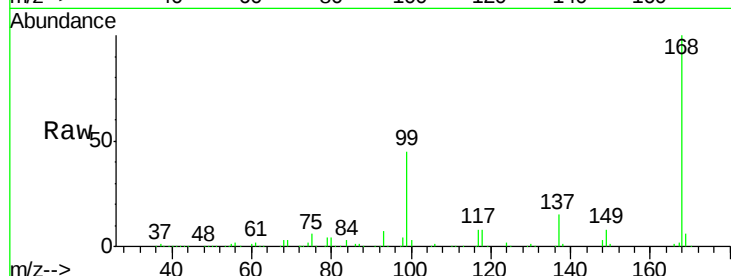
99 45.2 39.3 58.9

Manual Integrations

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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

100000

80000

60000

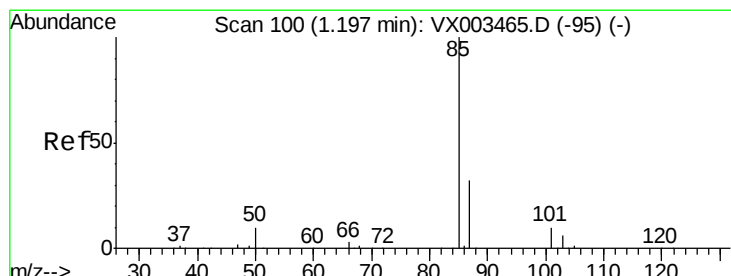
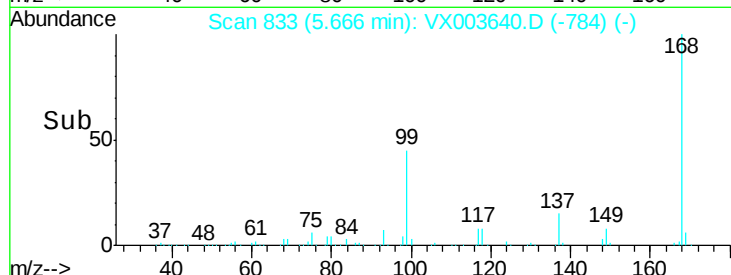
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.18 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003640.D

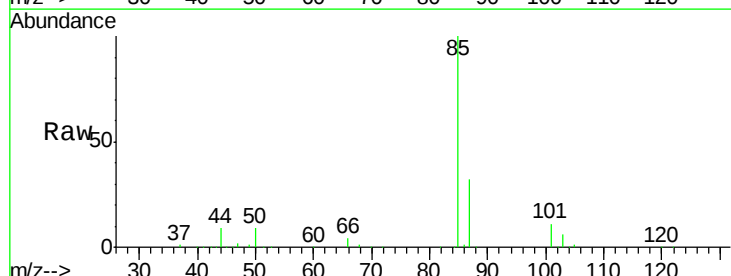
Acq: 24 Jul 2018 08:29

Tgt Ion: 85 Resp: 92778

Ion Ratio Lower Upper

85 100

87 32.1 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

100000

80000

60000

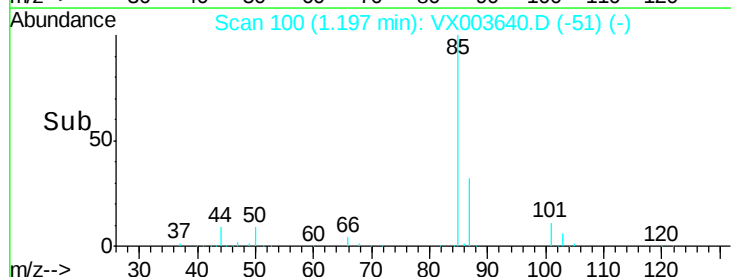
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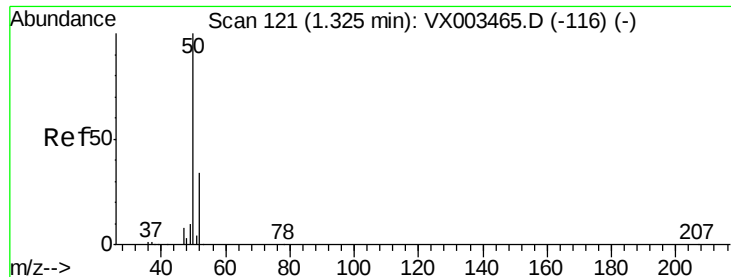
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.30 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 115421

Ion Ratio Lower Upper

50 100

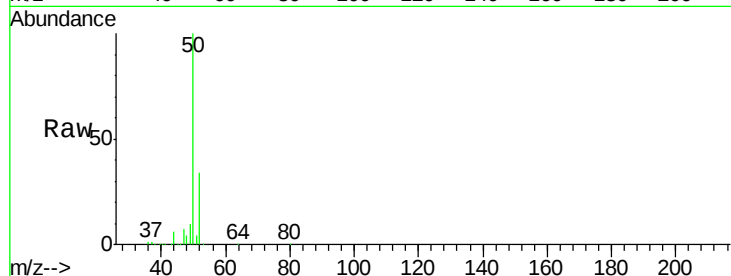
52 33.7 25.7 38.5

Manual Integrations

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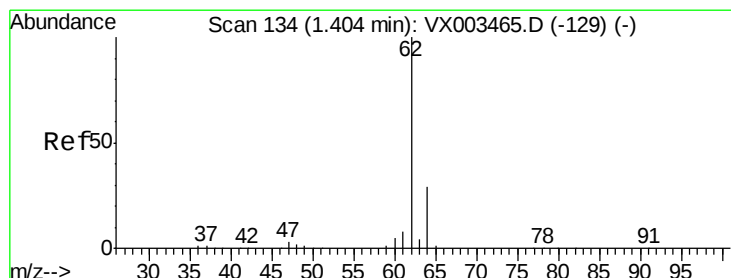
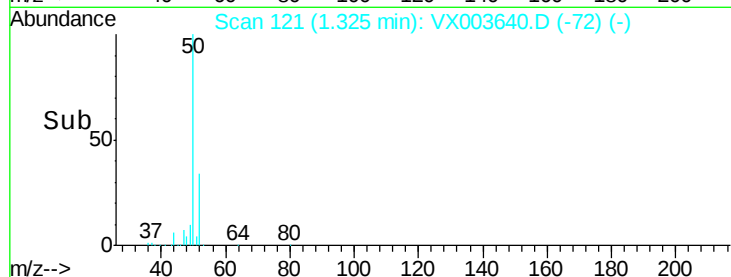
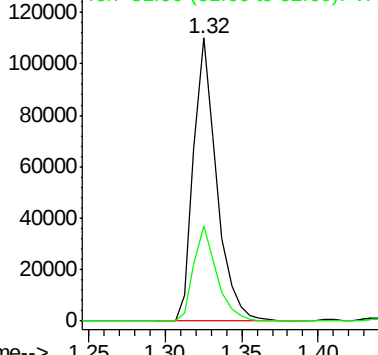
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 42.47 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003640.D

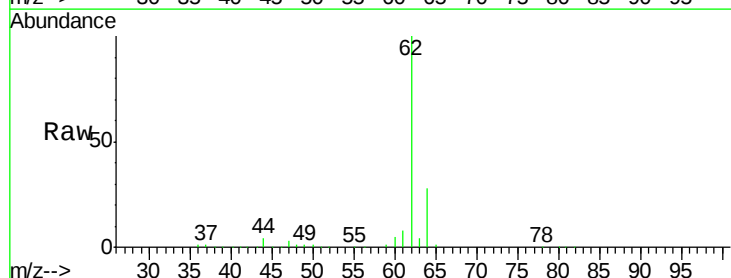
Acq: 24 Jul 2018 08:29

Tgt Ion: 62 Resp: 139346

Ion Ratio Lower Upper

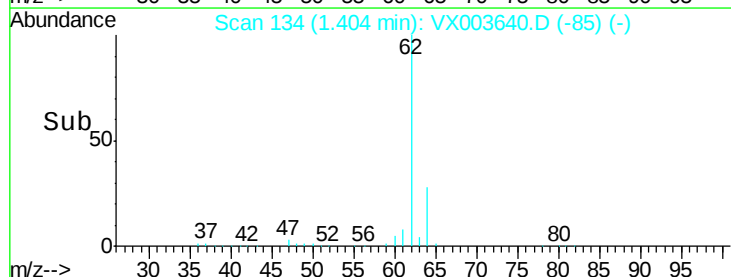
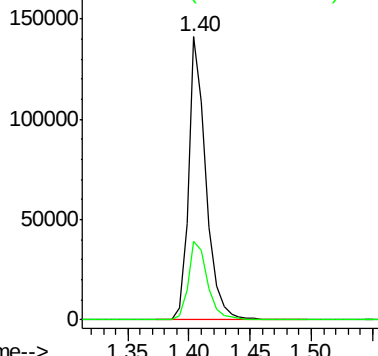
62 100

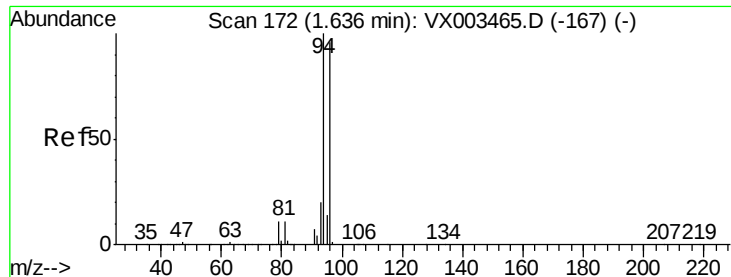
64 27.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.08 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64127

Ion Ratio Lower Upper

94 100

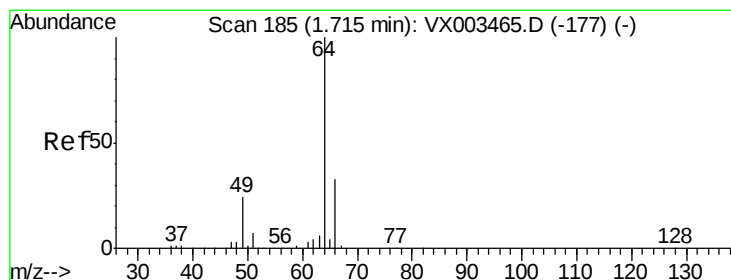
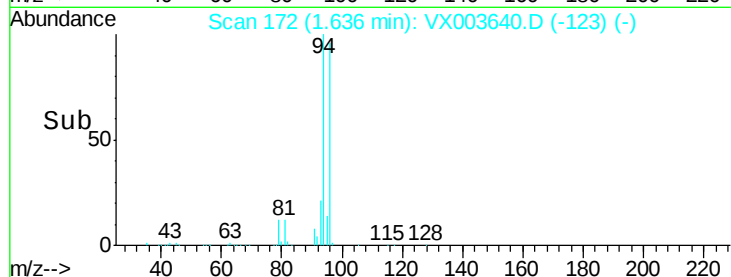
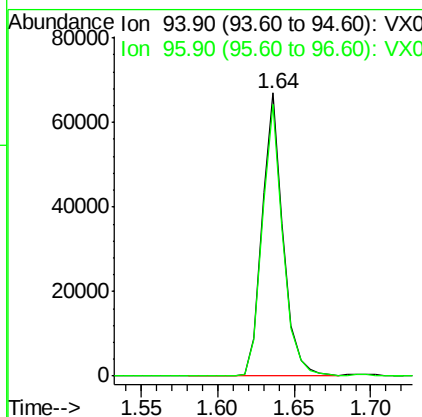
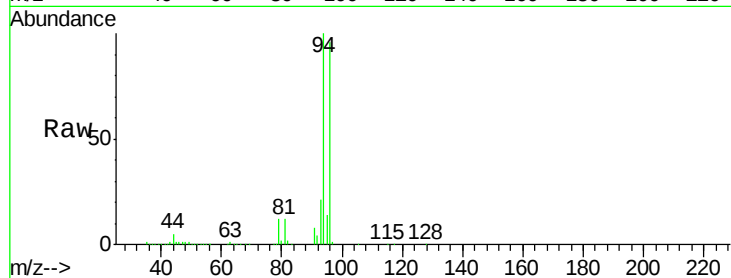
96 95.8 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 44.99 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003640.D

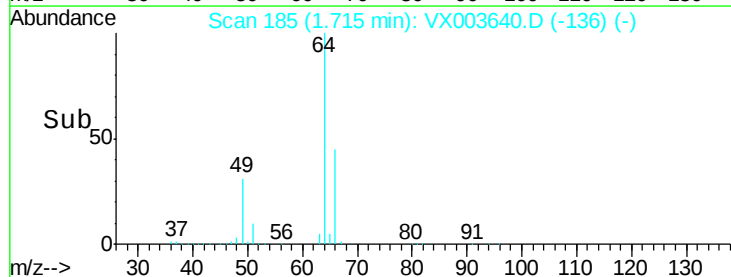
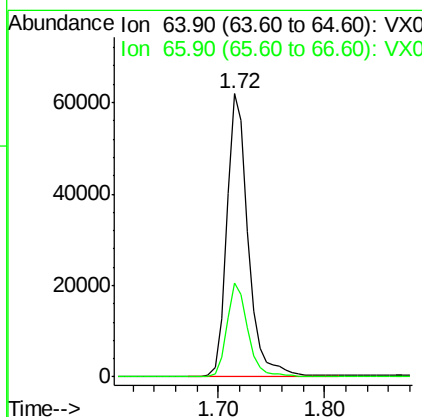
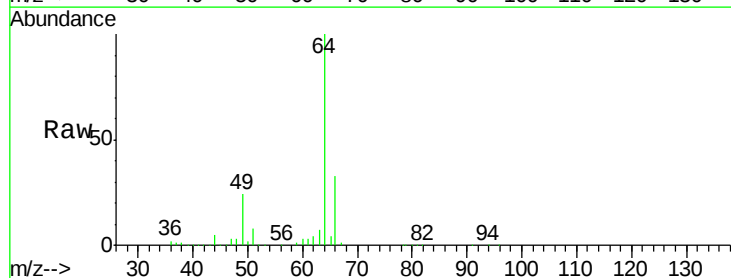
Acq: 24 Jul 2018 08:29

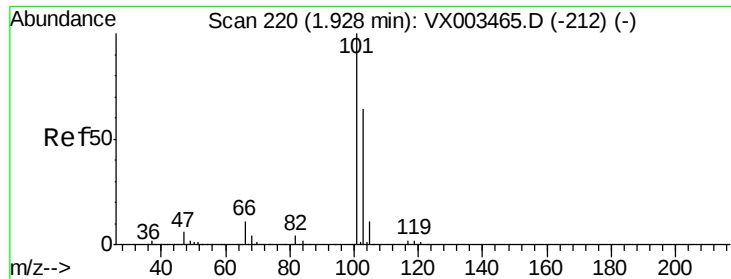
Tgt Ion: 64 Resp: 87346

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3





#7

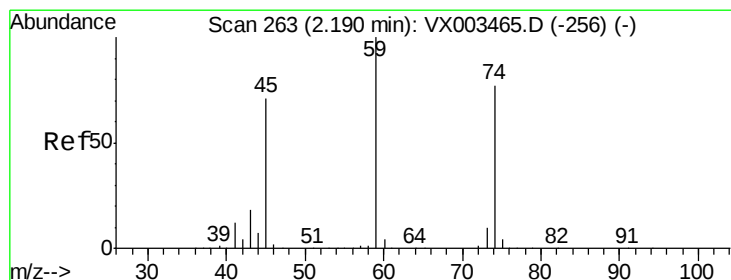
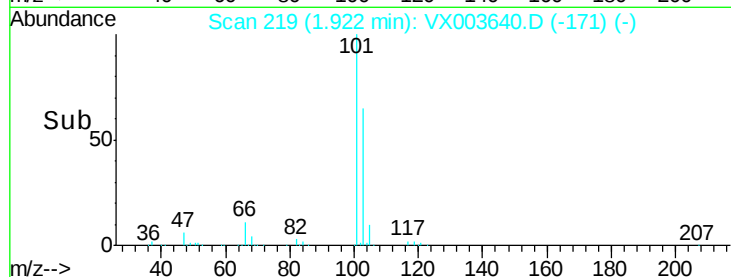
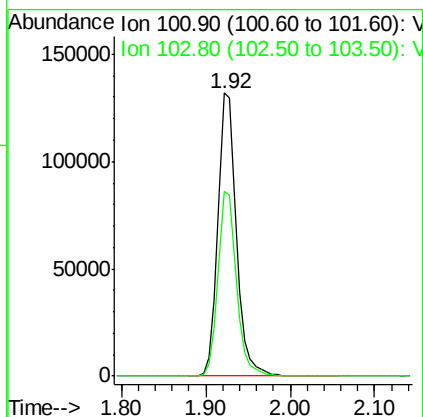
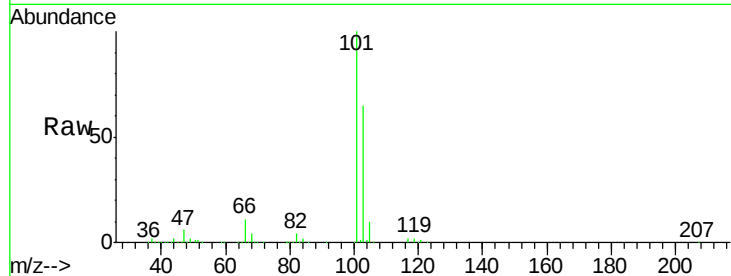
Trichlorofluoromethane
 Concen: 45.99 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.8	79.2

Manual Integrations
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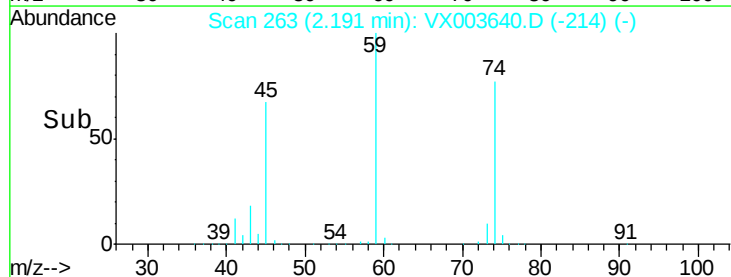
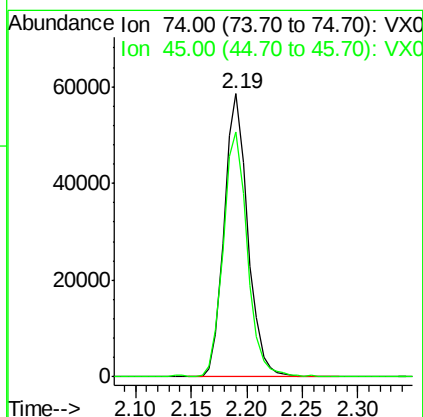
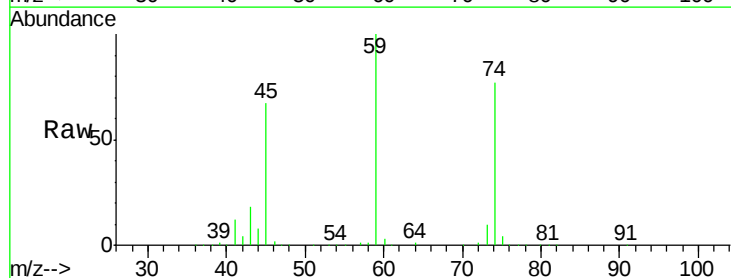
MMDadoda
 7/24/2018 3:55:15 PM

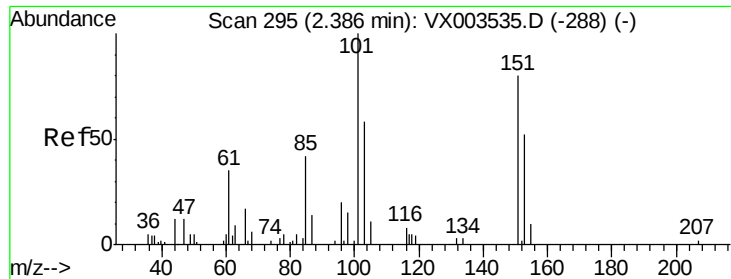


#8

Diethyl Ether
 Concen: 45.73 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.1	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.76 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

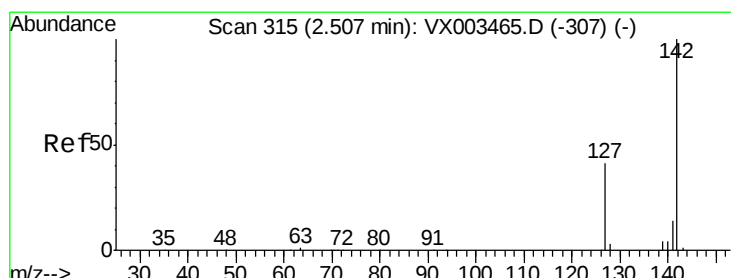
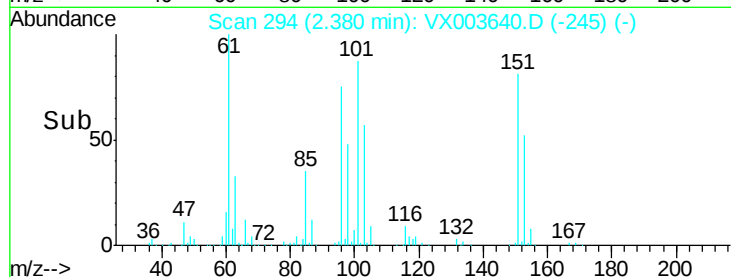
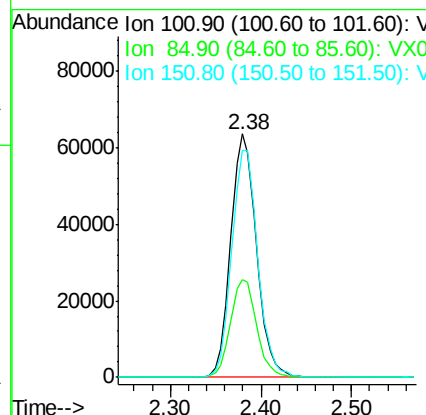
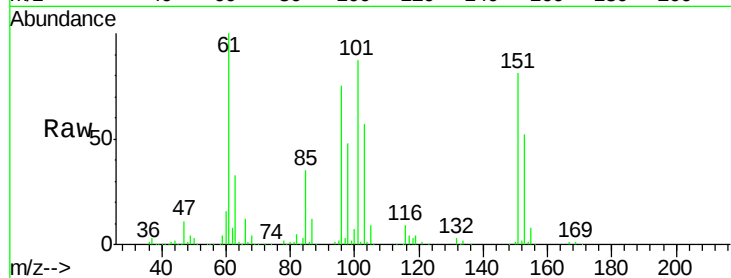
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	125373
Ion Ratio	Lower	Upper	
101	100		
85	40.8	36.0	54.0
151	94.7	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 54.34 ug/l

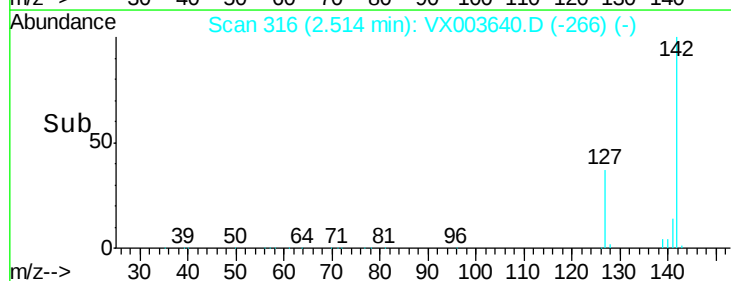
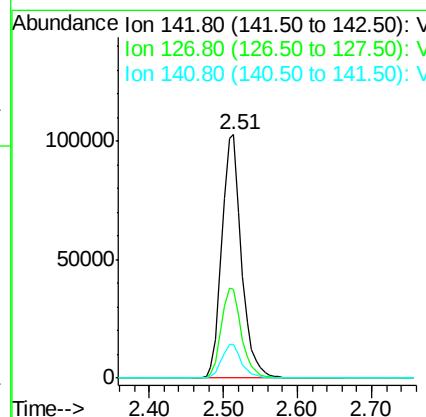
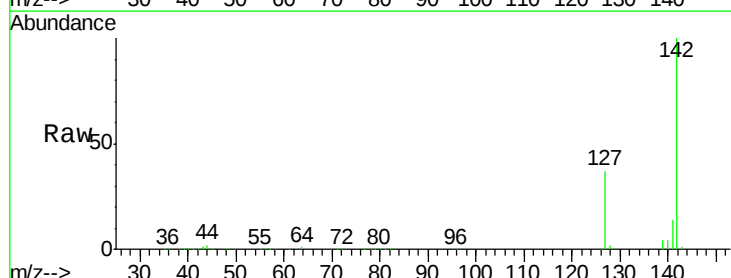
RT: 2.51 min Scan# 316

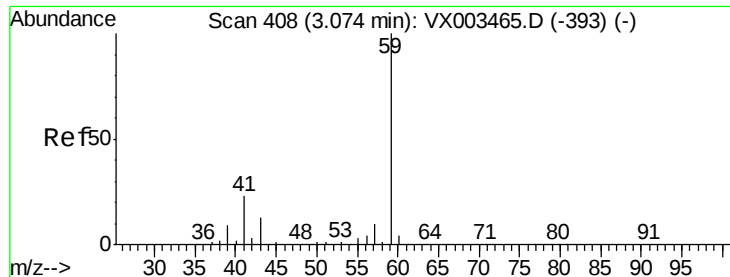
Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion:	142	Resp:	187042
Ion Ratio	Lower	Upper	
142	100		
127	38.2	36.6	55.0
141	14.0	11.3	16.9





#11

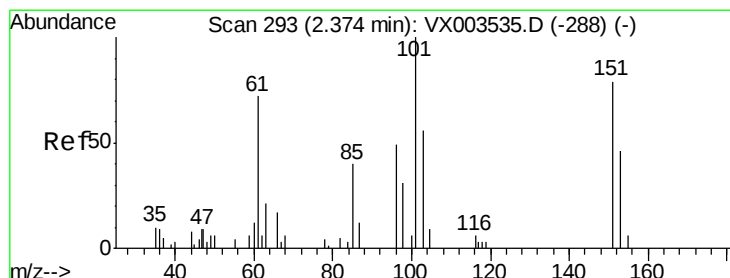
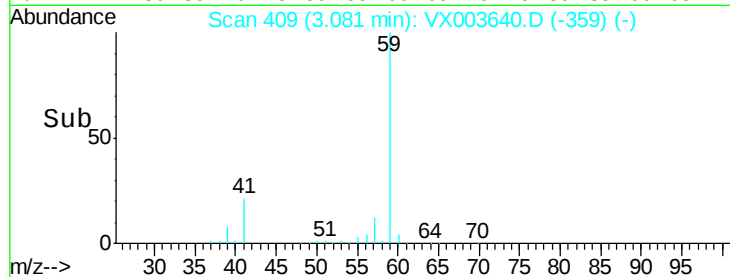
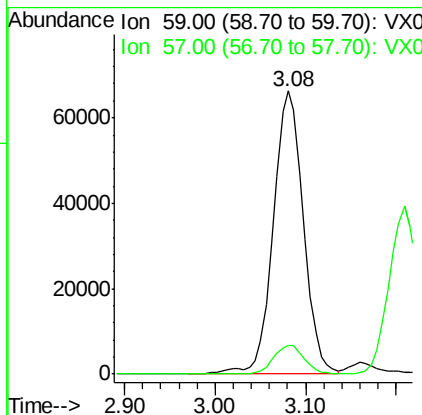
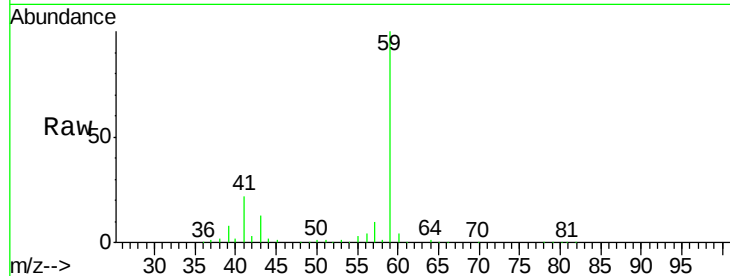
Tert butyl alcohol
 Concen: 251.08 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

Manual Integrations
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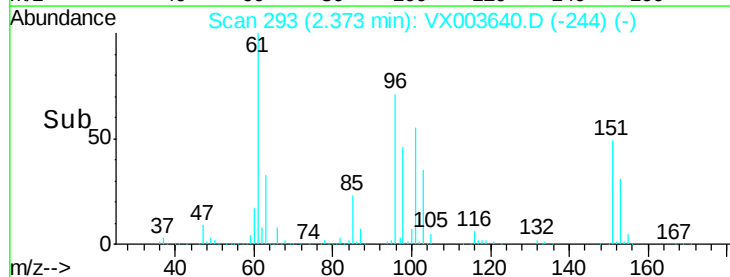
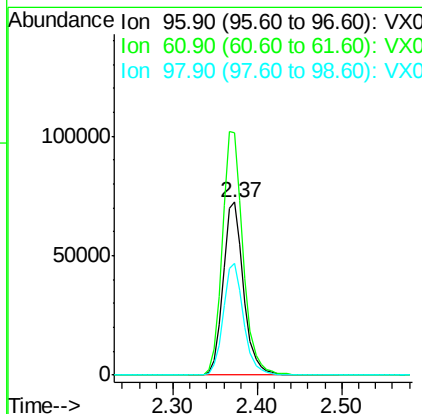
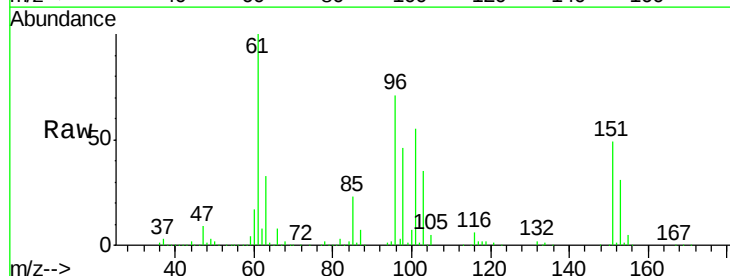
MMDadoda
 7/24/2018 3:55:15 PM

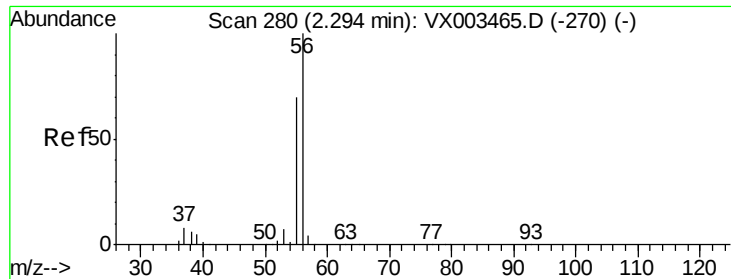


#12

1,1-Dichloroethene
 Concen: 45.86 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.3	137.9	206.9
98	64.6	51.6	77.4





#13

Acrolein

Concen: 71.53 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 19552

Ion Ratio Lower Upper

56 100

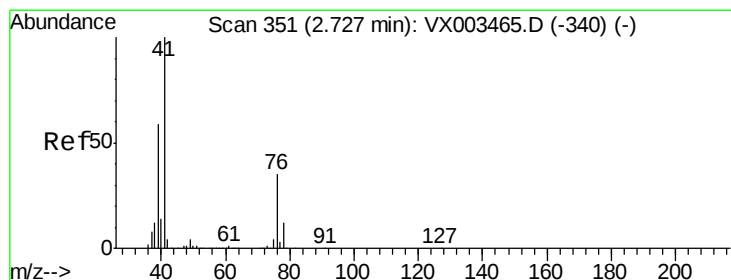
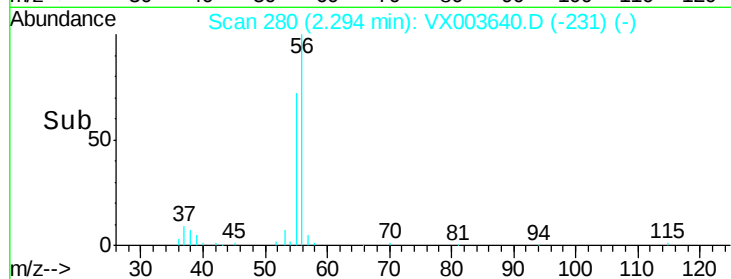
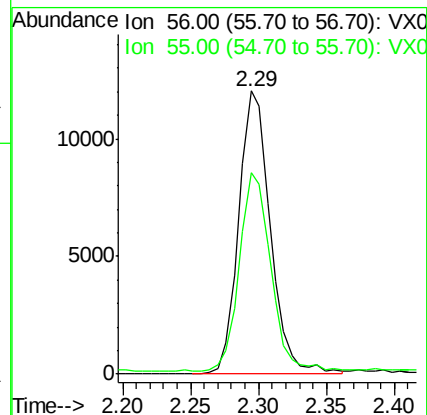
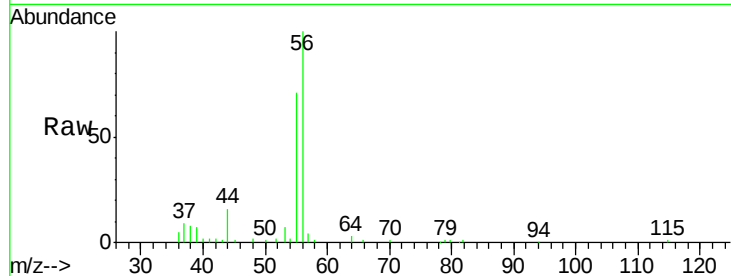
55 69.7 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 38.05 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

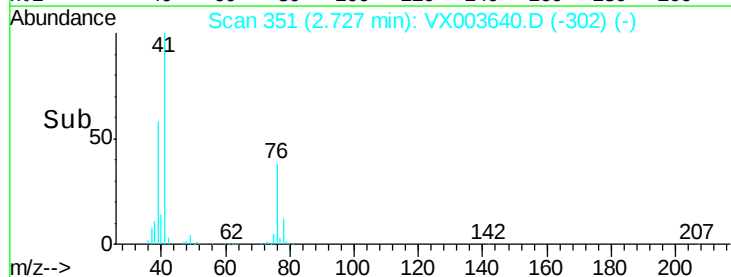
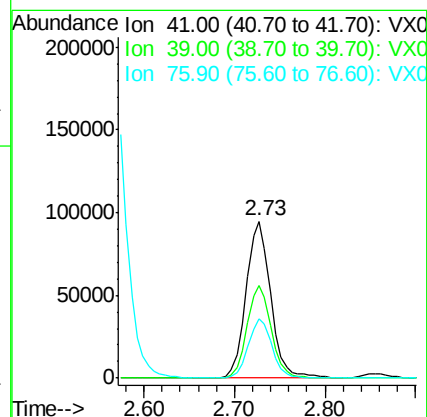
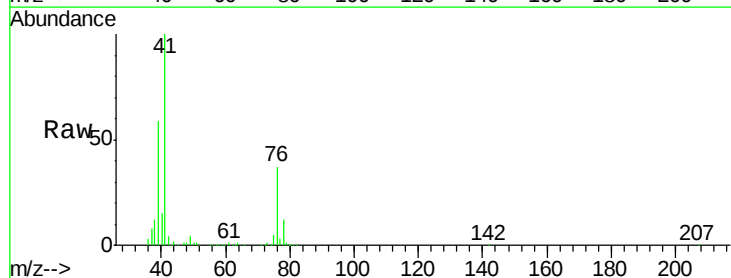
Tgt Ion: 41 Resp: 177707

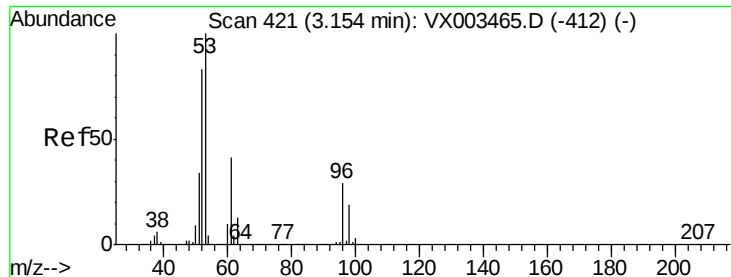
Ion Ratio Lower Upper

41 100

39 57.8 56.8 85.2

76 36.0 23.8 35.8#





#15

Acrylonitrile

Concen: 231.97 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

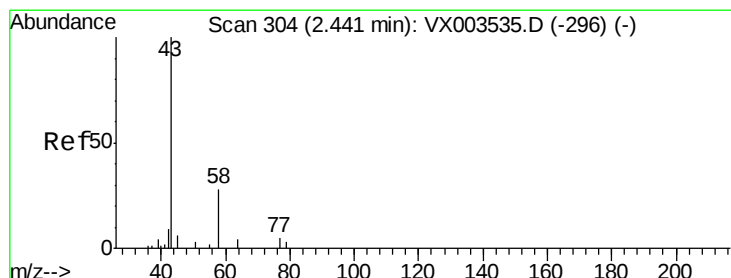
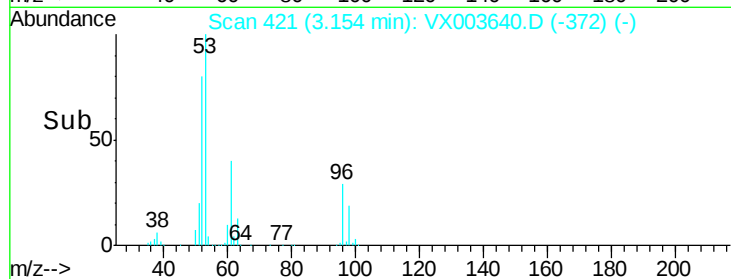
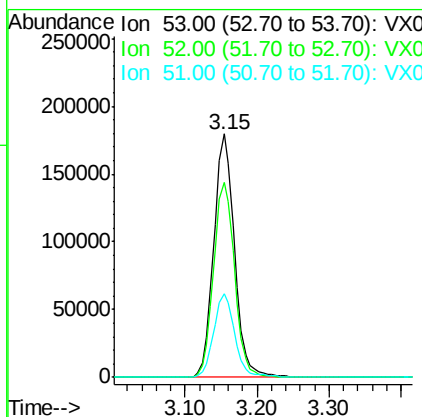
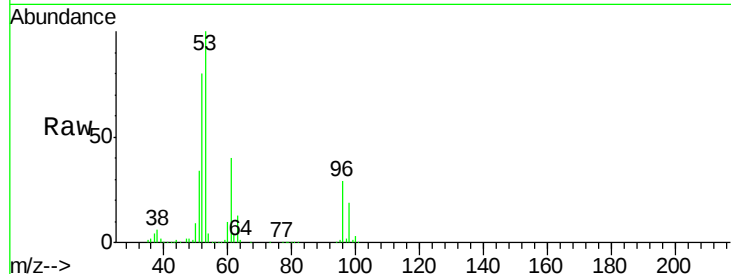
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	357305
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.7	100.1
51	34.8	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 243.50 ug/l

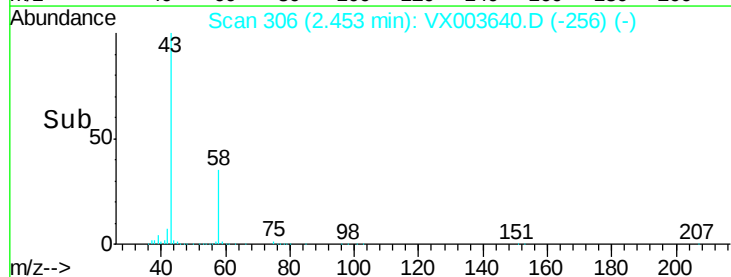
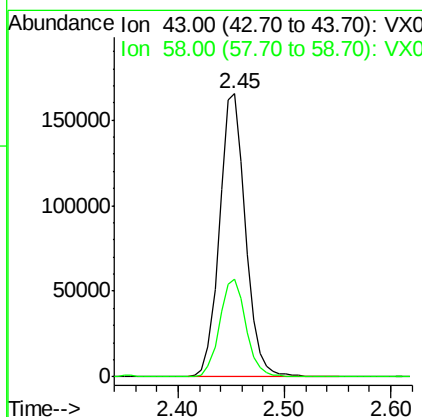
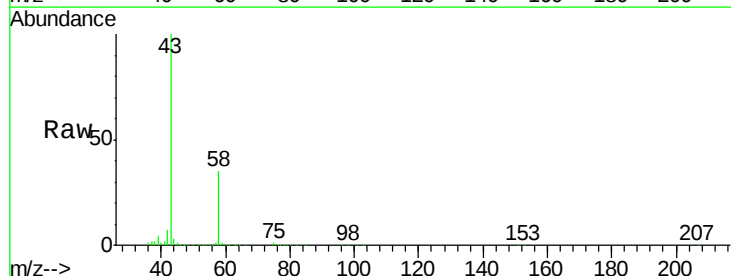
RT: 2.45 min Scan# 306

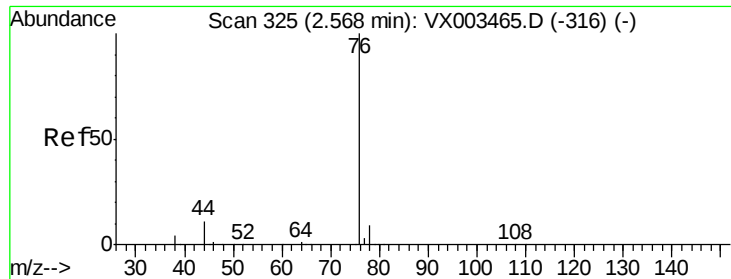
Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion:	43	Resp:	281209
Ion Ratio	Lower	Upper	
43	100		
58	34.6	22.1	33.1#





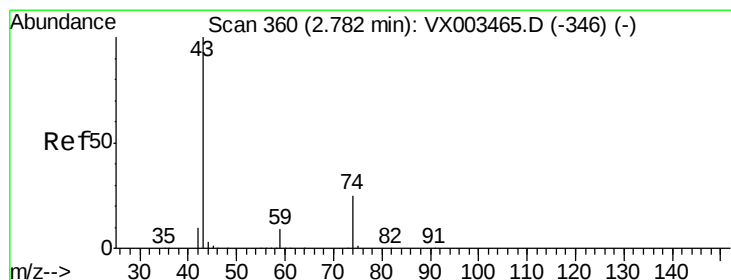
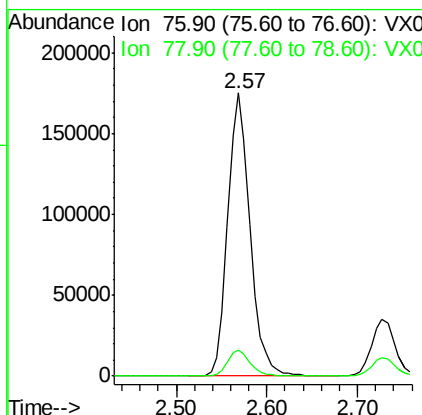
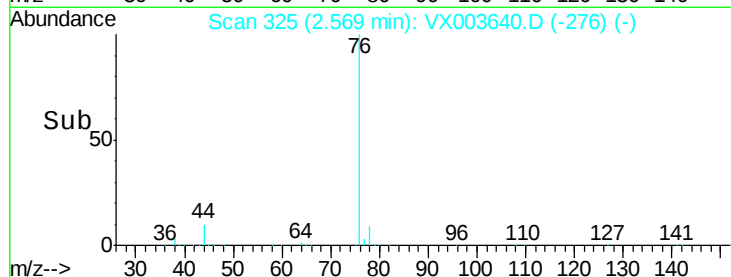
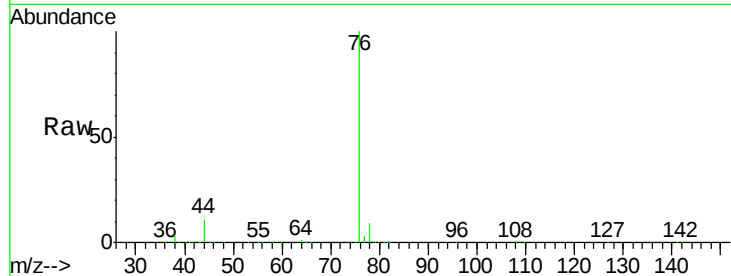
#17
Carbon Disulfide
Concen: 41.84 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

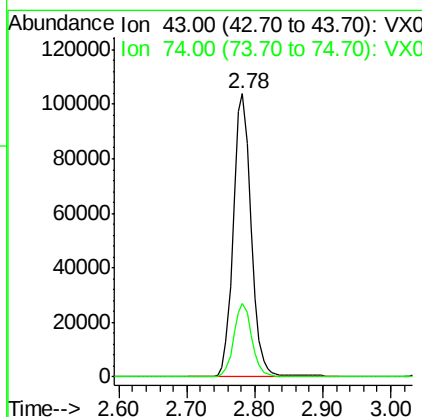
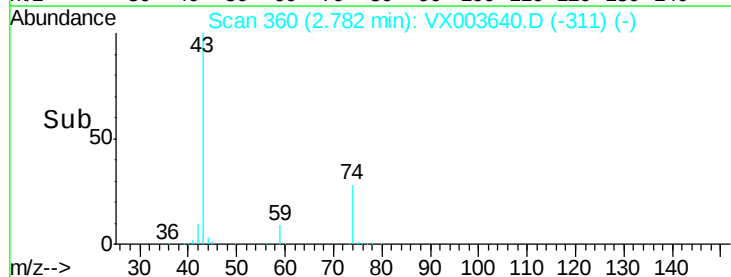
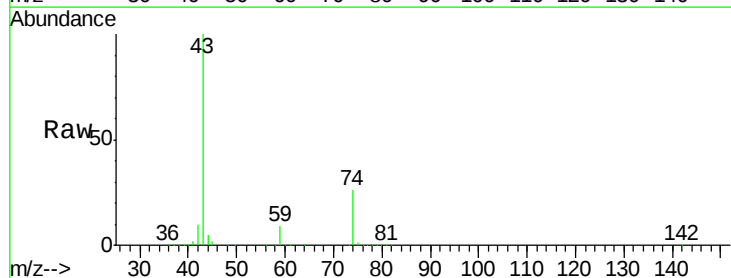
Manual Integrations
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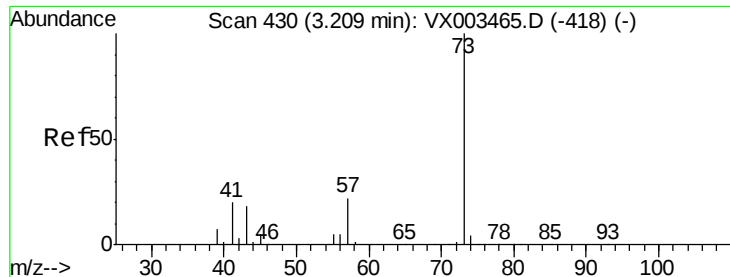
MMDadoda
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#18
Methyl Acetate
Concen: 52.04 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	16.7	25.1#





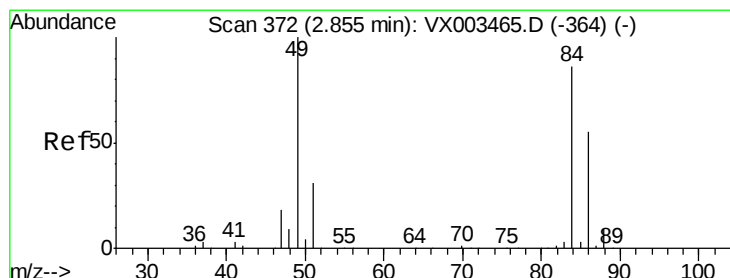
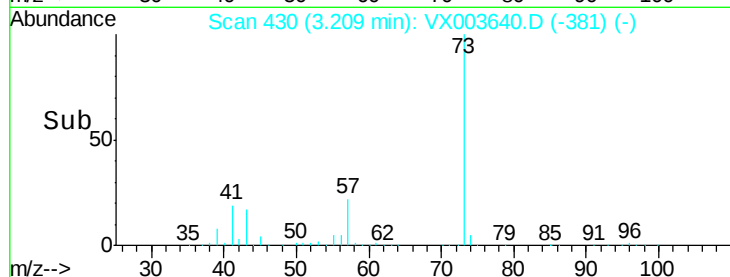
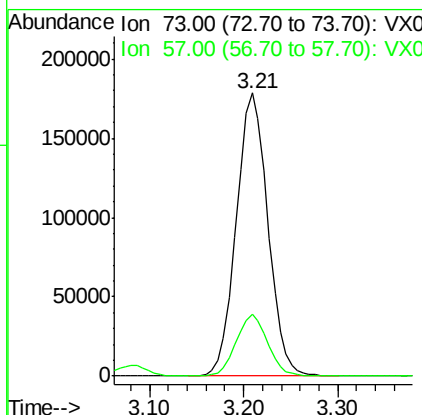
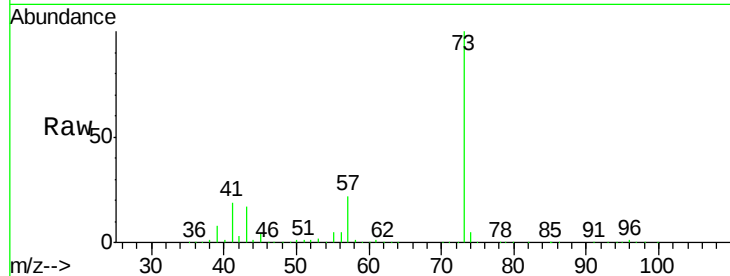
#19
Methvl tert-butvl Ether
Concen: 48.40 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 416918
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

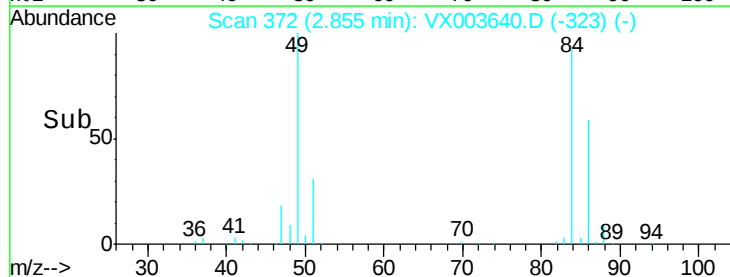
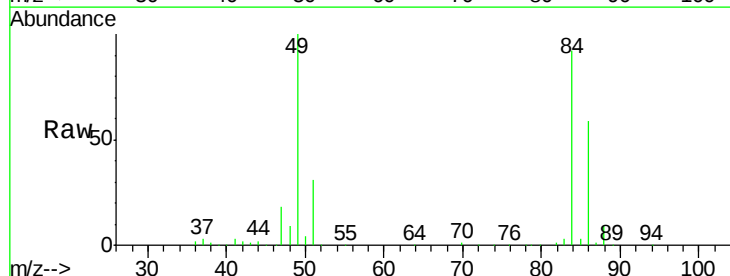
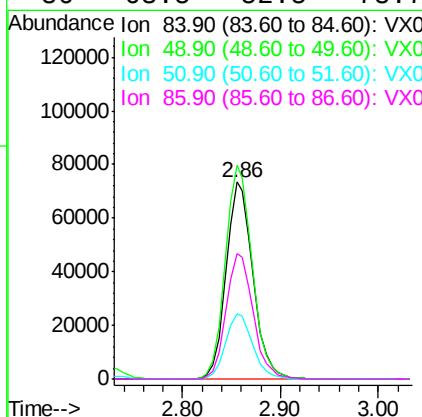
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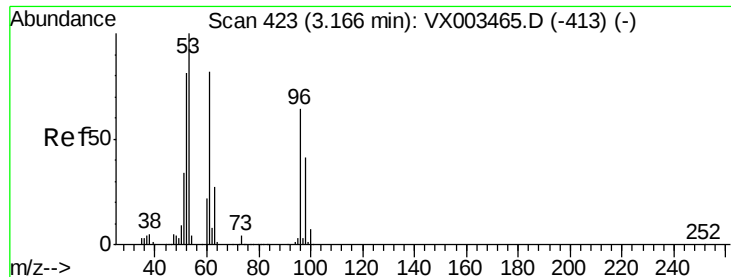
MMDadoda
7/24/2018 3:55:15 PM



#20
Methylene Chloride
Concen: 49.20 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 84 Resp: 138980
Ion Ratio Lower Upper
84 100
49 108.5 107.8 161.6
51 33.5 32.8 49.2
86 63.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 45.01 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

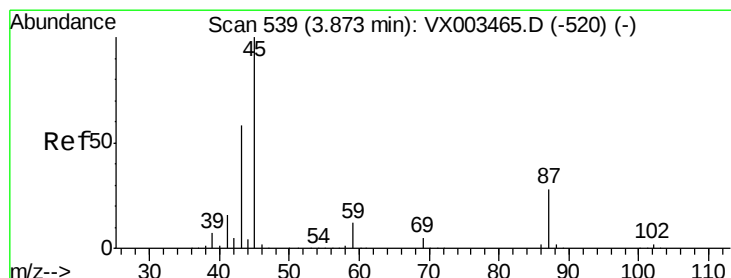
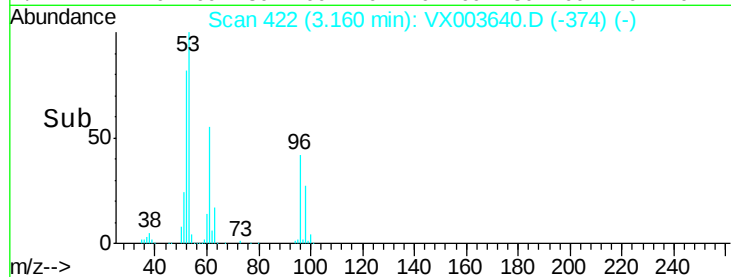
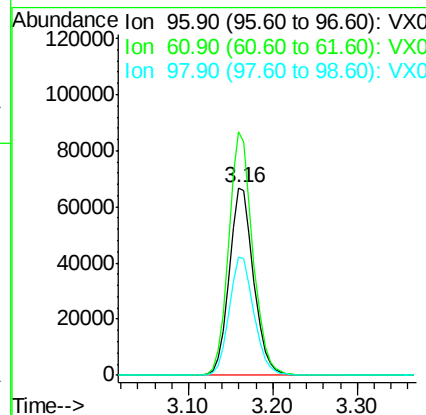
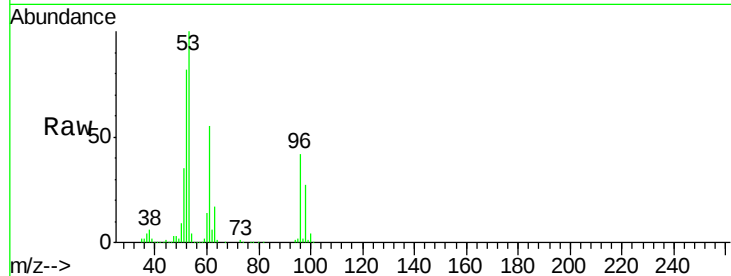
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	132123
Ion Ratio	Lower	Upper	
96	100		
61	129.7	117.0	175.4
98	63.0	52.4	78.6

Manual Integrations
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7/24/2018 3:55:15 PM



#22

Diisopropyl ether

Concen: 46.38 ug/l

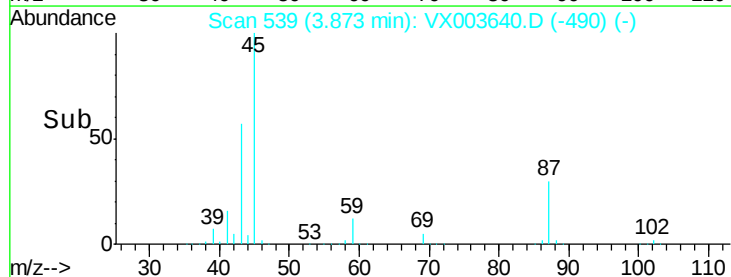
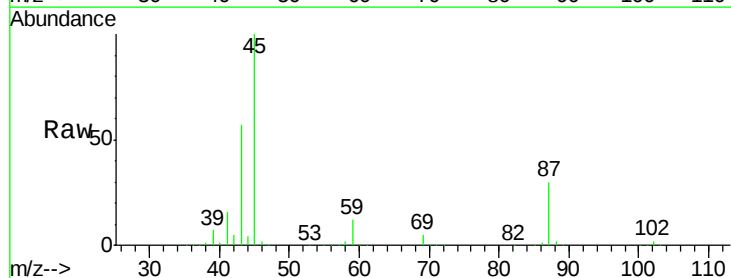
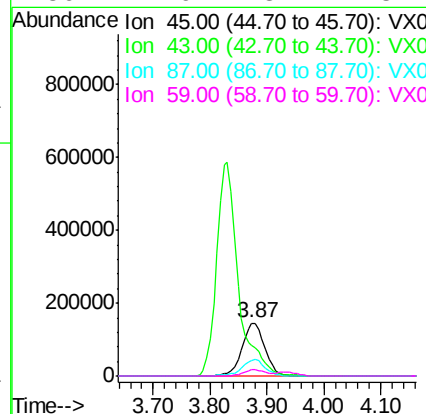
RT: 3.87 min Scan# 539

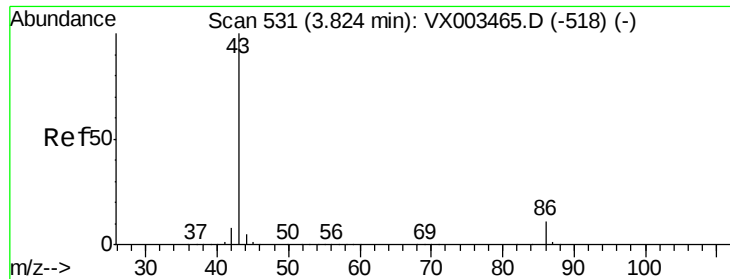
Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion:	45	Resp:	407566
Ion Ratio	Lower	Upper	
45	100		
43	57.2	46.8	70.2
87	30.1	20.2	30.4
59	11.9	8.7	13.1





#23

Vinyl Acetate

Concen: 214.32 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1551329

Ion Ratio Lower Upper

43 100

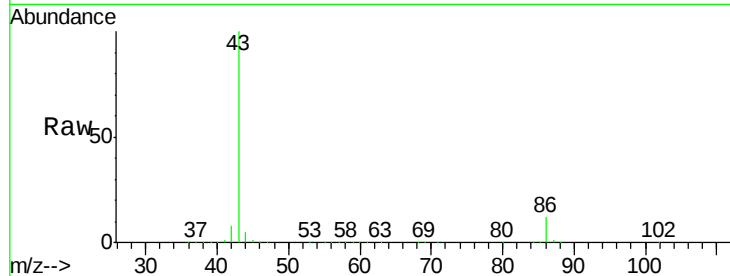
86 12.1 7.4 11.0#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

600000

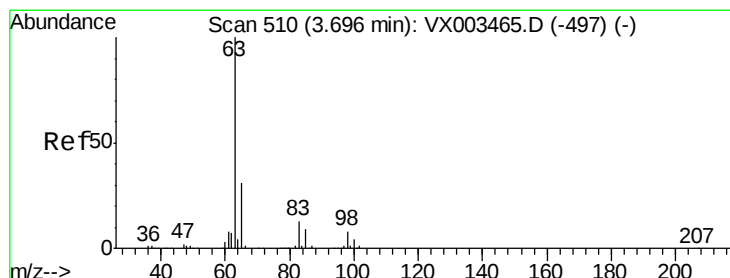
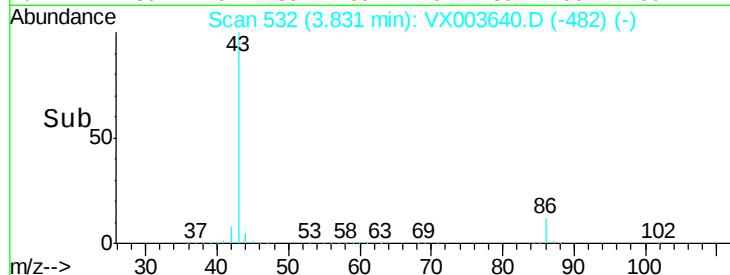
400000

200000

0

3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 46.89 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

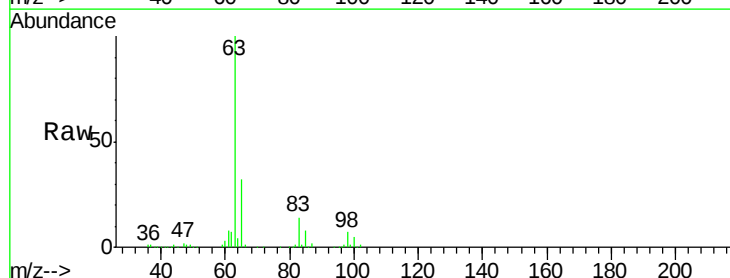
Tgt Ion: 63 Resp: 241748

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.2

100 4.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

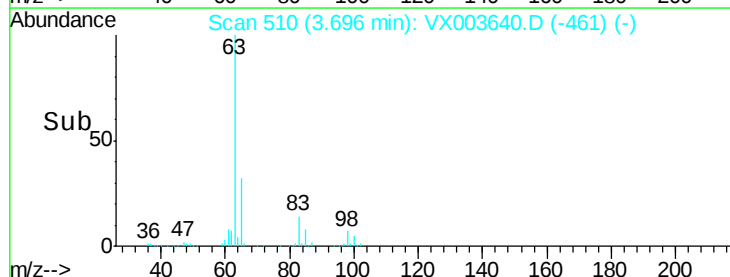
100000

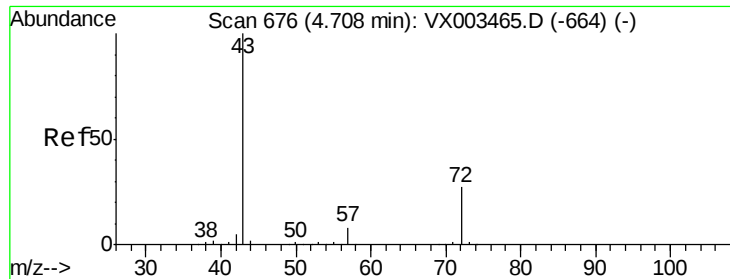
50000

0

3.60 3.70 3.80 3.90

Time-->





#25

2-Butanone

Concen: 243.22 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 471280

Ion Ratio Lower Upper

43 100

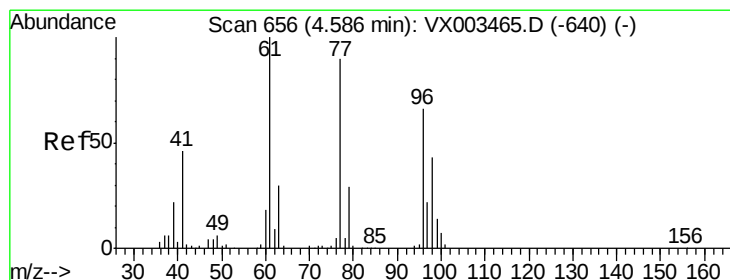
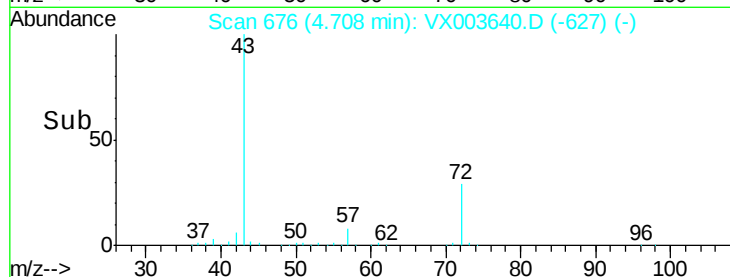
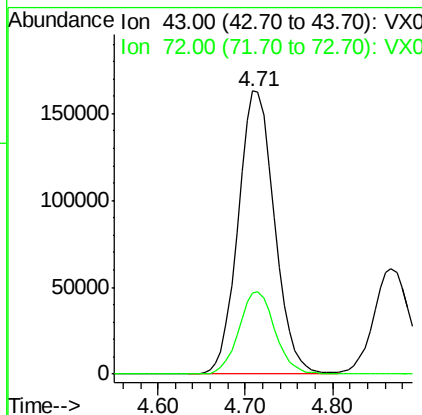
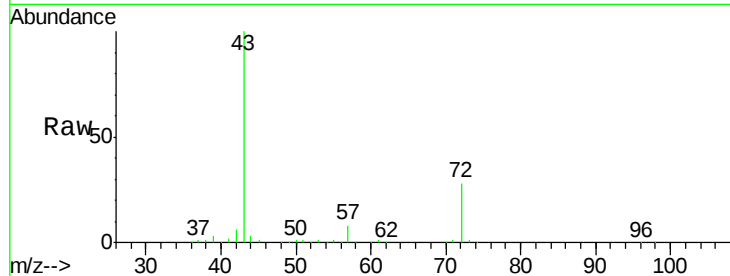
72 28.5 18.5 27.7#

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 17.86 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003640.D

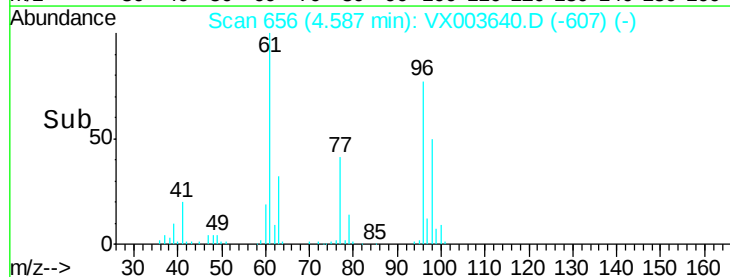
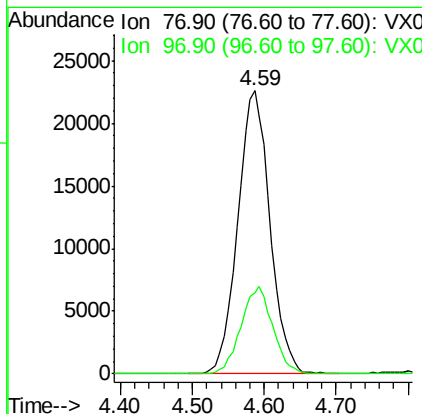
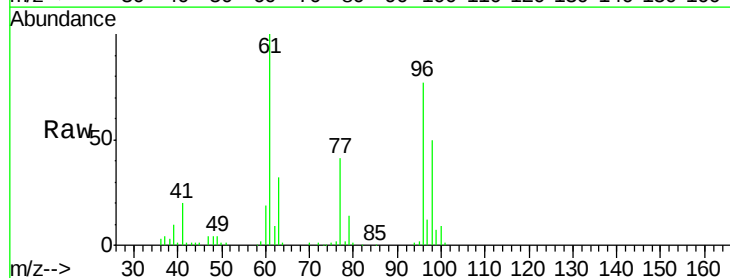
Acq: 24 Jul 2018 08:29

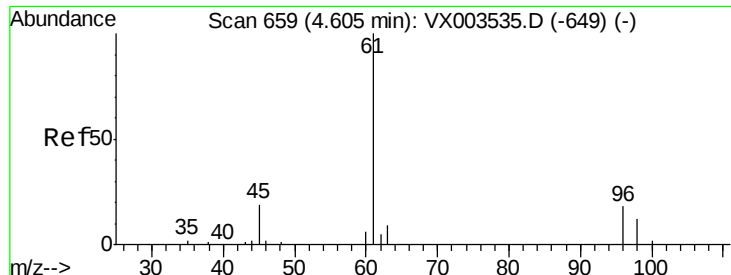
Tgt Ion: 77 Resp: 69933

Ion Ratio Lower Upper

77 100

97 30.5 11.2 33.5





#27

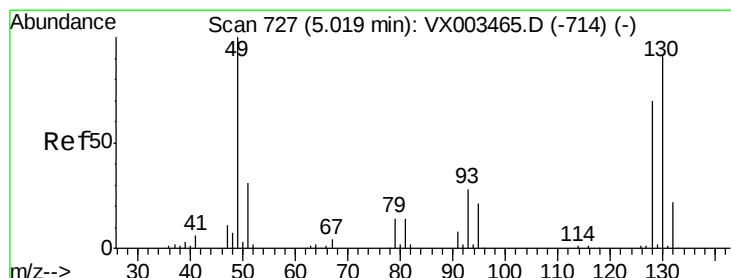
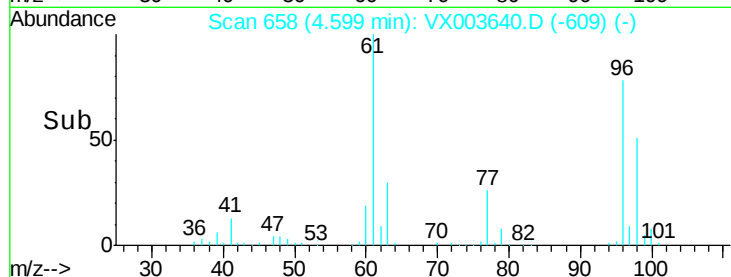
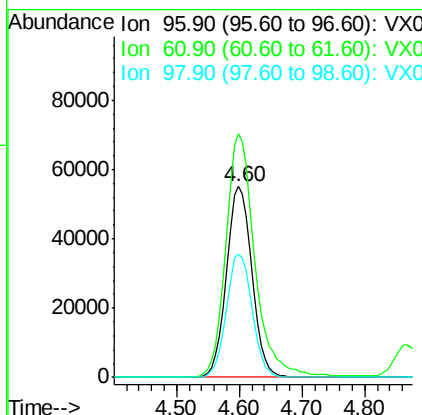
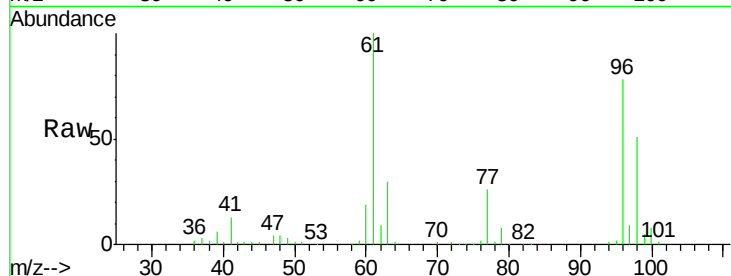
cis-1,2-Dichloroethene
Concen: 47.39 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	154893		
61	146.2	0.0	330.2	
98	65.3	0.0	130.2	

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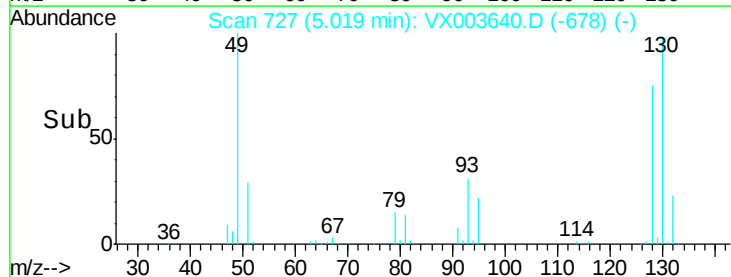
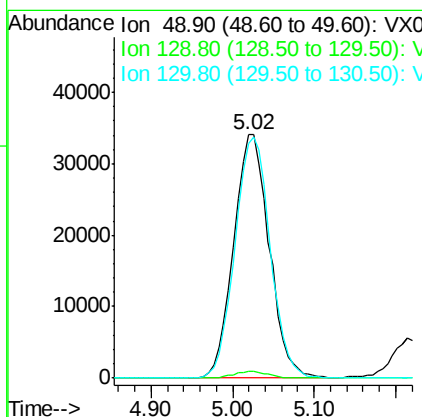
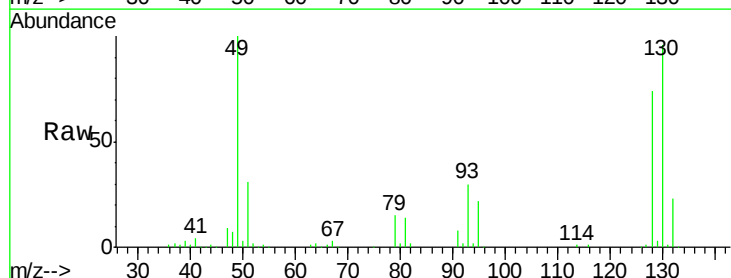
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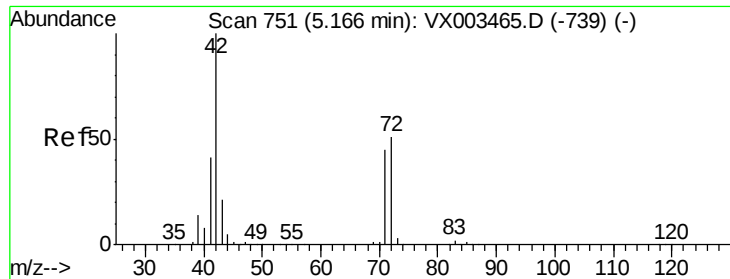


#28

Bromochloromethane
Concen: 45.68 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	102947		
129	2.6	0.0	4.2	
130	98.3	61.2	91.8#	





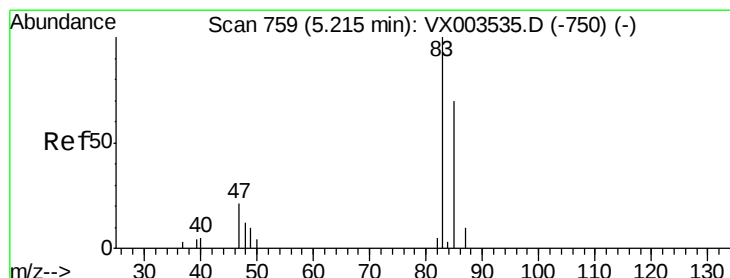
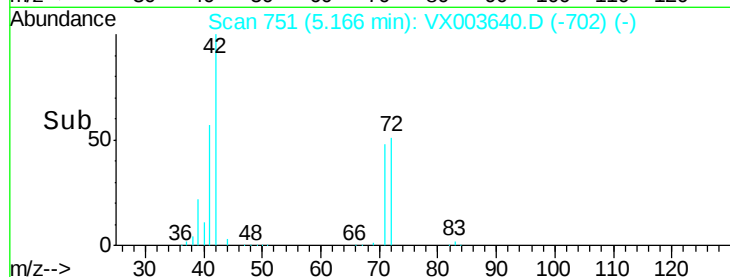
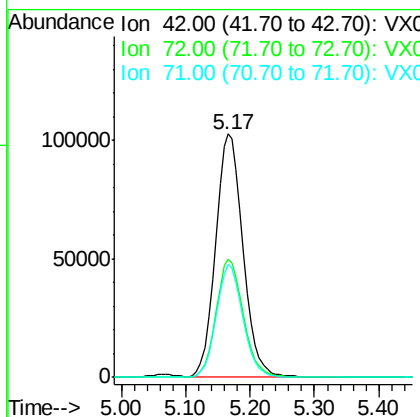
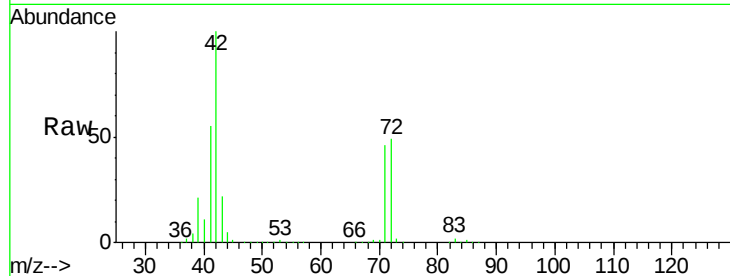
#29
Tetrahydrofuran
Concen: 239.36 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	32.0	48.0#
71	45.2	30.1	45.1#

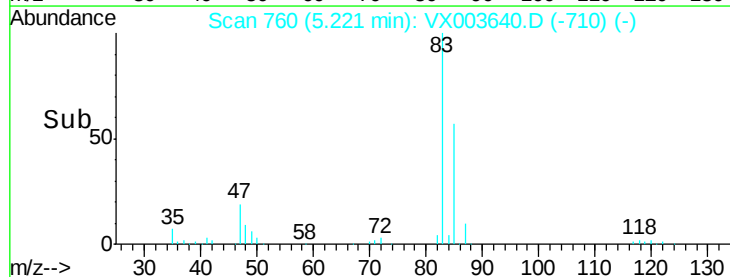
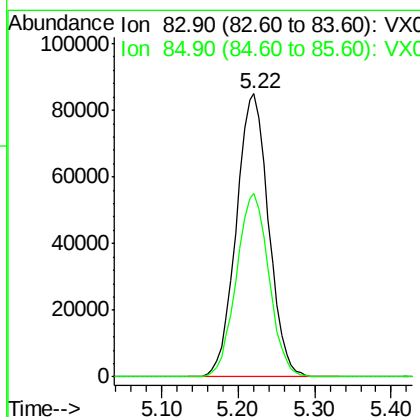
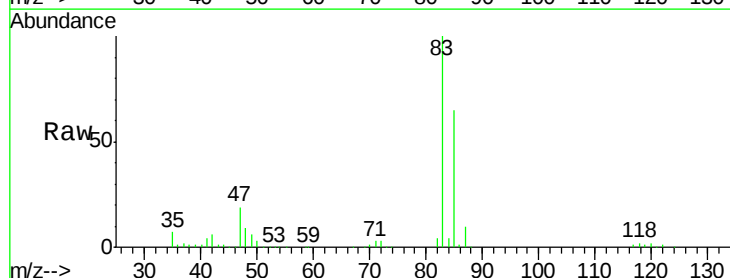
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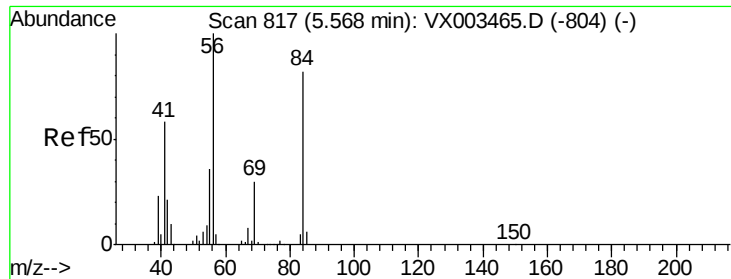
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#30
Chloroform
Concen: 49.48 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.4	75.6





#31

Cyclohexane

Concen: 44.05 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

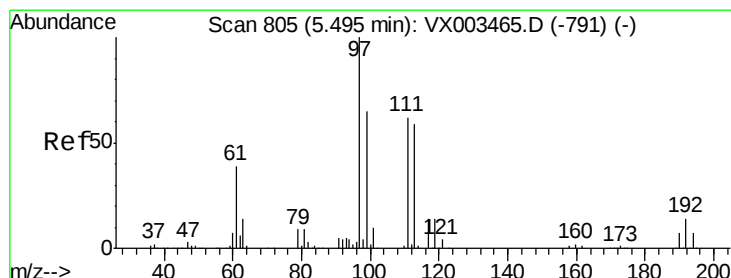
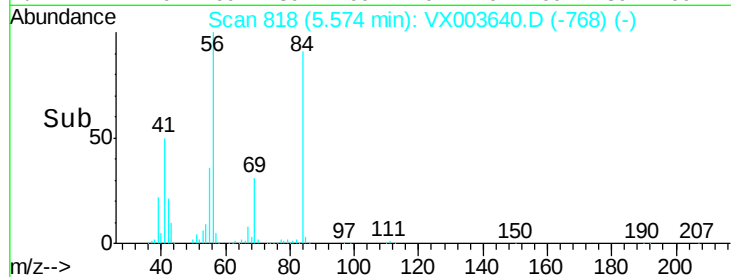
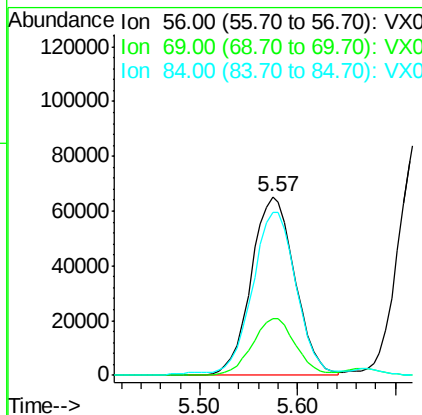
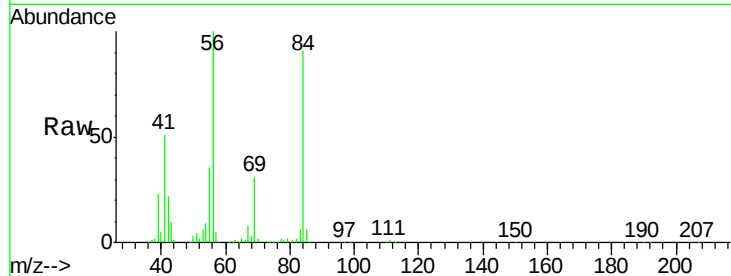
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	202943
Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.7	35.5
84	89.7	64.1	96.1

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#32

1,1,1-Trichloroethane

Concen: 50.07 ug/l

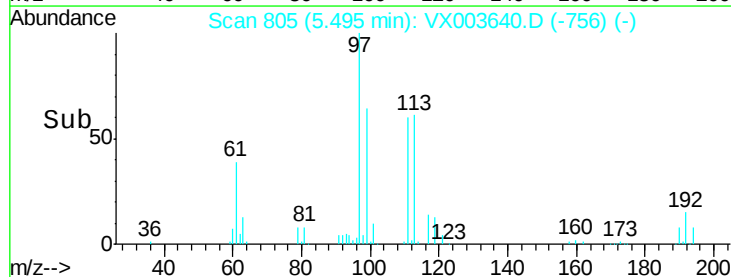
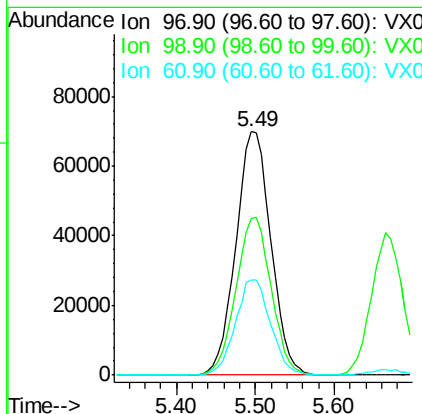
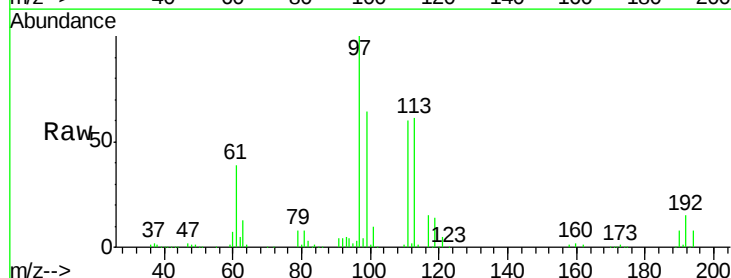
RT: 5.49 min Scan# 805

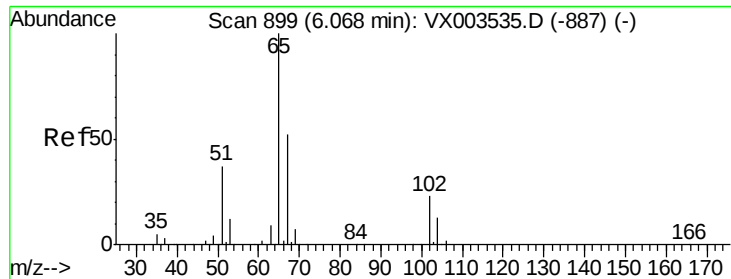
Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion:	97	Resp:	215846
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	39.4	36.4	54.6





#33

1,2-Dichloroethane-d4

Concen: 48.93 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 149600

Ion Ratio Lower Upper

65 100

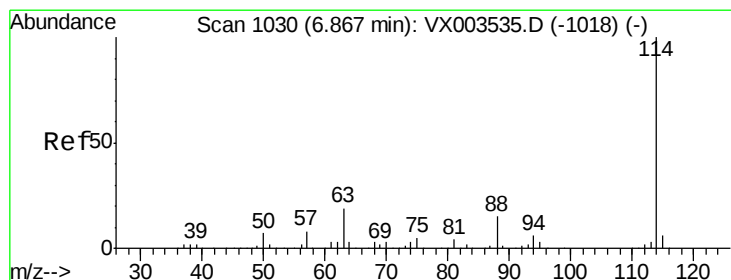
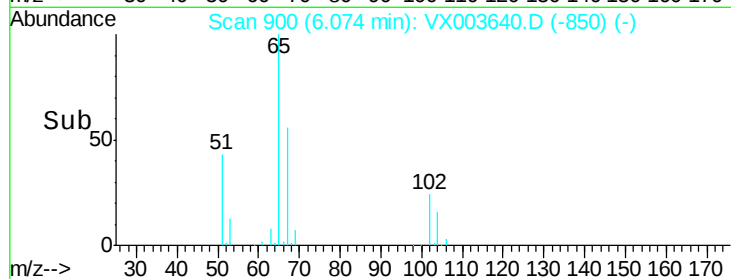
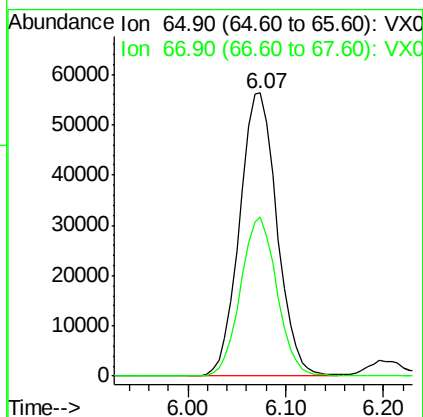
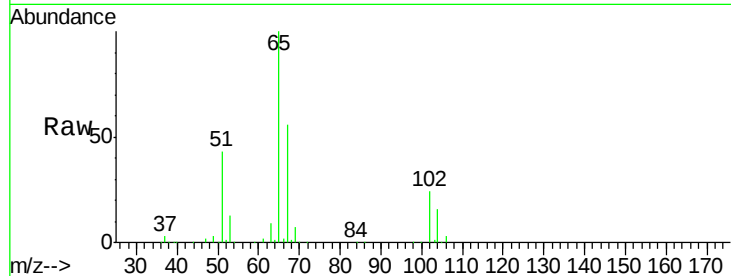
67 54.7 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

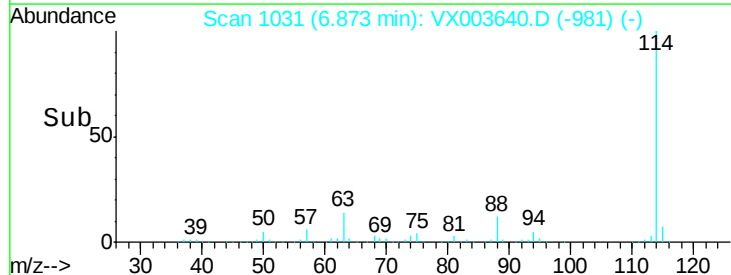
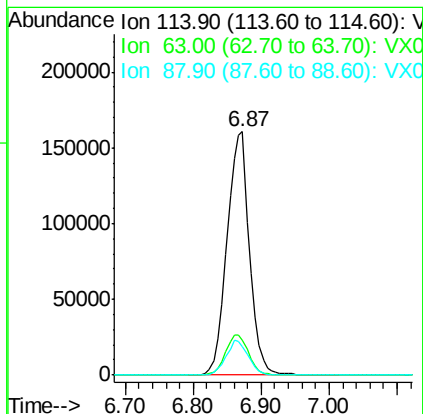
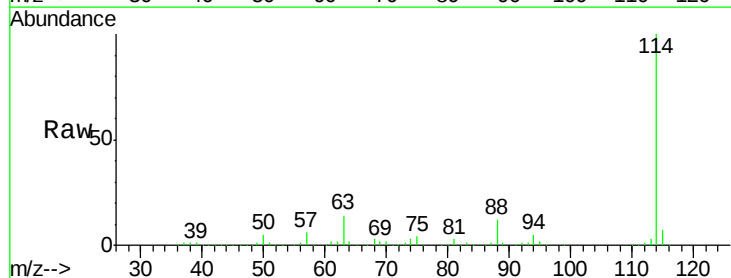
Tgt Ion: 114 Resp: 365131

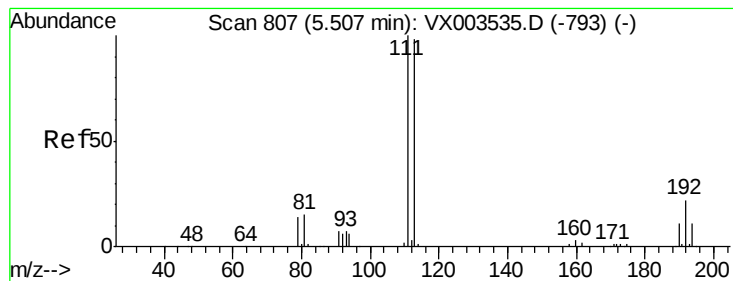
Ion Ratio Lower Upper

114 100

63 14.3 0.0 41.4

88 11.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.91 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

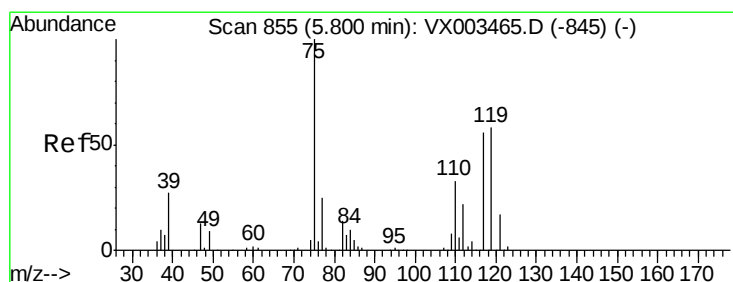
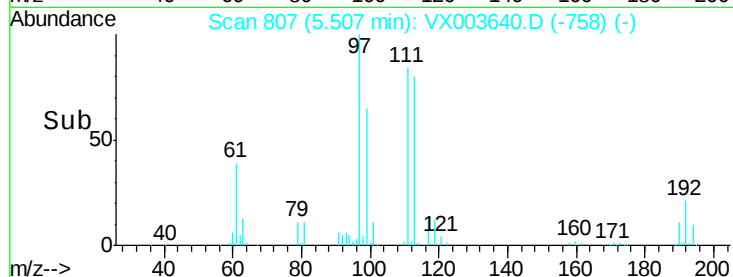
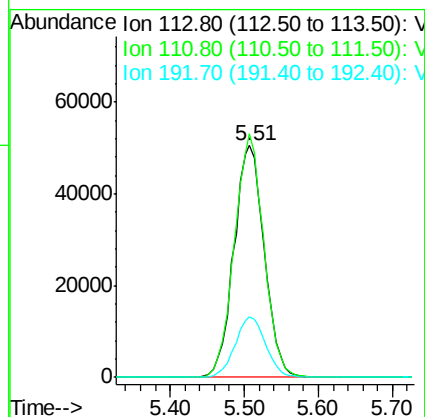
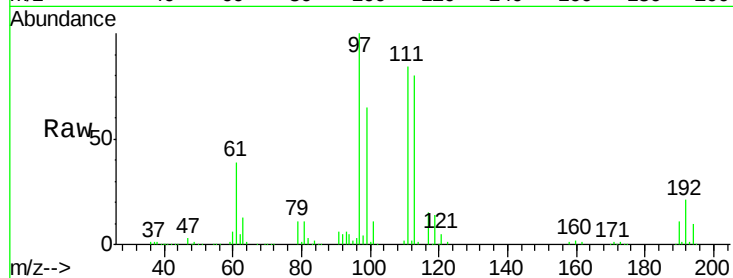
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	144380
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.4	122.0
192	26.1	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 45.40 ug/l

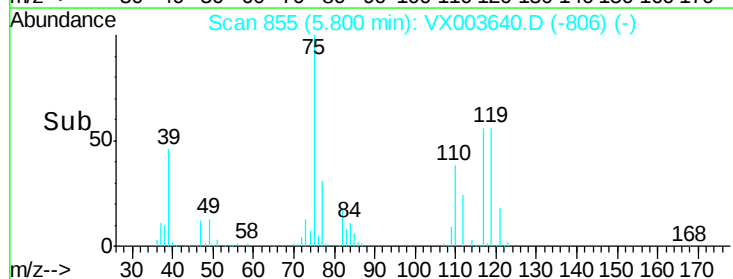
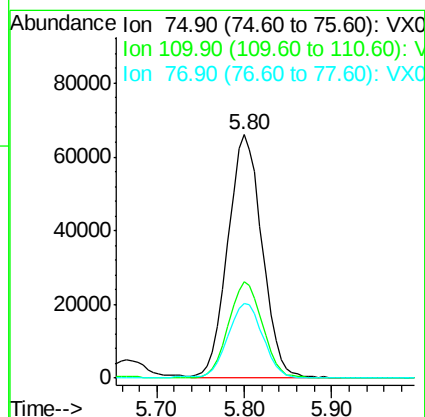
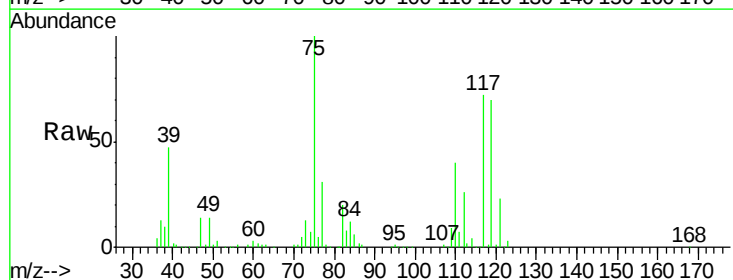
RT: 5.80 min Scan# 855

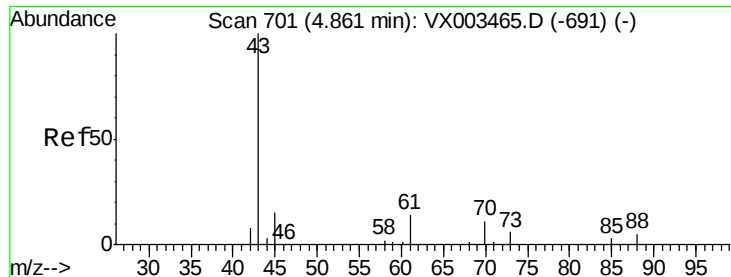
Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion:	75	Resp:	178976
Ion Ratio	Lower	Upper	
75	100		
110	39.6	18.1	54.4
77	31.4	24.3	36.5





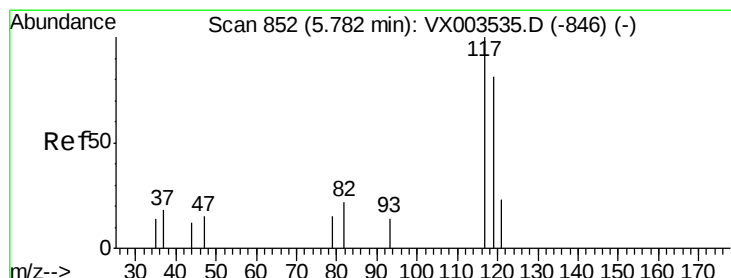
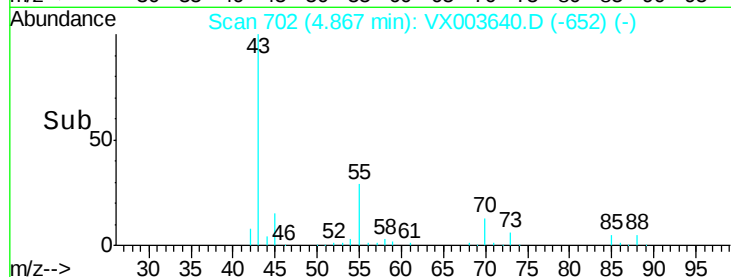
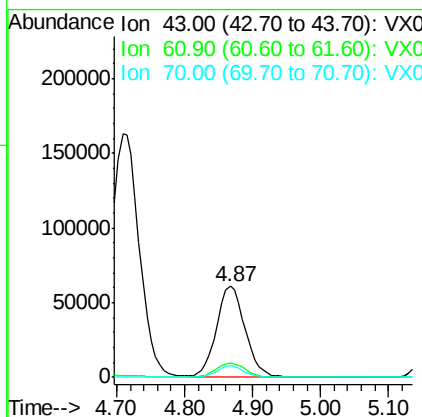
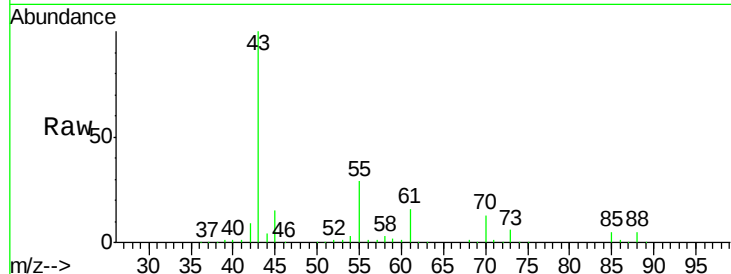
#37
Ethyl Acetate
Concen: 47.58 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	10.4	15.6
70	12.2	7.6	11.4

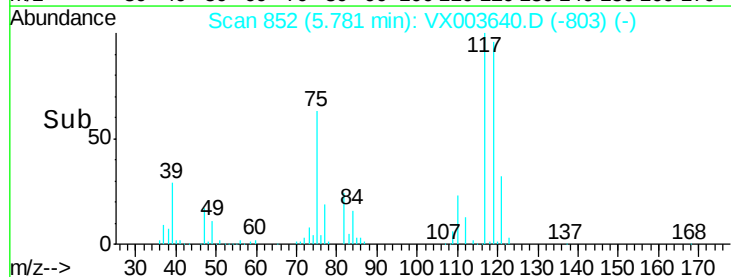
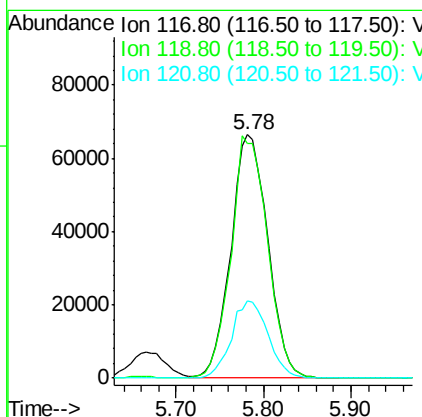
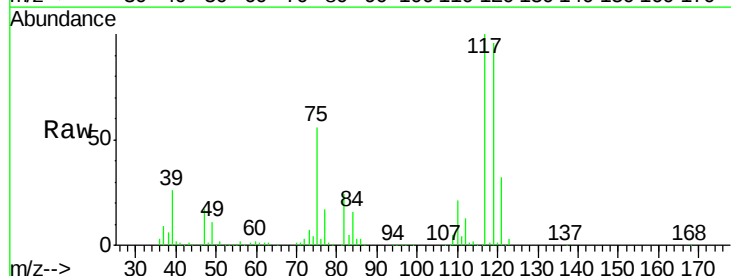
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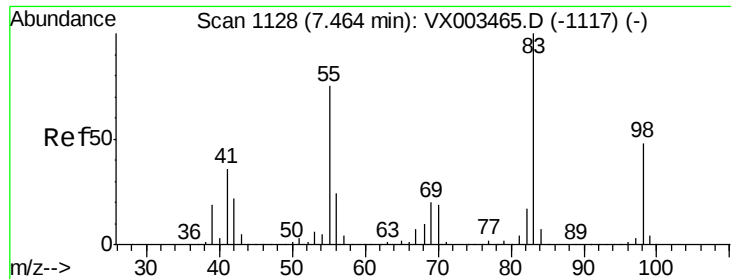
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.60 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
121	31.9	24.4	36.6





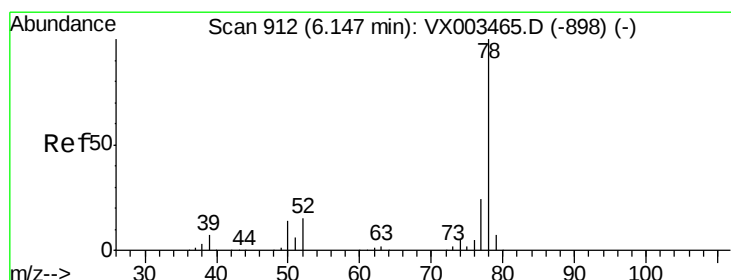
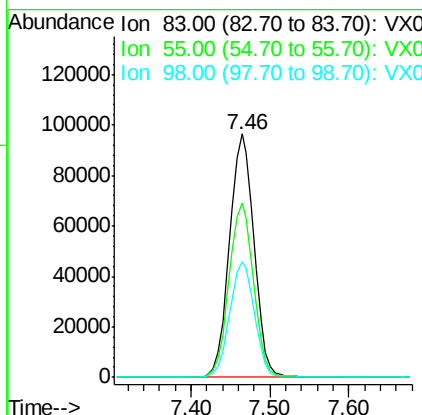
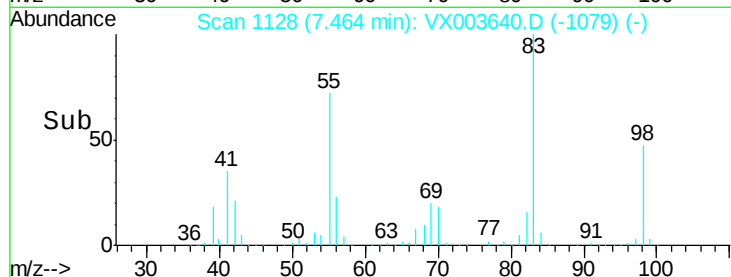
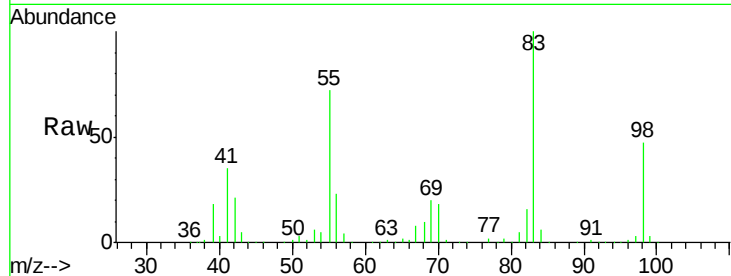
#39
Methvlcvclohexane
Concen: 44.68 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.9	65.4	98.0
98	47.3	37.4	56.0

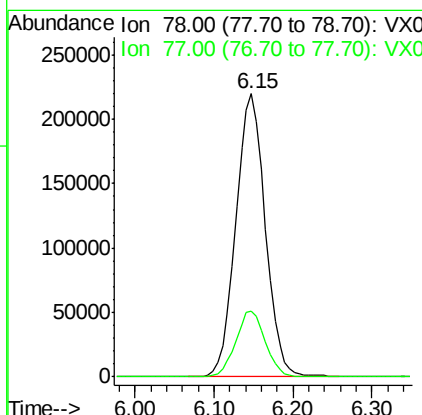
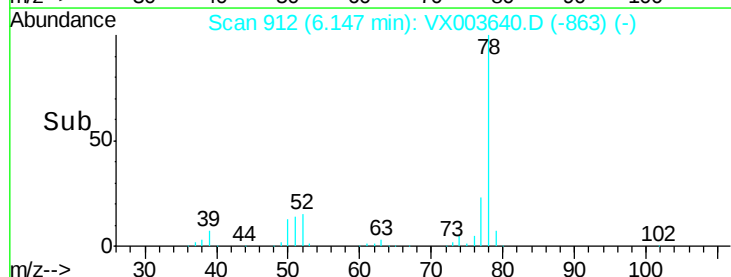
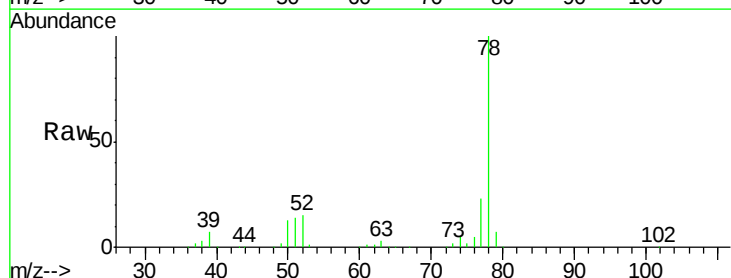
Manual Integrations
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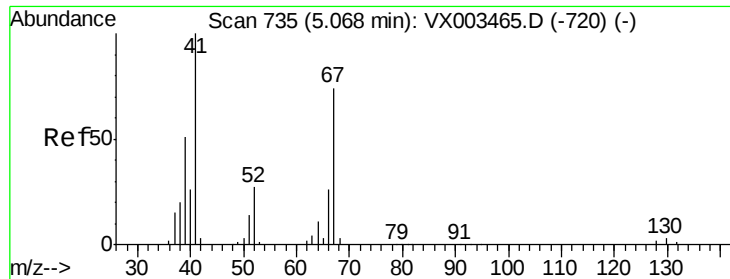
MMDadoda
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#40
Benzene
Concen: 47.92 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





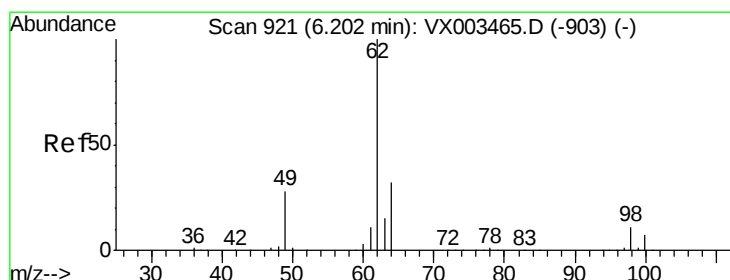
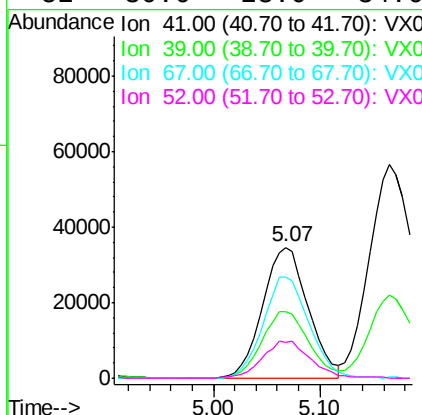
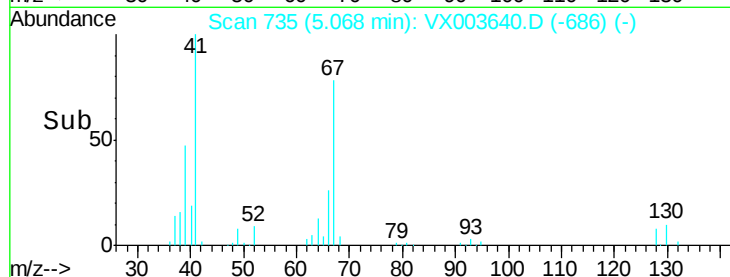
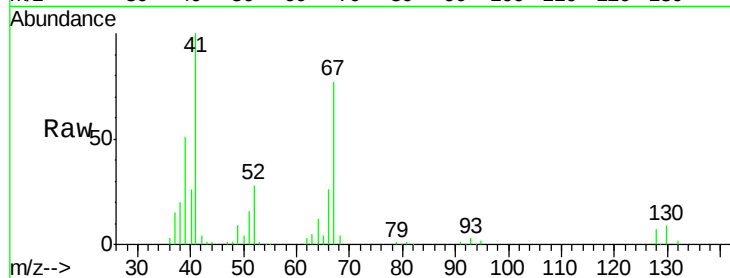
#41
Methacrylonitrile
Concen: 46.95 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	45.8	68.6
67	78.6	51.3	76.9
52	30.6	23.0	34.6

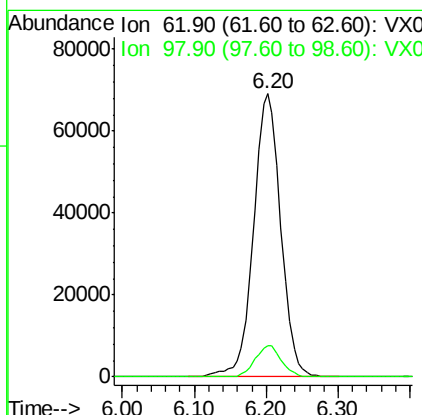
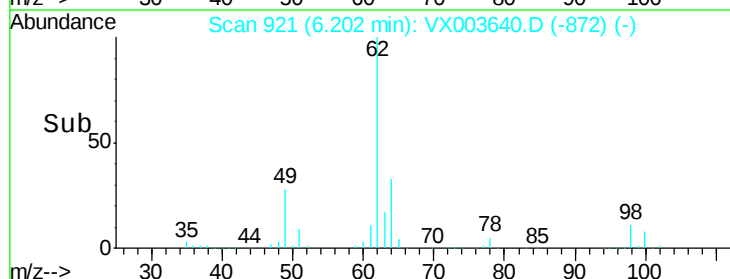
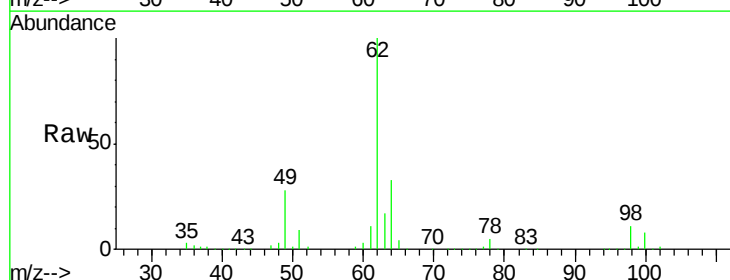
Manual Integrations
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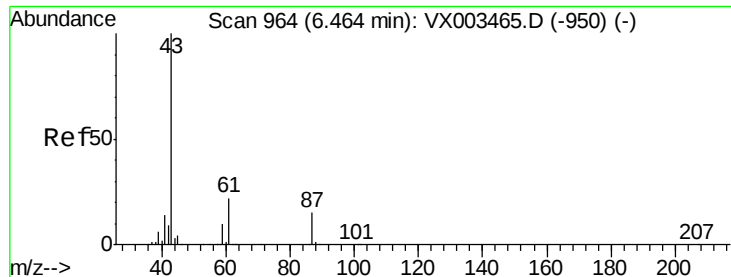
MMDadoda
7/24/2018 3:55:15 PM



#42
1,2-Dichloroethane
Concen: 48.45 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	16.6





#43

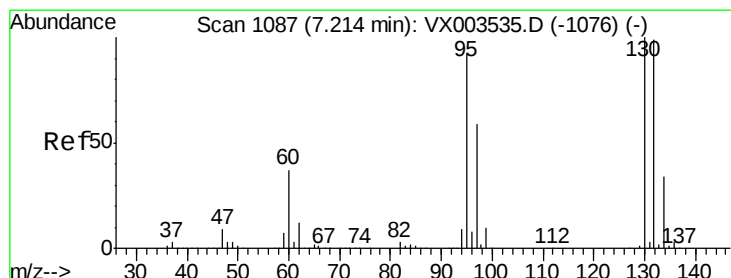
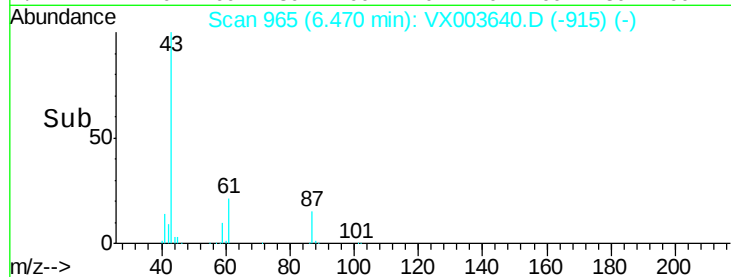
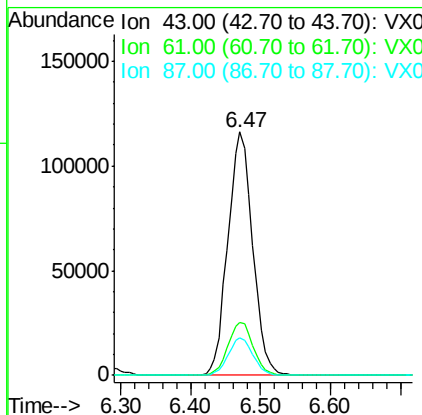
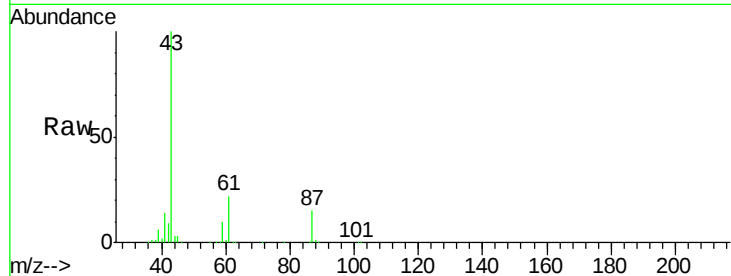
Isopropyl Acetate
 Concen: 48.26 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	22.1	14.4	21.6#	
87	15.4	9.5	14.3#	

Manual Integrations
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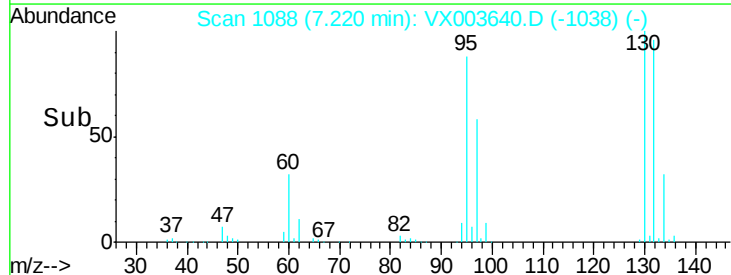
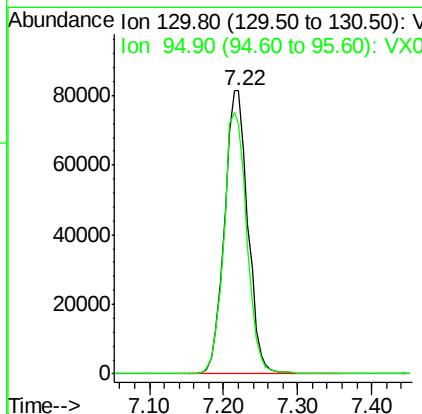
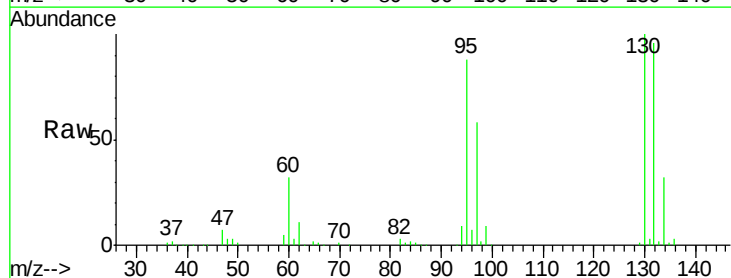
MMDadoda
 7/24/2018 3:55:15 PM

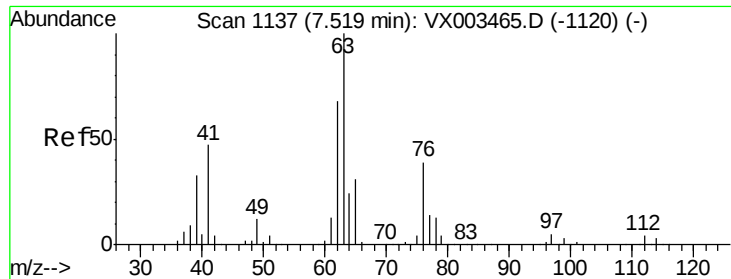


#44

Trichloroethene
 Concen: 50.36 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Resp	Lower	Upper
130	100			
95	88.2	0.0	185.4	





#45

1,2-Dichloropropane

Concen: 48.31 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 145999

Ion Ratio Lower Upper

63 100

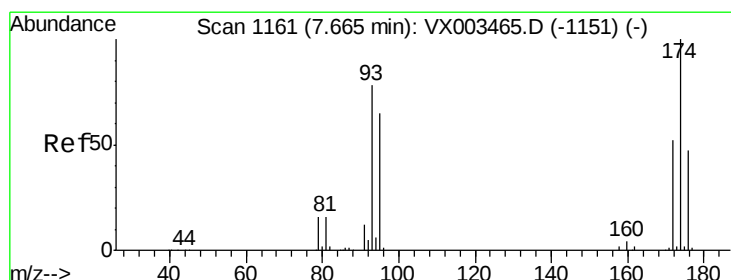
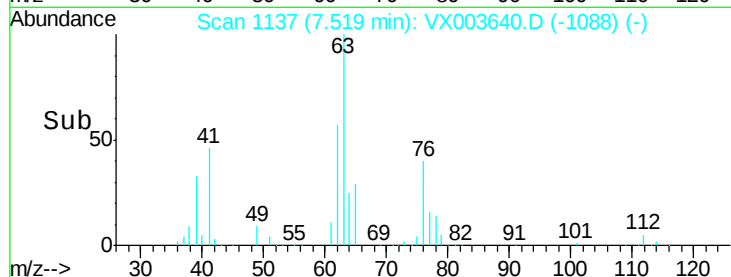
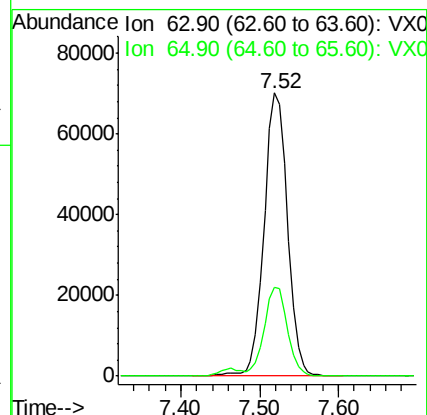
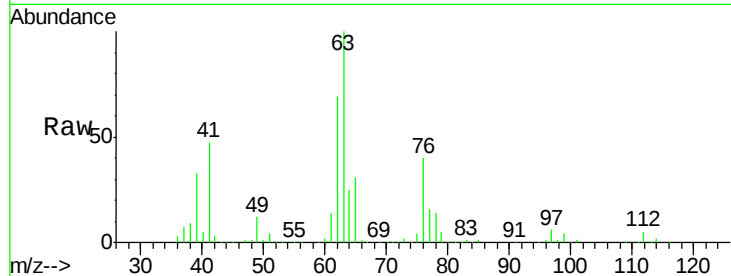
65 31.2 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 50.75 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

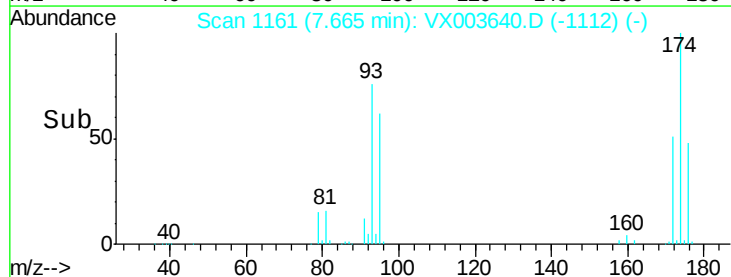
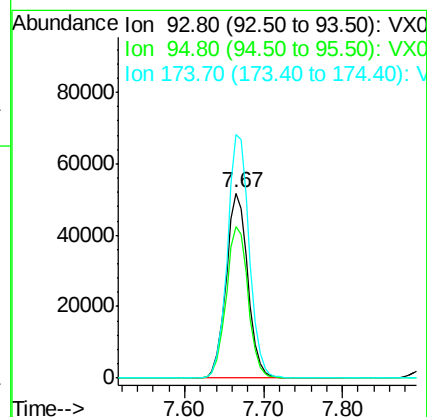
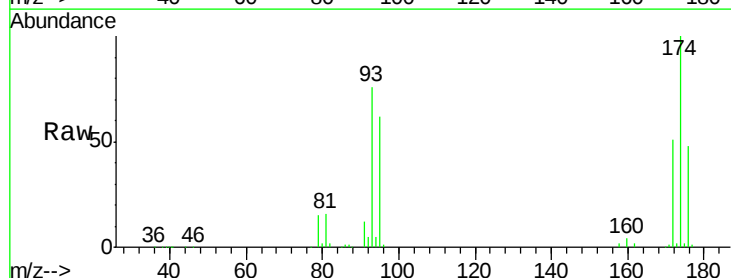
Tgt Ion: 93 Resp: 98753

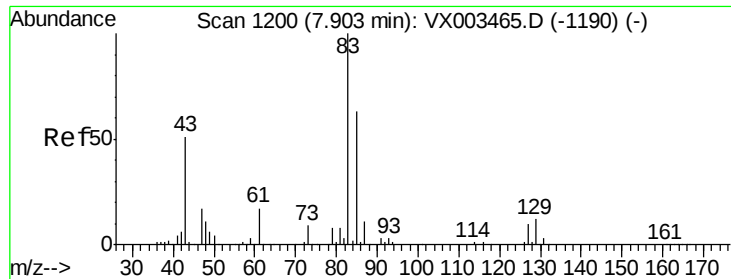
Ion Ratio Lower Upper

93 100

95 83.2 65.9 98.9

174 132.5 92.4 138.6





#47

Bromodichloromethane

Concen: 51.47 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

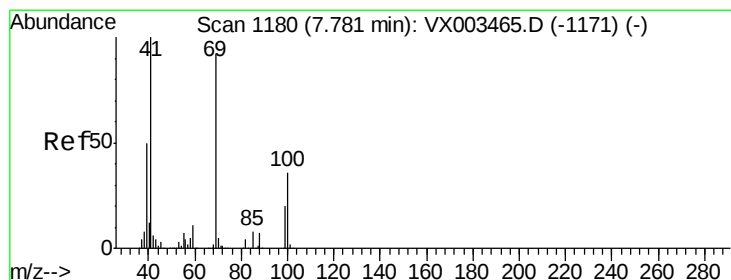
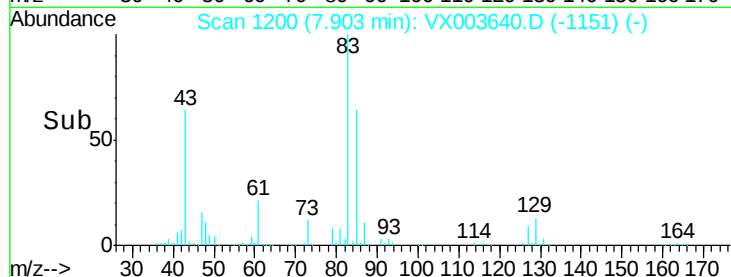
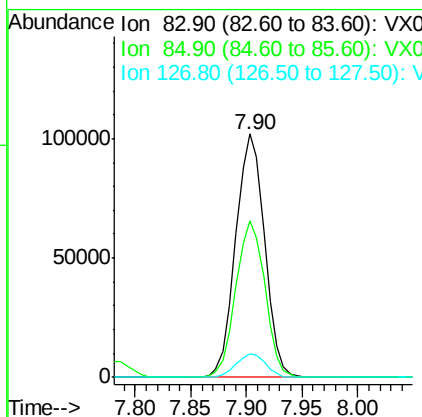
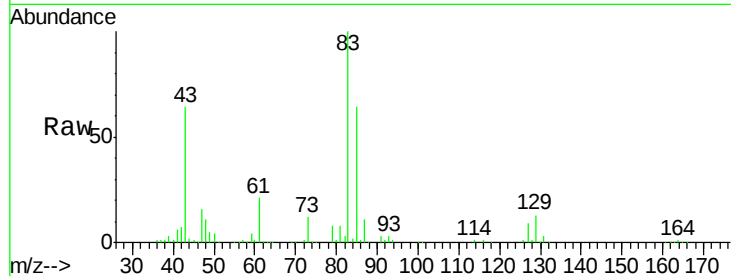
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	183323
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.3	75.5
127	9.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.38 ug/l

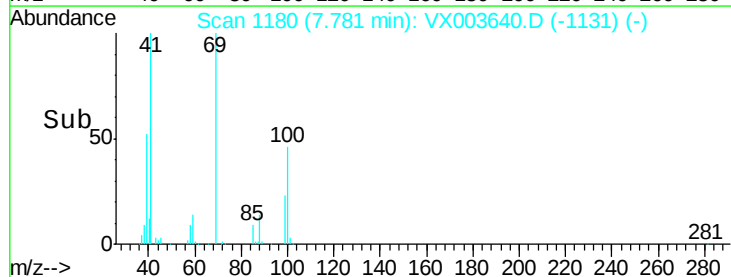
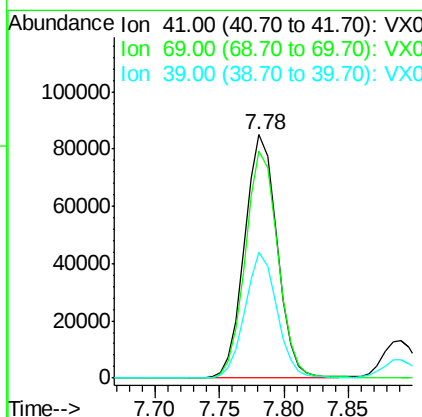
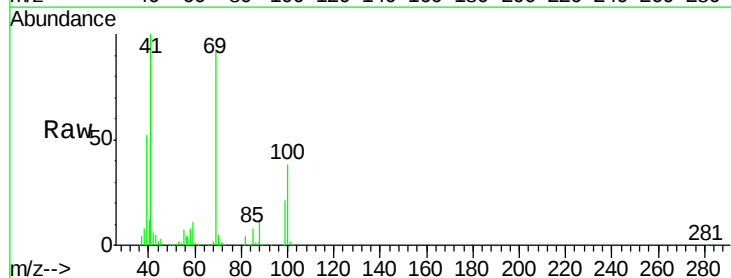
RT: 7.78 min Scan# 1180

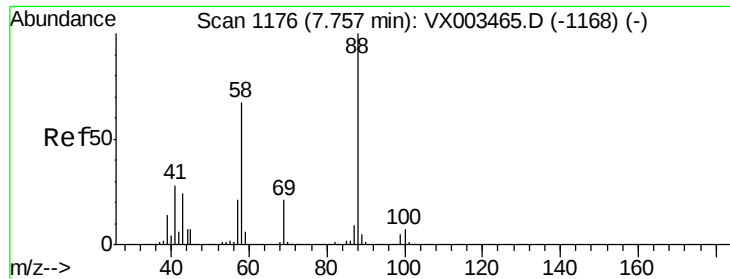
Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion:	41	Resp:	147763
Ion Ratio	Lower	Upper	
41	100		
69	94.1	59.1	88.7#
39	50.6	48.9	73.3





#49

1,4-Dioxane

Concen: 1069.99 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

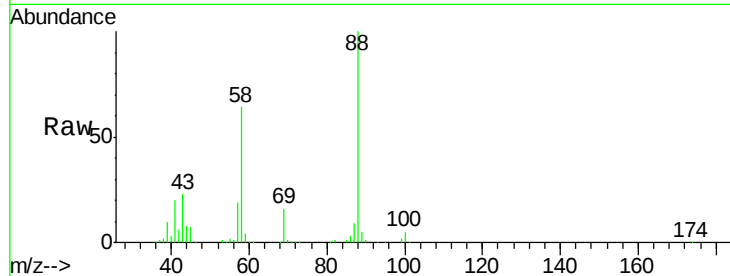
ClientSampleId :

VSTDCCC050EC

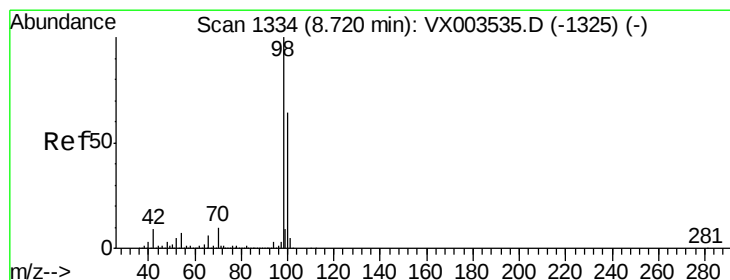
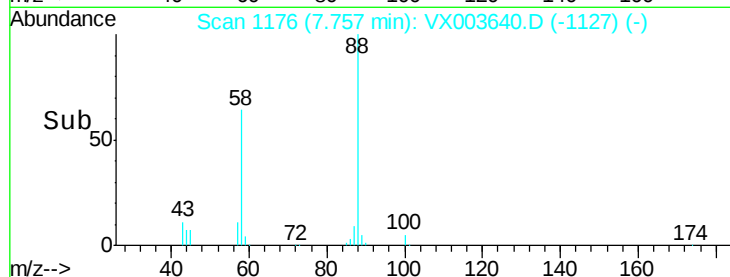
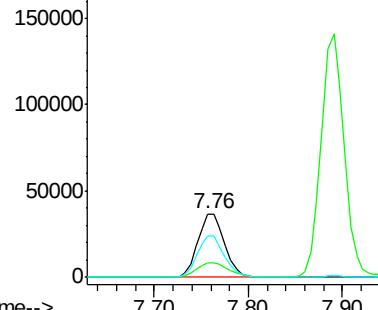
Tot Ion:	88	Resp:	72550
Ion	Ratio	Lower	Upper
88	100		
43	26.9	29.8	44.6#
58	66.3	57.1	85.7

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Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.62 ug/l

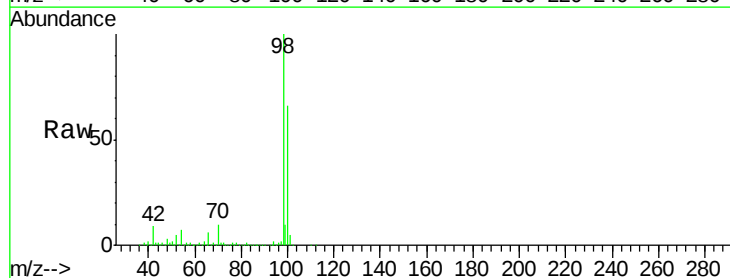
RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

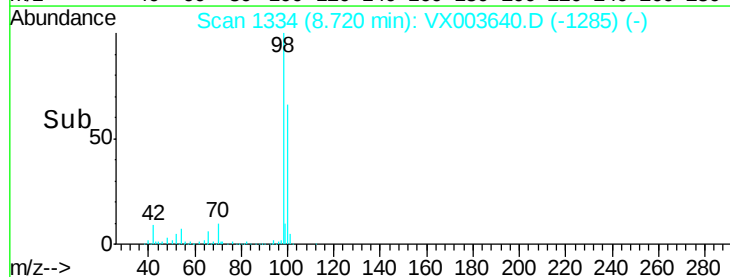
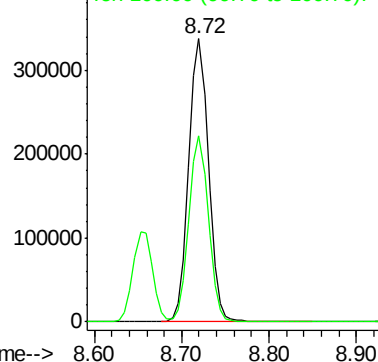
Lab File: VX003640.D

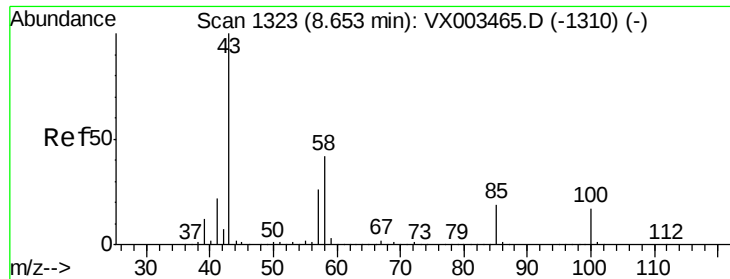
Acq: 24 Jul 2018 08:29

Tgt Ion:	98	Resp:	529148
Ion	Ratio	Lower	Upper
98	100		
100	65.4	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





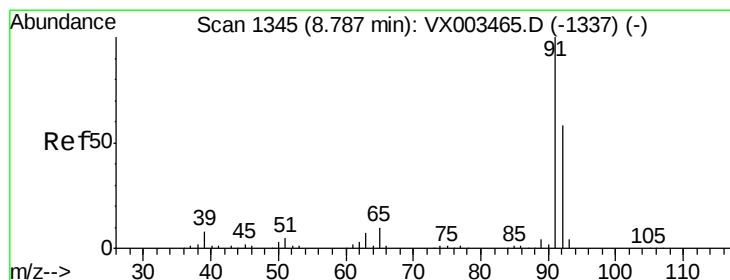
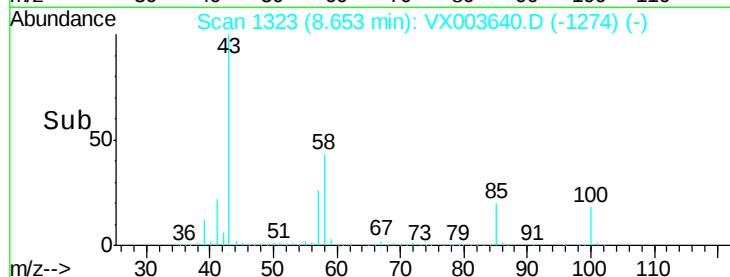
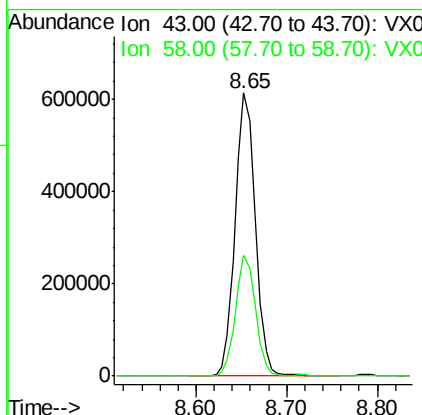
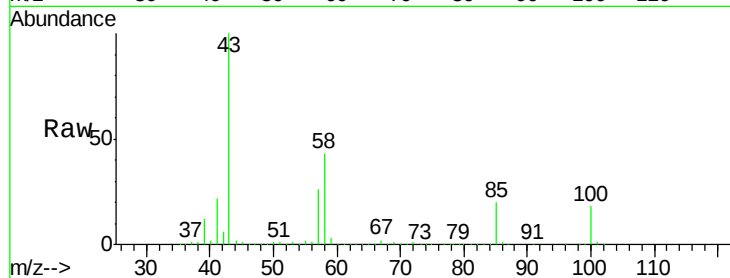
#51
4-Methyl-2-Pentanone
Concen: 253.96 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	42.2		28.6	42.8	

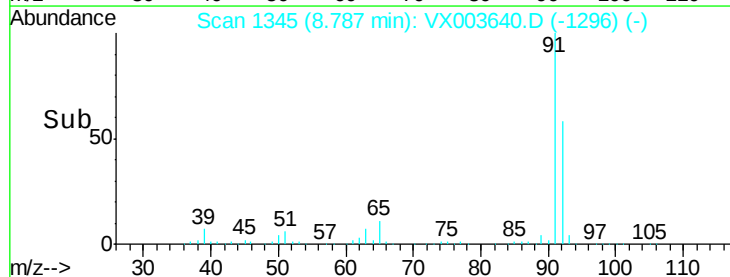
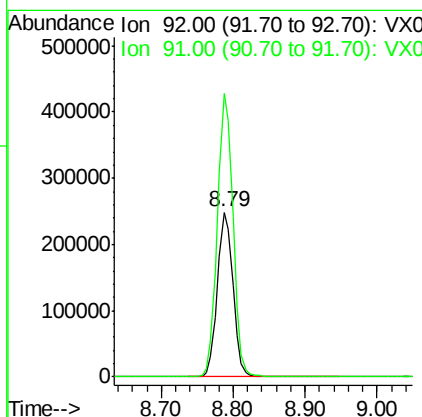
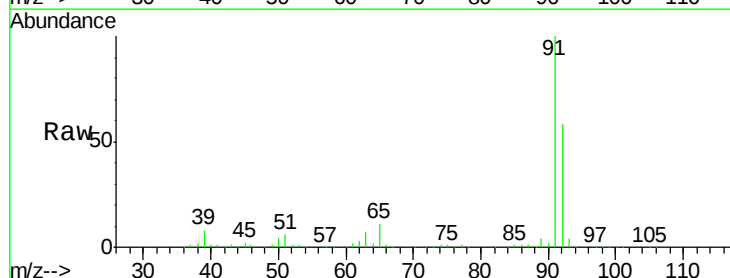
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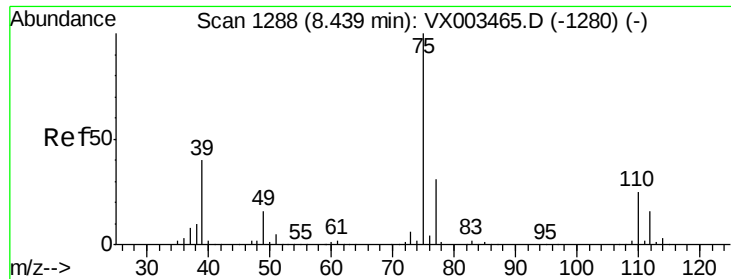
MMDadoda
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#52
Toluene
Concen: 49.72 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	172.8		140.4	210.6	





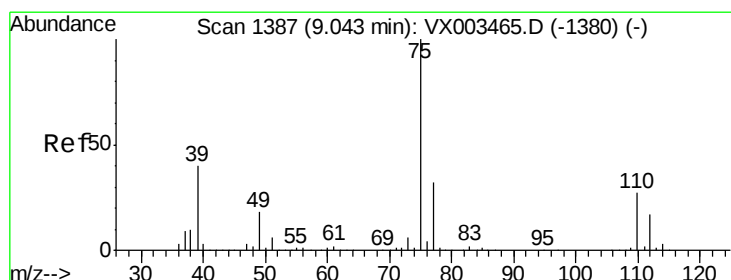
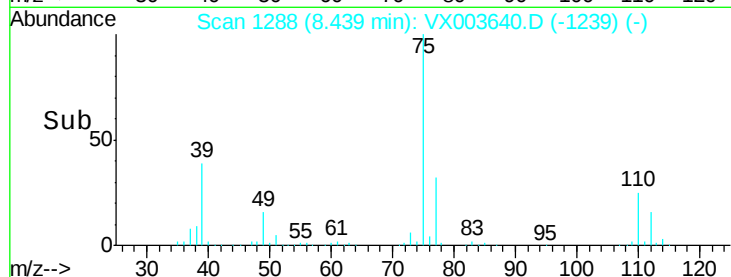
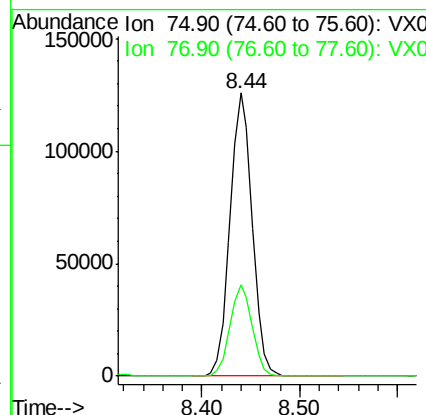
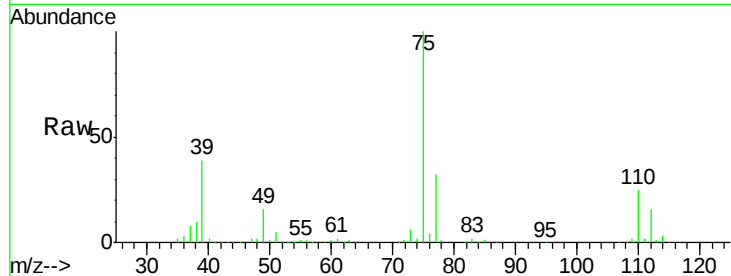
#53
t-1,3-Dichloropropene
Concen: 45.05 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100	197516		
77	32.2	25.4	38.2	

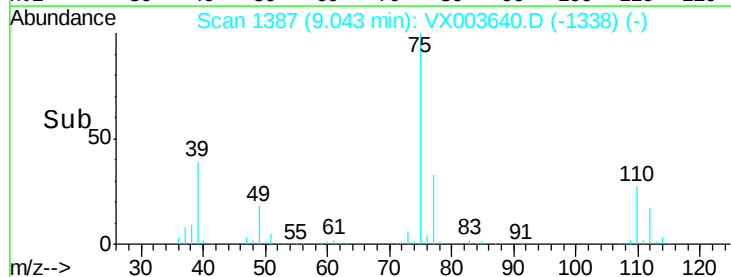
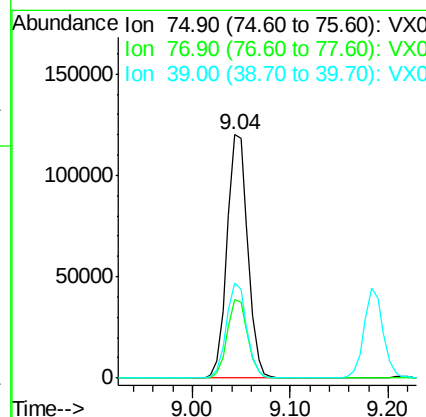
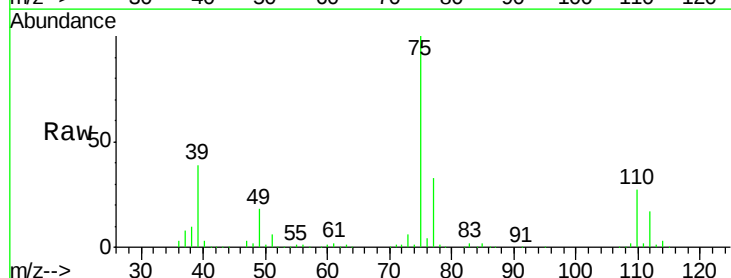
Manual Integrations
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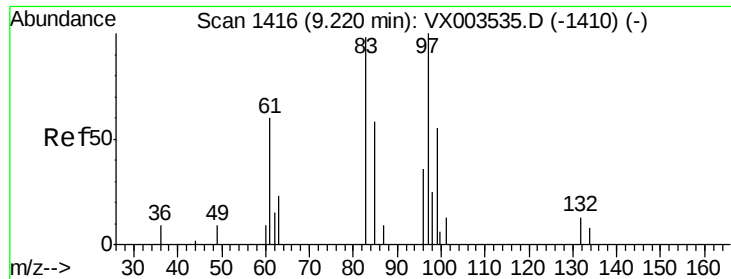
MMDadoda
7/24/2018 3:55:15 PM



#54
cis-1,3-Dichloropropene
Concen: 44.77 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	176513		
77	32.5	24.8	37.2	
39	38.9	42.4	63.6#	





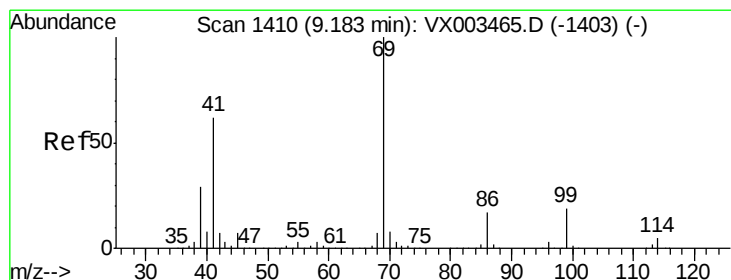
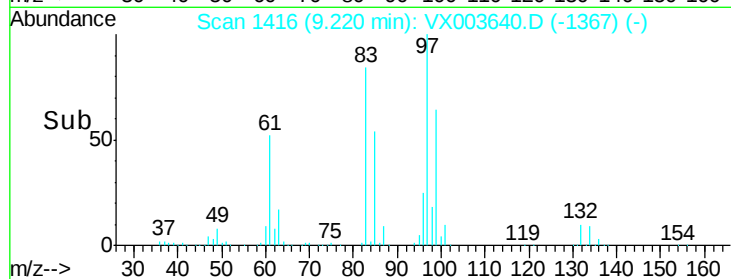
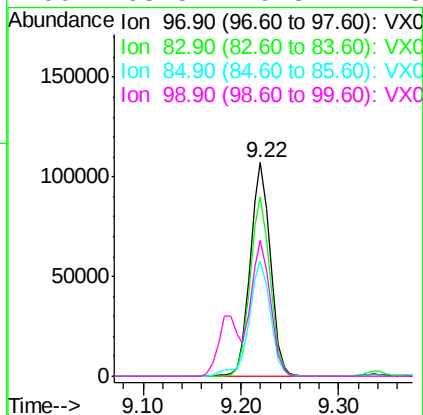
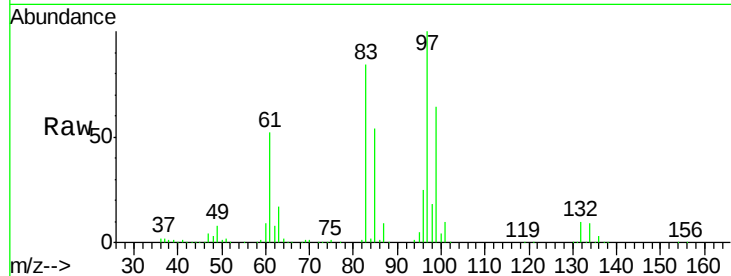
#55
 1,1,2-Trichloroethane
 Concen: 51.39 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	153211
Ion	Ratio	Lower	Upper
97	100		
83	84.2	70.2	105.2
85	54.1	44.9	67.3
99	63.8	49.8	74.8

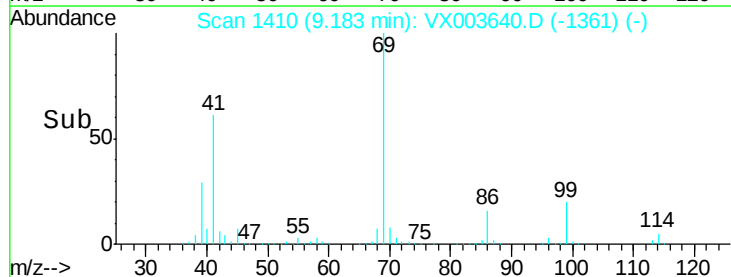
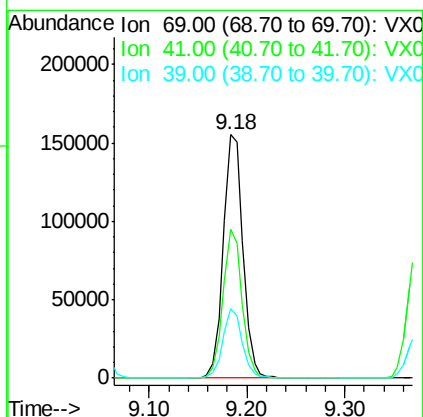
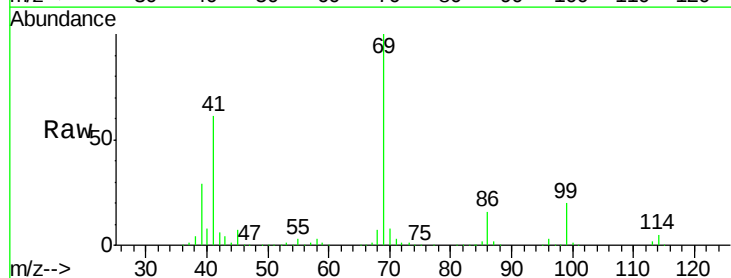
Manual Integrations
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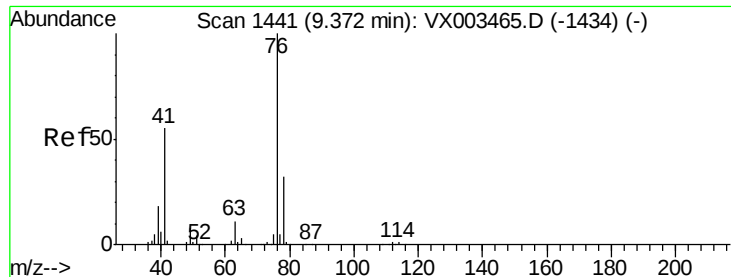
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 51.46 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion:	69	Resp:	216093
Ion	Ratio	Lower	Upper
69	100		
41	59.1	60.3	90.5#
39	28.0	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 50.44 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 243069

Ion Ratio Lower Upper

76 100

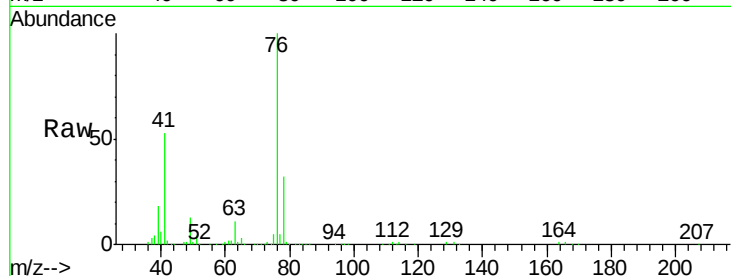
78 32.0 25.8 38.6

Manual Integrations

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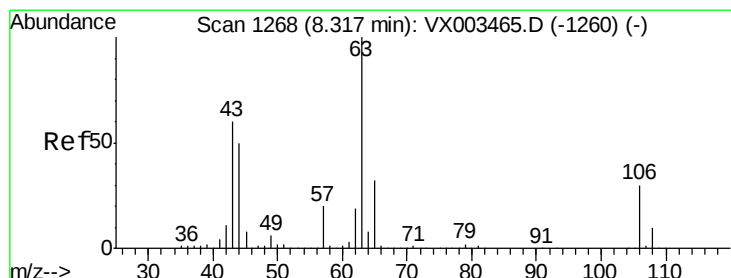
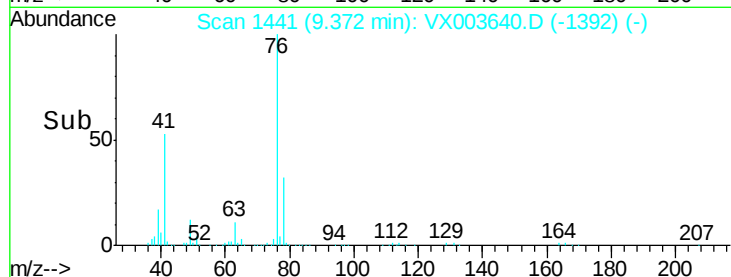
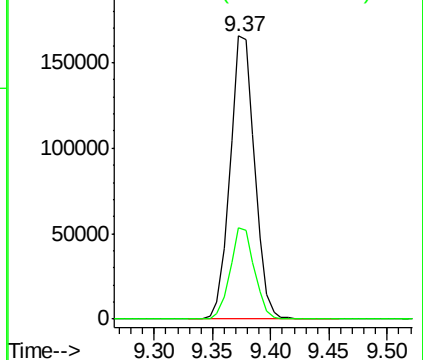
MMDadoda

7/24/2018 3:55:15 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 237.07 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003640.D

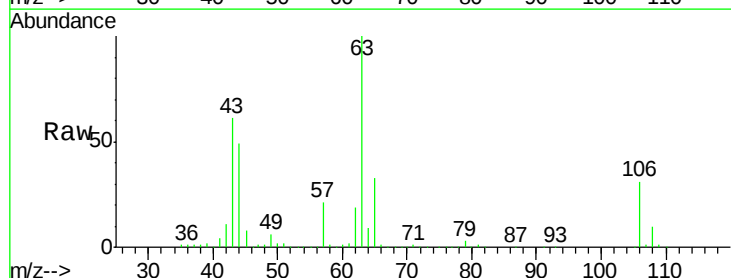
Acq: 24 Jul 2018 08:29

Tgt Ion: 63 Resp: 484061

Ion Ratio Lower Upper

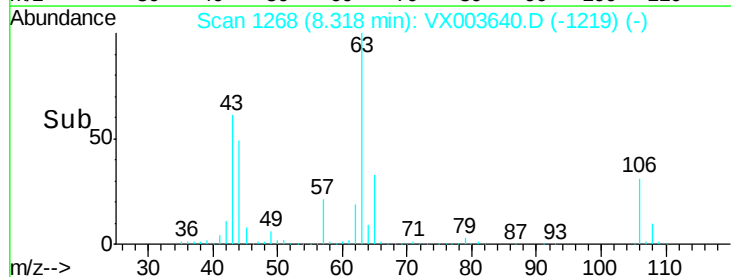
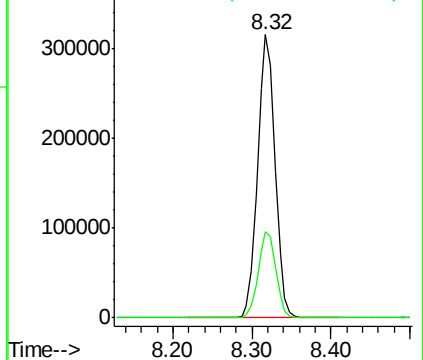
63 100

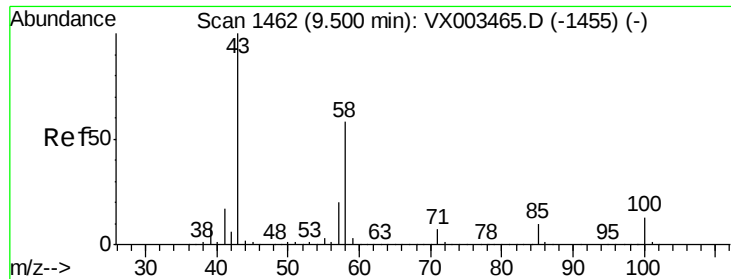
106 30.9 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





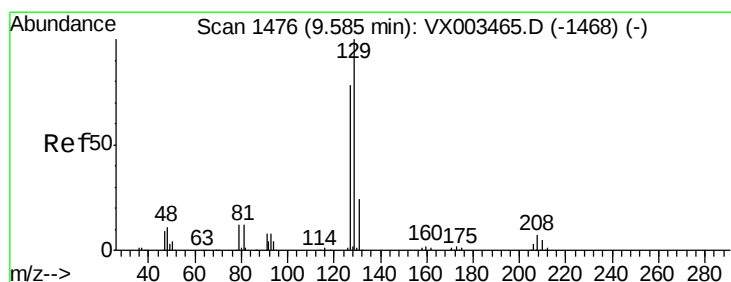
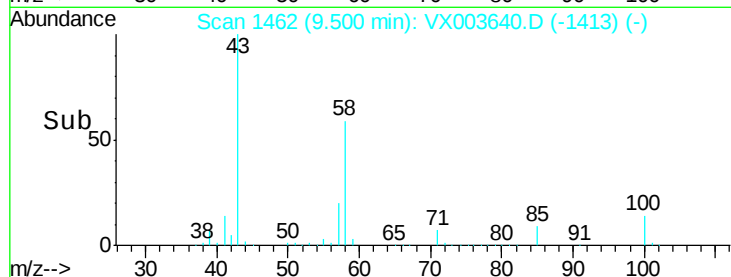
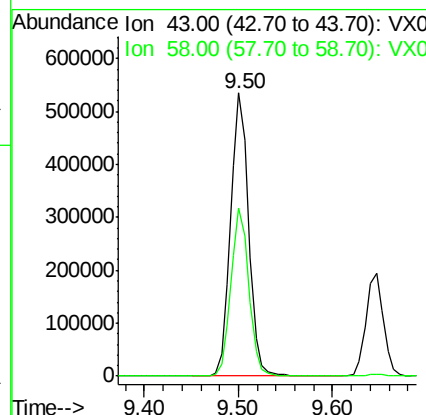
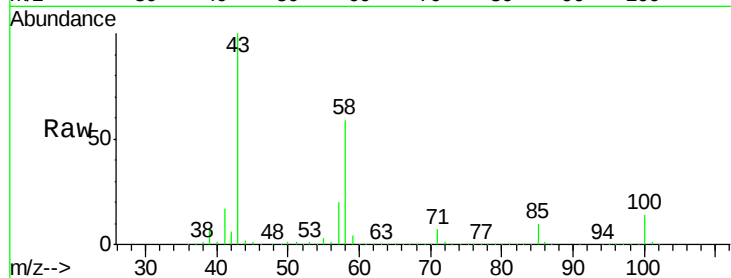
#59
2-Hexanone
Concen: 256.16 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 711523
Ion Ratio Lower Upper
43 100
58 58.8 24.6 73.6

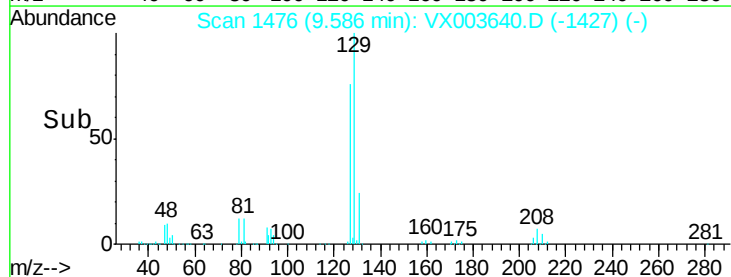
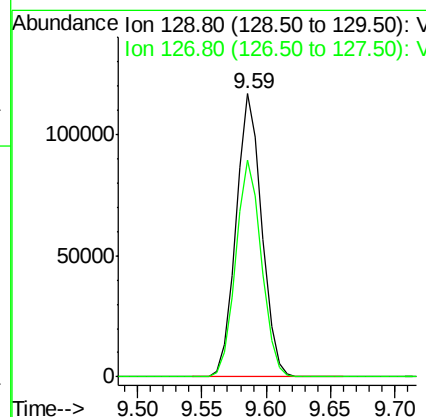
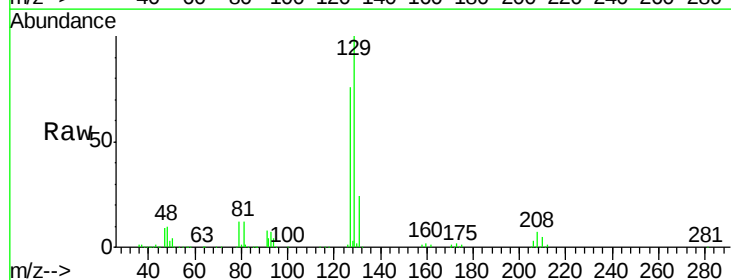
Manual Integrations
APPROVED

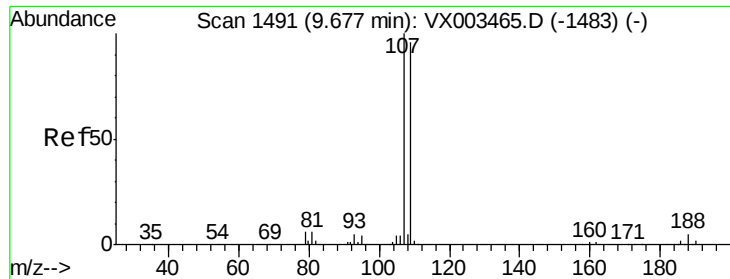
MMDadoda
7/24/2018 3:55:15 PM



#60
Dibromochloromethane
Concen: 55.08 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 129 Resp: 162530
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.61 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 159494

Ion Ratio Lower Upper

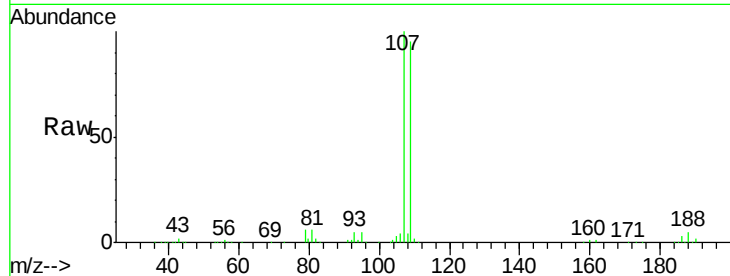
107 100

109 94.8 75.3 112.9

Manual Integrations
APPROVED

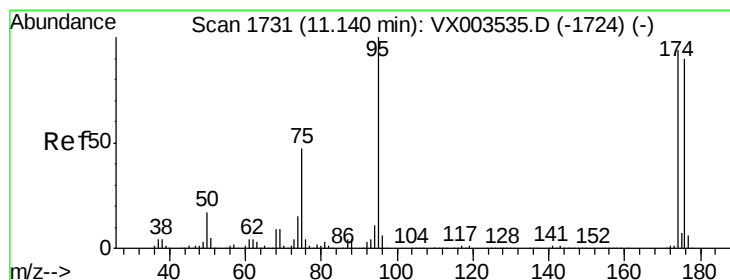
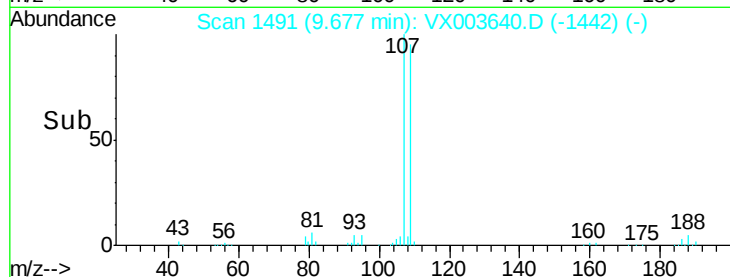
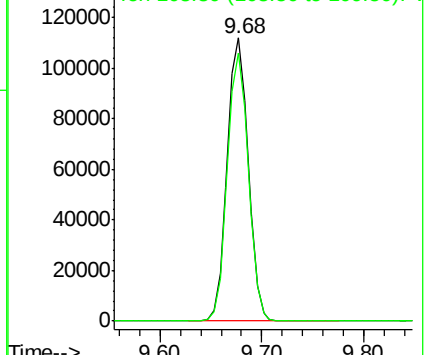
MMDadoda

7/24/2018 3:55:15 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

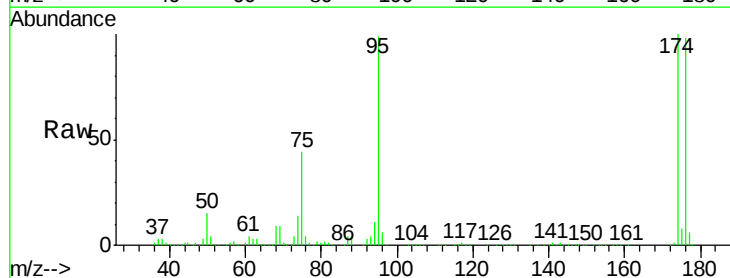
Tgt Ion: 95 Resp: 194669

Ion Ratio Lower Upper

95 100

174 103.0 0.0 187.4

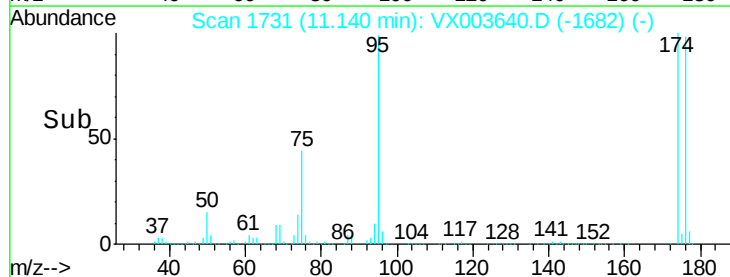
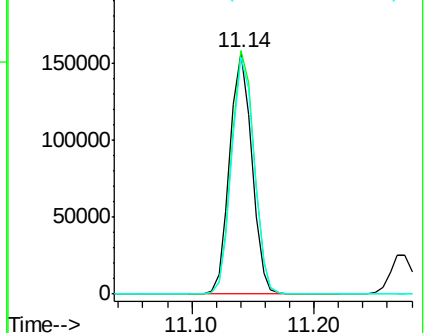
176 99.9 0.0 181.0

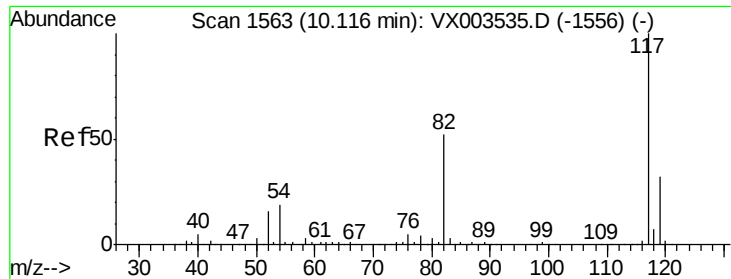


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





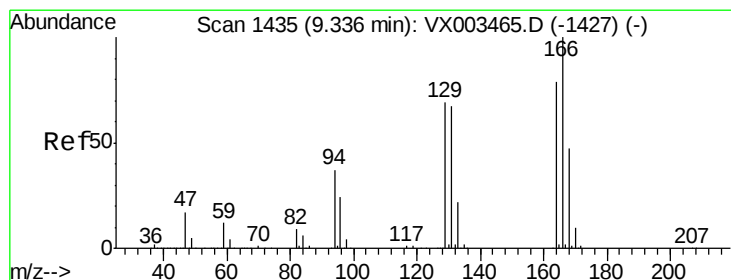
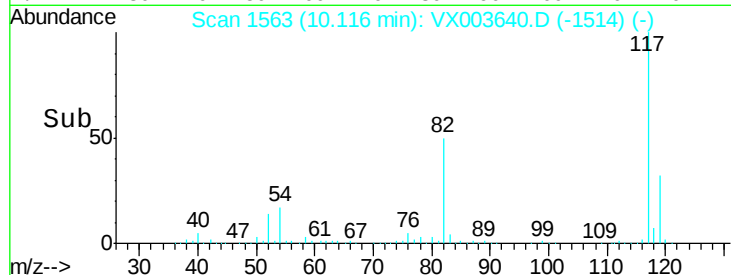
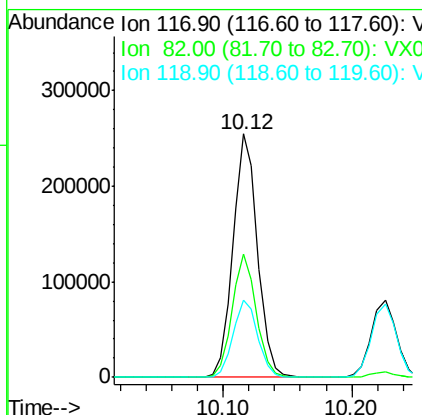
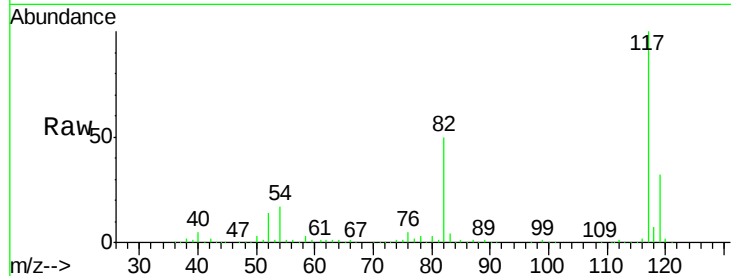
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	45.0	67.4
119	31.7	25.8	38.6

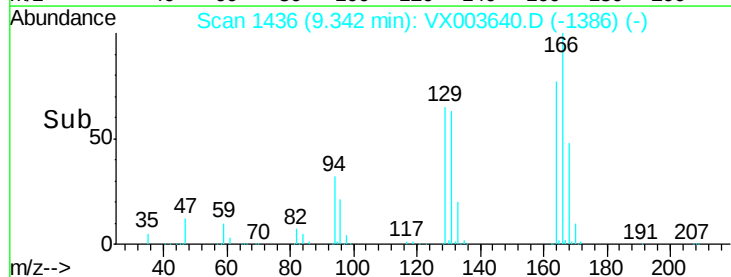
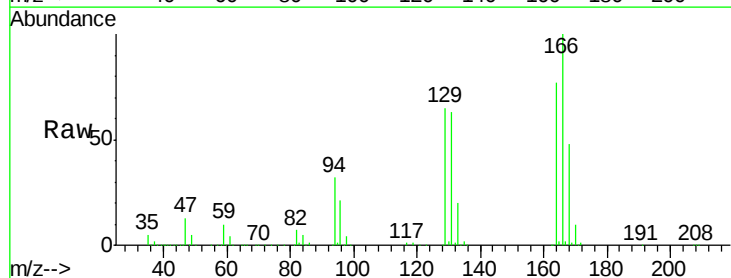
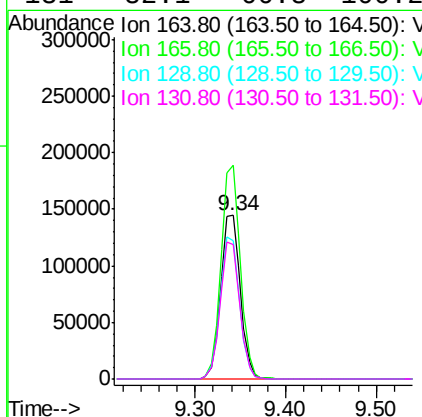
Manual Integrations
APPROVED

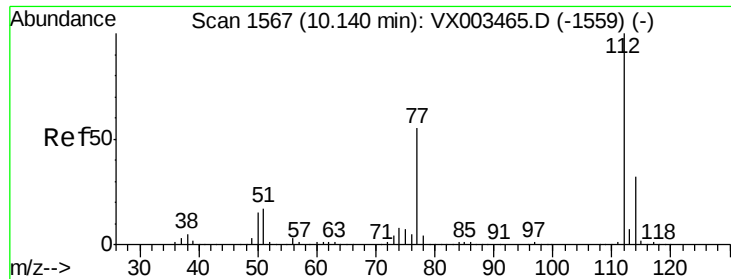
MMDadoda
7/24/2018 3:55:15 PM



#64
Tetrachloroethene
Concen: 53.34 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	102.9	154.3
129	84.2	68.6	102.8
131	82.1	66.8	100.2





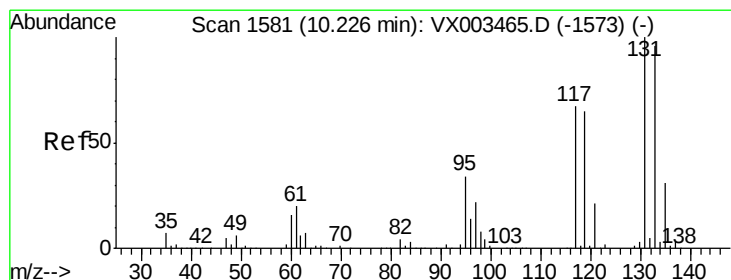
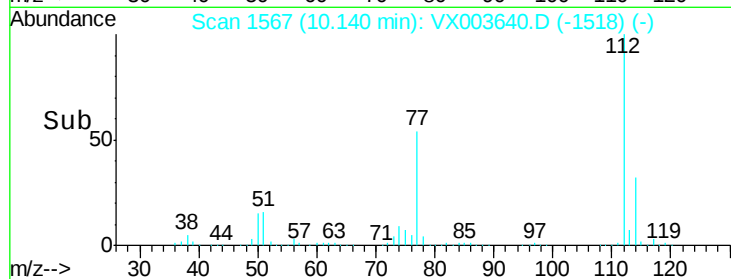
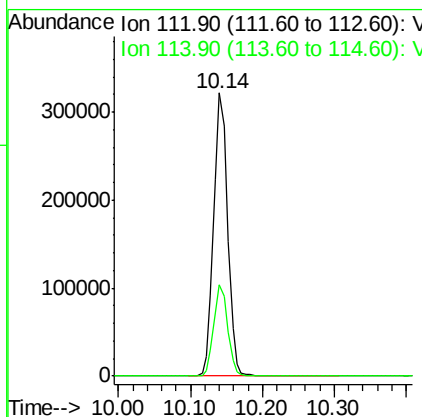
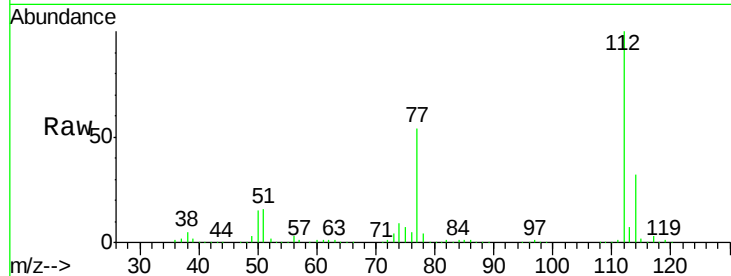
#65
Chlorobenzene
Concen: 49.85 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 432533
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

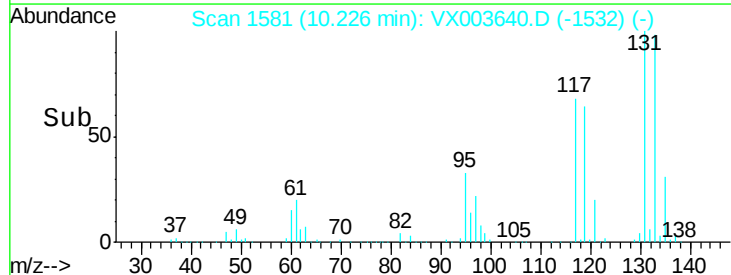
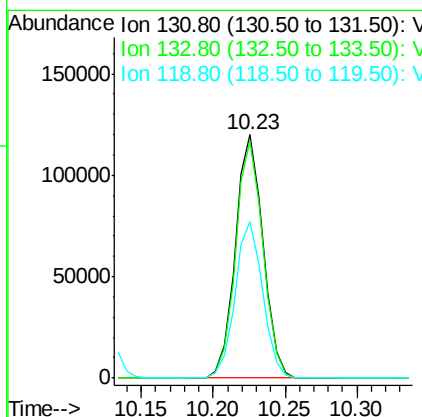
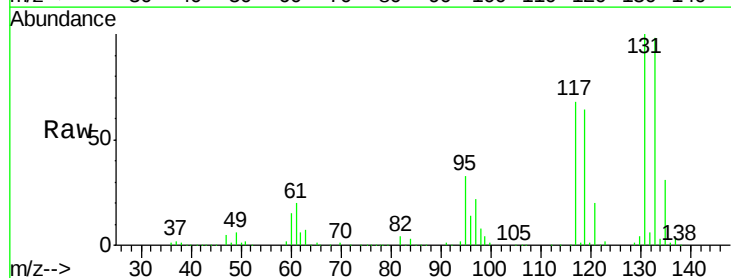
Manual Integrations
APPROVED

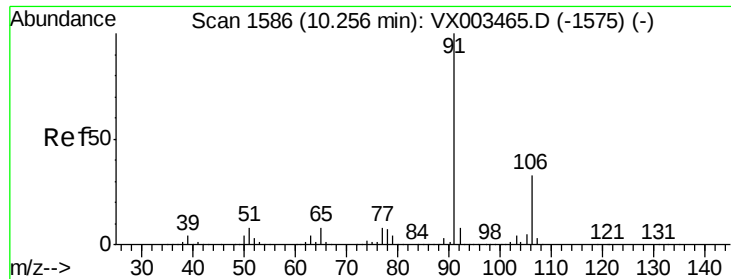
MMDadoda
7/24/2018 3:55:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.64 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion:131 Resp: 160125
Ion Ratio Lower Upper
131 100
133 96.1 47.9 143.6
119 64.3 31.8 95.3





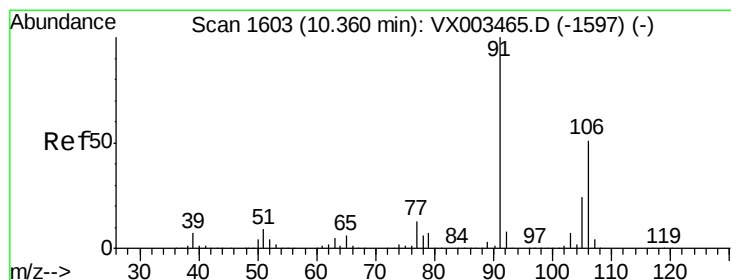
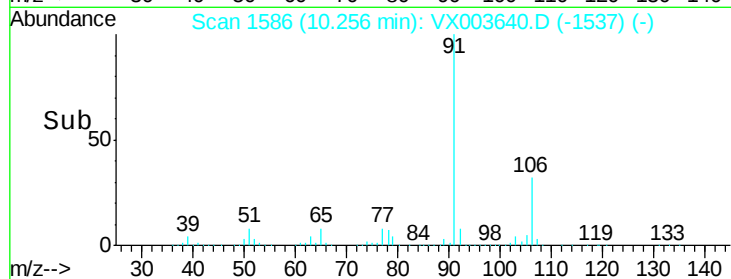
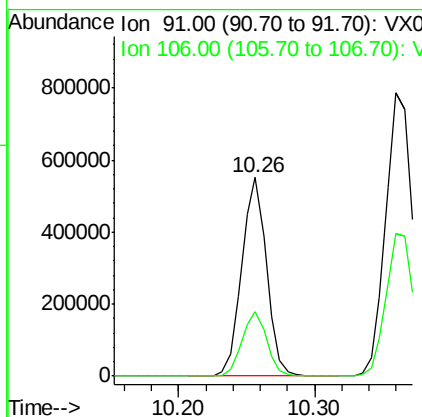
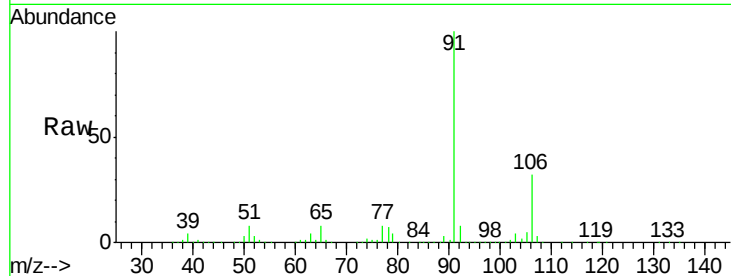
#67
Ethyl Benzene
Concen: 50.19 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 700110
Ion Ratio Lower Upper
91 100
106 32.4 25.5 38.3

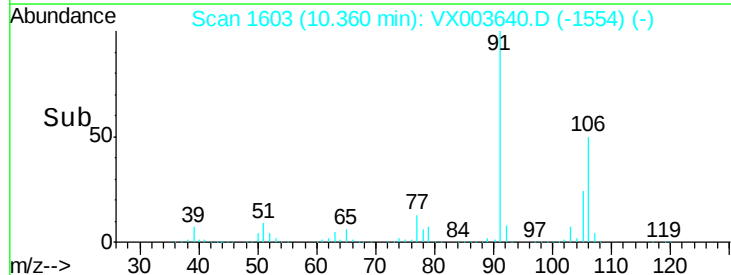
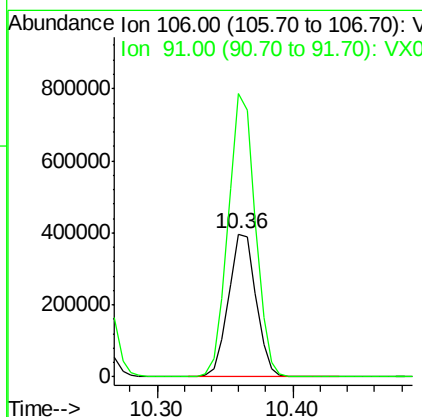
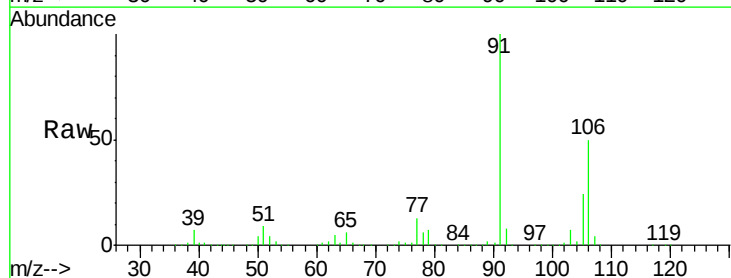
Manual Integrations
APPROVED

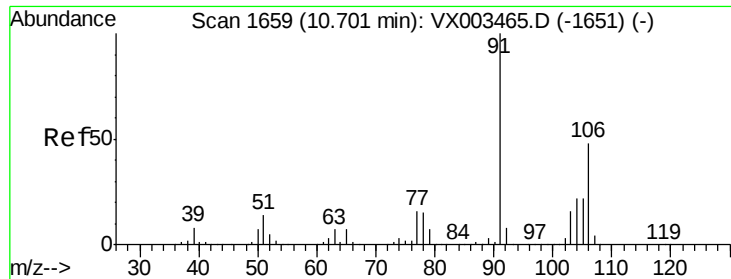
MMDadoda
7/24/2018 3:55:15 PM



#68
m/p-Xylenes
Concen: 102.26 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion: 106 Resp: 559231
Ion Ratio Lower Upper
106 100
91 195.5 163.4 245.2





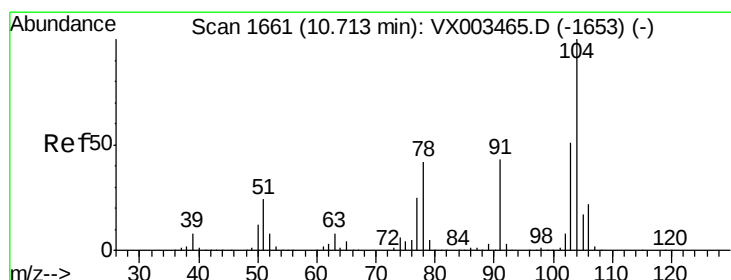
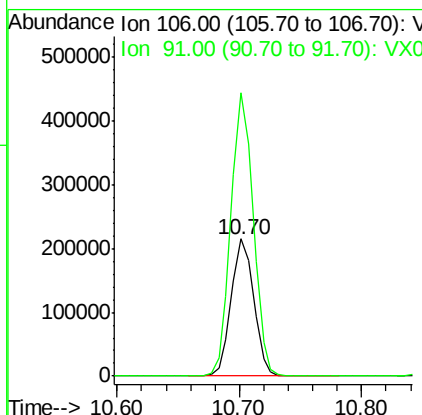
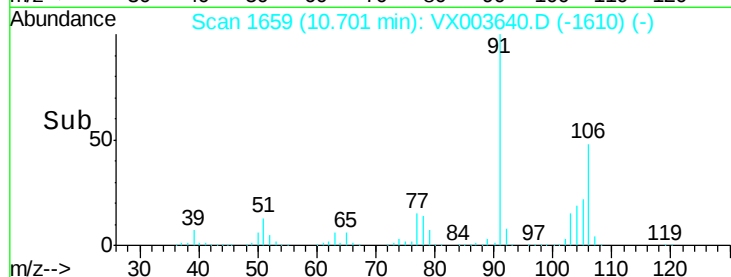
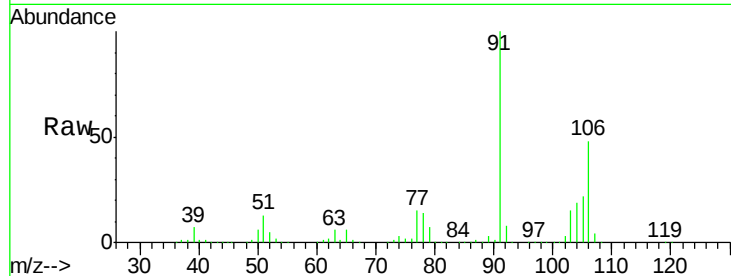
#69
o-Xylene
Concen: 51.62 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 272968
Ion Ratio Lower Upper
106 100
91 205.4 108.2 324.6

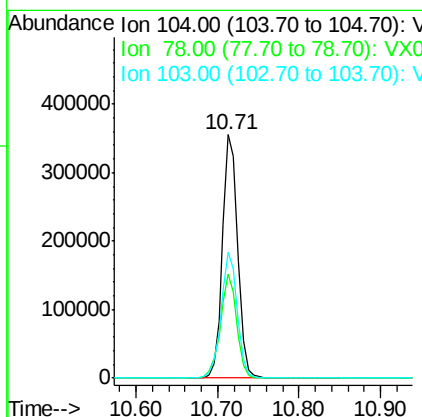
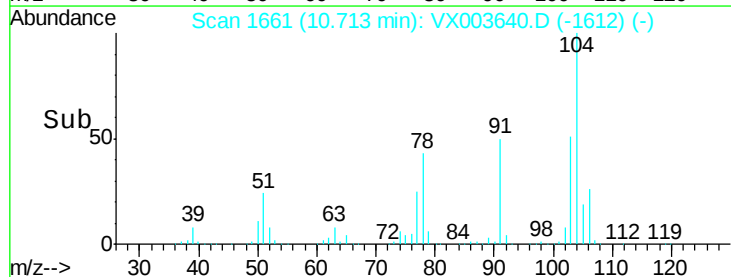
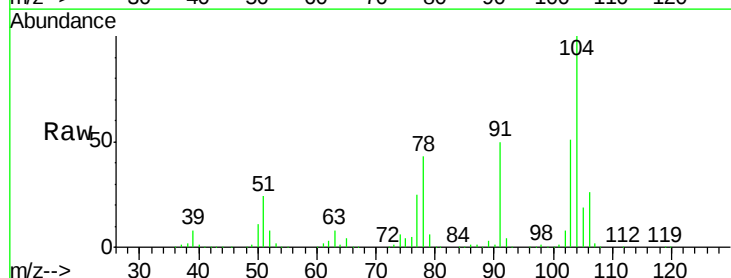
Manual Integrations
APPROVED

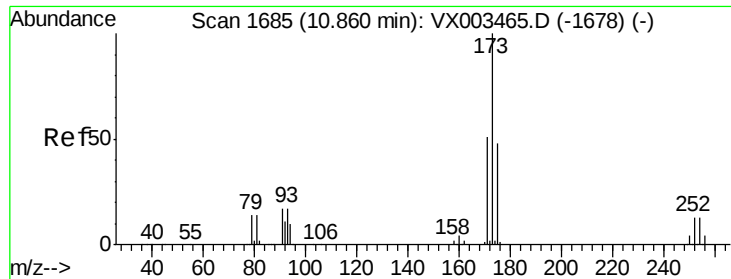
MMDadoda
7/24/2018 3:55:15 PM



#70
Styrene
Concen: 53.12 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion:104 Resp: 462079
Ion Ratio Lower Upper
104 100
78 45.7 41.0 61.6
103 55.0 44.2 66.4





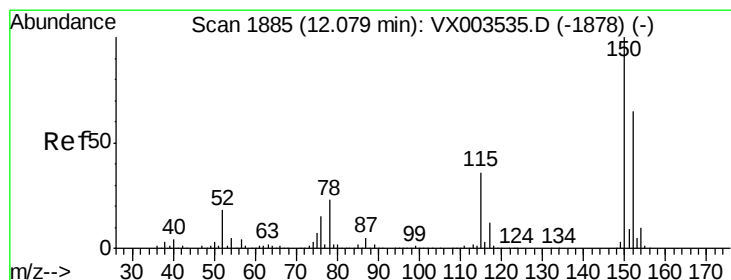
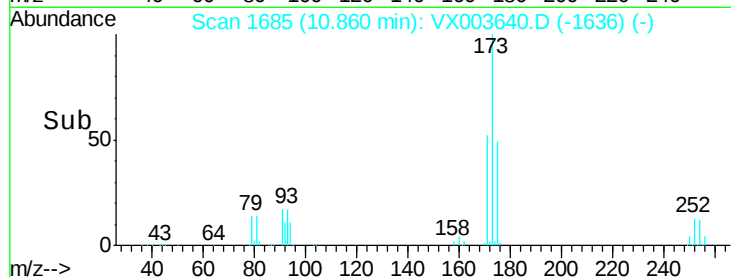
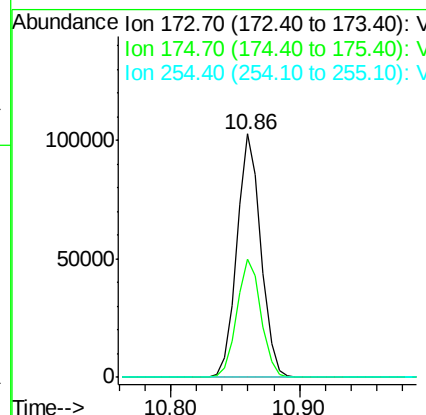
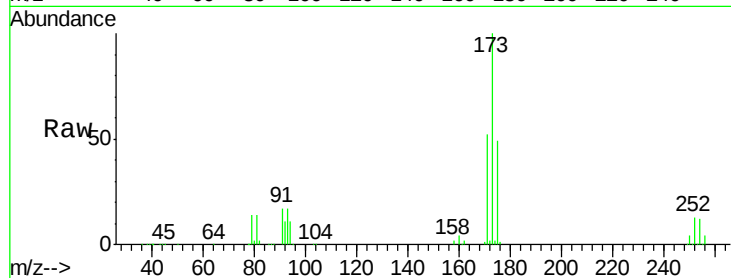
#71
Bromoform
Concen: 57.39 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.2	0.2	0.2

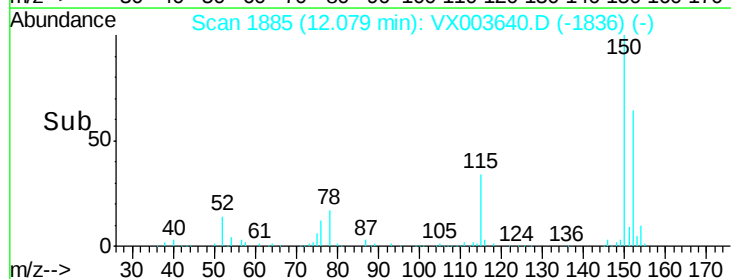
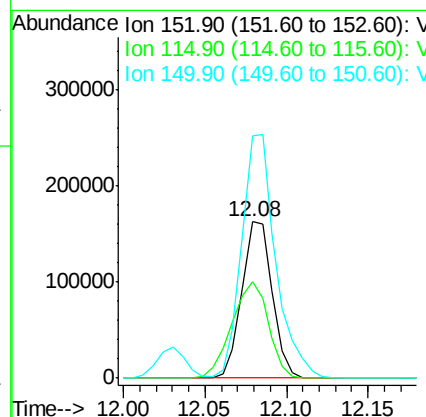
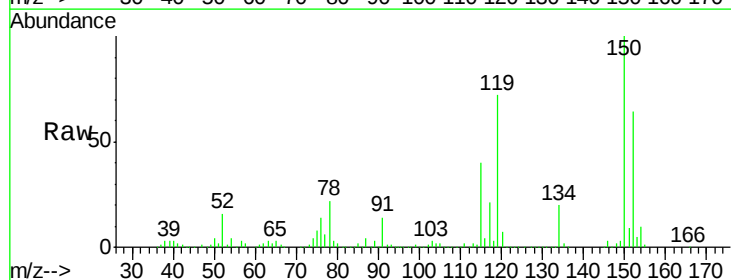
Manual Integrations
APPROVED

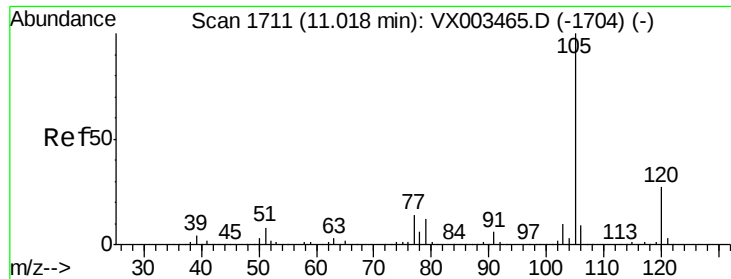
MMDadoda
7/24/2018 3:55:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.3	40.1	120.2
150	173.7	0.0	347.2





#73

Isopropylbenzene

Concen: 49.81 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 726195

Ion Ratio Lower Upper

105 100

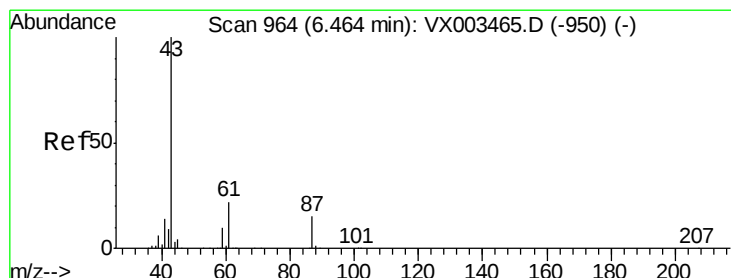
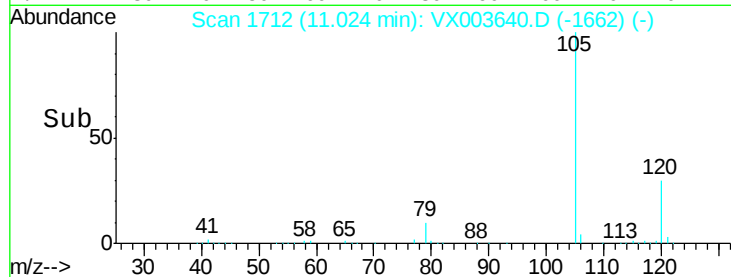
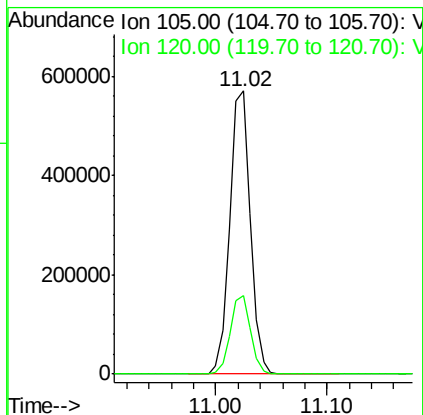
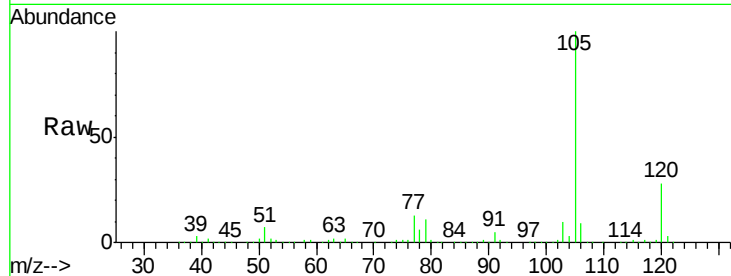
120 27.4 13.5 40.4

Manual Integrations

APPROVED

MMDadoda

7/24/2018 3:55:15 PM



#74

N-ethyl acetate

Concen: 46.26 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion: 43 Resp: 286359

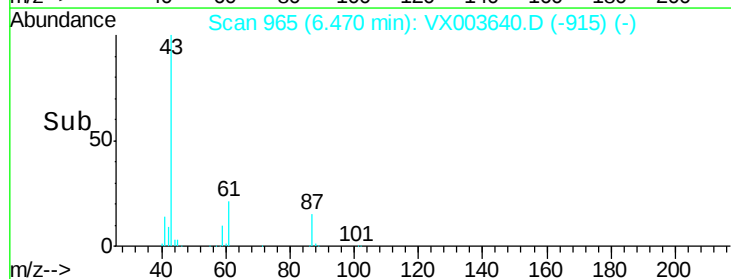
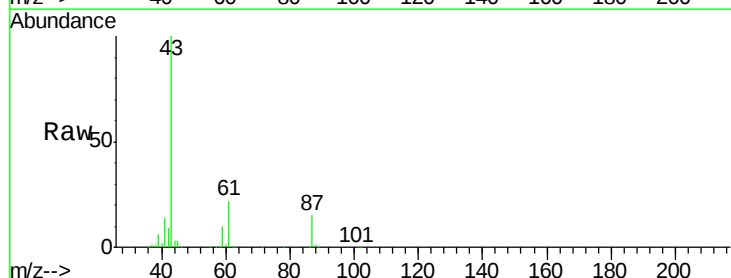
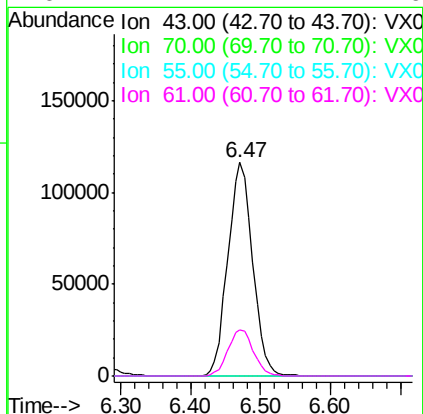
Ion Ratio Lower Upper

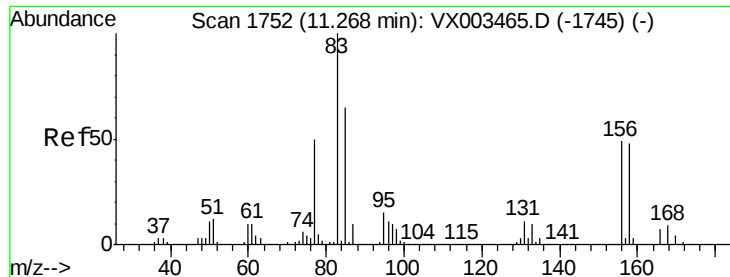
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 22.1 14.4 21.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 49.92 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

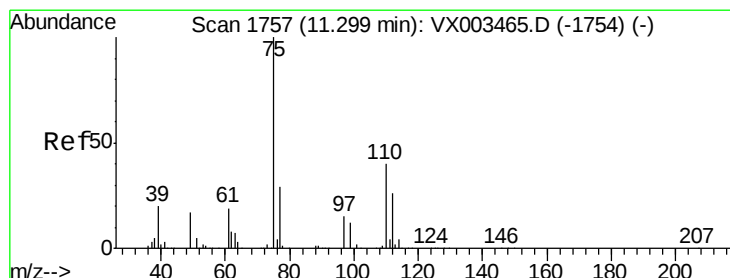
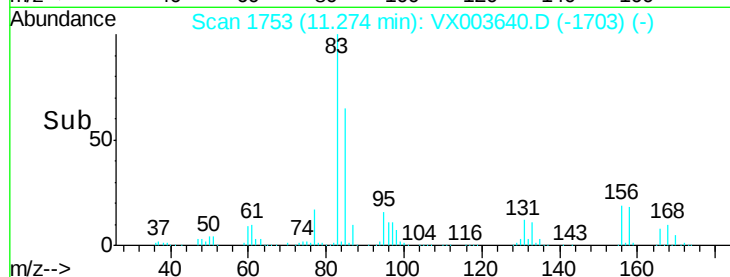
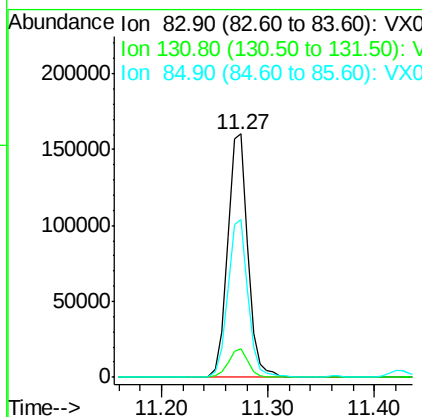
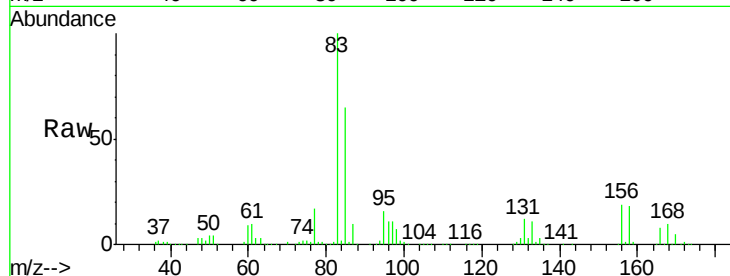
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	213281
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.6	16.8
85	64.6	32.4	97.2

Manual Integrations
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MMDadoda
7/24/2018 3:55:15 PM



#76

1,2,3-Trichloropropane

Concen: 48.97 ug/l m

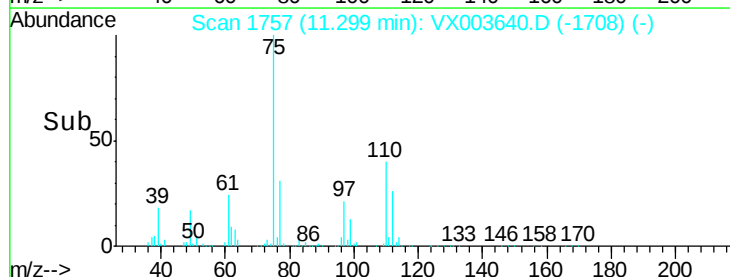
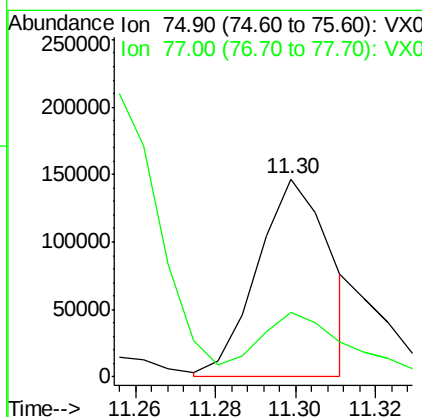
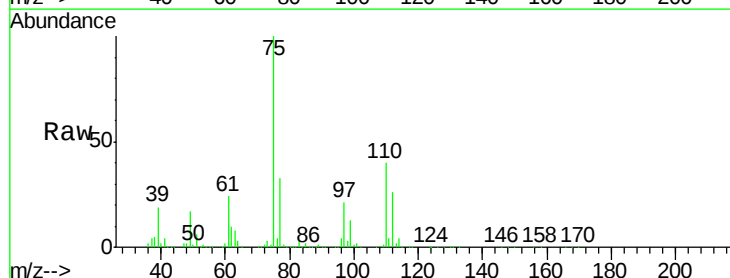
RT: 11.30 min Scan# 1757

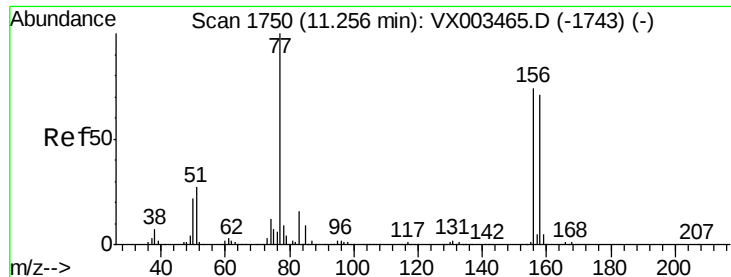
Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion:	75	Resp:	185436
Ion Ratio	Lower	Upper	
75	100		
77	40.1	22.8	68.3





#77

Bromobenzene

Concen: 49.90 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

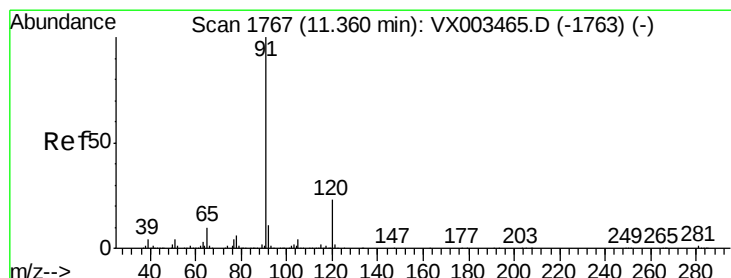
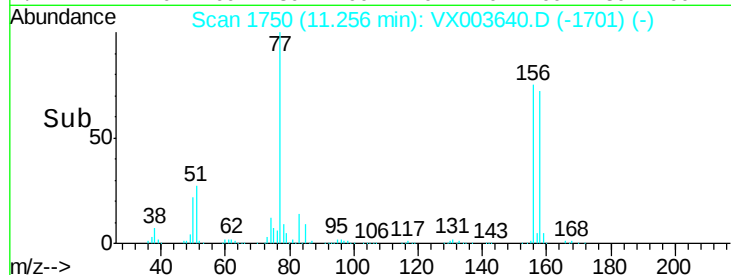
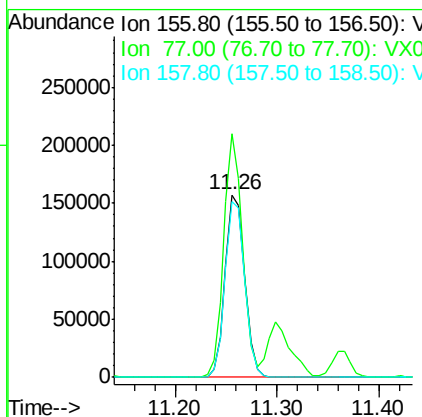
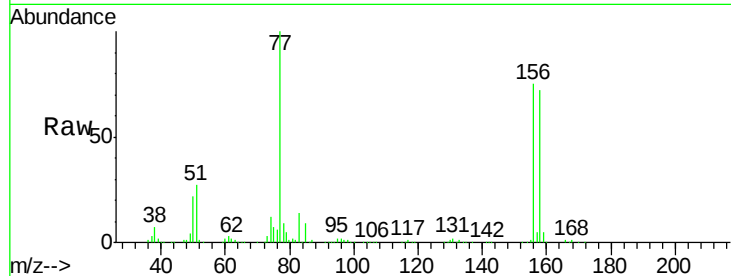
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		209251		
77	128.4	71.4	214.2		
158	97.5	48.9	146.6		

Manual Integrations
APPROVED

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7/24/2018 3:55:15 PM



#78

n-propylbenzene

Concen: 49.28 ug/l

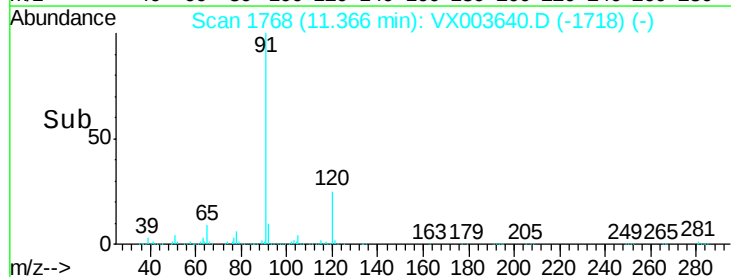
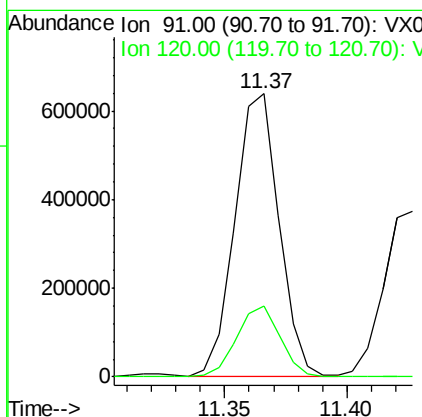
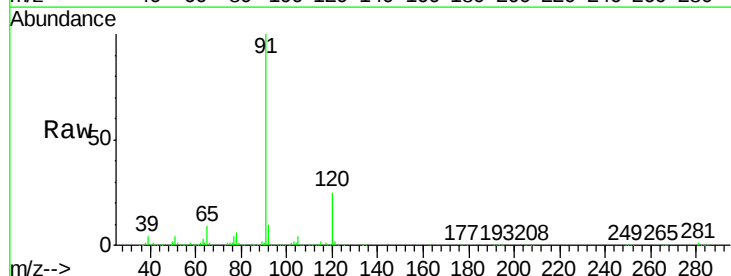
RT: 11.37 min Scan# 1768

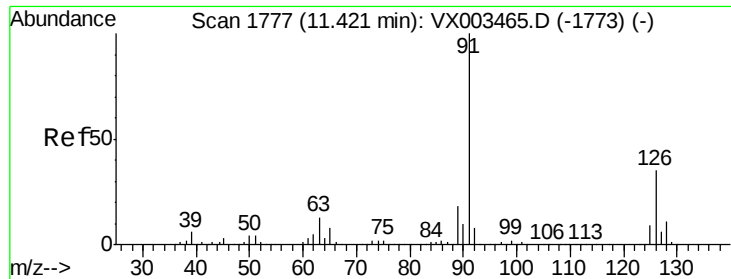
Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		798613		
120	24.9	11.8	35.4		





#79

2-Chlorotoluene

Concen: 48.69 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 479073

Ion Ratio Lower Upper

91 100

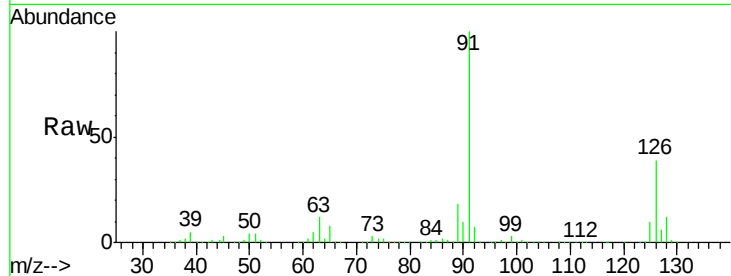
126 37.6 17.7 53.1

Manual Integrations

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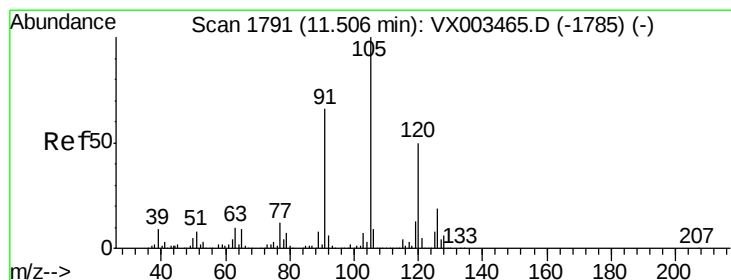
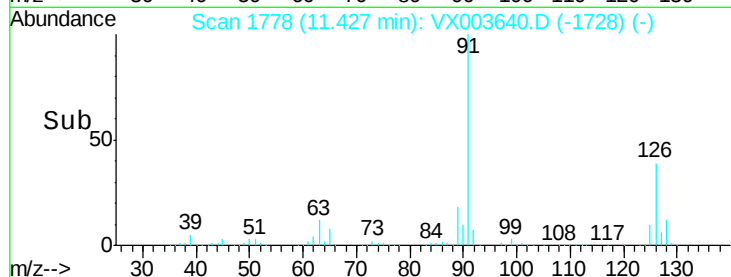
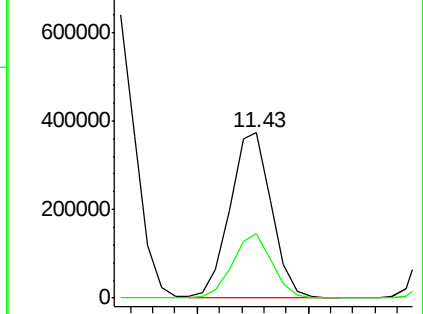
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003465.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003640.D

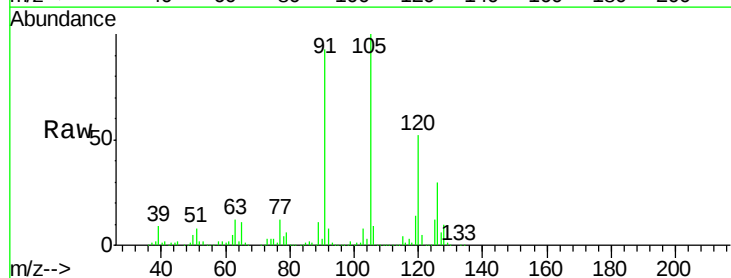
Acq: 24 Jul 2018 08:29

Tgt Ion: 105 Resp: 602587

Ion Ratio Lower Upper

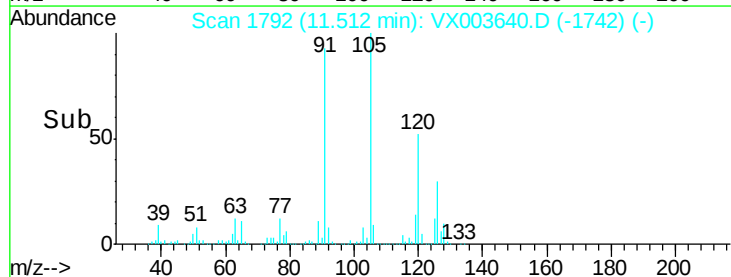
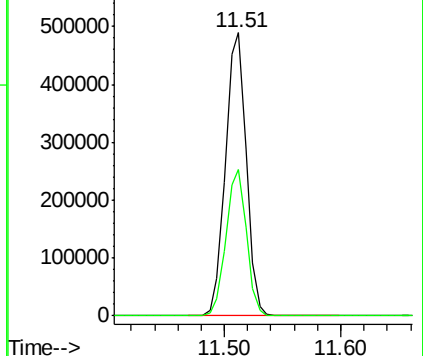
105 100

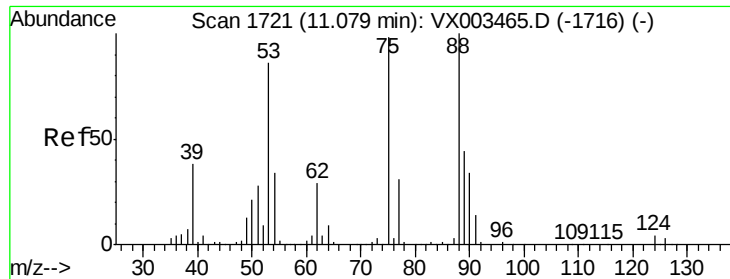
120 50.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003465.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 34.16 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 44496

Ion Ratio Lower Upper

75 100

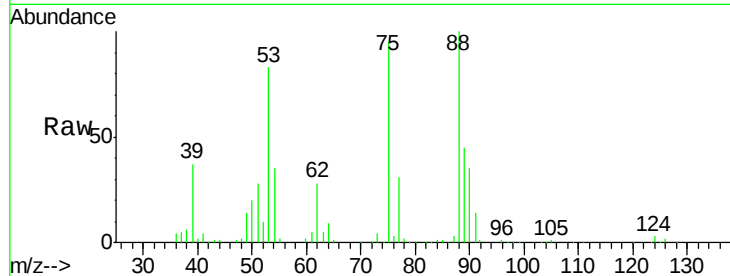
53 90.5 86.8 130.2

89 47.3 38.2 57.2

Manual Integrations
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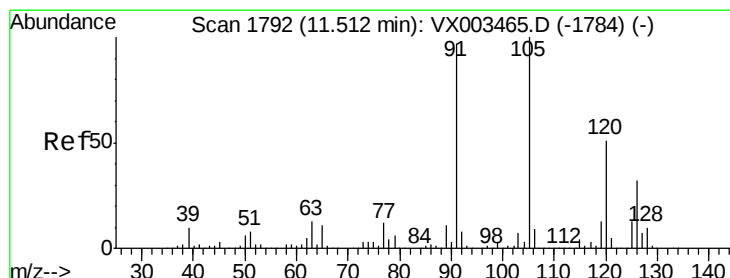
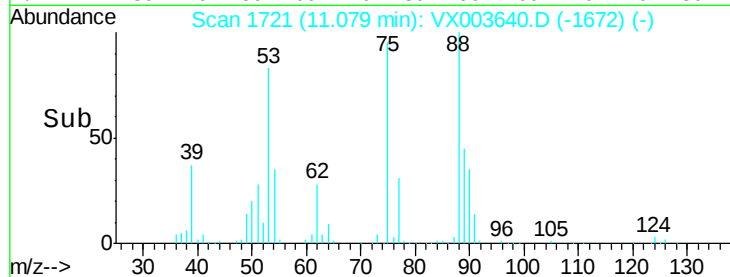
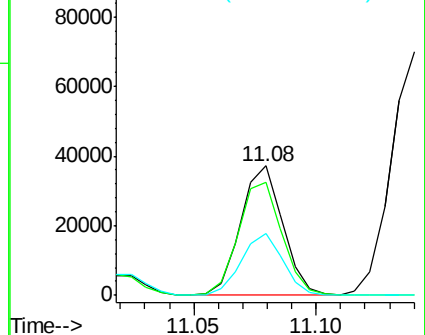
7/24/2018 3:55:15 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.57 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003640.D

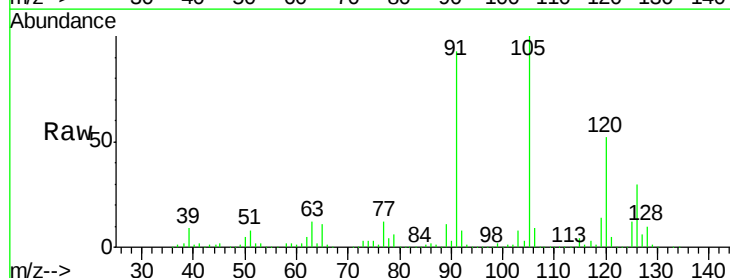
Acq: 24 Jul 2018 08:29

Tgt Ion: 91 Resp: 559930

Ion Ratio Lower Upper

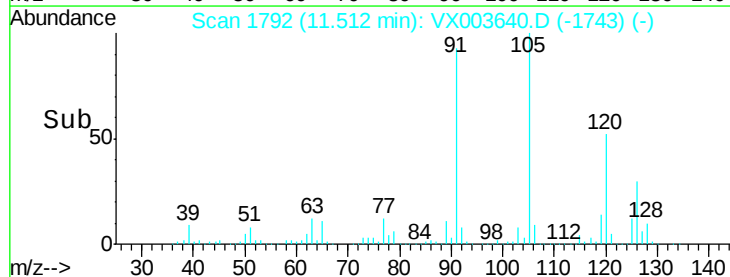
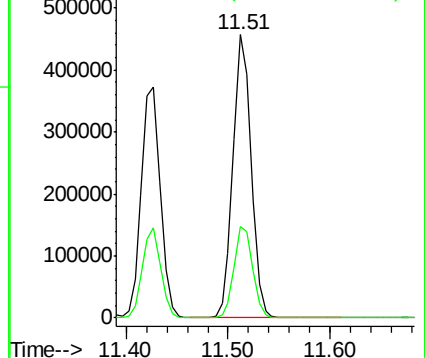
91 100

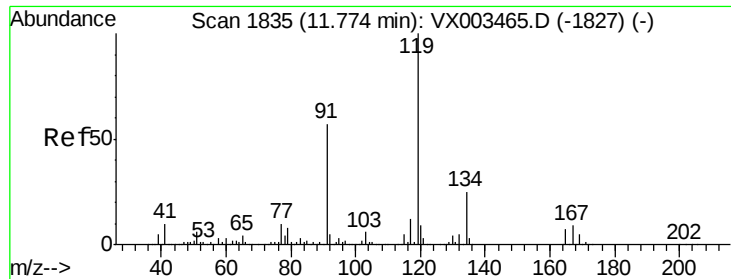
126 32.8 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.15 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

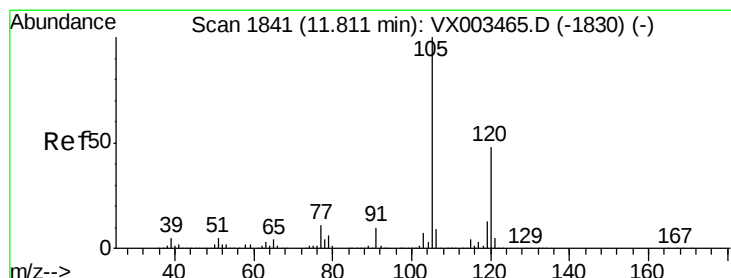
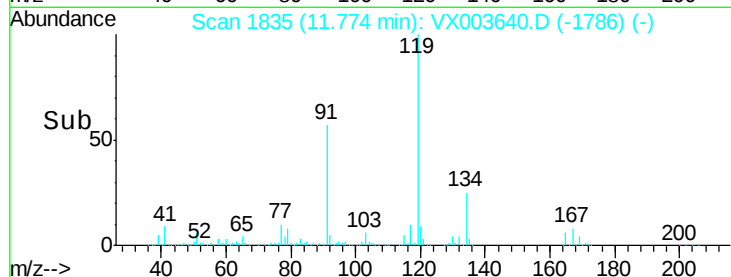
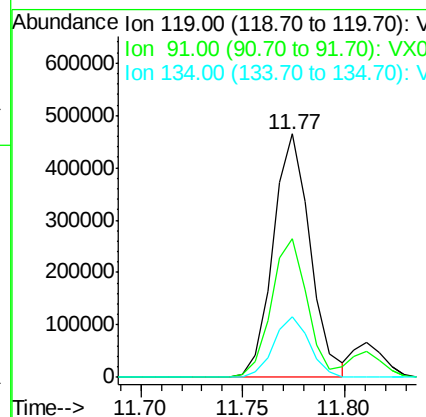
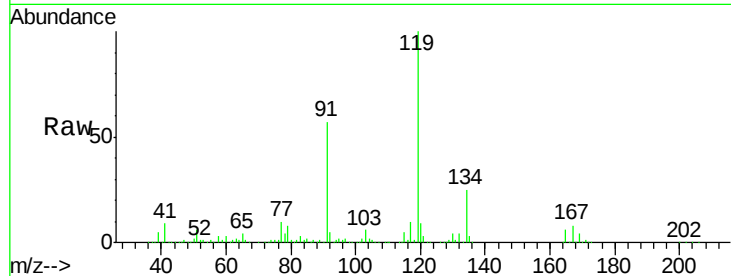
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	588515
Ion Ratio		Lower	Upper
119	100		
91	55.8	30.3	90.9
134	24.1	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.83 ug/l

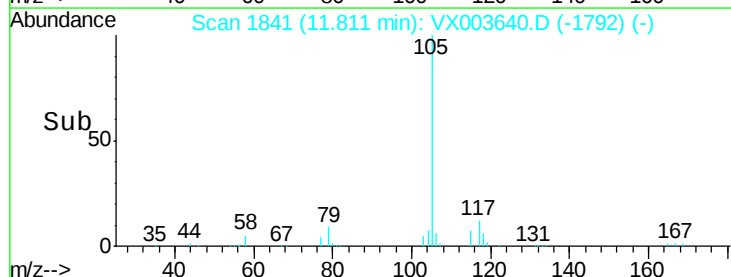
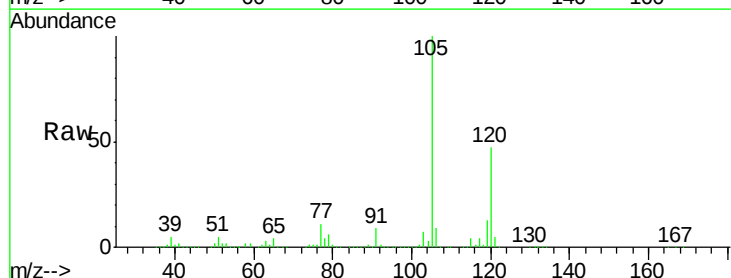
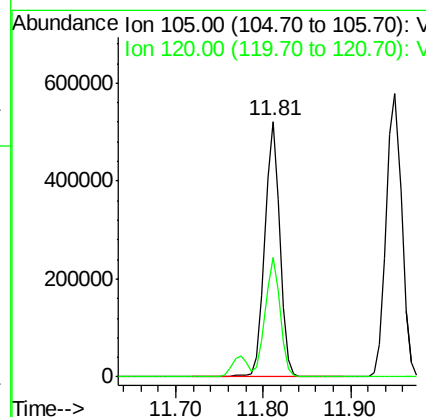
RT: 11.81 min Scan# 1841

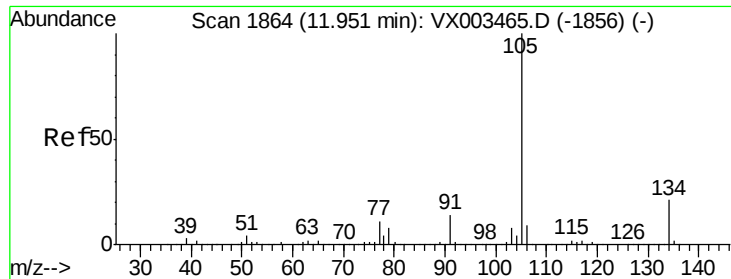
Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Tgt Ion:	105	Resp:	619747
Ion Ratio		Lower	Upper
105	100		
120	46.8	22.3	66.8





#85

sec-Butylbenzene

Concen: 49.75 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 709057

Ion Ratio Lower Upper

105 100

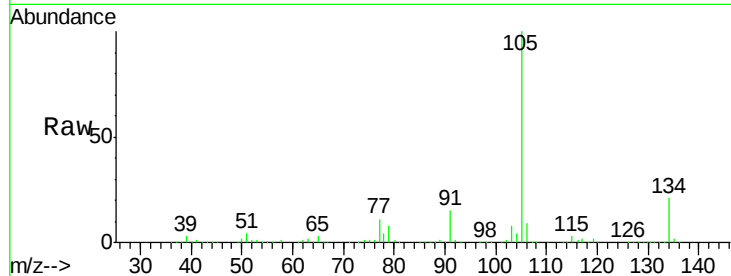
134 21.4 10.4 31.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

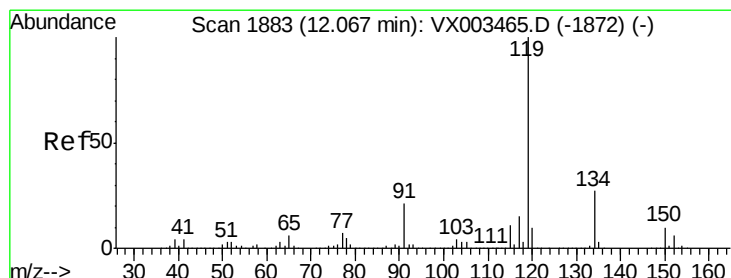
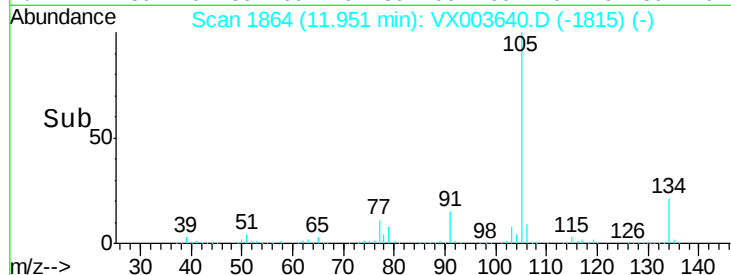
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.78 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

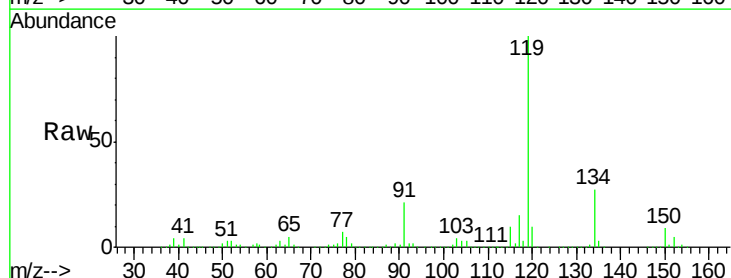
Tgt Ion:119 Resp: 649506

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.0 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

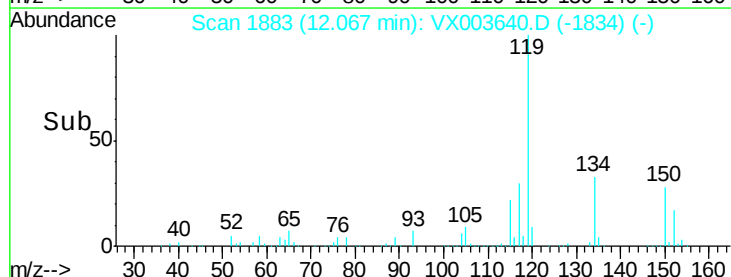
600000

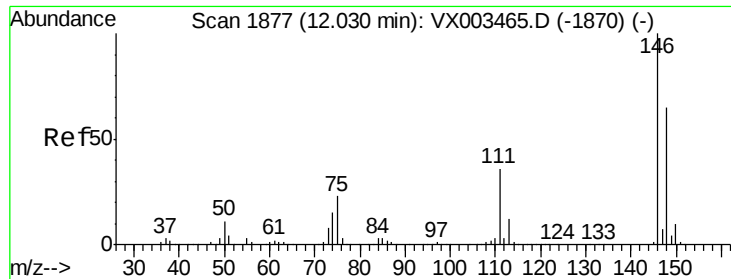
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.76 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 375872

Ion Ratio Lower Upper

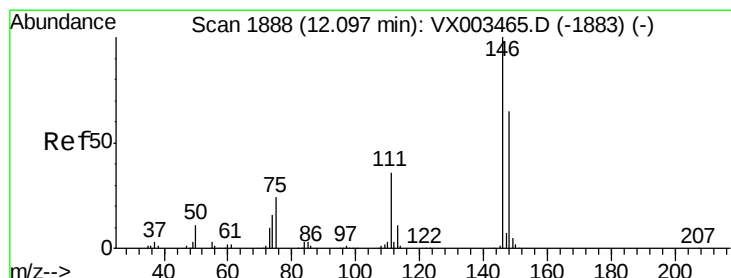
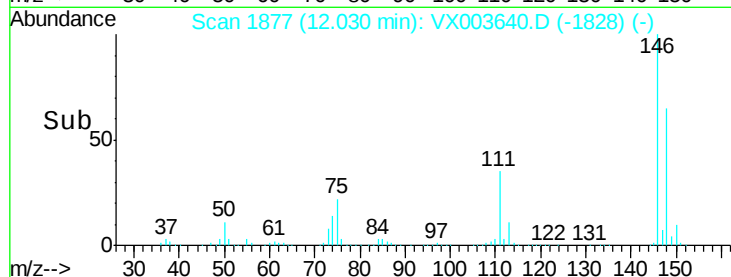
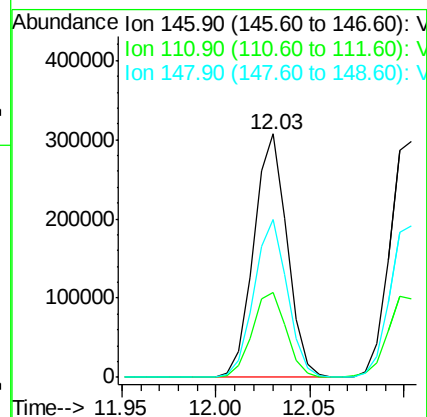
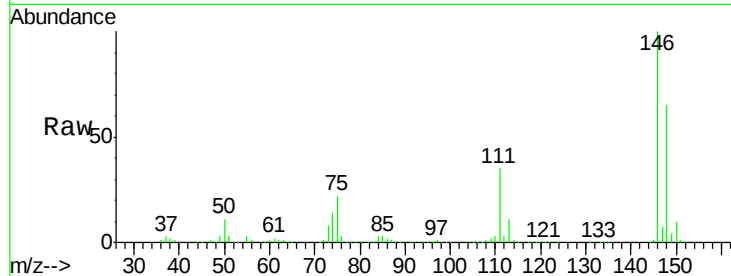
146 100

111 35.8 18.9 56.7

148 64.5 32.1 96.3

Manual Integrations
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7/24/2018 3:55:15 PM



#88

1,4-Dichlorobenzene

Concen: 47.54 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VX003640.D

Acq: 24 Jul 2018 08:29

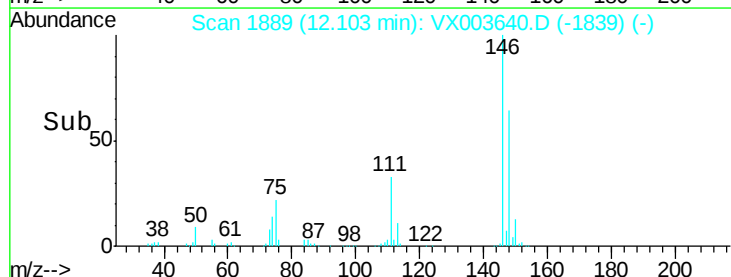
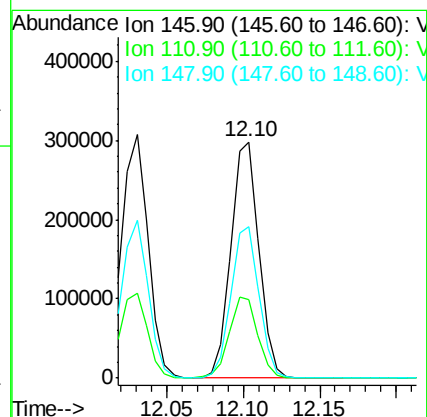
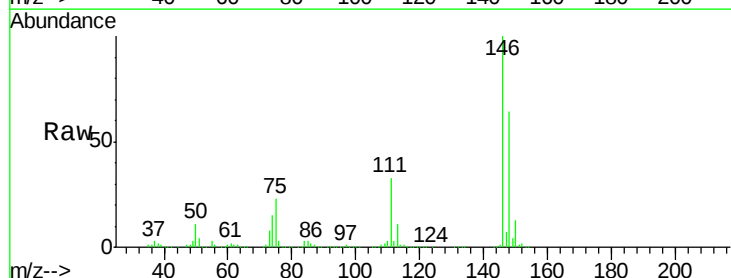
Tgt Ion:146 Resp: 377478

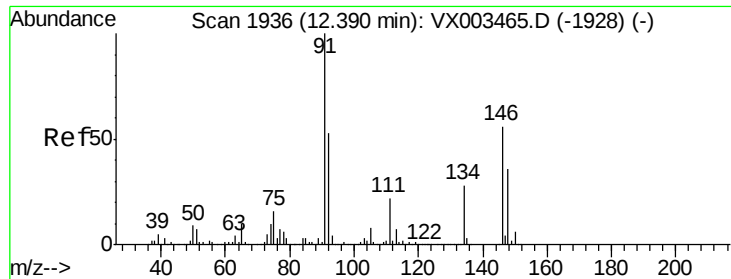
Ion Ratio Lower Upper

146 100

111 35.0 18.7 56.1

148 64.3 32.4 97.0





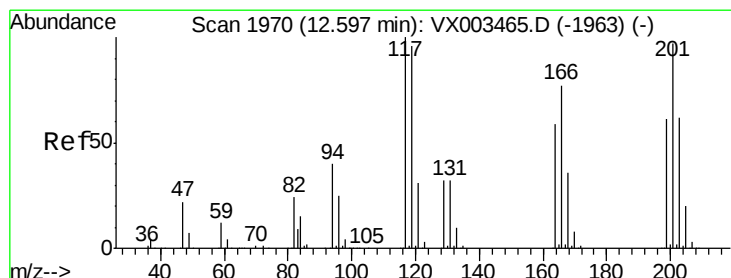
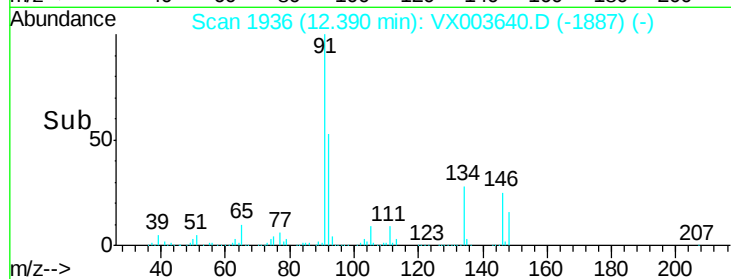
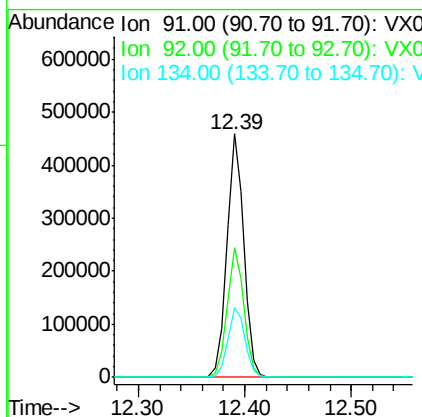
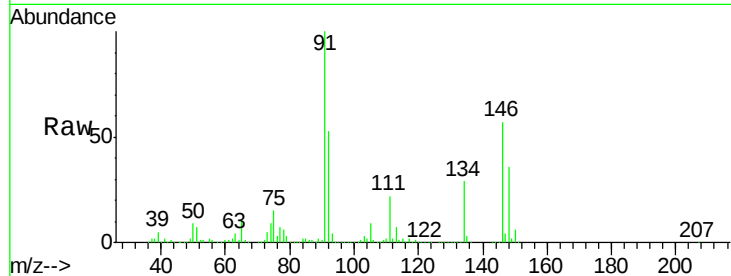
#89
n-Butylbenzene
Concen: 46.85 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	29.1	13.5	40.5

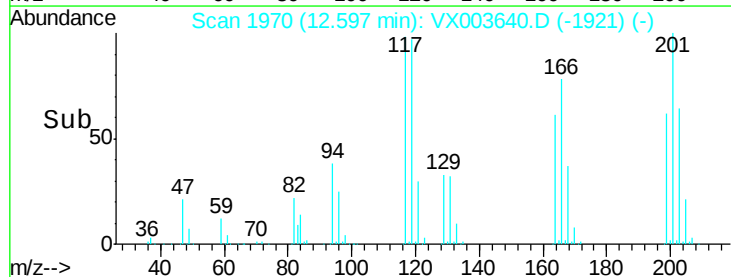
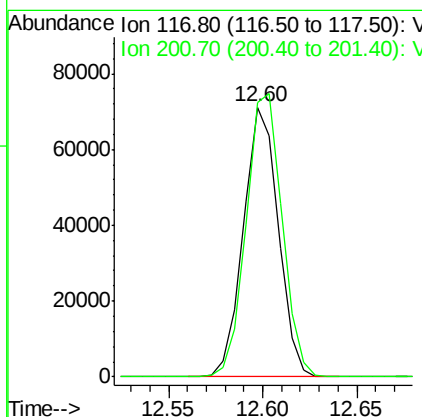
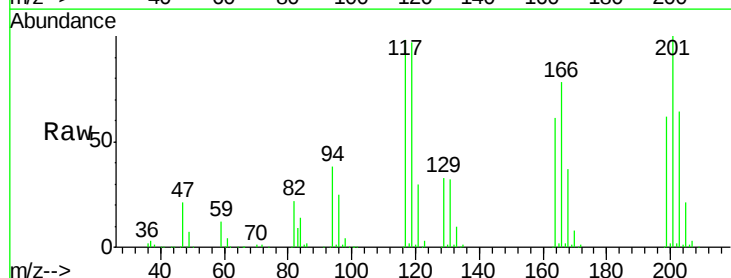
Manual Integrations
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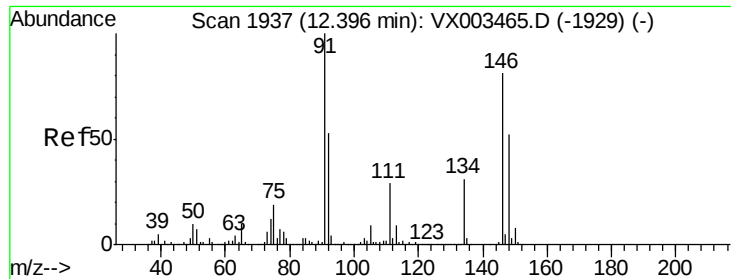
MMDadoda
7/24/2018 3:55:15 PM



#90
Hexachloroethane
Concen: 50.20 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	108.2	49.0	147.0





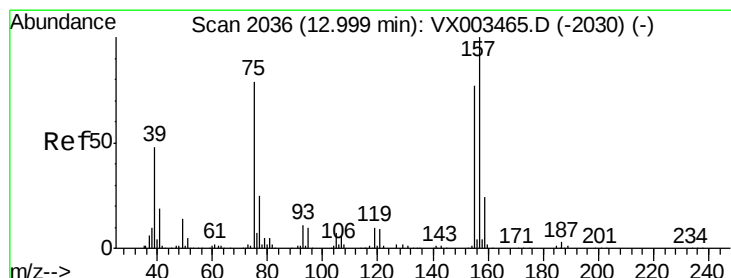
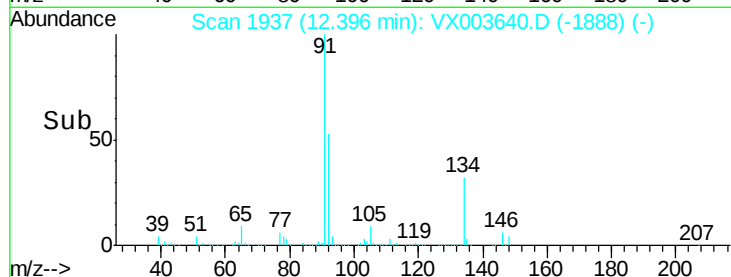
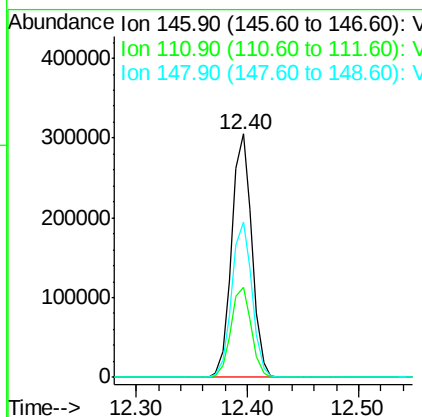
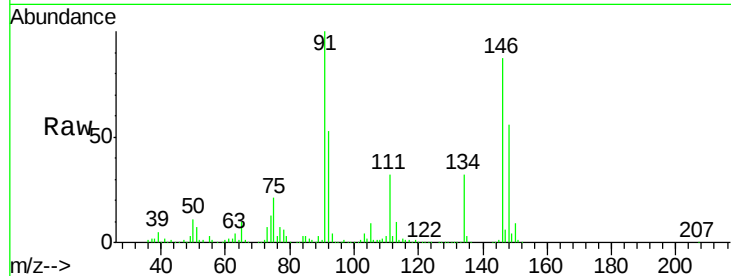
#91
 1,2-Dichlorobenzene
 Concen: 50.20 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.4	58.1
148	64.3	31.7	95.1

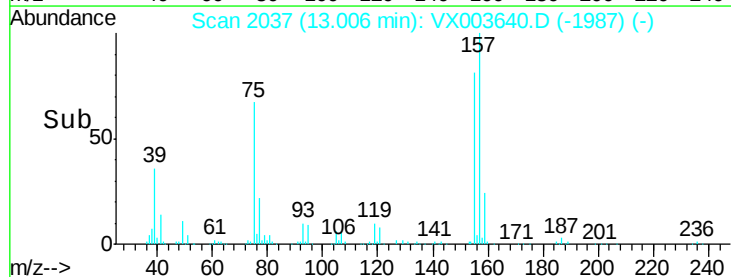
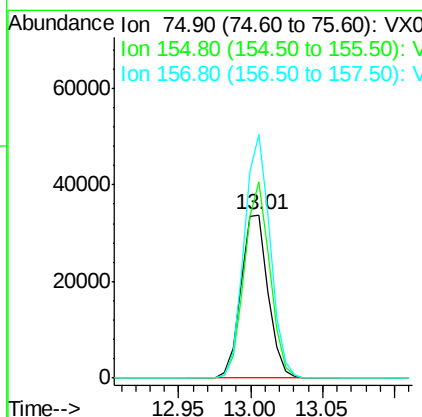
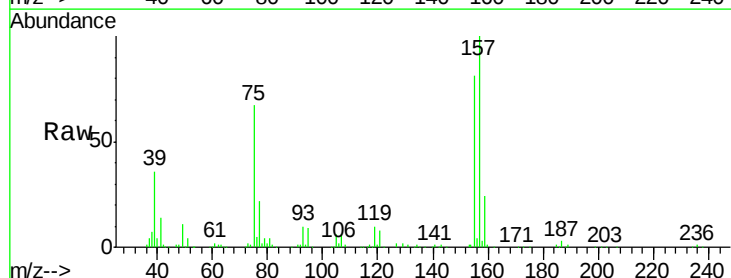
Manual Integrations
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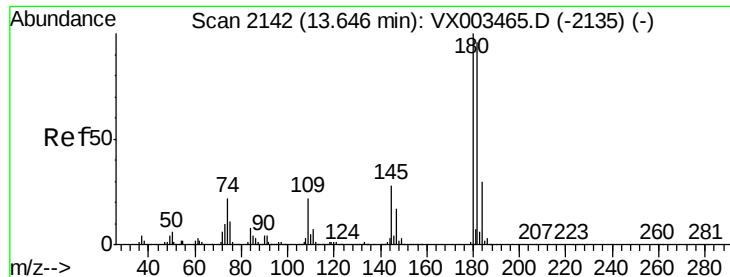
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.72 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.6	45.8	137.4
157	142.5	60.1	180.3





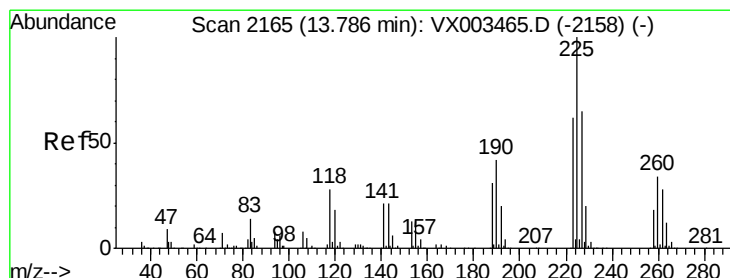
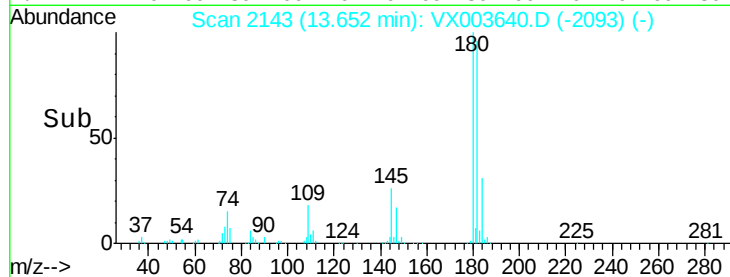
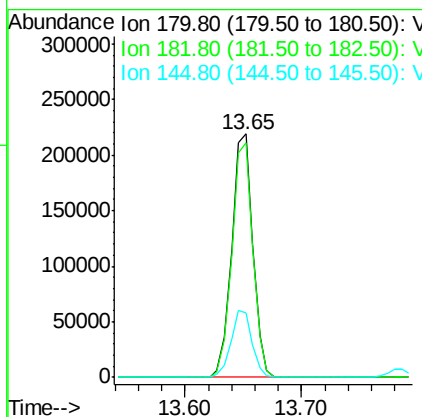
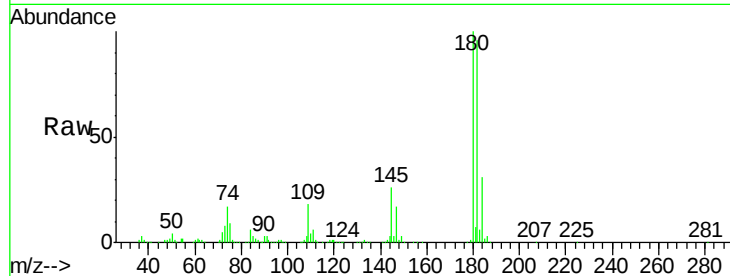
#93
 1,2,4-Trichlorobenzene
 Concen: 49.50 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.7	143.1
145	27.3	14.1	42.4

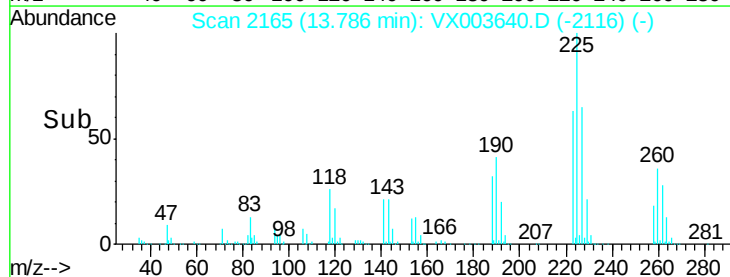
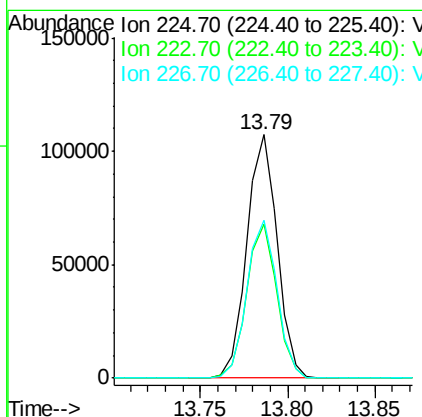
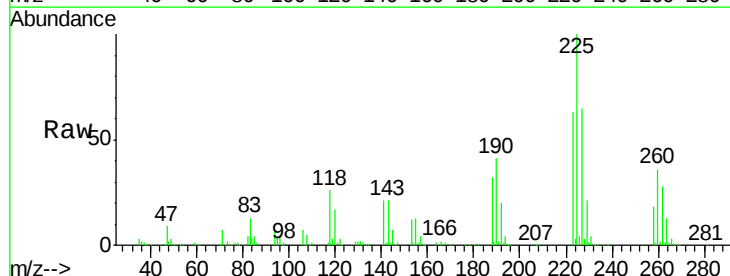
Manual Integrations
 APPROVED

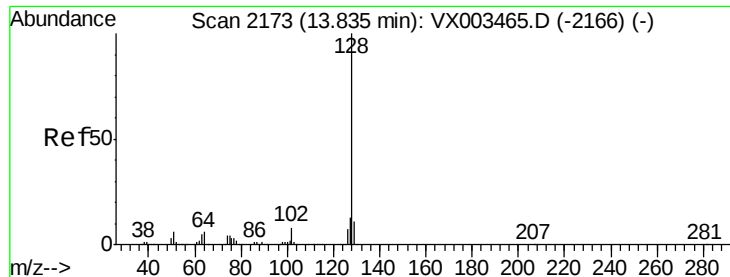
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 7/24/2018 3:55:15 PM



#94
 Hexachlorobutadiene
 Concen: 48.18 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003640.D
 Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	95.0
227	64.5	32.4	97.2





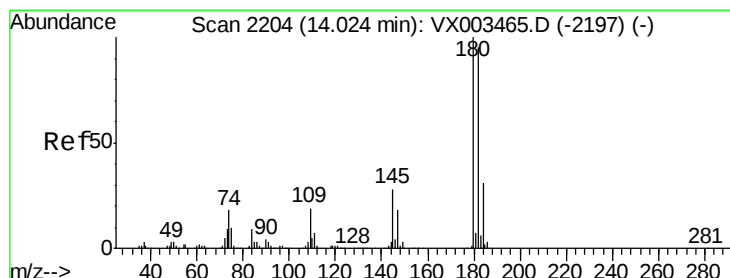
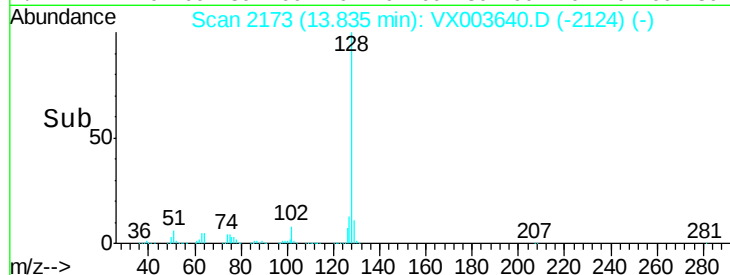
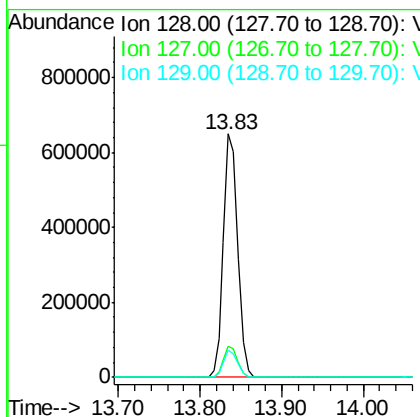
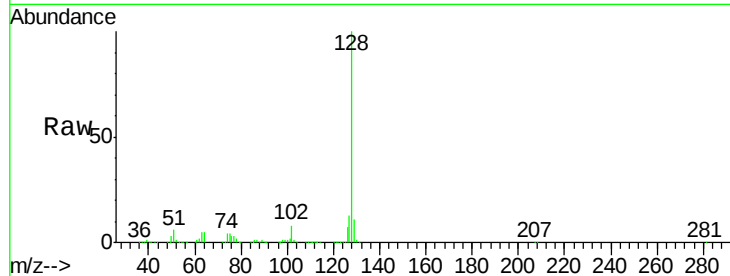
#95
Naphthalene
Concen: 54.26 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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7/24/2018 3:55:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.82 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003640.D
Acq: 24 Jul 2018 08:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.0	144.0
145	28.7	14.8	44.3

