

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000938.D
 Acq On : 16 Apr 2018 23:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:10 PM

Quant Time: Apr 17 07:10:24 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	237614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	324140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	214969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	152675	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	5.51	113	127273	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	8.72	98	472996	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.14	95	195340	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129596	48.32	ug/l	100
3) Chloromethane	1.32	50	116828	50.80	ug/l	99
4) Vinyl Chloride	1.40	62	131193	50.72	ug/l	99
5) Bromomethane	1.64	94	64964	60.98	ug/l	98
6) Chloroethane	1.72	64	80318	51.23	ug/l	100
7) Trichlorofluoromethane	1.93	101	201877	51.73	ug/l	98
8) Diethyl Ether	2.19	74	76688	52.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	119577	51.96	ug/l	99
10) Methyl Iodide	2.51	142	92232	51.25	ug/l	99
11) Tert butyl alcohol	3.08	59	123302	231.80	ug/l	100
12) 1,1-Dichloroethene	2.38	96	110724	50.77	ug/l	99
13) Acrolein	2.30	56	65143	252.18	ug/l	99
14) Allyl chloride	2.73	41	203595	50.49	ug/l	99
15) Acrylonitrile	3.15	53	313952	276.84	ug/l	100
16) Acetone	2.45	43	254384	246.21	ug/l	100
17) Carbon Disulfide	2.57	76	271017	41.04	ug/l	99
18) Methyl Acetate	2.78	43	161913	60.56	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	393366	54.15	ug/l	98
20) Methylene Chloride	2.86	84	123315	51.32	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	120589	50.14	ug/l	97
22) Diisopropyl ether	3.88	45	418599	56.48	ug/l	99
23) Vinyl Acetate	3.83	43	1753564	269.50	ug/l	99
24) 1,1-Dichloroethane	3.70	63	225674	54.27	ug/l	99
25) 2-Butanone	4.71	43	449189	263.27	ug/l	99
26) 2,2-Dichloropropane	4.59	77	174490	42.27	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	143884	52.72	ug/l	98
28) Bromochloromethane	5.03	49	85060	50.80	ug/l	98
29) Tetrahydrofuran	5.17	42	289269	267.02	ug/l	99
30) Chloroform	5.22	83	237205	53.88	ug/l	99
31) Cyclohexane	5.59	56	194955	49.37	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	214752	51.20	ug/l	100
36) 1,1-Dichloropropene	5.81	75	178064	49.88	ug/l	98
37) Ethyl Acetate	4.87	43	179378	51.47	ug/l	99
38) Carbon Tetrachloride	5.79	117	187588	46.95	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	199730	46.59	ug/l	99
40) Benzene	6.15	78	516545	52.08	ug/l	100
41) Methacrylonitrile	5.07	41	106427	52.86	ug/l	100
42) 1,2-Dichloroethane	6.21	62	194997	52.64	ug/l	99
43) Isopropyl Acetate	6.48	43	306161	51.24	ug/l	100
44) Trichloroethene	7.22	130	157422	51.03	ug/l	97
45) 1,2-Dichloropropane	7.53	63	134824	53.38	ug/l	98
46) Dibromomethane	7.67	93	91274	51.83	ug/l	100
47) Bromodichloromethane	7.91	83	177249	49.87	ug/l	100
48) Methyl methacrylate	7.79	41	162376	52.43	ug/l	99
49) 1,4-Dioxane	7.76	88	52340	840.97	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	948671	270.30	ug/l	99
52) Toluene	8.79	92	339861	51.65	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	211452	49.60	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	201761	48.60	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	138099	52.86	ug/l	100
56) Ethyl methacrylate	9.19	69	210573	52.25	ug/l	100
57) 1,3-Dichloropropane	9.38	76	225267	54.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	506814	269.17	ug/l	99
59) 2-Hexanone	9.51	43	710094	262.08	ug/l	100
60) Dibromochloromethane	9.59	129	153265	49.03	ug/l	99
61) 1,2-Dibromoethane	9.68	107	146724	52.94	ug/l	99
64) Tetrachloroethene	9.34	164	161678	52.89	ug/l	98
65) Chlorobenzene	10.15	112	405620	51.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	148553	50.19	ug/l	100
67) Ethyl Benzene	10.26	91	669263	51.04	ug/l	100
68) m/p-Xylenes	10.37	106	530824	102.57	ug/l	100
69) o-Xylene	10.71	106	258289	51.78	ug/l	99
70) Styrene	10.72	104	437992	52.09	ug/l	100
71) Bromoform	10.87	173	125884	45.93	ug/l	100
73) Isopropylbenzene	11.02	105	696477	51.07	ug/l	100
74) N-amyl acetate	6.48	43	306161	49.85	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	205419	51.90	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	190270m	51.32	ug/l	
77) Bromobenzene	11.26	156	203453	50.91	ug/l	100
78) n-propylbenzene	11.37	91	787428	50.48	ug/l	100
79) 2-Chlorotoluene	11.43	91	468441	50.81	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	591747	50.45	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	56110	41.63	ug/l	93
82) 4-Chlorotoluene	11.52	91	560770	50.39	ug/l	100
83) tert-Butylbenzene	11.77	119	601593	50.14	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	606644	50.10	ug/l	100
85) sec-Butylbenzene	11.95	105	698598	49.35	ug/l	100
86) p-Isopropyltoluene	12.07	119	650607	49.29	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	376367	50.88	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	384098	50.66	ug/l	99
89) n-Butylbenzene	12.40	91	560685	48.12	ug/l	100
90) Hexachloroethane	12.60	117	97394	43.60	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	369968	51.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44702	45.08	ug/l	98

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VSTDCCC050EC

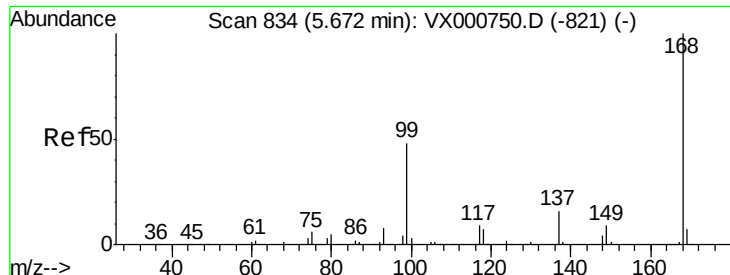
Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:10 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	301036	49.40	ug/l	99
94) Hexachlorobutadiene	13.79	225	125564	41.90	ug/l	99
95) Naphthalene	13.84	128	799397	51.11	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	294687	49.79	ug/l	100

(#) = 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: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 237614

Ion Ratio Lower Upper

168 100

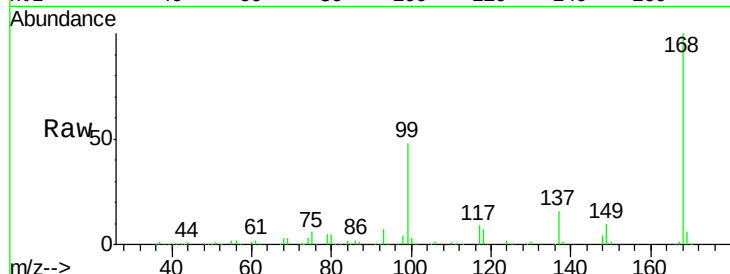
99 47.9 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

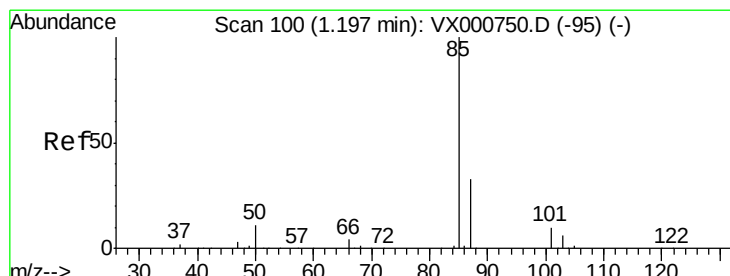
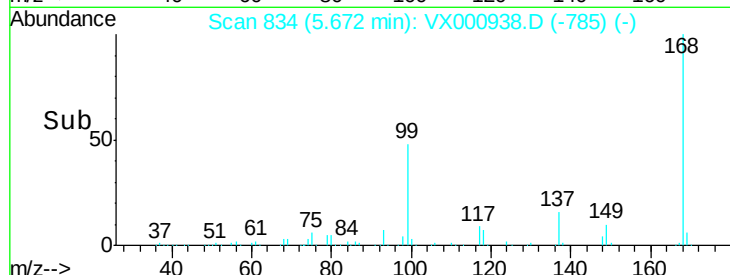
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.32 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX000938.D

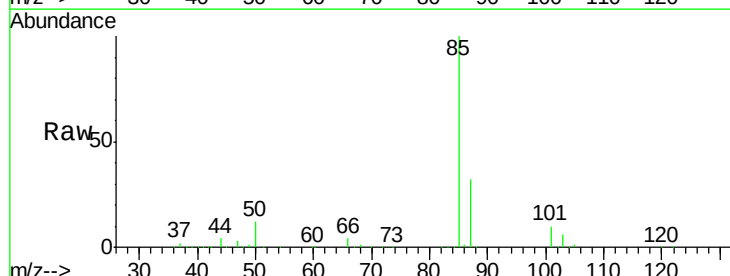
Acq: 16 Apr 2018 23:29

Tgt Ion: 85 Resp: 129596

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

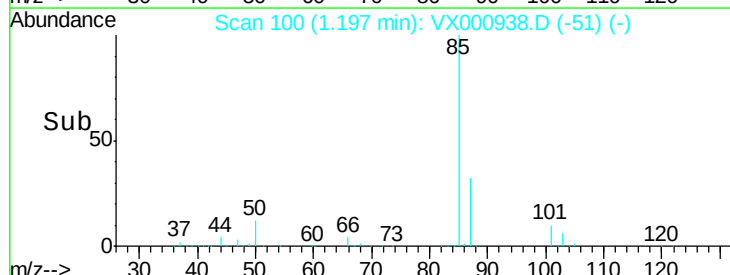
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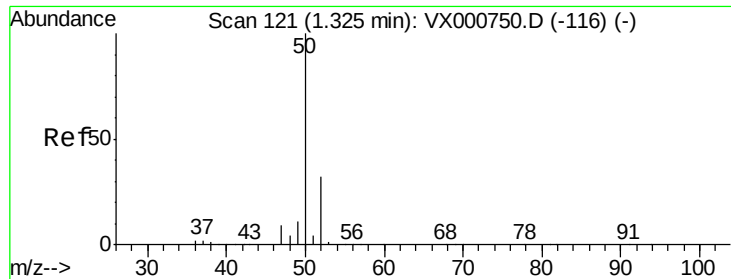
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 50.80 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 116828

Ion Ratio Lower Upper

50 100

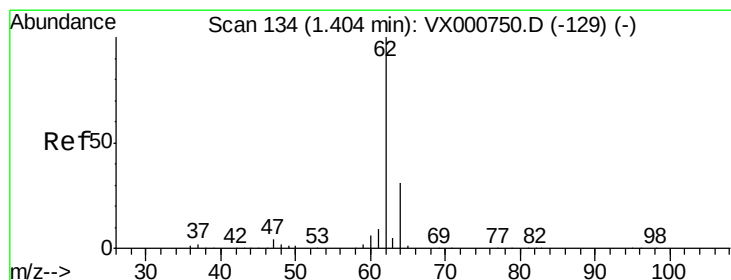
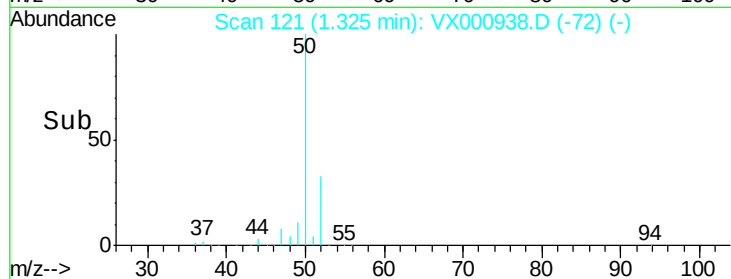
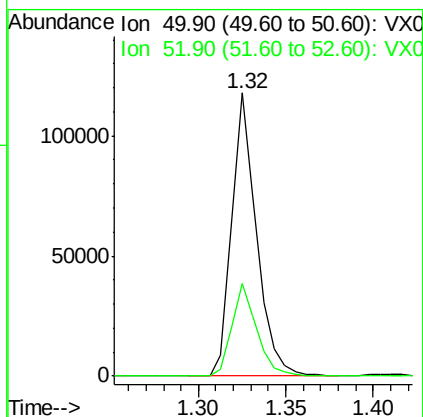
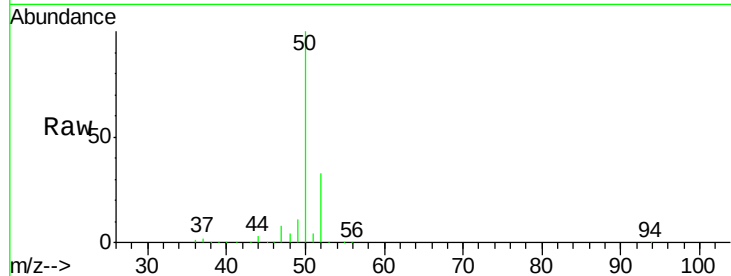
52 32.9 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.72 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX000938.D

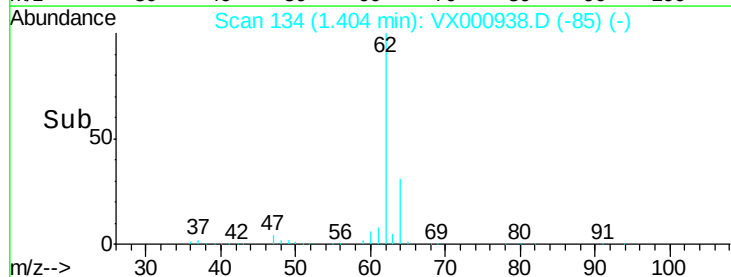
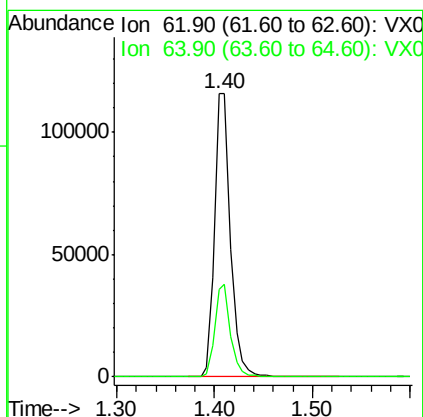
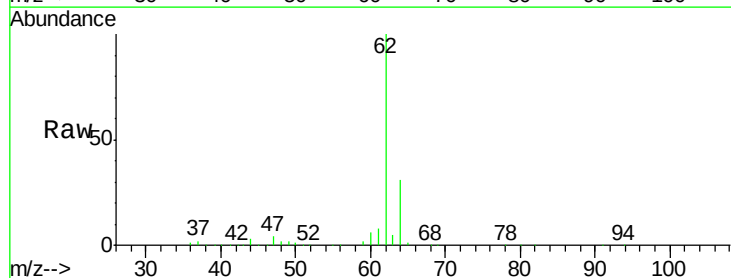
Acq: 16 Apr 2018 23:29

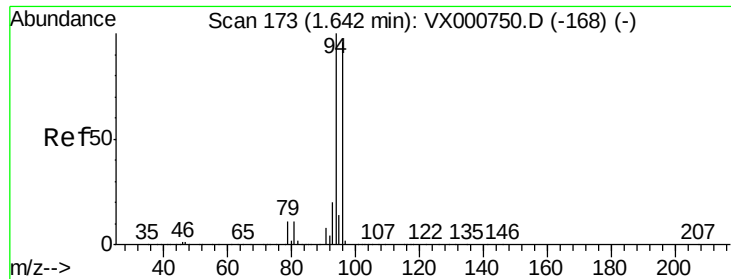
Tgt Ion: 62 Resp: 131193

Ion Ratio Lower Upper

62 100

64 31.0 24.6 36.8





#5

Bromomethane

Concen: 60.98 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 64964

Ion Ratio Lower Upper

94 100

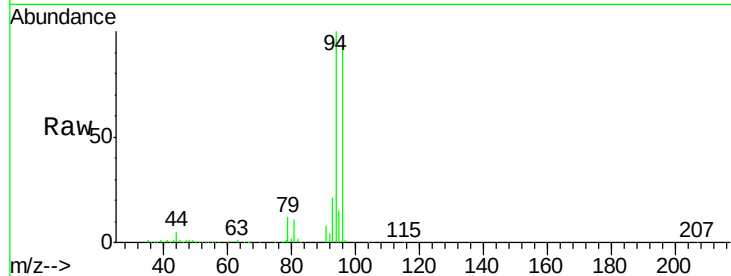
96 93.9 77.0 115.6

Manual Integrations

APPROVED

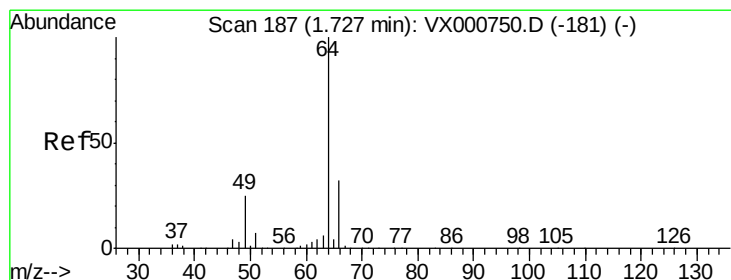
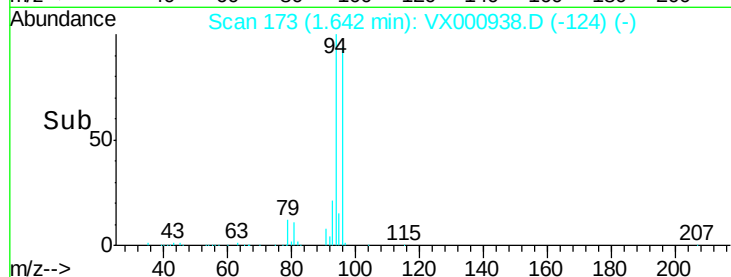
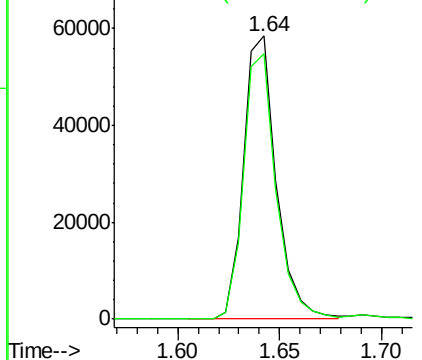
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.23 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000938.D

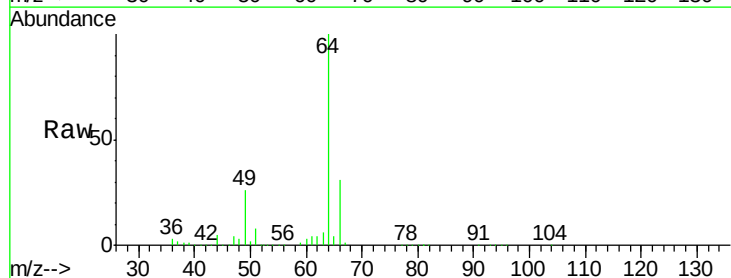
Acq: 16 Apr 2018 23:29

Tgt Ion: 64 Resp: 80318

Ion Ratio Lower Upper

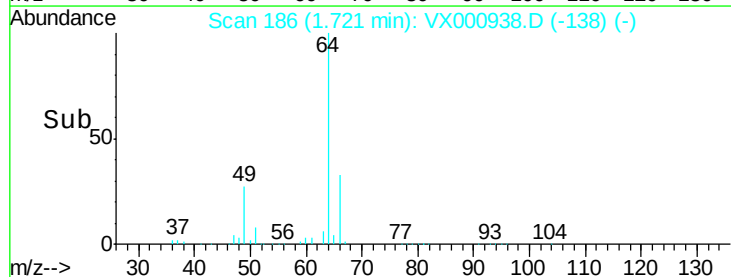
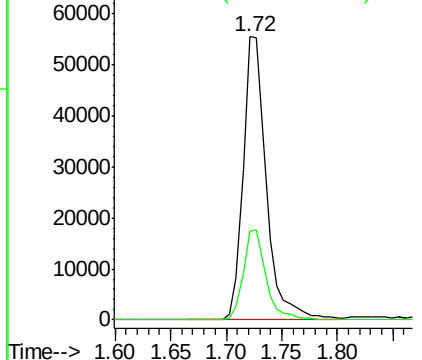
64 100

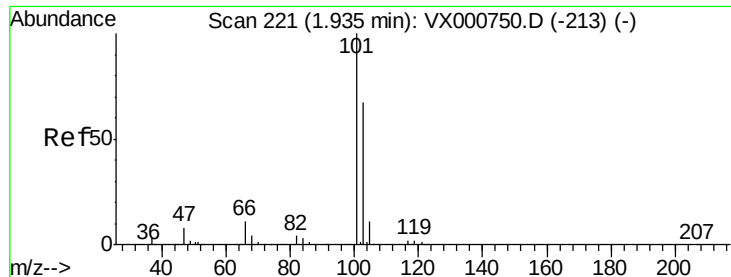
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

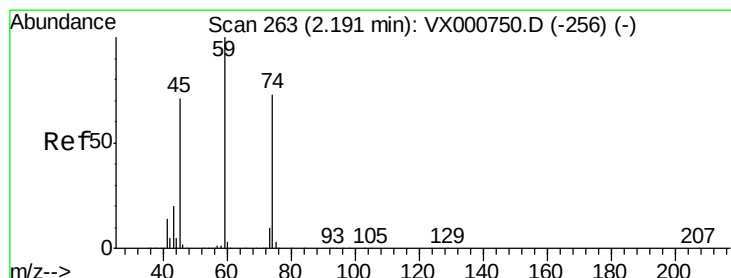
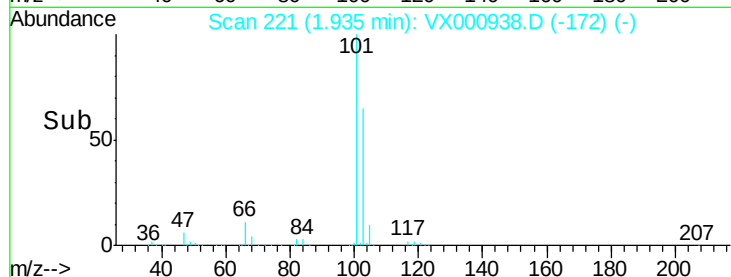
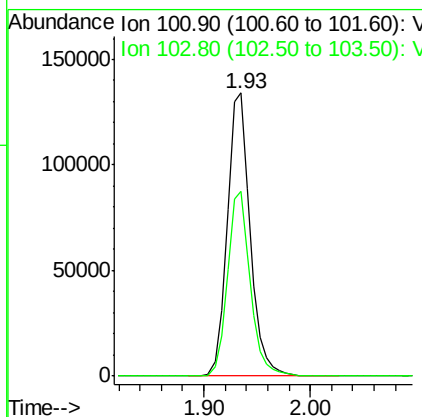
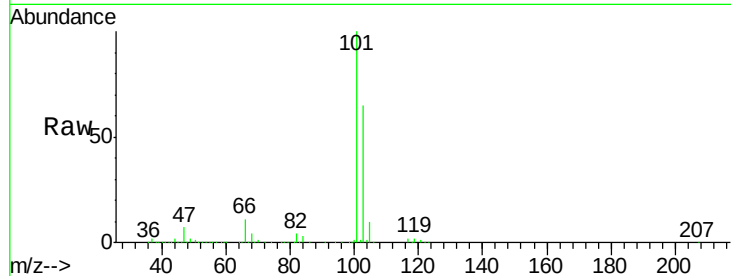
Trichlorofluoromethane
Concen: 51.73 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.2	79.8

Manual Integrations
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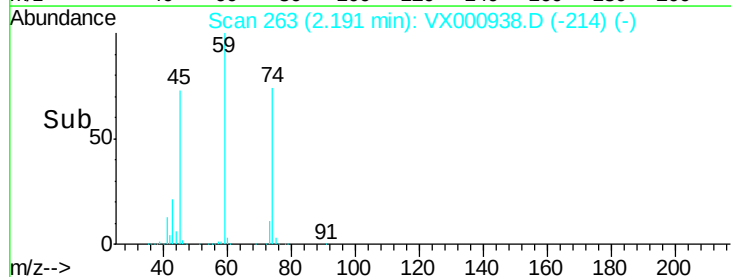
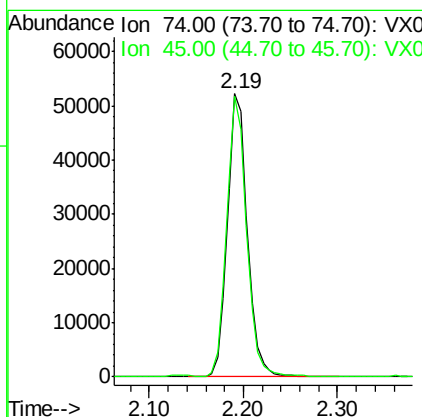
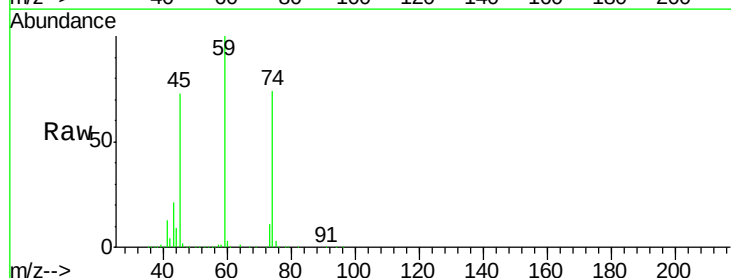
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4/18/2018 2:45:10 PM

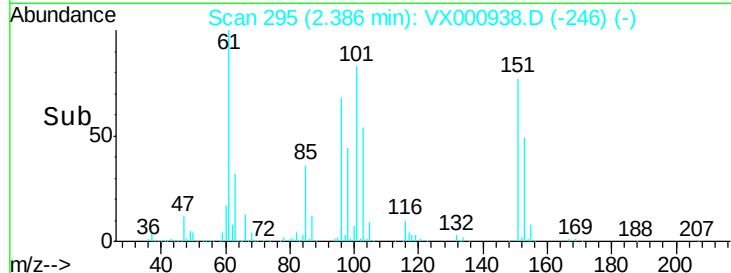
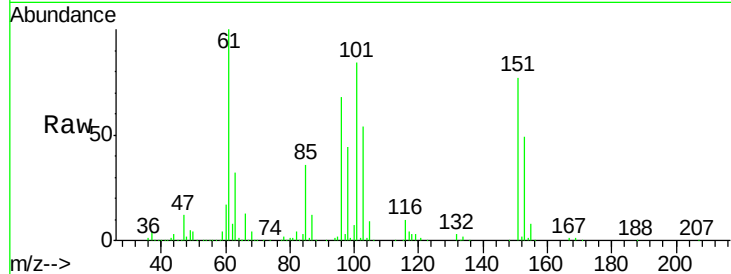
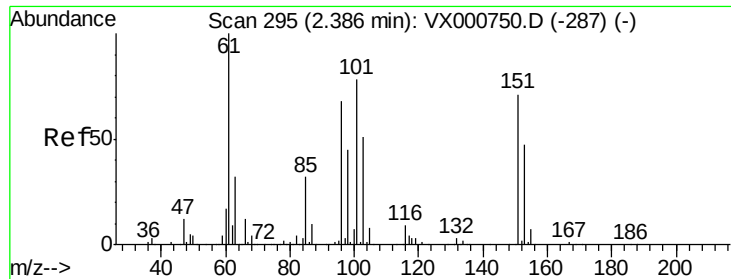


#8

Diethyl Ether
Concen: 52.60 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	48.6	145.8





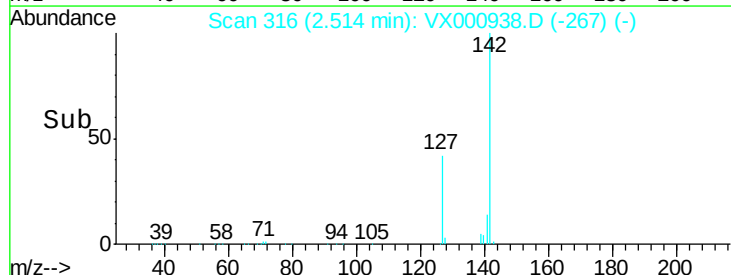
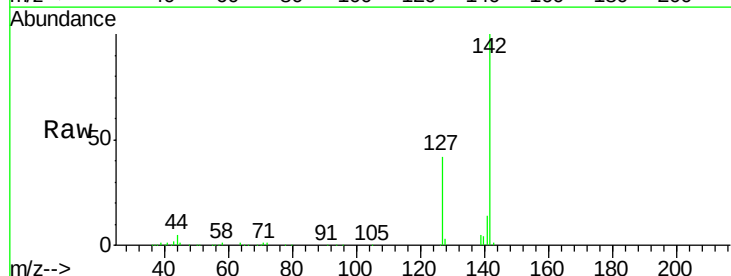
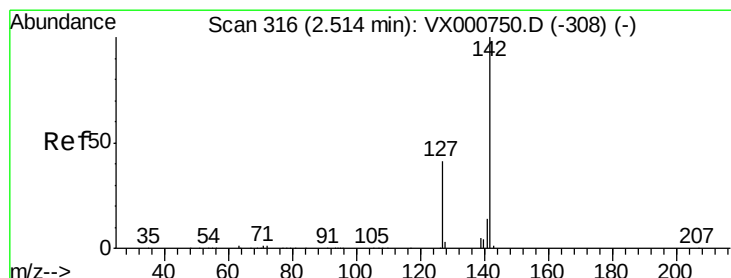
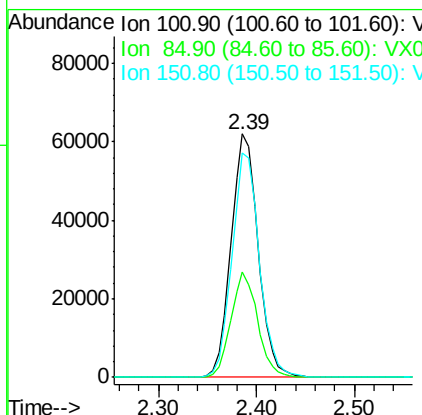
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.96 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	119577		
85	42.6	34.0	51.0	
151	93.0	75.8	113.8	

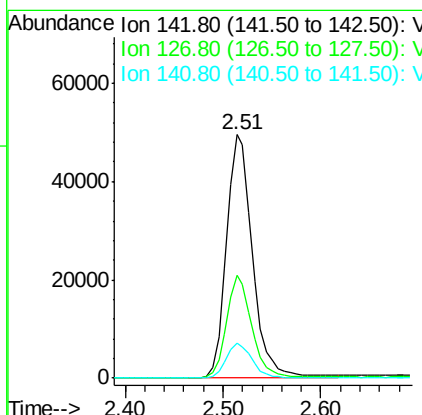
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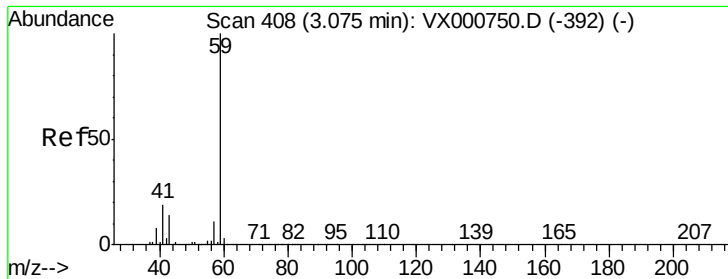
MMDadoda
4/18/2018 2:45:10 PM



#10
Methyl Iodide
Concen: 51.25 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	92232		
127	41.8	32.6	49.0	
141	14.1	11.5	17.3	





#11

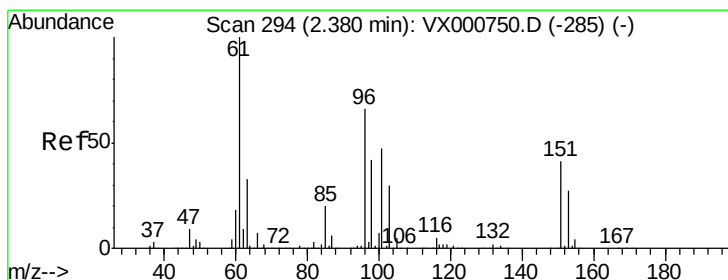
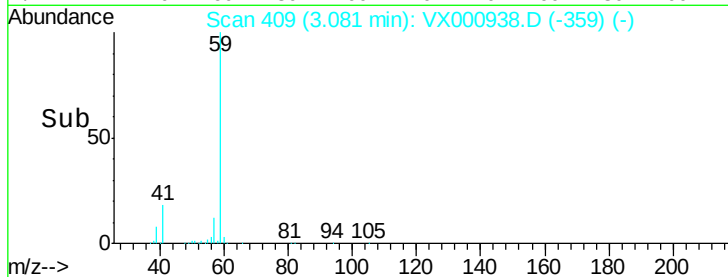
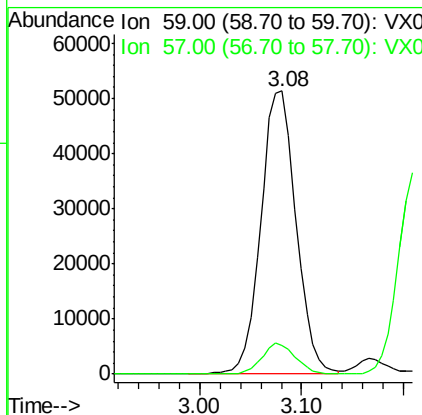
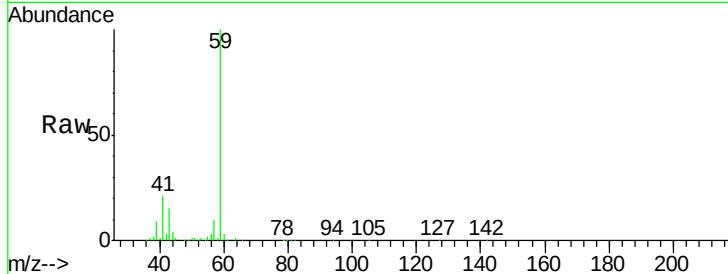
Tert butyl alcohol
 Concen: 231.80 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	123302		
57	10.5		8.4	12.6

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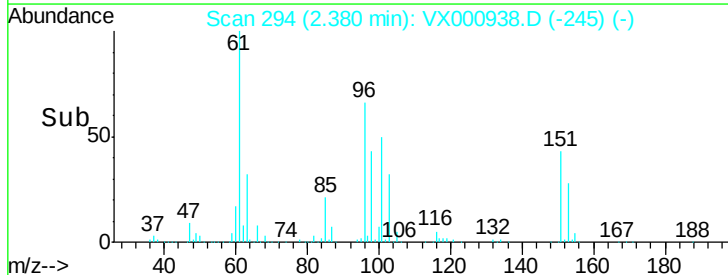
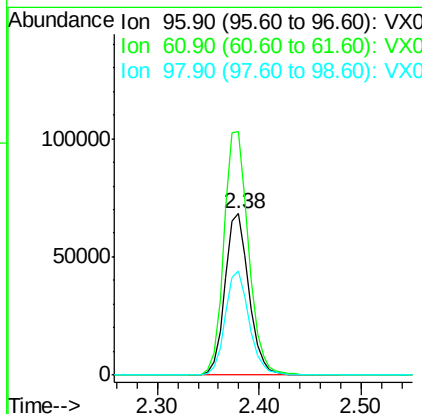
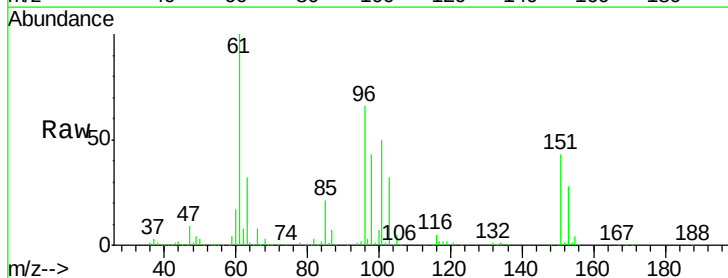
MMDadoda
 4/18/2018 2:45:10 PM

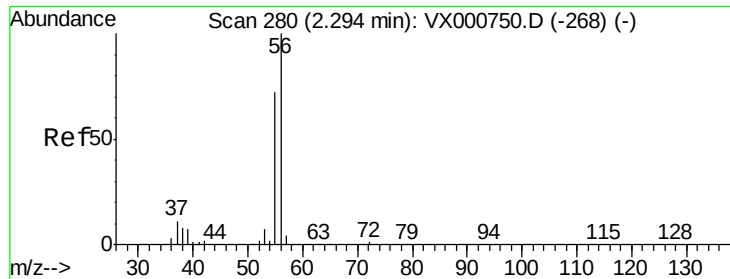


#12

1,1-Dichloroethene
 Concen: 50.77 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	110724		
61	151.0		120.5	180.7
98	64.5		50.9	76.3





#13

Acrolein

Concen: 252.18 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 65143

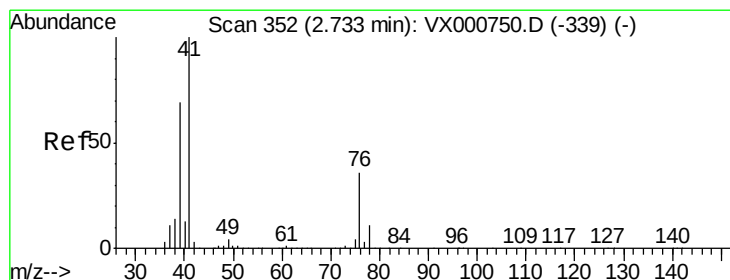
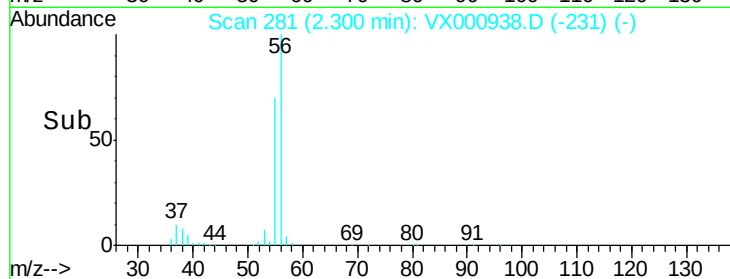
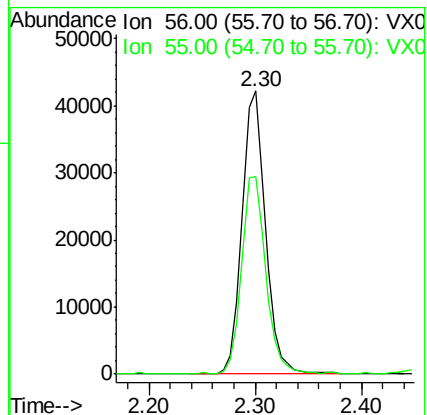
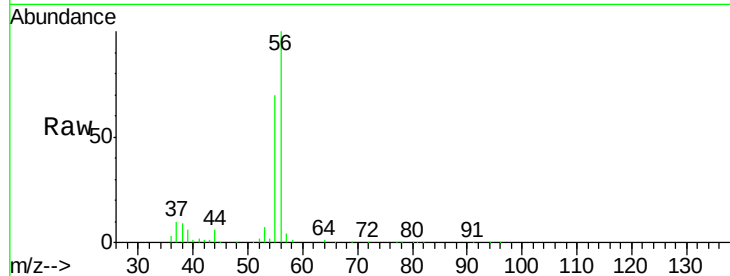
Ion Ratio Lower Upper

56 100

55 72.3 58.7 88.1

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#14

Allyl chloride

Concen: 50.49 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

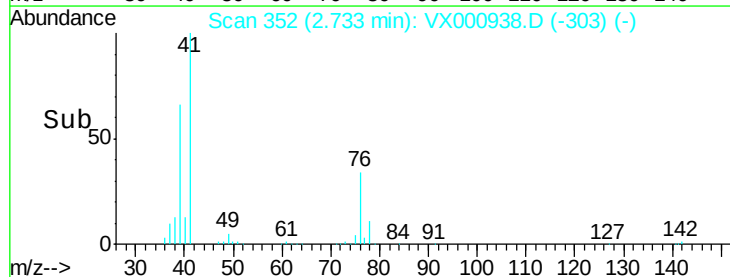
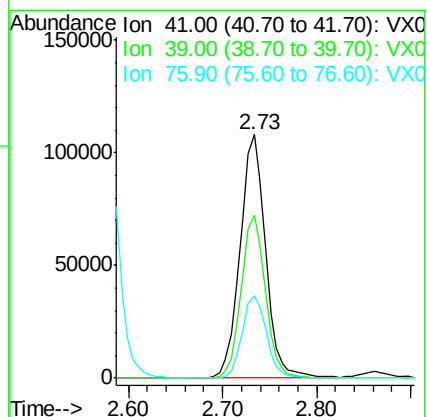
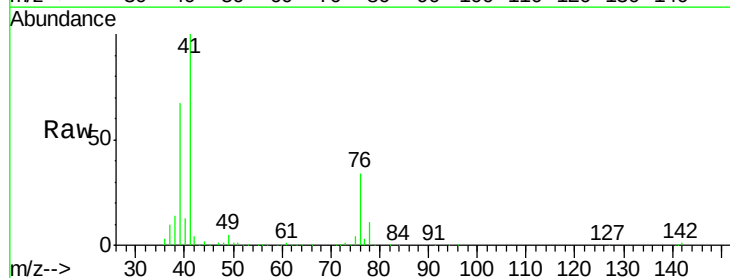
Tgt Ion: 41 Resp: 203595

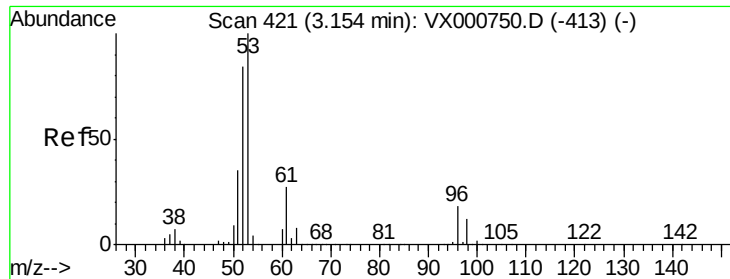
Ion Ratio Lower Upper

41 100

39 63.6 51.5 77.3

76 32.2 26.5 39.7





#15

Acrylonitrile

Concen: 276.84 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

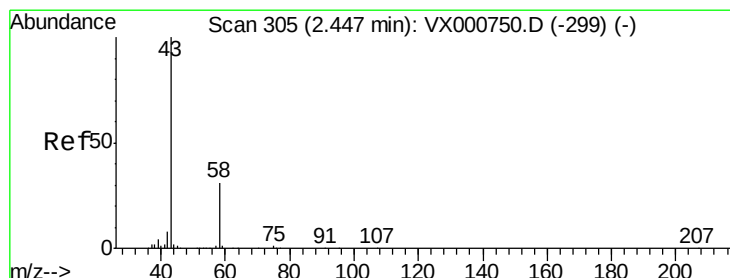
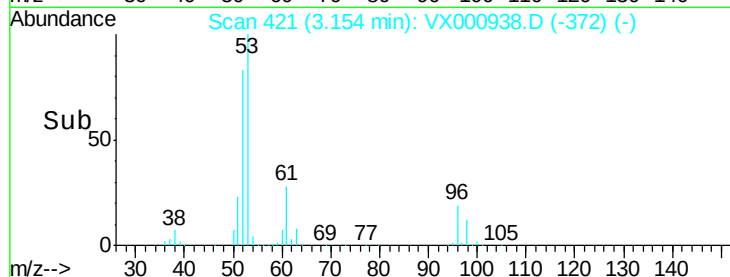
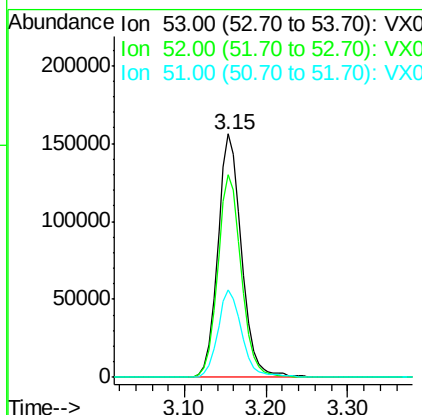
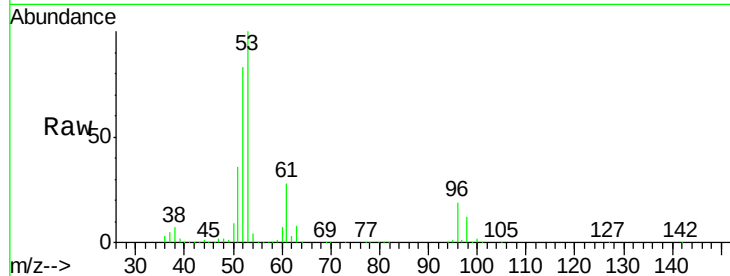
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	313952
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.5	99.7
51	36.5	28.8	43.2

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#16

Acetone

Concen: 246.21 ug/l

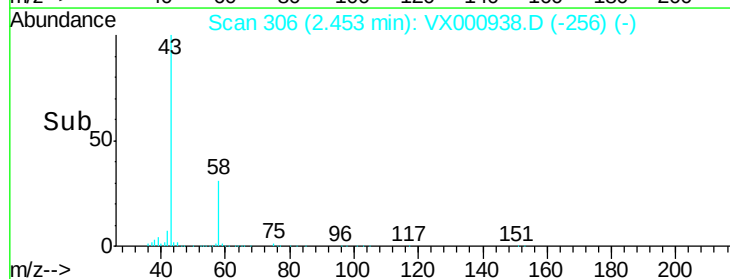
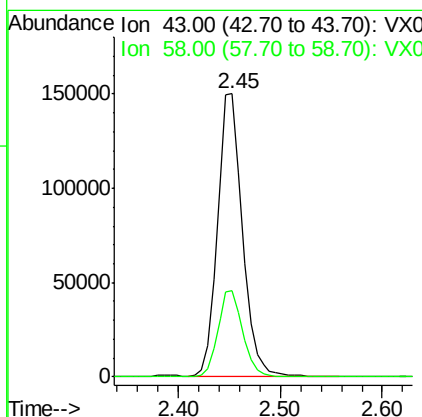
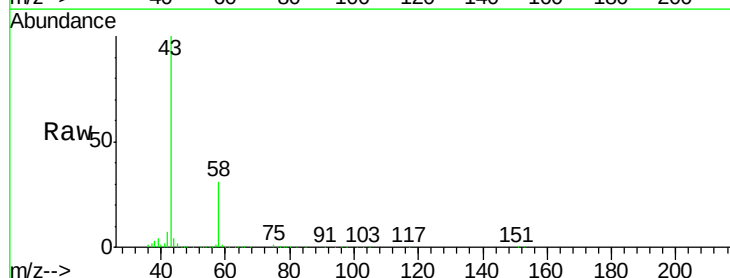
RT: 2.45 min Scan# 306

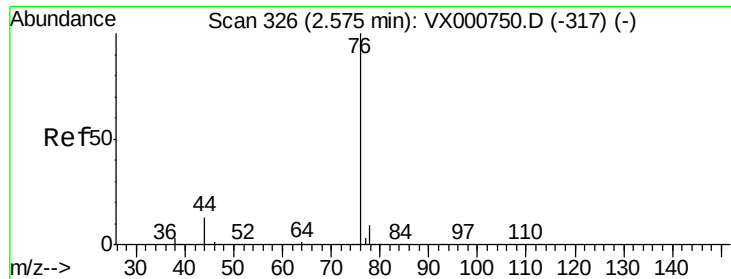
Delta R.T. 0.01 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Tgt Ion:	43	Resp:	254384
Ion Ratio	Lower	Upper	
43	100		
58	30.6	24.6	37.0





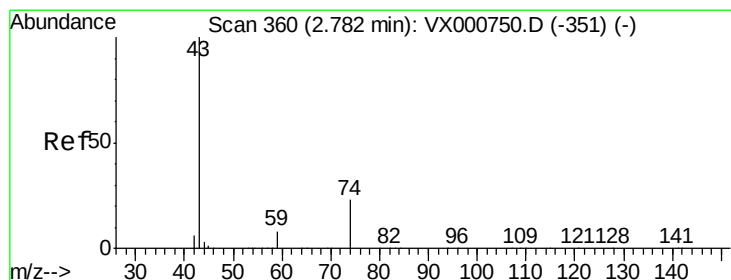
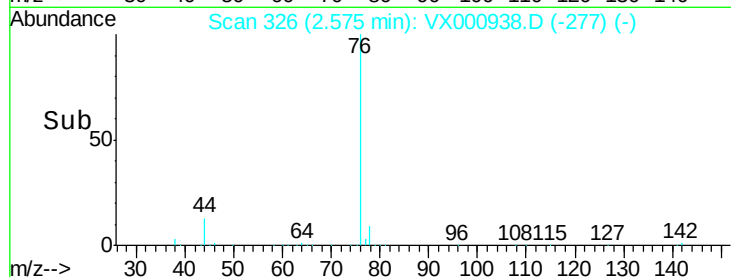
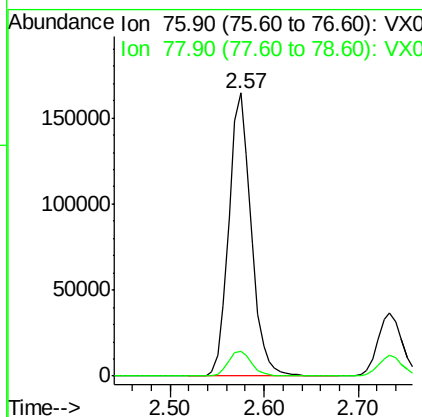
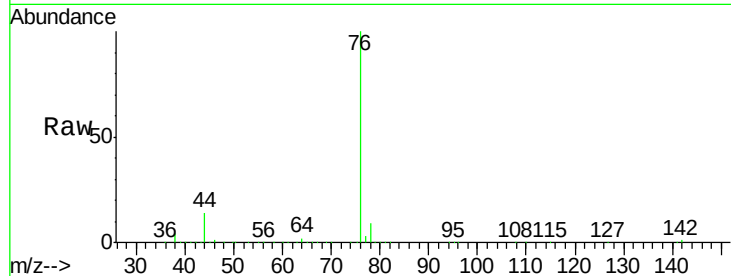
#17
Carbon Disulfide
Concen: 41.04 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

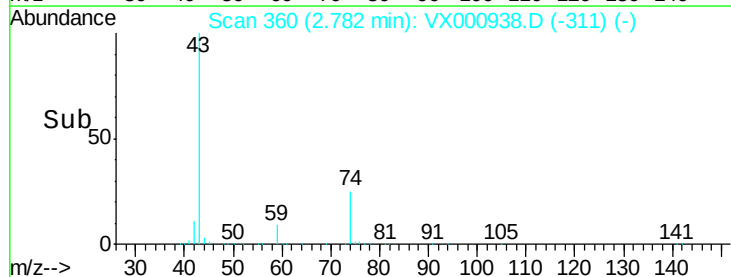
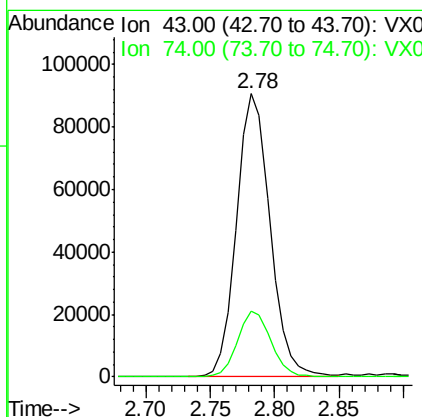
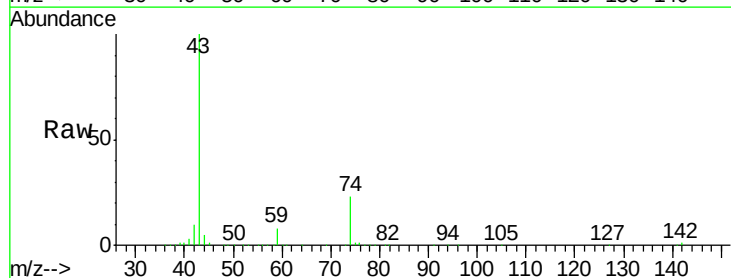
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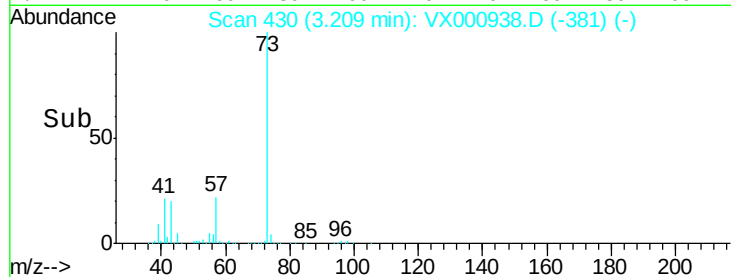
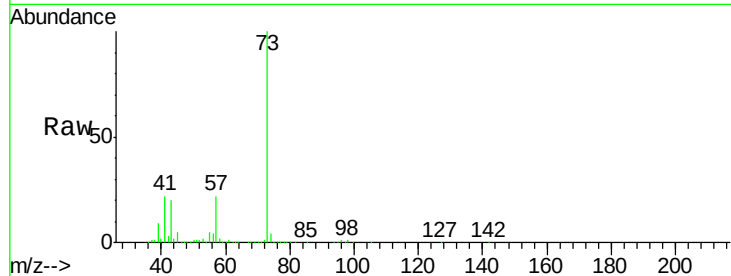
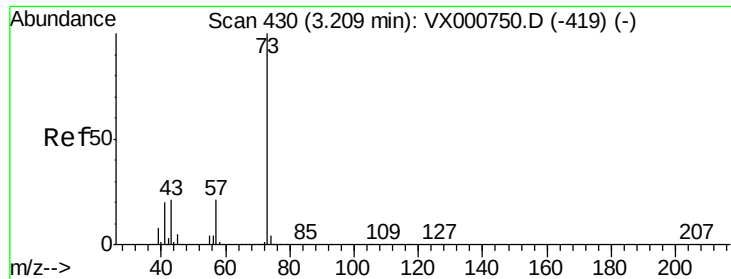
MMDadoda
4/18/2018 2:45:10 PM



#18
Methyl Acetate
Concen: 60.56 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.1	28.7





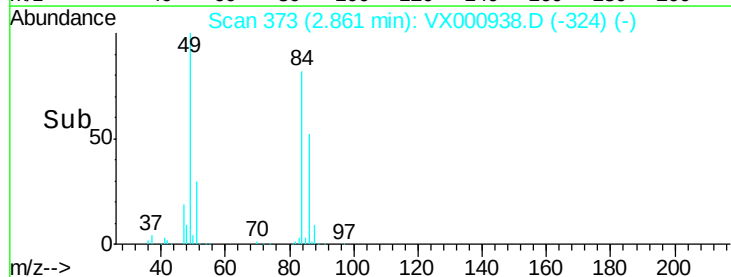
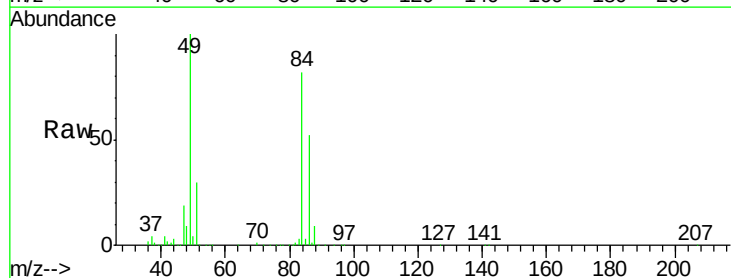
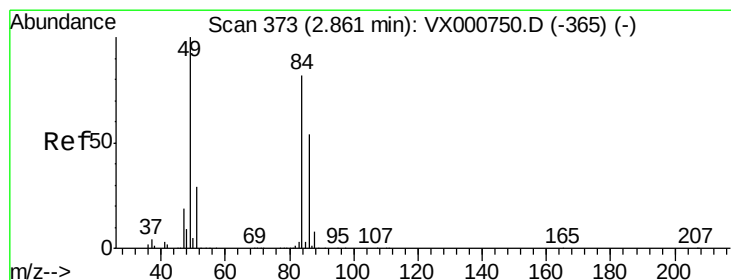
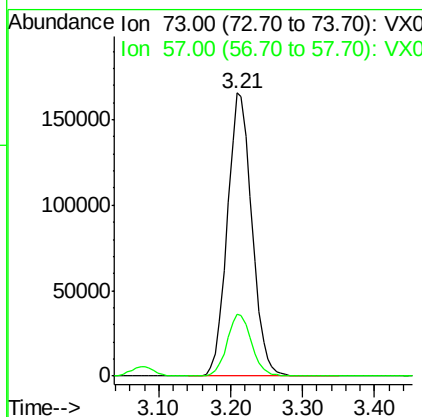
#19
Methyl tert-butyl Ether
Concen: 54.15 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tot Ion	Ratio	Resp	Lower	Upper
73	100	393366		
57	22.0		16.9	25.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

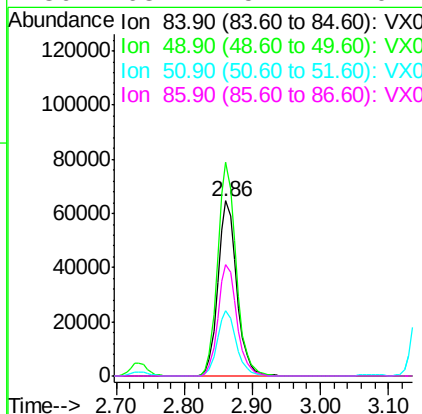
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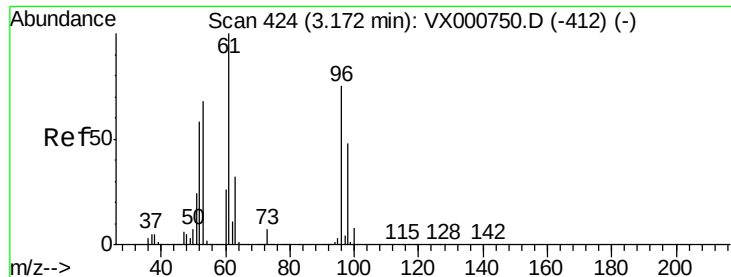
MMDadoda
4/18/2018 2:45:10 PM



#20
Methylene Chloride
Concen: 51.32 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	123315		
49	121.8		98.1	147.1
51	36.8		28.9	43.3
86	63.4		52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 50.14 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

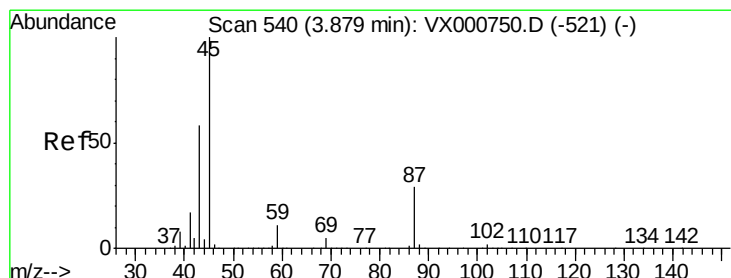
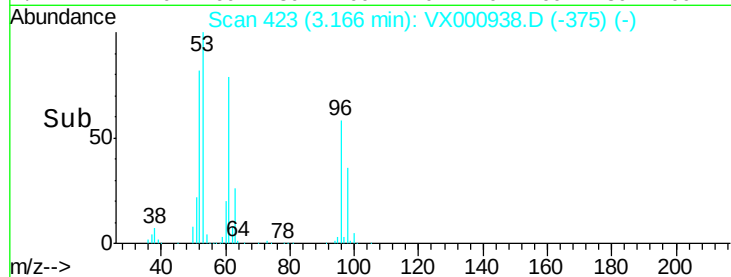
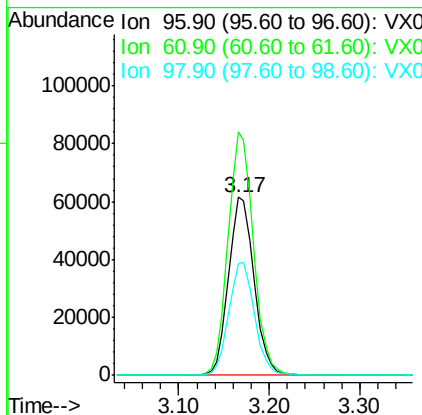
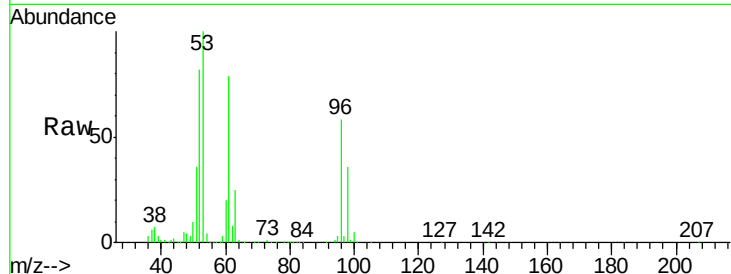
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	120589
Ion	Ratio	Lower	Upper
96	100		
61	136.6	106.2	159.2
98	62.5	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.48 ug/l

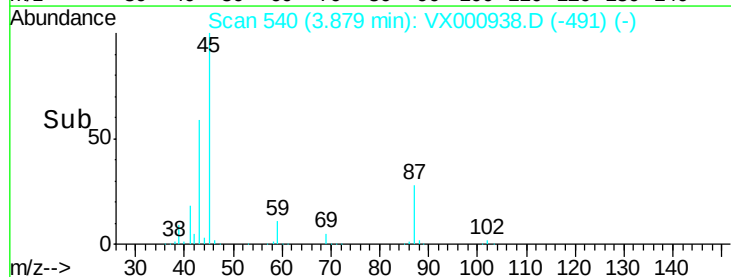
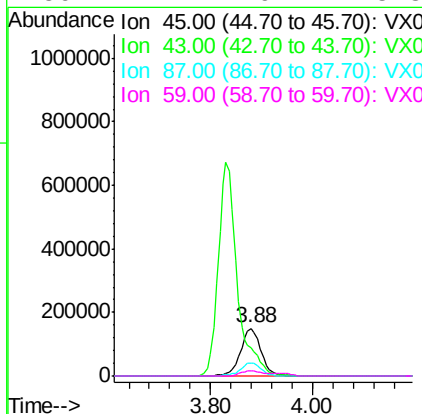
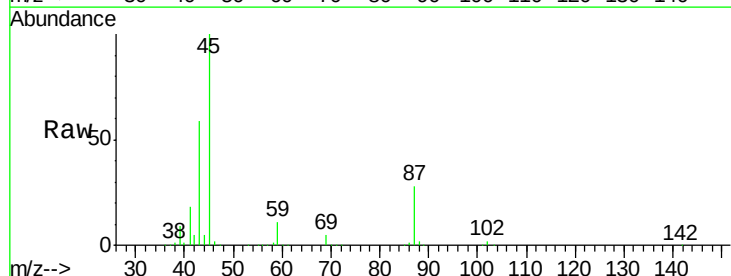
RT: 3.88 min Scan# 540

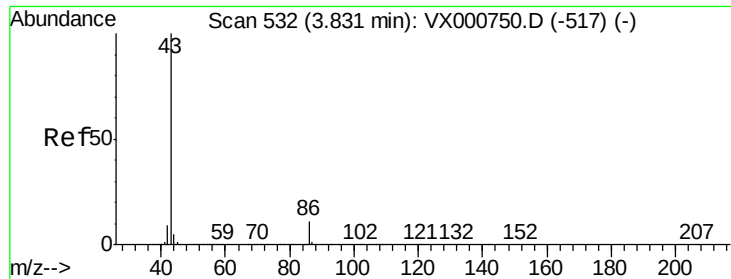
Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Tgt Ion:	45	Resp:	418599
Ion	Ratio	Lower	Upper
45	100		
43	58.7	46.6	69.8
87	27.7	22.9	34.3
59	11.1	9.2	13.8





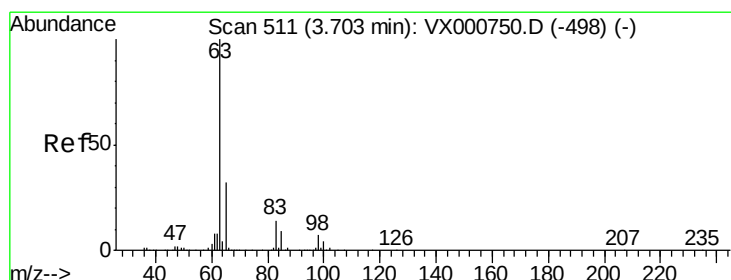
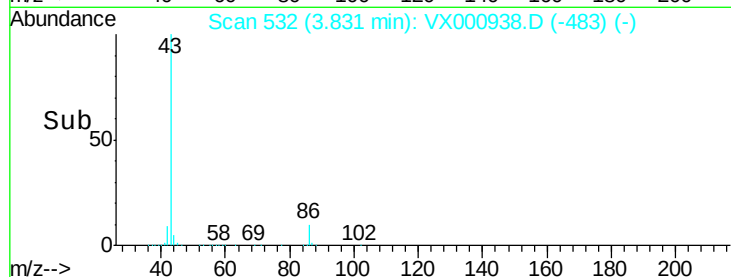
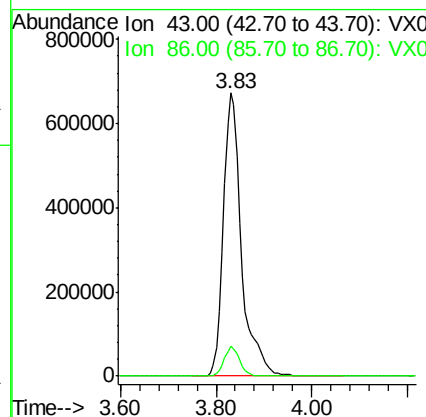
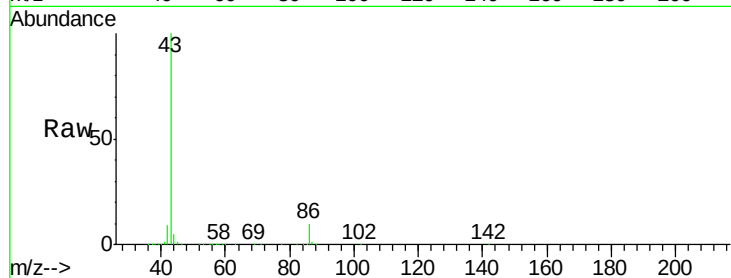
#23
 Vinyl Acetate
 Concen: 269.50 ug/l
 RT: 3.83 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1753564
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.6 12.8

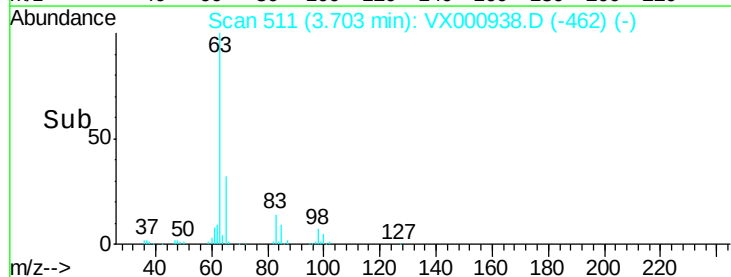
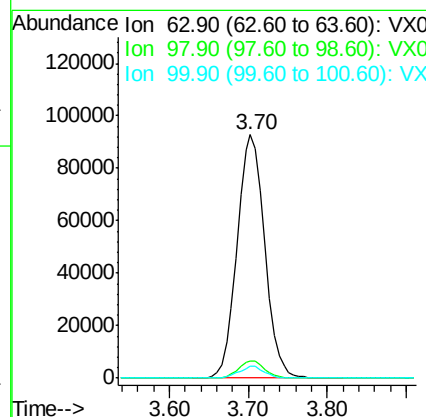
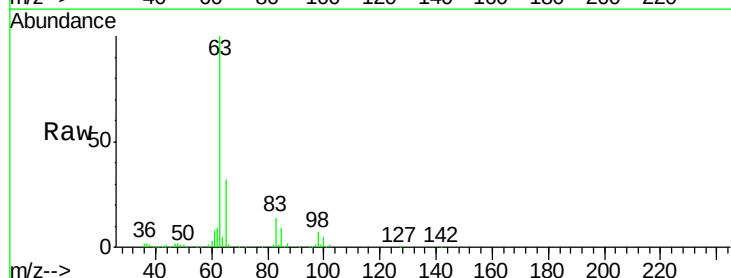
Manual Integrations
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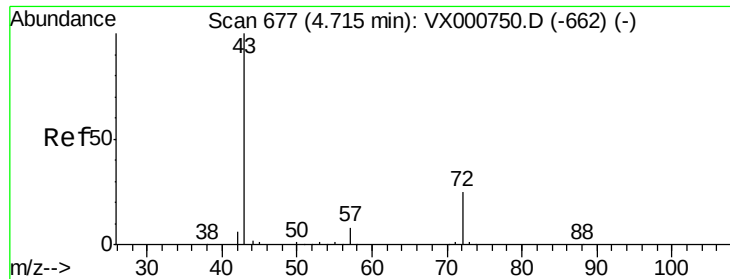
MMDadoda
 4/18/2018 2:45:10 PM



#24
 1,1-Dichloroethane
 Concen: 54.27 ug/l
 RT: 3.70 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion: 63 Resp: 225674
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.9
 100 4.7 2.1 6.3





#25

2-Butanone

Concen: 263.27 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 449189

Ion Ratio Lower Upper

43 100

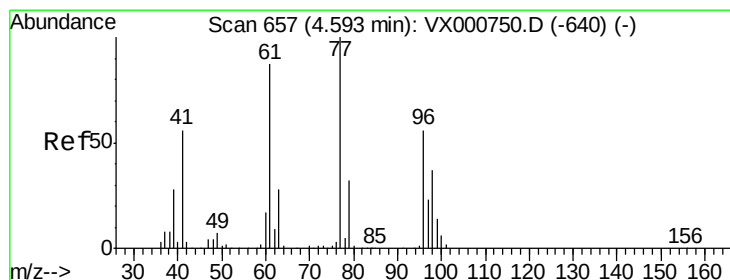
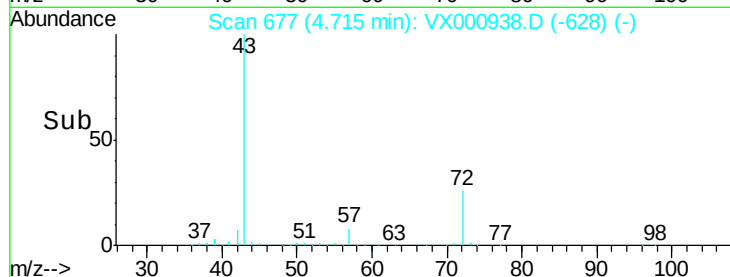
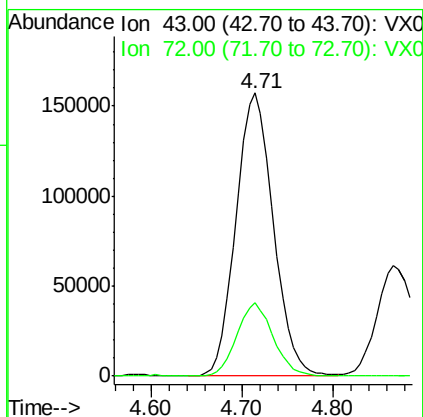
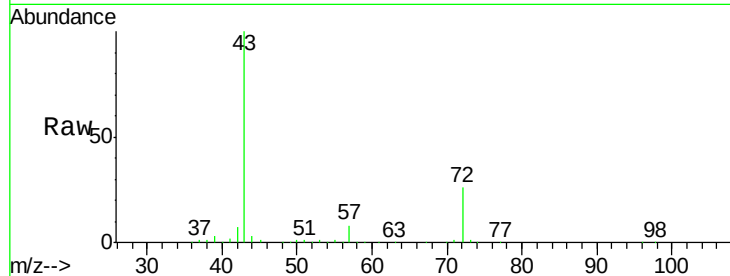
72 26.0 20.3 30.5

Manual Integrations

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MMDadoda

4/18/2018 2:45:10 PM



#26

2,2-Dichloropropane

Concen: 42.27 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX000938.D

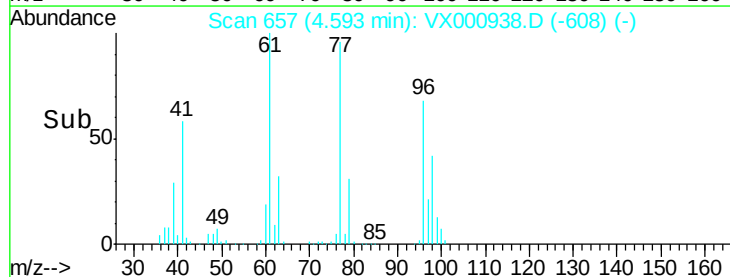
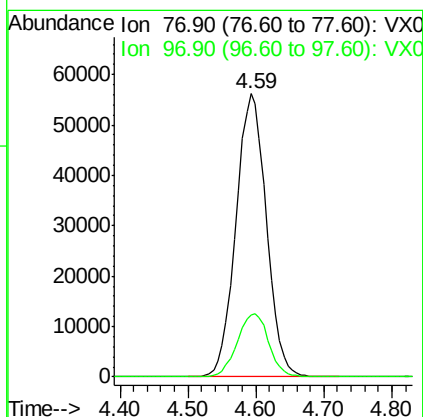
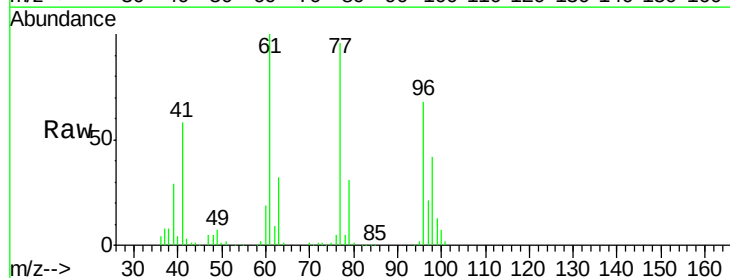
Acq: 16 Apr 2018 23:29

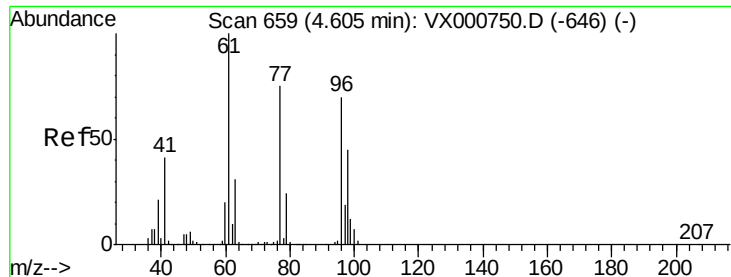
Tgt Ion: 77 Resp: 174490

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.4





#27

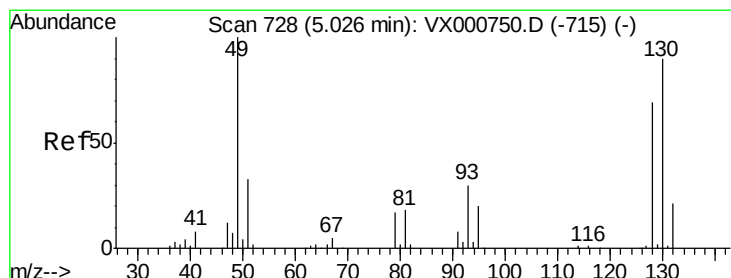
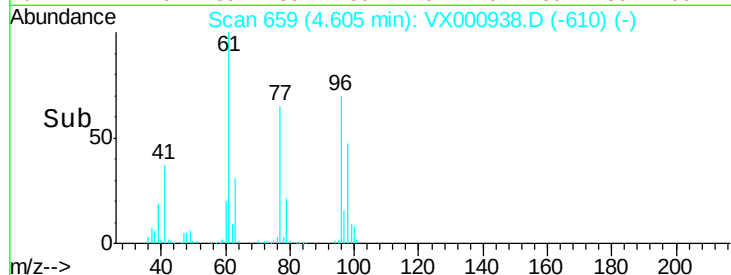
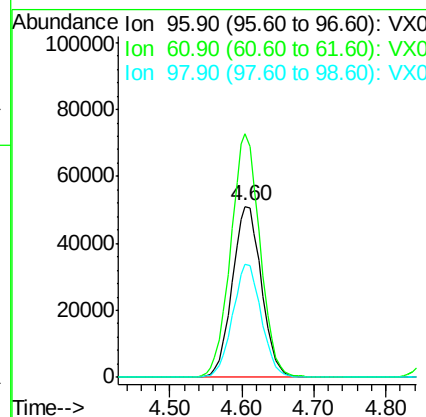
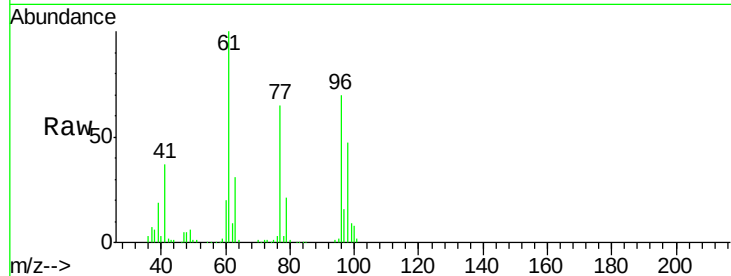
cis-1,2-Dichloroethene
 Concen: 52.72 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	143884		
61	143.0	0.0	292.4	
98	65.2	0.0	130.2	

Manual Integrations
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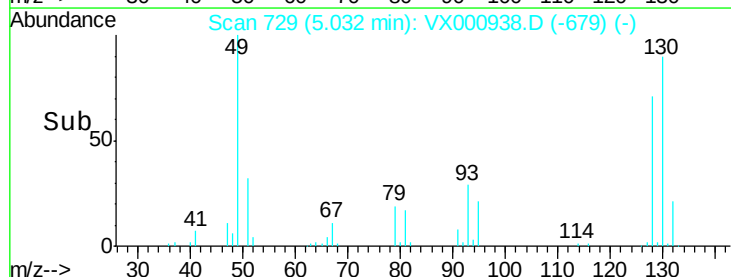
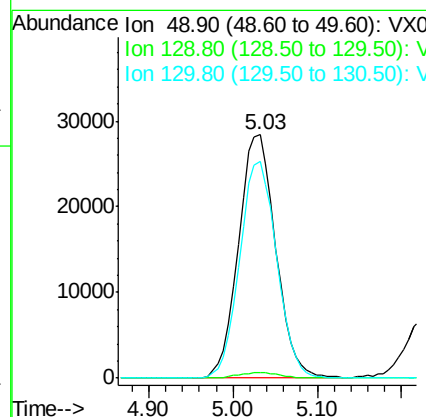
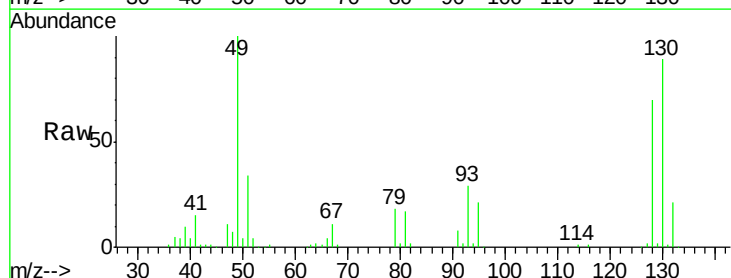
MMDadoda
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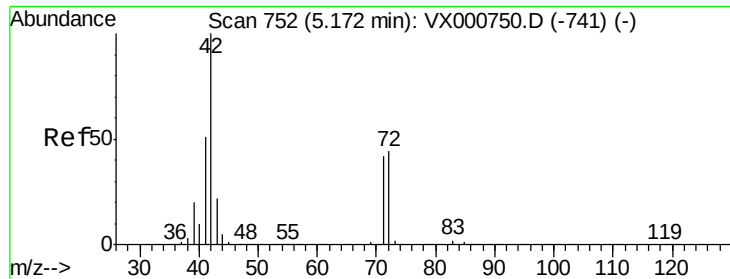


#28

Bromochloromethane
 Concen: 50.80 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	85060		
129	2.4	0.0	5.2	
130	88.4	72.6	109.0	





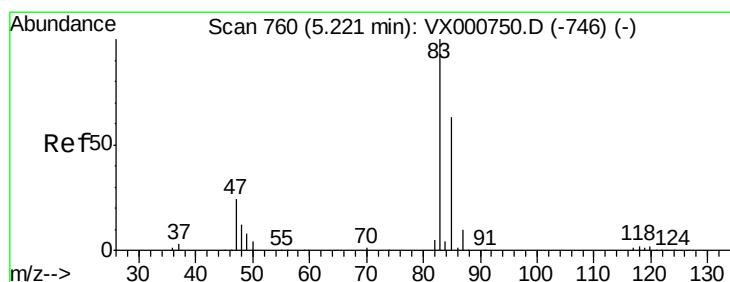
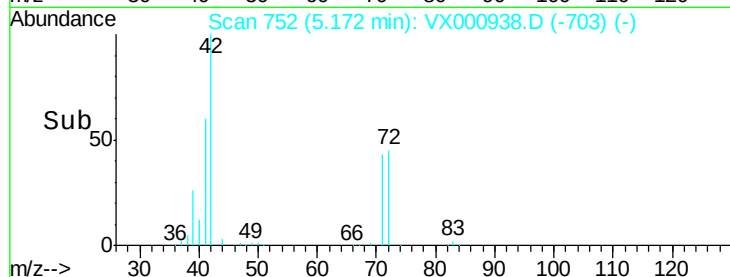
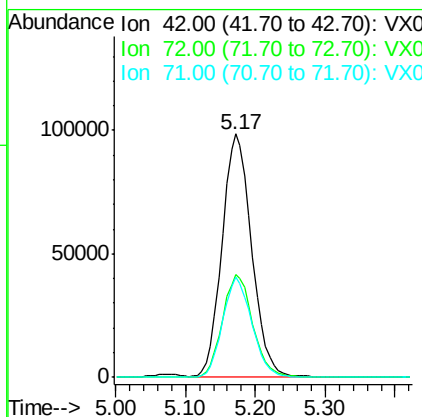
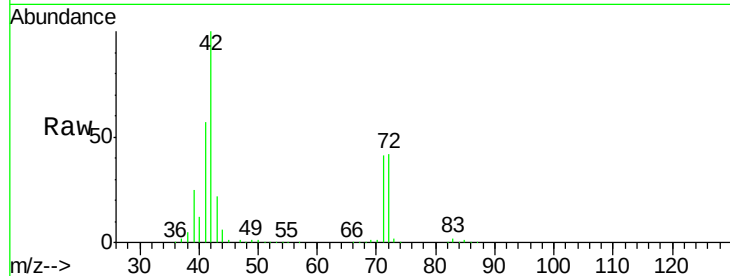
#29
Tetrahydrofuran
Concen: 267.02 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	35.1	52.7
71	40.7	32.8	49.2

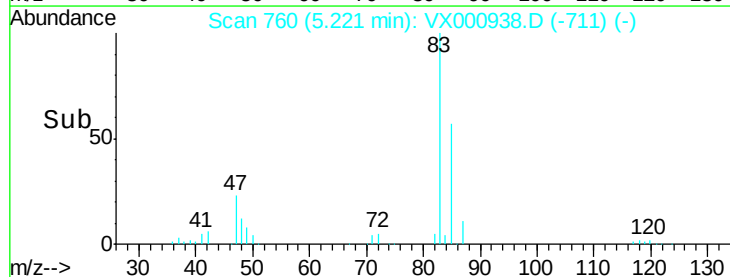
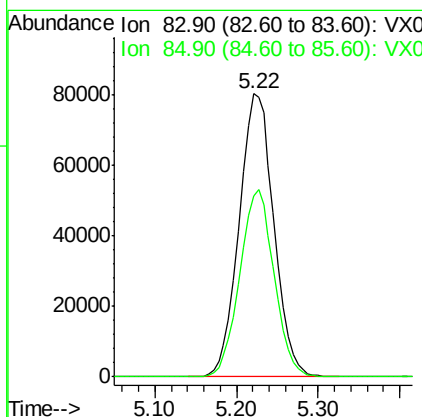
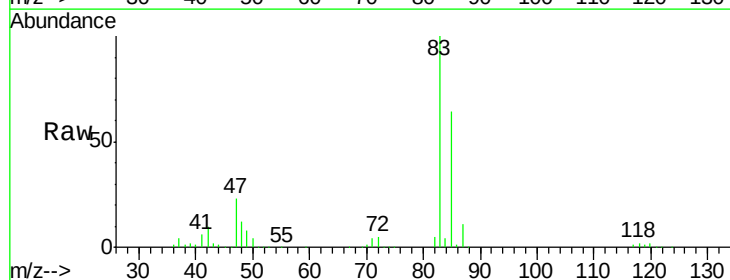
Manual Integrations
APPROVED

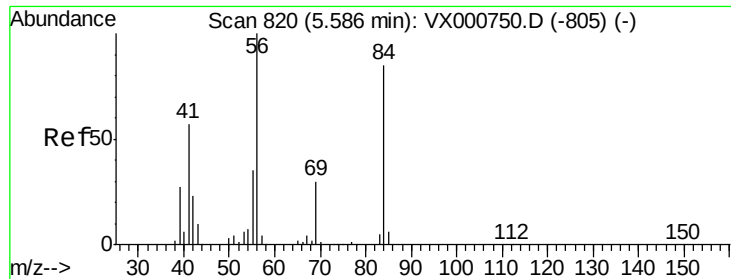
MMDadoda
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#30
Chloroform
Concen: 53.88 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.7	76.1





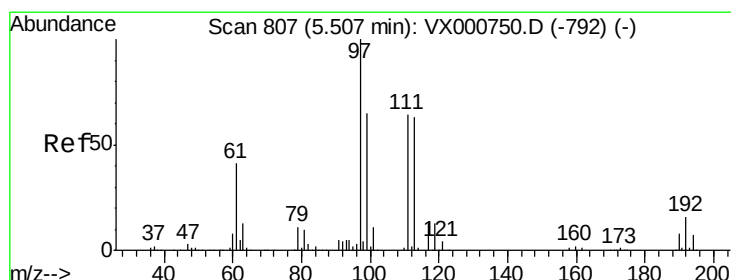
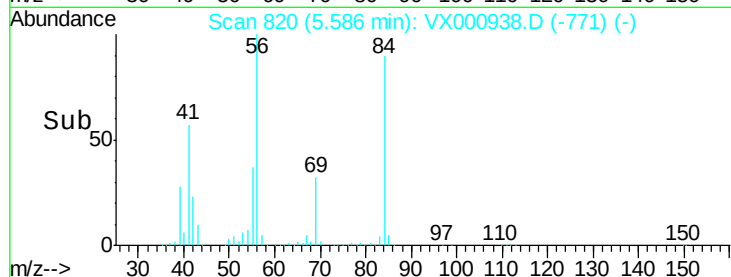
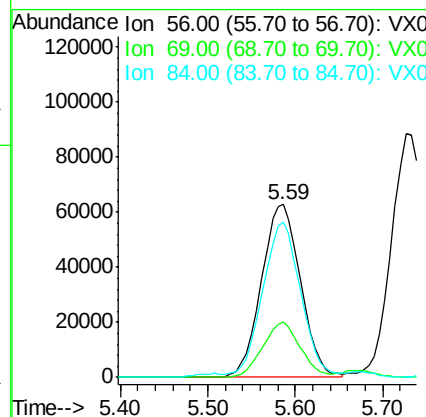
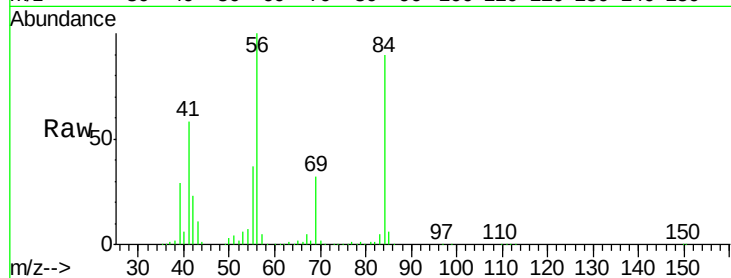
#31
Cyclohexane
Concen: 49.37 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.2	36.4
84	88.7	67.6	101.4

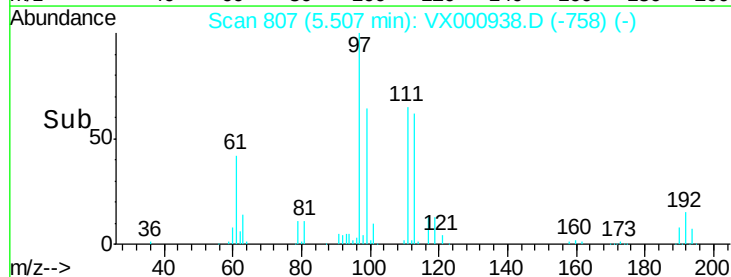
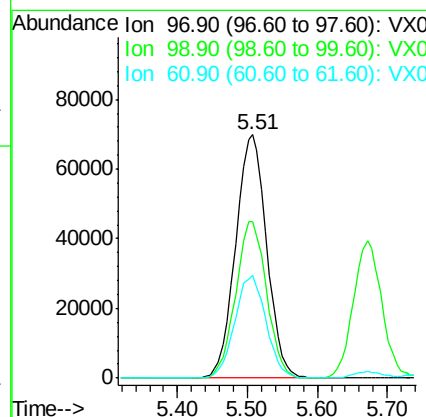
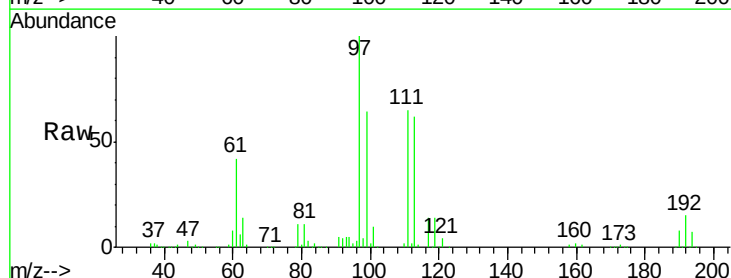
Manual Integrations
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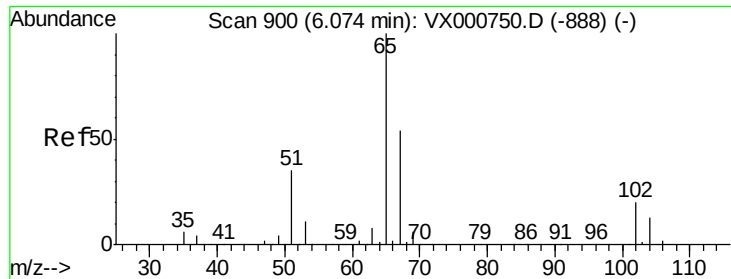
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.20 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.0
61	42.6	33.7	50.5





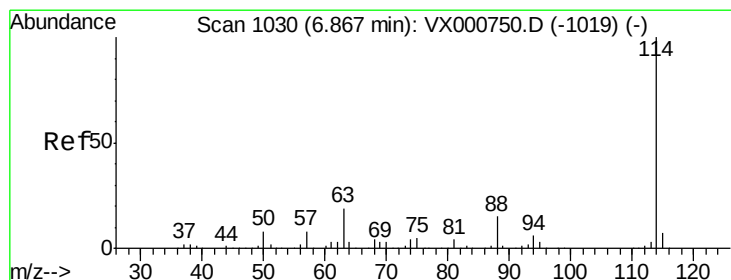
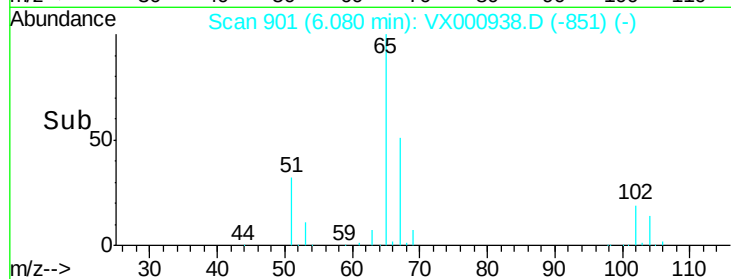
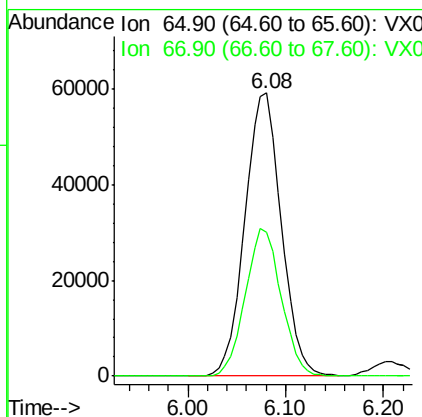
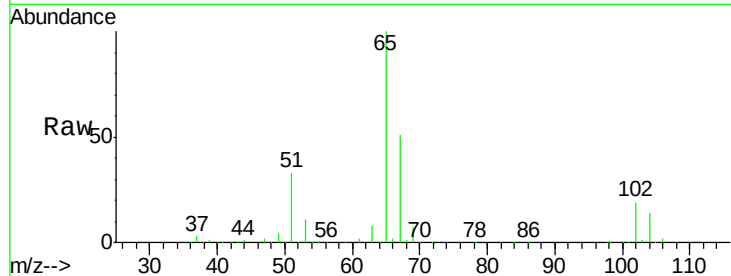
#33
 1,2-Dichloroethane-d4
 Concen: 50.96 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152675		
67	51.4	0.0	103.8	

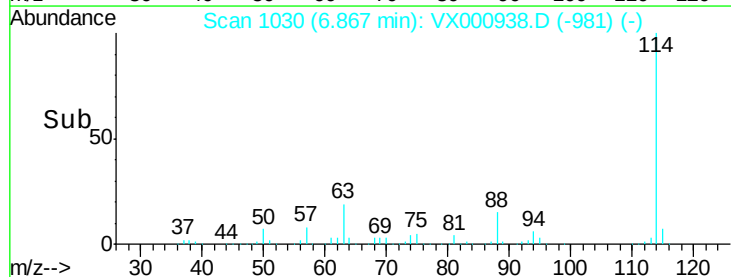
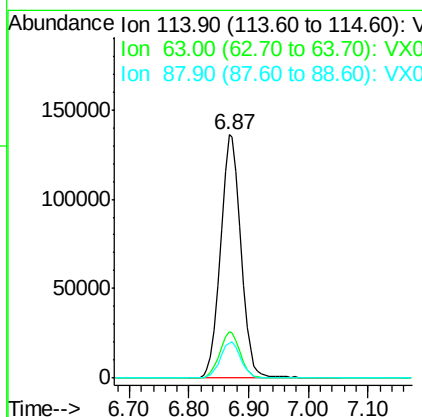
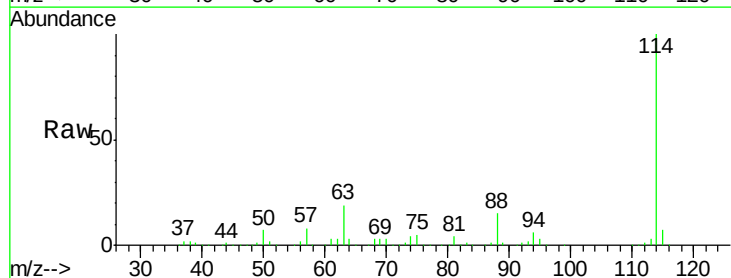
Manual Integrations
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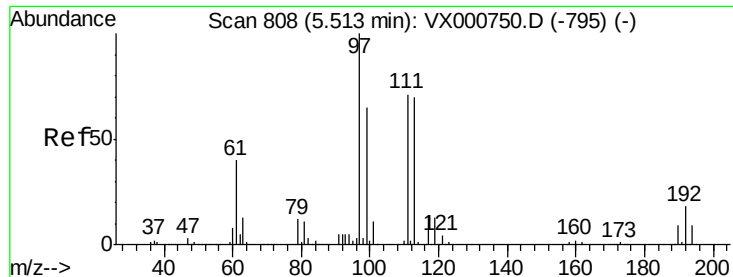
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	324140		
63	19.0	0.0	38.4	
88	14.6	0.0	31.0	





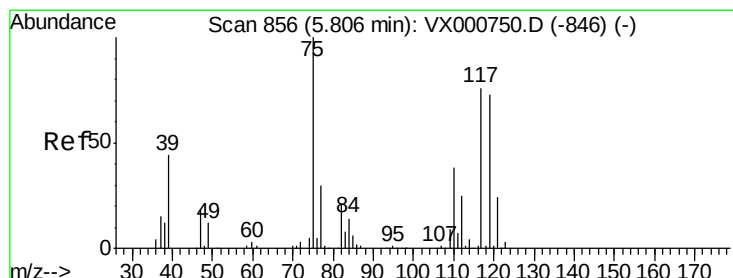
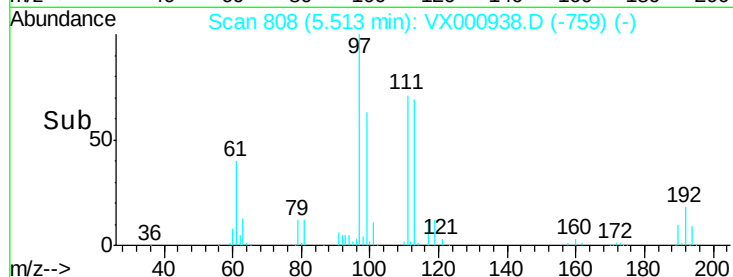
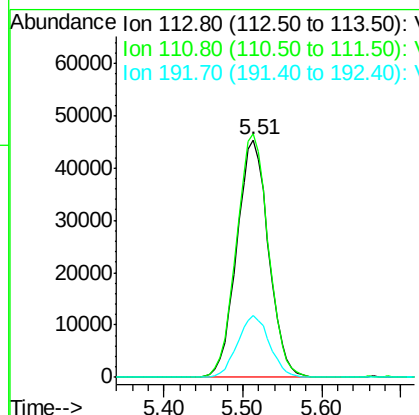
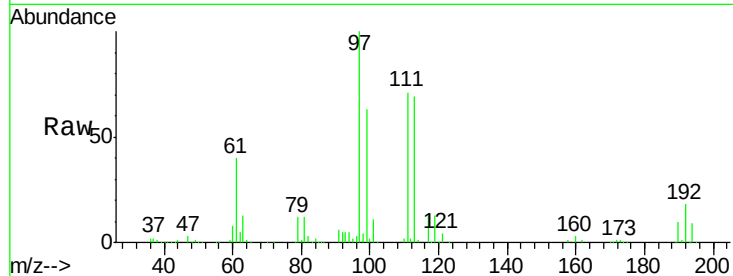
#35
 Dibromofluoromethane
 Concen: 50.96 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127273		
111	103.0	81.5	122.3	
192	26.2	20.4	30.6	

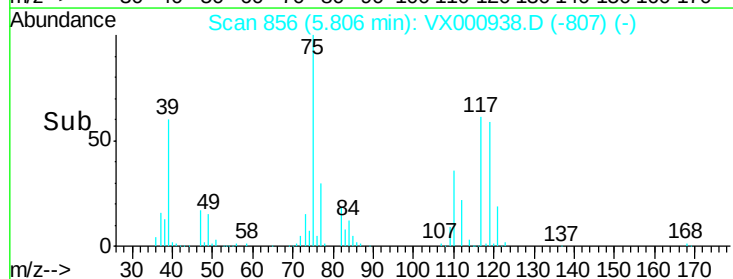
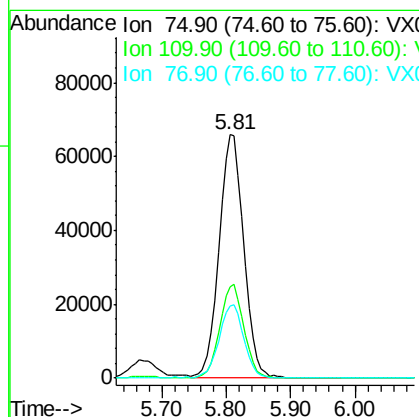
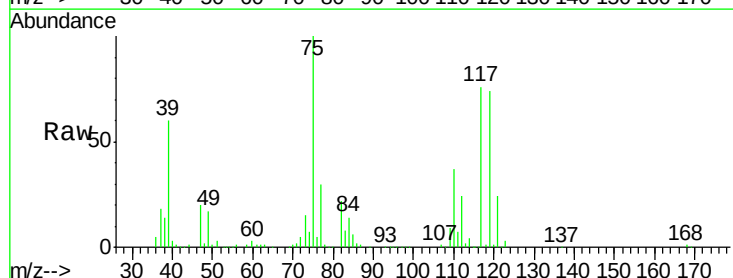
Manual Integrations
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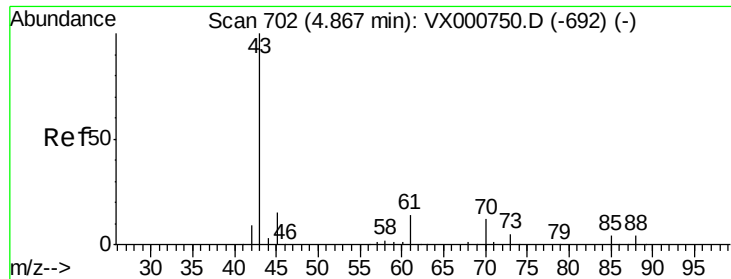
MMDadoda
 4/18/2018 2:45:10 PM



#36
 1,1-Dichloropropene
 Concen: 49.88 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178064		
110	37.7	19.2	57.6	
77	30.5	25.4	38.2	





#37

Ethyl Acetate

Concen: 51.47 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

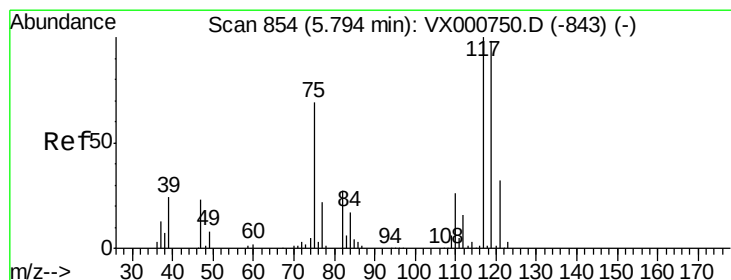
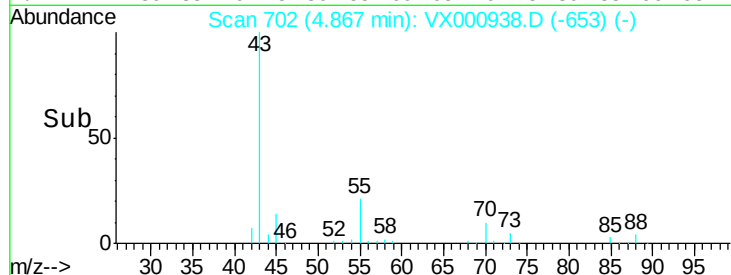
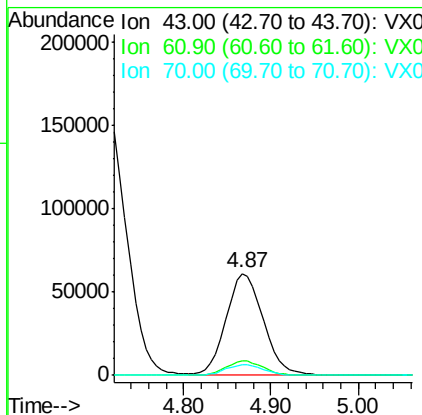
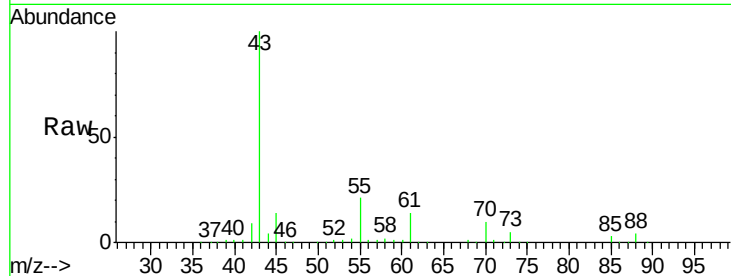
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	179378
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.5	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 46.95 ug/l

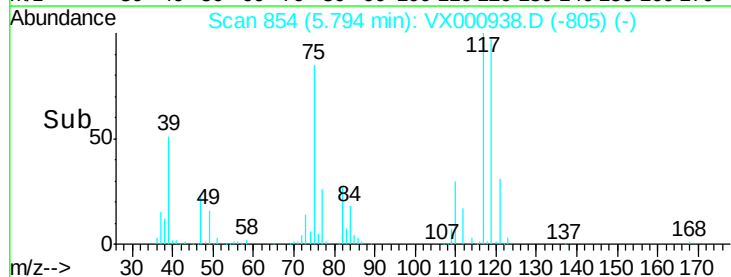
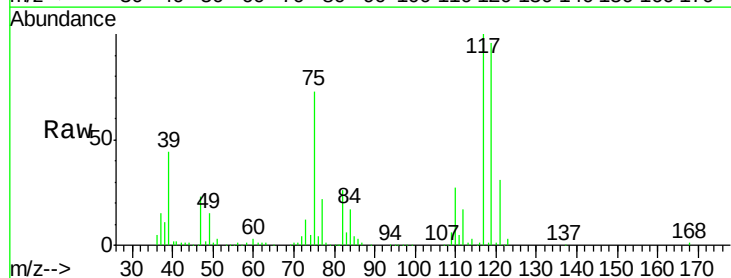
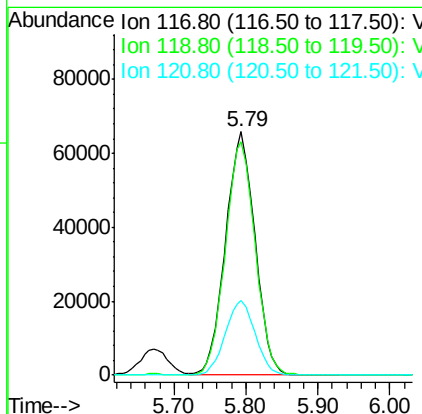
RT: 5.79 min Scan# 854

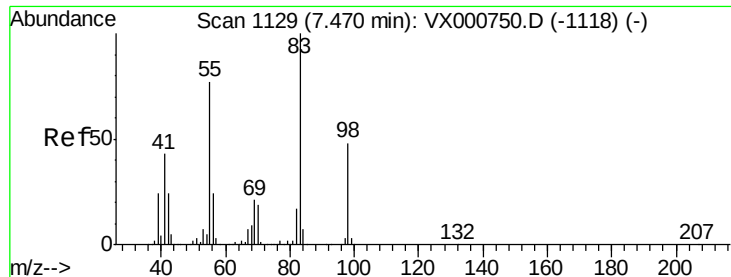
Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Tgt Ion:	117	Resp:	187588
Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.4	117.6
121	30.9	25.4	38.0





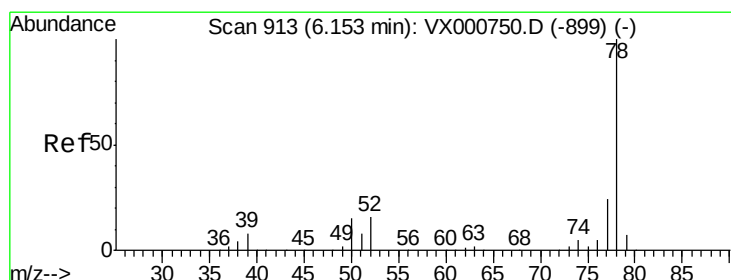
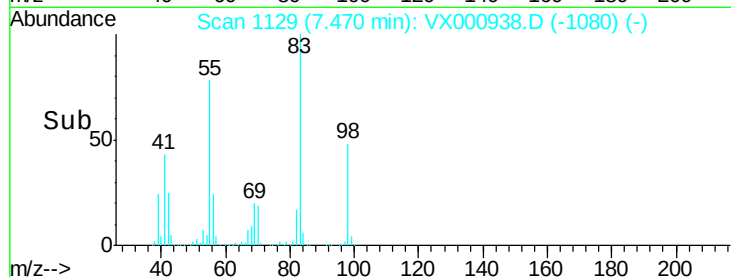
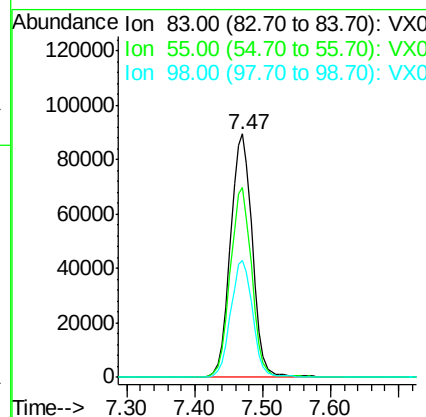
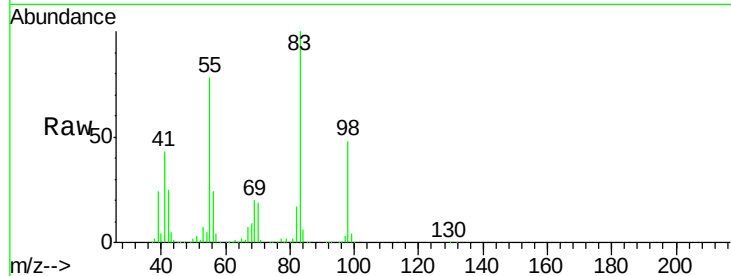
#39
Methylvlcyclohexane
Concen: 46.59 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199730		
55	77.9	61.5	92.3	
98	48.2	38.1	57.1	

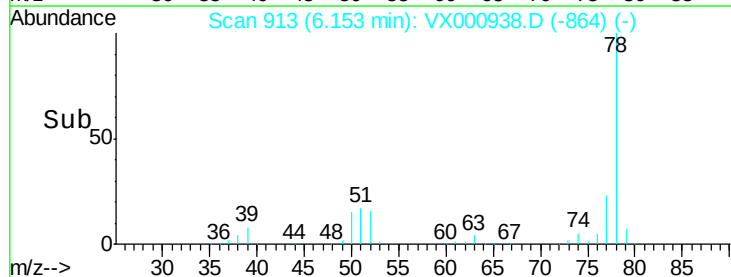
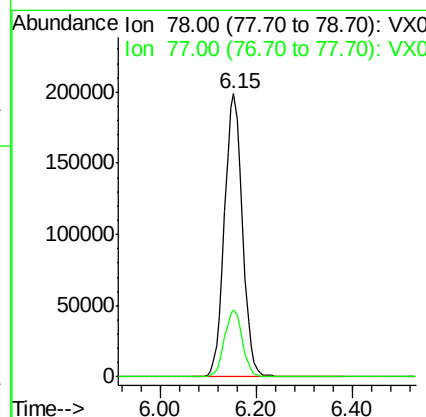
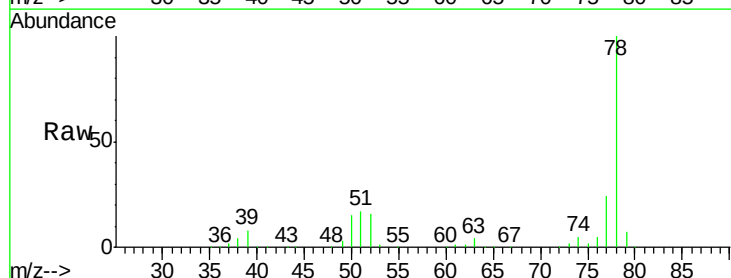
Manual Integrations
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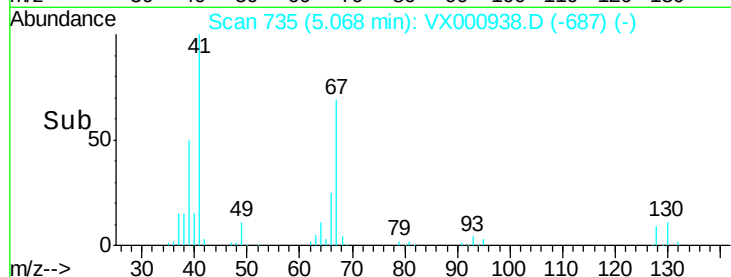
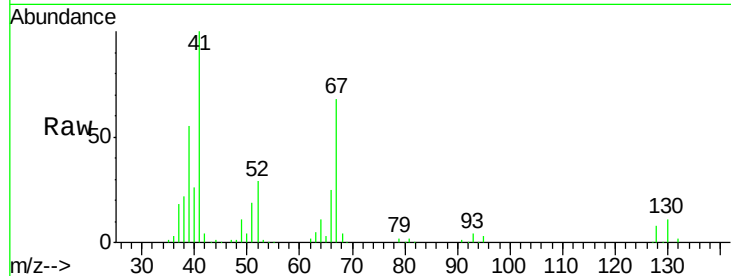
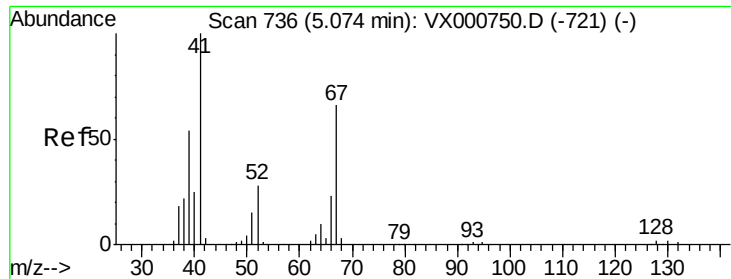
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#40
Benzene
Concen: 52.08 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	516545		
77	23.6	19.0	28.6	





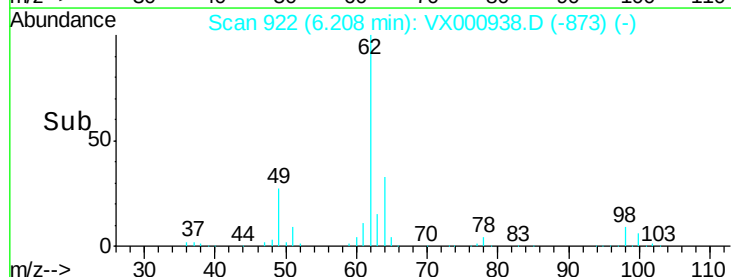
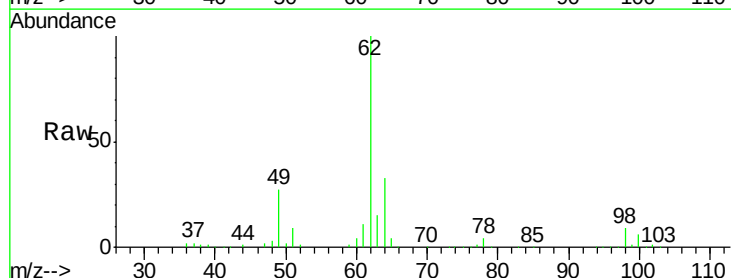
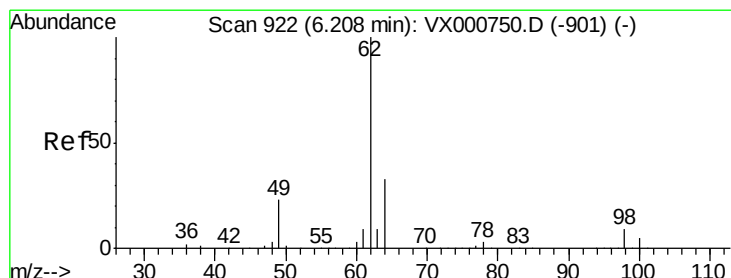
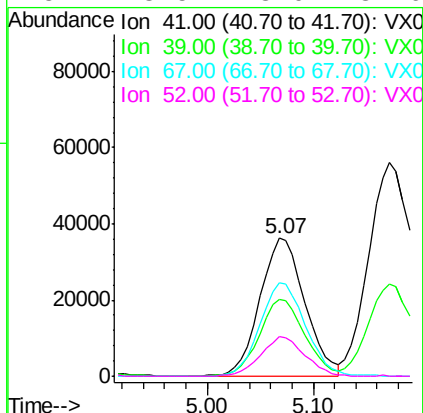
#41
Methacrylonitrile
Concen: 52.86 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		106427		
39	56.1	44.9	67.3		
67	68.9	54.7	82.1		
52	28.5	23.0	34.6		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

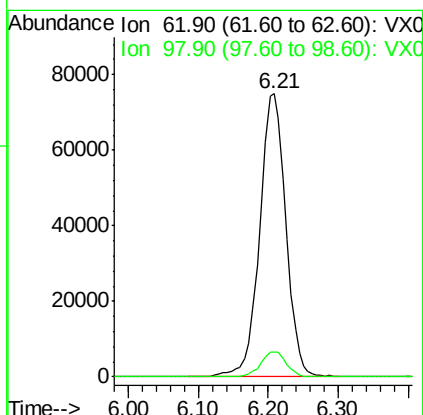
Manual Integrations
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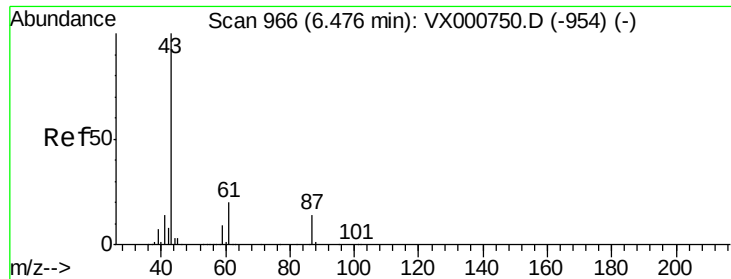
MMDadoda
4/18/2018 2:45:10 PM



#42
1,2-Dichloroethane
Concen: 52.64 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		194997		
98	8.8	0.0	18.6		





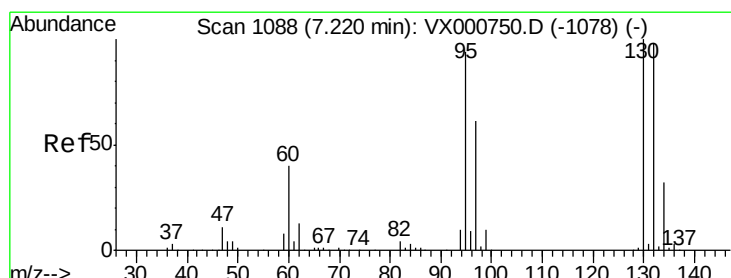
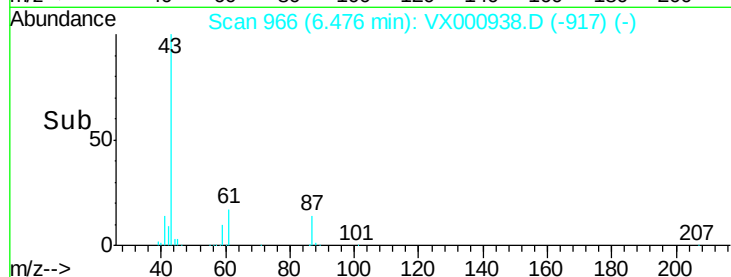
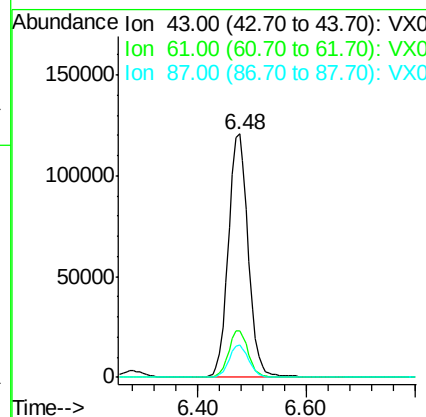
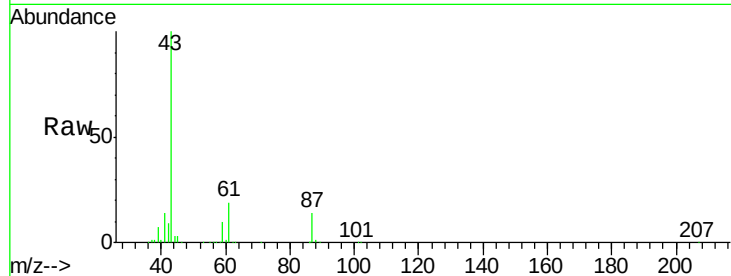
#43
Isopropyl Acetate
Concen: 51.24 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.6	23.4
87	13.3	10.7	16.1

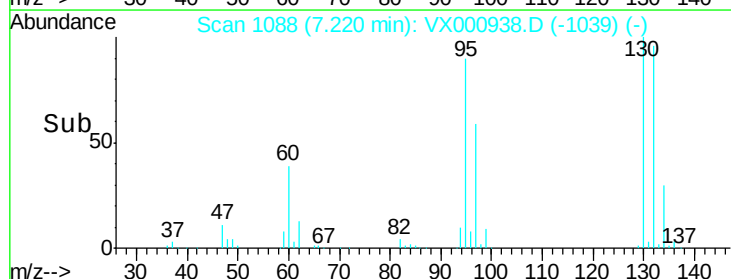
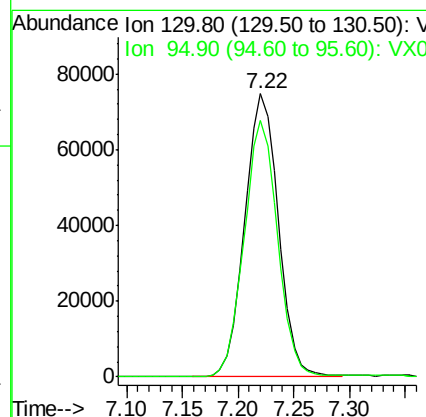
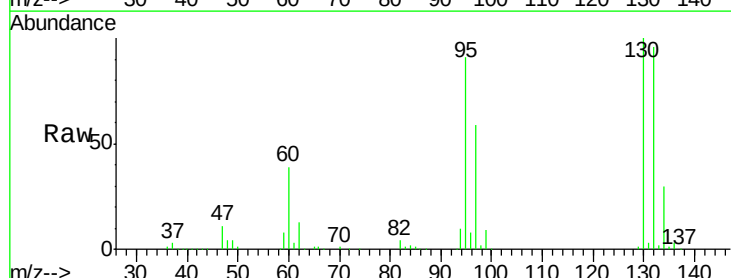
Manual Integrations
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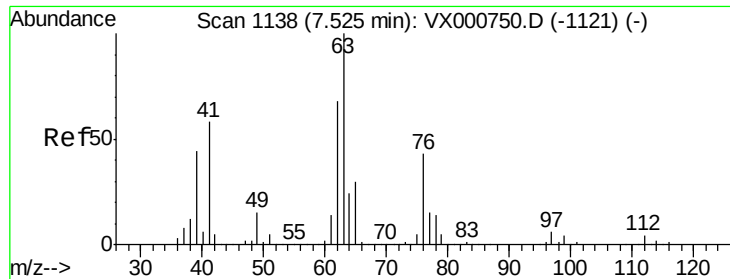
MMDadoda
4/18/2018 2:45:10 PM



#44
Trichloroethene
Concen: 51.03 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	187.0





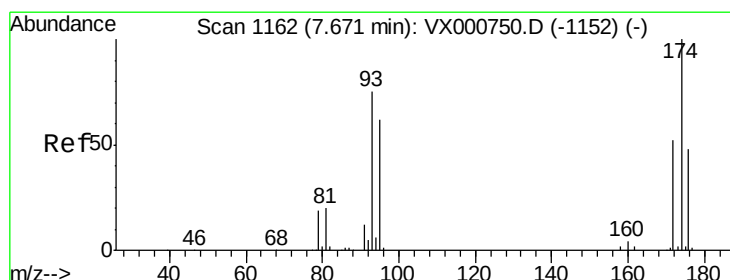
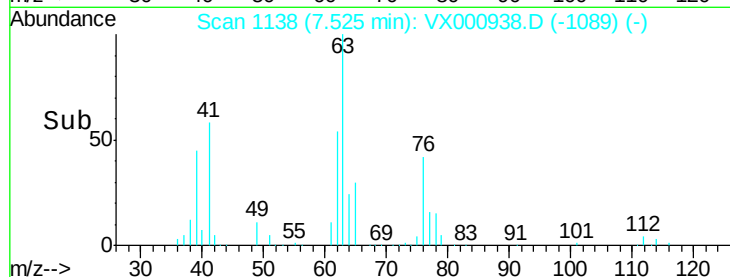
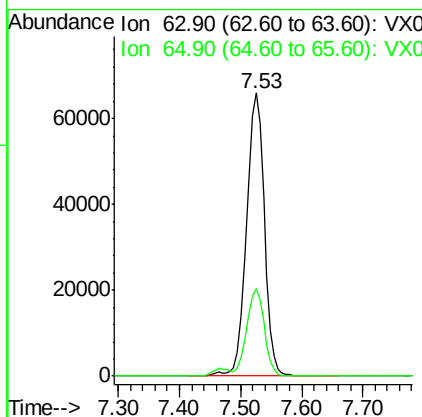
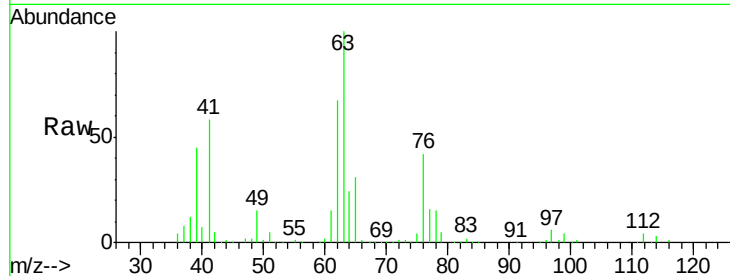
#45
 1,2-Dichloropropane
 Concen: 53.38 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 134824
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.7 35.5

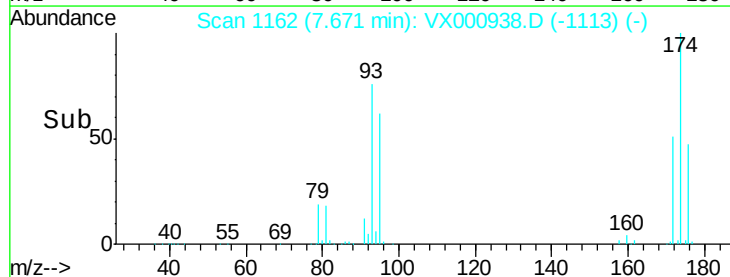
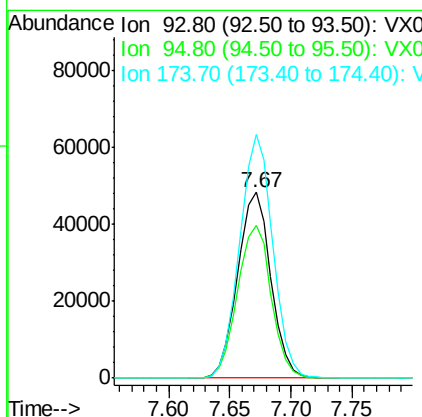
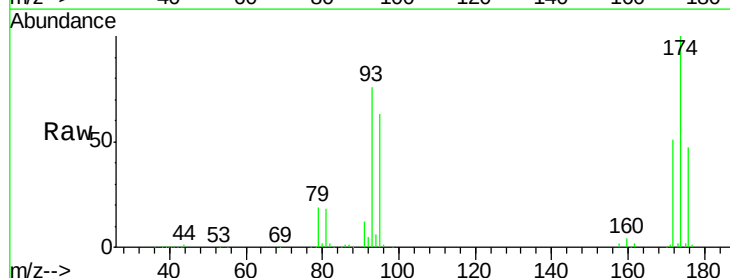
Manual Integrations
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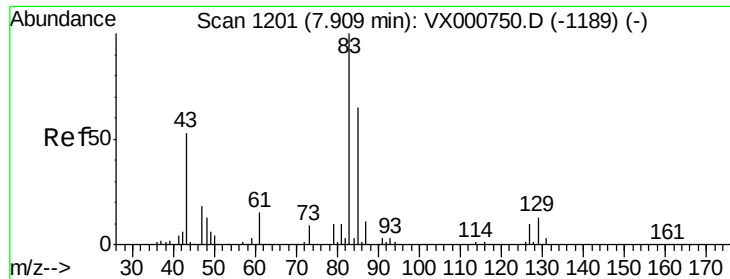
MMDadoda
 4/18/2018 2:45:10 PM



#46
 Dibromomethane
 Concen: 51.83 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion: 93 Resp: 91274
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 130.7 104.5 156.7





#47

Bromodichloromethane

Concen: 49.87 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 177249

Ion Ratio Lower Upper

83 100

85 65.1 52.2 78.4

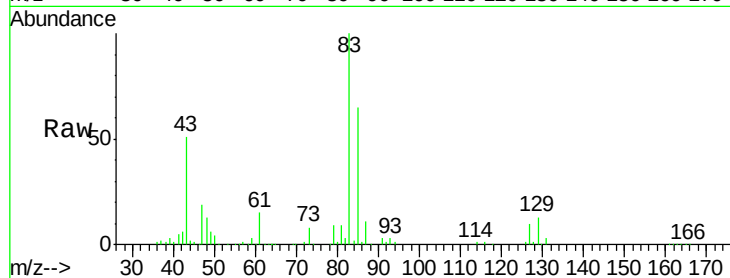
127 9.6 7.8 11.8

Manual Integrations

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MMDadoda

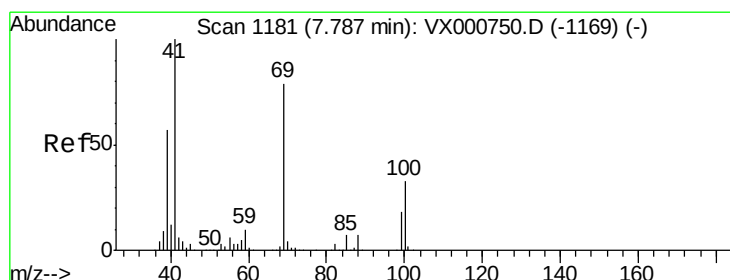
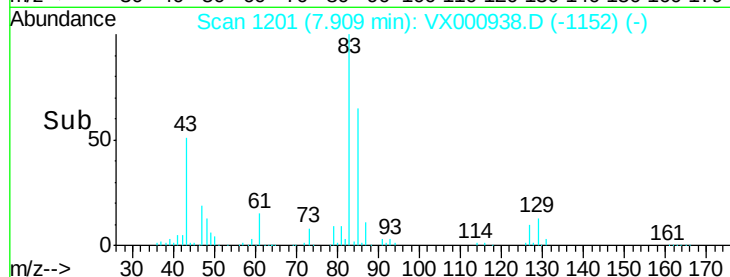
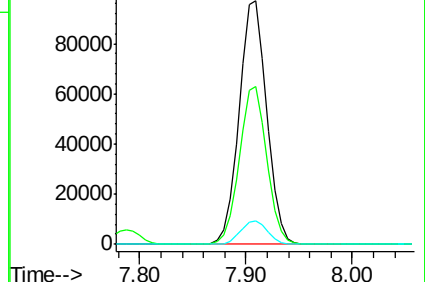
4/18/2018 2:45:10 PM



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: 52.43 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

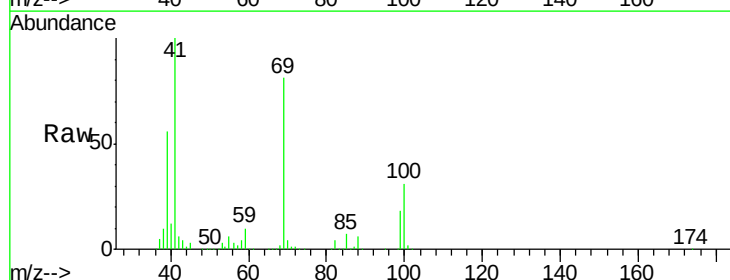
Tgt Ion: 41 Resp: 162376

Ion Ratio Lower Upper

41 100

69 80.1 63.9 95.9

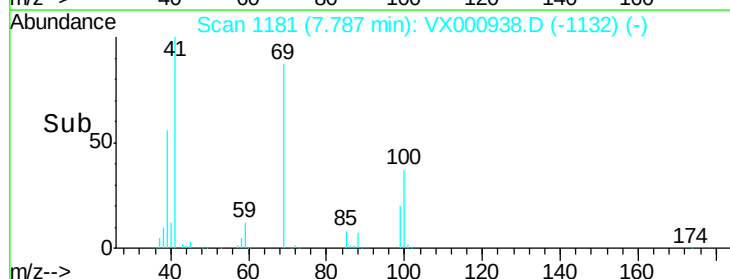
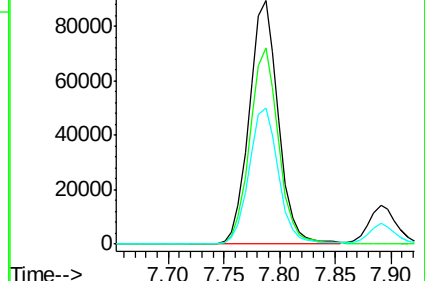
39 56.5 45.9 68.9

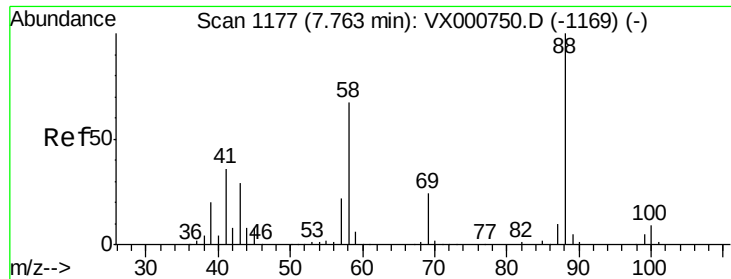


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





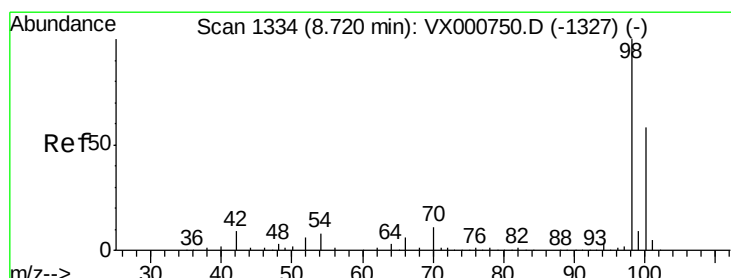
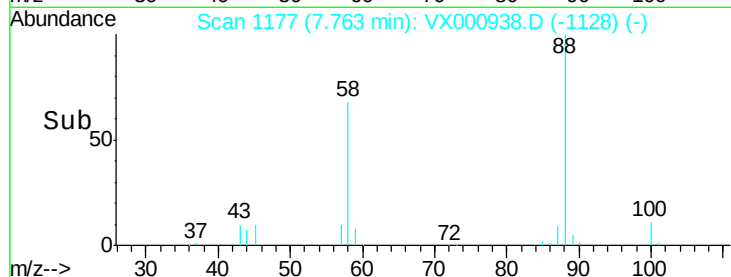
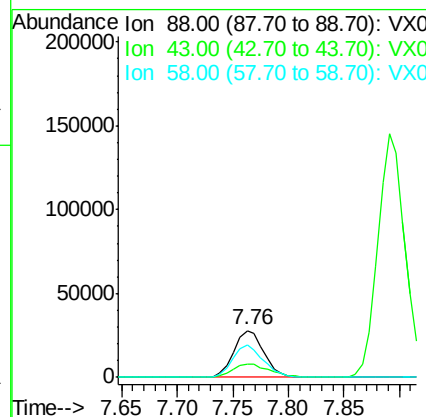
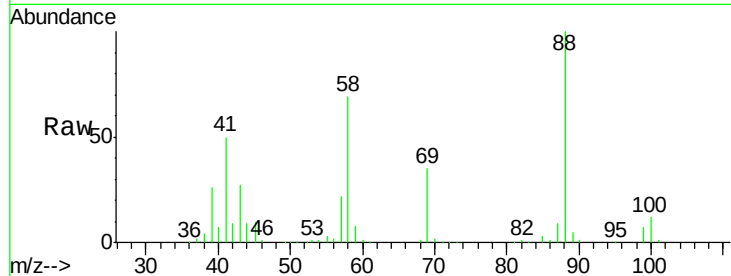
#49
1,4-Dioxane
Concen: 840.97 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	25.8	38.8
58	70.3	54.4	81.6

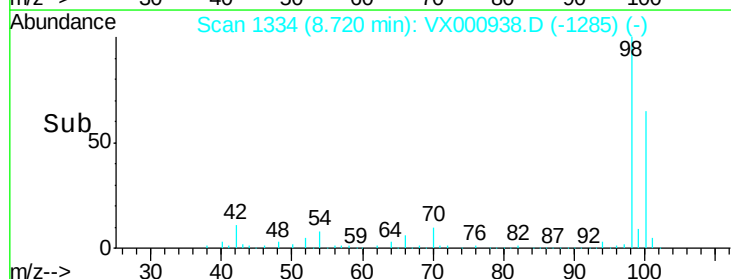
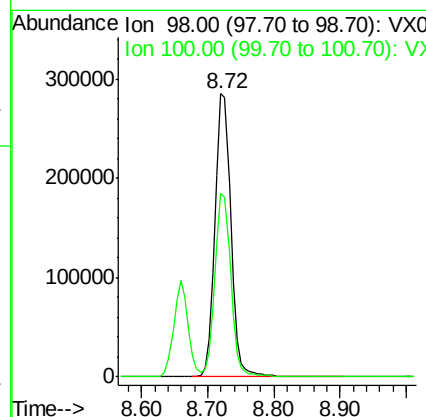
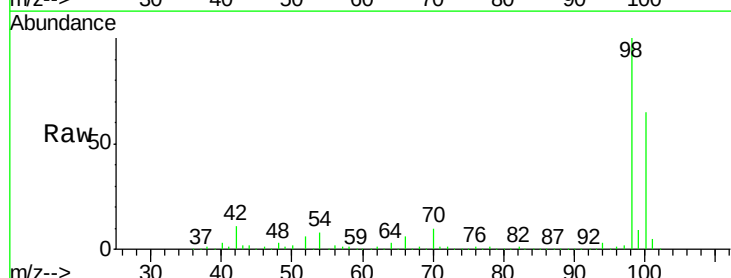
Manual Integrations
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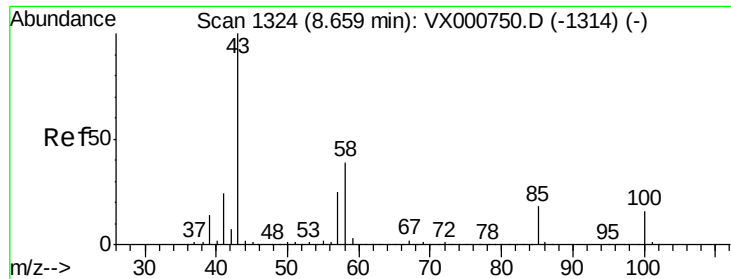
MMDadoda
4/18/2018 2:45:10 PM



#50
Toluene-d8
Concen: 50.87 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 270.30 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 948671

Ion Ratio Lower Upper

43 100

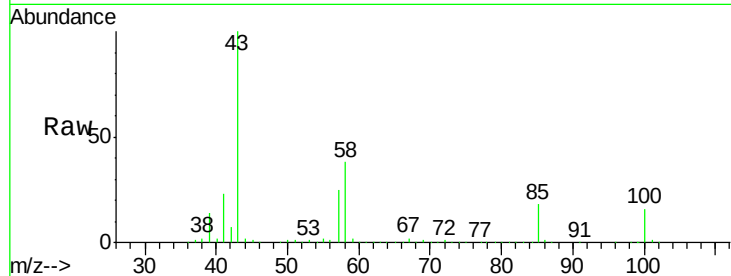
58 38.7 30.3 45.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

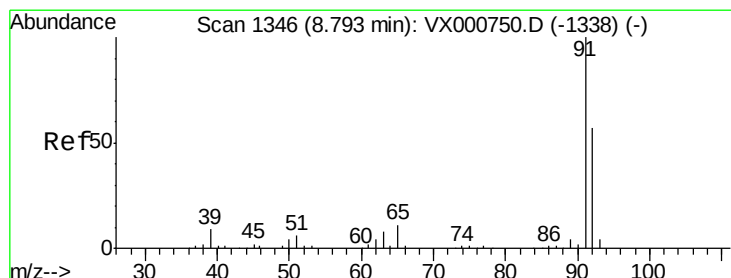
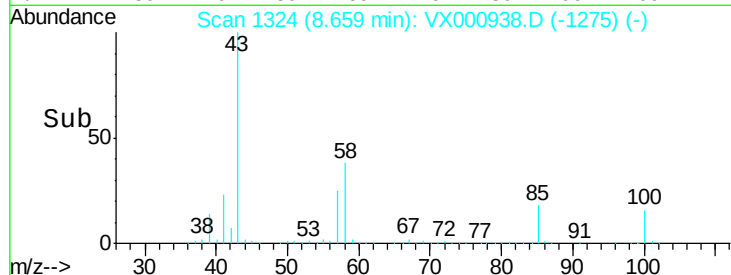
400000

200000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 51.65 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX000938.D

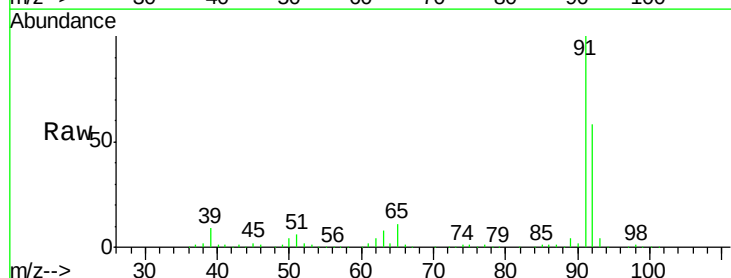
Acq: 16 Apr 2018 23:29

Tgt Ion: 92 Resp: 339861

Ion Ratio Lower Upper

92 100

91 174.3 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

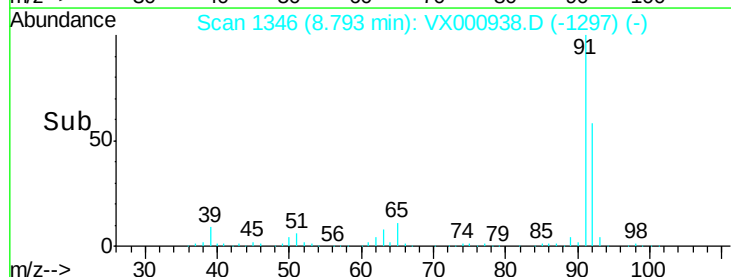
200000

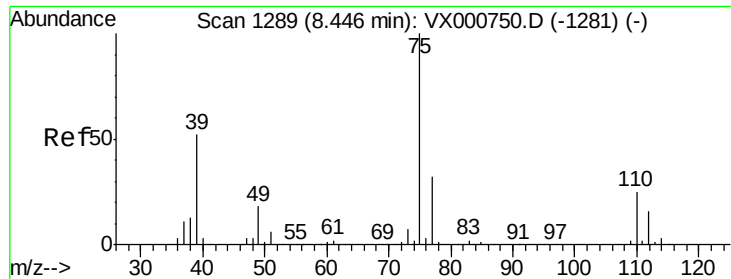
100000

0

8.70 8.80 8.90 9.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.60 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Tot Ion: 75 Resp: 211452

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2

Instrument :

MSVOA_X

ClientSampleId :

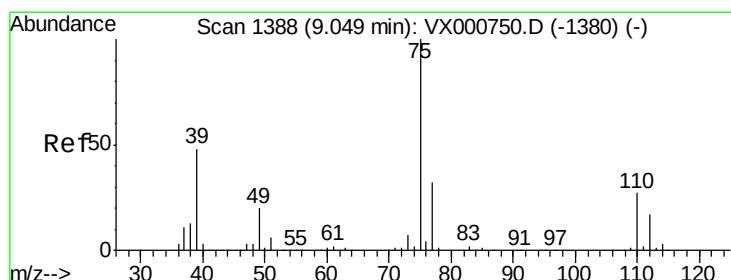
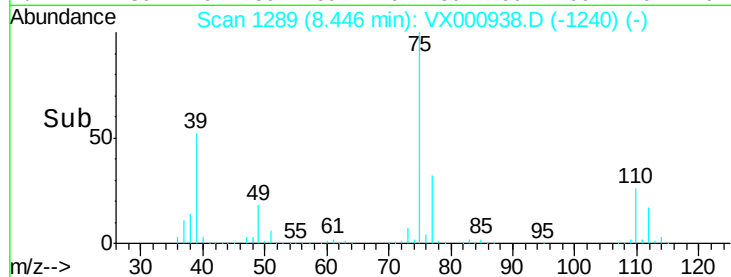
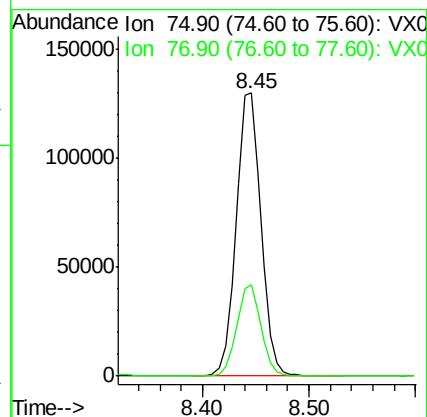
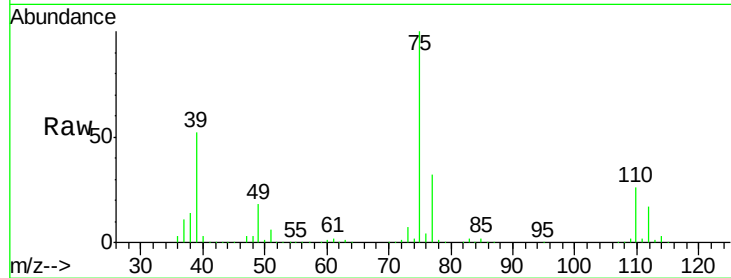
VSTDCCC050EC

Manual Integrations

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MMDadoda

4/18/2018 2:45:10 PM



#54

cis-1,3-Dichloropropene

Concen: 48.60 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

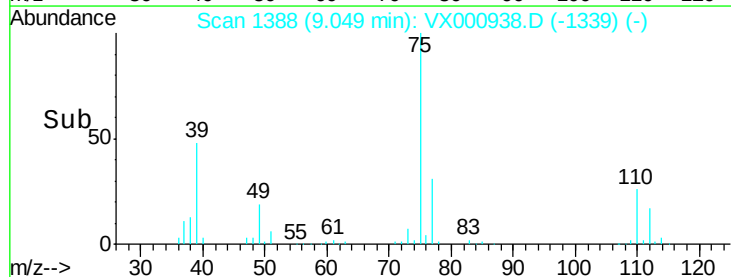
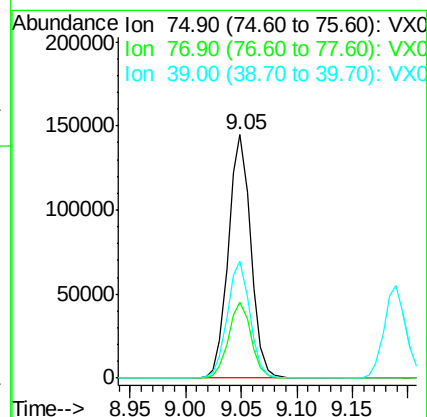
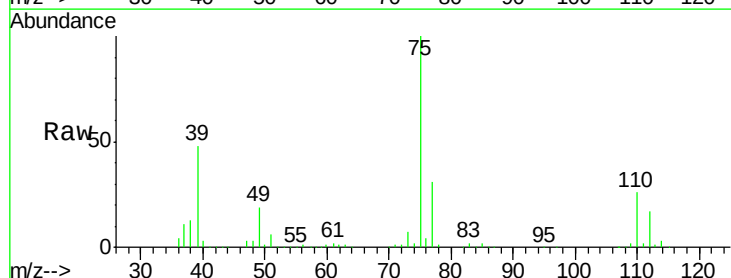
Tgt Ion: 75 Resp: 201761

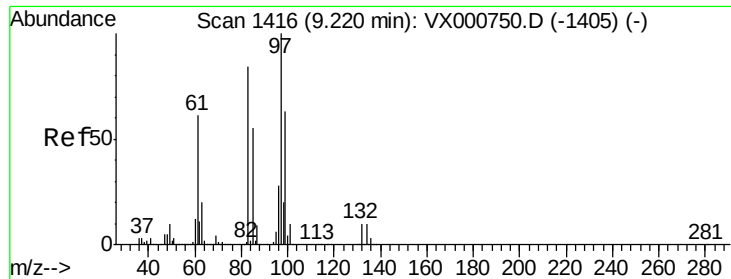
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2

39 47.8 38.6 58.0





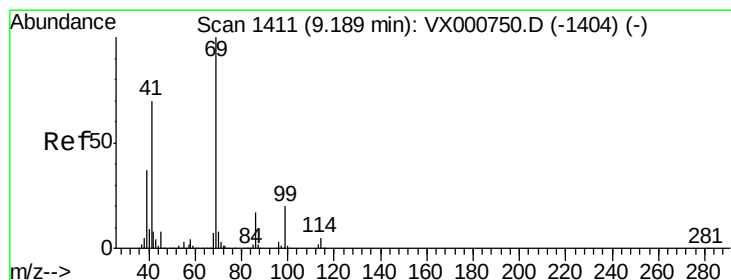
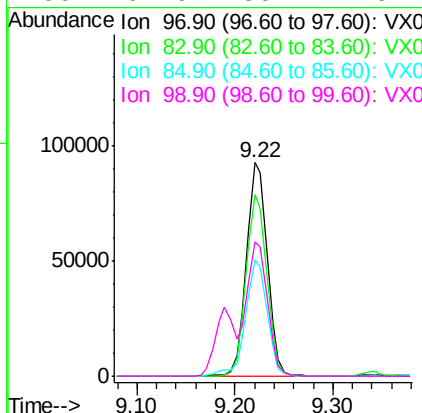
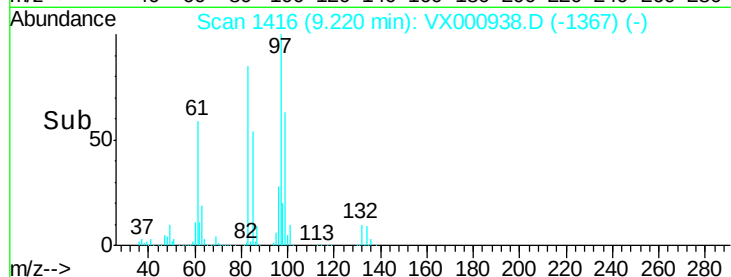
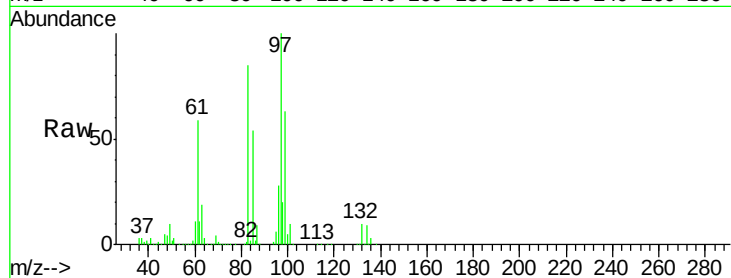
#55
 1,1,2-Trichloroethane
 Concen: 52.86 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	138099
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.6	101.4
85	54.3	43.8	65.6
99	62.9	50.2	75.4

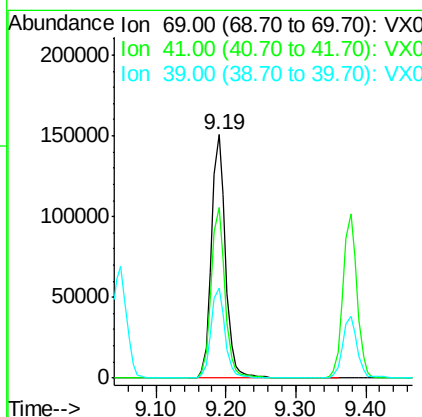
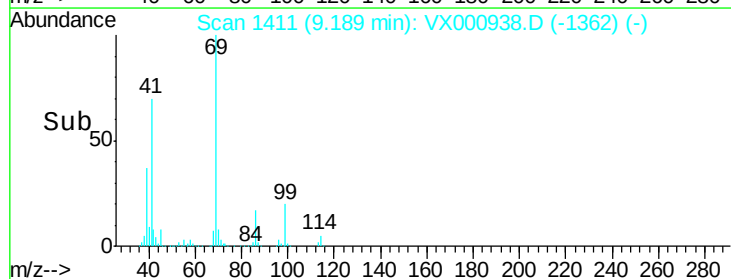
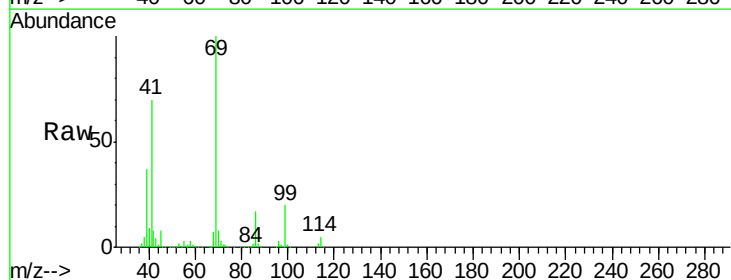
Manual Integrations
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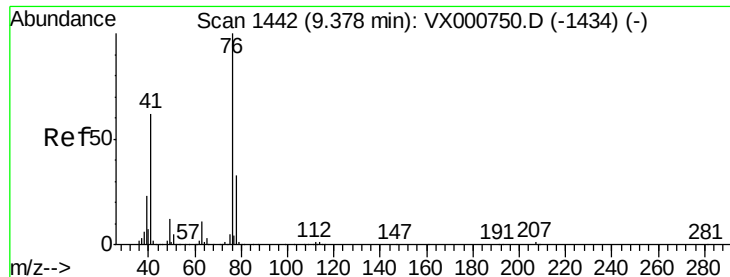
MMDadoda
 4/18/2018 2:45:10 PM



#56
 Ethyl methacrylate
 Concen: 52.25 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion:	69	Resp:	210573
Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.6	83.4
39	37.2	30.3	45.5





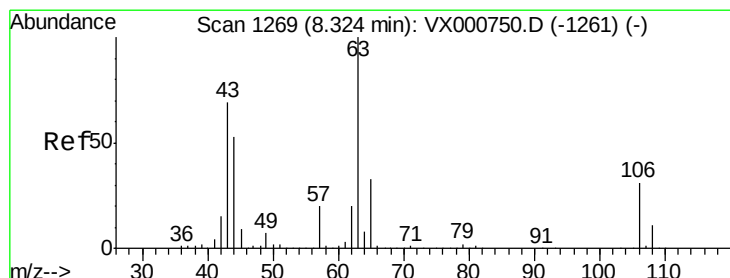
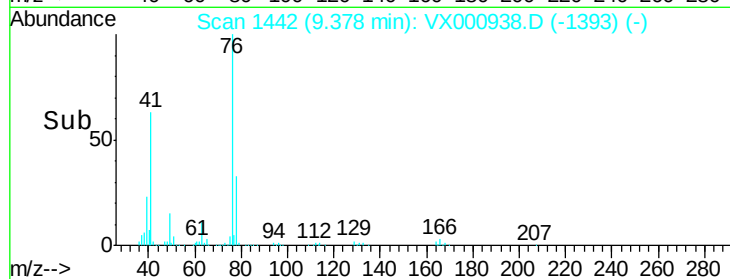
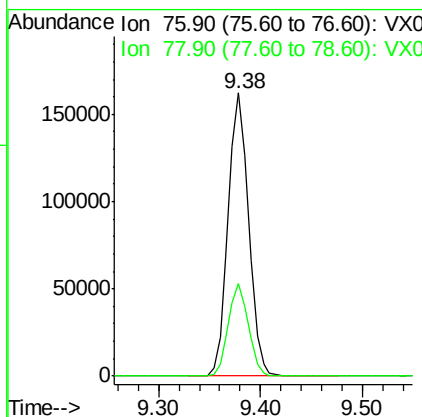
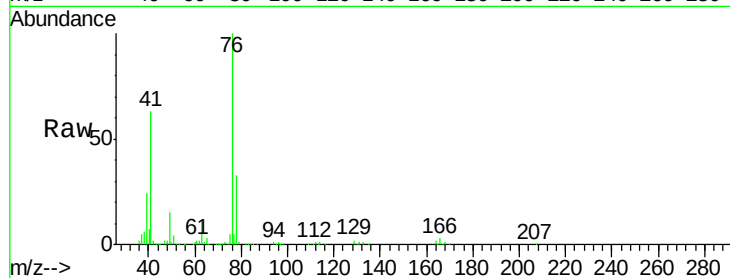
#57
 1,3-Dichloropropane
 Concen: 54.24 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.6

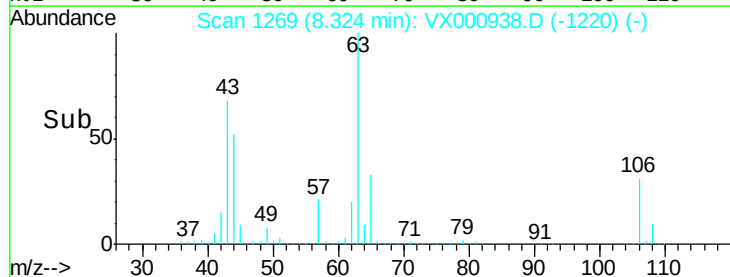
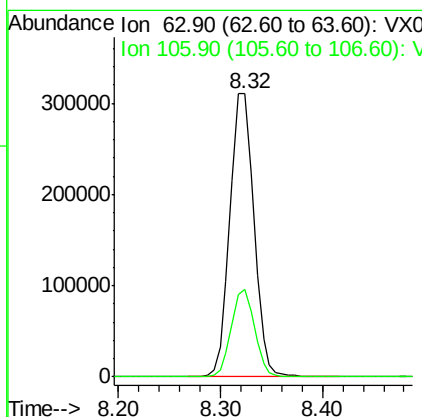
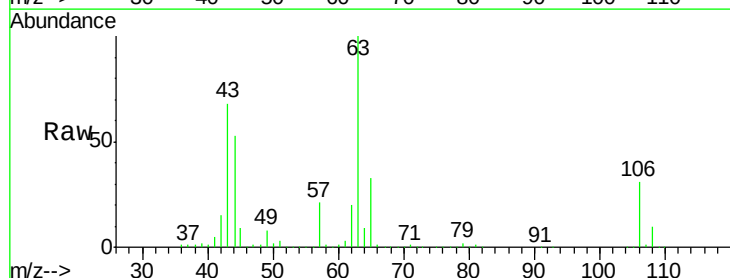
Manual Integrations
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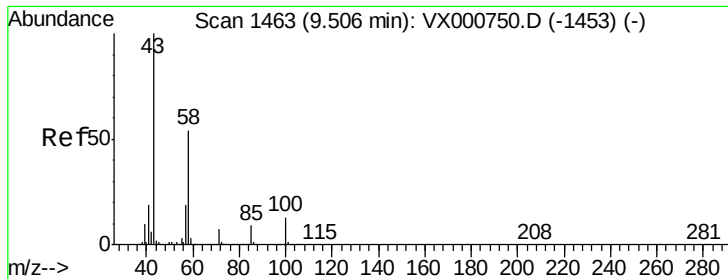
MMDadoda
 4/18/2018 2:45:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.17 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.0	24.3	36.5





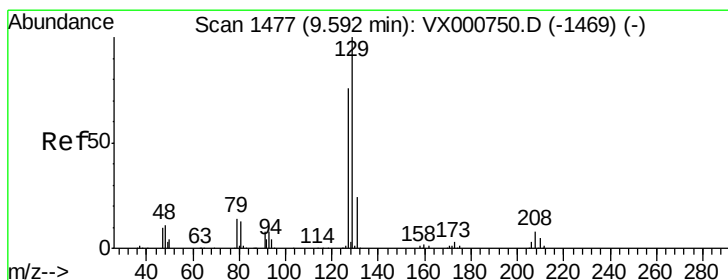
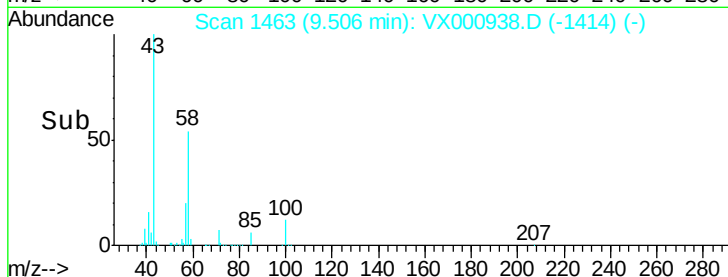
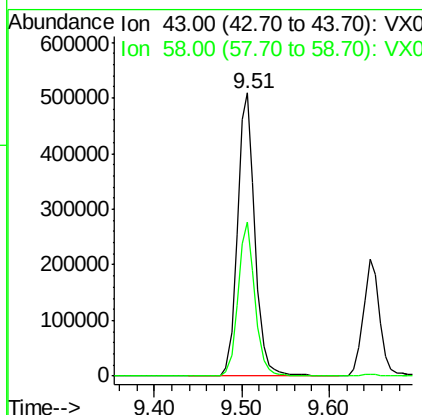
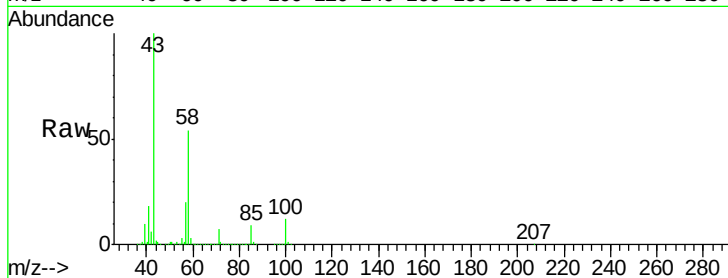
#59
2-Hexanone
Concen: 262.08 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 710094
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.5

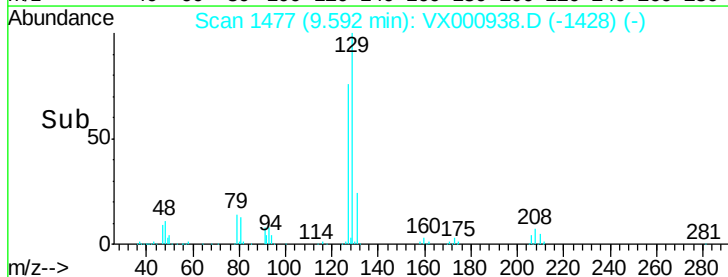
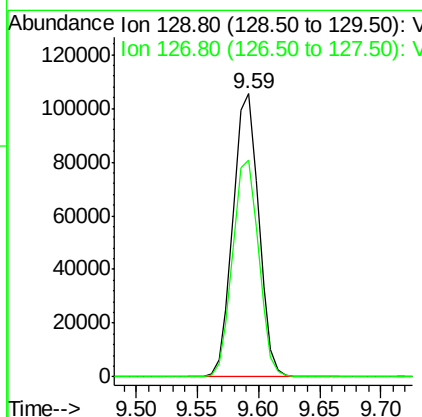
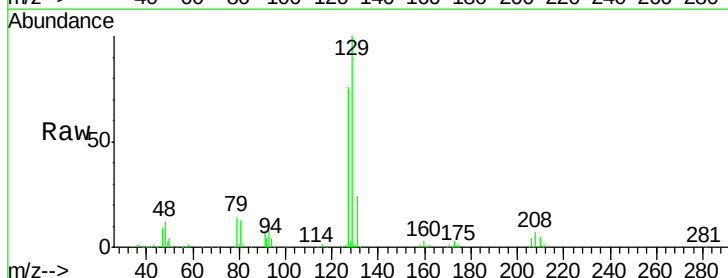
Manual Integrations
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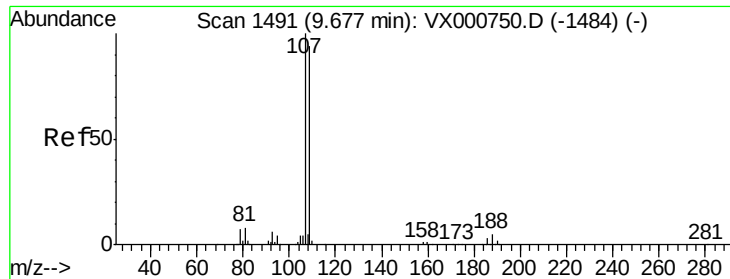
MMDadoda
4/18/2018 2:45:10 PM



#60
Dibromochloromethane
Concen: 49.03 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion: 129 Resp: 153265
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.94 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 146724

Ion Ratio Lower Upper

107 100

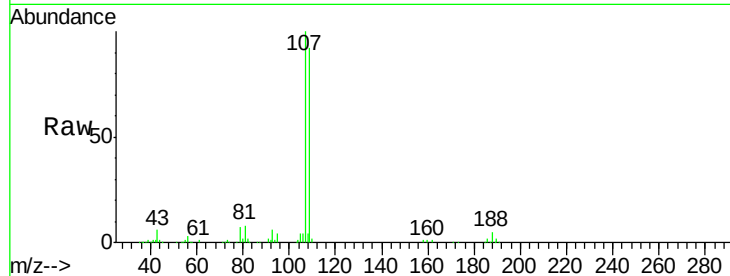
109 94.6 76.2 114.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

120000

100000

80000

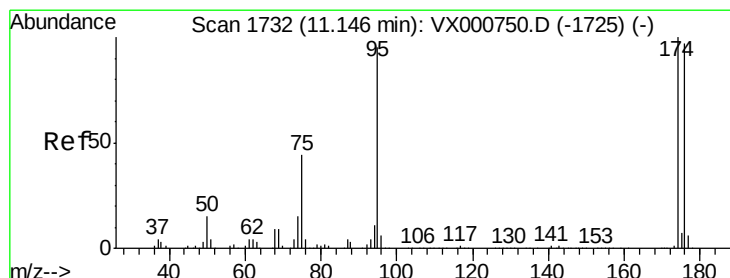
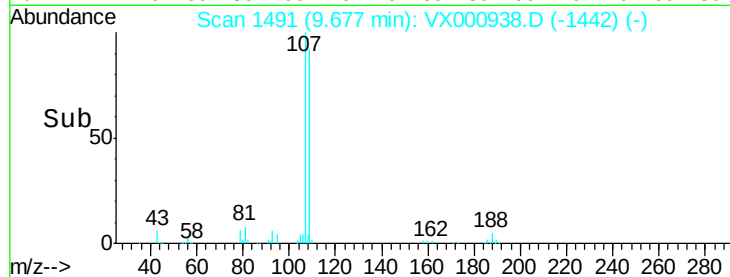
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

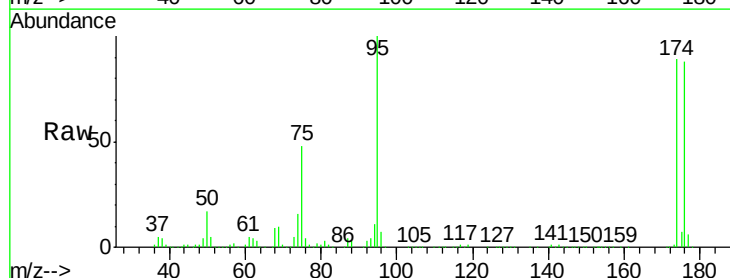
Tgt Ion: 95 Resp: 195340

Ion Ratio Lower Upper

95 100

174 98.2 0.0 198.4

176 96.3 0.0 194.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

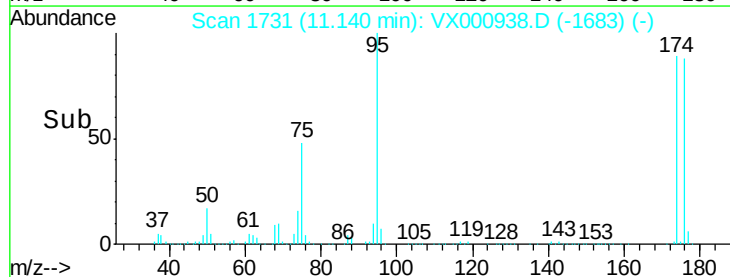
150000

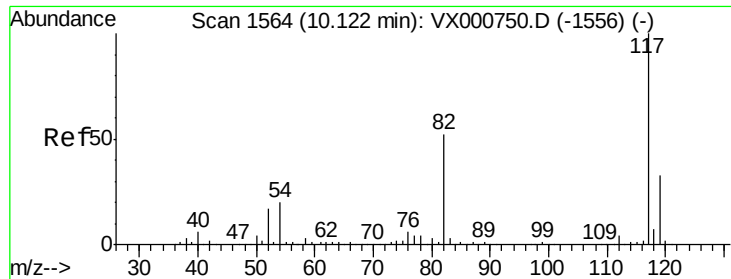
100000

50000

0

Time-->





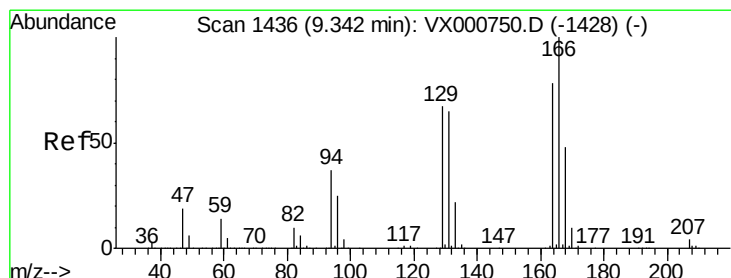
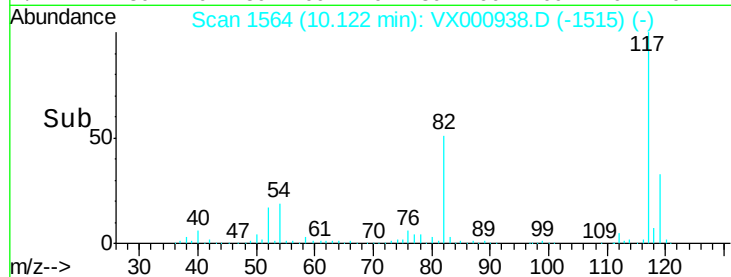
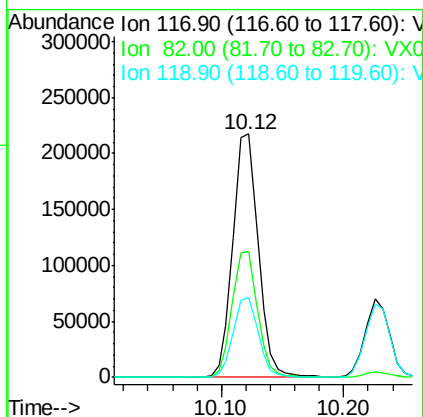
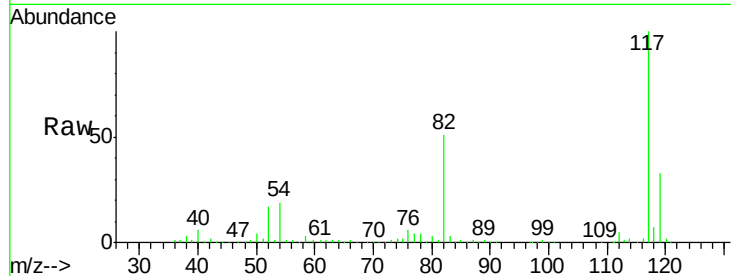
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.9	62.9
119	32.6	26.0	39.0

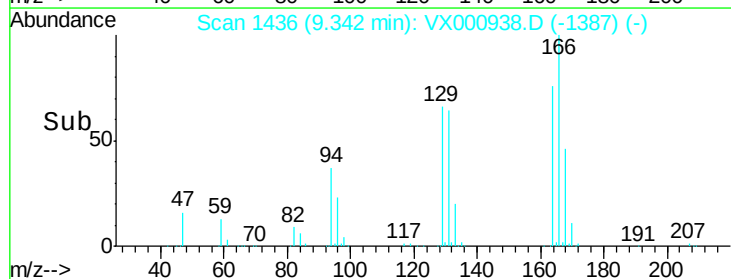
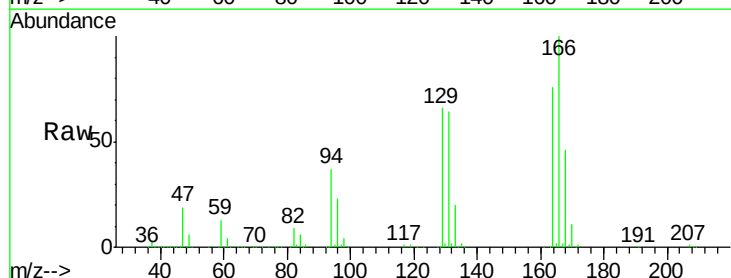
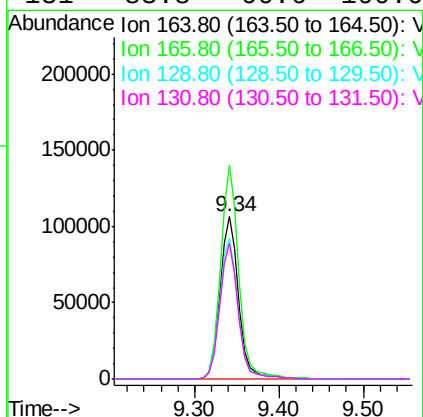
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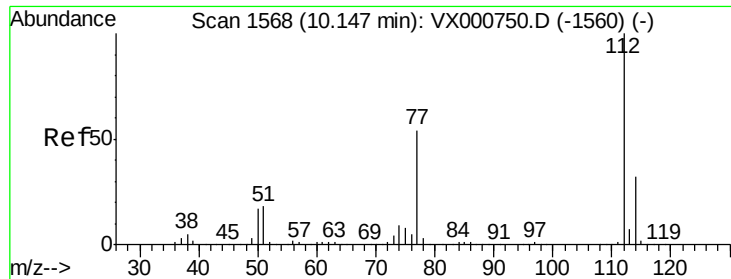
MMDadoda
4/18/2018 2:45:10 PM



#64
Tetrachloroethene
Concen: 52.89 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	102.8	154.2
129	87.0	68.5	102.7
131	83.8	66.6	100.0





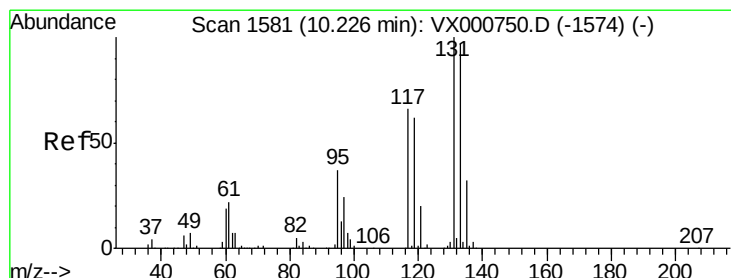
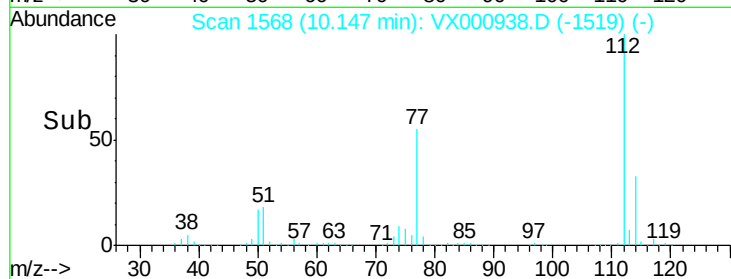
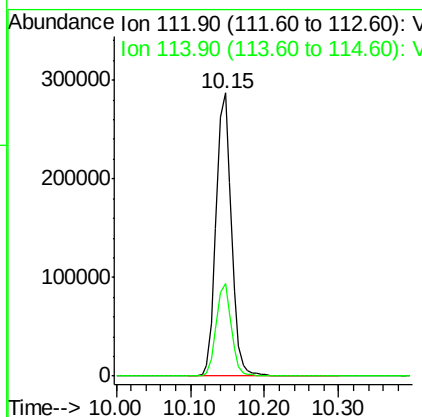
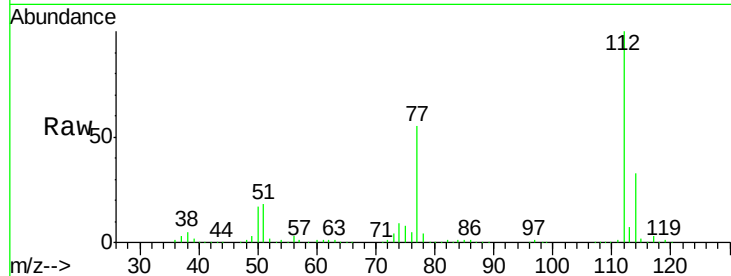
#65
Chlorobenzene
Concen: 51.58 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 405620
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8

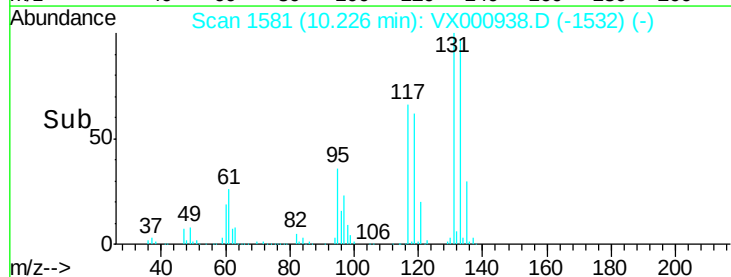
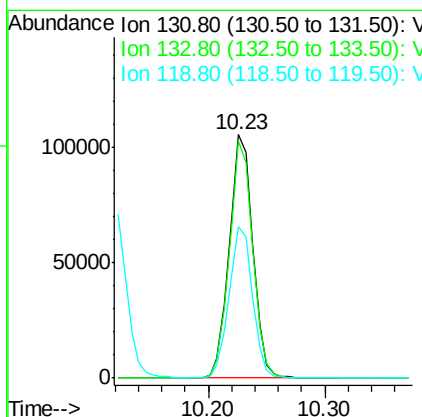
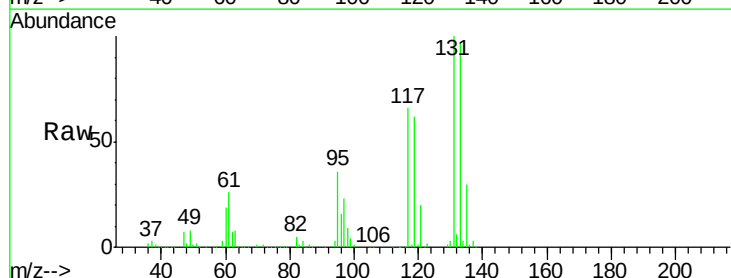
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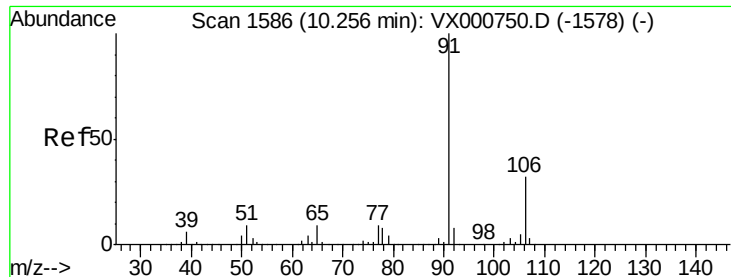
MMDadoda
4/18/2018 2:45:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.19 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion:131 Resp: 148553
Ion Ratio Lower Upper
131 100
133 96.4 48.3 144.9
119 62.2 31.4 94.0





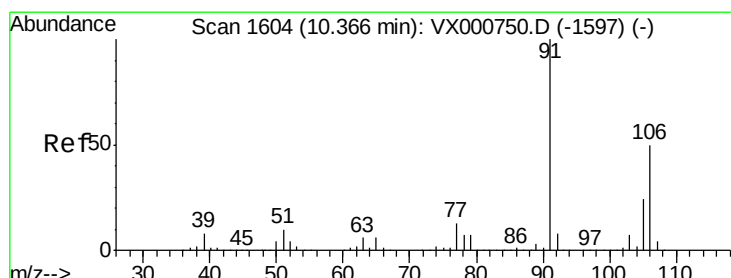
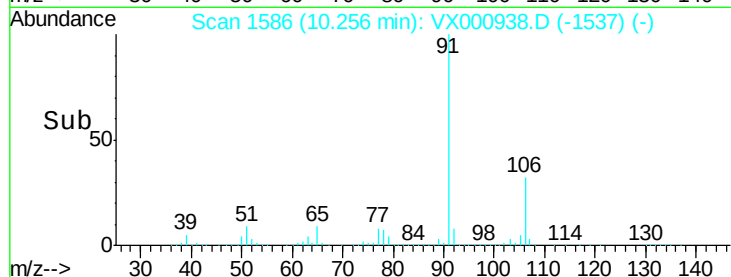
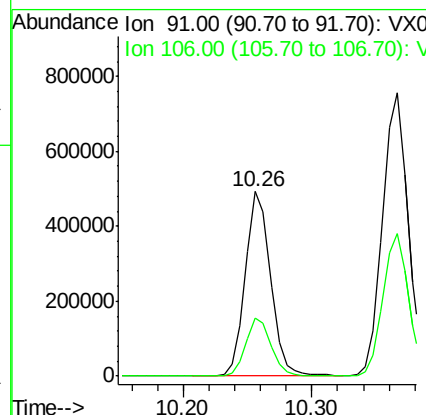
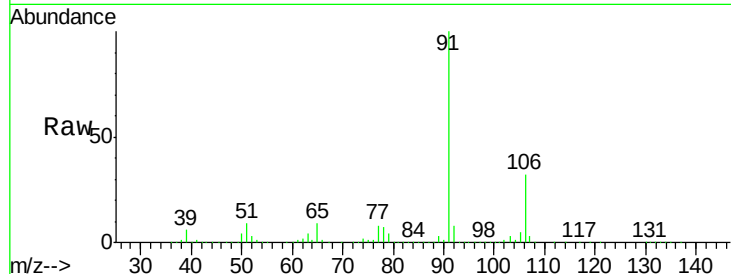
#67
Ethyl Benzene
Concen: 51.04 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 669263
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

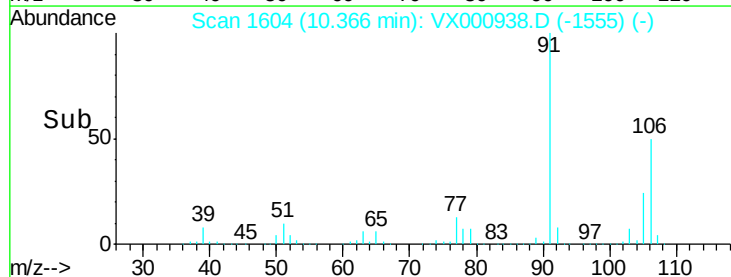
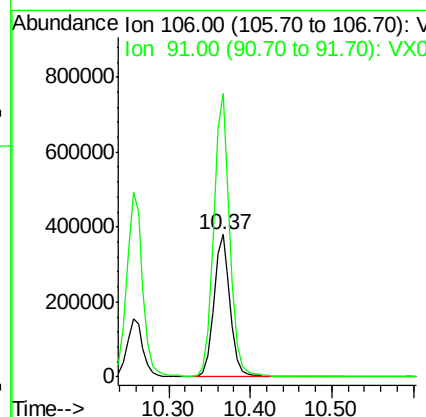
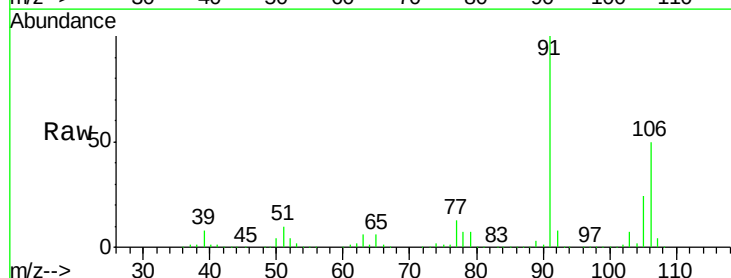
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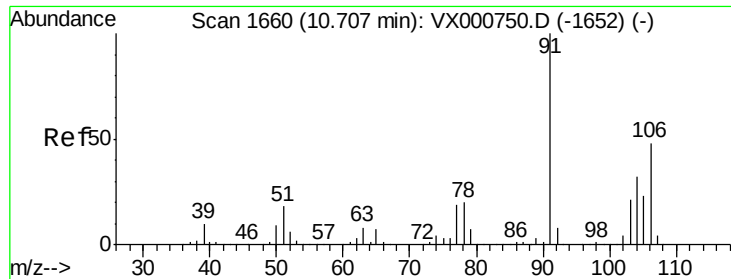
MMDadoda
4/18/2018 2:45:10 PM



#68
m/p-Xylenes
Concen: 102.57 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion: 106 Resp: 530824
Ion Ratio Lower Upper
106 100
91 198.5 159.3 238.9





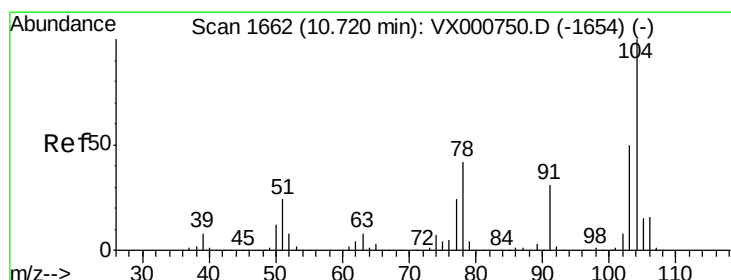
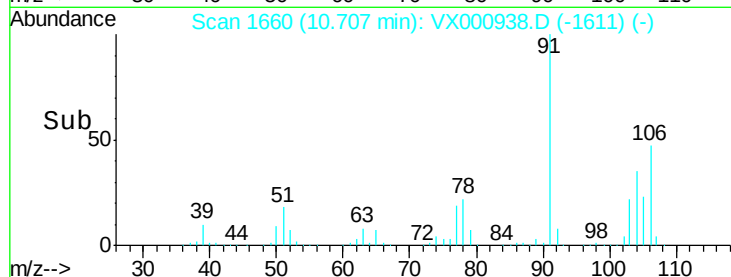
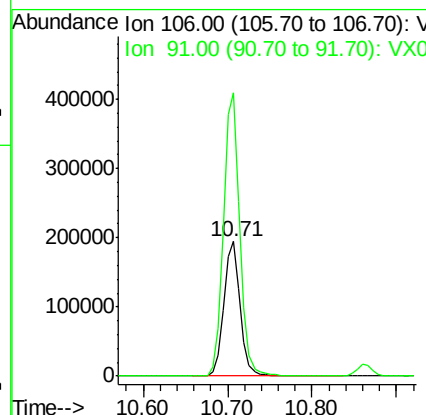
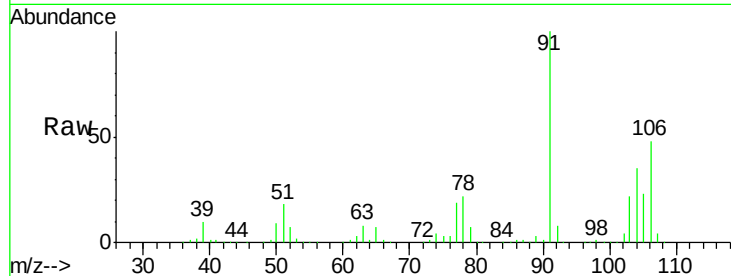
#69
o-Xylene
Concen: 51.78 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 258289
Ion Ratio Lower Upper
106 100
91 211.4 105.0 315.0

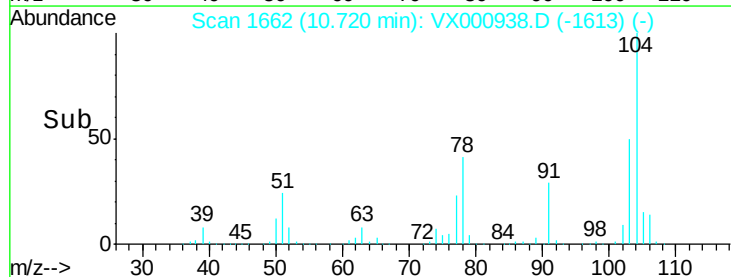
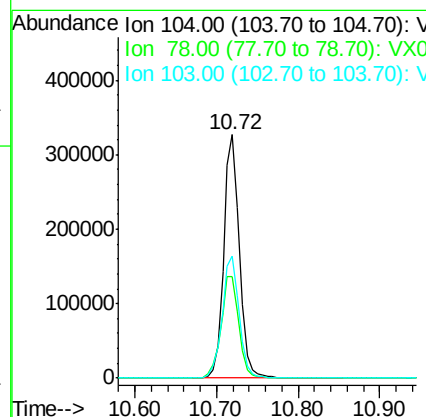
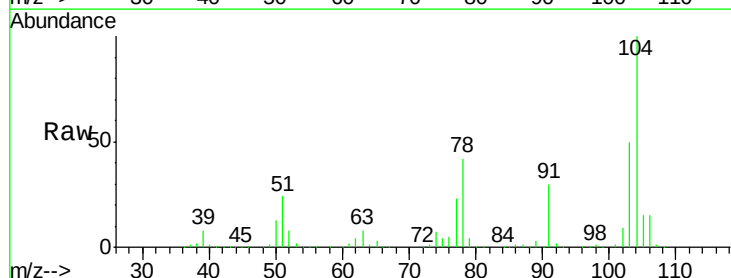
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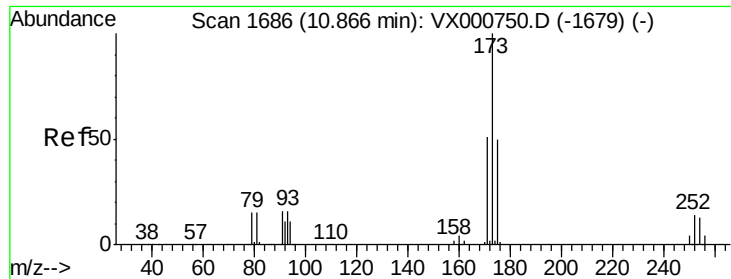
MMDadoda
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#70
Styrene
Concen: 52.09 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion:104 Resp: 437992
Ion Ratio Lower Upper
104 100
78 48.3 39.0 58.6
103 54.9 44.1 66.1





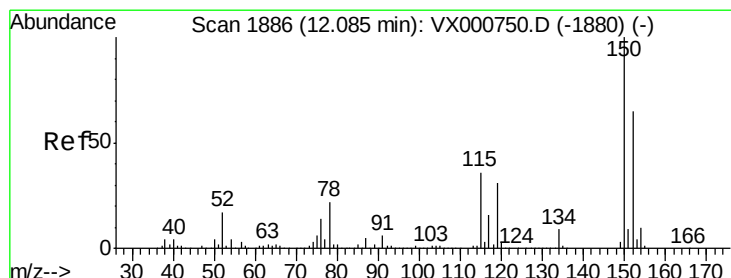
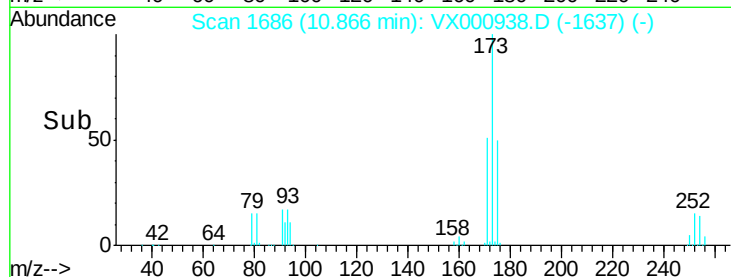
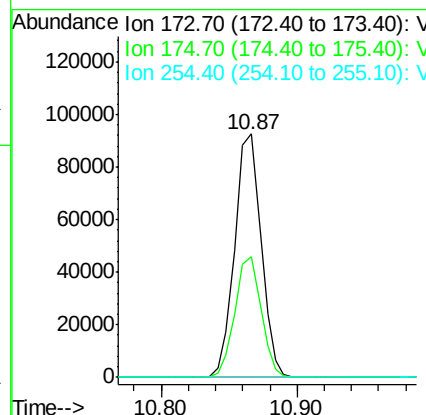
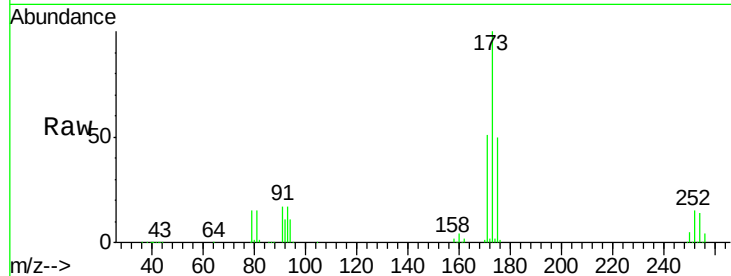
#71
Bromoform
Concen: 45.93 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.5	73.5
254	0.2	0.2	0.2

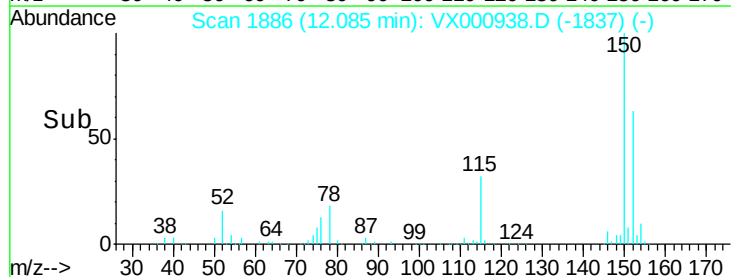
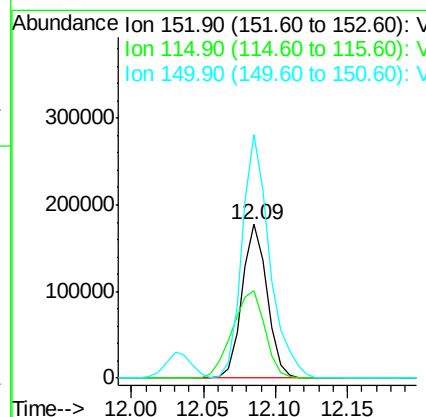
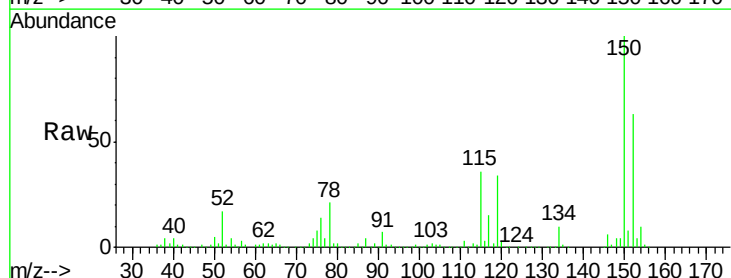
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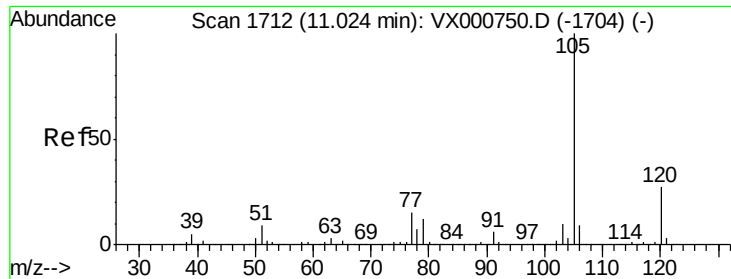
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000938.D
Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.5	37.9	113.7
150	174.5	0.0	348.0





#73

Isopropylbenzene

Concen: 51.07 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 696477

Ion Ratio Lower Upper

105 100

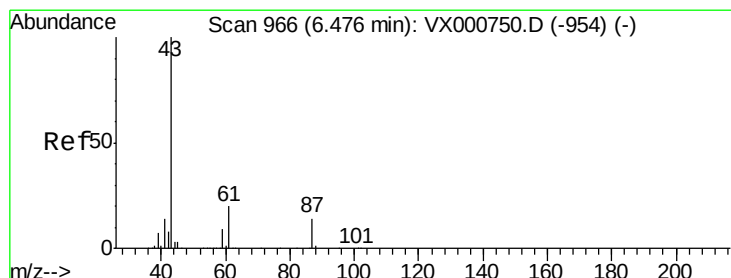
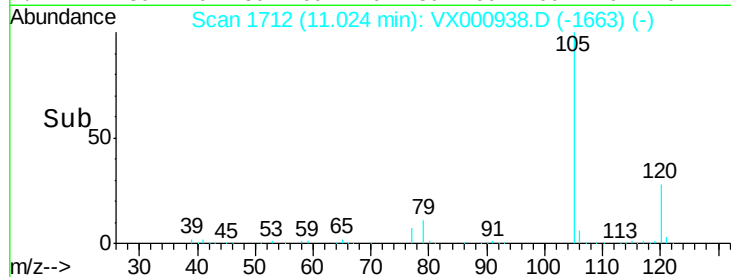
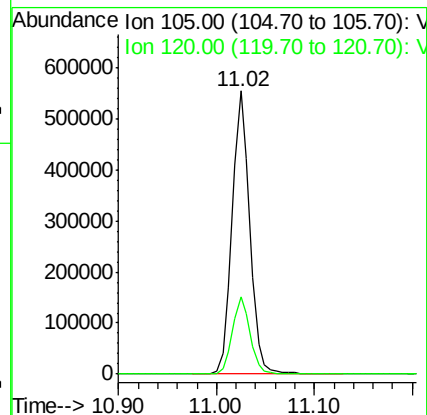
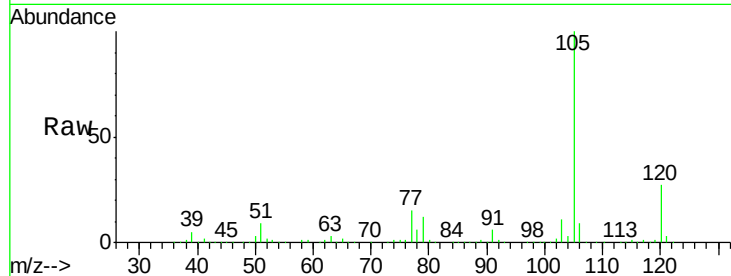
120 27.2 13.7 41.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.85 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Tgt Ion: 43 Resp: 306161

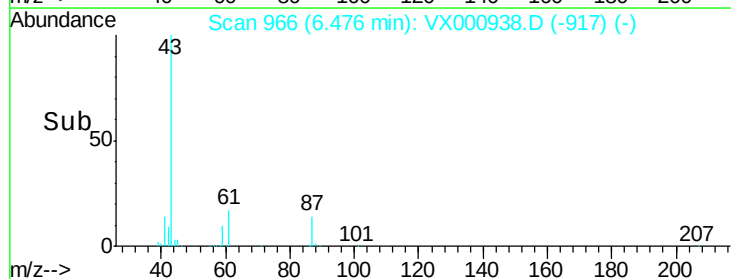
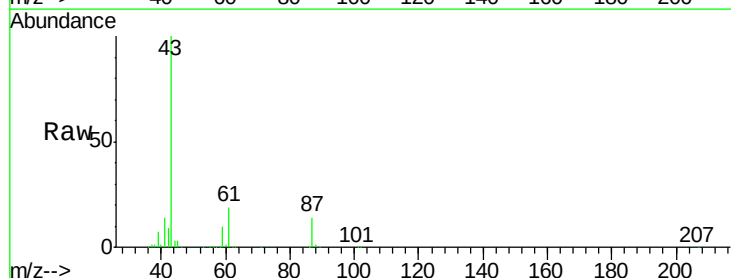
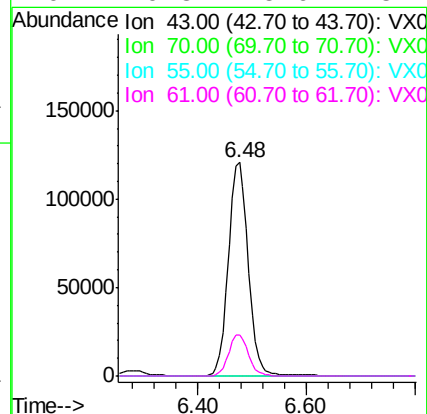
Ion Ratio Lower Upper

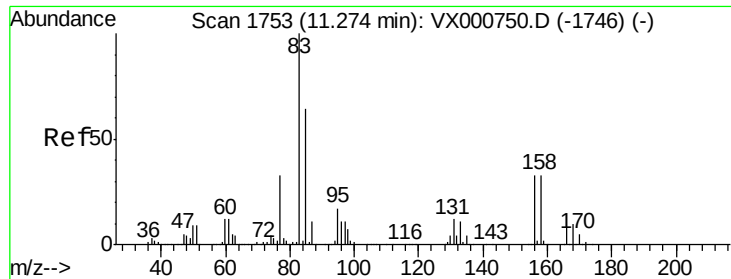
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 19.3 15.6 23.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.90 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 205419

Ion Ratio Lower Upper

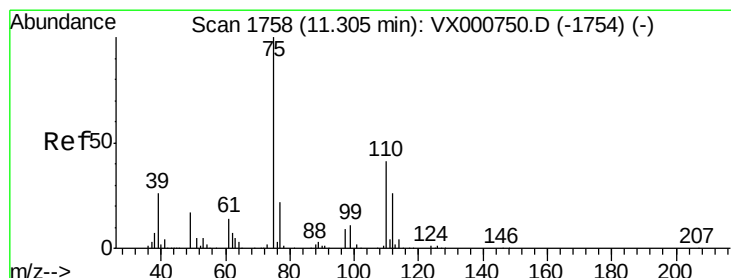
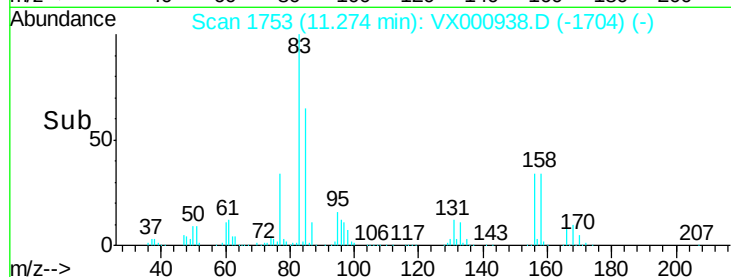
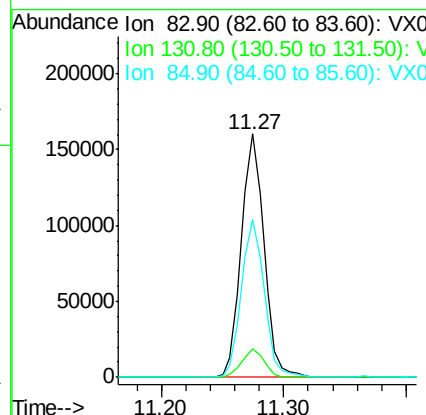
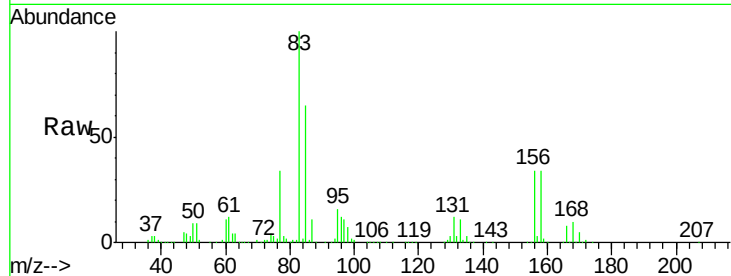
83 100

131 11.6 6.0 18.0

85 65.2 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 51.32 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX000938.D

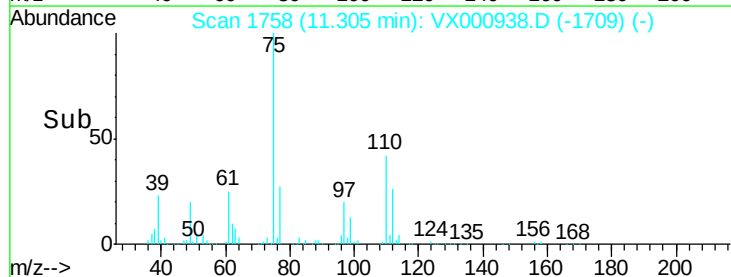
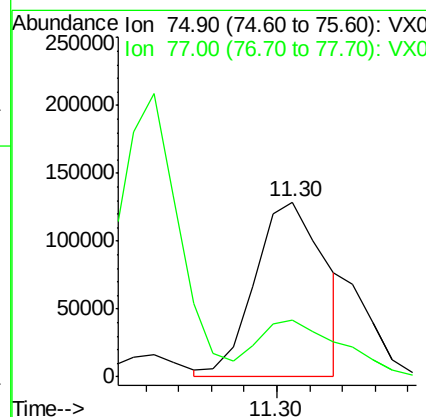
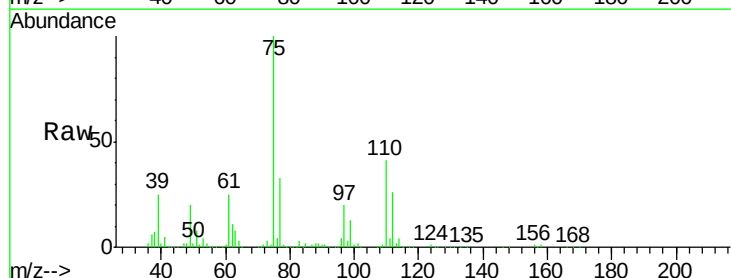
Acq: 16 Apr 2018 23:29

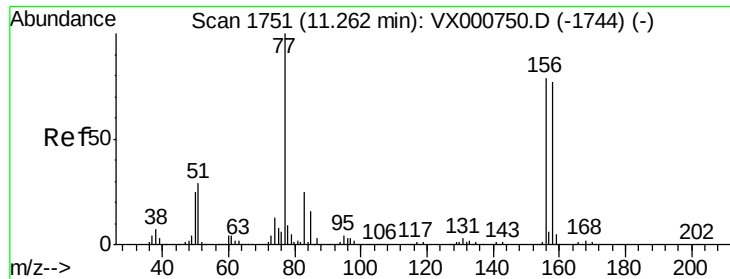
Tgt Ion: 75 Resp: 190270

Ion Ratio Lower Upper

75 100

77 38.9 20.5 61.5





#77

Bromobenzene

Concen: 50.91 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

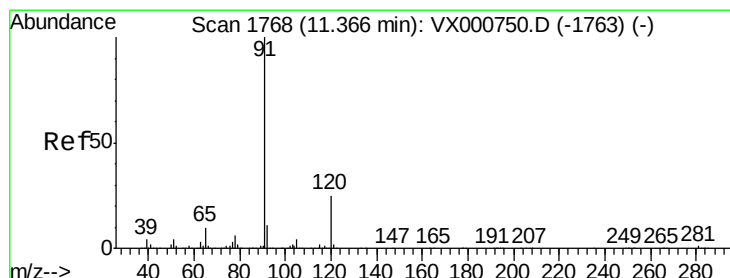
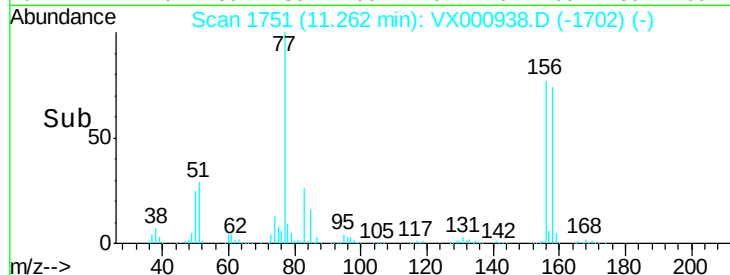
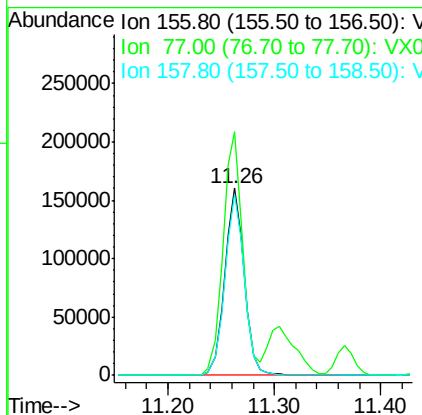
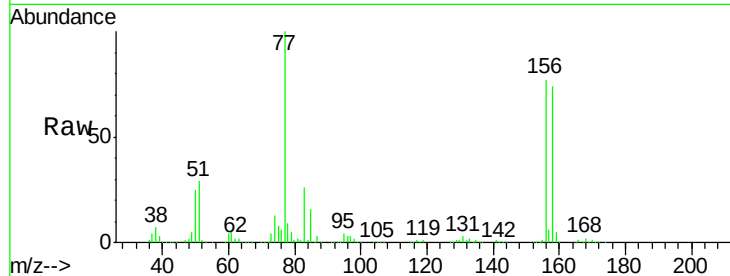
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	203453
Ion Ratio	Lower	Upper	
156	100		
77	132.4	66.0	198.2
158	97.2	48.8	146.4

Manual Integrations
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4/18/2018 2:45:10 PM



#78

n-propylbenzene

Concen: 50.48 ug/l

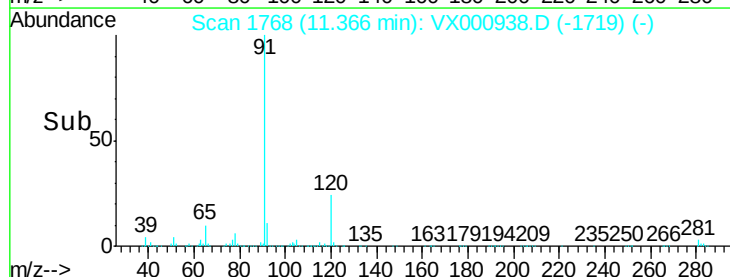
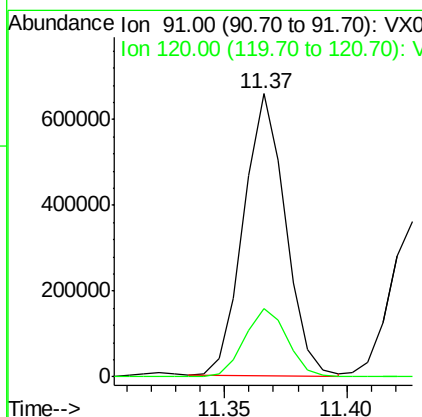
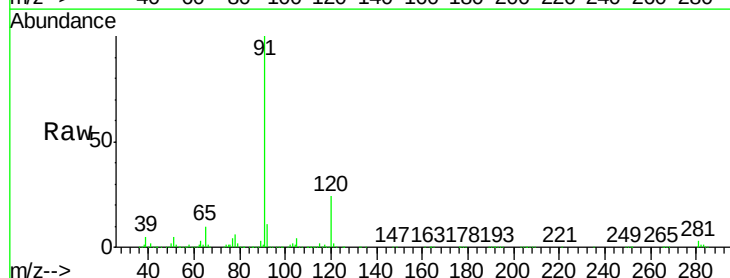
RT: 11.37 min Scan# 1768

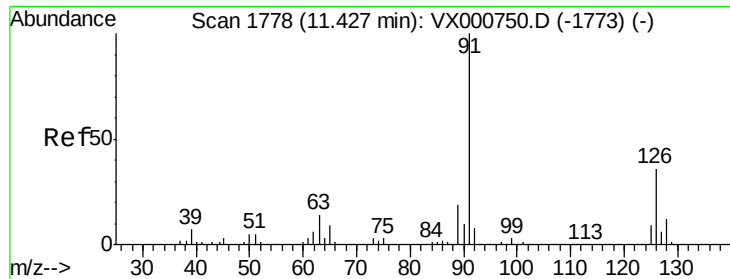
Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Tgt Ion:	91	Resp:	787428
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.6	37.6





#79

2-Chlorotoluene

Concen: 50.81 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 468441

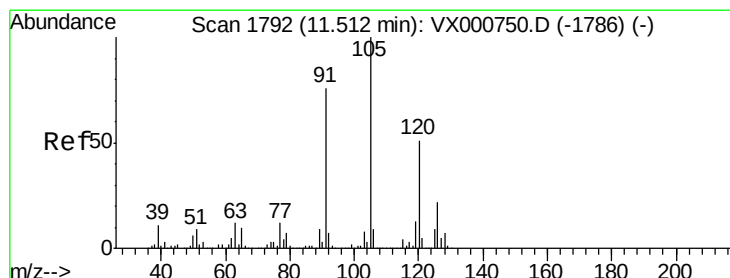
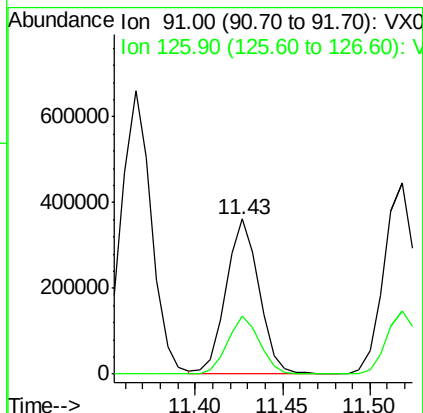
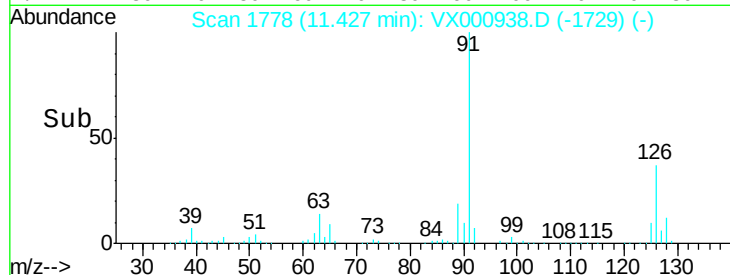
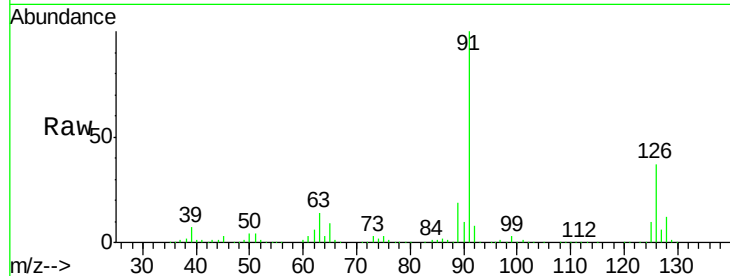
Ion Ratio Lower Upper

91 100

126 37.0 18.3 54.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.45 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX000938.D

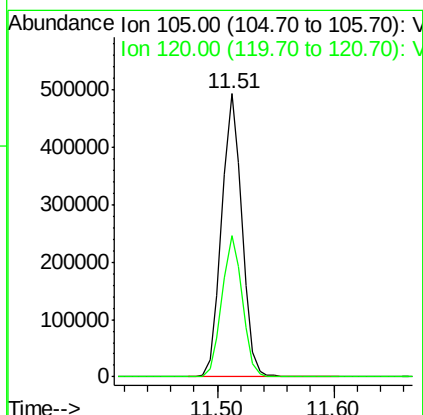
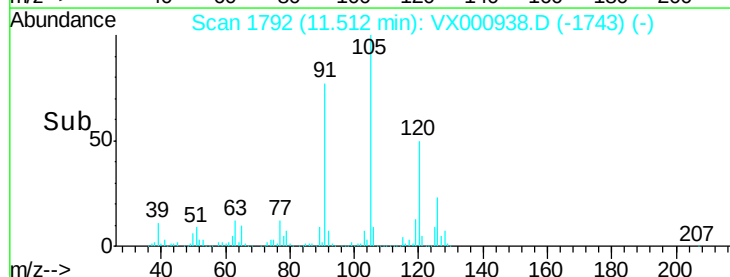
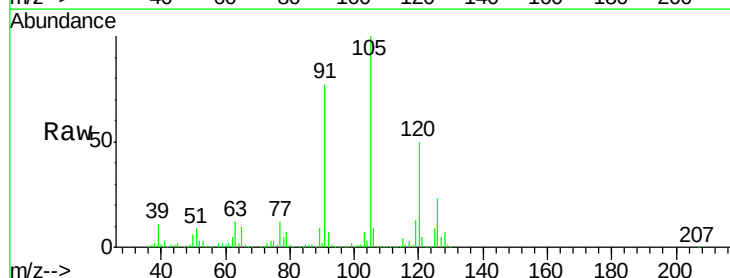
Acq: 16 Apr 2018 23:29

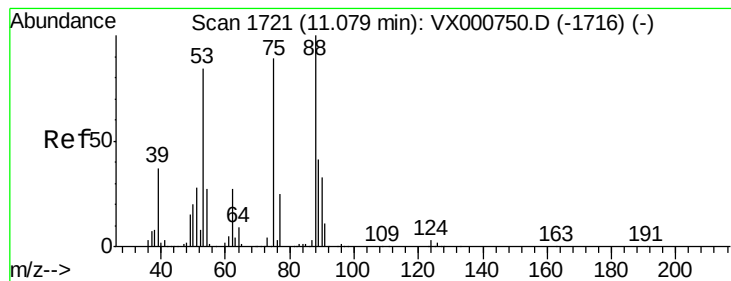
Tgt Ion: 105 Resp: 591747

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.63 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

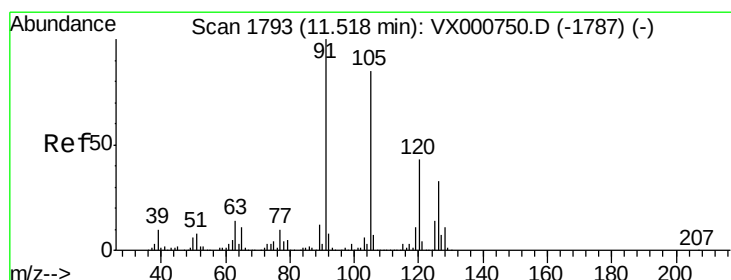
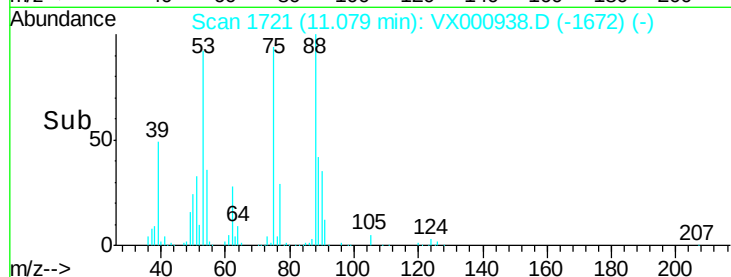
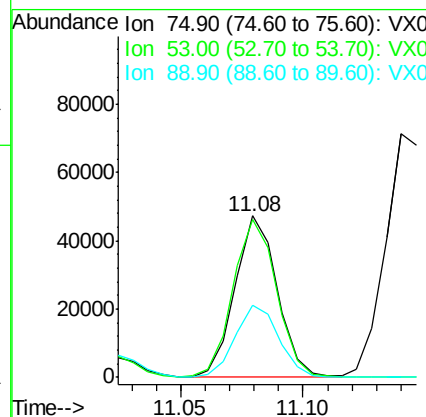
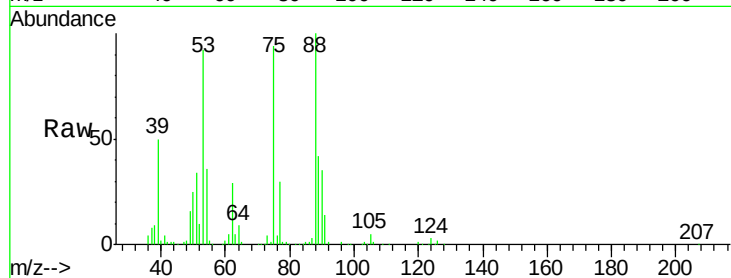
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	56110
Ion	Ratio	Lower	Upper
75	100		
53	101.9	75.4	113.0
89	47.0	40.9	61.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.39 ug/l

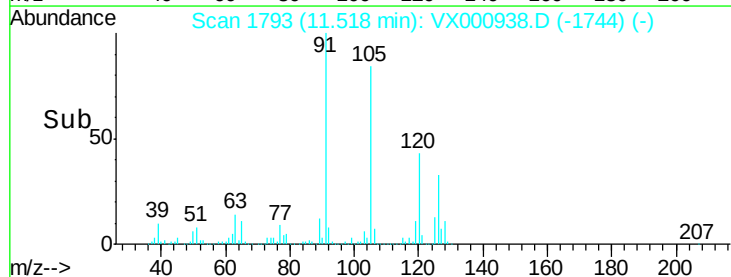
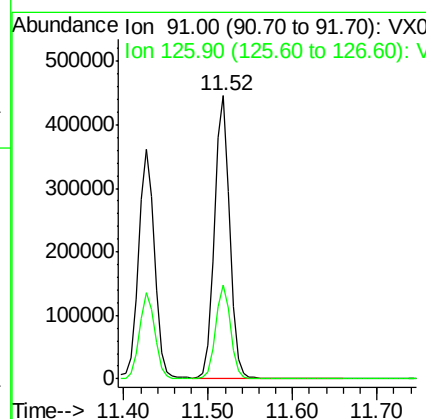
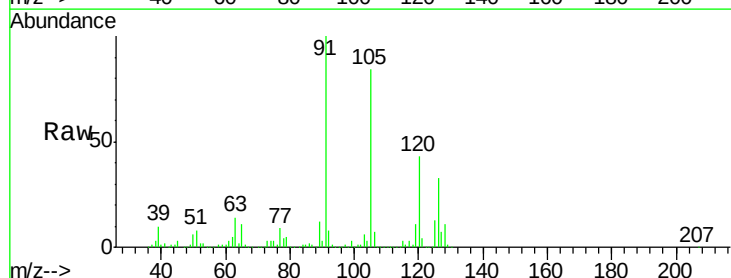
RT: 11.52 min Scan# 1793

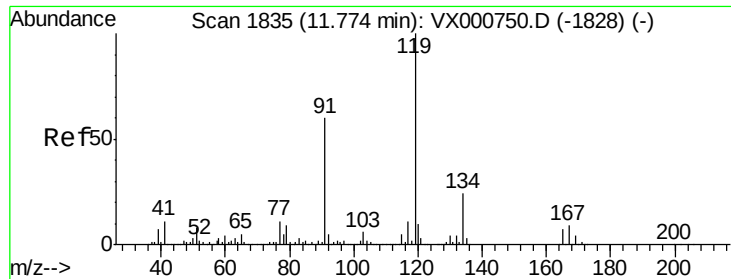
Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Tgt Ion:	91	Resp:	560770
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6





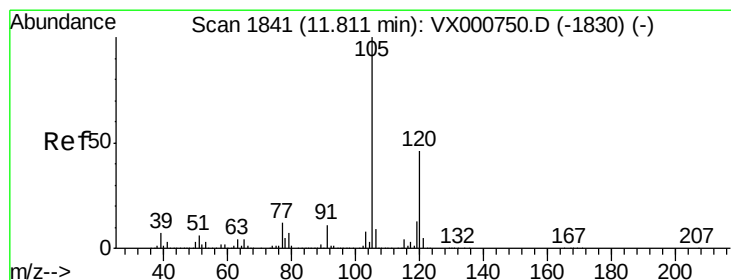
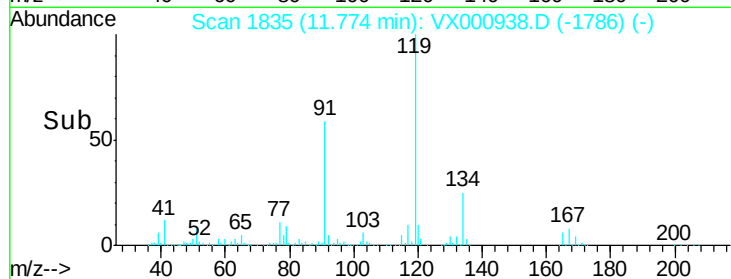
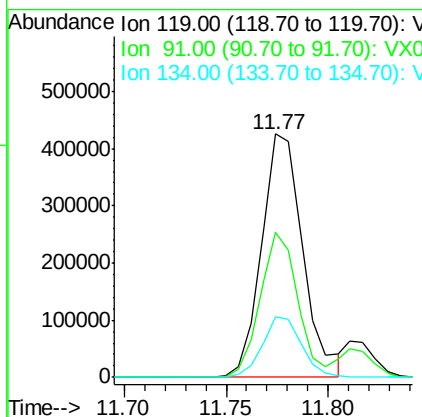
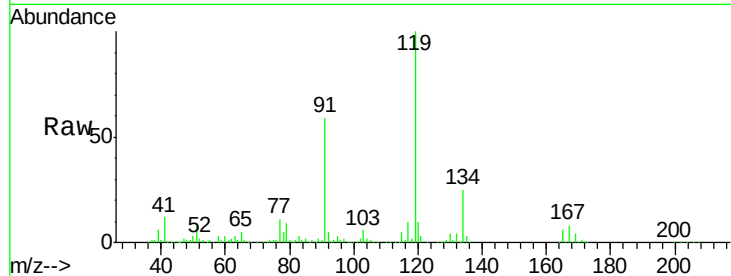
#83
 tert-Butylbenzene
 Concen: 50.14 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.0	26.8	80.3
134	23.6	11.5	34.4

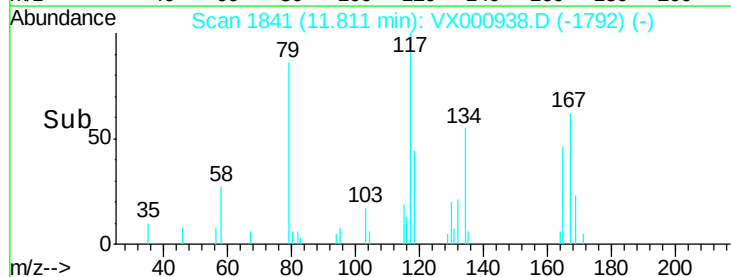
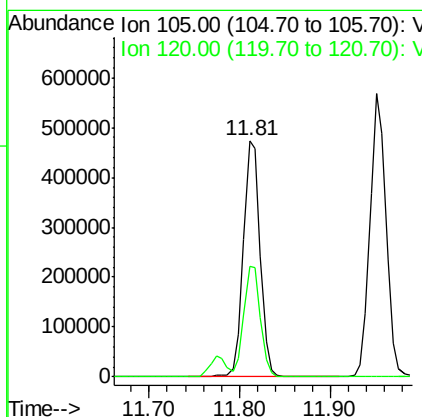
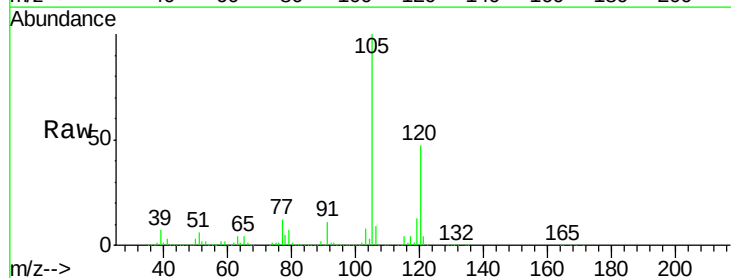
Manual Integrations
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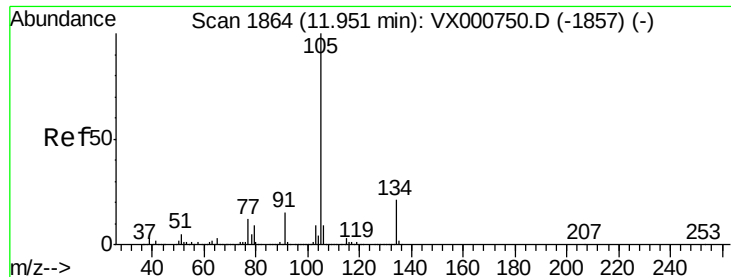
MMDadoda
 4/18/2018 2:45:10 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.10 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.3





#85

sec-Butylbenzene

Concen: 49.35 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 698598

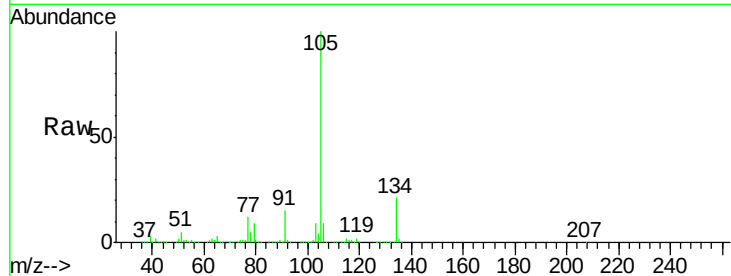
Ion Ratio Lower Upper

105 100

134 21.4 10.8 32.4

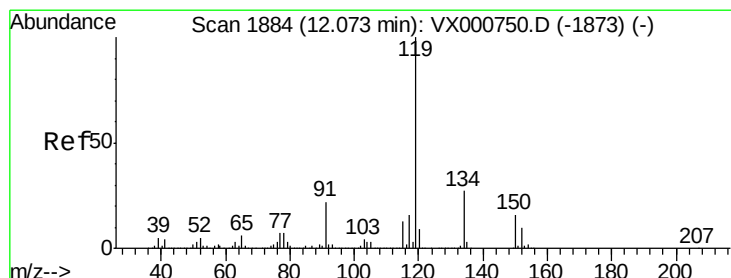
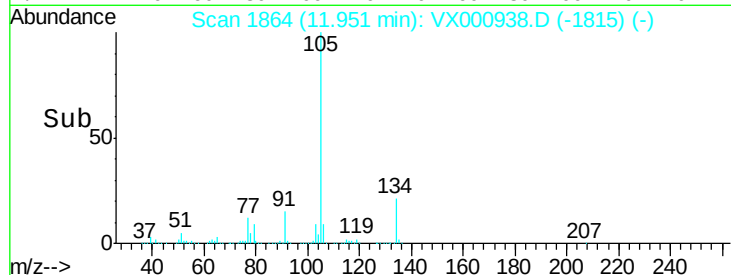
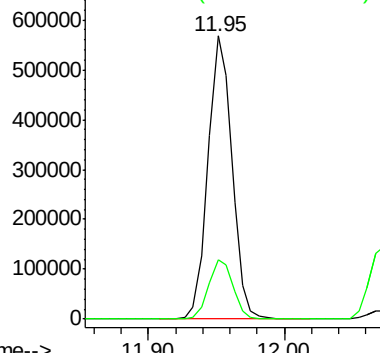
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.29 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

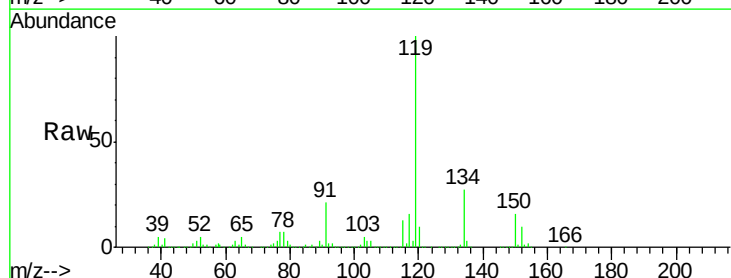
Tgt Ion:119 Resp: 650607

Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

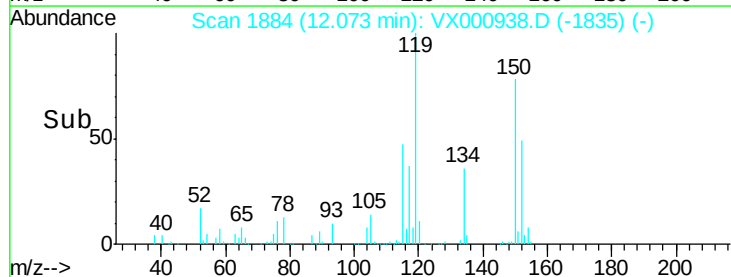
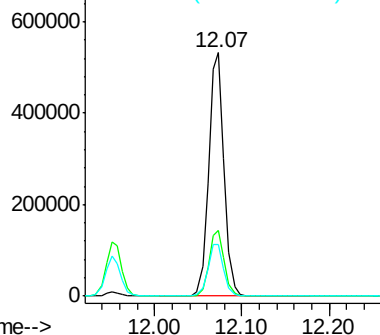
91 22.0 11.2 33.5

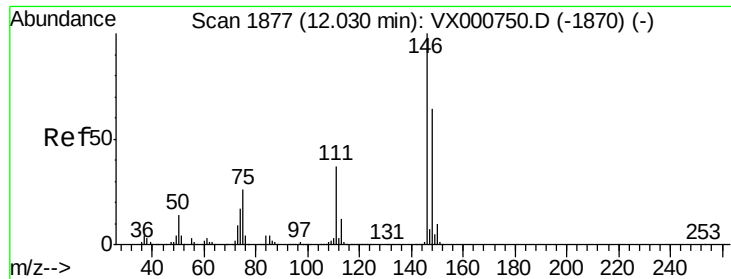


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 50.88 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

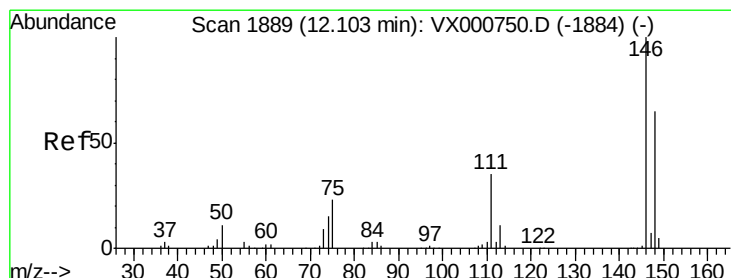
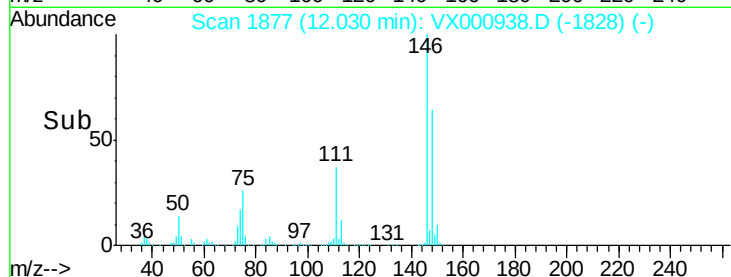
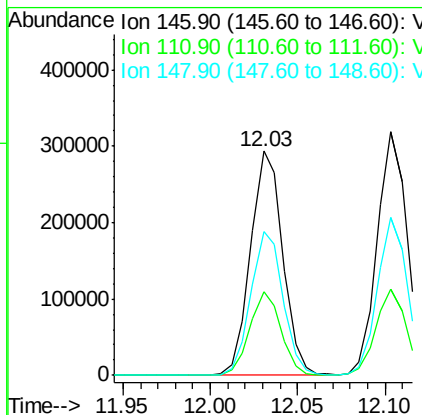
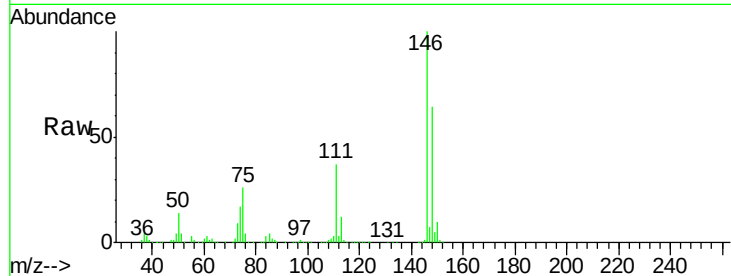
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	376367
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.3	54.8
148	64.0	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.66 ug/l

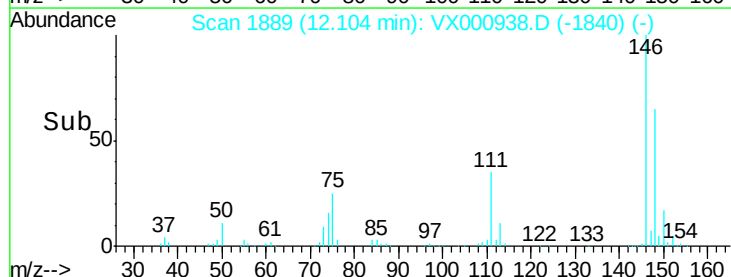
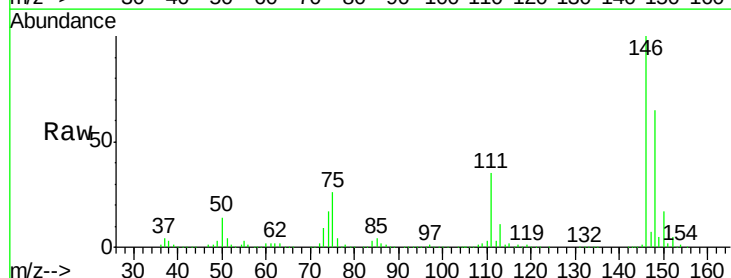
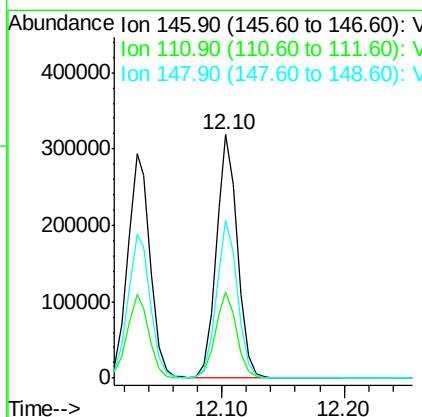
RT: 12.10 min Scan# 1889

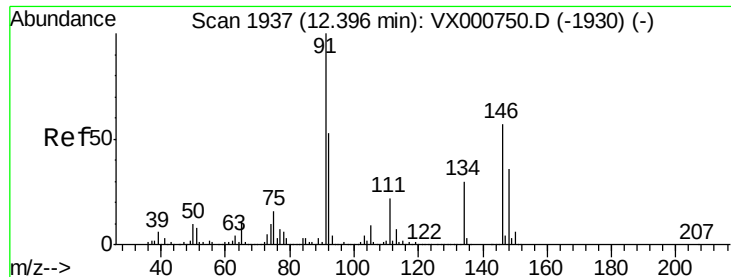
Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Tgt Ion:	146	Resp:	384098
Ion Ratio	Lower	Upper	
146	100		
111	35.5	17.9	53.8
148	64.4	32.6	97.7





#89

n-Butylbenzene

Concen: 48.12 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 560685

Ion Ratio Lower Upper

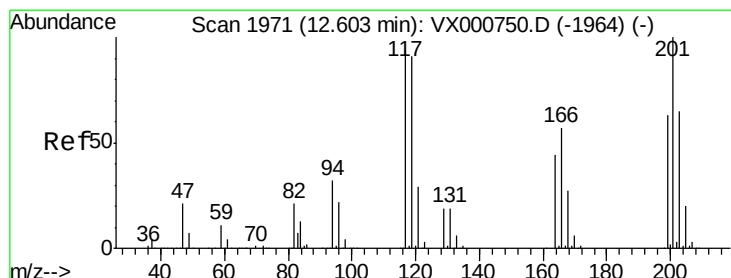
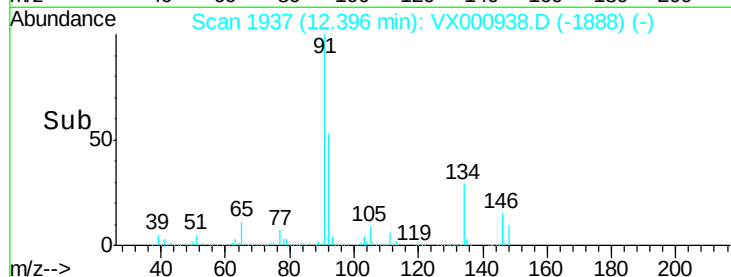
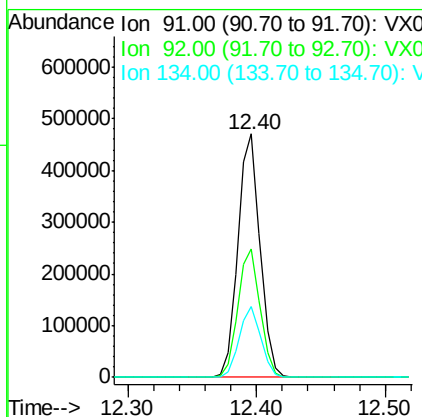
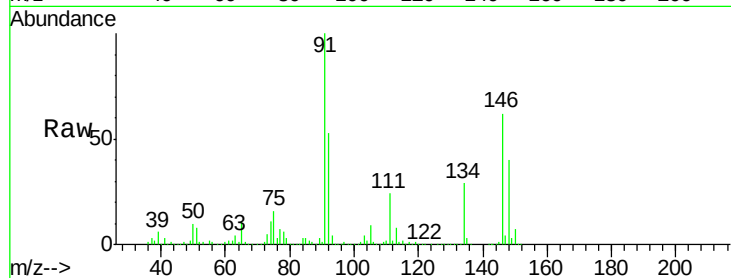
91 100

92 53.2 26.5 79.5

134 28.8 14.5 43.5

Manual Integrations
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#90

Hexachloroethane

Concen: 43.60 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VX000938.D

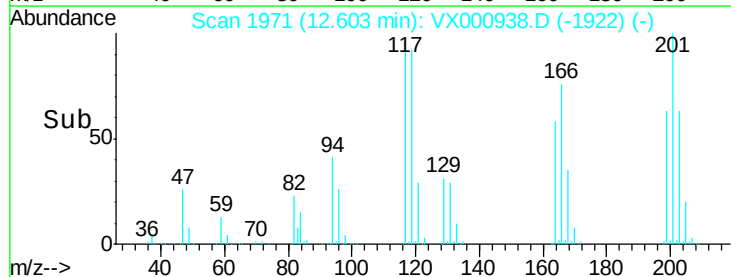
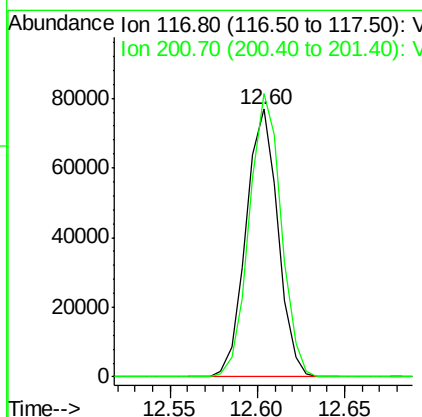
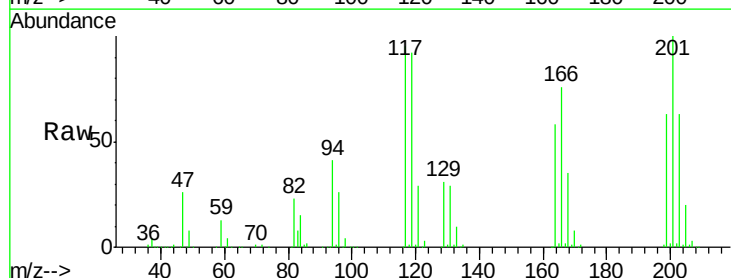
Acq: 16 Apr 2018 23:29

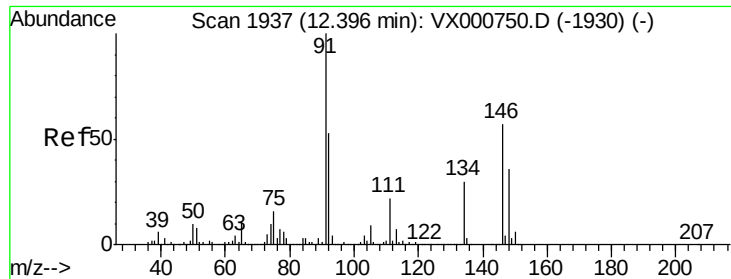
Tgt Ion: 117 Resp: 97394

Ion Ratio Lower Upper

117 100

201 105.5 52.9 158.7





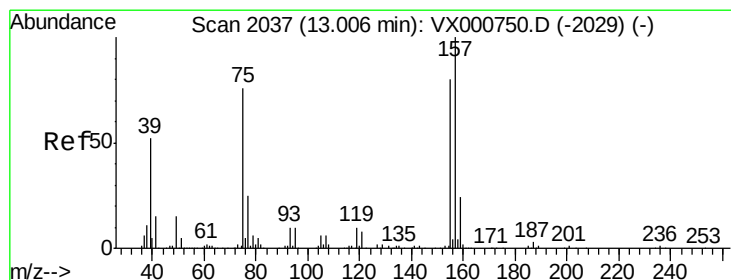
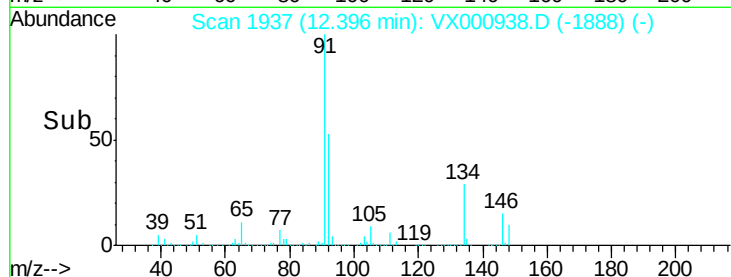
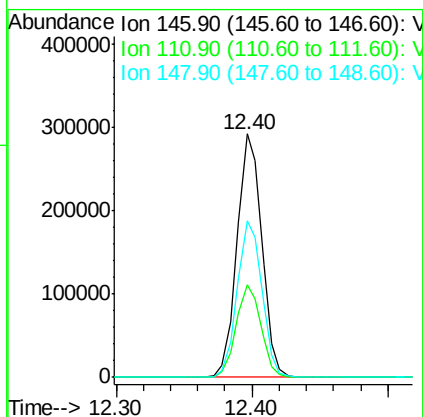
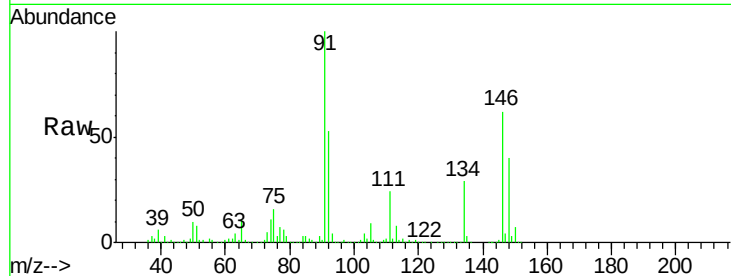
#91
 1,2-Dichlorobenzene
 Concen: 51.81 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	369968		
111	37.9	18.9	56.7	
148	64.3	32.0	96.2	

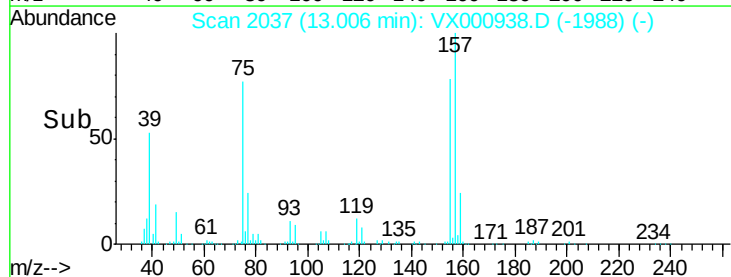
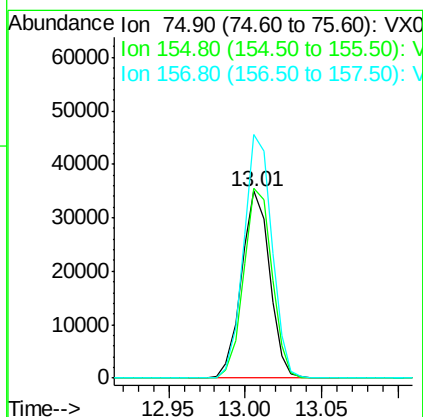
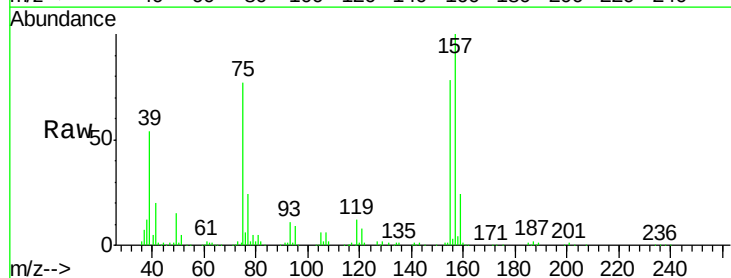
Manual Integrations
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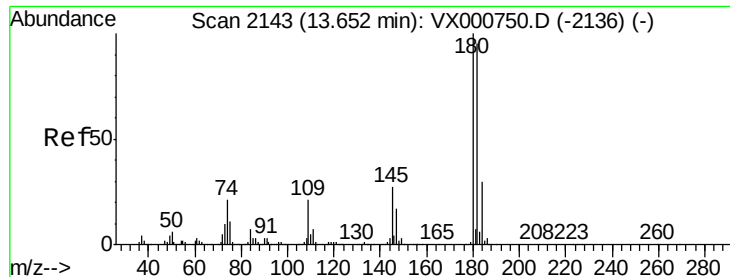
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.08 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	44702		
155	101.9	51.9	155.8	
157	130.2	66.6	199.8	





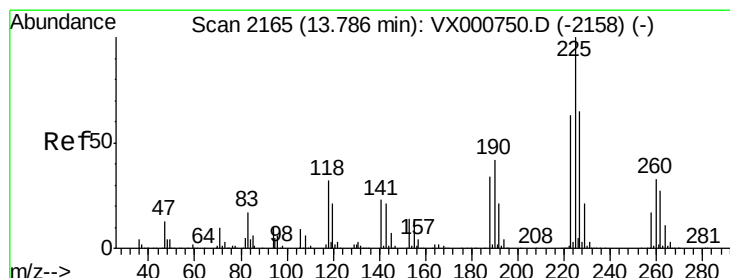
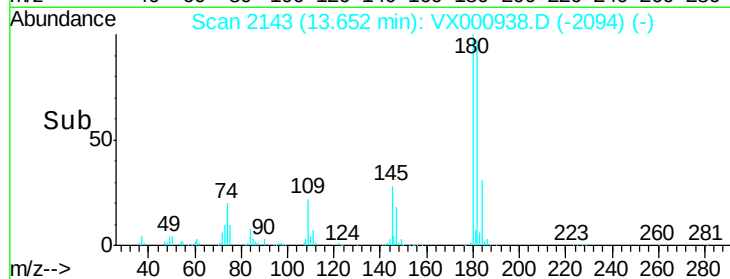
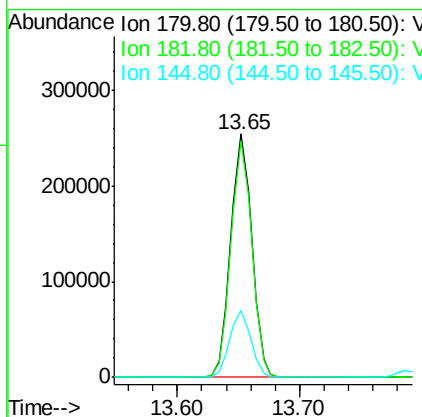
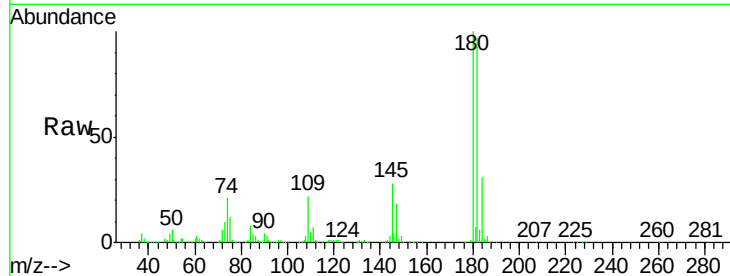
#93
 1,2,4-Trichlorobenzene
 Concen: 49.40 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	301036		
182	96.4	47.5	142.5	
145	27.6	13.8	41.4	

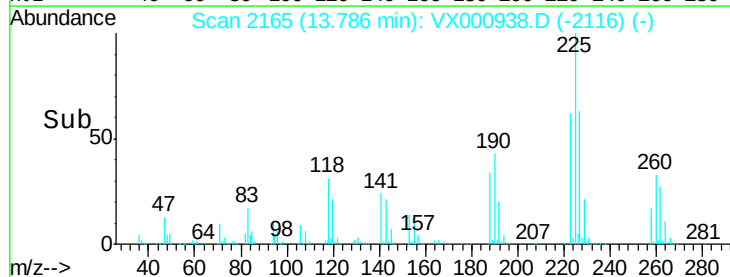
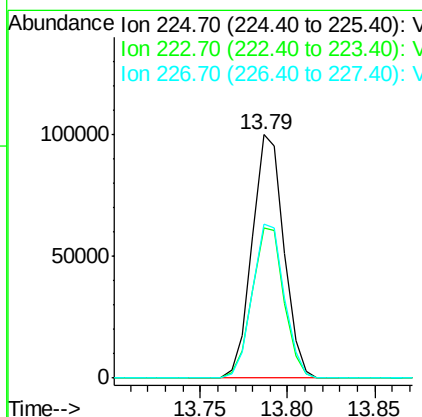
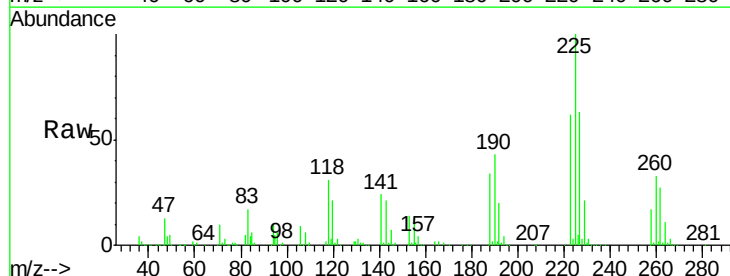
Manual Integrations
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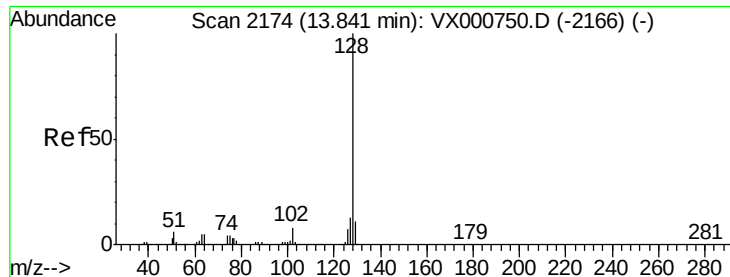
MMDadoda
 4/18/2018 2:45:10 PM



#94
 Hexachlorobutadiene
 Concen: 41.90 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX000938.D
 Acq: 16 Apr 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125564		
223	62.2	31.2	93.6	
227	63.6	32.3	96.9	





#95

Naphthalene

Concen: 51.11 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Instrument :

MSVOA_X

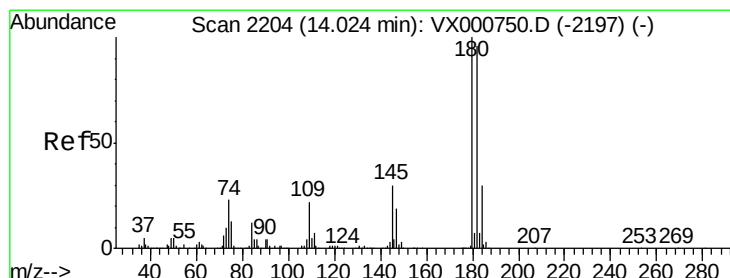
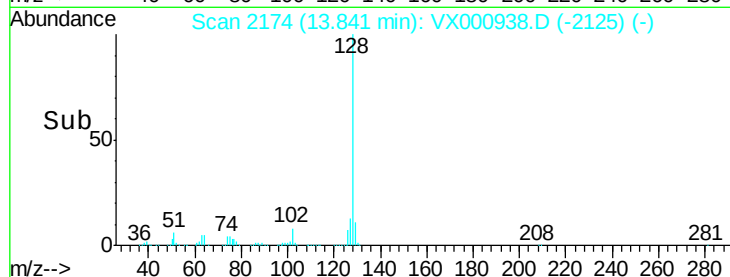
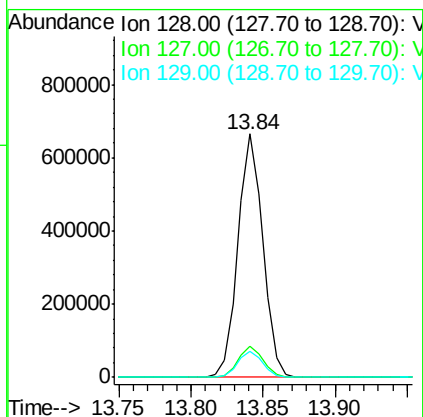
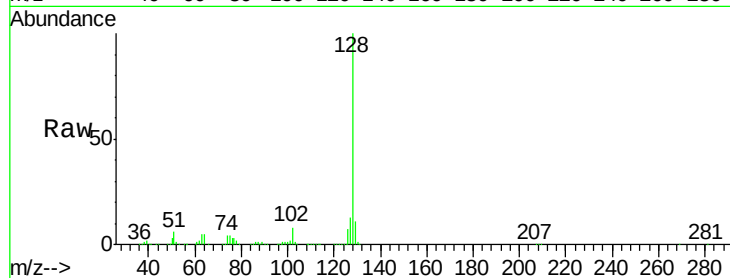
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	799397
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/18/2018 2:45:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.79 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX000938.D

Acq: 16 Apr 2018 23:29

Tgt Ion:	180	Resp:	294687
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.4	145.2
145	29.2	14.6	43.8

