

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
 Data File : VX001551.D
 Acq On : 09 May 2018 08:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2018 1:11:30 PM

Quant Time: May 09 09:00:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	296713	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	210681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	168267	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	5.51	113	138023	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	8.72	98	500808	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.14	95	188337	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	160951	52.33	ug/l	99
3) Chloromethane	1.32	50	152687	50.98	ug/l	100
4) Vinyl Chloride	1.40	62	160828	51.45	ug/l	98
5) Bromomethane	1.64	94	74064	51.90	ug/l	100
6) Chloroethane	1.72	64	108078	52.30	ug/l	100
7) Trichlorofluoromethane	1.93	101	252730	53.72	ug/l	100
8) Diethyl Ether	2.19	74	95612	51.85	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	141719	51.38	ug/l	99
10) Methyl Iodide	2.51	142	208509	52.39	ug/l	99
11) Tert butyl alcohol	3.09	59	183200	264.61	ug/l	98
12) 1,1-Dichloroethene	2.37	96	133969	52.99	ug/l	98
13) Acrolein	2.30	56	29888	217.47	ug/l	97
14) Allyl chloride	2.73	41	236902	50.26	ug/l	99
15) Acrylonitrile	3.15	53	409813	261.94	ug/l	99
16) Acetone	2.45	43	371370	249.06	ug/l	100
17) Carbon Disulfide	2.57	76	317945	49.42	ug/l	100
18) Methyl Acetate	2.78	43	223884	57.15	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	473259	53.77	ug/l	100
20) Methylene Chloride	2.86	84	151640	51.36	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	143207	50.76	ug/l	98
22) Diisopropyl ether	3.88	45	473340	53.75	ug/l	99
23) Vinyl Acetate	3.83	43	1906614	259.77	ug/l	100
24) 1,1-Dichloroethane	3.70	63	244441	49.69	ug/l	100
25) 2-Butanone	4.71	43	561105	260.33	ug/l	98
26) 2,2-Dichloropropane	4.59	77	107959	28.42	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	157960	52.57	ug/l	94
28) Bromochloromethane	5.03	49	113601	53.26	ug/l	98
29) Tetrahydrofuran	5.17	42	365039	264.70	ug/l	100
30) Chloroform	5.22	83	279712	55.20	ug/l	96
31) Cyclohexane	5.58	56	223296	52.85	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	248526	56.11	ug/l	99
36) 1,1-Dichloropropene	5.81	75	199154	52.77	ug/l	99
37) Ethyl Acetate	4.87	43	217029	52.46	ug/l	99
38) Carbon Tetrachloride	5.79	117	224874	55.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	231043	51.78	ug/l	97
40) Benzene	6.15	78	598915	54.33	ug/l	100
41) Methacrylonitrile	5.07	41	125599	53.06	ug/l	99
42) 1,2-Dichloroethane	6.20	62	233426	55.09	ug/l	100
43) Isopropyl Acetate	6.48	43	347130	54.66	ug/l	100
44) Trichloroethene	7.22	130	181205	53.78	ug/l	97
45) 1,2-Dichloropropane	7.52	63	152016	55.31	ug/l	100
46) Dibromomethane	7.67	93	105864	54.41	ug/l	99
47) Bromodichloromethane	7.90	83	207012	57.49	ug/l	98
48) Methyl methacrylate	7.79	41	188238	54.43	ug/l	99
49) 1,4-Dioxane	7.76	88	80606	1078.81	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1182969	280.29	ug/l	99
52) Toluene	8.79	92	398899	55.34	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	216095	53.10	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	195645	46.66	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	159395	54.89	ug/l	99
56) Ethyl methacrylate	9.19	69	233939	55.88	ug/l	99
57) 1,3-Dichloropropane	9.38	76	261929	54.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	585225	285.02	ug/l	100
59) 2-Hexanone	9.51	43	883746	273.45	ug/l	100
60) Dibromochloromethane	9.59	129	173156	58.22	ug/l	98
61) 1,2-Dibromoethane	9.68	107	170741	56.00	ug/l	99
64) Tetrachloroethene	9.34	164	226860	56.36	ug/l	100
65) Chlorobenzene	10.15	112	451738	53.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	171028	56.46	ug/l	100
67) Ethyl Benzene	10.26	91	748022	53.89	ug/l	100
68) m/p-Xylenes	10.37	106	604330	110.19	ug/l	99
69) o-Xylene	10.71	106	296133	55.56	ug/l	99
70) Styrene	10.72	104	493317	56.97	ug/l	99
71) Bromoform	10.87	173	141257	48.59	ug/l	100
73) Isopropylbenzene	11.02	105	789256	54.11	ug/l	100
74) N-amyl acetate	6.48	43	347130	52.40	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	228120	52.96	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	223898m	52.40	ug/l	
77) Bromobenzene	11.26	156	222915	52.57	ug/l	99
78) n-propylbenzene	11.37	91	877167	55.23	ug/l	99
79) 2-Chlorotoluene	11.43	91	524929	53.71	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	663221	54.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	52324	39.98	ug/l	97
82) 4-Chlorotoluene	11.52	91	613286	54.39	ug/l	100
83) tert-Butylbenzene	11.77	119	638397	52.84	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	684841	54.87	ug/l	100
85) sec-Butylbenzene	11.95	105	793699	54.73	ug/l	100
86) p-Isopropyltoluene	12.07	119	732822	55.08	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	399886	52.76	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	405898	52.50	ug/l	100
89) n-Butylbenzene	12.40	91	580286	52.64	ug/l	100
90) Hexachloroethane	12.60	117	114610	57.21	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	412936	53.55	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	53959	57.01	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	300686	53.28	ug/l	100
94) Hexachlorobutadiene	13.79	225	156275	50.61	ug/l	100
95) Naphthalene	13.84	128	877393	56.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	314403	54.30	ug/l	99

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

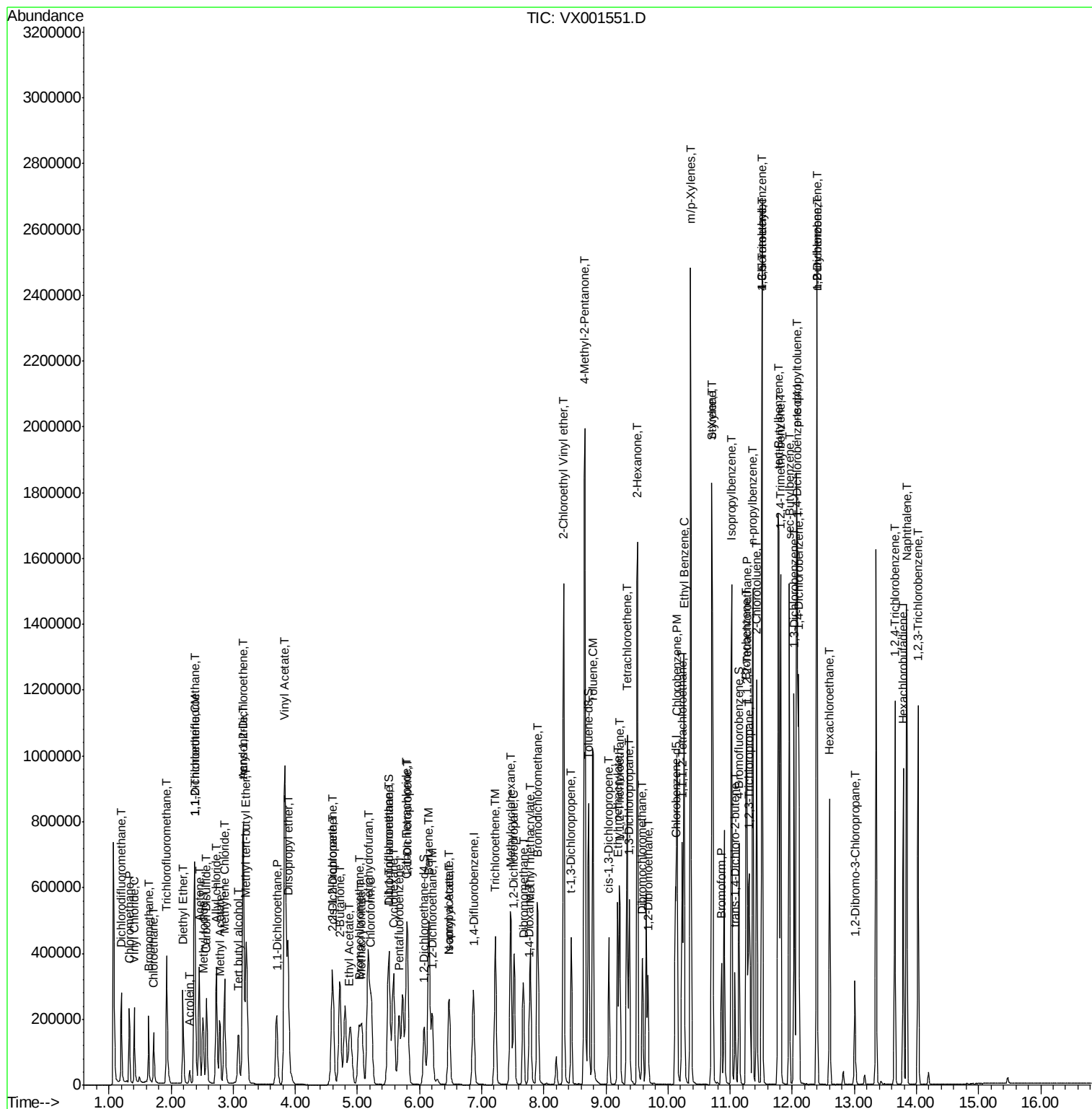
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050818\
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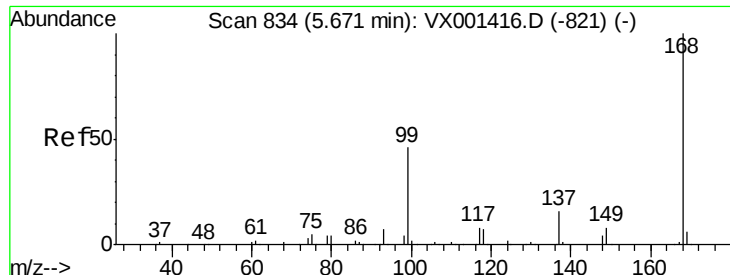
Instrument :
MSVOA_X
ClientSampleId :
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Manual Integrations APPROVED

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 228466

Ion Ratio Lower Upper

168 100

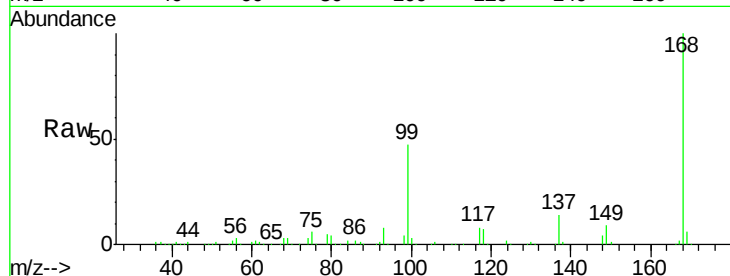
99 46.8 36.6 54.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

40000

20000

0

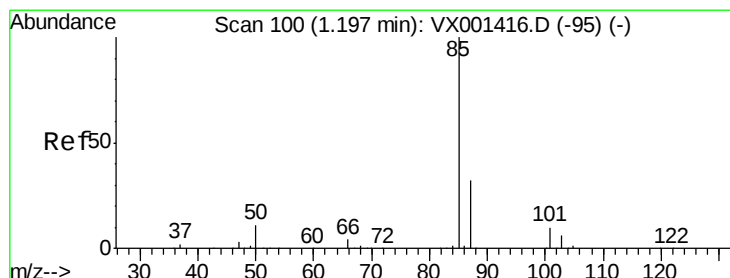
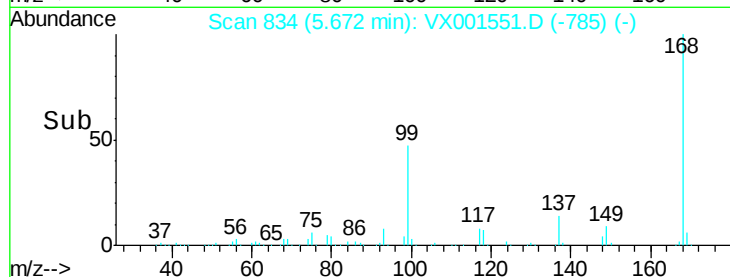
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.33 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001551.D

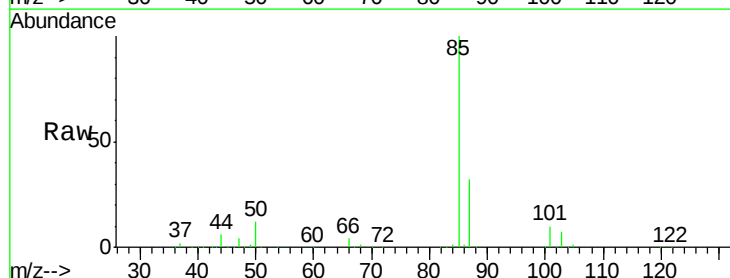
Acq: 09 May 2018 08:41

Tgt Ion: 85 Resp: 160951

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

100000

50000

0

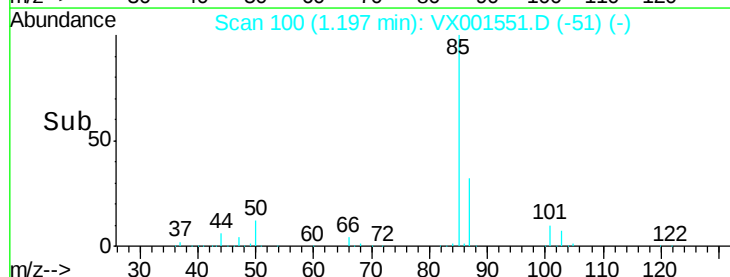
1.15

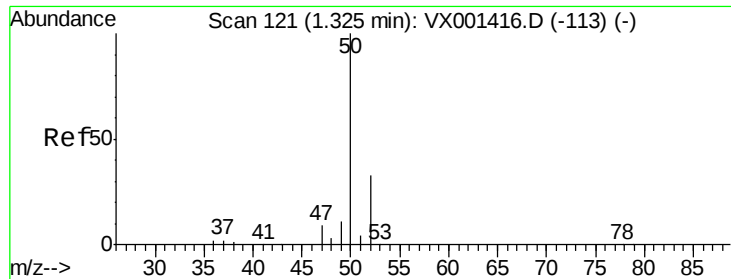
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 50.98 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 152687

Ion Ratio Lower Upper

50 100

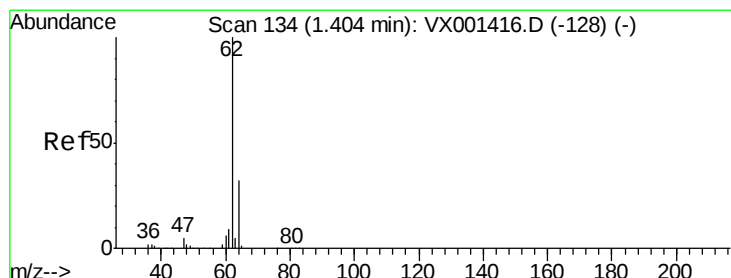
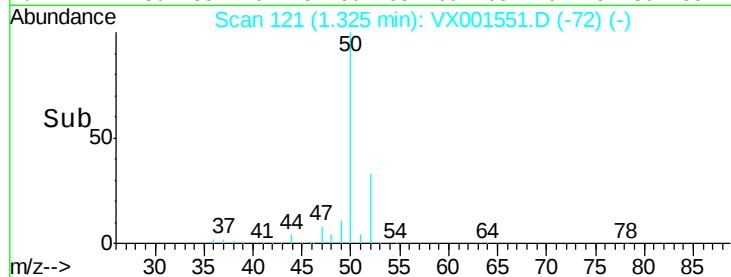
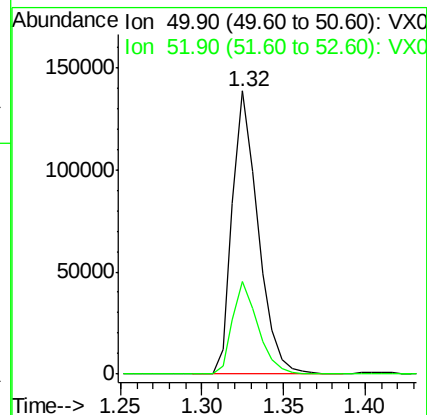
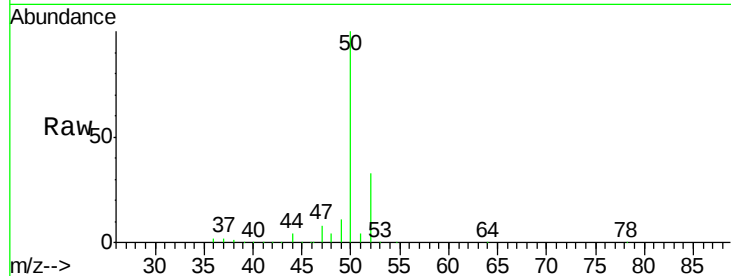
52 32.6 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.45 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001551.D

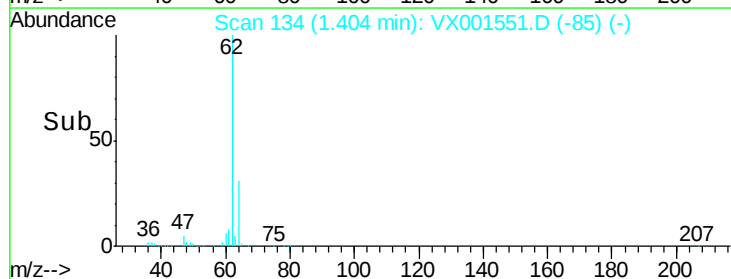
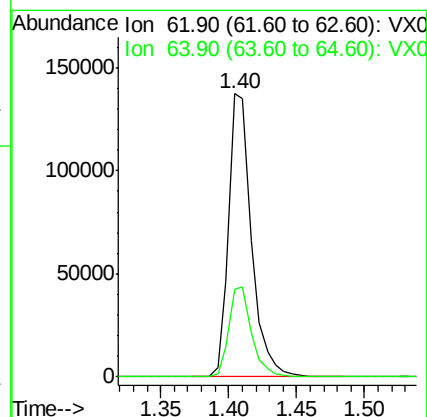
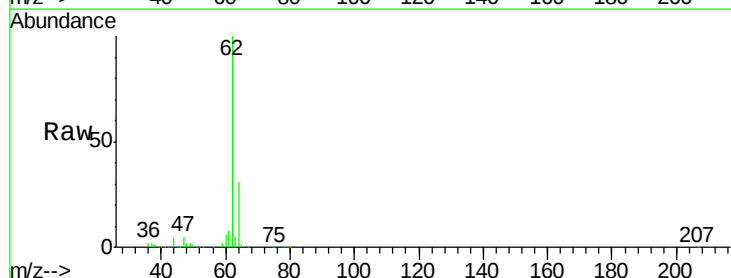
Acq: 09 May 2018 08:41

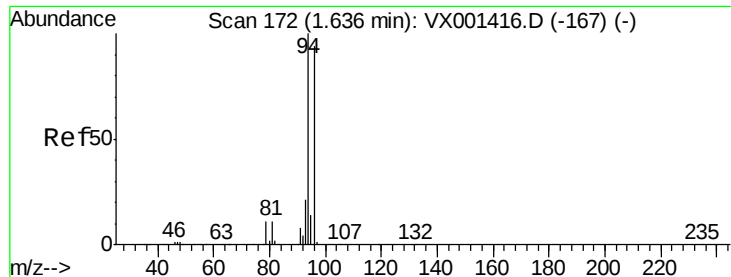
Tgt Ion: 62 Resp: 160828

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.6





#5

Bromomethane

Concen: 51.90 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 74064

Ion Ratio Lower Upper

94 100

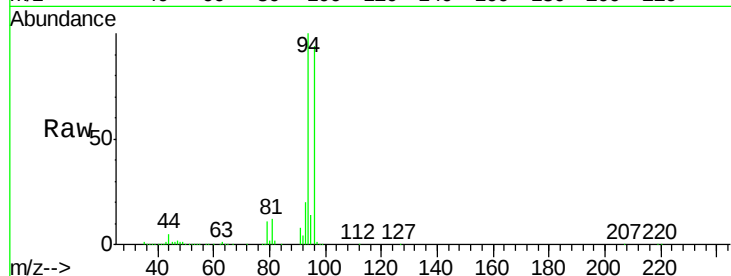
96 94.1 75.0 112.6

Manual Integrations

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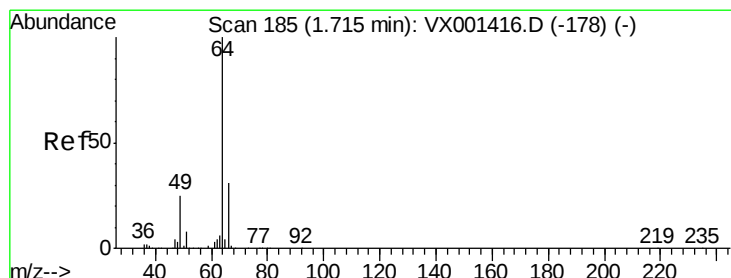
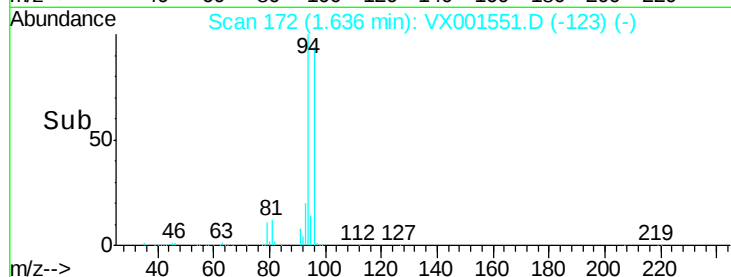
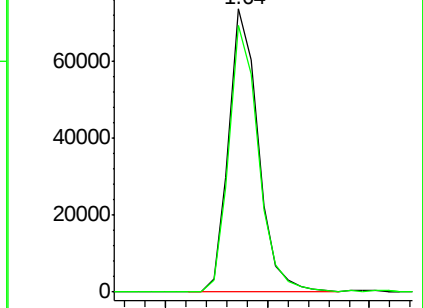
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.30 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX001551.D

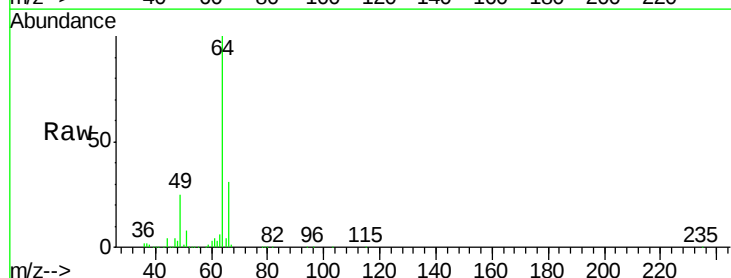
Acq: 09 May 2018 08:41

Tgt Ion: 64 Resp: 108078

Ion Ratio Lower Upper

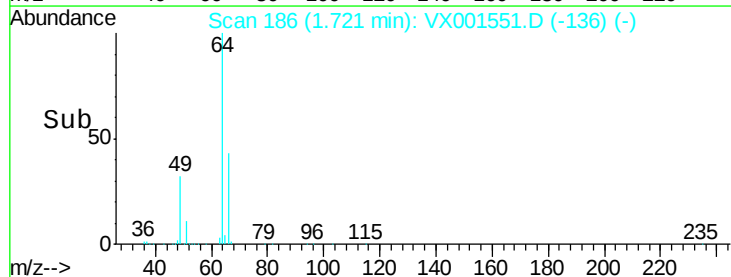
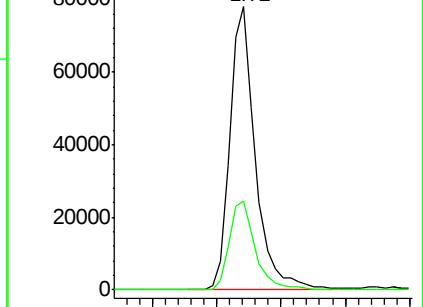
64 100

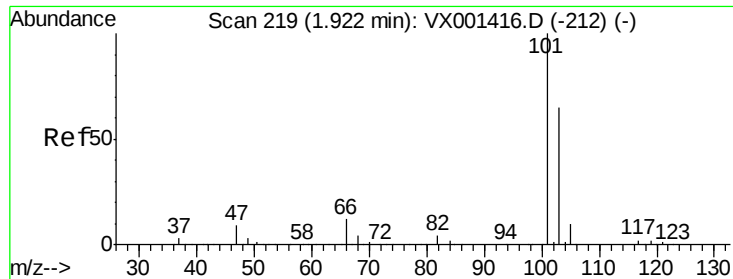
66 31.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

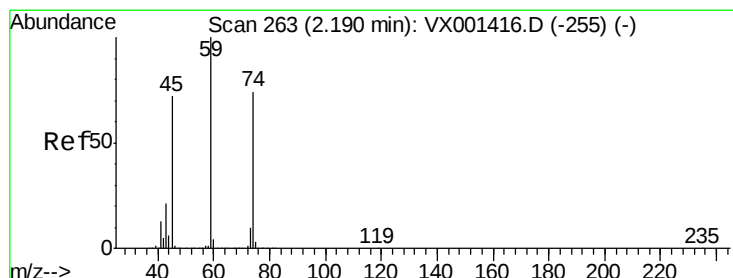
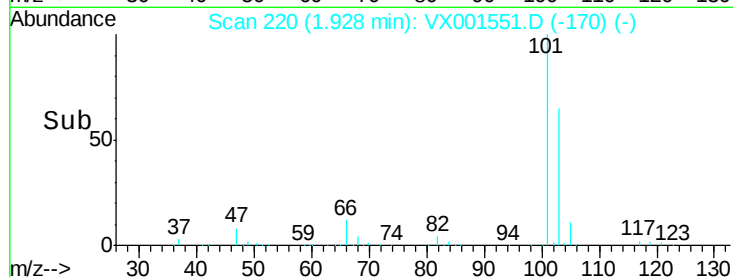
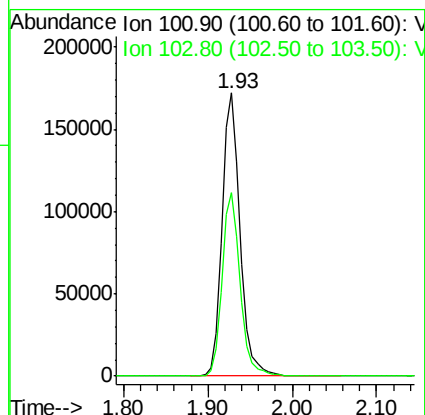
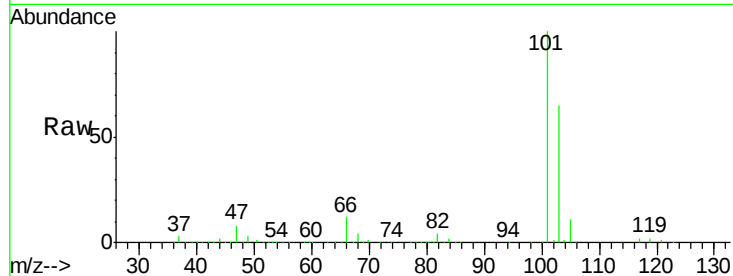
Trichlorofluoromethane
 Concen: 53.72 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.0	78.0

Manual Integrations
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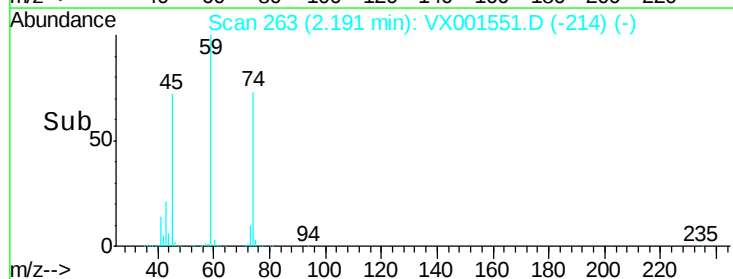
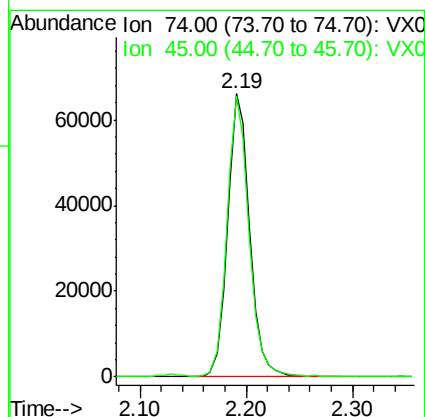
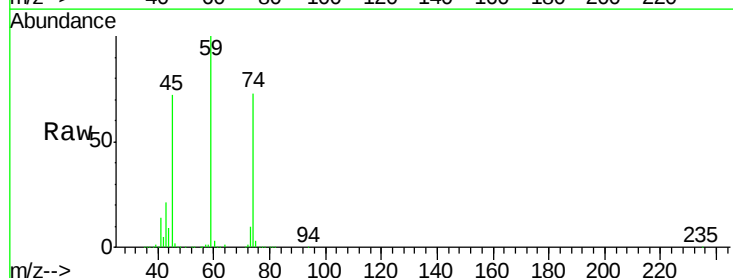
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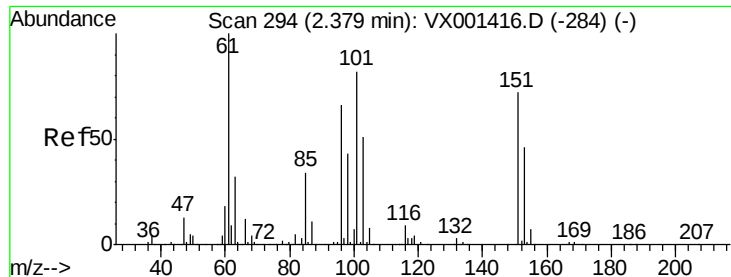


#8

Diethyl Ether
 Concen: 51.85 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.38 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

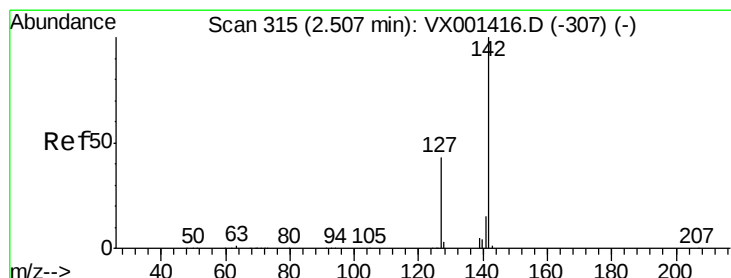
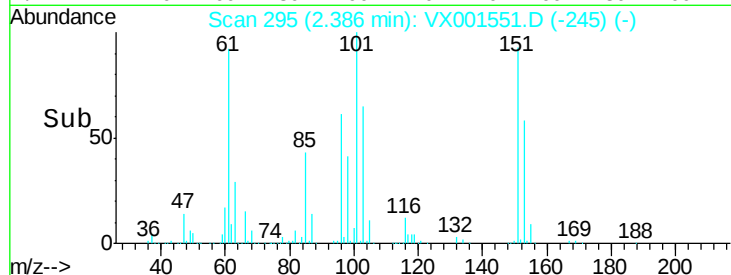
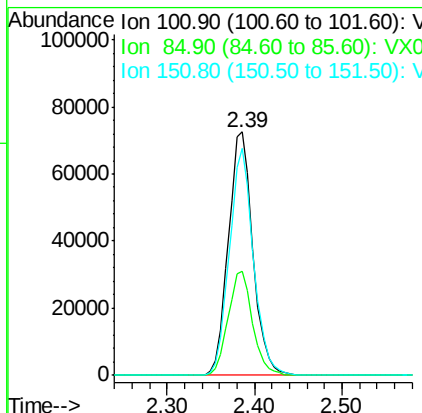
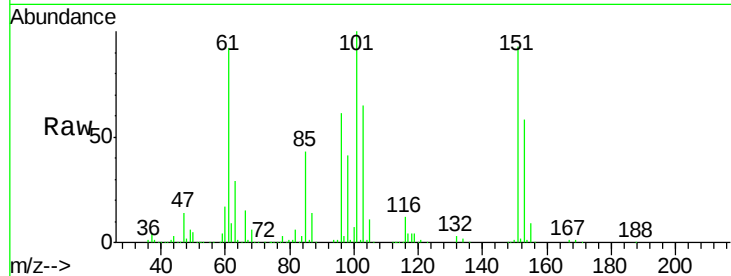
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	141719
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.7	50.5
151	91.6	72.3	108.5

Manual Integrations
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#10

Methyl Iodide

Concen: 52.39 ug/l

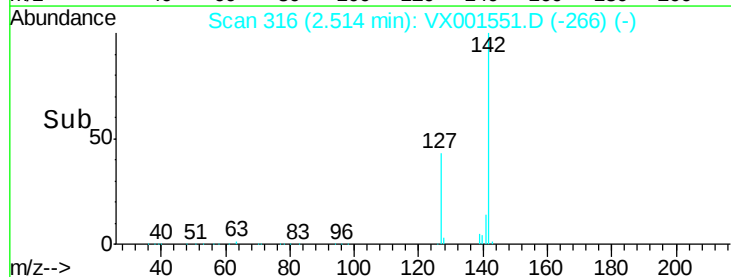
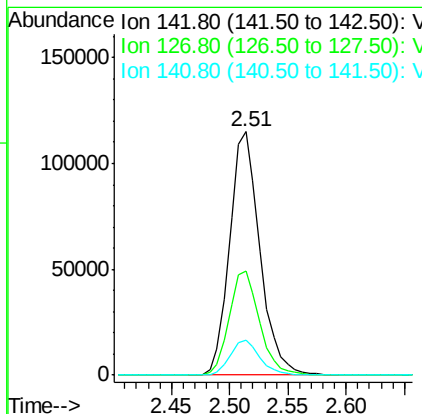
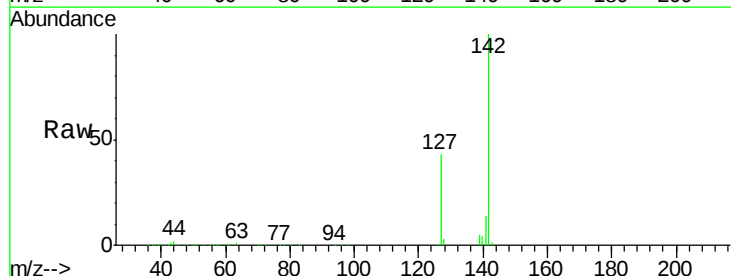
RT: 2.51 min Scan# 316

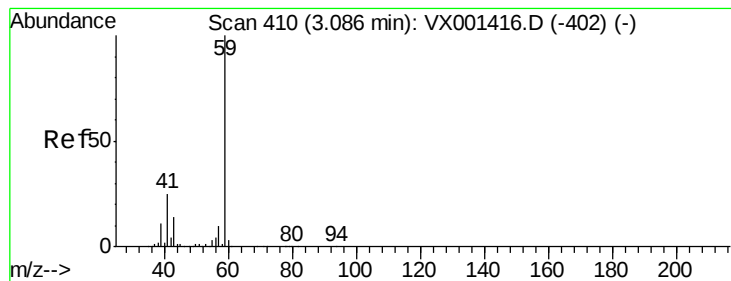
Delta R.T. 0.01 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion:	142	Resp:	208509
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.6	50.4
141	14.3	11.4	17.2





#11

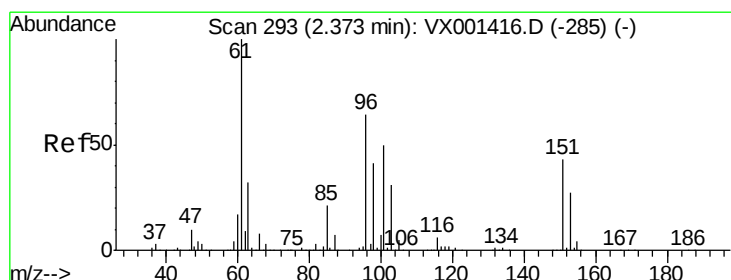
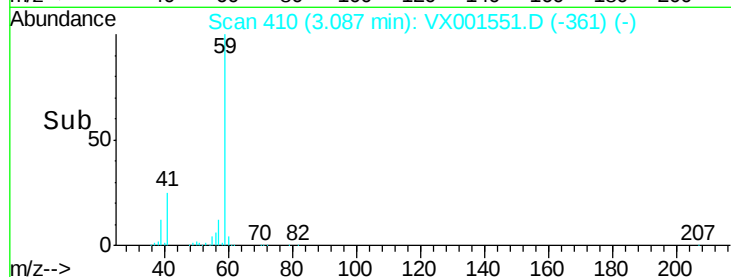
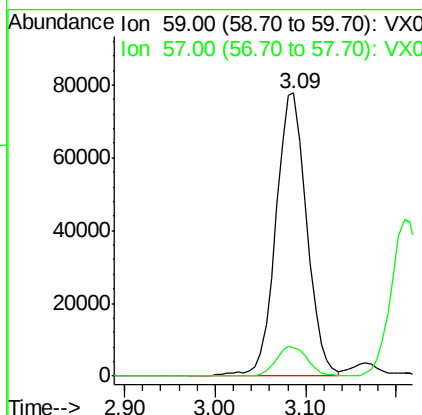
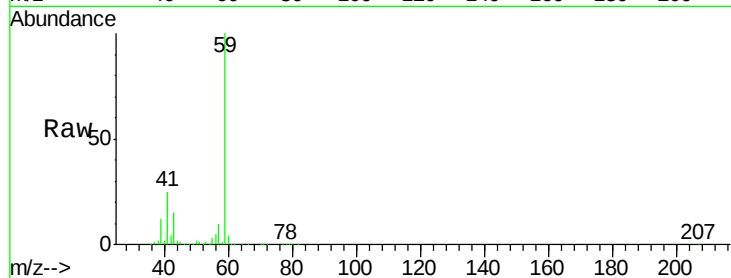
Tert butyl alcohol
Concen: 264.61 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	183200
Ion Ratio	100	Lower	Upper
57	10.9	8.2	12.4

Manual Integrations
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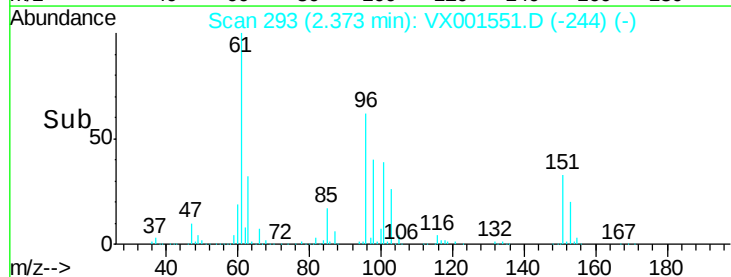
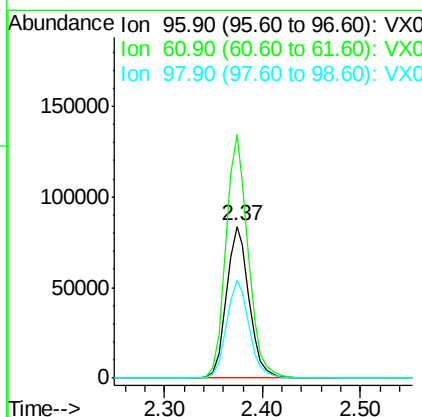
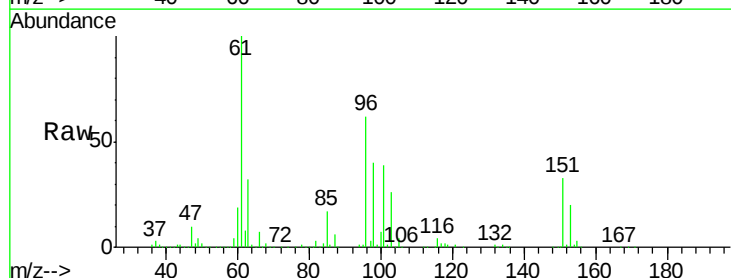
MMDadoda
5/10/2018 1:11:30 PM

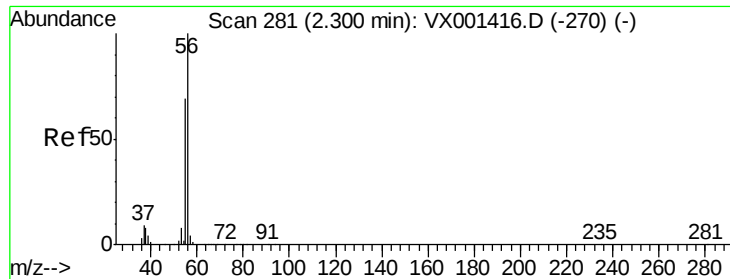


#12

1,1-Dichloroethene
Concen: 52.99 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	96	Resp	133969
Ion Ratio	100	Lower	Upper
61	160.6	125.7	188.5
98	64.4	52.0	78.0





#13

Acrolein

Concen: 217.47 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 29888

Ion Ratio Lower Upper

56 100

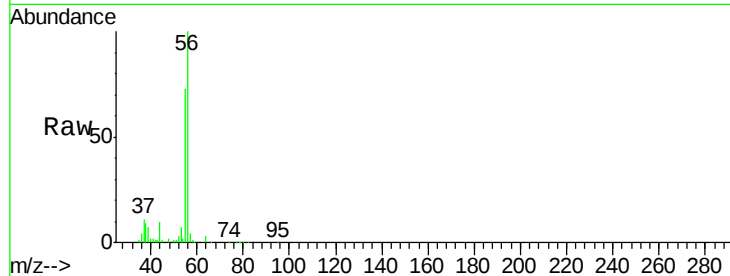
55 70.5 54.5 81.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

15000

10000

5000

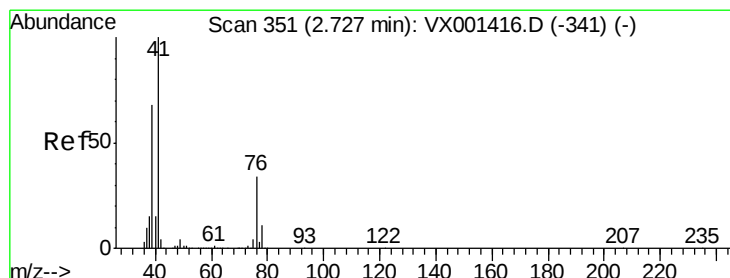
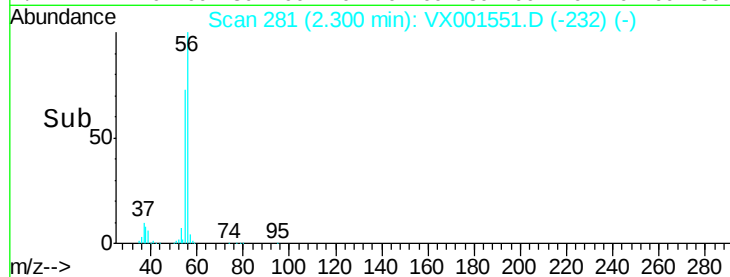
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 50.26 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

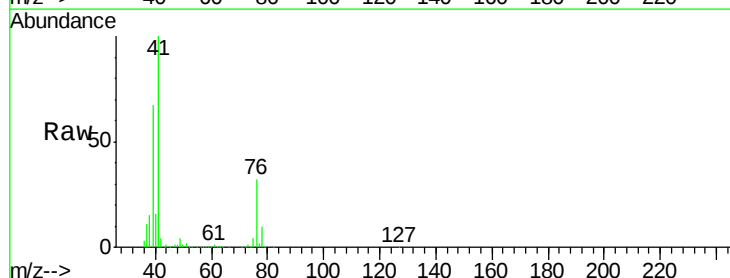
Tgt Ion: 41 Resp: 236902

Ion Ratio Lower Upper

41 100

39 65.0 52.4 78.6

76 31.6 25.8 38.6



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

200000

150000

100000

50000

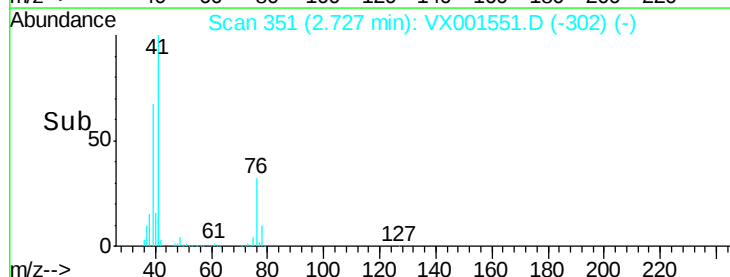
0

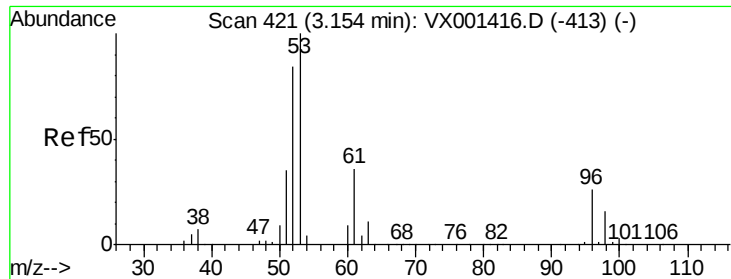
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 261.94 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

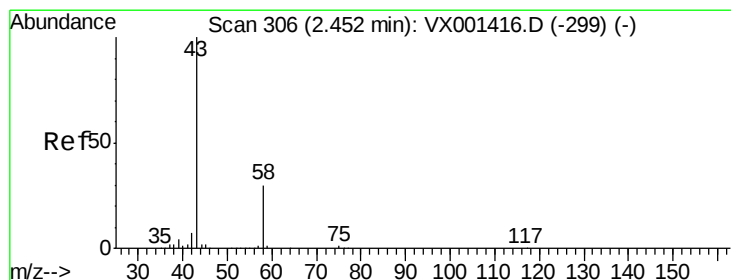
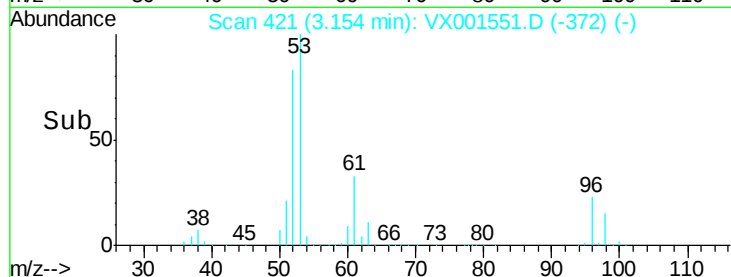
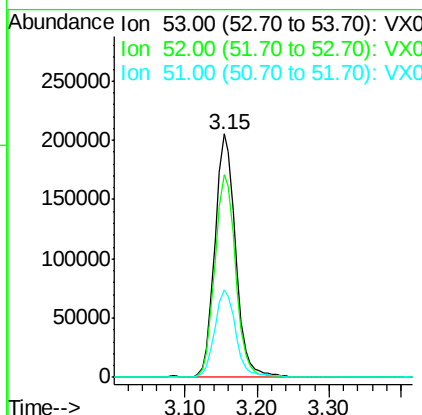
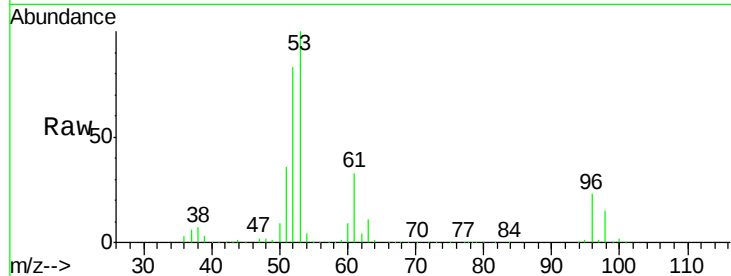
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	409813
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.2	99.2
51	36.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 249.06 ug/l

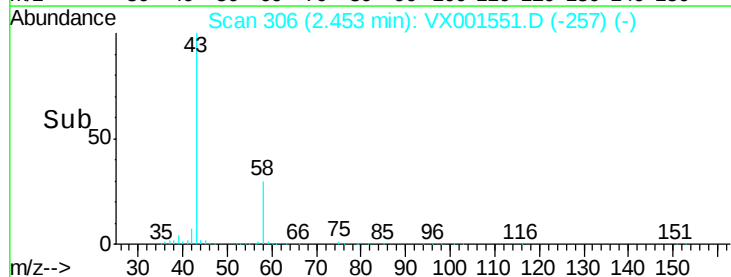
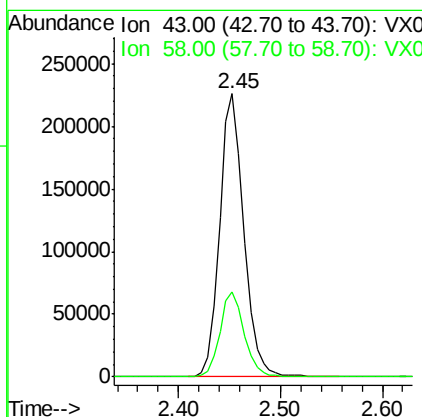
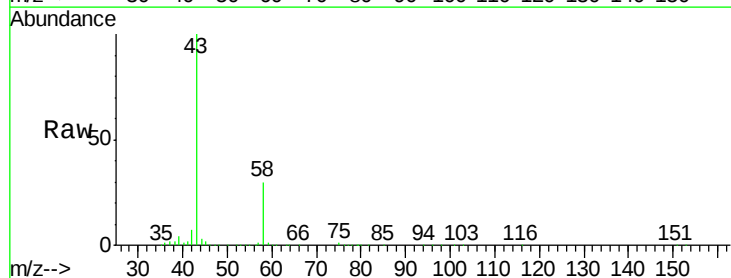
RT: 2.45 min Scan# 306

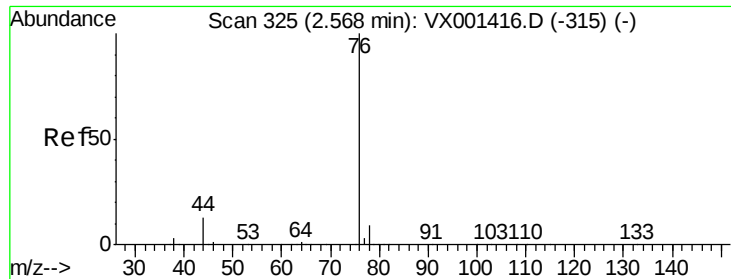
Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion:	43	Resp:	371370
Ion Ratio	Lower	Upper	
43	100		
58	30.1	23.8	35.8





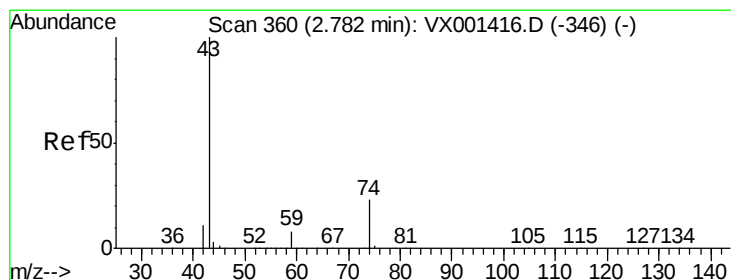
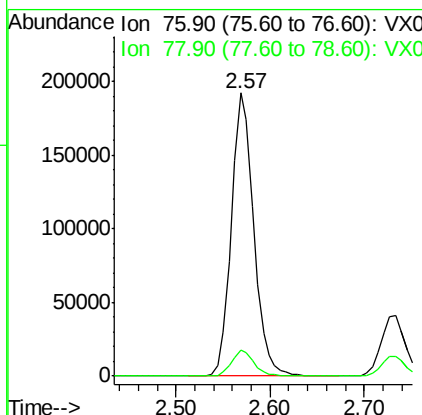
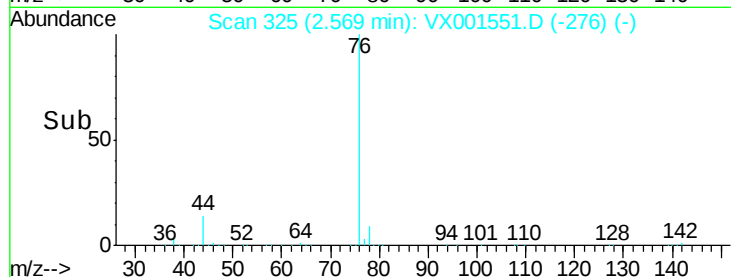
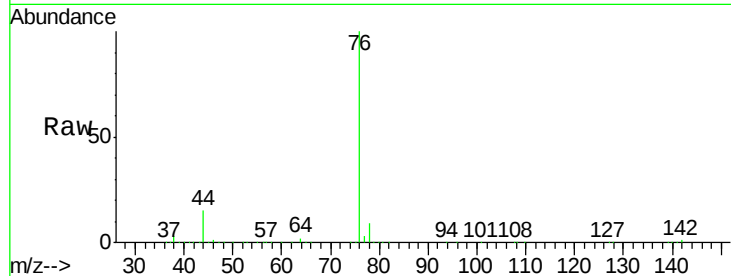
#17
Carbon Disulfide
Concen: 49.42 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

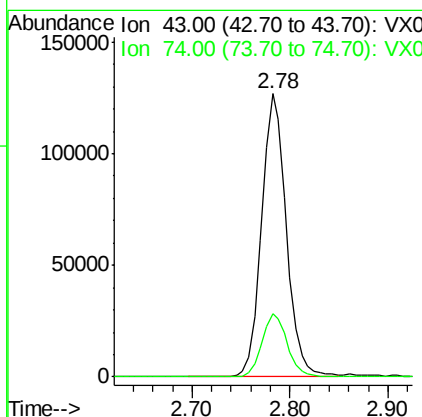
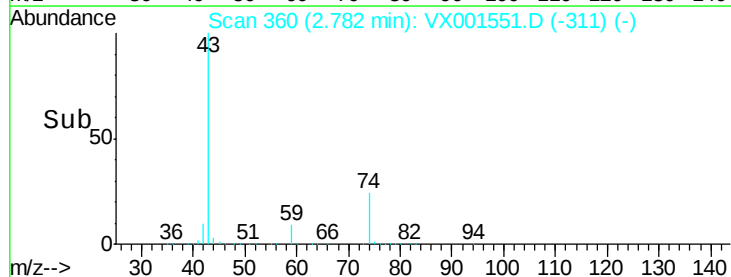
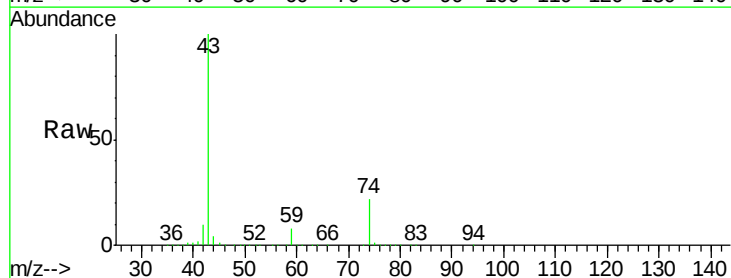
Manual Integrations
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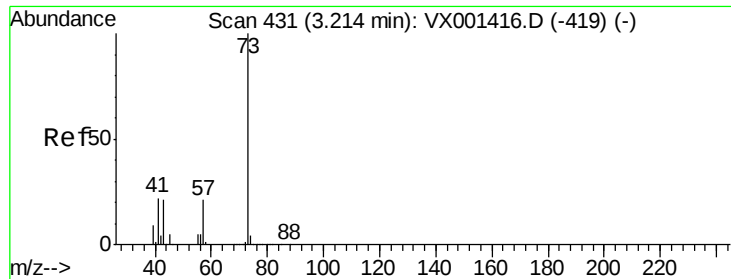
MMDadoda
5/10/2018 1:11:30 PM



#18
Methyl Acetate
Concen: 57.15 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.6	27.8





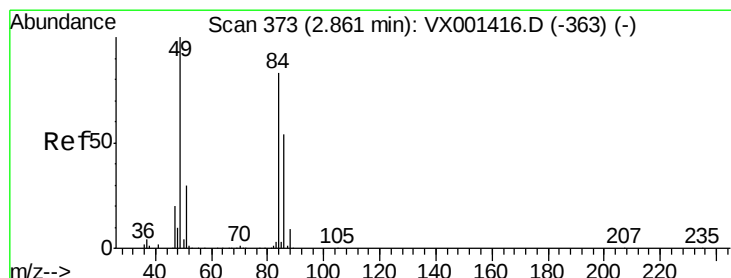
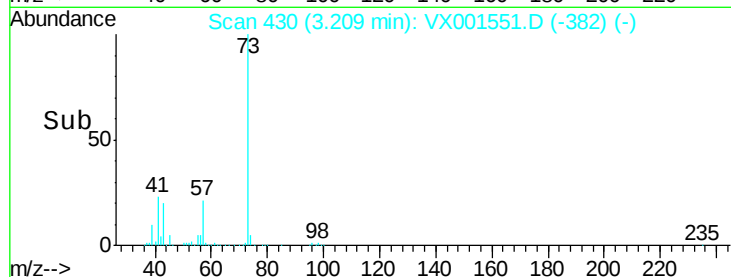
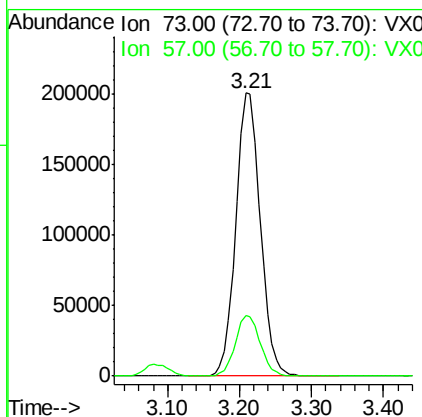
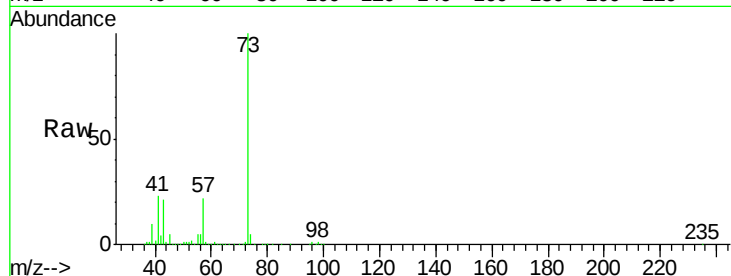
#19
Methyl tert-butyl Ether
Concen: 53.77 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.6

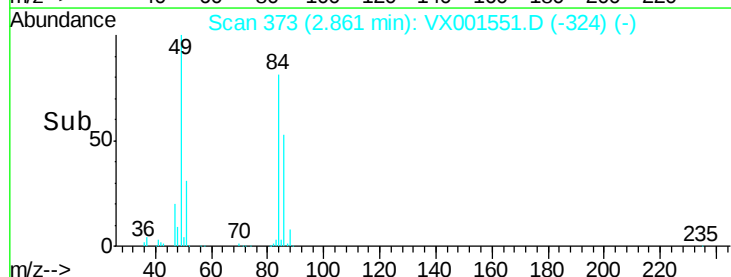
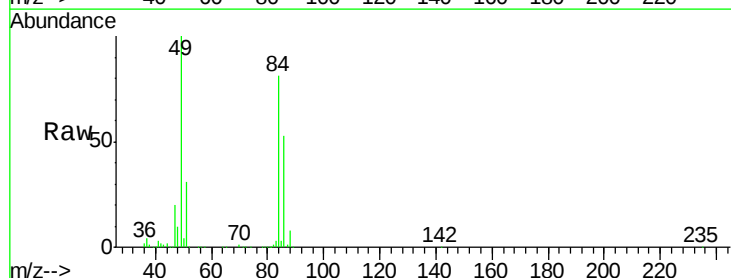
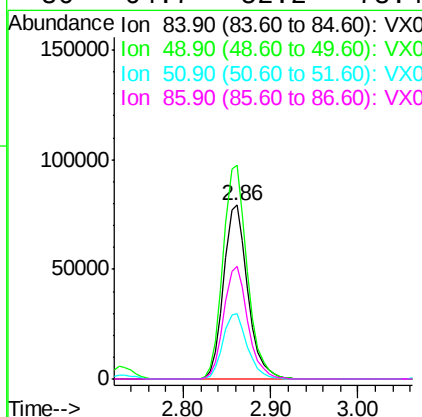
Manual Integrations
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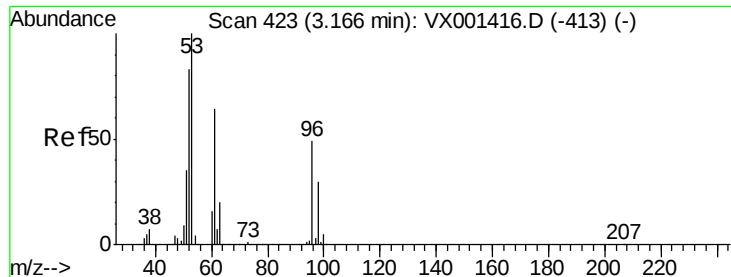
MMDadoda
5/10/2018 1:11:30 PM



#20
Methylene Chloride
Concen: 51.36 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.0	96.6	144.8
51	37.7	29.0	43.4
86	64.7	52.2	78.4





#21

trans-1,2-Dichloroethene

Concen: 50.76 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

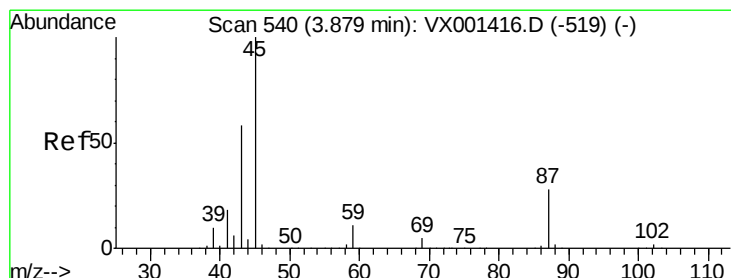
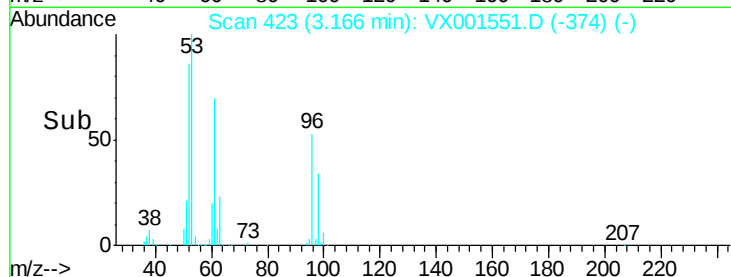
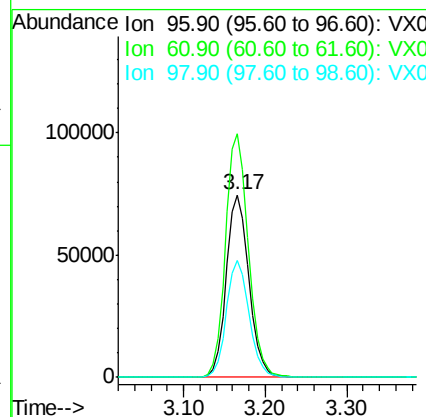
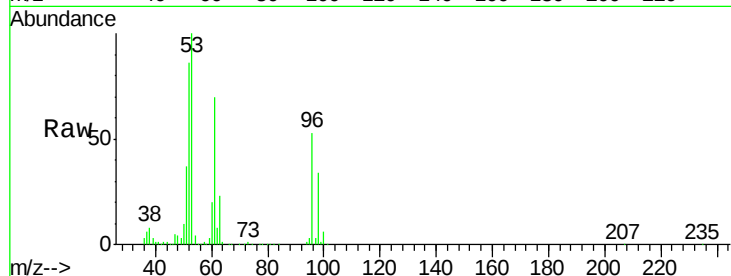
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	143207
Ion	Ratio	Lower	Upper
96	100		
61	133.4	105.0	157.4
98	63.8	49.9	74.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.75 ug/l

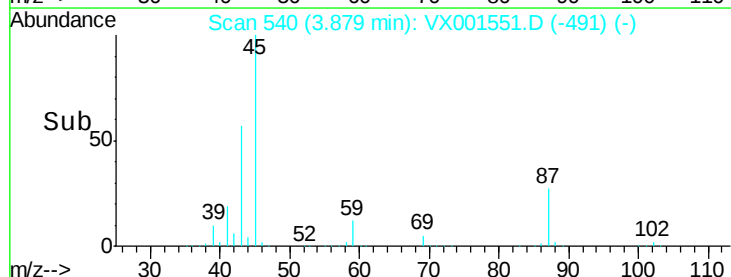
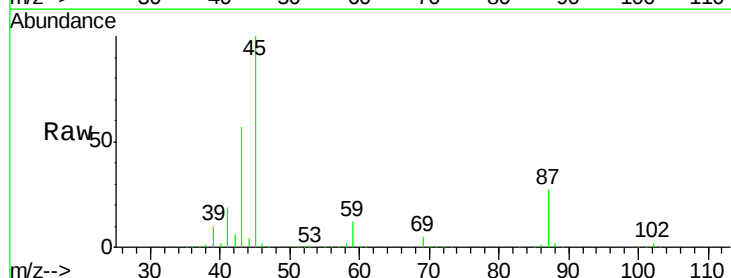
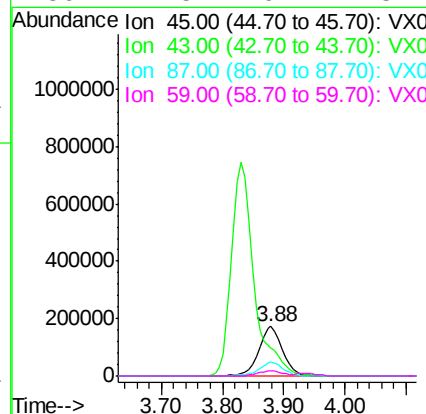
RT: 3.88 min Scan# 540

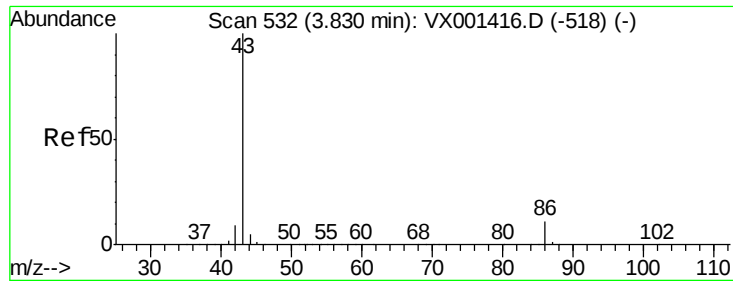
Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion:	45	Resp:	473340
Ion	Ratio	Lower	Upper
45	100		
43	57.1	46.5	69.7
87	27.4	22.6	34.0
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 259.77 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1906614

Ion Ratio Lower Upper

43 100

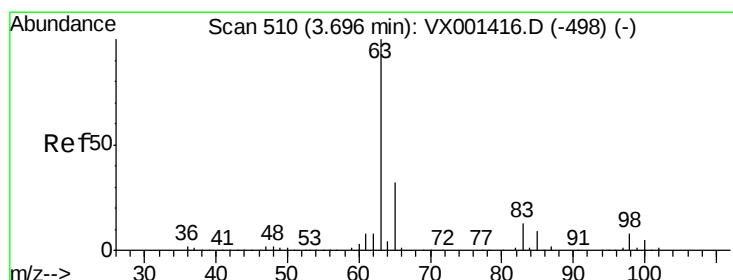
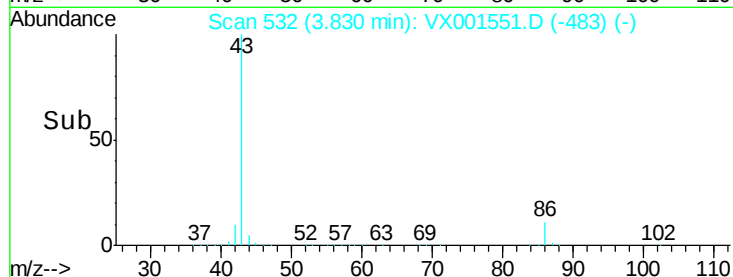
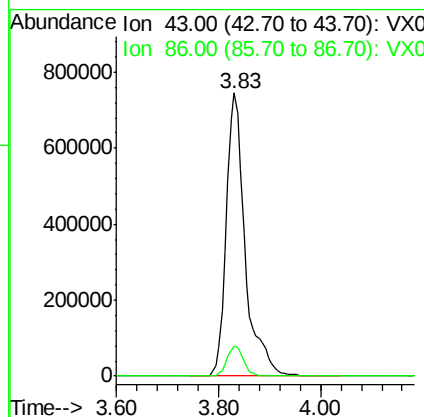
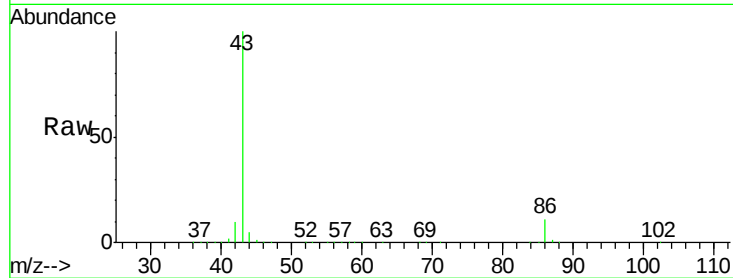
86 10.8 8.6 13.0

Manual Integrations

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MMDadoda

5/10/2018 1:11:30 PM



#24

1,1-Dichloroethane

Concen: 49.69 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

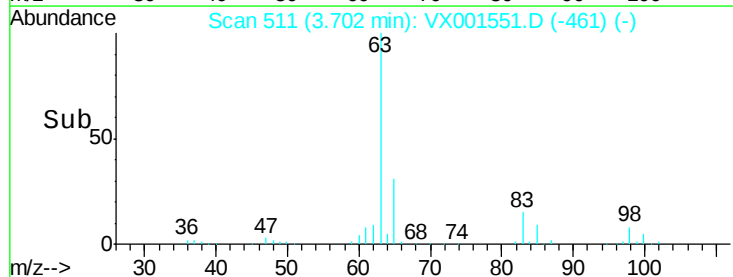
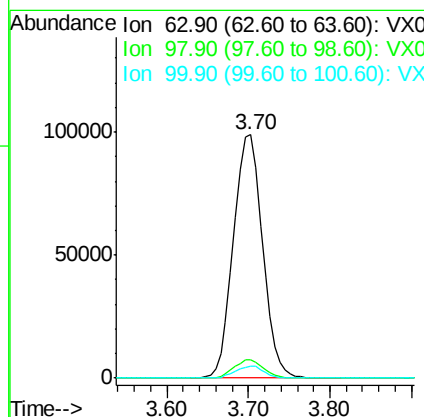
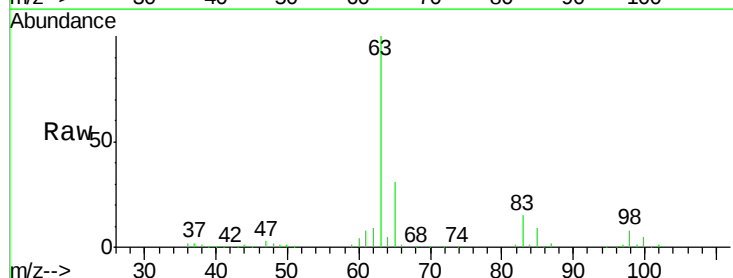
Tgt Ion: 63 Resp: 244441

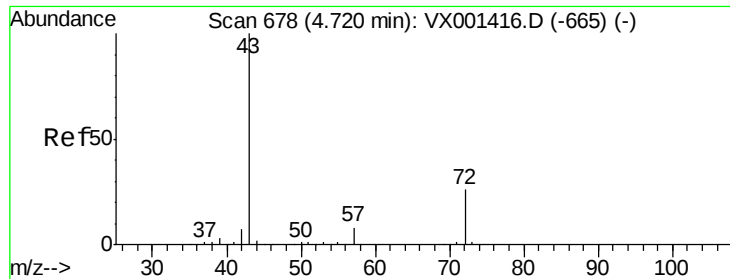
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 260.33 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 561105

Ion Ratio Lower Upper

43 100

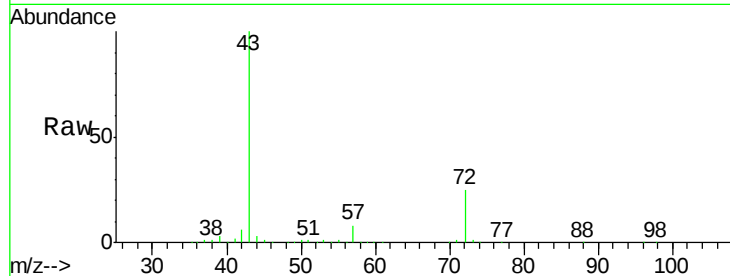
72 25.1 20.7 31.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

200000

150000

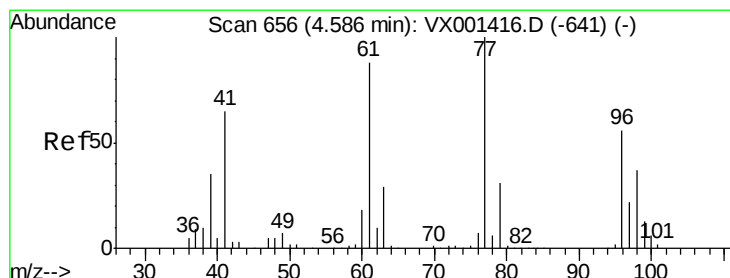
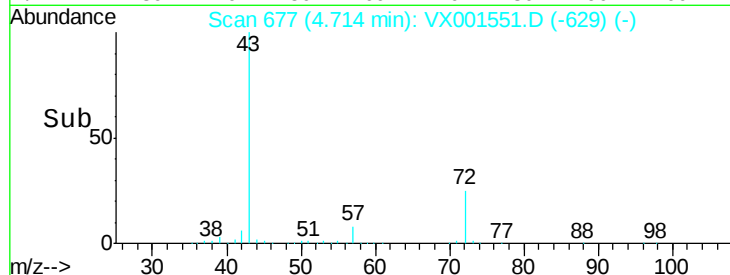
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 28.42 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001551.D

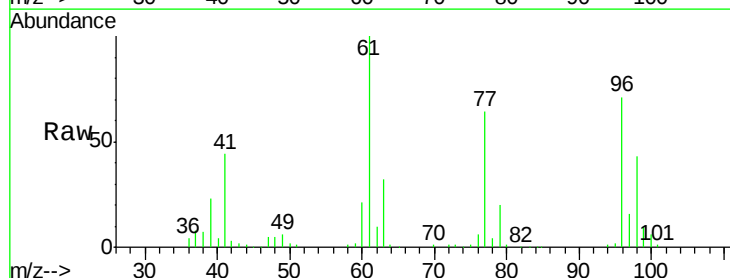
Acq: 09 May 2018 08:41

Tgt Ion: 77 Resp: 107959

Ion Ratio Lower Upper

77 100

97 25.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

40000

30000

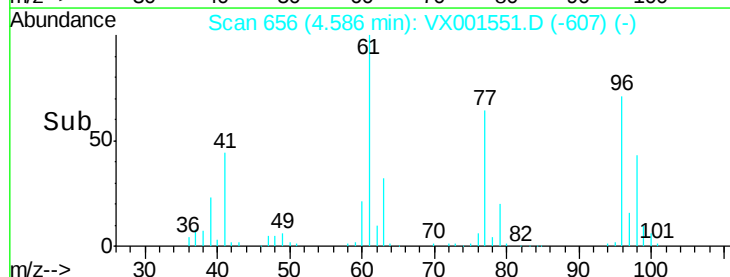
20000

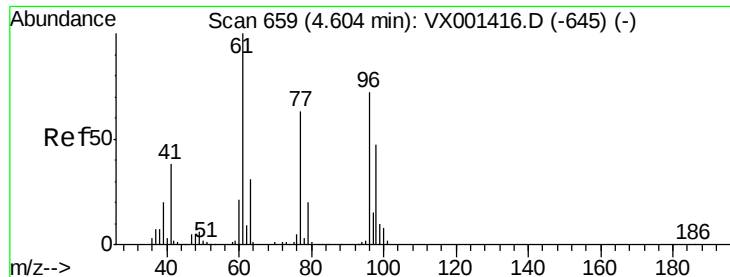
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

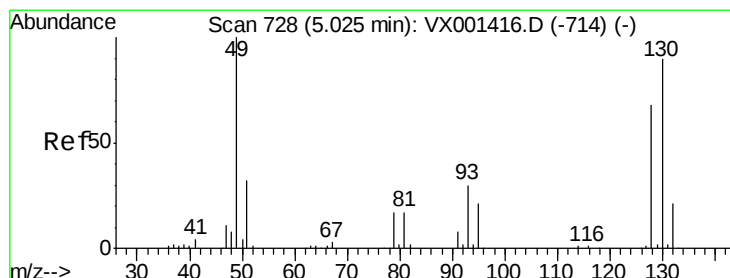
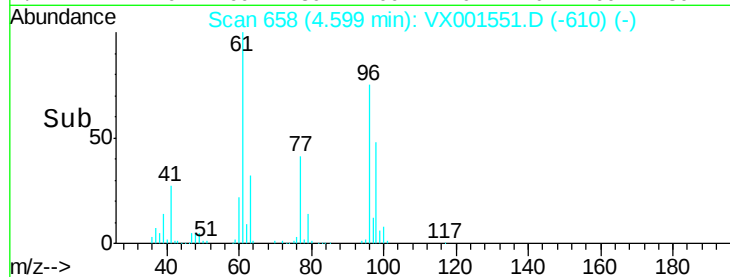
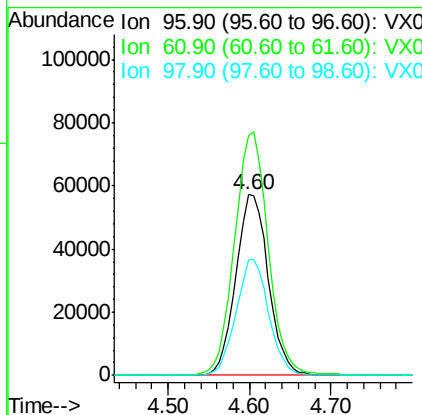
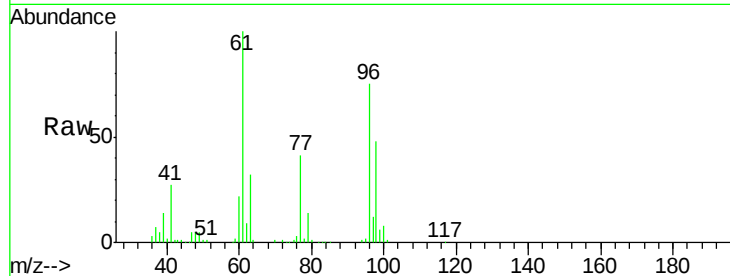
cis-1,2-Dichloroethene
 Concen: 52.57 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157960		
61	140.0	0.0	301.6	
98	64.4	0.0	131.6	

Manual Integrations
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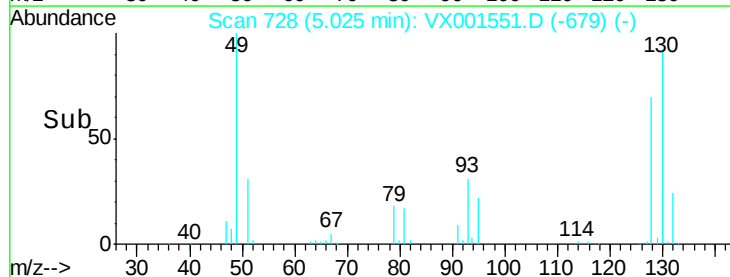
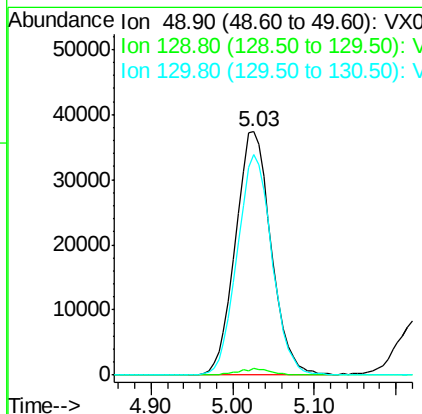
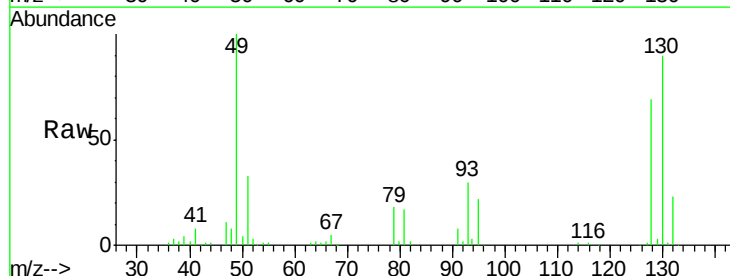
MMDadoda
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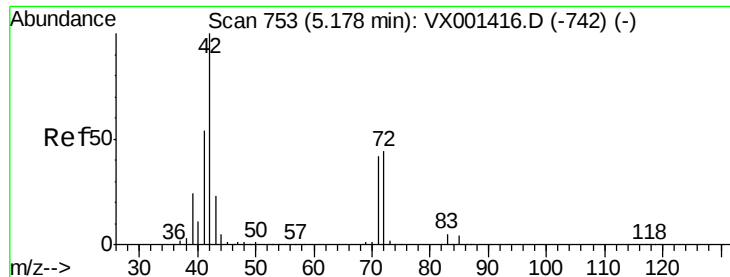


#28

Bromochloromethane
 Concen: 53.26 ug/l
 RT: 5.03 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113601		
129	2.5	0.0	4.8	
130	88.0	71.9	107.9	





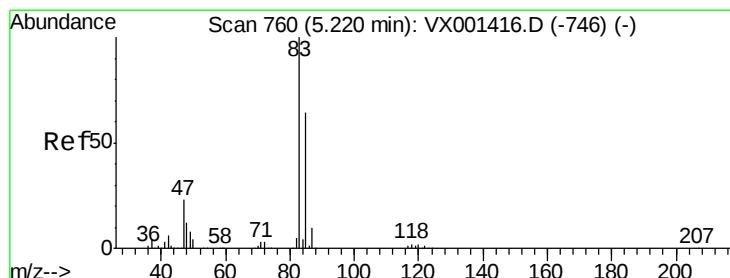
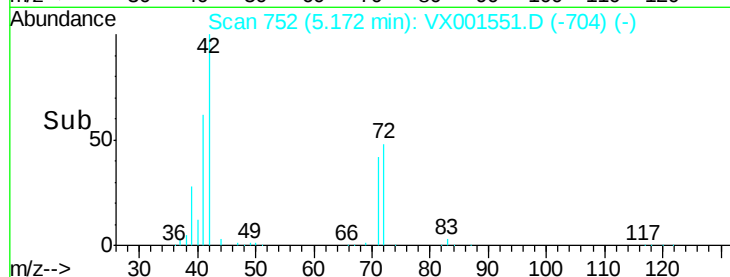
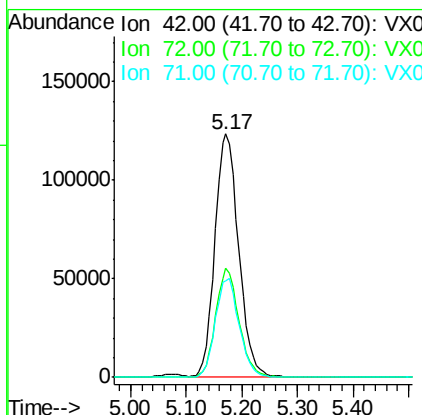
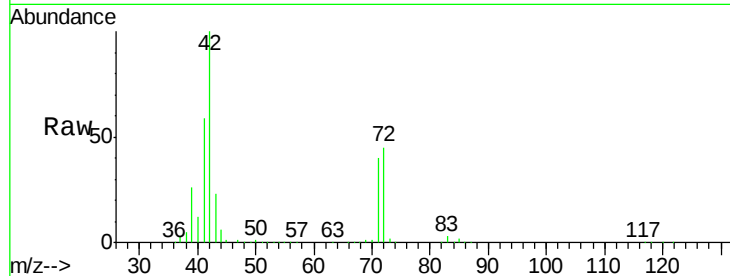
#29
Tetrahydrofuran
Concen: 264.70 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.4	53.2
71	40.8	33.0	49.4

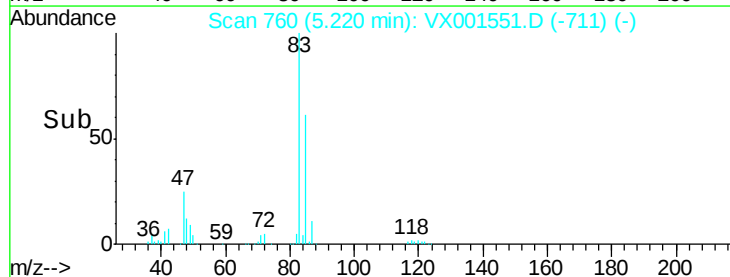
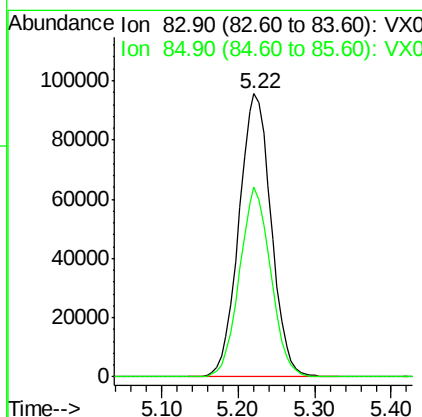
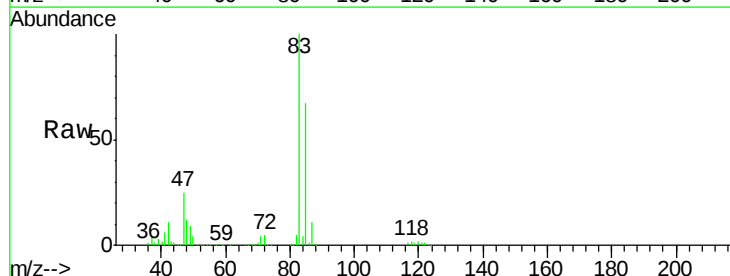
Manual Integrations
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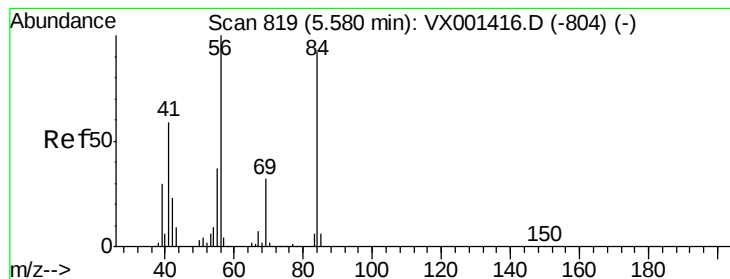
MMDadoda
5/10/2018 1:11:30 PM



#30
Chloroform
Concen: 55.20 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.0	76.4





#31

Cyclohexane

Concen: 52.85 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

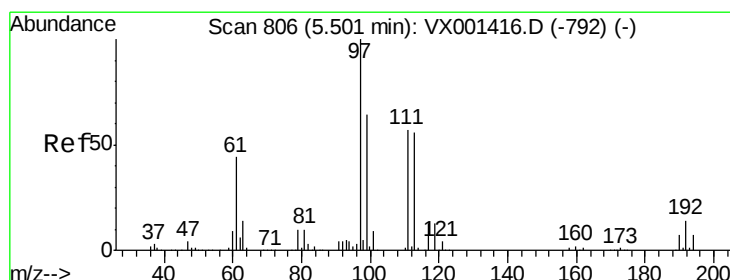
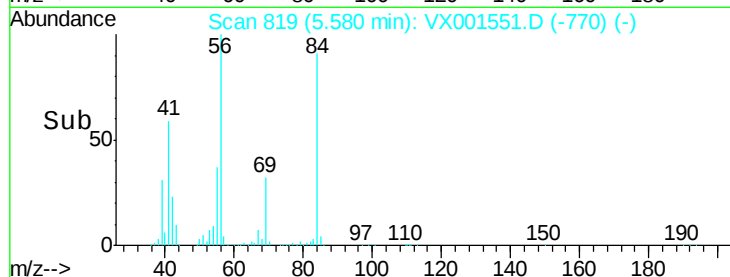
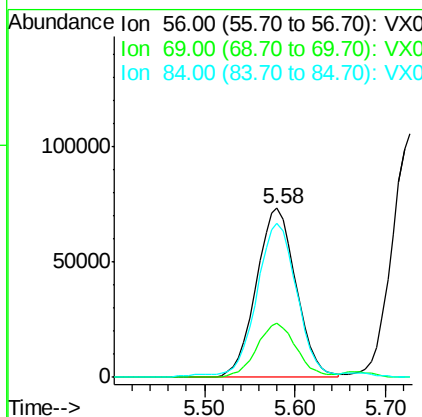
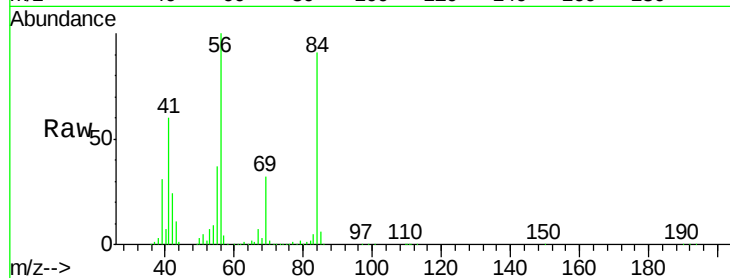
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	223296
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	89.9	73.8	110.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 56.11 ug/l

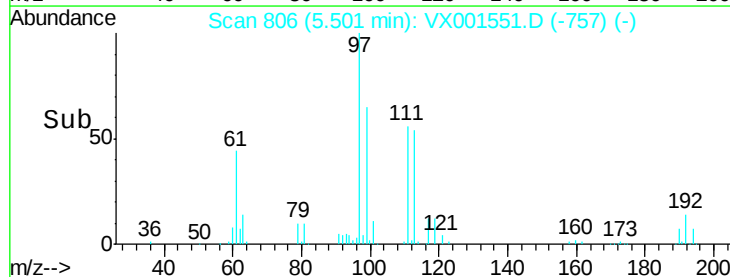
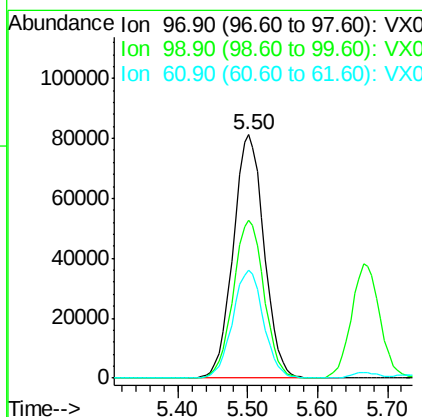
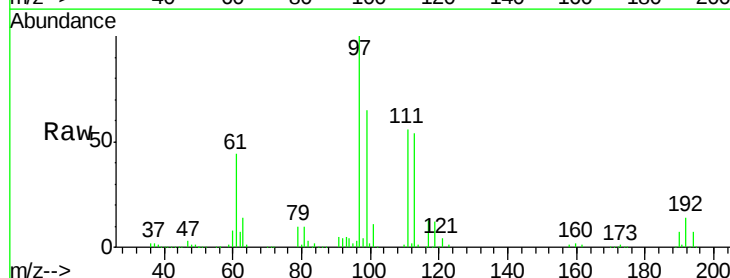
RT: 5.50 min Scan# 806

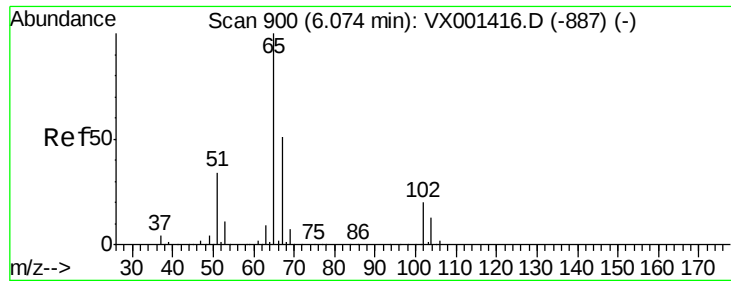
Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion:	97	Resp:	248526
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	44.5	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 51.24 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tot Ion: 65 Resp: 168267

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8

Instrument :

MSVOA_X

ClientSampleId :

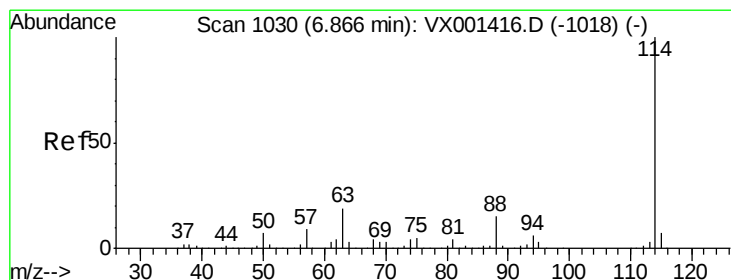
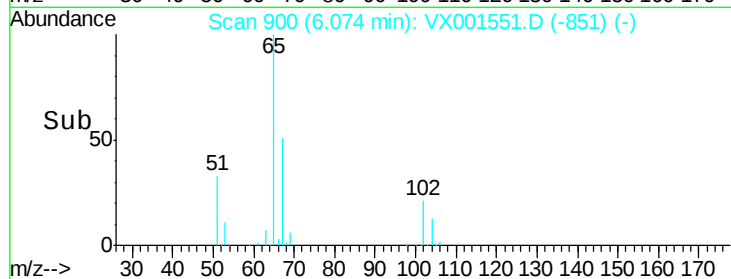
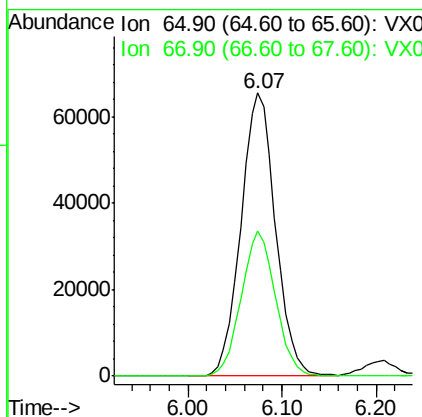
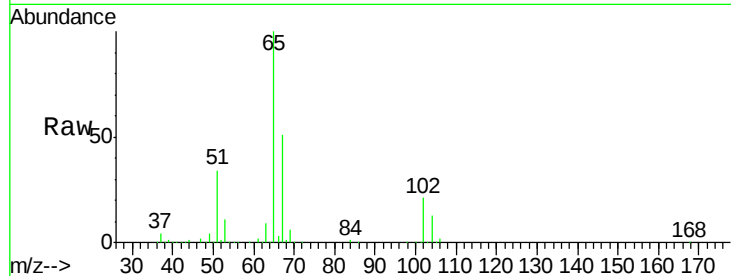
VSTDCCC050EC

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

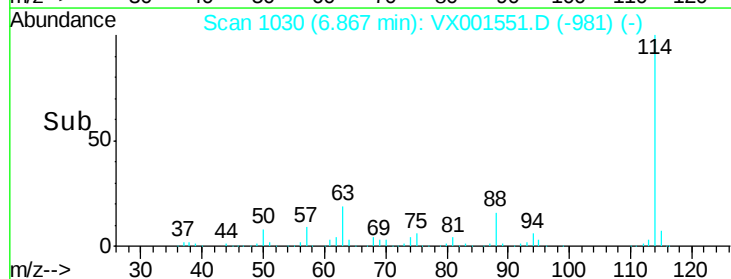
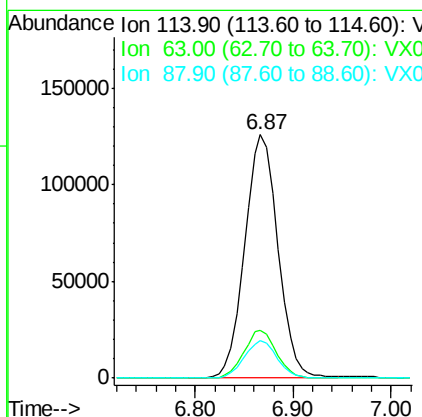
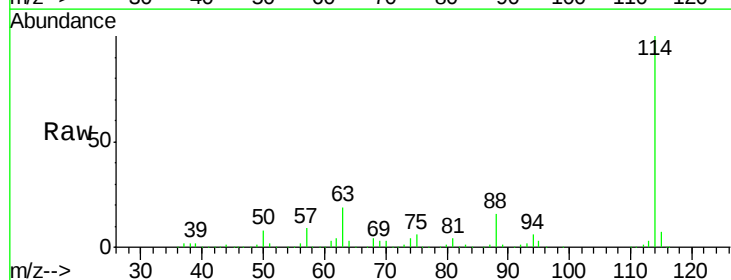
Tgt Ion: 114 Resp: 296713

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

88 15.6 0.0 30.8





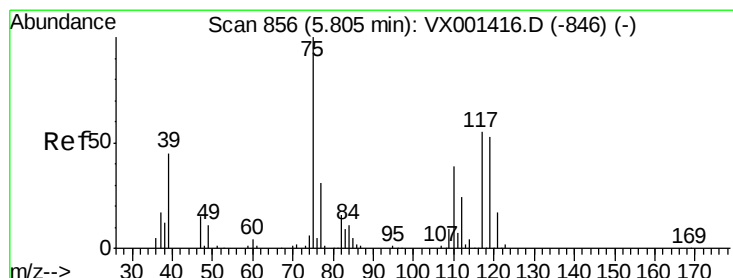
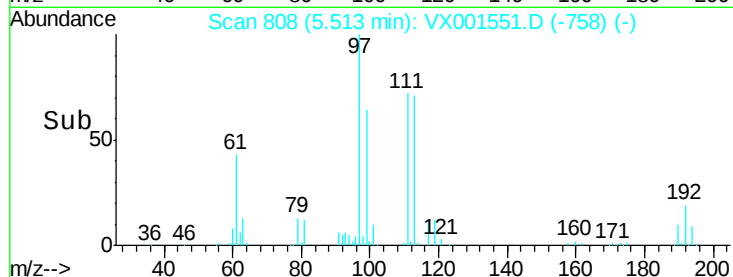
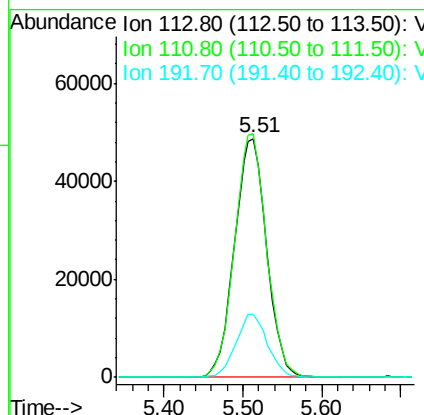
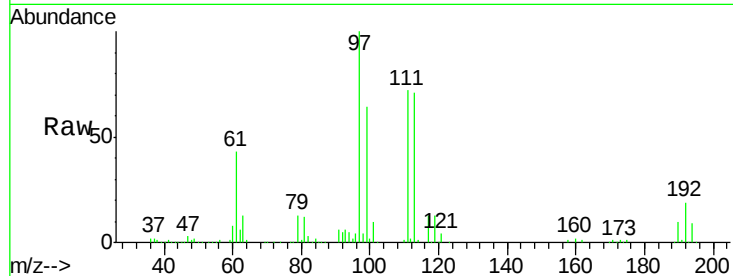
#35
 Dibromofluoromethane
 Concen: 52.30 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138023		
111	101.5	82.2	123.2	
192	26.0	21.4	32.0	

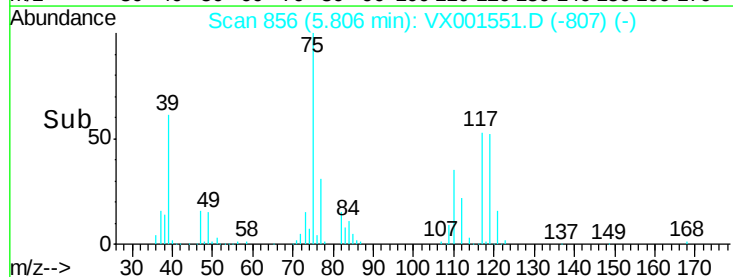
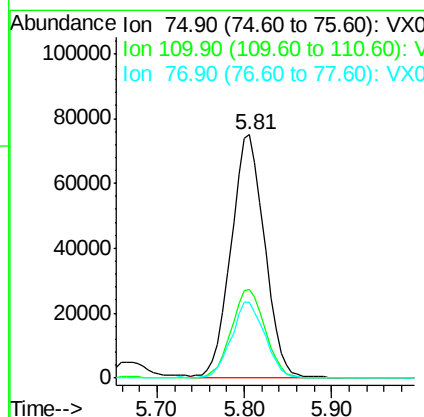
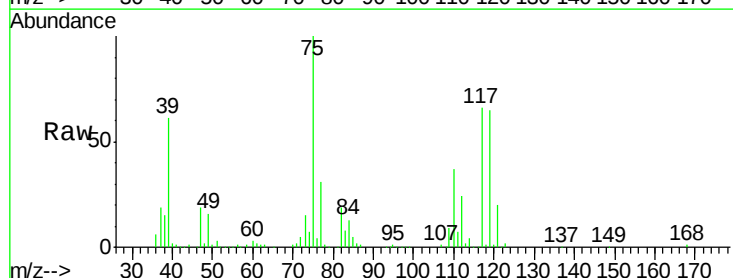
Manual Integrations
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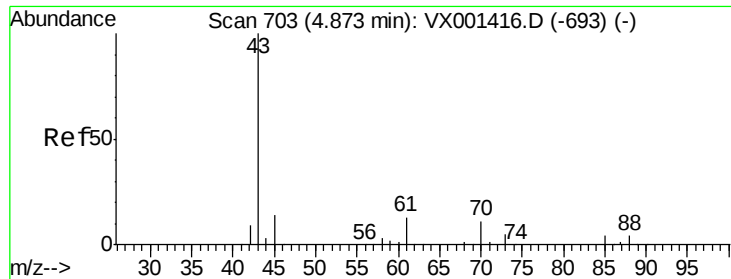
MMDadoda
 5/10/2018 1:11:30 PM



#36
 1,1-Dichloropropene
 Concen: 52.77 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199154		
110	37.0	18.9	56.7	
77	31.5	24.9	37.3	





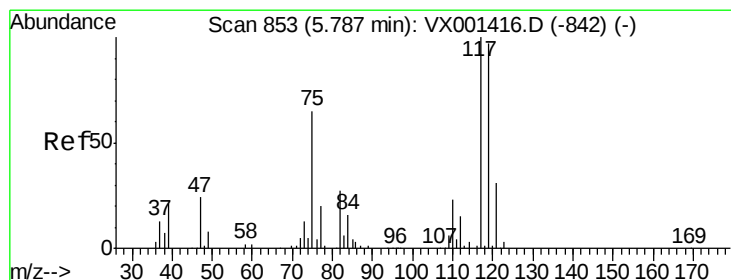
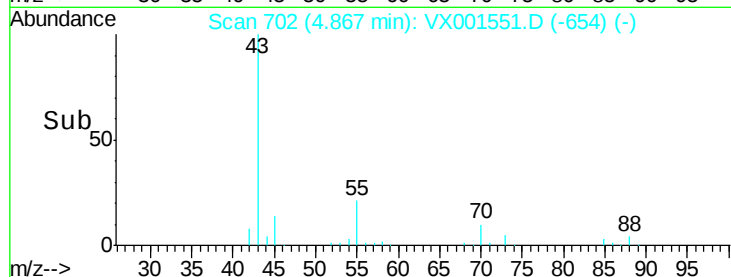
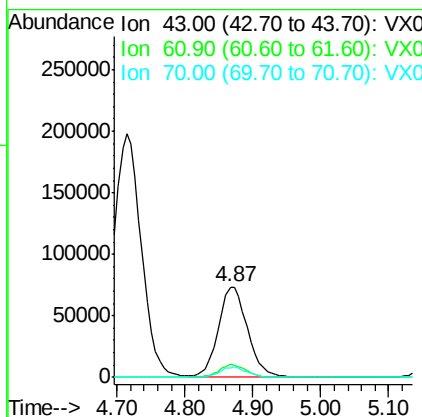
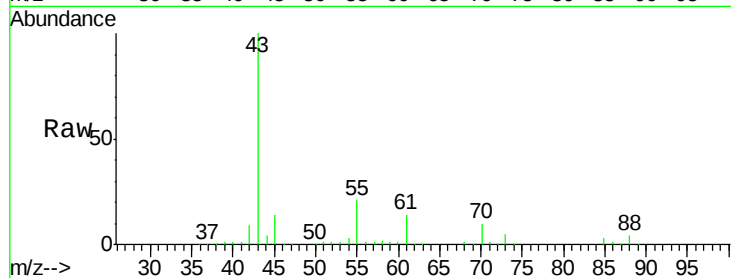
#37
Ethyl Acetate
Concen: 52.46 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.7	16.1
70	10.7	8.4	12.6

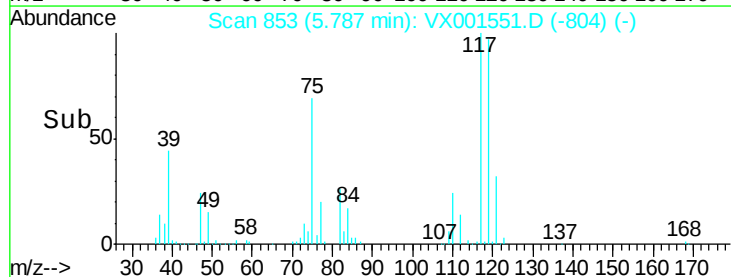
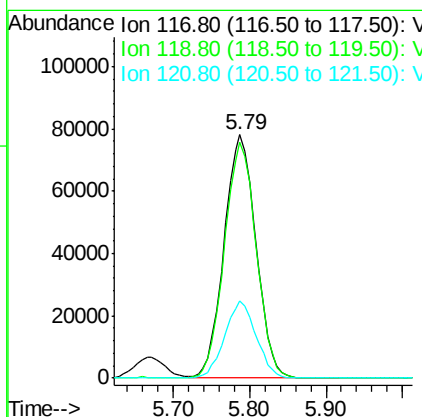
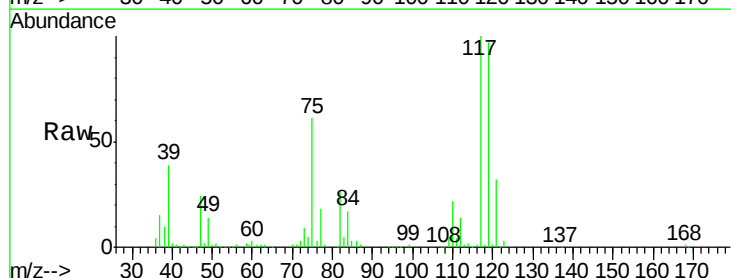
Manual Integrations
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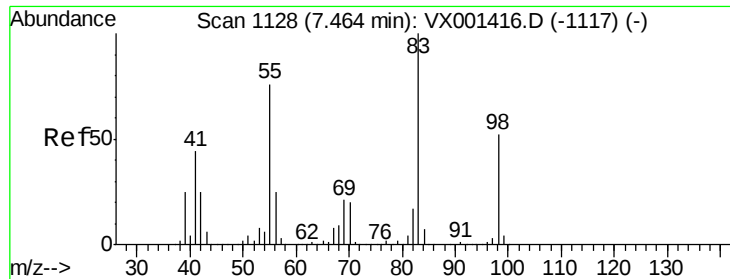
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#38
Carbon Tetrachloride
Concen: 55.86 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
121	31.7	25.1	37.7





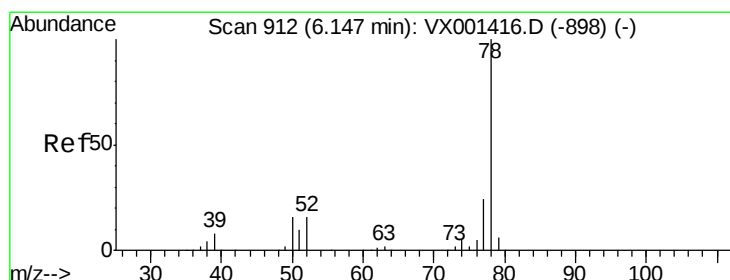
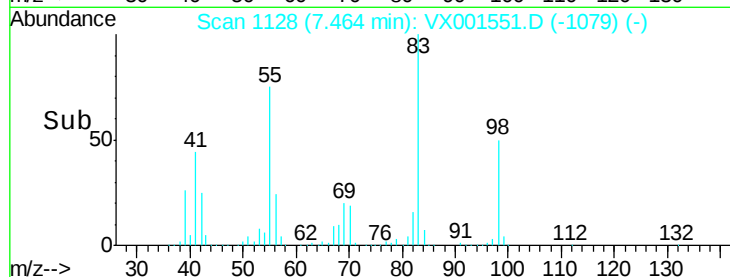
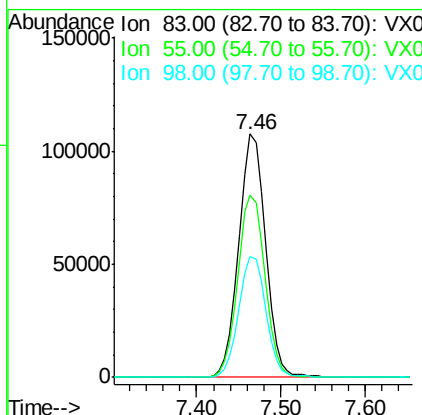
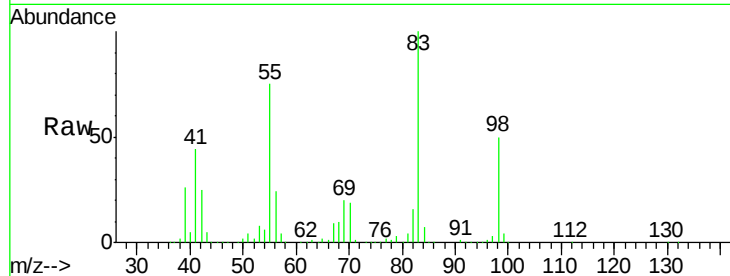
#39
Methvlcvclohexane
Concen: 51.78 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	231043		
55	74.9	60.9	91.3	
98	49.5	41.9	62.9	

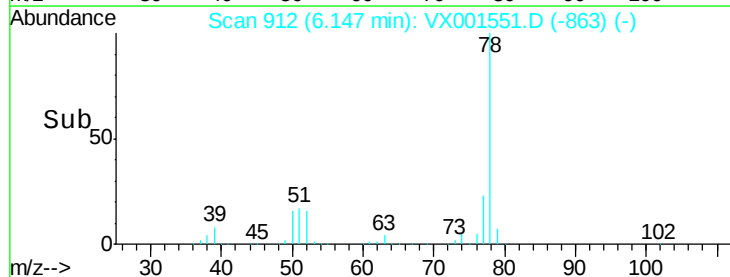
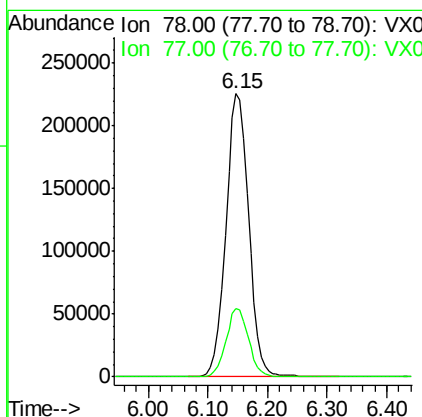
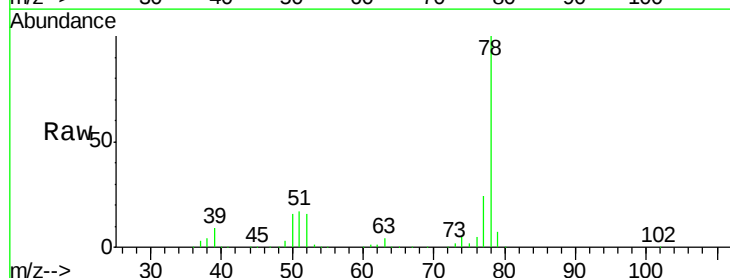
Manual Integrations
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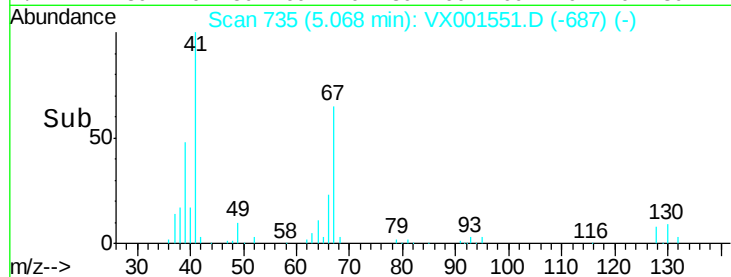
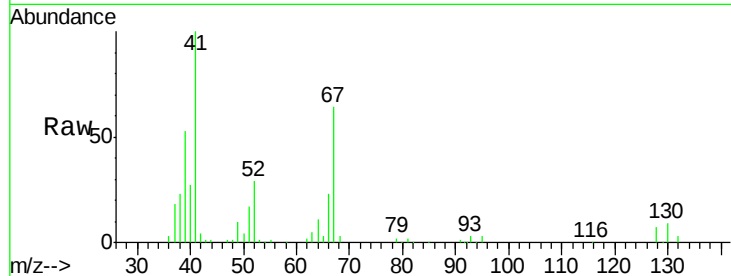
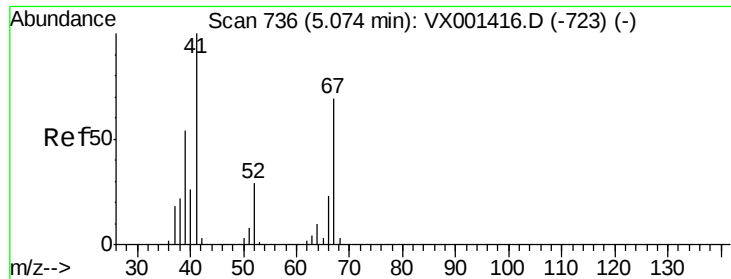
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#40
Benzene
Concen: 54.33 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	598915		
77	24.1	19.4	29.2	





#41

Methacrylonitrile

Concen: 53.06 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		125599		
39	55.8	45.0	67.6		
67	67.6	55.0	82.6		
52	29.4	23.4	35.0		

Instrument :

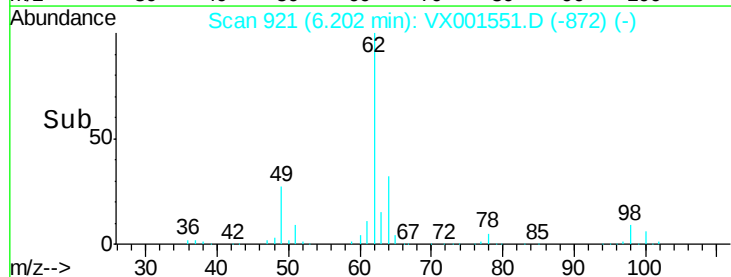
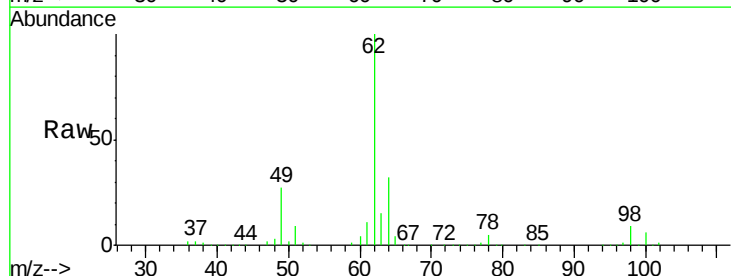
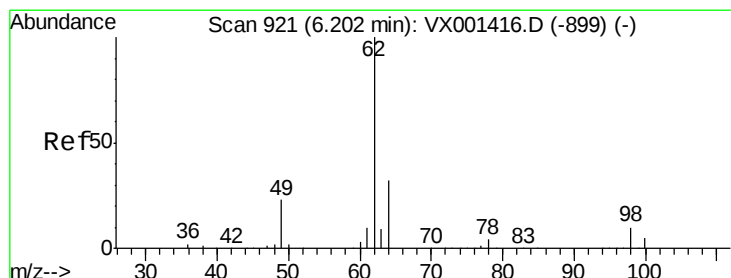
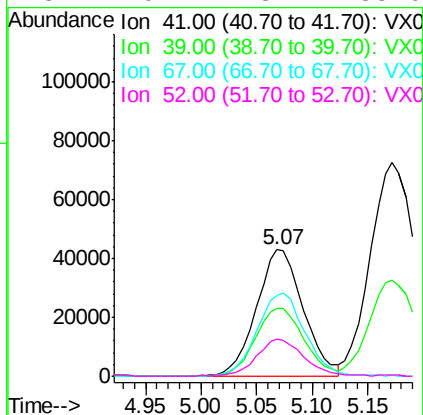
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 55.09 ug/l

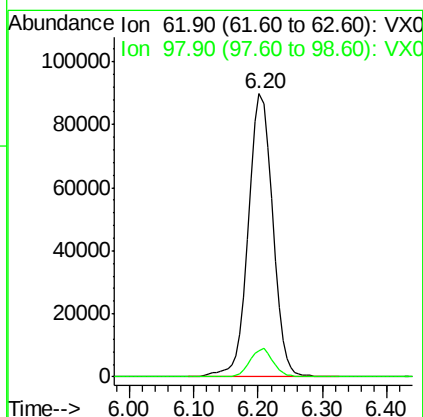
RT: 6.20 min Scan# 921

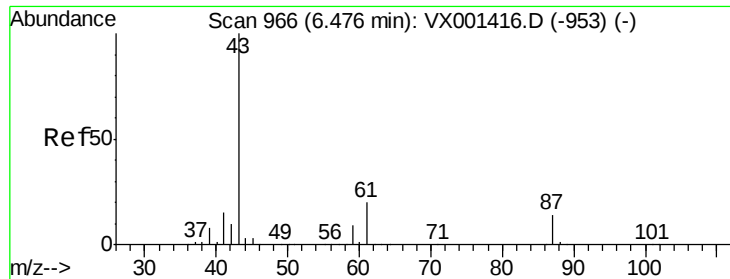
Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		233426		
98	9.4	0.0	19.0		





#43

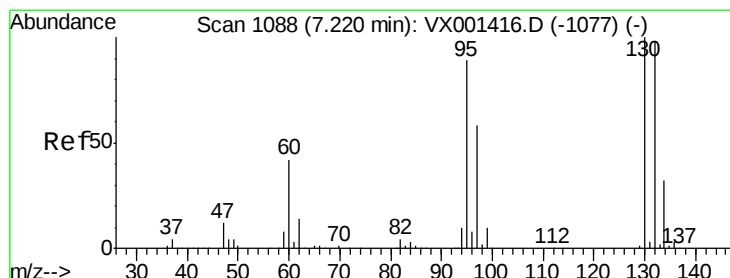
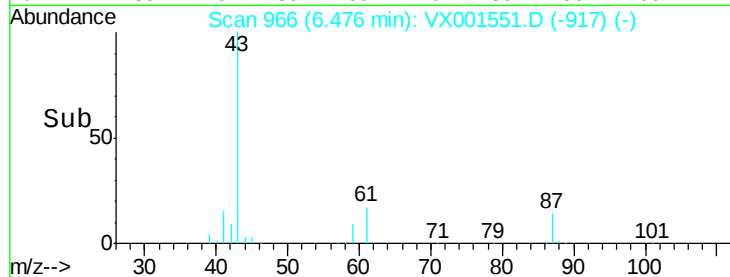
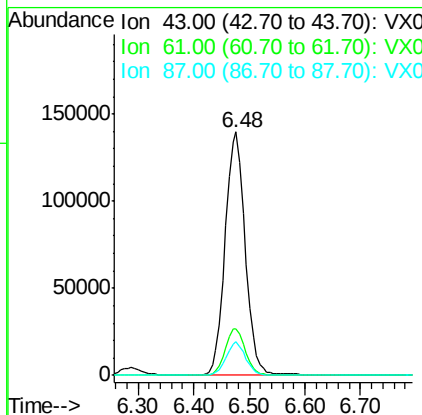
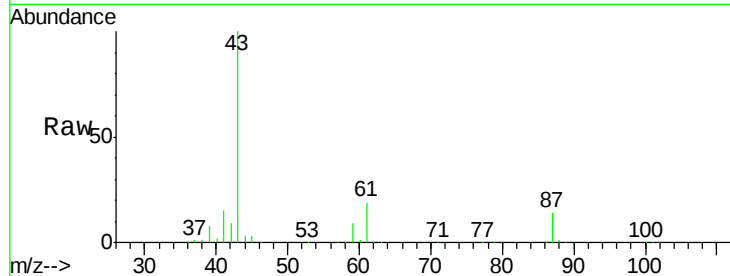
Isopropyl Acetate
 Concen: 54.66 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	13.3	10.8	16.2

Manual Integrations
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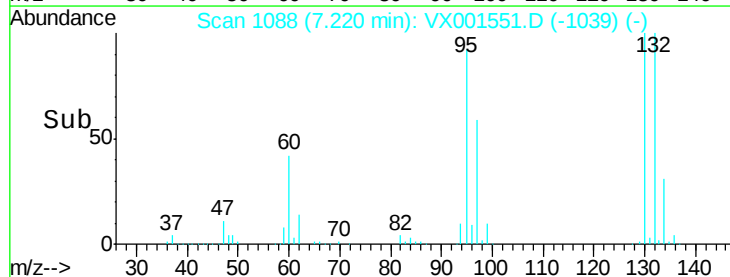
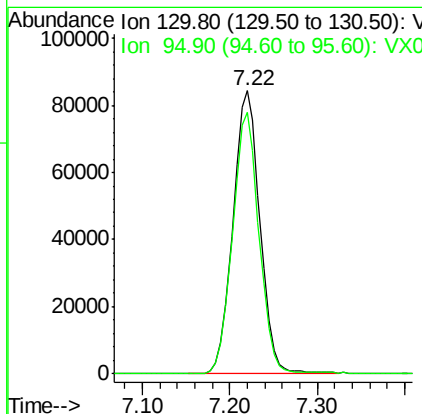
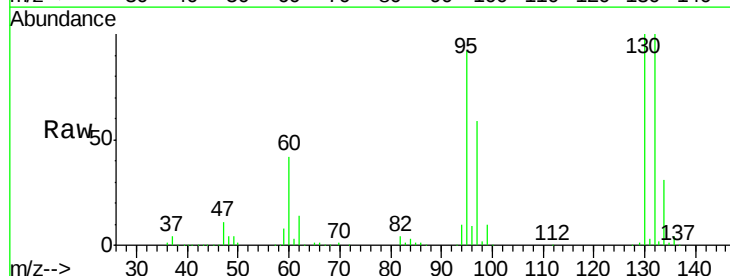
MMDadoda
 5/10/2018 1:11:30 PM

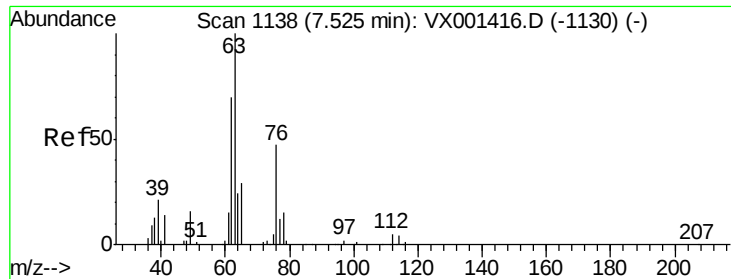


#44

Trichloroethene
 Concen: 53.78 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	178.4





#45

1,2-Dichloropropane

Concen: 55.31 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 152016

Ion Ratio Lower Upper

63 100

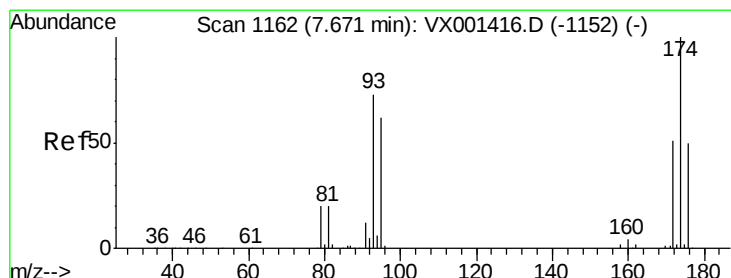
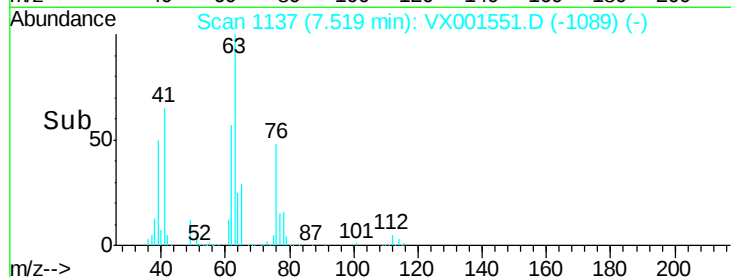
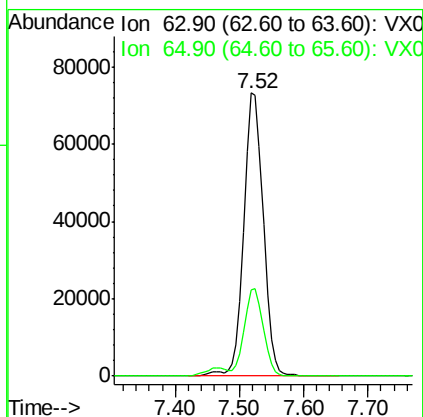
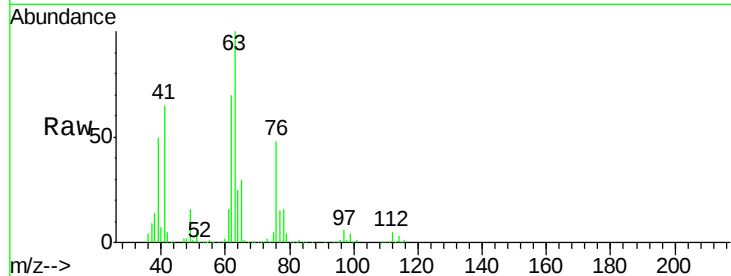
65 30.4 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 54.41 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

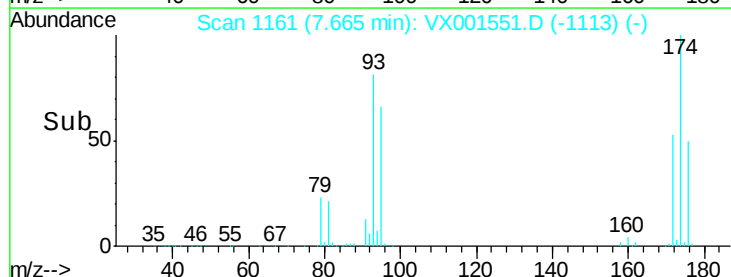
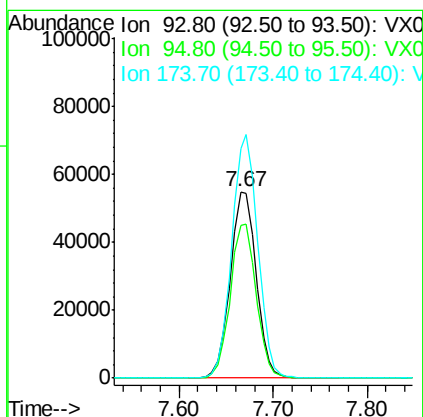
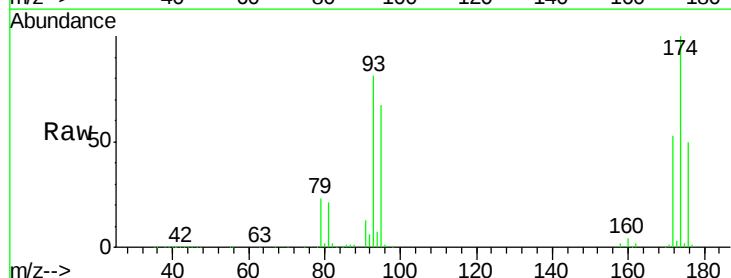
Tgt Ion: 93 Resp: 105864

Ion Ratio Lower Upper

93 100

95 82.8 67.0 100.4

174 129.8 104.5 156.7





#47

Bromodichloromethane

Concen: 57.49 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 207012

Ion Ratio Lower Upper

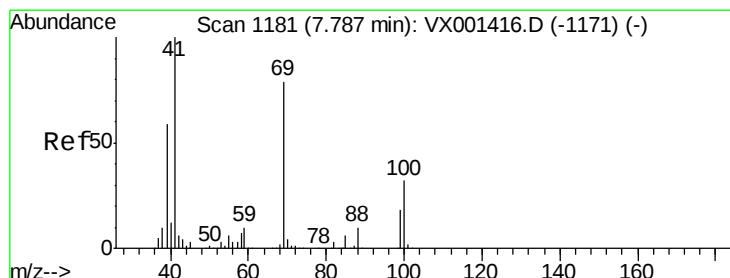
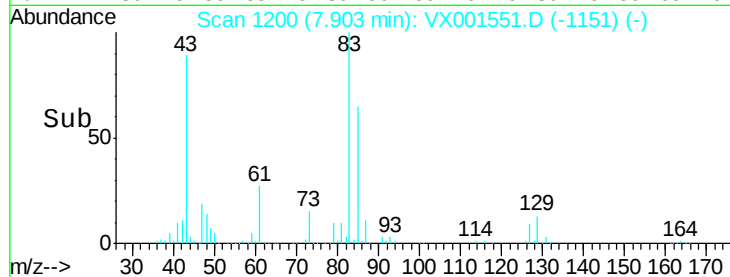
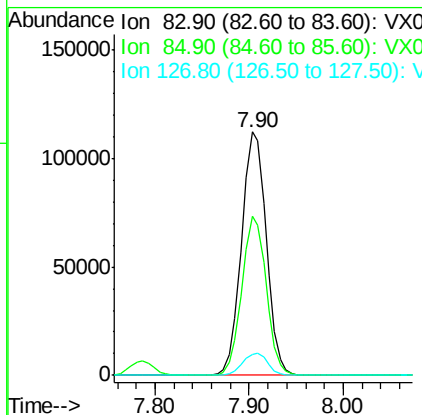
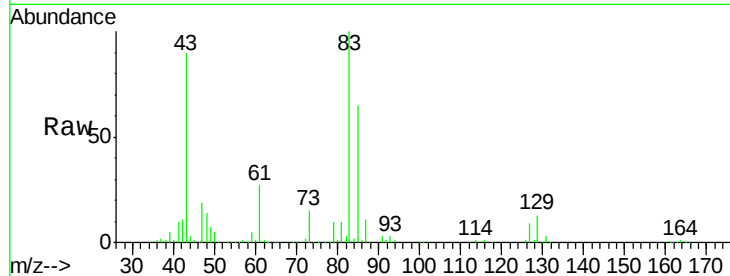
83 100

85 65.2 51.0 76.6

127 8.7 7.4 11.2

Manual Integrations
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5/10/2018 1:11:30 PM



#48

Methyl methacrylate

Concen: 54.43 ug/l

RT: 7.79 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

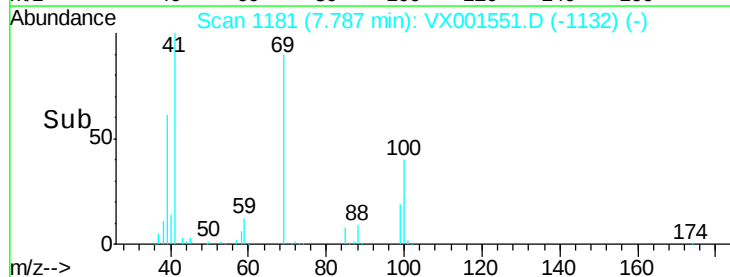
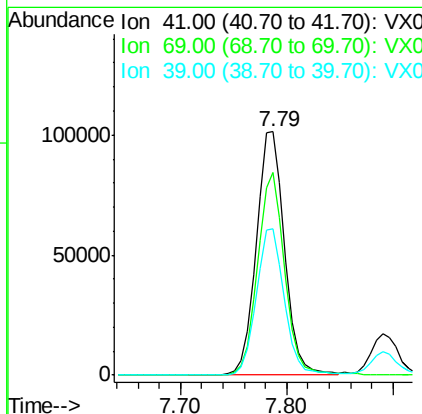
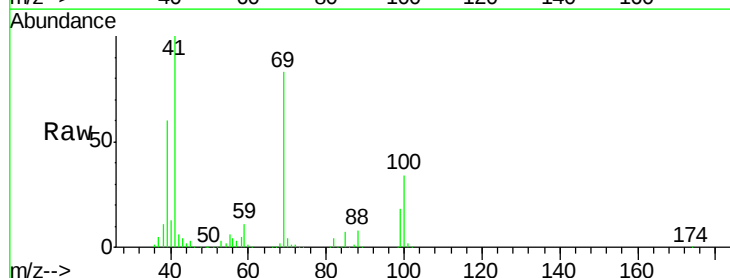
Tgt Ion: 41 Resp: 188238

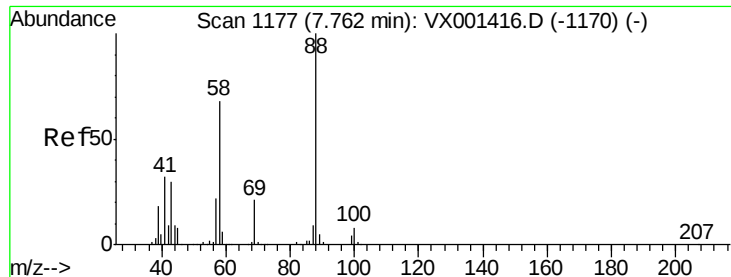
Ion Ratio Lower Upper

41 100

69 80.5 63.4 95.2

39 59.5 47.0 70.4





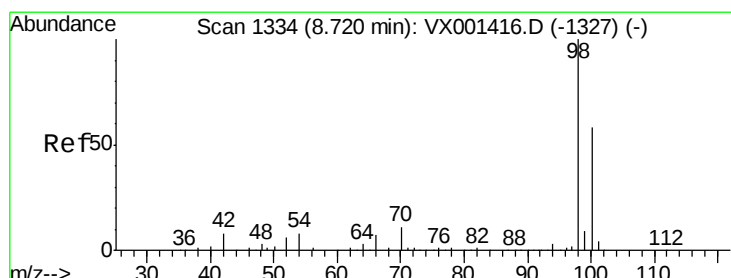
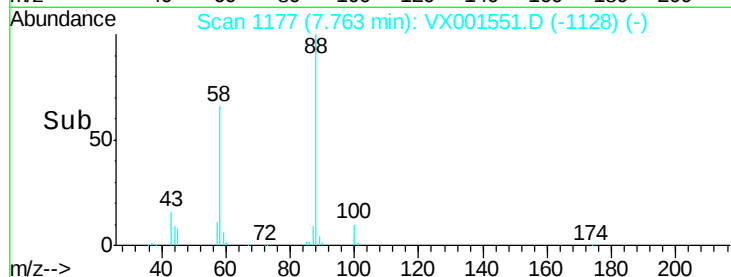
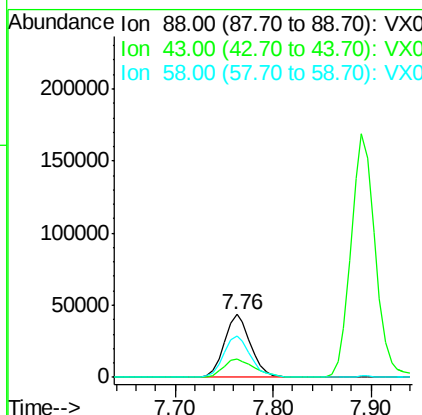
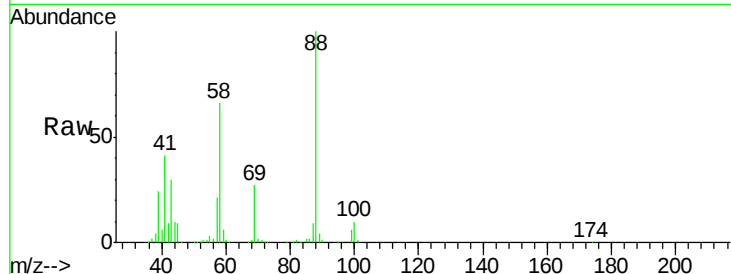
#49
1,4-Dioxane
Concen: 1078.81 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	26.4	39.6
58	68.7	54.1	81.1

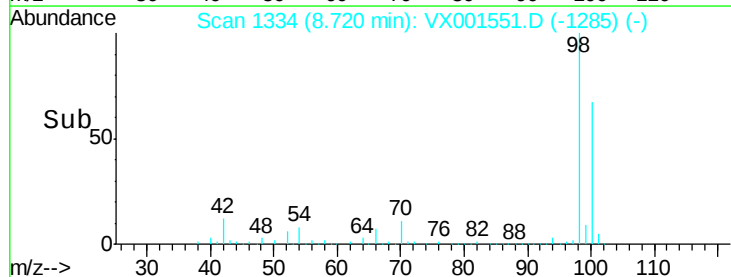
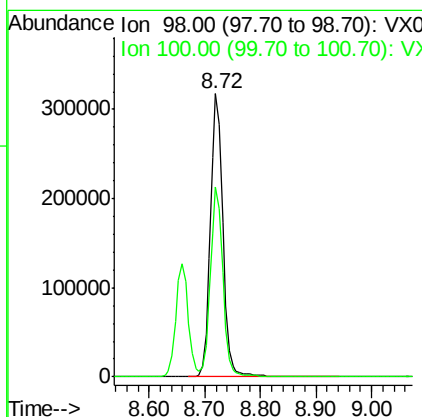
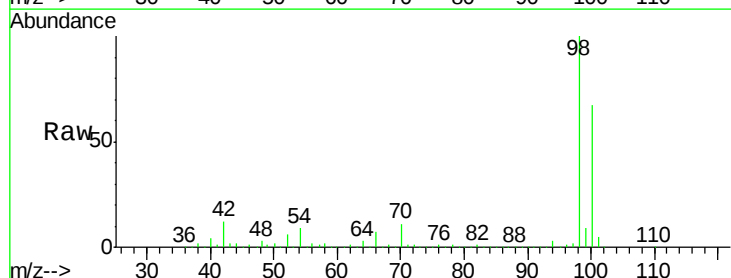
Manual Integrations
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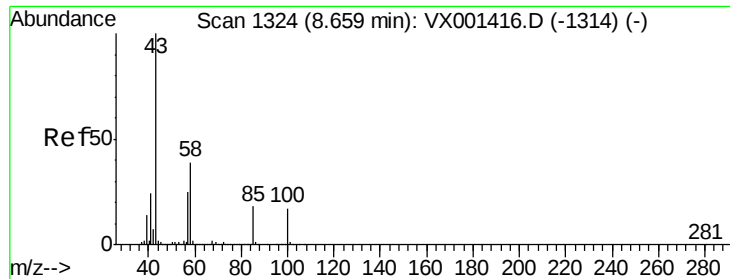
MMDadoda
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#50
Toluene-d8
Concen: 51.99 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 280.29 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1182969

Ion Ratio Lower Upper

43 100

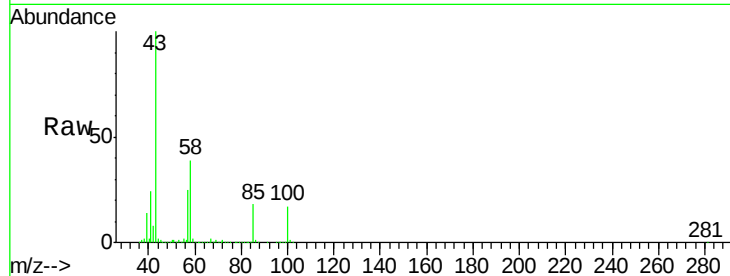
58 38.9 30.8 46.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

800000

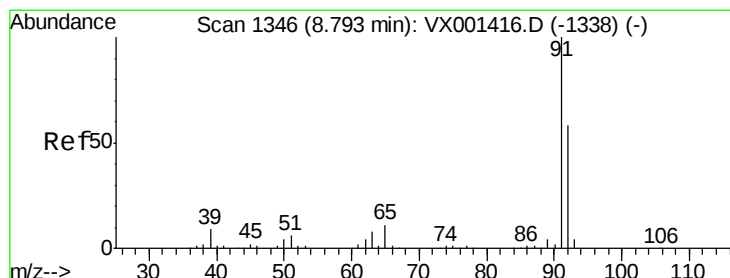
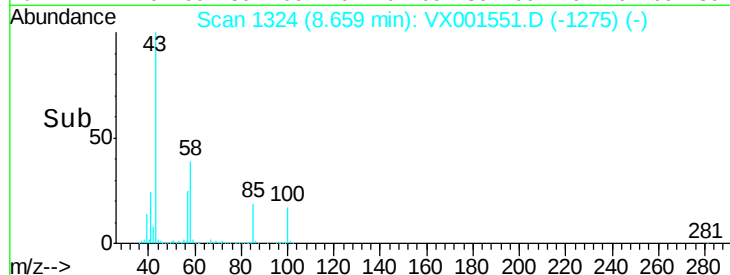
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 55.34 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001551.D

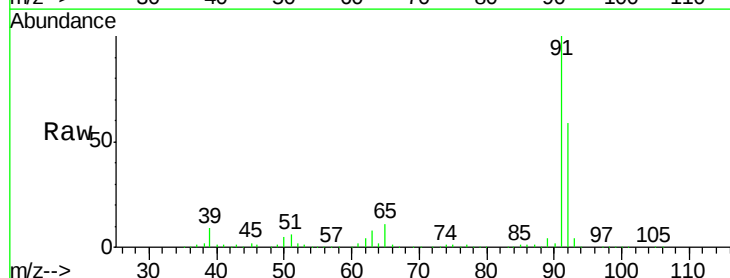
Acq: 09 May 2018 08:41

Tgt Ion: 92 Resp: 398899

Ion Ratio Lower Upper

92 100

91 170.5 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

500000

400000

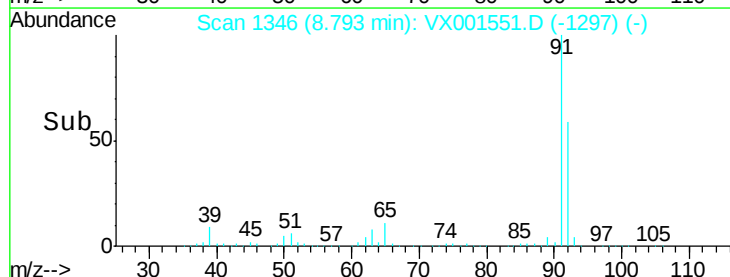
300000

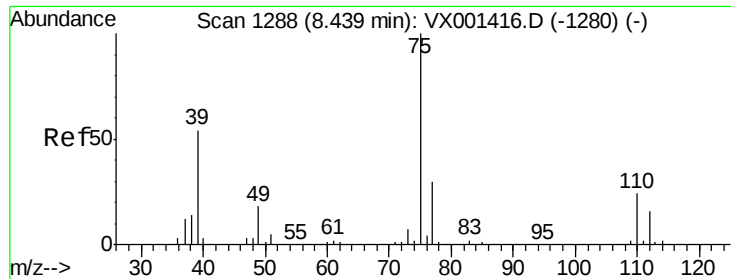
200000

100000

0

Time-->





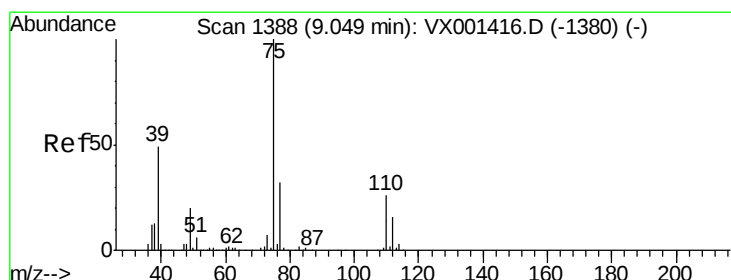
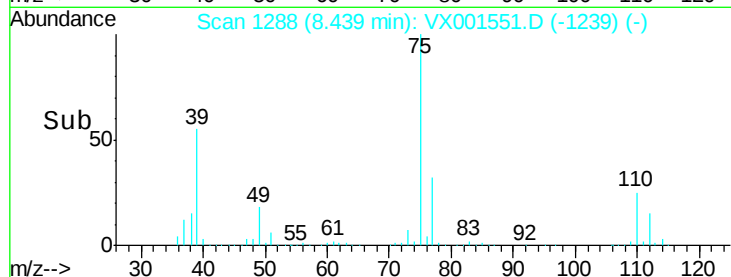
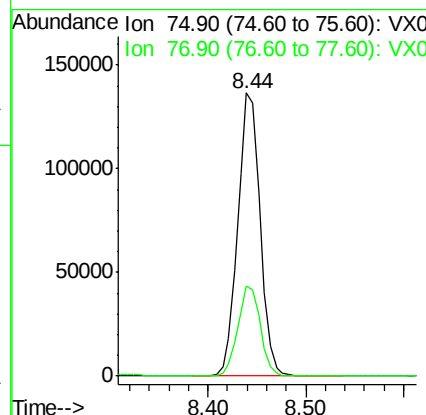
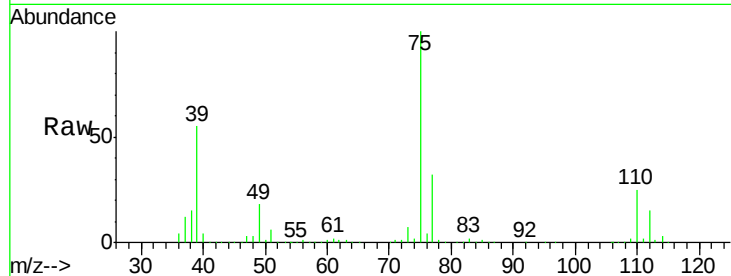
#53
t-1,3-Dichloropropene
Concen: 53.10 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.4

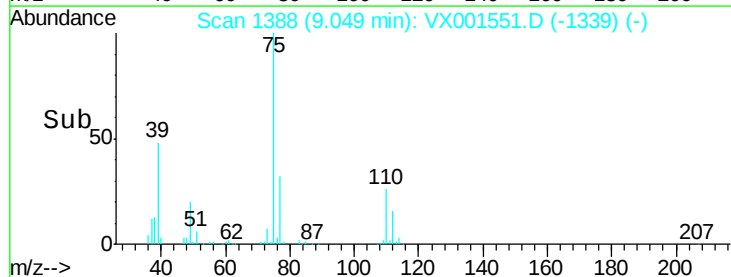
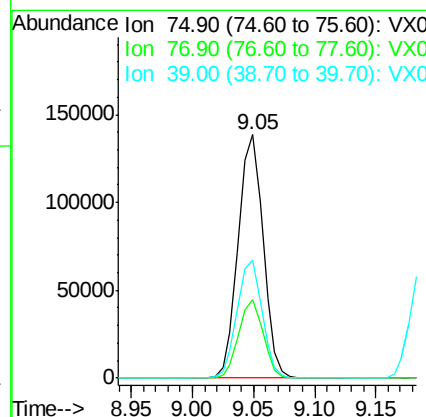
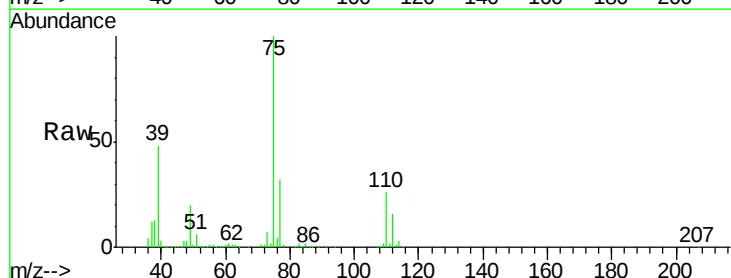
Manual Integrations
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5/10/2018 1:11:30 PM



#54
cis-1,3-Dichloropropene
Concen: 46.66 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3
39	48.3	38.9	58.3





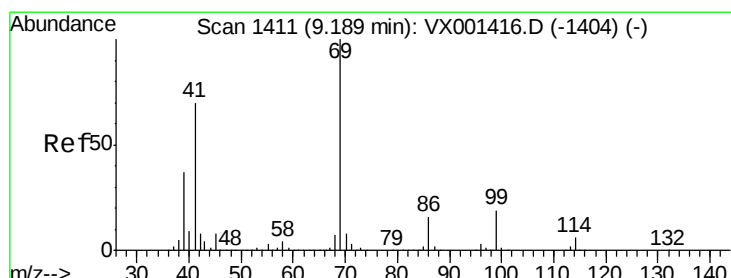
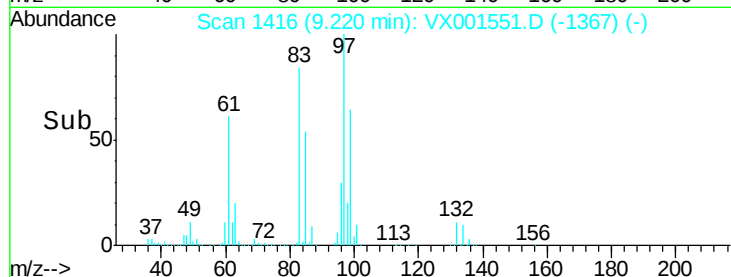
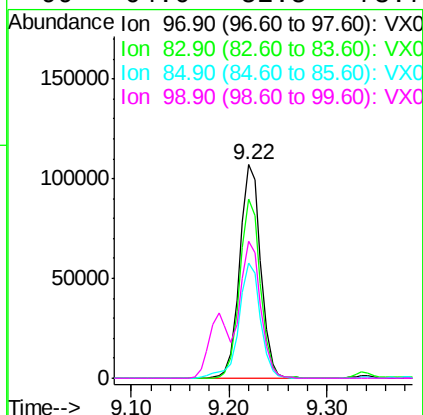
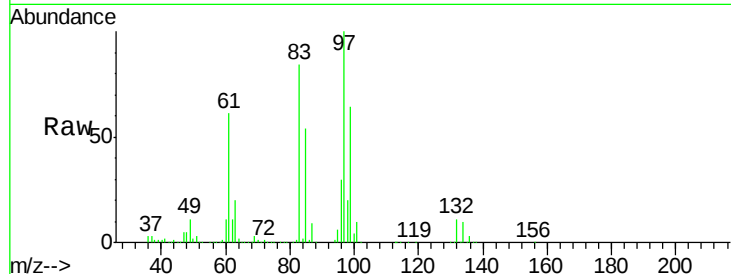
#55
 1,1,2-Trichloroethane
 Concen: 54.89 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	159395
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.4	101.0
85	54.1	43.3	64.9
99	64.0	52.5	78.7

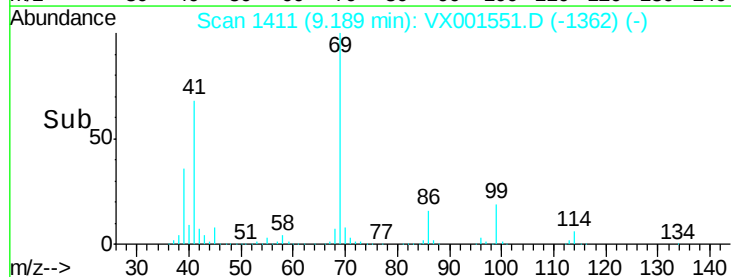
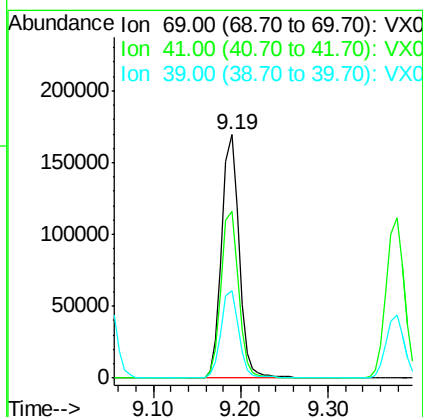
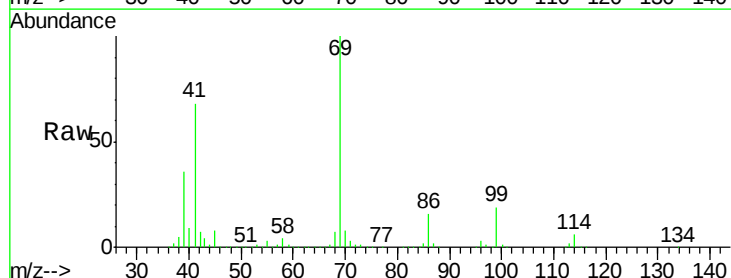
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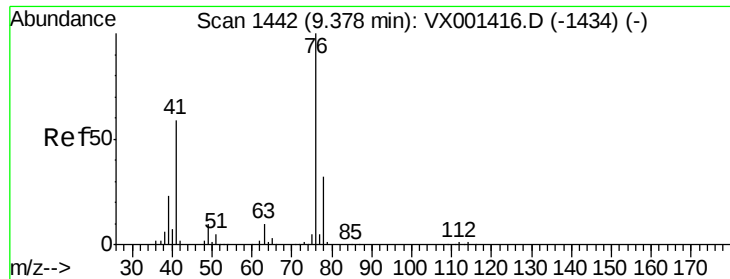
MMDadoda
 5/10/2018 1:11:30 PM



#56
 Ethyl methacrylate
 Concen: 55.88 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Tgt Ion:	69	Resp:	233939
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.1	82.7
39	36.5	29.9	44.9





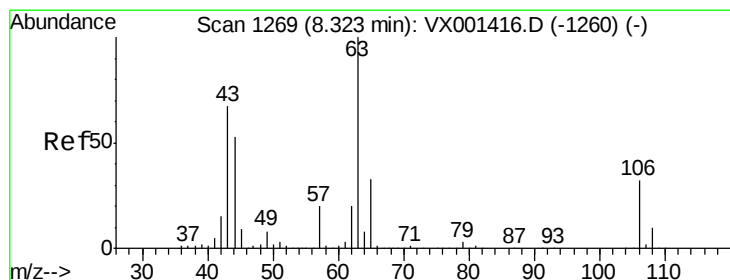
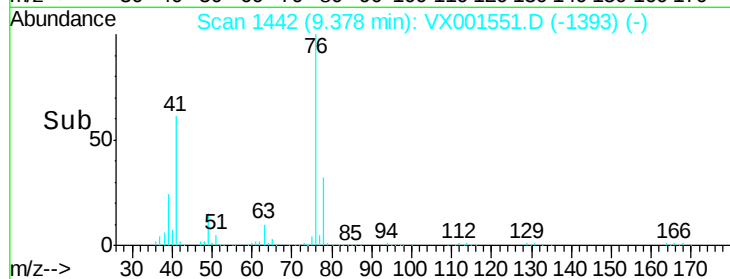
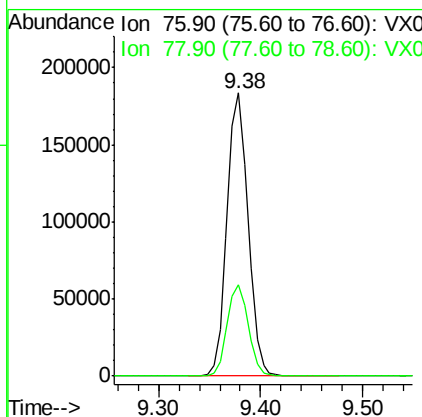
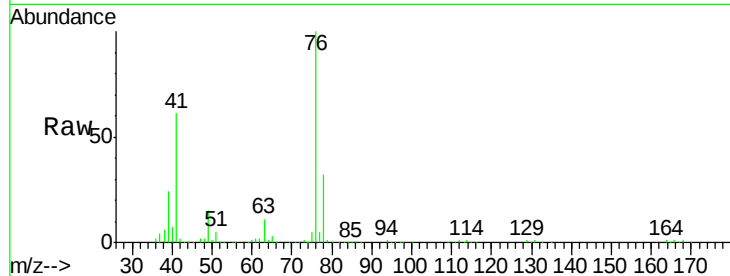
#57
 1,3-Dichloropropane
 Concen: 54.55 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

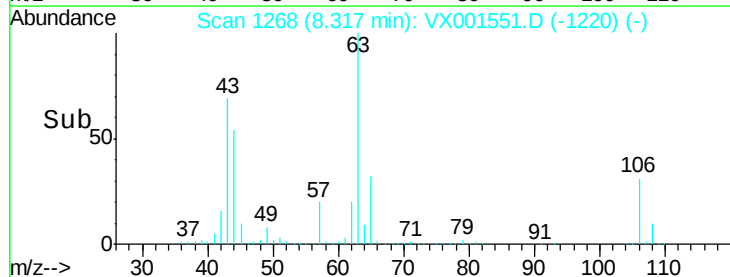
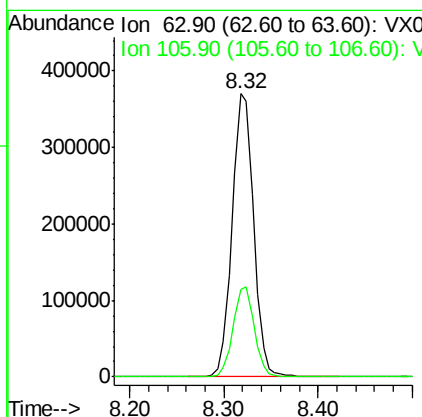
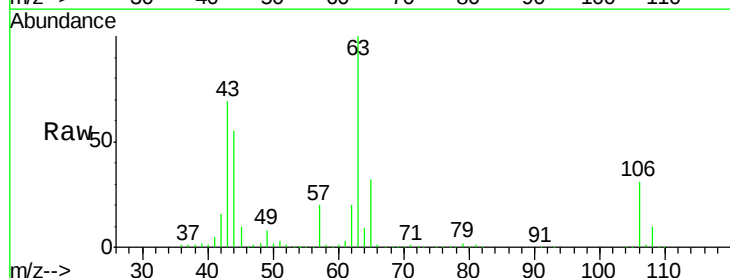
Manual Integrations
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MMDadoda
 5/10/2018 1:11:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.02 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.5	25.4	38.0





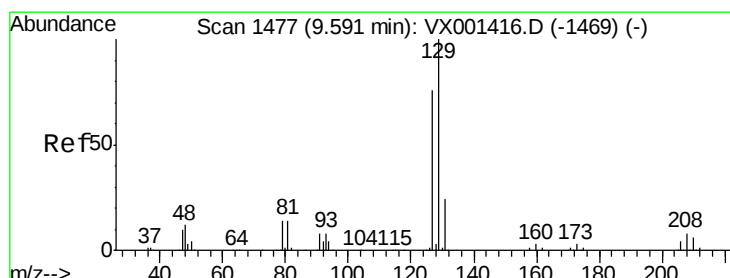
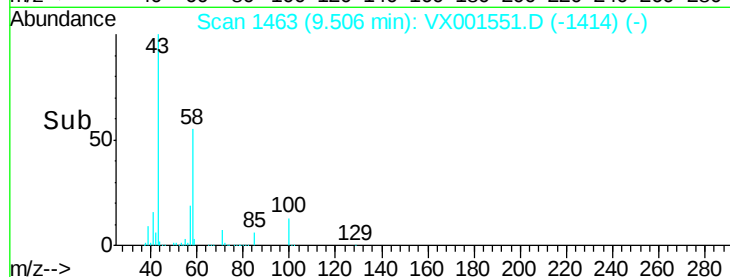
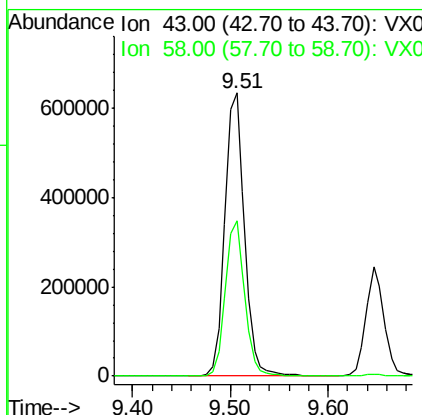
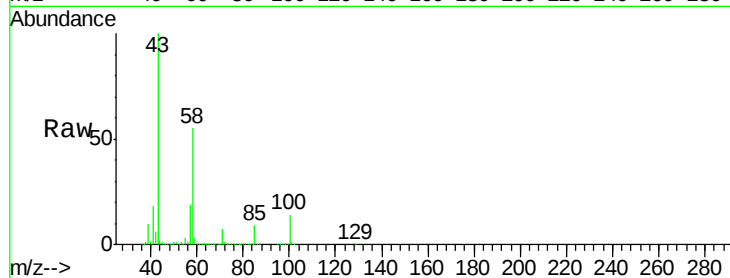
#59
2-Hexanone
Concen: 273.45 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	27.1	81.2

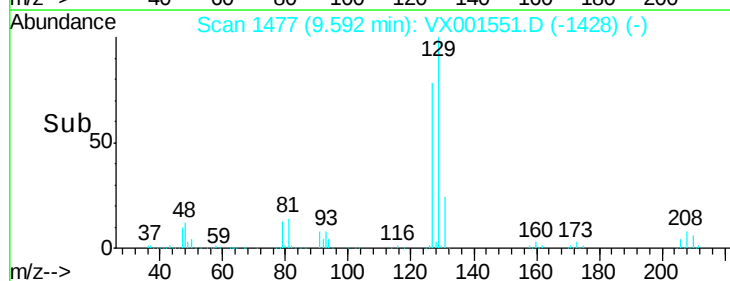
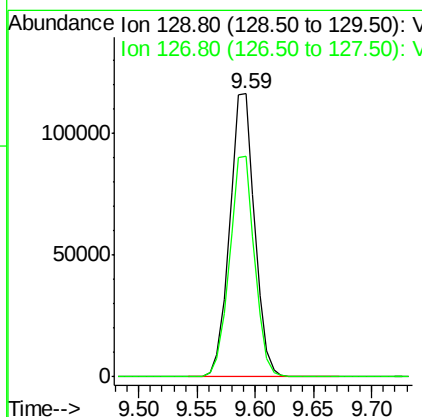
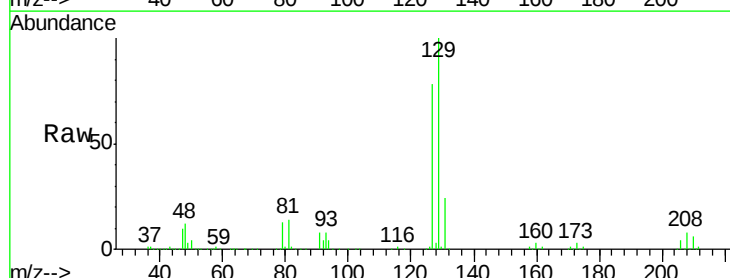
Manual Integrations
APPROVED

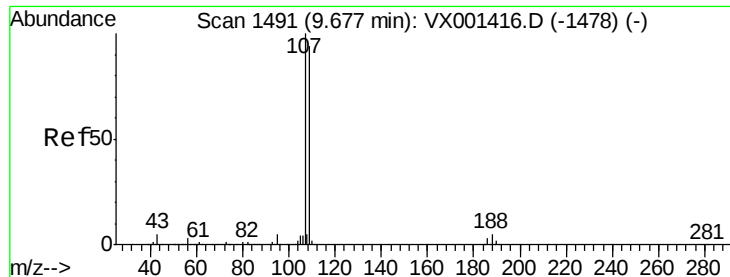
MMDadoda
5/10/2018 1:11:30 PM



#60
Dibromochloromethane
Concen: 58.22 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.1	114.5





#61

1,2-Dibromoethane

Concen: 56.00 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 170741

Ion Ratio Lower Upper

107 100

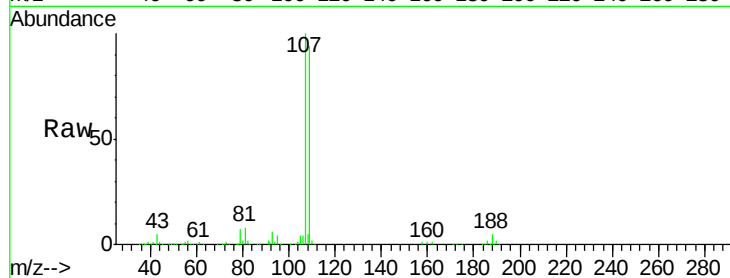
109 93.4 75.5 113.3

Manual Integrations

APPROVED

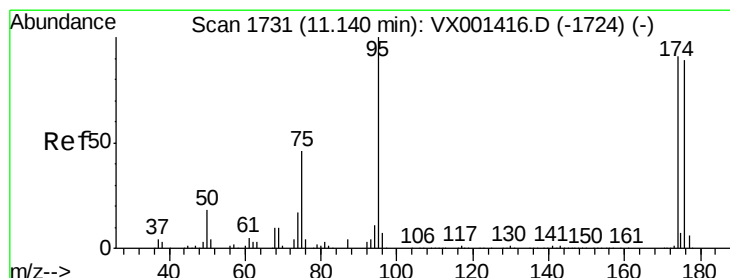
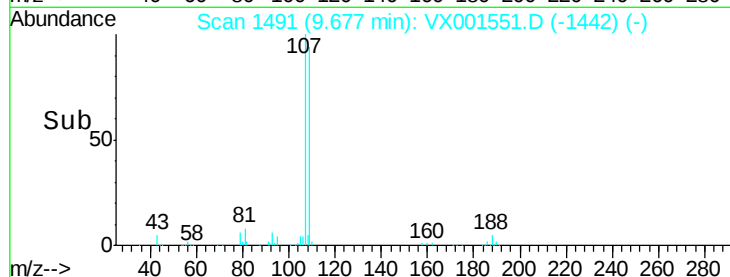
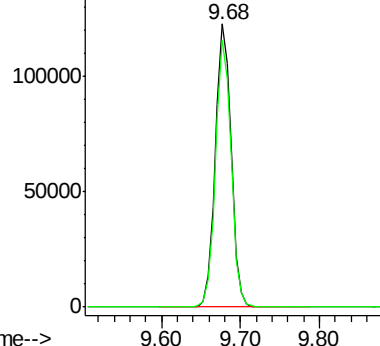
MMDadoda

5/10/2018 1:11:30 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

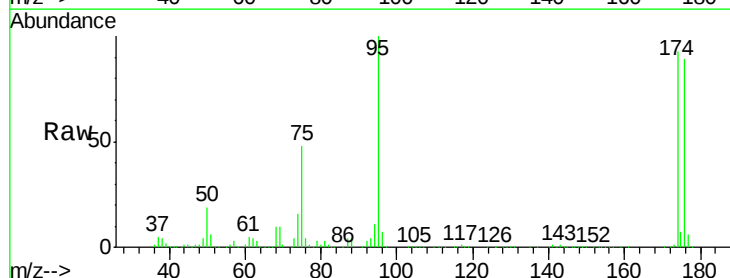
Tgt Ion: 95 Resp: 188337

Ion Ratio Lower Upper

95 100

174 102.0 0.0 202.0

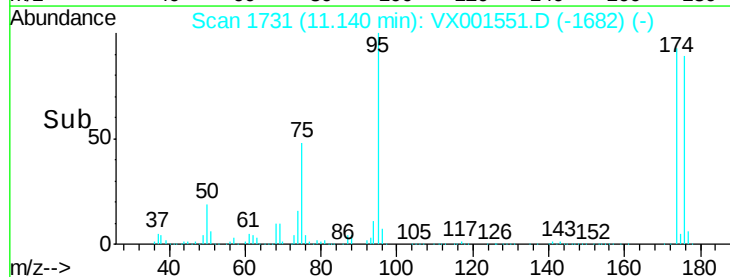
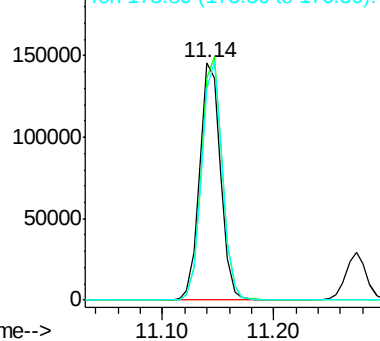
176 99.2 0.0 197.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





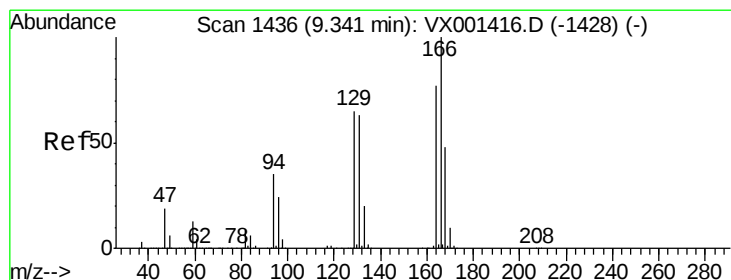
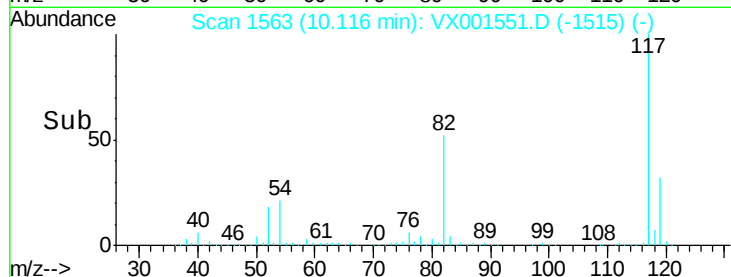
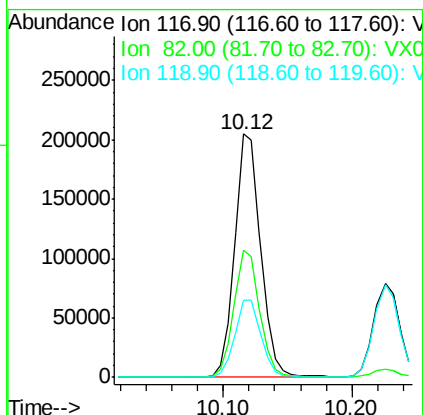
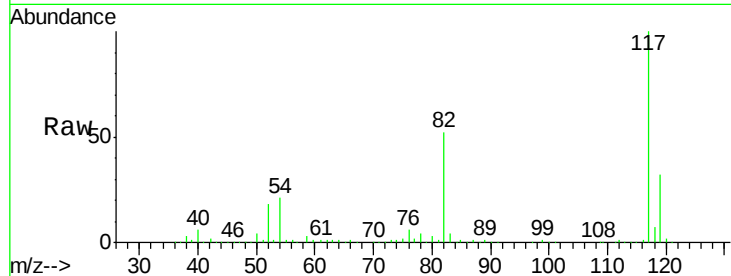
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	40.0	60.0
119	31.7	25.8	38.8

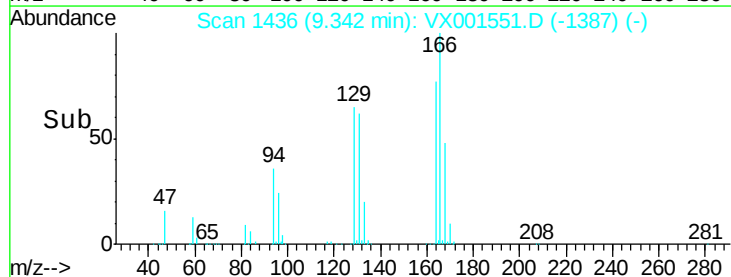
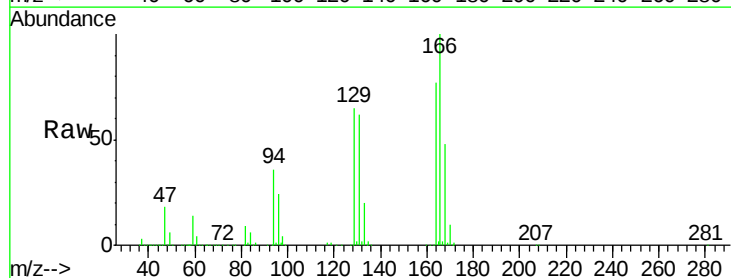
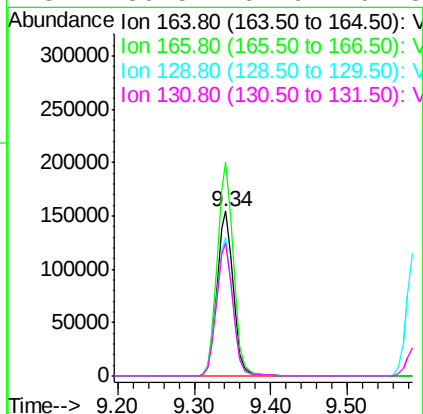
Manual Integrations
APPROVED

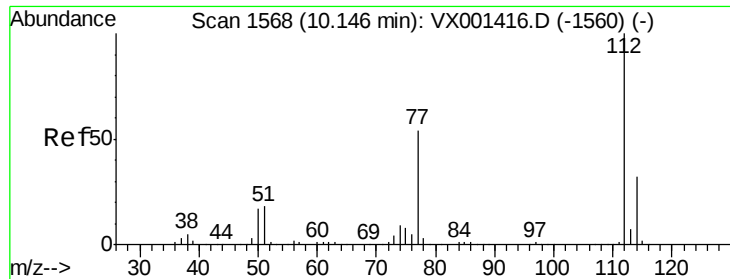
MMDadoda
5/10/2018 1:11:30 PM



#64
Tetrachloroethene
Concen: 56.36 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.5	155.3
129	83.6	66.7	100.1
131	80.5	64.9	97.3





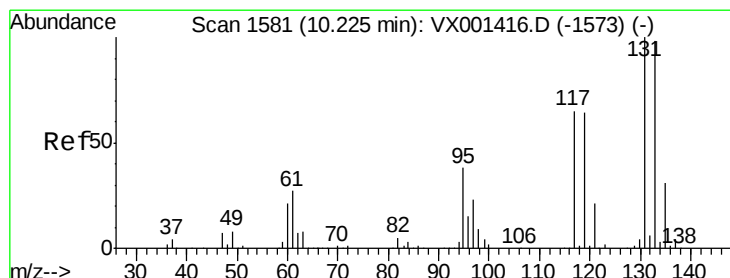
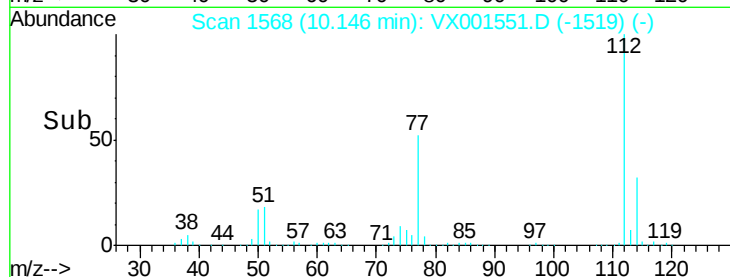
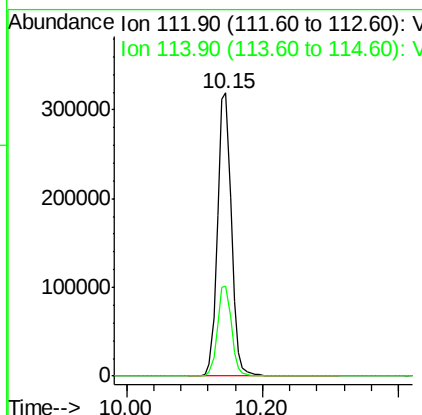
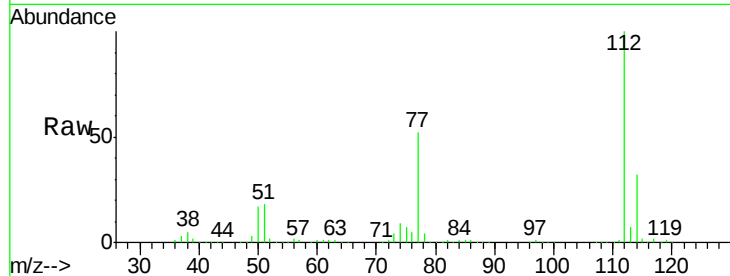
#65
Chlorobenzene
Concen: 53.34 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 451738
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0

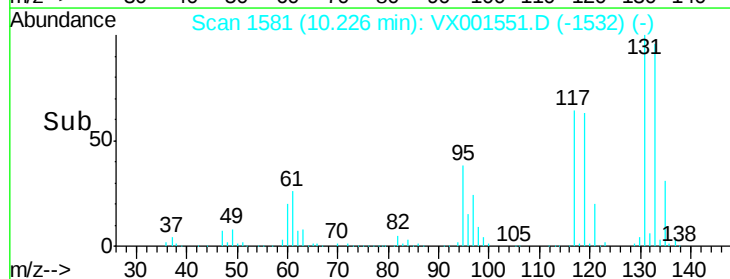
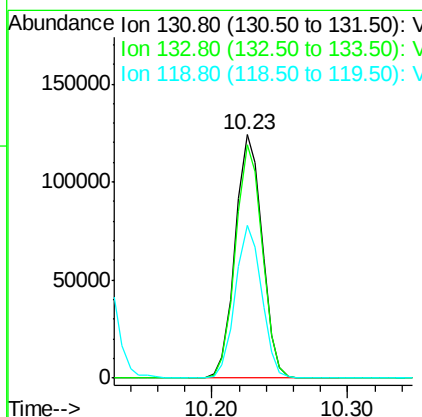
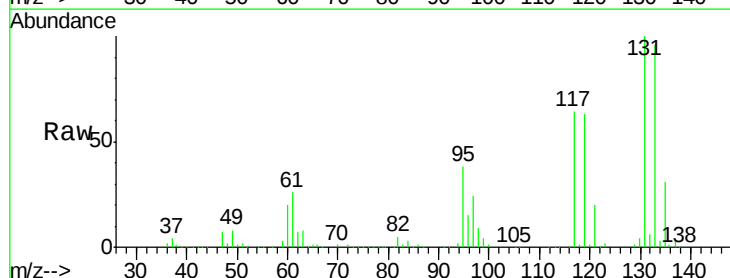
Manual Integrations
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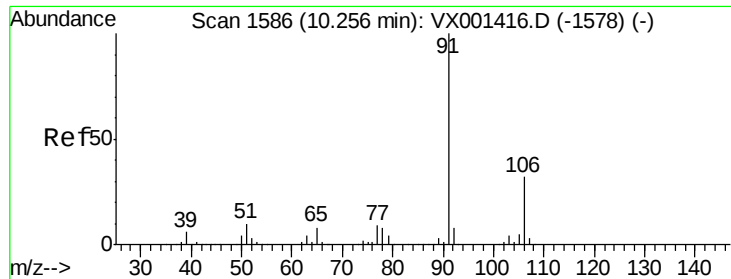
MMDadoda
5/10/2018 1:11:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 56.46 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion:131 Resp: 171028
Ion Ratio Lower Upper
131 100
133 95.5 47.9 143.8
119 61.8 31.1 93.3





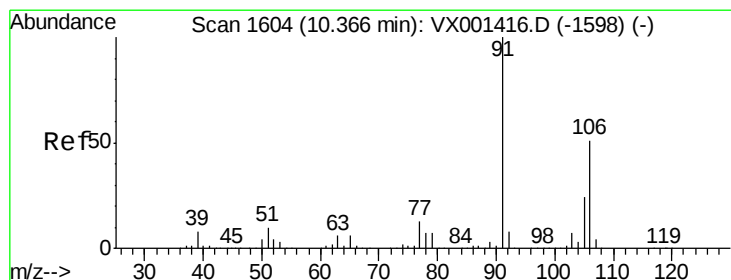
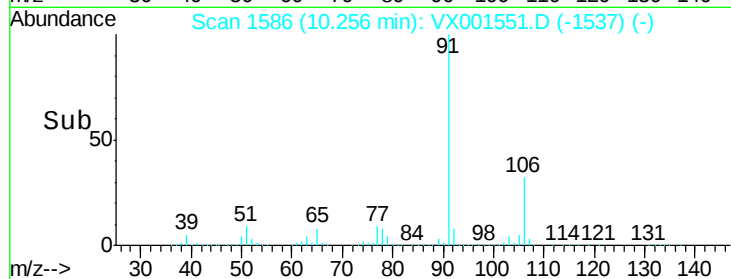
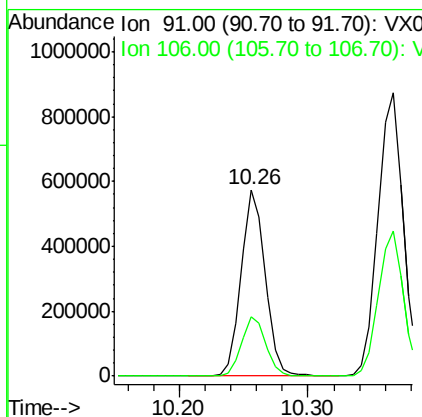
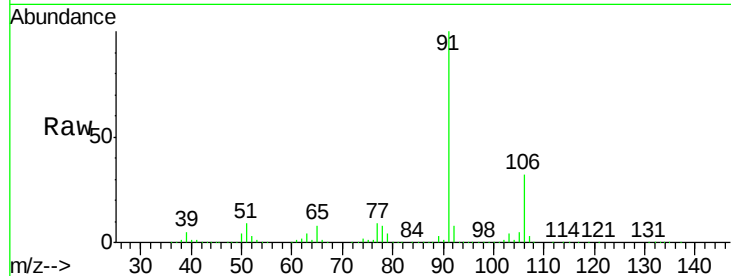
#67
Ethyl Benzene
Concen: 53.89 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 748022
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

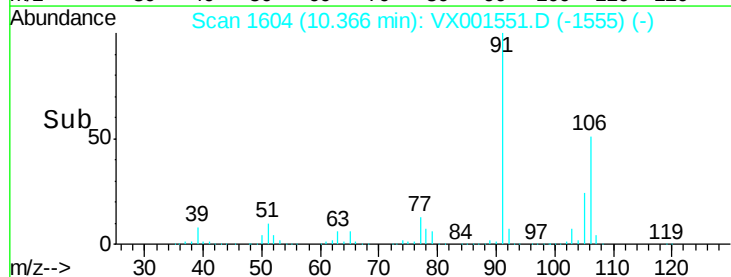
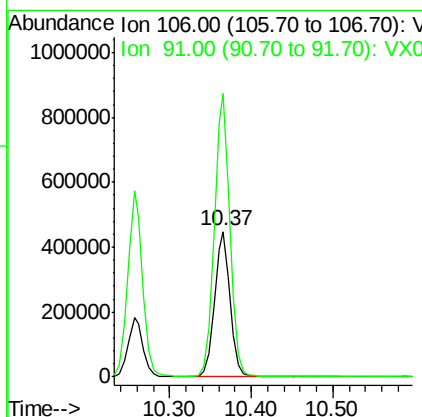
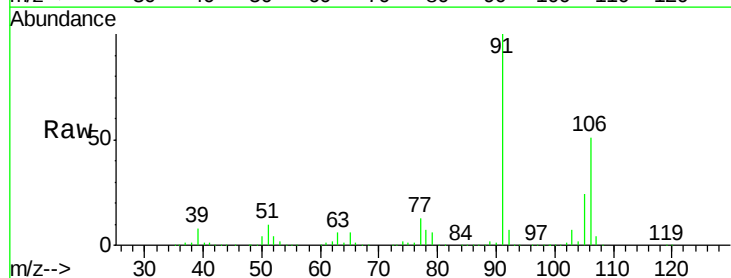
Manual Integrations
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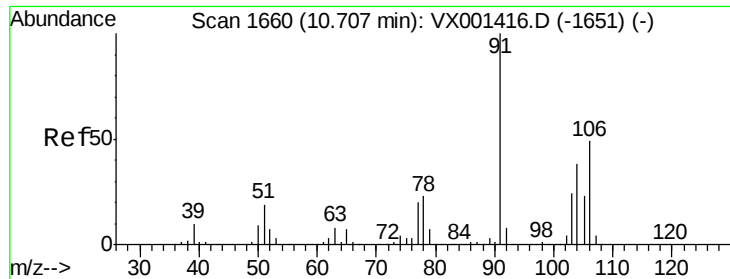
MMDadoda
5/10/2018 1:11:30 PM



#68
m/p-Xylenes
Concen: 110.19 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion: 106 Resp: 604330
Ion Ratio Lower Upper
106 100
91 195.7 157.5 236.3





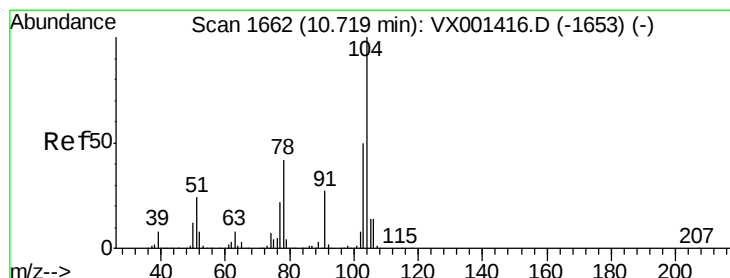
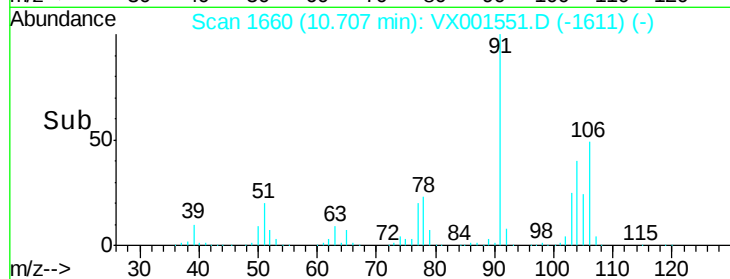
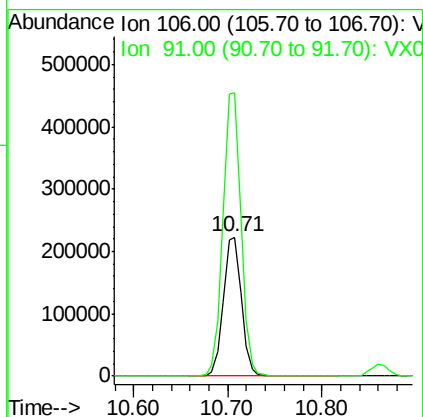
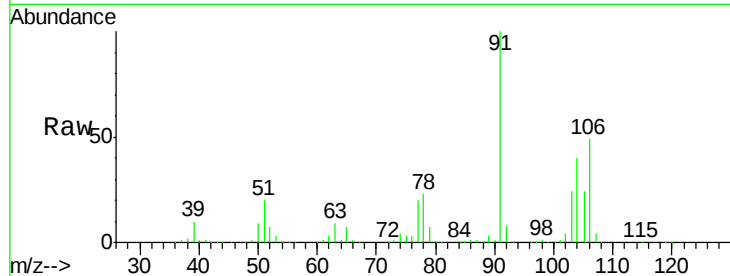
#69
o-Xylene
Concen: 55.56 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		296133		
91	204.9	103.1	309.1		

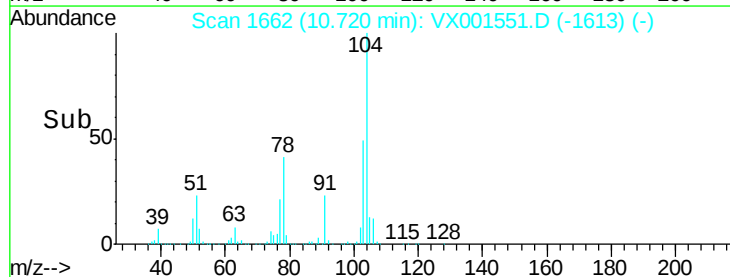
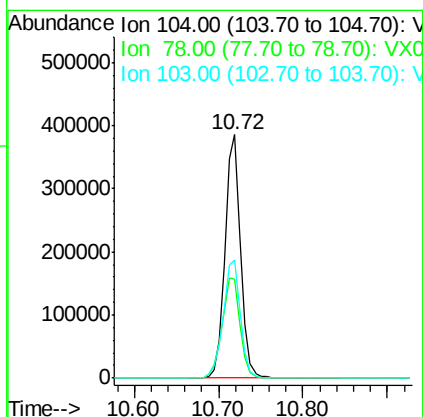
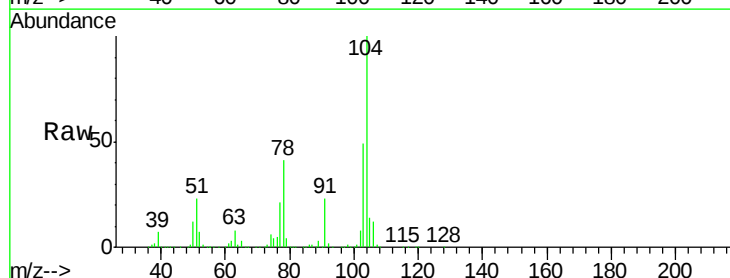
Manual Integrations
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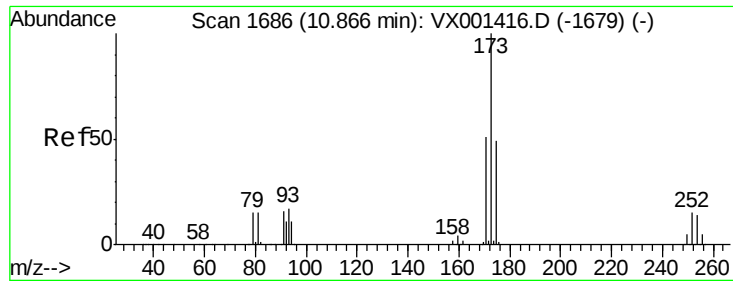
MMDadoda
5/10/2018 1:11:30 PM



#70
Styrene
Concen: 56.97 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		493317		
78	47.8	38.6	58.0		
103	54.0	44.0	66.0		





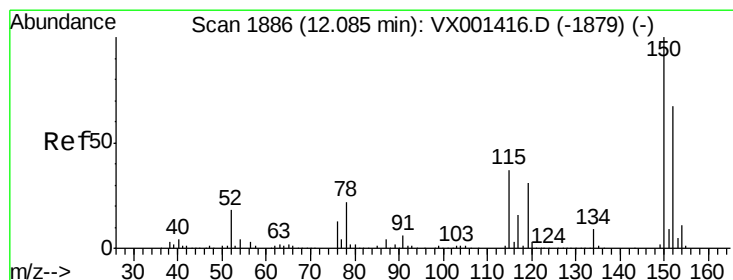
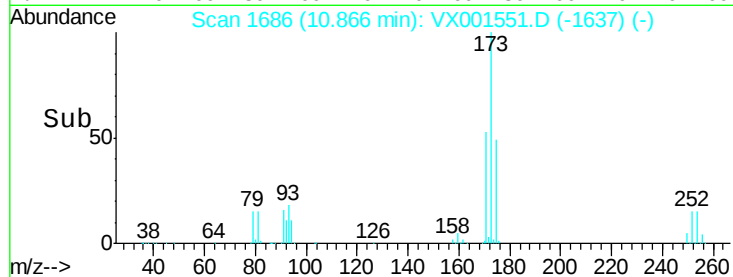
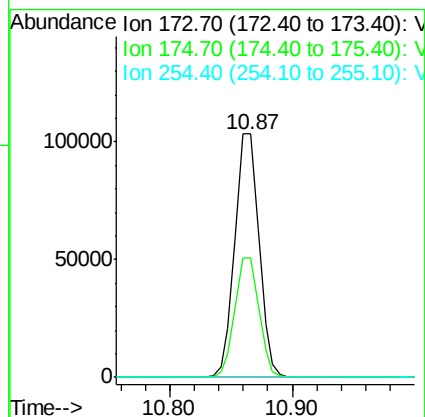
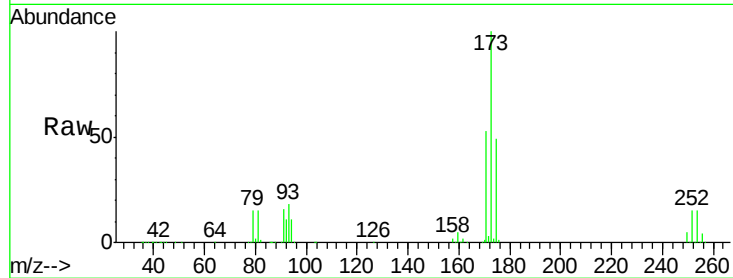
#71
Bromoform
Concen: 48.59 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.5	73.5
254	0.2	0.2	0.2

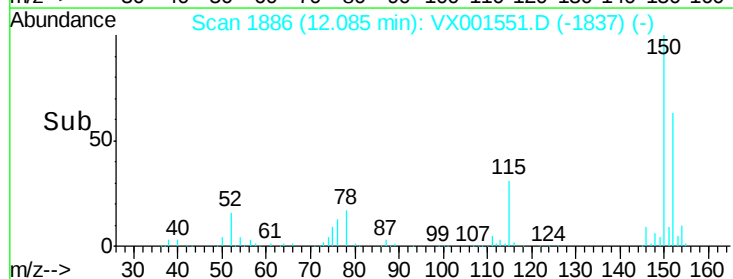
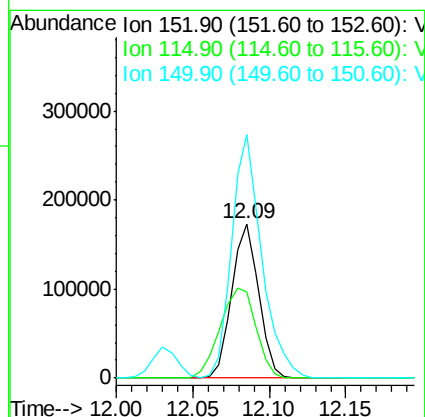
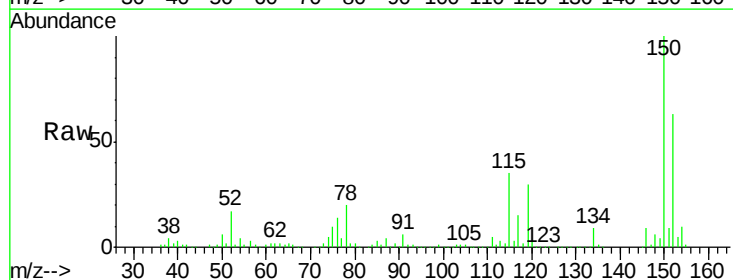
Manual Integrations
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5/10/2018 1:11:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.1	37.7	113.1
150	176.4	0.0	349.4





#73

Isopropylbenzene

Concen: 54.11 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 789256

Ion Ratio Lower Upper

105 100

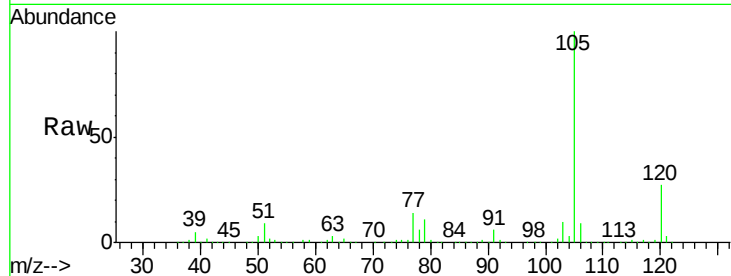
120 27.3 13.6 40.8

Manual Integrations

APPROVED

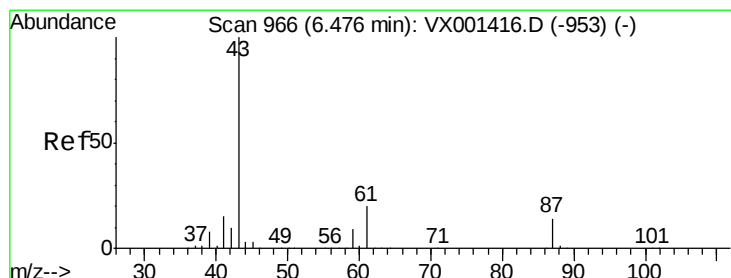
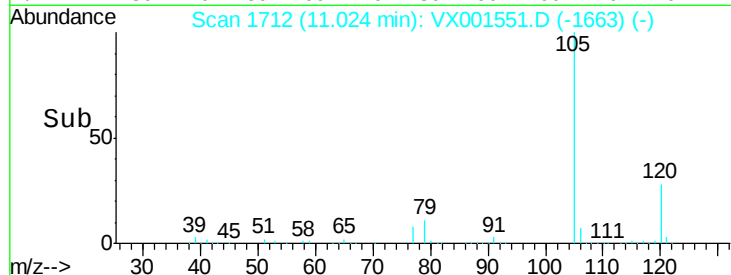
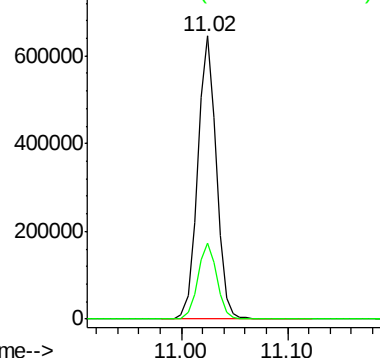
MMDadoda

5/10/2018 1:11:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.40 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion: 43 Resp: 347130

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1#

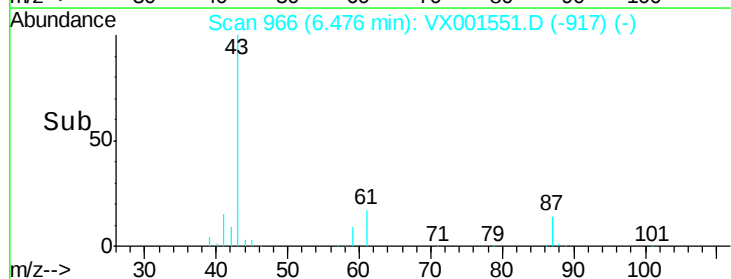
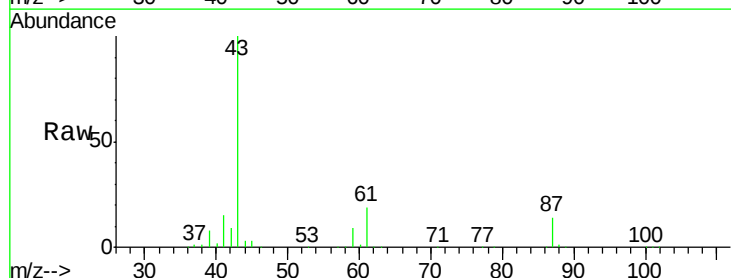
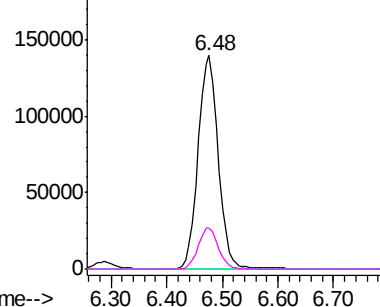
61 19.3 15.4 23.0

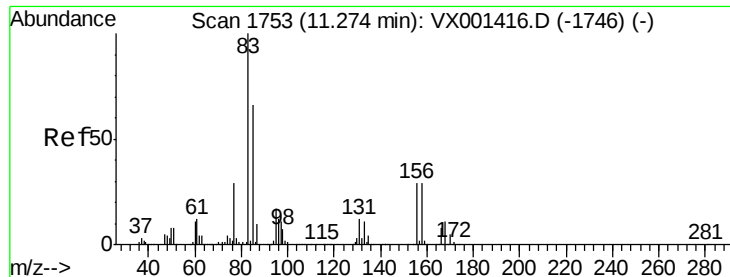
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.96 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 228120

Ion Ratio Lower Upper

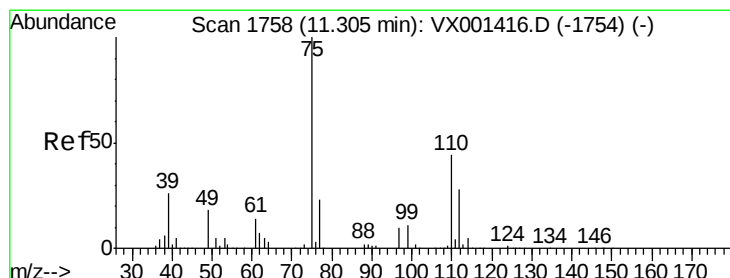
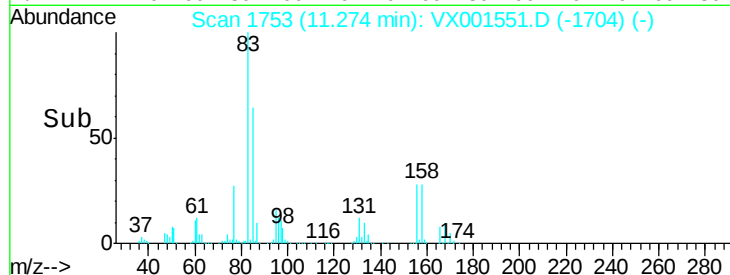
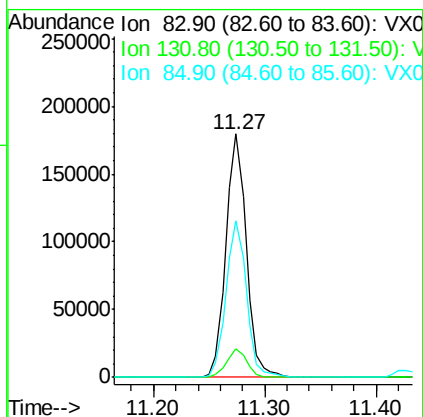
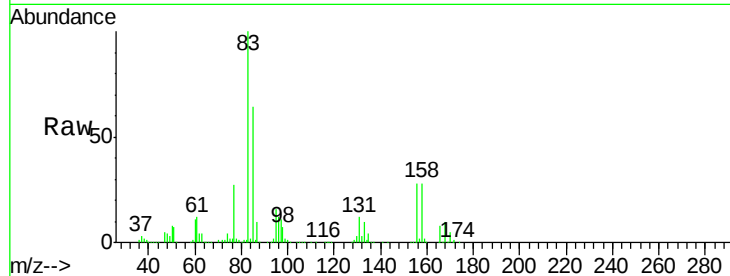
83 100

131 11.6 5.8 17.4

85 64.6 32.7 98.1

Manual Integrations
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5/10/2018 1:11:30 PM



#76

1,2,3-Trichloropropane

Concen: 52.40 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001551.D

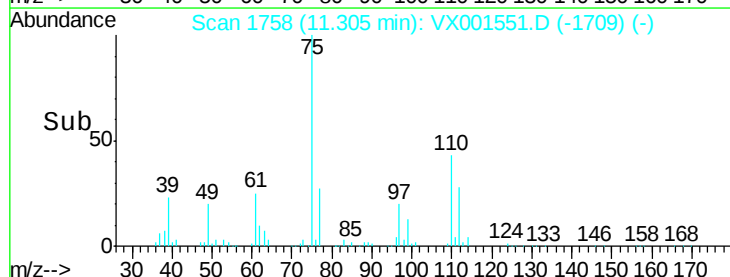
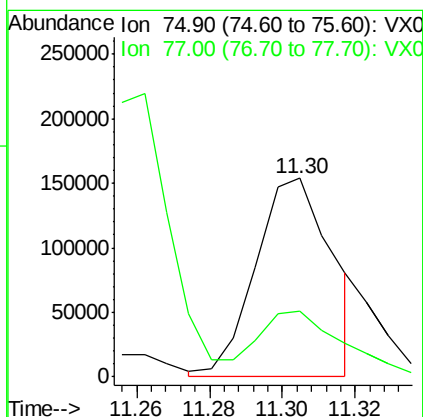
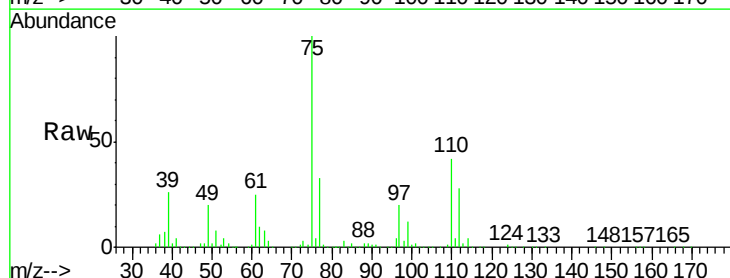
Acq: 09 May 2018 08:41

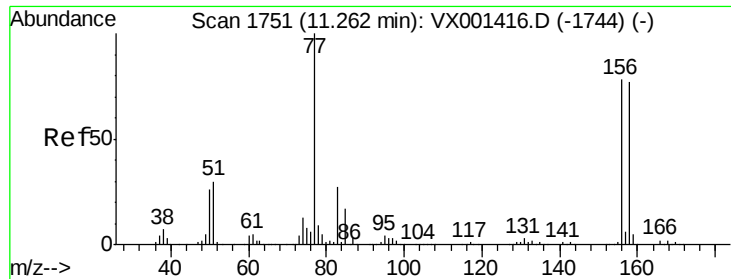
Tgt Ion: 75 Resp: 223898

Ion Ratio Lower Upper

75 100

77 36.5 19.6 58.7





#77

Bromobenzene

Concen: 52.57 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

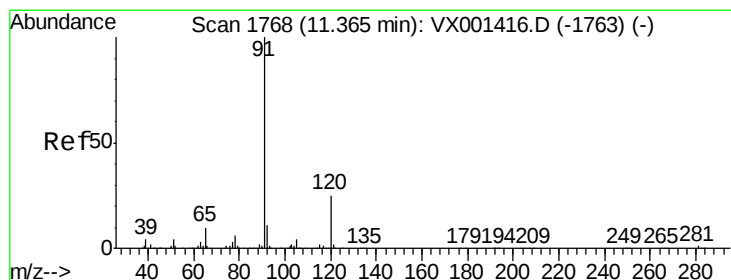
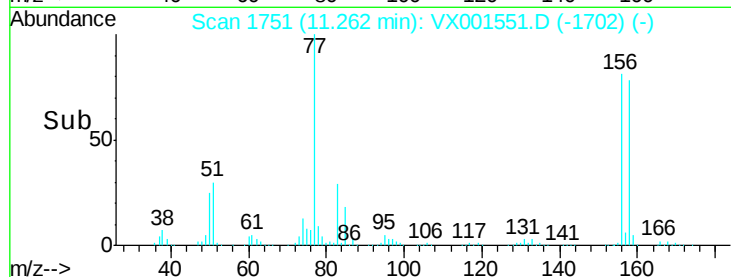
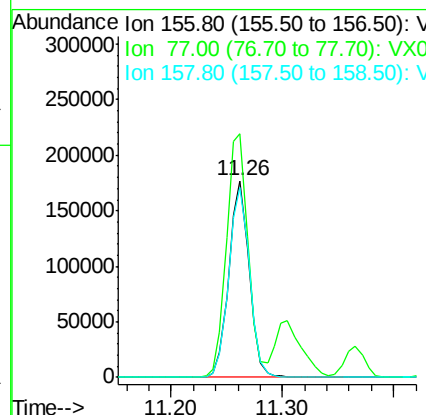
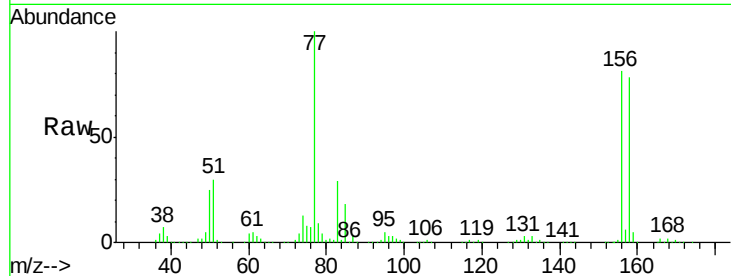
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	222915
Ion Ratio	Lower	Upper	
156	100		
77	133.0	66.0	198.2
158	99.1	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 55.23 ug/l

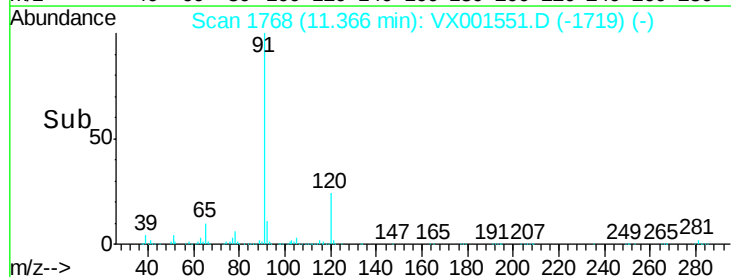
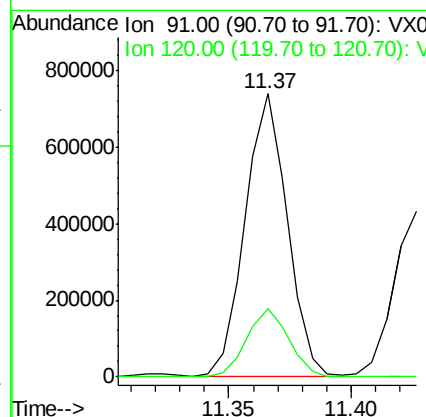
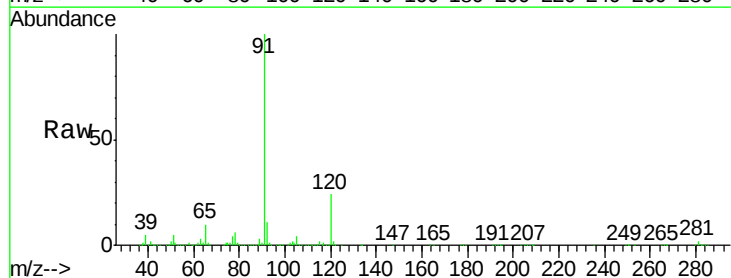
RT: 11.37 min Scan# 1768

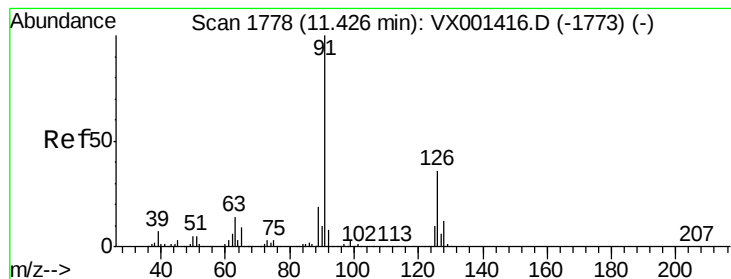
Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion:	91	Resp:	877167
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.5	37.5





#79

2-Chlorotoluene

Concen: 53.71 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 524929

Ion Ratio Lower Upper

91 100

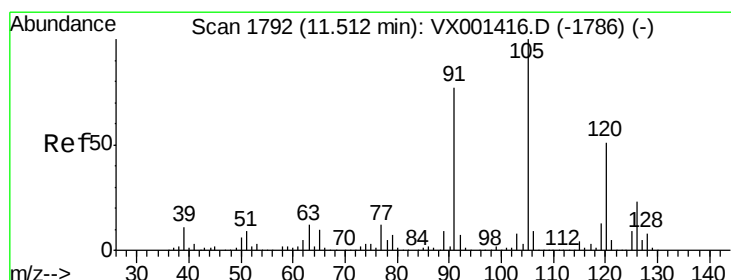
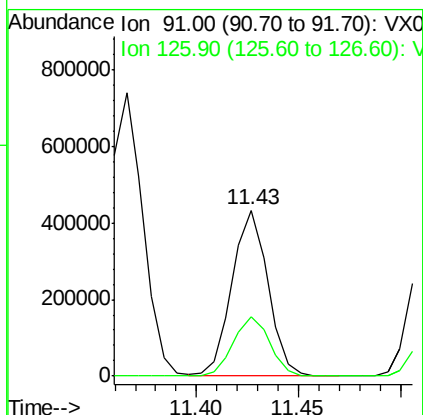
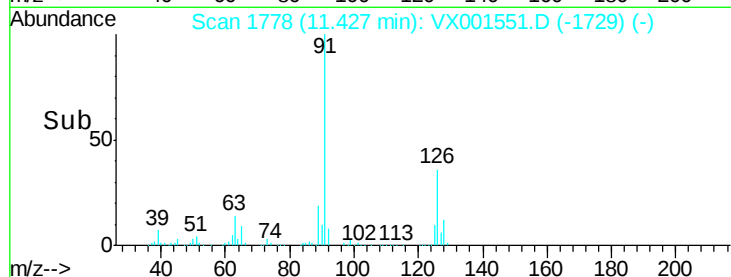
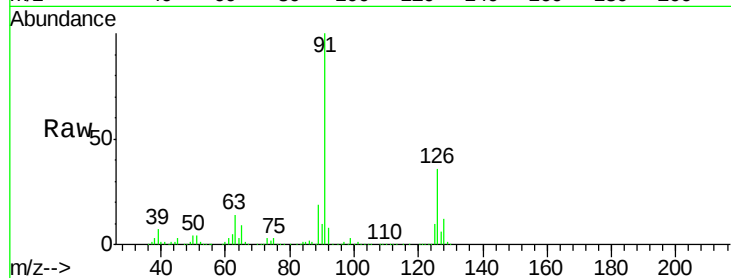
126 36.8 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.62 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001551.D

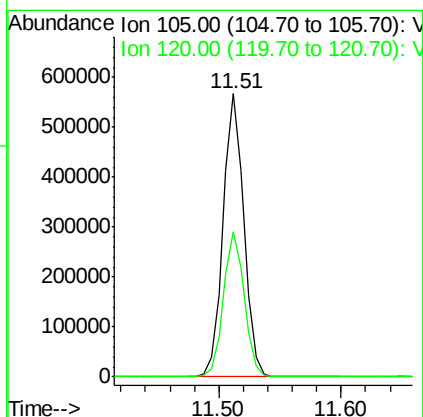
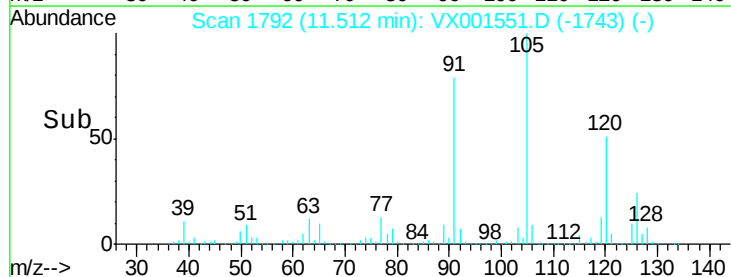
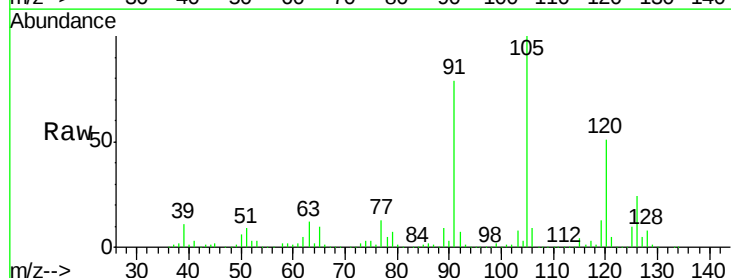
Acq: 09 May 2018 08:41

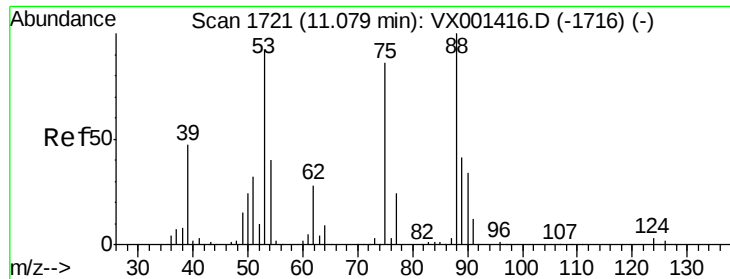
Tgt Ion: 105 Resp: 663221

Ion Ratio Lower Upper

105 100

120 51.3 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 39.98 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

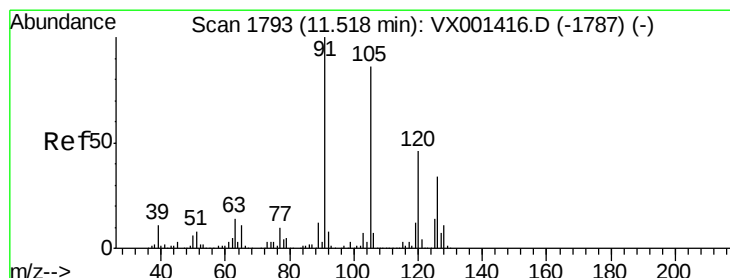
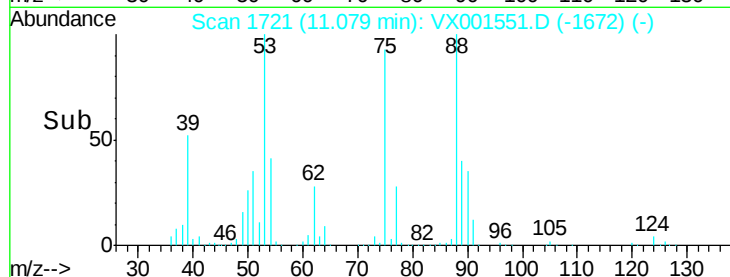
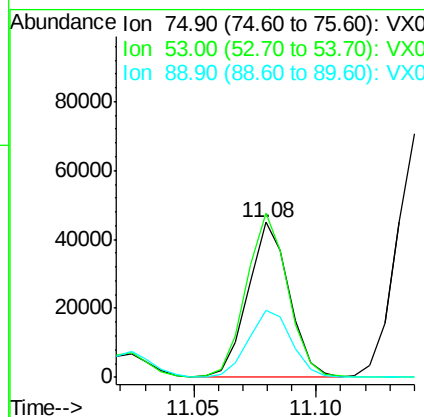
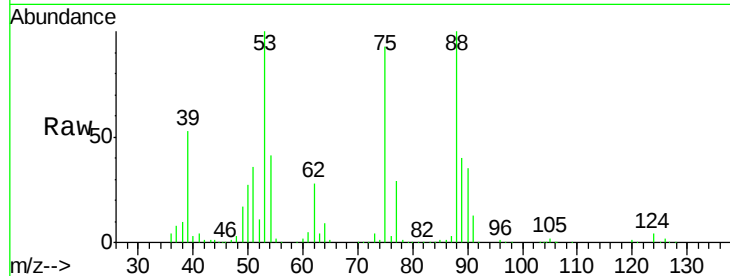
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	52324
Ion	Ratio	Lower	Upper
75	100		
53	107.1	84.5	126.7
89	45.9	39.5	59.3

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#82

4-Chlorotoluene

Concen: 54.39 ug/l

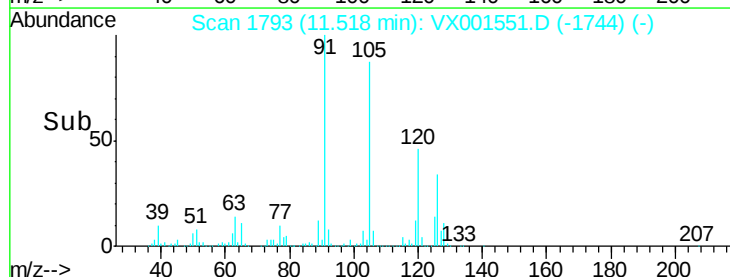
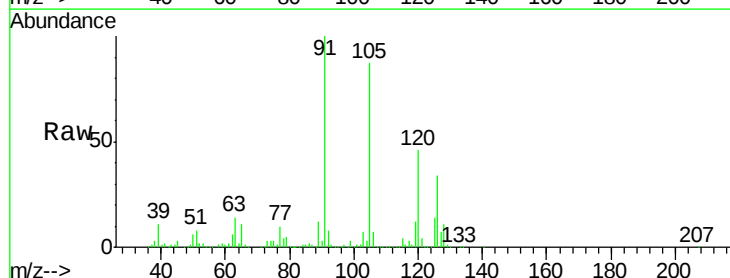
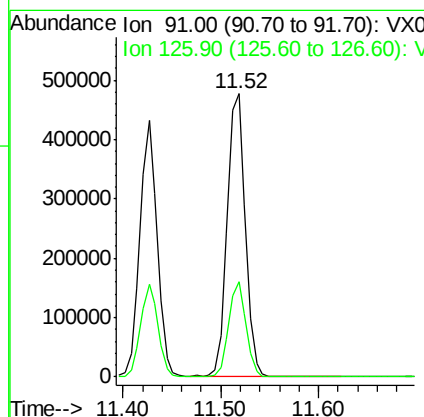
RT: 11.52 min Scan# 1793

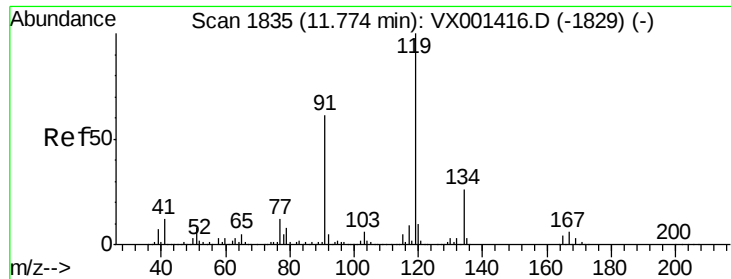
Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion:	91	Resp:	613286
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





#83

tert-Butylbenzene

Concen: 52.84 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

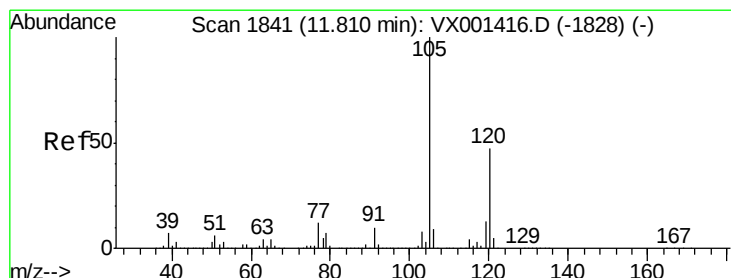
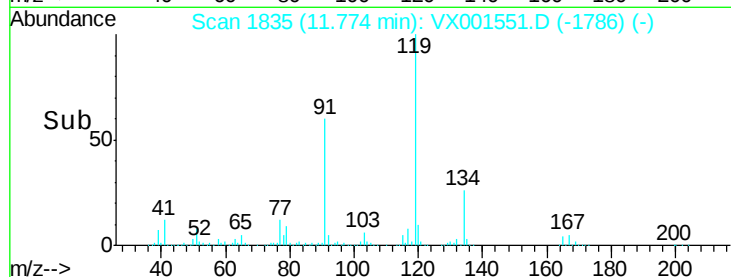
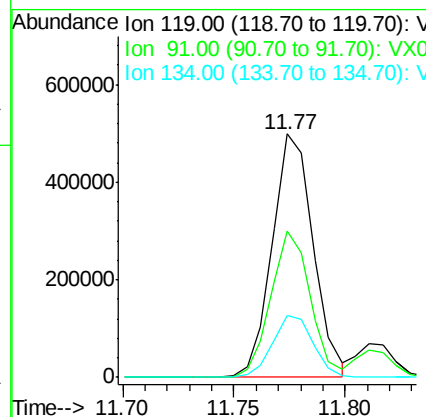
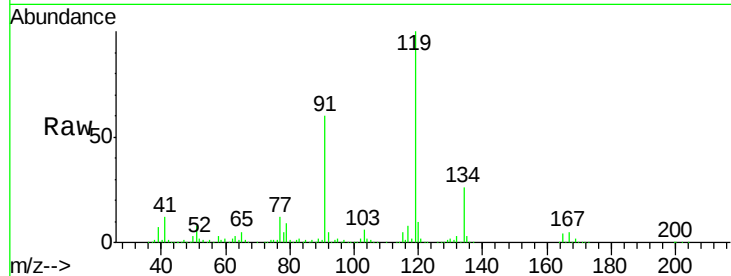
ClientSampleId :

VSTDCCC050EC

Tot Ion:119	Resp:	638397
Ion Ratio	Lower	Upper
119 100		
91 57.7	27.8	83.3
134 25.4	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 54.87 ug/l

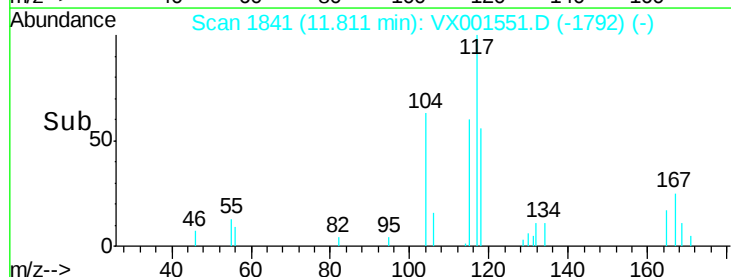
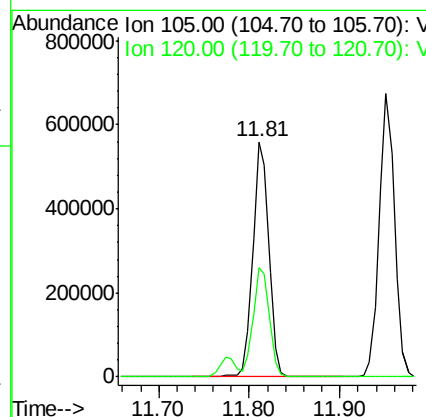
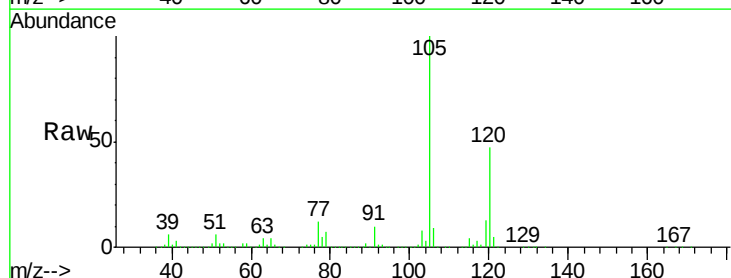
RT: 11.81 min Scan# 1841

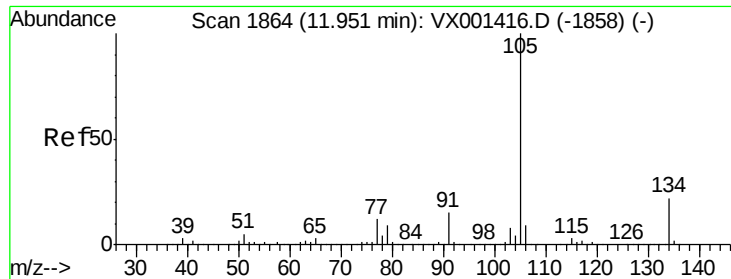
Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion:105	Resp:	684841
Ion Ratio	Lower	Upper
105 100		
120 46.7	23.4	70.2





#85

sec-Butylbenzene

Concen: 54.73 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 793699

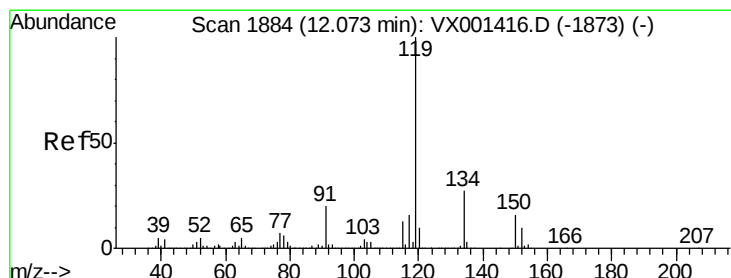
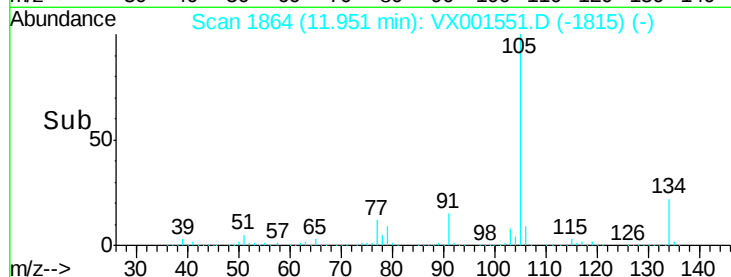
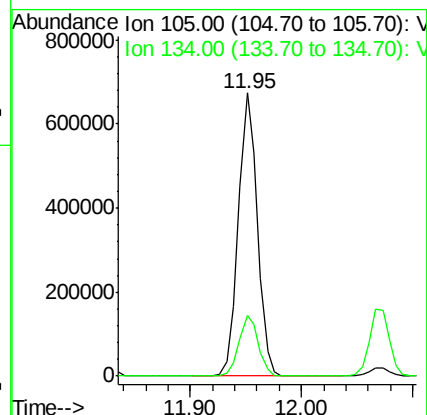
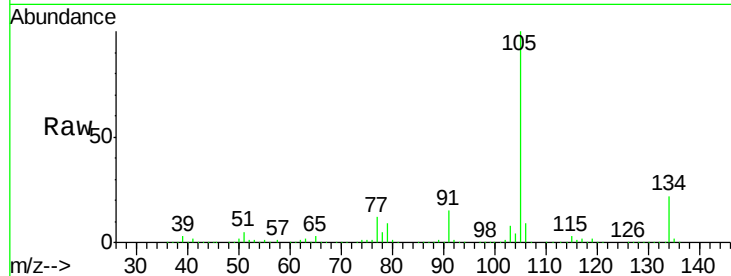
Ion Ratio Lower Upper

105 100

134 21.8 10.9 32.9

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 55.08 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

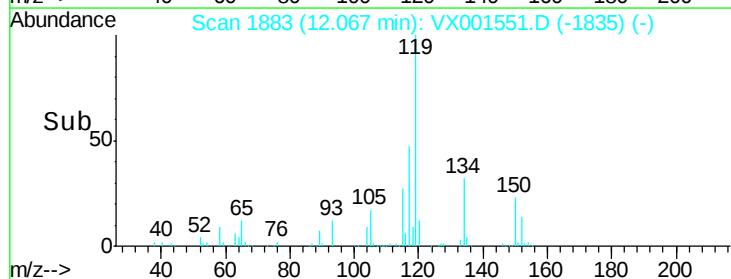
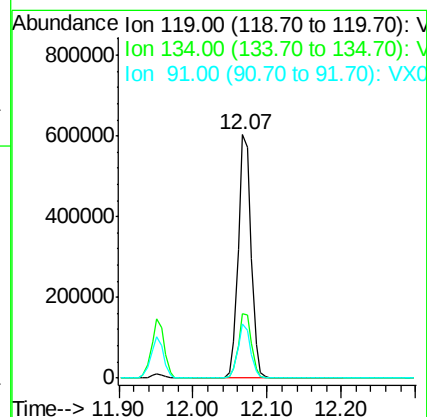
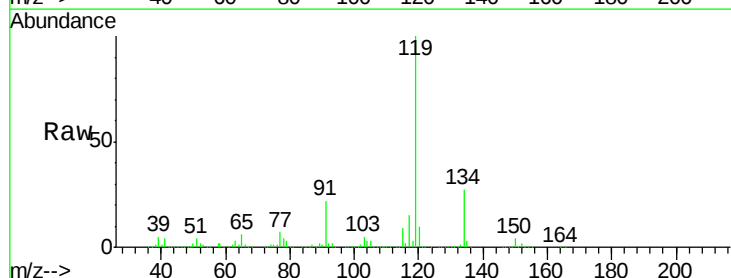
Tgt Ion:119 Resp: 732822

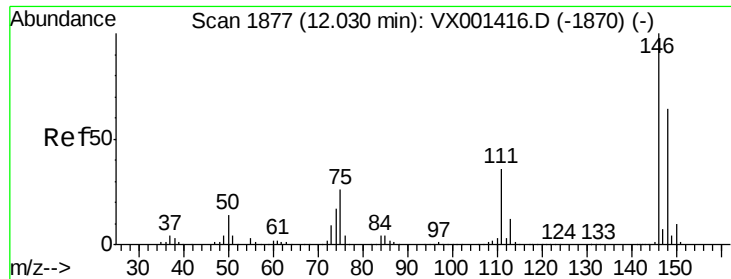
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 21.7 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 52.76 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Instrument :

MSVOA_X

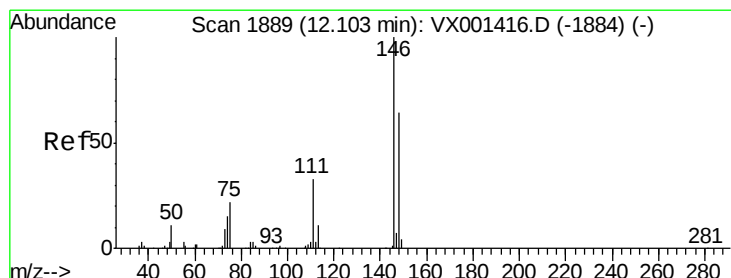
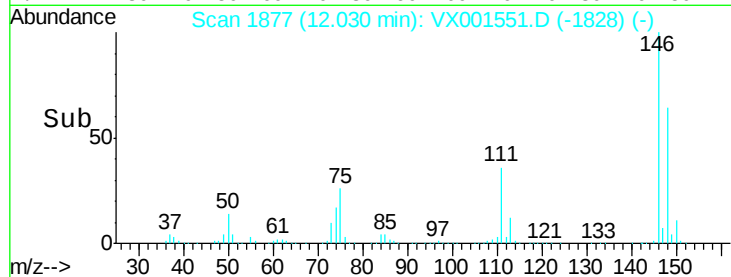
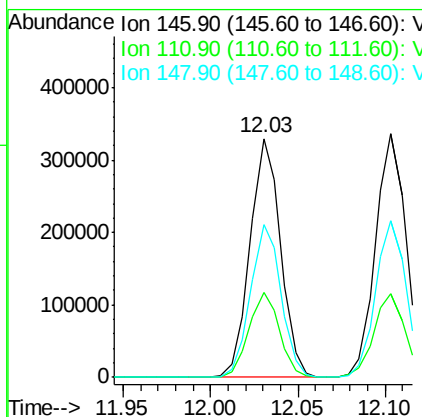
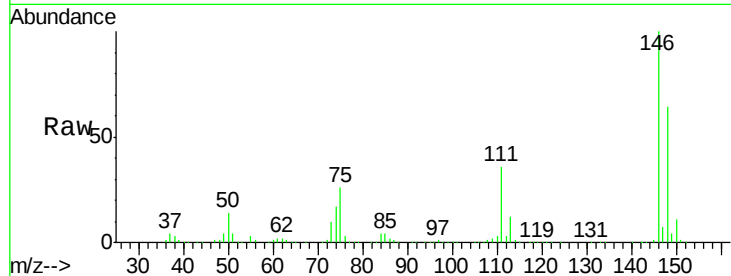
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	399886
Ion Ratio	Lower	Upper	
146	100		
111	35.6	18.1	54.1
148	64.2	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.50 ug/l

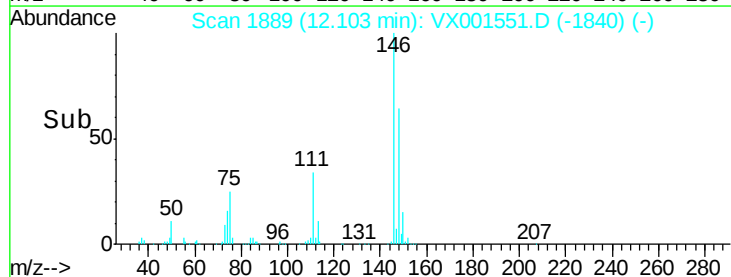
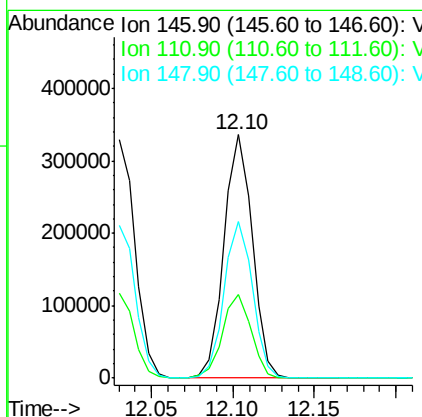
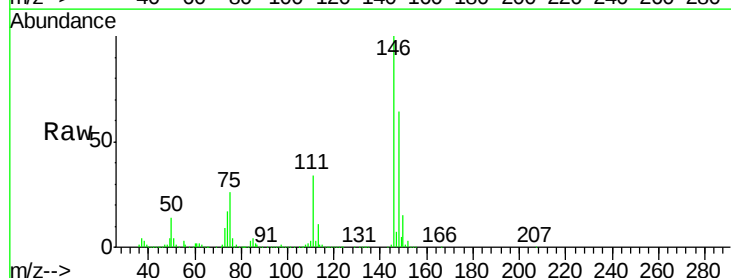
RT: 12.10 min Scan# 1889

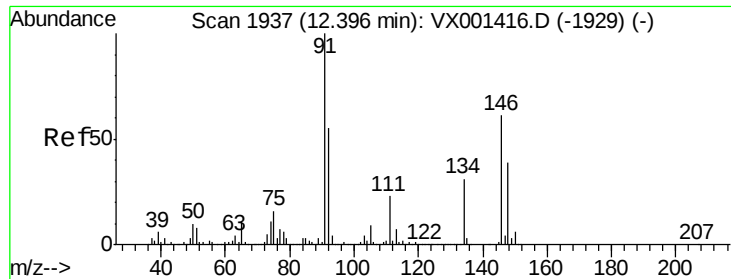
Delta R.T. 0.00 min

Lab File: VX001551.D

Acq: 09 May 2018 08:41

Tgt Ion:	146	Resp:	405898
Ion Ratio	Lower	Upper	
146	100		
111	35.1	17.4	52.3
148	64.5	32.2	96.6





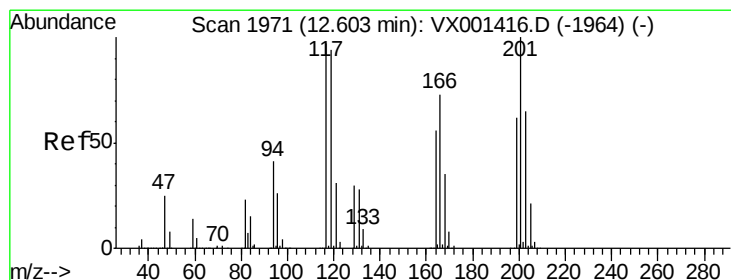
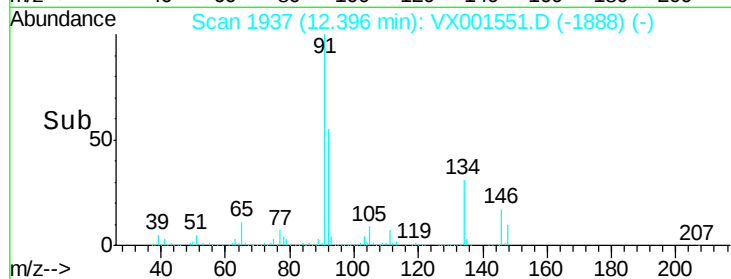
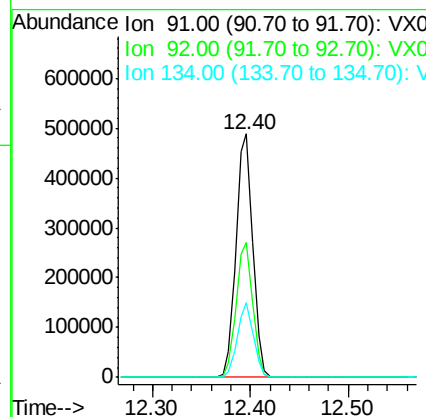
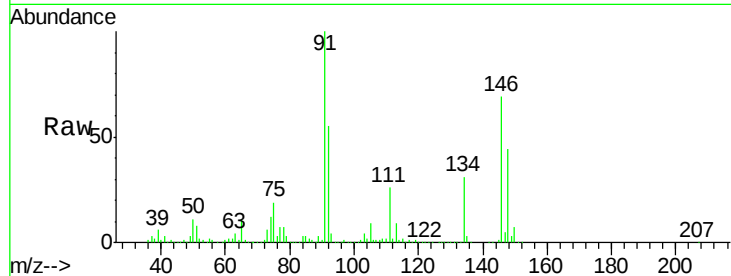
#89
n-Butylbenzene
Concen: 52.64 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.5
134	29.3	14.6	44.0

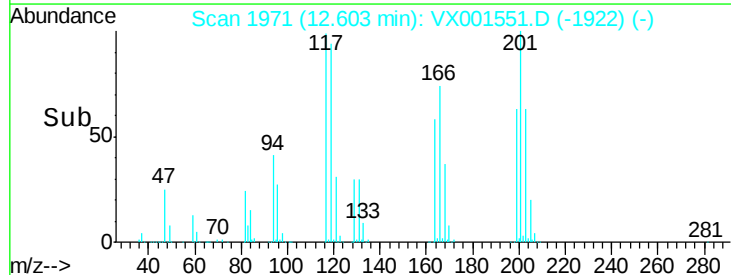
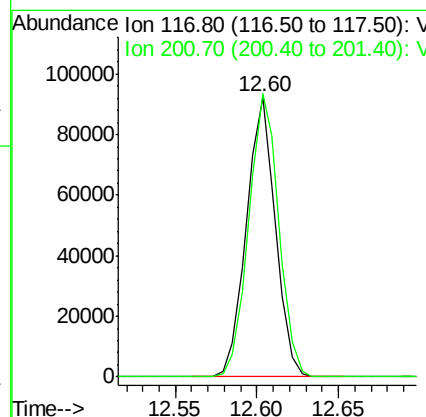
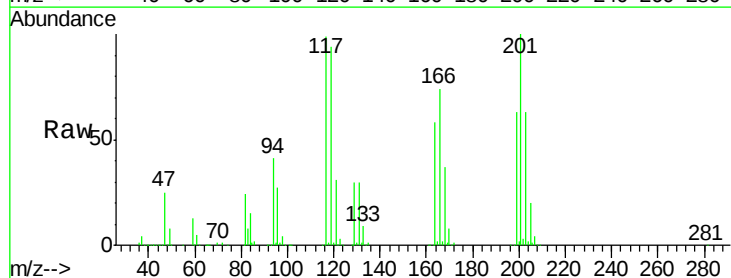
Manual Integrations
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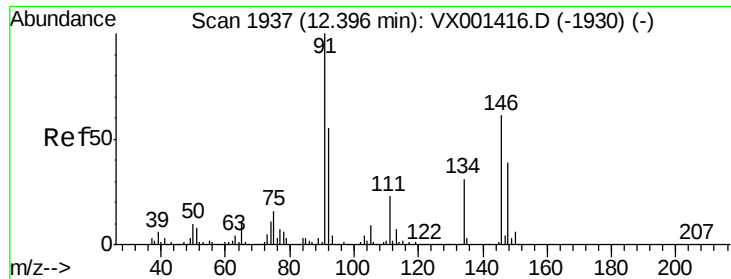
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#90
Hexachloroethane
Concen: 57.21 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.4	51.5	154.5





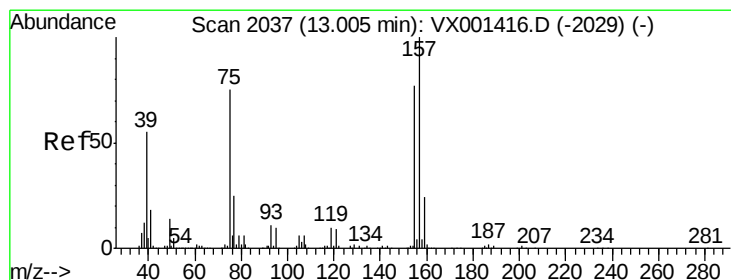
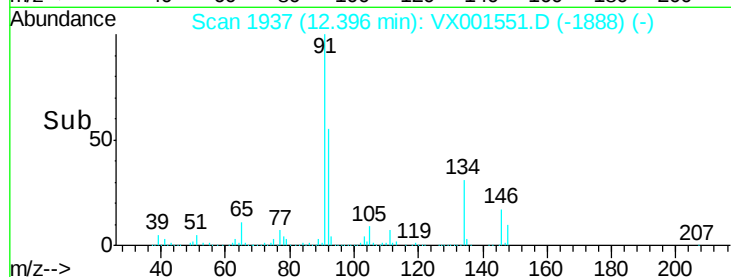
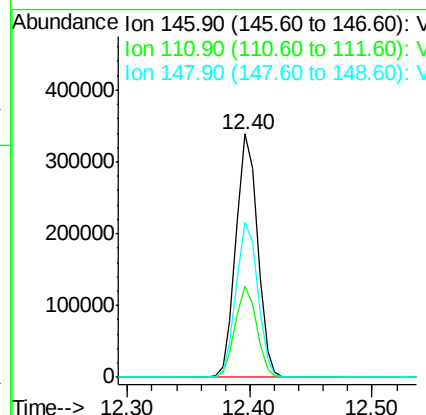
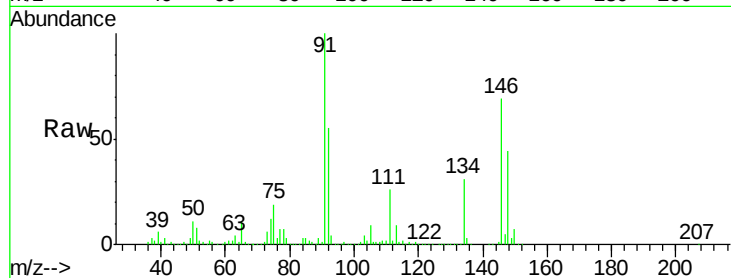
#91
 1,2-Dichlorobenzene
 Concen: 53.55 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.0	32.1	96.5

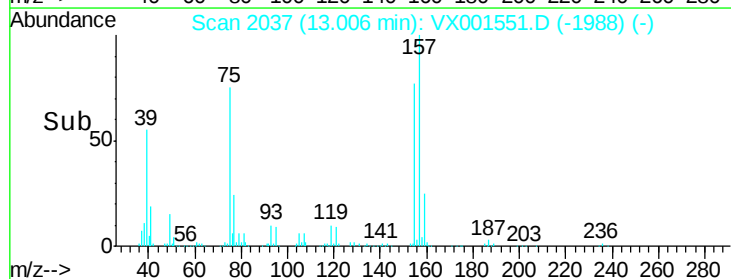
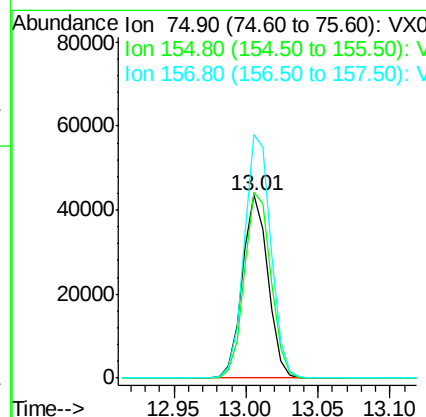
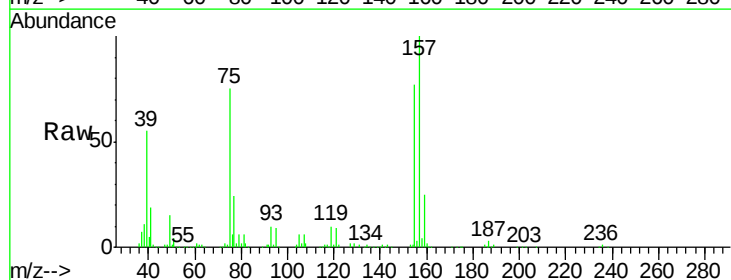
Manual Integrations
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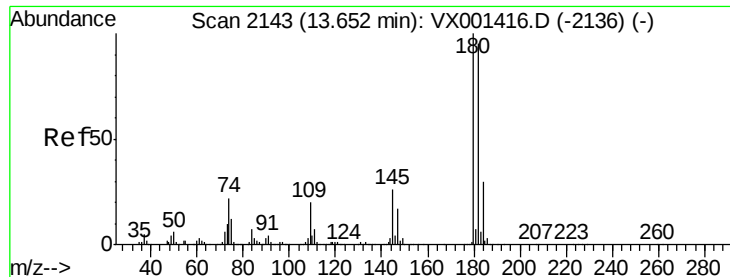
MMDadoda
 5/10/2018 1:11:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.01 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	53.4	160.2
157	136.4	68.3	204.8





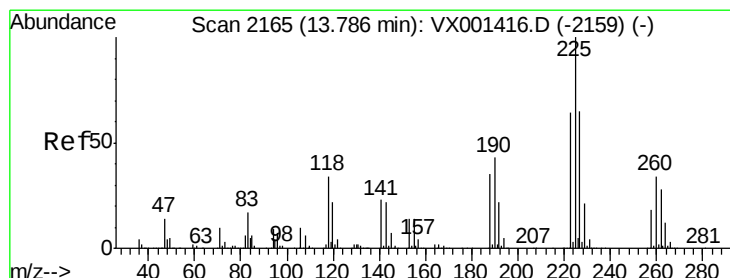
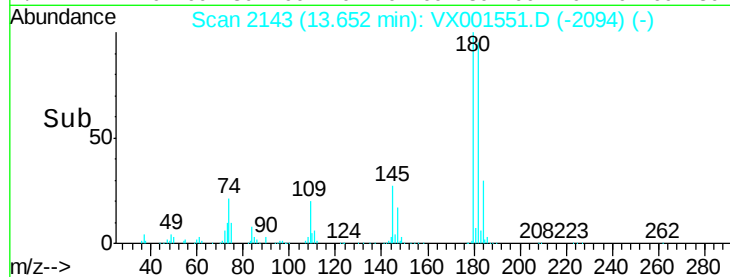
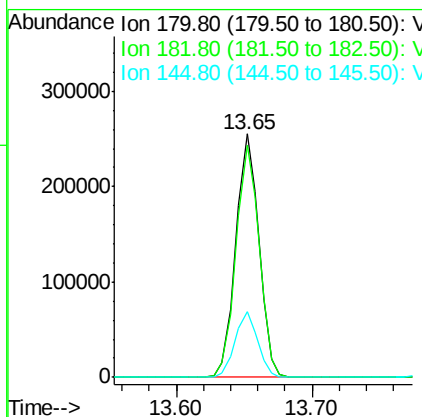
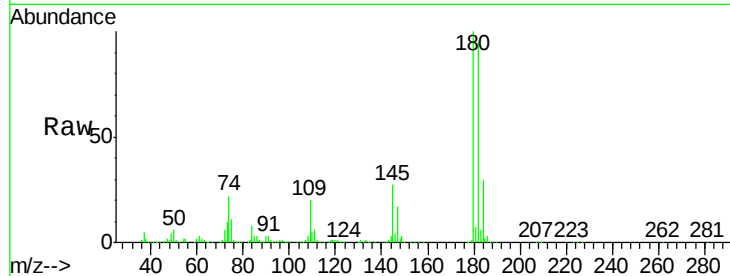
#93
 1,2,4-Trichlorobenzene
 Concen: 53.28 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	300686		
182	96.1	47.8	143.4	
145	26.6	13.3	39.9	

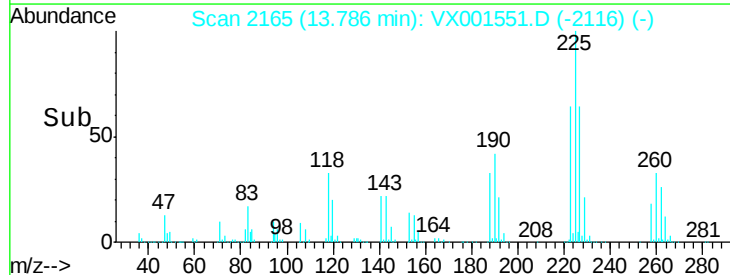
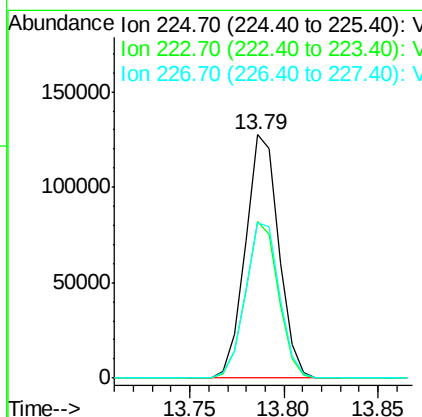
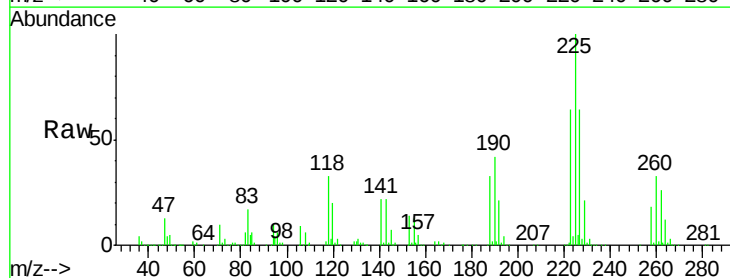
Manual Integrations
 APPROVED

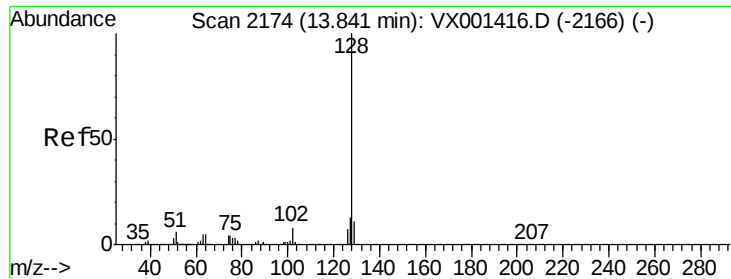
MMDadoda
 5/10/2018 1:11:30 PM



#94
 Hexachlorobutadiene
 Concen: 50.61 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001551.D
 Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	156275		
223	63.2	31.3	93.9	
227	64.9	32.4	97.2	





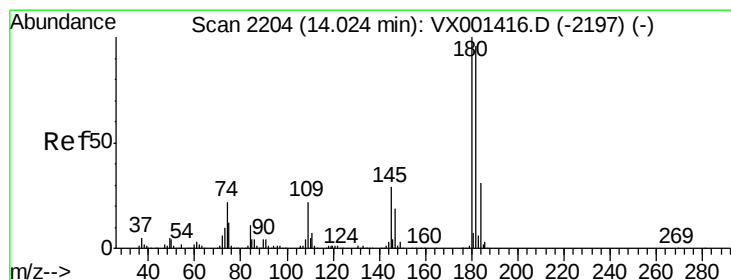
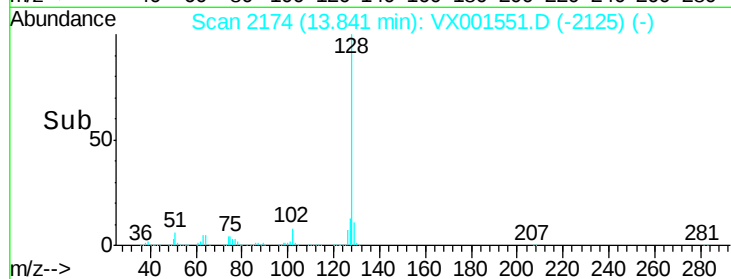
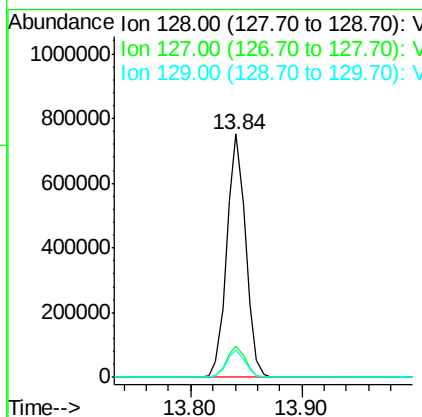
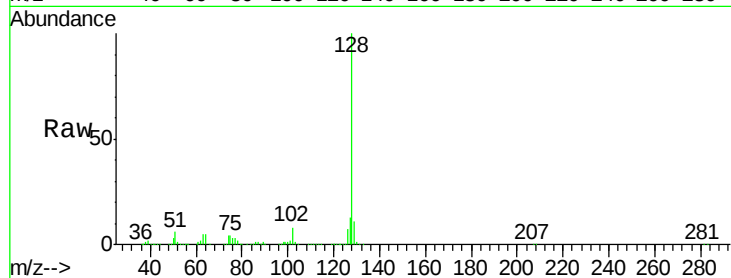
#95
Naphthalene
Concen: 56.22 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/10/2018 1:11:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.30 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.01 min
Lab File: VX001551.D
Acq: 09 May 2018 08:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.0	144.2
145	28.3	14.1	42.4

