

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050418\
 Data File : VX001391.D
 Acq On : 04 May 2018 11:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/7/2018 7:28:00 PM

Quant Time: May 04 14:28:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	165082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	213604	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	206274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	143932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	107359	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
35) Dibromofluoromethane	5.51	113	93266	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	8.72	98	341686	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.14	95	131884	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	89129	48.806	ug/l	98
3) Chloromethane	1.32	50	83866	46.779	ug/l	99
4) Vinyl Chloride	1.40	62	91551	48.512	ug/l	98
5) Bromomethane	1.64	94	67704	48.049	ug/l	99
6) Chloroethane	1.71	64	61720	51.734	ug/l	98
7) Trichlorofluoromethane	1.92	101	165928	52.094	ug/l	100
8) Diethyl Ether	2.19	74	58979	53.930	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	94101	51.238	ug/l	99
10) Methyl Iodide	2.51	142	136829	66.770	ug/l	99
11) Tert butyl alcohol	3.09	59	122640	311.940	ug/l	99
12) 1,1-Dichloroethene	2.37	96	82695	49.938	ug/l	97
13) Acrolein	2.30	56	31904	140.937	ug/l	100
14) Allyl chloride	2.73	41	154270	53.248	ug/l	100
15) Acrylonitrile	3.16	53	261542	287.025	ug/l	100
16) Acetone	2.45	43	254723	261.138	ug/l	100
17) Carbon Disulfide	2.57	76	185078	42.900	ug/l	98
18) Methyl Acetate	2.78	43	144269	62.623	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	302001	53.542	ug/l	99
20) Methylene Chloride	2.86	84	93294	53.106	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	87264	48.416	ug/l	99
22) Diisopropyl ether	3.88	45	269180	48.241	ug/l	98
23) Vinyl Acetate	3.83	43	1225851	259.256	ug/l	99
24) 1,1-Dichloroethane	3.70	63	167530	53.899	ug/l	100
25) 2-Butanone	4.73	43	347178	263.234	ug/l	100
26) 2,2-Dichloropropane	4.59	77	120574	47.671	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	94501	47.706	ug/l	99
28) Bromochloromethane	5.03	49	77039	55.137	ug/l	96
29) Tetrahydrofuran	5.18	42	223731	275.823	ug/l	99
30) Chloroform	5.22	83	162689	49.519	ug/l	100
31) Cyclohexane	5.58	56	125667	44.766	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	143017	49.804	ug/l	99
36) 1,1-Dichloropropene	5.81	75	113857	46.184	ug/l	100
37) Ethyl Acetate	4.88	43	133299	53.548	ug/l	99
38) Carbon Tetrachloride	5.79	117	128226	49.646	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	134390	46.091	ug/l	99
40) Benzene	6.15	78	346157	48.810	ug/l	98
41) Methacrylonitrile	5.07	41	74233	51.200	ug/l	98
42) 1,2-Dichloroethane	6.21	62	131988	48.068	ug/l	99
43) Isopropyl Acetate	6.48	43	212630	52.759	ug/l	99
44) Trichloroethene	7.22	130	106730	49.165	ug/l	98
45) 1,2-Dichloropropane	7.52	63	89399	49.087	ug/l	99
46) Dibromomethane	7.67	93	63972	50.112	ug/l	100
47) Bromodichloromethane	7.91	83	117729	51.579	ug/l	97
48) Methyl methacrylate	7.79	41	111715	52.145	ug/l	99
49) 1,4-Dioxane	7.77	88	48605	1202.205	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	739511	284.622	ug/l	98
52) Toluene	8.79	92	231376	49.911	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	138987	51.202	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	129343	51.793	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	97812	52.232	ug/l	98
56) Ethyl methacrylate	9.19	69	142022	54.735	ug/l	98
57) 1,3-Dichloropropane	9.38	76	155060	51.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	346632	276.898	ug/l	99
59) 2-Hexanone	9.51	43	576638	283.955	ug/l	100
60) Dibromochloromethane	9.59	129	105634	54.077	ug/l	98
61) 1,2-Dibromoethane	9.68	107	104134	52.467	ug/l	100
64) Tetrachloroethene	9.34	164	133502	54.629	ug/l	98
65) Chlorobenzene	10.15	112	273229	48.706	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	103759	53.281	ug/l	99
67) Ethyl Benzene	10.26	91	448805	48.548	ug/l	98
68) m/p-Xylenes	10.37	106	359104	98.721	ug/l	100
69) o-Xylene	10.71	106	175099	49.633	ug/l	99
70) Styrene	10.72	104	293895	50.936	ug/l	99
71) Bromoform	10.87	173	86828	46.460	ug/l	99
73) Isopropylbenzene	11.02	105	480924	49.946	ug/l	100
74) N-amyl acetate	6.48	43	212630	51.475	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	145623	50.479	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	142125m	53.400	ug/l	
77) Bromobenzene	11.26	156	138390	49.830	ug/l	99
78) n-propylbenzene	11.37	91	538435	50.317	ug/l	100
79) 2-Chlorotoluene	11.43	91	318643	49.349	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	410664	50.782	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	38592	47.415	ug/l	97
82) 4-Chlorotoluene	11.52	91	378520	48.738	ug/l	98
83) tert-Butylbenzene	11.77	119	405991	50.350	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	421368	50.852	ug/l	99
85) sec-Butylbenzene	11.95	105	496986	51.515	ug/l	100
86) p-Isopropyltoluene	12.07	119	457600	51.706	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	251012	48.403	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	255574	47.806	ug/l	99
89) n-Butylbenzene	12.40	91	386330	50.015	ug/l	100
90) Hexachloroethane	12.60	117	66708	52.051	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	257442	49.886	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	34344	58.907	ug/l	96

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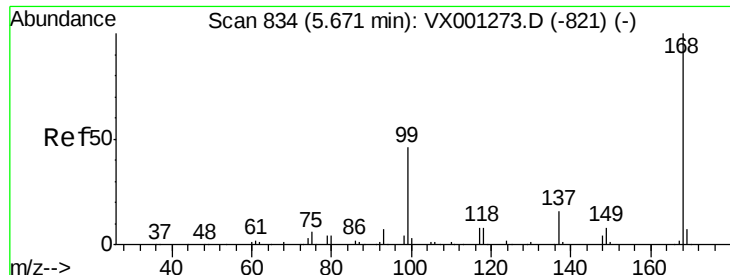
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	193763	46.672	ug/l	99
94) Hexachlorobutadiene	13.79	225	108343	49.877	ug/l	98
95) Naphthalene	13.84	128	562832	53.435	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	201102	49.344	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 165082

Ion Ratio Lower Upper

168 100

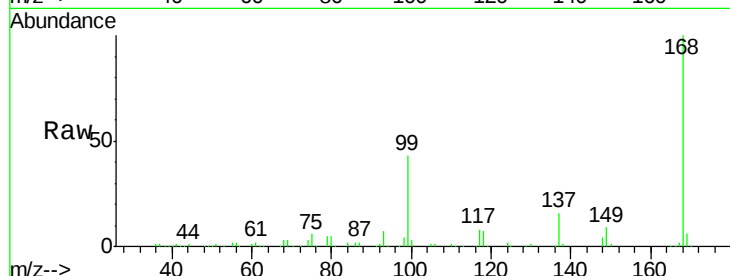
99 43.2 36.5 54.7

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

60000

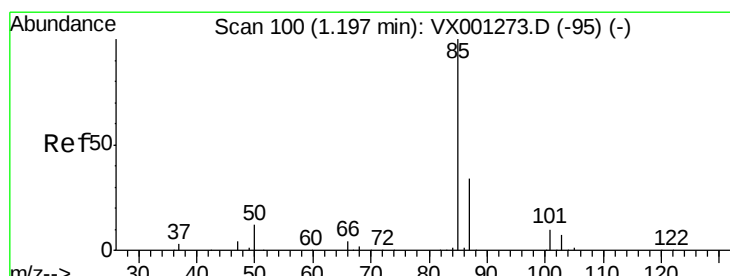
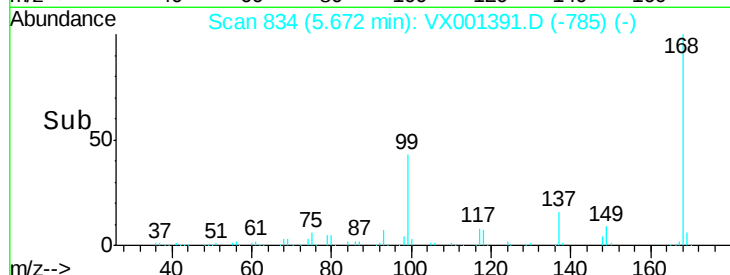
40000

20000

0

5.60 5.67 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.806 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001391.D

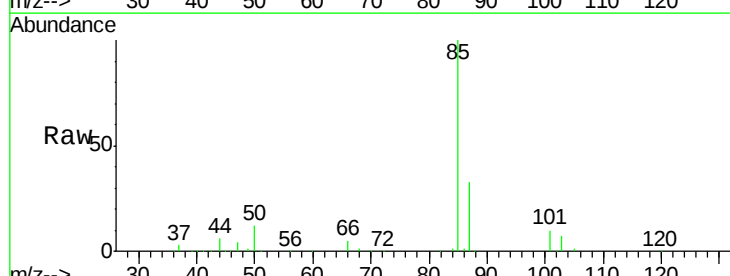
Acq: 04 May 2018 11:40

Tgt Ion: 85 Resp: 89129

Ion Ratio Lower Upper

85 100

87 32.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

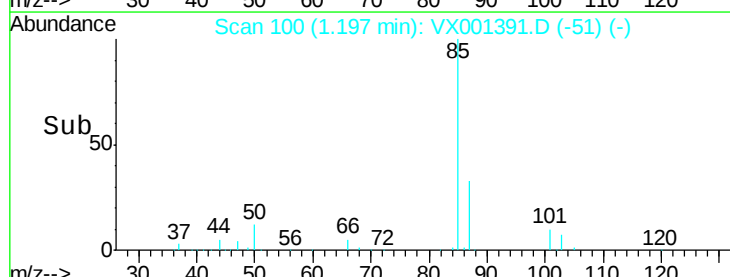
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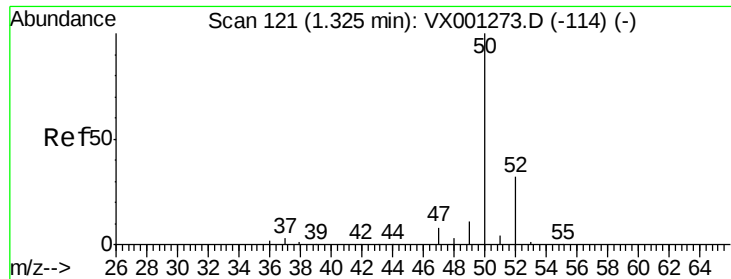
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1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 46.779 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 83866

Ion Ratio Lower Upper

50 100

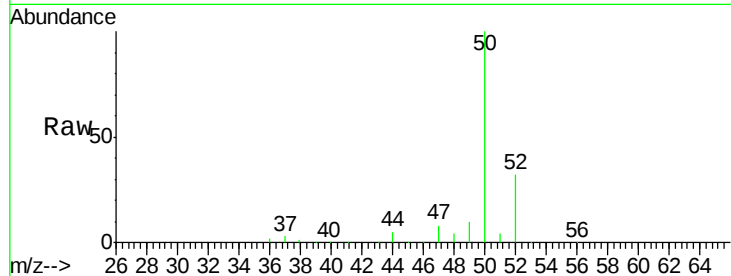
52 32.4 25.7 38.5

Manual Integrations

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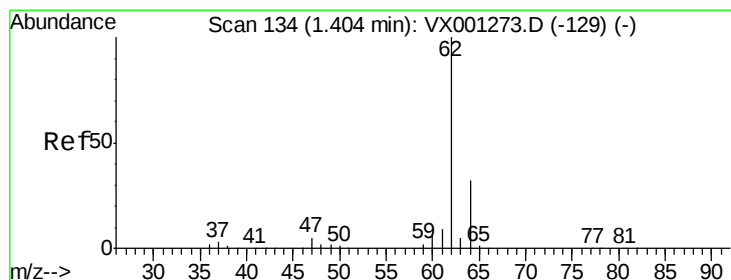
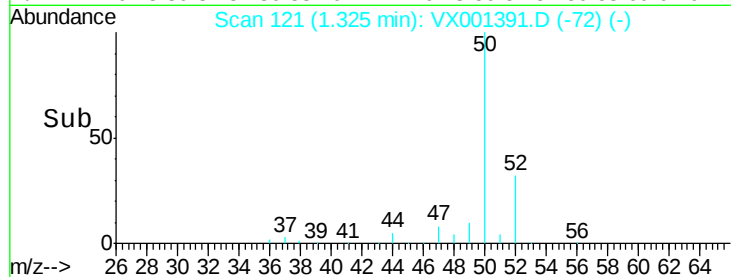
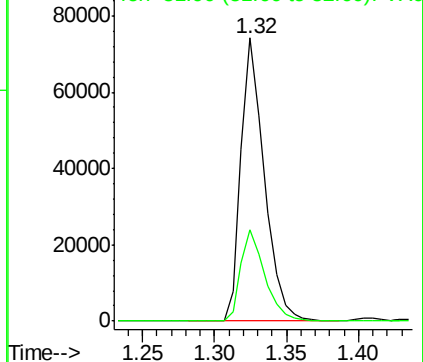
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5/7/2018 7:28:00 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.512 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001391.D

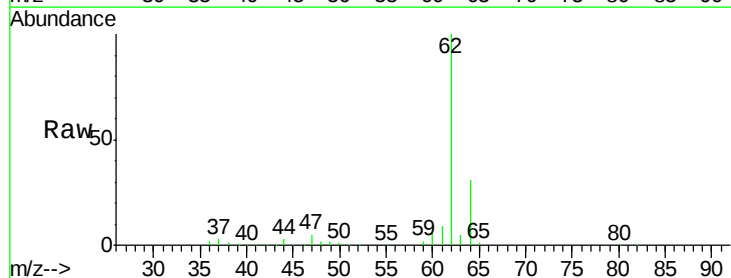
Acq: 04 May 2018 11:40

Tgt Ion: 62 Resp: 91551

Ion Ratio Lower Upper

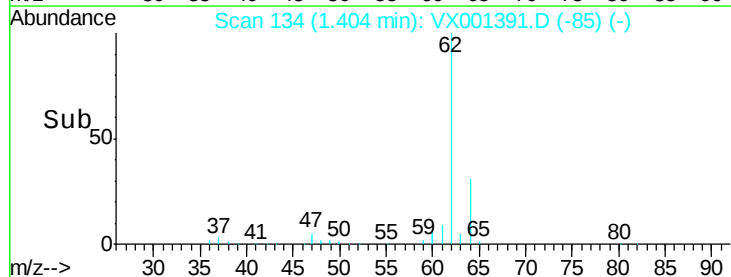
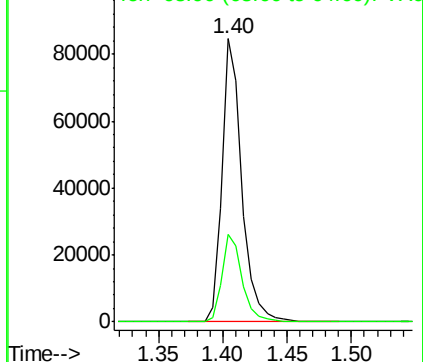
62 100

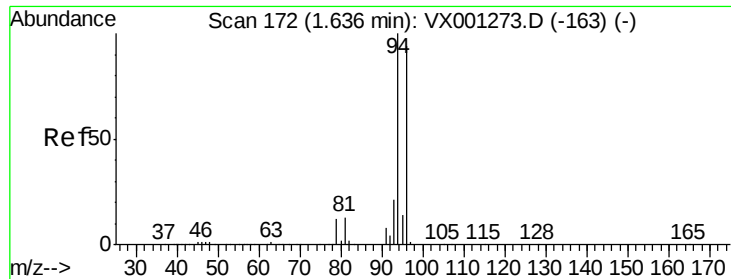
64 30.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 48.049 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 67704

Ion Ratio Lower Upper

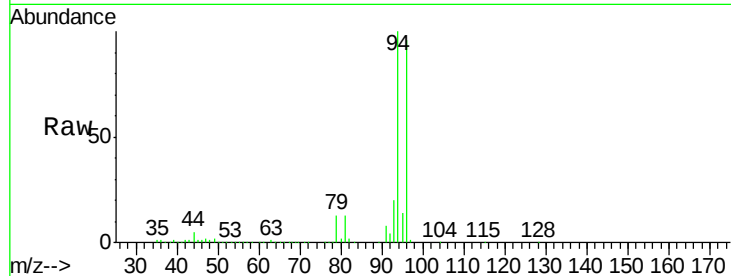
94 100

96 95.9 75.6 113.4

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

1.64

80000

60000

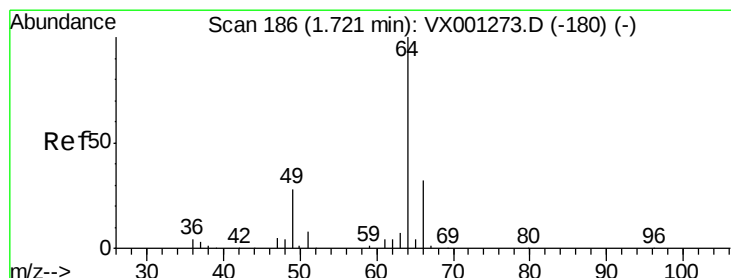
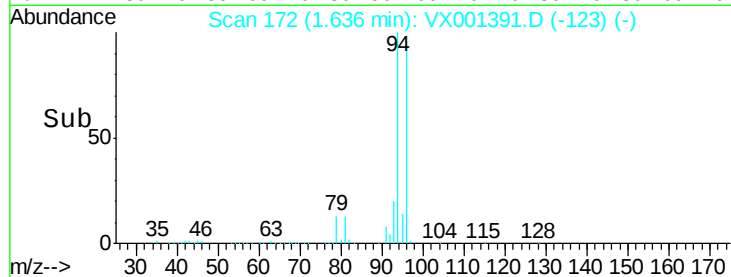
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 51.734 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001391.D

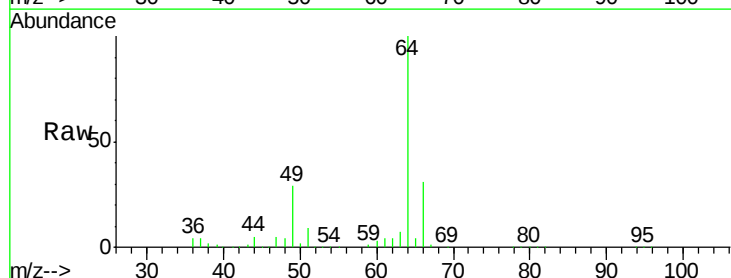
Acq: 04 May 2018 11:40

Tgt Ion: 64 Resp: 61720

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

30000

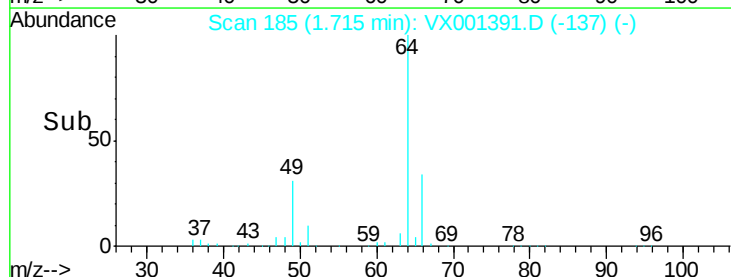
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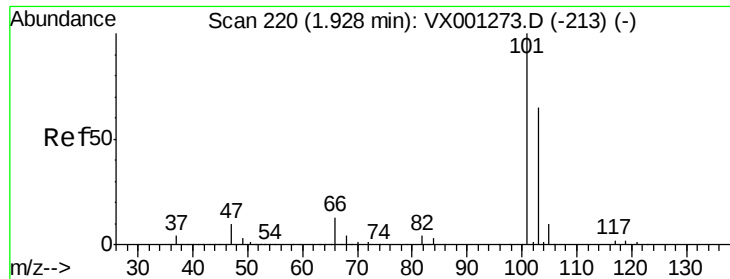
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0

Time-->

1.70 1.80





#7

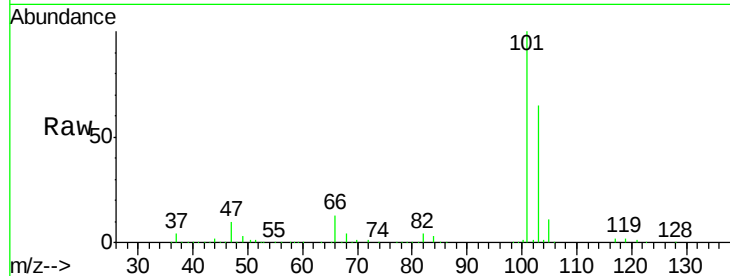
Trichlorofluoromethane
Concen: 52.094 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

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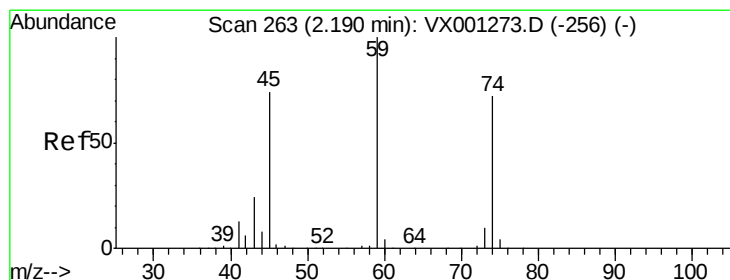
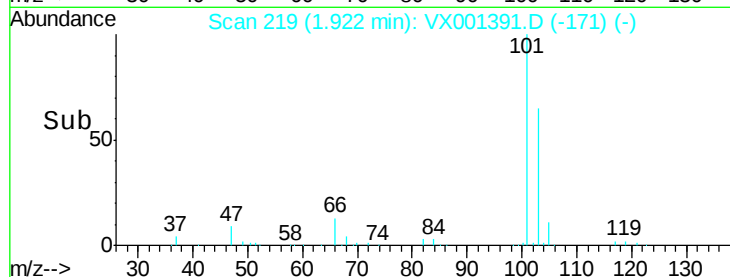
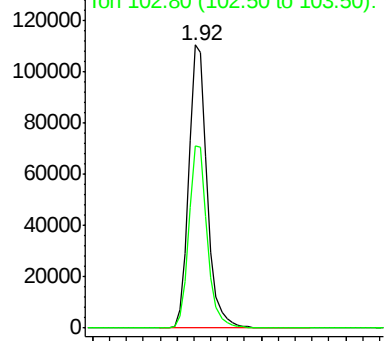
Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.8

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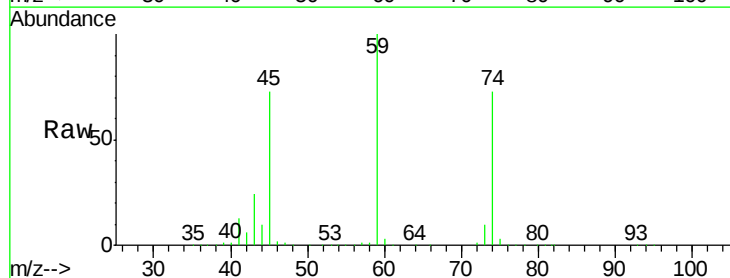
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



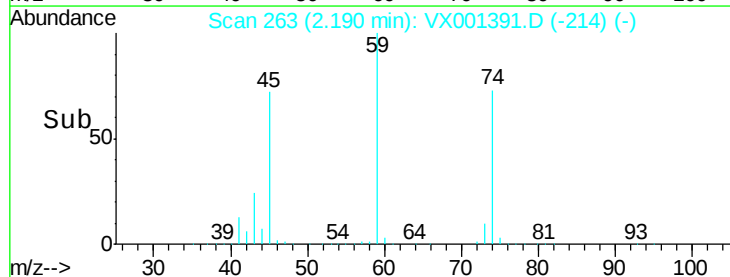
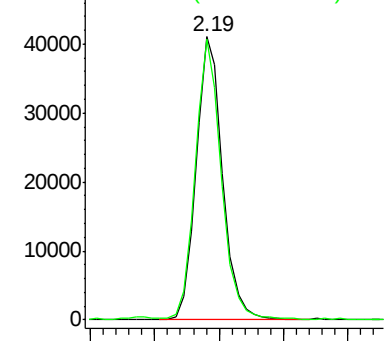
#8

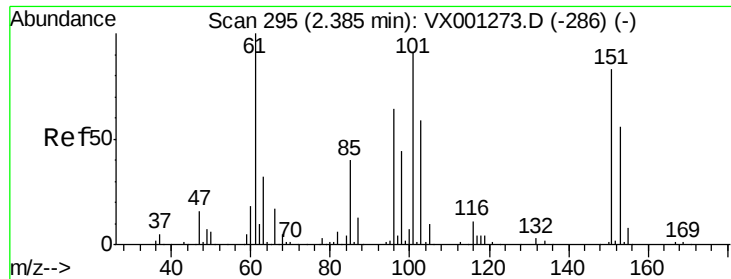
Diethyl Ether
Concen: 53.930 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001391.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	49.3	147.9



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





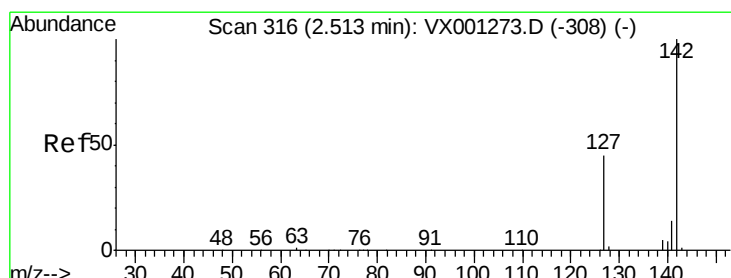
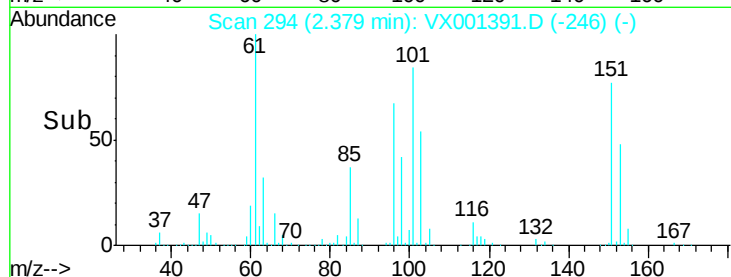
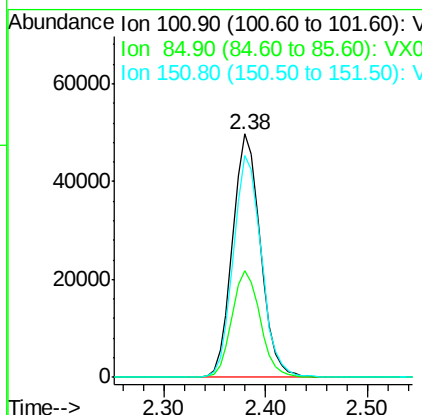
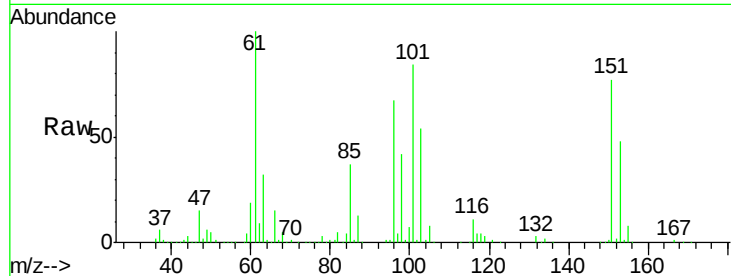
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.238 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	94101		
85	44.2	35.6	53.4	
151	91.9	74.8	112.2	

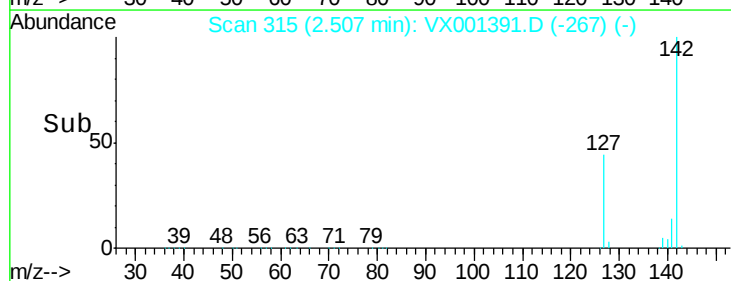
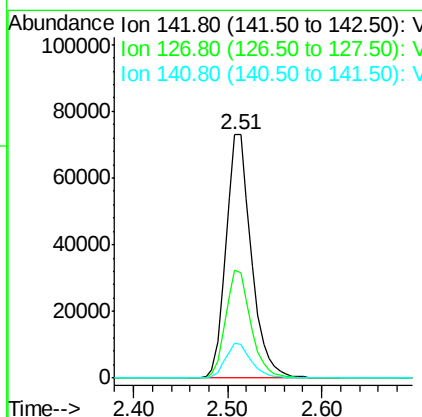
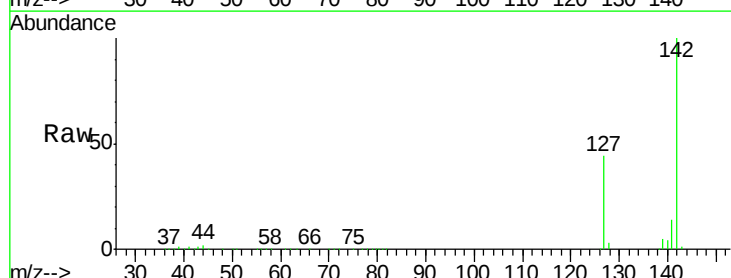
Manual Integrations
 APPROVED

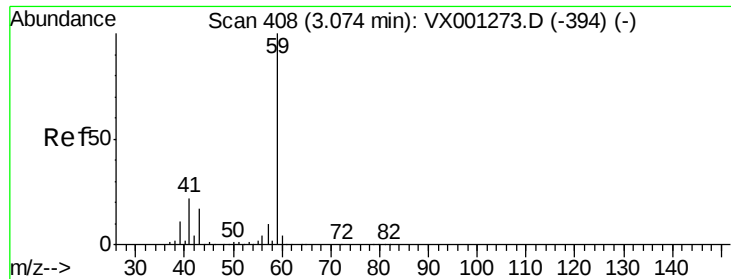
MMDadoda
 5/7/2018 7:28:00 PM



#10
 Methyl Iodide
 Concen: 66.770 ug/l
 RT: 2.51 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	136829		
127	44.3	35.7	53.5	
141	14.5	11.4	17.0	





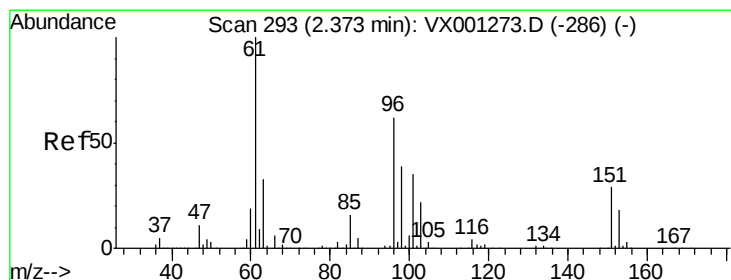
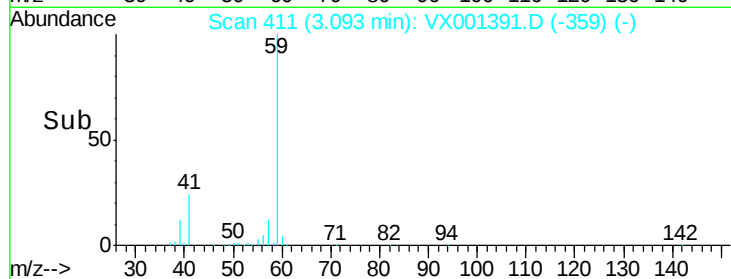
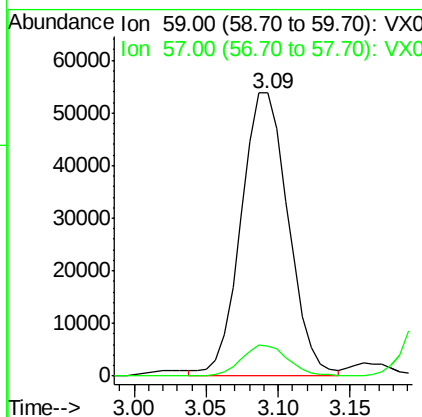
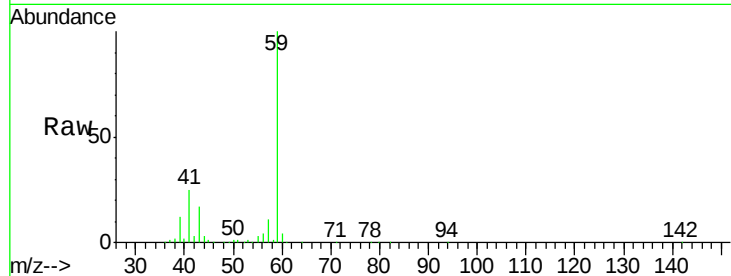
#11
Tert butyl alcohol
Concen: 311.940 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 122640
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

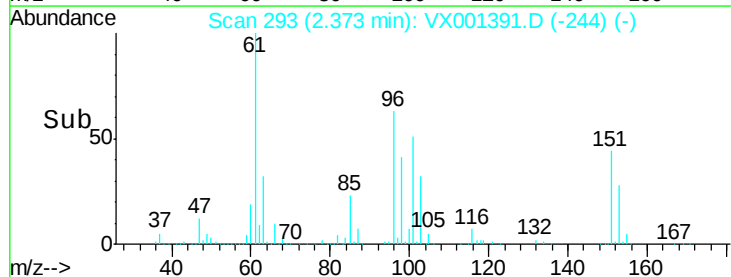
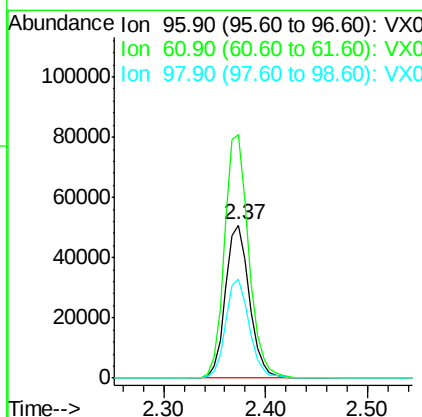
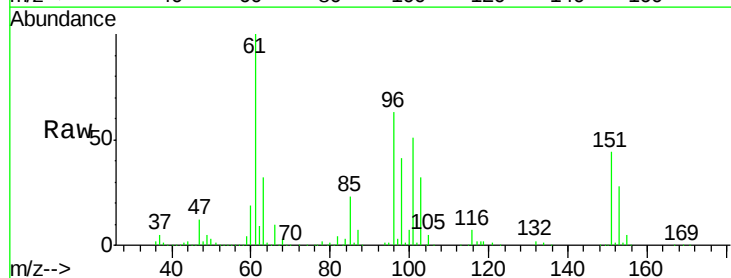
Manual Integrations
APPROVED

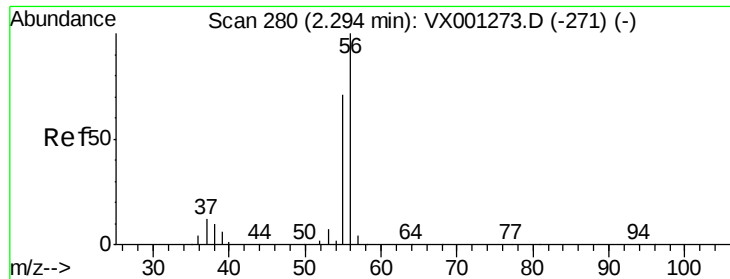
MMDadoda
5/7/2018 7:28:00 PM



#12
1,1-Dichloroethene
Concen: 49.938 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion: 96 Resp: 82695
Ion Ratio Lower Upper
96 100
61 159.1 130.1 195.1
98 64.7 50.3 75.5





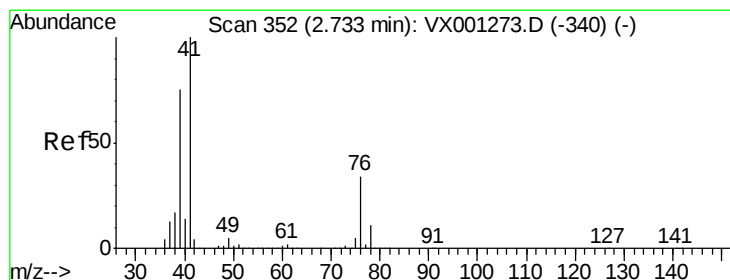
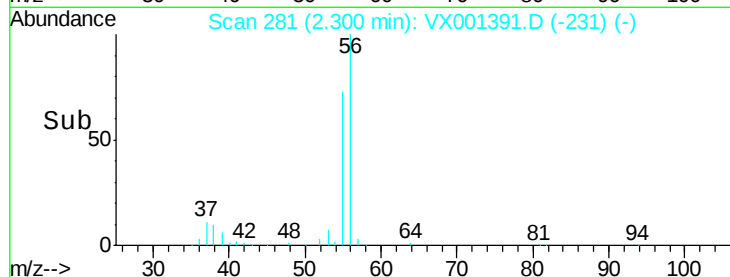
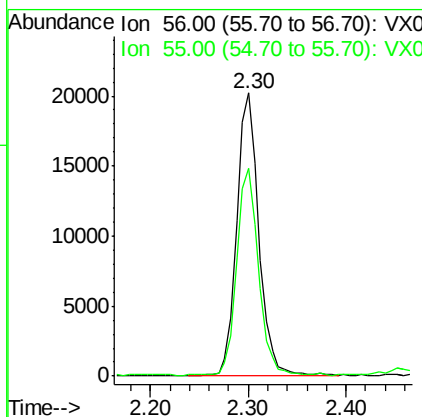
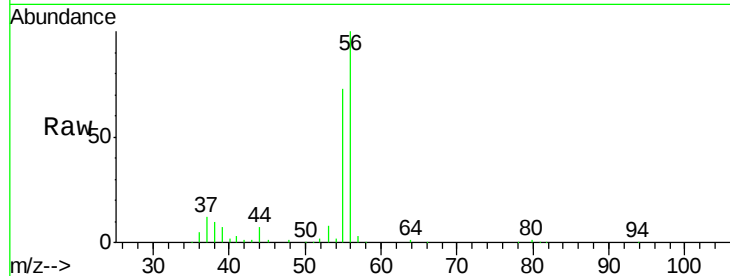
#13
Acrolein
Concen: 140.937 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.4	57.2	85.8	

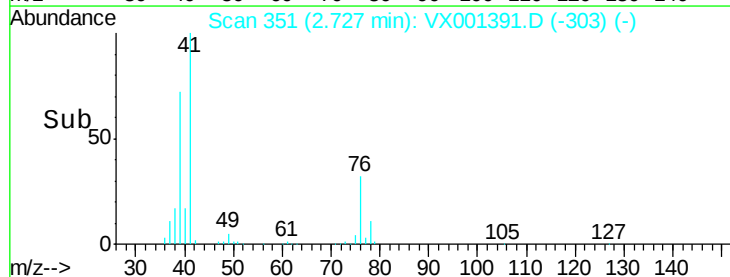
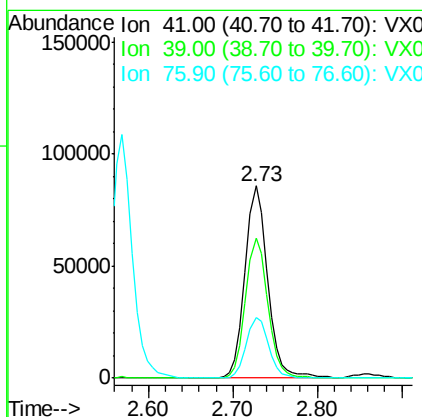
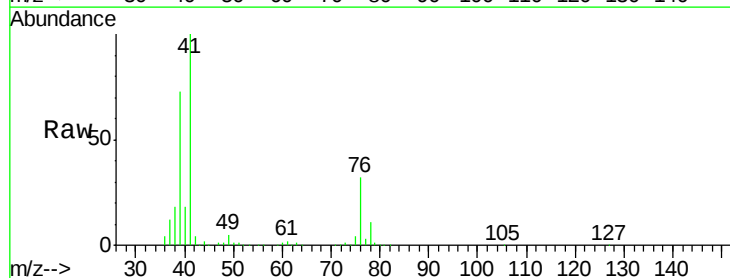
Manual Integrations
APPROVED

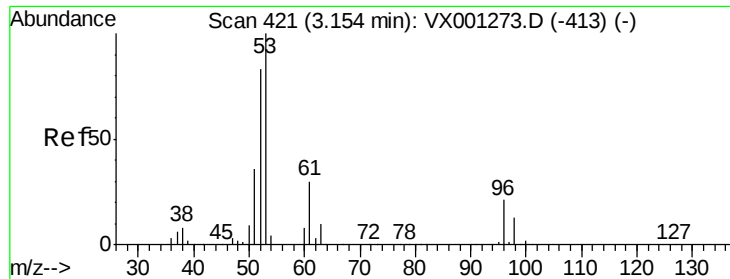
MMDadoda
5/7/2018 7:28:00 PM



#14
Allyl chloride
Concen: 53.248 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	72.1	58.1	87.1	
76	31.4	25.1	37.7	





#15

Acrylonitrile

Concen: 287.025 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

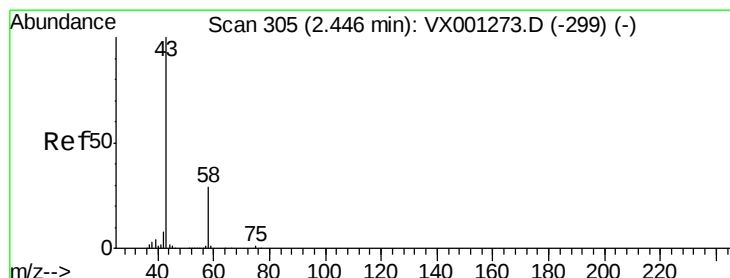
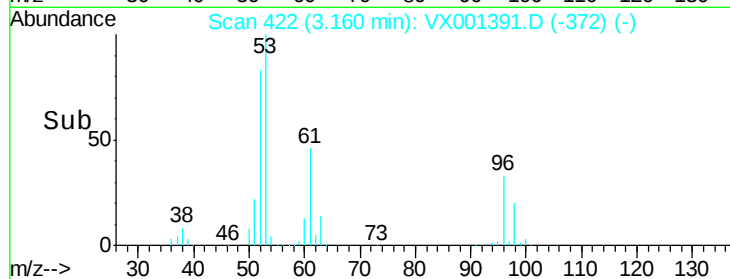
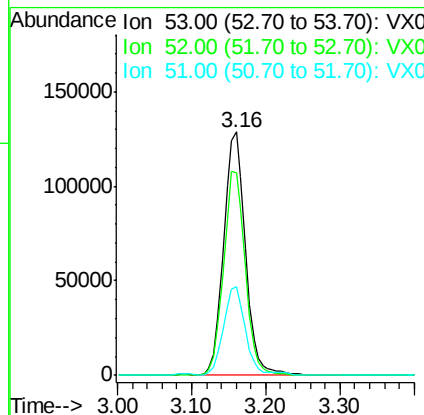
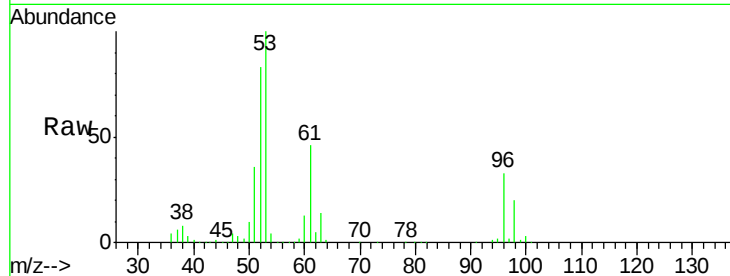
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	261542
Ion Ratio	Lower	Upper	
53	100		
52	83.3	67.0	100.4
51	37.2	29.9	44.9

Manual Integrations
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MMDadoda
5/7/2018 7:28:00 PM



#16

Acetone

Concen: 261.138 ug/l

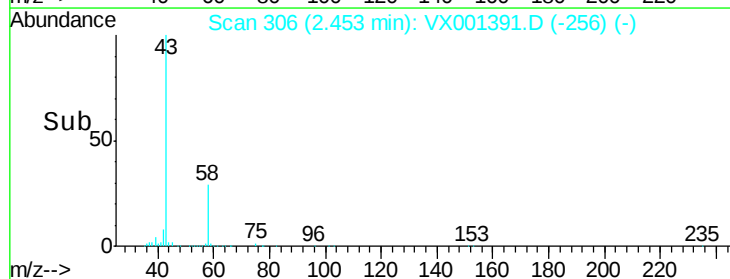
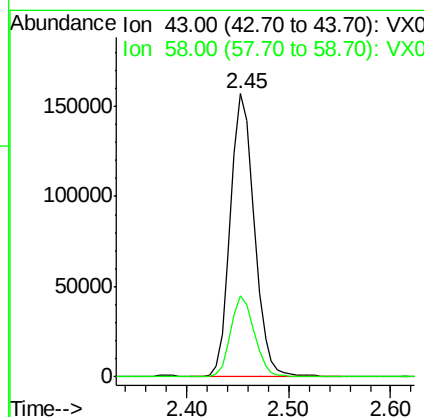
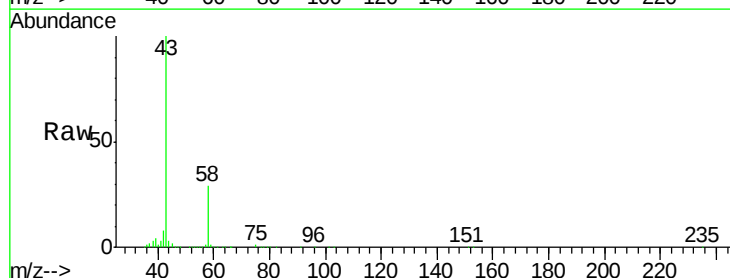
RT: 2.45 min Scan# 306

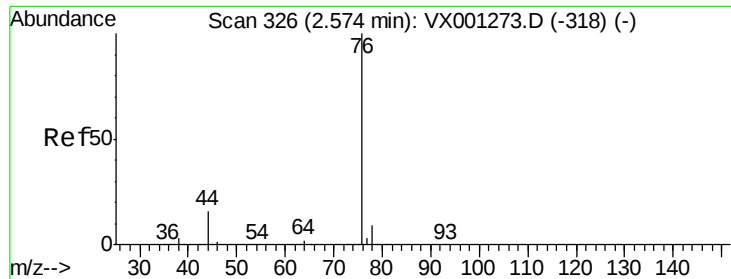
Delta R.T. 0.01 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Tgt Ion:	43	Resp:	254723
Ion Ratio	Lower	Upper	
43	100		
58	28.6	22.8	34.2





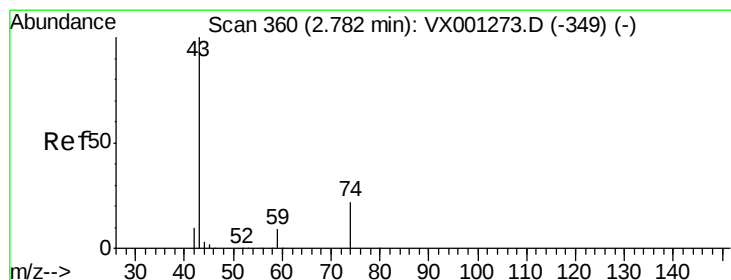
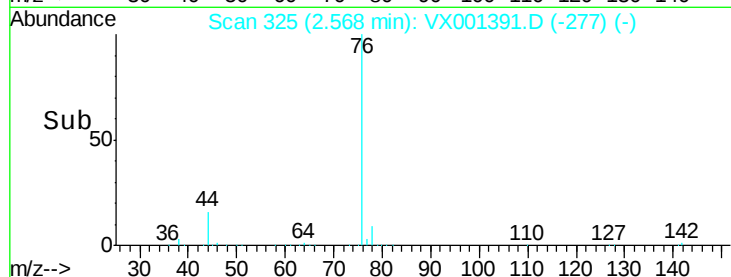
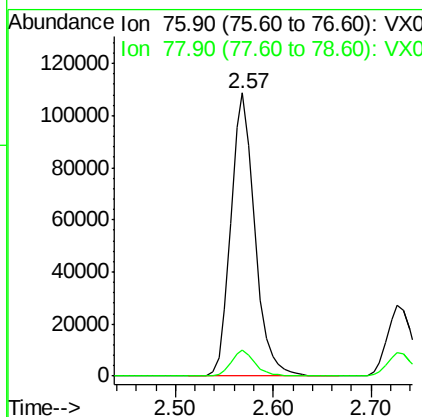
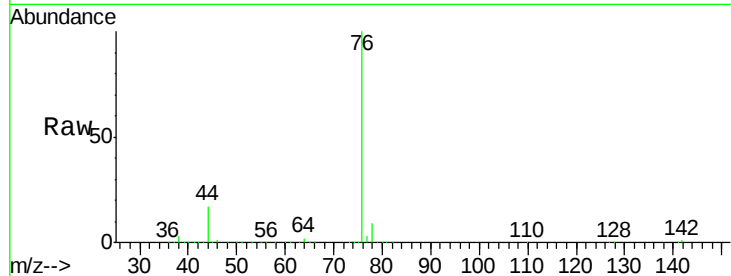
#17
Carbon Disulfide
Concen: 42.900 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

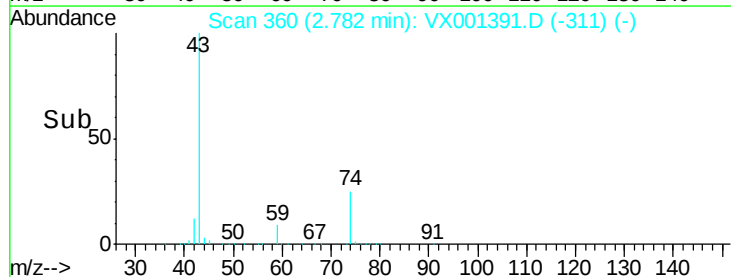
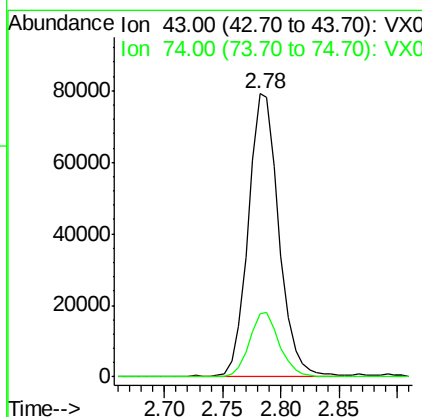
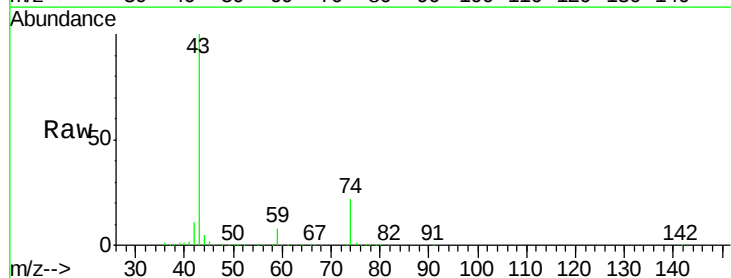
Manual Integrations
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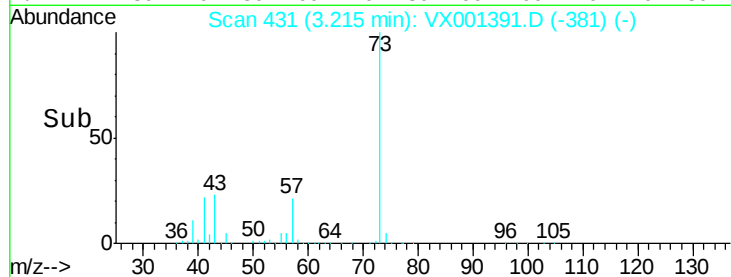
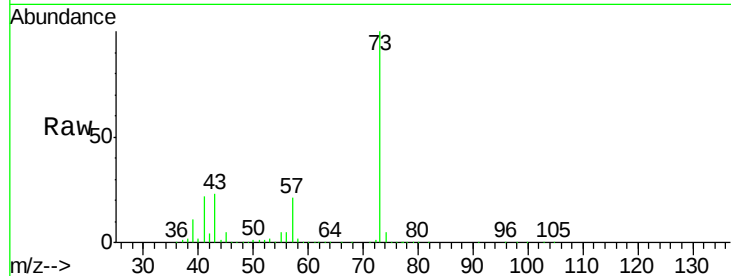
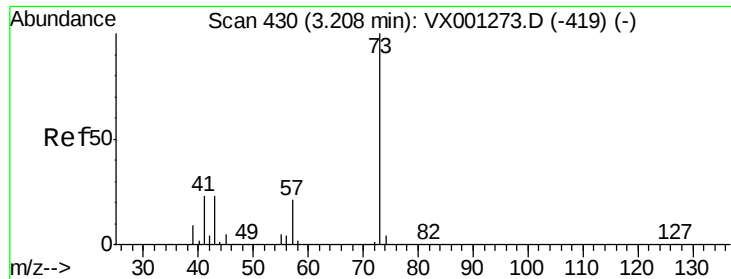
MMDadoda
5/7/2018 7:28:00 PM



#18
Methyl Acetate
Concen: 62.623 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.8	26.6





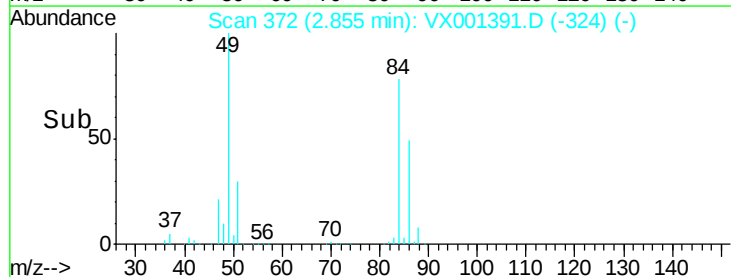
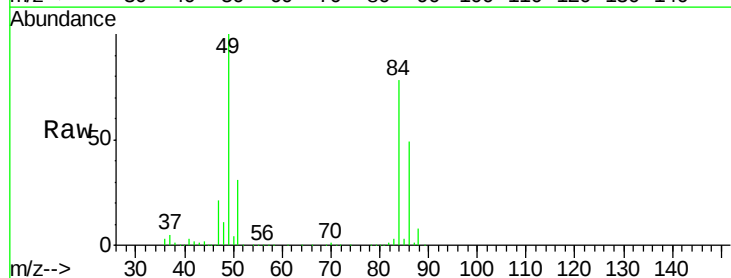
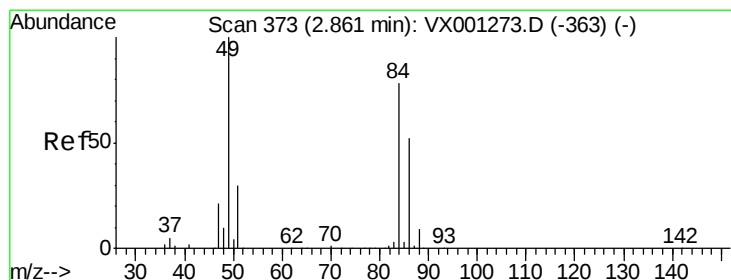
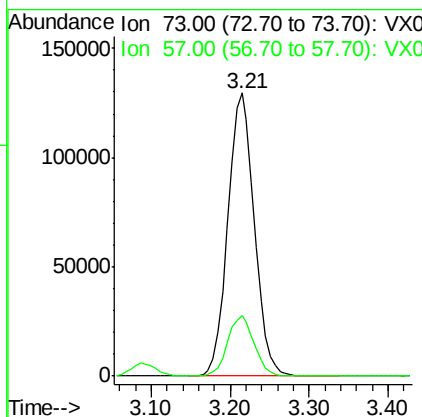
#19
Methvl tert-butvl Ether
Concen: 53.542 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tot Ion	73	Resp	302001
Ion Ratio	100	Lower	Upper
73	100		
57	21.5	16.8	25.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

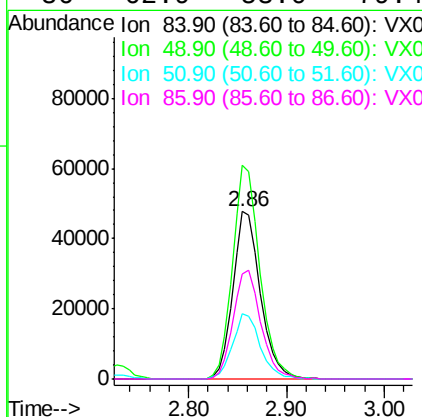
Manual Integrations
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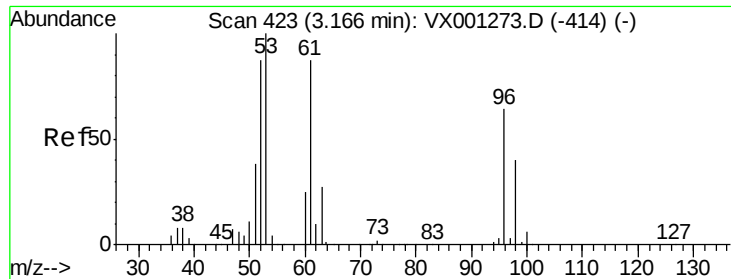
MMDadoda
5/7/2018 7:28:00 PM



#20
Methylene Chloride
Concen: 53.106 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	84	Resp	93294
Ion Ratio	100	Lower	Upper
84	100		
49	127.8	102.8	154.2
51	38.9	30.9	46.3
86	62.9	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 48.416 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

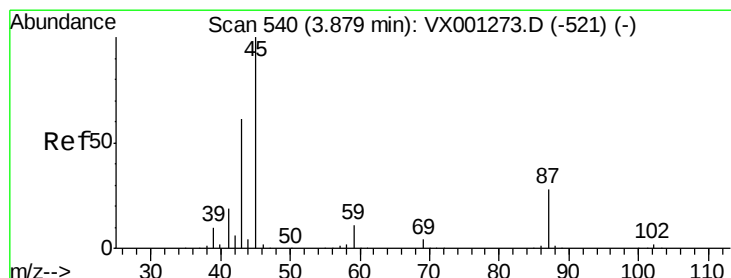
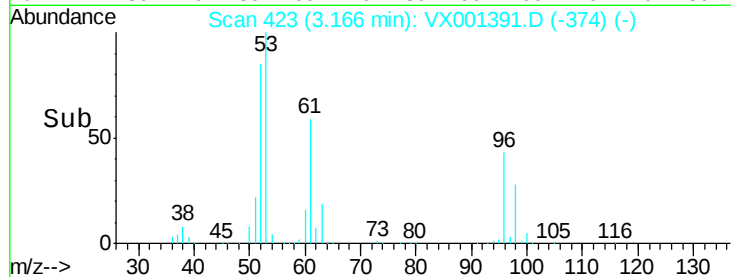
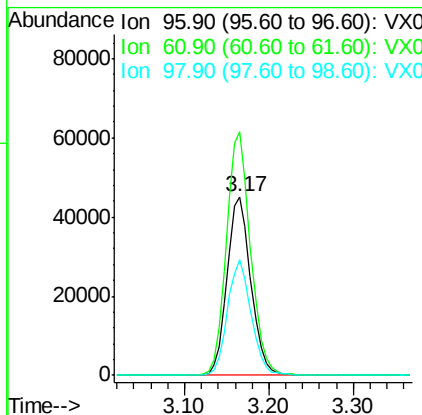
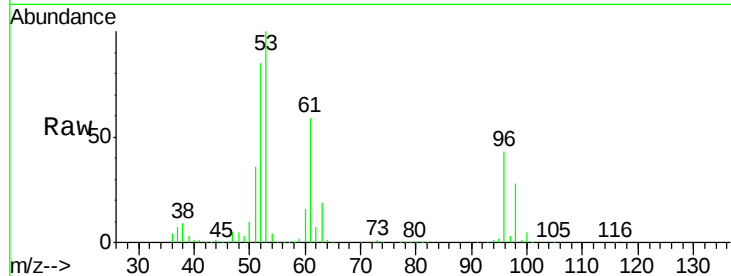
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	87264
Ion	Ratio	Lower	Upper
96	100		
61	136.0	108.6	162.8
98	65.0	49.7	74.5

Manual Integrations
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MMDadoda
5/7/2018 7:28:00 PM



#22

Diisopropyl ether

Concen: 48.241 ug/l

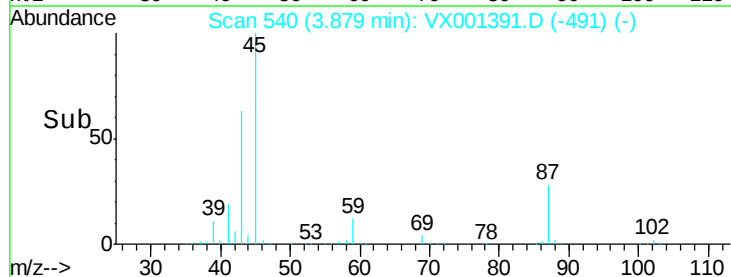
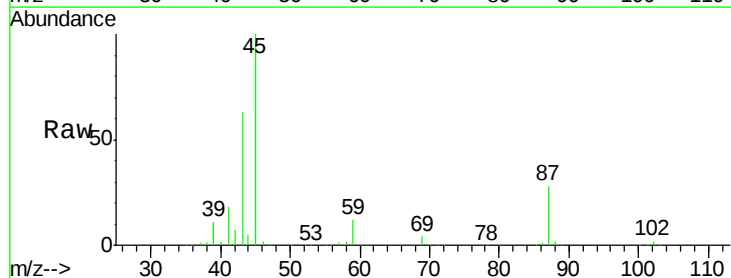
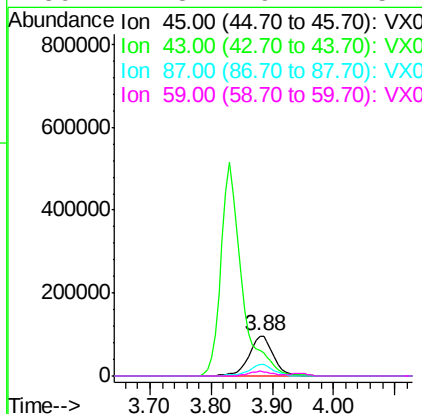
RT: 3.88 min Scan# 540

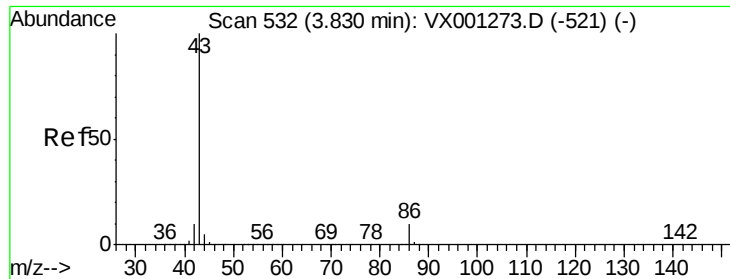
Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Tgt Ion:	45	Resp:	269180
Ion	Ratio	Lower	Upper
45	100		
43	62.5	48.7	73.1
87	27.5	22.2	33.4
59	11.8	9.1	13.7





#23

Vinyl Acetate

Concen: 259.256 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1225851

Ion Ratio Lower Upper

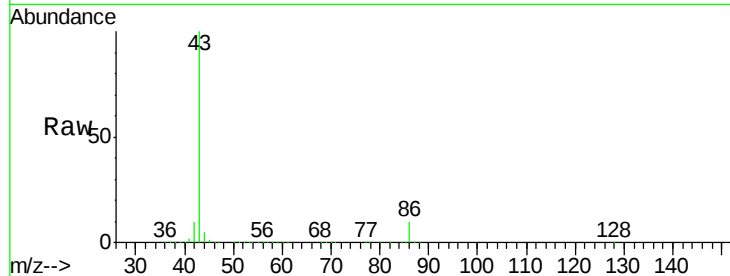
43 100

86 9.9 8.2 12.4

Manual Integrations
APPROVED

MMDadoda

5/7/2018 7:28:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

600000

500000

400000

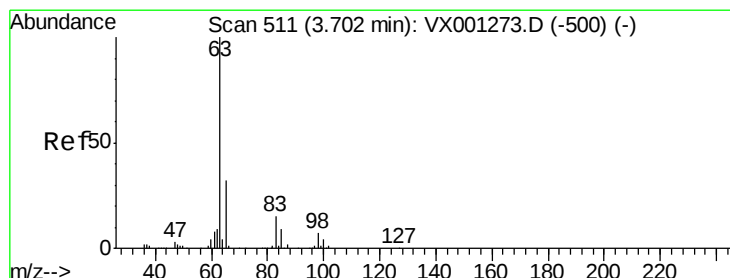
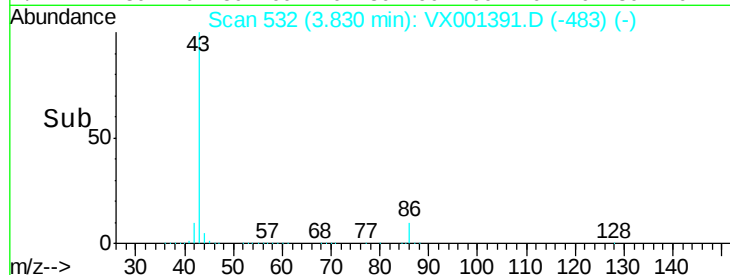
300000

200000

100000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 53.899 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

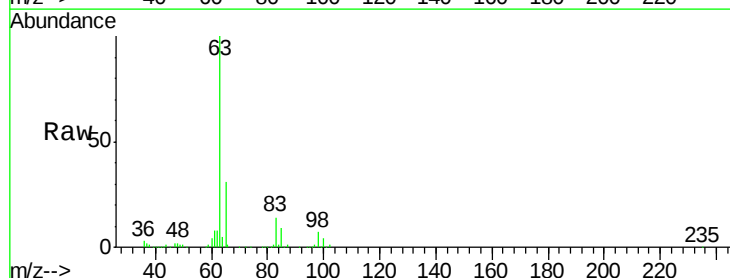
Tgt Ion: 63 Resp: 167530

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

80000

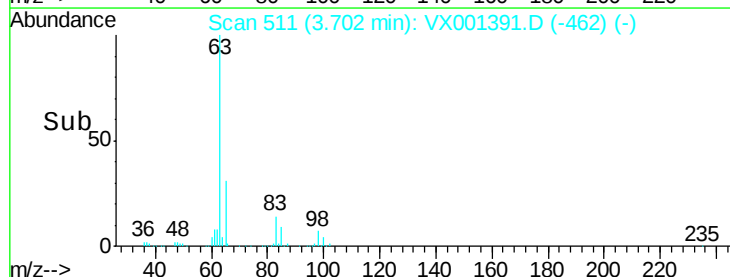
60000

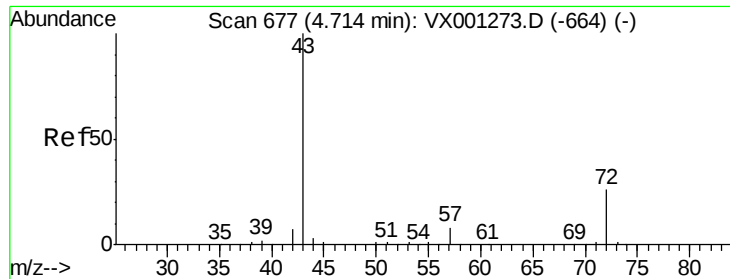
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 263.234 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 347178

Ion Ratio Lower Upper

43 100

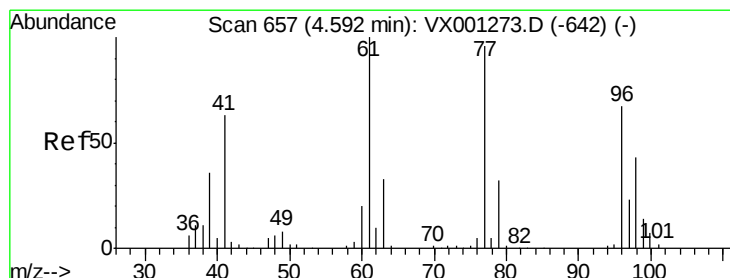
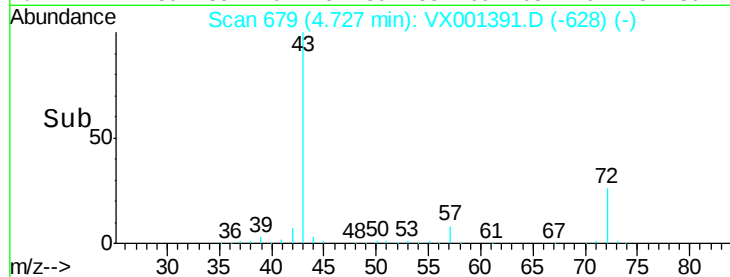
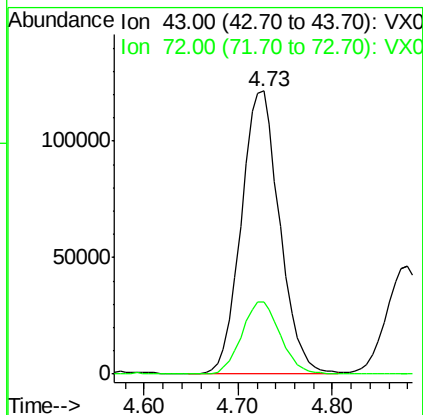
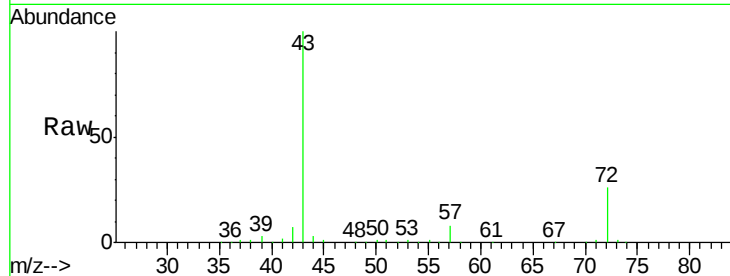
72 25.6 20.5 30.7

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:00 PM



#26

2,2-Dichloropropane

Concen: 47.671 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001391.D

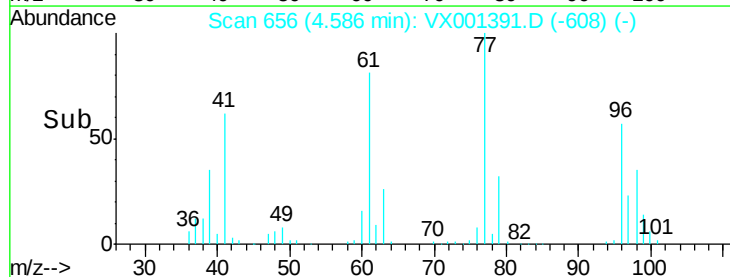
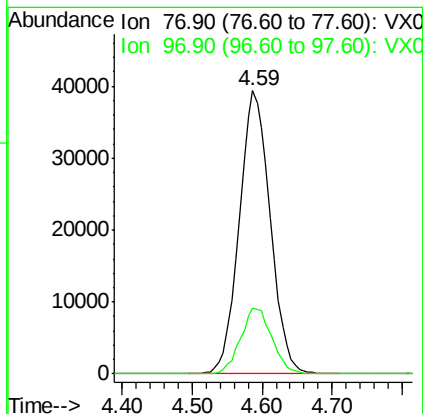
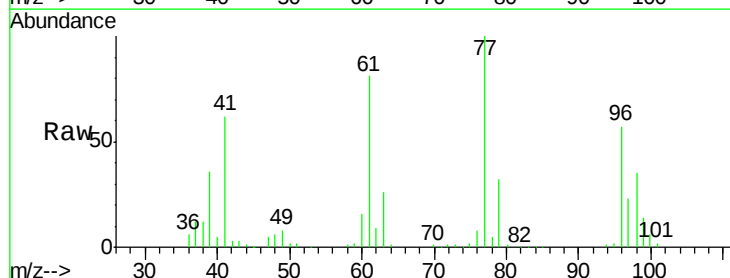
Acq: 04 May 2018 11:40

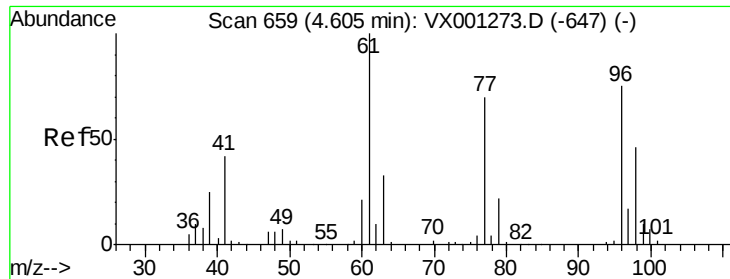
Tgt Ion: 77 Resp: 120574

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

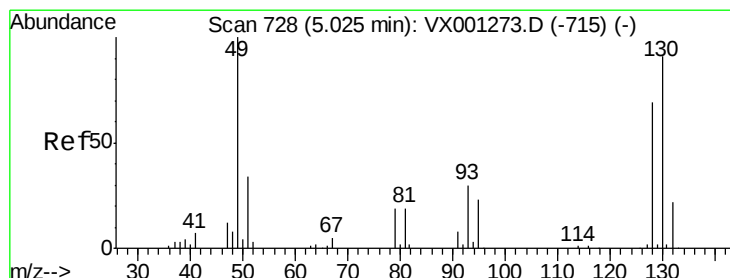
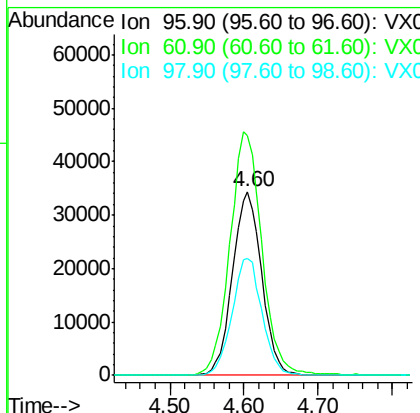
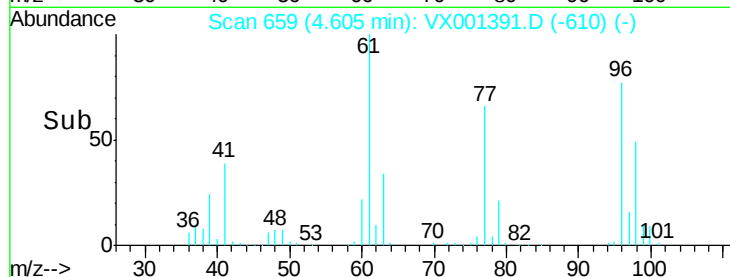
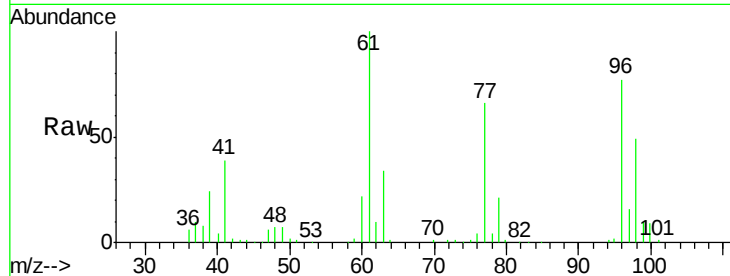
cis-1,2-Dichloroethene
Concen: 47.706 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	0.0	288.0
98	65.0	0.0	130.2

Manual Integrations
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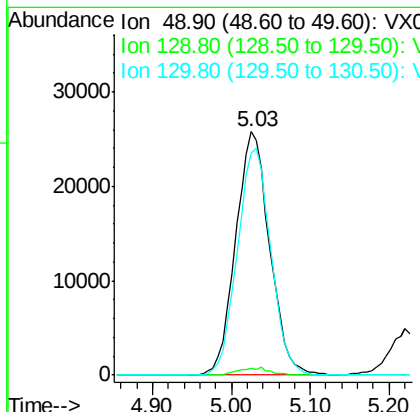
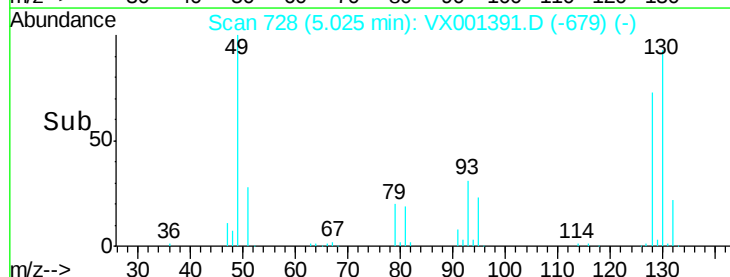
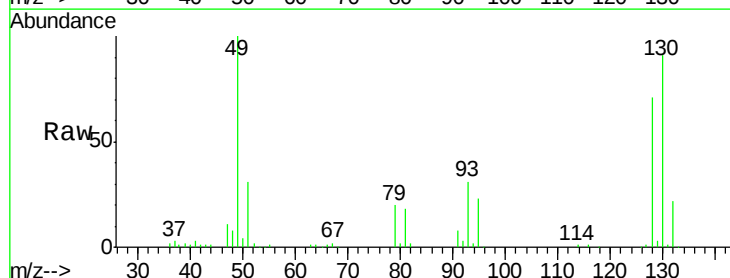
MMDadoda
5/7/2018 7:28:00 PM

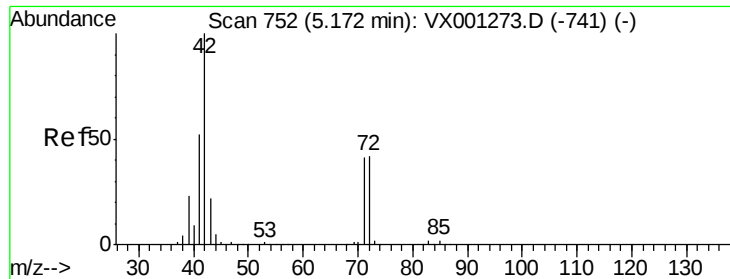


#28

Bromochloromethane
Concen: 55.137 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	4.8
130	91.9	70.4	105.6





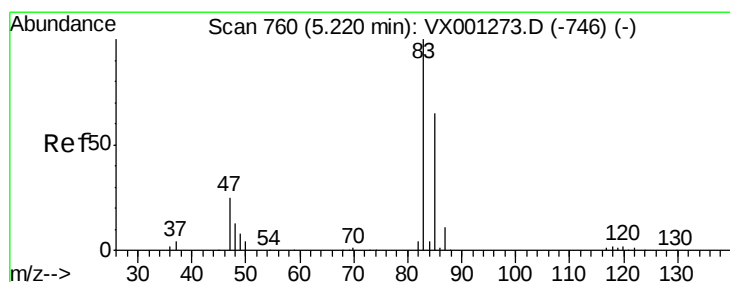
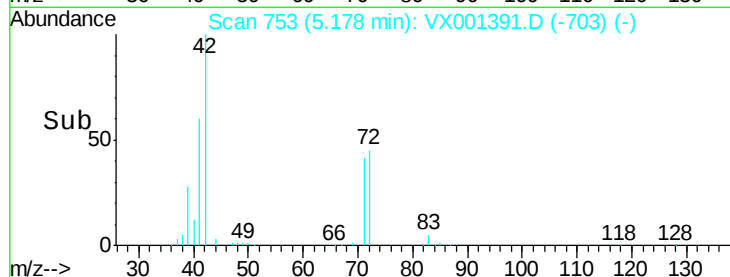
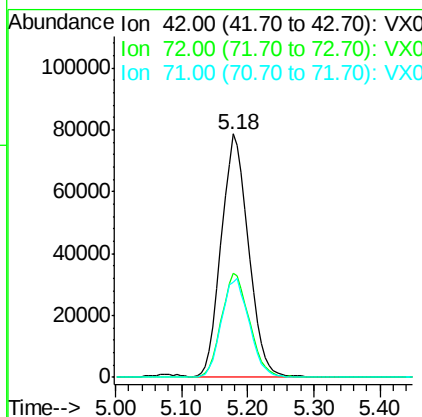
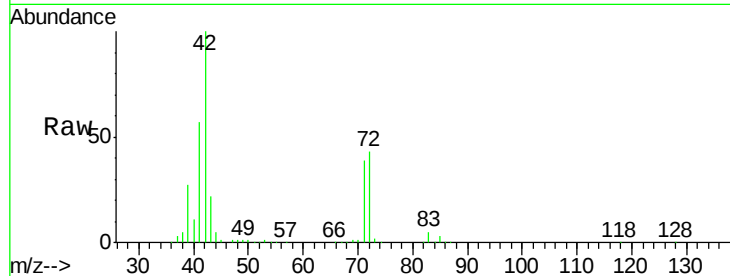
#29
Tetrahydrofuran
Concen: 275.823 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.6	52.0
71	41.4	32.7	49.1

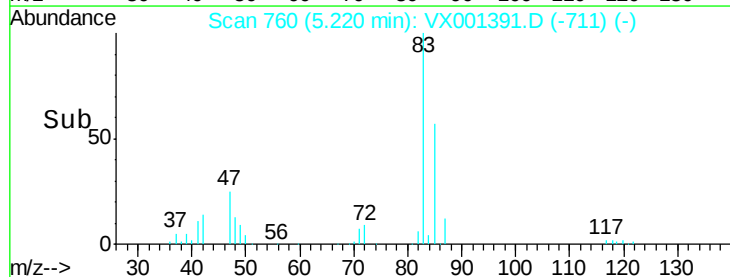
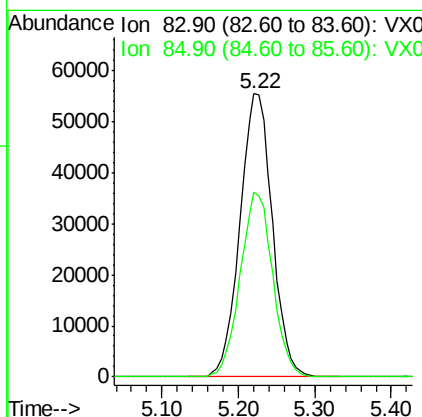
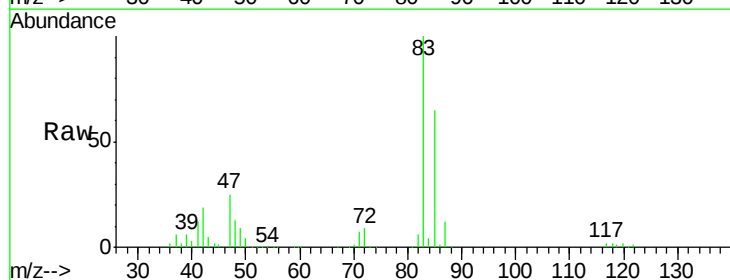
Manual Integrations
APPROVED

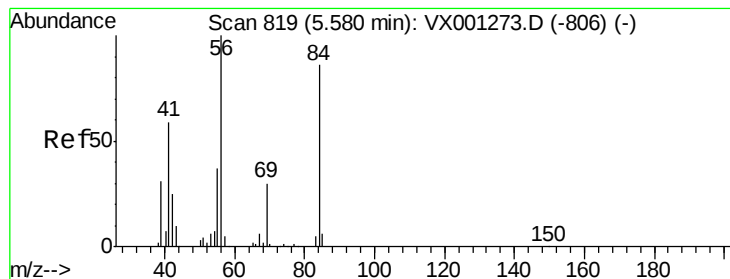
MMDadoda
5/7/2018 7:28:00 PM



#30
Chloroform
Concen: 49.519 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.2





#31

Cyclohexane

Concen: 44.766 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

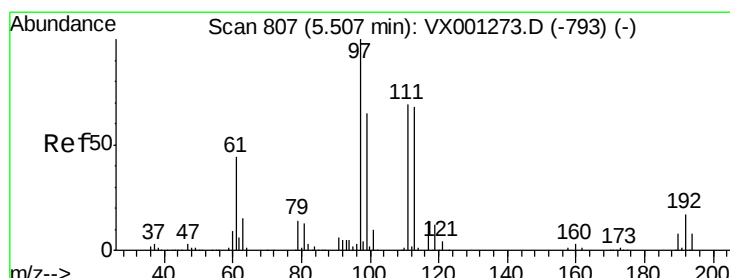
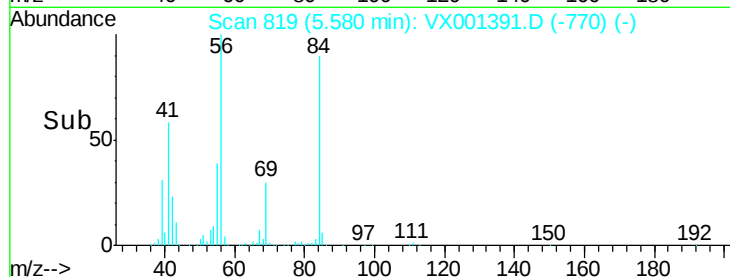
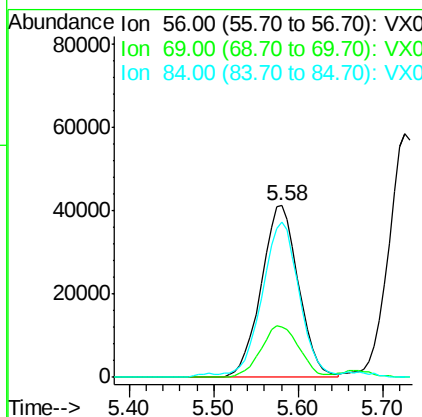
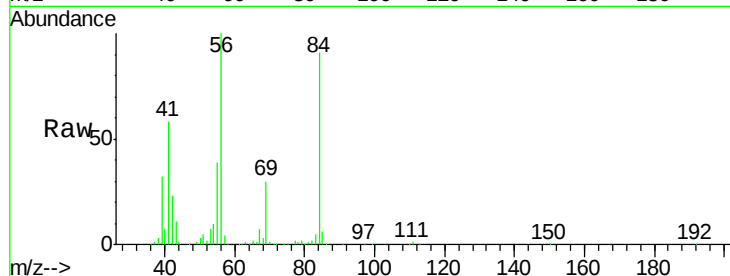
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	125667
Ion	Ratio	Lower	Upper
56	100		
69	29.7	24.0	36.0
84	90.1	69.0	103.4

Manual Integrations
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MMDadoda
5/7/2018 7:28:00 PM



#32

1,1,1-Trichloroethane

Concen: 49.804 ug/l

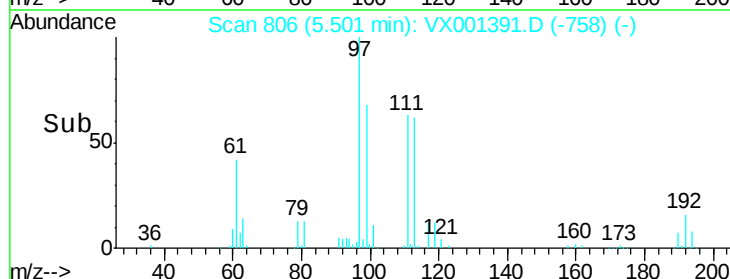
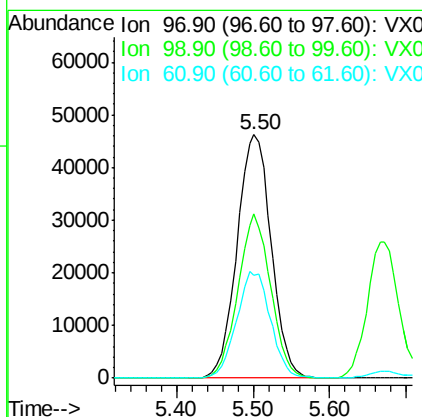
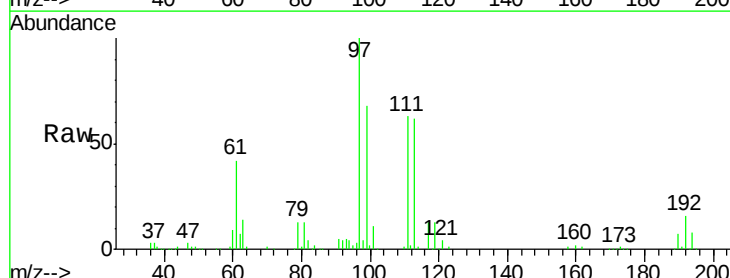
RT: 5.50 min Scan# 806

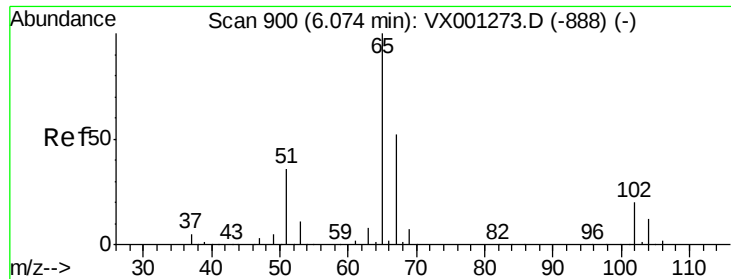
Delta R.T. -0.01 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Tgt Ion:	97	Resp:	143017
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	43.5	35.4	53.2





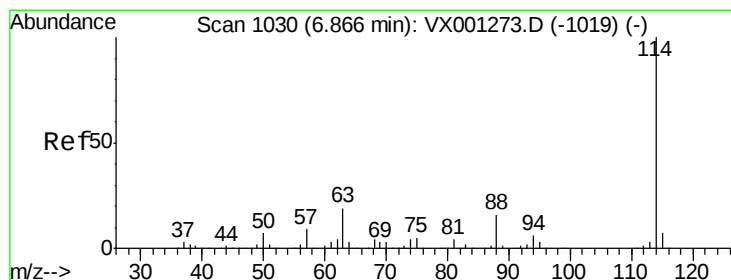
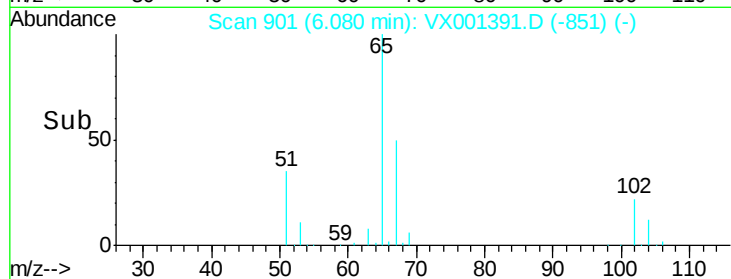
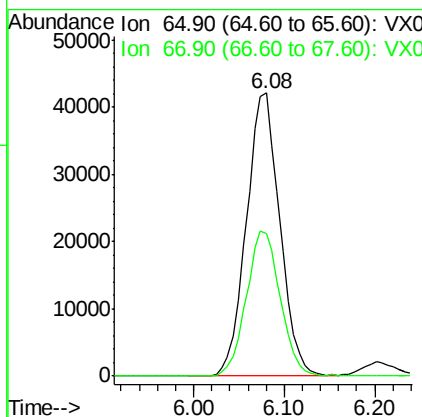
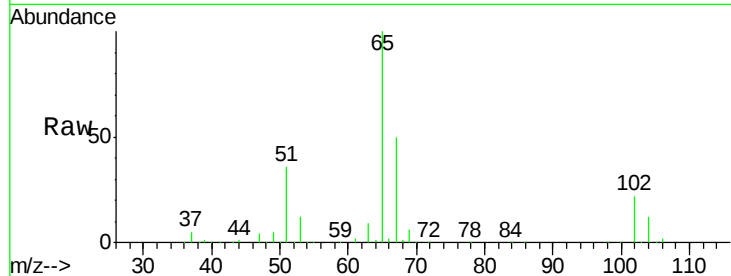
#33
 1,2-Dichloroethane-d4
 Concen: 46.981 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107359		
67	51.9	0.0	102.8	

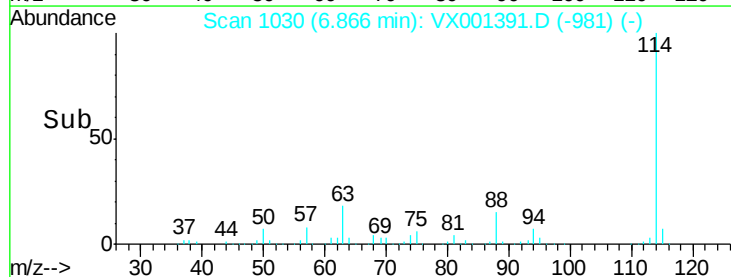
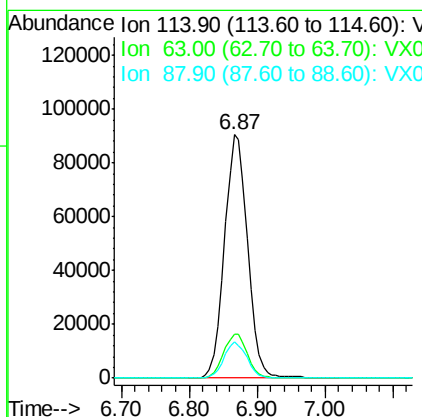
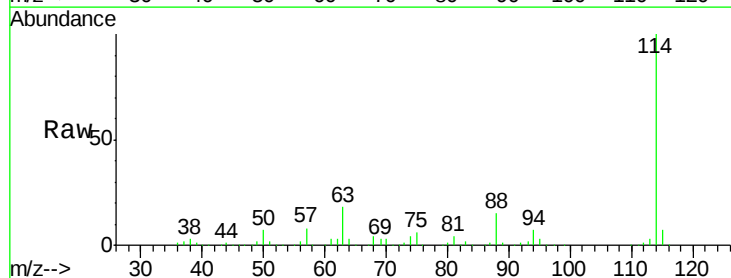
Manual Integrations
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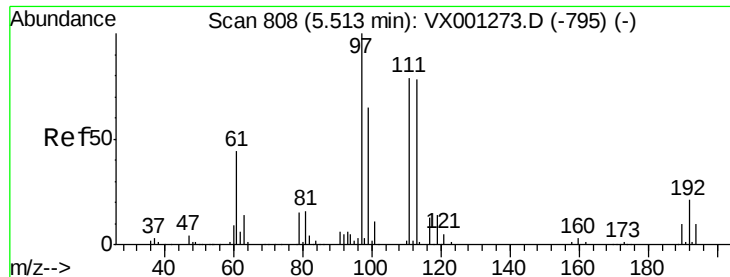
MMDadoda
 5/7/2018 7:28:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	213604		
63	18.1	0.0	38.8	
88	15.0	0.0	32.2	





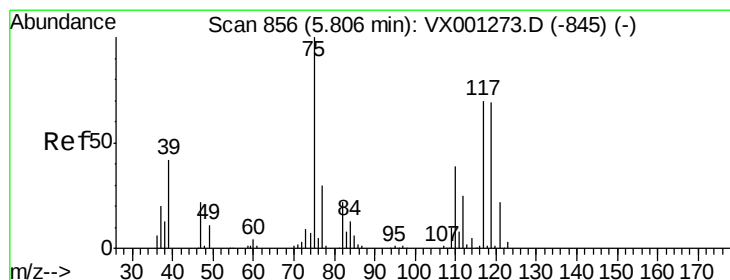
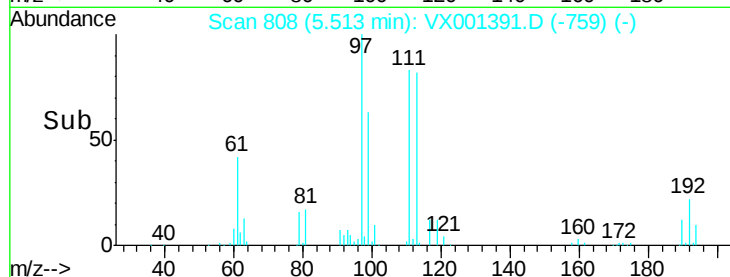
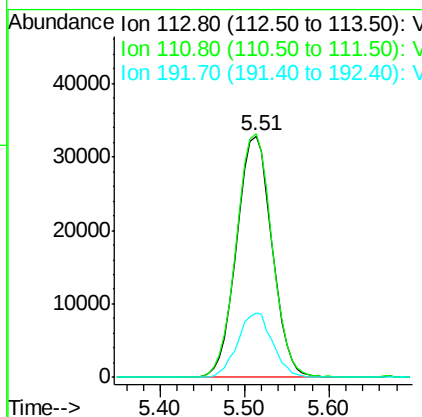
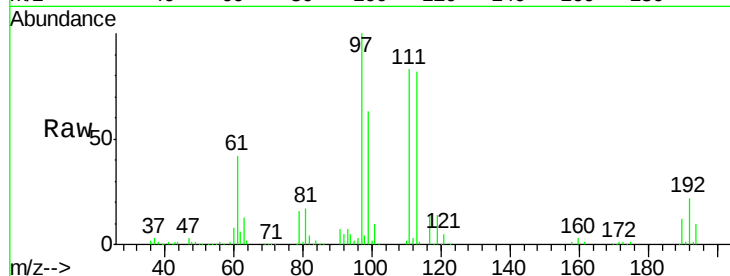
#35
Dibromofluoromethane
Concen: 50.681 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.2	121.8
192	26.2	20.7	31.1

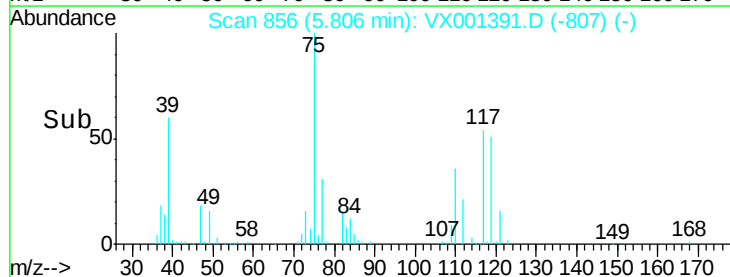
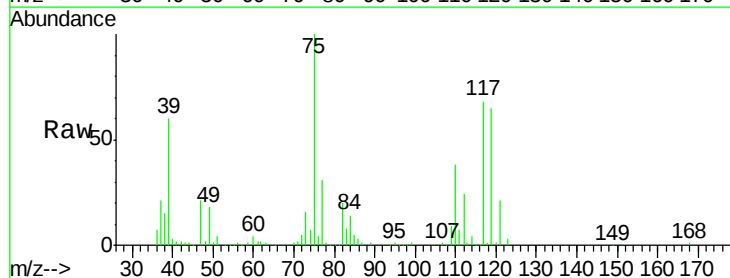
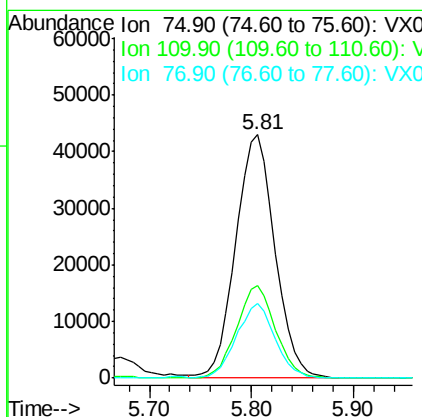
Manual Integrations
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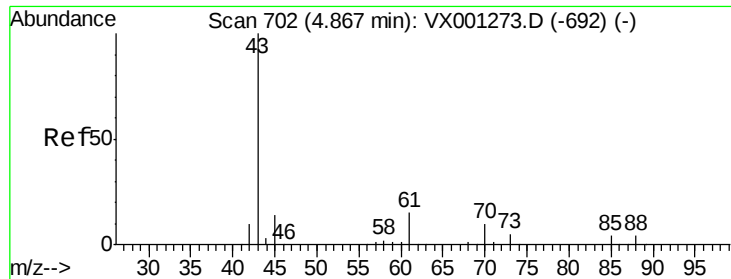
MMDadoda
5/7/2018 7:28:00 PM



#36
1,1-Dichloropropene
Concen: 46.184 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.9	56.9
77	30.2	24.2	36.2





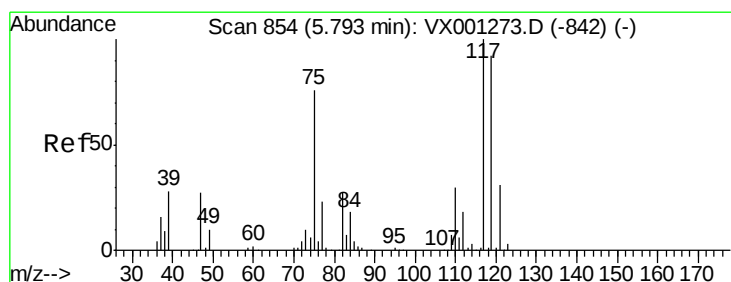
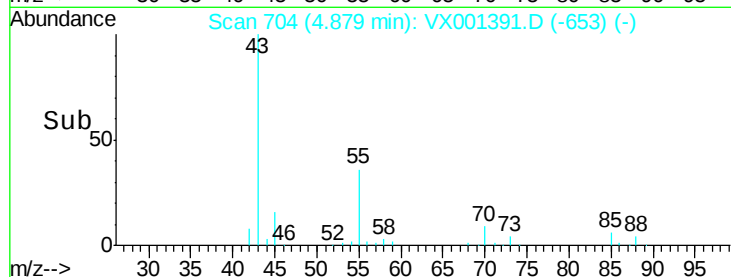
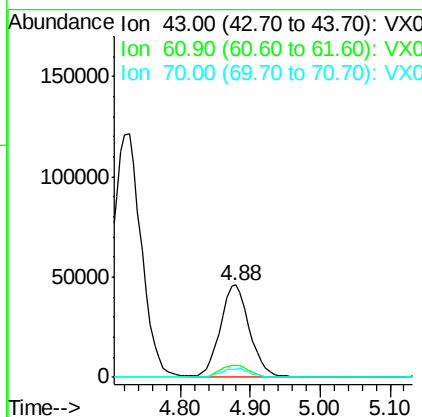
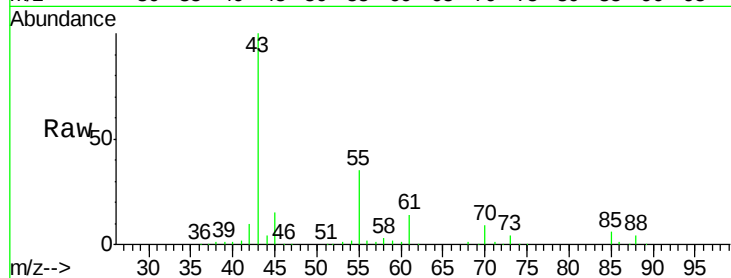
#37
Ethyl Acetate
Concen: 53.548 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	9.9	8.0	12.0

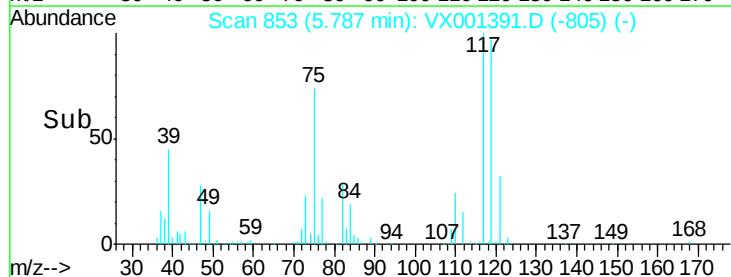
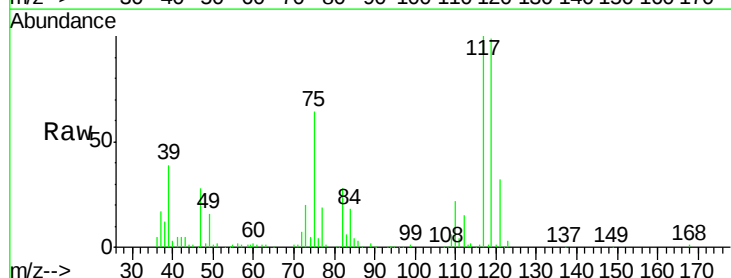
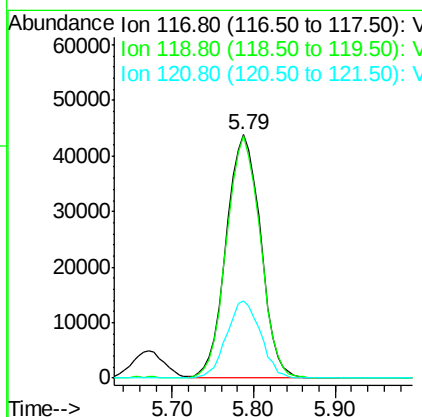
Manual Integrations
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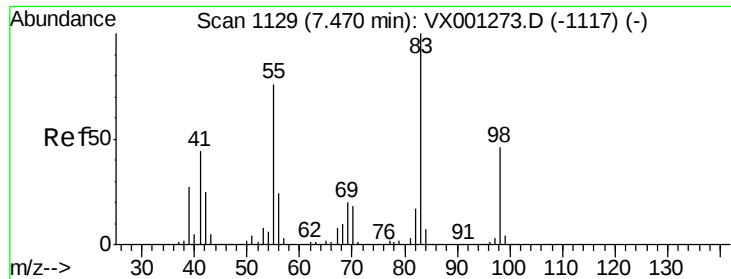
MMDadoda
5/7/2018 7:28:00 PM



#38
Carbon Tetrachloride
Concen: 49.646 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	73.4	110.2
121	31.8	25.0	37.4





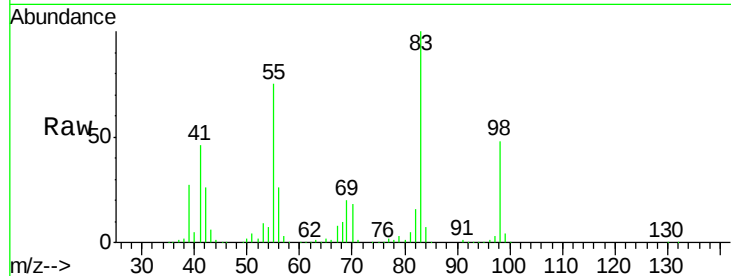
#39
Methvlcvclohexane
Concen: 46.091 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	134390		
55	74.8		60.4	90.6
98	47.6		37.0	55.6

Manual Integrations
APPROVED

MMDadoda
5/7/2018 7:28:00 PM

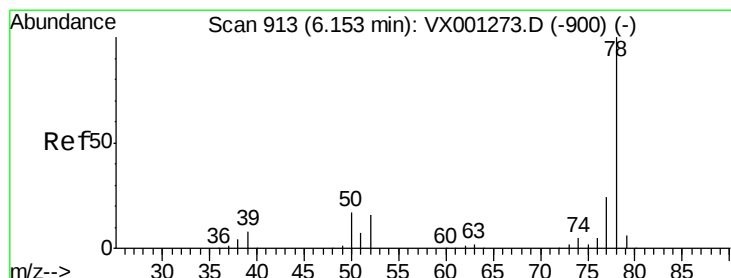
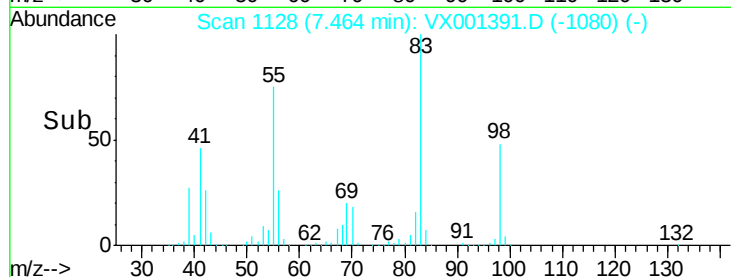
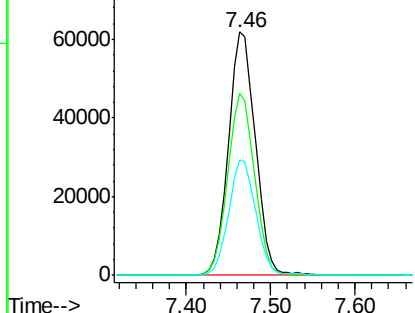


Abundance

Ion 83.00 (82.70 to 83.70): VX0

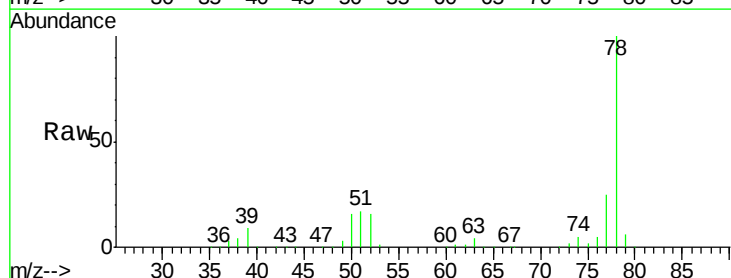
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 48.810 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

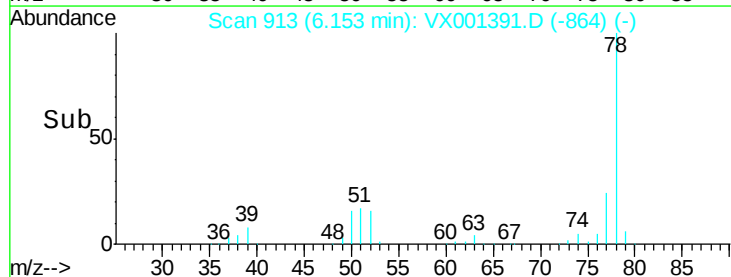
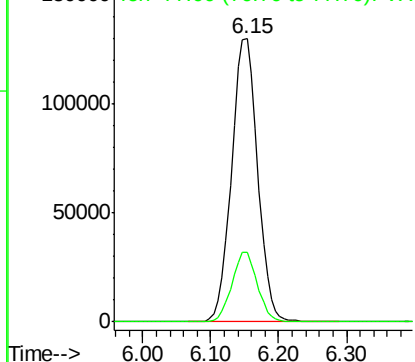
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	346157		
77	24.6		19.0	28.4

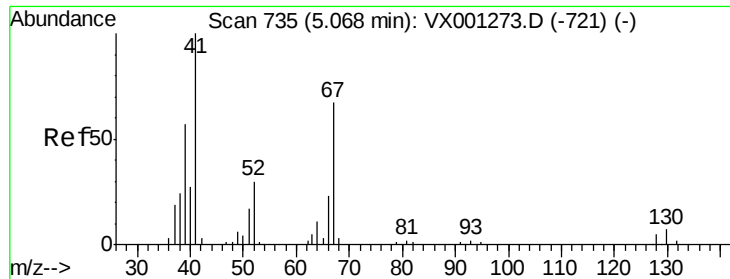


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





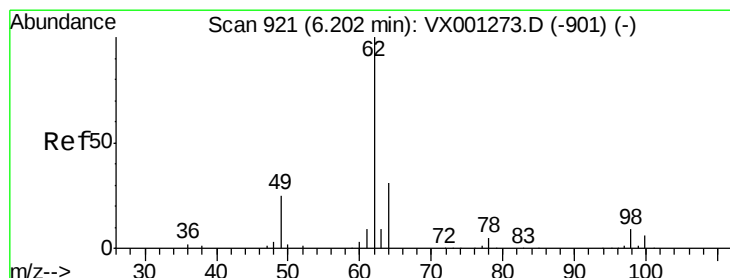
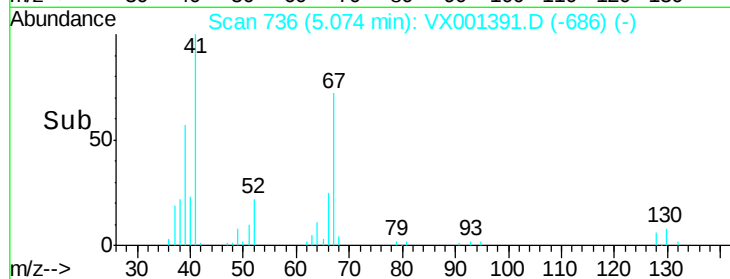
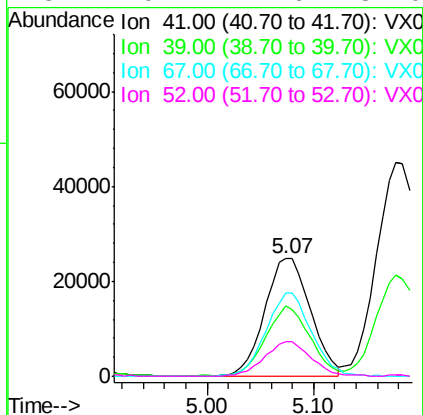
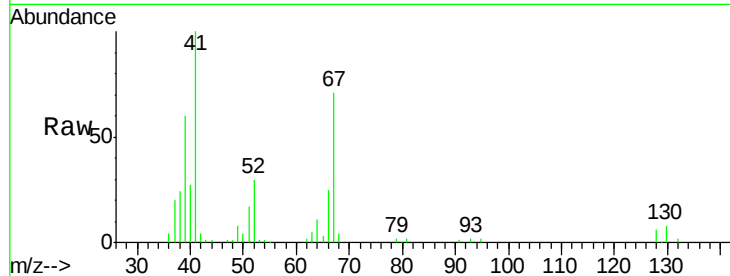
#41
Methacrylonitrile
Concen: 51.200 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	74233
Ion	Ratio	Lower	Upper
41	100		
39	56.1	45.8	68.8
67	69.9	54.8	82.2
52	29.1	24.6	37.0

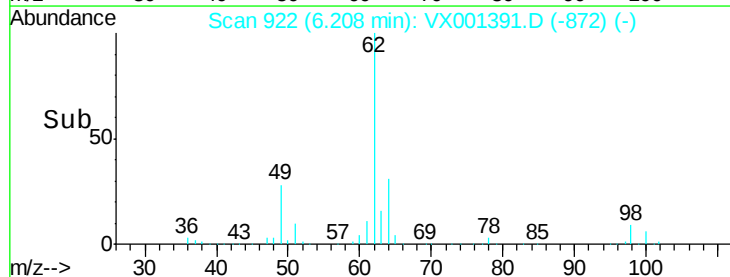
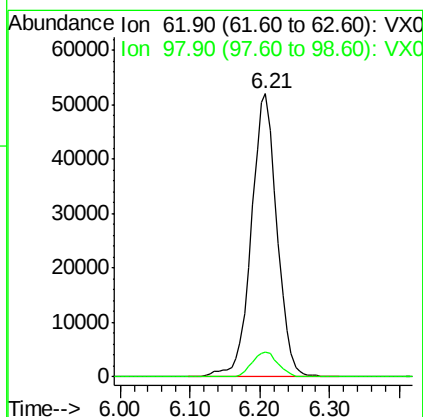
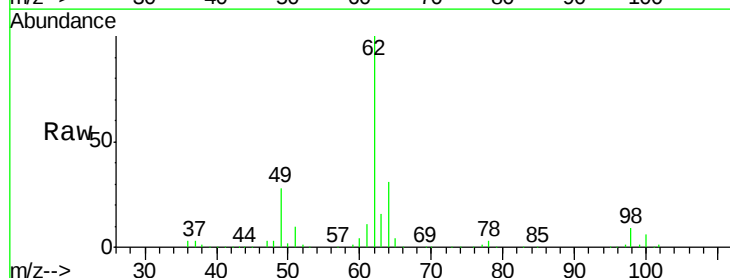
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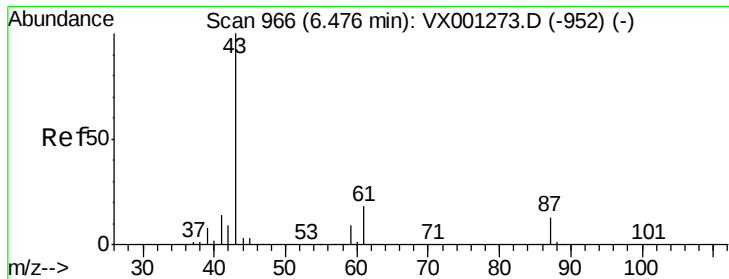
MMDadoda
5/7/2018 7:28:00 PM



#42
1,2-Dichloroethane
Concen: 48.068 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion:	62	Resp:	131988
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.2





#43

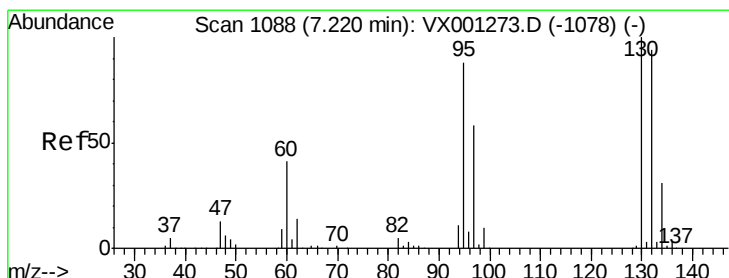
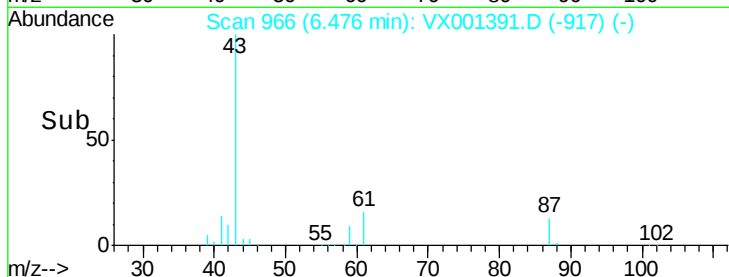
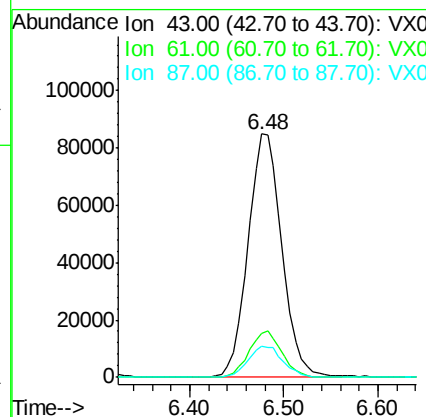
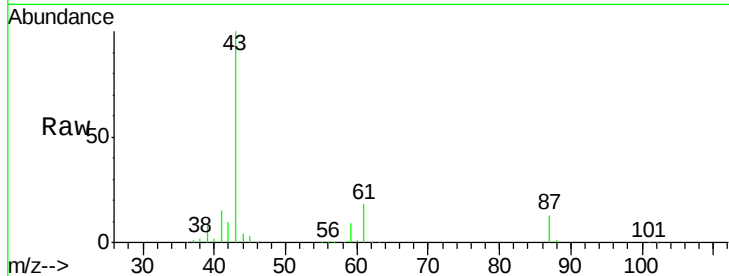
Isopropyl Acetate
 Concen: 52.759 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.0	22.4
87	13.3	10.2	15.4

Manual Integrations
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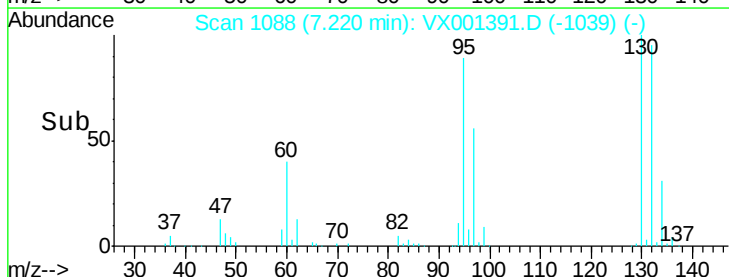
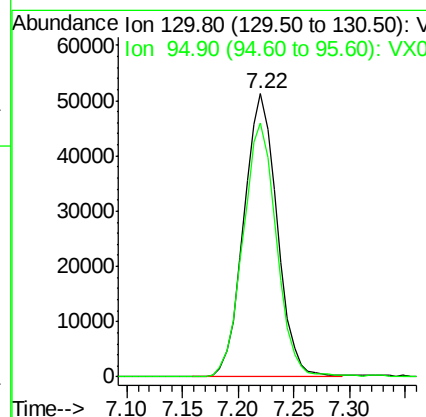
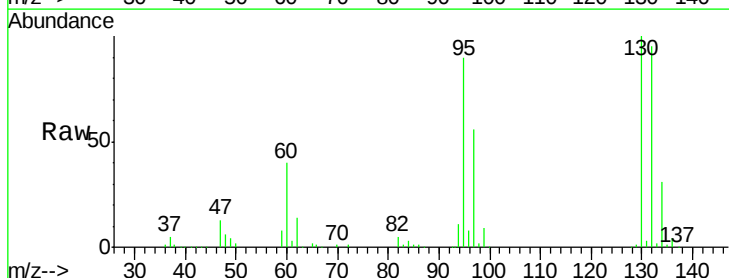
MMDadoda
 5/7/2018 7:28:00 PM

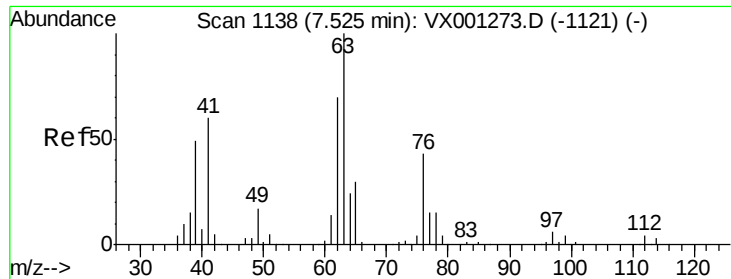


#44

Trichloroethene
 Concen: 49.165 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	176.0





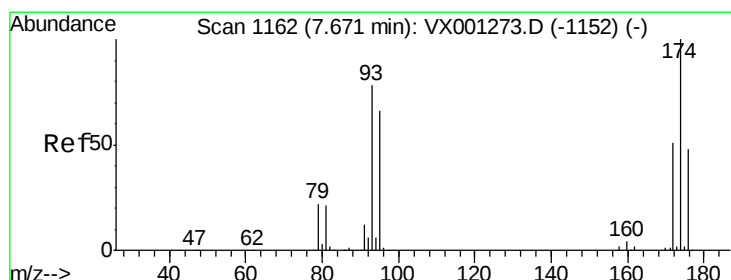
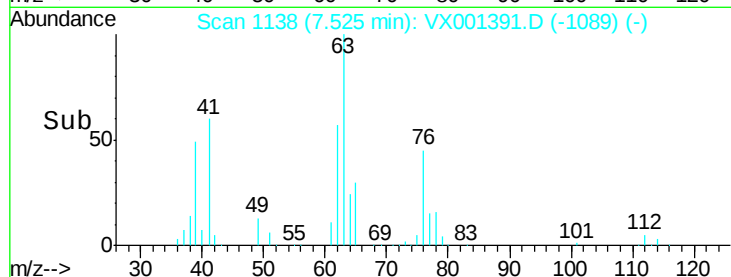
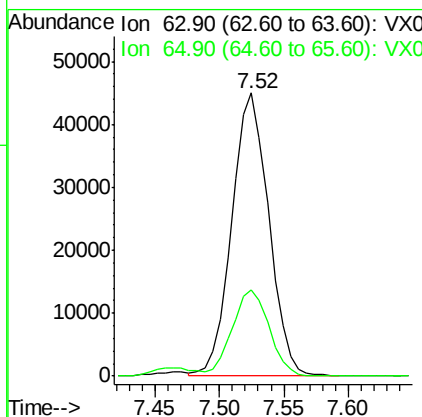
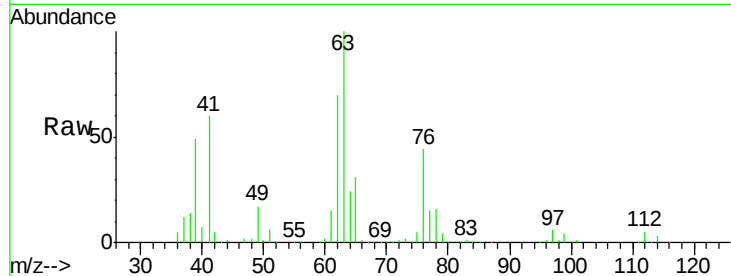
#45
 1,2-Dichloropropane
 Concen: 49.087 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 89399
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.2 36.4

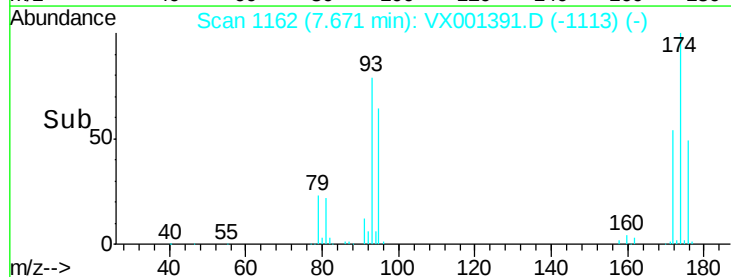
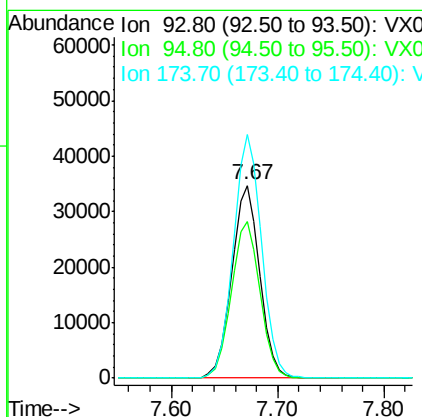
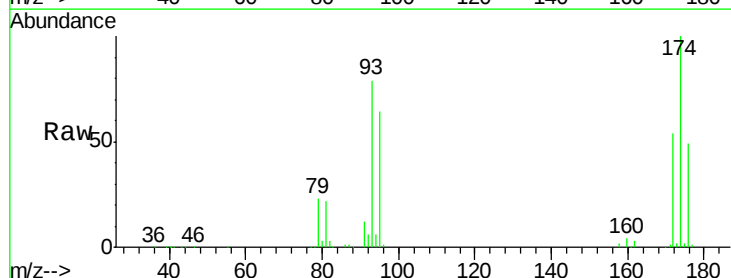
Manual Integrations
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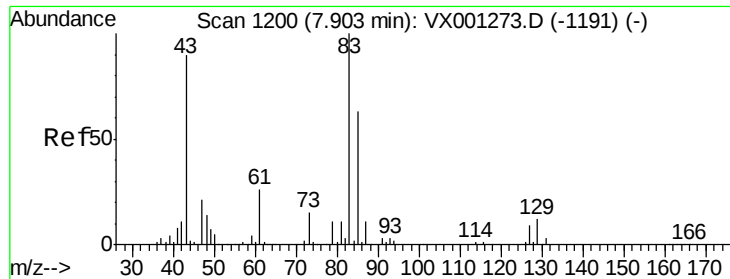
MMDadoda
 5/7/2018 7:28:00 PM



#46
 Dibromomethane
 Concen: 50.112 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion: 93 Resp: 63972
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.0 100.6
 174 127.9 102.3 153.5





#47

Bromodichloromethane

Concen: 51.579 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

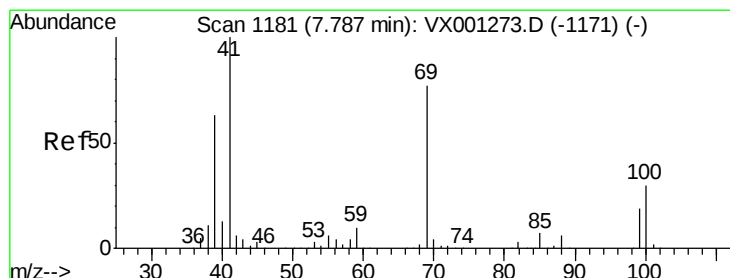
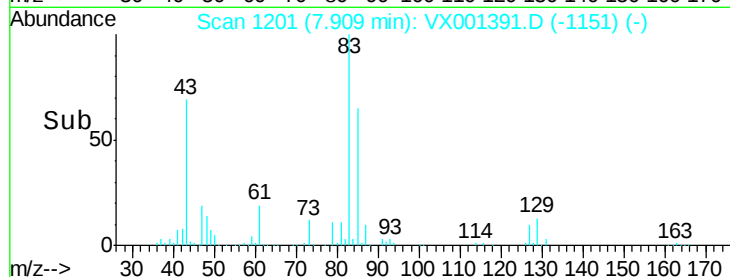
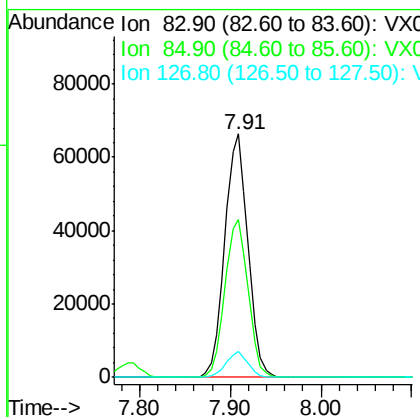
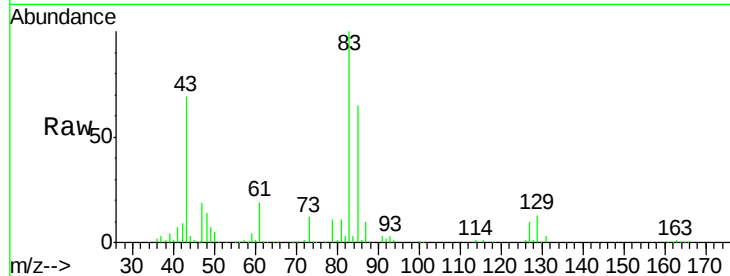
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	117729
Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.3	75.5
127	10.5	7.4	11.2

Manual Integrations
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MMDadoda
5/7/2018 7:28:00 PM



#48

Methyl methacrylate

Concen: 52.145 ug/l

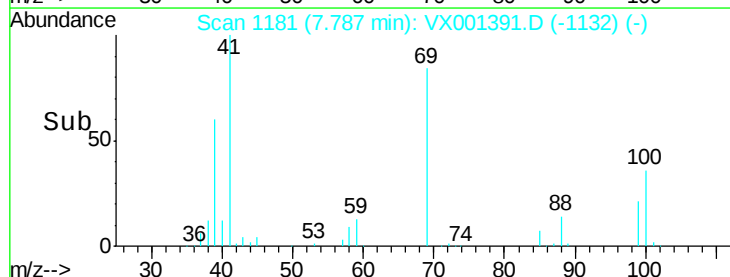
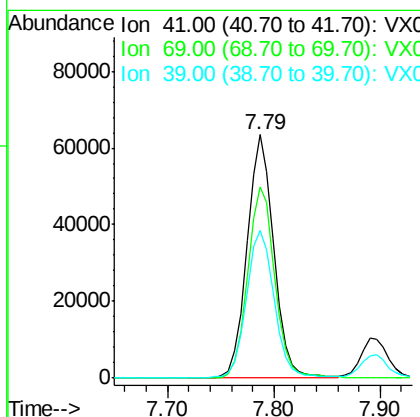
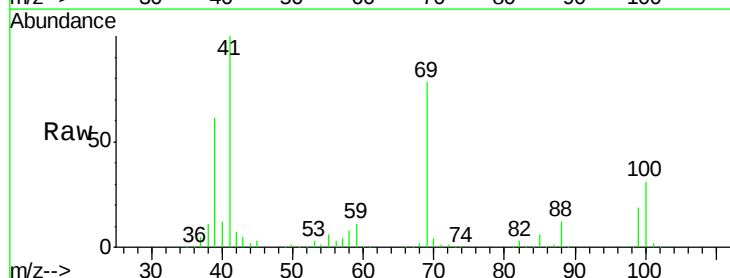
RT: 7.79 min Scan# 1181

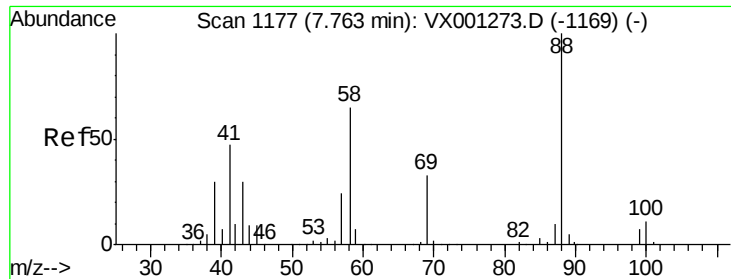
Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Tgt Ion:	41	Resp:	111715
Ion	Ratio	Lower	Upper
41	100		
69	80.3	63.0	94.6
39	62.5	50.2	75.4





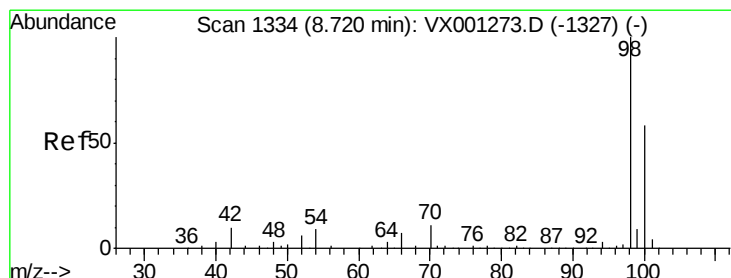
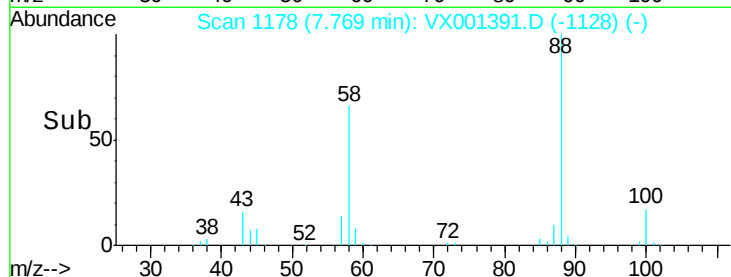
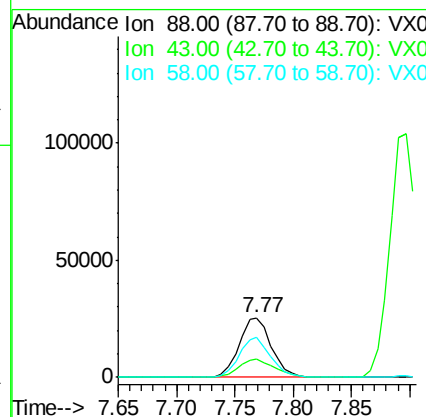
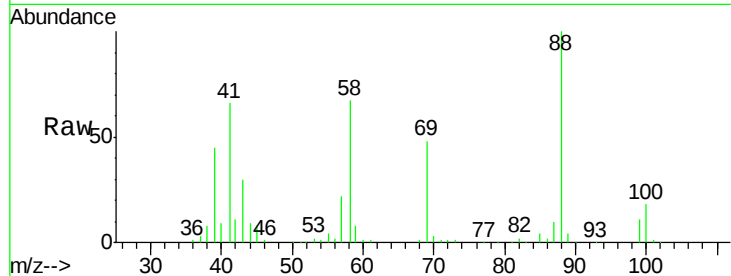
#49
1,4-Dioxane
Concen: 1202.205 ug/l
RT: 7.77 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.9	41.9
58	66.0	54.2	81.2

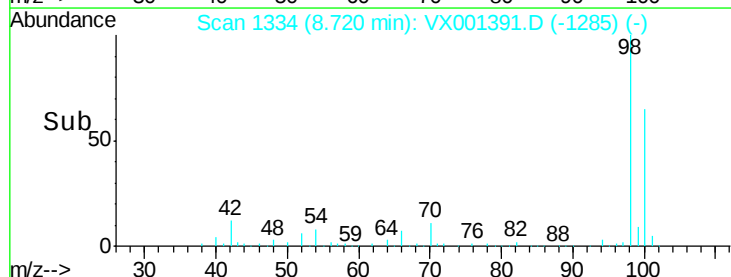
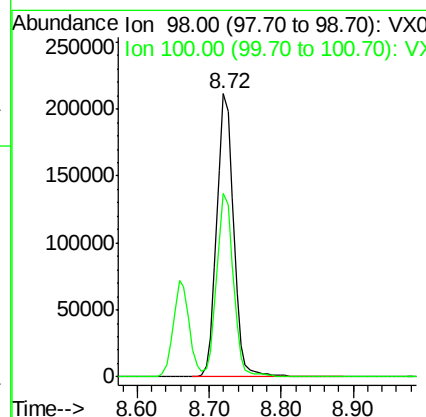
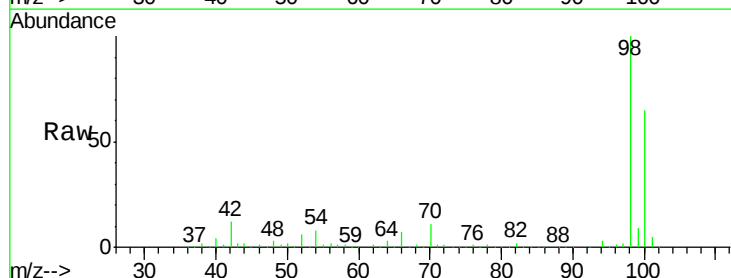
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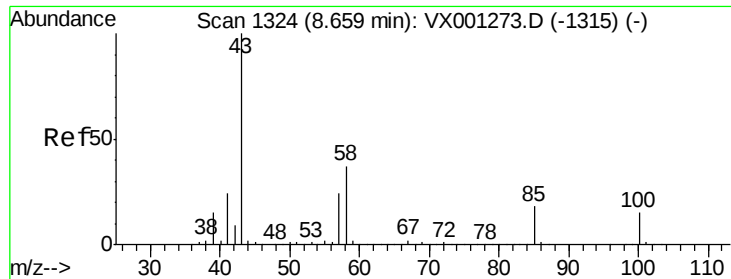
MMDadoda
5/7/2018 7:28:00 PM



#50
Toluene-d8
Concen: 51.972 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 284.622 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 739511

Ion Ratio Lower Upper

43 100

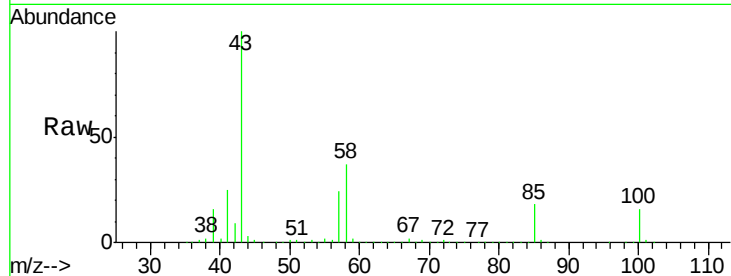
58 37.5 29.0 43.6

Manual Integrations

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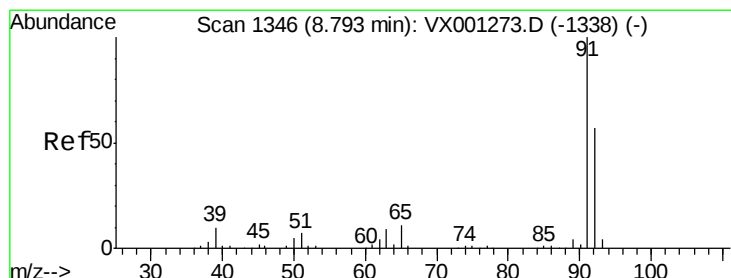
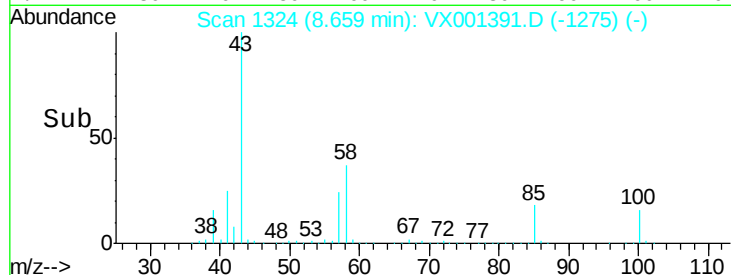
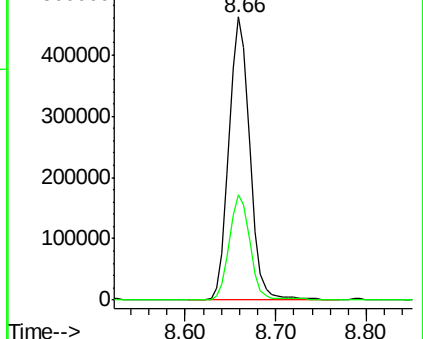
MMDadoda

5/7/2018 7:28:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.911 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001391.D

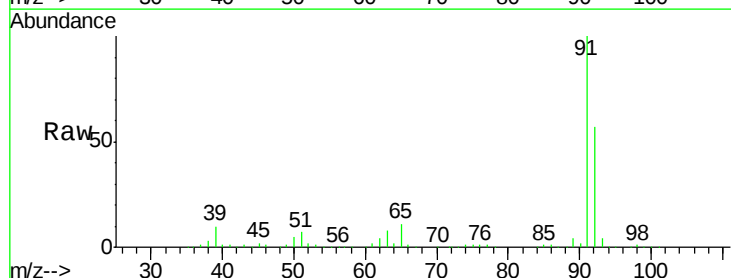
Acq: 04 May 2018 11:40

Tgt Ion: 92 Resp: 231376

Ion Ratio Lower Upper

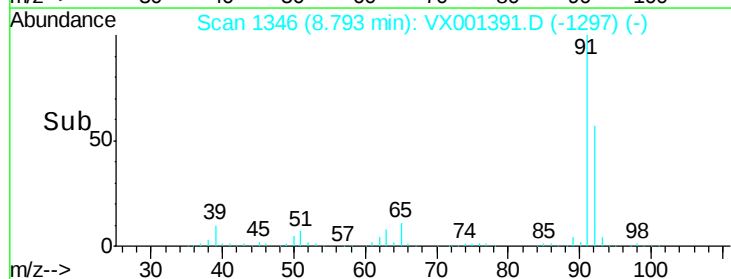
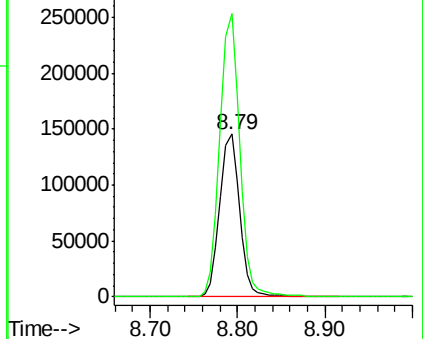
92 100

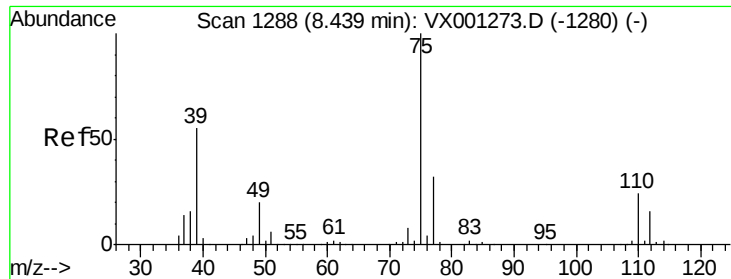
91 174.5 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





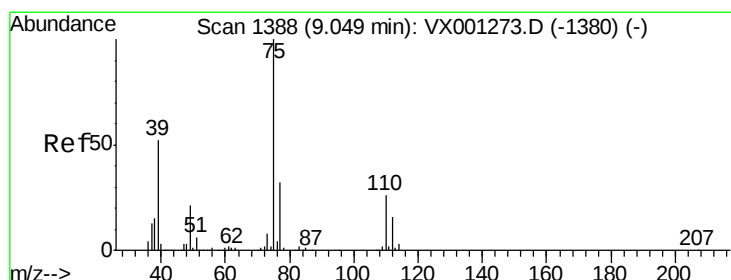
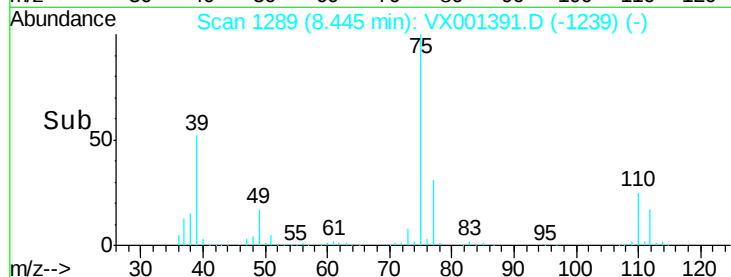
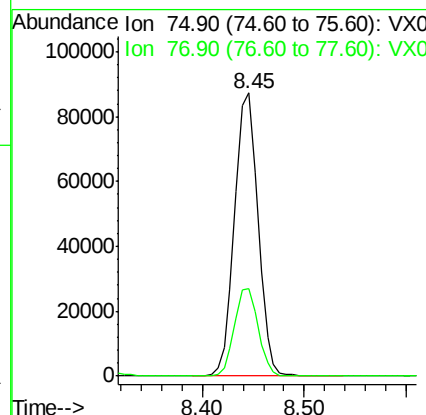
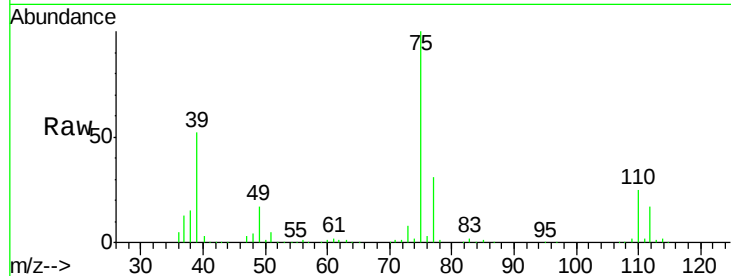
#53
 t-1,3-Dichloropropene
 Concen: 51.202 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.01 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 138987
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.6 38.4

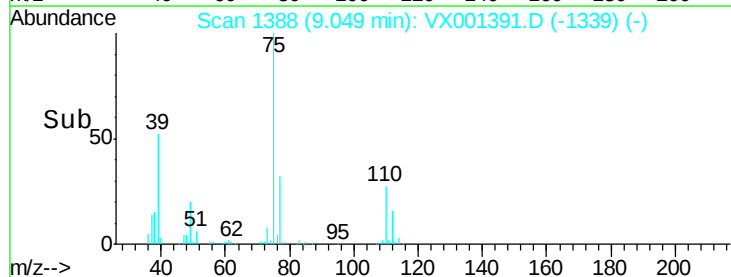
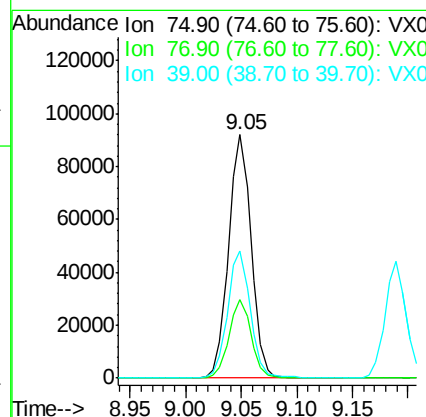
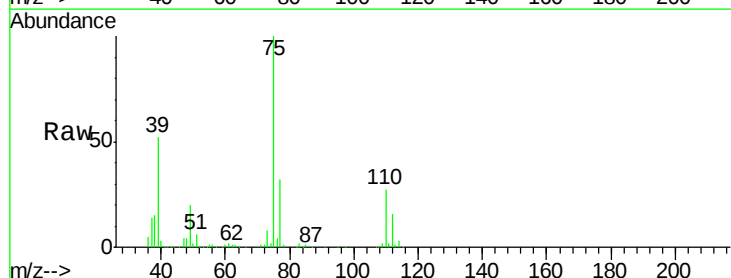
Manual Integrations
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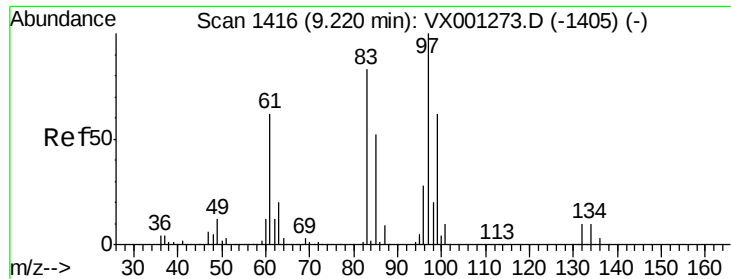
MMDadoda
 5/7/2018 7:28:00 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.793 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion: 75 Resp: 129343
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.5 38.3
 39 52.2 41.9 62.9





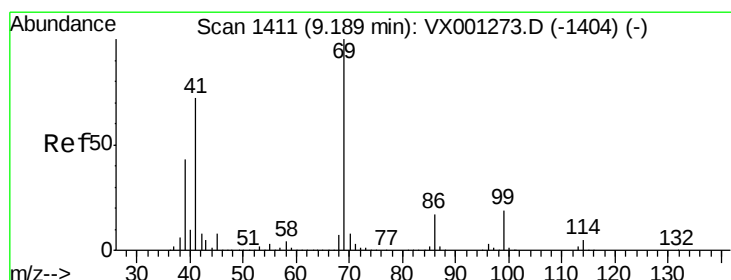
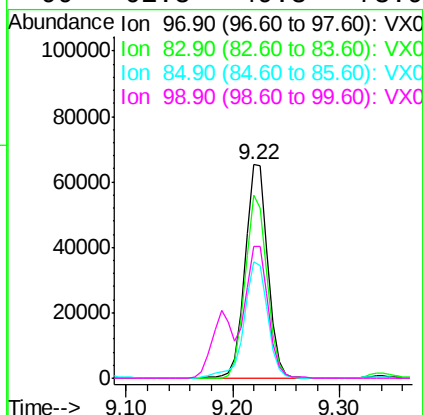
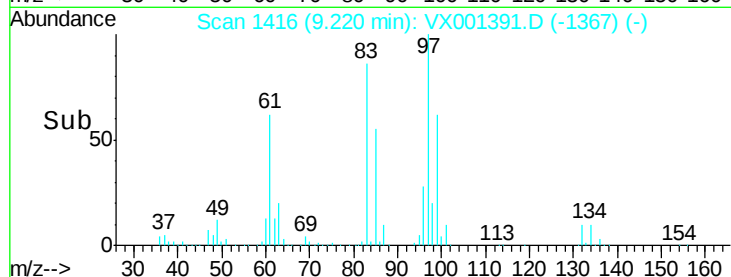
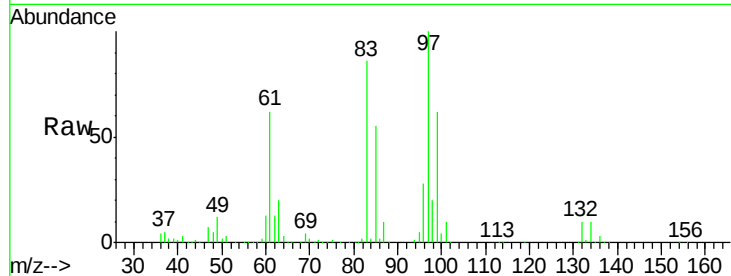
#55
 1,1,2-Trichloroethane
 Concen: 52.232 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	97812
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.4	99.6
85	54.7	41.6	62.4
99	61.8	49.3	73.9

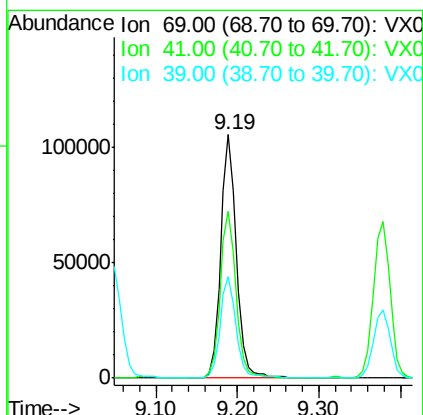
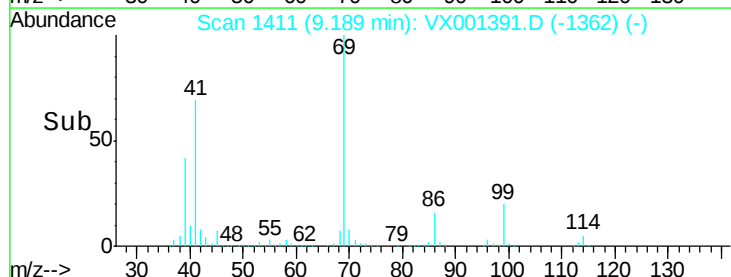
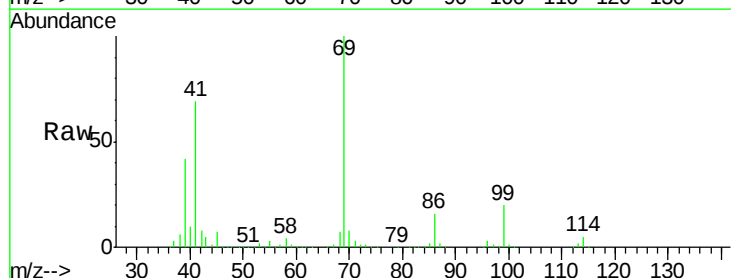
Manual Integrations
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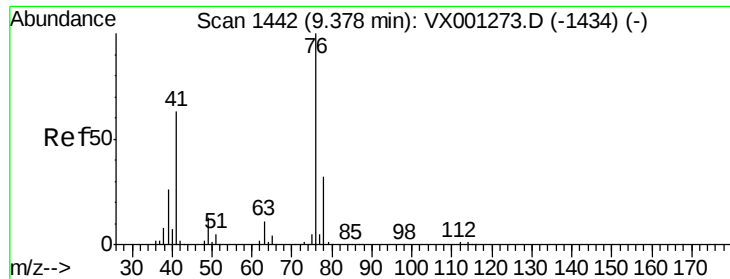
MMDadoda
 5/7/2018 7:28:00 PM



#56
 Ethyl methacrylate
 Concen: 54.735 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion:	69	Resp:	142022
Ion	Ratio	Lower	Upper
69	100		
41	69.4	57.2	85.8
39	42.4	34.3	51.5





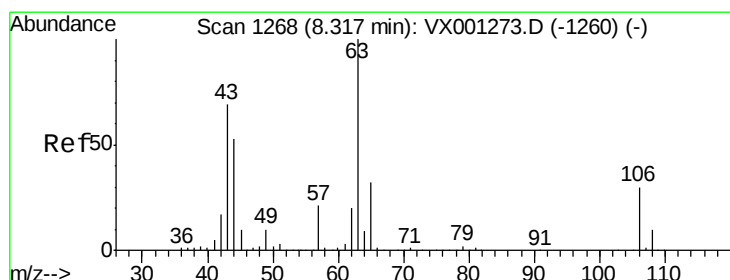
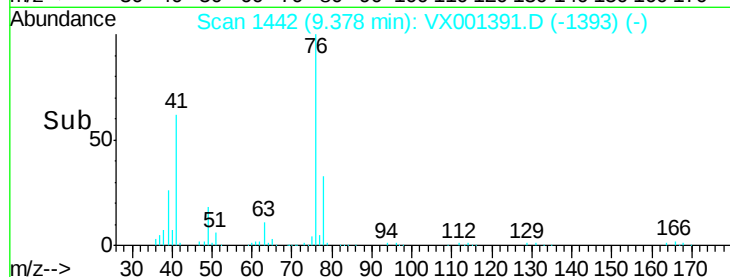
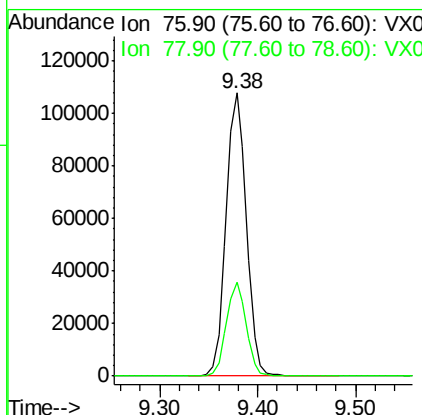
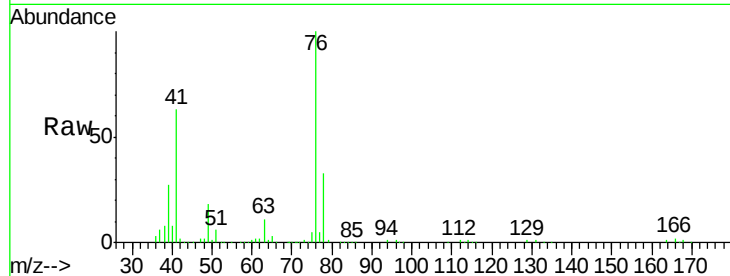
#57
 1,3-Dichloropropane
 Concen: 51.479 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 155060
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

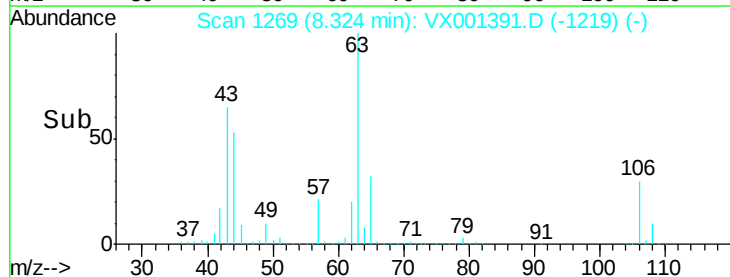
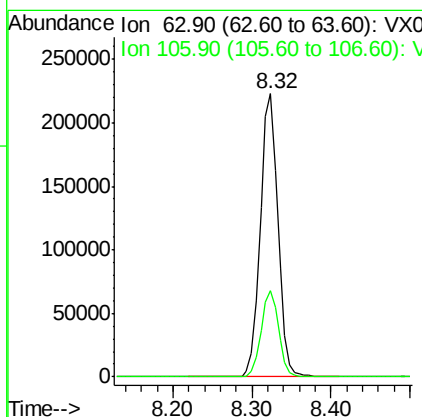
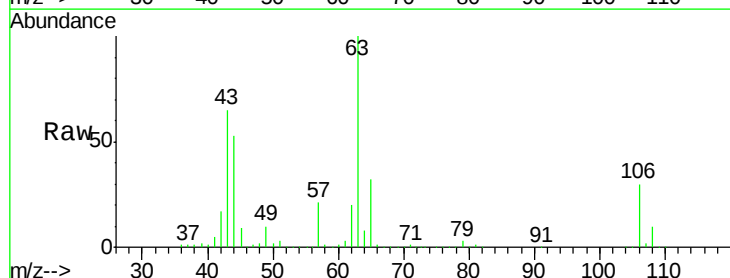
Manual Integrations
 APPROVED

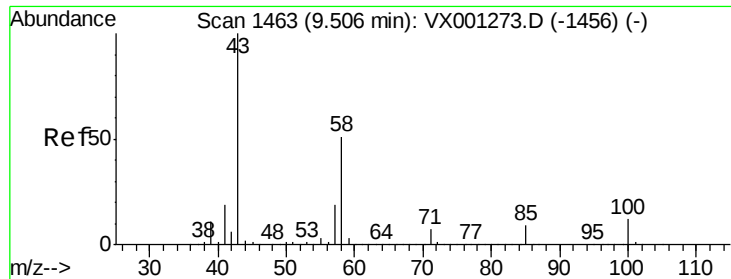
MMDadoda
 5/7/2018 7:28:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.898 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.01 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion: 63 Resp: 346632
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.6





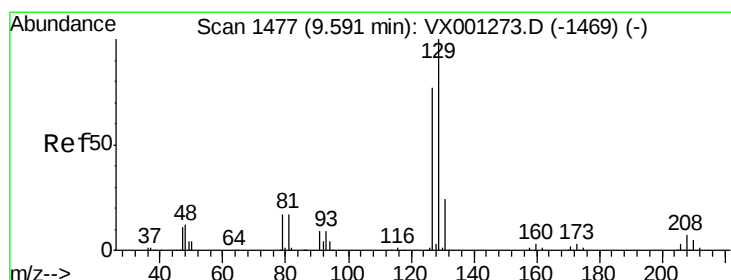
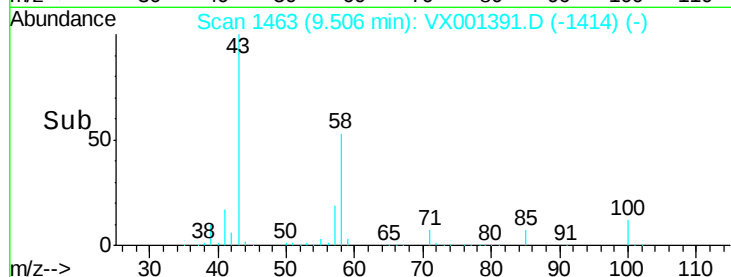
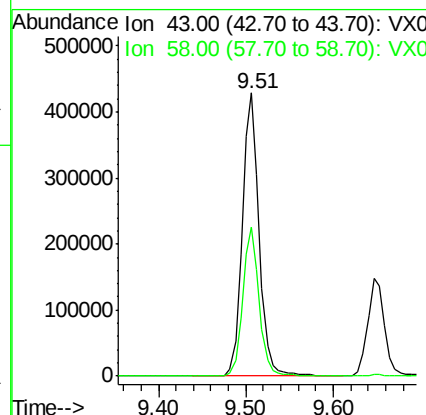
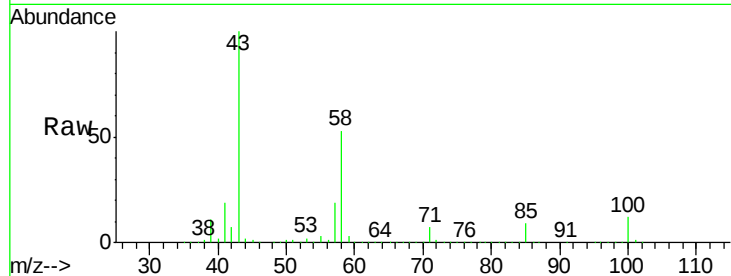
#59
2-Hexanone
Concen: 283.955 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 576638
Ion Ratio Lower Upper
43 100
58 51.5 25.7 77.0

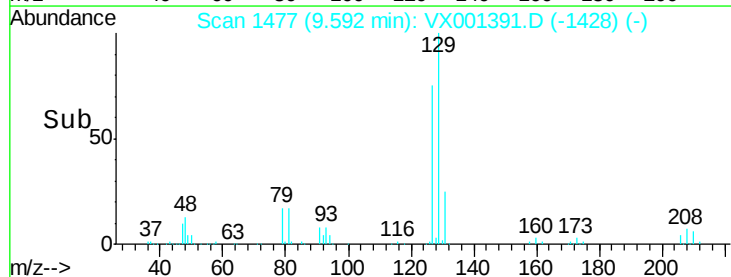
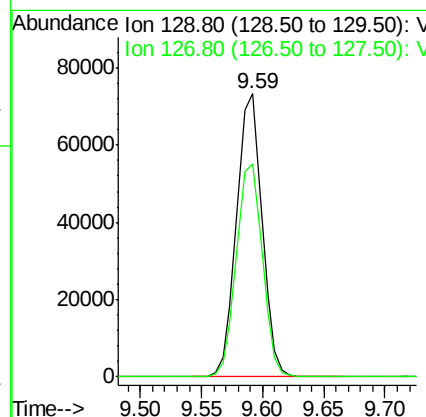
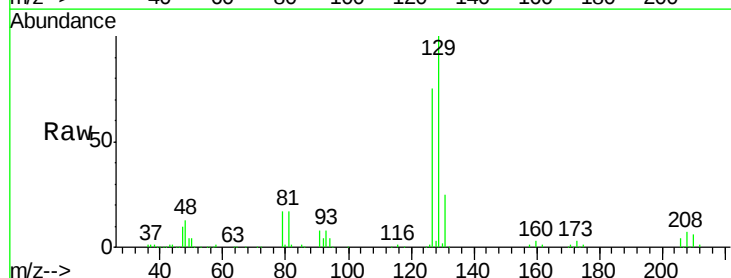
Manual Integrations
APPROVED

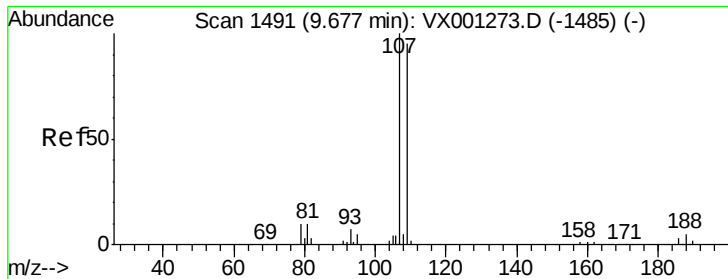
MMDadoda
5/7/2018 7:28:00 PM



#60
Dibromochloromethane
Concen: 54.077 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion: 129 Resp: 105634
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.467 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 104134

Ion Ratio Lower Upper

107 100

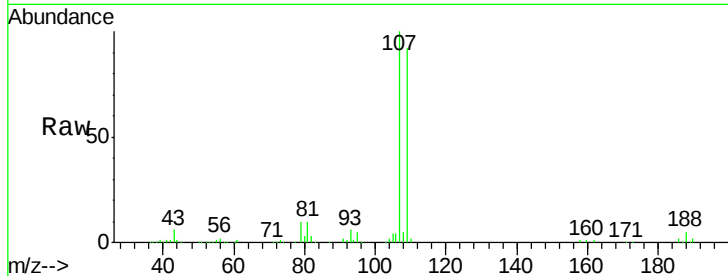
109 94.6 75.4 113.2

Manual Integrations

APPROVED

MMDadoda

5/7/2018 7:28:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

80000

60000

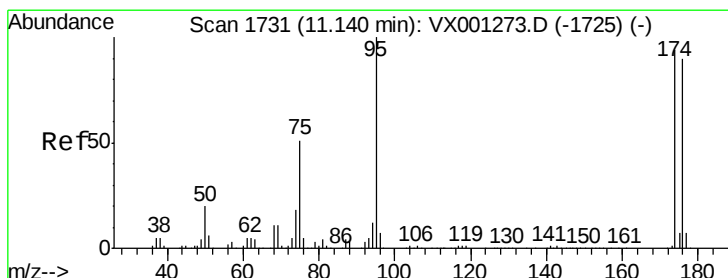
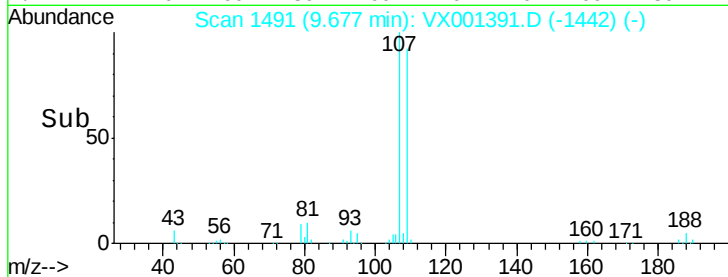
40000

20000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 50.159 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

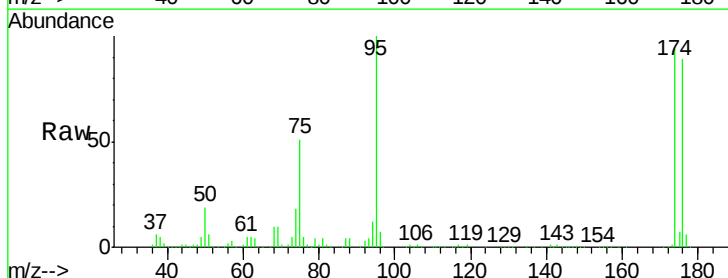
Tgt Ion: 95 Resp: 131884

Ion Ratio Lower Upper

95 100

174 104.1 0.0 201.8

176 101.7 0.0 197.2



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

150000

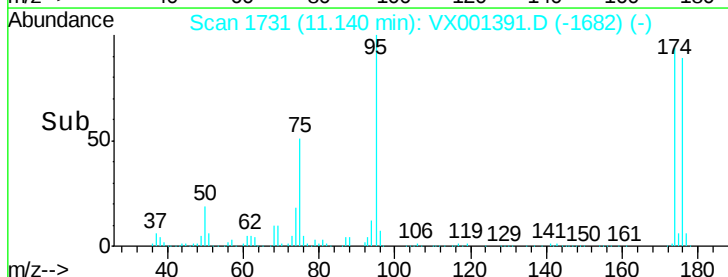
100000

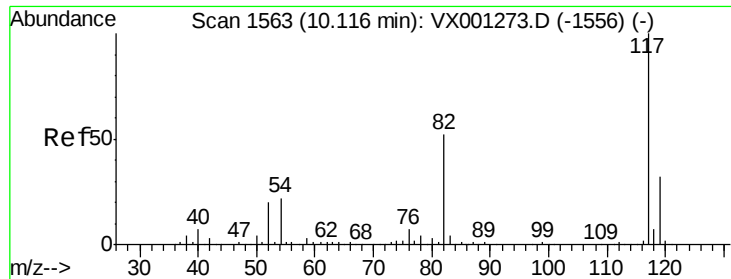
50000

0

Time-->

11.10 11.20





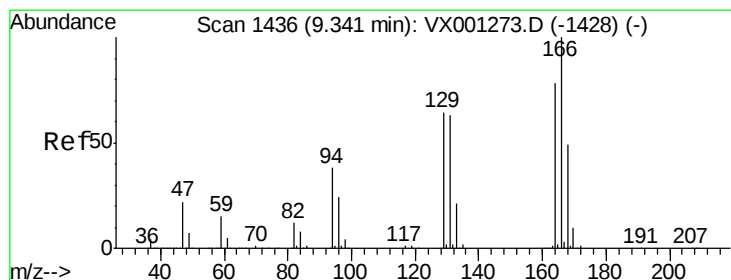
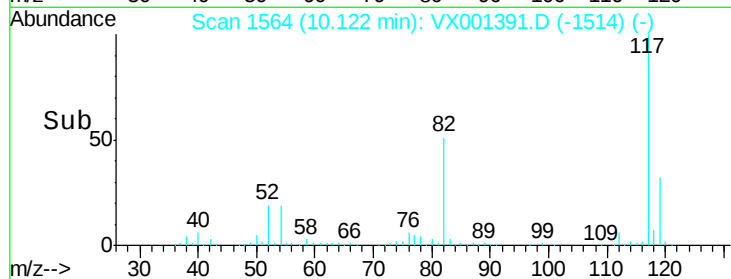
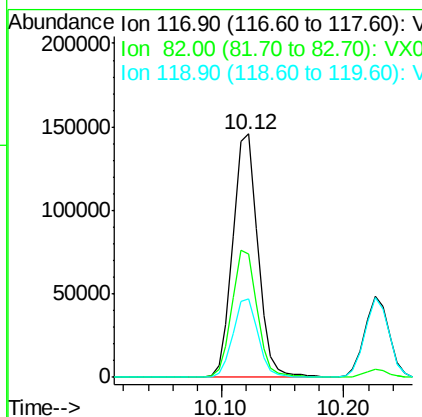
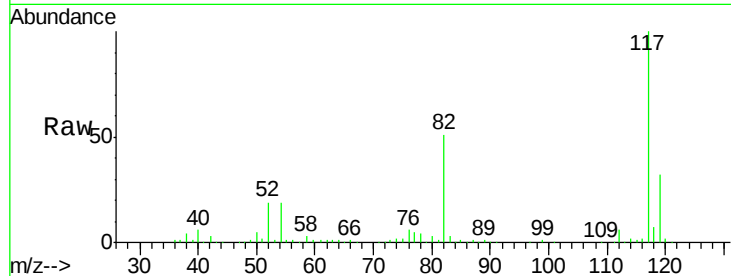
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	206274		
82	50.9		41.4	62.0
119	32.0		25.5	38.3

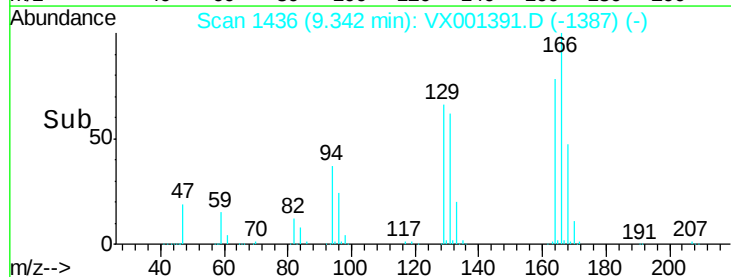
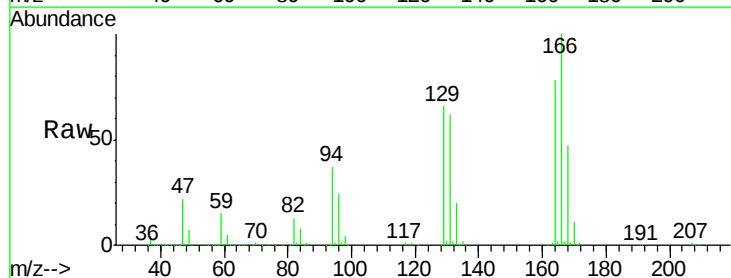
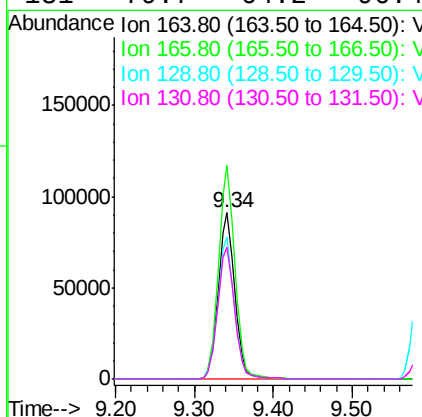
Manual Integrations
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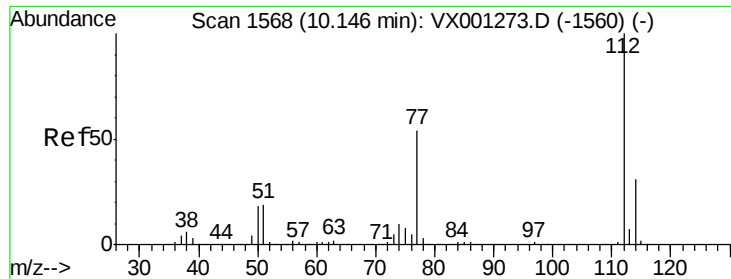
MMDadoda
5/7/2018 7:28:00 PM



#64
Tetrachloroethene
Concen: 54.629 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	133502		
166	128.8		102.3	153.5
129	85.7		65.1	97.7
131	79.7		64.2	96.4





#65

Chlorobenzene

Concen: 48.706 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 273229

Ion Ratio Lower Upper

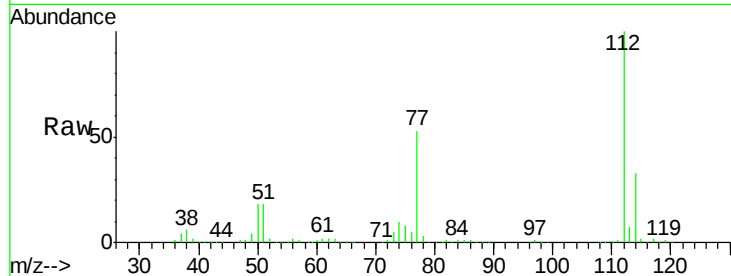
112 100

114 33.0 24.8 37.2

Manual Integrations
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5/7/2018 7:28:00 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.15

200000

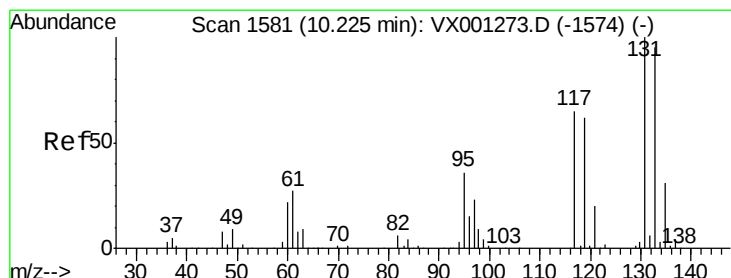
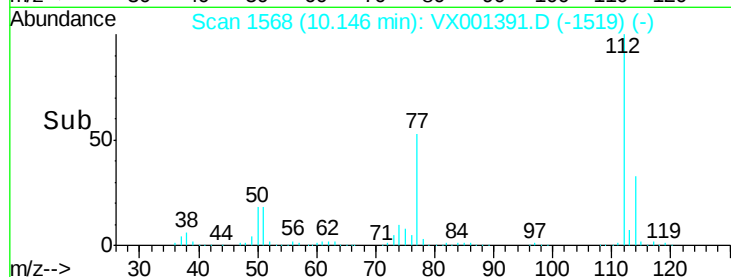
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.281 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

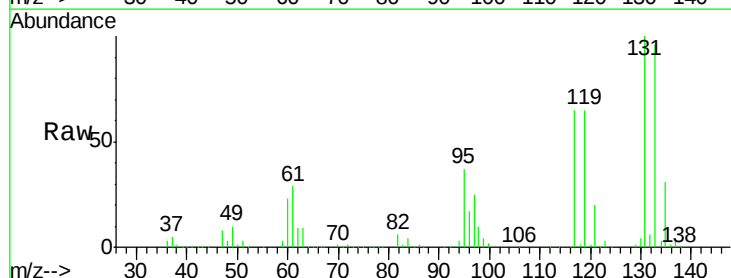
Tgt Ion:131 Resp: 103759

Ion Ratio Lower Upper

131 100

133 94.8 48.3 144.9

119 62.4 31.2 93.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.23

100000

80000

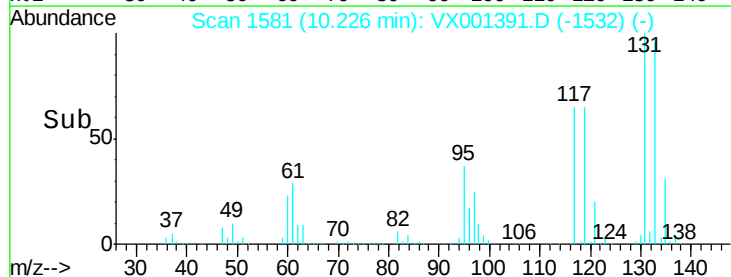
60000

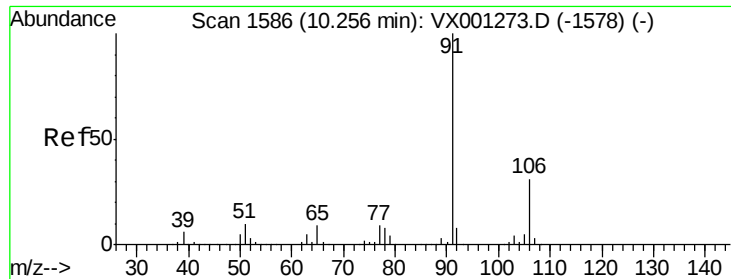
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 48.548 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 448805

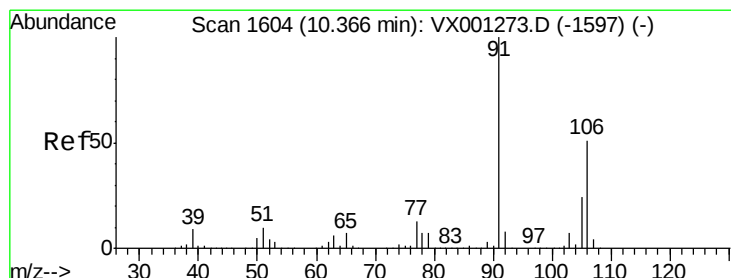
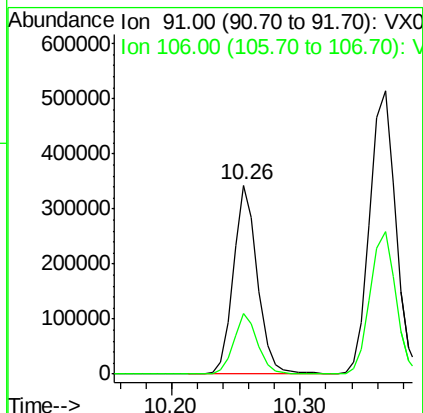
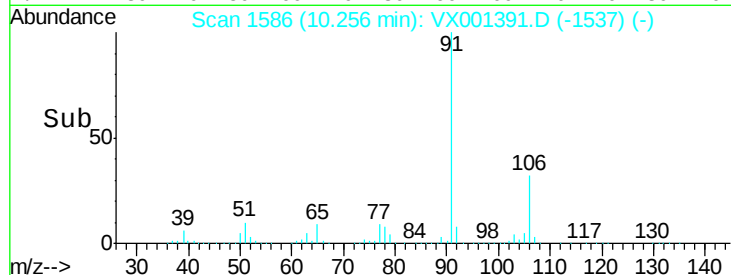
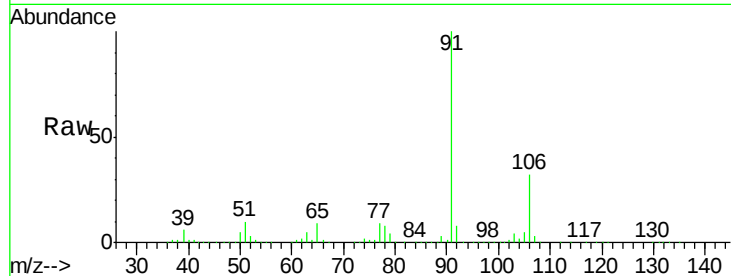
Ion Ratio Lower Upper

91 100

106 32.4 24.9 37.3

Manual Integrations
APPROVED

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5/7/2018 7:28:00 PM



#68

m/p-Xylenes

Concen: 98.721 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001391.D

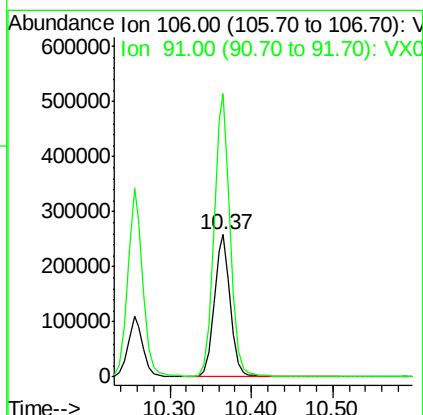
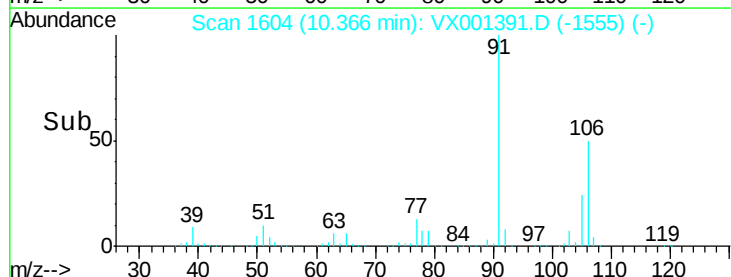
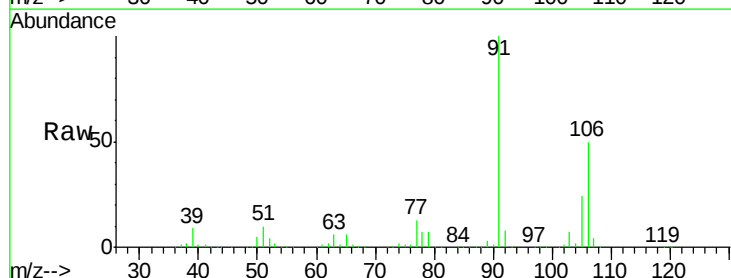
Acq: 04 May 2018 11:40

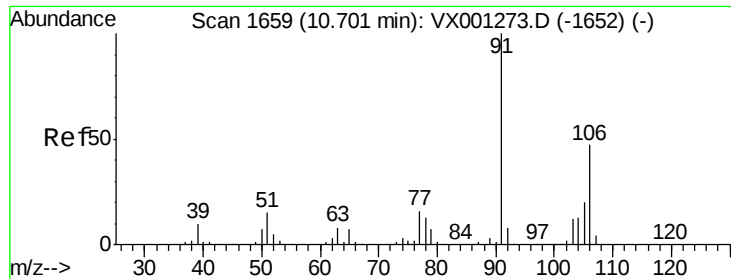
Tgt Ion: 106 Resp: 359104

Ion Ratio Lower Upper

106 100

91 199.6 159.4 239.2





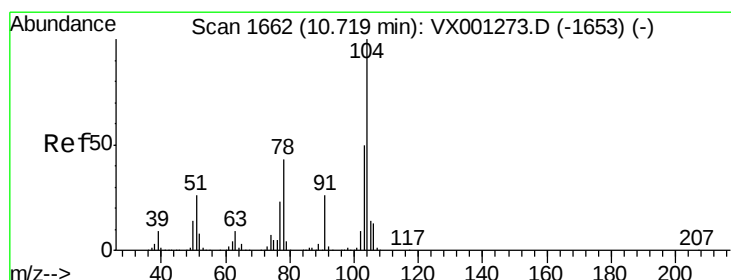
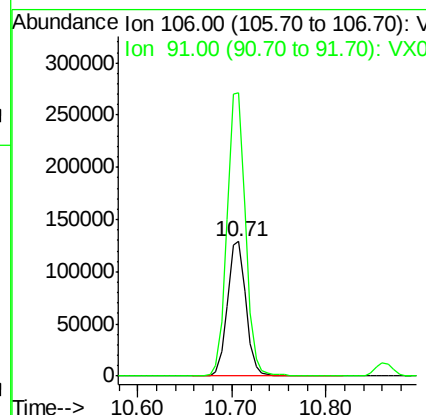
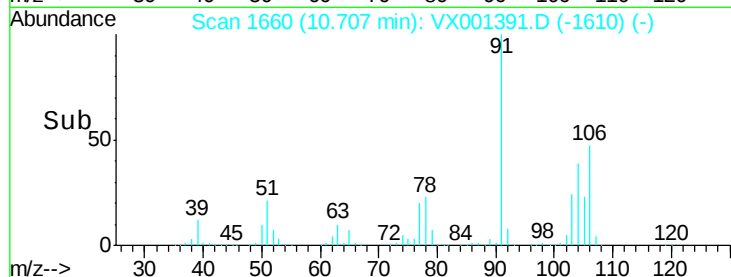
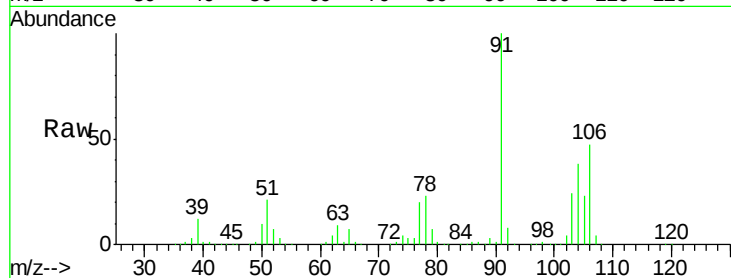
#69
o-Xylene
Concen: 49.633 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.8	106.3	175099	319.0	

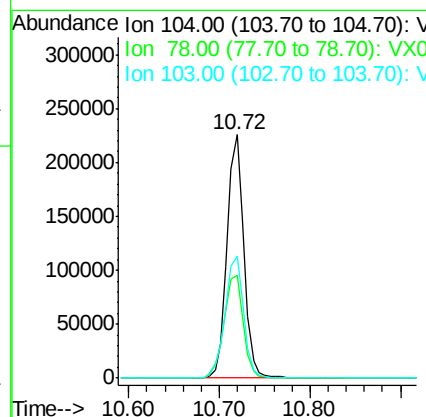
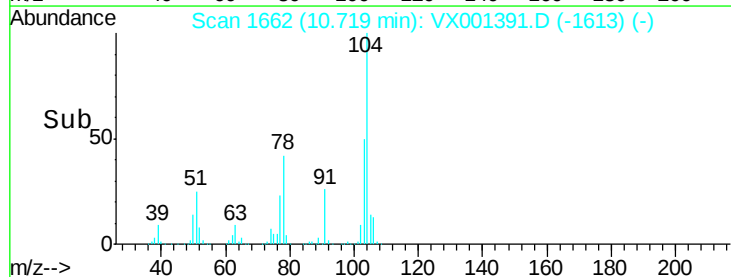
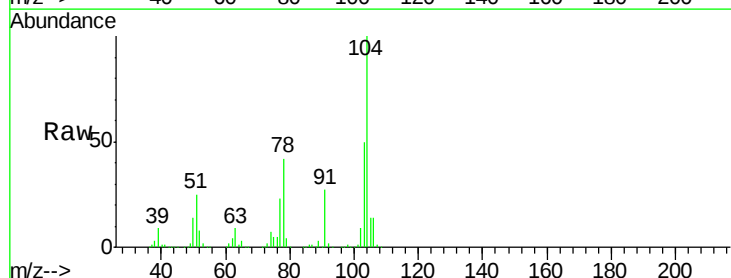
Manual Integrations
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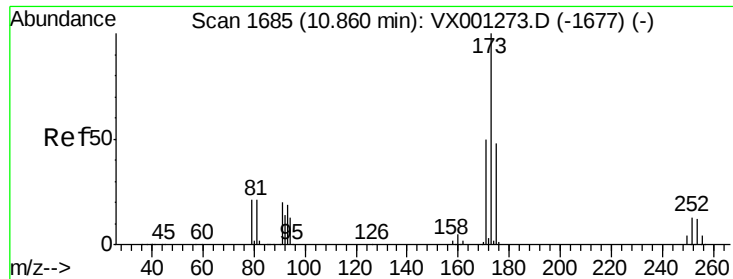
MMDadoda
5/7/2018 7:28:00 PM



#70
Styrene
Concen: 50.936 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.8	40.1	293895	60.1	
103	55.5	44.5		66.7	





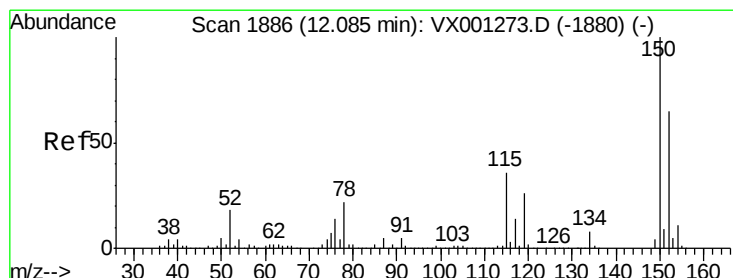
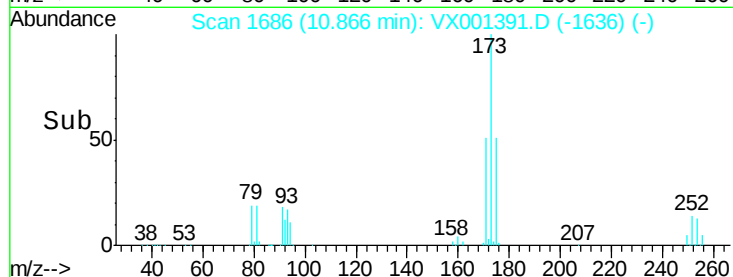
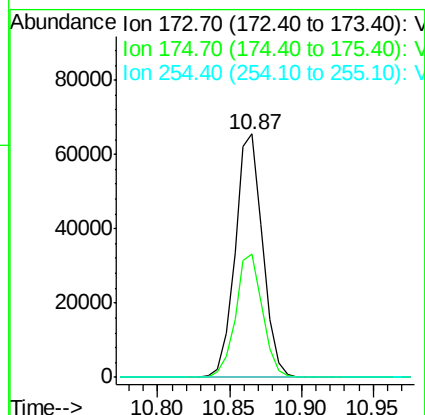
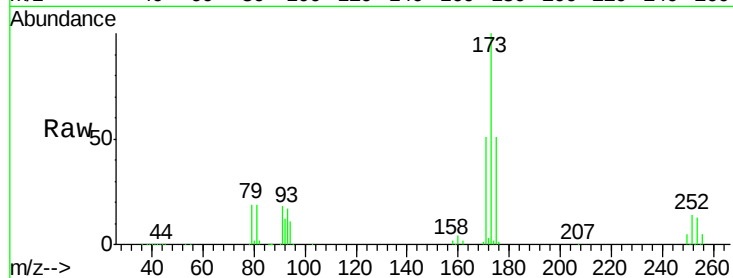
#71
Bromoform
Concen: 46.460 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	74.0
254	0.2	0.2	0.2

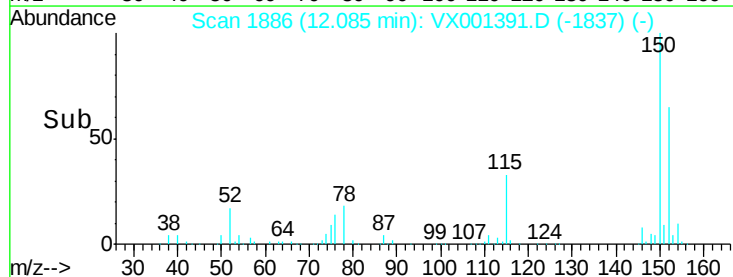
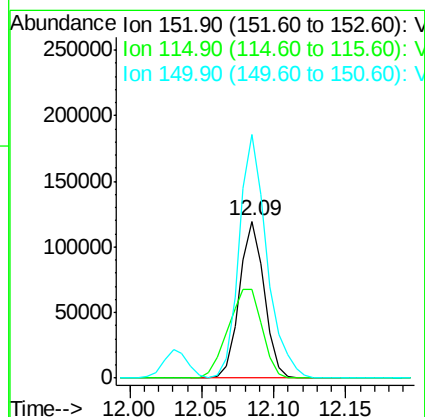
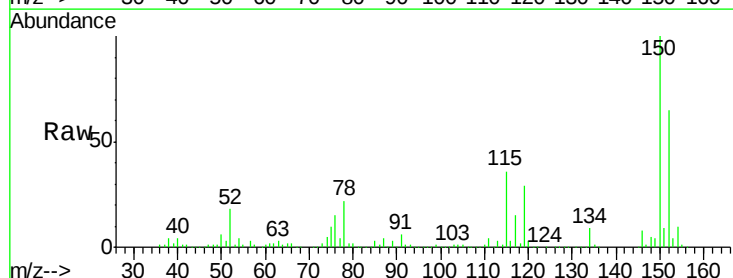
Manual Integrations
APPROVED

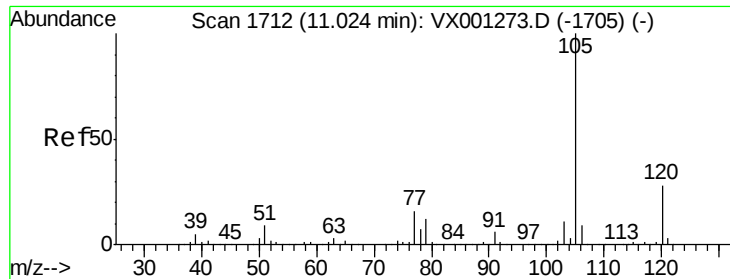
MMDadoda
5/7/2018 7:28:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.6	38.6	115.7
150	172.9	0.0	349.2





#73

Isopropylbenzene

Concen: 49.946 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 480924

Ion Ratio Lower Upper

105 100

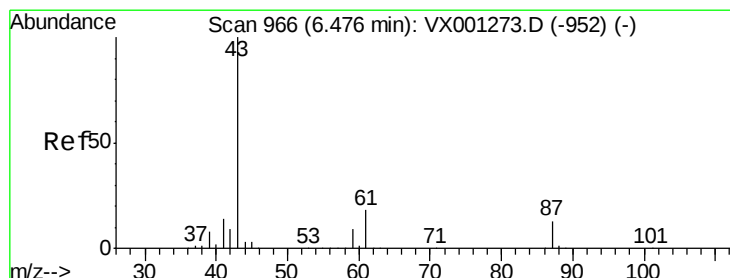
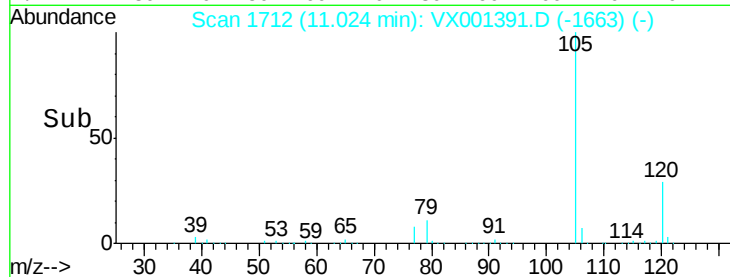
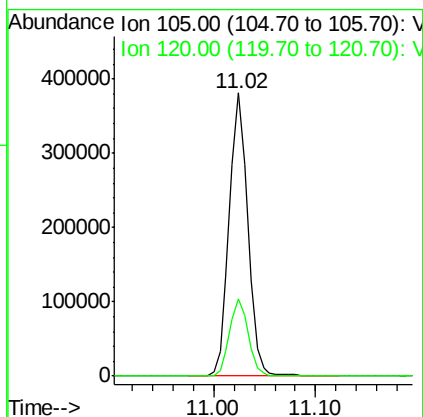
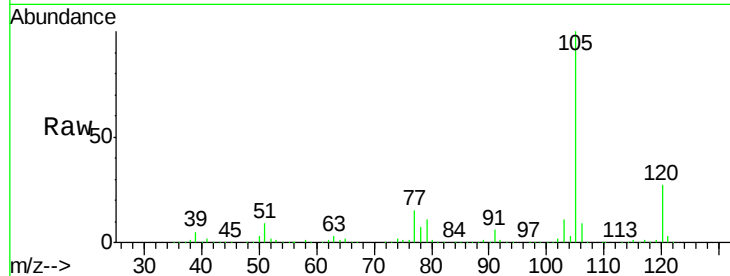
120 27.4 13.7 41.1

Manual Integrations

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MMDadoda

5/7/2018 7:28:00 PM



#74

N-ethyl acetate

Concen: 51.475 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Tgt Ion: 43 Resp: 212630

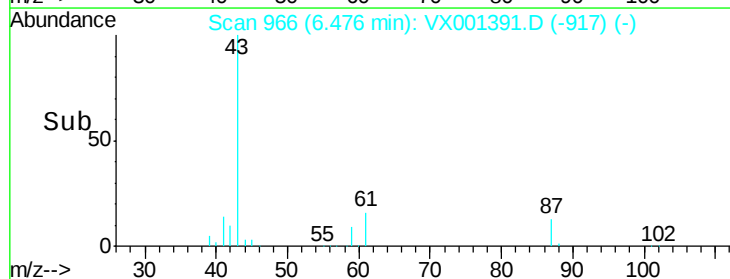
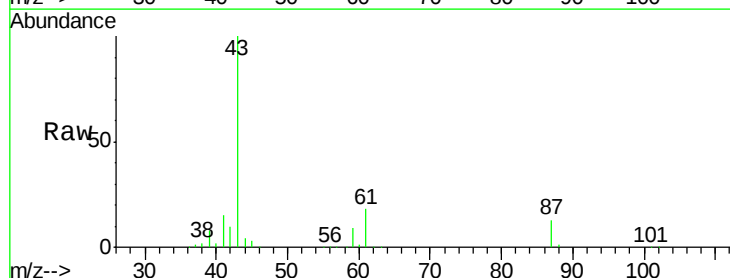
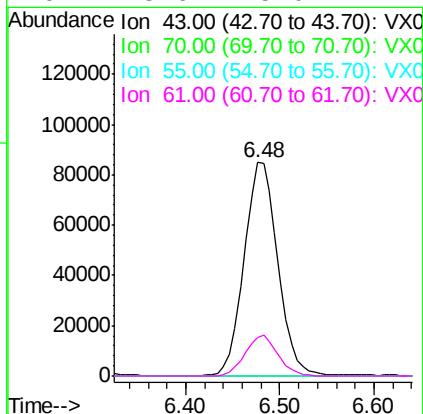
Ion Ratio Lower Upper

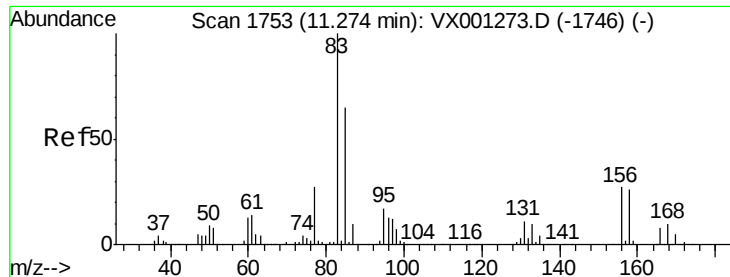
43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 18.6 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.479 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

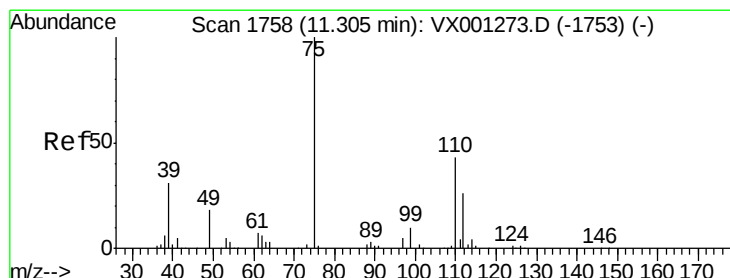
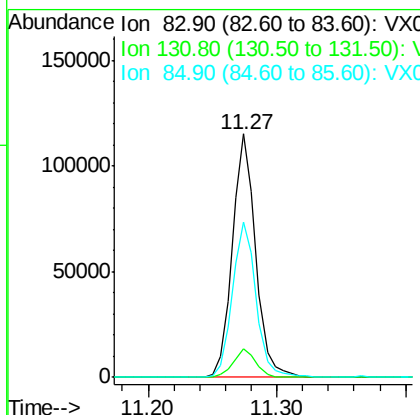
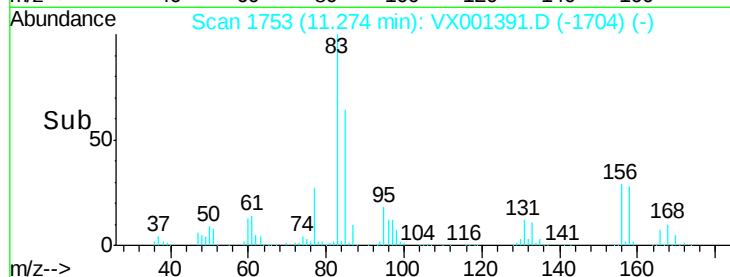
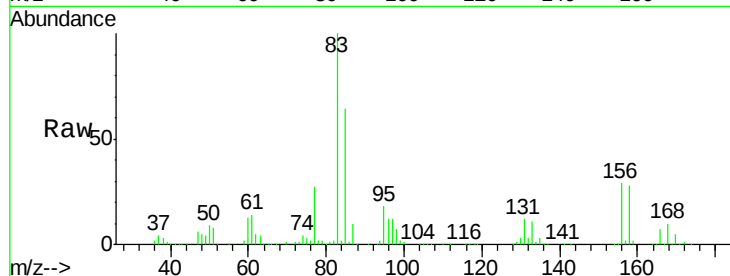
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	145623
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.3
85	64.9	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.400 ug/l m

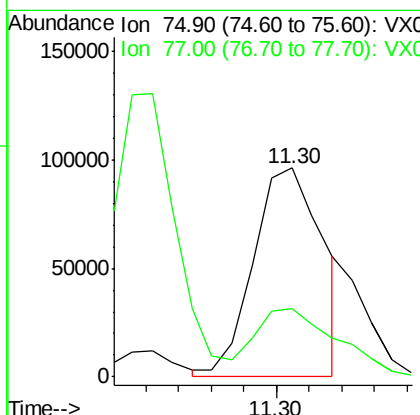
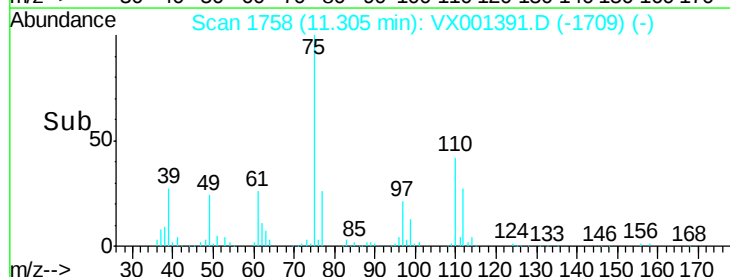
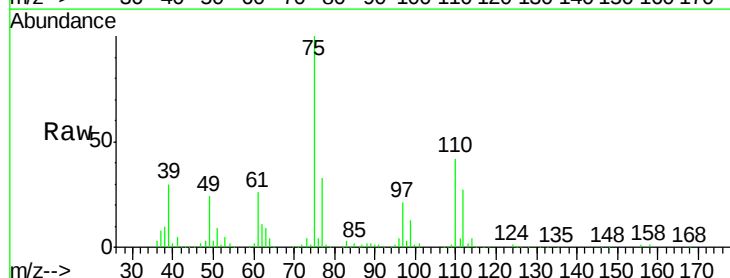
RT: 11.30 min Scan# 1758

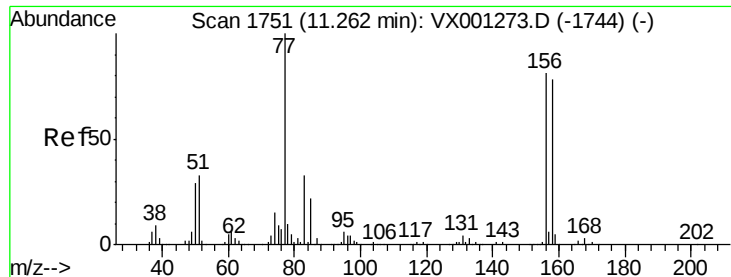
Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Tgt Ion:	75	Resp:	142125
Ion Ratio	Lower	Upper	
75	100		
77	38.2	18.9	56.5





#77

Bromobenzene

Concen: 49.830 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

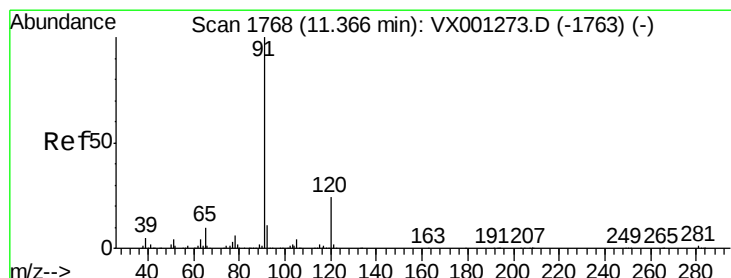
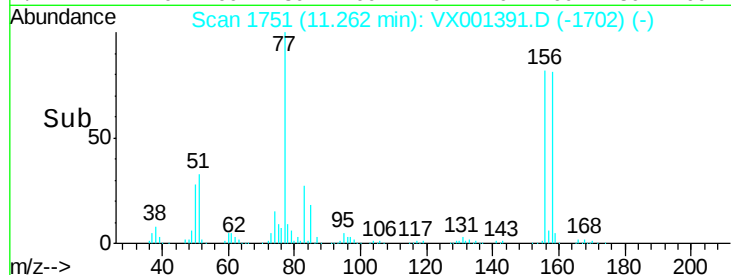
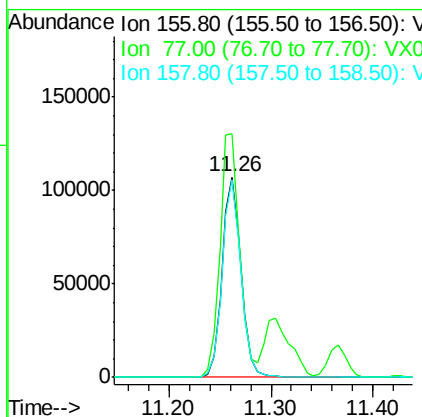
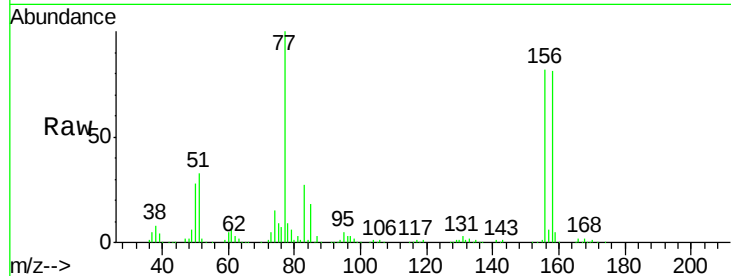
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	138390
Ion Ratio	Lower	Upper	
156	100		
77	128.7	65.3	195.8
158	98.0	48.5	145.5

Manual Integrations
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5/7/2018 7:28:00 PM



#78

n-propylbenzene

Concen: 50.317 ug/l

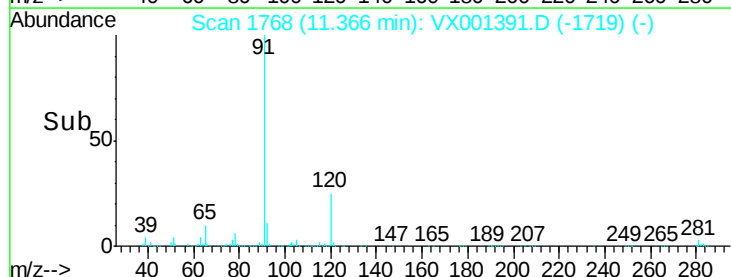
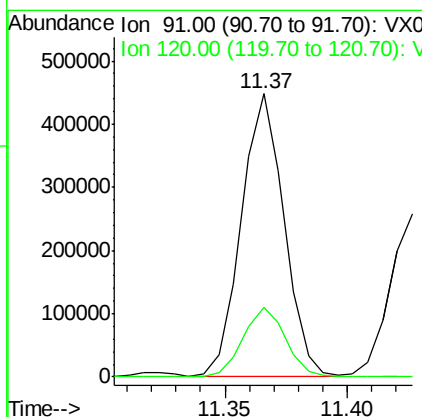
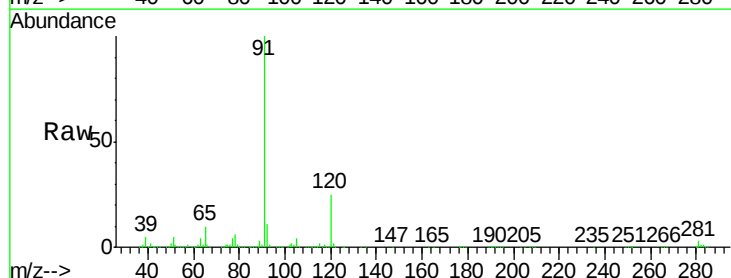
RT: 11.37 min Scan# 1768

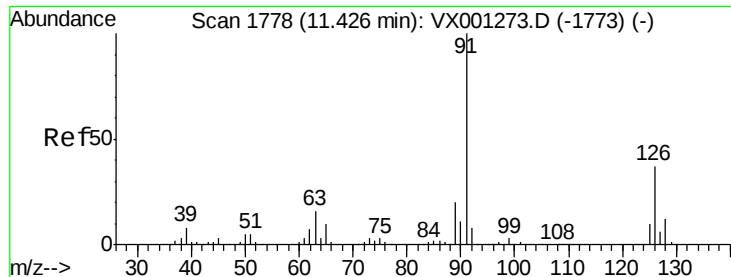
Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Tgt Ion:	91	Resp:	538435
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.3	36.8





#79

2-Chlorotoluene

Concen: 49.349 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 318643

Ion Ratio Lower Upper

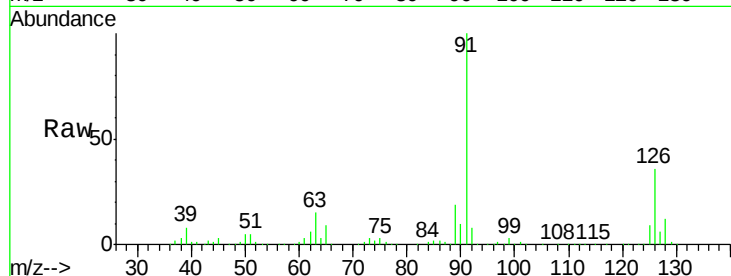
91 100

126 37.5 18.4 55.4

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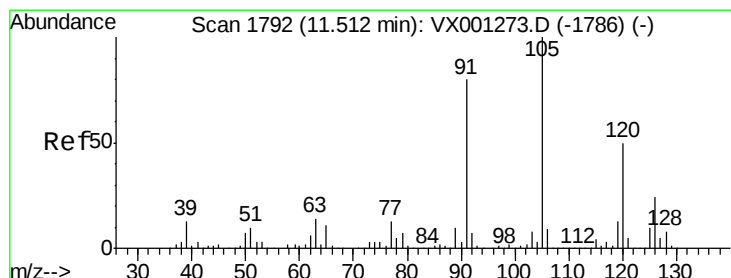
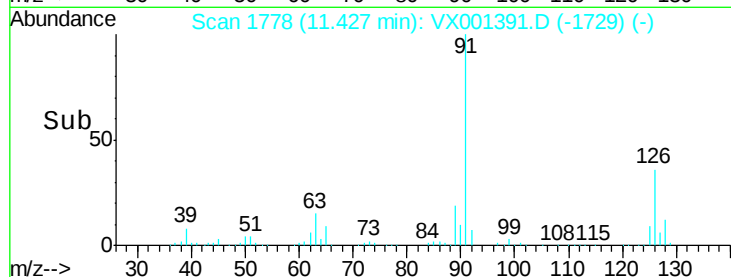
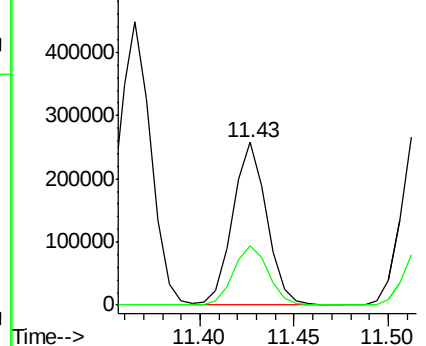
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Abundance Ion 91.00 (90.70 to 91.70): VX001273.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX001273.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.782 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001391.D

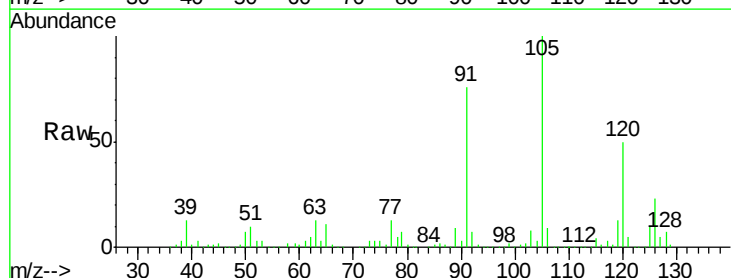
Acq: 04 May 2018 11:40

Tgt Ion: 105 Resp: 410664

Ion Ratio Lower Upper

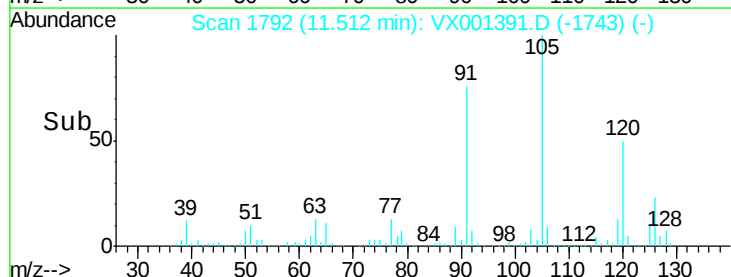
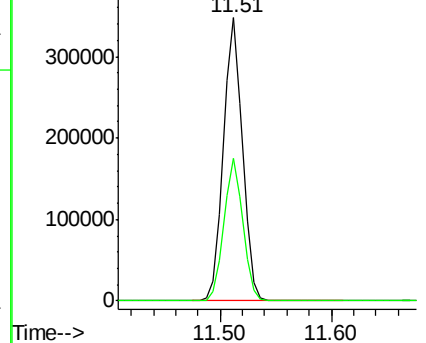
105 100

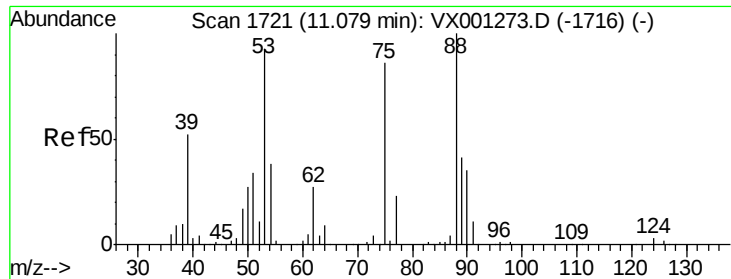
120 50.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VX001273.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001273.D (-1786) (-)





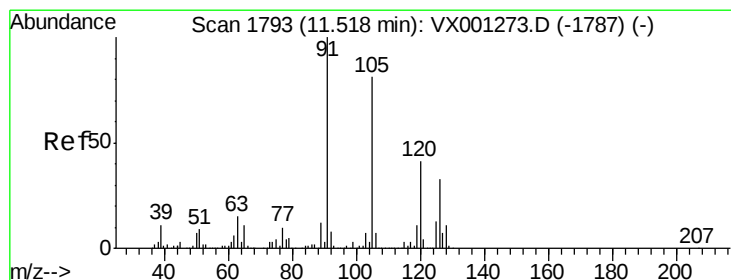
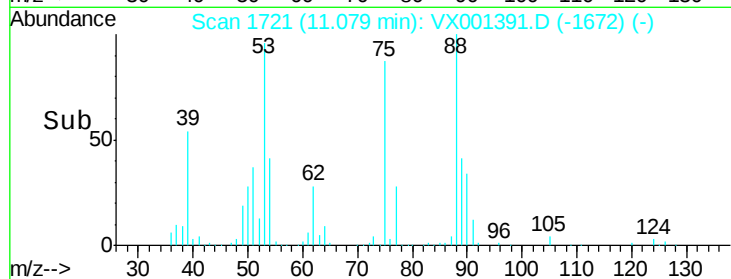
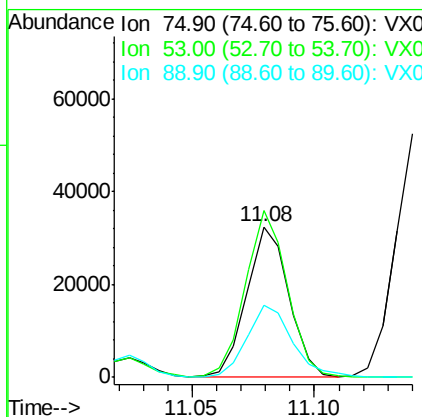
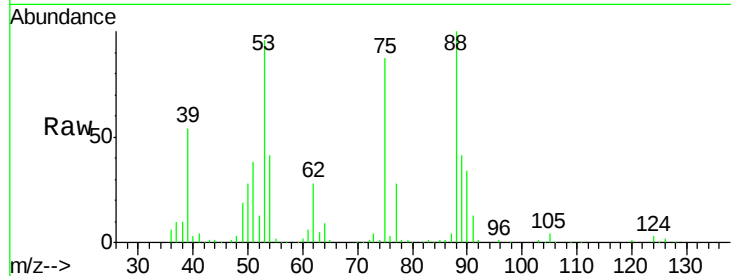
#81
trans-1,4-Dichloro-2-butene
Concen: 47.415 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.7	87.1	130.7
89	52.6	38.9	58.3

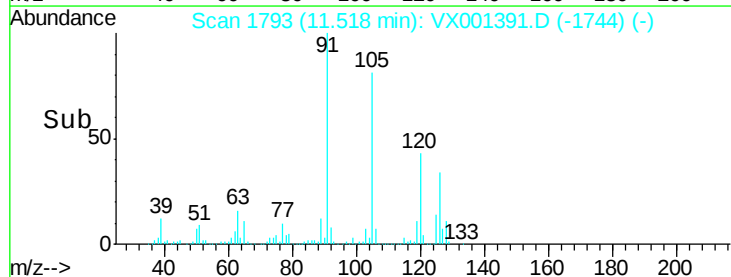
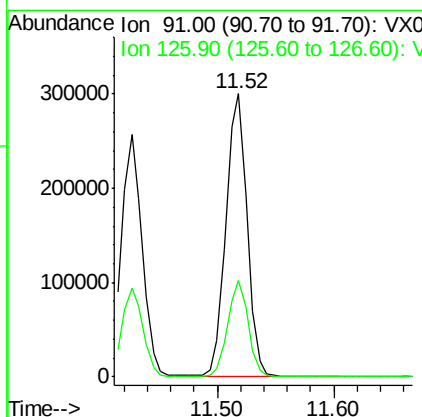
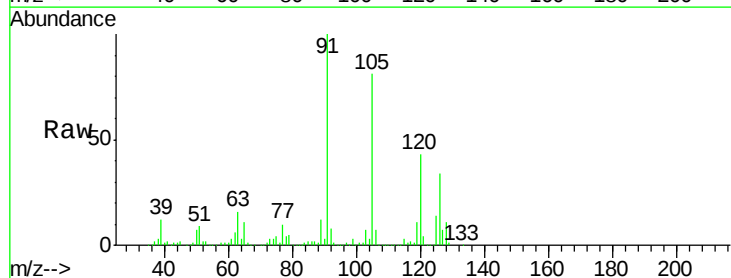
Manual Integrations
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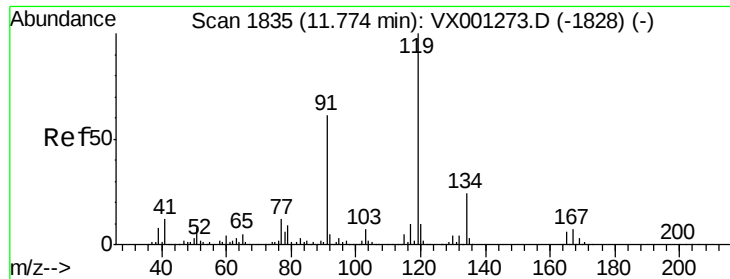
MMDadoda
5/7/2018 7:28:00 PM



#82
4-Chlorotoluene
Concen: 48.738 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.1	48.2





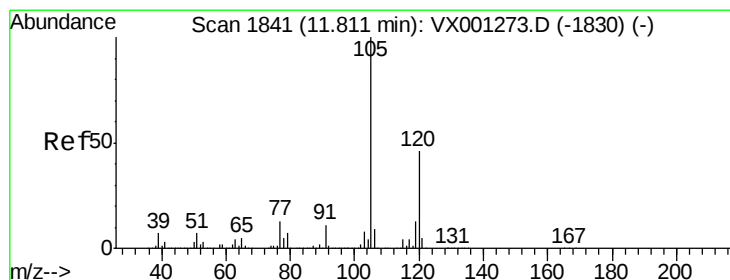
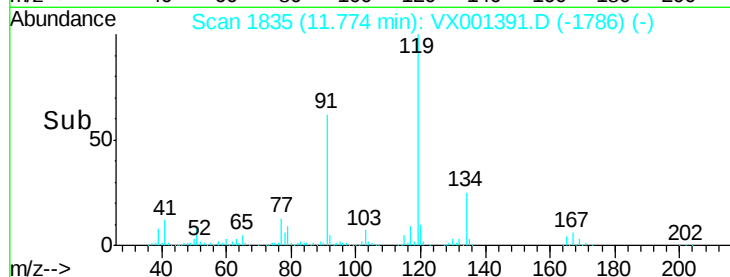
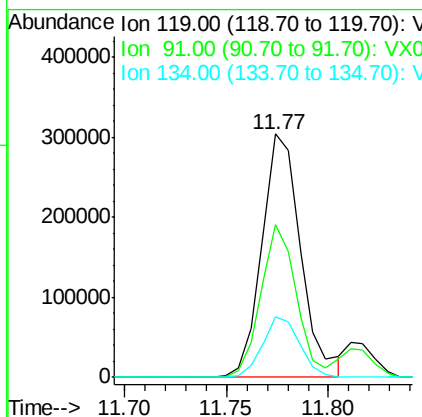
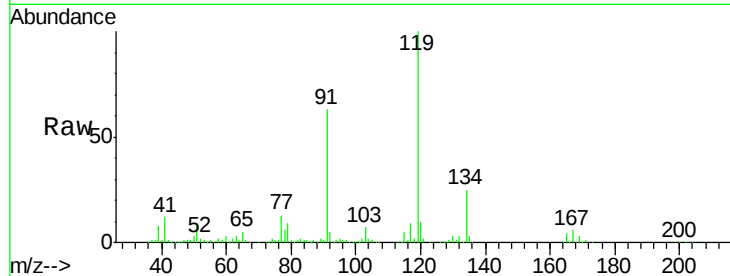
#83
 tert-Butylbenzene
 Concen: 50.350 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	405991		
91	57.2		28.1	84.3
134	23.8		11.8	35.3

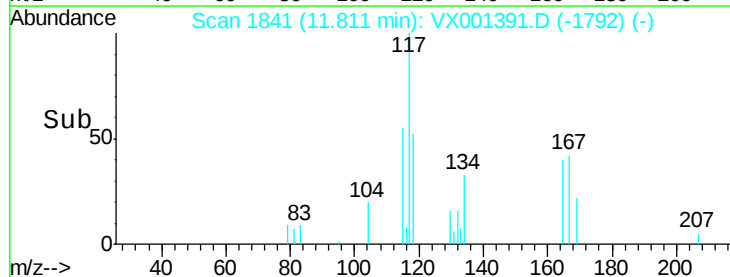
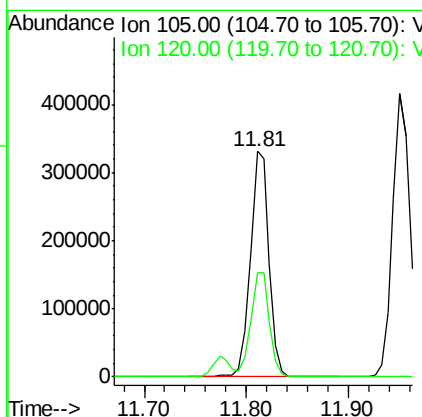
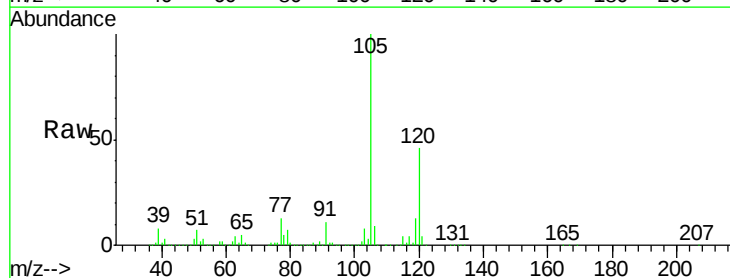
Manual Integrations
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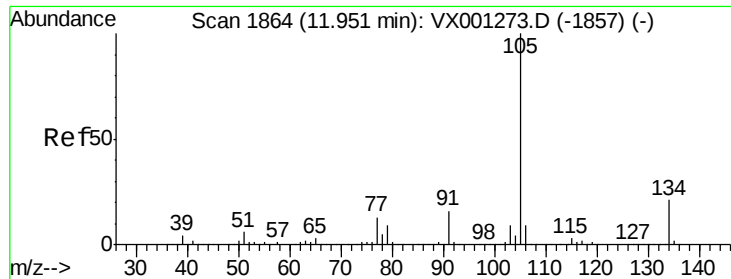
MMDadoda
 5/7/2018 7:28:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.852 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	421368		
120	46.1		22.7	68.1





#85

sec-Butylbenzene

Concen: 51.515 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 496986

Ion Ratio Lower Upper

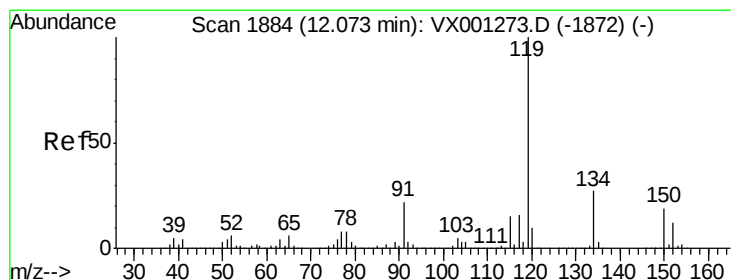
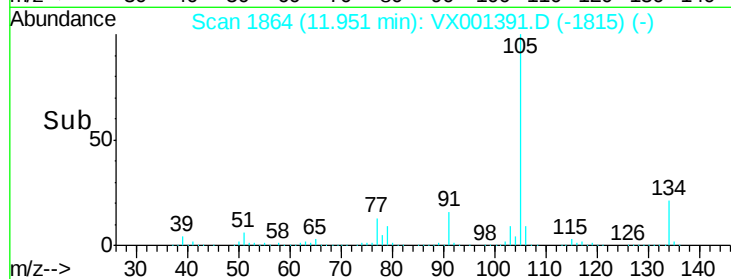
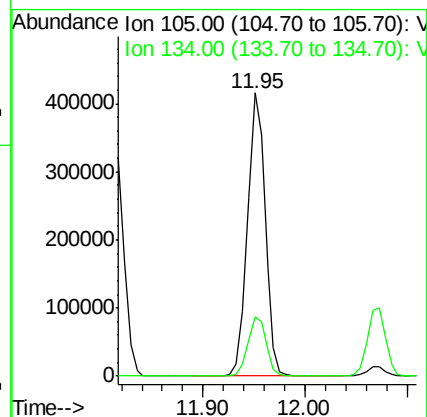
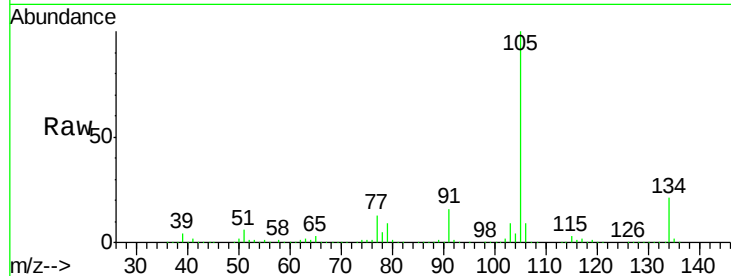
105 100

134 21.5 10.7 31.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.706 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001391.D

Acq: 04 May 2018 11:40

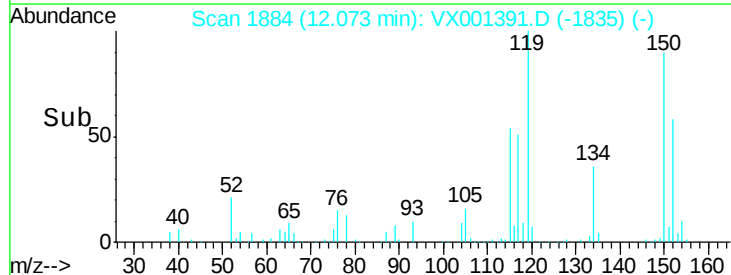
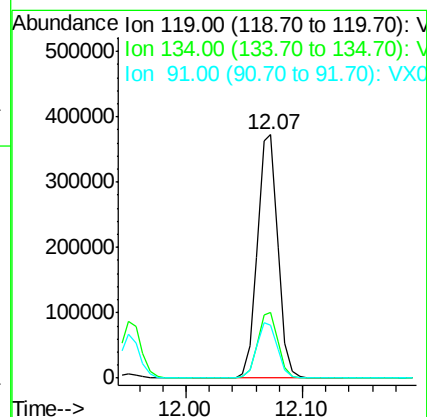
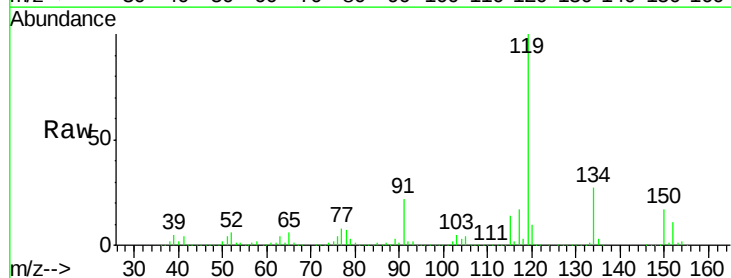
Tgt Ion:119 Resp: 457600

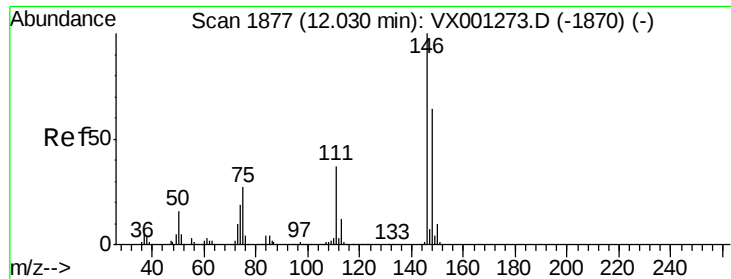
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 22.8 11.7 35.1





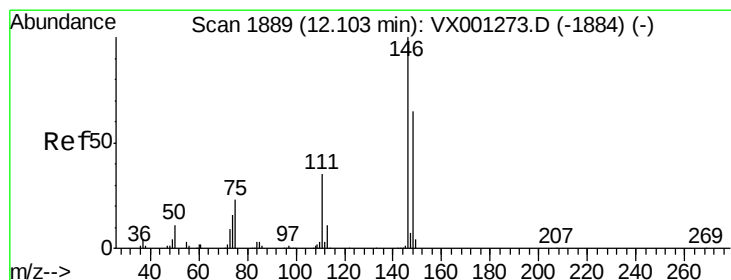
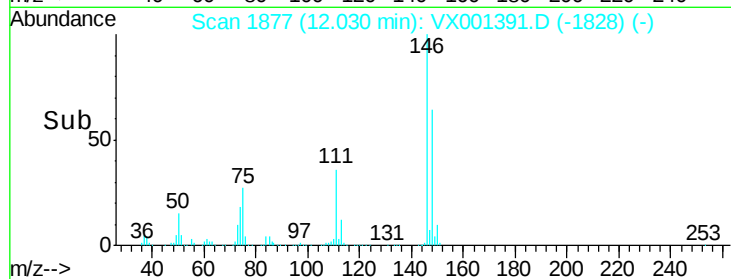
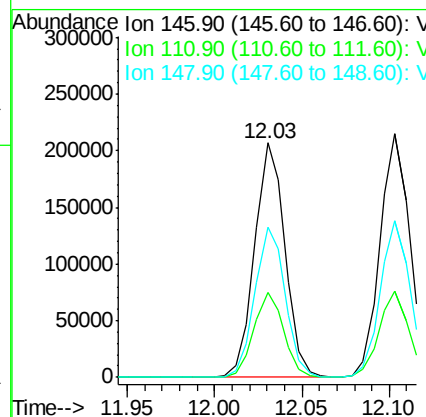
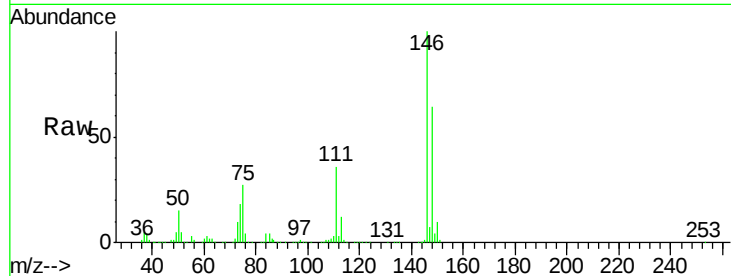
#87
 1,3-Dichlorobenzene
 Concen: 48.403 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.4	55.2
148	64.2	32.2	96.6

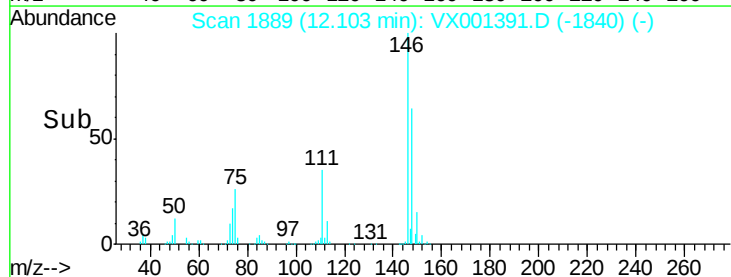
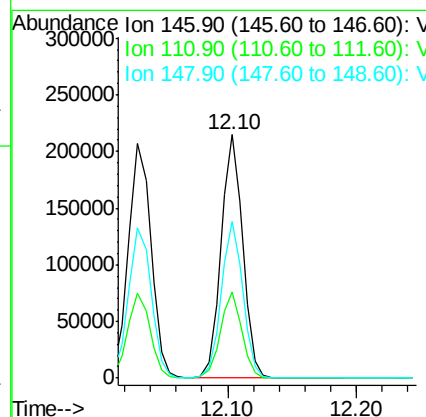
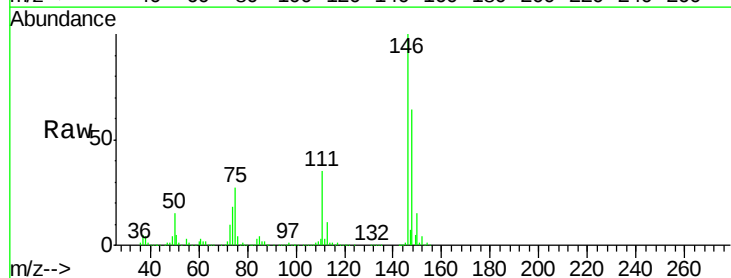
Manual Integrations
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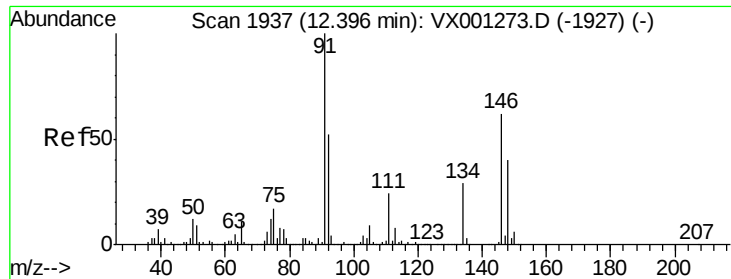
MMDadoda
 5/7/2018 7:28:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.806 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.9	53.7
148	64.0	32.3	96.8





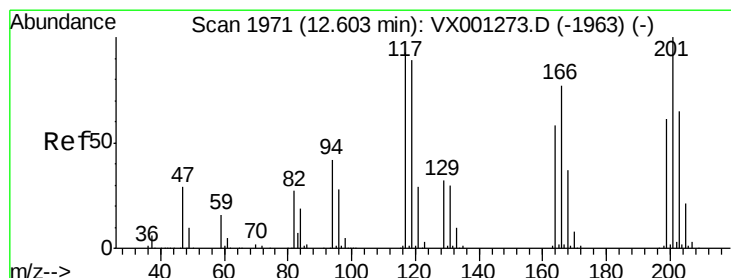
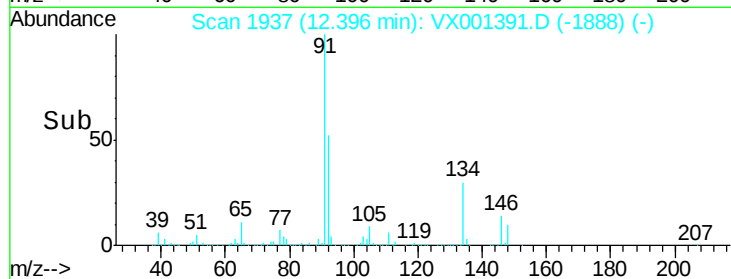
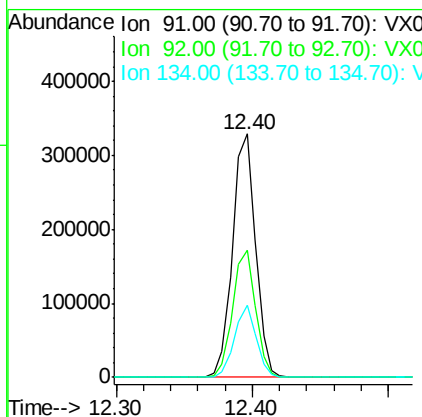
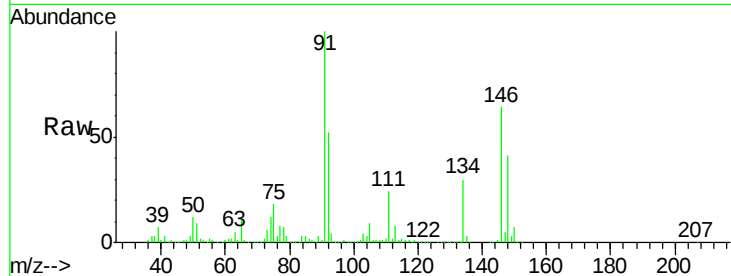
#89
n-Butylbenzene
Concen: 50.015 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.2	26.2	78.5	
134	28.2	14.0	42.0	

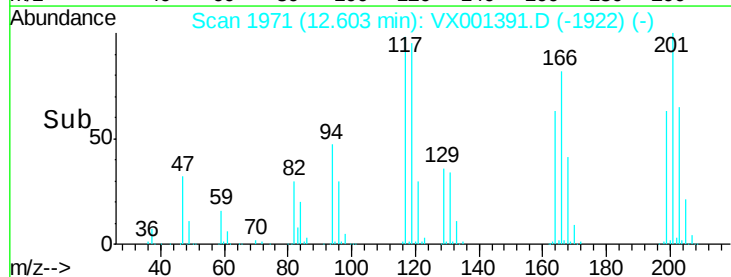
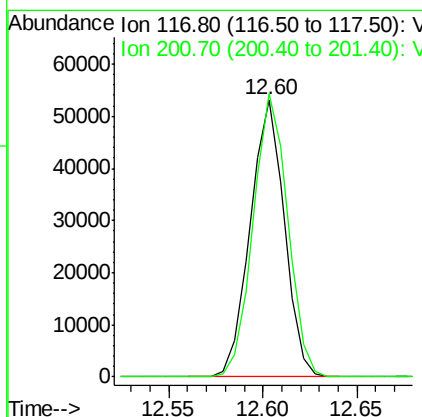
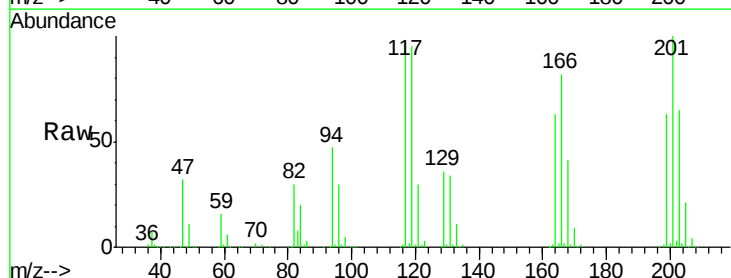
Manual Integrations
APPROVED

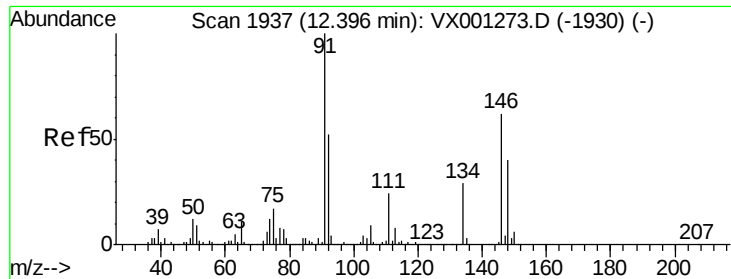
MMDadoda
5/7/2018 7:28:00 PM



#90
Hexachloroethane
Concen: 52.051 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	103.4	51.6	154.8	





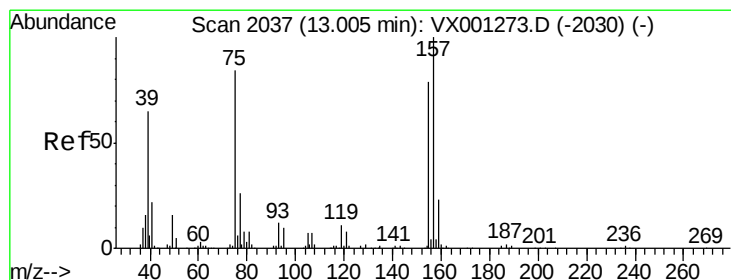
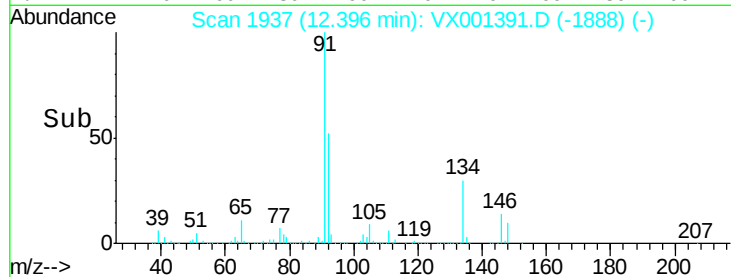
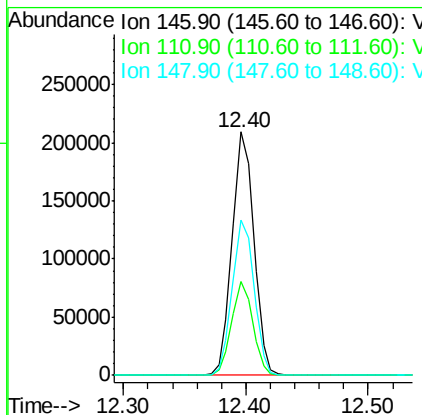
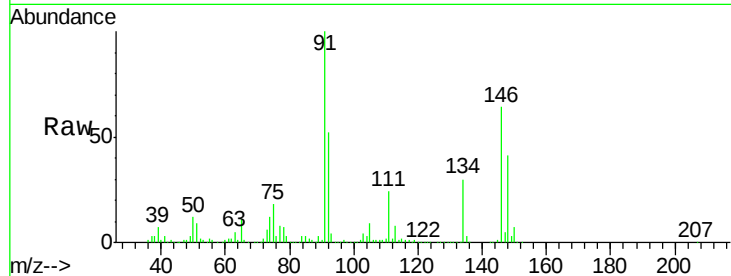
#91
 1,2-Dichlorobenzene
 Concen: 49.886 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	257442		
111	37.5	18.9	56.5	
148	64.2	32.4	97.0	

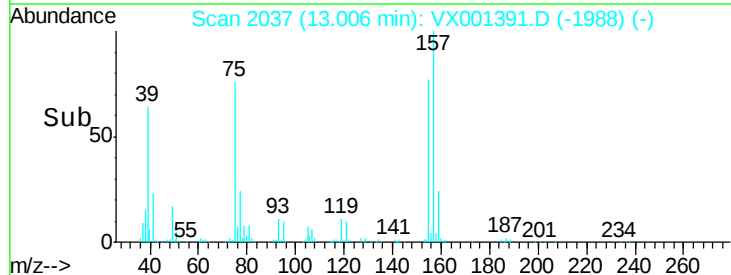
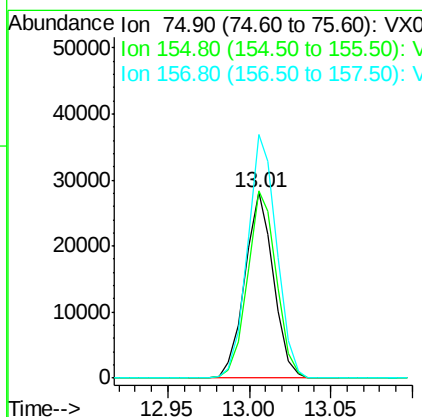
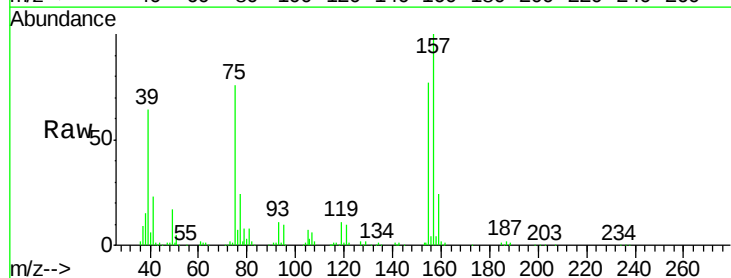
Manual Integrations
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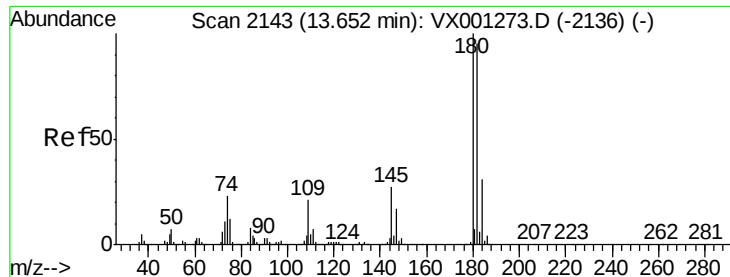
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.907 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34344		
155	101.5	49.9	149.7	
157	133.1	63.7	191.1	





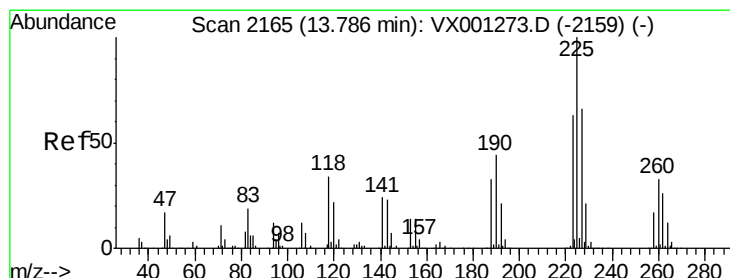
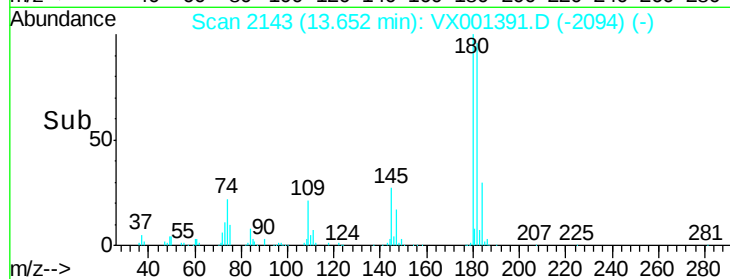
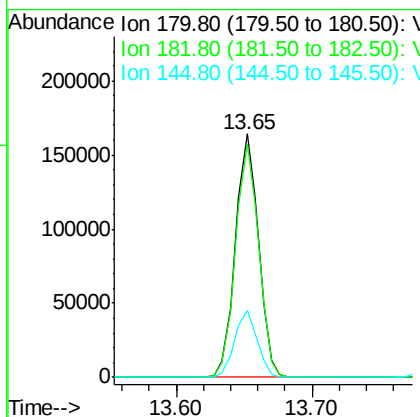
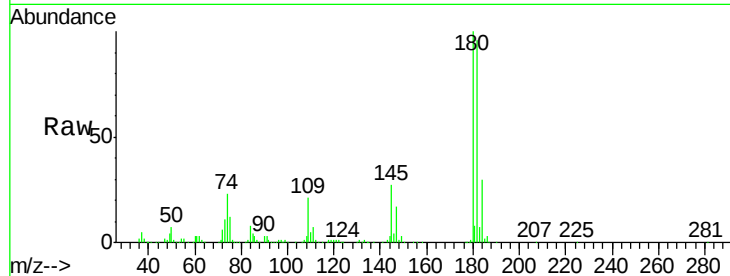
#93
 1,2,4-Trichlorobenzene
 Concen: 46.672 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	193763		
182	96.2	47.3	141.9	
145	26.8	13.5	40.4	

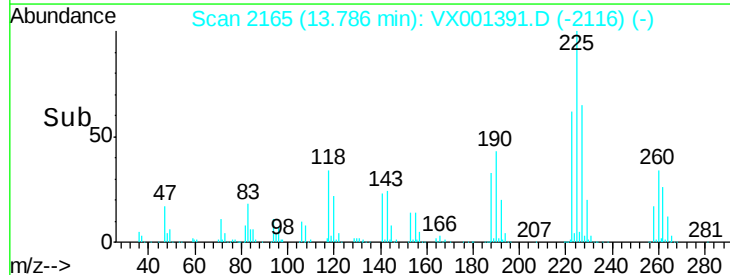
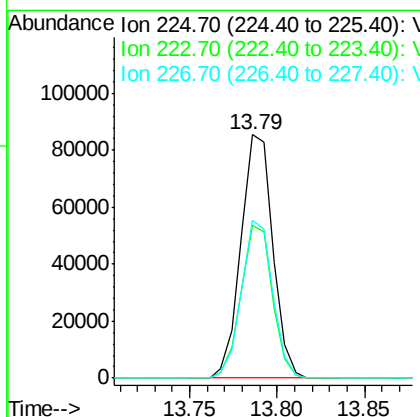
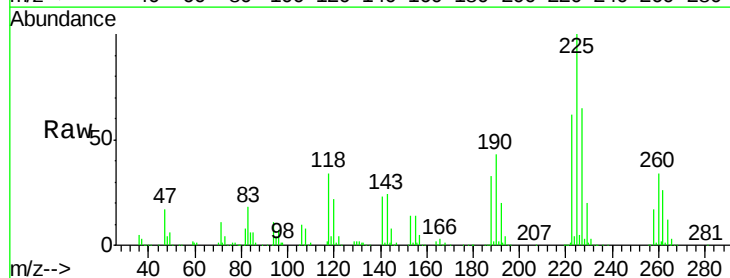
Manual Integrations
 APPROVED

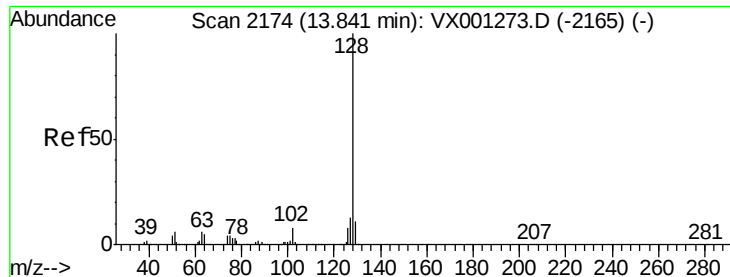
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 5/7/2018 7:28:00 PM



#94
 Hexachlorobutadiene
 Concen: 49.877 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001391.D
 Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108343		
223	61.7	31.4	94.0	
227	63.4	32.5	97.5	





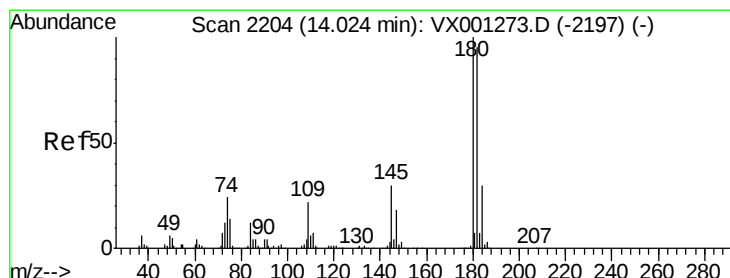
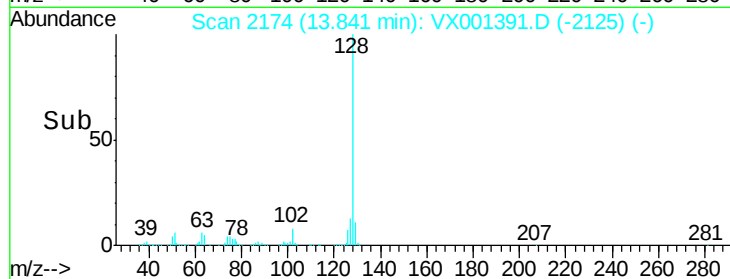
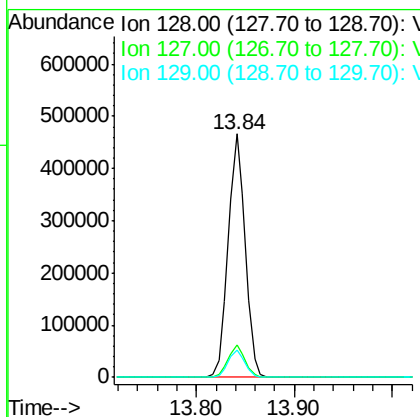
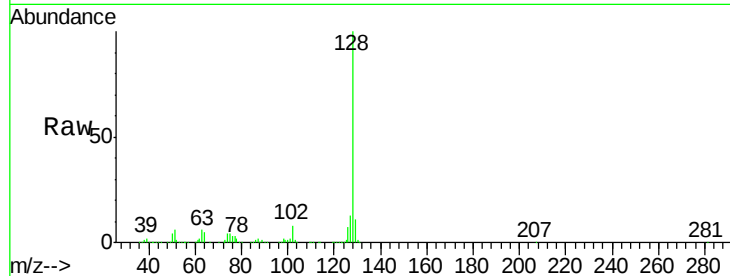
#95
Naphthalene
Concen: 53.435 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 49.344 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001391.D
Acq: 04 May 2018 11:40

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.4	48.1	144.3
145	28.6	14.4	43.4

