

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001806.D
 Acq On : 18 May 2018 04:14
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:32 PM

Quant Time: May 18 06:58:48 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 18 06:08:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	59894	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	257747	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	204118	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	117468	27.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.07%
60) 4-Bromofluorobenzene	11.14	95	91888	28.84	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.13%
63) Toluene-d8	8.72	98	309678	33.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	110.57%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	18101	7.05	ug/l	98
3) Chloromethane	1.32	50	33109	10.59	ug/l	100
4) Vinyl Chloride	1.40	62	28312	8.96	ug/l	97
5) Bromomethane	1.64	94	22923	14.39	ug/l	97
6) Chloroethane	1.73	64	21481	10.03	ug/l	97
7) Trichlorofluoromethane	1.93	101	32463	7.43	ug/l	98
8) Diethyl Ether	2.19	74	22413	10.87	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18897	7.83	ug/l	99
10) 1,1-Dichloroethene	2.37	96	22214	8.61	ug/l	97
11) Methyl Iodide	2.51	142	30346	7.89	ug/l	97
12) Methyl Acetate	2.78	43	55858	11.87	ug/l	98
13) Acrolein	2.30	56	30773	56.45	ug/l	100
14) Acrylonitrile	3.15	53	104046	55.93	ug/l	99
15) Acetone	2.45	58	29167	58.14	ug/l	97
16) Carbon Disulfide	2.57	76	53688	8.35	ug/l	99
17) Allyl chloride	2.73	41	47729	9.43	ug/l	93
18) Methylene Chloride	2.86	84	34060	10.66	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	27587	9.63	ug/l	97
20) Diisopropyl ether	3.88	45	105006	10.71	ug/l	98
21) 1,1-Dichloroethane	3.70	63	54818	10.01	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	34816	10.46	ug/l	98
23) tert-Butyl Alcohol	3.08	59	43871	53.70	ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	104638	10.61	ug/l	99
25) Chloroform	5.22	83	58496	10.26	ug/l	96
26) Cyclohexane	5.58	56	29997	7.87	ug/l	# 97
29) 1,1-Dichloropropene	5.80	75	30019	9.64	ug/l	99
30) 2-Butanone	4.72	43	141034	63.98	ug/l	100
31) 2,2-Dichloropropane	4.59	77	19844	7.82	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	41083	10.32	ug/l	98
33) Carbon Tetrachloride	5.79	117	32442	9.39	ug/l	99
34) Benzene	6.15	78	123846	11.87	ug/l	98
35) Methacrylonitrile	5.07	41	29501	12.40	ug/l	91
36) 1,2-Dichloroethane	6.20	62	48659	11.80	ug/l	100
37) Trichloroethene	7.22	130	33909	11.26	ug/l	100
38) Methylcyclohexane	7.46	83	27383	8.43	ug/l	100
39) 1,2-Dichloropropane	7.52	63	32544	12.28	ug/l	97
40) Dibromomethane	7.67	93	24037	12.65	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	40288	11.39	ug/l	99
42) Vinyl Acetate	3.83	43	352562	51.03	ug/l	100
43) Ethyl Acetate	4.87	43	53196	12.67	ug/l	98
44) Isopropyl Acetate	6.48	43	72300	11.31	ug/l	100
45) 1,4-Dioxane	7.76	88	18295	243.88	ug/l	100
46) Methyl methacrylate	7.79	41	38588	11.25	ug/l	98
47) n-amyl Acetate	10.90	43	48981	9.36	ug/l	98
48) t-1,3-Dichloropropene	8.44	75	41053	10.60	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	35734	10.45	ug/l	99
50) 1,1,2-Trichloroethane	9.22	97	31908	11.56	ug/l	98
51) Ethyl methacrylate	9.19	69	40934	10.32	ug/l	99
52) 1,3-Dichloropropane	9.38	76	51988	11.49	ug/l	100
53) Dibromochloromethane	9.59	129	30351	10.66	ug/l	98
54) 1,2-Dibromoethane	9.68	107	32939	11.41	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	120315	55.76	ug/l	99
56) Bromoform	10.86	173	23719	10.12	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	265206	67.74	ug/l	100
59) 2-Hexanone	9.51	43	177126	62.48	ug/l	98
61) Tetrachloroethene	9.34	164	31844	10.95	ug/l	97
62) Toluene	8.79	91	124072	12.42	ug/l	98
64) Chlorobenzene	10.15	112	72418	11.32	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	29169	11.81	ug/l	98
66) Ethyl Benzene	10.26	91	100019	10.08	ug/l	100
67) m/p-Xylenes	10.37	106	80653	20.39	ug/l	99
68) o-Xylene	10.70	106	41485	10.50	ug/l	97
69) Styrene	10.72	104	68031	10.37	ug/l	100
70) Isopropylbenzene	11.02	105	98654	9.89	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	46019	12.87	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	43341m	12.52	ug/l	
73) Bromobenzene	11.26	156	35355	11.33	ug/l	99
74) n-propylbenzene	11.37	91	101209	9.30	ug/l	100
75) 2-Chlorotoluene	11.43	91	71222	10.27	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	81507	9.72	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	8285	9.59	ug/l	94
78) 4-Chlorotoluene	11.52	91	77502	9.87	ug/l	98
79) tert-butylbenzene	12.07	119	78001	8.91	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	83249	9.70	ug/l	99
81) sec-Butylbenzene	11.95	105	85721	8.94	ug/l	100
82) p-Isopropyltoluene	12.07	119	78001	8.91	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	53921	10.12	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	53512	10.01	ug/l	99
85) n-Butylbenzene	12.40	91	53083	7.70	ug/l	99
86) Hexachloroethane	12.60	117	12709	9.02	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	58847	10.56	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	9057	11.02	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	34661	8.89	ug/l	99
90) Hexachlorobutadiene	13.79	225	17707	9.02	ug/l	99
91) Naphthalene	13.84	128	120465	9.99	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	40099	9.62	ug/l	97

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QLast Update : Fri May 18 06:08:30 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

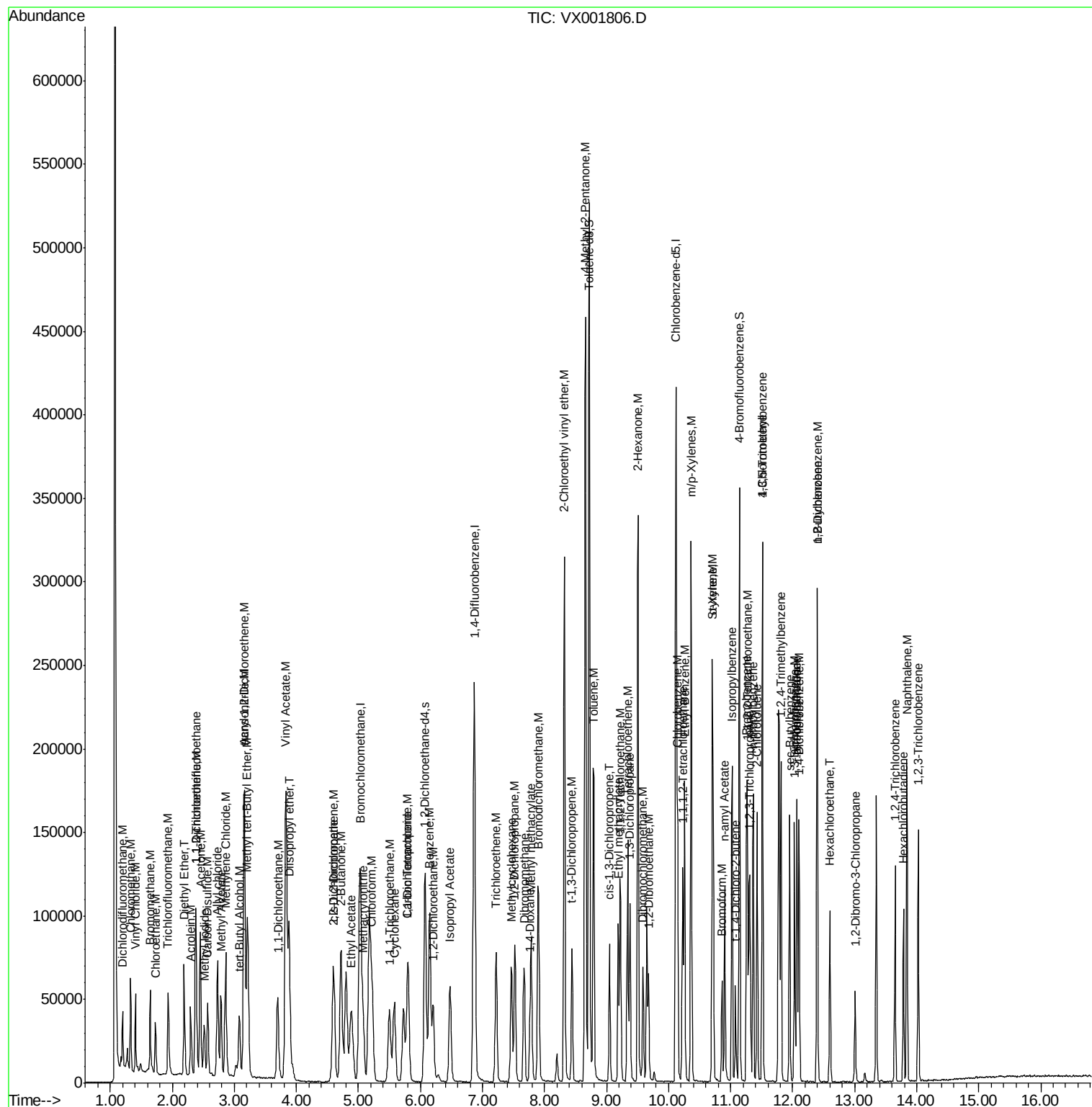
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001806.D
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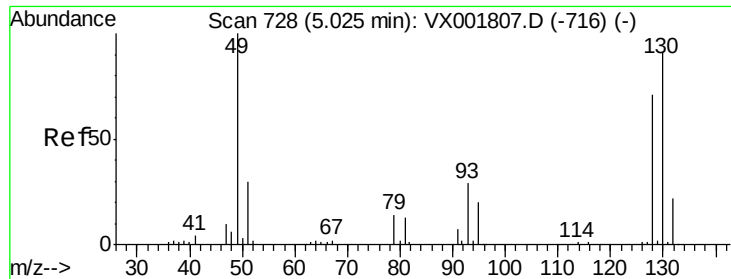
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICC010

Manual Integrations
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

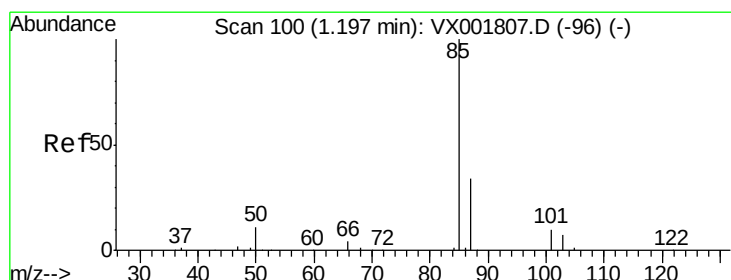
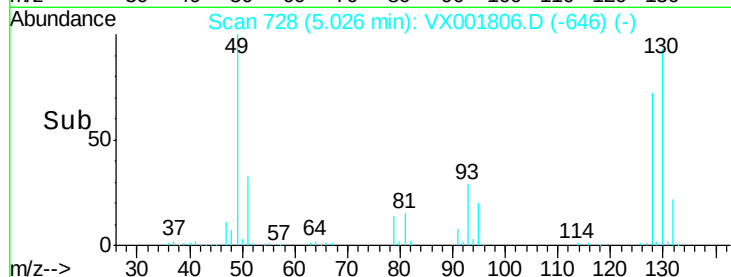
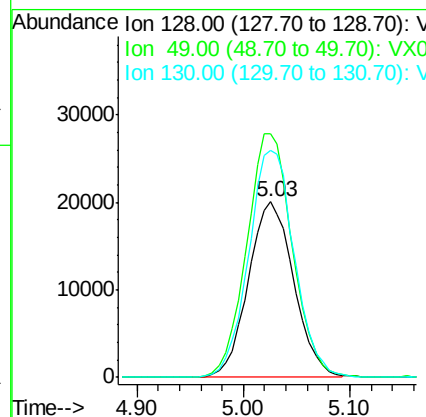
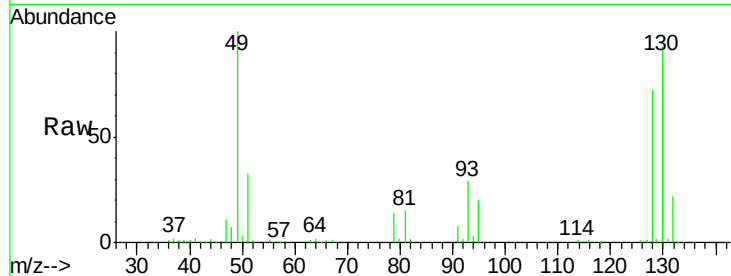
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
49	140.0	0.0	352.3
130	130.4	0.0	323.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 7.05 ug/l

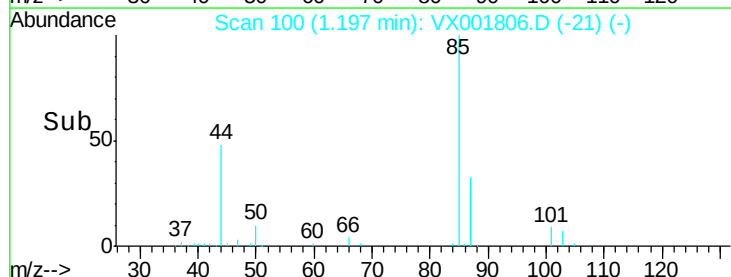
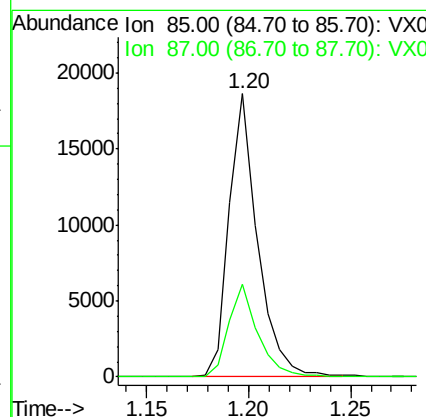
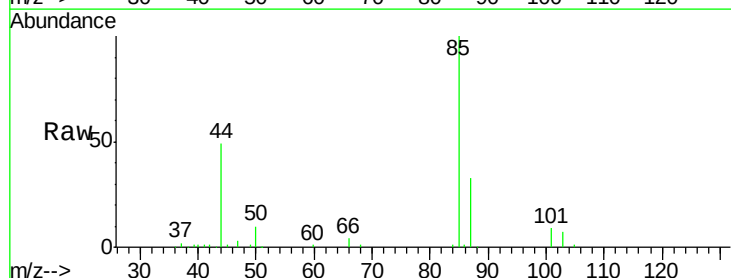
RT: 1.20 min Scan# 100

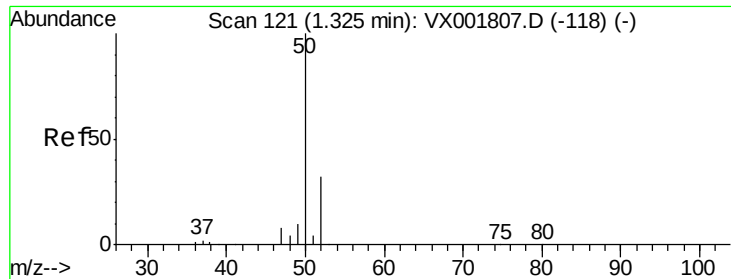
Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.9	50.7





#3

Chloromethane

Concen: 10.59 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 33109

Ion Ratio Lower Upper

50 100

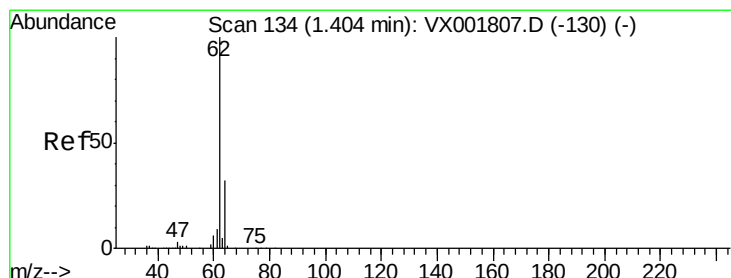
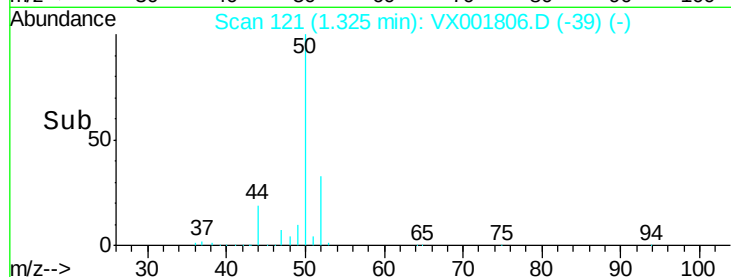
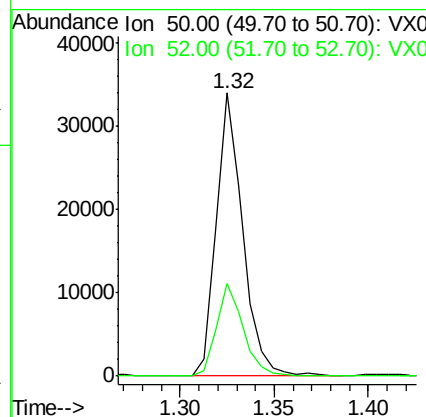
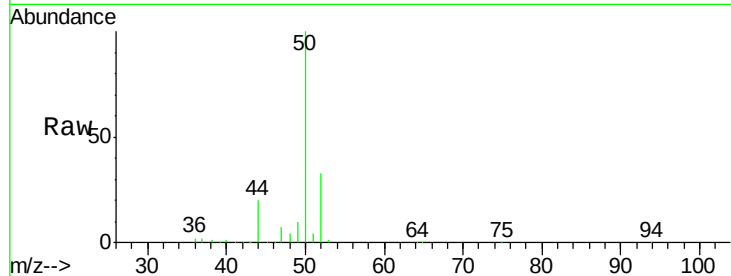
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 8.96 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001806.D

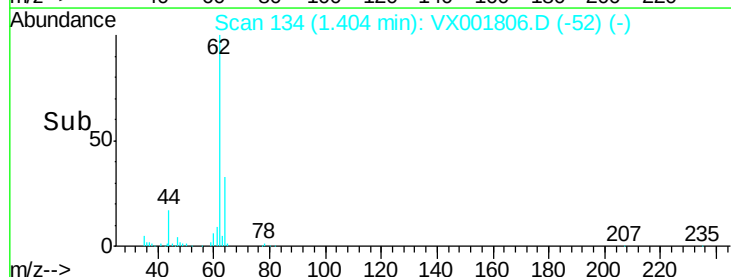
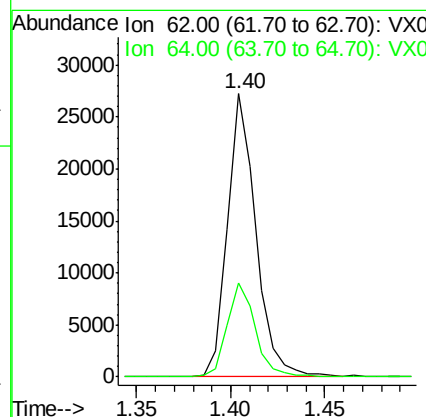
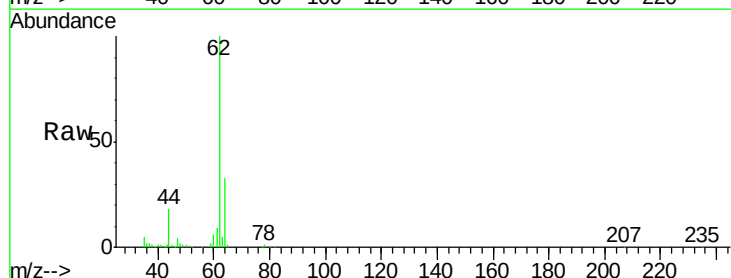
Acq: 18 May 2018 04:14

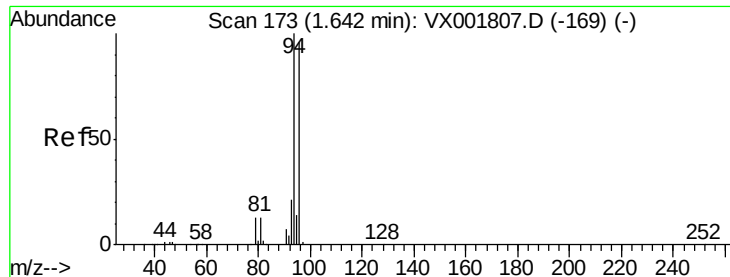
Tgt Ion: 62 Resp: 28312

Ion Ratio Lower Upper

62 100

64 33.4 25.4 38.2





#5

Bromomethane

Concen: 14.39 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 22923

Ion Ratio Lower Upper

94 100

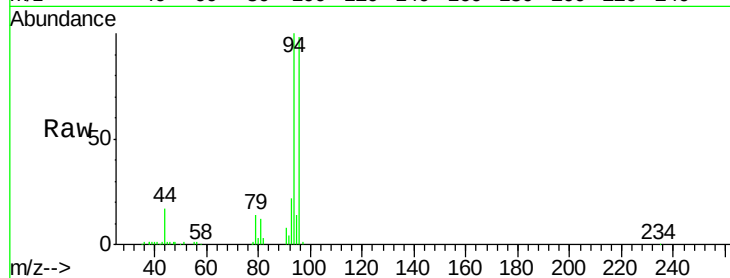
96 98.8 76.6 115.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

20000

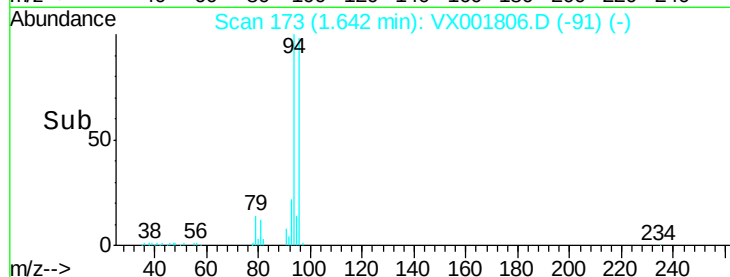
15000

10000

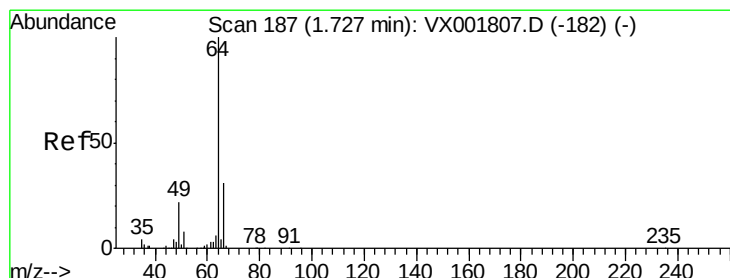
5000

0

Time-->



Time-->



#6

Chloroethane

Concen: 10.03 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX001806.D

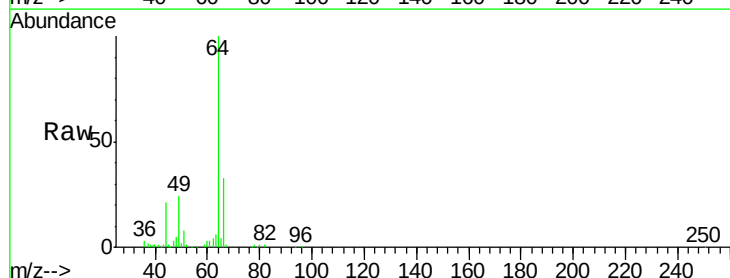
Acq: 18 May 2018 04:14

Tgt Ion: 64 Resp: 21481

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.73

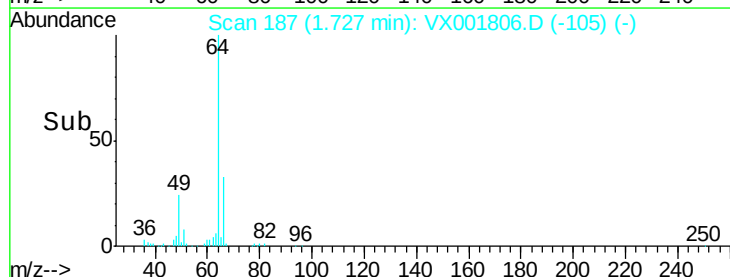
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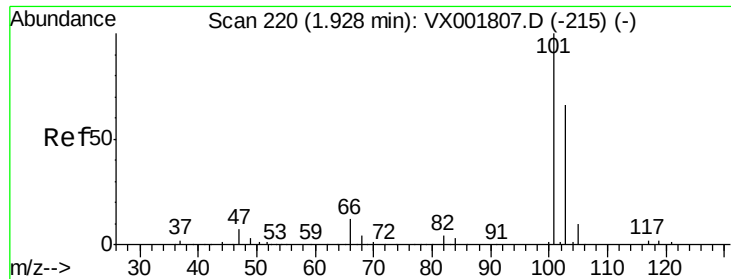
10000

5000

0

Time-->





#7

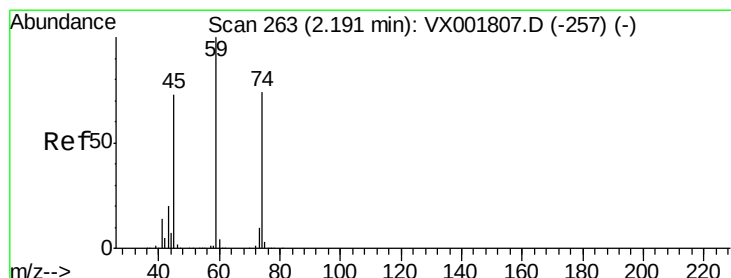
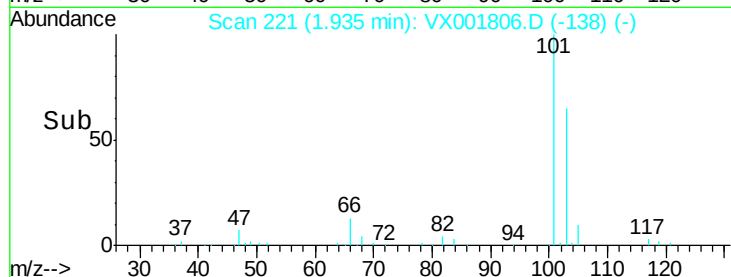
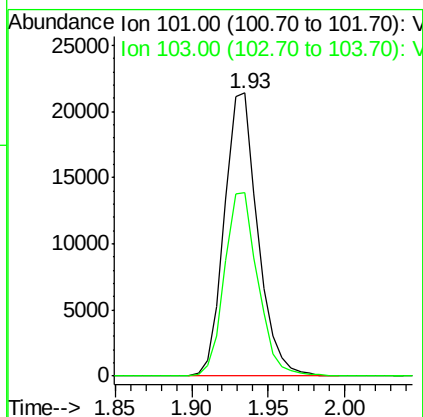
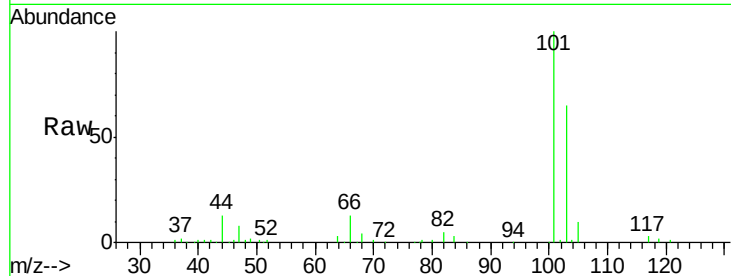
Trichlorofluoromethane
Concen: 7.43 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

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MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion:101 Resp: 32463
Ion Ratio Lower Upper
101 100
103 64.9 52.9 79.3

Manual Integrations
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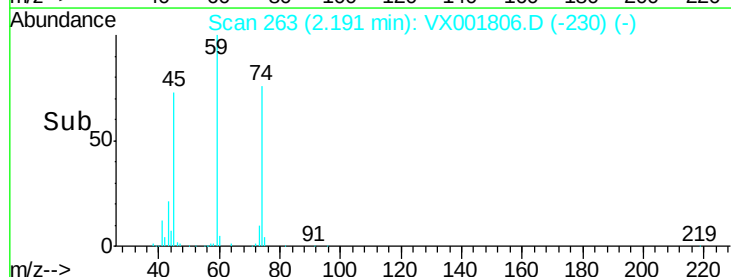
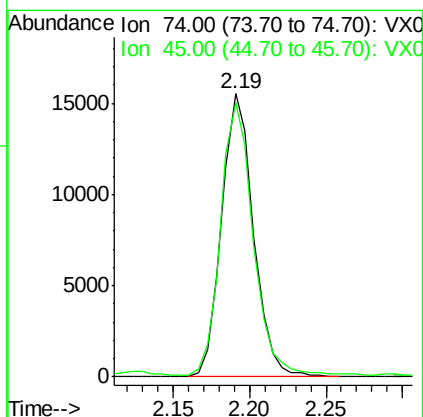
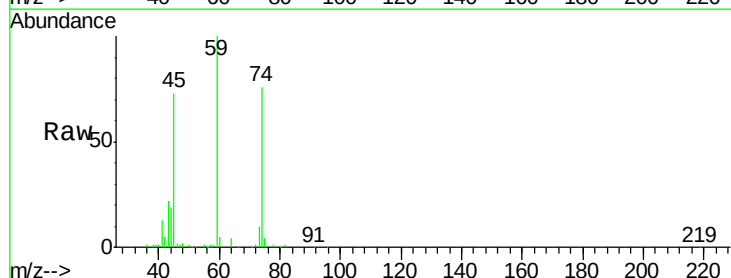
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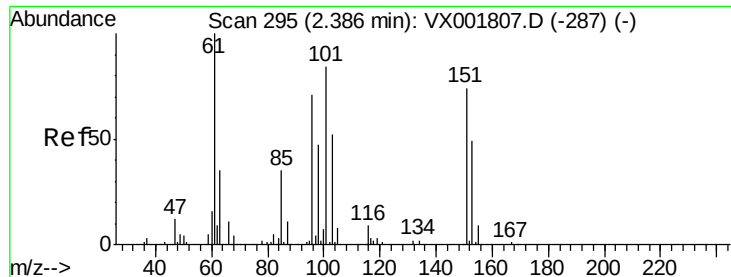


#8

Diethyl Ether
Concen: 10.87 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion: 74 Resp: 22413
Ion Ratio Lower Upper
74 100
45 96.9 19.8 178.0





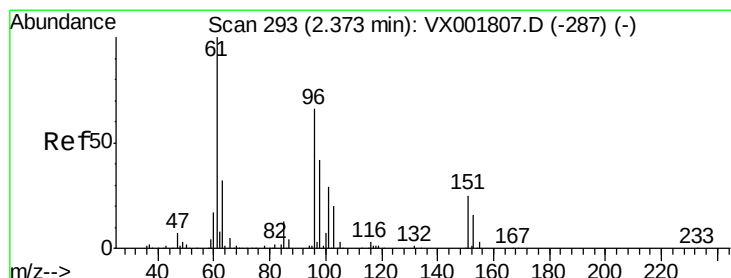
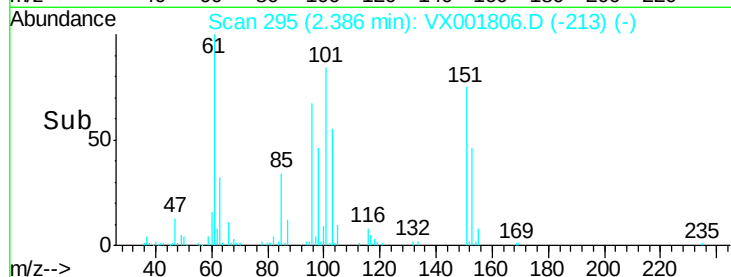
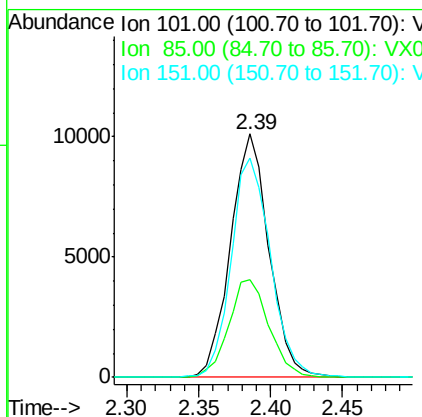
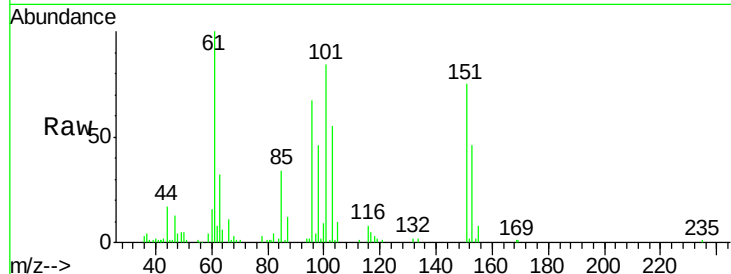
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.83 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
101	100	18897		
85	41.8	0.0	83.0	
151	92.1	0.0	182.8	

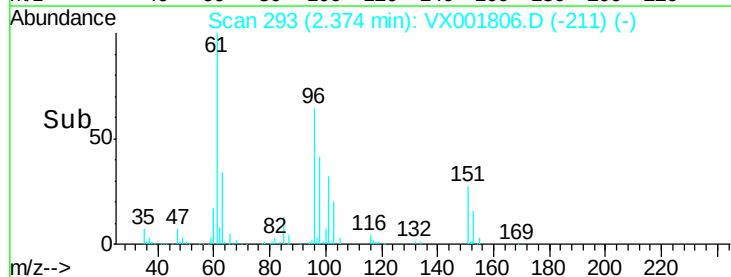
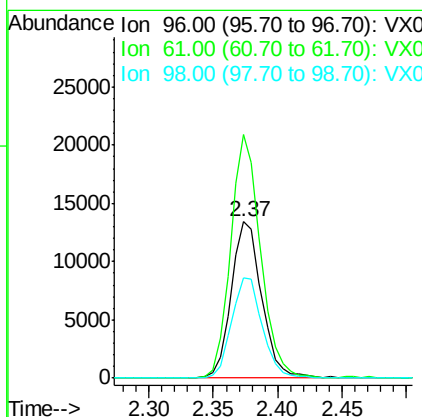
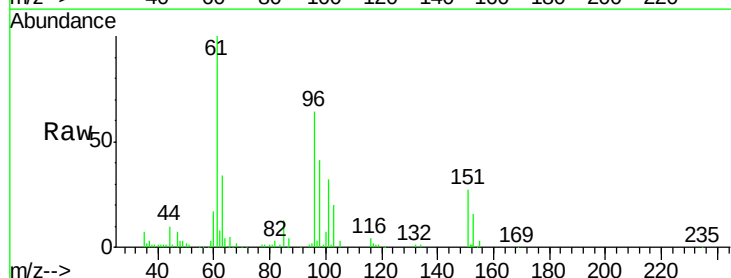
Manual Integrations
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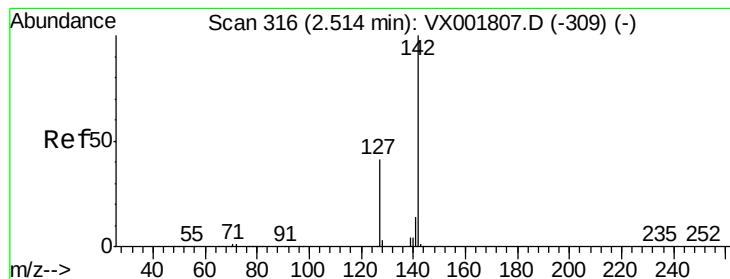
MMDadoda
 5/21/2018 2:40:32 PM



#10
 1,1-Dichloroethene
 Concen: 8.61 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	22214		
61	155.9	120.9	181.3	
98	64.2	50.2	75.4	





#11

Methvl Iodide

Concen: 7.89 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

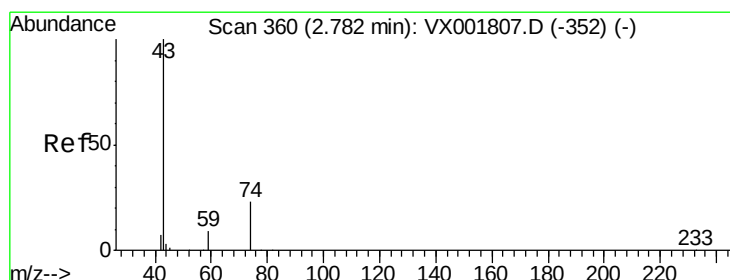
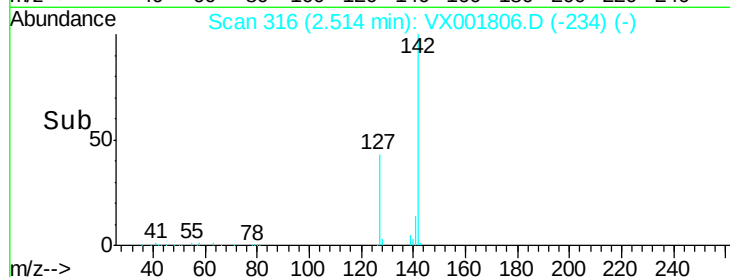
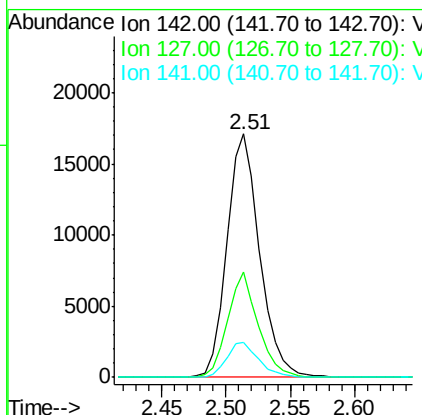
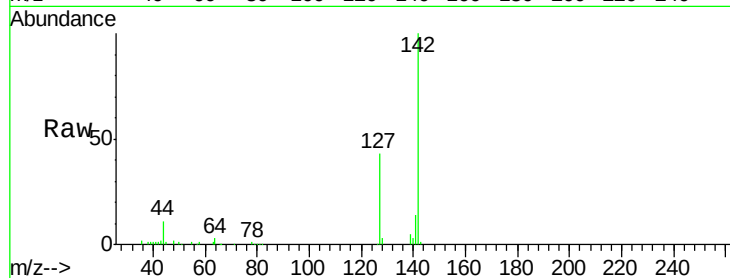
ClientSampled :

VSTDIC010

Tot Ion:	142	Resp:	30346
Ion Ratio	Lower	Upper	
142	100		
127	43.2	20.3	61.0
141	14.5	7.0	21.1

Manual Integrations
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5/21/2018 2:40:32 PM



#12

Methyl Acetate

Concen: 11.87 ug/l

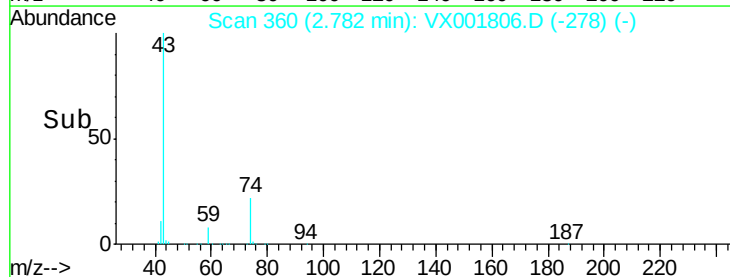
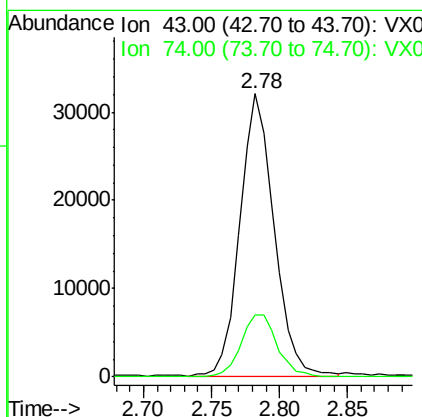
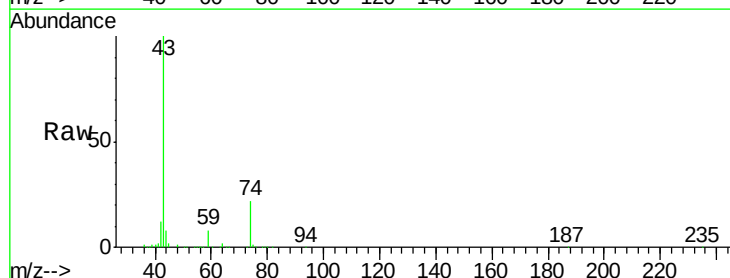
RT: 2.78 min Scan# 360

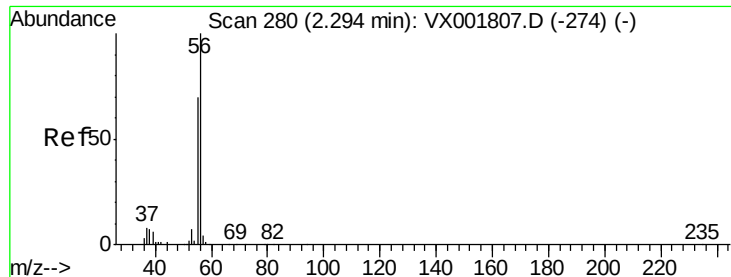
Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tgt Ion:	43	Resp:	55858
Ion Ratio	Lower	Upper	
43	100		
74	21.9	18.2	27.4





#13

Acrolein

Concen: 56.45 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 30773

Ion Ratio Lower Upper

56 100

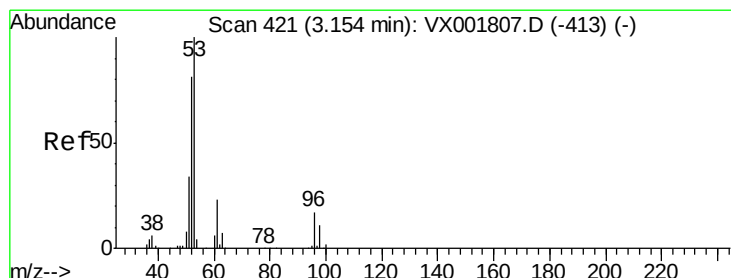
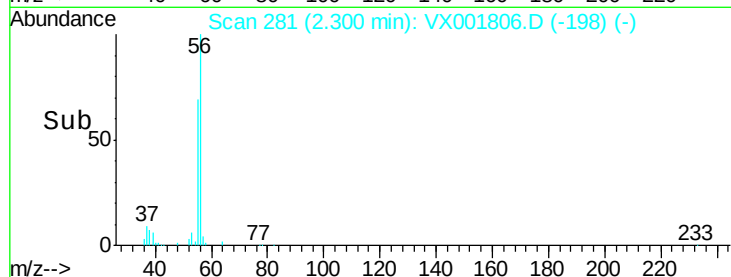
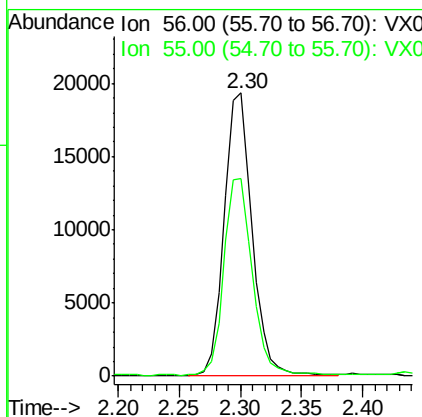
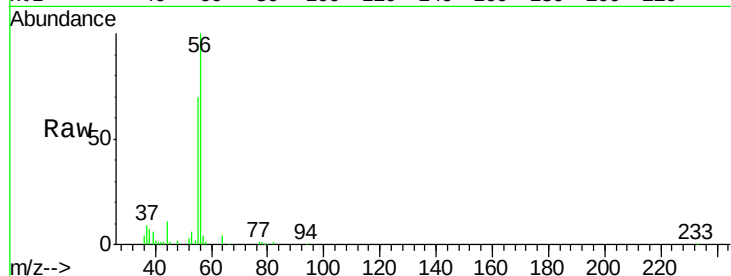
55 70.0 56.0 84.0

Manual Integrations

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#14

Acrylonitrile

Concen: 55.93 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

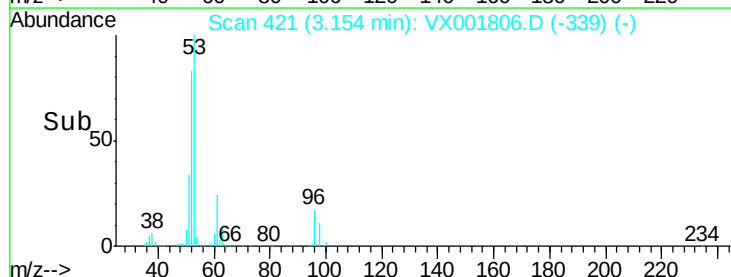
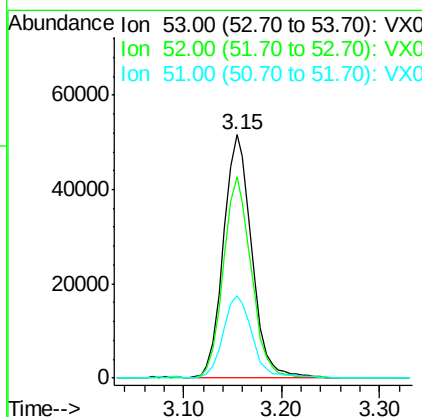
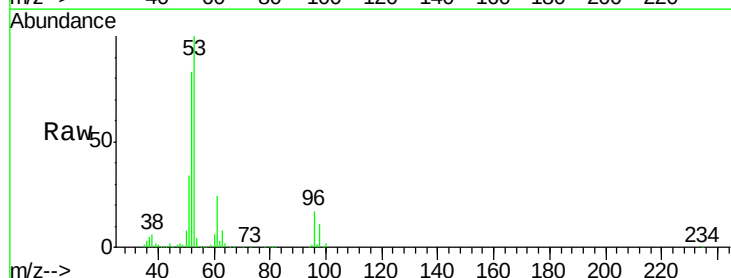
Tgt Ion: 53 Resp: 104046

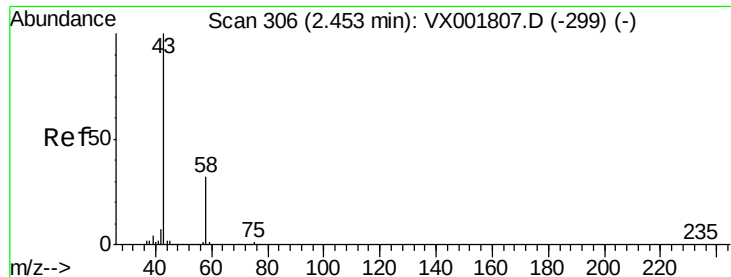
Ion Ratio Lower Upper

53 100

52 80.8 40.7 122.1

51 33.6 17.4 52.3





#15

Acetone

Concen: 58.14 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

Tot Ion: 58 Resp: 29167

Ion Ratio Lower Upper

58 100

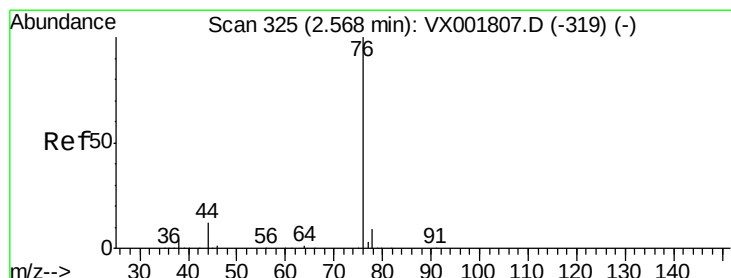
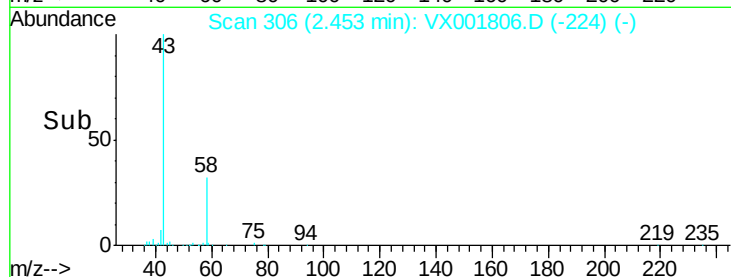
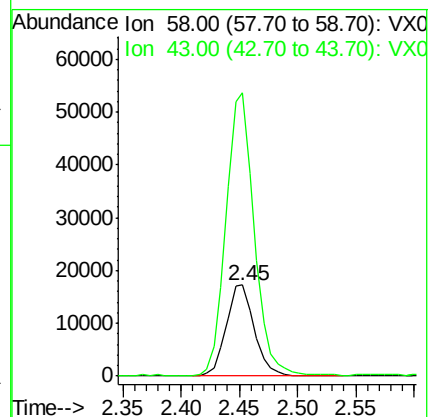
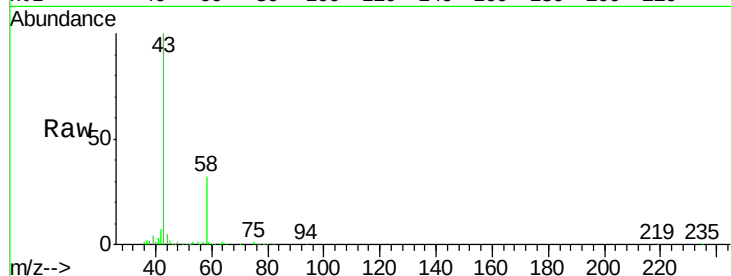
43 309.8 252.1 378.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 8.35 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001806.D

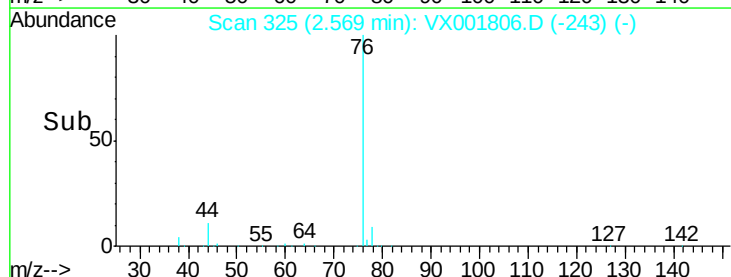
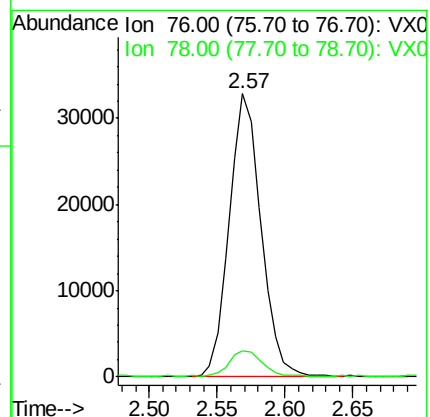
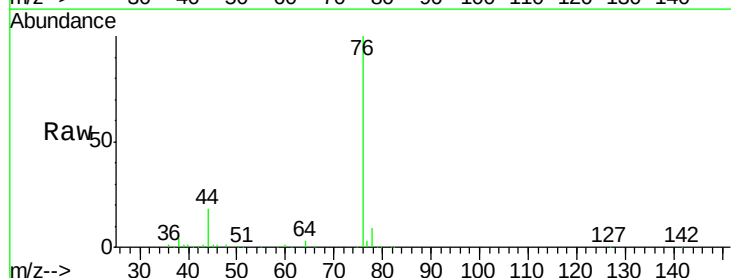
Acq: 18 May 2018 04:14

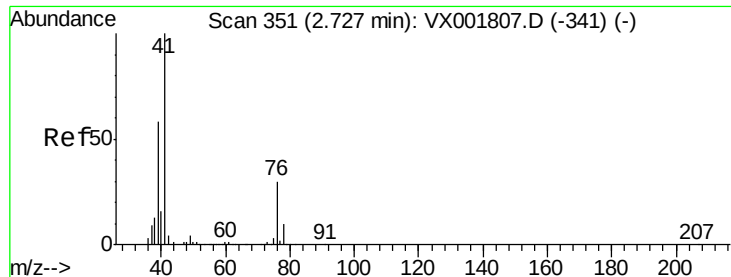
Tgt Ion: 76 Resp: 53688

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3





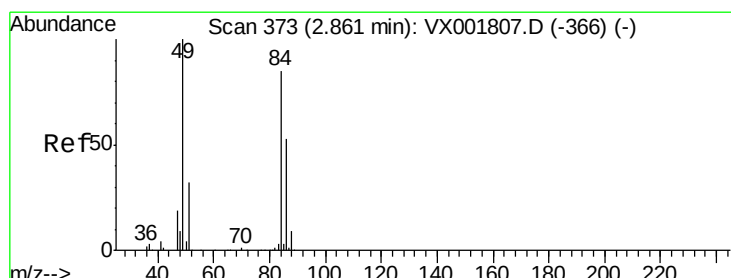
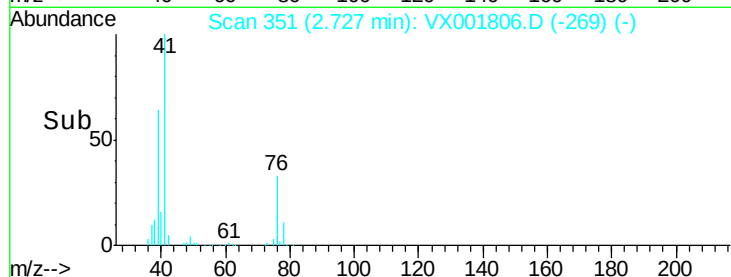
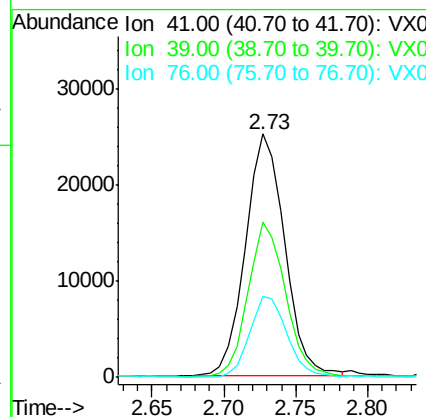
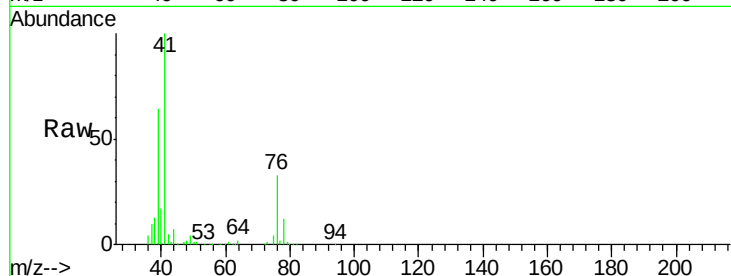
#17
Allvl chloride
Concen: 9.43 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	47729
Ion	Ratio	Lower	Upper
41	100		
39	63.7	29.1	87.3
76	33.5	15.2	45.5

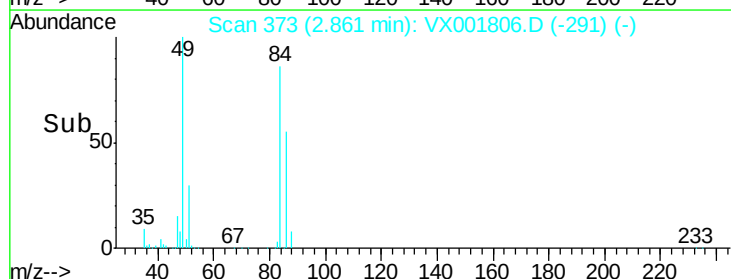
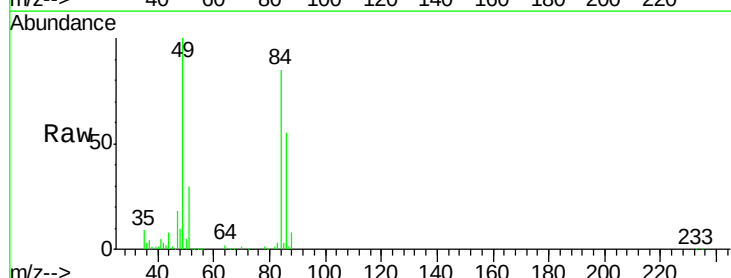
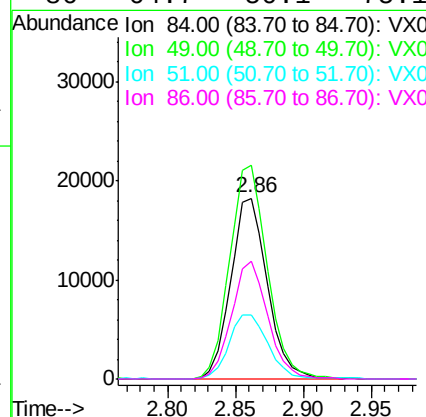
Manual Integrations
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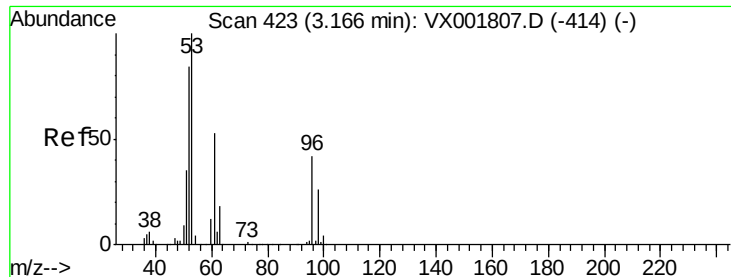
MMDadoda
5/21/2018 2:40:32 PM



#18
Methylene Chloride
Concen: 10.66 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion:	84	Resp:	34060
Ion	Ratio	Lower	Upper
84	100		
49	117.9	94.1	141.1
51	35.3	29.8	44.6
86	64.7	50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 9.63 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

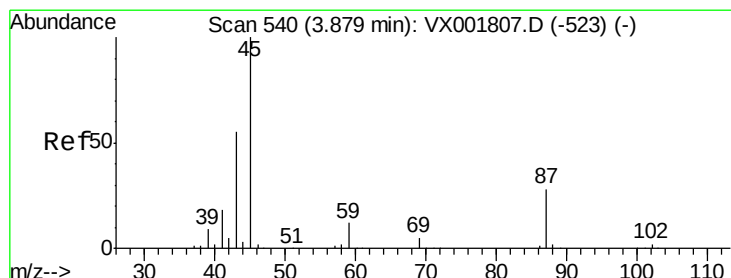
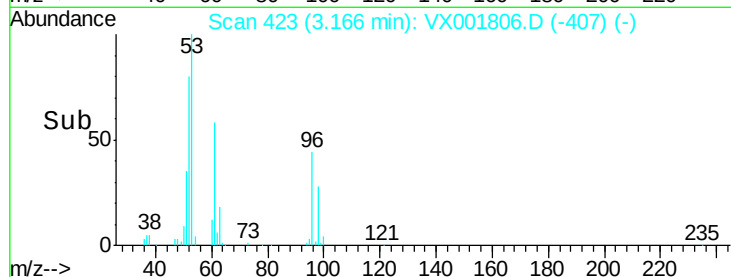
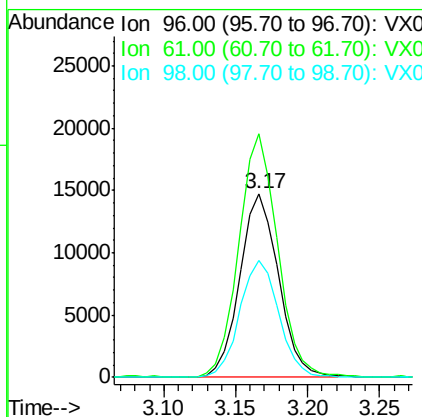
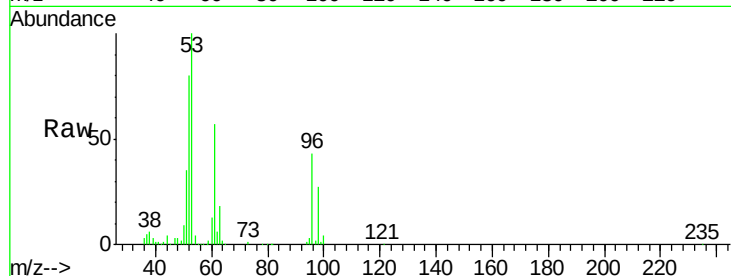
ClientSampled :

VSTDIC010

Tot Ion:	96	Resp:	27587
Ion	Ratio	Lower	Upper
96	100		
61	132.5	102.9	154.3
98	63.5	49.7	74.5

Manual Integrations
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MMDadoda
5/21/2018 2:40:32 PM



#20

Diisopropyl ether

Concen: 10.71 ug/l

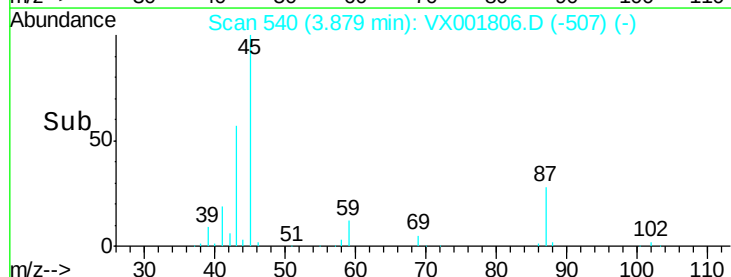
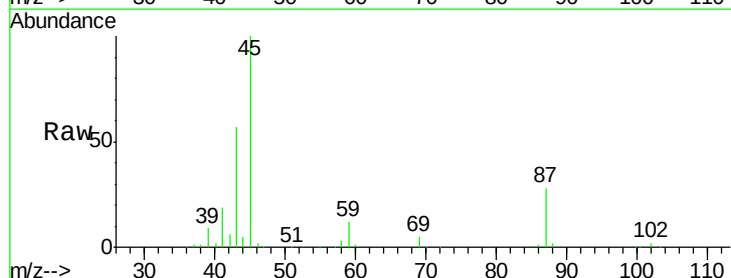
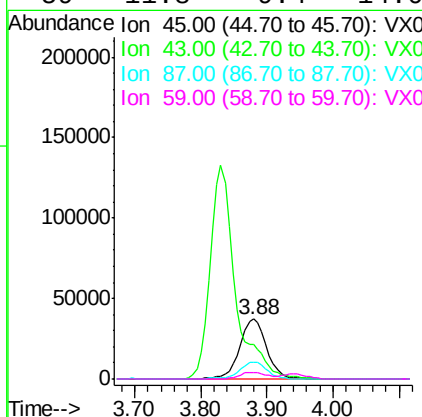
RT: 3.88 min Scan# 540

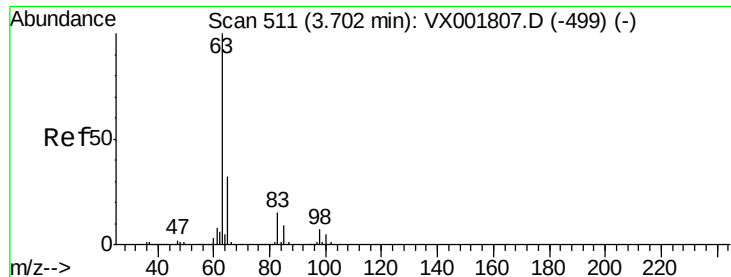
Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tgt Ion:	45	Resp:	105006
Ion	Ratio	Lower	Upper
45	100		
43	57.1	44.2	66.2
87	28.3	22.4	33.6
59	11.8	9.4	14.0





#21

1,1-Dichloroethane

Concen: 10.01 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

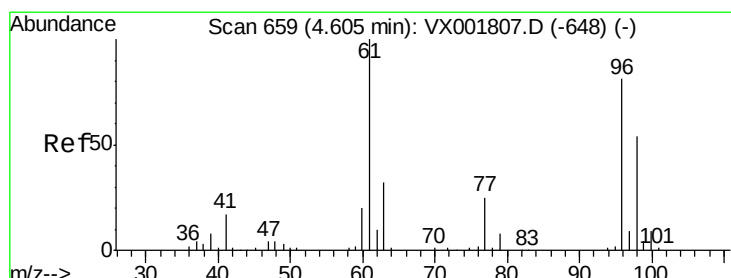
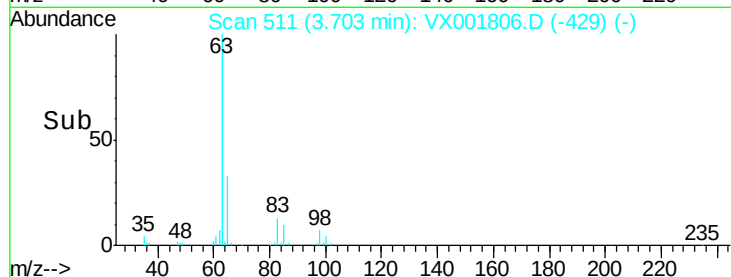
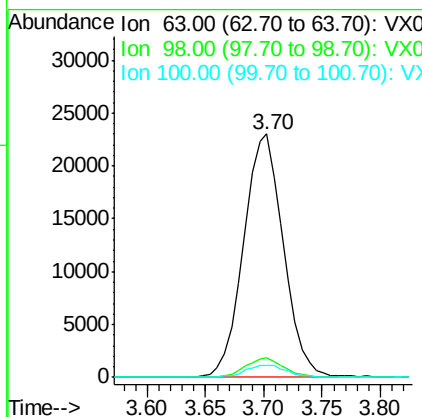
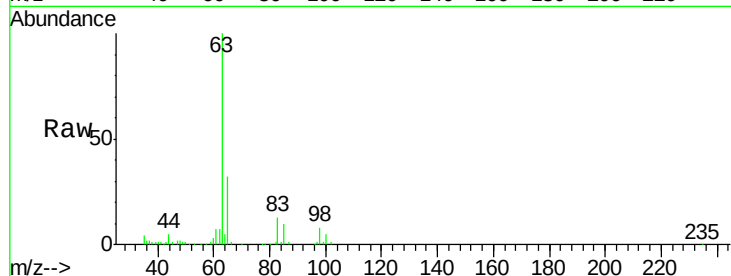
ClientSampleId :

VSTDIC010

Tot Ion:	63	Resp:	54818
Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.7	11.1
100	4.7	2.5	7.6

Manual Integrations
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5/21/2018 2:40:32 PM



#22

cis-1,2-Dichloroethene

Concen: 10.46 ug/l

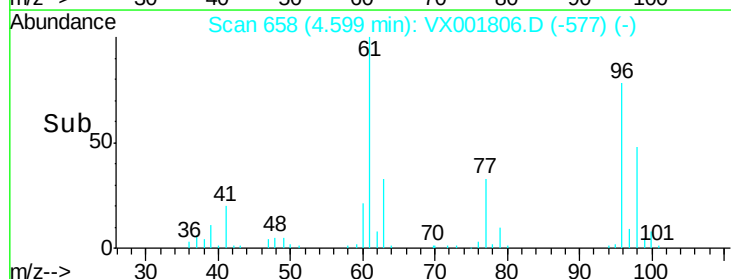
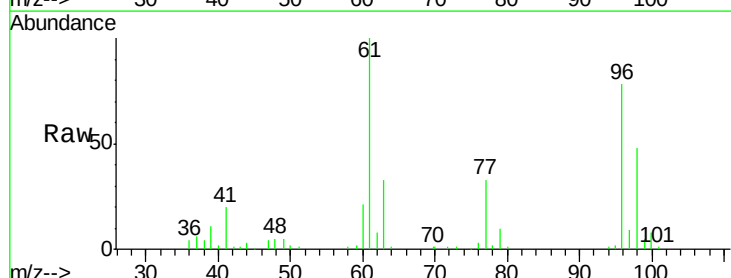
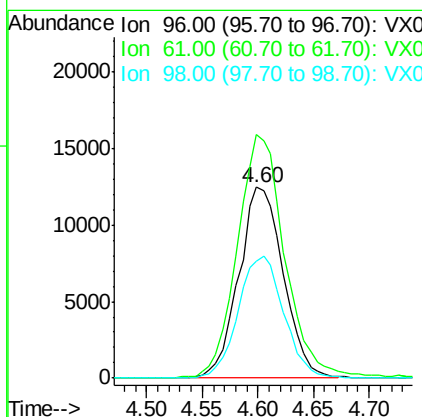
RT: 4.60 min Scan# 658

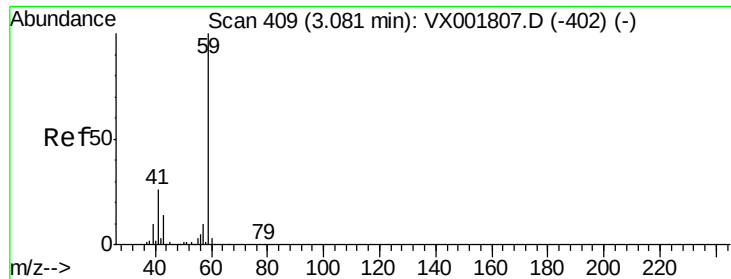
Delta R.T. -0.01 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tgt Ion:	96	Resp:	34816
Ion	Ratio	Lower	Upper
96	100		
61	135.6	105.9	158.9
98	64.9	51.5	77.3





#23

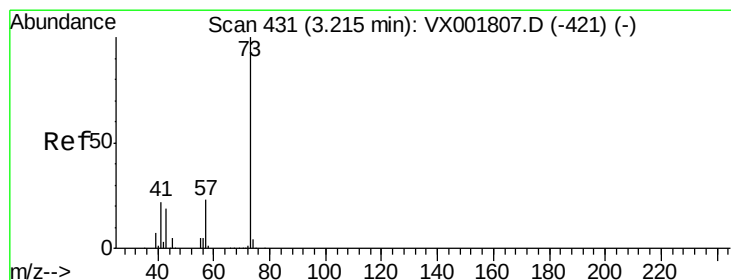
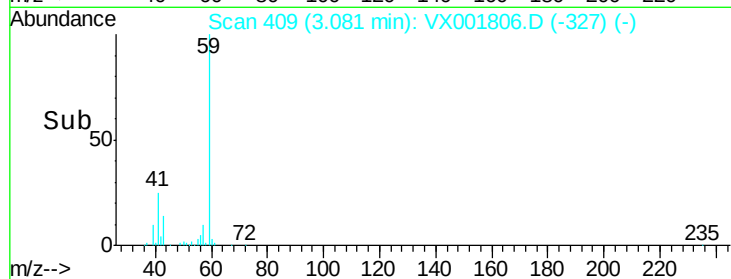
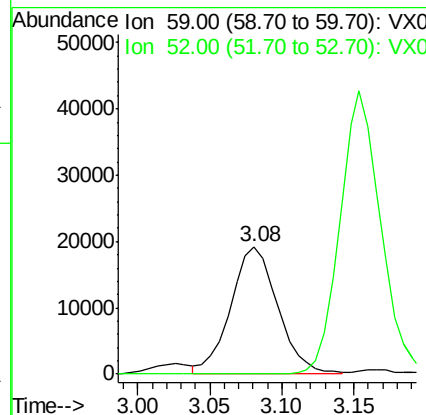
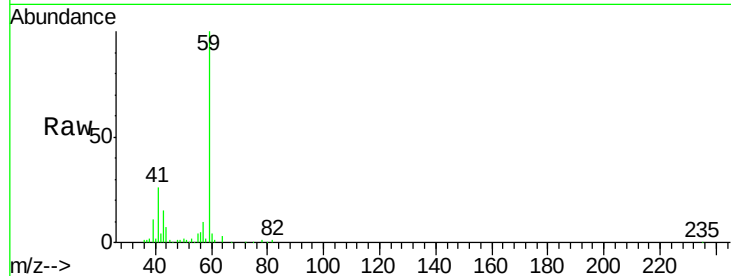
tert-Butyl Alcohol
 Concen: 53.70 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.1	0.1	0.1	0.1

Manual Integrations
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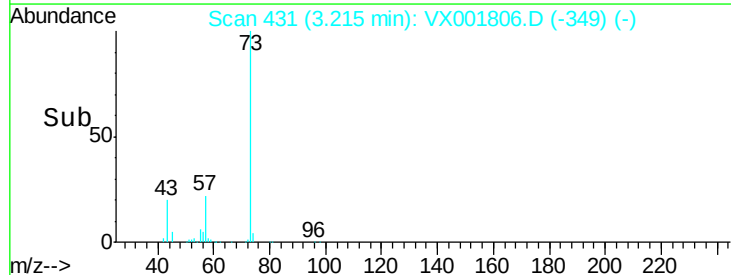
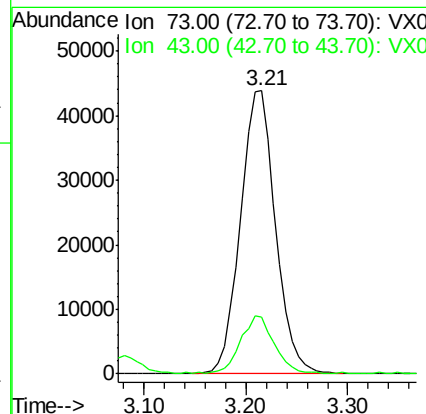
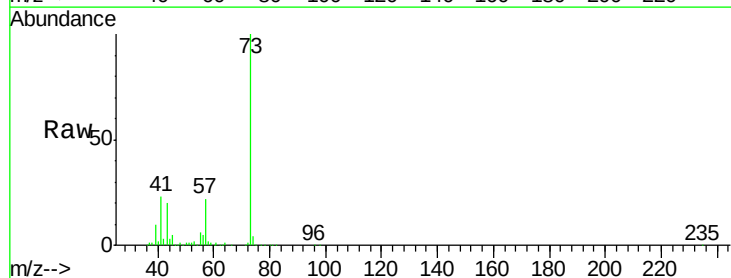
MMDadoda
 5/21/2018 2:40:32 PM

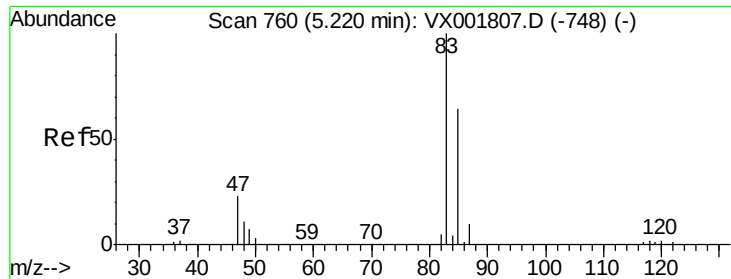


#24

Methyl tert-Butyl Ether
 Concen: 10.61 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	19.2	15.2	22.8	





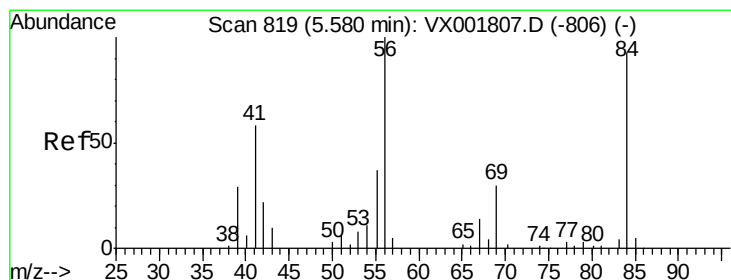
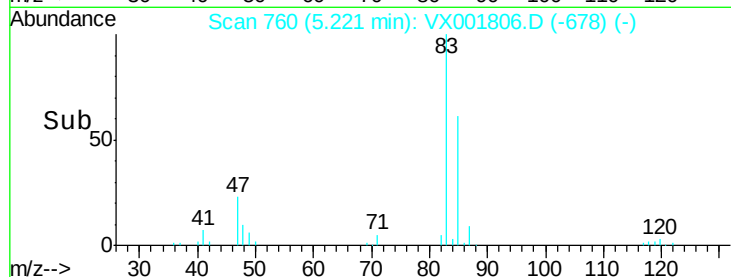
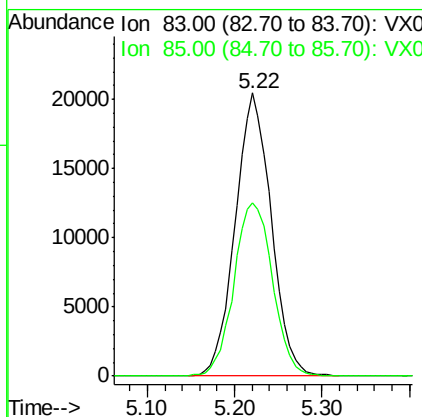
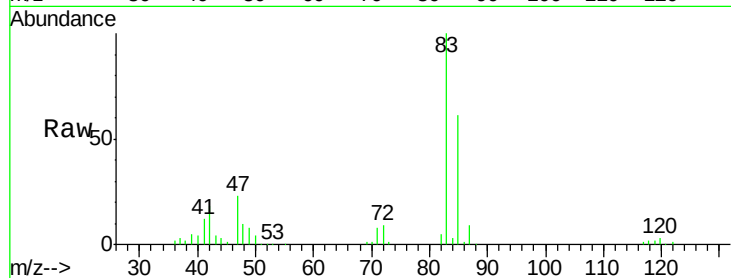
#25
Chloroform
Concen: 10.26 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	58496
Ion Ratio	100	Lower	Upper
85	61.1	51.6	77.4

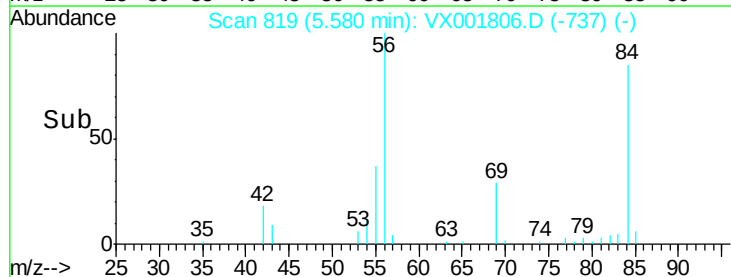
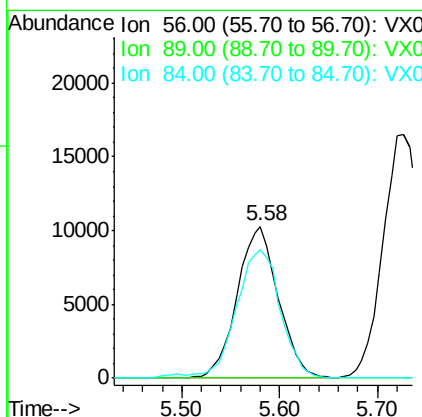
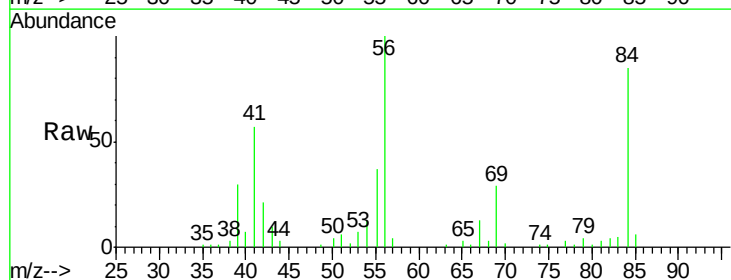
Manual Integrations
APPROVED

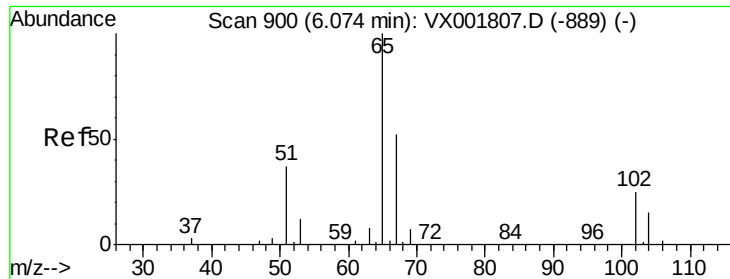
MMDadoda
5/21/2018 2:40:32 PM



#26
Cyclohexane
Concen: 7.87 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion	56	Resp	29997
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	89.9	73.8	110.8





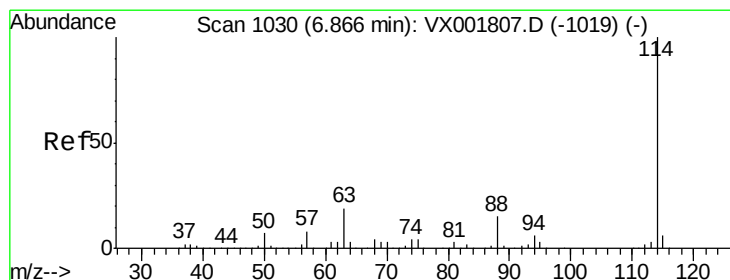
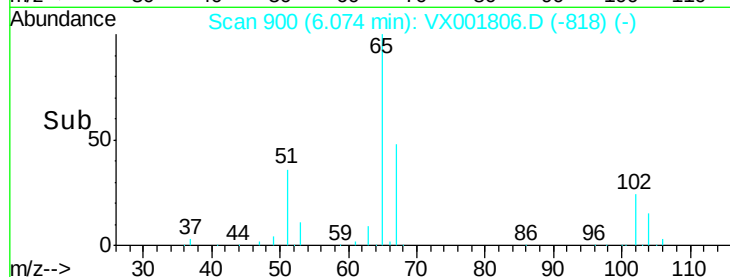
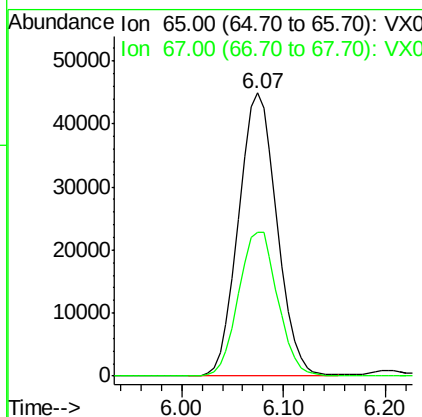
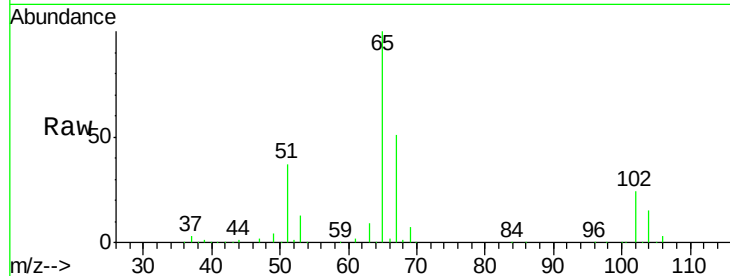
#27
 1,2-Dichloroethane-d4
 Concen: 27.62 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

Tot Ion: 65 Resp: 117468
 Ion Ratio Lower Upper
 65 100
 67 52.0 42.1 63.1

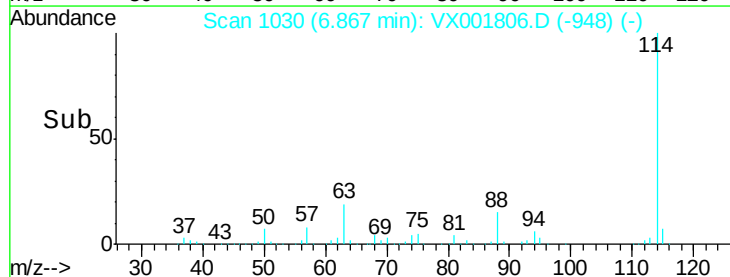
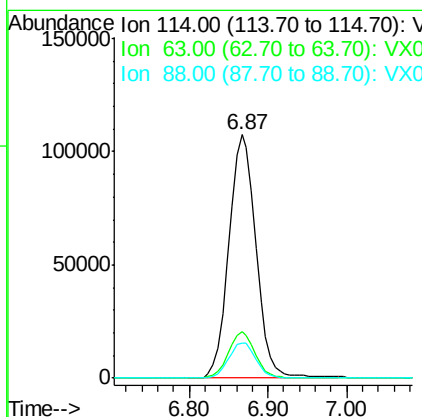
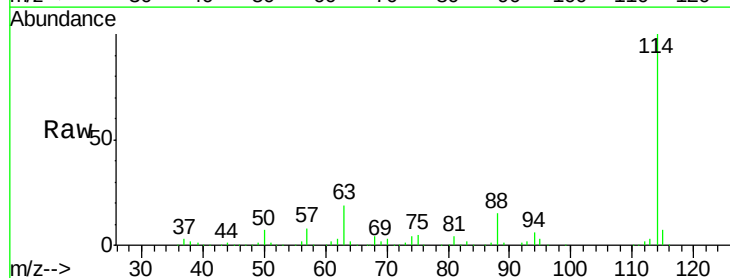
Manual Integrations
 APPROVED

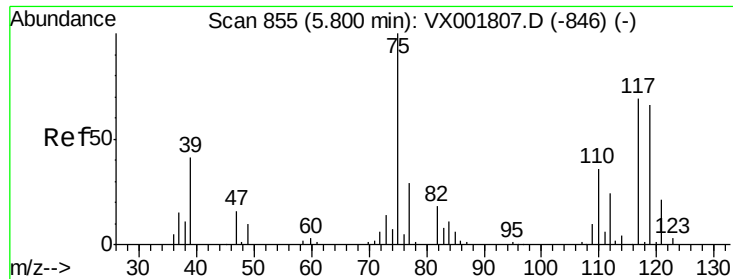
MMDadoda
 5/21/2018 2:40:32 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion: 114 Resp: 257747
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.9 22.3
 88 14.6 11.8 17.8





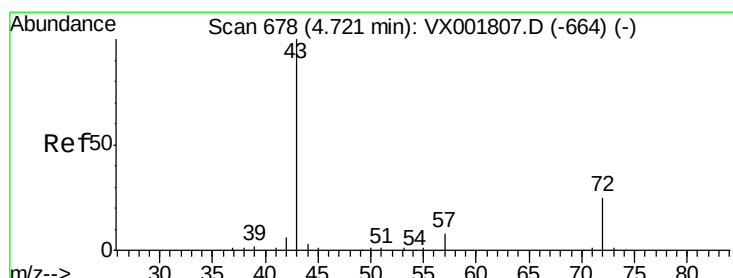
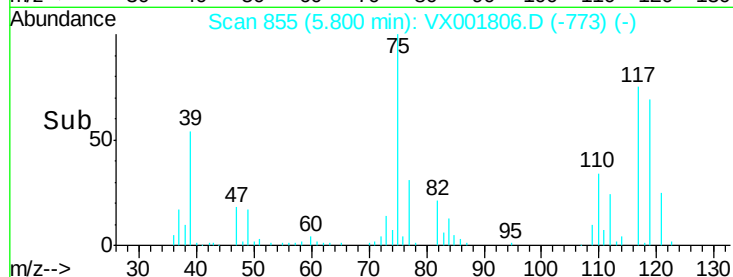
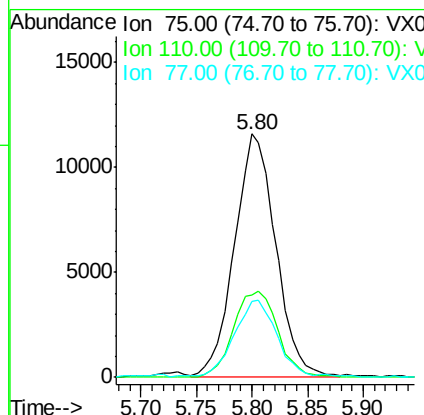
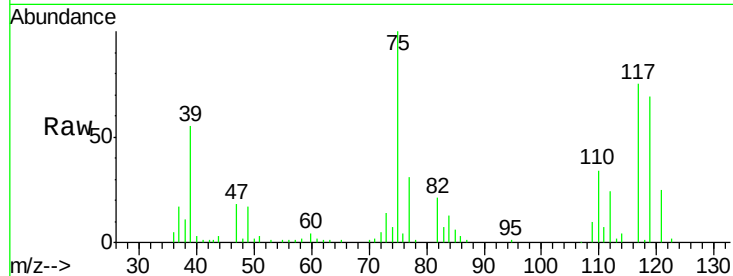
#29
 1,1-Dichloropropene
 Concen: 9.64 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.6	0.0	75.2
77	32.4	0.0	61.6

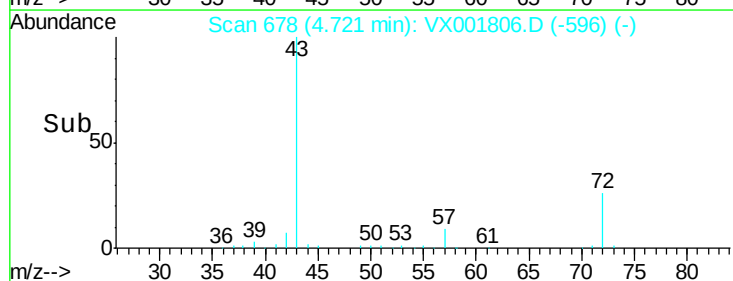
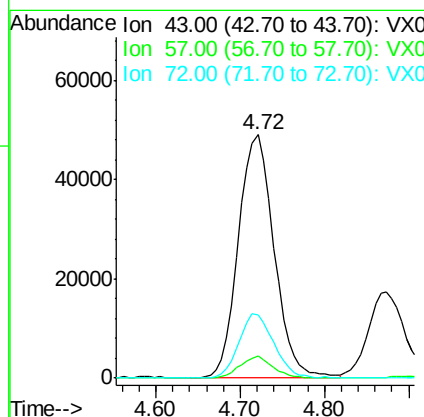
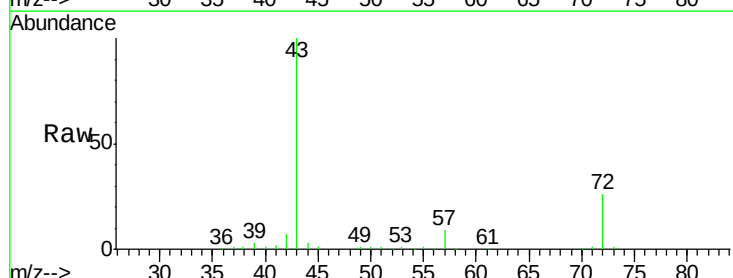
Manual Integrations
 APPROVED

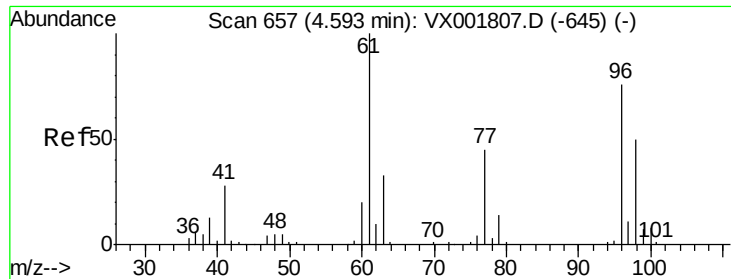
MMDadoda
 5/21/2018 2:40:32 PM



#30
 2-Butanone
 Concen: 63.98 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.4	9.6
72	25.8	20.6	30.8





#31

2,2-Dichloropropane

Concen: 7.82 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tot Ion: 77 Resp: 19844

Ion Ratio Lower Upper

77 100

97 26.1 22.3 33.5

Instrument :

MSVOA_X

ClientSampled :

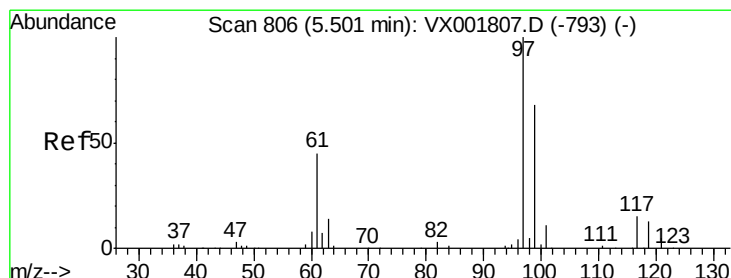
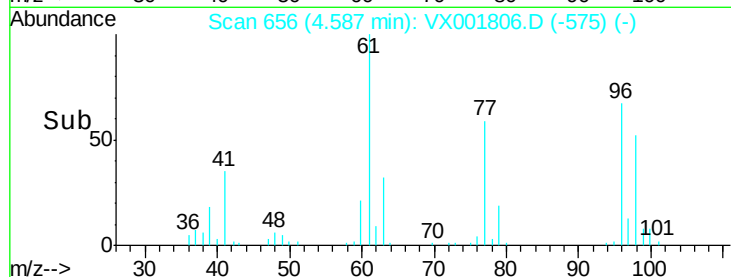
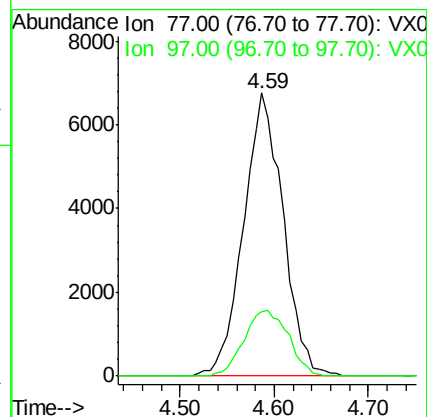
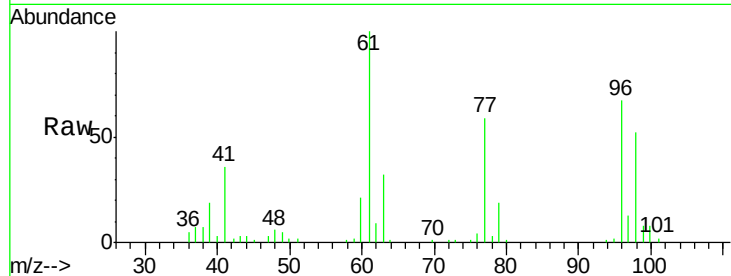
VSTDIC010

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 10.32 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

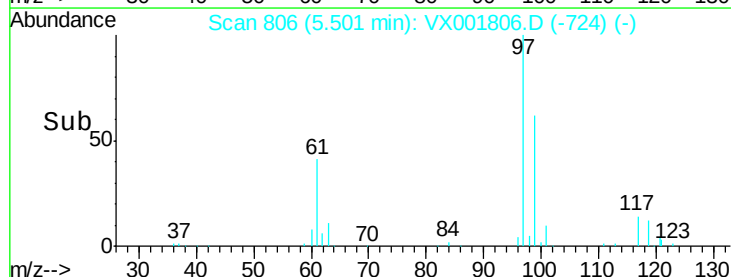
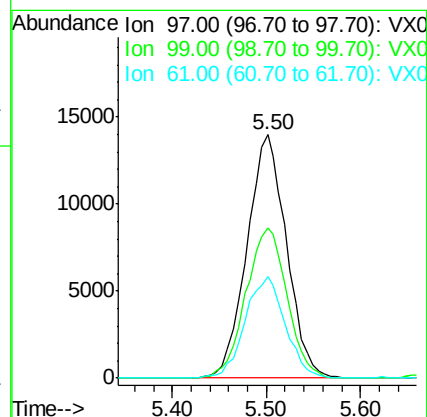
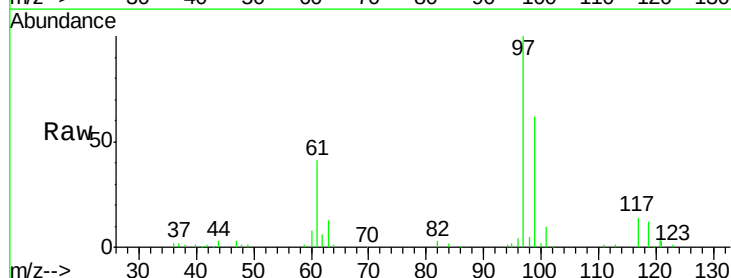
Tgt Ion: 97 Resp: 41083

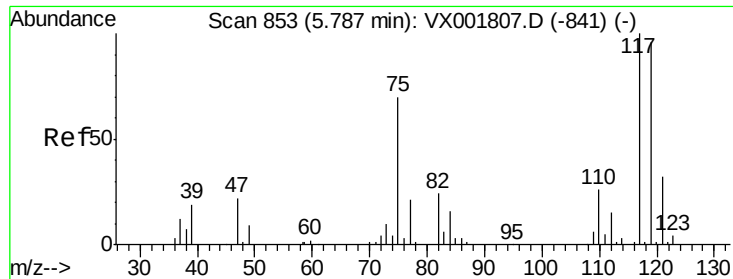
Ion Ratio Lower Upper

97 100

99 64.0 52.4 78.6

61 42.1 34.6 51.8





#33

Carbon Tetrachloride

Concen: 9.39 ug/l

RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampleId :

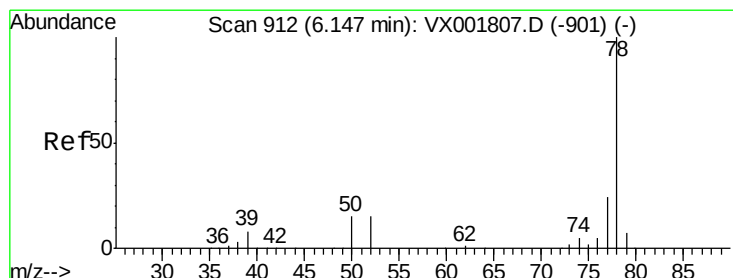
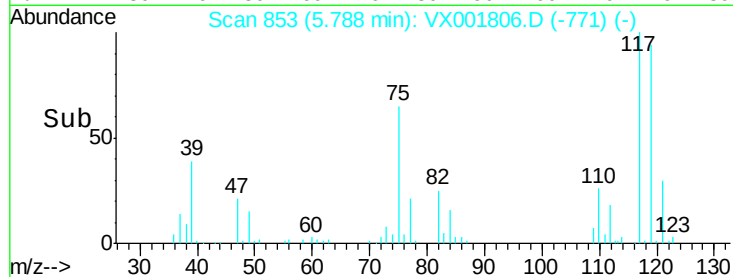
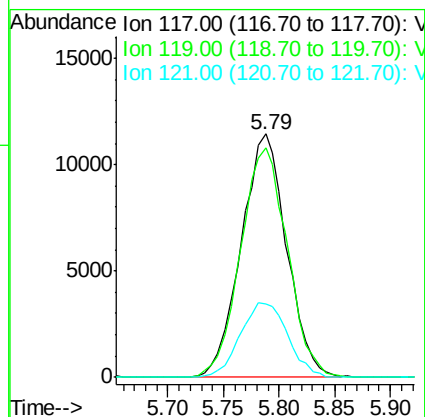
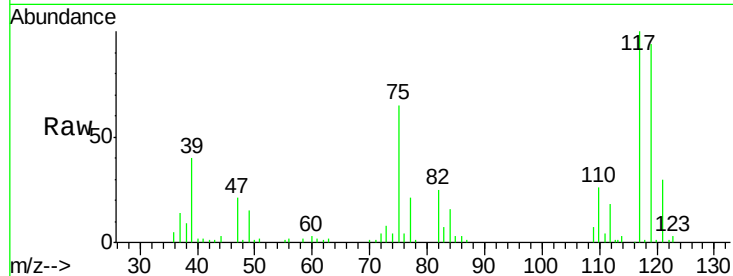
VSTDIC010

Tot Ion:117 Resp: 32442

Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.4	114.6
121	30.2	25.3	37.9

Manual Integrations
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#34

Benzene

Concen: 11.87 ug/l

RT: 6.15 min Scan# 912

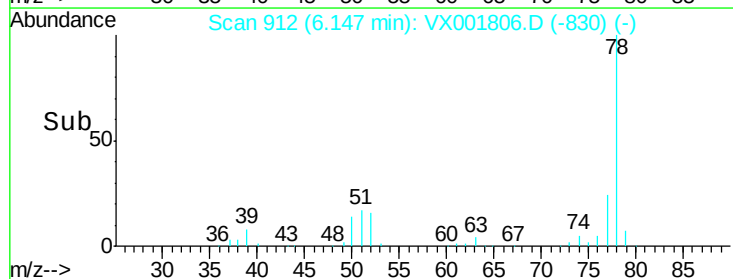
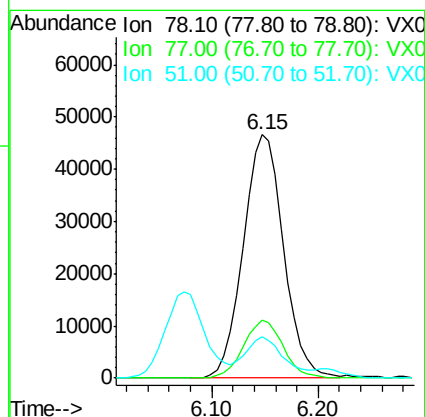
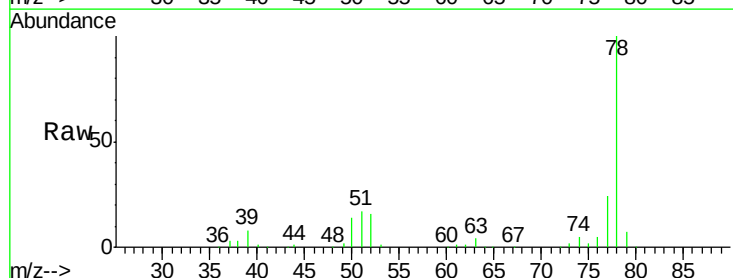
Delta R.T. 0.00 min

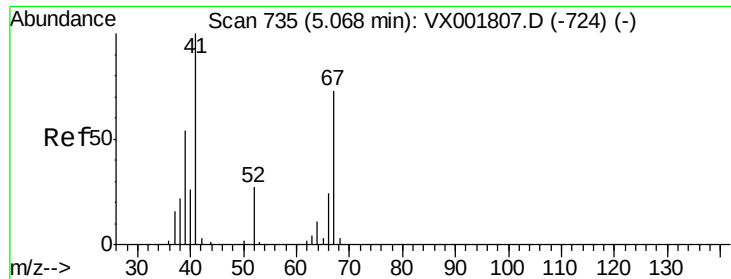
Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tgt Ion: 78 Resp: 123846

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0
51	14.5	13.2	19.8





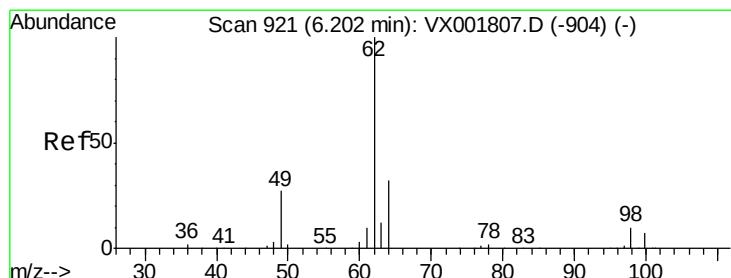
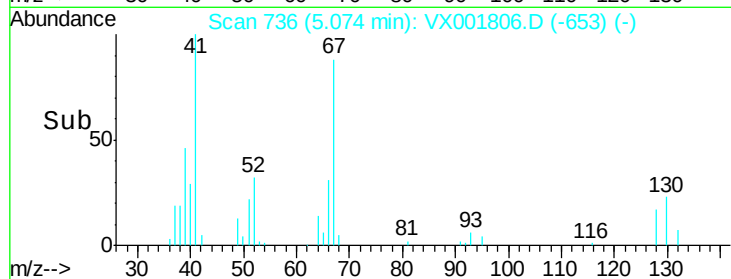
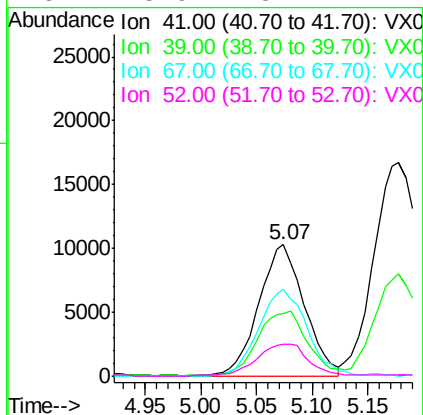
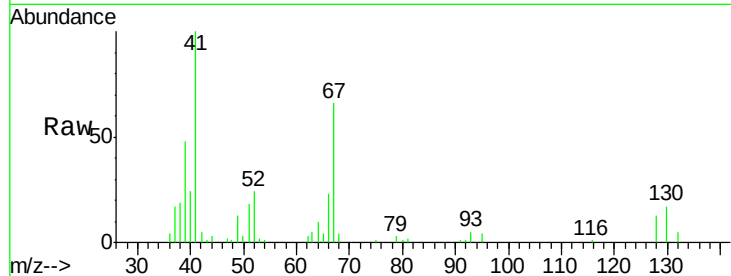
#35
Methacrylonitrile
Concen: 12.40 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		29501		
39	47.1	26.9	80.6		
67	65.9	36.8	110.3		
52	23.9	13.7	41.1		

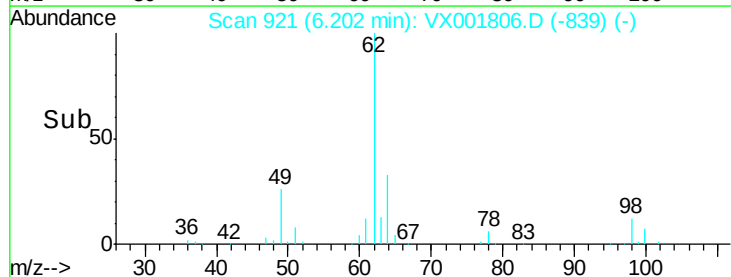
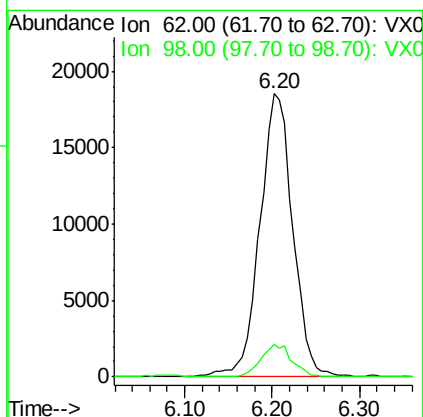
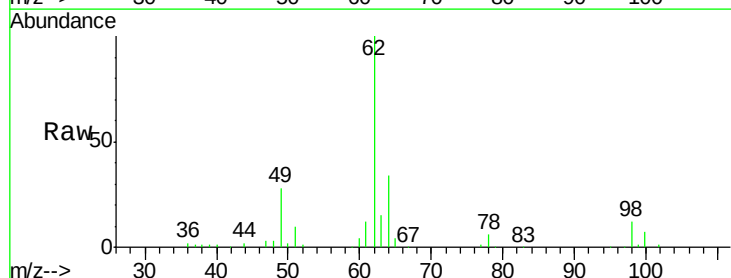
Manual Integrations
APPROVED

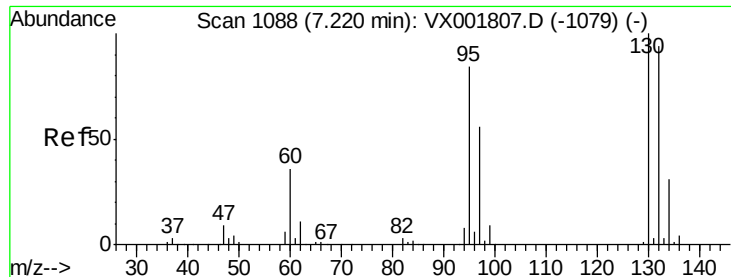
MMDadoda
5/21/2018 2:40:32 PM



#36
1,2-Dichloroethane
Concen: 11.80 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		48659		
98	10.8	8.6	12.8		





#37

Trichloroethene

Concen: 11.26 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:130 Resp: 33909

Ion Ratio Lower Upper

130 100

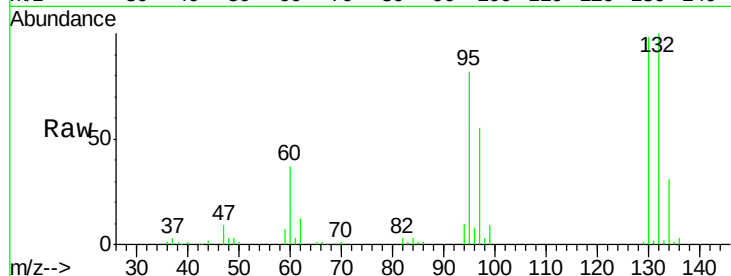
95 84.3 67.1 100.7

Manual Integrations

APPROVED

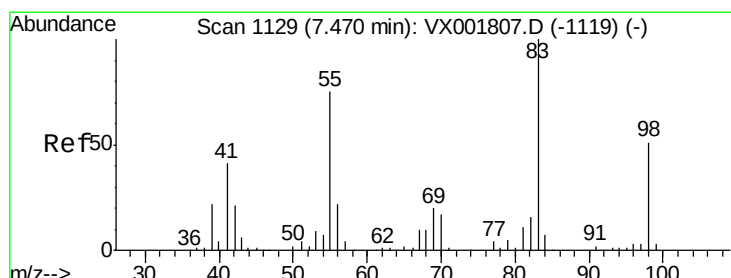
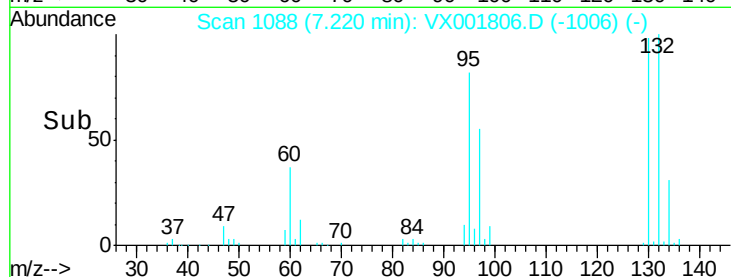
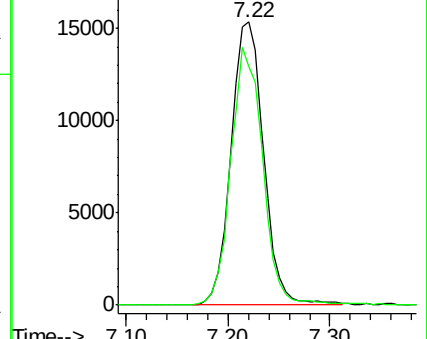
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 8.43 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

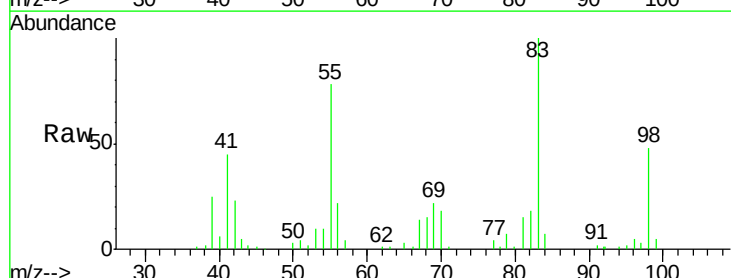
Tgt Ion: 83 Resp: 27383

Ion Ratio Lower Upper

83 100

55 80.2 40.0 119.9

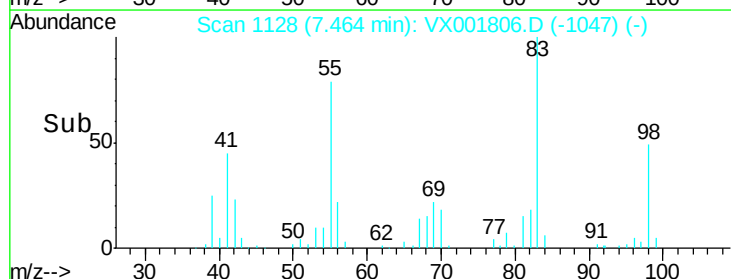
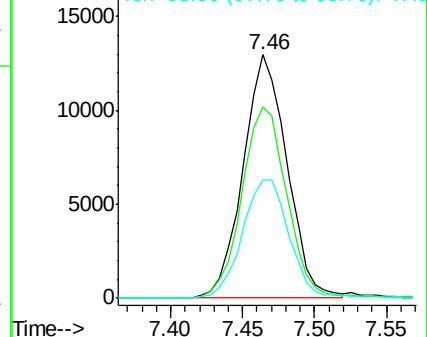
98 51.3 25.8 77.4

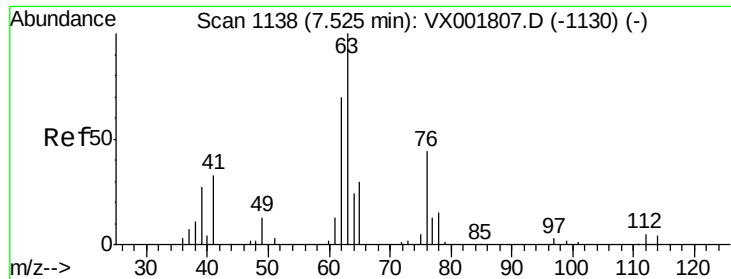


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





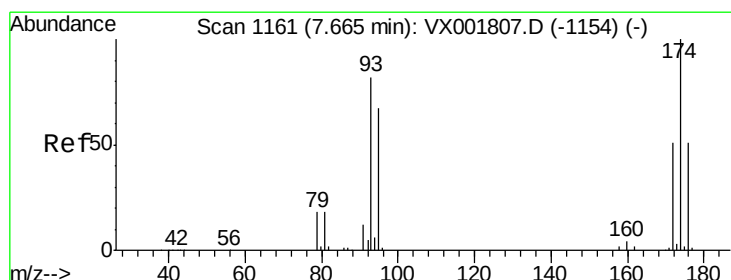
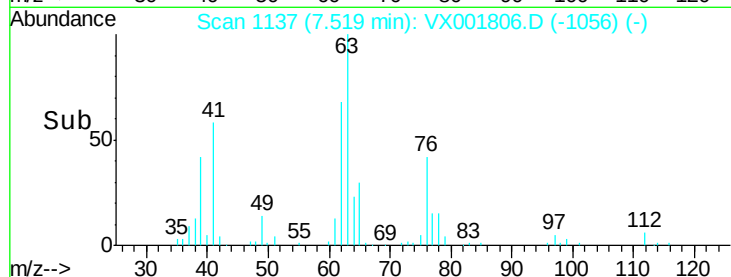
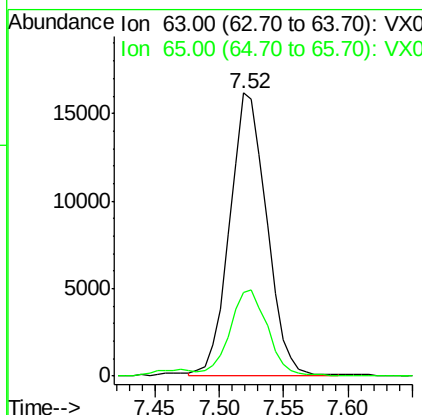
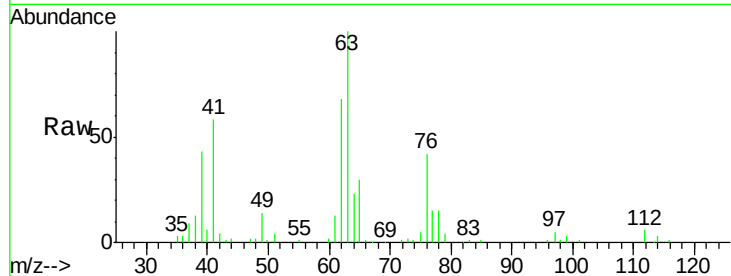
#39
 1,2-Dichloropropane
 Concen: 12.28 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC010

Tot Ion	63	Resp	32544
Ion Ratio	Lower	Upper	
63	100		
65	29.8	25.0	37.4

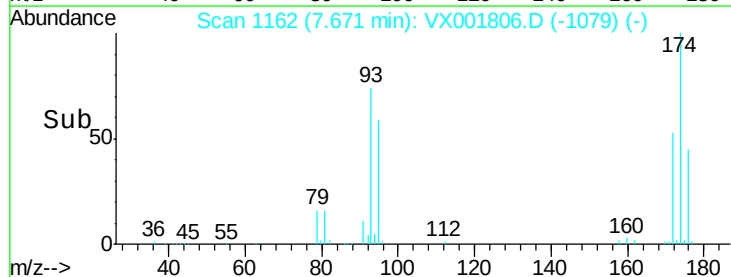
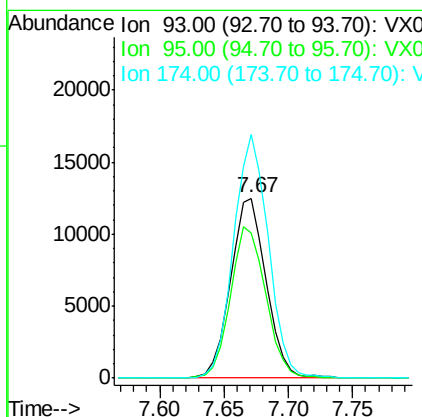
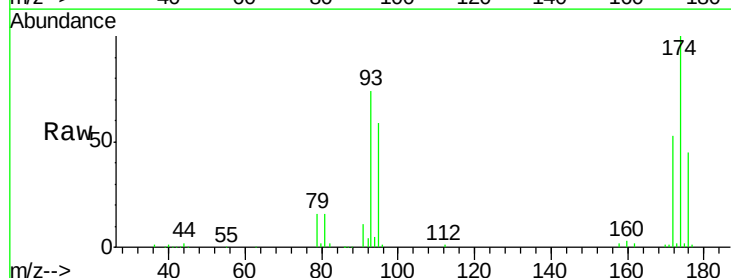
Manual Integrations
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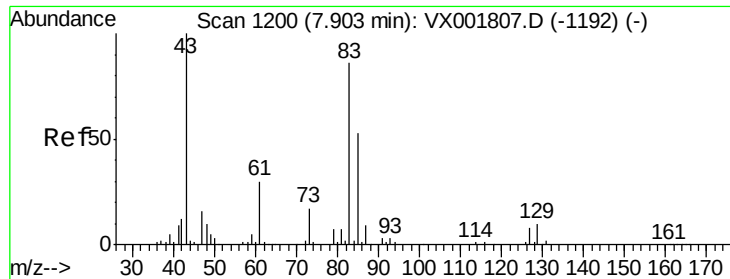
MMDadoda
 5/21/2018 2:40:32 PM



#40
 Dibromomethane
 Concen: 12.65 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	93	Resp	24037
Ion Ratio	Lower	Upper	
93	100		
95	83.3	0.0	167.4
174	131.7	0.0	269.6





#41

Bromodichloromethane

Concen: 11.39 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

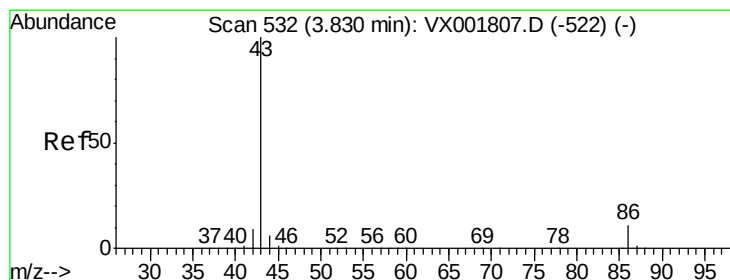
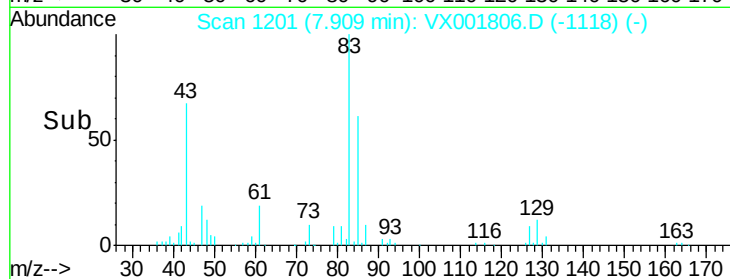
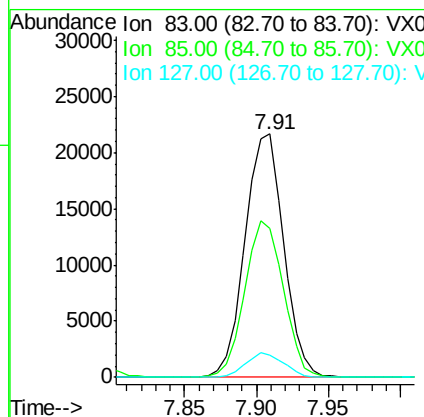
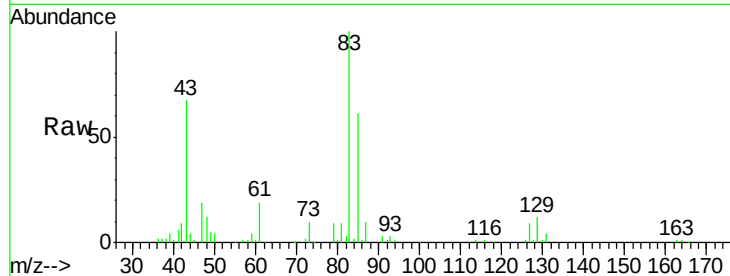
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	40288
Ion Ratio	Lower	Upper	
83	100		
85	61.0	49.6	74.4
127	8.9	7.0	10.6

Manual Integrations
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MMDadoda
5/21/2018 2:40:32 PM



#42

Vinyl Acetate

Concen: 51.03 ug/l

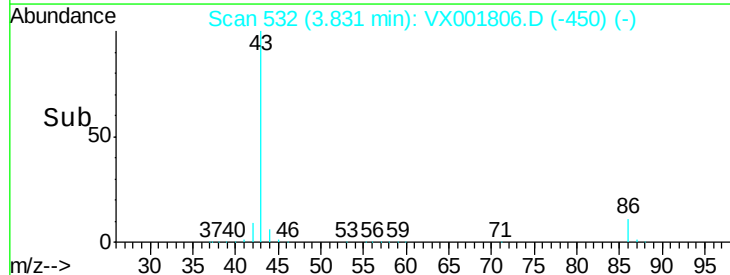
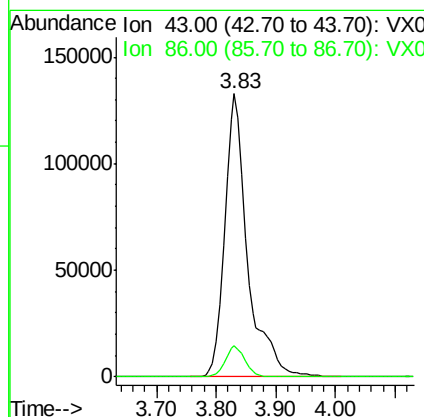
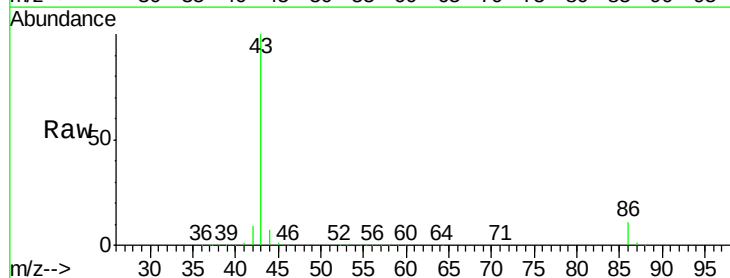
RT: 3.83 min Scan# 532

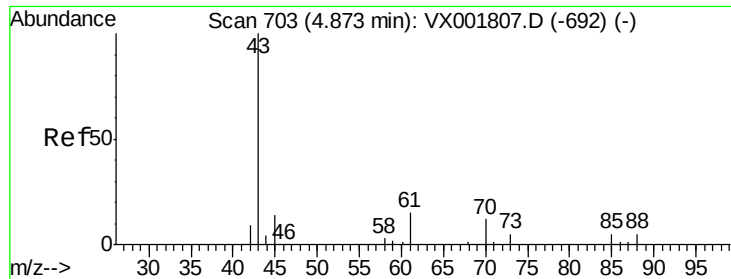
Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tgt Ion:	43	Resp:	352562
Ion Ratio	Lower	Upper	
43	100		
86	9.4	7.5	11.3





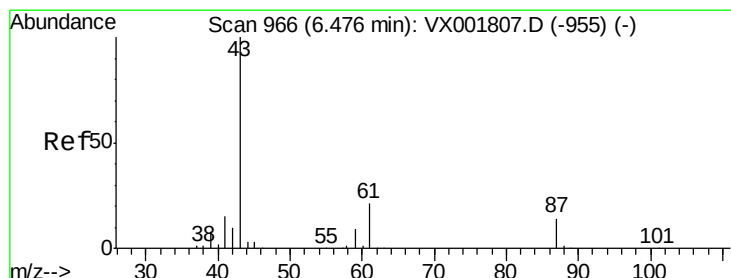
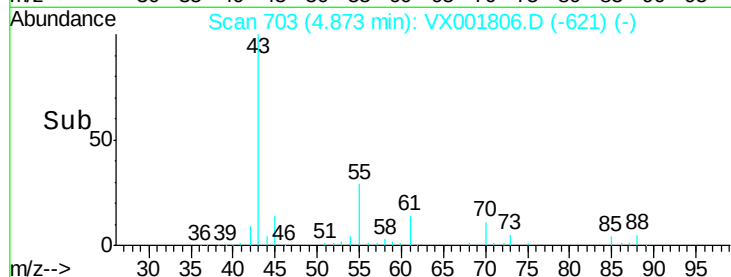
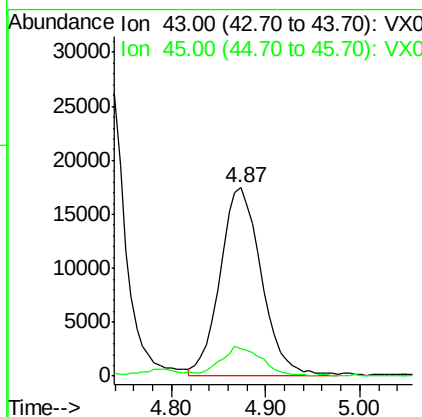
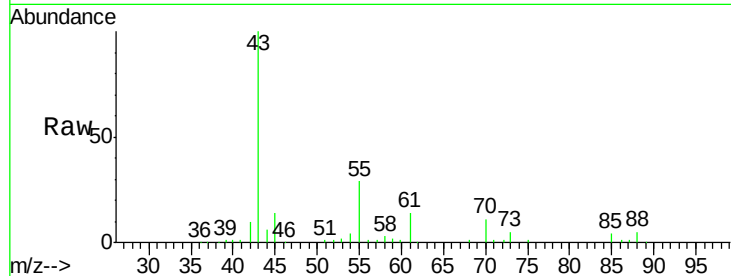
#43
Ethyl Acetate
Concen: 12.67 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 53196
Ion Ratio Lower Upper
43 100
45 15.6 11.8 17.6

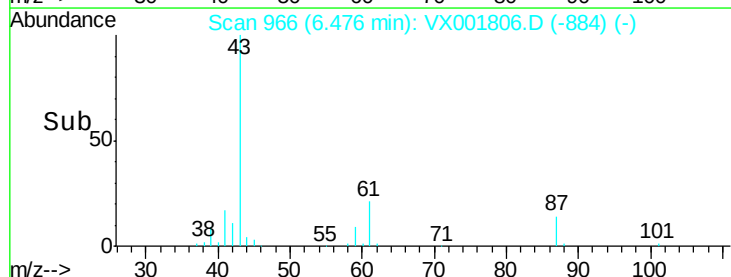
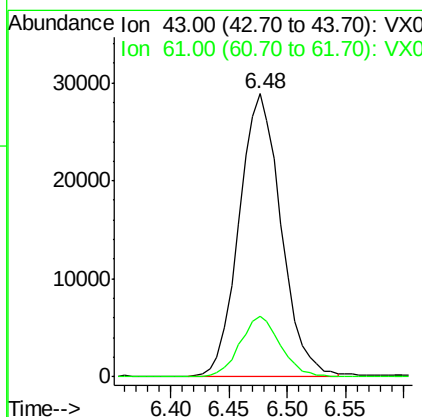
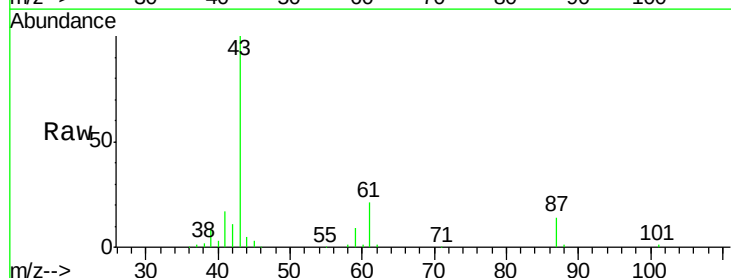
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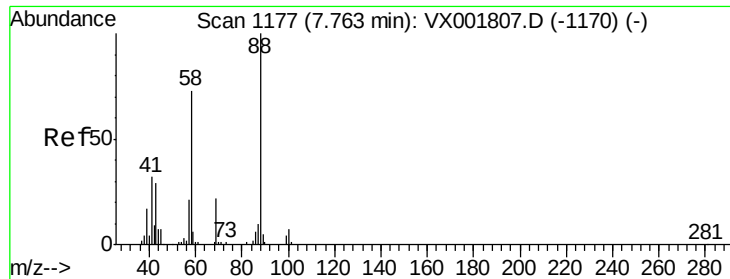
MMDadoda
5/21/2018 2:40:32 PM



#44
Isopropyl Acetate
Concen: 11.31 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion: 43 Resp: 72300
Ion Ratio Lower Upper
43 100
61 20.8 16.6 24.8





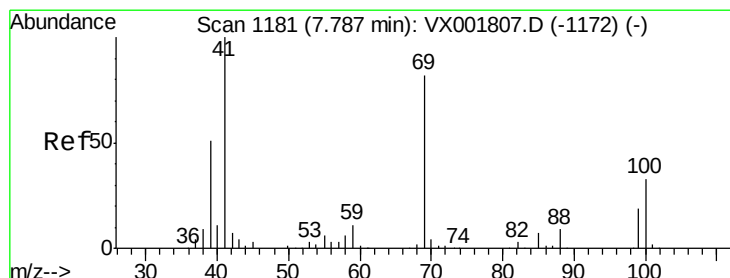
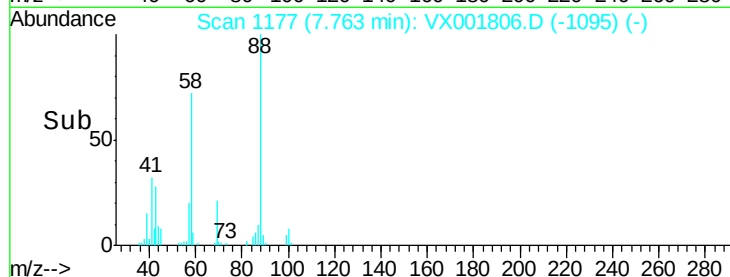
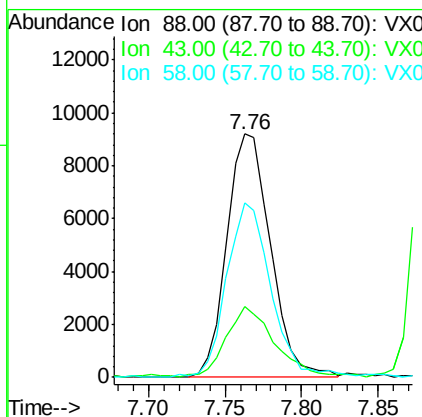
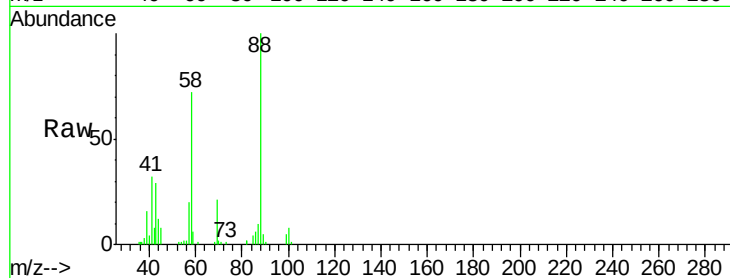
#45
 1,4-Dioxane
 Concen: 243.88 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.0	37.6
58	71.1	56.9	85.3

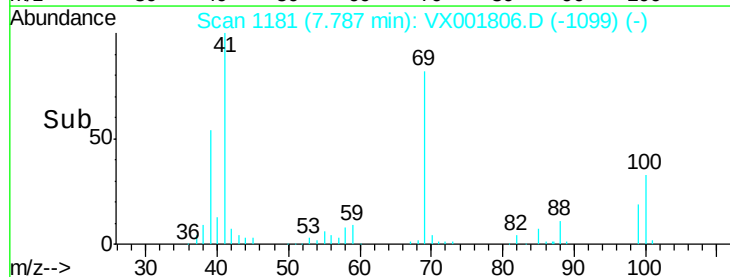
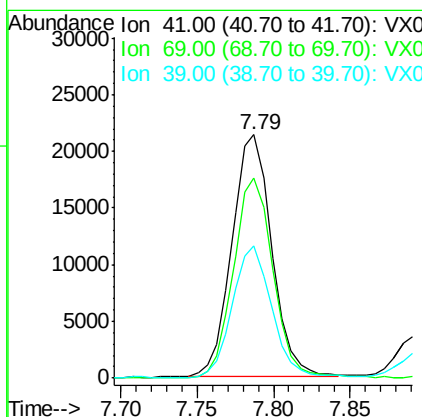
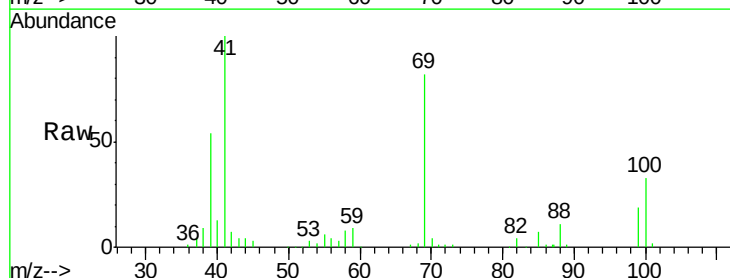
Manual Integrations
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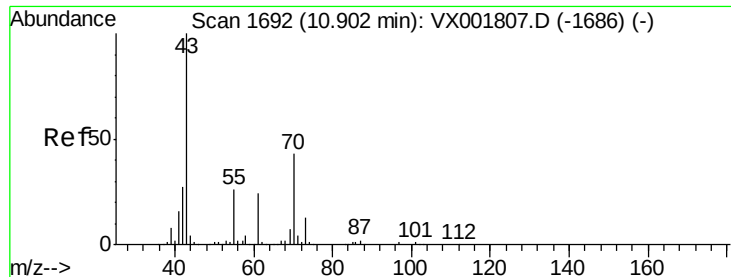
MMDadoda
 5/21/2018 2:40:32 PM



#46
 Methyl methacrylate
 Concen: 11.25 ug/l
 RT: 7.79 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.2	40.9	122.7
39	54.2	25.3	75.9





#47

n-amvl Acetate

Concen: 9.36 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 48981

Ion Ratio Lower Upper

43 100

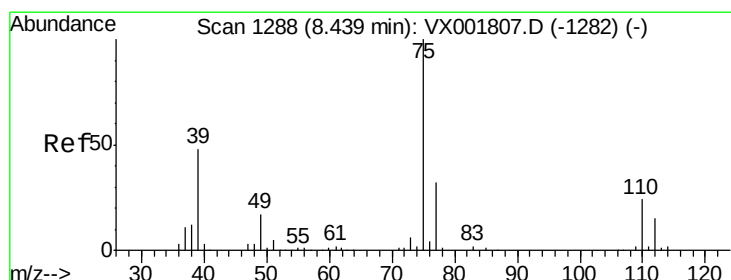
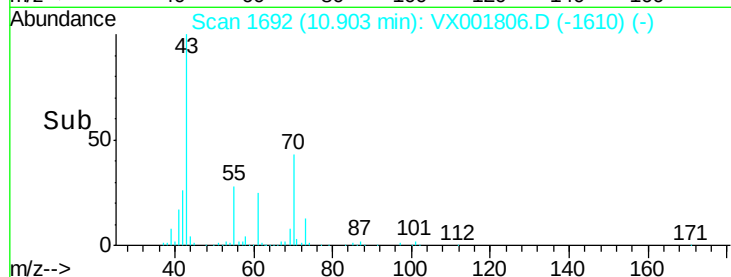
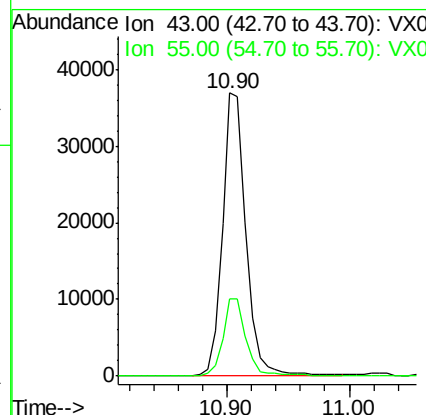
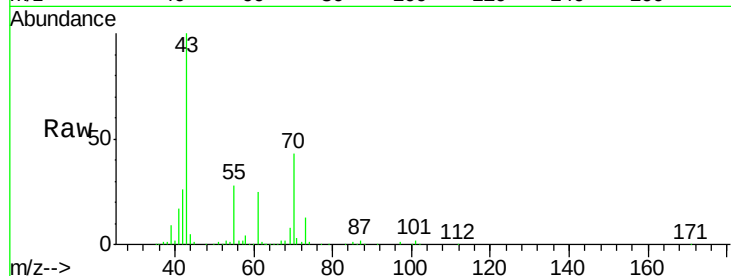
55 27.4 21.0 31.4

Manual Integrations

APPROVED

MMDadoda

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#48

t-1,3-Dichloropropene

Concen: 10.60 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX001806.D

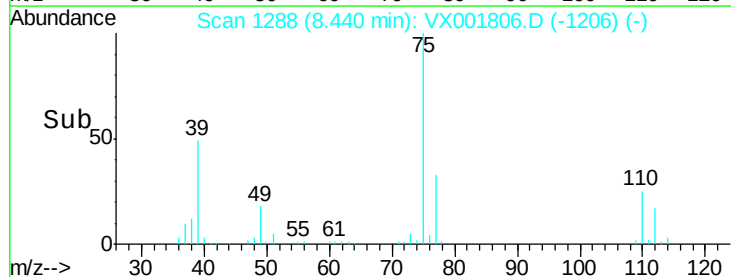
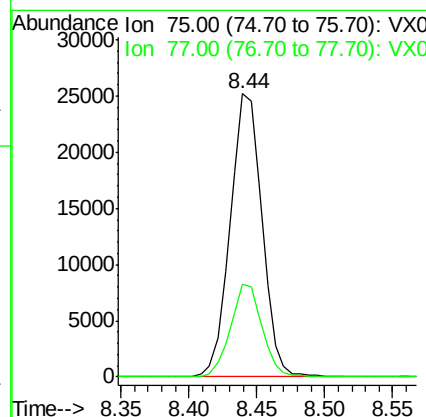
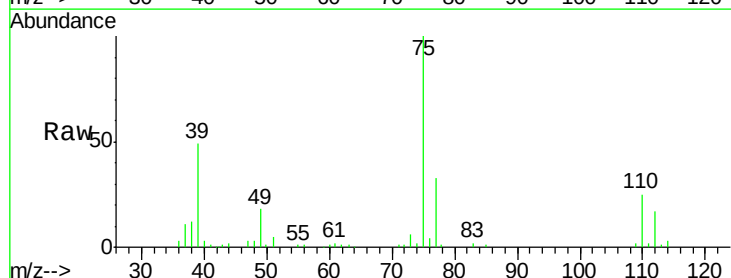
Acq: 18 May 2018 04:14

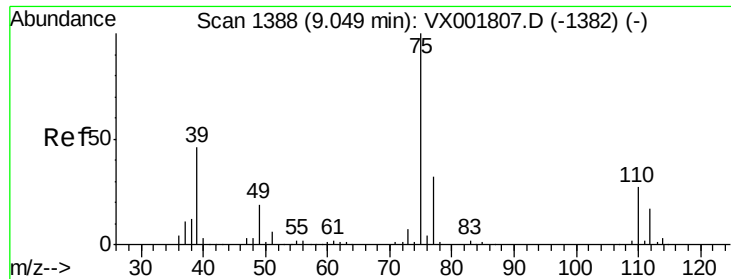
Tgt Ion: 75 Resp: 41053

Ion Ratio Lower Upper

75 100

77 32.6 25.6 38.4





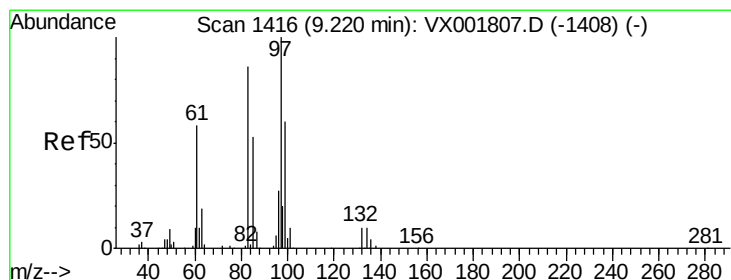
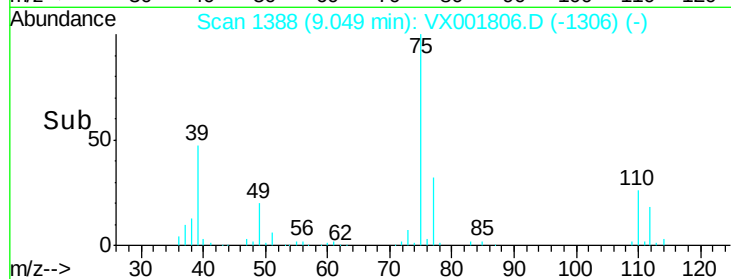
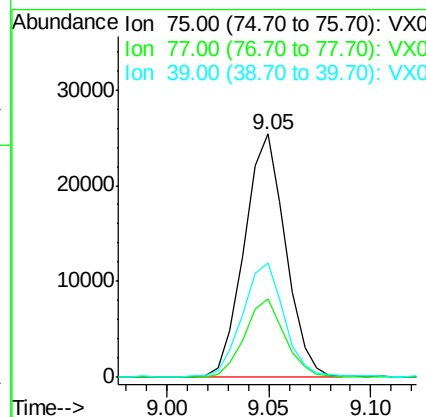
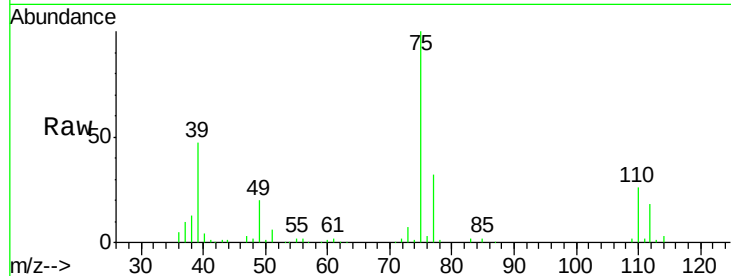
#49
 cis-1,3-Dichloropropene
 Concen: 10.45 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.5	38.3
39	46.4	37.0	55.4

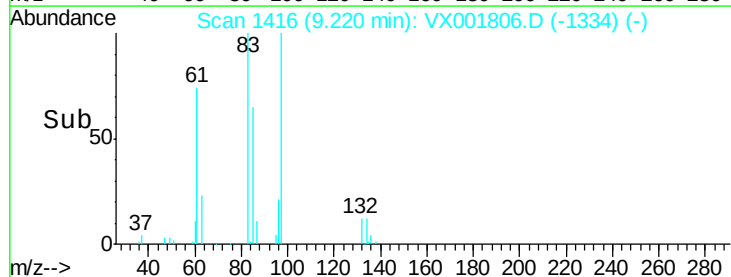
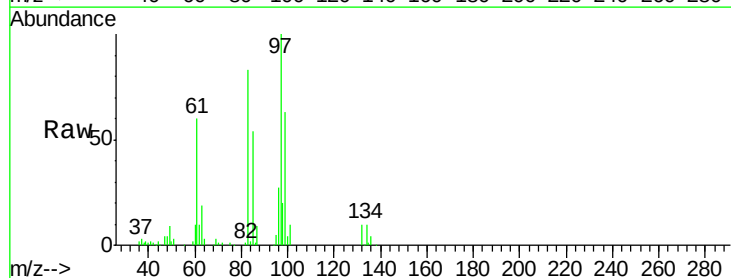
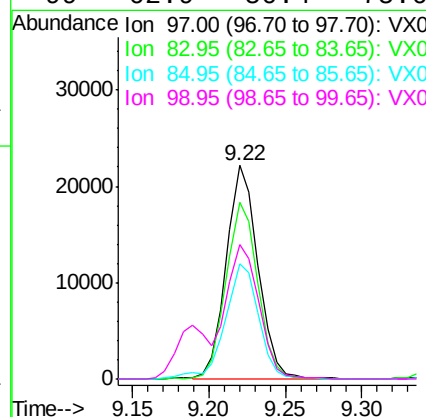
Manual Integrations
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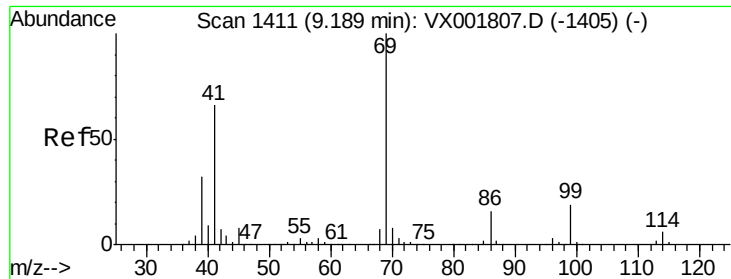
MMDadoda
 5/21/2018 2:40:32 PM



#50
 1,1,2-Trichloroethane
 Concen: 11.56 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.4	68.6	103.0
85	54.0	42.5	63.7
99	62.9	50.4	75.6





#51

Ethyl methacrylate

Concen: 10.32 ug/l

RT: 9.19 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

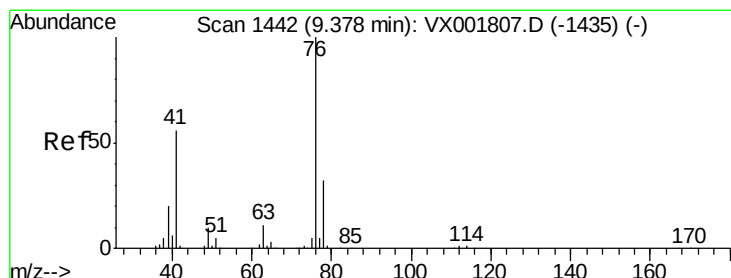
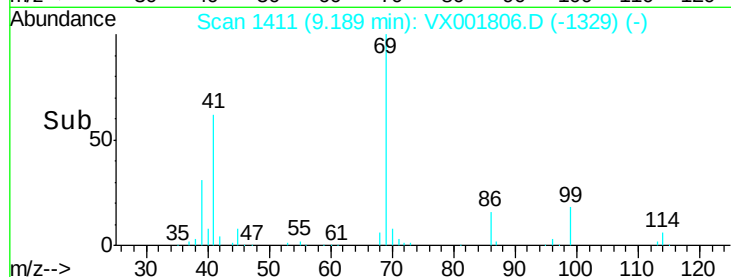
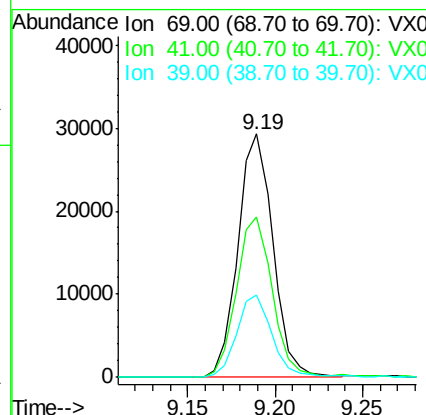
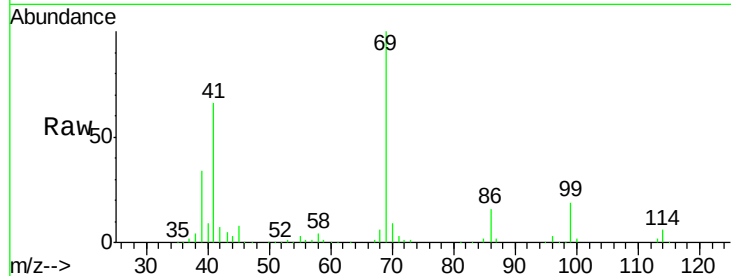
ClientSampleId :

VSTDIC010

Tot Ion:	69	Resp:	40934
Ion	Ratio	Lower	Upper
69	100		
41	65.4	32.9	98.7
39	33.7	16.1	48.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 11.49 ug/l

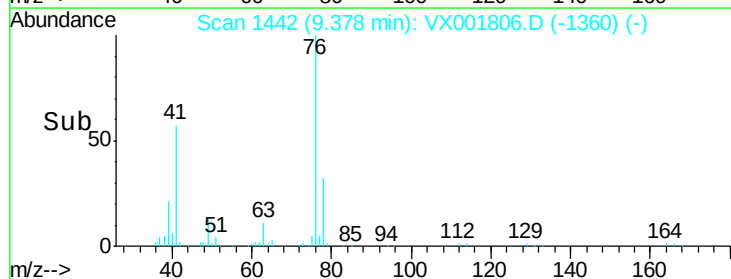
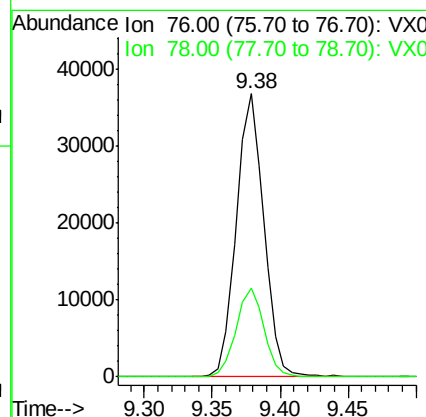
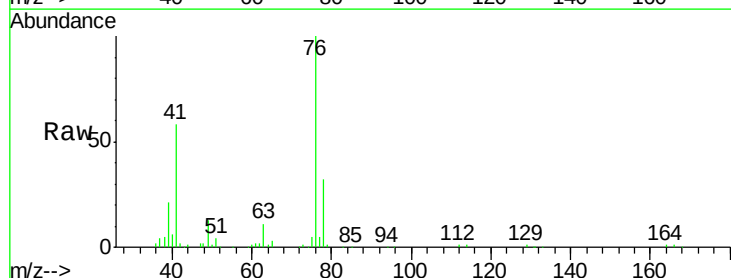
RT: 9.38 min Scan# 1442

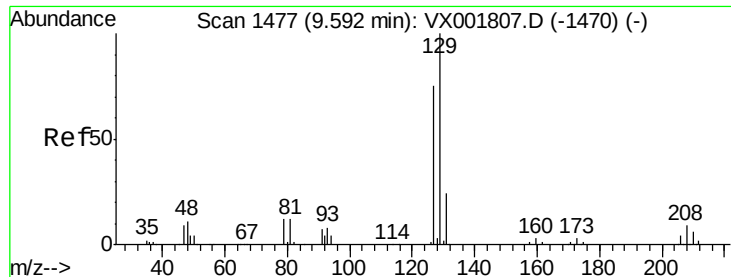
Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tgt Ion:	76	Resp:	51988
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.6





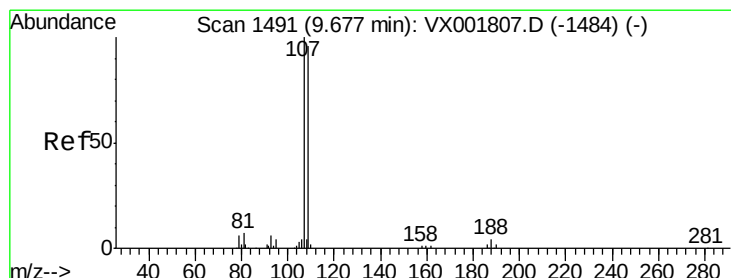
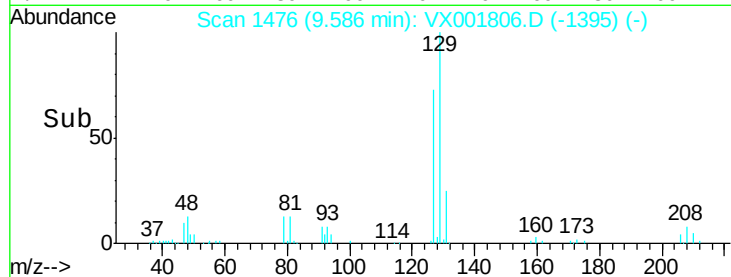
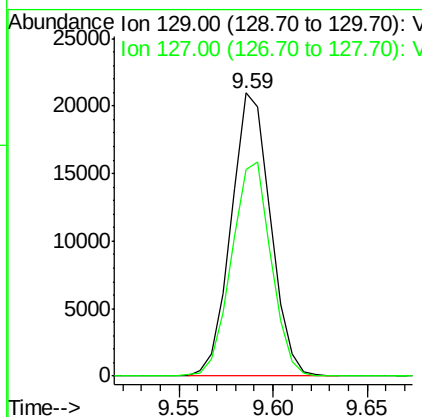
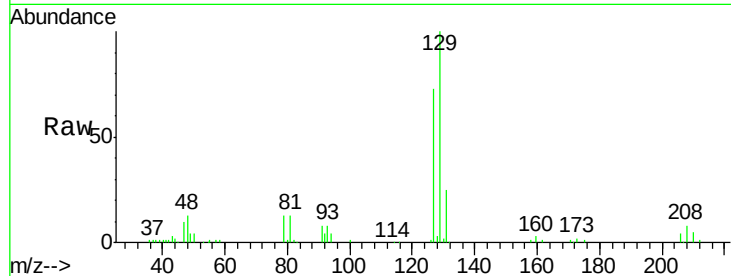
#53
 Dibromochloromethane
 Concen: 10.66 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion:129 Resp: 30351
 Ion Ratio Lower Upper
 129 100
 127 75.7 38.7 116.1

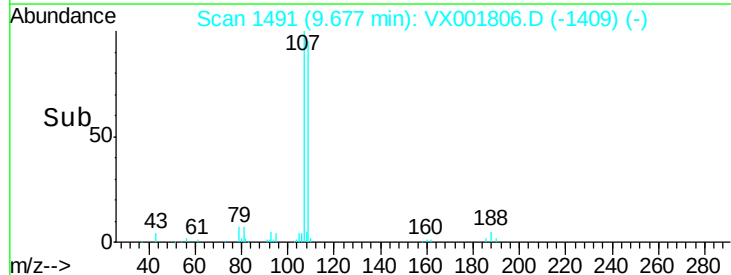
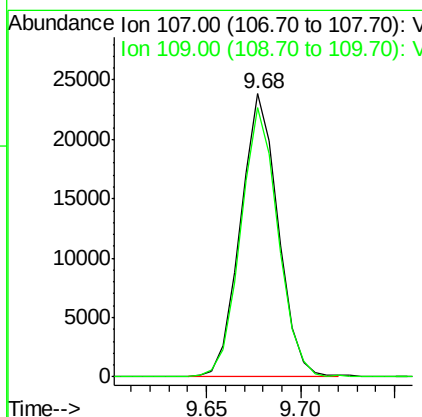
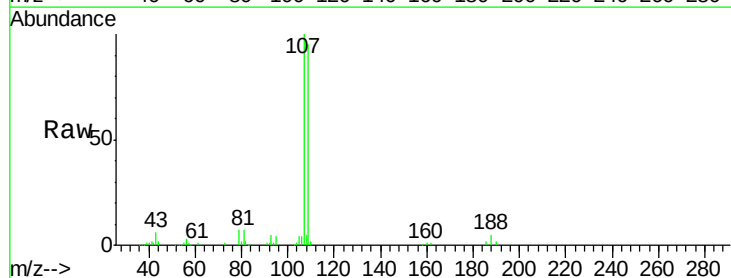
Manual Integrations
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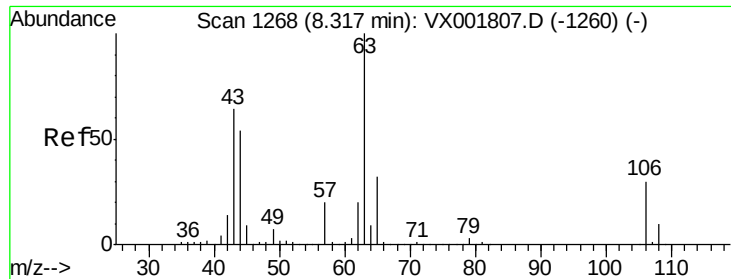
MMDadoda
 5/21/2018 2:40:32 PM



#54
 1,2-Dibromoethane
 Concen: 11.41 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion:107 Resp: 32939
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.3 114.5





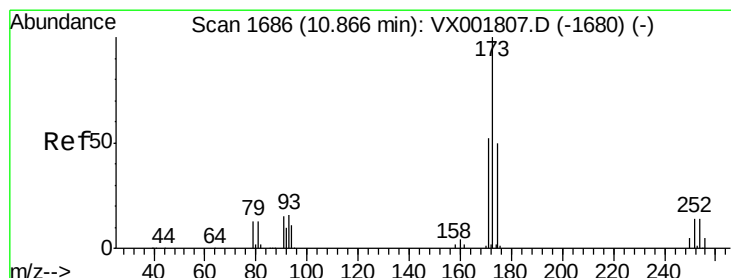
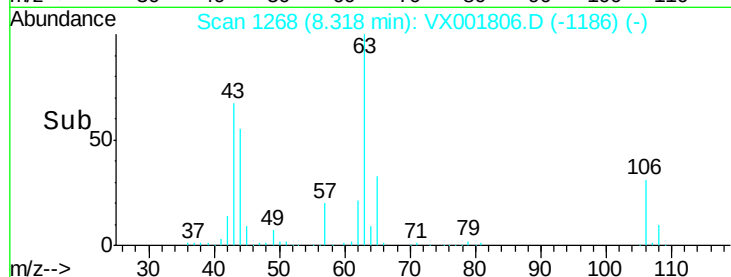
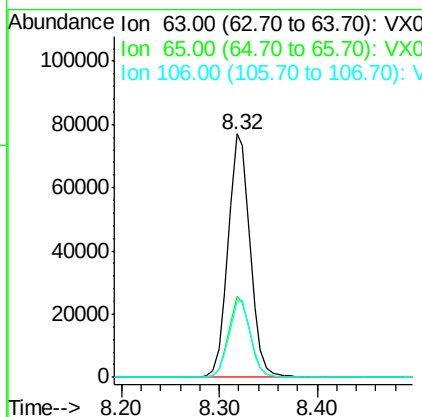
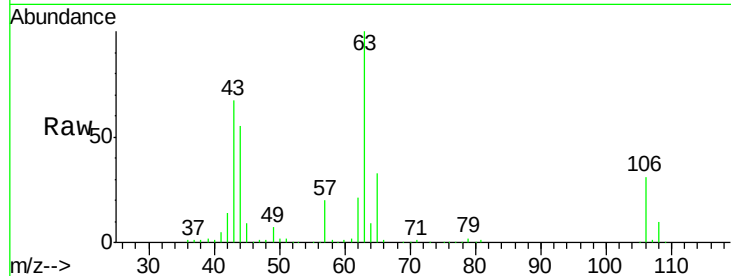
#55
2-Chloroethyl vinyl ether
Concen: 55.76 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2
106	31.3	24.9	37.3

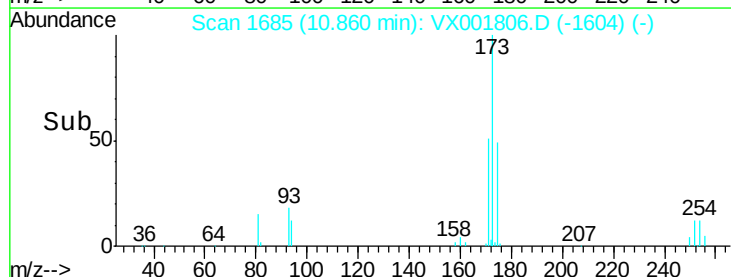
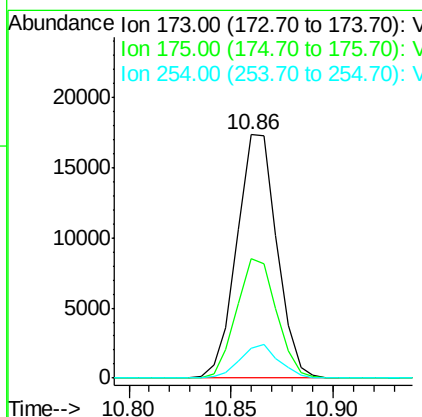
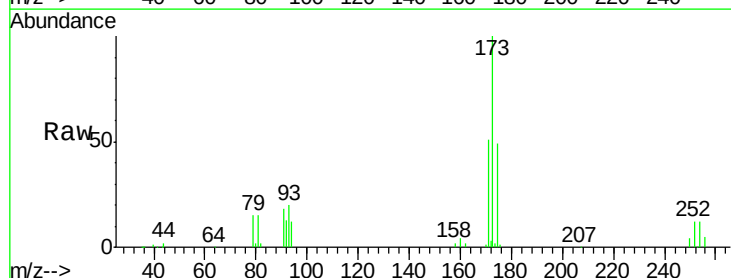
Manual Integrations
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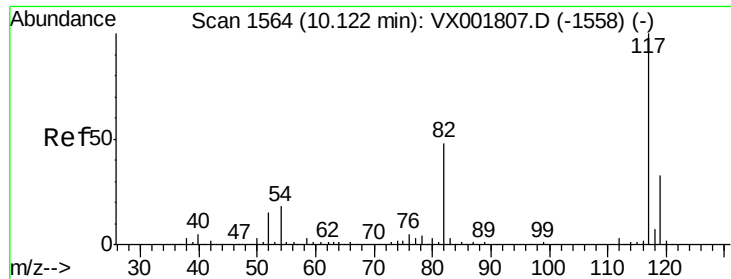
MMDadoda
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#56
Bromoform
Concen: 10.12 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.8	58.2
254	13.0	10.7	16.1





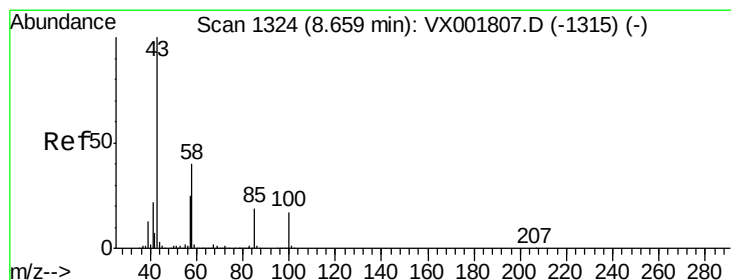
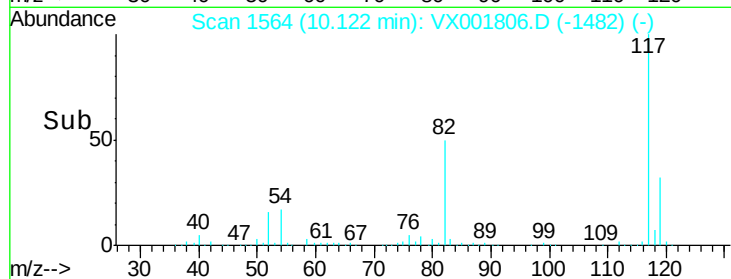
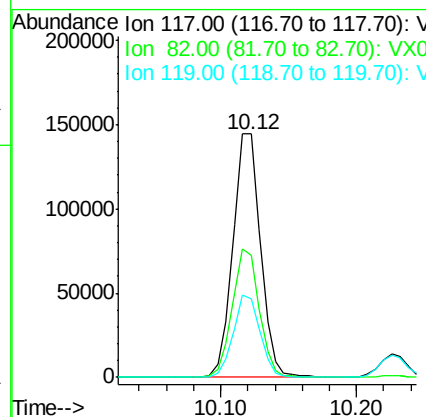
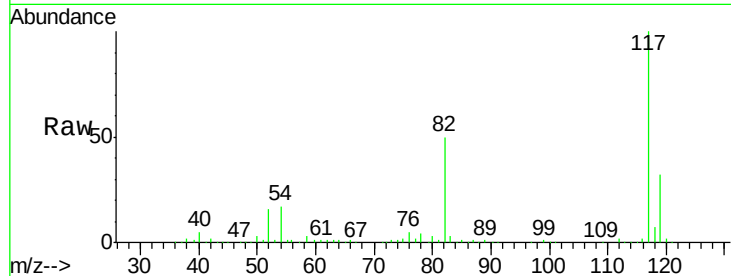
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	204118		
82	51.7	40.1	60.1	
119	32.8	26.0	39.0	

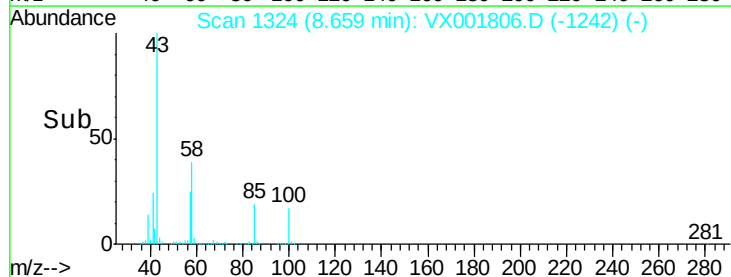
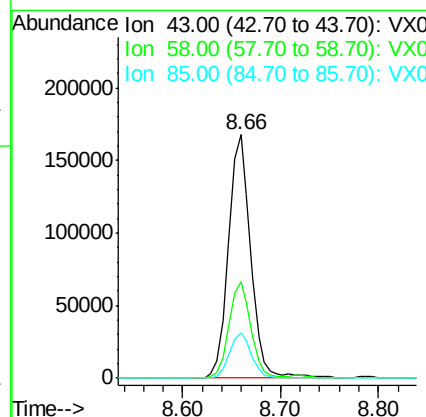
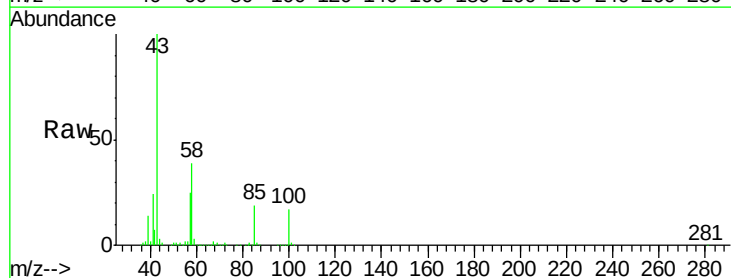
Manual Integrations
APPROVED

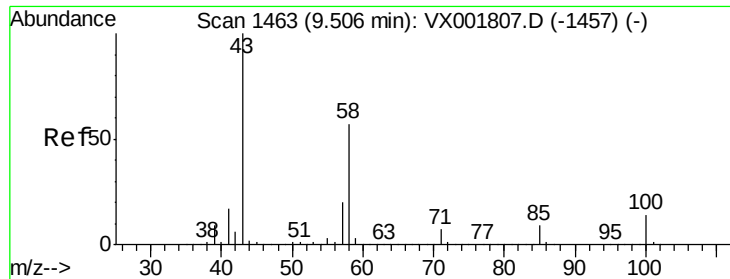
MMDadoda
5/21/2018 2:40:32 PM



#58
4-Methyl-2-Pentanone
Concen: 67.74 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	265206		
58	38.8	31.3	46.9	
85	18.2	14.5	21.7	





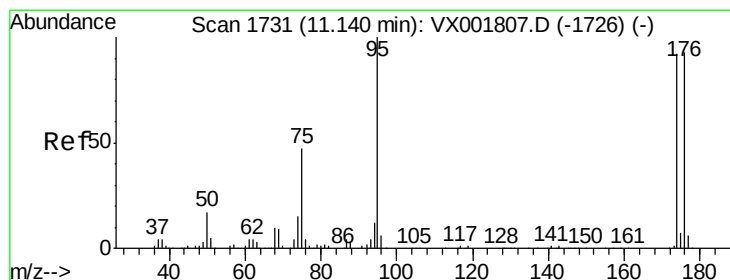
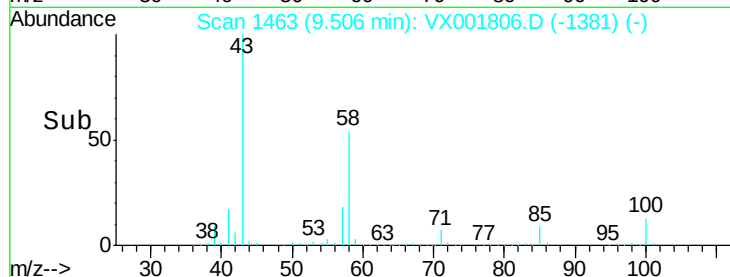
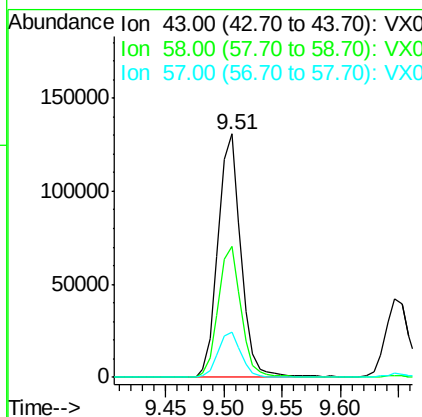
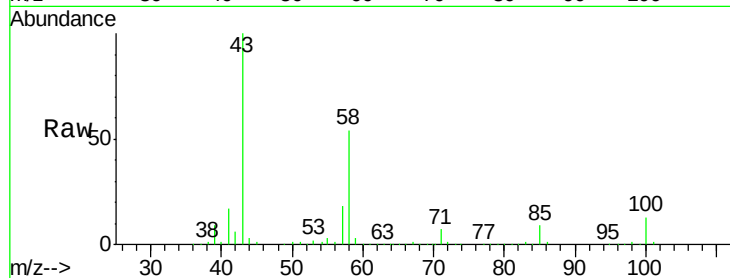
#59
2-Hexanone
Concen: 62.48 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.8	44.6	66.8
57	18.7	15.5	23.3

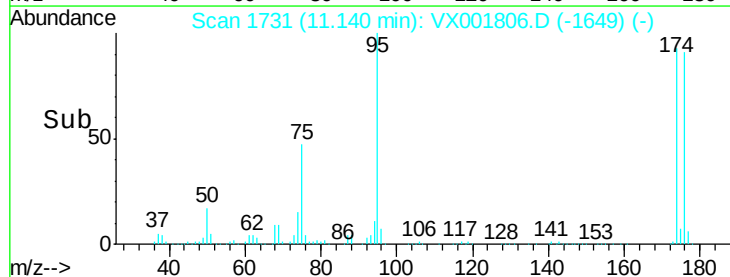
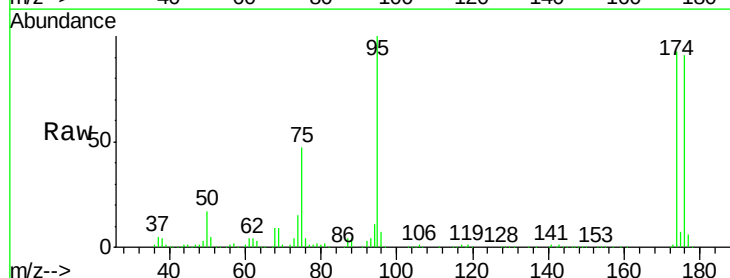
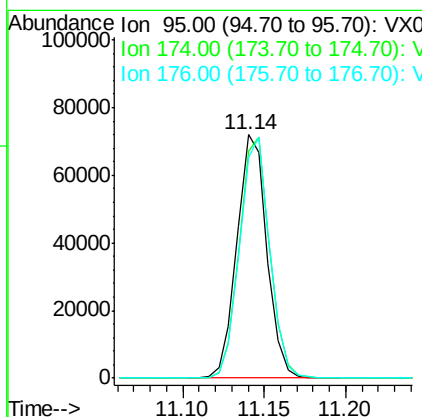
Manual Integrations
APPROVED

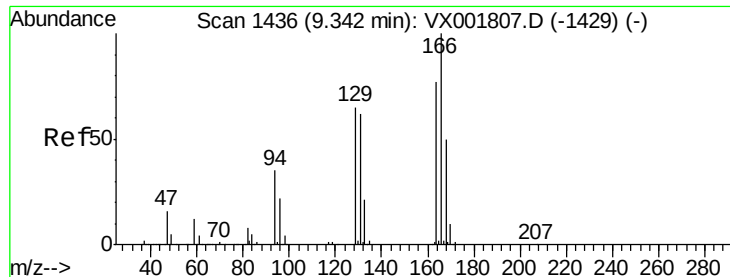
MMDadoda
5/21/2018 2:40:32 PM



#60
4-Bromofluorobenzene
Concen: 28.84 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.3	82.0	123.0
176	99.2	80.6	120.8





#61

Tetrachloroethene

Concen: 10.95 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion:164 Resp: 31844

Ion Ratio Lower Upper

164 100

166 136.8 104.1 156.1

129 86.2 67.8 101.8

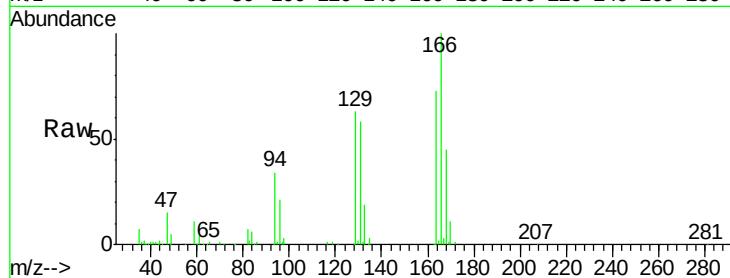
131 79.3 64.6 97.0

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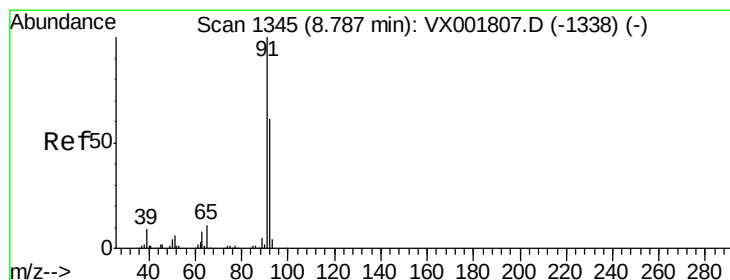
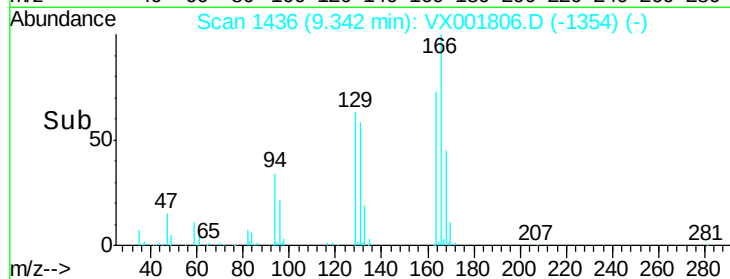
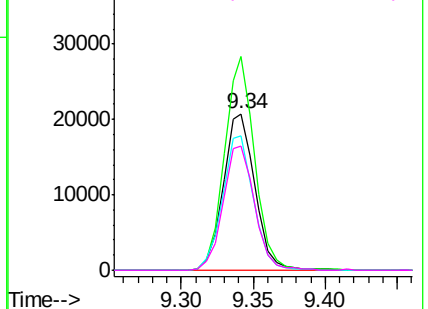


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 12.42 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX001806.D

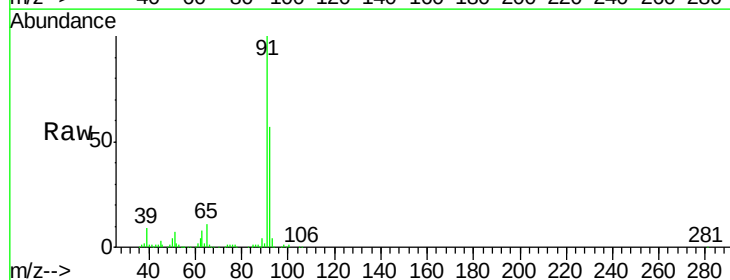
Acq: 18 May 2018 04:14

Tgt Ion: 91 Resp: 124072

Ion Ratio Lower Upper

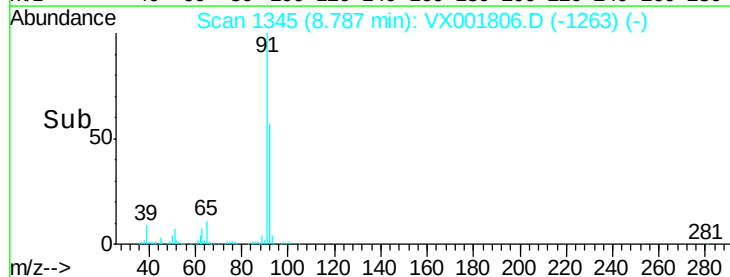
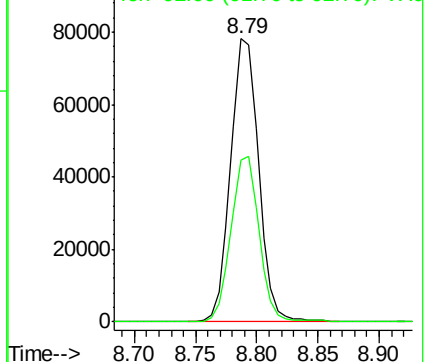
91 100

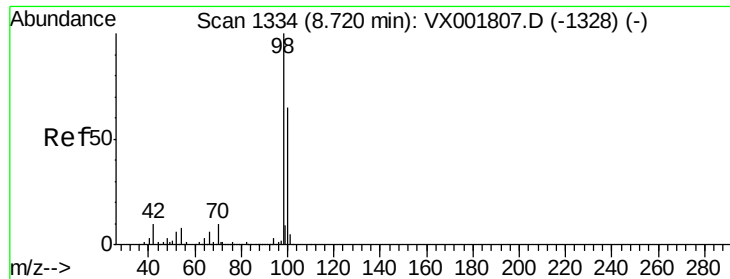
92 58.3 47.8 71.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





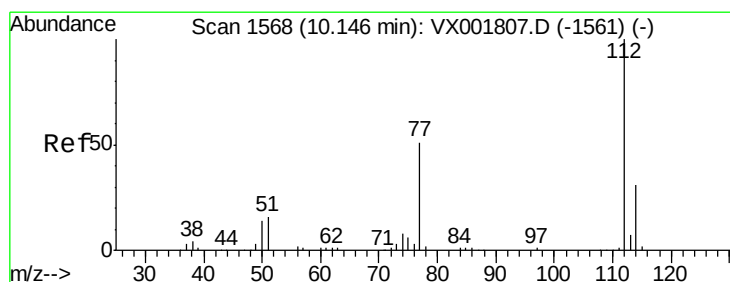
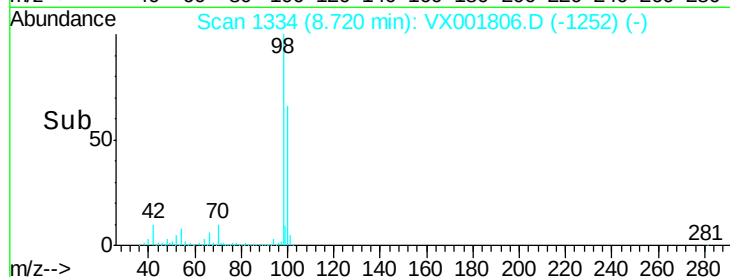
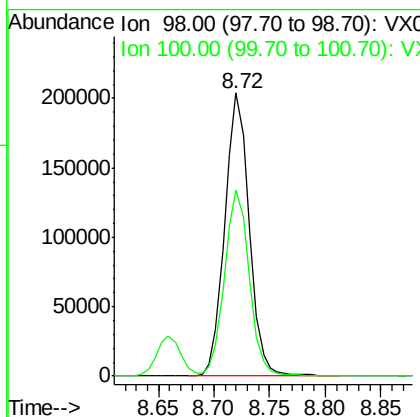
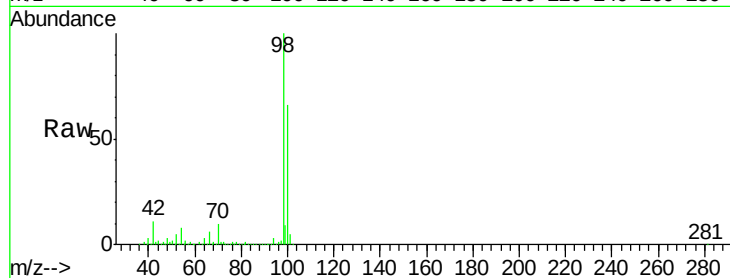
#63
Toluene-d8
Concen: 33.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion: 98 Resp: 309678
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

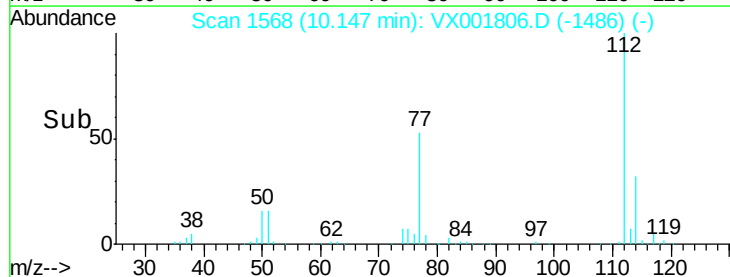
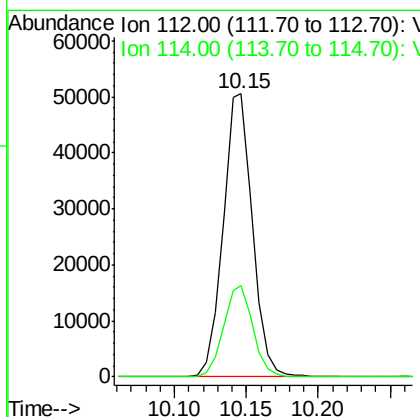
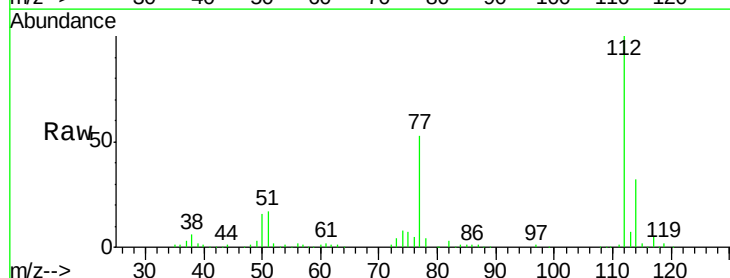
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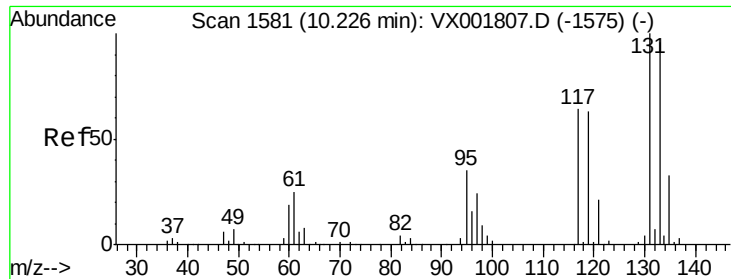
MMDadoda
5/21/2018 2:40:32 PM



#64
Chlorobenzene
Concen: 11.32 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion: 112 Resp: 72418
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 11.81 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

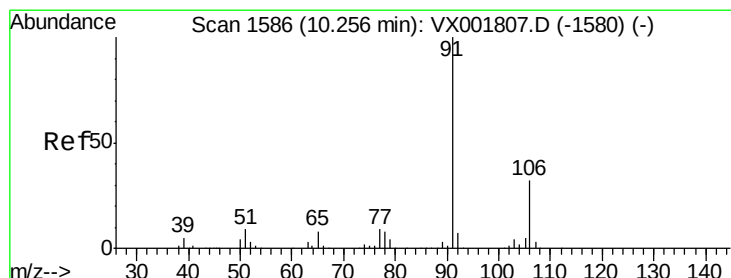
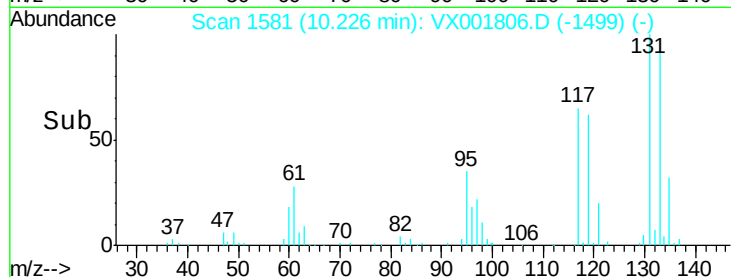
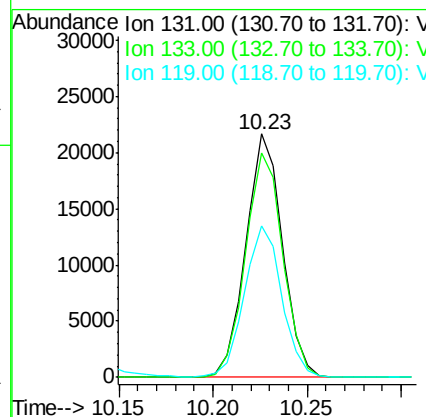
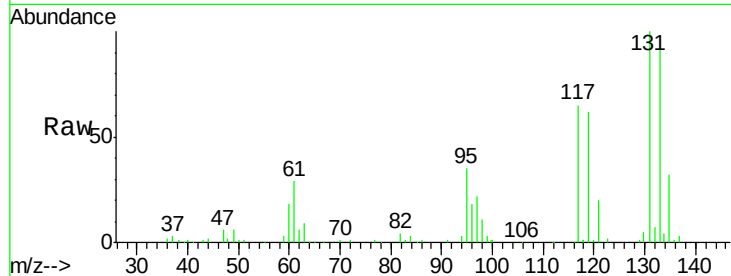
ClientSampled :

VSTDIC010

Tot Ion:	131	Resp:	29169
Ion Ratio	Lower	Upper	
131	100		
133	94.1	0.0	192.2
119	63.7	0.0	125.4

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#66

Ethyl Benzene

Concen: 10.08 ug/l

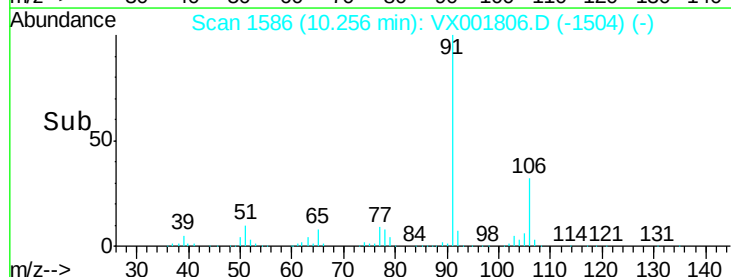
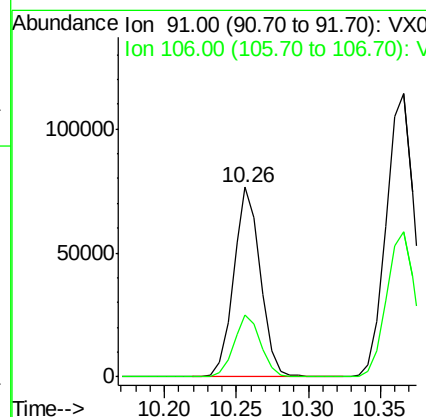
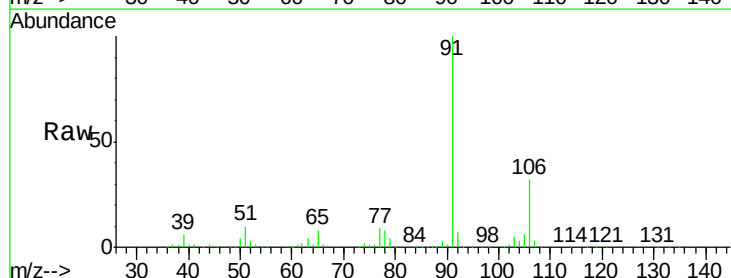
RT: 10.26 min Scan# 1586

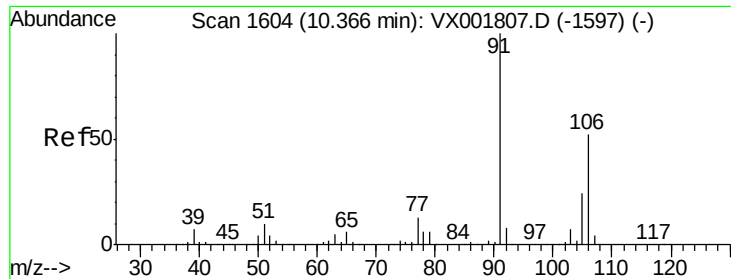
Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tgt Ion:	91	Resp:	100019
Ion Ratio	Lower	Upper	
91	100		
106	32.4	25.8	38.6





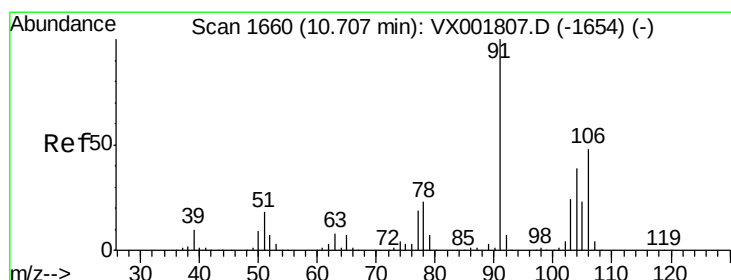
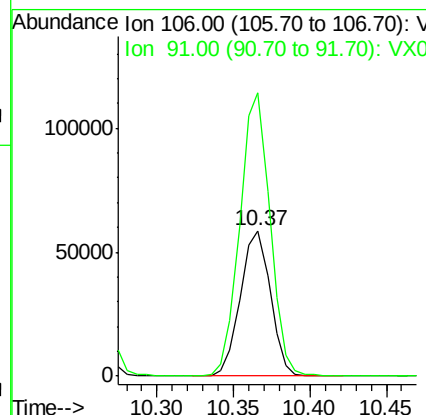
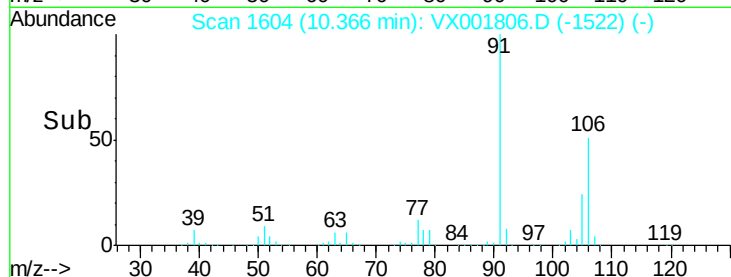
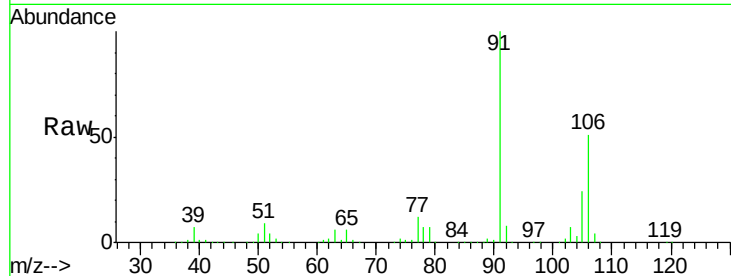
#67
m/p-Xylenes
Concen: 20.39 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion:106 Resp: 80653
Ion Ratio Lower Upper
106 100
91 194.6 154.7 232.1

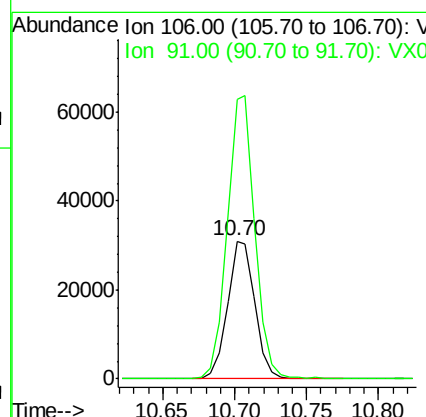
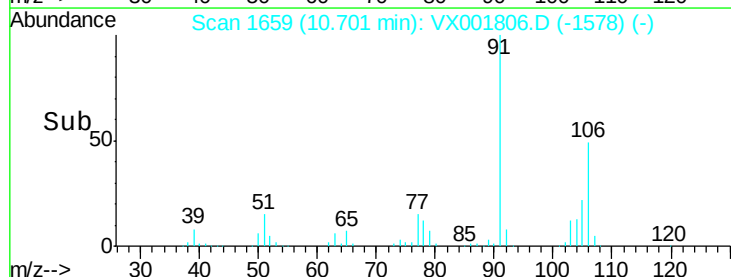
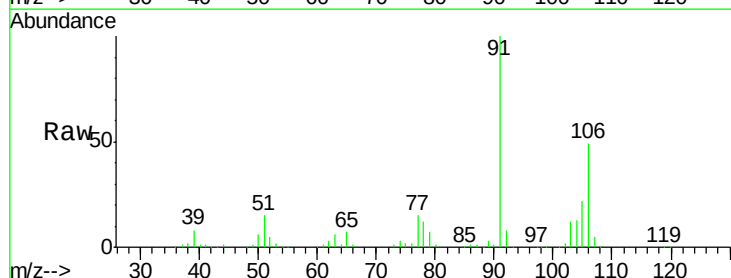
Manual Integrations
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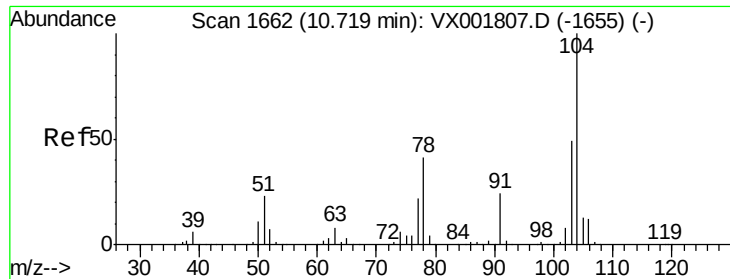
MMDadoda
5/21/2018 2:40:32 PM



#68
o-Xylene
Concen: 10.50 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion:106 Resp: 41485
Ion Ratio Lower Upper
106 100
91 204.5 104.3 312.8





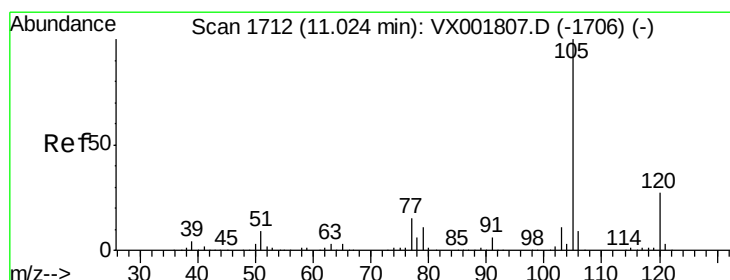
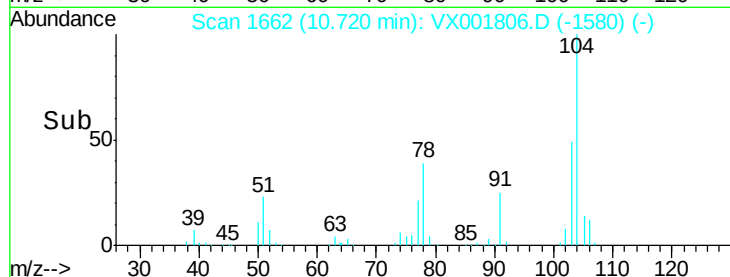
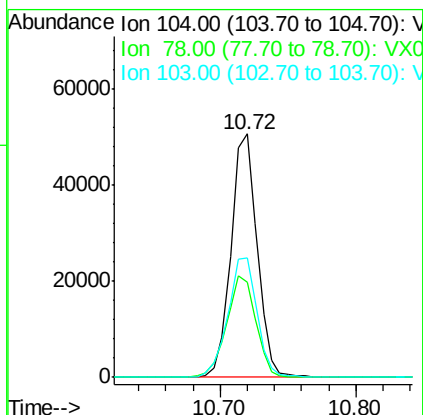
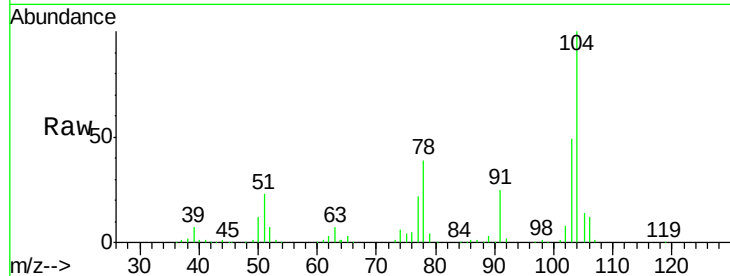
#69
Stvrene
Concen: 10.37 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.3	37.0	55.6
103	54.5	43.5	65.3

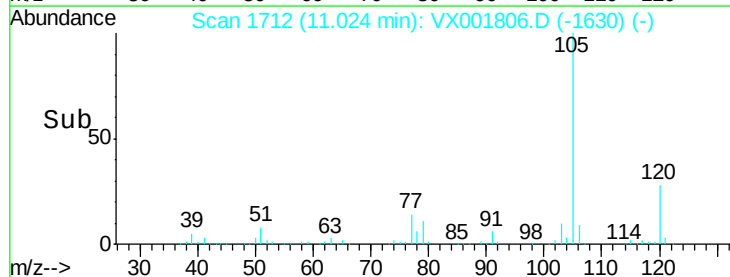
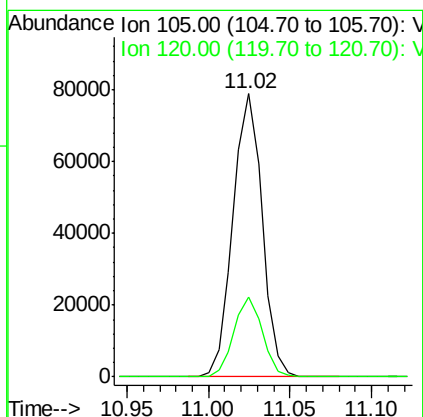
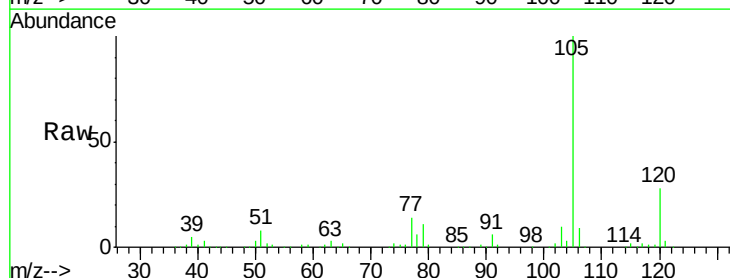
Manual Integrations
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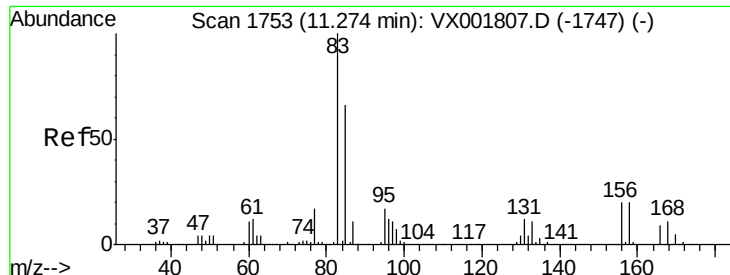
MMDadoda
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#70
Isopropylbenzene
Concen: 9.89 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	19.3	35.9





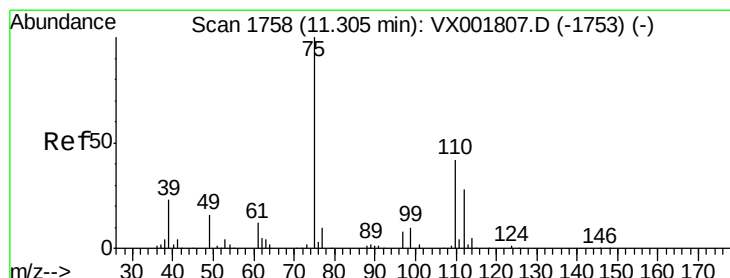
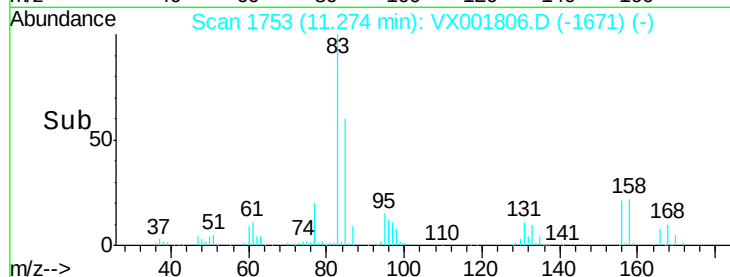
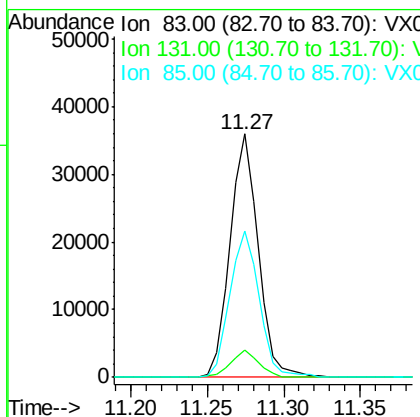
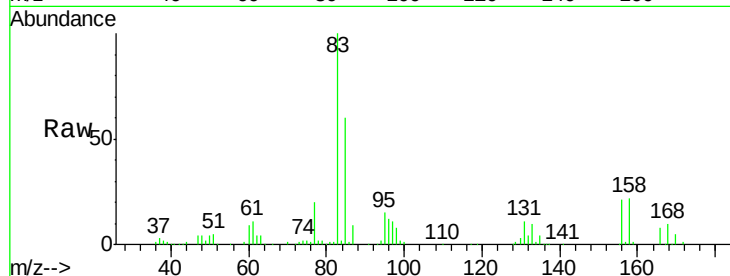
#71
 1,1,2,2-Tetrachloroethane
 Concen: 12.87 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	83	Resp	46019
Ion Ratio	100	Lower	Upper
83	100		
131	11.3	5.8	17.3
85	62.7	32.3	96.9

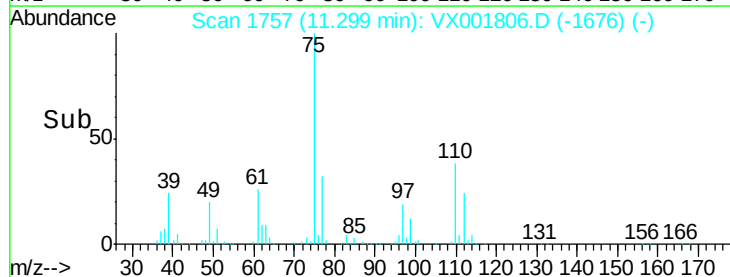
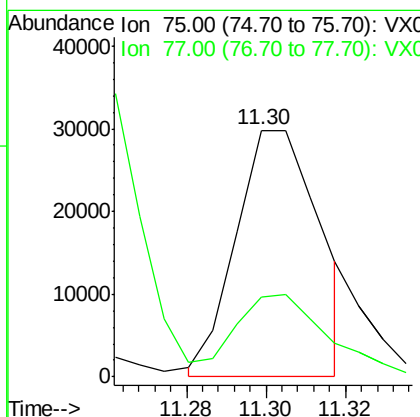
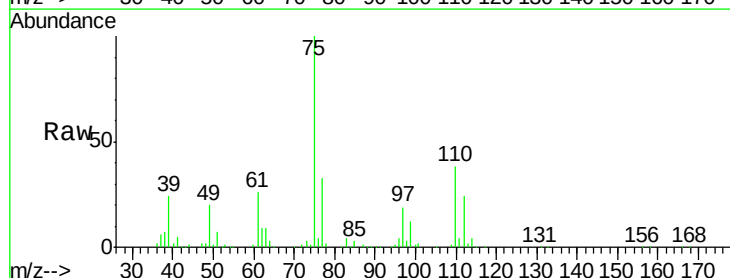
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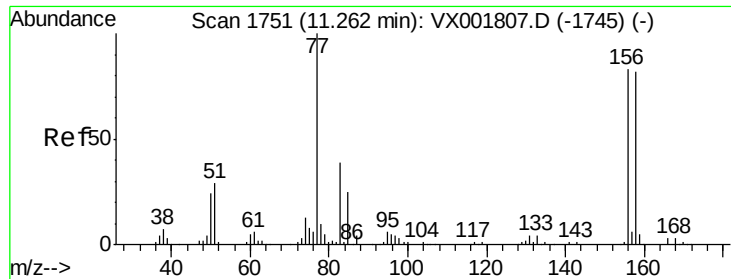
MMDadoda
 5/21/2018 2:40:32 PM



#72
 1,2,3-Trichloropropane
 Concen: 12.52 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	75	Resp	43341
Ion Ratio	100	Lower	Upper
75	100		
77	37.8	0.0	74.6





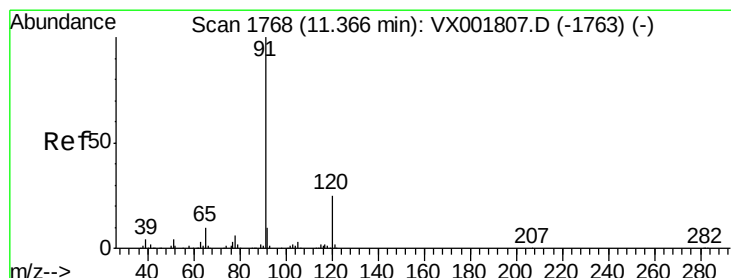
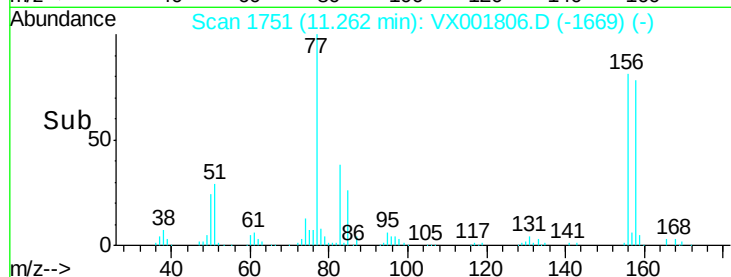
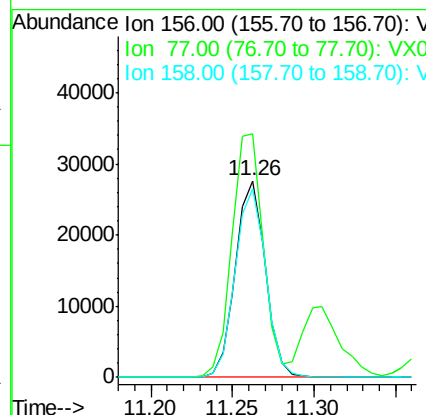
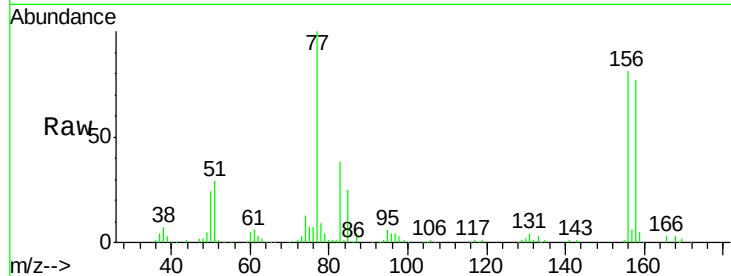
#73
Bromobenzene
Concen: 11.33 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
156	100			
77	128.9	0.0	261.8	
158	98.1	0.0	198.2	

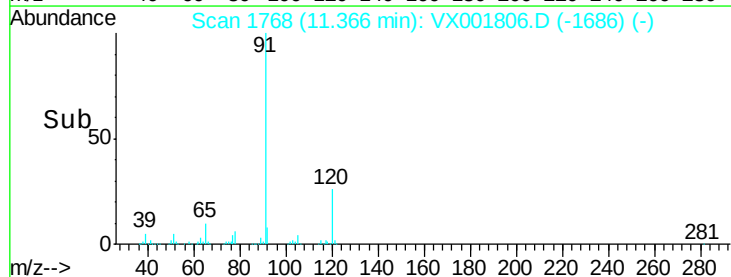
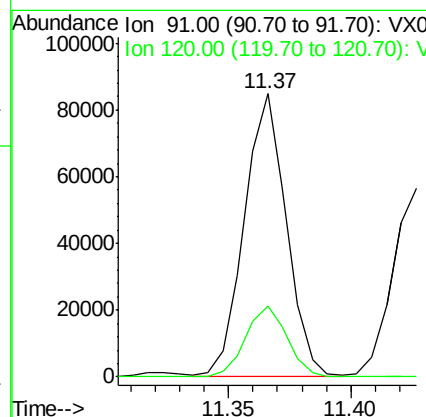
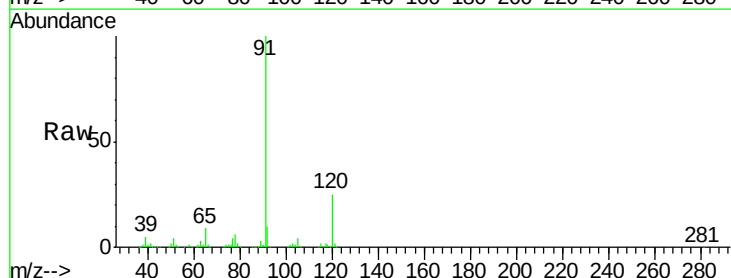
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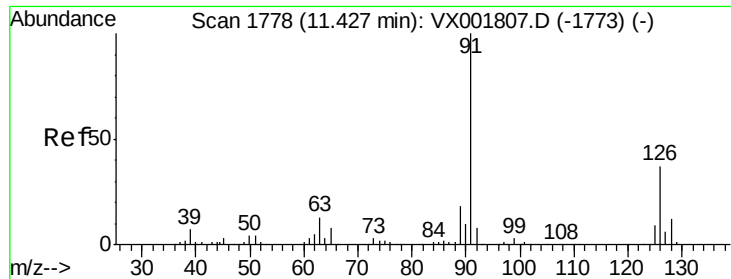
MMDadoda
5/21/2018 2:40:32 PM



#74
n-propylbenzene
Concen: 9.30 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
120	24.8	0.0	49.2	





#75

2-Chlorotoluene

Concen: 10.27 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 71222

Ion Ratio Lower Upper

91 100

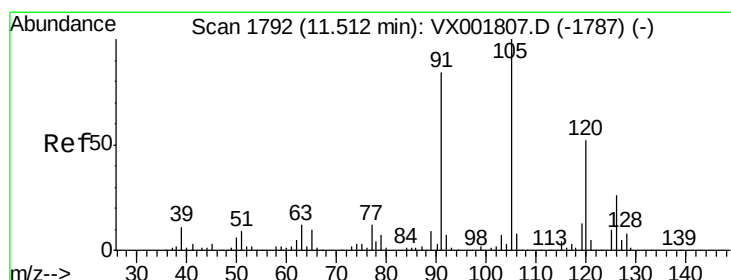
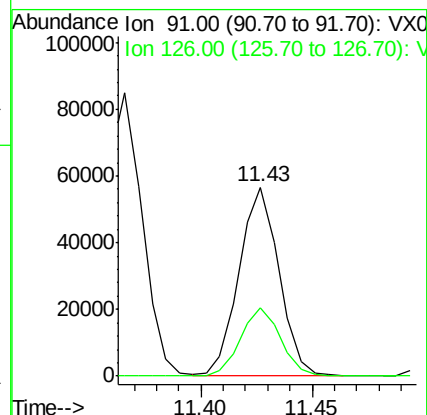
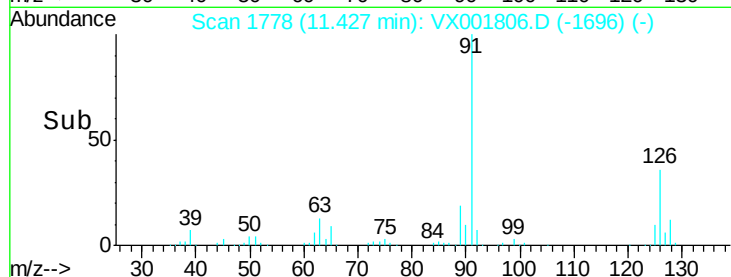
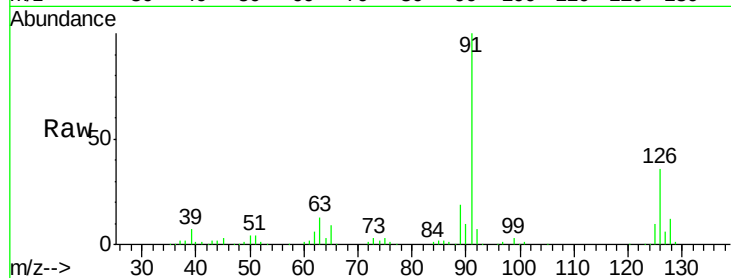
126 36.2 0.0 72.0

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#76

1,3,5-Trimethylbenzene

Concen: 9.72 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001806.D

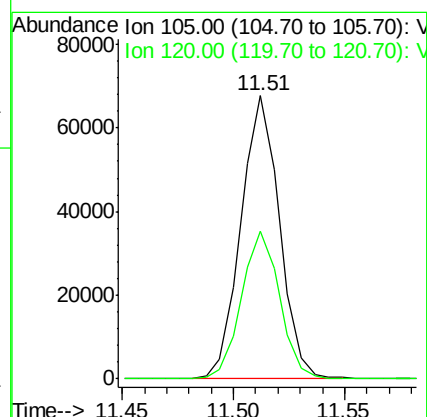
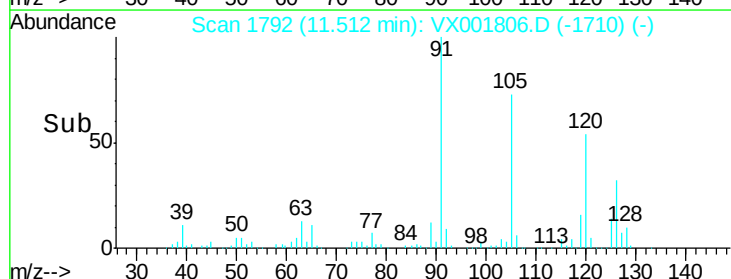
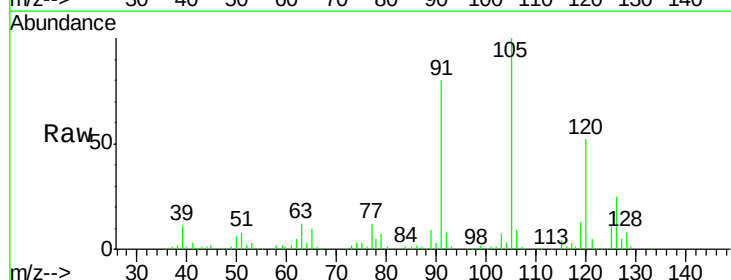
Acq: 18 May 2018 04:14

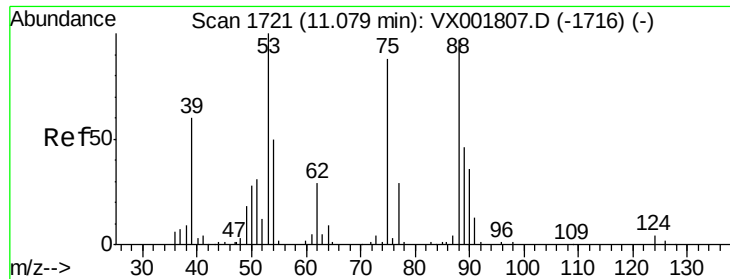
Tgt Ion: 105 Resp: 81507

Ion Ratio Lower Upper

105 100

120 51.8 0.0 103.0





#77

t-1,4-Dichloro-2-butene

Concen: 9.59 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 8285

Ion Ratio Lower Upper

75 100

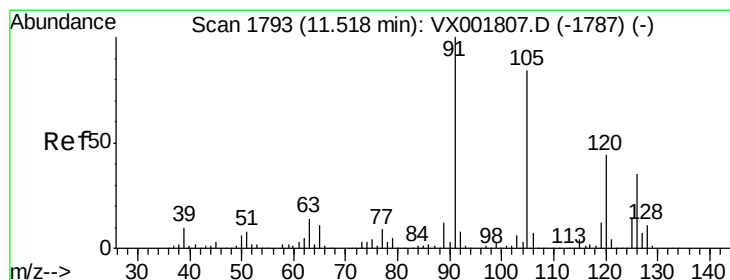
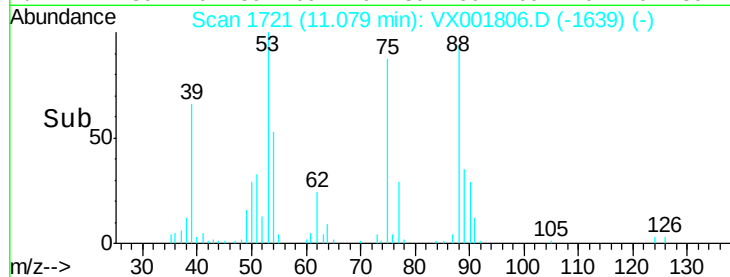
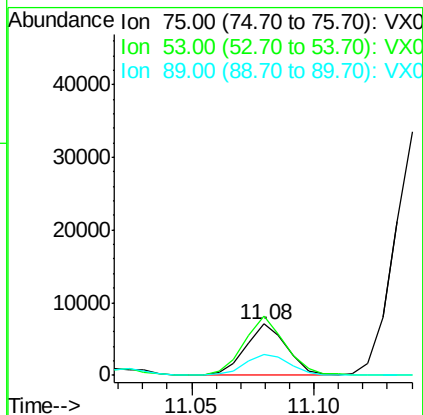
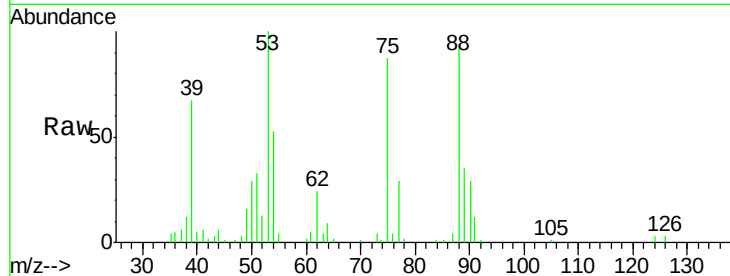
53 114.6 57.0 170.8

89 39.7 26.3 78.9

Manual Integrations
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#78

4-Chlorotoluene

Concen: 9.87 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001806.D

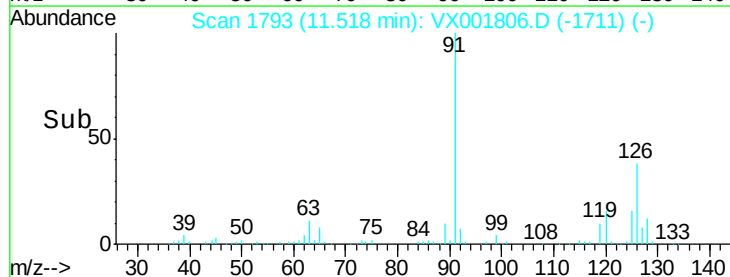
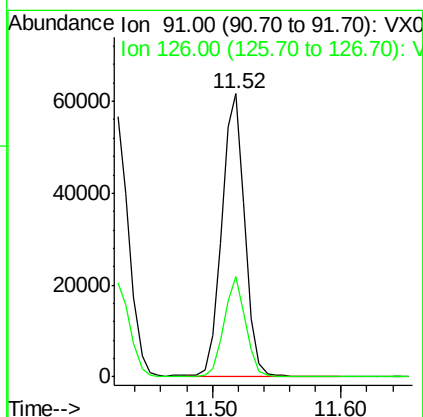
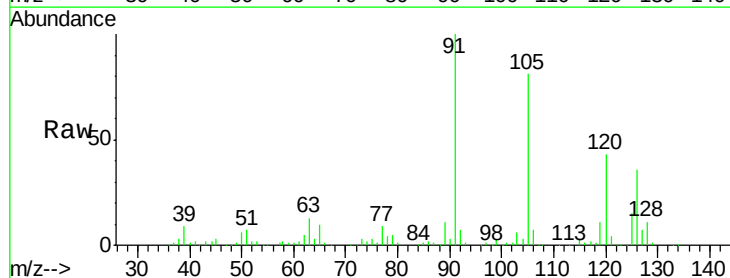
Acq: 18 May 2018 04:14

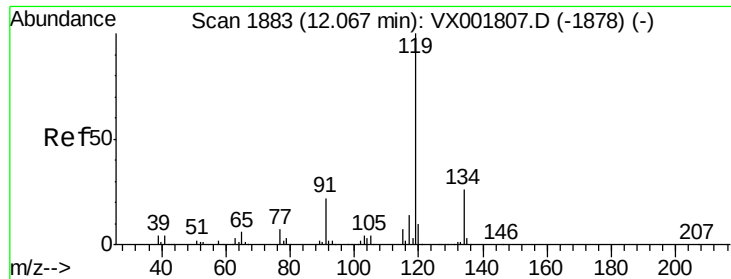
Tgt Ion: 91 Resp: 77502

Ion Ratio Lower Upper

91 100

126 33.3 0.0 64.8





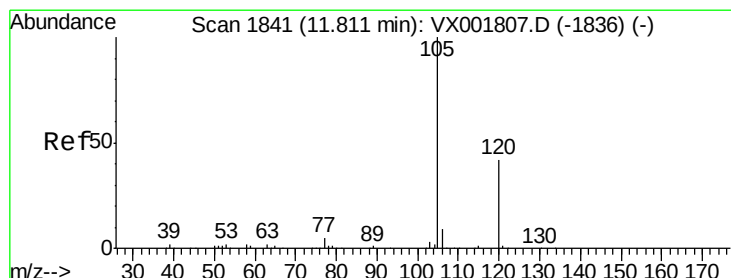
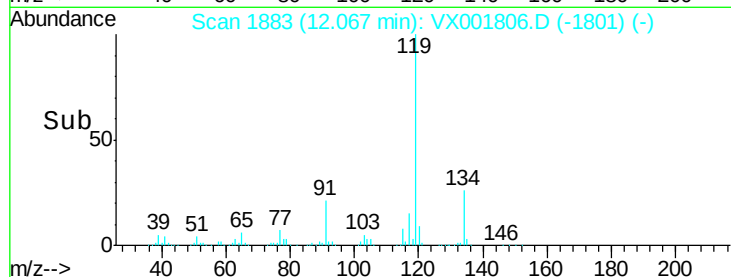
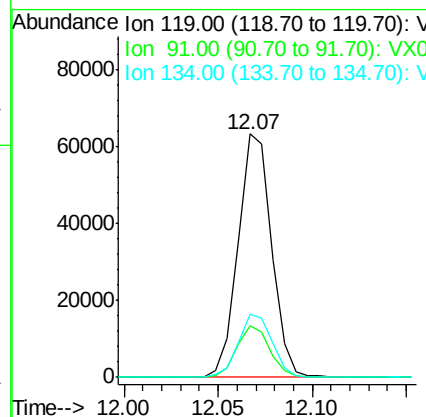
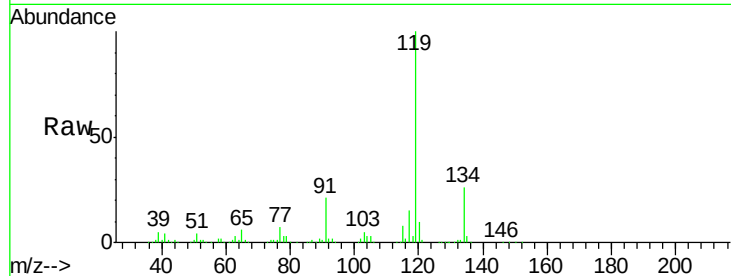
#79
tert-butylbenzene
Concen: 8.91 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	78001		
91	21.2		0.0	43.2
134	26.3		0.0	54.6

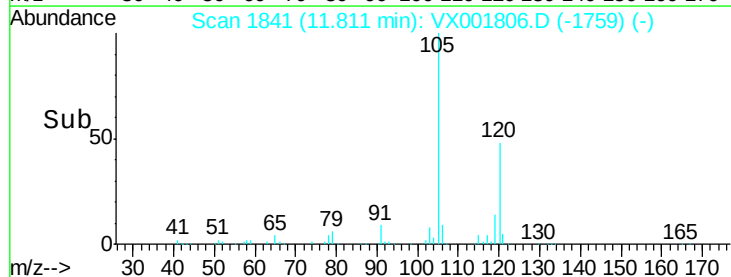
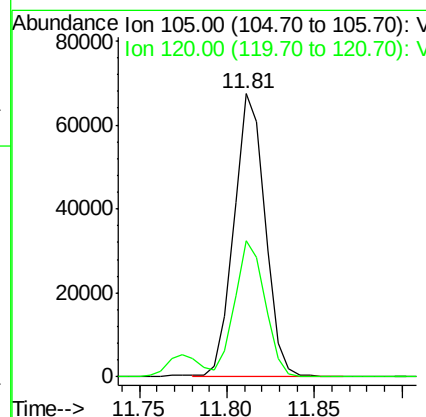
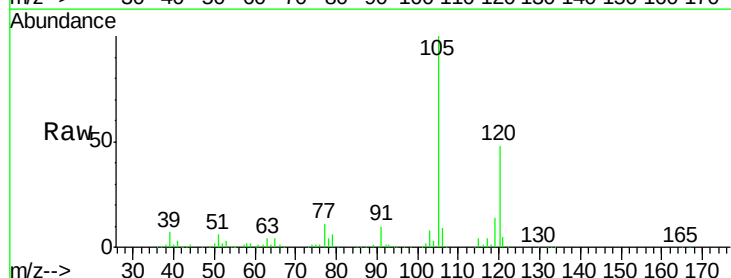
Manual Integrations
APPROVED

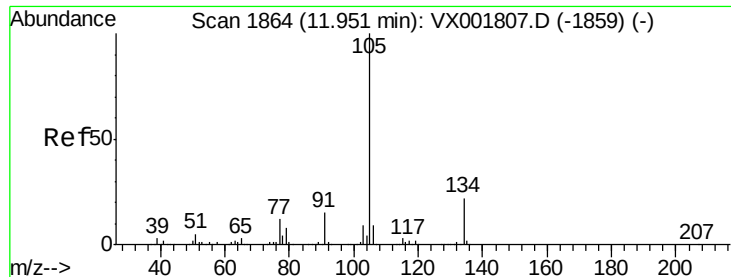
MMDadoda
5/21/2018 2:40:32 PM



#80
1,2,4-Trimethylbenzene
Concen: 9.70 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	83249		
120	46.8		0.0	94.6





#81

sec-Butylbenzene

Concen: 8.94 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 85721

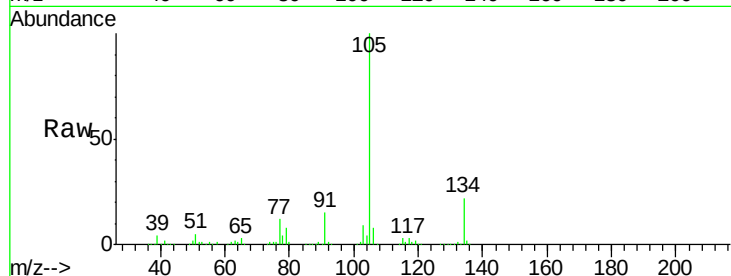
Ion Ratio Lower Upper

105 100

134 22.2 0.0 44.0

Manual Integrations
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5/21/2018 2:40:32 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

80000

60000

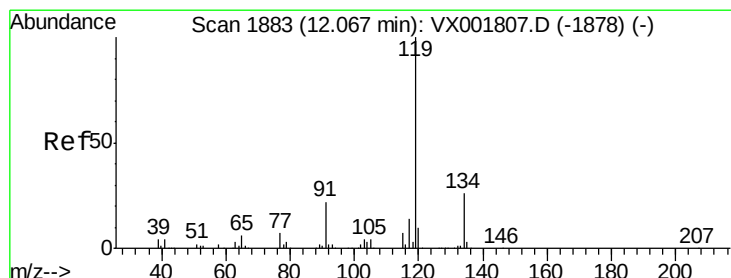
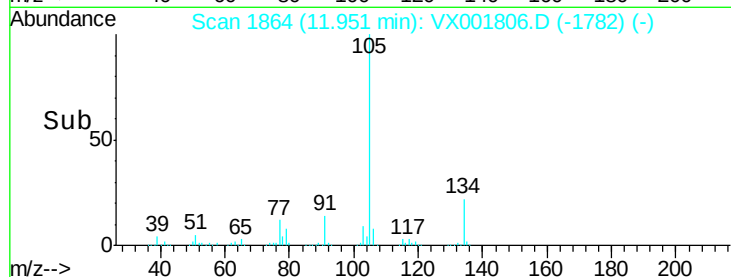
40000

20000

0

Time-->

11.90 11.95 12.00



#82

p-Isopropyltoluene

Concen: 8.91 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

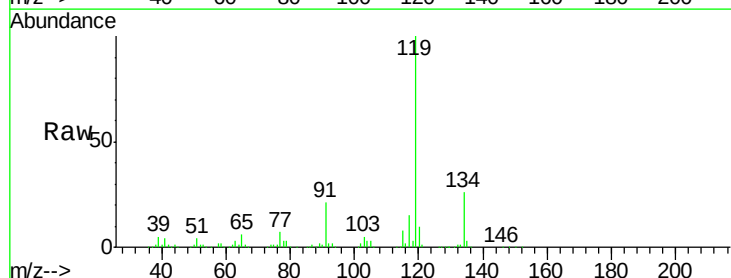
Tgt Ion:119 Resp: 78001

Ion Ratio Lower Upper

119 100

134 26.3 0.0 54.6

91 21.2 0.0 43.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

80000

60000

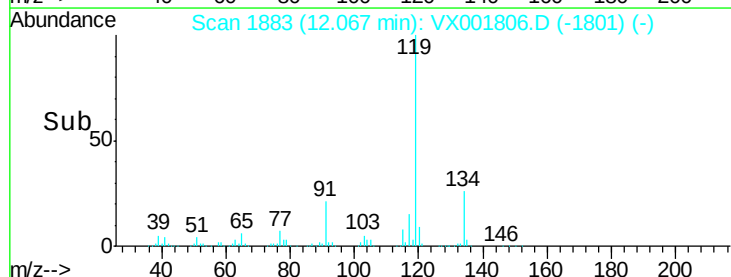
40000

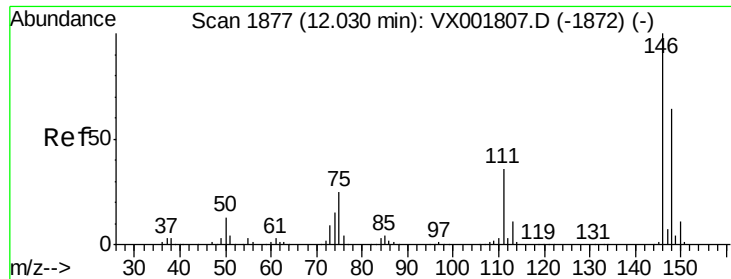
20000

0

Time-->

12.00 12.05 12.10





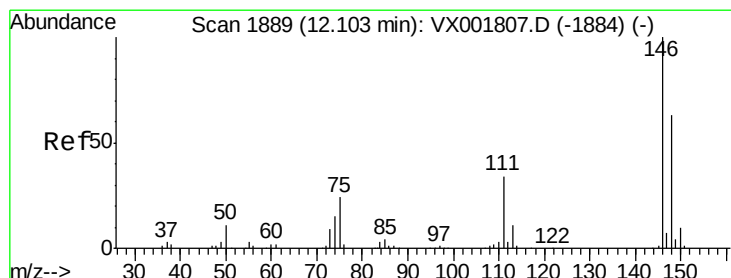
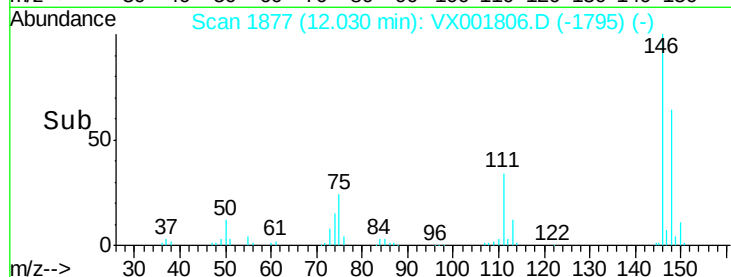
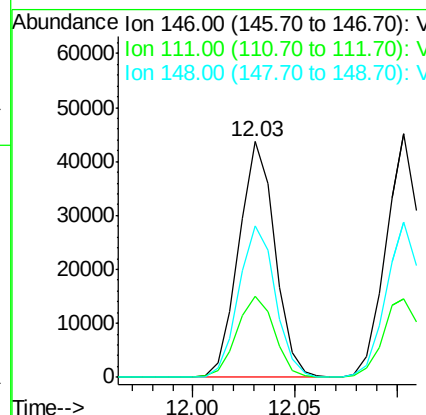
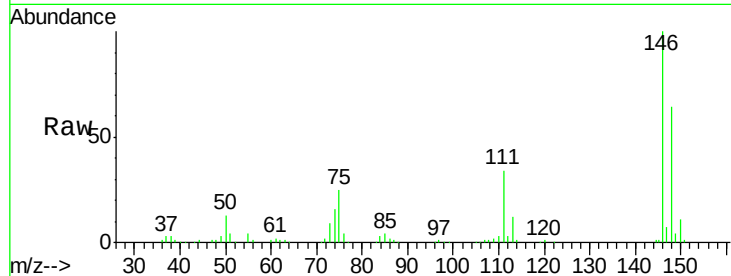
#83
 1,3-Dichlorobenzene
 Concen: 10.12 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.0	54.0
148	64.9	31.9	95.9

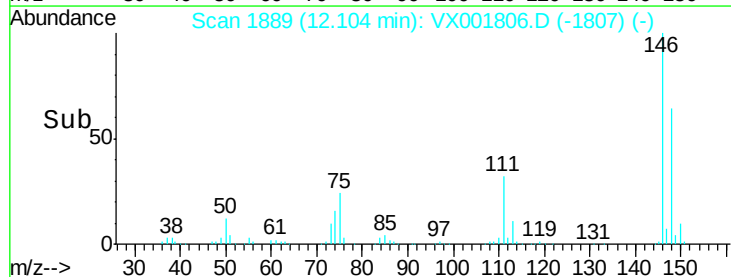
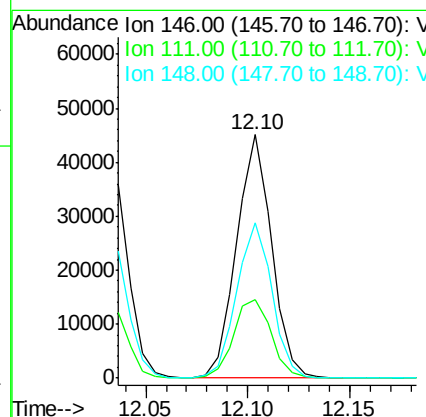
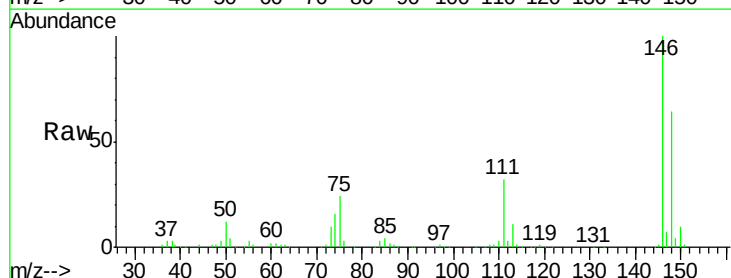
Manual Integrations
 APPROVED

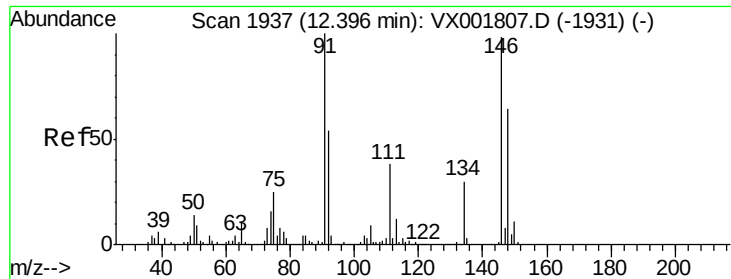
MMDadoda
 5/21/2018 2:40:32 PM



#84
 1,4-Dichlorobenzene
 Concen: 10.01 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	17.1	51.2
148	64.7	31.8	95.3





#85

n-Butylbenzene

Concen: 7.70 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Instrument :

MSVOA_X

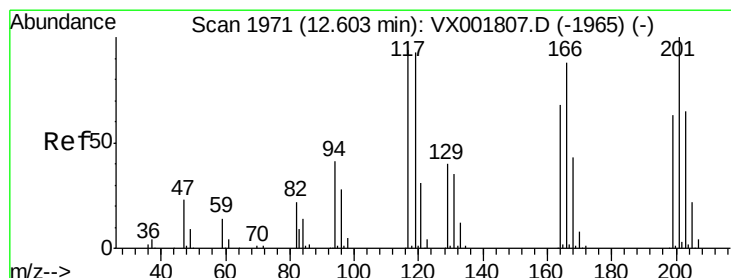
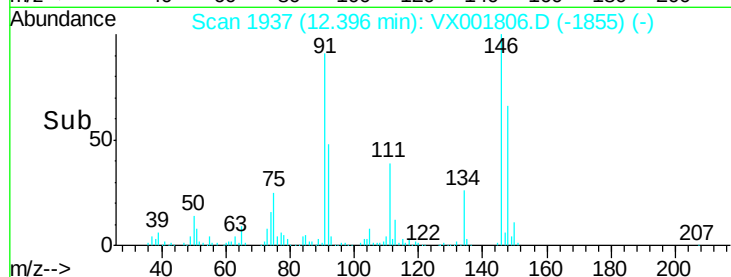
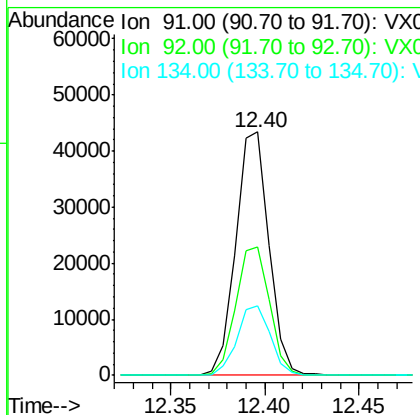
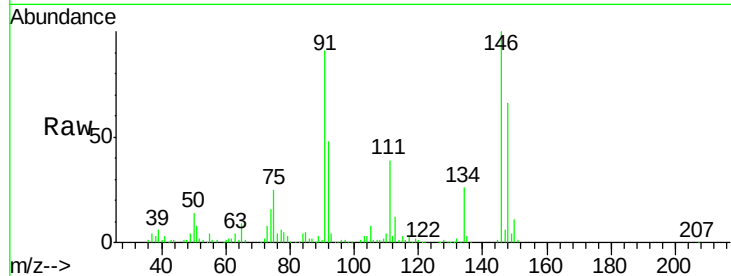
ClientSampled :

VSTDIC010

Tot Ion:	91	Resp:	53083
Ion	Ratio	Lower	Upper
91	100		
92	53.5	0.0	108.2
134	28.6	0.0	57.8

Manual Integrations
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#86

Hexachloroethane

Concen: 9.02 ug/l

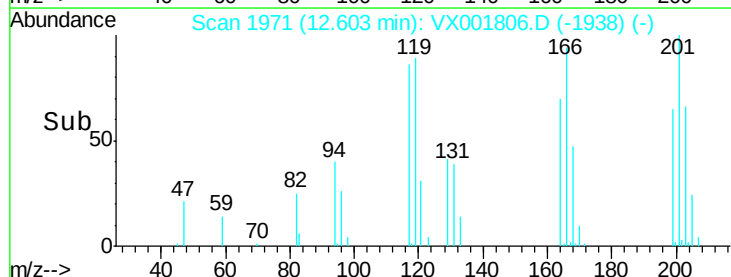
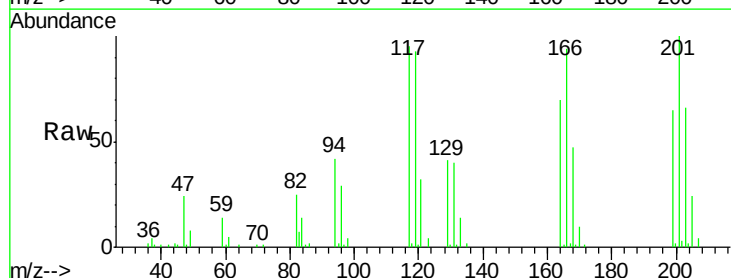
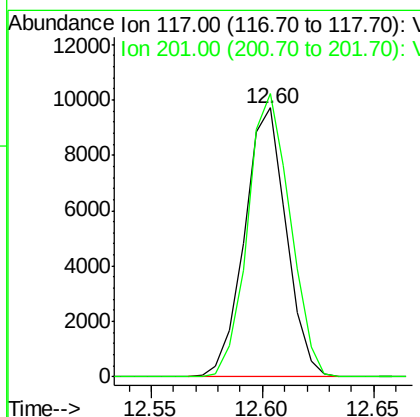
RT: 12.60 min Scan# 1971

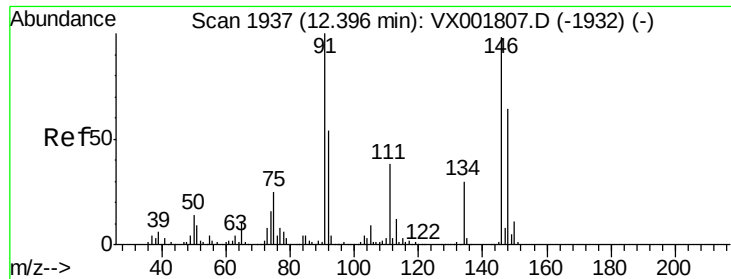
Delta R.T. 0.00 min

Lab File: VX001806.D

Acq: 18 May 2018 04:14

Tgt Ion:	117	Resp:	12709
Ion	Ratio	Lower	Upper
117	100		
201	106.3	53.0	159.0





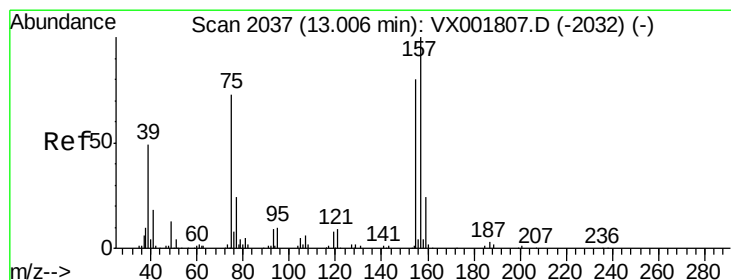
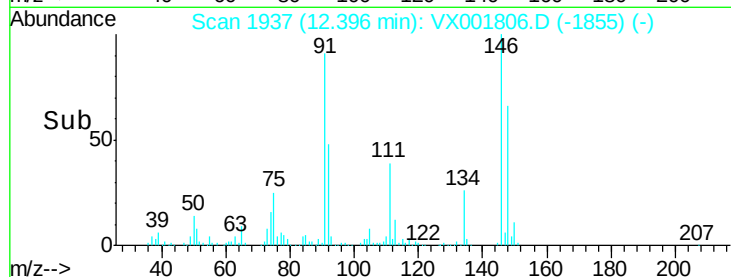
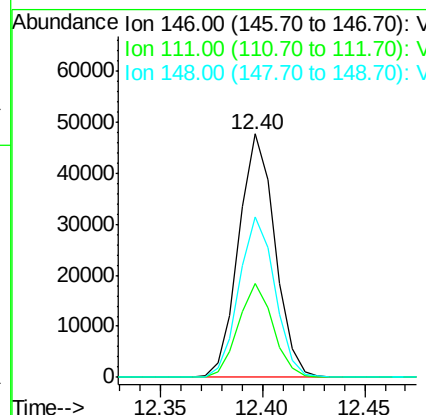
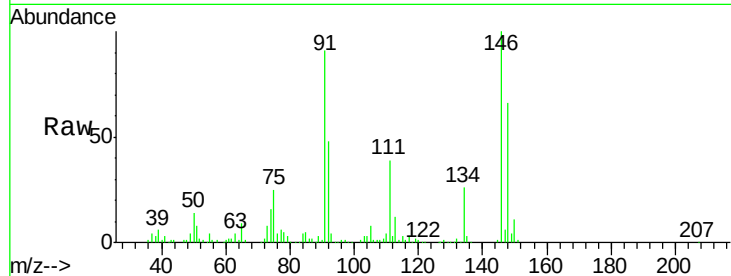
#87
 1,2-Dichlorobenzene
 Concen: 10.56 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.5
148	65.4	32.9	98.7

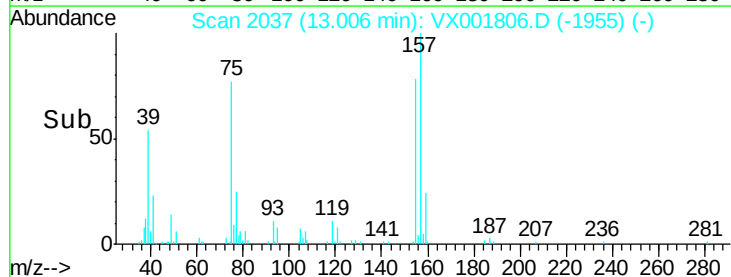
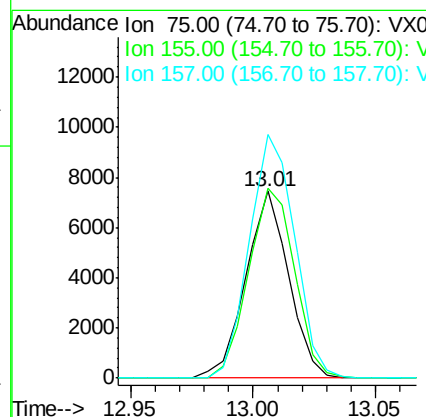
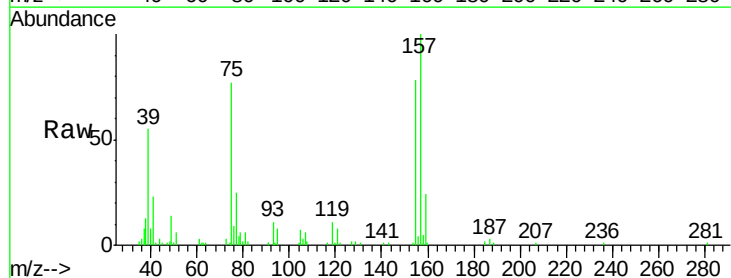
Manual Integrations
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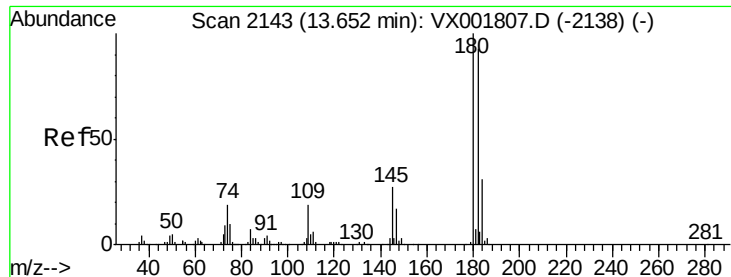
MMDadoda
 5/21/2018 2:40:32 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 11.02 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.2	88.5	132.7
157	138.0	111.0	166.4





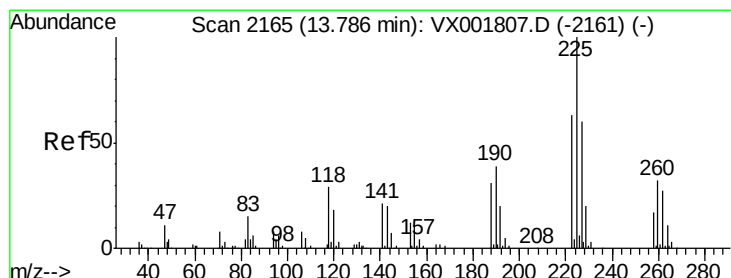
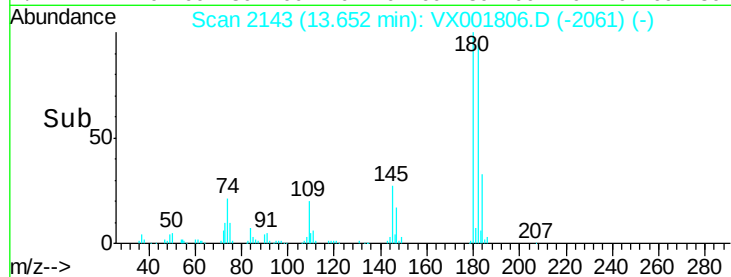
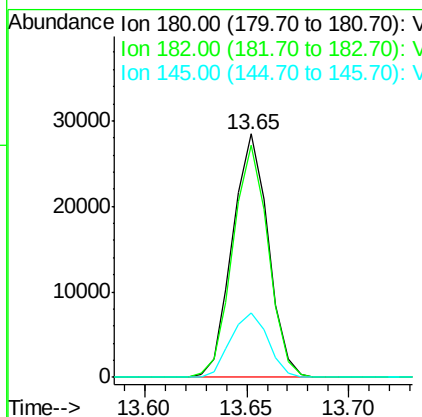
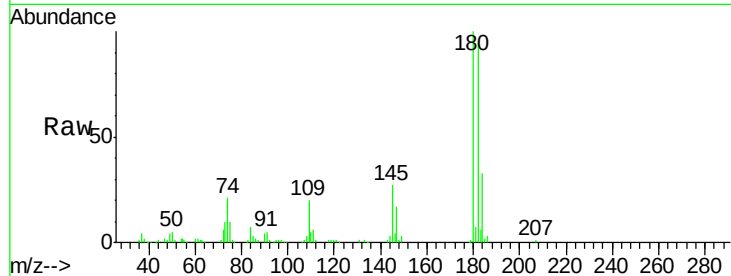
#89
 1,2,4-Trichlorobenzene
 Concen: 8.89 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	34661		
182	94.2	75.6	113.4	
145	27.7	21.6	32.4	

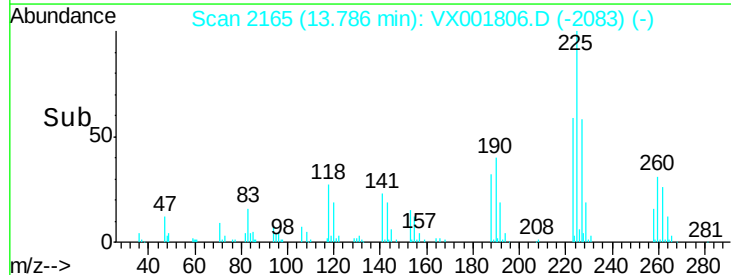
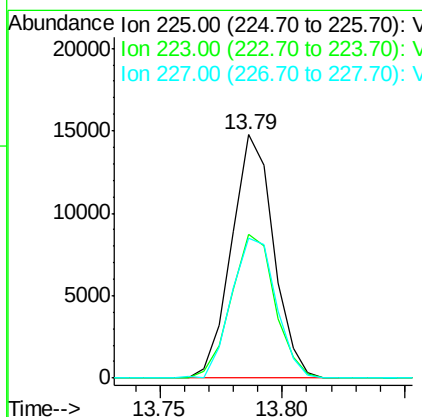
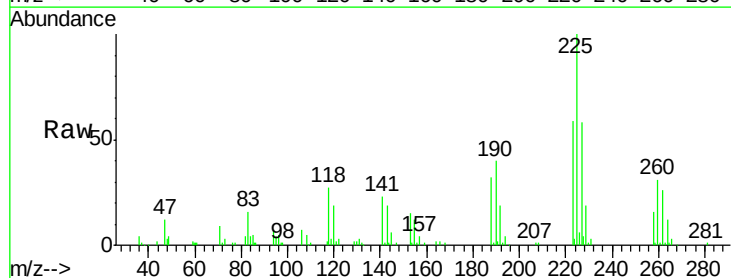
Manual Integrations
 APPROVED

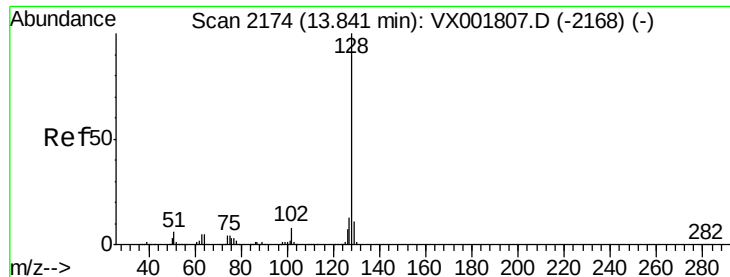
MMDadoda
 5/21/2018 2:40:32 PM



#90
 Hexachlorobutadiene
 Concen: 9.02 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001806.D
 Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17707		
223	61.4	0.0	123.6	
227	61.0	0.0	124.0	





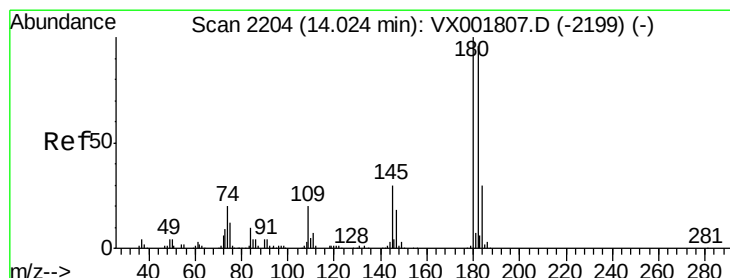
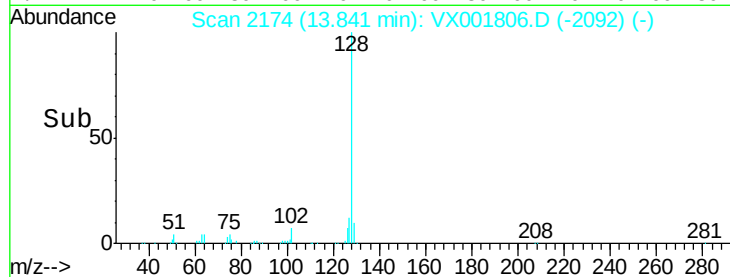
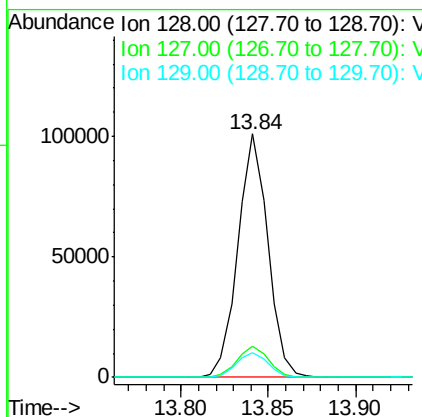
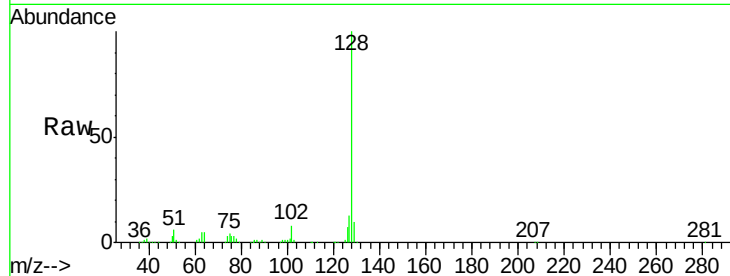
#91
Naphthalene
Concen: 9.99 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Instrument :
MSVOA_X
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	120465		
127	13.2		10.2	15.4
129	10.7		8.7	13.1

Manual Integrations
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MMDadoda
5/21/2018 2:40:32 PM



#92
1,2,3-Trichlorobenzene
Concen: 9.62 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001806.D
Acq: 18 May 2018 04:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	40099		
182	97.3		0.0	188.8
145	27.4		0.0	56.6

