

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000913.D
 Acq On : 16 Apr 2018 12:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:06 PM

Quant Time: Apr 16 16:23:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	222967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	142430	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	
35) Dibromofluoromethane	5.51	113	121663	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	8.72	98	448398	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	11.14	95	182965	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	141569	48.77	ug/l	99
3) Chloromethane	1.32	50	121866	48.97	ug/l	100
4) Vinyl Chloride	1.40	62	138752	49.56	ug/l	97
5) Bromomethane	1.64	94	67345	58.35	ug/l	97
6) Chloroethane	1.72	64	83764	49.37	ug/l	99
7) Trichlorofluoromethane	1.93	101	217925	51.60	ug/l	97
8) Diethyl Ether	2.19	74	80027	50.72	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	133177	53.48	ug/l	98
10) Methyl Iodide	2.51	142	104806	53.40	ug/l	99
11) Tert butyl alcohol	3.06	59	114907	199.61	ug/l	99
12) 1,1-Dichloroethene	2.38	96	117140	49.63	ug/l	99
13) Acrolein	2.29	56	75324	269.44	ug/l	99
14) Allyl chloride	2.73	41	216142	49.53	ug/l	100
15) Acrylonitrile	3.15	53	304668	248.24	ug/l	100
16) Acetone	2.45	43	262168	234.47	ug/l	100
17) Carbon Disulfide	2.57	76	304108	42.55	ug/l	100
18) Methyl Acetate	2.78	43	154692	53.46	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	405849	51.63	ug/l	99
20) Methylene Chloride	2.86	84	127258	48.93	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	128217	49.26	ug/l	97
22) Diisopropyl ether	3.87	45	414008	51.62	ug/l	98
23) Vinyl Acetate	3.83	43	1737304	246.72	ug/l	100
24) 1,1-Dichloroethane	3.70	63	228561	50.79	ug/l	99
25) 2-Butanone	4.71	43	434628	235.38	ug/l	98
26) 2,2-Dichloropropane	4.59	77	216466	48.46	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	150543	50.97	ug/l	99
28) Bromochloromethane	5.03	49	83283	45.96	ug/l	97
29) Tetrahydrofuran	5.17	42	272992	232.85	ug/l	100
30) Chloroform	5.22	83	247999	52.05	ug/l	95
31) Cyclohexane	5.58	56	211394	49.46	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	227980	50.22	ug/l	100
36) 1,1-Dichloropropene	5.81	75	188103	50.89	ug/l	99
37) Ethyl Acetate	4.86	43	174945	48.48	ug/l	99
38) Carbon Tetrachloride	5.79	117	203244	49.12	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	225563	50.81	ug/l	99
40) Benzene	6.15	78	535162	52.10	ug/l	99
41) Methacrylonitrile	5.07	41	104024	49.90	ug/l	100
42) 1,2-Dichloroethane	6.20	62	200473	52.26	ug/l	99
43) Isopropyl Acetate	6.47	43	303392	49.04	ug/l	100
44) Trichloroethene	7.22	130	166895	52.25	ug/l	97
45) 1,2-Dichloropropane	7.53	63	138551	52.97	ug/l	98
46) Dibromomethane	7.67	93	93403	51.22	ug/l	100
47) Bromodichloromethane	7.90	83	187618	50.98	ug/l	99
48) Methyl methacrylate	7.78	41	158497	49.42	ug/l	100
49) 1,4-Dioxane	7.76	88	51079	792.57	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	904739	248.95	ug/l	98
52) Toluene	8.79	92	359367	52.74	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	228922	51.86	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	218679	50.87	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	143101	52.90	ug/l	99
56) Ethyl methacrylate	9.19	69	214488	51.40	ug/l	98
57) 1,3-Dichloropropane	9.38	76	231446	53.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	510646	261.91	ug/l	99
59) 2-Hexanone	9.51	43	690573	246.14	ug/l	99
60) Dibromochloromethane	9.59	129	164398	50.79	ug/l	100
61) 1,2-Dibromoethane	9.68	107	150056	52.29	ug/l	99
64) Tetrachloroethene	9.34	164	168722	53.71	ug/l	99
65) Chlorobenzene	10.15	112	424529	52.53	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	156989	51.61	ug/l	100
67) Ethyl Benzene	10.26	91	704030	52.25	ug/l	99
68) m/p-Xylenes	10.37	106	560893	105.46	ug/l	99
69) o-Xylene	10.71	106	270015	52.68	ug/l	100
70) Styrene	10.72	104	457728	52.97	ug/l	100
71) Bromoform	10.87	173	133351	47.35	ug/l	99
73) Isopropylbenzene	11.02	105	737158	52.11	ug/l	100
74) N-amyl acetate	6.47	43	303392	47.63	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	204217	49.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	220026m	57.22	ug/l	
77) Bromobenzene	11.26	156	212018	51.15	ug/l	100
78) n-propylbenzene	11.37	91	842911	52.10	ug/l	100
79) 2-Chlorotoluene	11.43	91	496841	51.96	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	627867	51.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	63221	45.23	ug/l	98
82) 4-Chlorotoluene	11.52	91	592028	51.29	ug/l	100
83) tert-Butylbenzene	11.77	119	648309	52.09	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	647769	51.58	ug/l	100
85) sec-Butylbenzene	11.95	105	762183	51.91	ug/l	100
86) p-Isopropyltoluene	12.07	119	707239	51.66	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	399279	52.04	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	404478	51.44	ug/l	99
89) n-Butylbenzene	12.40	91	630860	52.20	ug/l	100
90) Hexachloroethane	12.60	117	108869	46.99	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	387467	52.31	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	43427	42.22	ug/l	99

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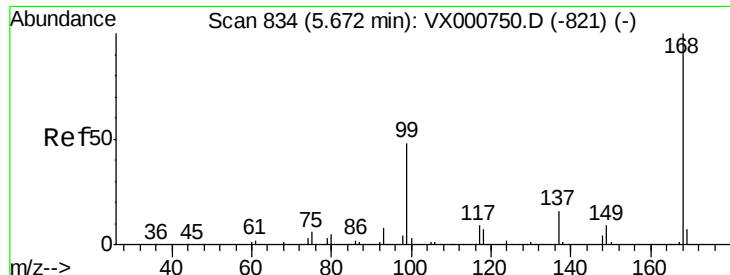
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	328463	51.97	ug/l	99
94) Hexachlorobutadiene	13.79	225	144993	46.65	ug/l	100
95) Naphthalene	13.84	128	801760	49.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	315818	51.44	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 257153

Ion Ratio Lower Upper

168 100

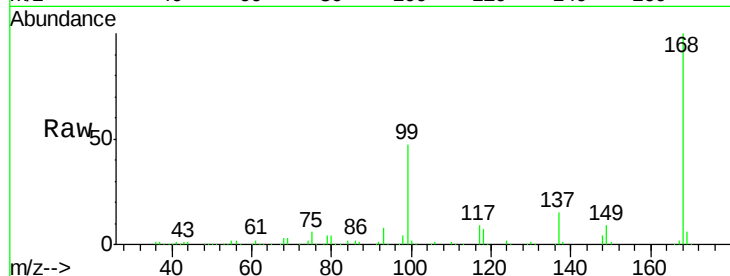
99 46.6 38.3 57.5

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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

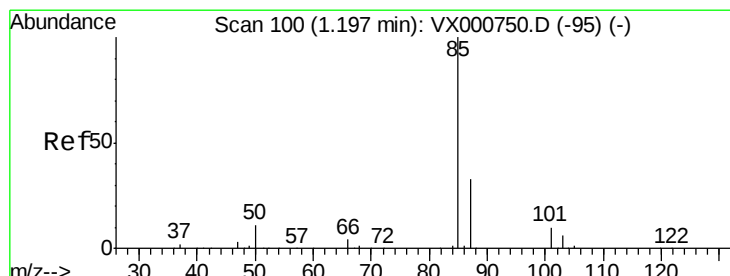
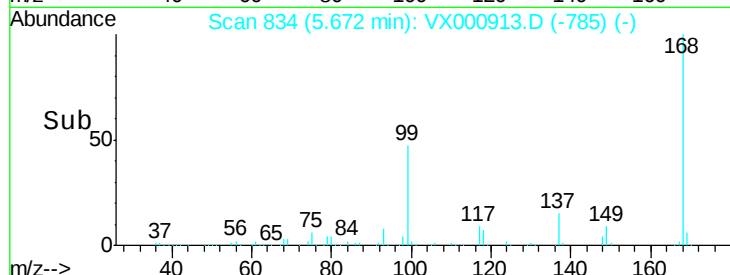
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.77 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000913.D

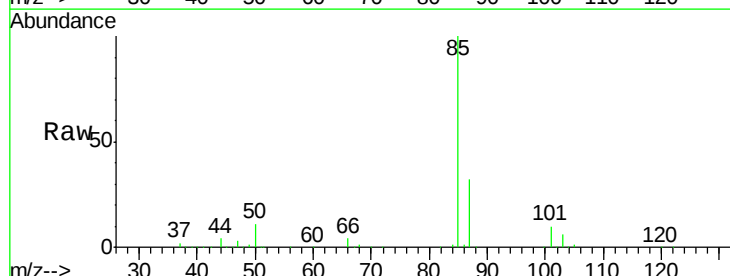
Acq: 16 Apr 2018 12:30

Tgt Ion: 85 Resp: 141569

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

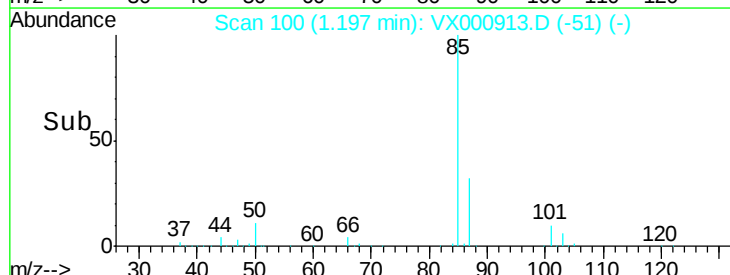
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.97 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 121866

Ion Ratio Lower Upper

50 100

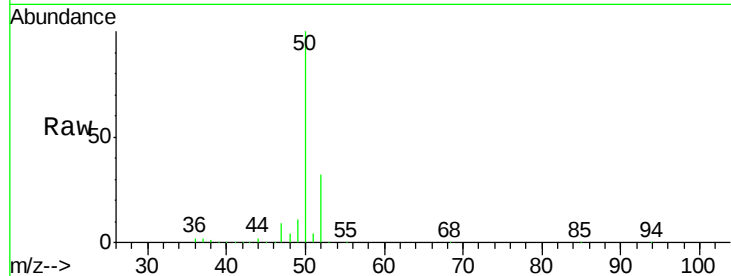
52 32.4 25.8 38.8

Manual Integrations

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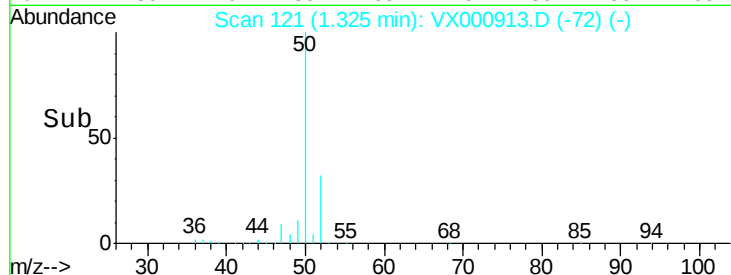
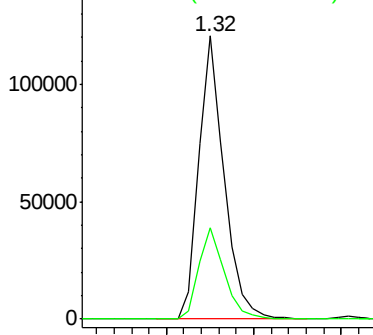
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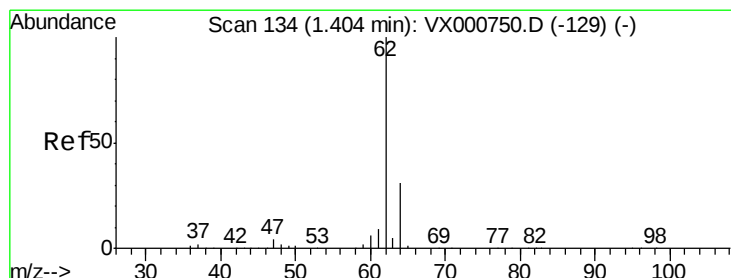


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 49.56 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX000913.D

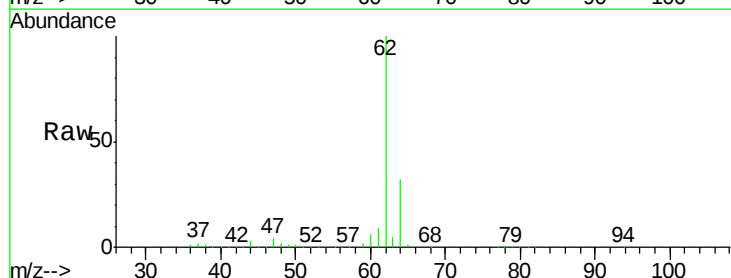
Acq: 16 Apr 2018 12:30

Tgt Ion: 62 Resp: 138752

Ion Ratio Lower Upper

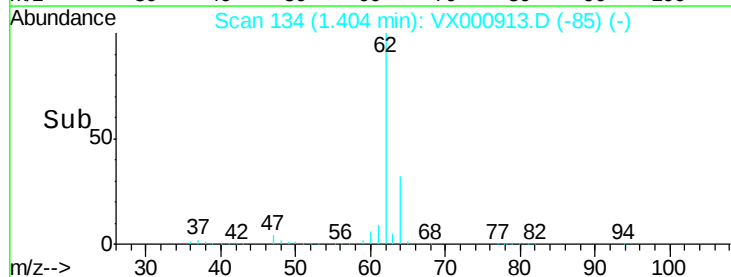
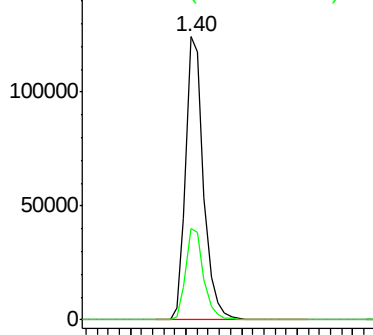
62 100

64 32.2 24.6 36.8

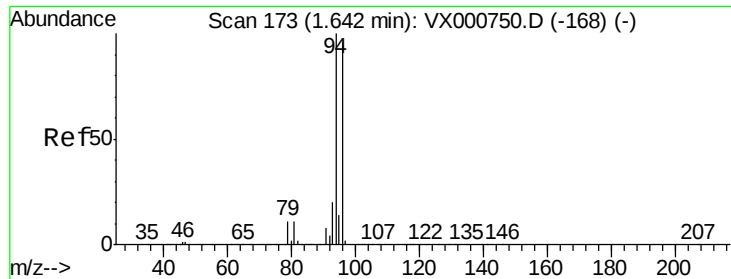


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 58.35 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 67345

Ion Ratio Lower Upper

94 100

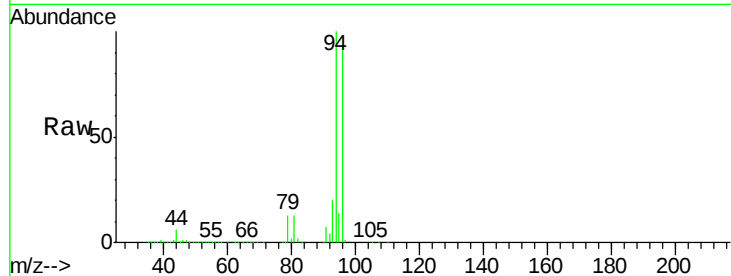
96 93.6 77.0 115.6

Manual Integrations

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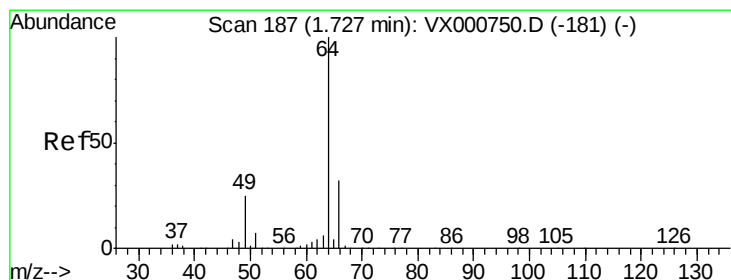
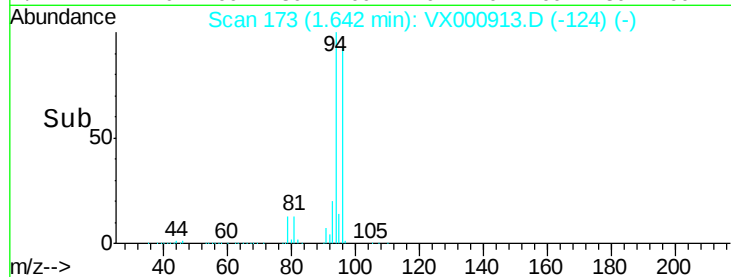
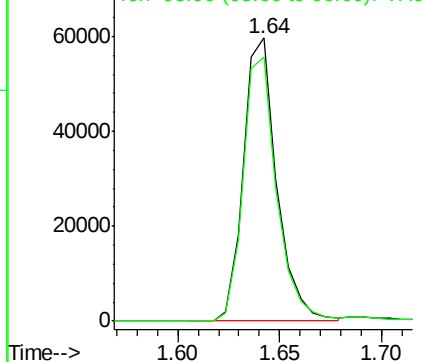
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.37 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000913.D

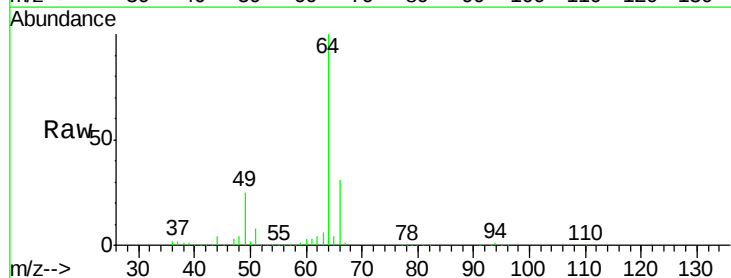
Acq: 16 Apr 2018 12:30

Tgt Ion: 64 Resp: 83764

Ion Ratio Lower Upper

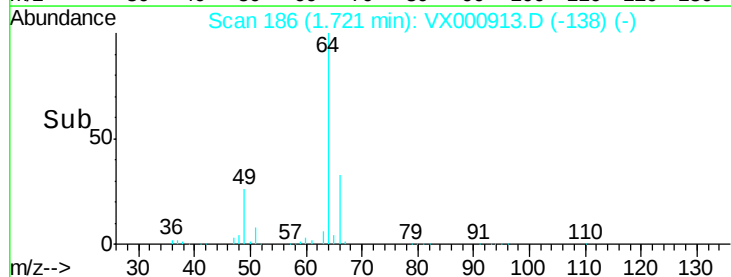
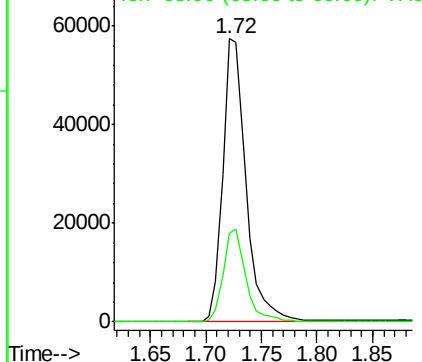
64 100

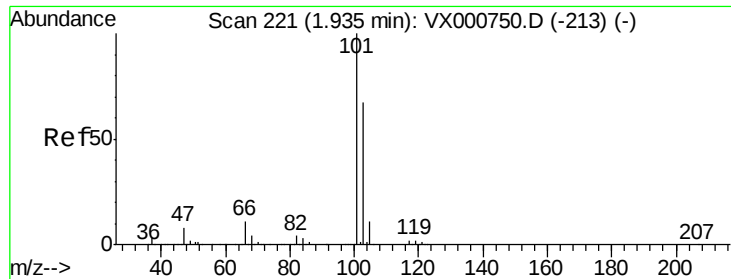
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

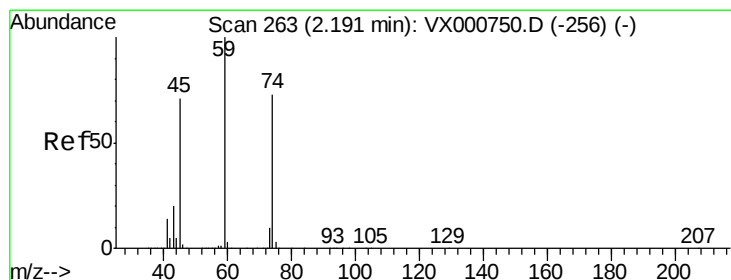
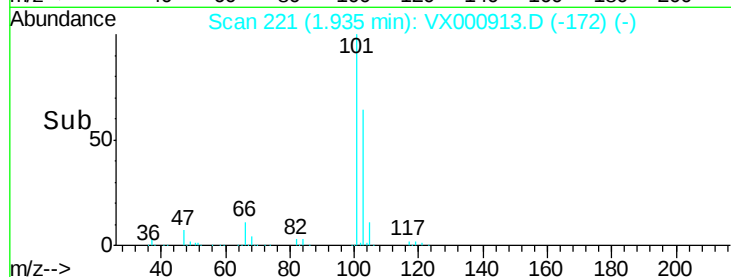
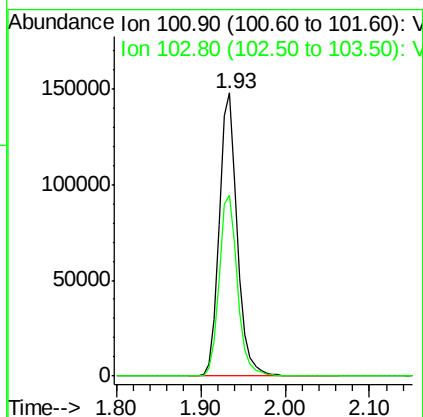
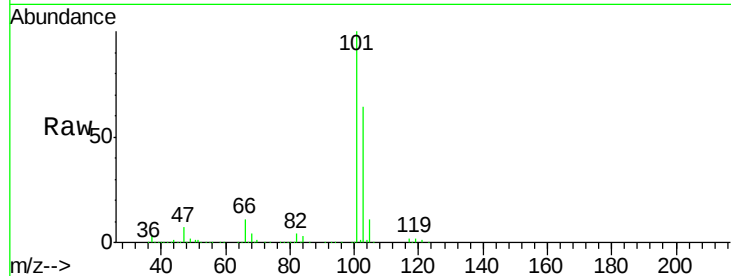
Trichlorofluoromethane
 Concen: 51.60 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	217925		
103	63.8	53.2	79.8	

Manual Integrations
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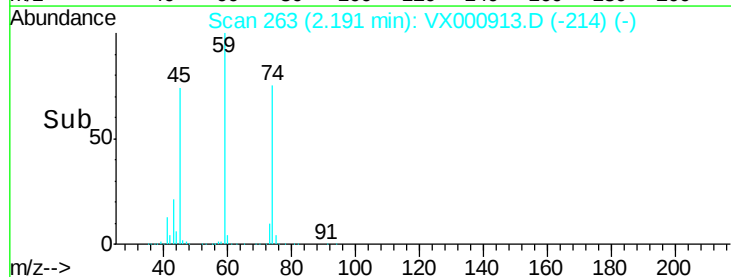
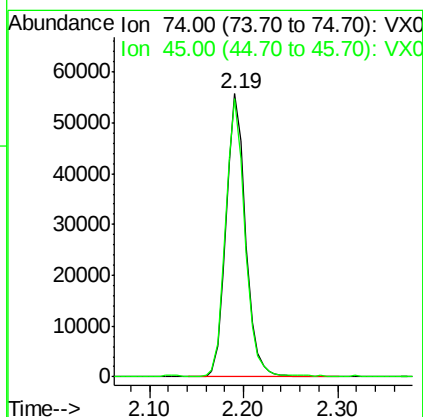
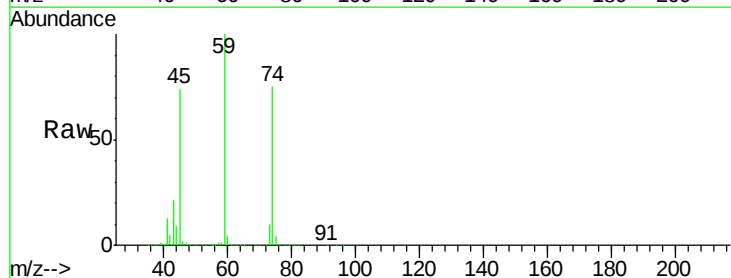
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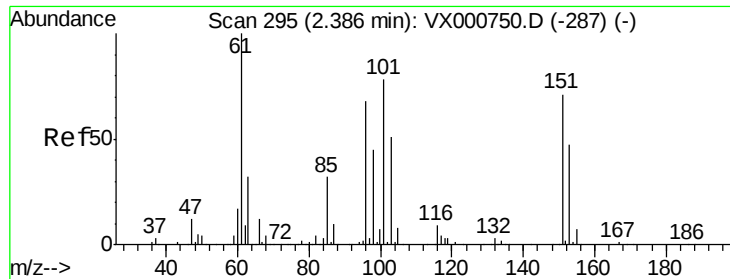


#8

Diethyl Ether
 Concen: 50.72 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	80027		
45	97.8	48.6	145.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.48 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

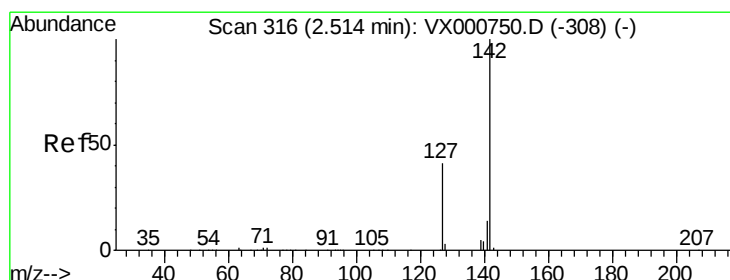
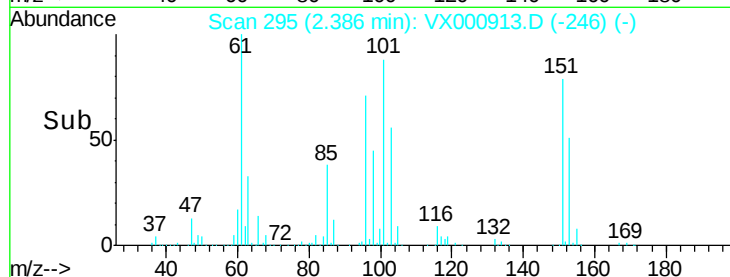
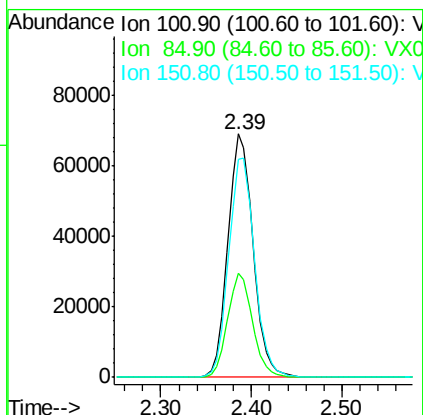
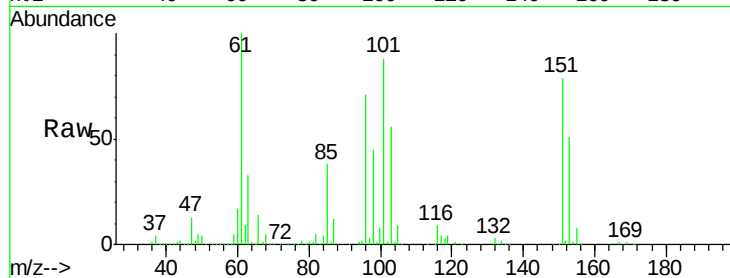
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	133177
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.0	51.0
151	92.7	75.8	113.8

Manual Integrations
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4/18/2018 2:45:06 PM



#10

Methyl Iodide

Concen: 53.40 ug/l

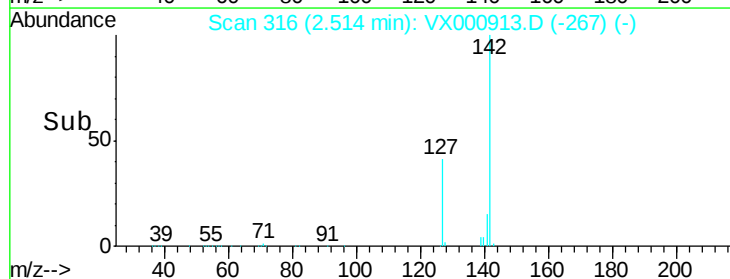
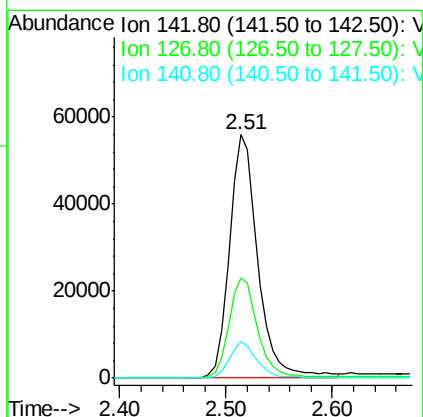
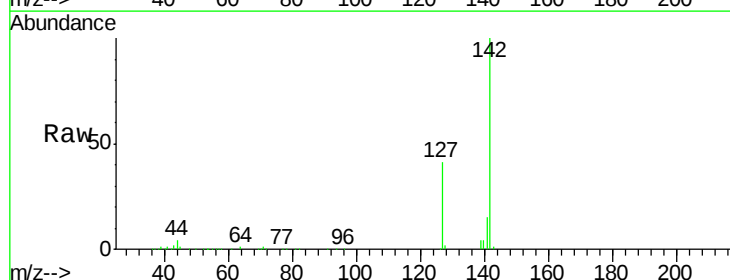
RT: 2.51 min Scan# 316

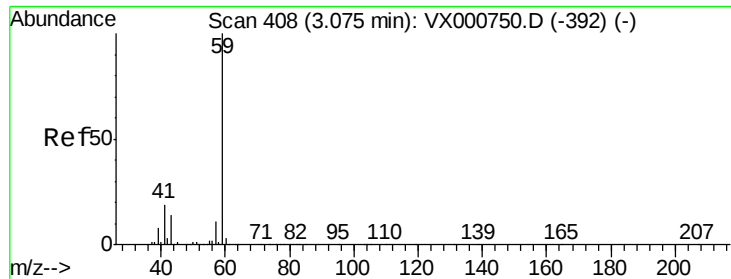
Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Tgt Ion:	142	Resp:	104806
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.6	49.0
141	14.6	11.5	17.3





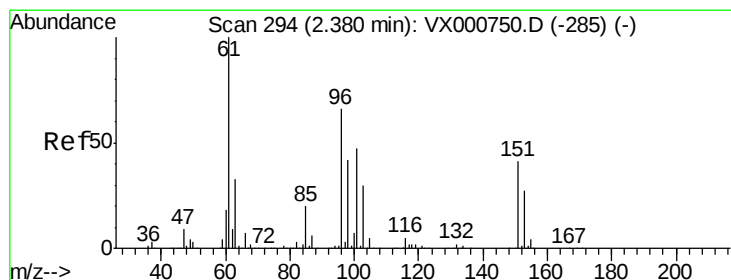
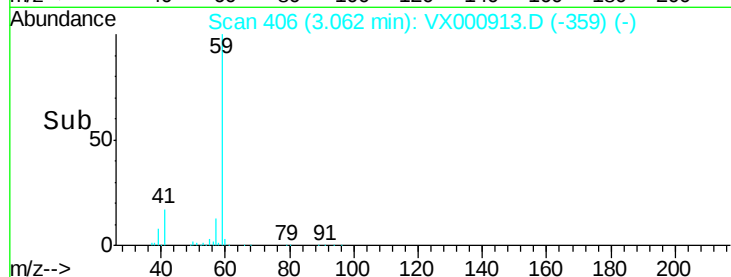
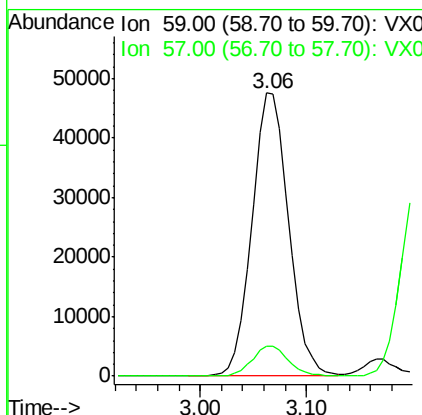
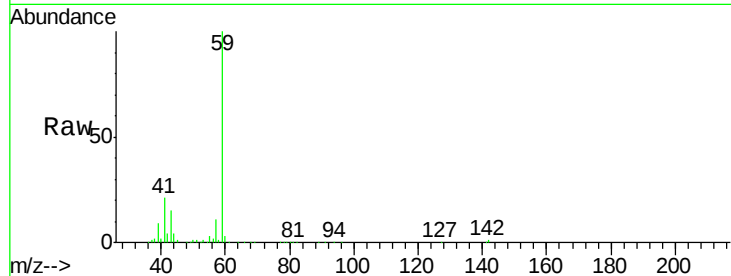
#11
Tert butyl alcohol
Concen: 199.61 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.01 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.8	Resp	114907	Lower	8.4	Upper	12.6
Ion											

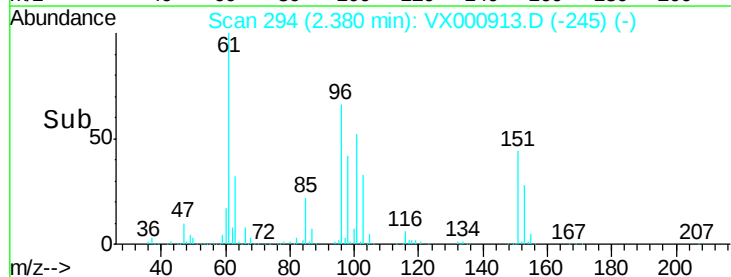
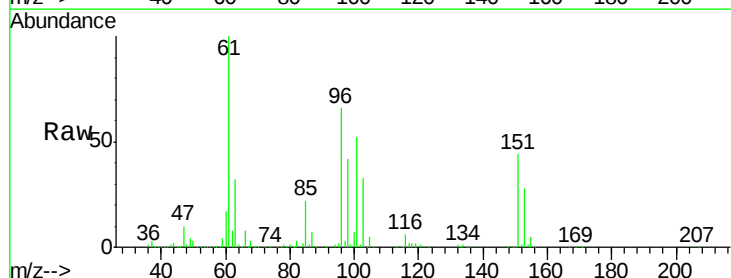
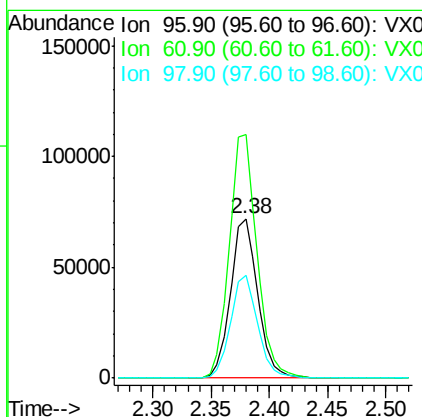
Manual Integrations
APPROVED

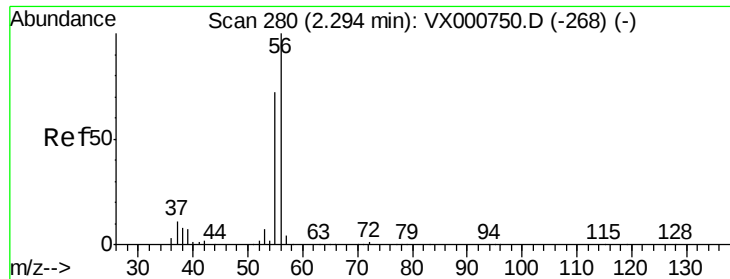
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.63 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	96	61	98	Ratio	100	152.5	64.4	Resp	117140	Lower	120.5	50.9	Upper	180.7	76.3
Ion															





#13

Acrolein

Concen: 269.44 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 75324

Ion Ratio Lower Upper

56 100

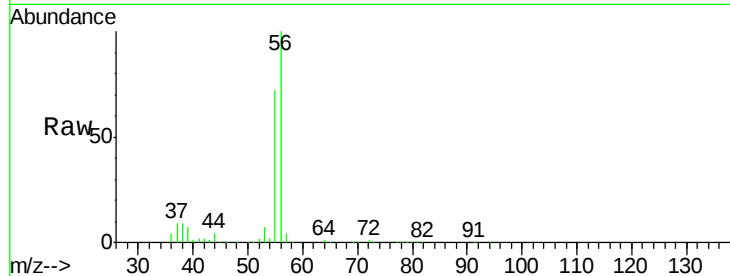
55 72.7 58.7 88.1

Manual Integrations

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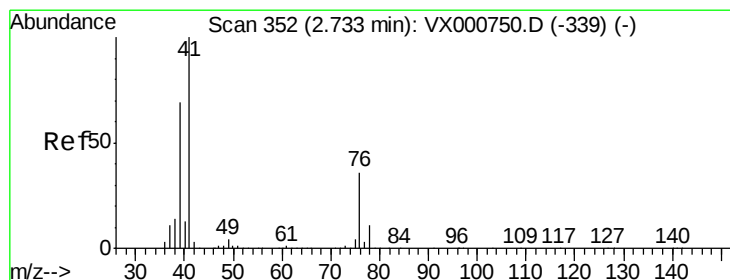
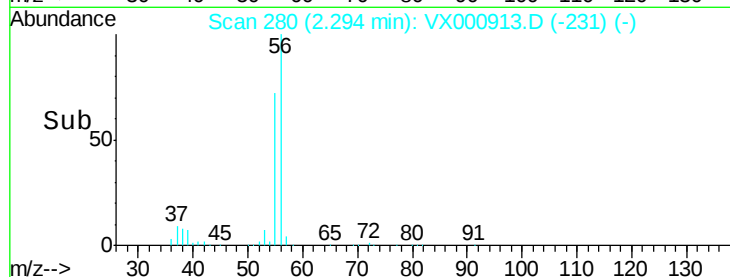
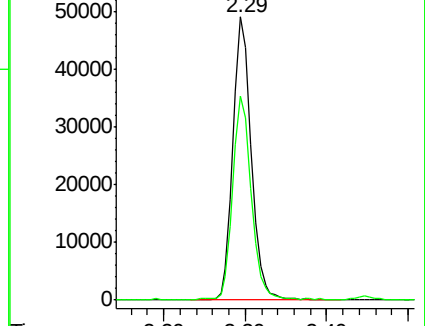
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 49.53 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

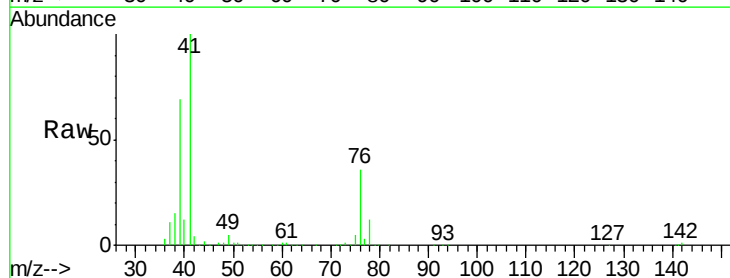
Tgt Ion: 41 Resp: 216142

Ion Ratio Lower Upper

41 100

39 64.6 51.5 77.3

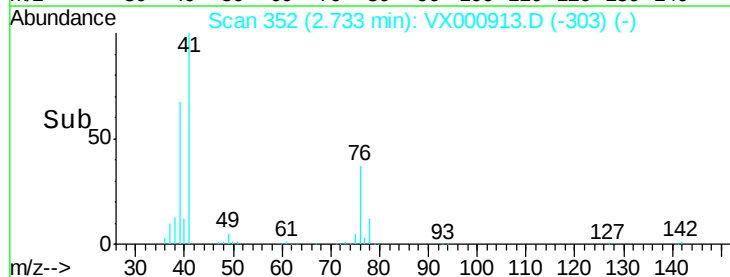
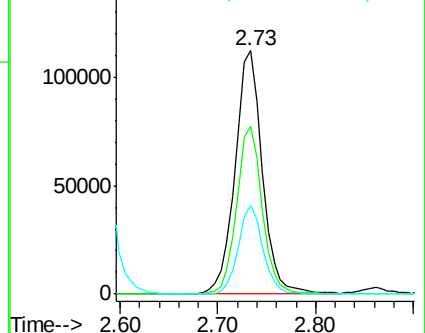
76 32.9 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 248.24 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

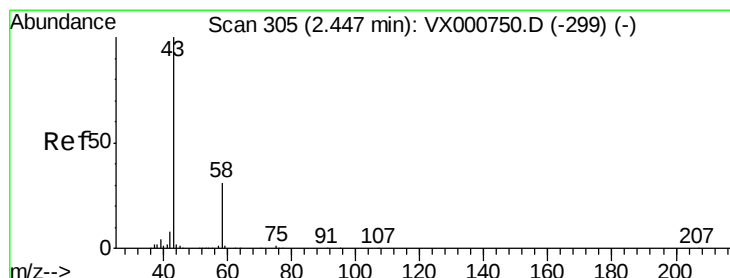
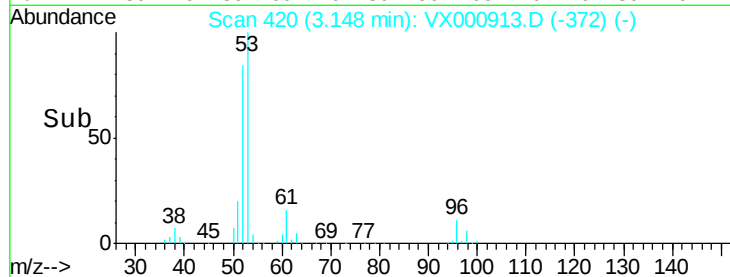
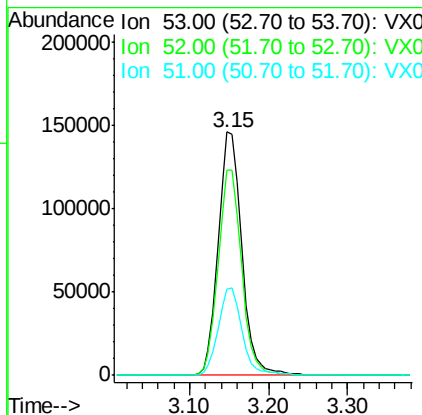
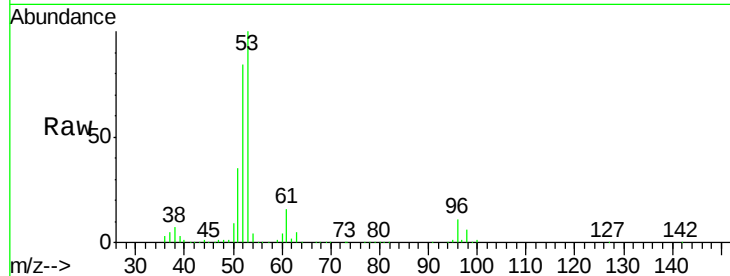
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	304668
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.5	99.7
51	36.2	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 234.47 ug/l

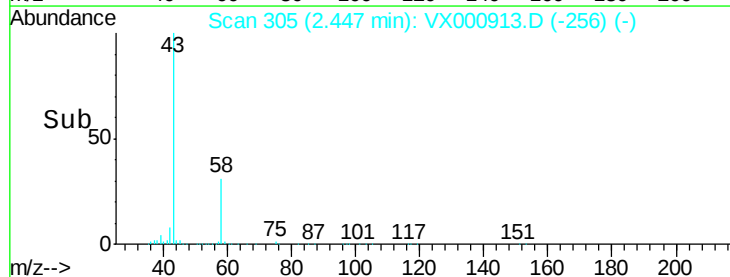
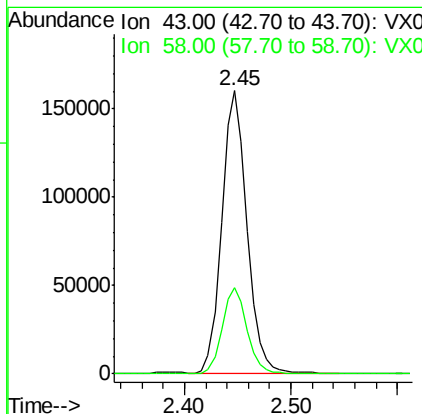
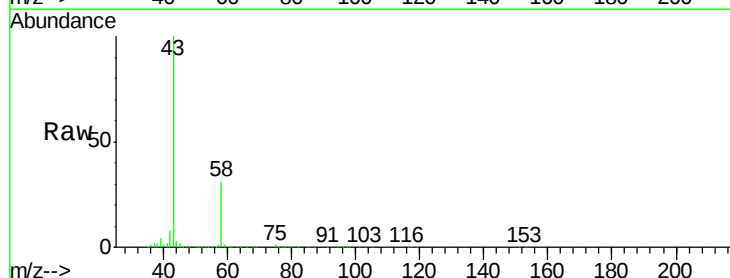
RT: 2.45 min Scan# 305

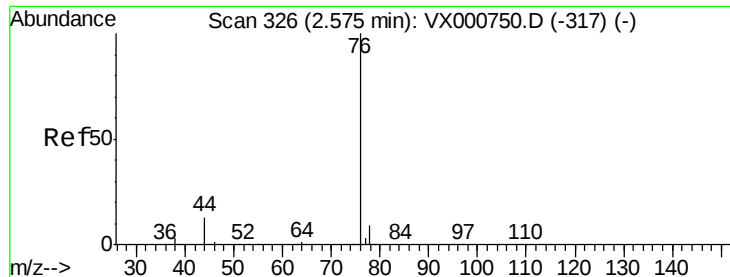
Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Tgt Ion:	43	Resp:	262168
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.6	37.0





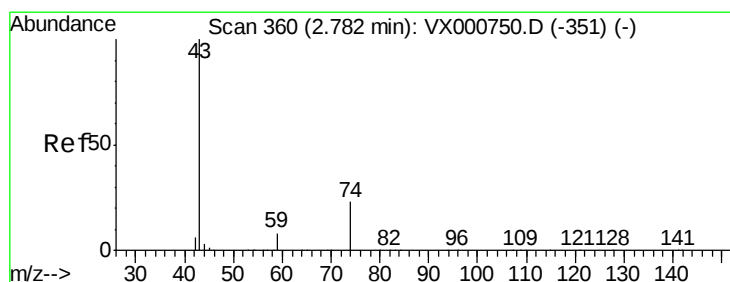
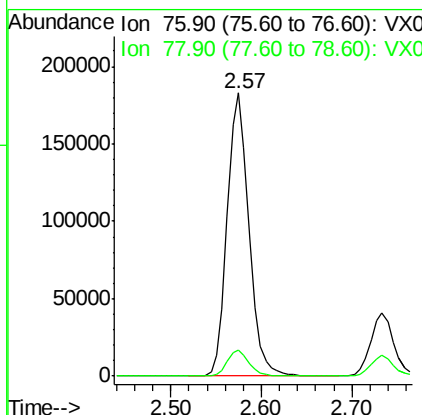
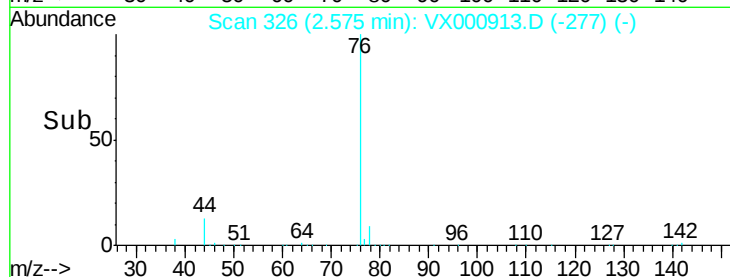
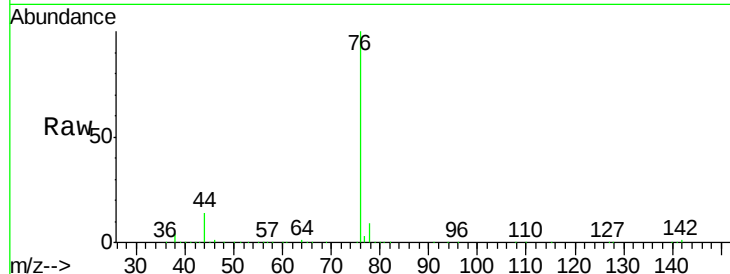
#17
Carbon Disulfide
Concen: 42.55 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

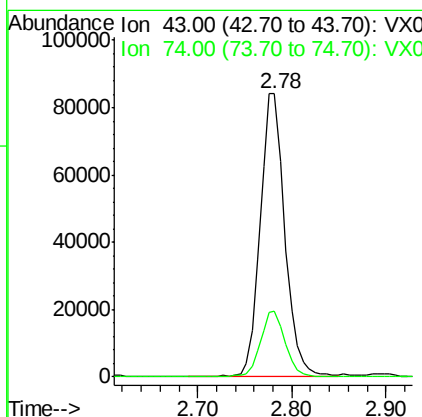
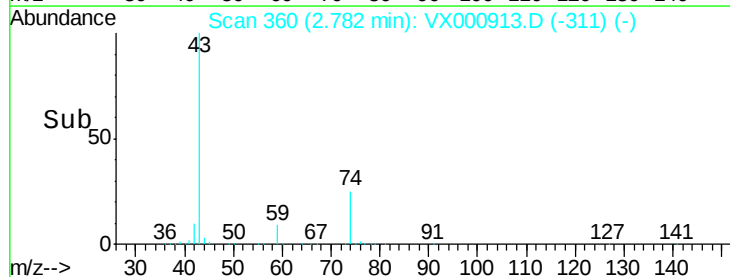
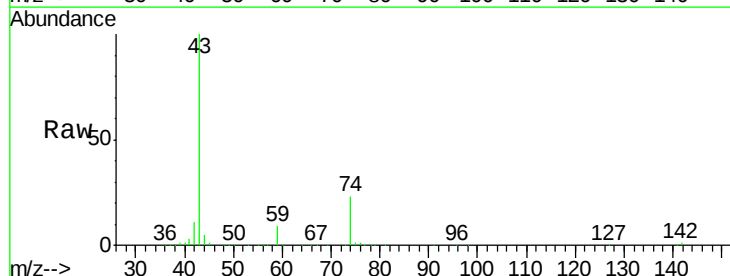
Manual Integrations
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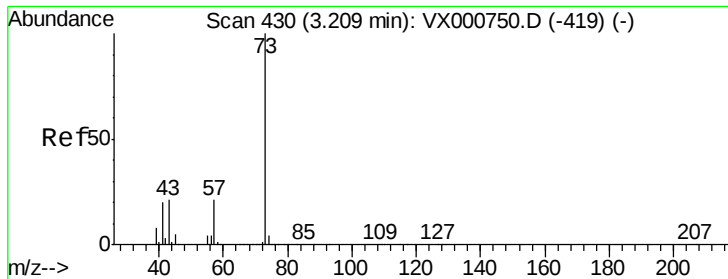
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#18
Methyl Acetate
Concen: 53.46 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.1	28.7





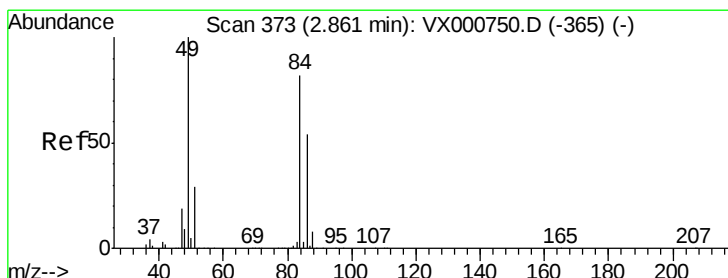
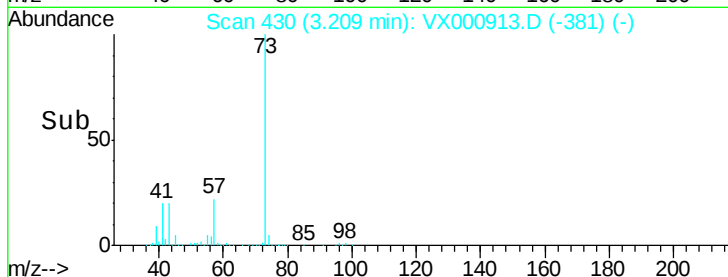
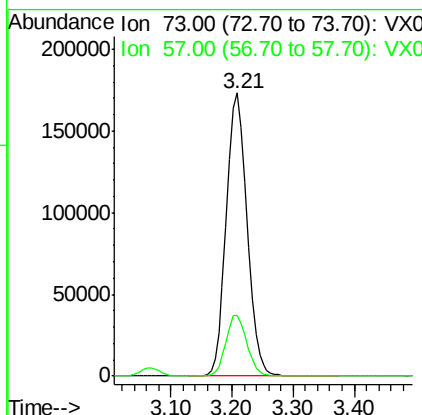
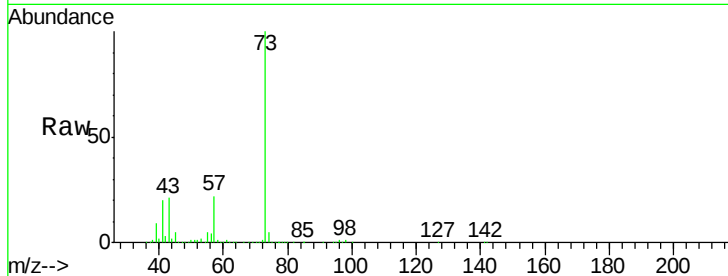
#19
Methyl tert-butyl Ether
Concen: 51.63 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	16.9	25.3

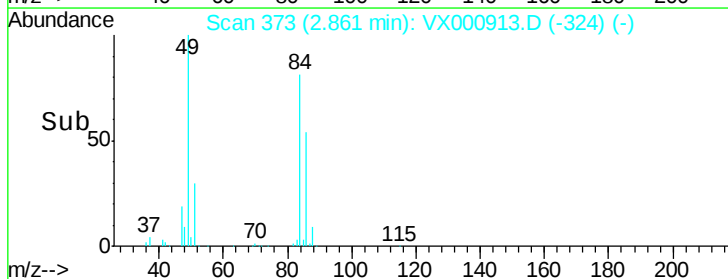
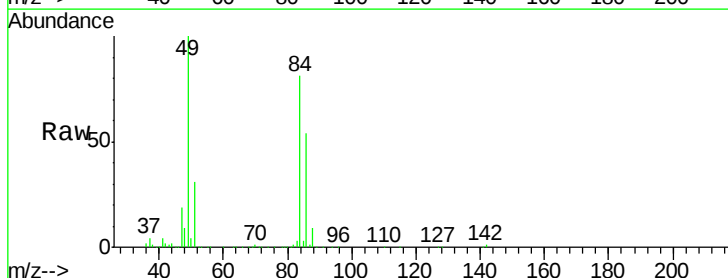
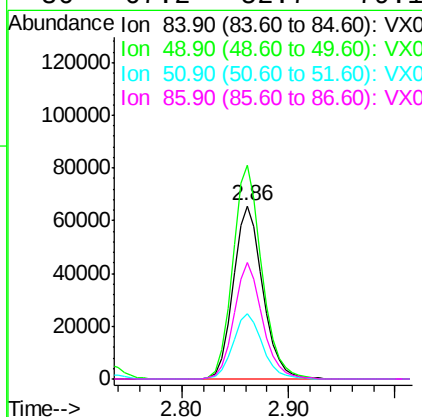
Manual Integrations
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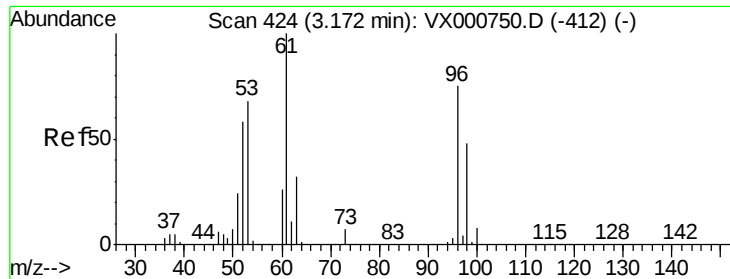
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#20
Methylene Chloride
Concen: 48.93 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.6	98.1	147.1
51	37.7	28.9	43.3
86	67.2	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 49.26 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

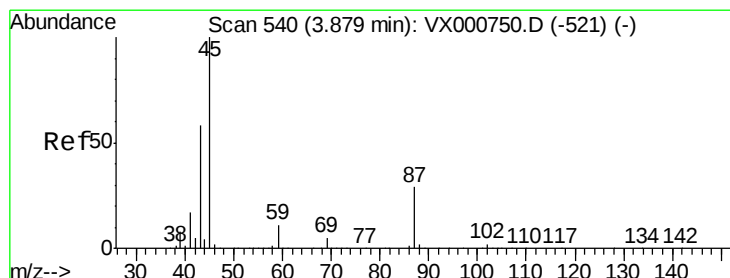
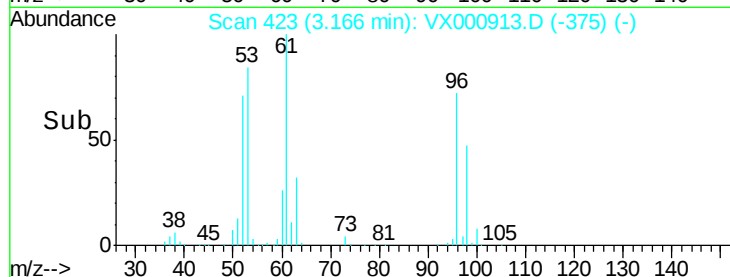
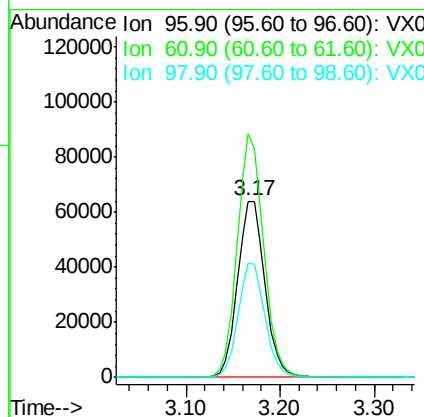
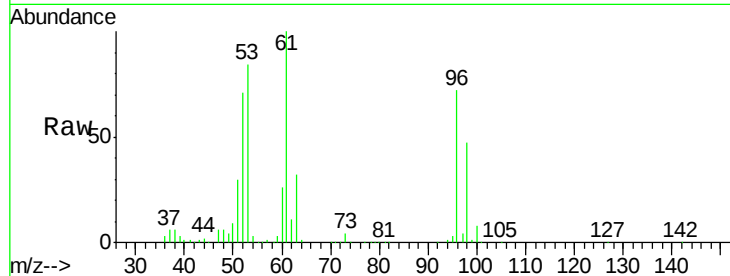
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	128217
Ion	Ratio	Lower	Upper
96	100		
61	138.2	106.2	159.2
98	64.6	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.62 ug/l

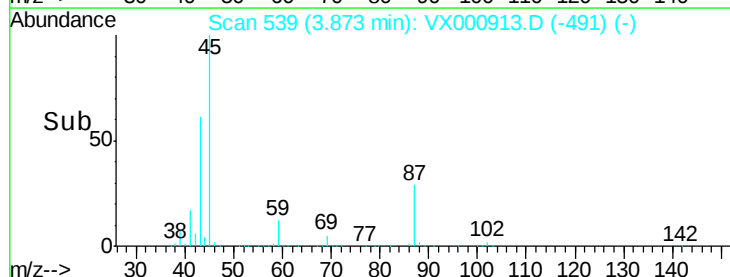
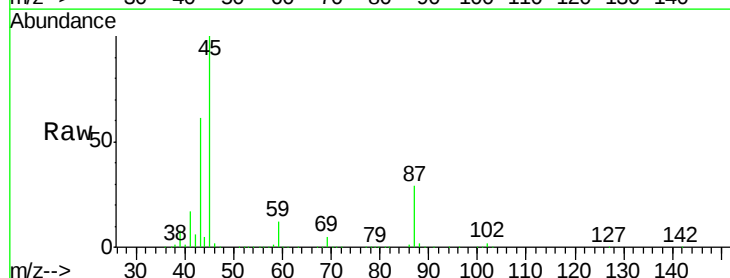
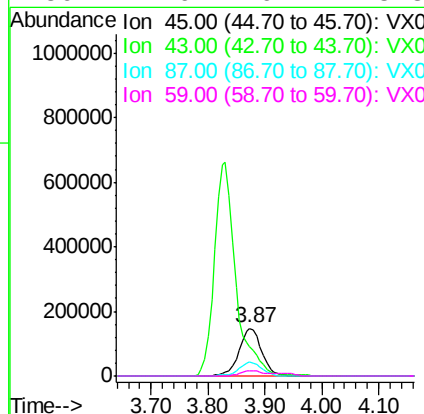
RT: 3.87 min Scan# 539

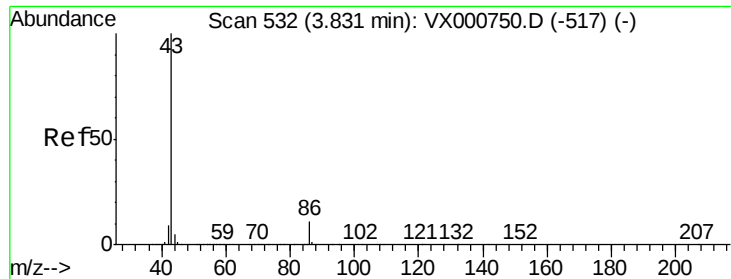
Delta R.T. -0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Tgt Ion:	45	Resp:	414008
Ion	Ratio	Lower	Upper
45	100		
43	60.4	46.6	69.8
87	28.5	22.9	34.3
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 246.72 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1737304

Ion Ratio Lower Upper

43 100

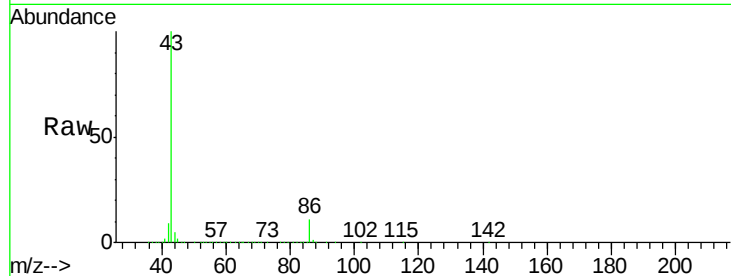
86 10.6 8.6 12.8

Manual Integrations

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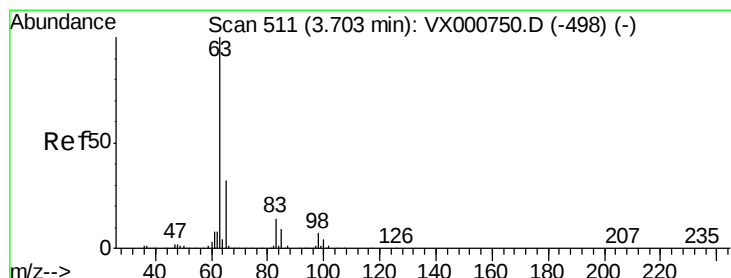
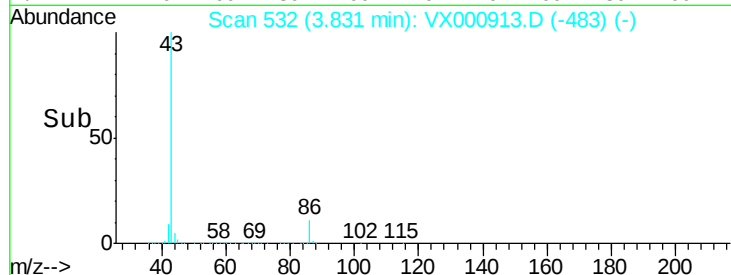
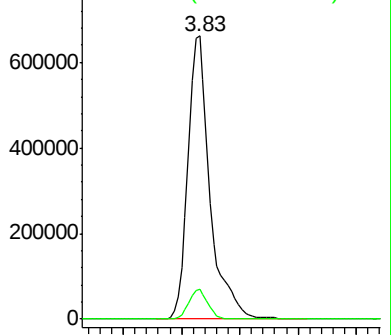
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.79 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

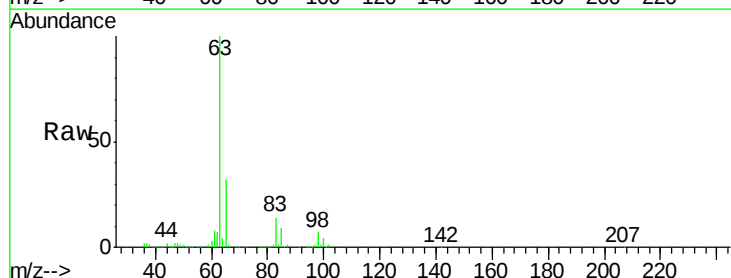
Tgt Ion: 63 Resp: 228561

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

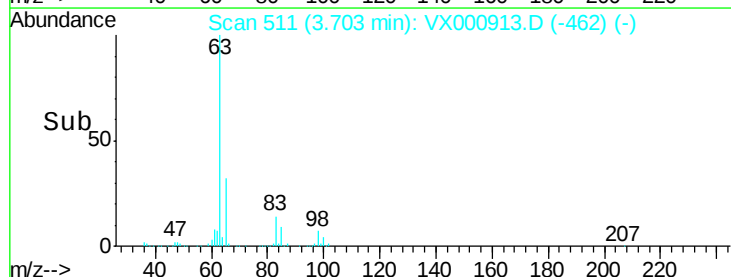
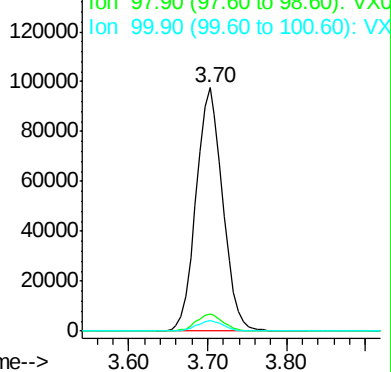
100 4.5 2.1 6.3

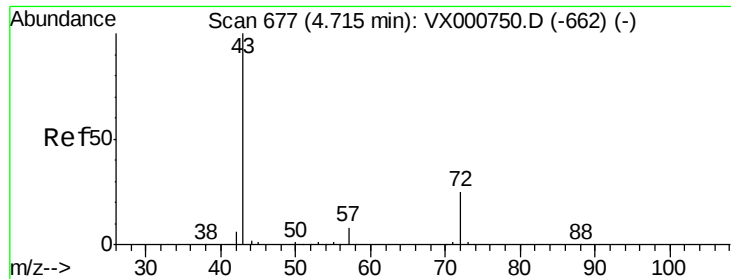


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 235.38 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 434628

Ion Ratio Lower Upper

43 100

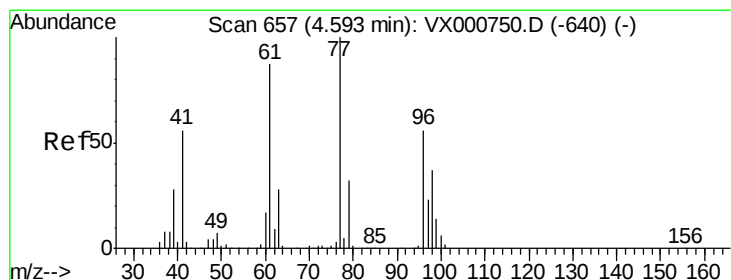
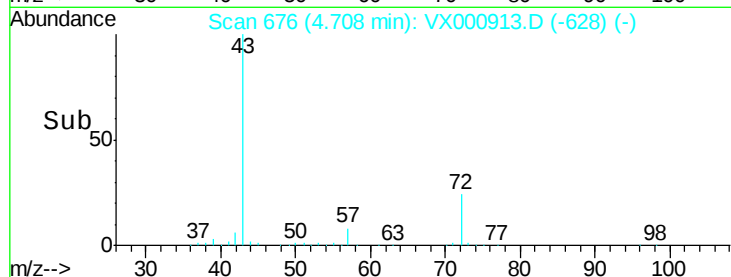
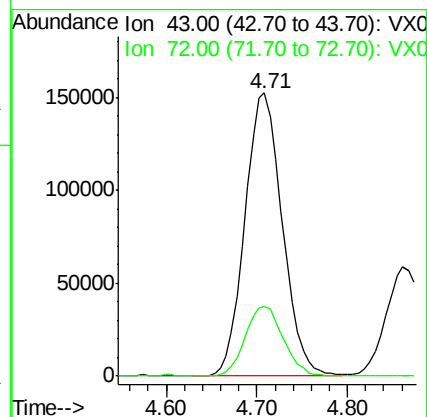
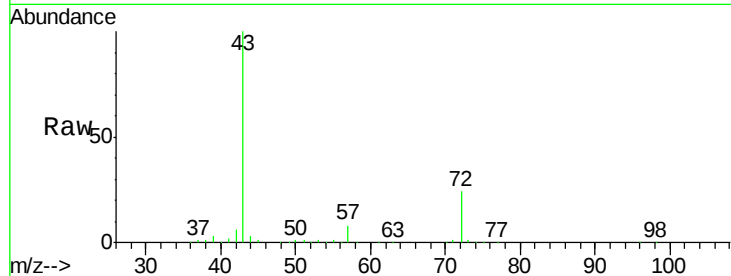
72 24.3 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.46 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000913.D

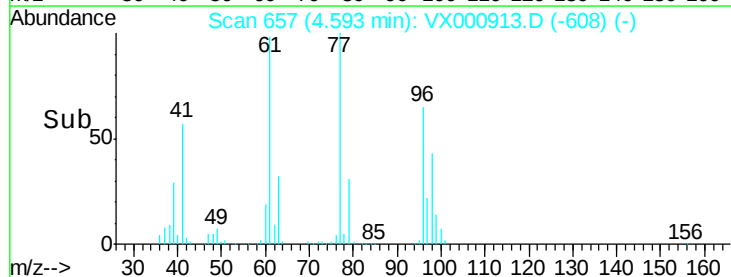
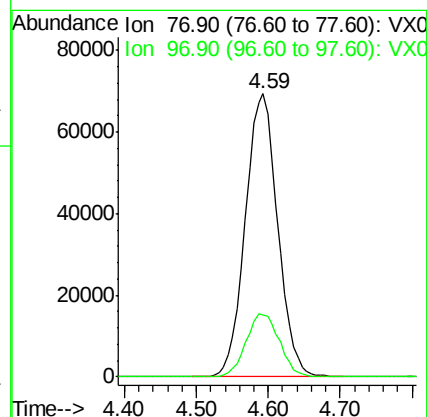
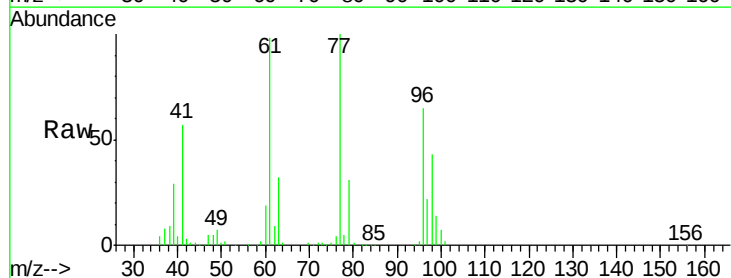
Acq: 16 Apr 2018 12:30

Tgt Ion: 77 Resp: 216466

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4





#27

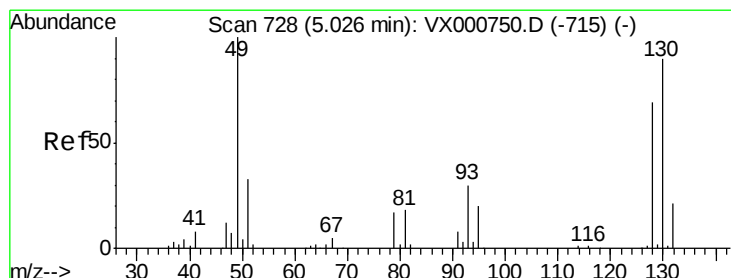
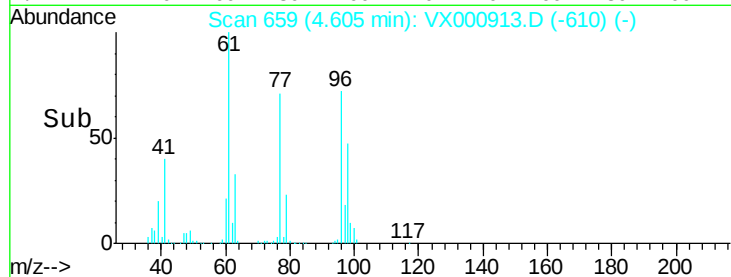
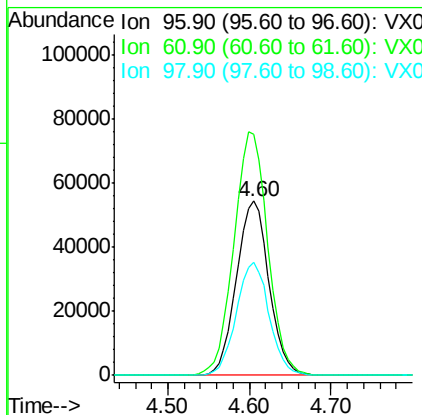
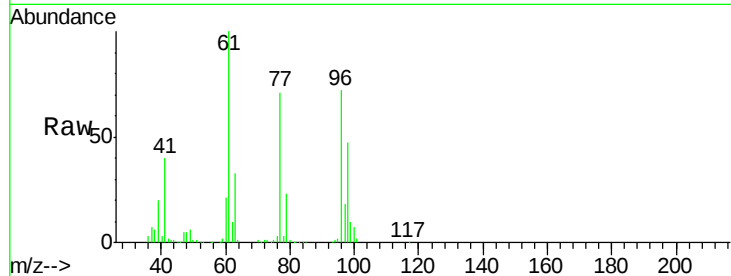
cis-1,2-Dichloroethene
 Concen: 50.97 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.0	0.0	292.4	
98	65.3	0.0	130.2	

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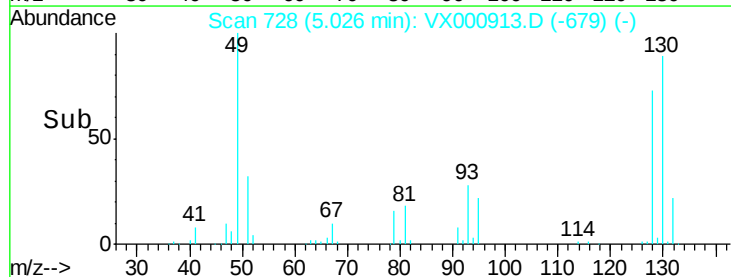
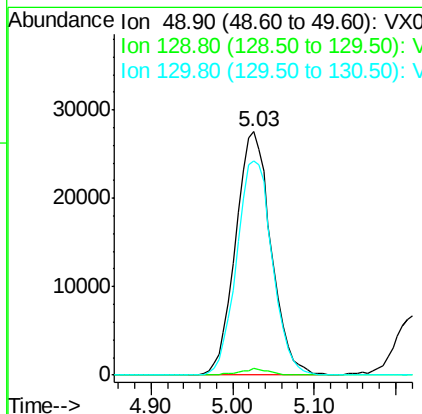
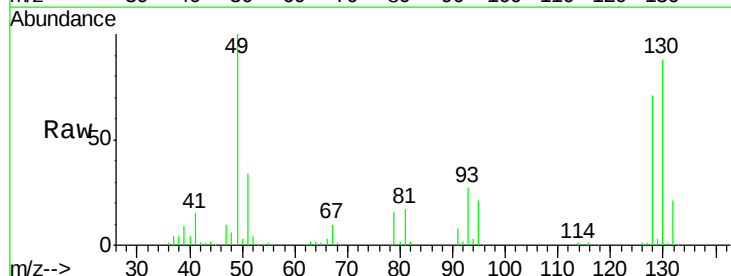
MMDadoda
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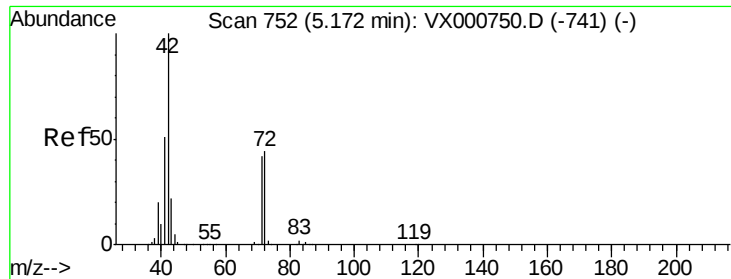


#28

Bromochloromethane
 Concen: 45.96 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	5.2	
130	88.2	72.6	109.0	





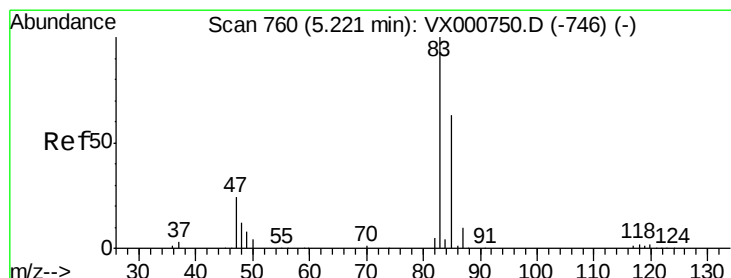
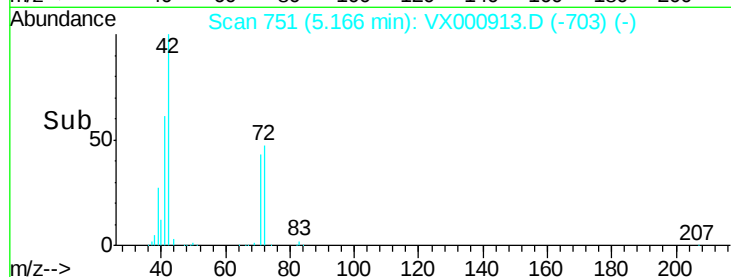
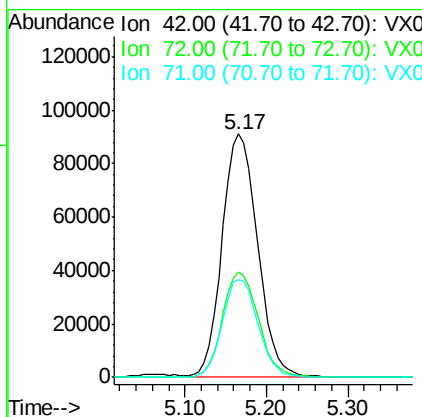
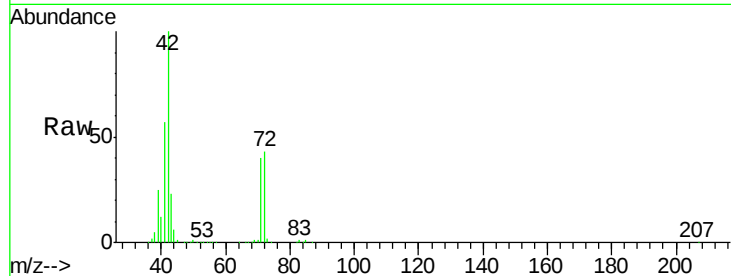
#29
Tetrahydrofuran
Concen: 232.85 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.1	52.7
71	41.0	32.8	49.2

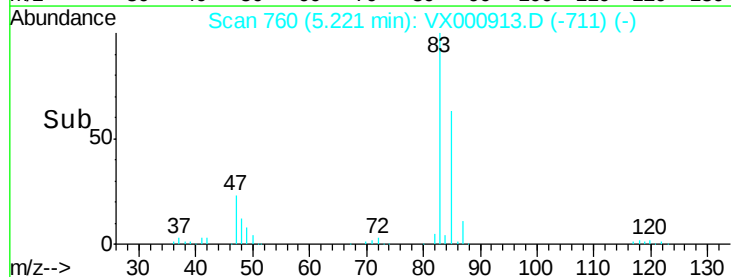
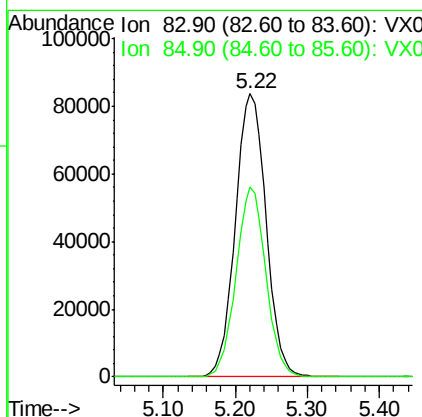
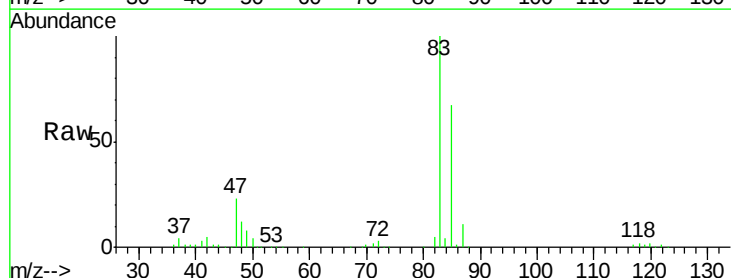
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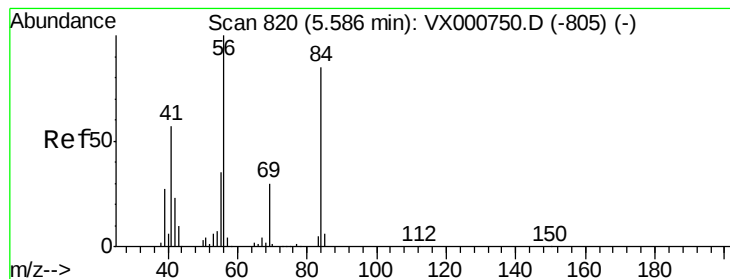
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#30
Chloroform
Concen: 52.05 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.7	76.1





#31

Cyclohexane

Concen: 49.46 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

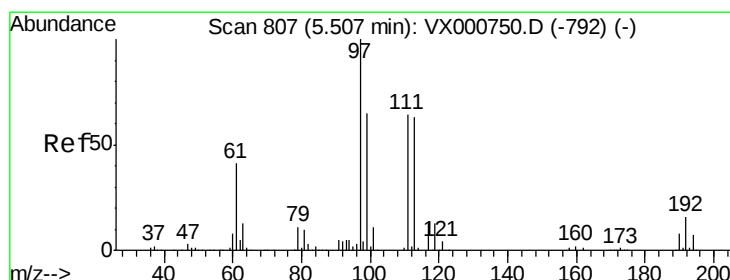
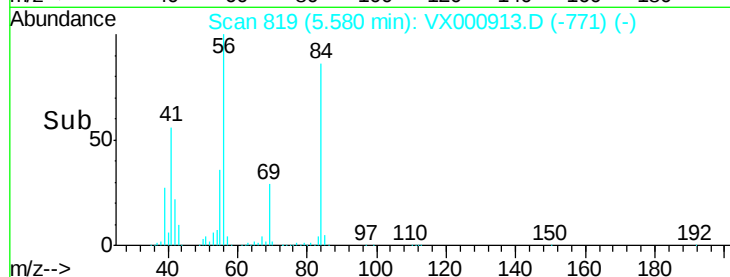
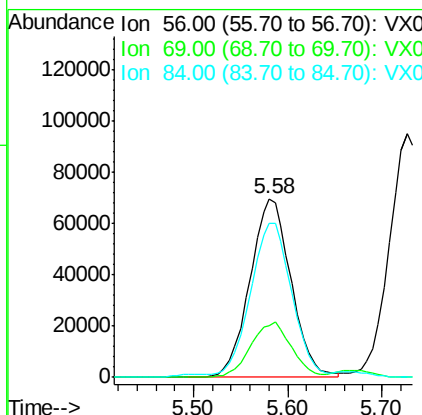
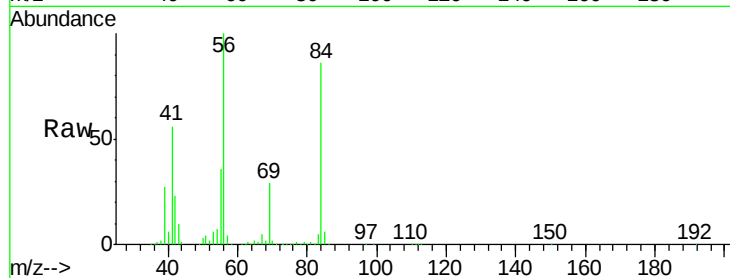
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	211394
Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.2	36.4
84	84.5	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.22 ug/l

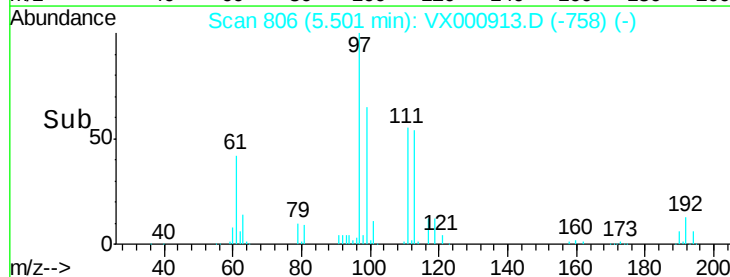
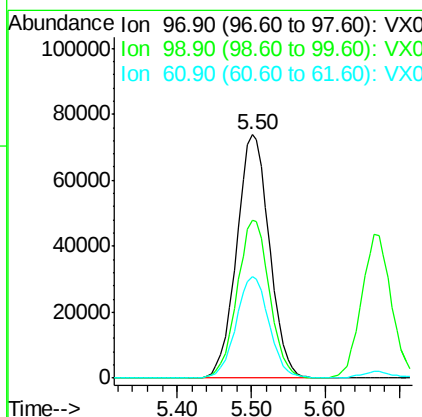
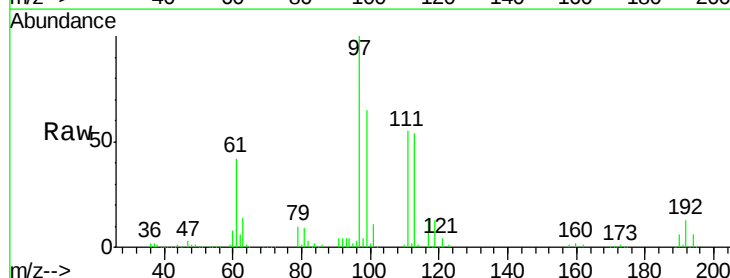
RT: 5.50 min Scan# 806

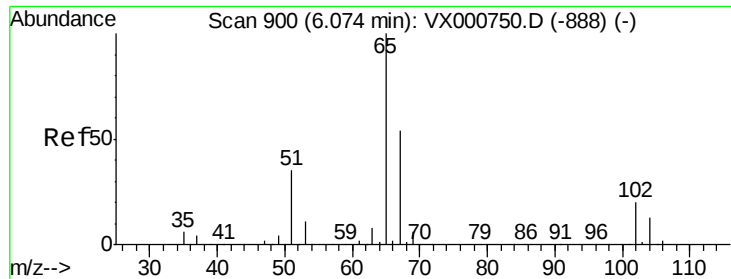
Delta R.T. -0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Tgt Ion:	97	Resp:	227980
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	41.9	33.7	50.5





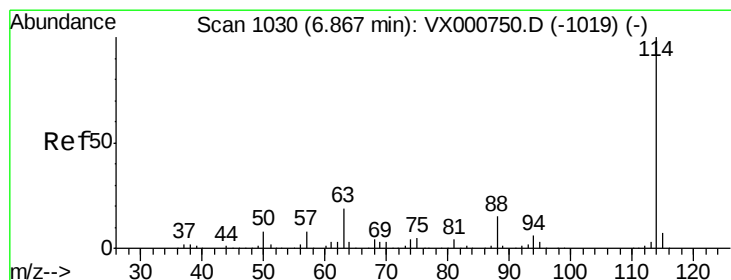
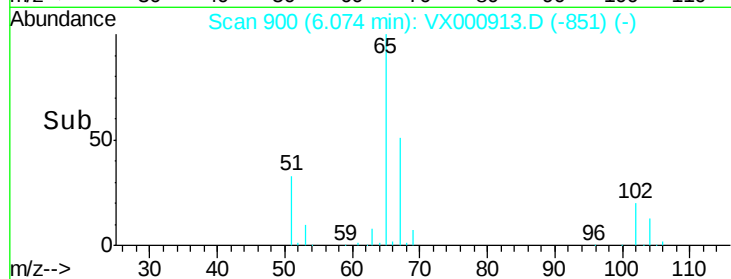
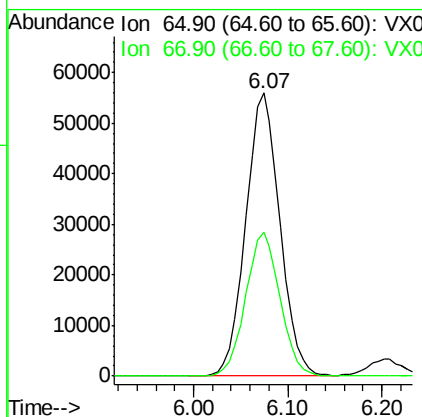
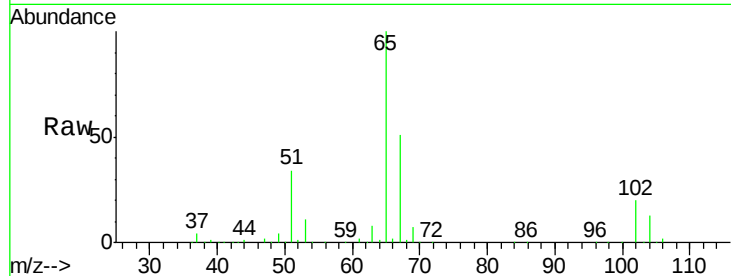
#33
 1,2-Dichloroethane-d4
 Concen: 43.93 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.8

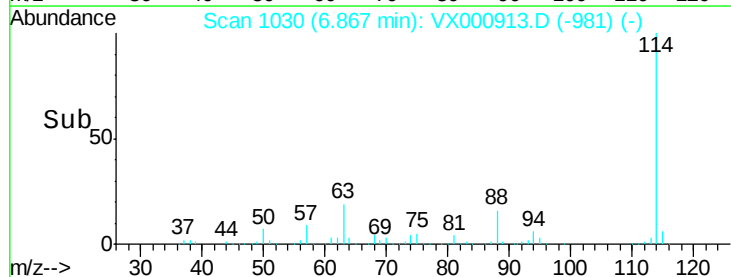
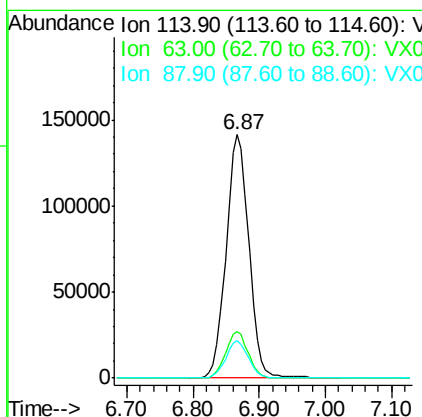
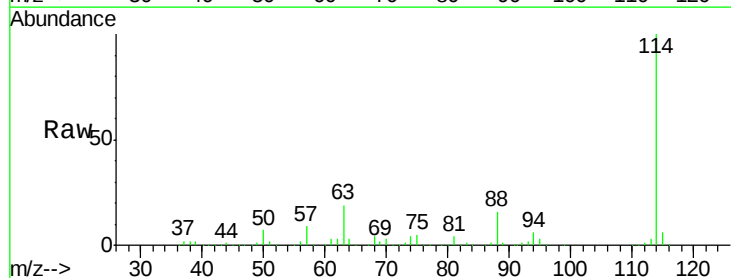
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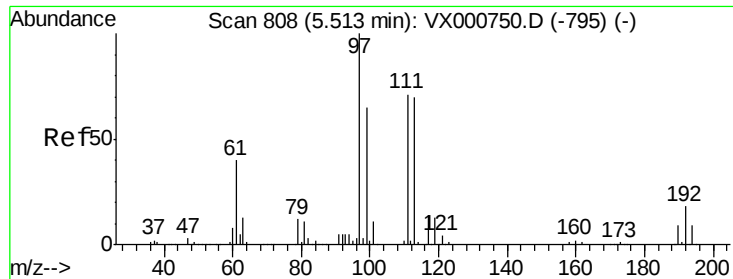
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	38.4
88	15.6	0.0	31.0





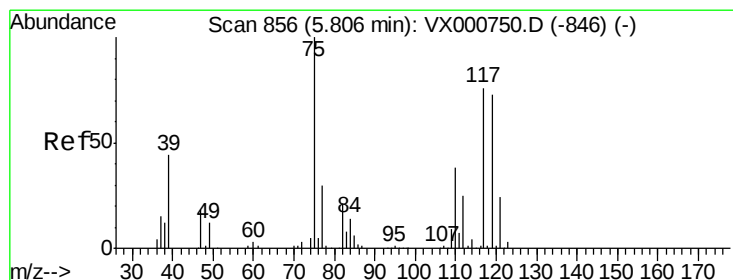
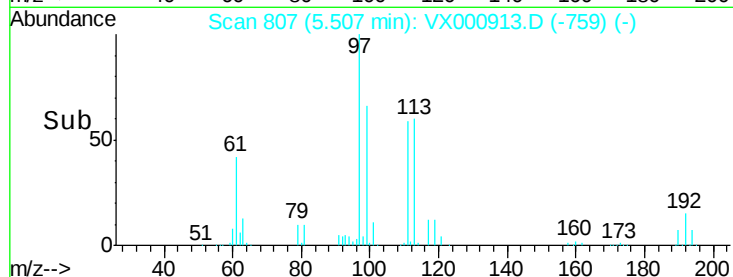
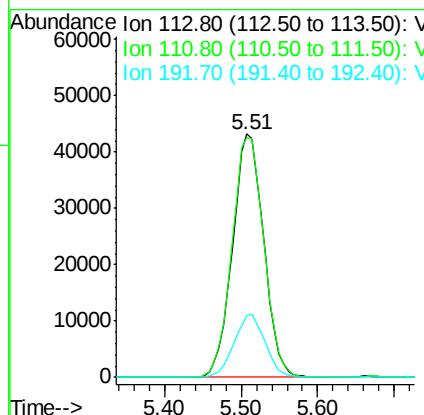
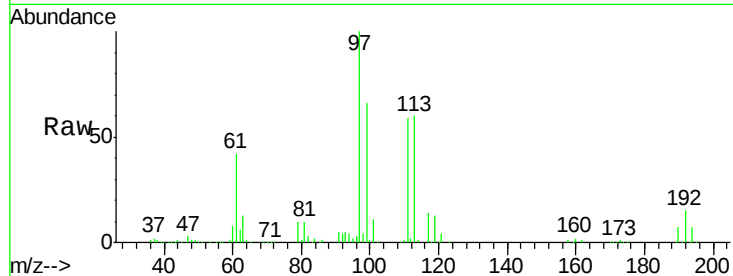
#35
 Dibromofluoromethane
 Concen: 47.05 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121663		
111	101.2	81.5	122.3	
192	25.6	20.4	30.6	

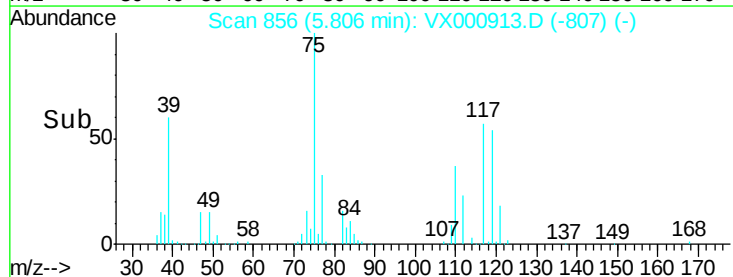
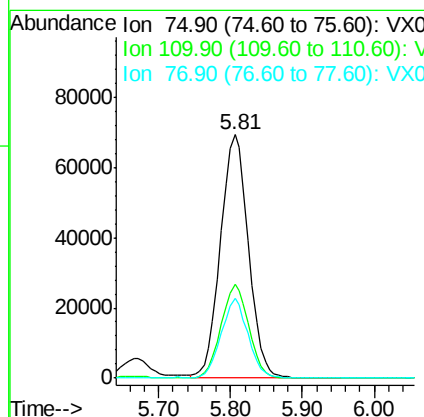
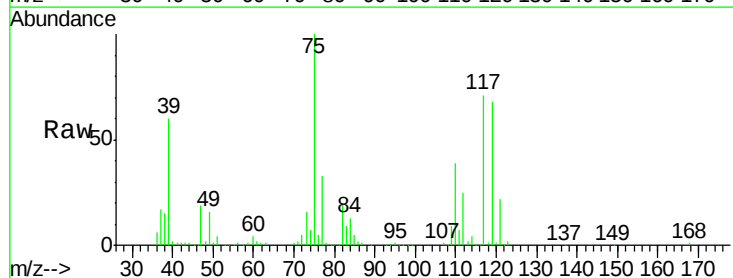
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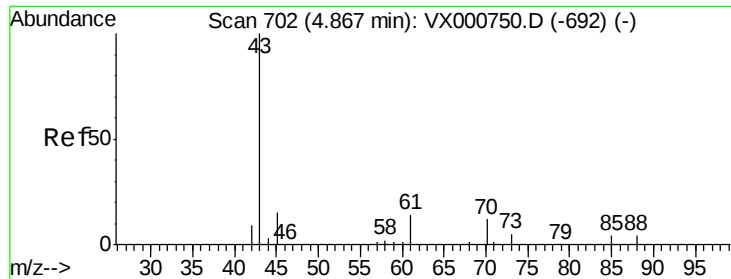
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#36
 1,1-Dichloropropene
 Concen: 50.89 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	188103		
110	37.9	19.2	57.6	
77	31.0	25.4	38.2	





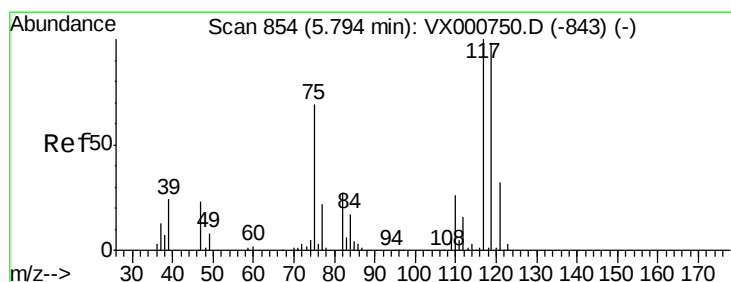
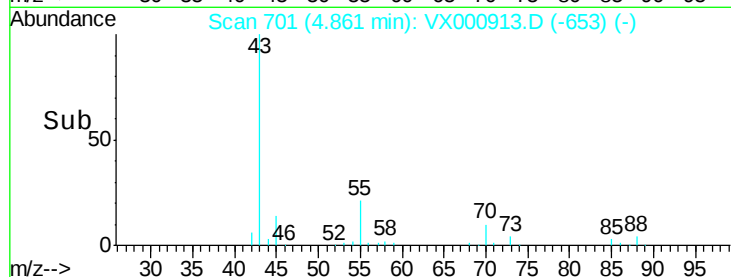
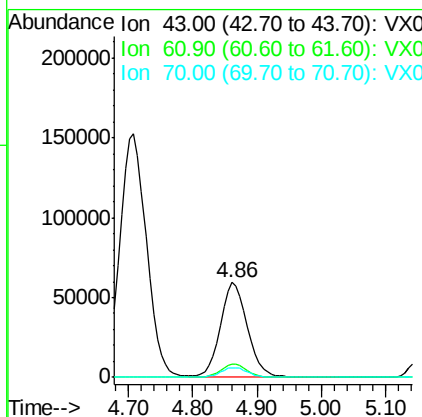
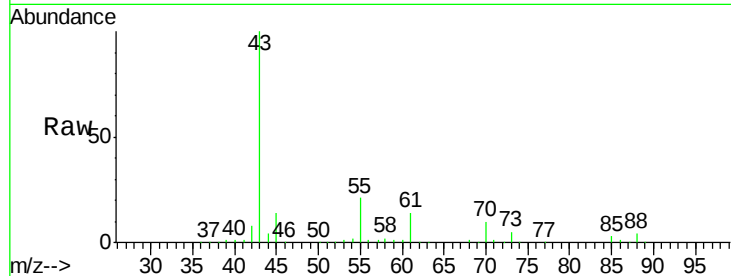
#37
Ethyl Acetate
Concen: 48.48 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.01 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.5	8.7	13.1

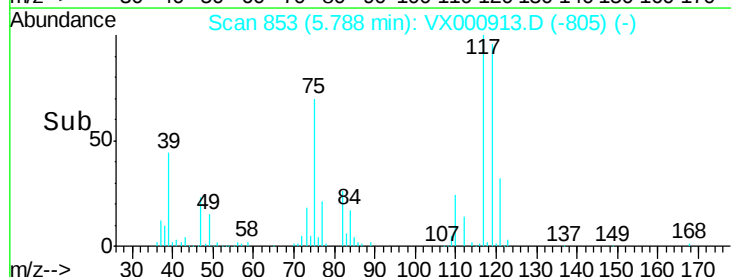
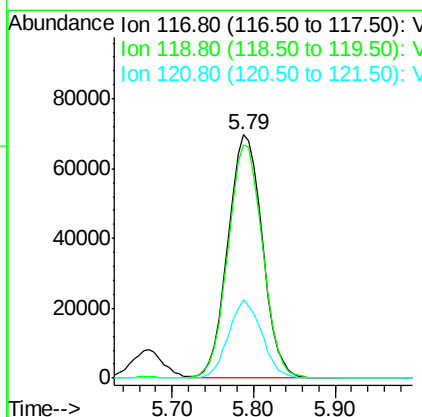
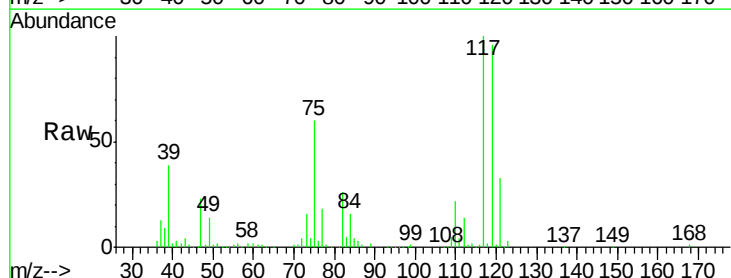
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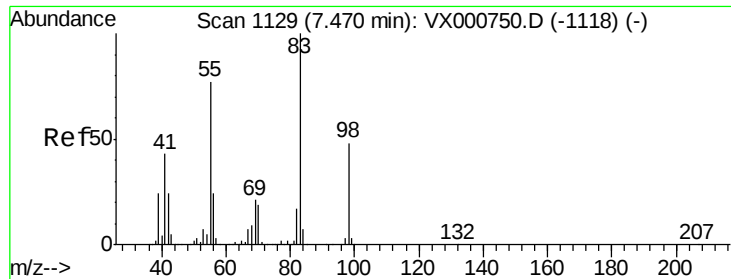
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#38
Carbon Tetrachloride
Concen: 49.12 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.4	117.6
121	32.5	25.4	38.0





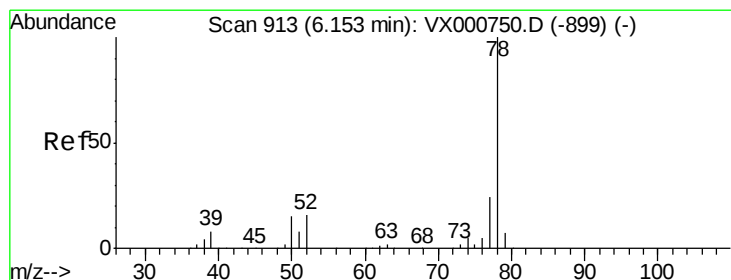
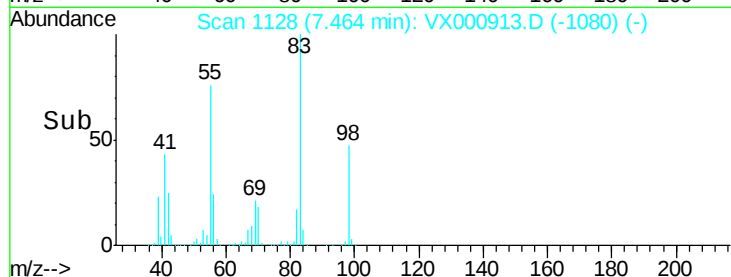
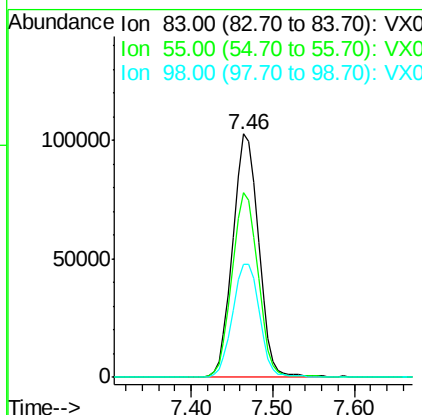
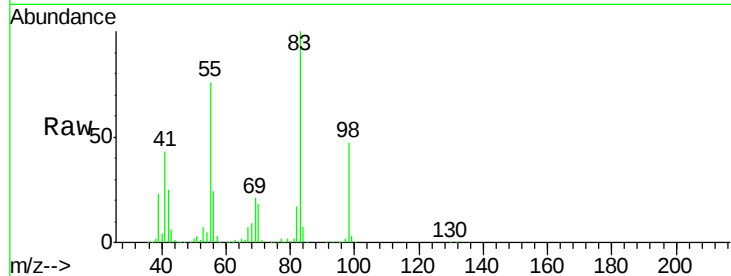
#39
Methylvlcyclohexane
Concen: 50.81 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	225563		
55	76.0		61.5	92.3
98	46.5		38.1	57.1

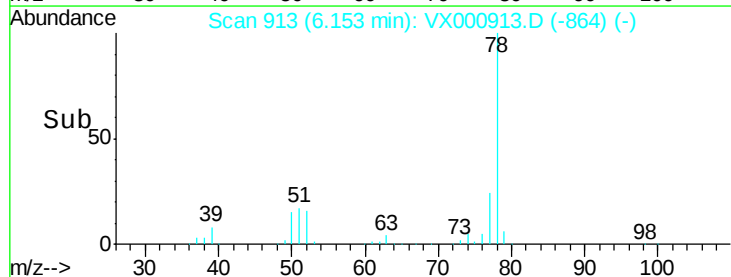
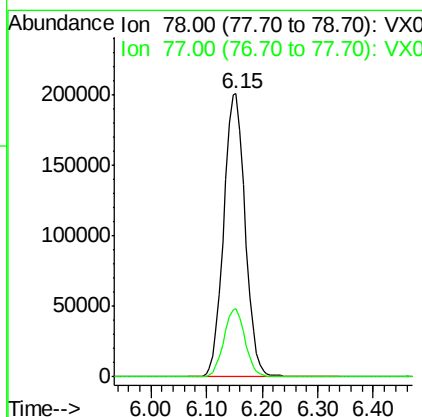
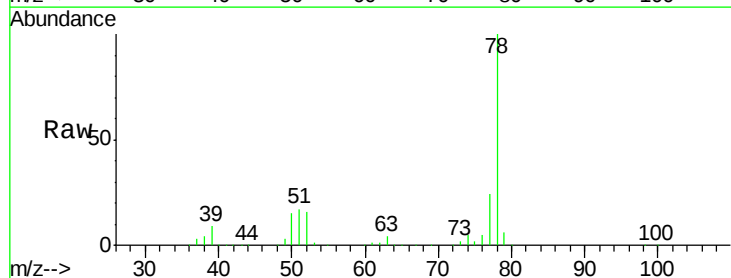
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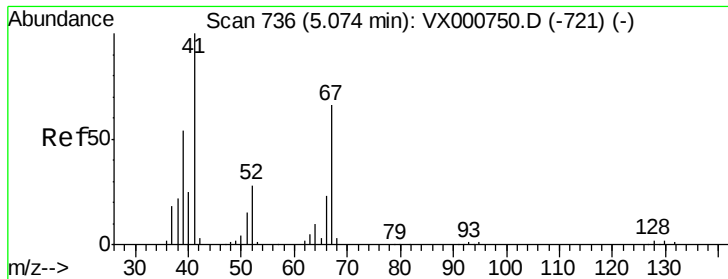
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#40
Benzene
Concen: 52.10 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	535162		
77	24.1		19.0	28.6





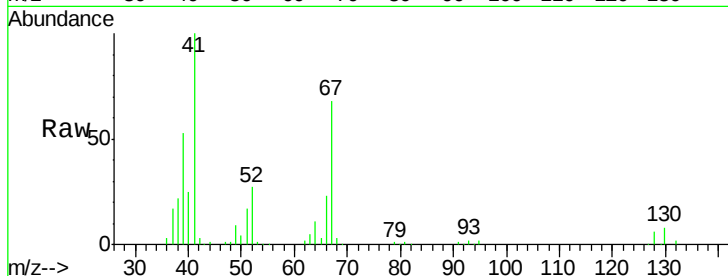
#41
Methacrylonitrile
Concen: 49.90 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

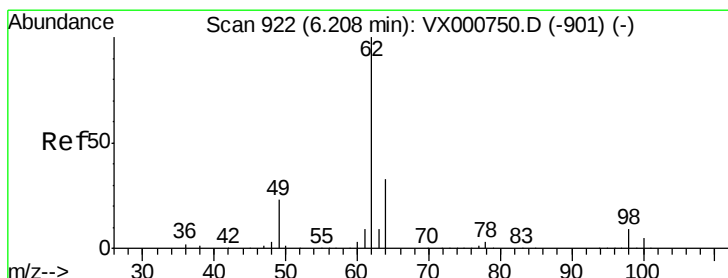
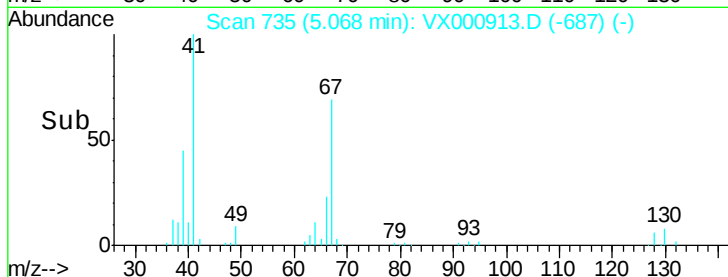
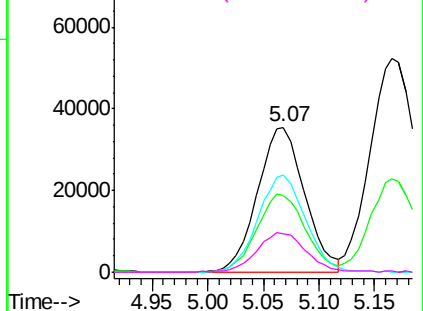
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	44.9	67.3	
67	68.7	54.7	82.1	
52	28.7	23.0	34.6	

Manual Integrations
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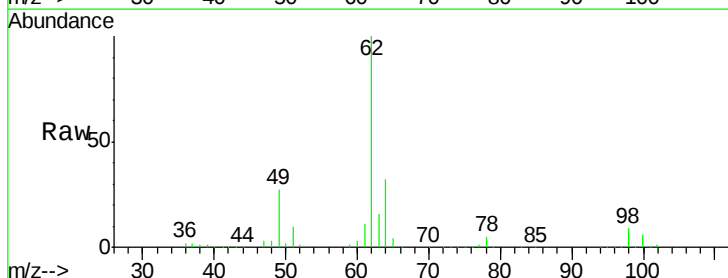


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

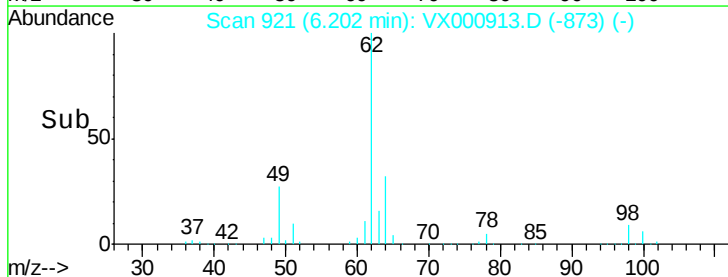
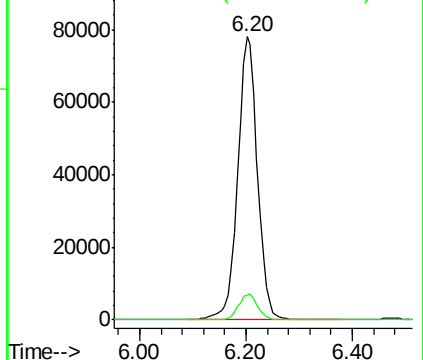


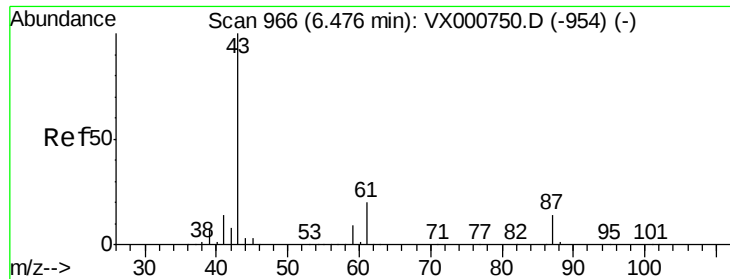
#42
1,2-Dichloroethane
Concen: 52.26 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.6	



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





#43

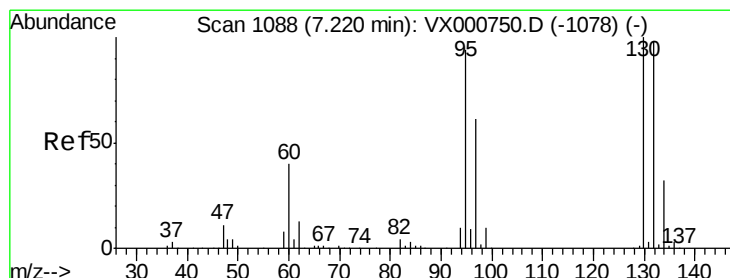
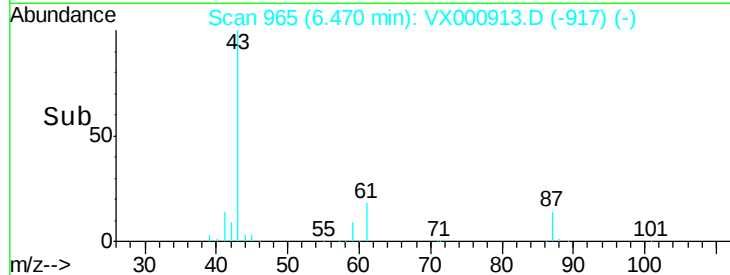
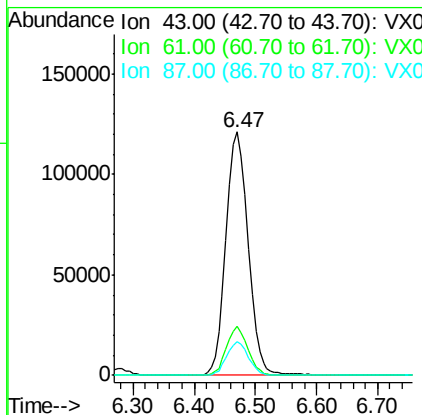
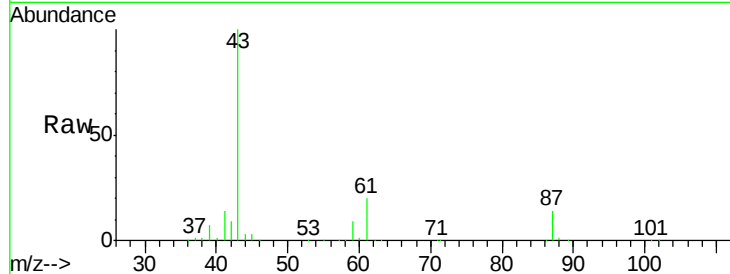
Isopropyl Acetate
 Concen: 49.04 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.6	23.4
87	13.5	10.7	16.1

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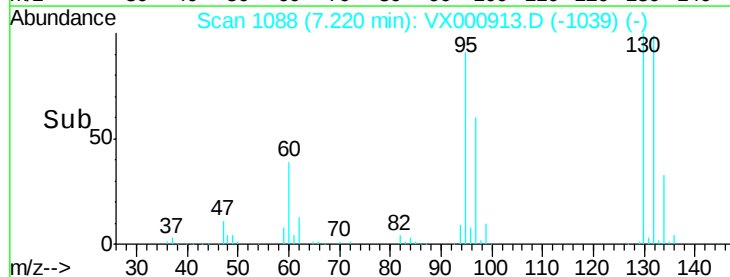
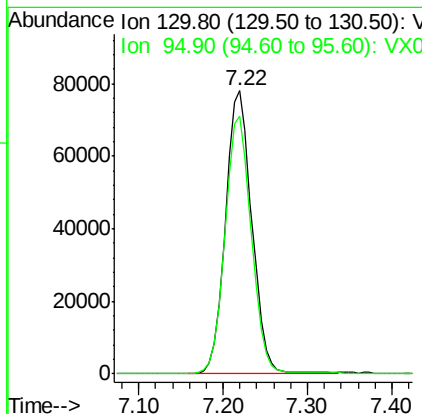
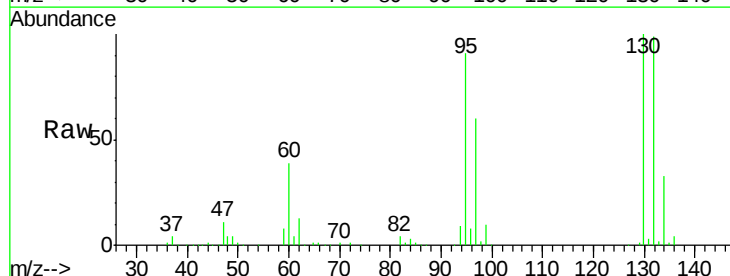
MMDadoda
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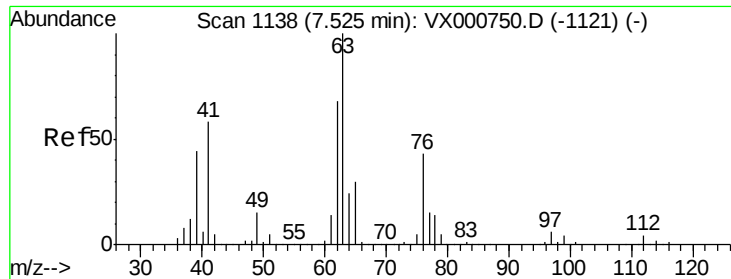


#44

Trichloroethene
 Concen: 52.25 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	187.0





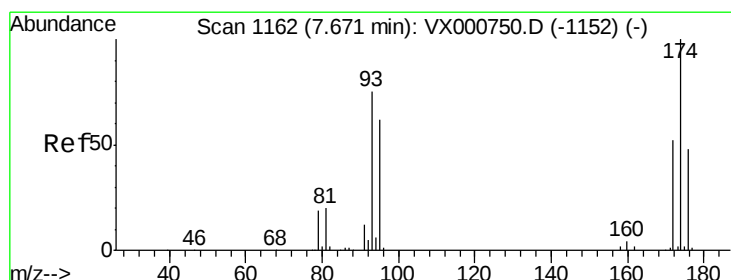
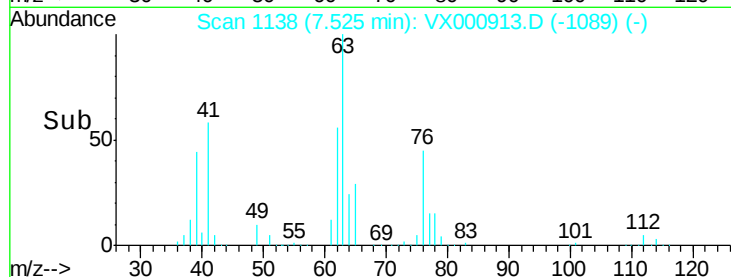
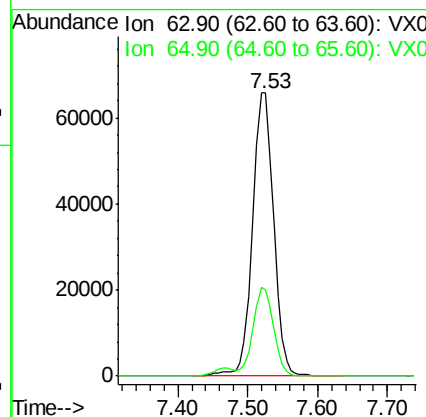
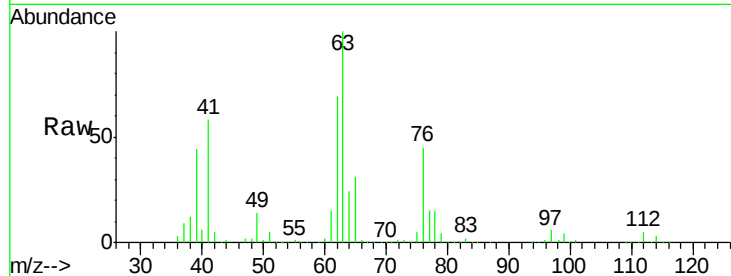
#45
 1,2-Dichloropropane
 Concen: 52.97 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.7	35.5

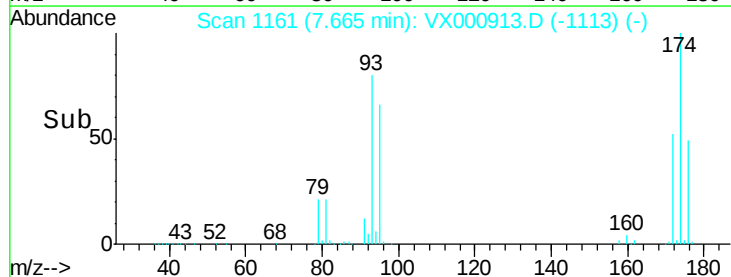
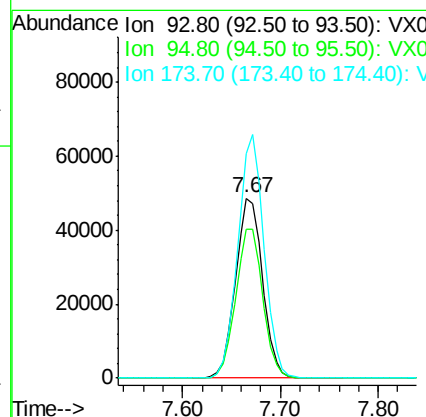
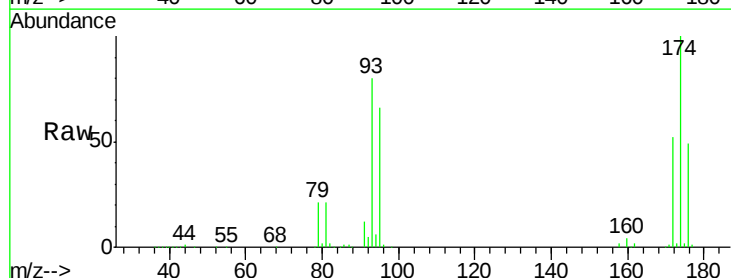
Manual Integrations
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#46
 Dibromomethane
 Concen: 51.22 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.6	100.0
174	130.6	104.5	156.7





#47

Bromodichloromethane

Concen: 50.98 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 187618

Ion Ratio Lower Upper

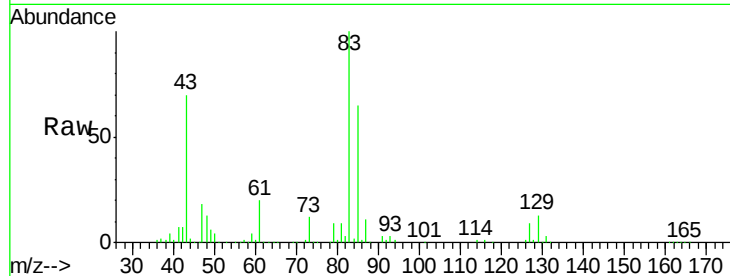
83 100

85 64.5 52.2 78.4

127 9.3 7.8 11.8

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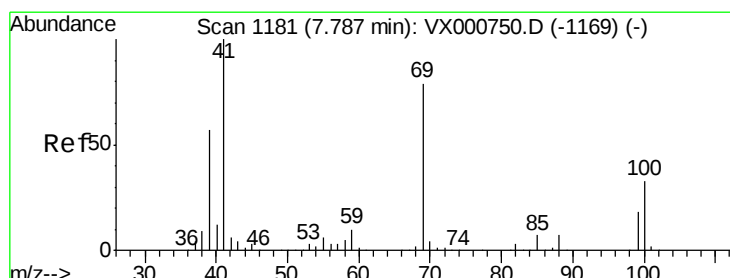
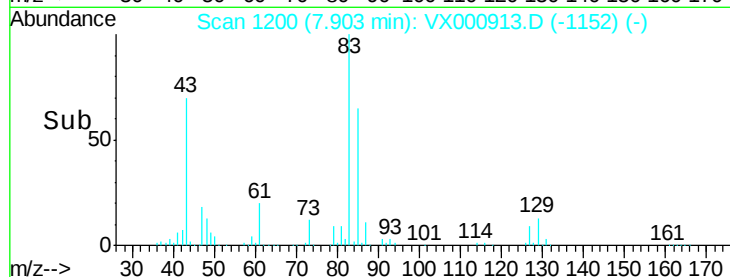
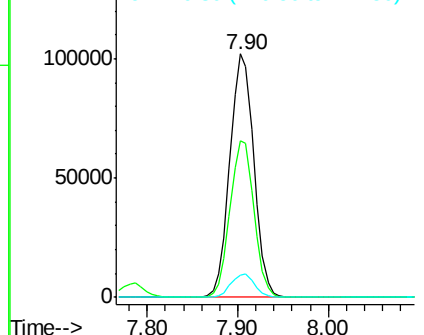
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.42 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

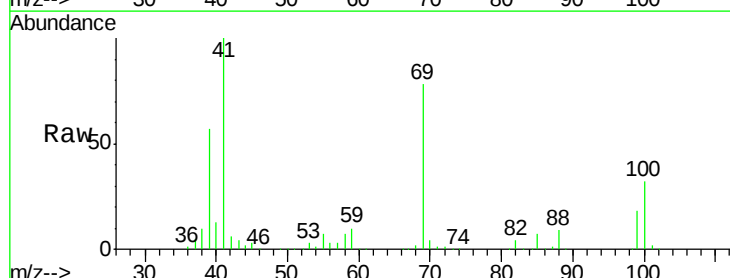
Tgt Ion: 41 Resp: 158497

Ion Ratio Lower Upper

41 100

69 79.9 63.9 95.9

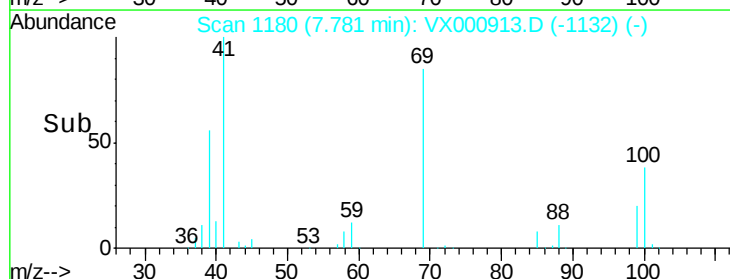
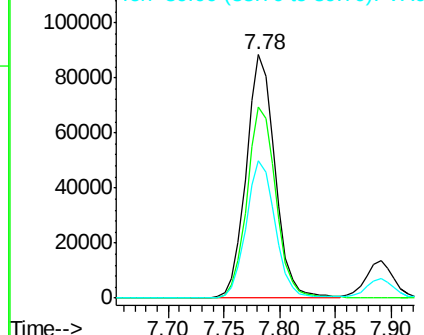
39 57.0 45.9 68.9

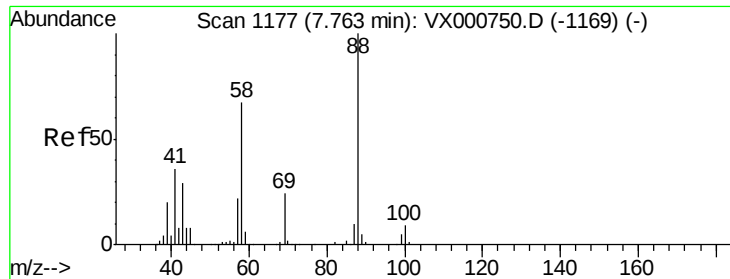


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





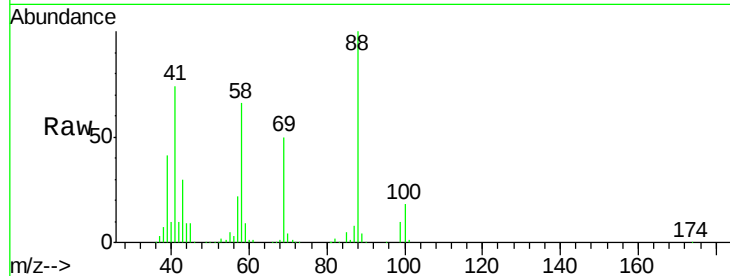
#49
1,4-Dioxane
Concen: 792.57 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

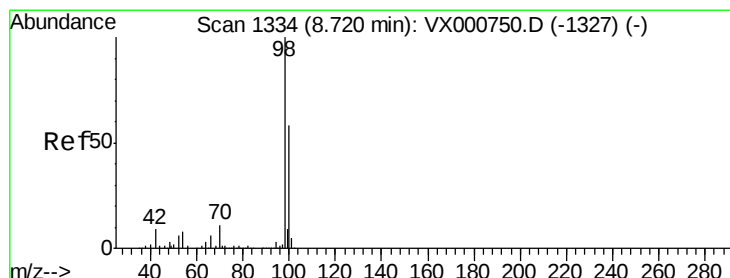
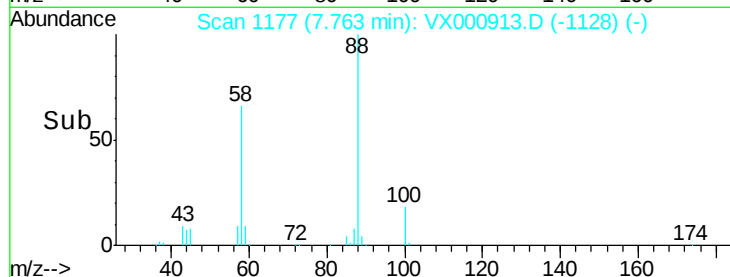
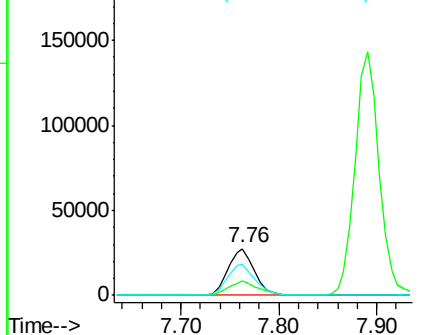
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	25.8	38.8
58	70.2	54.4	81.6

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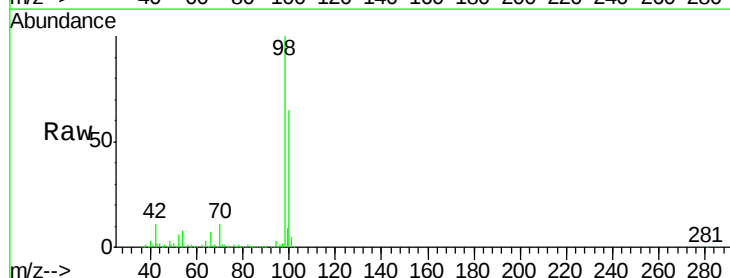


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

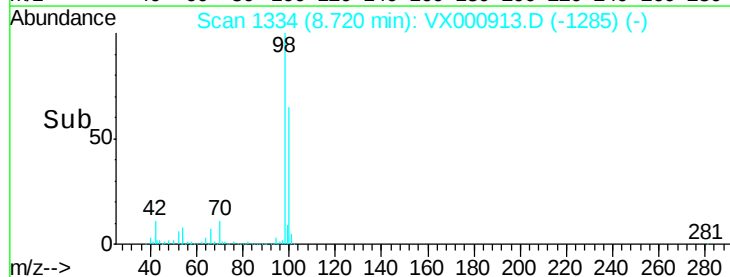
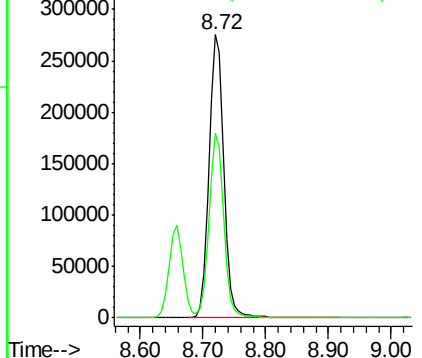


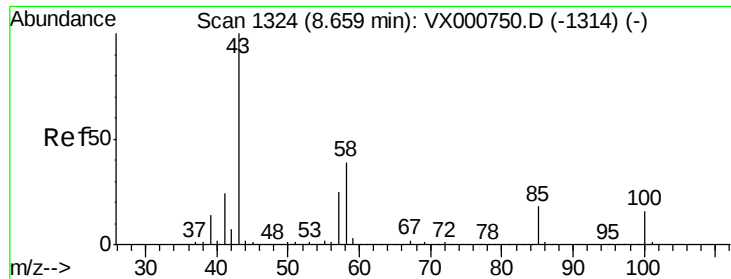
#50
Toluene-d8
Concen: 46.57 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0



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: 248.95 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 904739

Ion Ratio Lower Upper

43 100

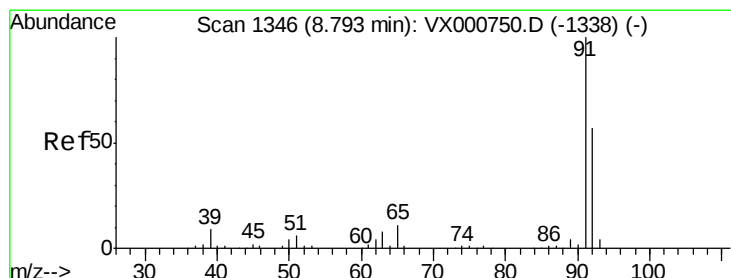
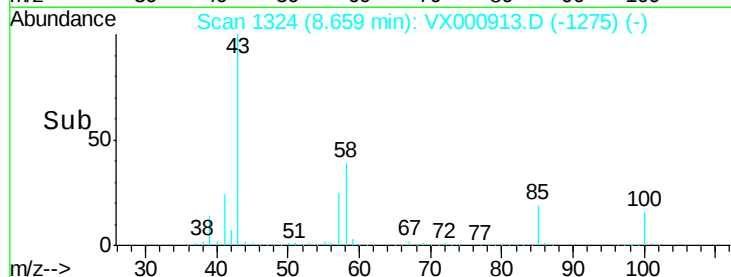
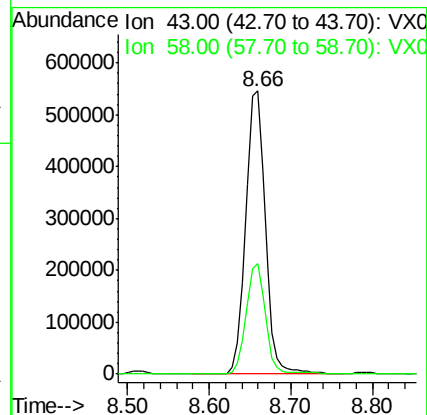
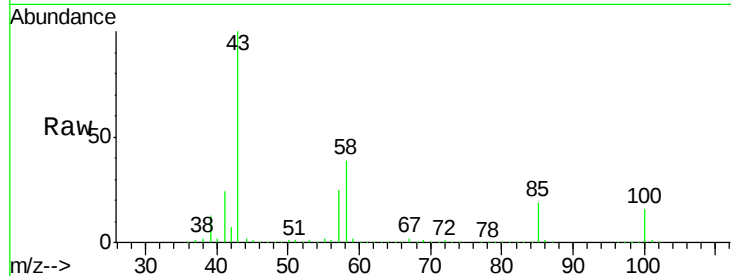
58 38.8 30.3 45.5

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#52

Toluene

Concen: 52.74 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX000913.D

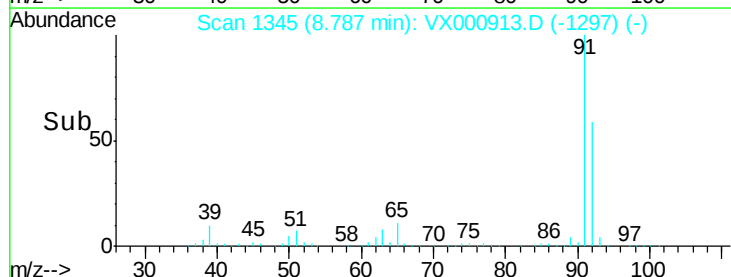
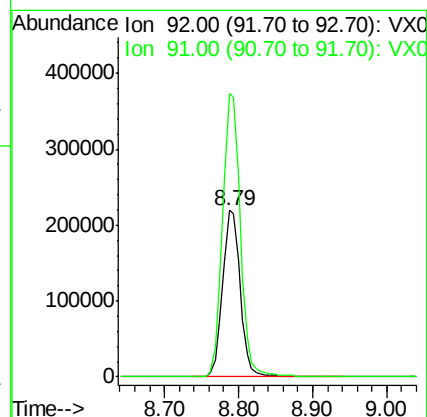
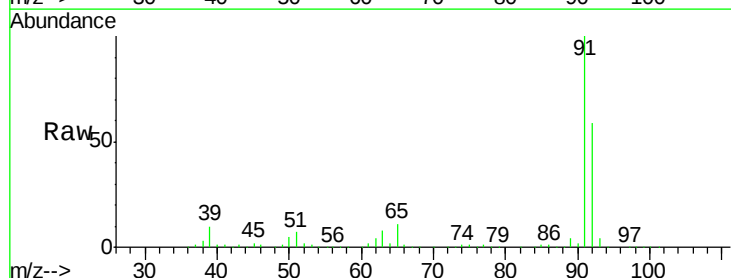
Acq: 16 Apr 2018 12:30

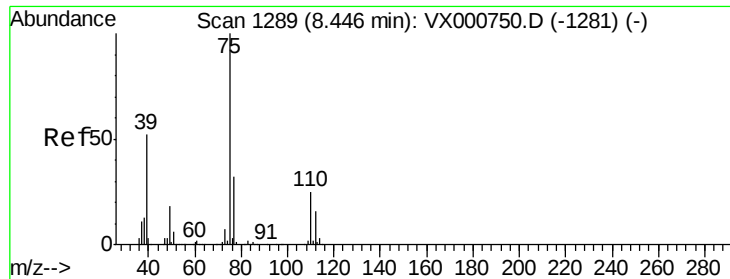
Tgt Ion: 92 Resp: 359367

Ion Ratio Lower Upper

92 100

91 171.5 139.0 208.4





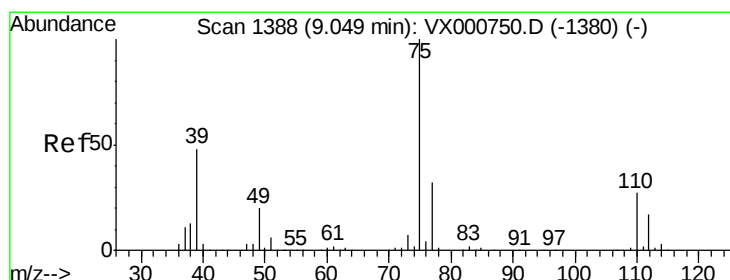
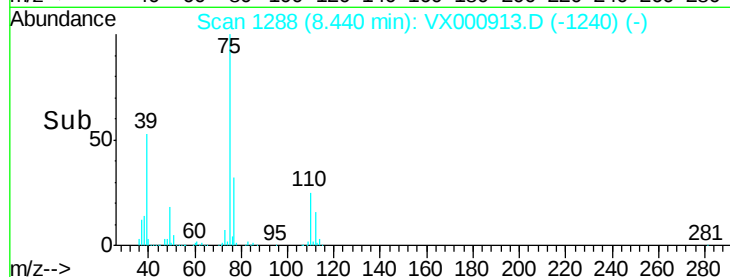
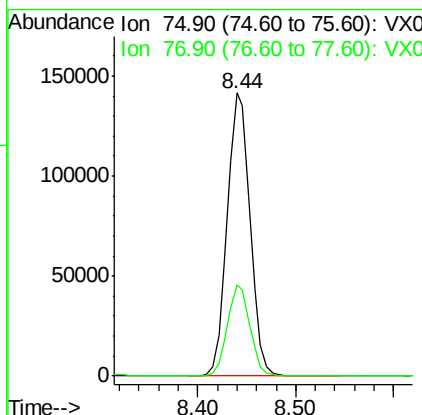
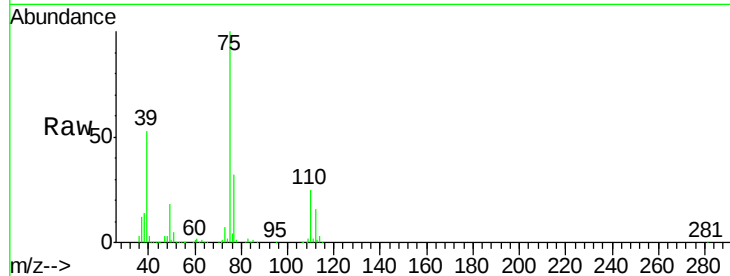
#53
 t-1,3-Dichloropropene
 Concen: 51.86 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 228922
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2

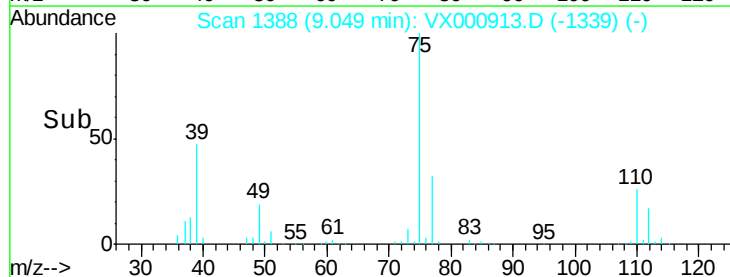
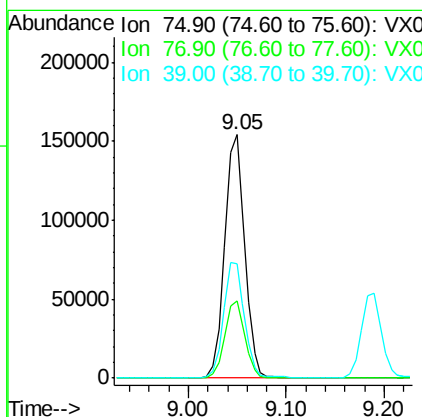
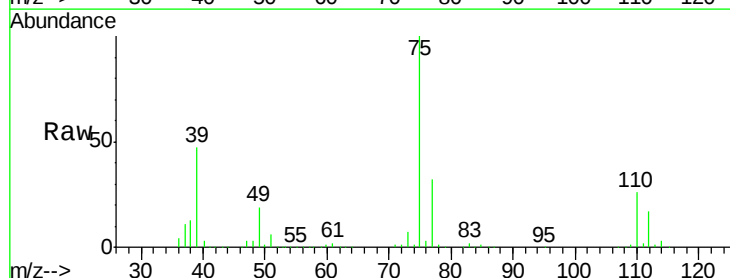
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#54
 cis-1,3-Dichloropropene
 Concen: 50.87 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion: 75 Resp: 218679
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2
 39 47.1 38.6 58.0





#55

1,1,2-Trichloroethane

Concen: 52.90 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

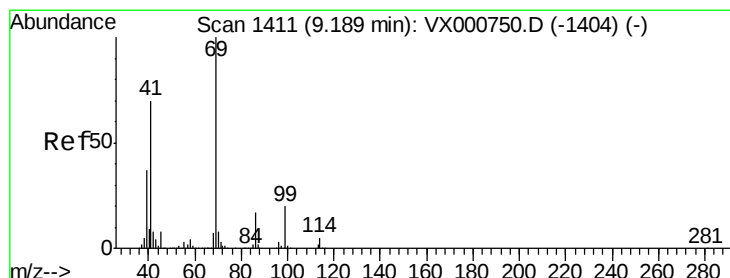
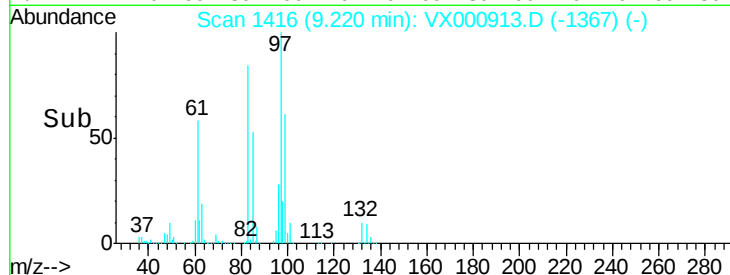
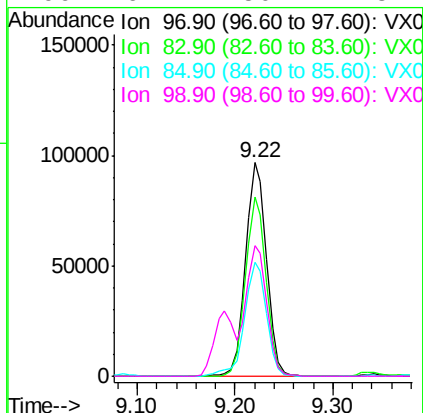
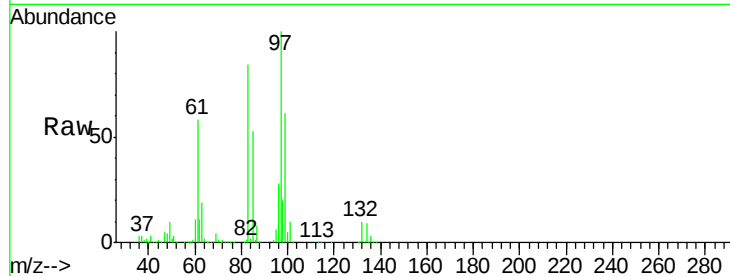
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	143101
Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.6	101.4
85	53.3	43.8	65.6
99	61.4	50.2	75.4

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#56

Ethyl methacrylate

Concen: 51.40 ug/l

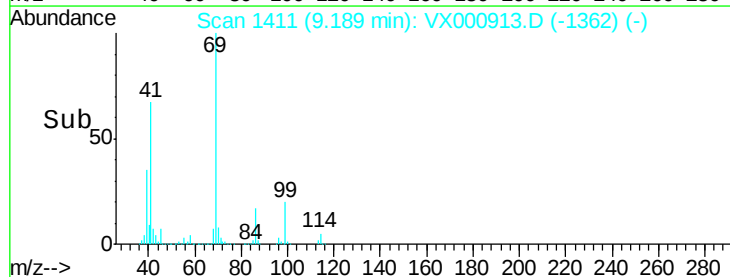
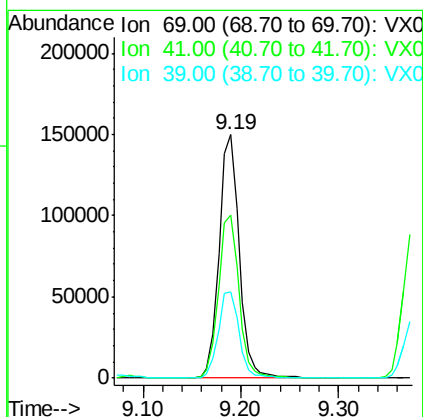
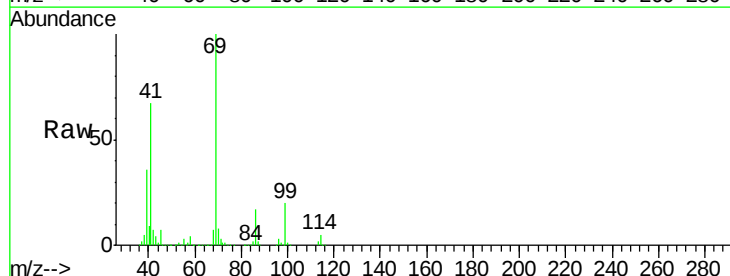
RT: 9.19 min Scan# 1411

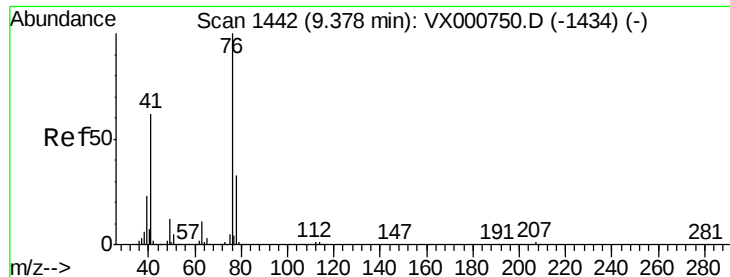
Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Tgt Ion:	69	Resp:	214488
Ion	Ratio	Lower	Upper
69	100		
41	68.2	55.6	83.4
39	36.5	30.3	45.5





#57

1,3-Dichloropropane

Concen: 53.82 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 231446

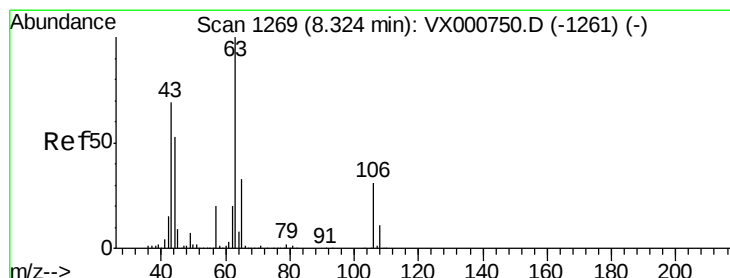
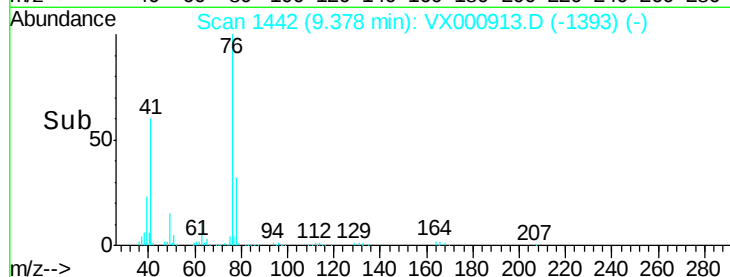
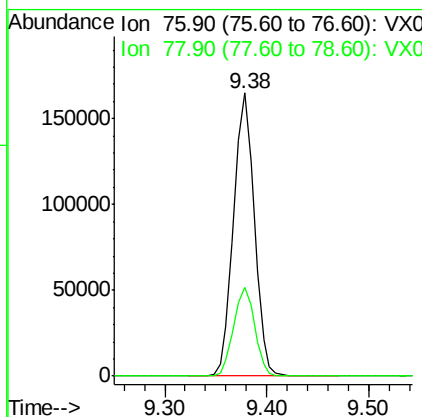
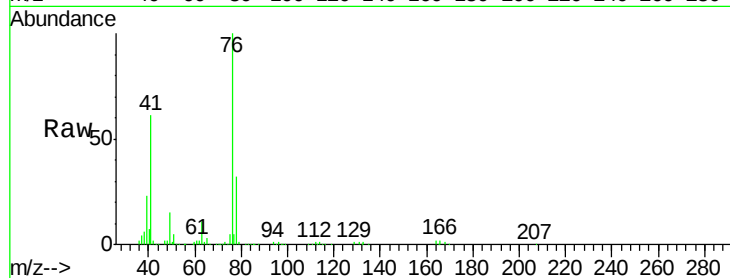
Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 261.91 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX000913.D

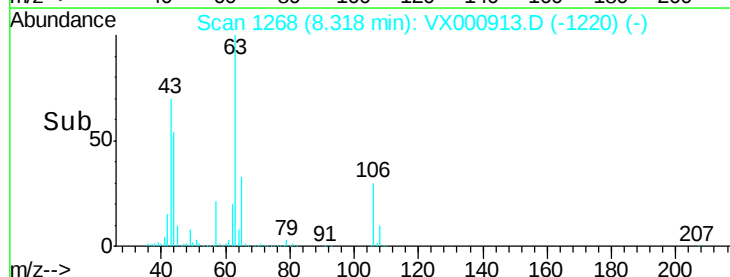
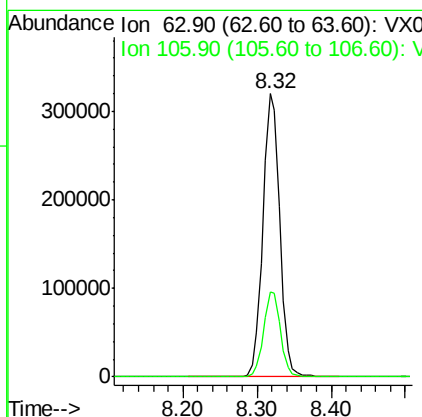
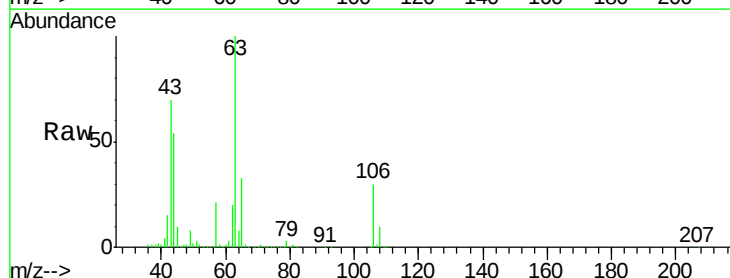
Acq: 16 Apr 2018 12:30

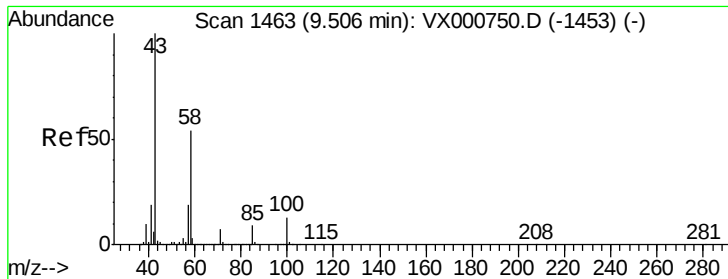
Tgt Ion: 63 Resp: 510646

Ion Ratio Lower Upper

63 100

106 30.1 24.3 36.5





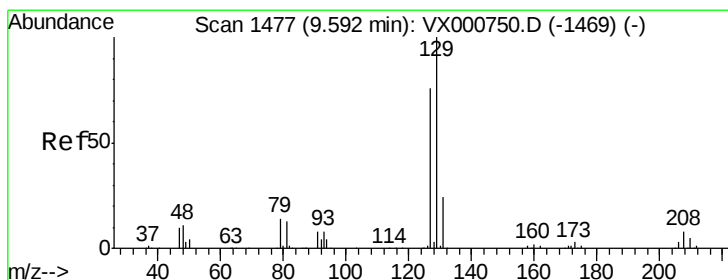
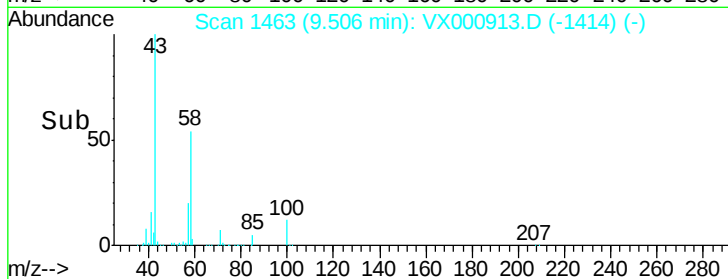
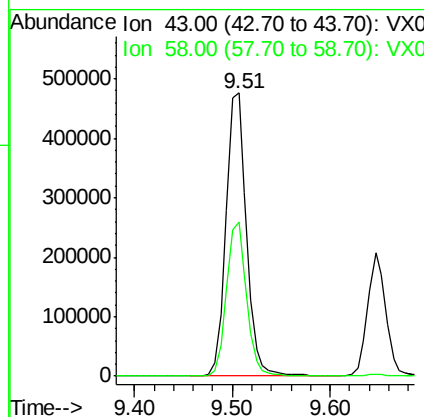
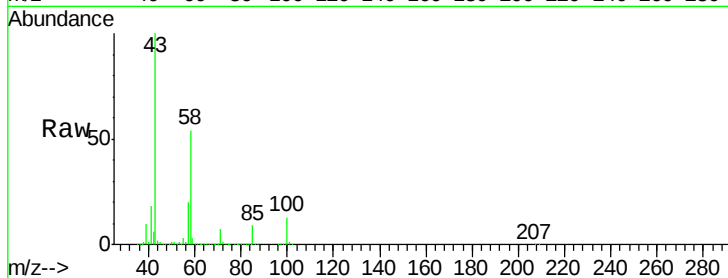
#59
2-Hexanone
Concen: 246.14 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.5	79.5

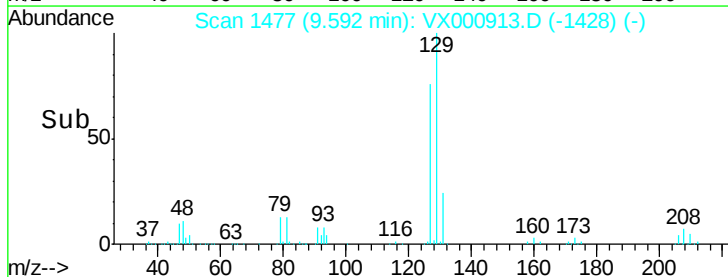
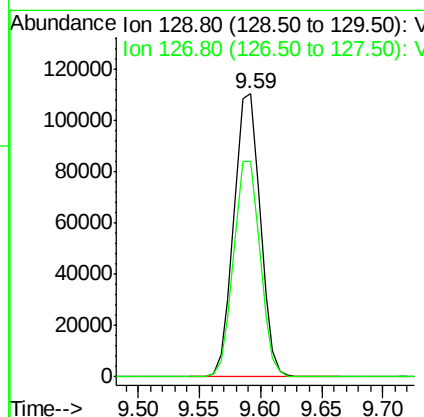
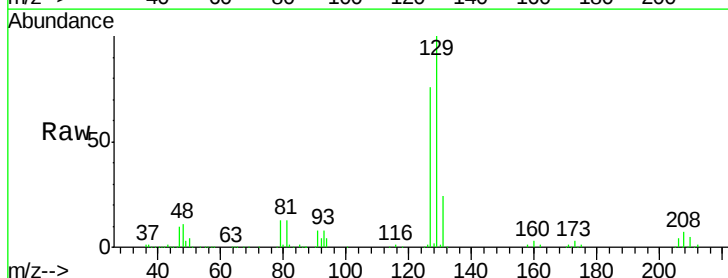
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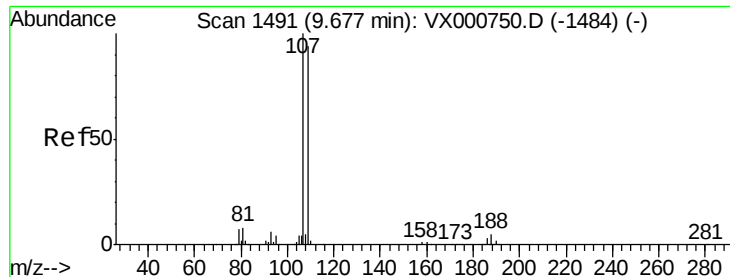
MMDadoda
4/18/2018 2:45:06 PM



#60
Dibromochloromethane
Concen: 50.79 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.4	115.1





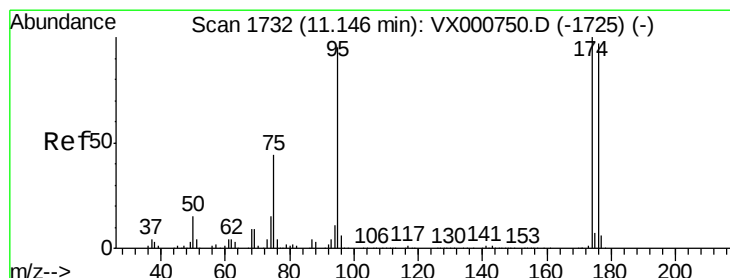
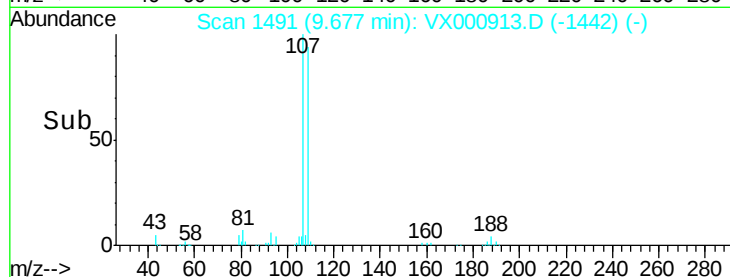
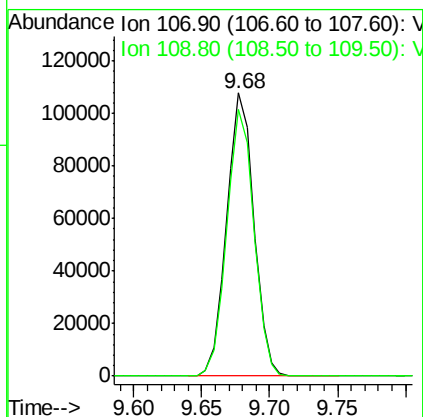
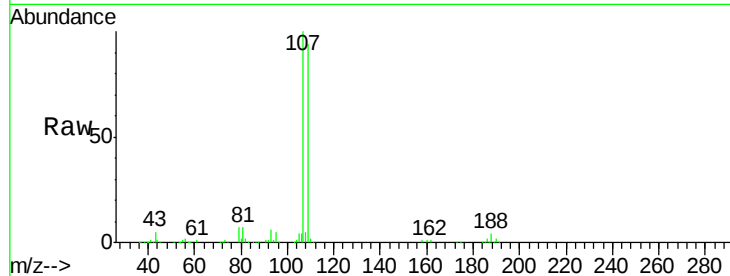
#61
 1,2-Dibromoethane
 Concen: 52.29 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	150056		
109	94.2	76.2	114.4	

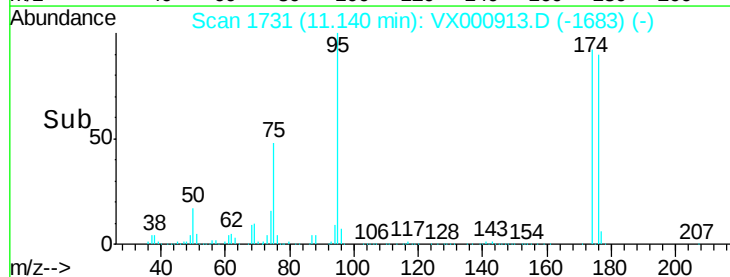
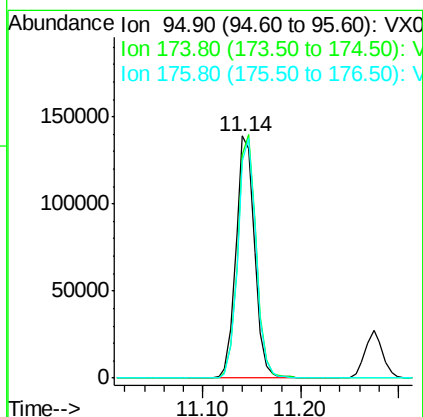
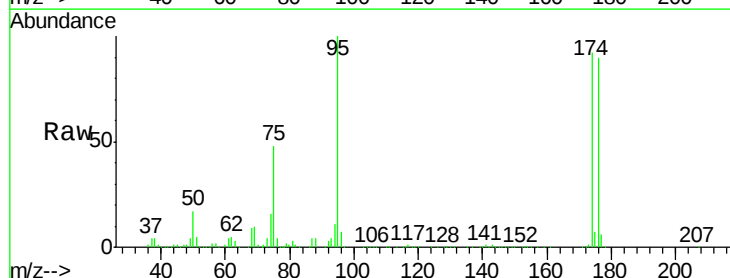
Manual Integrations
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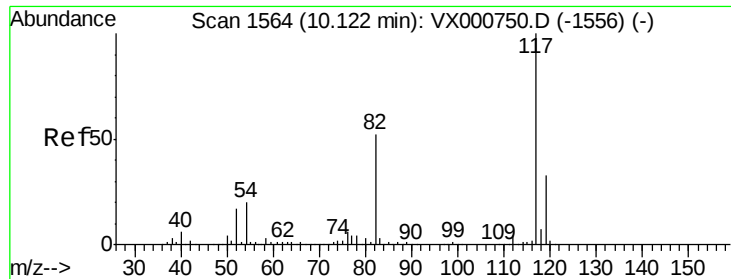
MMDadoda
 4/18/2018 2:45:06 PM



#62
 4-Bromofluorobenzene
 Concen: 45.93 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	182965		
174	99.3	0.0	198.4	
176	97.1	0.0	194.4	





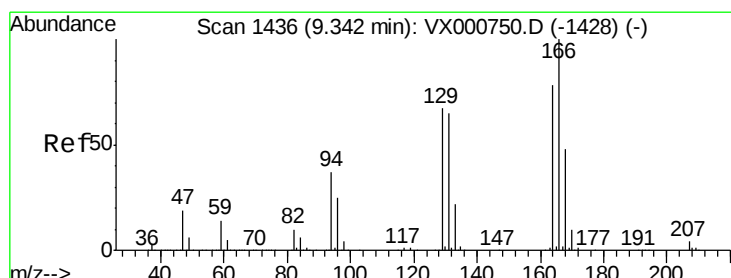
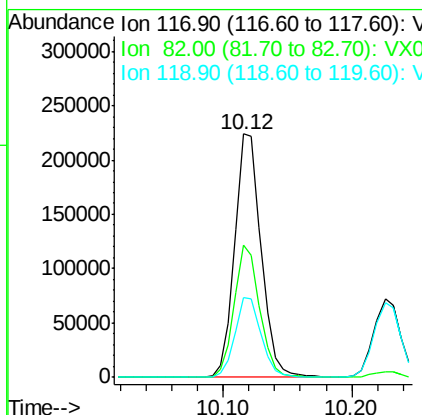
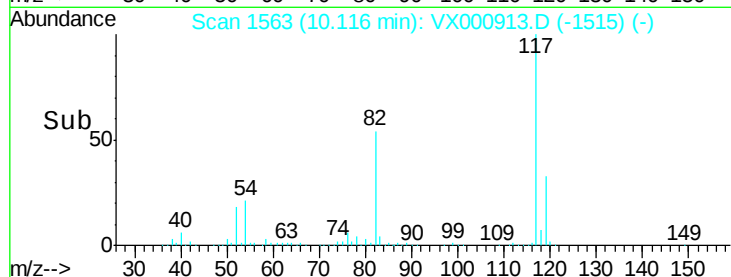
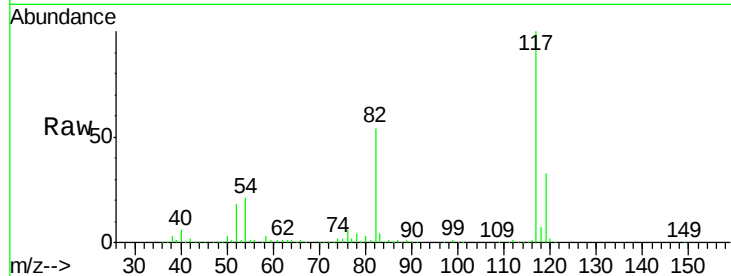
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	41.9	62.9
119	32.5	26.0	39.0

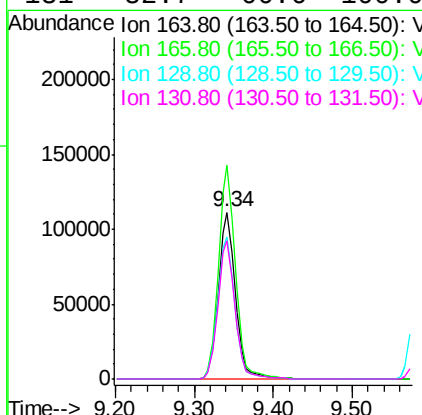
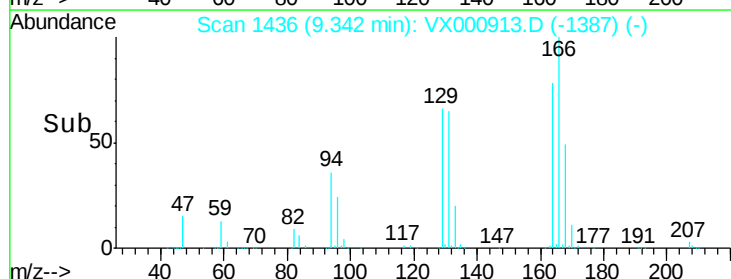
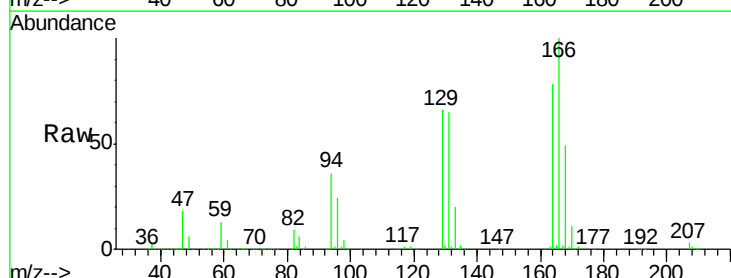
Manual Integrations
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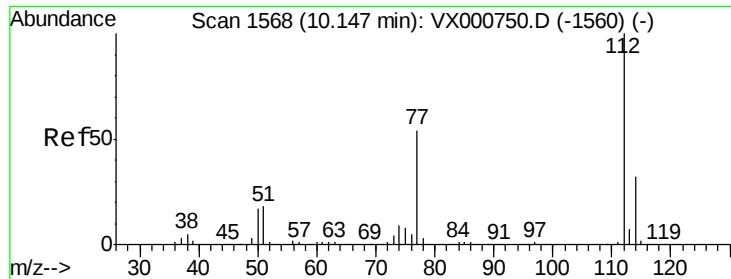
MMDadoda
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#64
Tetrachloroethene
Concen: 53.71 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.8	154.2
129	85.0	68.5	102.7
131	82.7	66.6	100.0





#65

Chlorobenzene

Concen: 52.53 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 424529

Ion Ratio Lower Upper

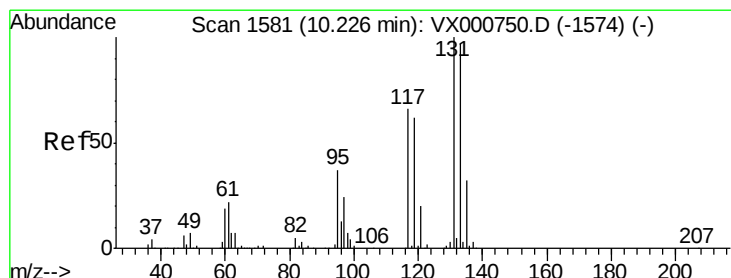
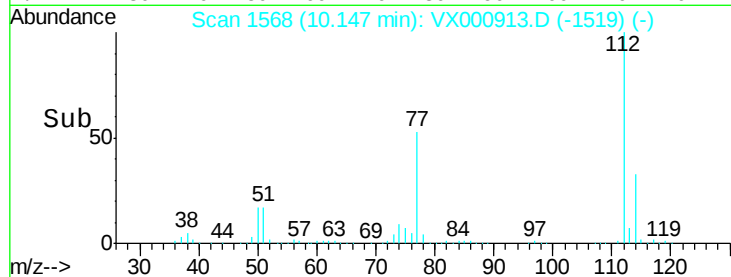
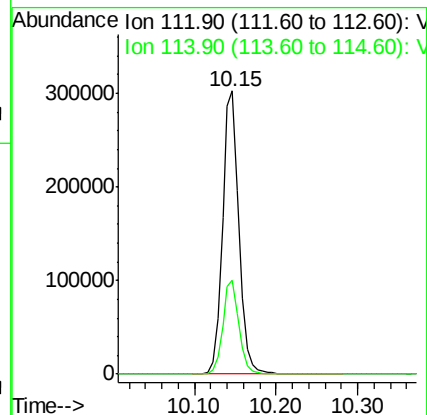
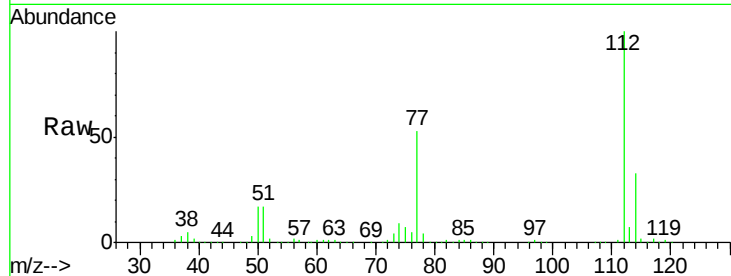
112 100

114 33.2 25.8 38.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.61 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

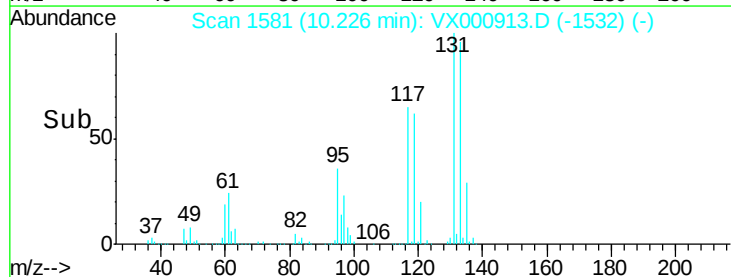
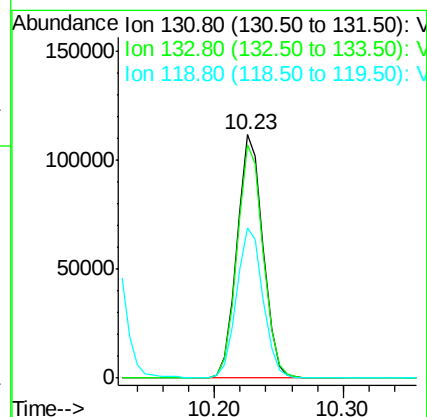
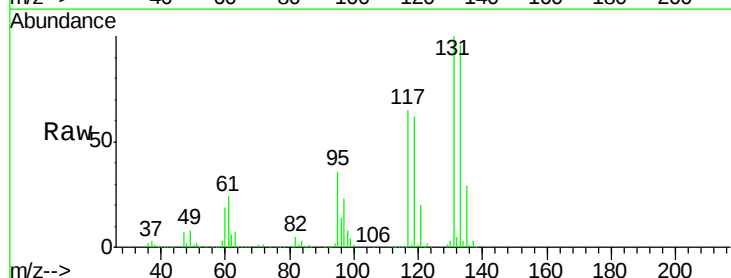
Tgt Ion:131 Resp: 156989

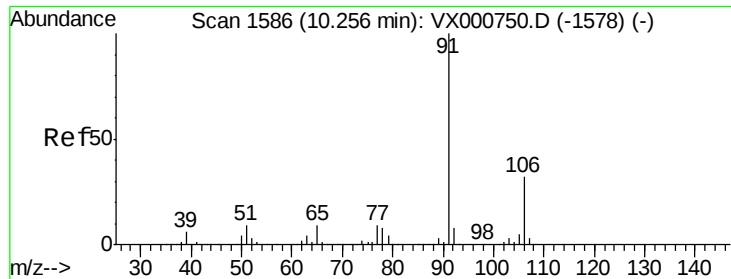
Ion Ratio Lower Upper

131 100

133 96.2 48.3 144.9

119 62.7 31.4 94.0





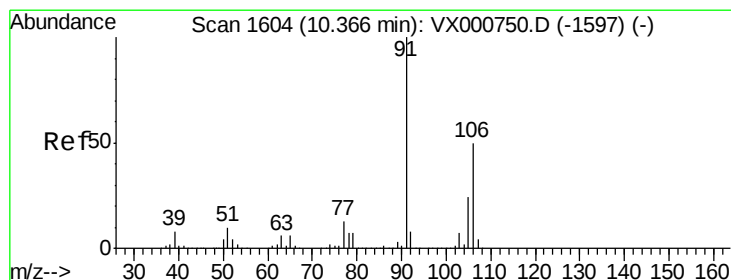
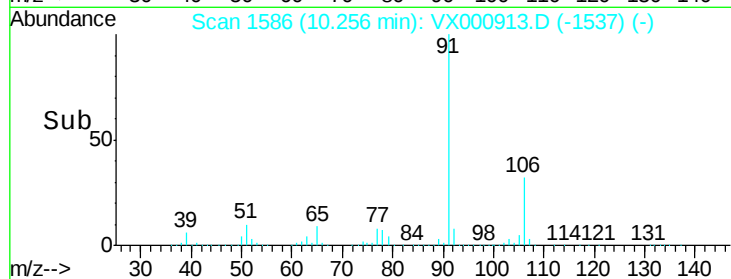
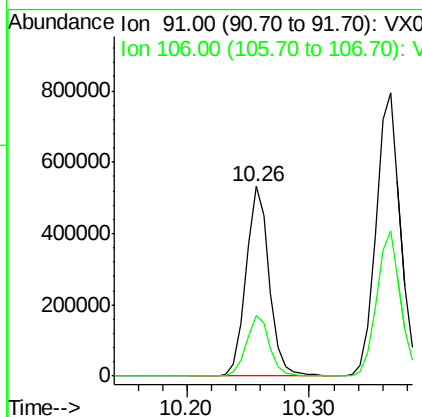
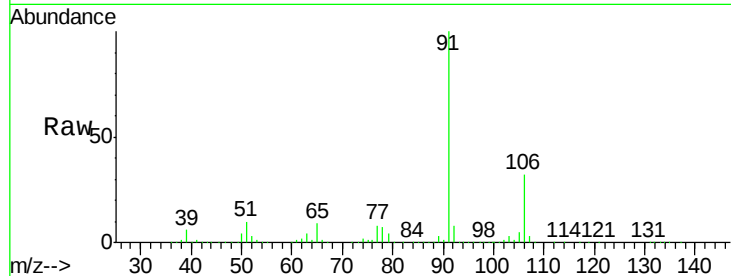
#67
Ethyl Benzene
Concen: 52.25 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 704030
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0

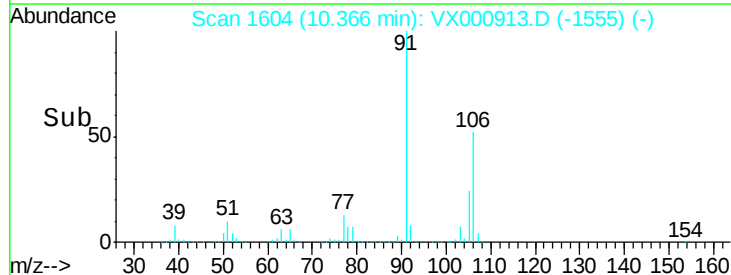
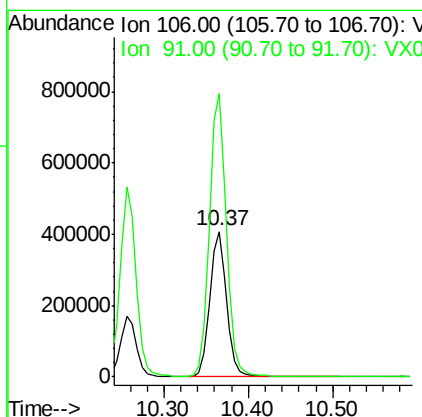
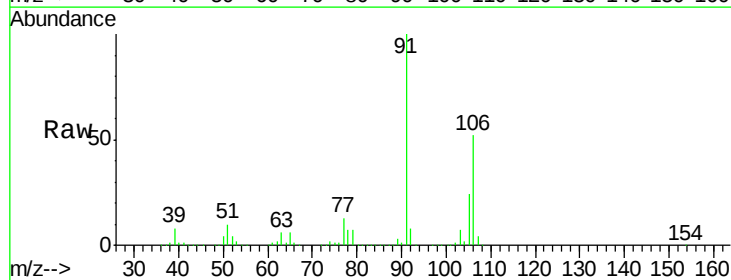
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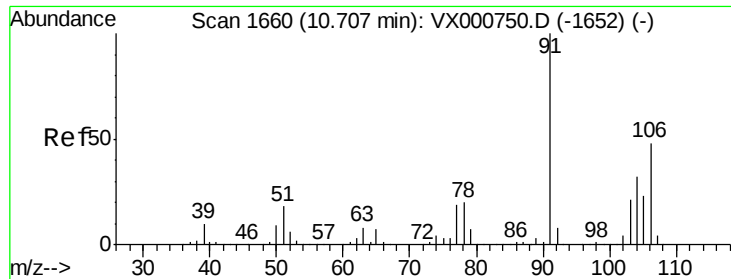
MMDadoda
4/18/2018 2:45:06 PM



#68
m/p-Xylenes
Concen: 105.46 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion: 106 Resp: 560893
Ion Ratio Lower Upper
106 100
91 197.9 159.3 238.9





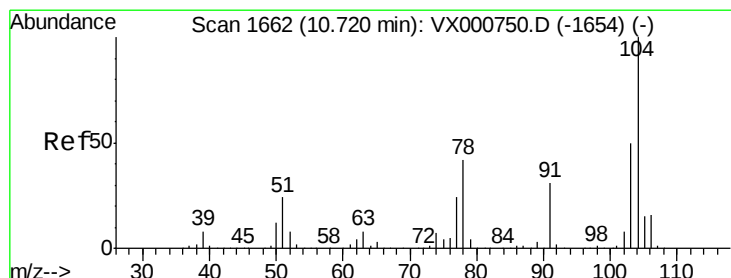
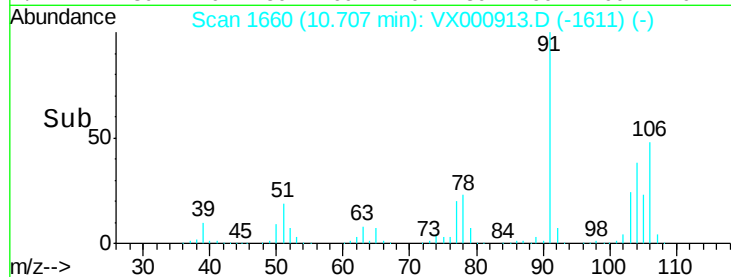
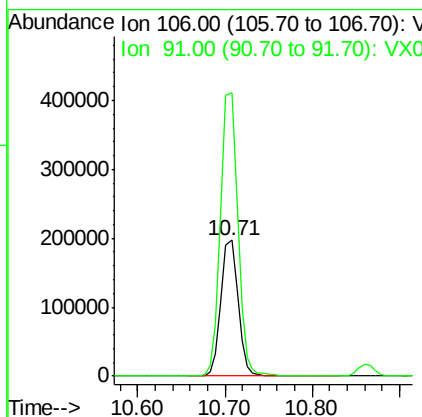
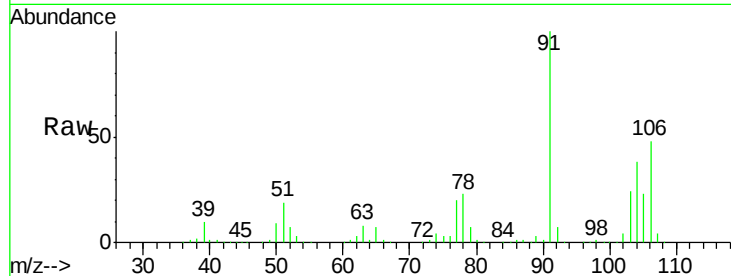
#69
o-Xylene
Concen: 52.68 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 270015
Ion Ratio Lower Upper
106 100
91 210.3 105.0 315.0

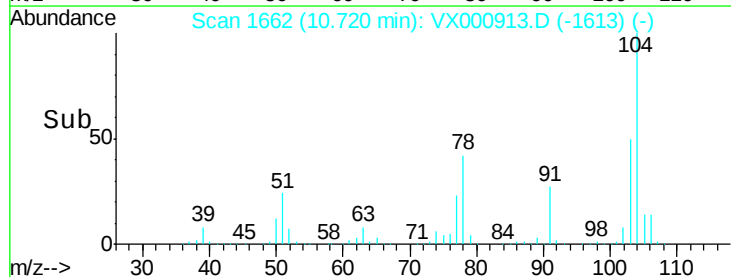
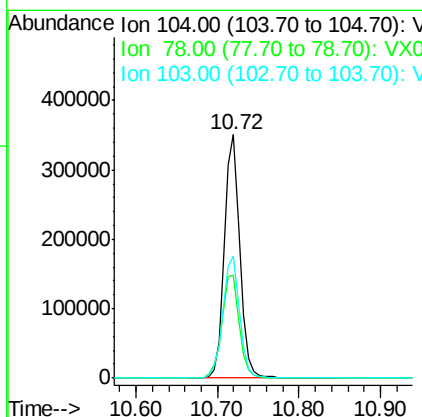
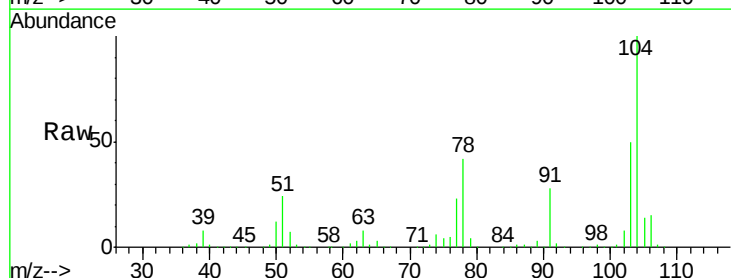
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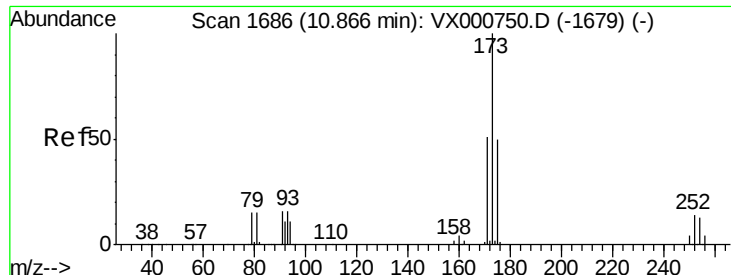
MMDadoda
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#70
Styrene
Concen: 52.97 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion:104 Resp: 457728
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.6
103 55.1 44.1 66.1





#71

Bromoform

Concen: 47.35 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

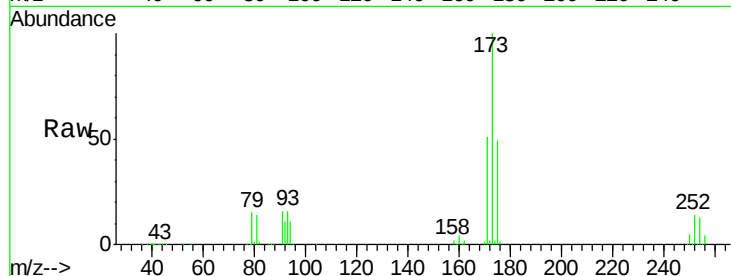
ClientSampleId :

VSTDCCC050

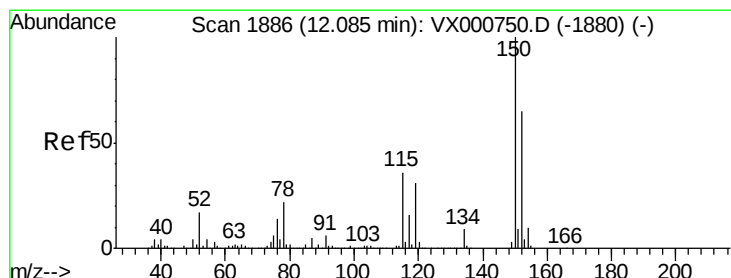
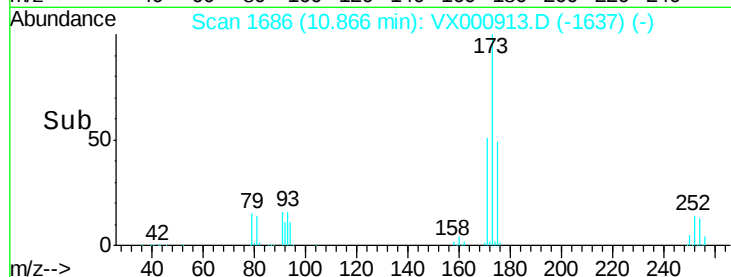
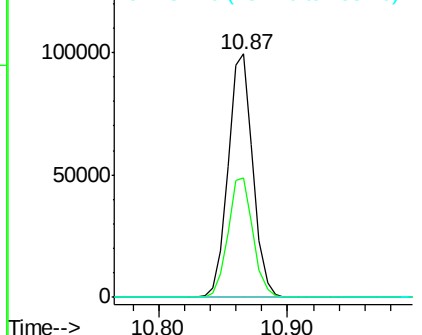
Tot Ion:	173	Resp:	133351
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.5	73.5
254	0.2	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

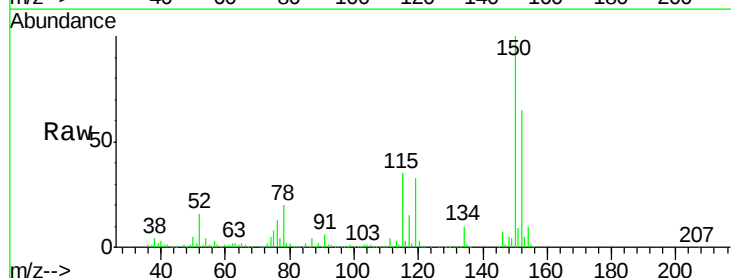
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

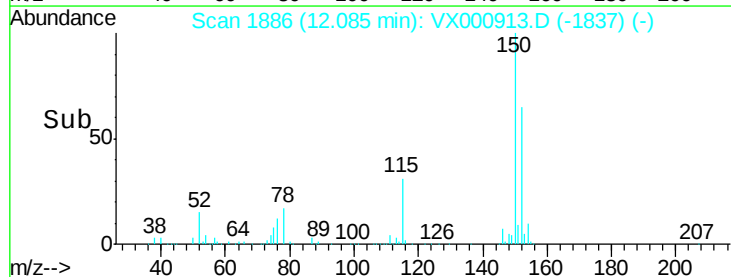
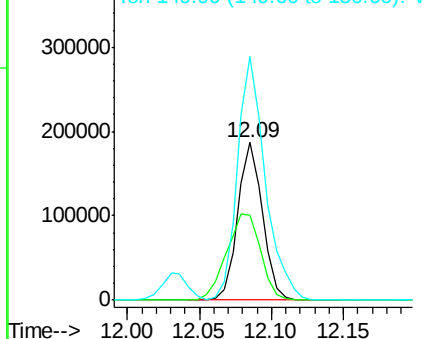
Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Tgt Ion:	152	Resp:	222967
Ion Ratio	Lower	Upper	
152	100		
115	75.7	37.9	113.7
150	174.4	0.0	348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.11 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 737158

Ion Ratio Lower Upper

105 100

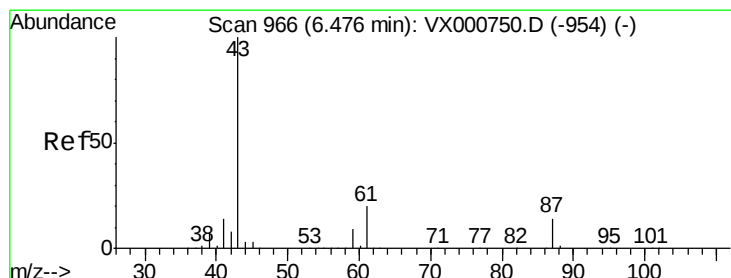
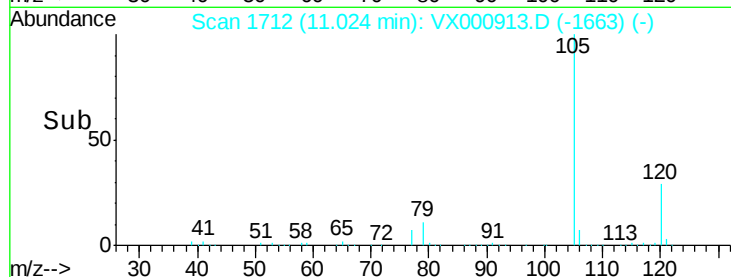
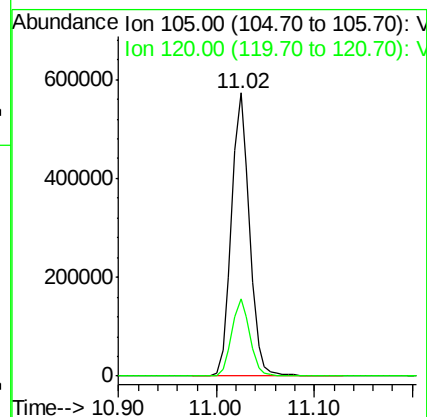
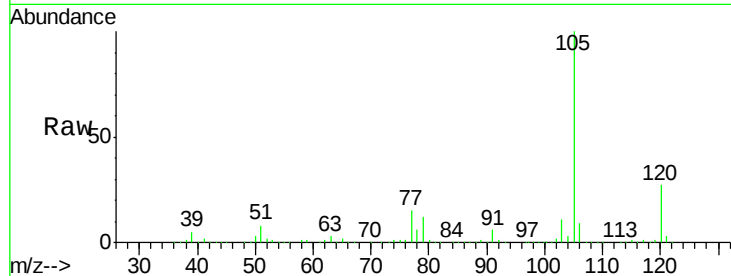
120 27.4 13.7 41.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.63 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Tgt Ion: 43 Resp: 303392

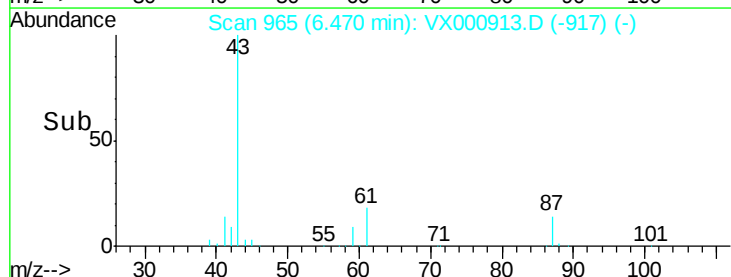
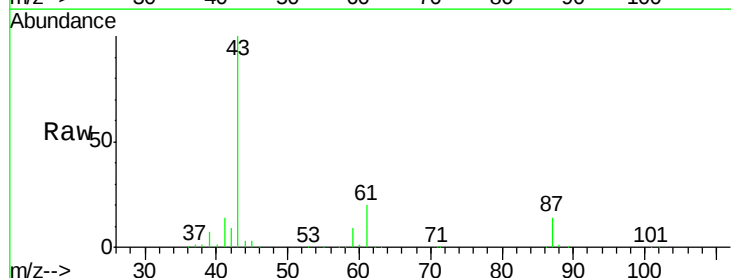
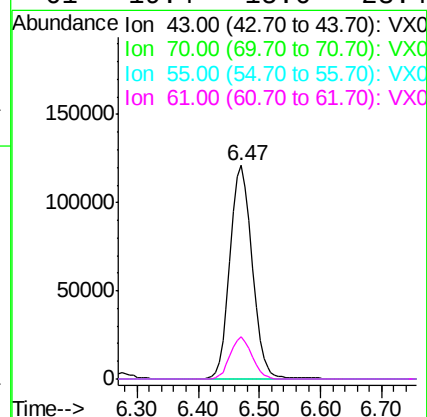
Ion Ratio Lower Upper

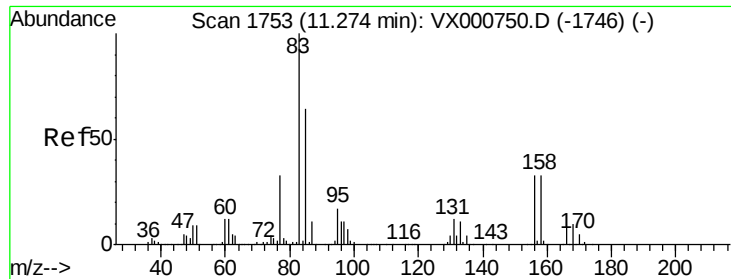
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.4 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.75 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 204217

Ion Ratio Lower Upper

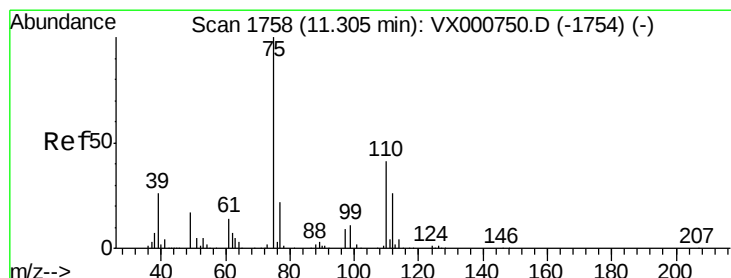
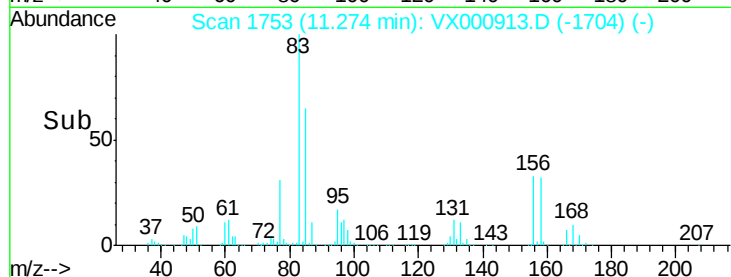
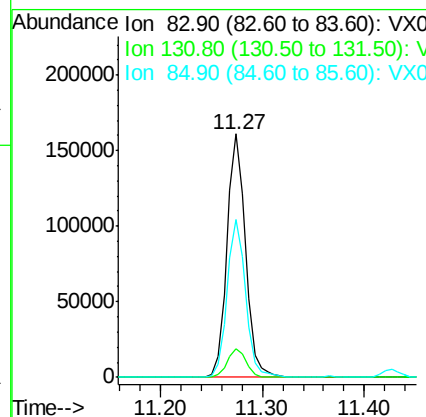
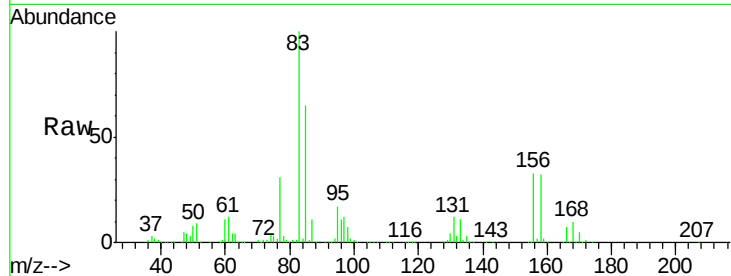
83 100

131 12.0 6.0 18.0

85 65.1 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 57.22 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000913.D

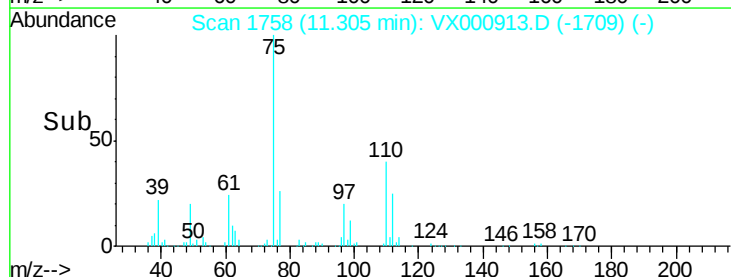
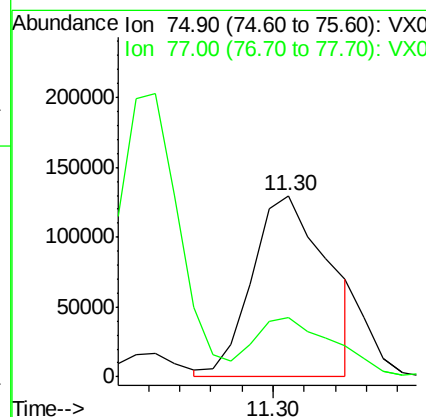
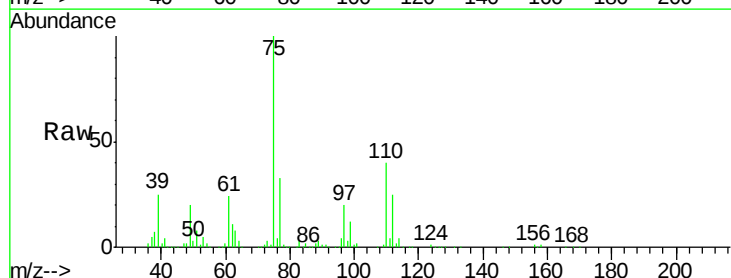
Acq: 16 Apr 2018 12:30

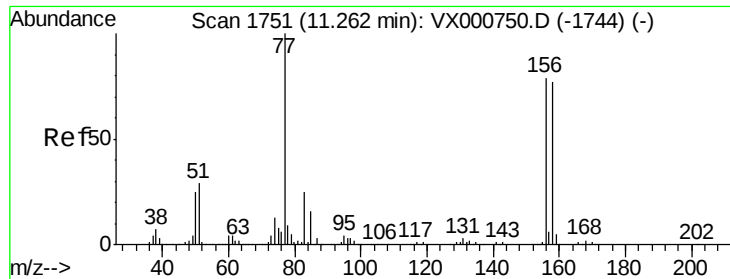
Tgt Ion: 75 Resp: 220026

Ion Ratio Lower Upper

75 100

77 34.4 20.5 61.5





#77

Bromobenzene

Concen: 51.15 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 212018

Ion Ratio Lower Upper

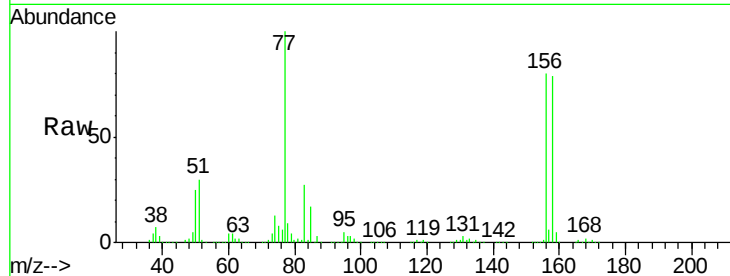
156 100

77 131.9 66.0 198.2

158 97.5 48.8 146.4

Manual Integrations
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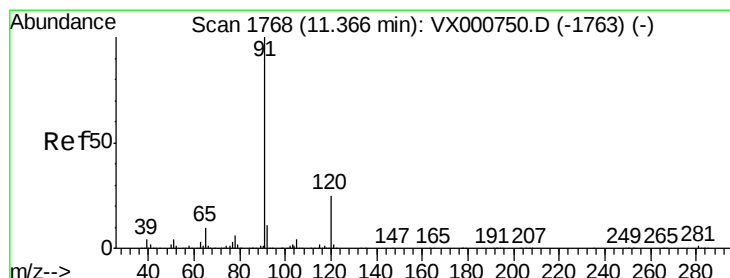
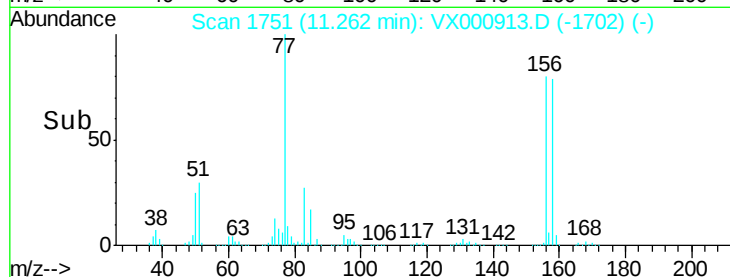
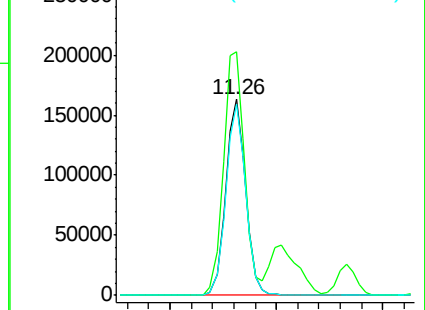
MMDadoda
4/18/2018 2:45:06 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.10 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000913.D

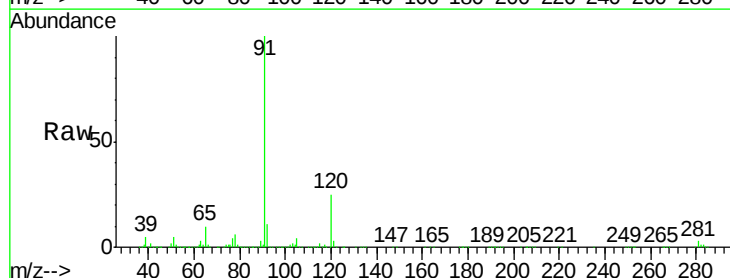
Acq: 16 Apr 2018 12:30

Tgt Ion: 91 Resp: 842911

Ion Ratio Lower Upper

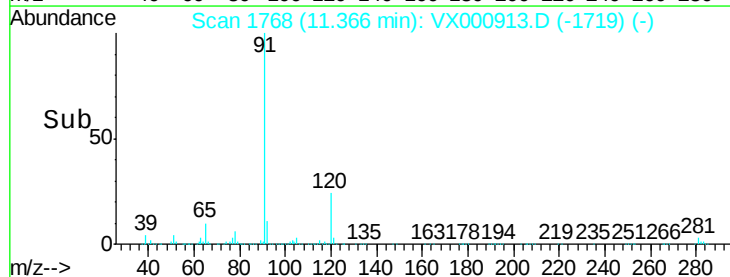
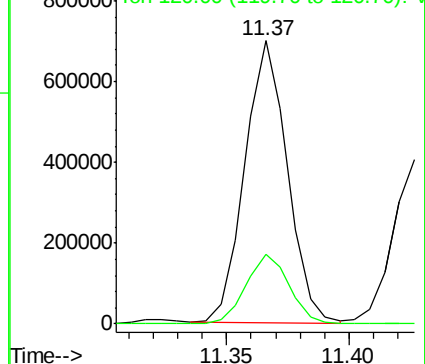
91 100

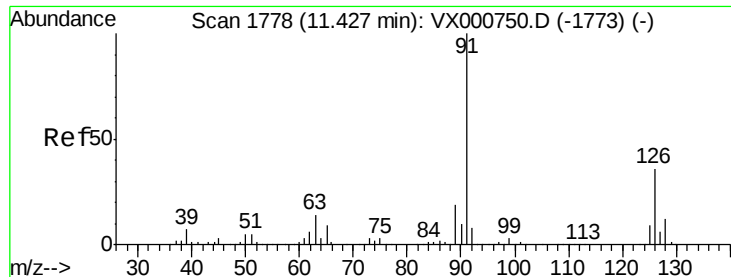
120 25.2 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.96 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 496841

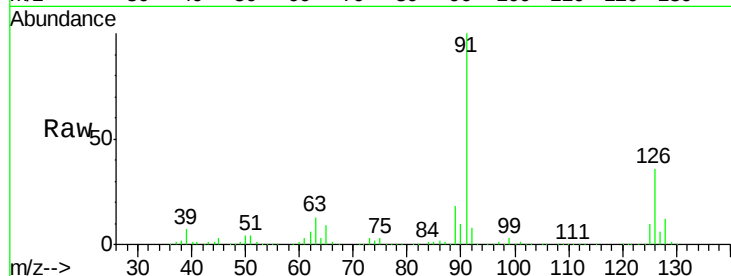
Ion Ratio Lower Upper

91 100

126 36.5 18.3 54.9

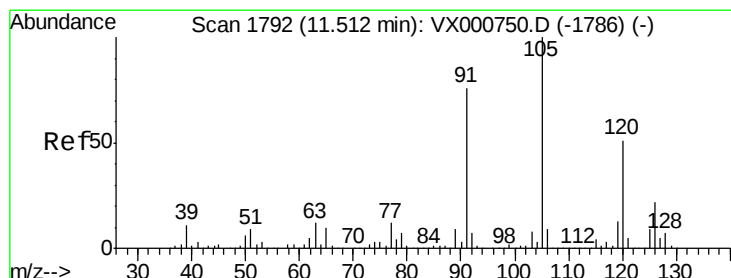
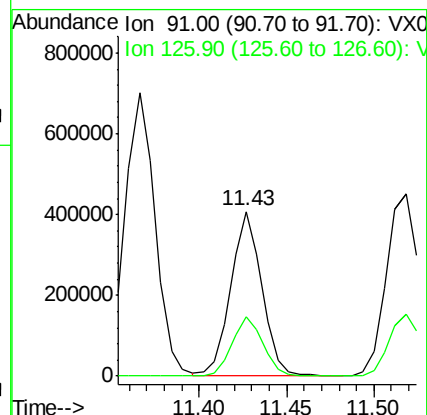
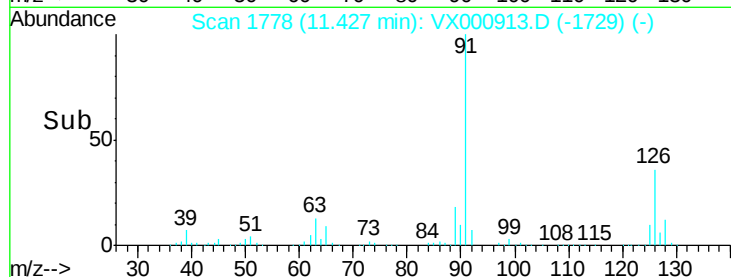
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX000913.D (-1729) (-)

Ion 125.90 (125.60 to 126.60): VX000913.D (-1729) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.61 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000913.D

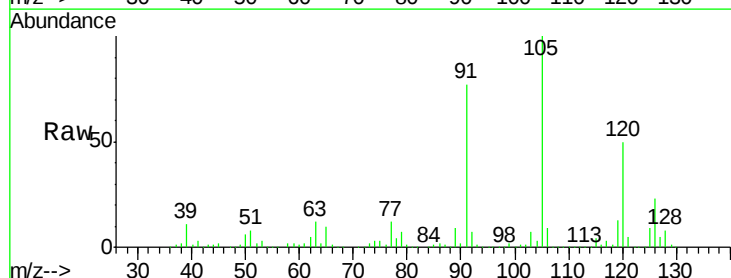
Acq: 16 Apr 2018 12:30

Tgt Ion: 105 Resp: 627867

Ion Ratio Lower Upper

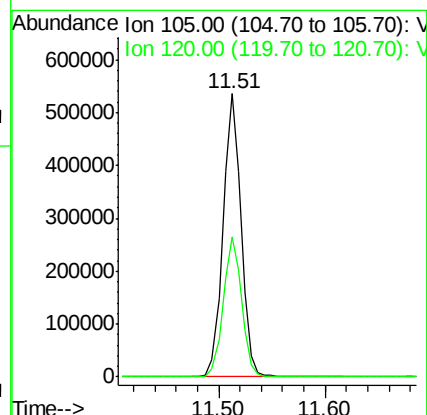
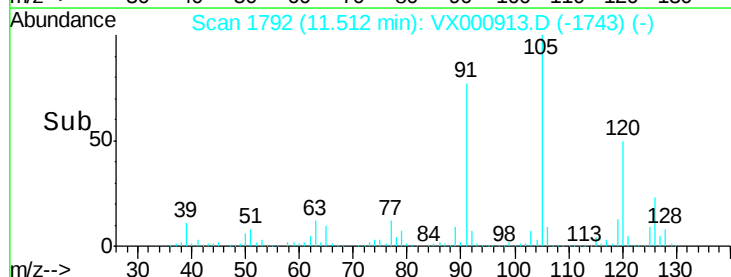
105 100

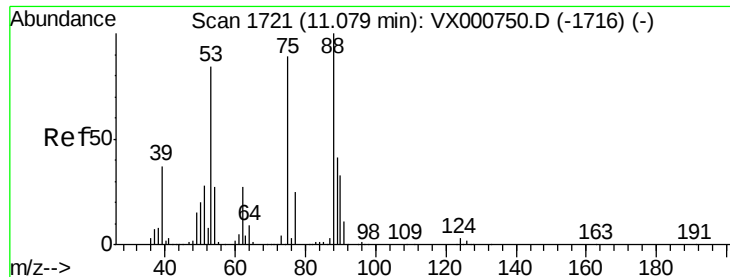
120 50.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VX000913.D (-1743) (-)

Ion 120.00 (119.70 to 120.70): VX000913.D (-1743) (-)





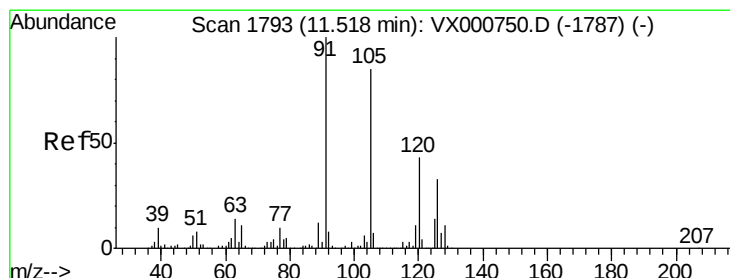
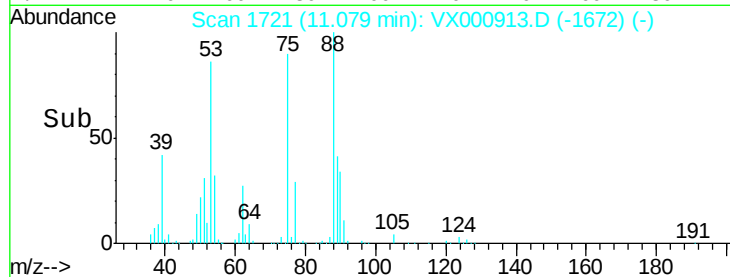
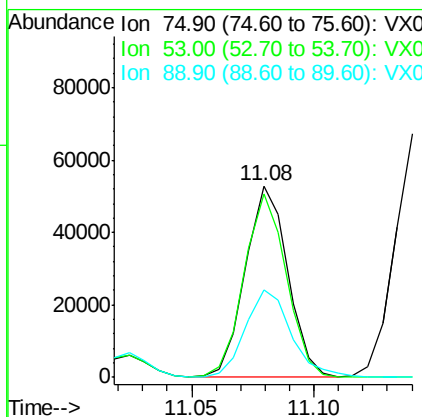
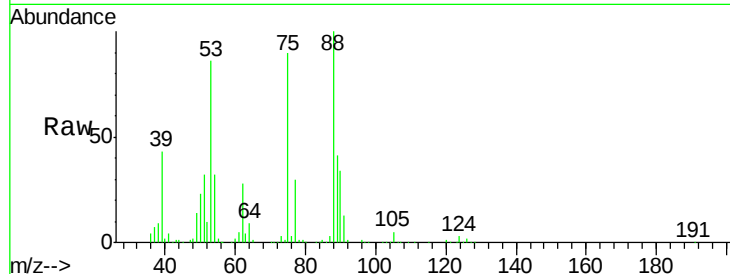
#81
trans-1,4-Dichloro-2-butene
Concen: 45.23 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	75.4	113.0
89	50.0	40.9	61.3

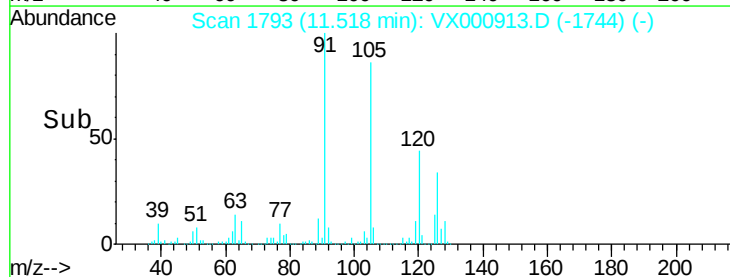
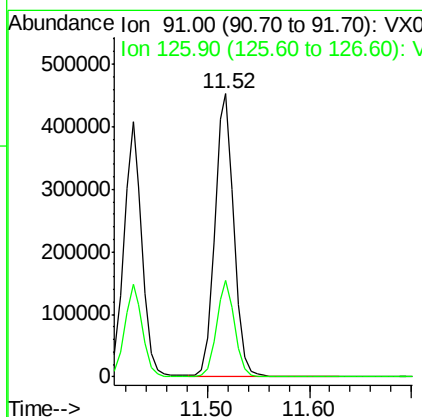
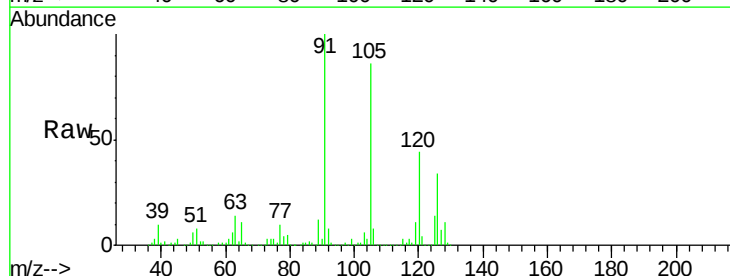
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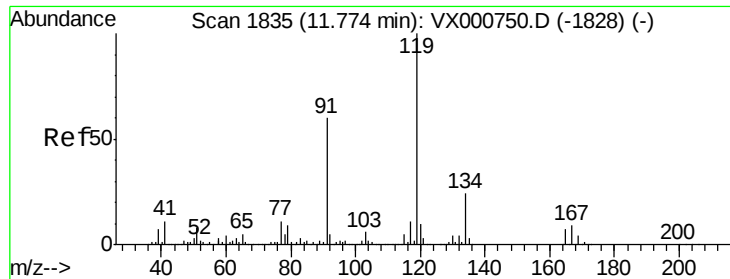
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#82
4-Chlorotoluene
Concen: 51.29 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.2	48.6





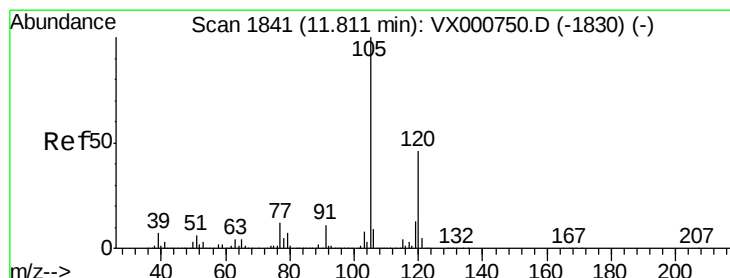
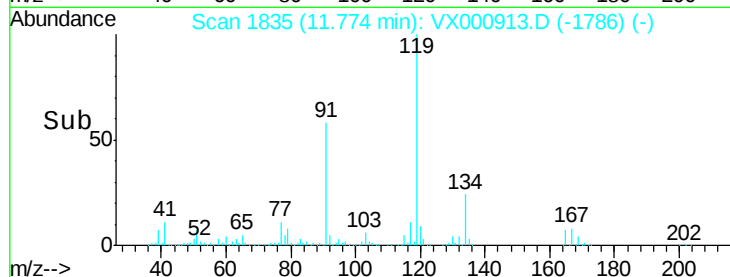
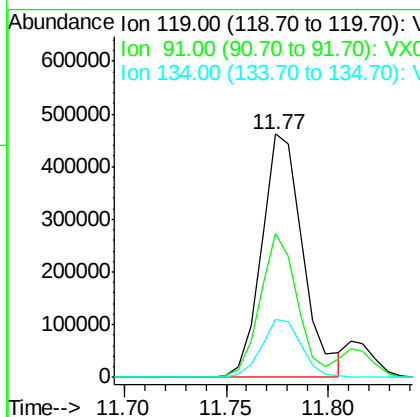
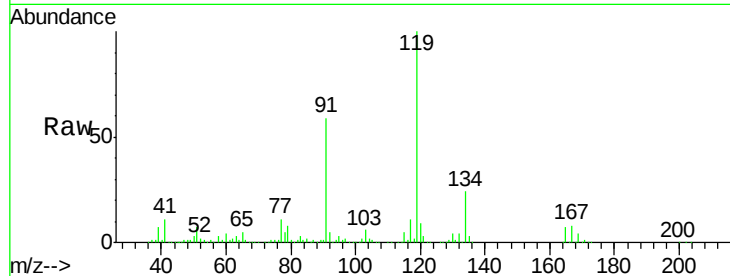
#83
 tert-Butylbenzene
 Concen: 52.09 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	648309		
91	53.2	26.8	80.3	
134	22.9	11.5	34.4	

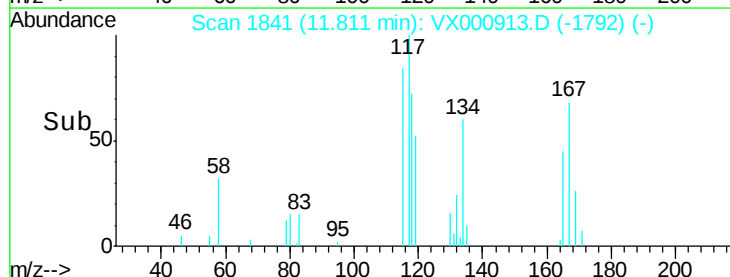
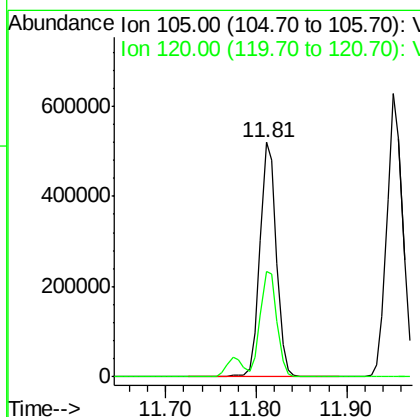
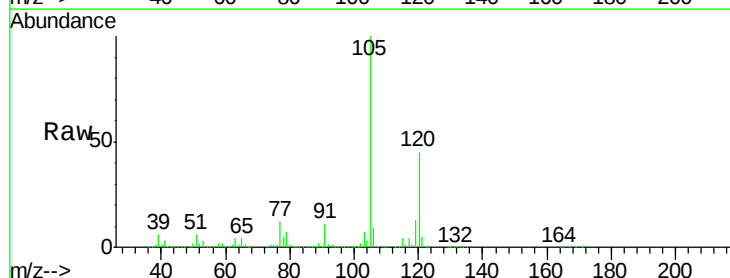
Manual Integrations
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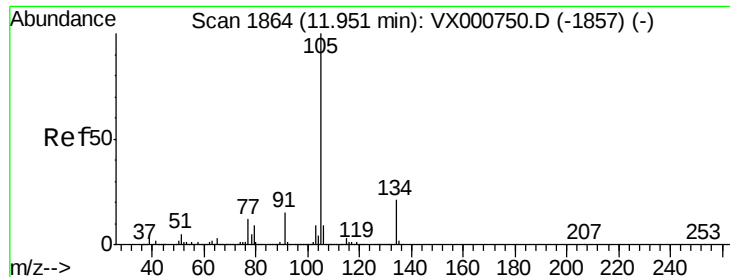
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.58 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	647769		
120	46.0	23.1	69.3	





#85

sec-Butylbenzene

Concen: 51.91 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 762183

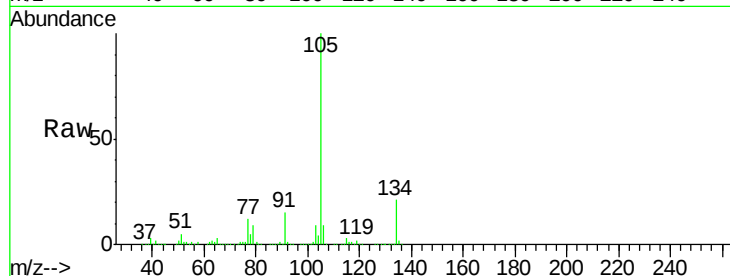
Ion Ratio Lower Upper

105 100

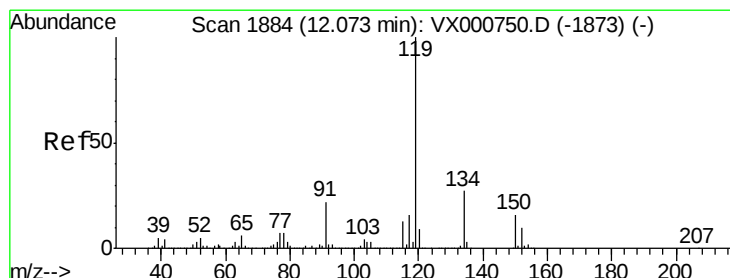
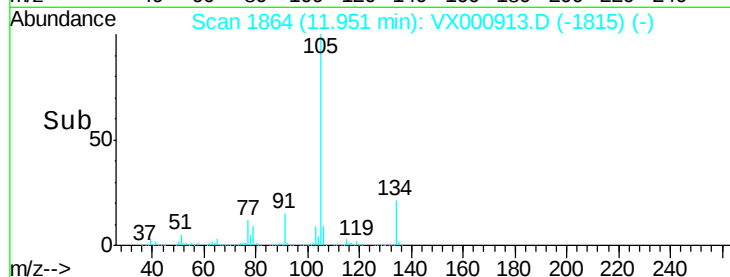
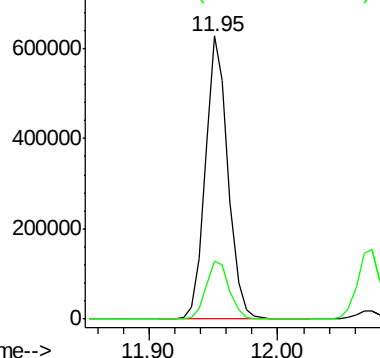
134 21.4 10.8 32.4

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.66 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

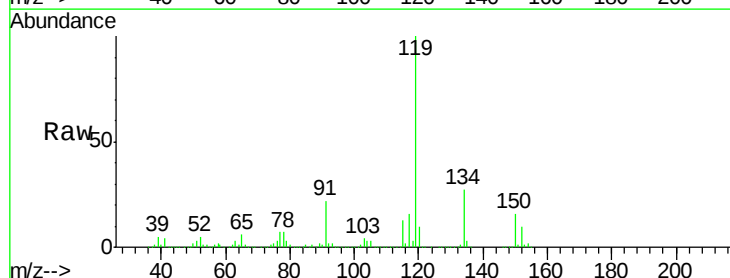
Tgt Ion:119 Resp: 707239

Ion Ratio Lower Upper

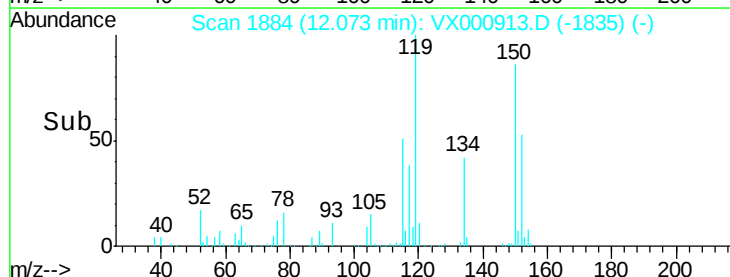
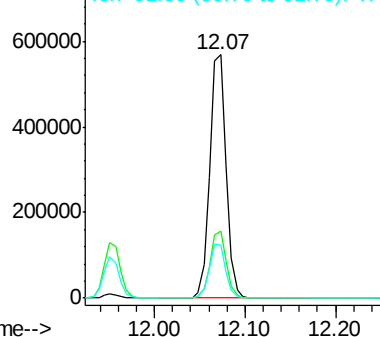
119 100

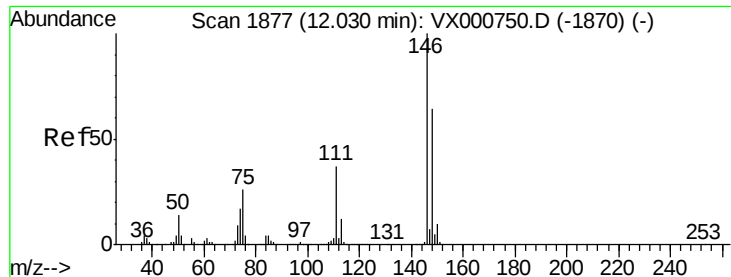
134 27.0 13.6 40.7

91 22.2 11.2 33.5



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





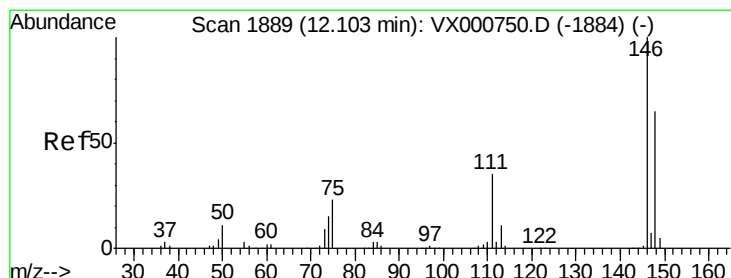
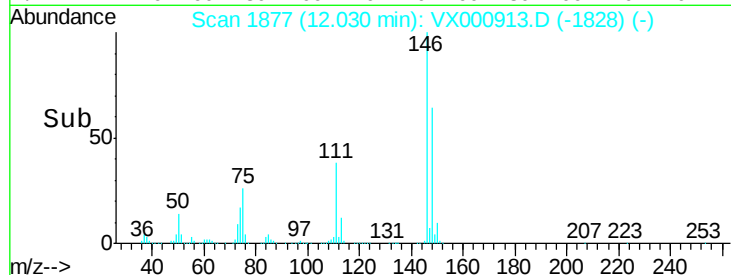
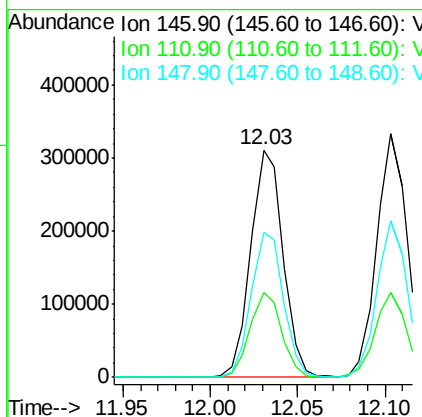
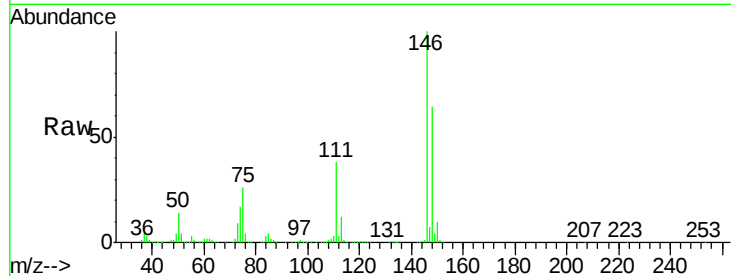
#87
 1,3-Dichlorobenzene
 Concen: 52.04 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	399279		
111	36.9	18.3	54.8	
148	64.1	32.2	96.6	

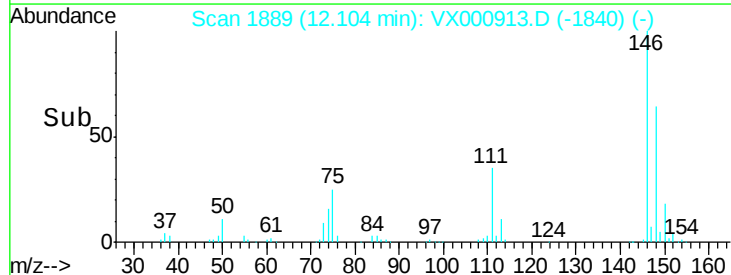
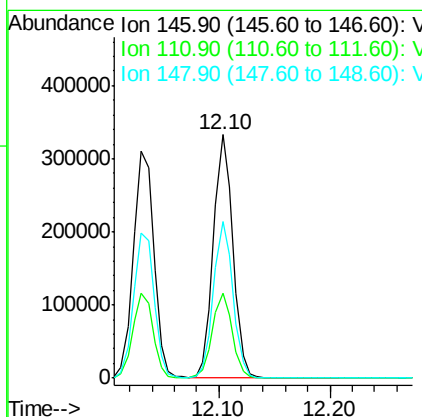
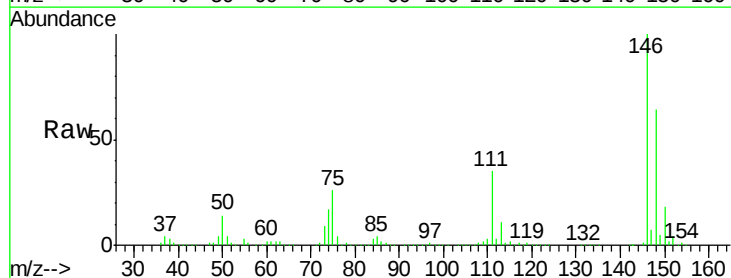
Manual Integrations
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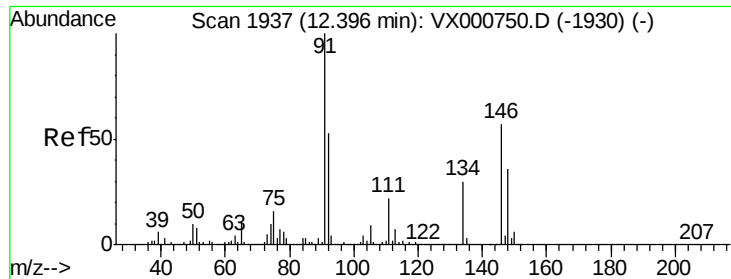
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 4/18/2018 2:45:06 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.44 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	404478		
111	35.5	17.9	53.8	
148	64.3	32.6	97.7	





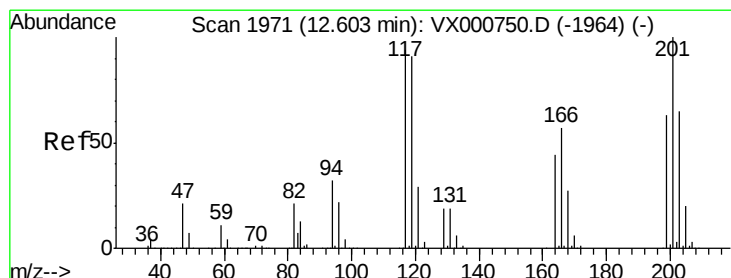
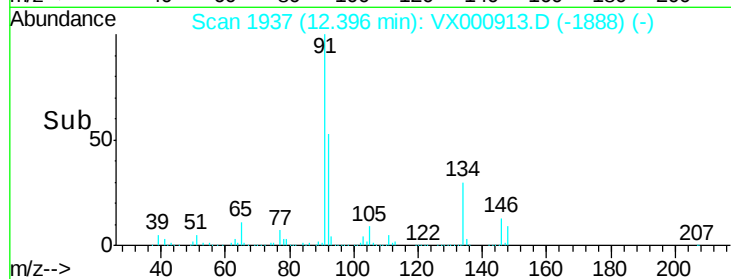
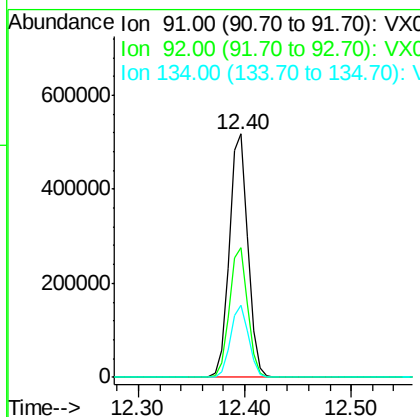
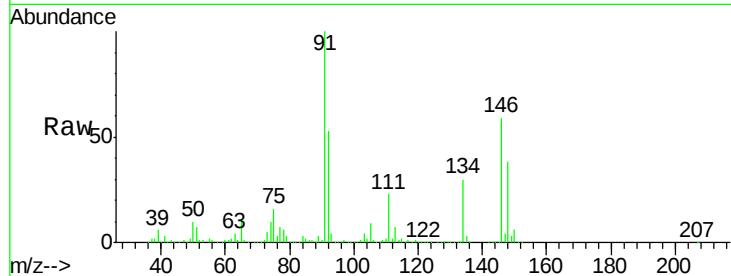
#89
n-Butylbenzene
Concen: 52.20 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.5
134	29.1	14.5	43.5

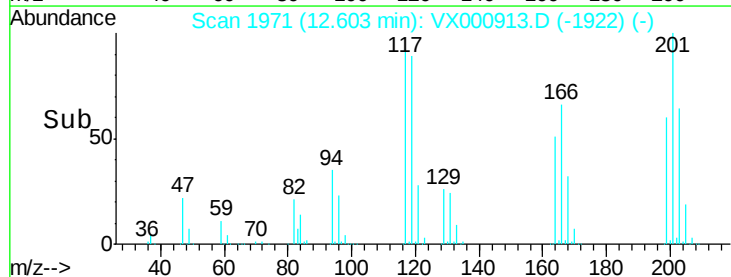
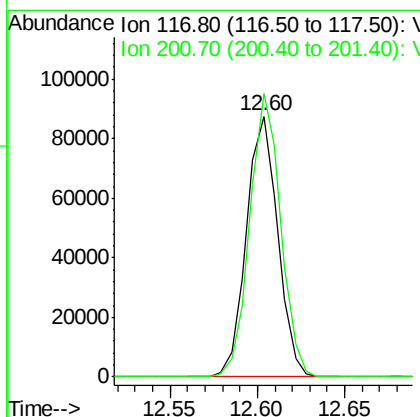
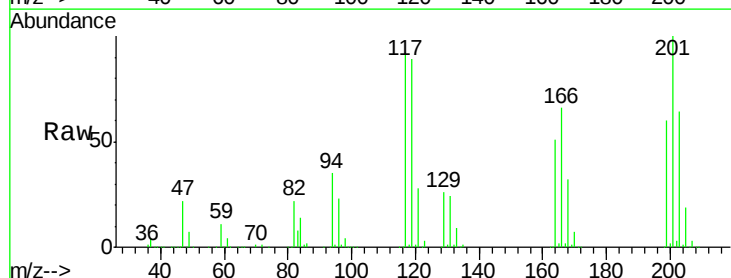
Manual Integrations
APPROVED

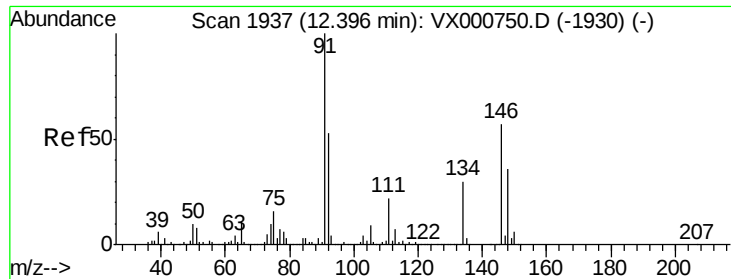
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#90
Hexachloroethane
Concen: 46.99 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000913.D
Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	107.1	52.9	158.7





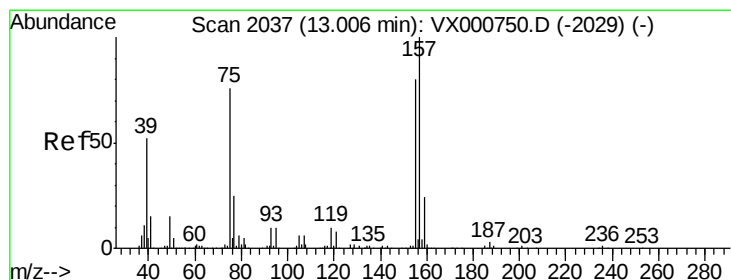
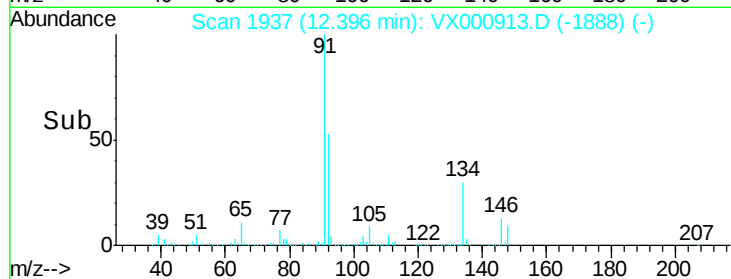
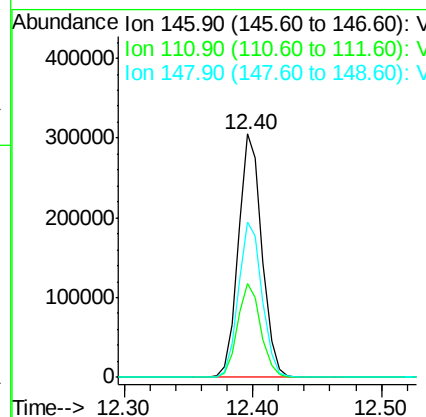
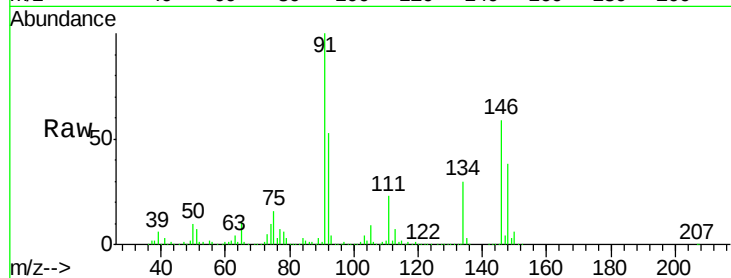
#91
 1,2-Dichlorobenzene
 Concen: 52.31 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.1	32.0	96.2

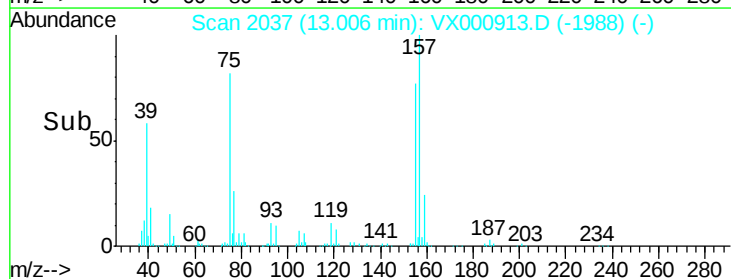
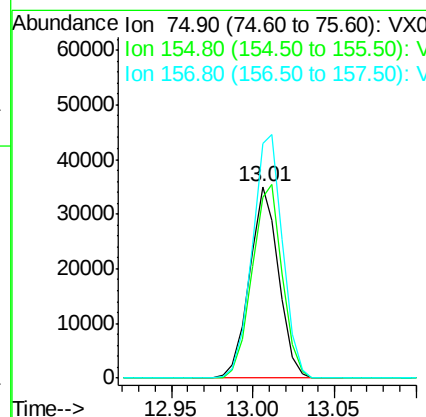
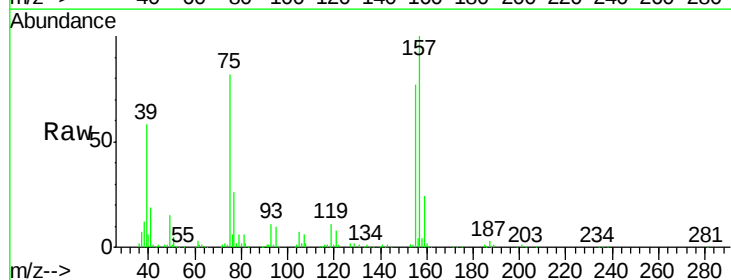
Manual Integrations
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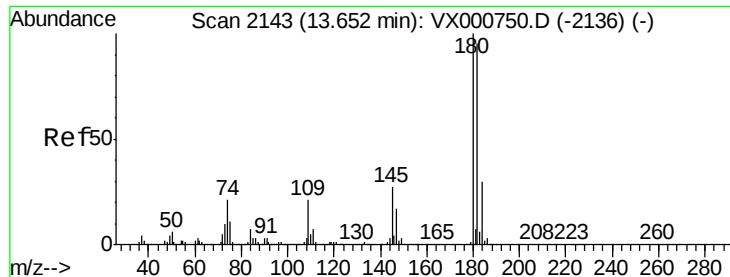
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 4/18/2018 2:45:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.22 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.8	51.9	155.8
157	132.8	66.6	199.8





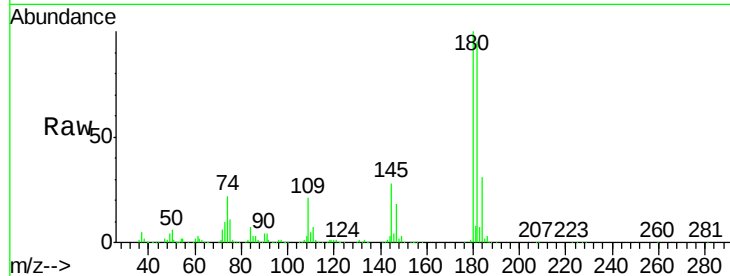
#93
 1,2,4-Trichlorobenzene
 Concen: 51.97 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

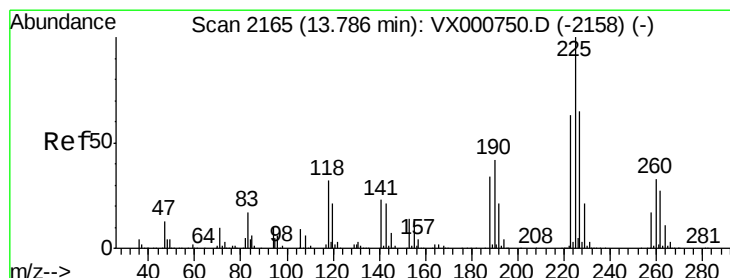
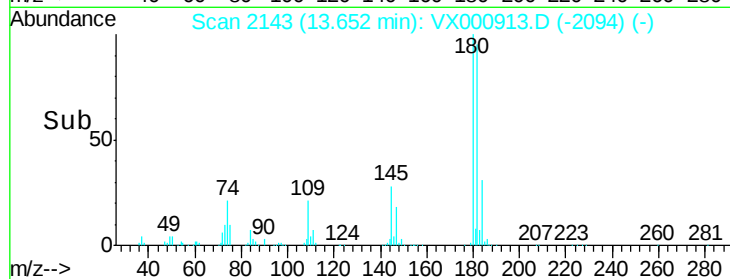
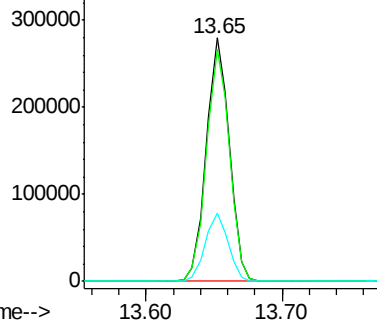
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.5	142.5	
145	27.8	13.8	41.4	

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:06 PM

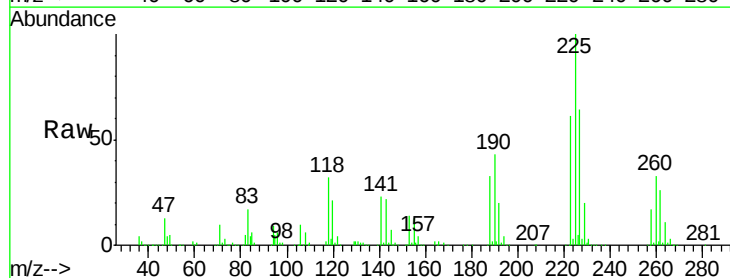


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

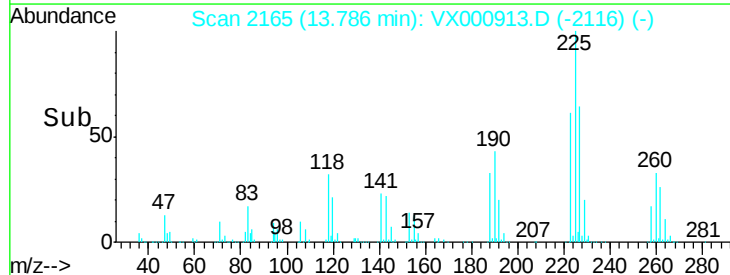
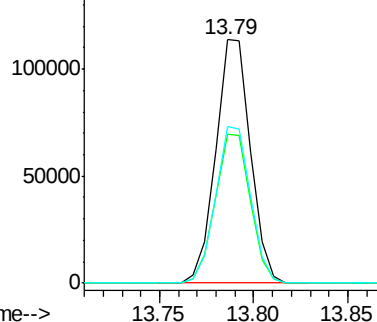


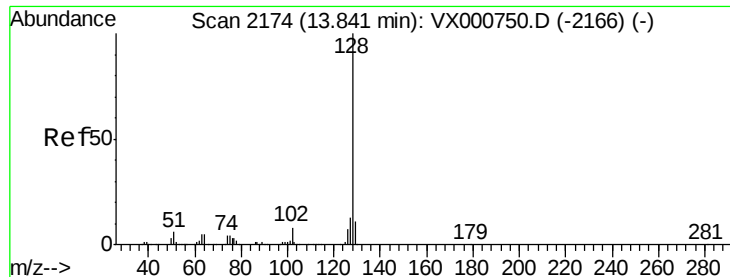
#94
 Hexachlorobutadiene
 Concen: 46.65 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX000913.D
 Acq: 16 Apr 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.2	93.6	
227	64.8	32.3	96.9	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.42 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Instrument :

MSVOA_X

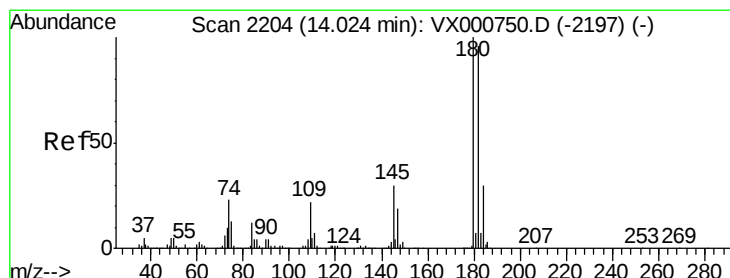
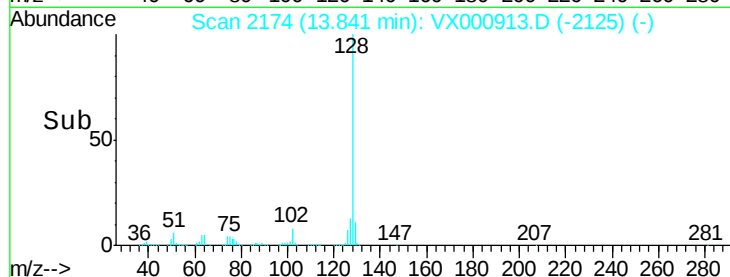
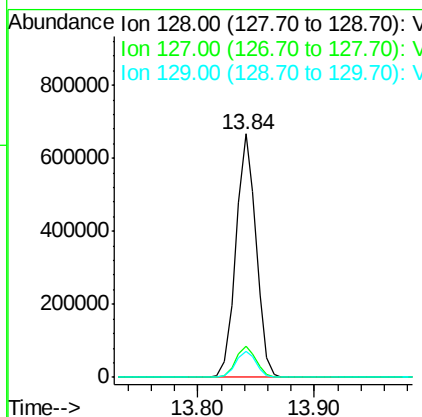
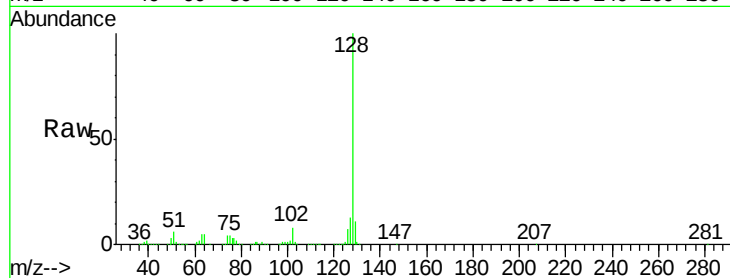
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	801760
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.44 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX000913.D

Acq: 16 Apr 2018 12:30

Tgt Ion:	180	Resp:	315818
Ion Ratio		Lower	Upper
180	100		
182	95.5	48.4	145.2
145	28.8	14.6	43.8

