

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052118\
 Data File : VX001889.D
 Acq On : 21 May 2018 22:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/22/2018 12:47:26 PM

Quant Time: May 22 03:35:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	216846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	199679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	120454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	144594	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	5.50	113	131060	56.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.20%	
50) Toluene-d8	8.72	98	435045	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	11.14	95	120161	39.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	103918	47.755	ug/l	100
3) Chloromethane	1.32	50	132248	56.258	ug/l	99
4) Vinyl Chloride	1.40	62	126710	49.859	ug/l	99
5) Bromomethane	1.64	94	52649	49.171	ug/l	96
6) Chloroethane	1.71	64	95987	59.963	ug/l	100
7) Trichlorofluoromethane	1.92	101	195755	53.008	ug/l	97
8) Diethyl Ether	2.19	74	88486	58.210	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121068	54.458	ug/l	99
10) Methyl Iodide	2.51	142	152160	74.391	ug/l	98
11) Tert butyl alcohol	3.08	59	206776	400.704	ug/l	99
12) 1,1-Dichloroethene	2.37	96	99472	46.412	ug/l	99
13) Acrolein	2.29	56	55764	152.366	ug/l	99
14) Allyl chloride	2.73	41	207551	52.389	ug/l	94
15) Acrylonitrile	3.15	53	436499	336.779	ug/l	99
16) Acetone	2.45	43	386419	338.488	ug/l	99
17) Carbon Disulfide	2.57	76	208833	37.352	ug/l	98
18) Methyl Acetate	2.78	43	236649	70.908	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	434893	60.202	ug/l	100
20) Methylene Chloride	2.86	84	125575	51.389	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	104692	44.341	ug/l	99
22) Diisopropyl ether	3.87	45	447566	58.891	ug/l	98
23) Vinyl Acetate	3.82	43	1336069	244.002	ug/l	99
24) 1,1-Dichloroethane	3.70	63	237018	56.867	ug/l	99
25) 2-Butanone	4.71	43	650155	371.984	ug/l	97
26) 2,2-Dichloropropane	4.58	77	135442	40.365	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	144063	53.620	ug/l	96
28) Bromochloromethane	5.02	49	111630	60.294	ug/l	99
29) Tetrahydrofuran	5.17	42	428168	375.822	ug/l	100
30) Chloroform	5.21	83	243631	55.648	ug/l	100
31) Cyclohexane	5.57	56	200234	54.808	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	220541	58.295	ug/l	99
36) 1,1-Dichloropropene	5.80	75	145560	45.676	ug/l	99
37) Ethyl Acetate	4.87	43	216967	65.330	ug/l	99
38) Carbon Tetrachloride	5.78	117	193467	57.952	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196107	52.669	ug/l	99
40) Benzene	6.15	78	532877	56.753	ug/l	100
41) Methacrylonitrile	5.07	41	129895	67.634	ug/l	98
42) 1,2-Dichloroethane	6.20	62	176670	52.027	ug/l	97
43) Isopropyl Acetate	6.47	43	333858	64.230	ug/l	98
44) Trichloroethene	7.21	130	149565	51.322	ug/l	99
45) 1,2-Dichloropropane	7.52	63	145835	63.298	ug/l	97
46) Dibromomethane	7.67	93	84804	52.419	ug/l	96
47) Bromodichloromethane	7.90	83	176872	58.917	ug/l	97
48) Methyl methacrylate	7.78	41	180976	66.147	ug/l	95
49) 1,4-Dioxane	7.76	88	99097	1881.153	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1238823	376.078	ug/l	98
52) Toluene	8.79	92	285908	47.389	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	173762	49.194	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	122364	39.301	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	123313	53.470	ug/l	99
56) Ethyl methacrylate	9.19	69	182405	55.774	ug/l	97
57) 1,3-Dichloropropane	9.38	76	193955	50.233	ug/l	100
59) 2-Hexanone	9.50	43	761132	322.781	ug/l	98
60) Dibromochloromethane	9.59	129	127957	54.183	ug/l	99
61) 1,2-Dibromoethane	9.68	107	115868	47.992	ug/l	98
64) Tetrachloroethene	9.34	164	186407	71.712	ug/l	99
65) Chlorobenzene	10.14	112	281856	51.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	134137	69.146	ug/l	99
67) Ethyl Benzene	10.26	91	480749	54.769	ug/l	99
68) m/p-Xylenes	10.36	106	384135	110.916	ug/l	100
69) o-Xylene	10.70	106	202463	61.043	ug/l	100
70) Styrene	10.72	104	260659	47.651	ug/l	97
71) Bromoform	10.86	173	108884	59.705	ug/l	99
73) Isopropylbenzene	11.02	105	542386	68.373	ug/l	99
74) N-amyl acetate	6.47	43	333858	87.787	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	183050	76.926	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	178644m	77.994	ug/l	
77) Bromobenzene	11.26	156	134705	57.789	ug/l	98
78) n-propylbenzene	11.37	91	530317	59.339	ug/l	99
79) 2-Chlorotoluene	11.43	91	334866	62.651	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	439599	67.550	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	41850	54.155	ug/l	99
82) 4-Chlorotoluene	11.51	91	354165	56.247	ug/l	99
83) tert-Butylbenzene	11.77	119	468196	72.295	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	450628	66.868	ug/l	100
85) sec-Butylbenzene	11.95	105	522045	65.301	ug/l	100
86) p-Isopropyltoluene	12.07	119	468209	63.295	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	226437	52.529	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	224920	50.460	ug/l	100
89) n-Butylbenzene	12.40	91	329712	51.534	ug/l	100
90) Hexachloroethane	12.60	117	86927	75.665	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	253410	59.001	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44902	88.410	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	167010	48.781	ug/l	99

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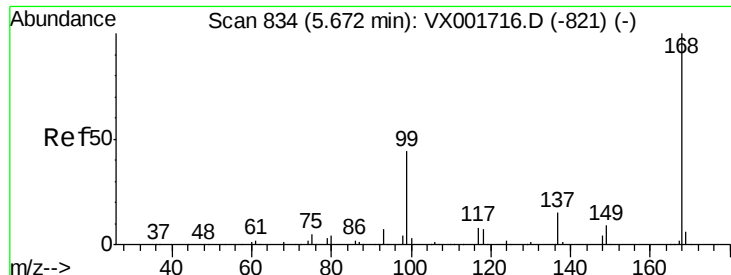
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	102657	55.851	ug/l	99
95) Naphthalene	13.84	128	592715	66.605	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	192626	55.875	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 216846

Ion Ratio Lower Upper

168 100

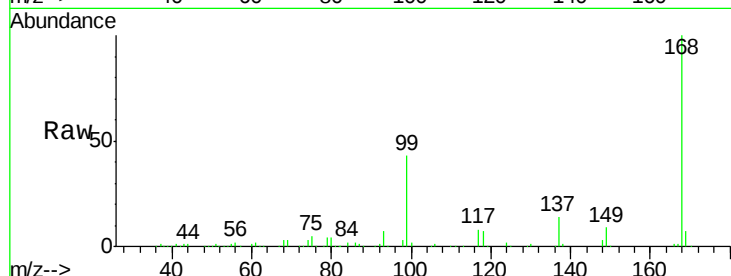
99 43.1 35.0 52.4

Manual Integrations

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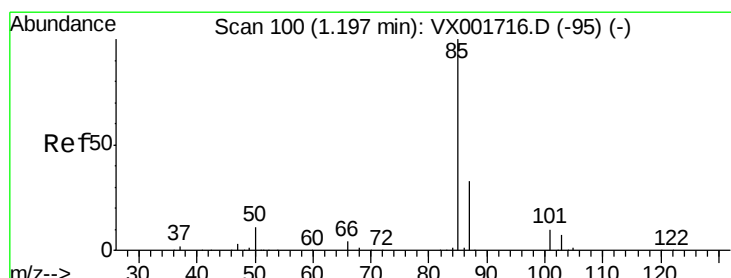
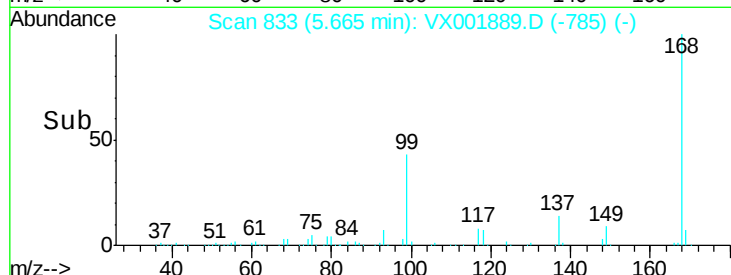
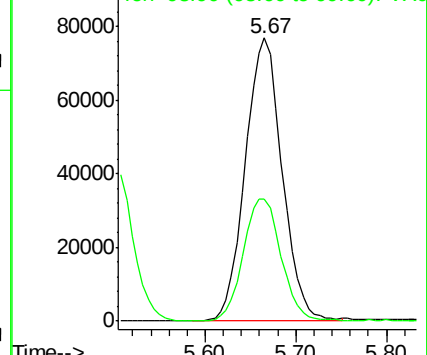
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.755 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001889.D

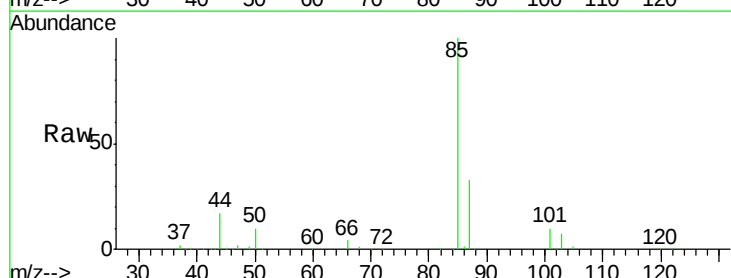
Acq: 21 May 2018 22:18

Tgt Ion: 85 Resp: 103918

Ion Ratio Lower Upper

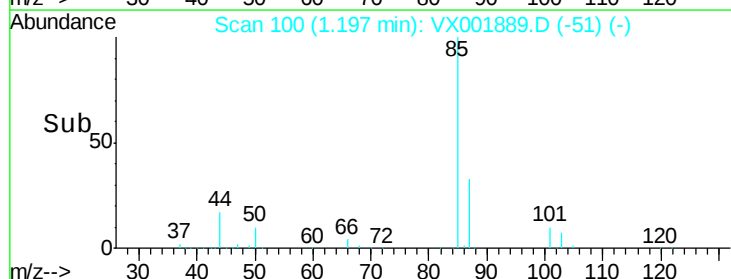
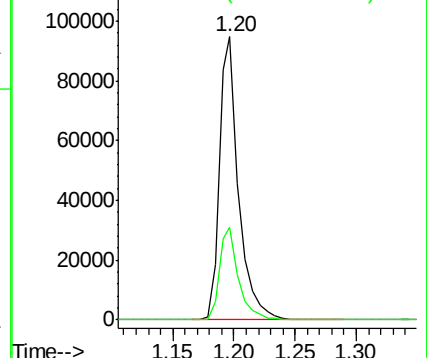
85 100

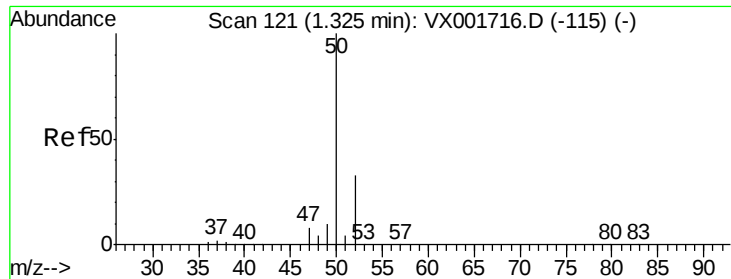
87 32.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 56.258 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 132248

Ion Ratio Lower Upper

50 100

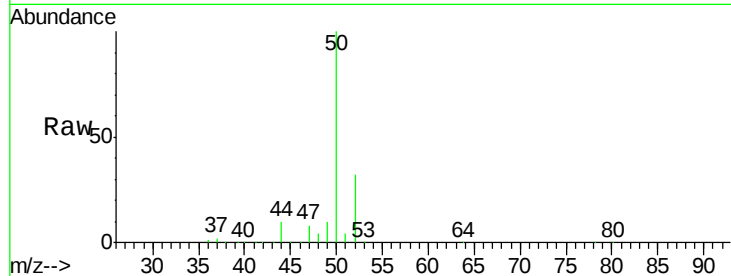
52 32.5 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

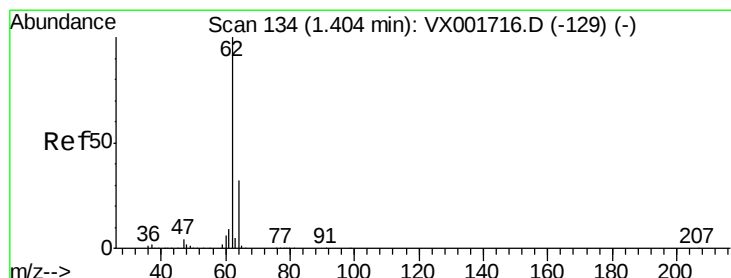
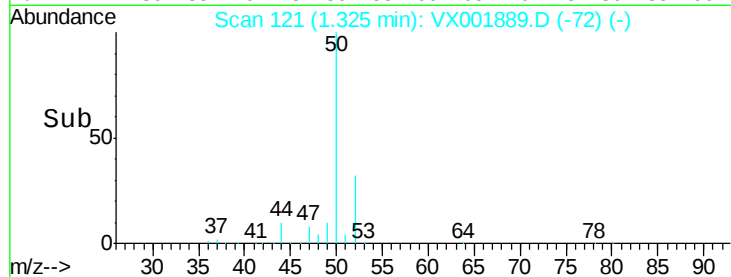
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.859 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001889.D

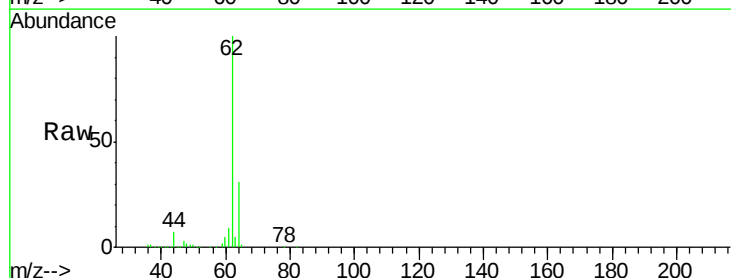
Acq: 21 May 2018 22:18

Tgt Ion: 62 Resp: 126710

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

120000

100000

80000

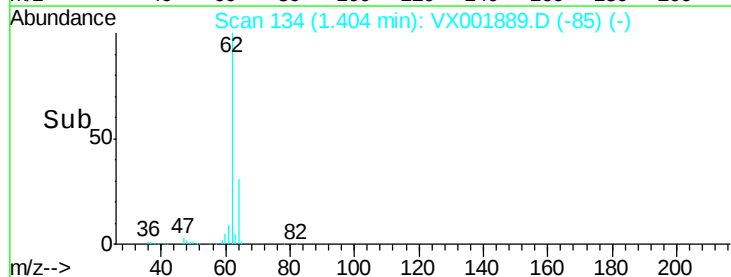
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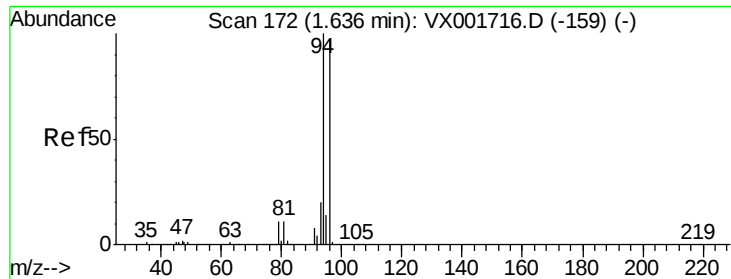
40000

20000

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Time-->





#5

Bromomethane

Concen: 49.171 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52649

Ion Ratio Lower Upper

94 100

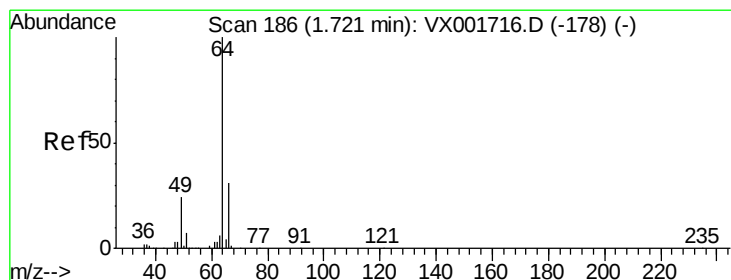
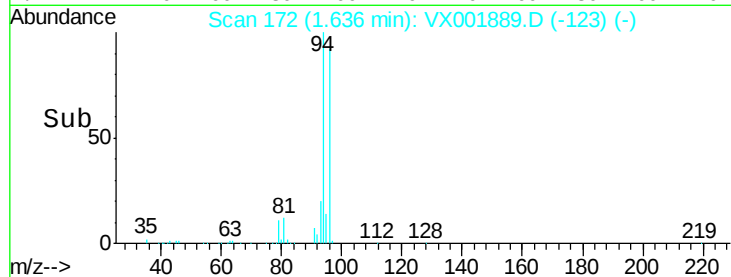
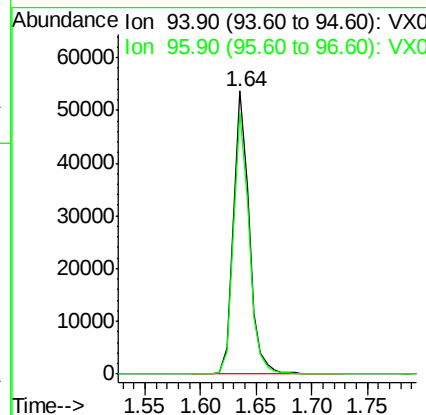
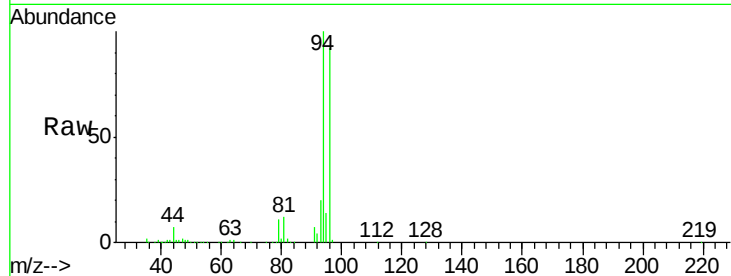
96 92.3 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 59.963 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX001889.D

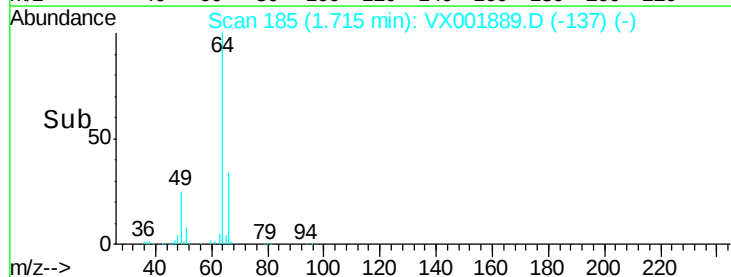
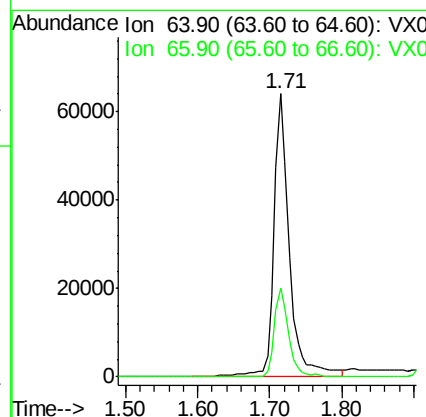
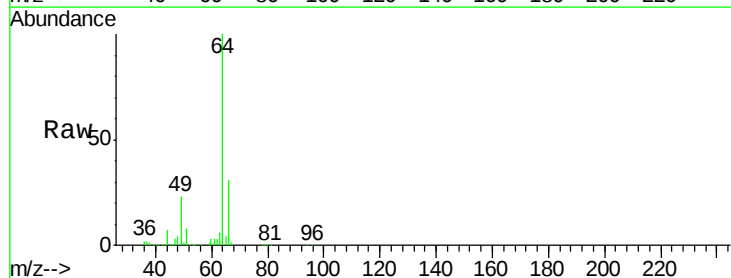
Acq: 21 May 2018 22:18

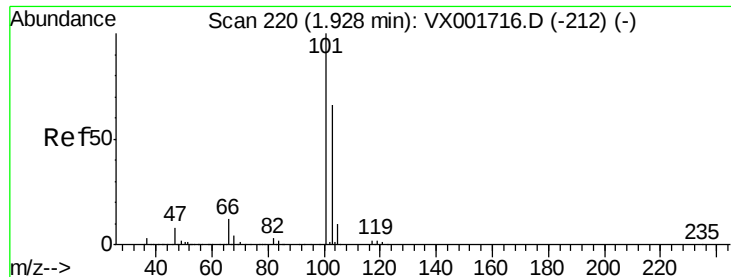
Tgt Ion: 64 Resp: 95987

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8





#7

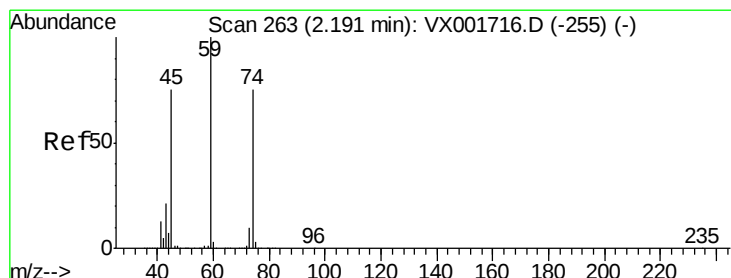
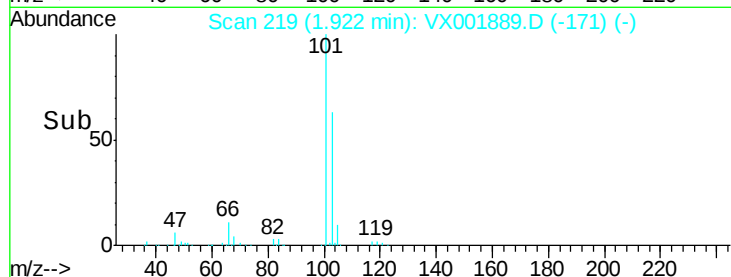
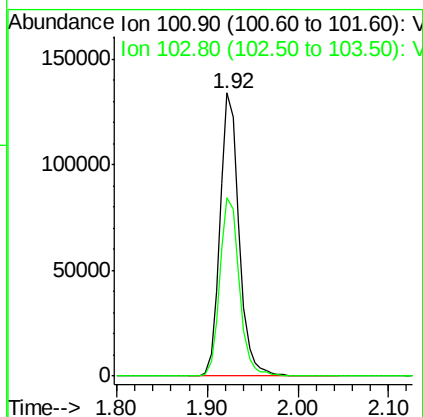
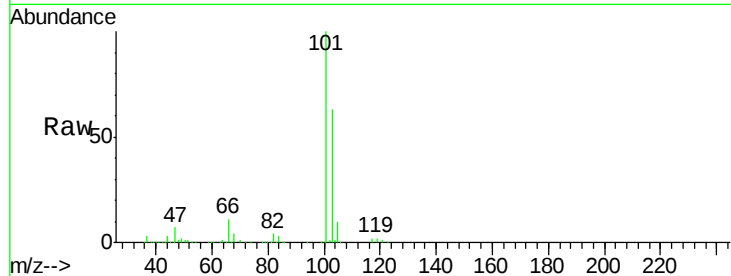
Trichlorofluoromethane
Concen: 53.008 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX001889.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	195755		
103	63.2	52.6	78.8	

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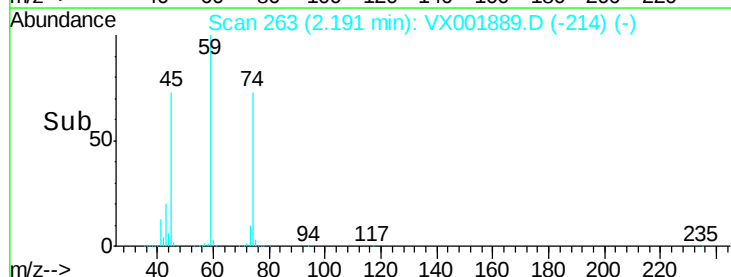
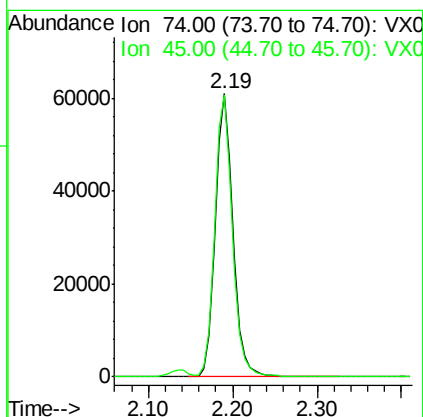
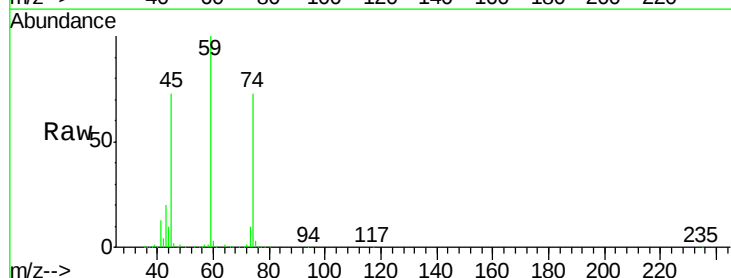
MMDadoda
5/22/2018 12:47:26 PM

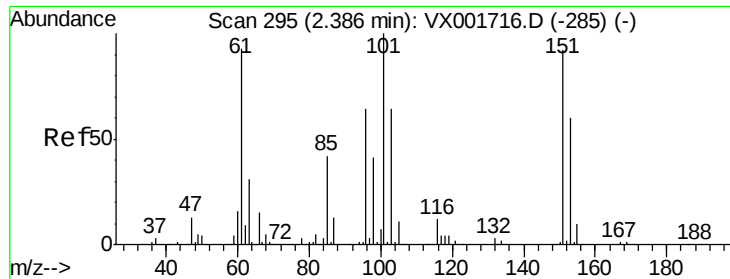


#8

Diethyl Ether
Concen: 58.210 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	88486		
45	99.0	50.0	149.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.458 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

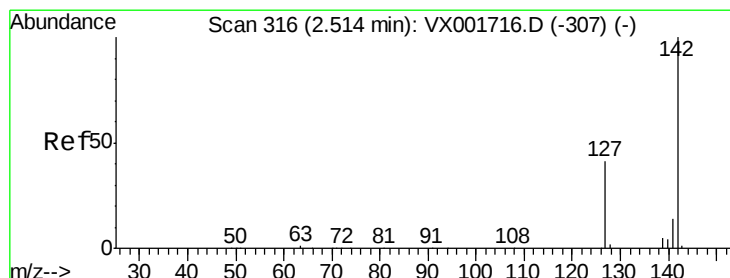
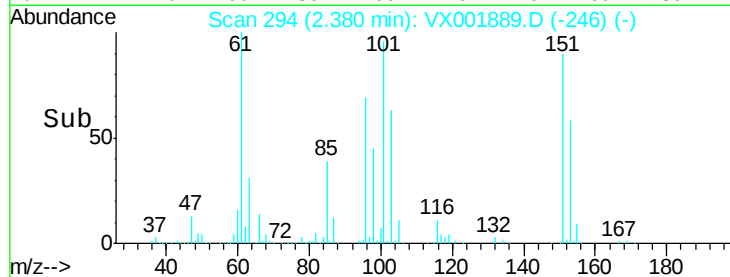
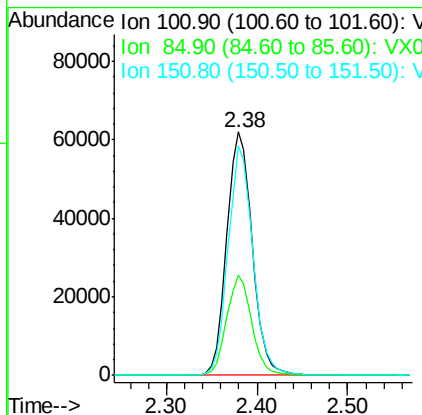
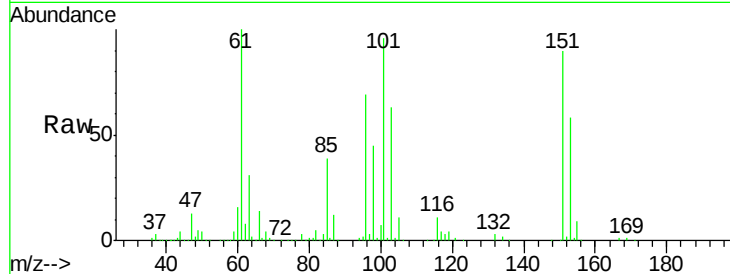
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	121068
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.7	50.5
151	91.6	73.0	109.6

Manual Integrations
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#10

Methyl Iodide

Concen: 74.391 ug/l

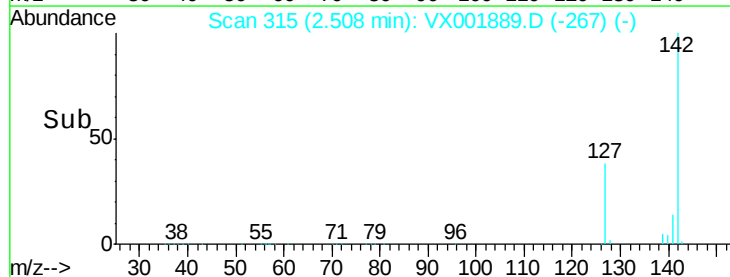
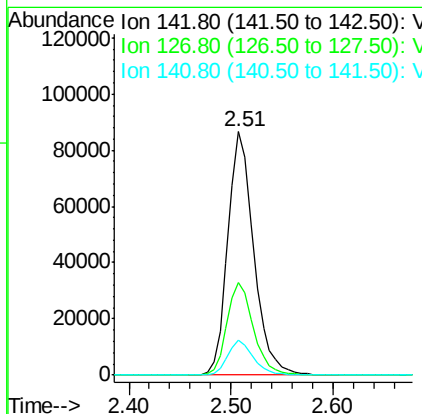
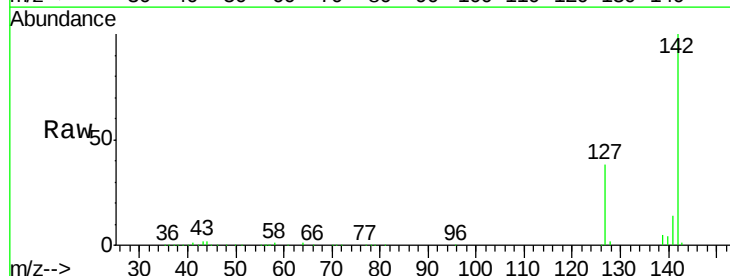
RT: 2.51 min Scan# 315

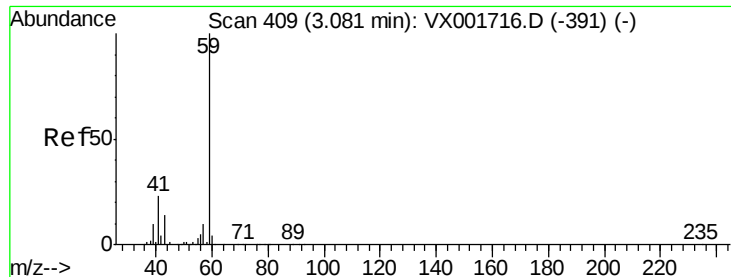
Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion:	142	Resp:	152160
Ion Ratio	Lower	Upper	
142	100		
127	38.8	32.5	48.7
141	14.2	11.4	17.0





#11

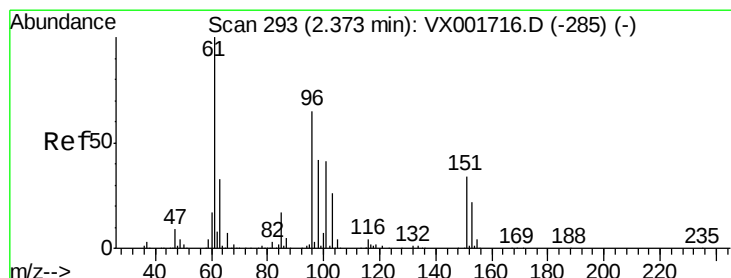
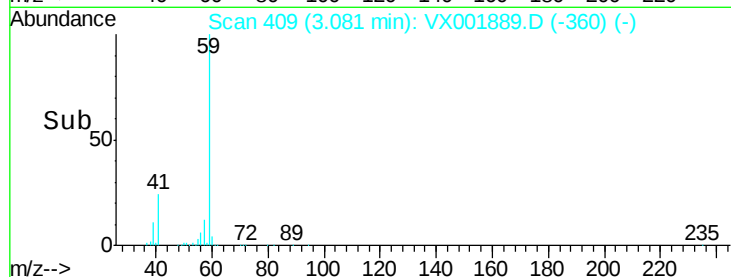
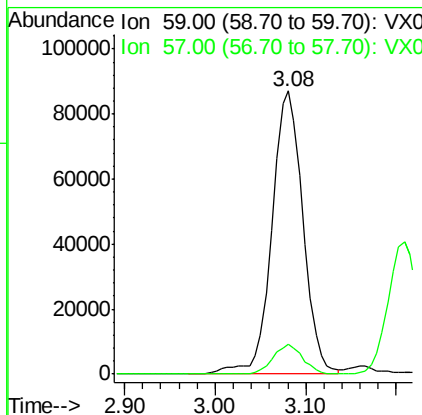
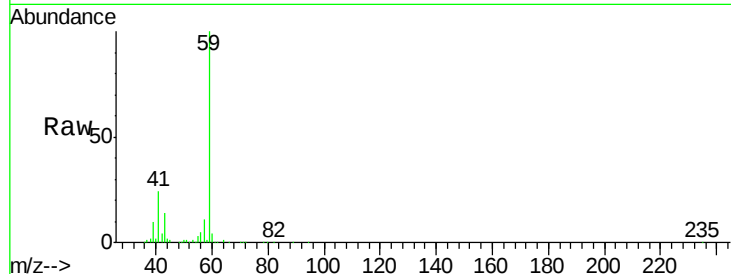
Tert butyl alcohol
Concen: 400.704 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

Manual Integrations
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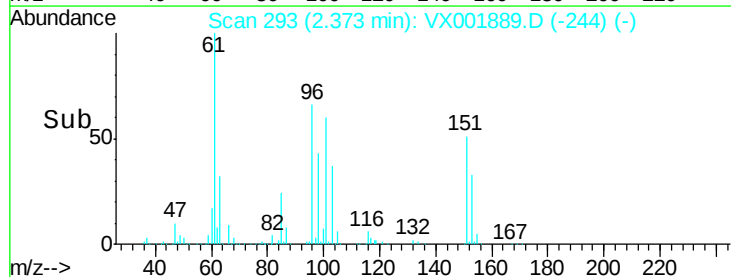
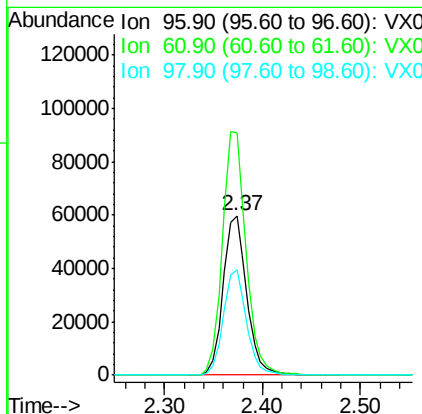
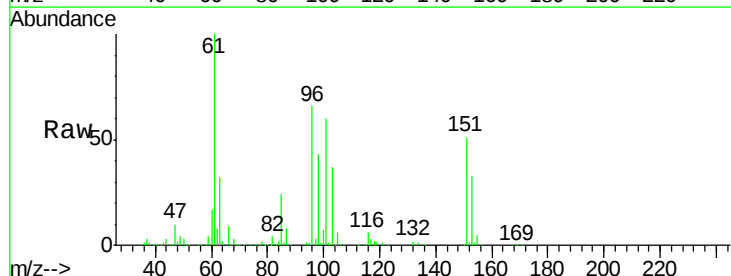
MMDadoda
5/22/2018 12:47:26 PM

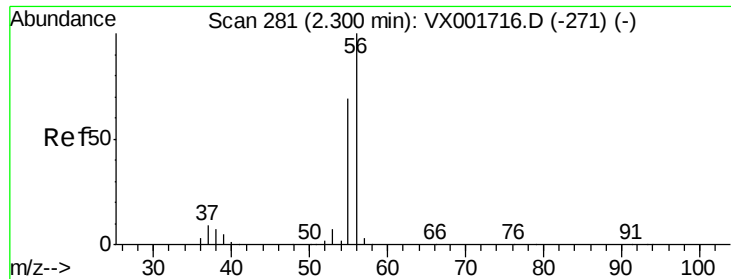


#12

1,1-Dichloroethene
Concen: 46.412 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	122.2	183.2
98	65.9	51.4	77.0





#13

Acrolein

Concen: 152.366 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 55764

Ion Ratio Lower Upper

56 100

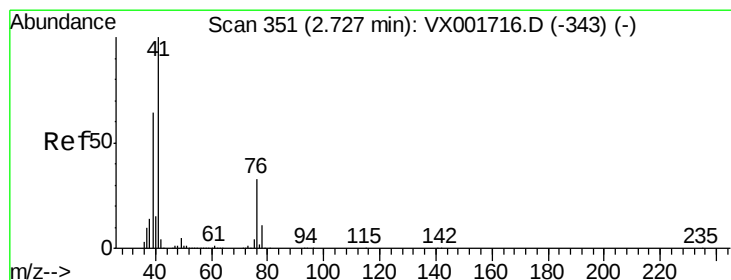
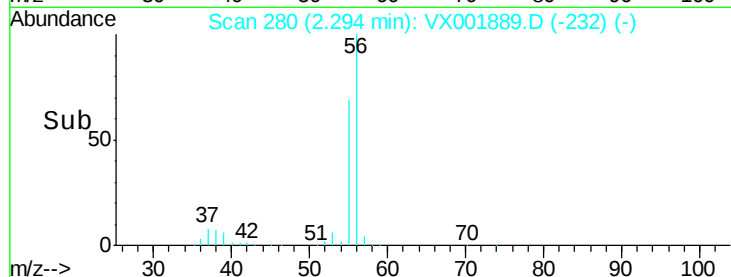
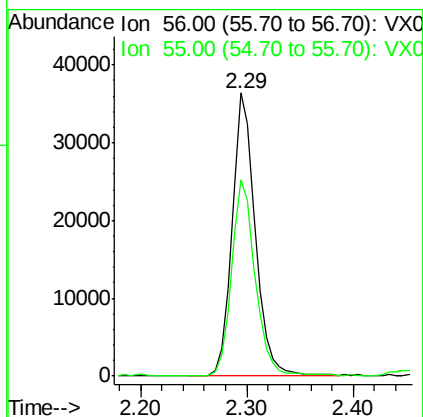
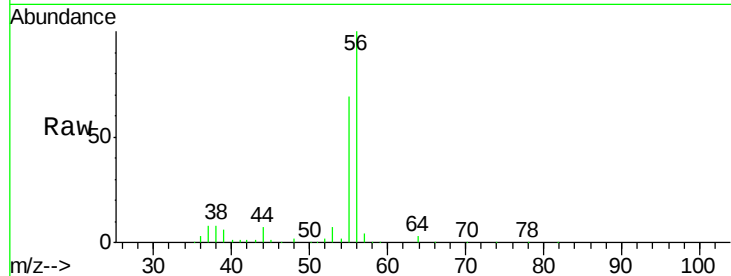
55 70.8 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 52.389 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

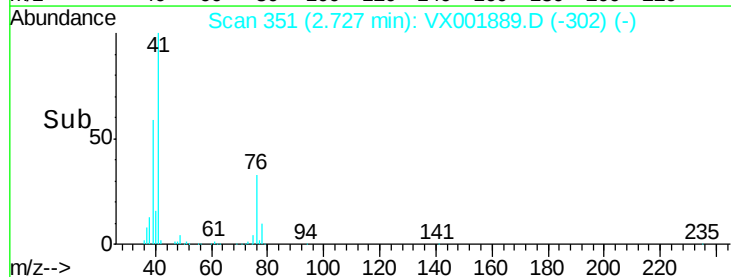
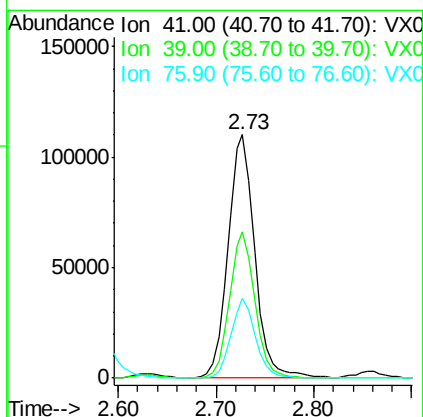
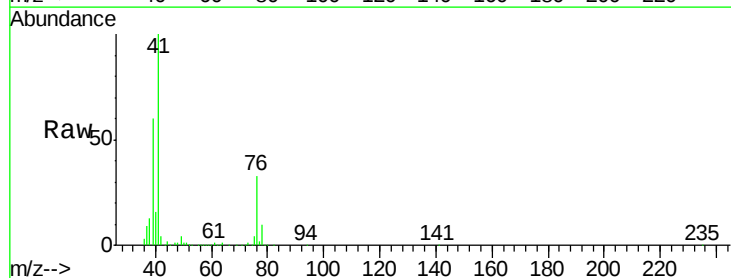
Tgt Ion: 41 Resp: 207551

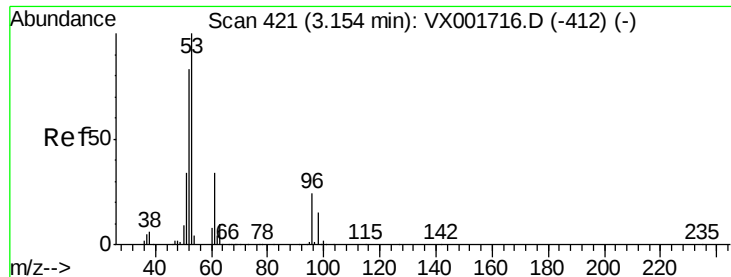
Ion Ratio Lower Upper

41 100

39 56.8 49.8 74.6

76 29.8 25.8 38.8





#15

Acrylonitrile

Concen: 336.779 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

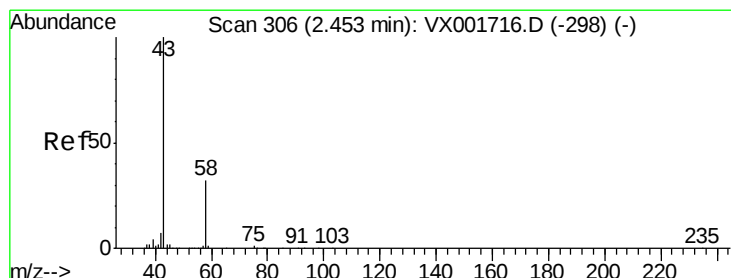
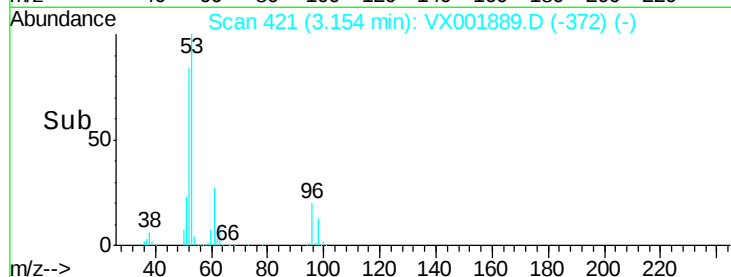
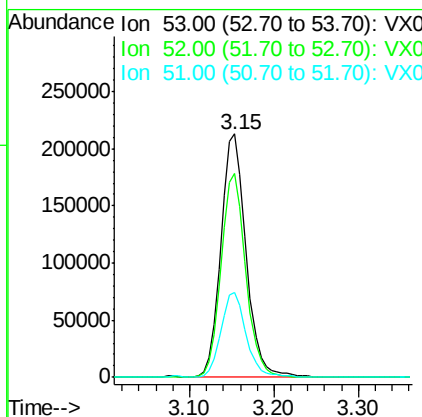
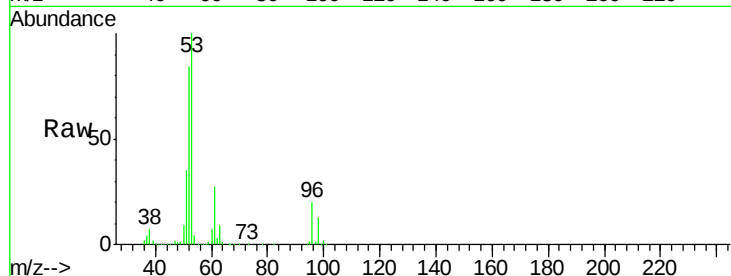
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	436499
Ion Ratio		Lower	Upper
53	100		
52	82.8	65.6	98.4
51	35.4	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 338.488 ug/l

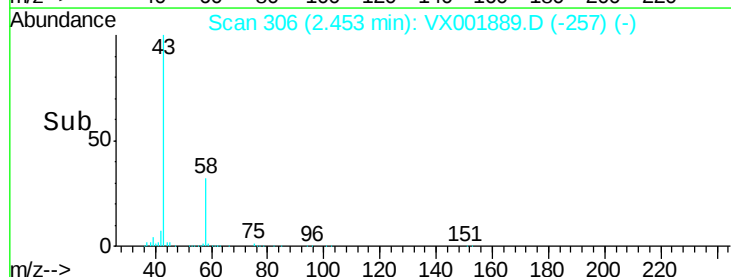
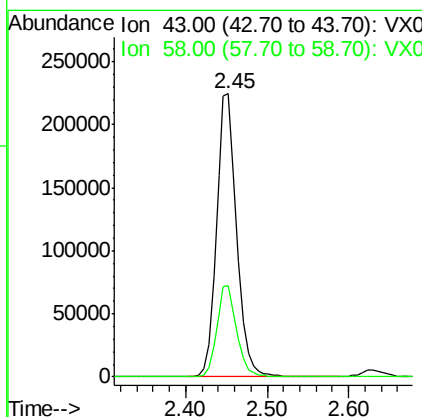
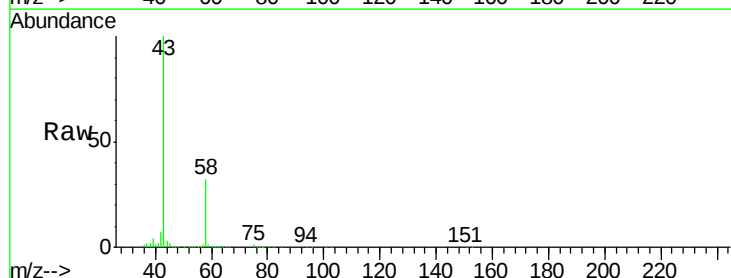
RT: 2.45 min Scan# 306

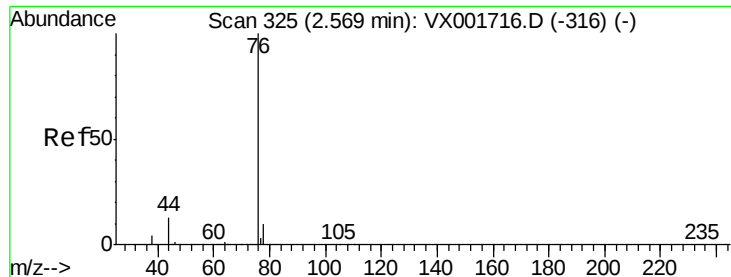
Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion:	43	Resp:	386419
Ion Ratio		Lower	Upper
43	100		
58	32.2	25.3	37.9





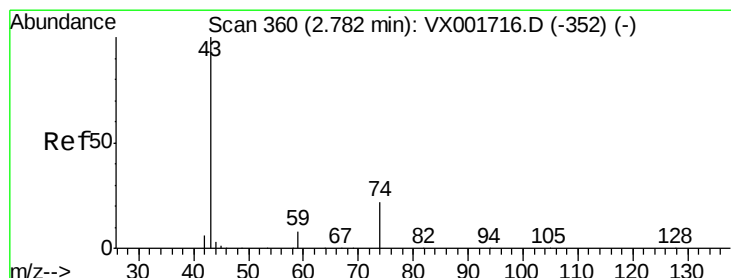
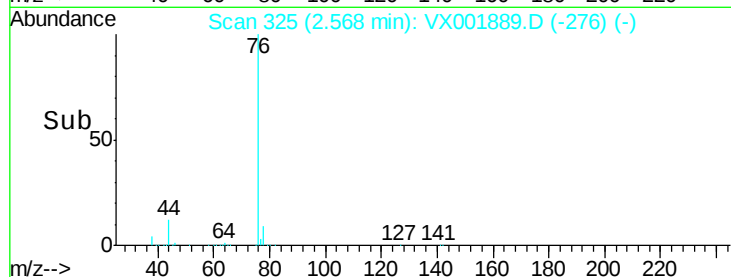
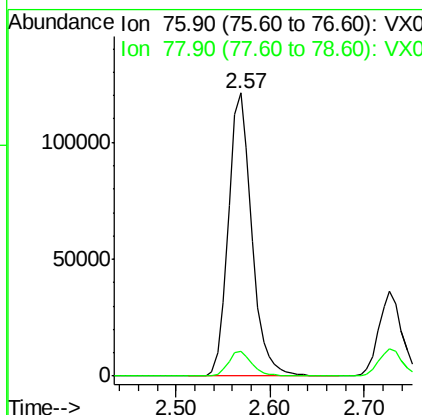
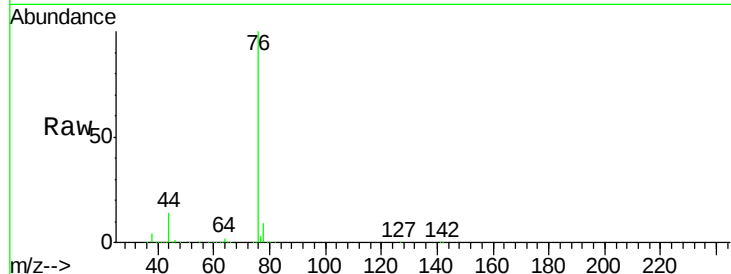
#17
Carbon Disulfide
Concen: 37.352 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
76	100	208833		
78	8.9		7.6	11.4

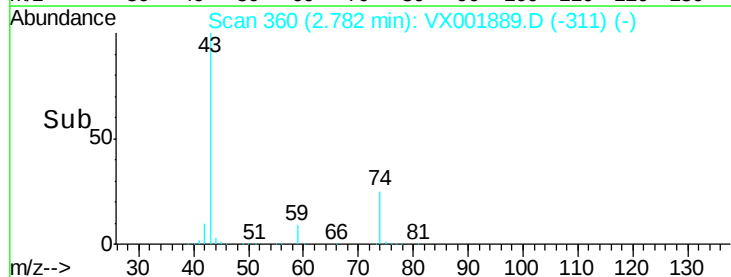
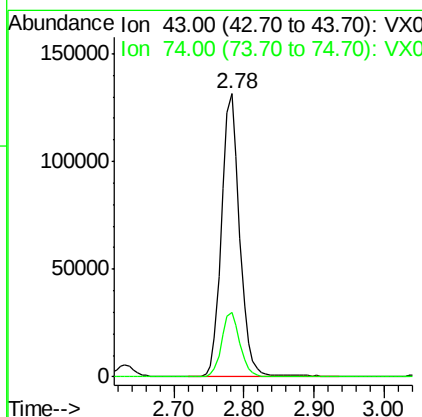
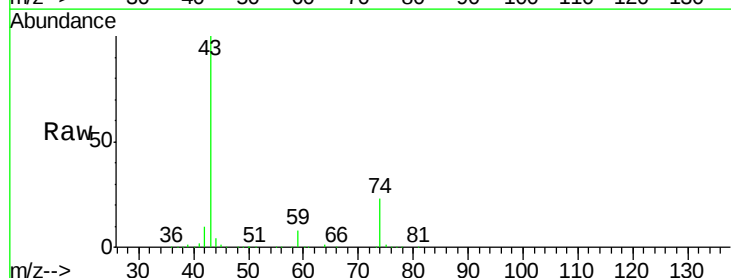
Manual Integrations
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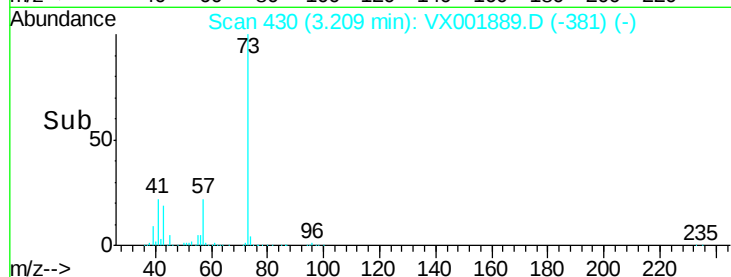
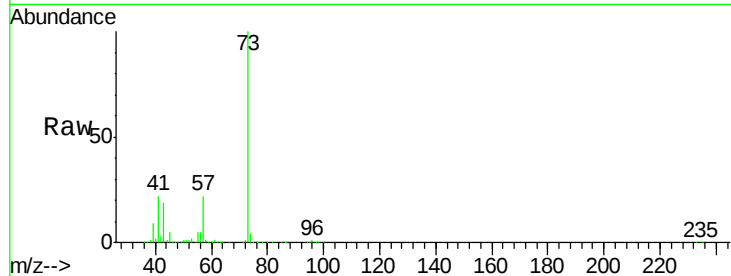
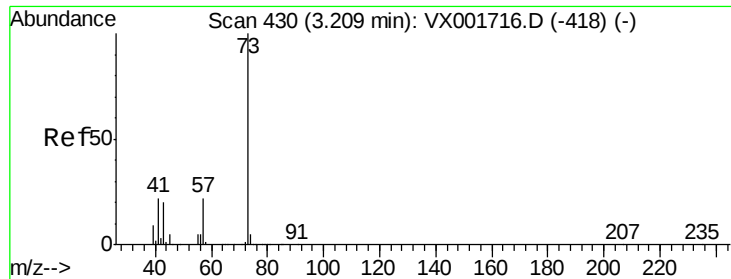
MMDadoda
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#18
Methyl Acetate
Concen: 70.908 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	236649		
74	23.2		18.2	27.2





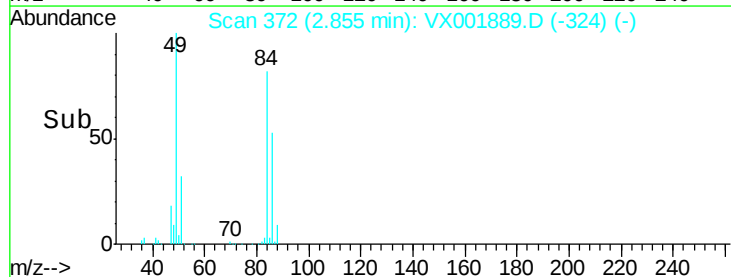
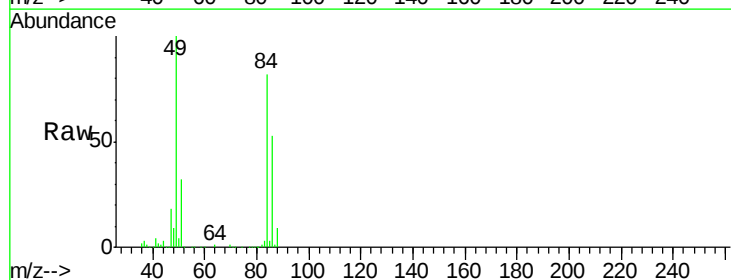
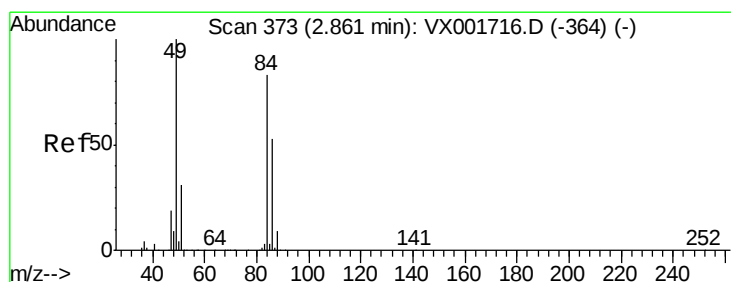
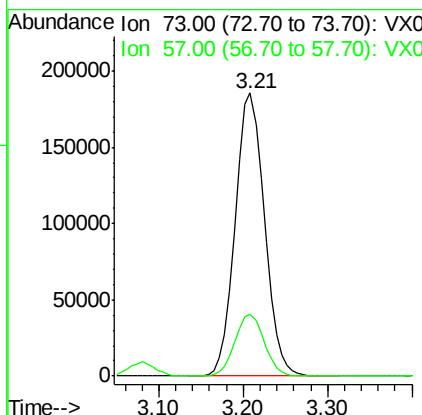
#19
Methvl tert-butvl Ether
Concen: 60.202 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tot Ion: 73 Resp: 434893
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

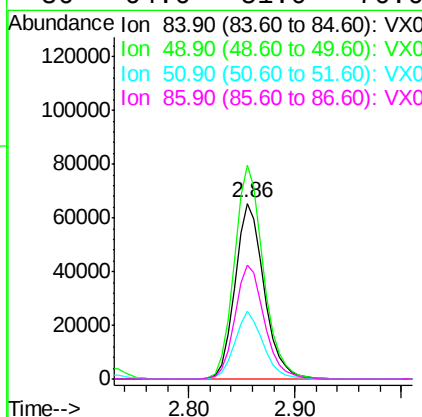
Manual Integrations
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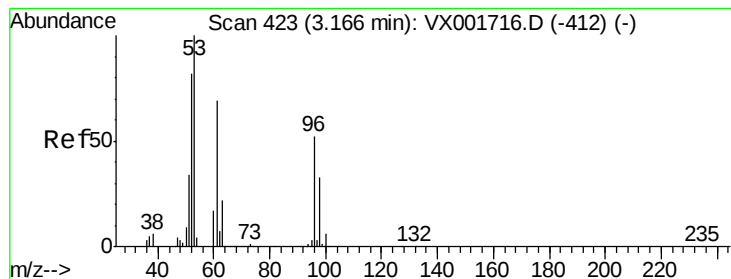
MMDadoda
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#20
Methylene Chloride
Concen: 51.389 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion: 84 Resp: 125575
Ion Ratio Lower Upper
84 100
49 121.7 96.3 144.5
51 38.4 29.8 44.6
86 64.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 44.341 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

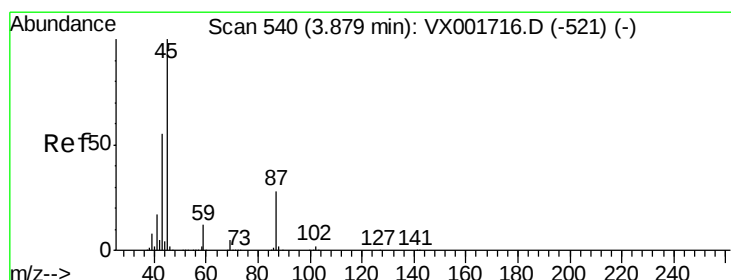
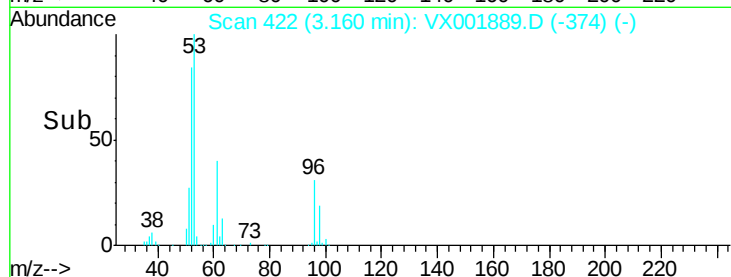
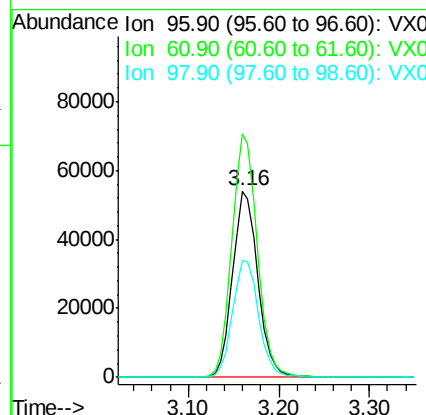
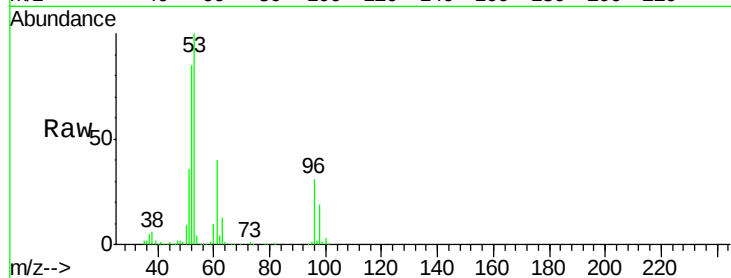
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	104692
Ion	Ratio	Lower	Upper
96	100		
61	130.7	105.8	158.8
98	62.9	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 58.891 ug/l

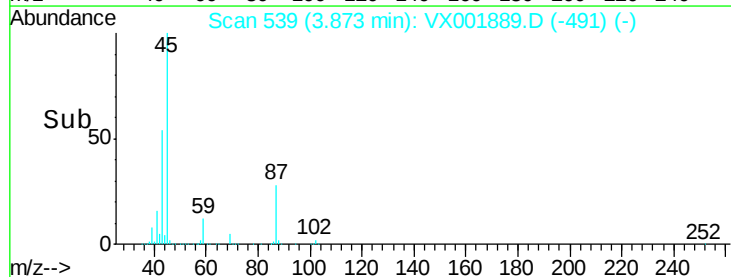
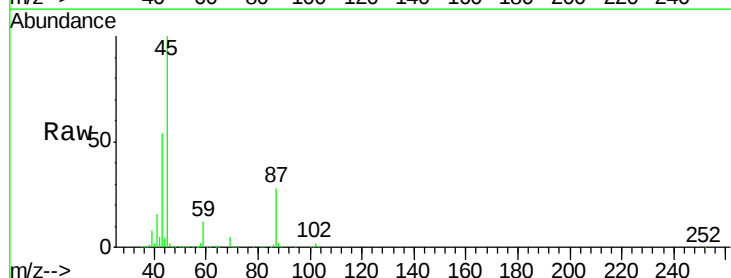
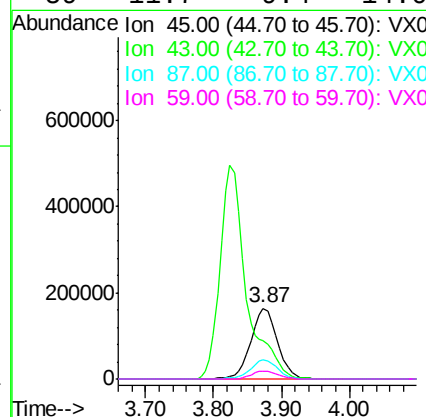
RT: 3.87 min Scan# 539

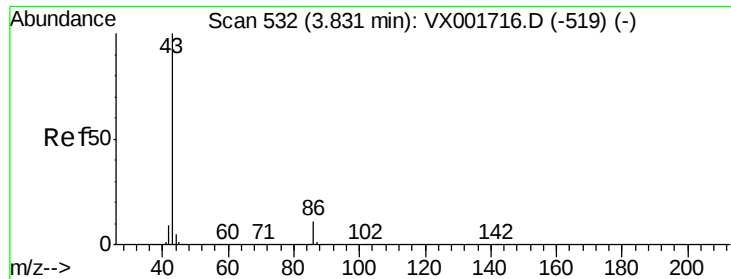
Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion:	45	Resp:	447566
Ion	Ratio	Lower	Upper
45	100		
43	53.6	44.3	66.5
87	27.7	22.6	33.8
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 244.002 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1336069

Ion Ratio Lower Upper

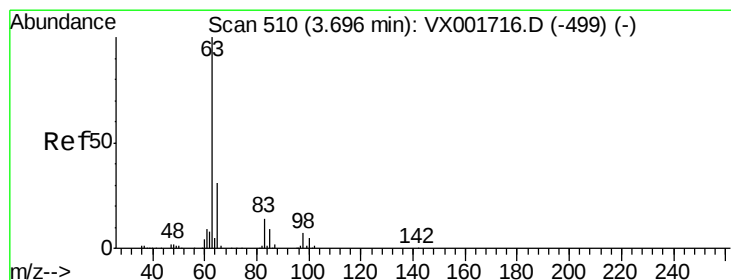
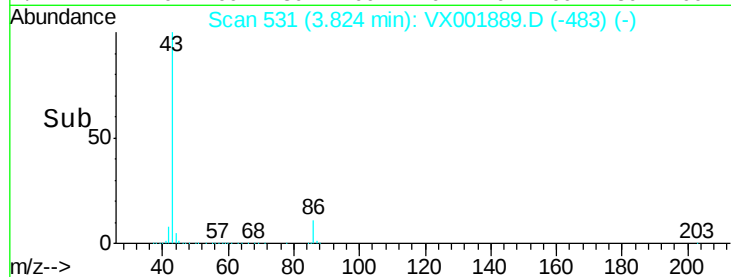
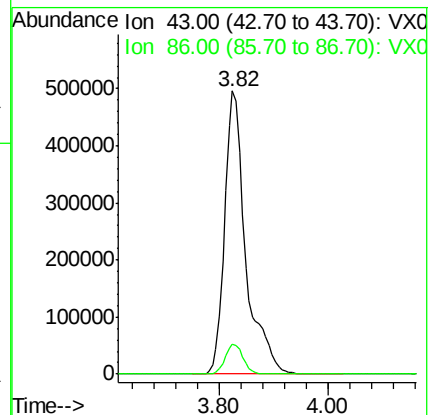
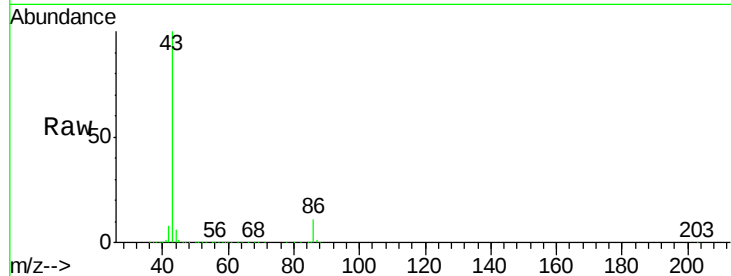
43 100

86 10.7 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 56.867 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

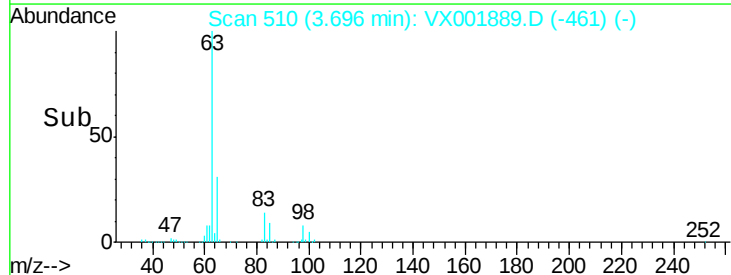
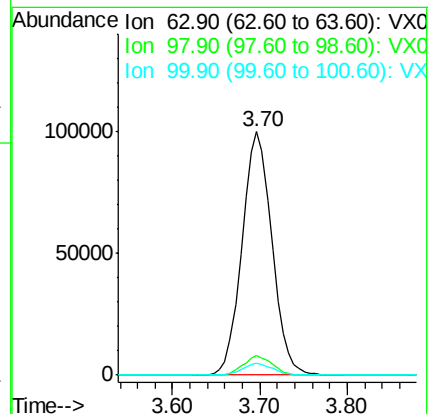
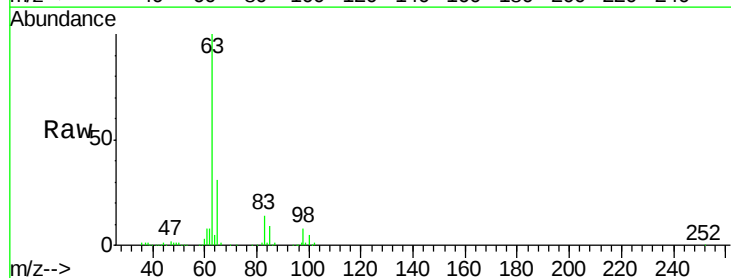
Tgt Ion: 63 Resp: 237018

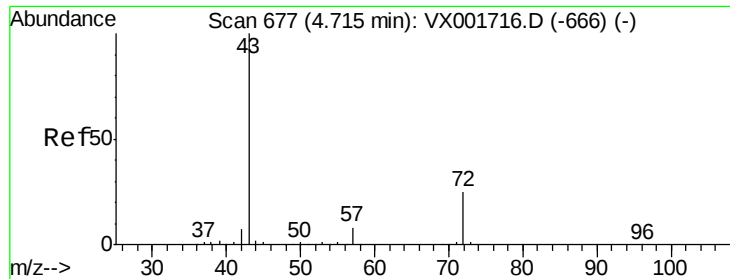
Ion Ratio Lower Upper

63 100

98 7.9 3.7 11.1

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 371.984 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 650155

Ion Ratio Lower Upper

43 100

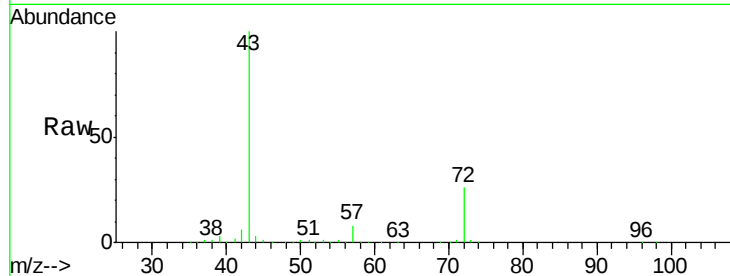
72 26.2 19.8 29.6

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

250000

200000

150000

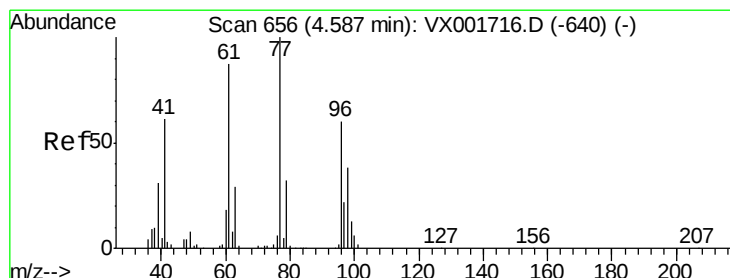
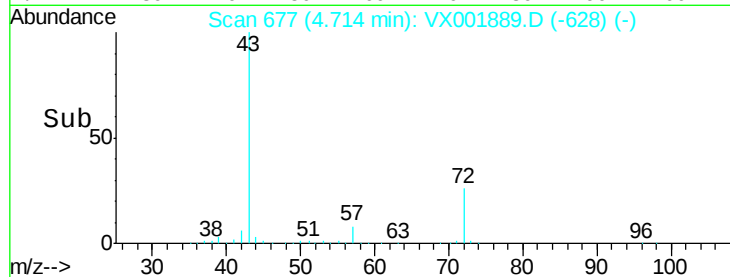
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.365 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX001889.D

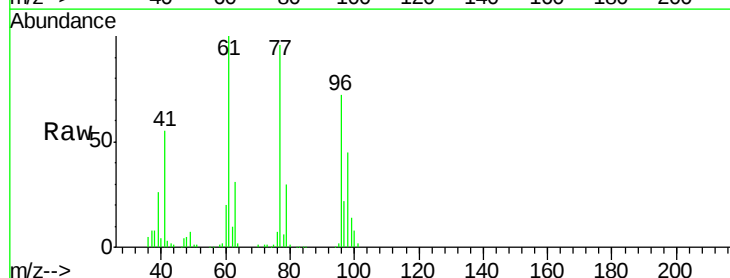
Acq: 21 May 2018 22:18

Tgt Ion: 77 Resp: 135442

Ion Ratio Lower Upper

77 100

97 25.5 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

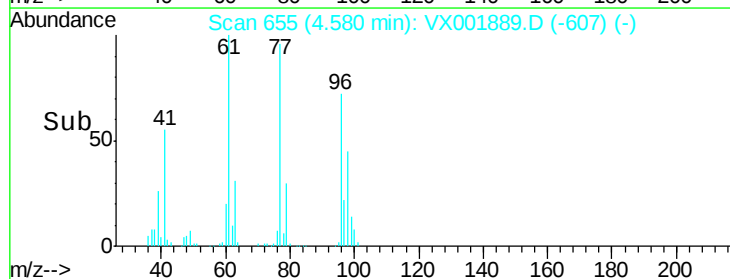
20000

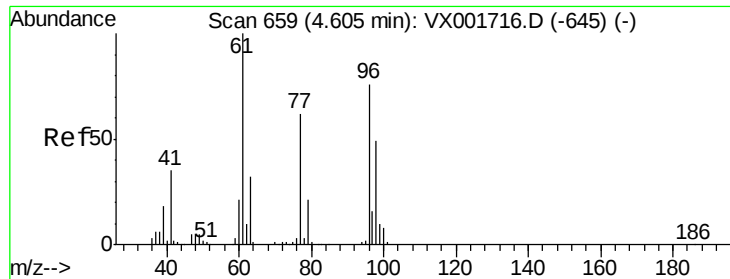
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

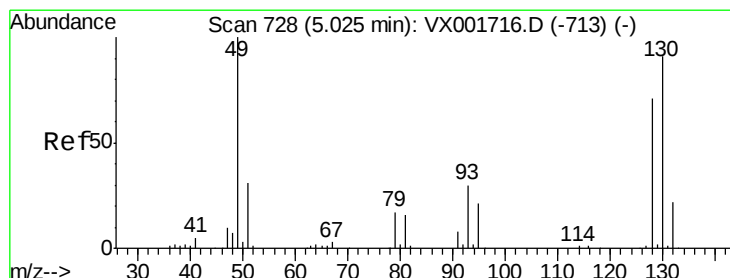
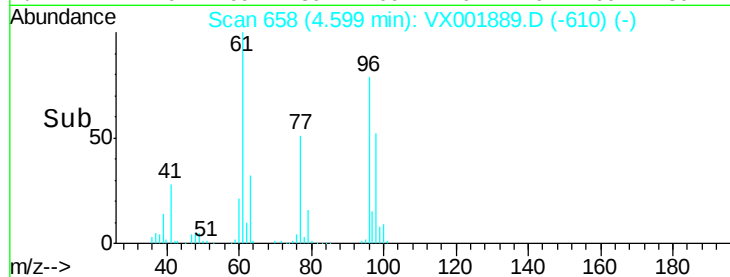
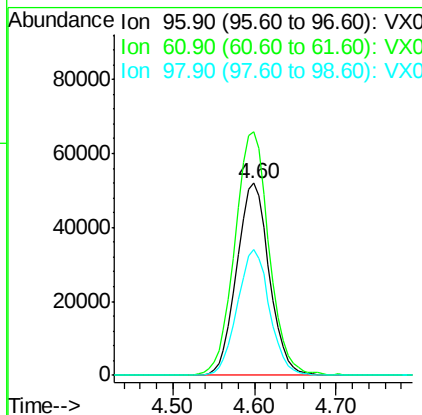
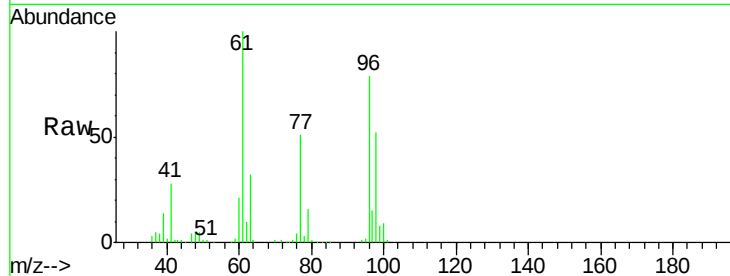
cis-1,2-Dichloroethene
 Concen: 53.620 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	144063		
61	132.9	0.0	280.4	
98	64.7	0.0	128.4	

Manual Integrations
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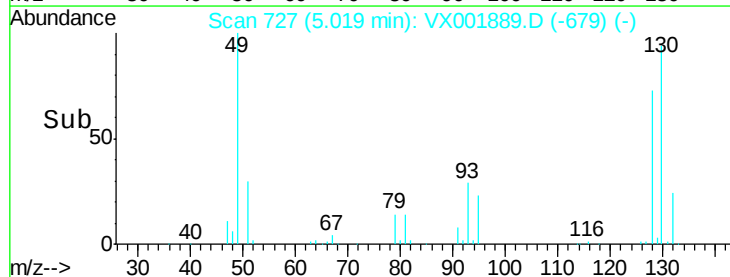
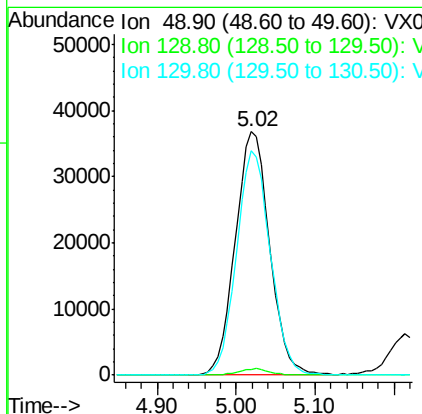
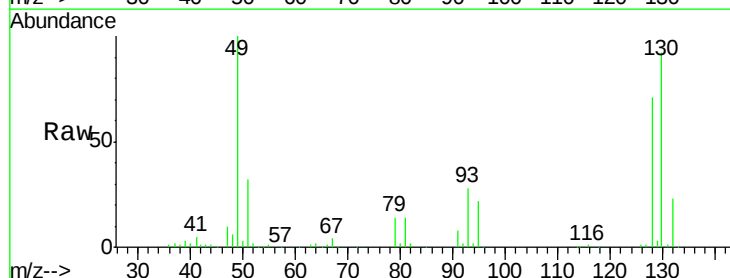
MMDadoda
 5/22/2018 12:47:26 PM

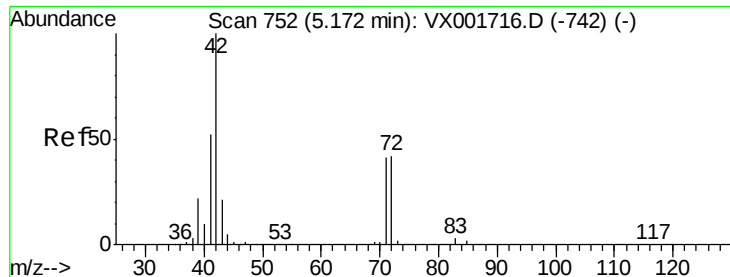


#28

Bromochloromethane
 Concen: 60.294 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	111630		
129	2.4	0.0	5.0	
130	90.7	71.8	107.6	





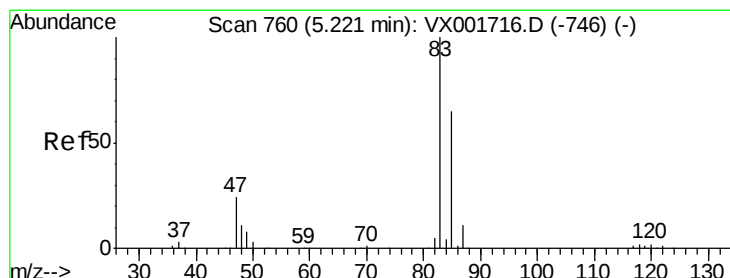
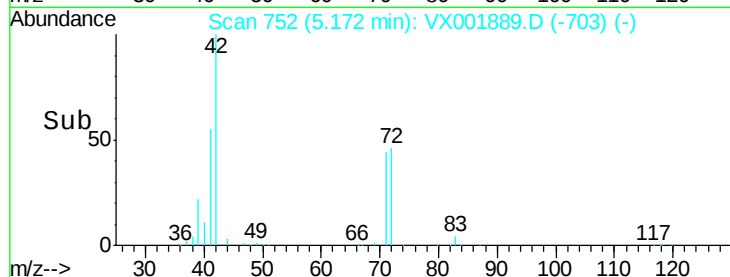
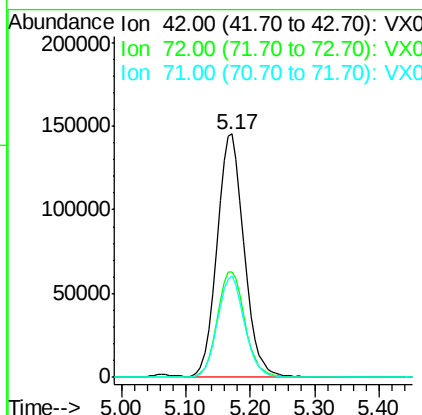
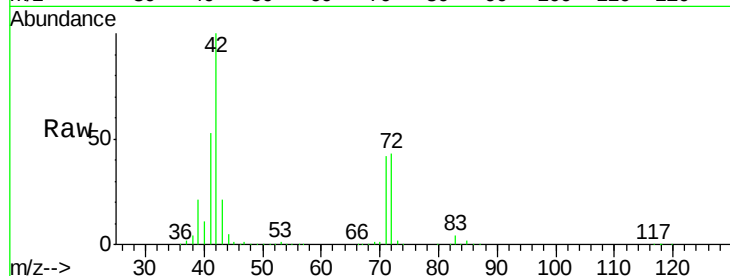
#29
Tetrahydrofuran
Concen: 375.822 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.4	53.2
71	41.6	33.2	49.8

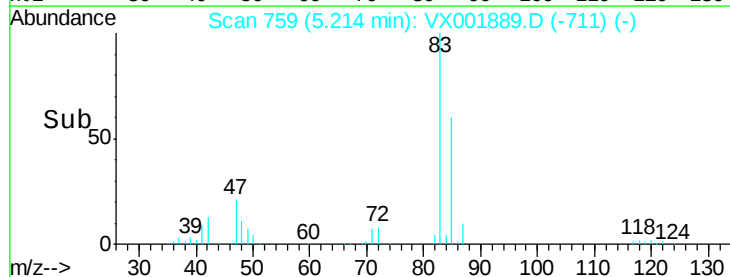
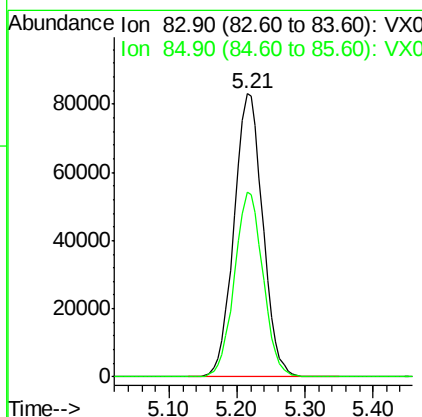
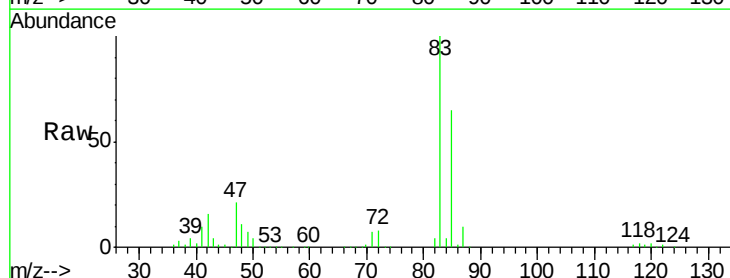
Manual Integrations
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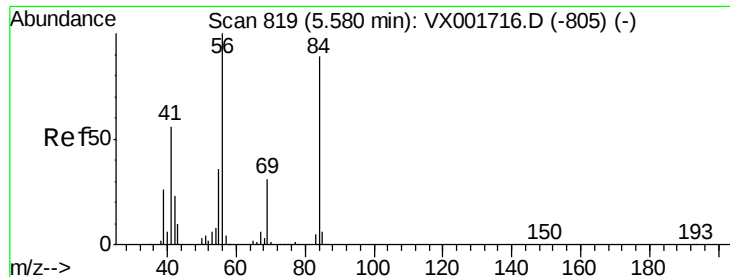
MMDadoda
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#30
Chloroform
Concen: 55.648 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.3	78.5





#31

Cyclohexane

Concen: 54.808 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

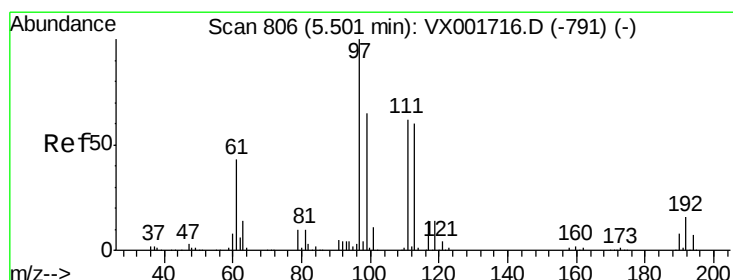
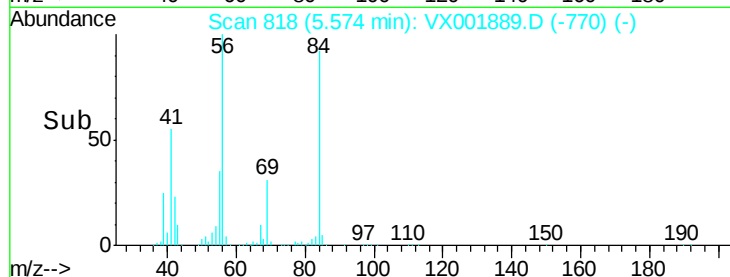
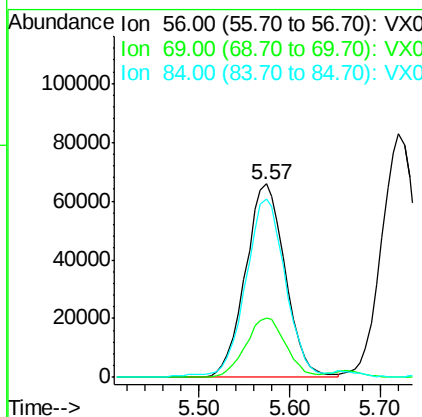
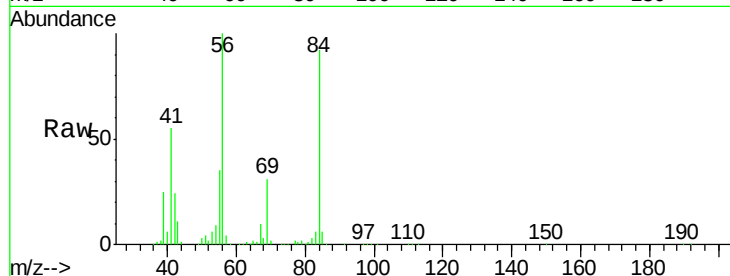
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.6
84	90.8	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 58.295 ug/l

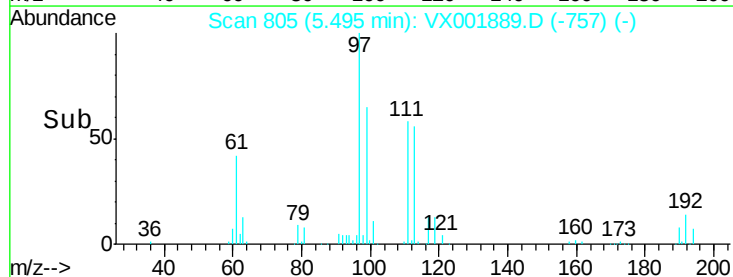
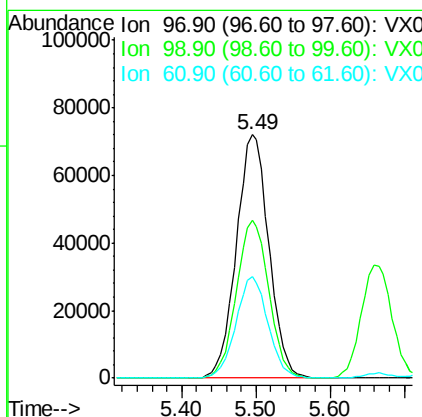
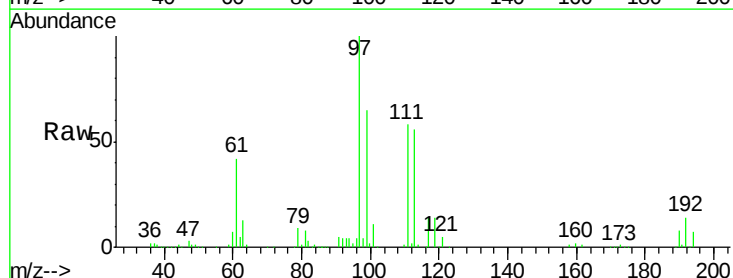
RT: 5.49 min Scan# 805

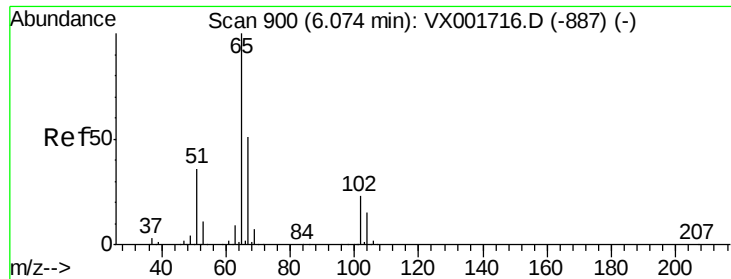
Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.3	76.9
61	41.3	34.0	51.0





#33

1,2-Dichloroethane-d4

Concen: 49.747 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 144594

Ion Ratio Lower Upper

65 100

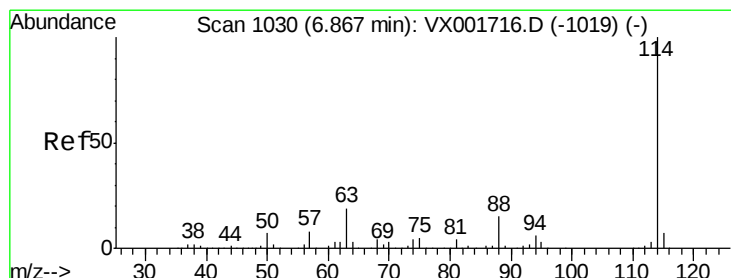
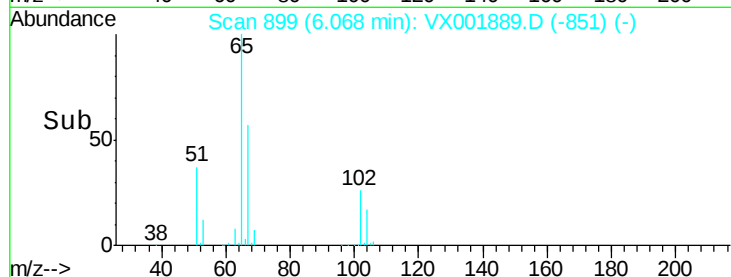
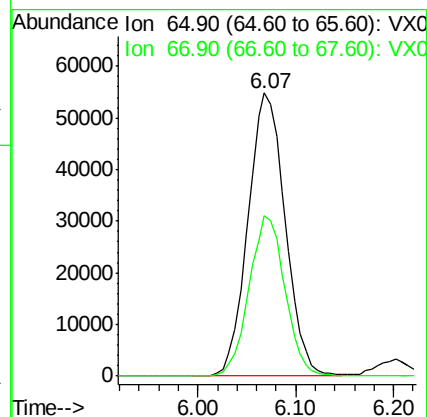
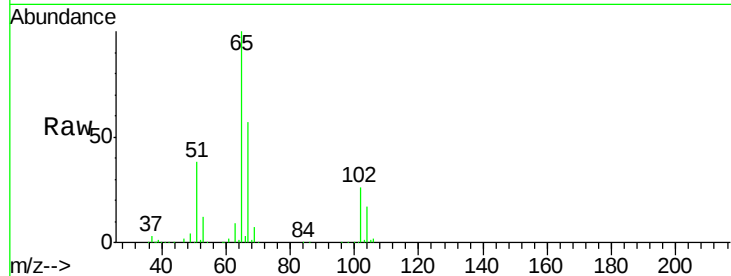
67 54.8 0.0 102.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

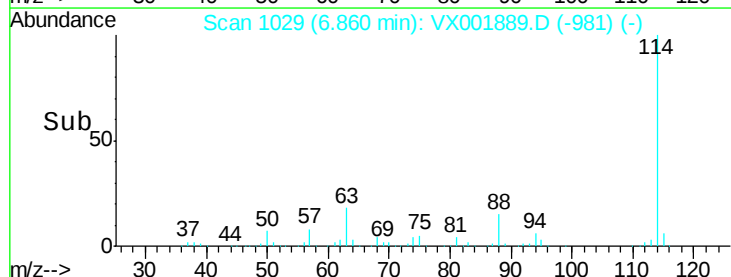
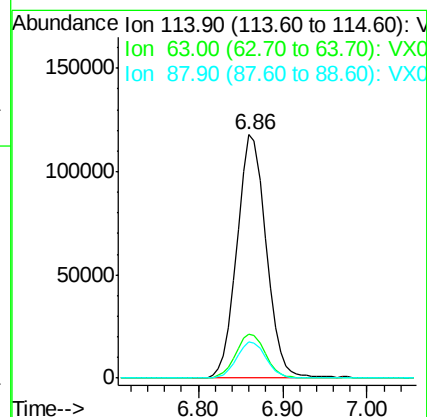
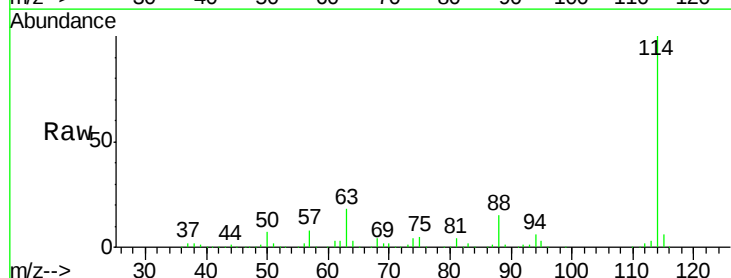
Tgt Ion: 114 Resp: 276831

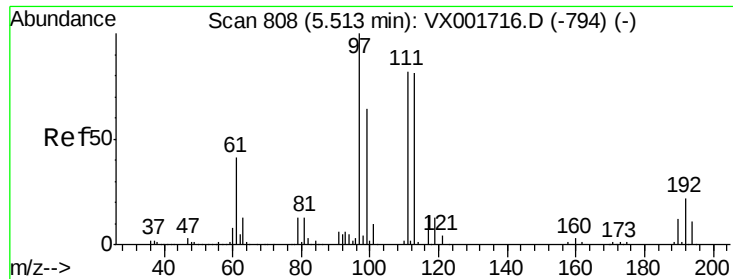
Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.0

88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 56.100 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

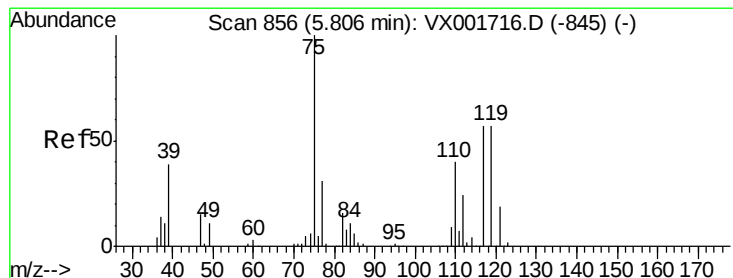
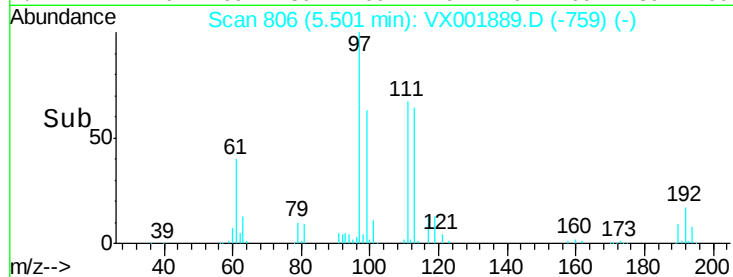
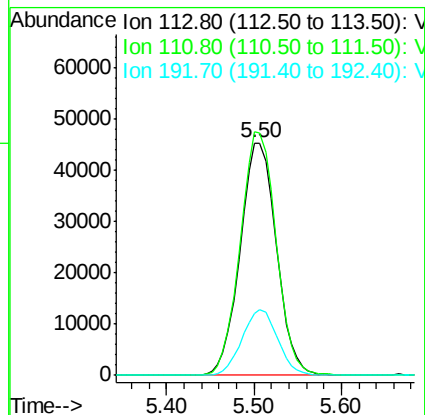
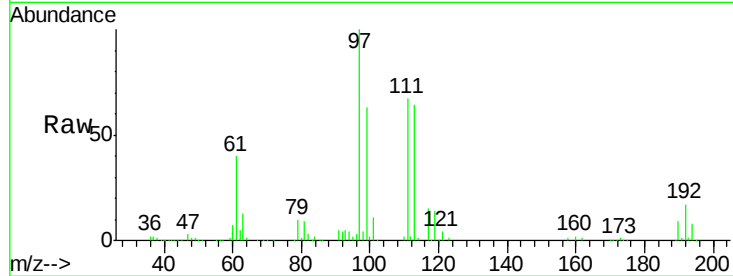
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	131060
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.0	123.0
192	27.7	21.6	32.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.676 ug/l

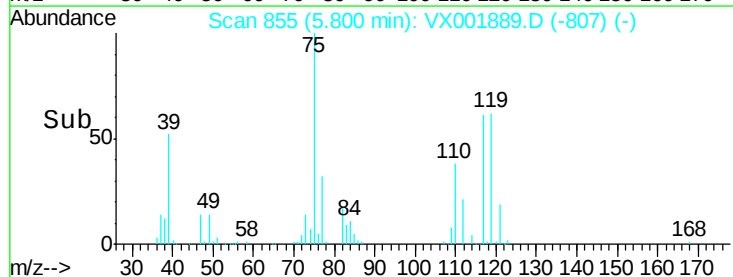
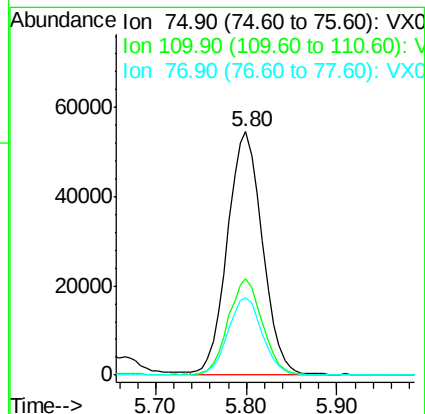
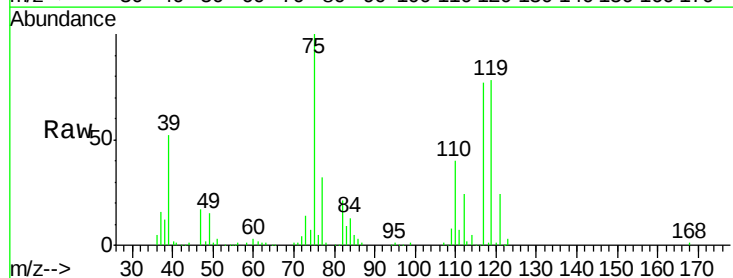
RT: 5.80 min Scan# 855

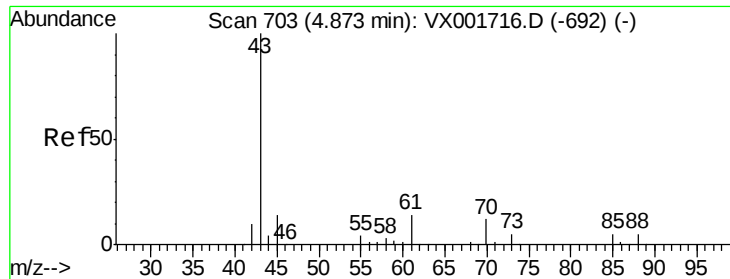
Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion:	75	Resp:	145560
Ion Ratio	Lower	Upper	
75	100		
110	38.9	19.1	57.1
77	31.8	24.6	37.0





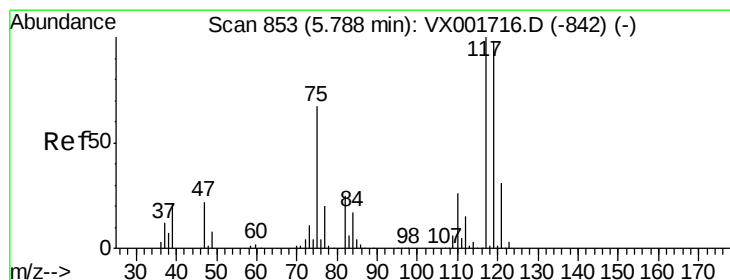
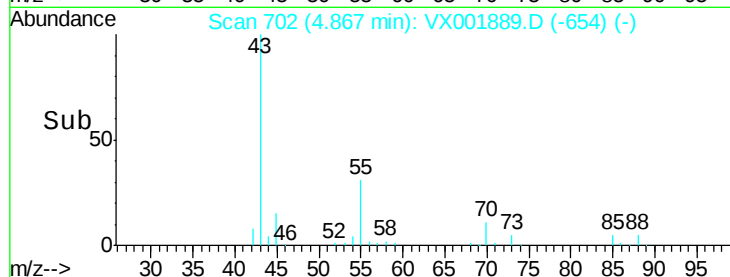
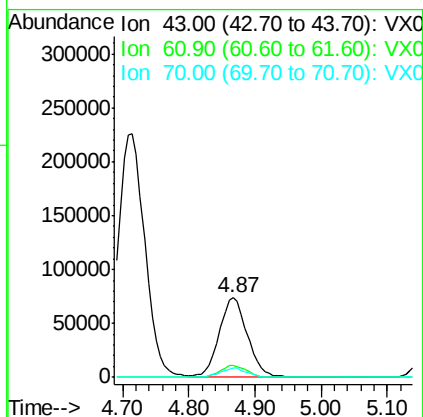
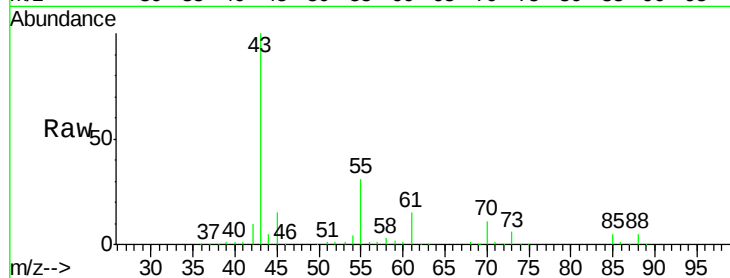
#37
Ethyl Acetate
Concen: 65.330 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	11.1	8.8	13.2

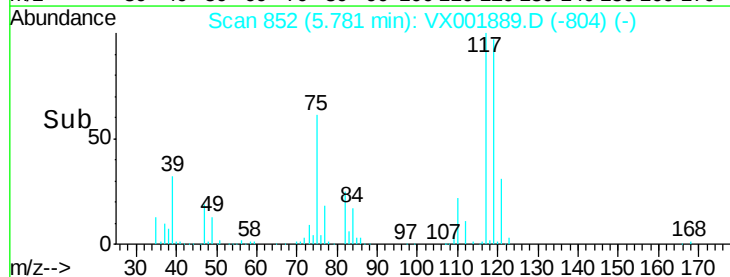
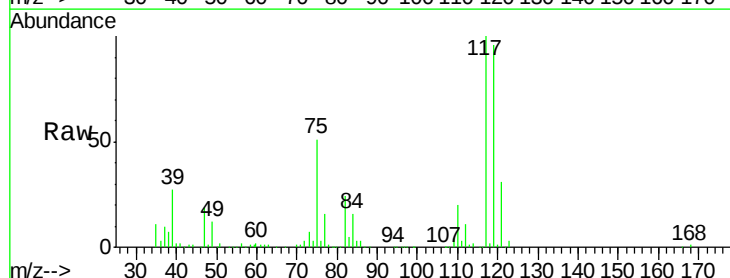
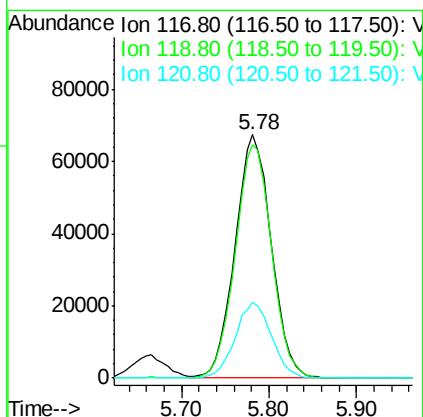
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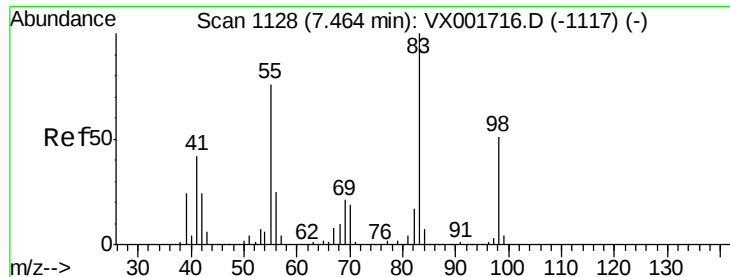
MMDadoda
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#38
Carbon Tetrachloride
Concen: 57.952 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.6	116.4
121	31.0	24.6	36.8





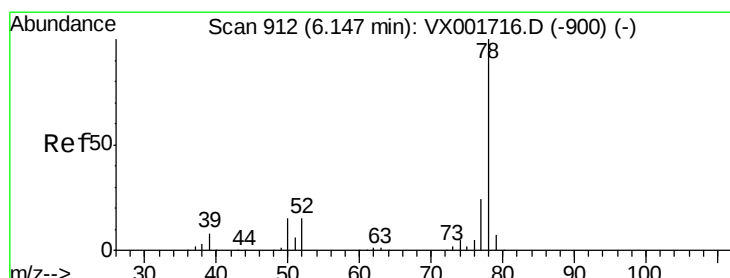
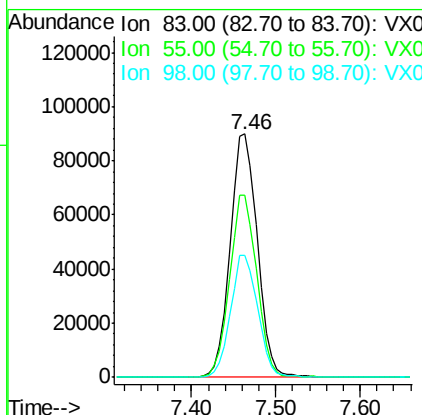
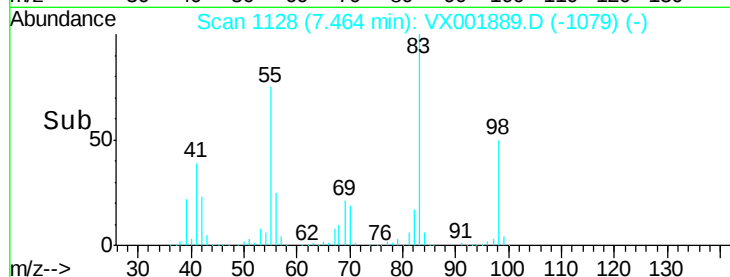
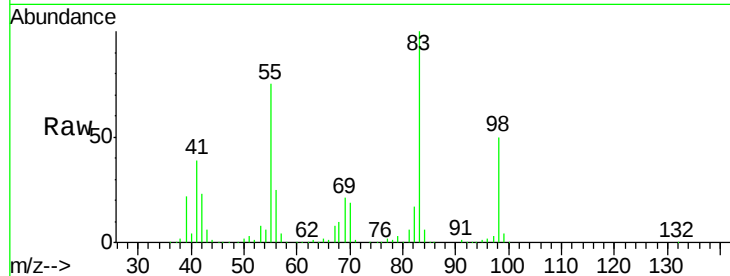
#39
Methvlcvclohexane
Concen: 52.669 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	196107		
55	74.8		60.6	90.8
98	50.1		40.4	60.6

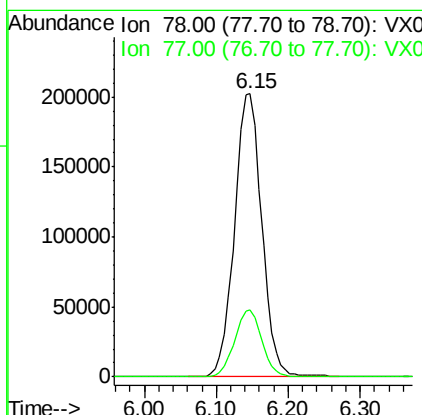
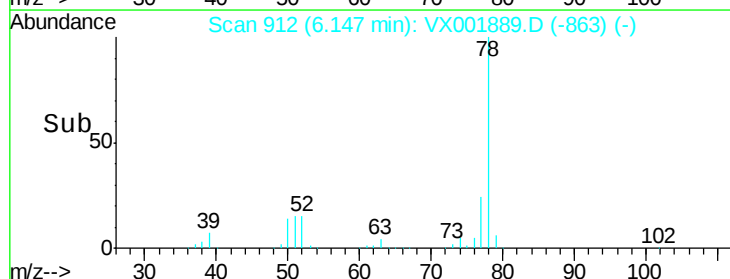
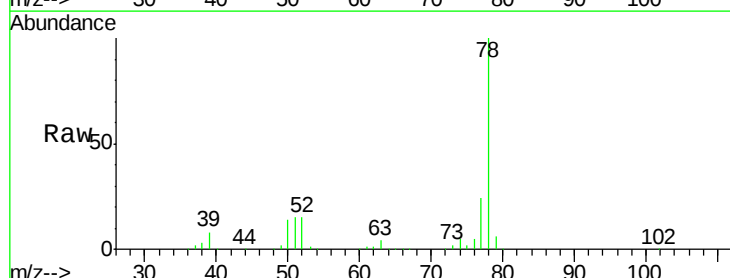
Manual Integrations
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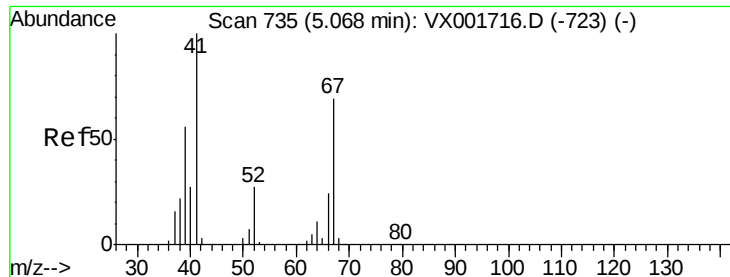
MMDadoda
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#40
Benzene
Concen: 56.753 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	532877		
77	23.8		19.0	28.4





#41

Methacrylonitrile

Concen: 67.634 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

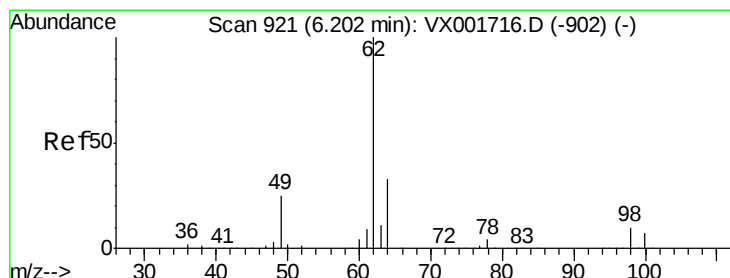
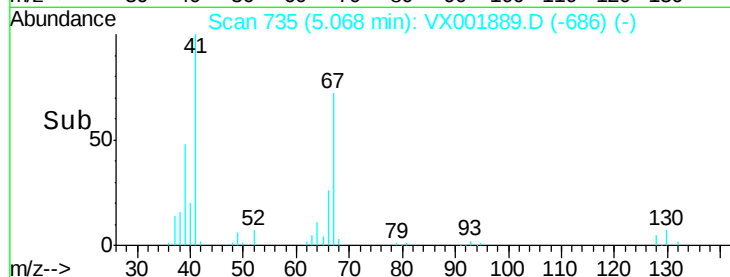
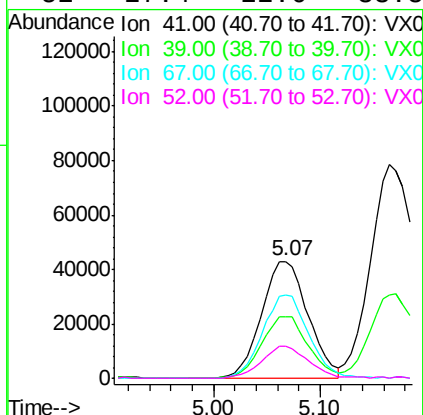
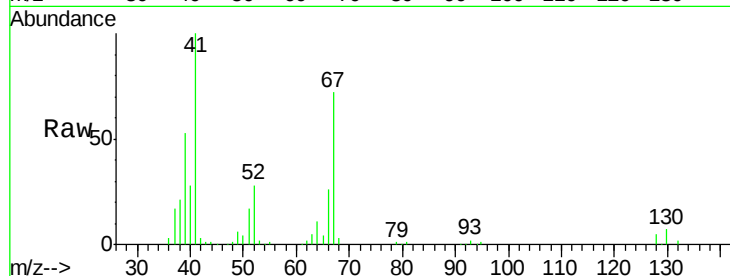
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	52.5	44.2	66.4		
67	71.1	56.0	84.0		
52	27.4	22.6	33.8		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.027 ug/l

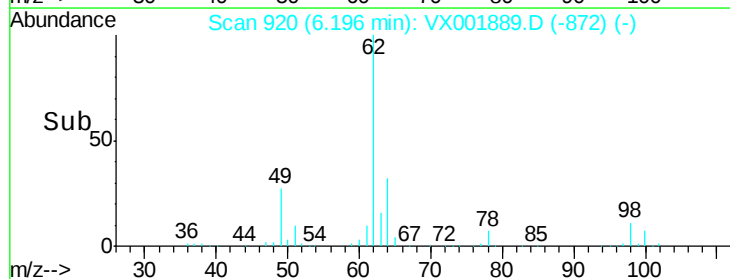
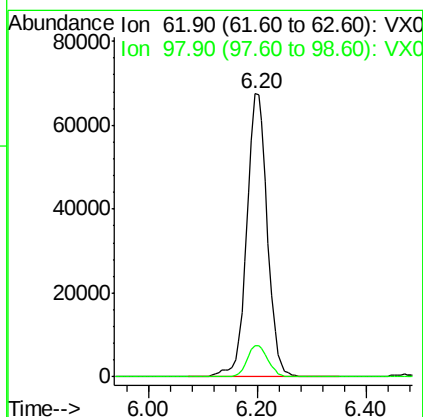
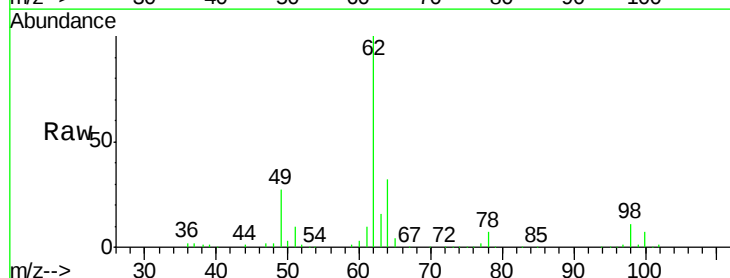
RT: 6.20 min Scan# 920

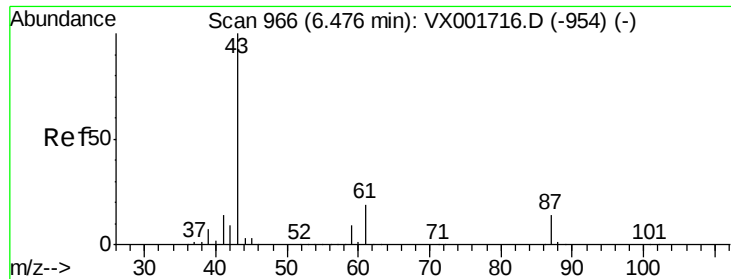
Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	11.2	0.0	20.0		





#43

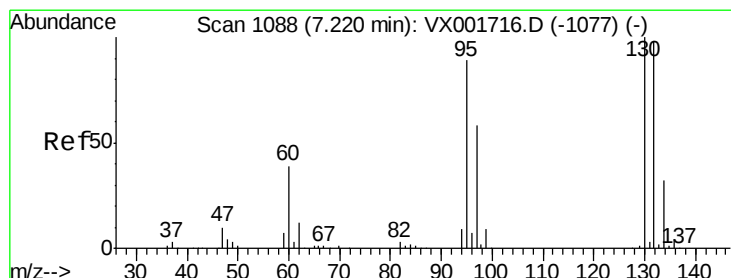
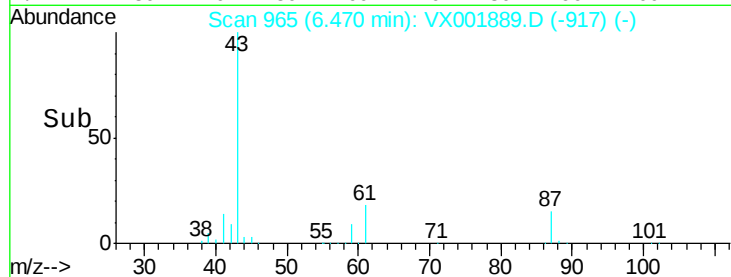
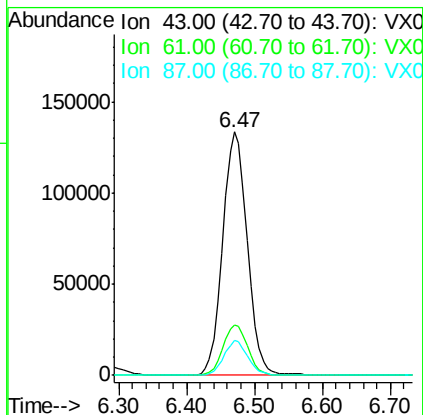
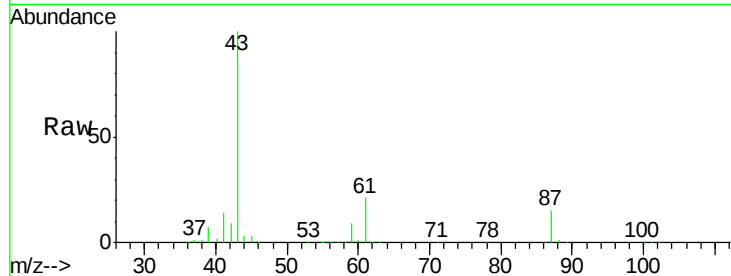
Isopropyl Acetate
 Concen: 64.230 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	15.8	23.8
87	14.1	11.0	16.4

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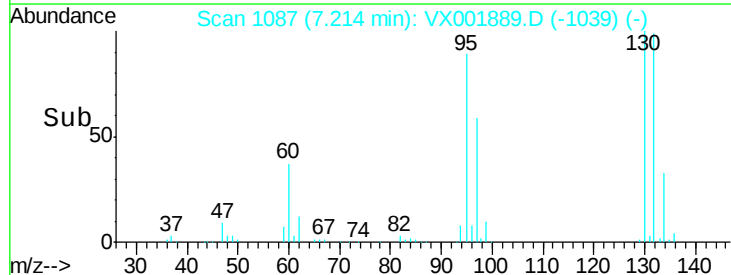
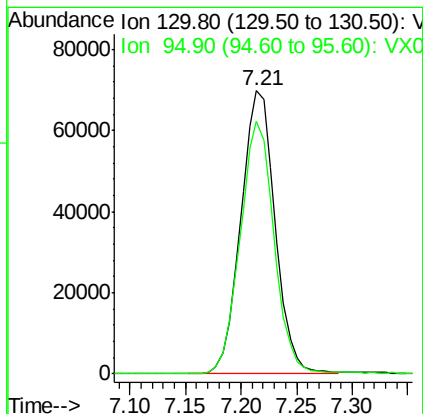
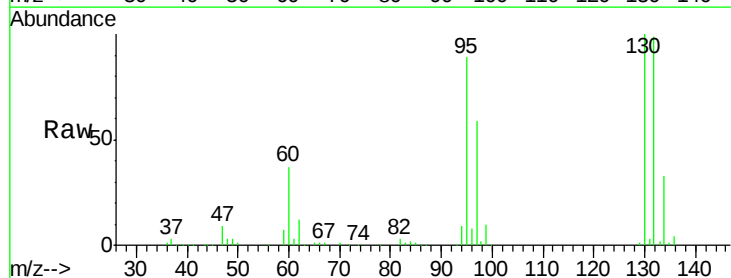
MMDadoda
 5/22/2018 12:47:26 PM

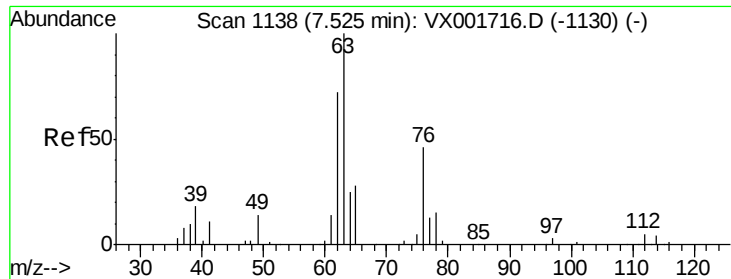


#44

Trichloroethene
 Concen: 51.322 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	177.2





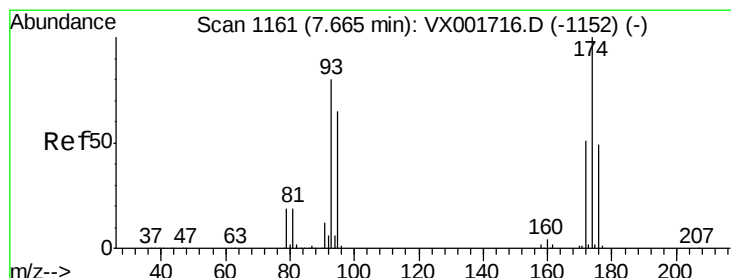
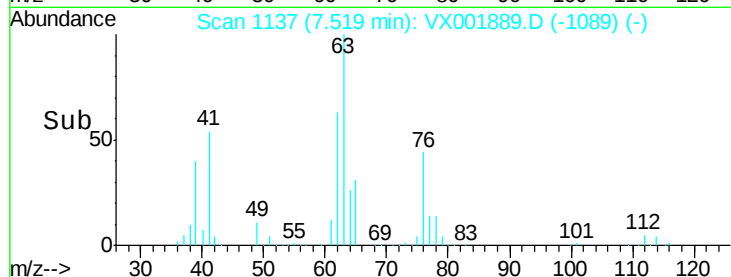
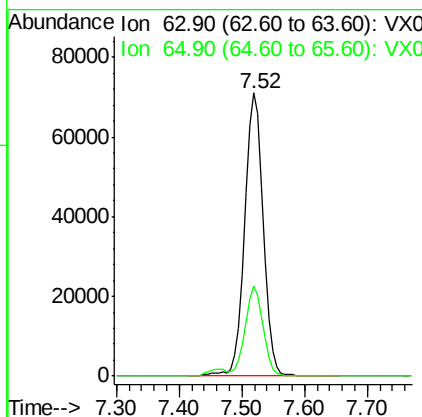
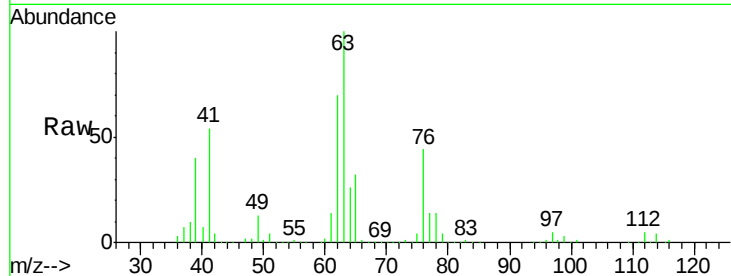
#45
 1,2-Dichloropropane
 Concen: 63.298 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 145835
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.2

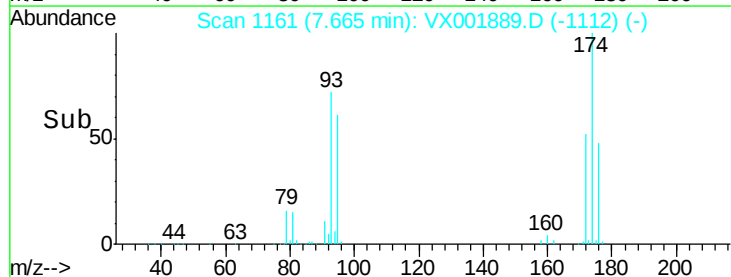
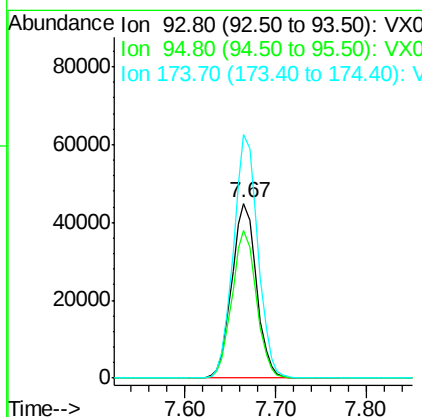
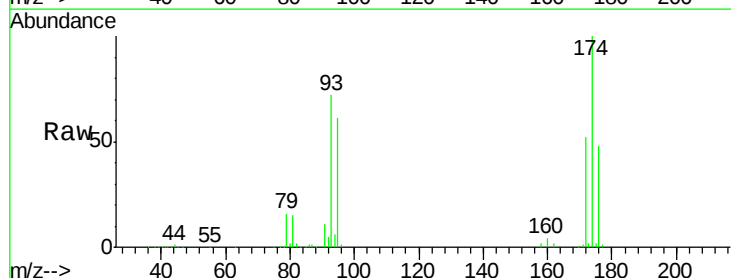
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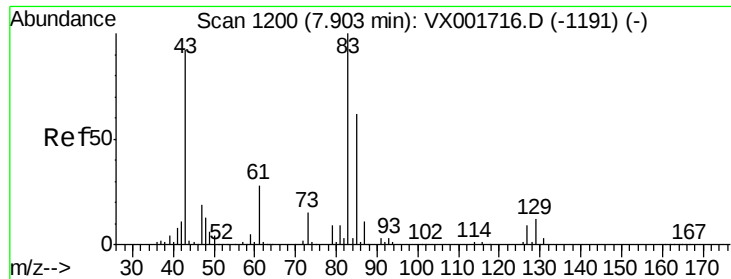
MMDadoda
 5/22/2018 12:47:26 PM



#46
 Dibromomethane
 Concen: 52.419 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Tgt Ion: 93 Resp: 84804
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.9 98.9
 174 138.1 106.2 159.2





#47

Bromodichloromethane

Concen: 58.917 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 176872

Ion Ratio Lower Upper

83 100

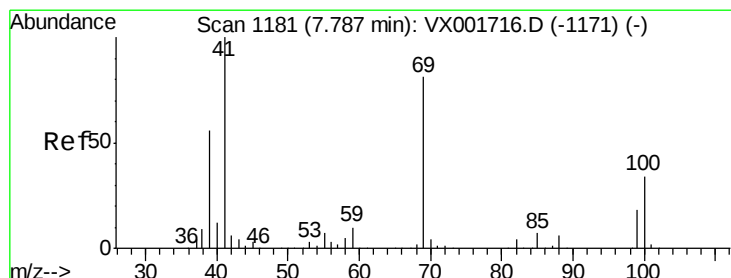
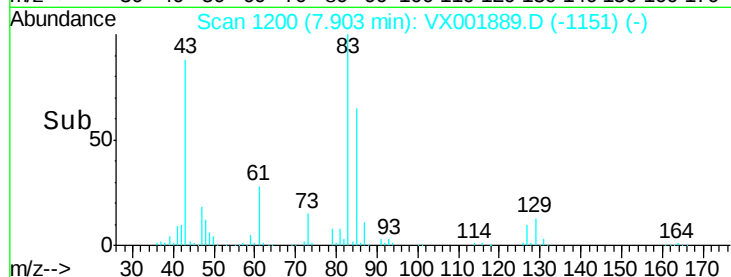
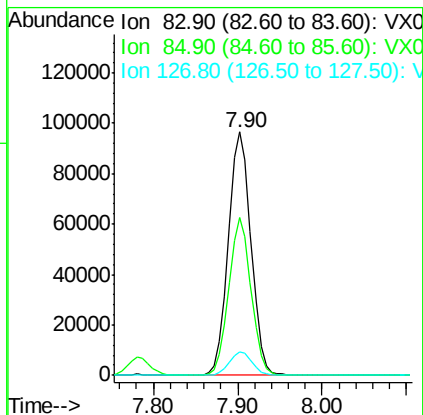
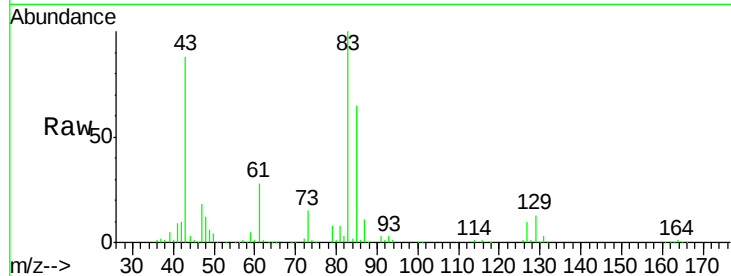
85 64.6 49.6 74.4

127 9.8 7.5 11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 66.147 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

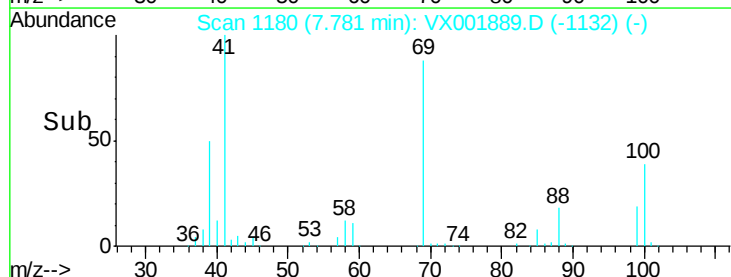
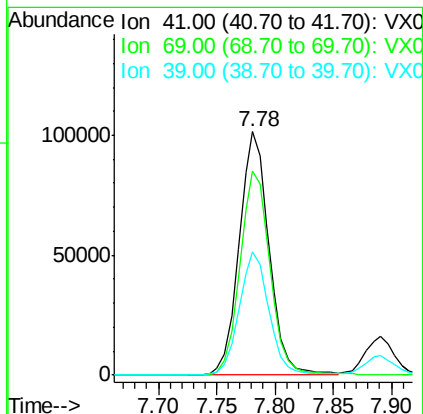
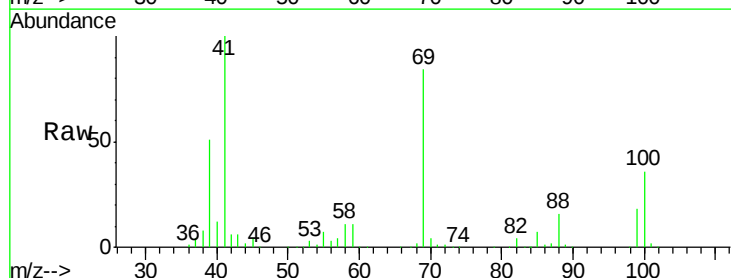
Tgt Ion: 41 Resp: 180976

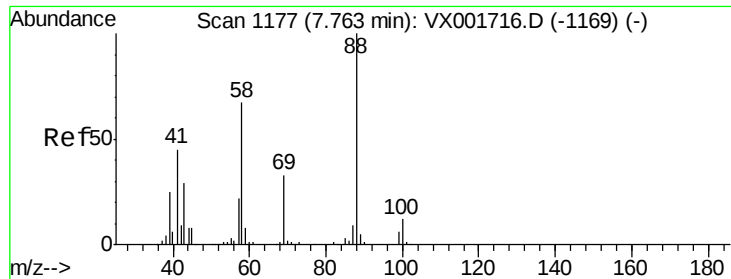
Ion Ratio Lower Upper

41 100

69 85.2 65.2 97.8

39 50.8 44.5 66.7





#49

1,4-Dioxane

Concen: 1881.153 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

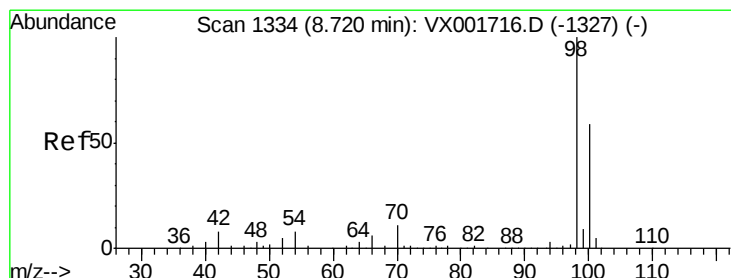
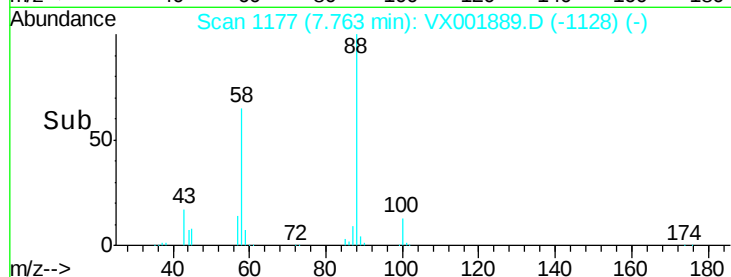
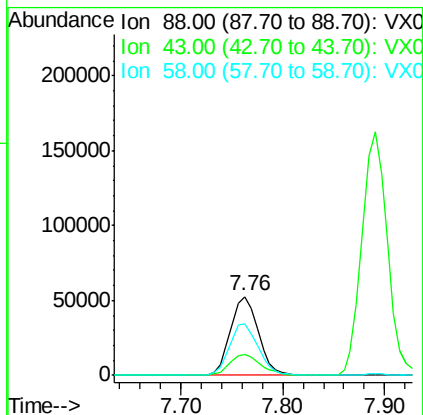
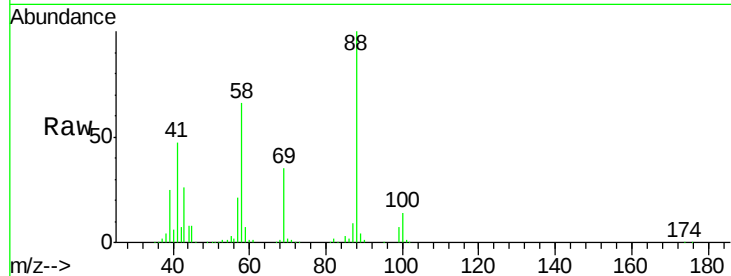
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	99097
Ion	Ratio	Lower	Upper
88	100		
43	29.3	27.3	40.9
58	67.8	55.9	83.9

Manual Integrations
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#50

Toluene-d8

Concen: 51.995 ug/l

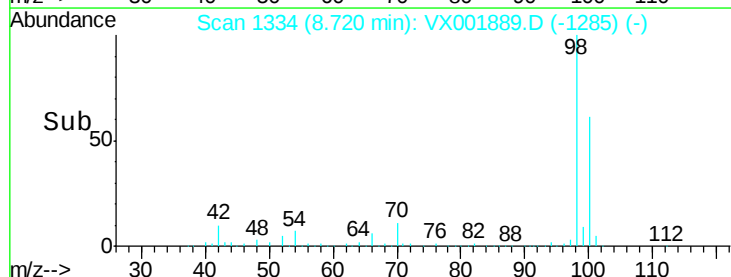
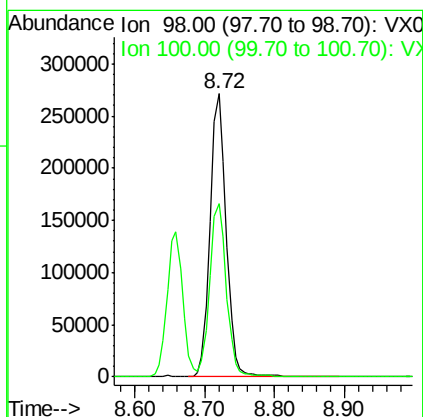
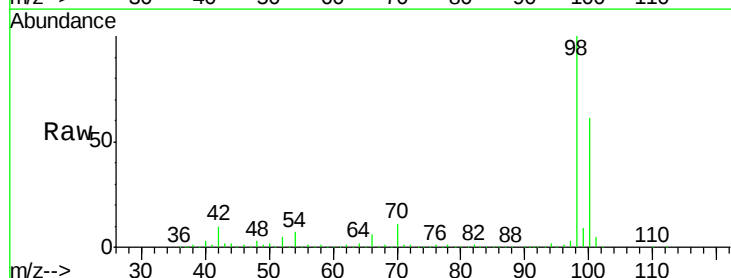
RT: 8.72 min Scan# 1334

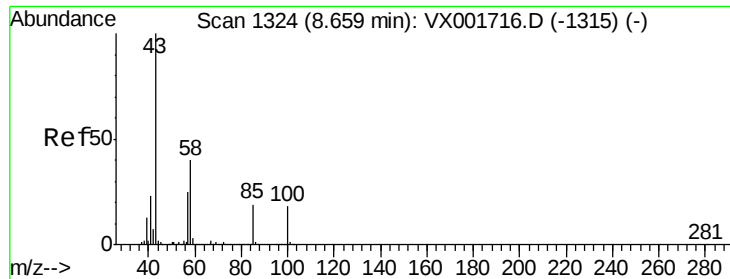
Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion:	98	Resp:	435045
Ion	Ratio	Lower	Upper
98	100		
100	63.7	54.0	81.0





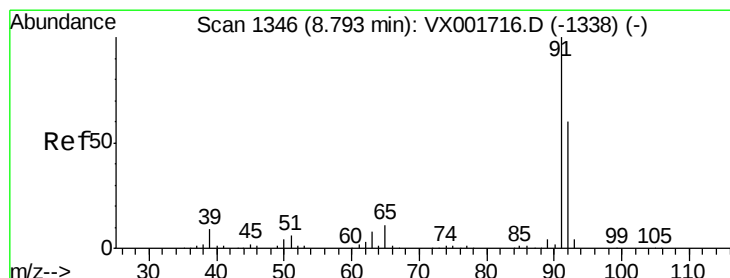
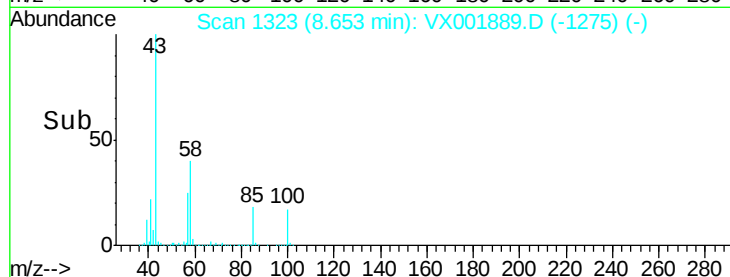
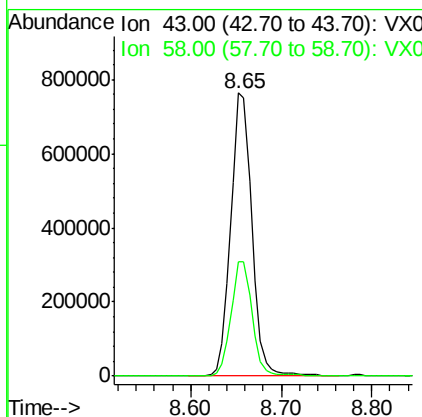
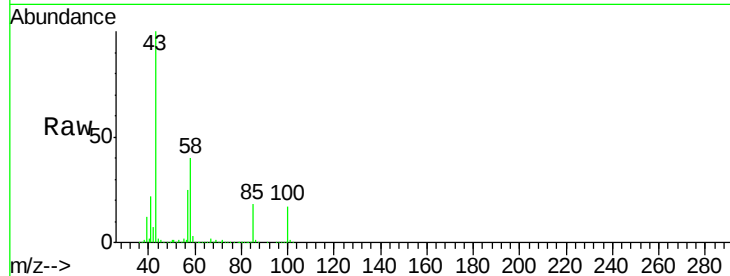
#51
4-Methyl-2-Pentanone
Concen: 376.078 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1238823
Ion Ratio Lower Upper
43 100
58 40.7 31.4 47.0

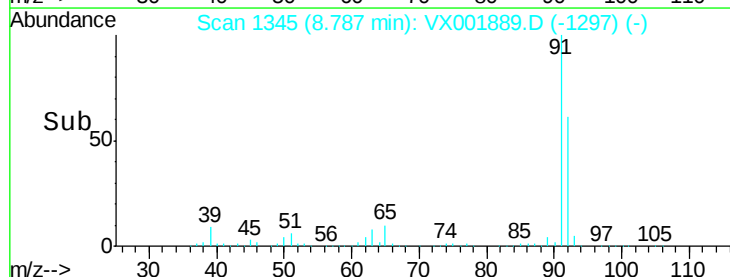
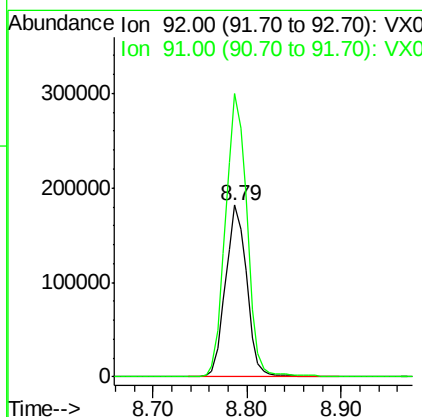
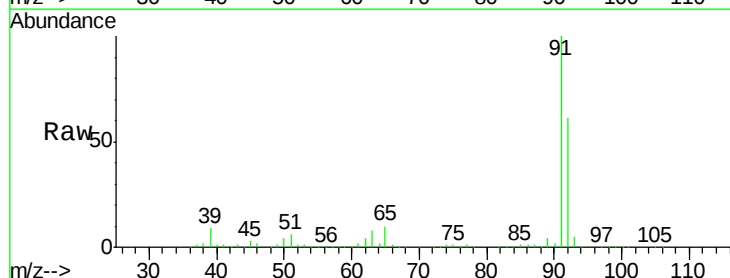
Manual Integrations
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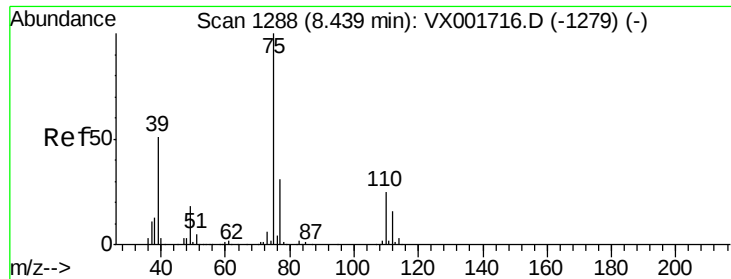
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#52
Toluene
Concen: 47.389 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion: 92 Resp: 285908
Ion Ratio Lower Upper
92 100
91 167.6 135.5 203.3





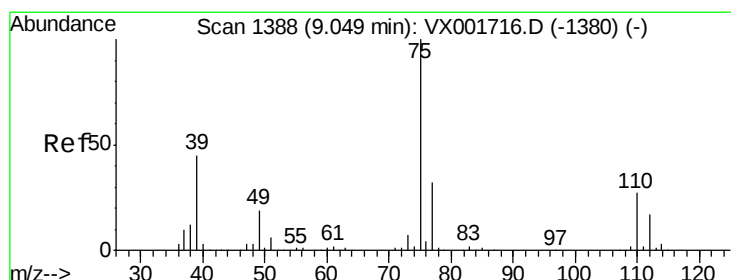
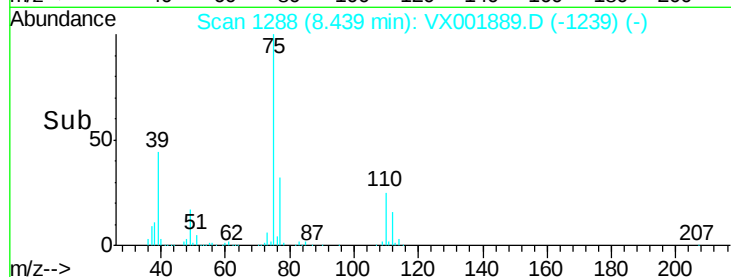
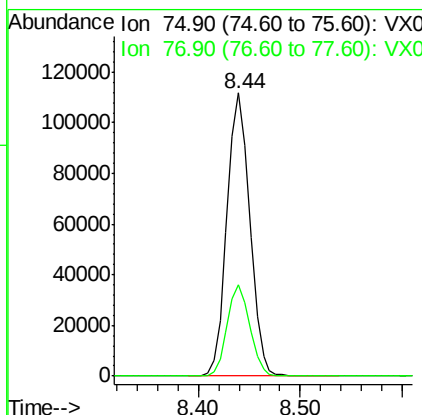
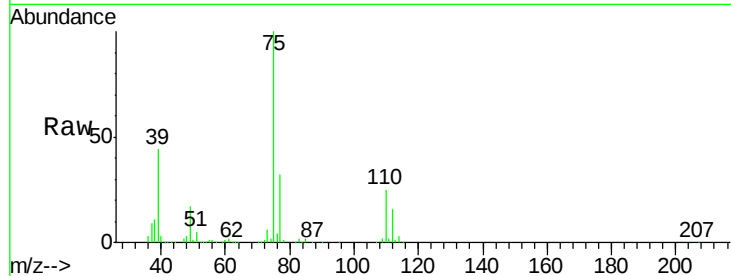
#53
t-1,3-Dichloropropene
Concen: 49.194 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.6

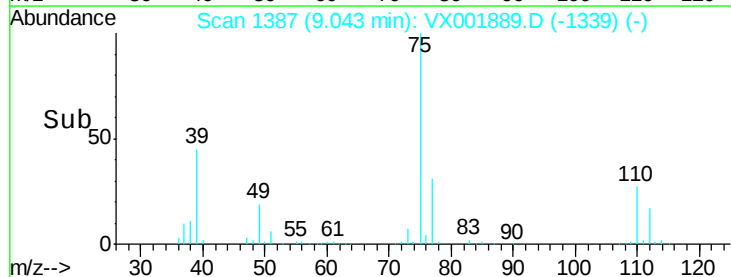
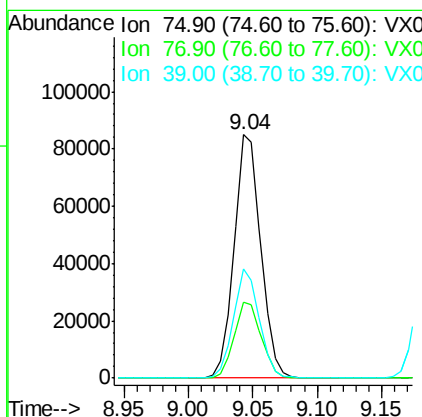
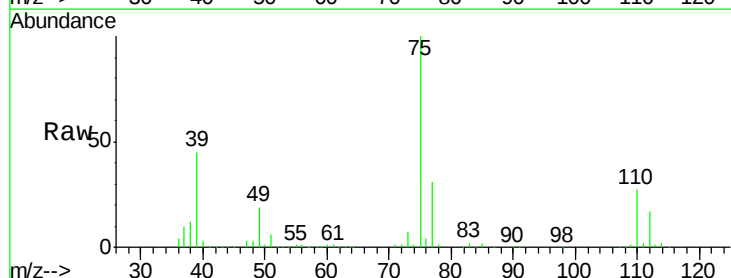
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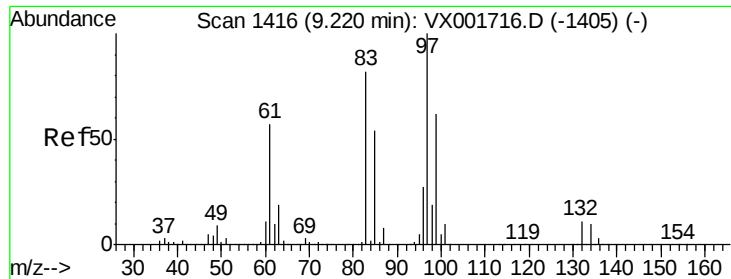
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#54
cis-1,3-Dichloropropene
Concen: 39.301 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2
39	45.0	36.1	54.1





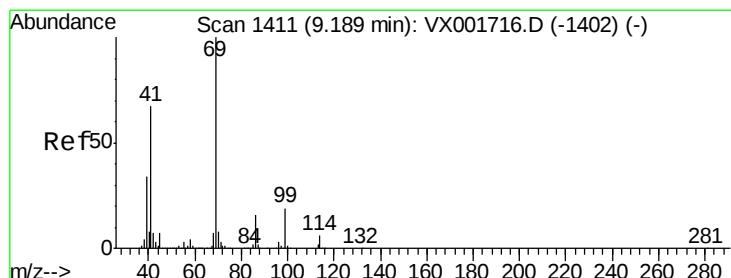
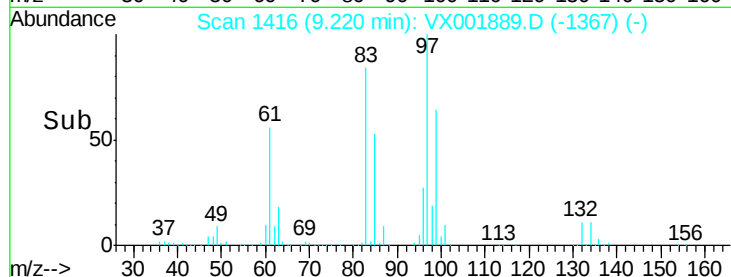
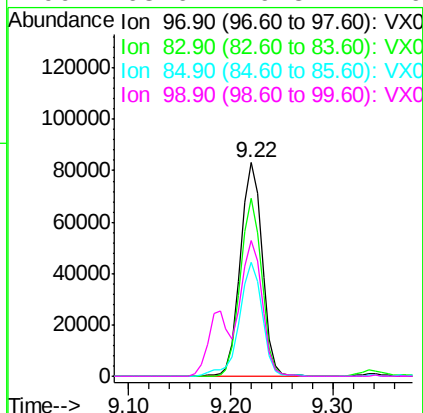
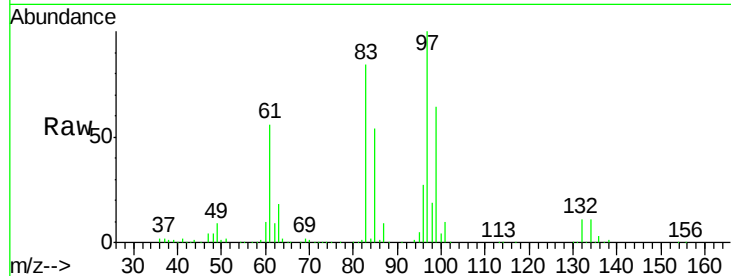
#55
 1,1,2-Trichloroethane
 Concen: 53.470 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	123313
Ion Ratio	Lower	Upper	
97	100		
83	83.5	65.8	98.8
85	53.5	43.4	65.0
99	63.6	49.8	74.6

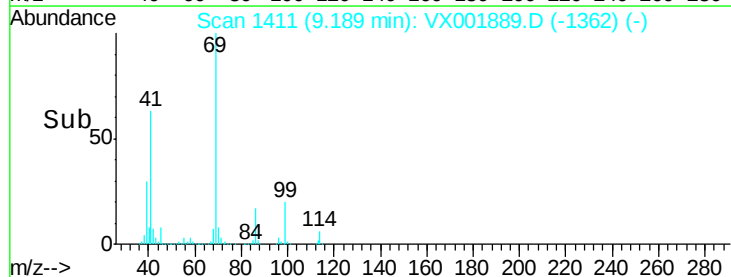
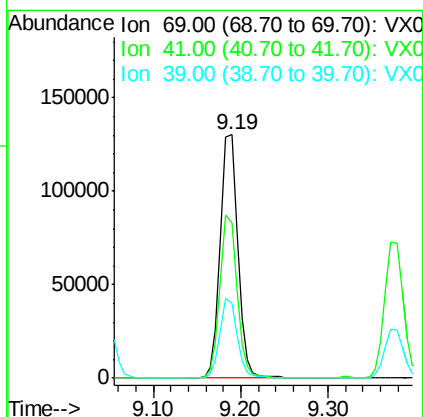
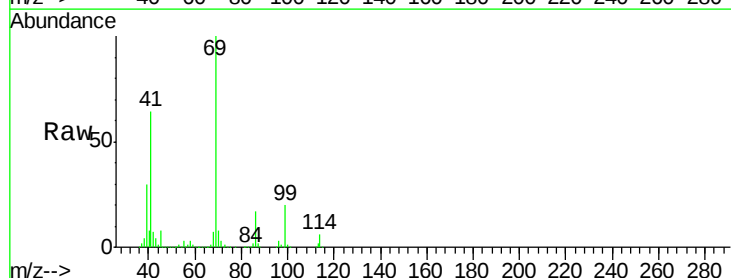
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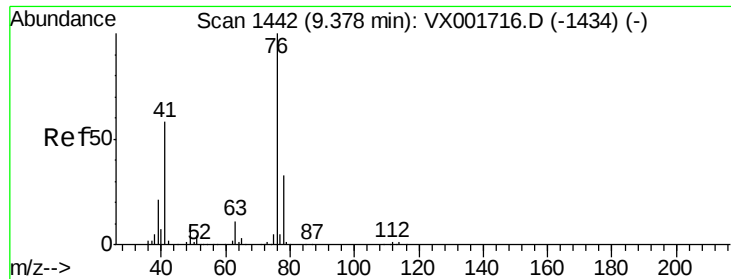
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#56
 Ethyl methacrylate
 Concen: 55.774 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Tgt Ion:	69	Resp:	182405
Ion Ratio	Lower	Upper	
69	100		
41	65.2	53.5	80.3
39	31.7	27.2	40.8





#57

1,3-Dichloropropane

Concen: 50.233 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 193955

Ion Ratio Lower Upper

76 100

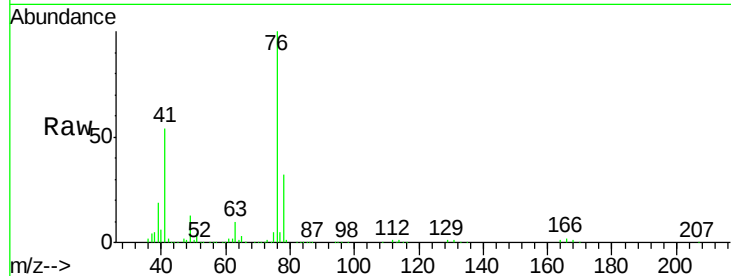
78 32.3 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

150000

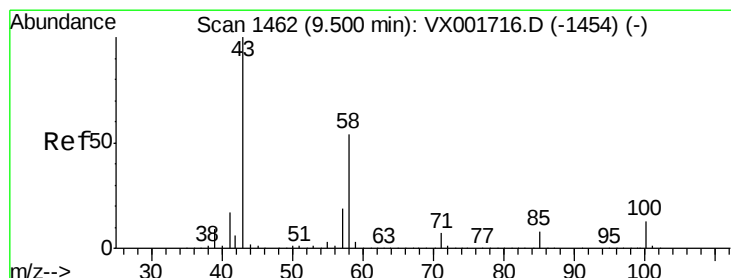
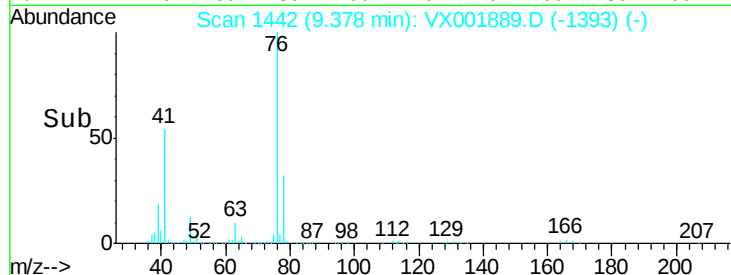
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 322.781 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.00 min

Lab File: VX001889.D

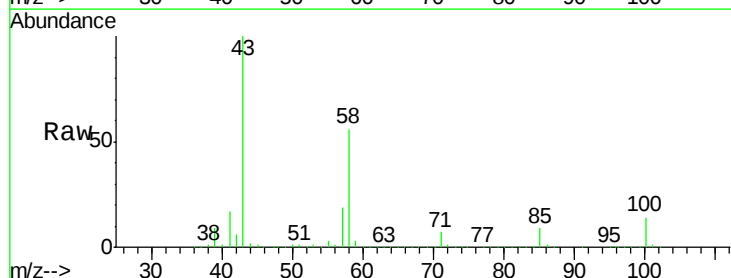
Acq: 21 May 2018 22:18

Tgt Ion: 43 Resp: 761132

Ion Ratio Lower Upper

43 100

58 56.8 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

600000

500000

400000

300000

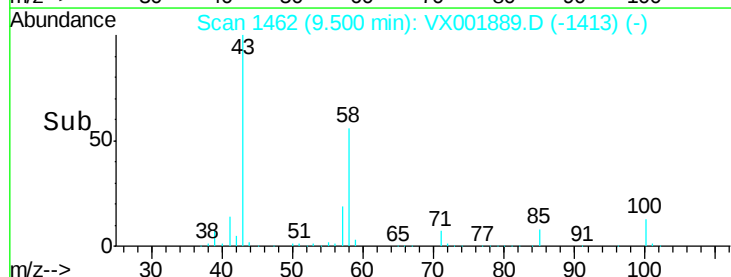
200000

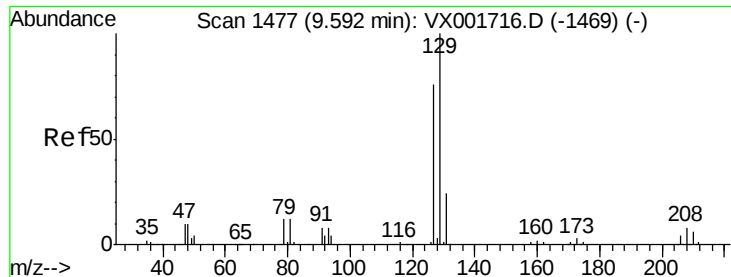
100000

0

9.40 9.50 9.60

Time-->





#60

Dibromochloromethane

Concen: 54.183 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:129 Resp: 127957

Ion Ratio Lower Upper

129 100

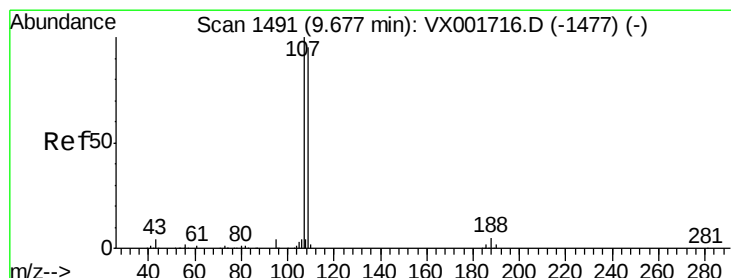
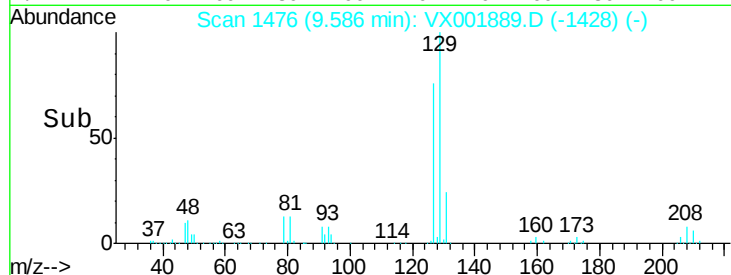
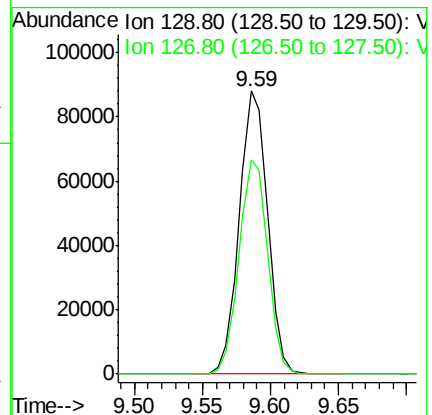
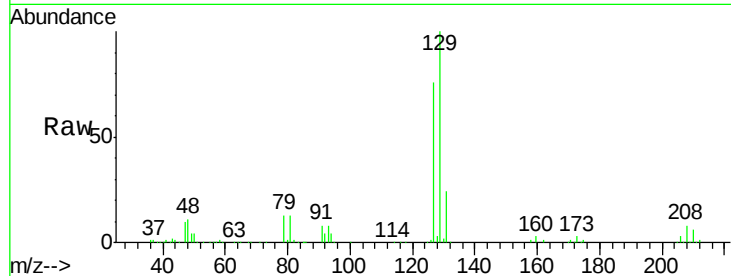
127 76.5 38.7 116.1

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 47.992 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001889.D

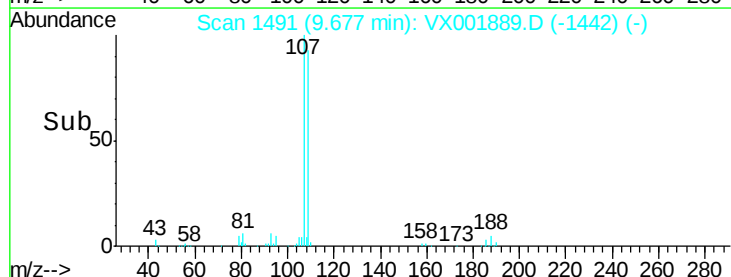
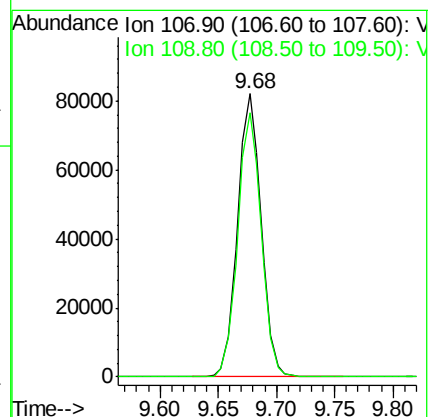
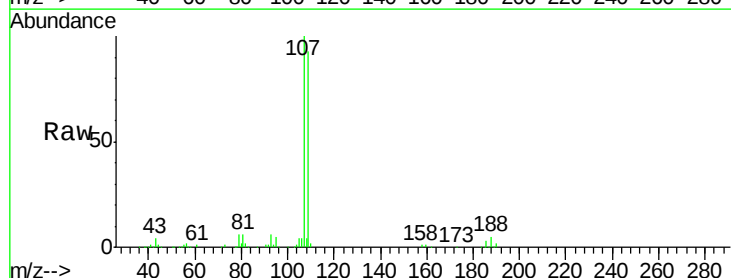
Acq: 21 May 2018 22:18

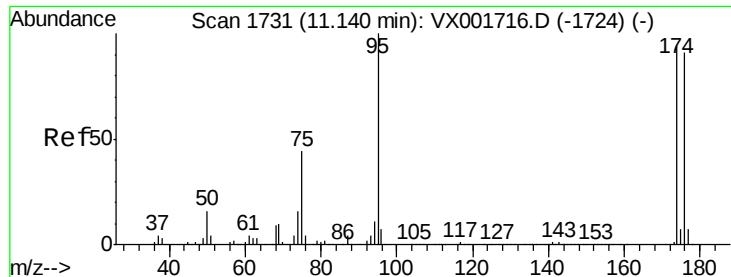
Tgt Ion:107 Resp: 115868

Ion Ratio Lower Upper

107 100

109 93.5 76.2 114.2





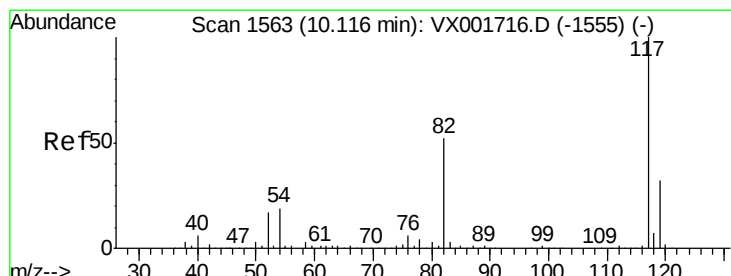
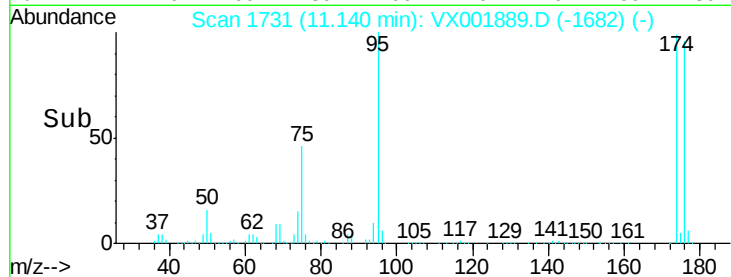
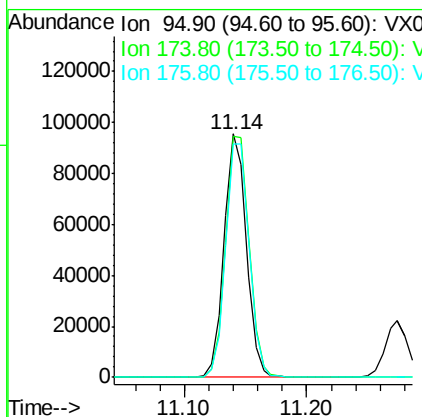
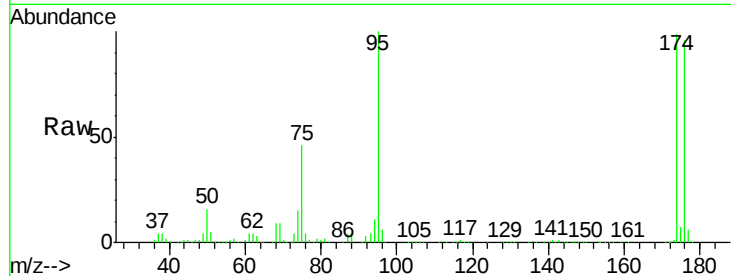
#62
4-Bromofluorobenzene
Concen: 39.886 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	104.7	0.0	201.8
176	101.4	0.0	196.8

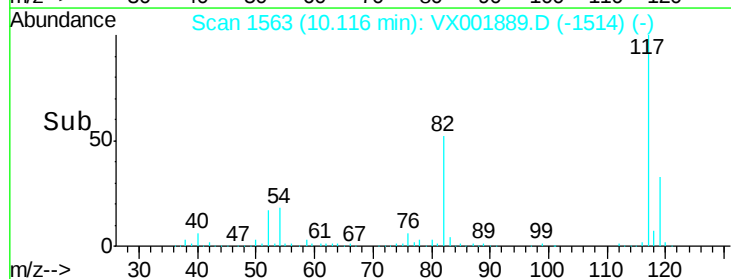
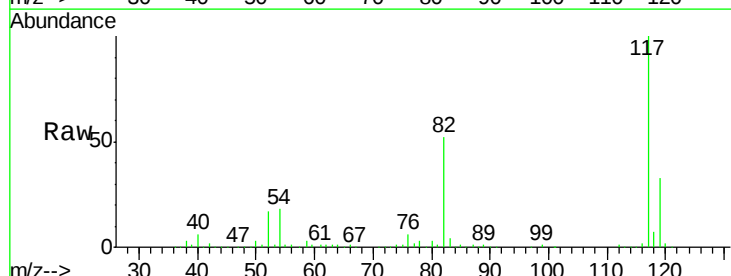
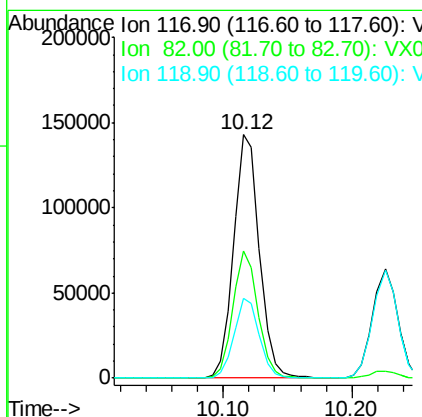
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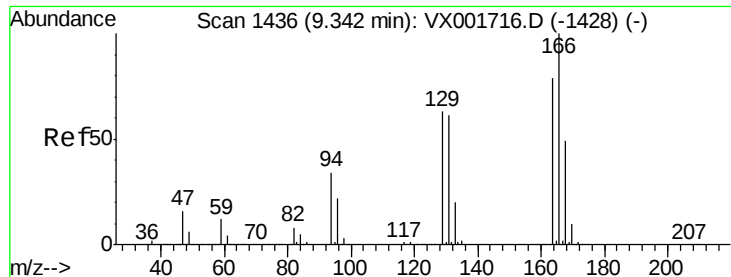
MMDadoda
5/22/2018 12:47:26 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.4	62.2
119	32.7	25.6	38.4





#64

Tetrachloroethene

Concen: 71.712 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:164 Resp: 186407

Ion Ratio Lower Upper

164 100

166 127.9 101.8 152.8

129 80.3 63.8 95.6

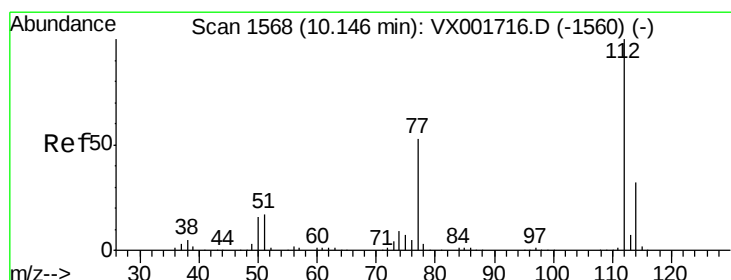
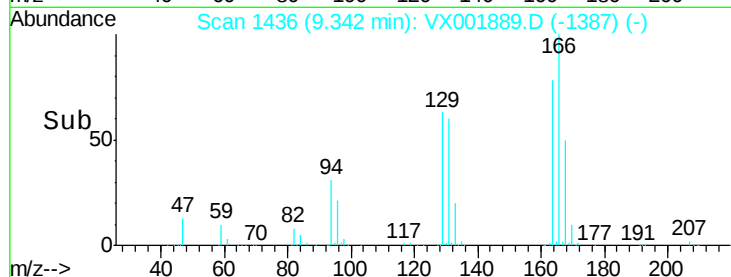
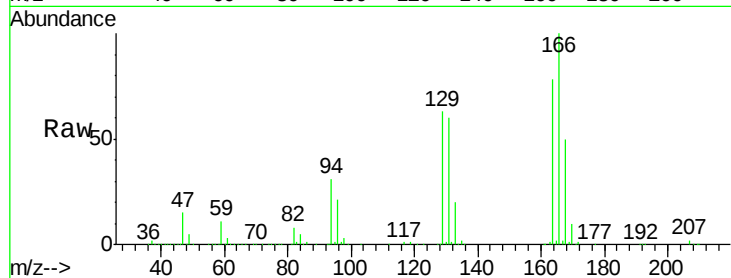
131 76.5 62.2 93.2

Manual Integrations

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#65

Chlorobenzene

Concen: 51.317 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001889.D

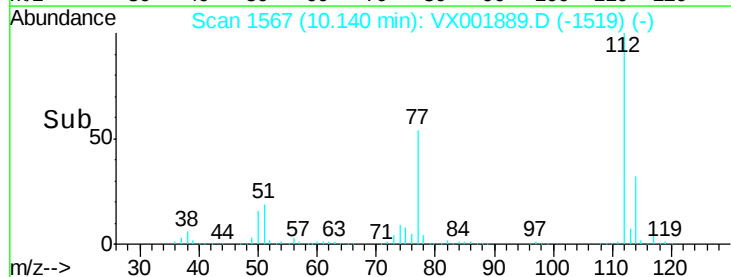
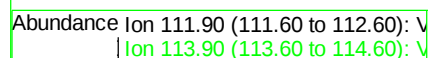
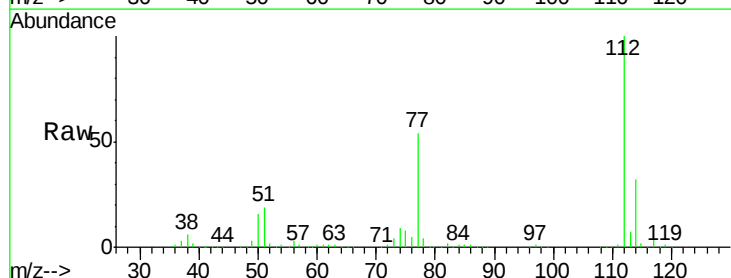
Acq: 21 May 2018 22:18

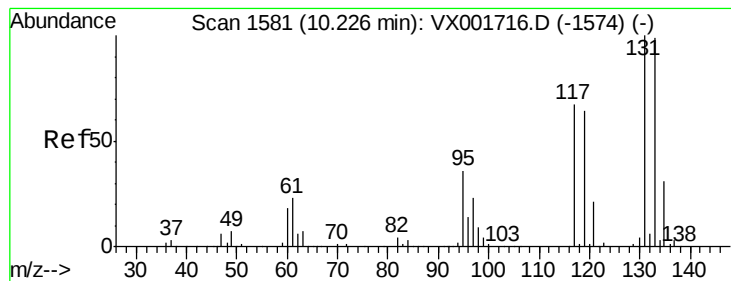
Tgt Ion:112 Resp: 281856

Ion Ratio Lower Upper

112 100

114 32.3 25.6 38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 69.146 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

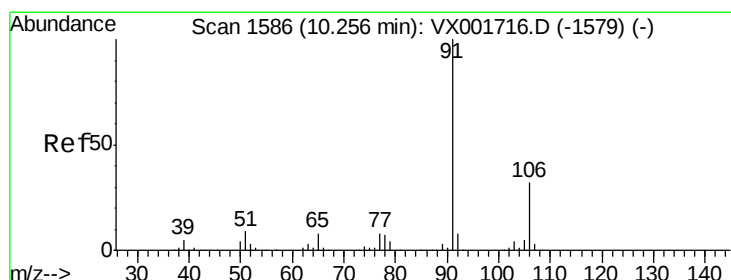
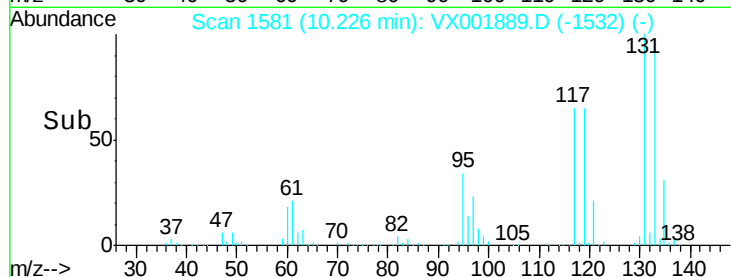
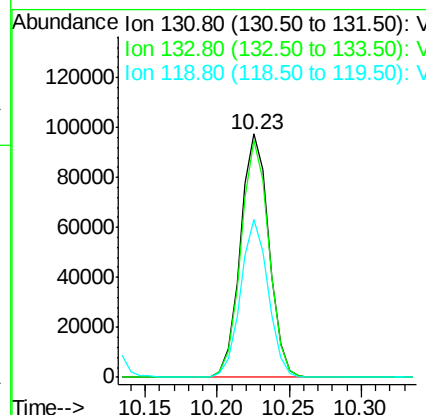
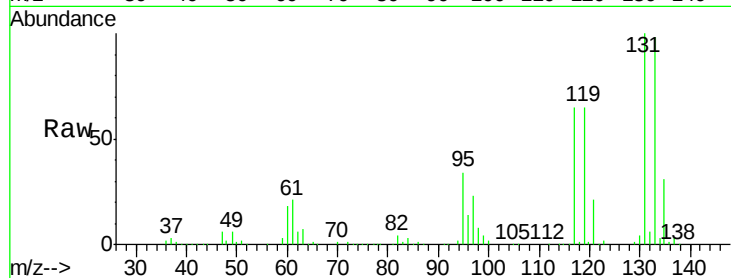
ClientSampleId :

VSTDCCC050EC

Tot Ion:	131	Resp:	134137
Ion Ratio	Lower	Upper	
131	100		
133	95.8	48.5	145.6
119	62.9	31.9	95.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 54.769 ug/l

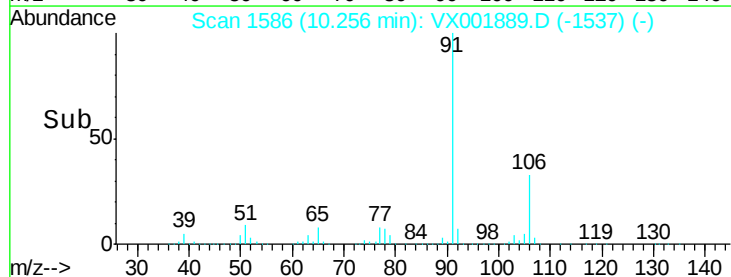
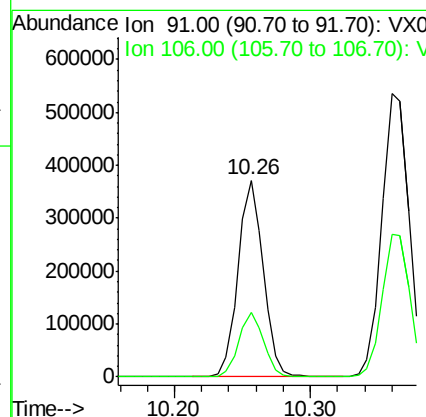
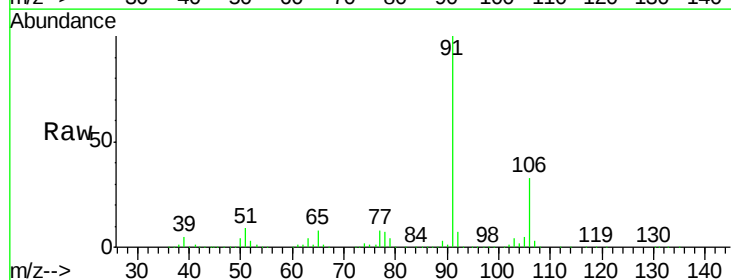
RT: 10.26 min Scan# 1586

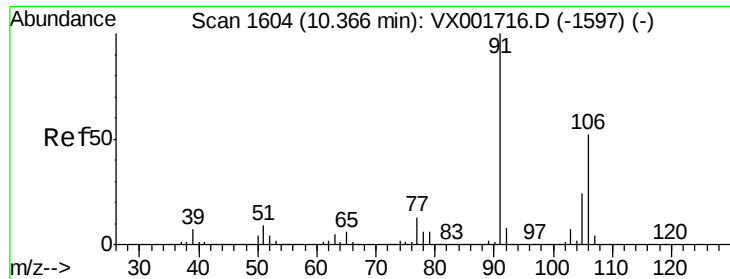
Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion:	91	Resp:	480749
Ion Ratio	Lower	Upper	
91	100		
106	32.7	25.7	38.5





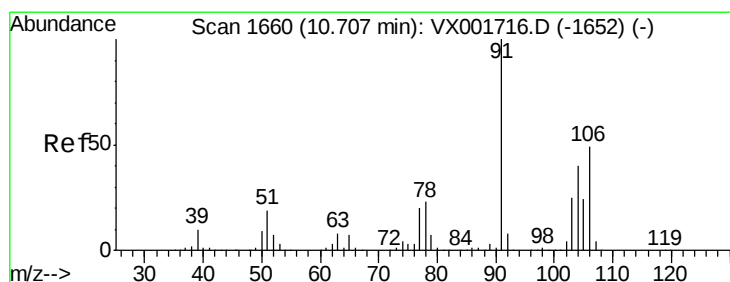
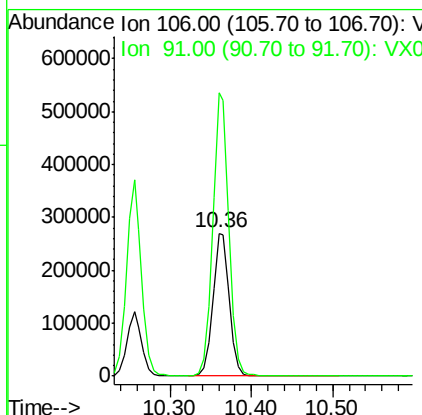
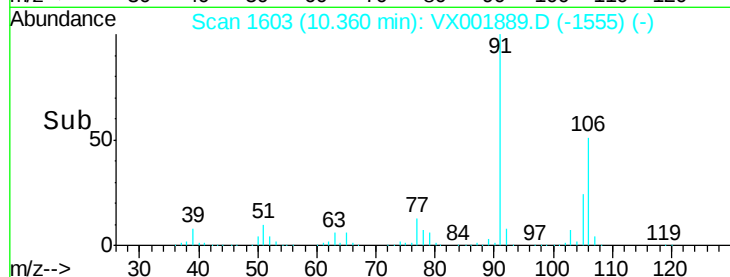
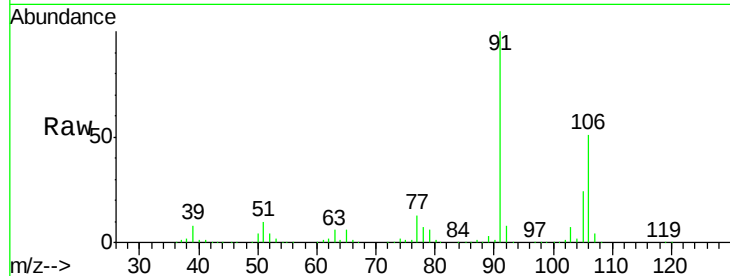
#68
m/p-Xylenes
Concen: 110.916 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 384135
Ion Ratio Lower Upper
106 100
91 194.9 155.4 233.2

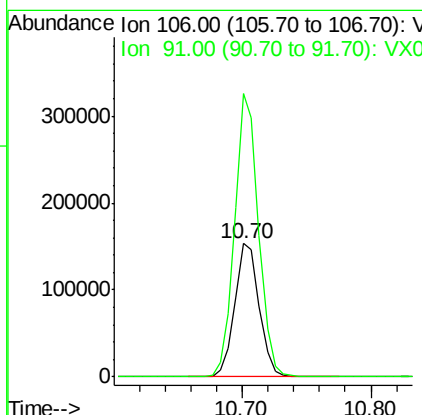
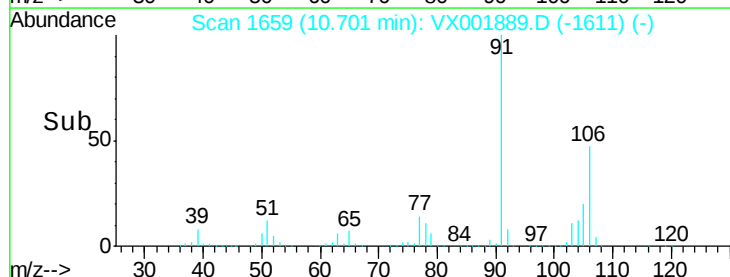
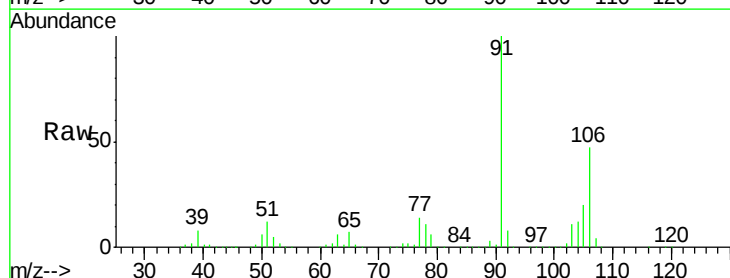
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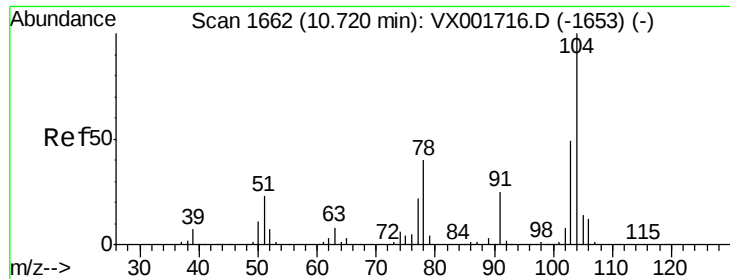
MMDadoda
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#69
o-Xylene
Concen: 61.043 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion:106 Resp: 202463
Ion Ratio Lower Upper
106 100
91 207.5 103.4 310.2





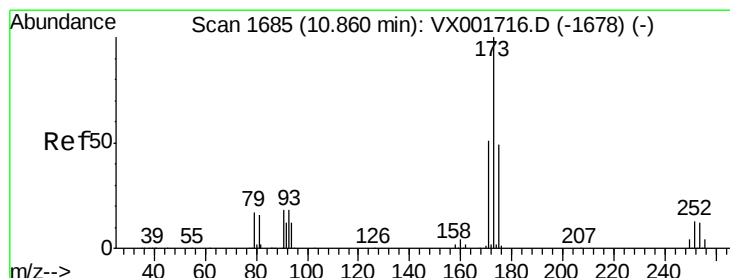
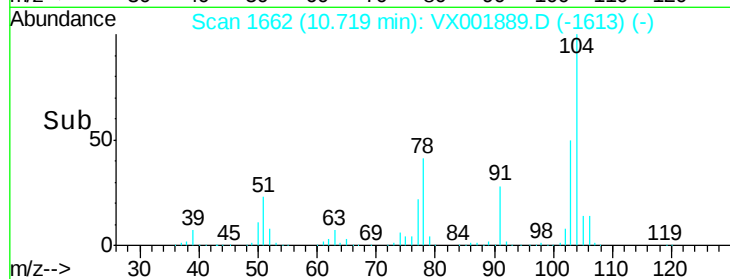
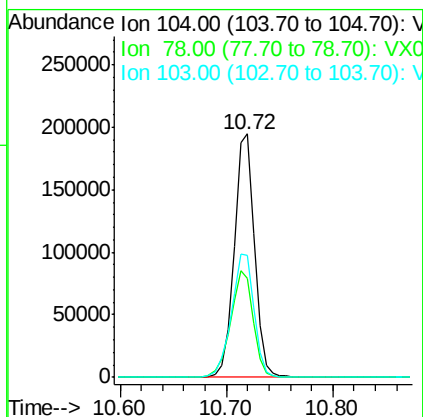
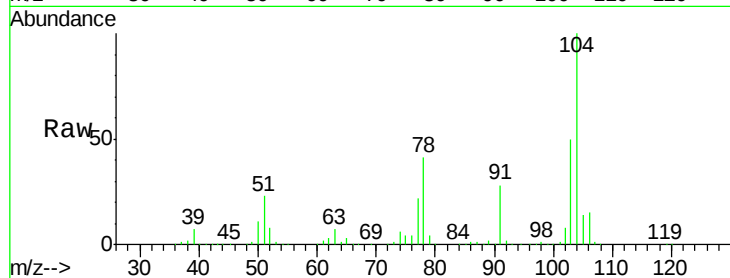
#70
Stvrene
Concen: 47.651 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	37.3	55.9
103	56.8	43.7	65.5

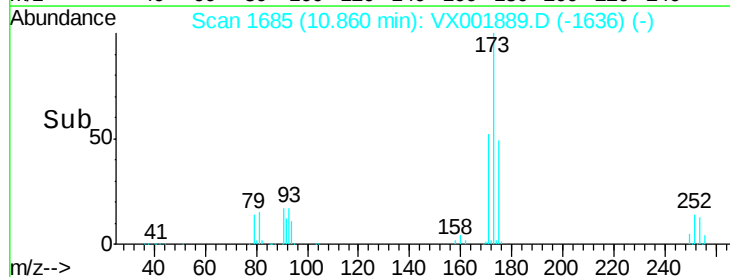
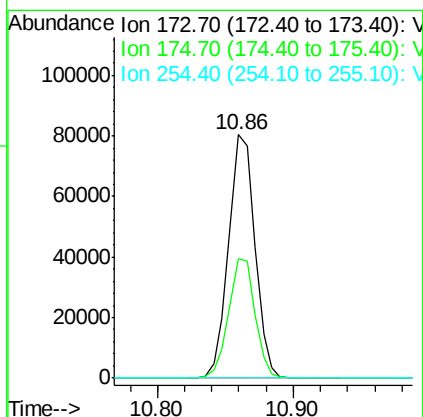
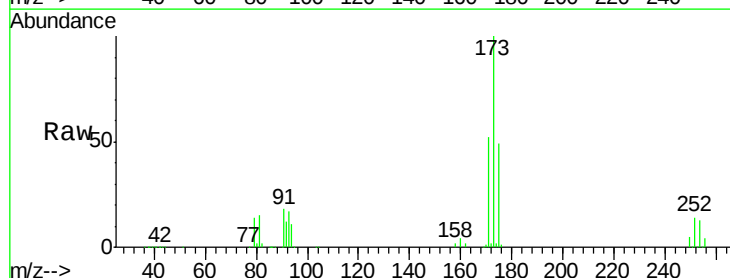
Manual Integrations
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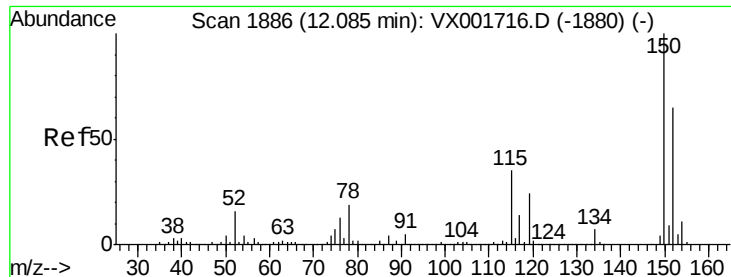
MMDadoda
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#71
Bromoform
Concen: 59.705 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

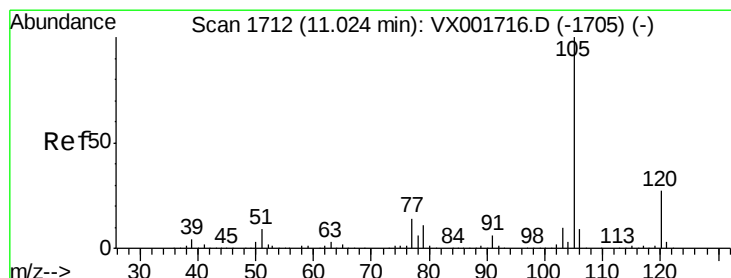
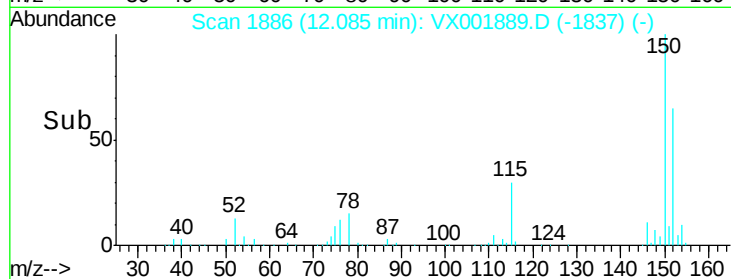
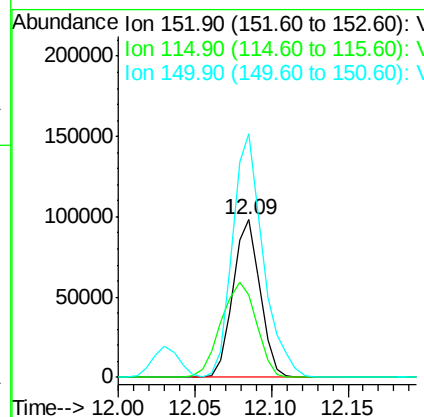
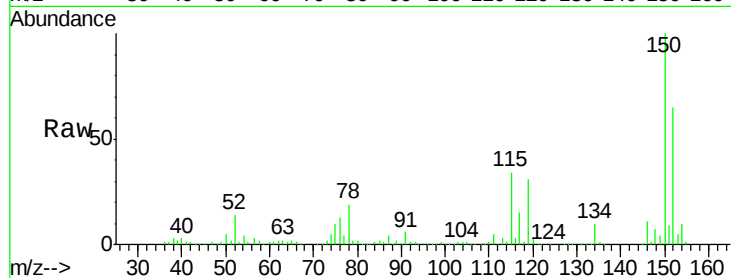
ClientSampleId :

VSTDCCC050EC

Tot Ion:	152	Resp:	120454
Ion Ratio	Lower	Upper	
152	100		
115	79.5	37.4	112.2
150	174.2	0.0	344.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 68.373 ug/l

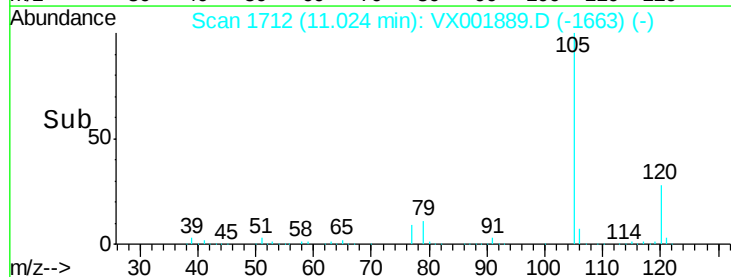
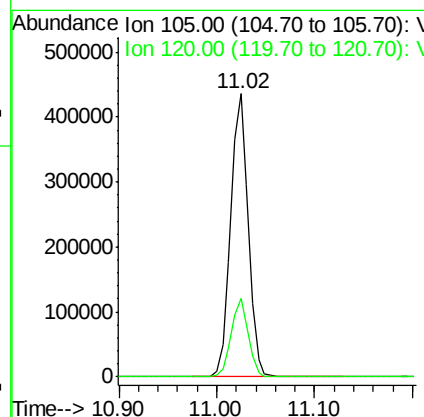
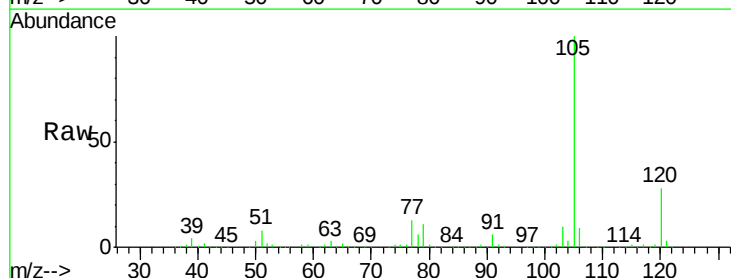
RT: 11.02 min Scan# 1712

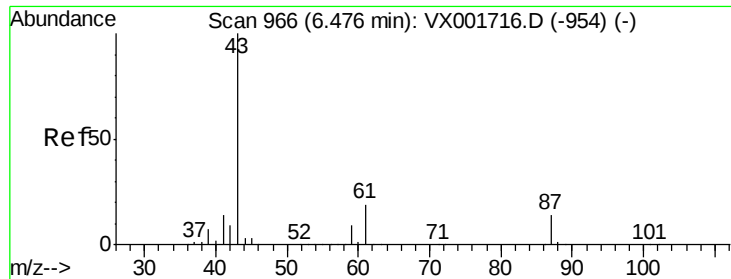
Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion:	105	Resp:	542386
Ion Ratio	Lower	Upper	
105	100		
120	27.0	13.8	41.3





#74

N-amvl acetate

Concen: 87.787 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

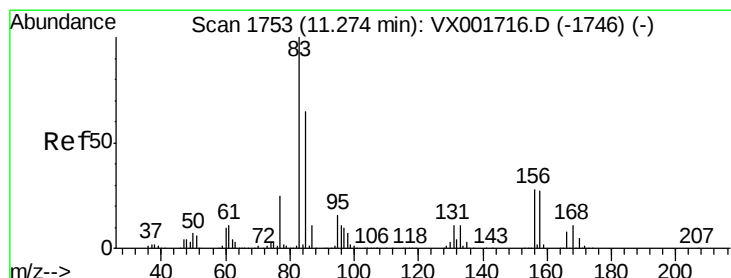
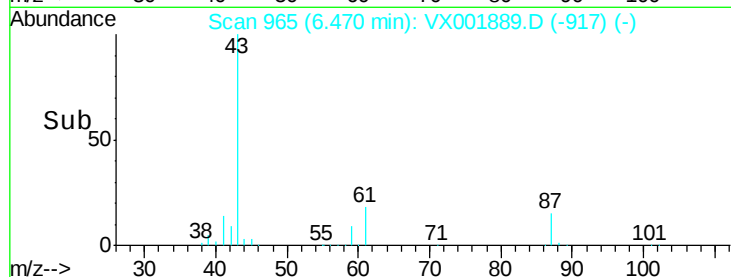
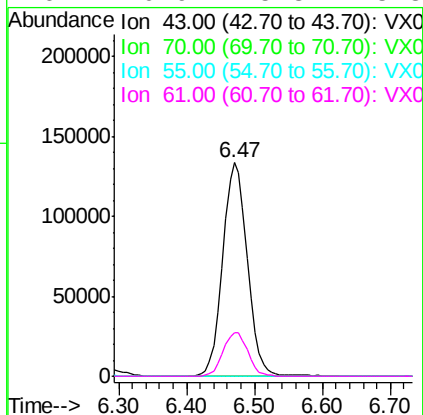
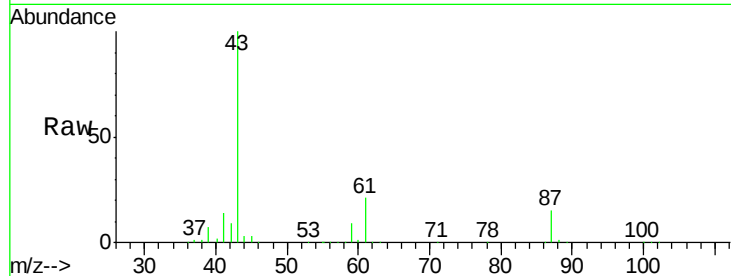
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		333858		
70	0.0	0.0	0.0		
55	0.1	0.1	0.1		
61	20.9	15.8	23.8		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 76.926 ug/l

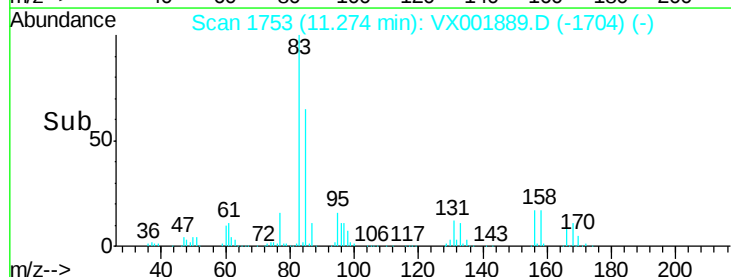
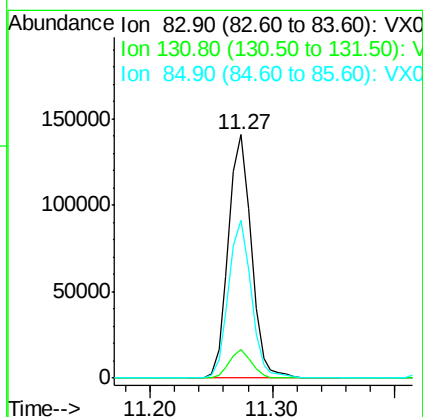
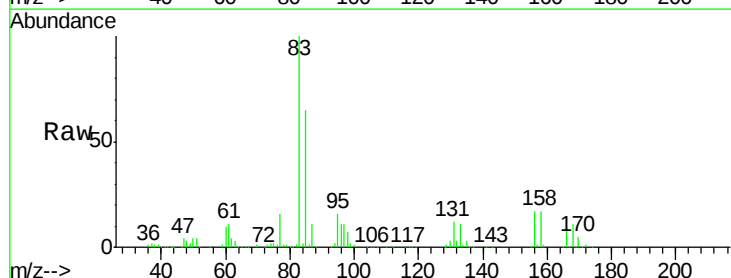
RT: 11.27 min Scan# 1753

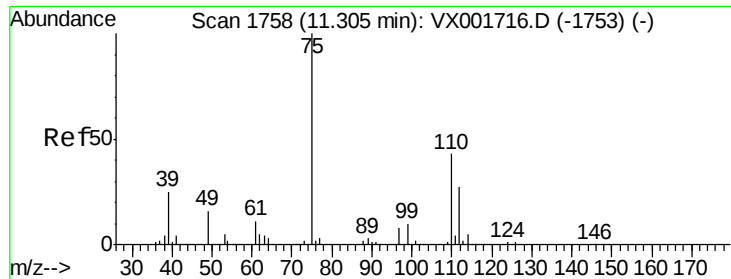
Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		183050		
131	11.2	5.7	17.0		
85	64.3	32.7	98.1		





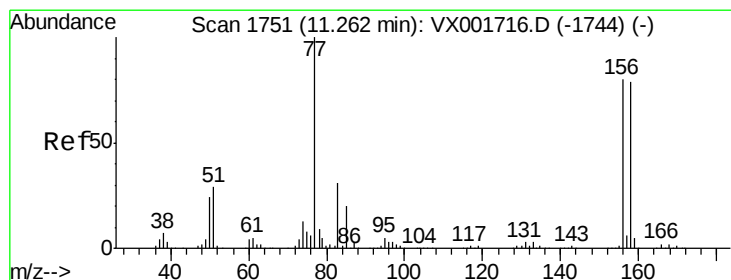
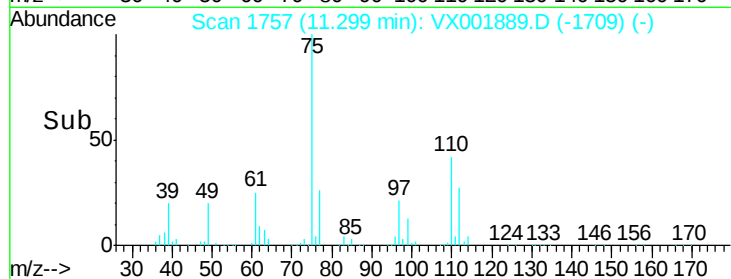
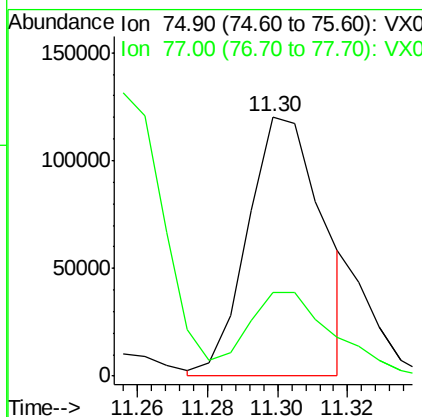
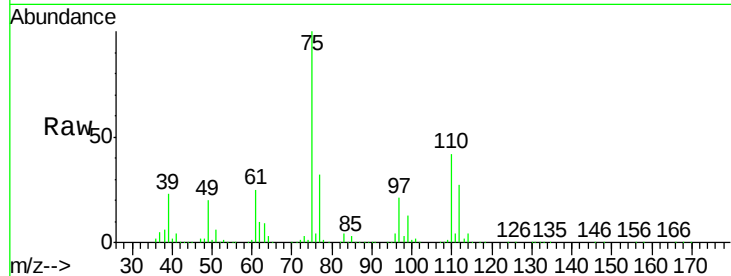
#76
 1,2,3-Trichloropropane
 Concen: 77.994 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 178644
 Ion Ratio Lower Upper
 75 100
 77 37.5 18.9 56.7

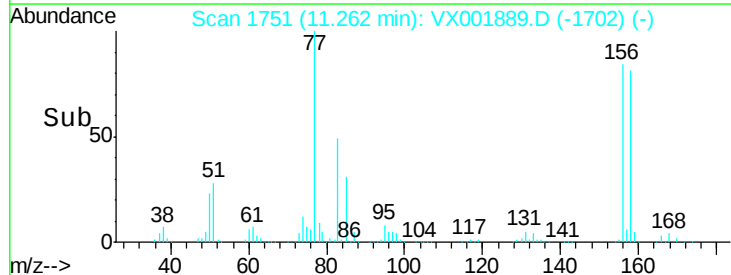
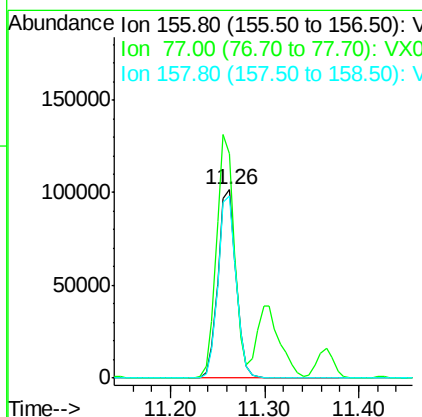
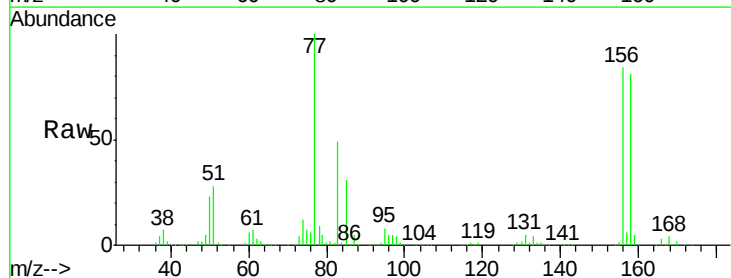
Manual Integrations
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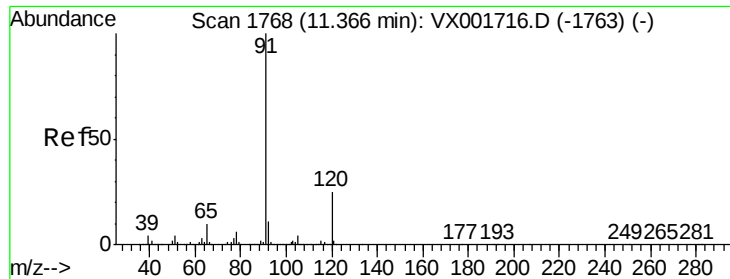
MMDadoda
 5/22/2018 12:47:26 PM



#77
 Bromobenzene
 Concen: 57.789 ug/l
 RT: 11.26 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Tgt Ion: 156 Resp: 134705
 Ion Ratio Lower Upper
 156 100
 77 127.9 65.3 196.0
 158 97.3 49.1 147.3





#78

n-propylbenzene

Concen: 59.339 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 530317

Ion Ratio Lower Upper

91 100

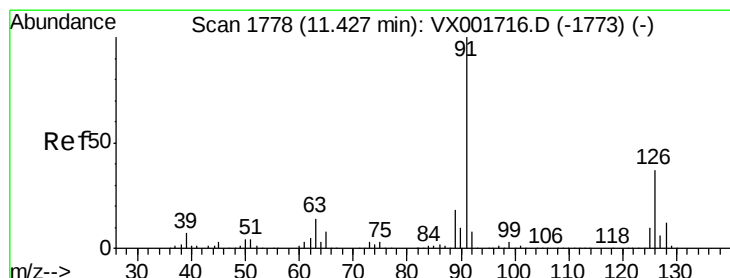
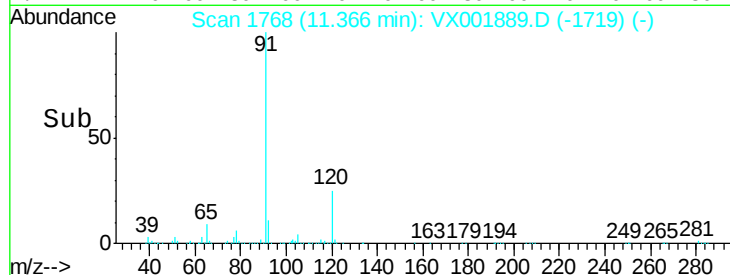
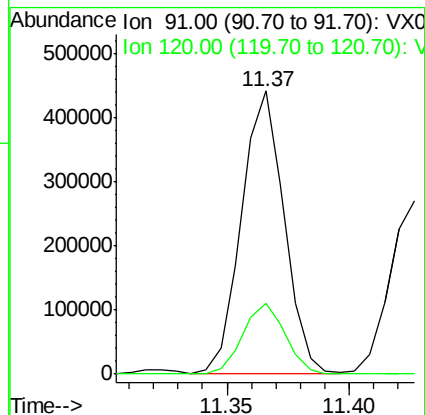
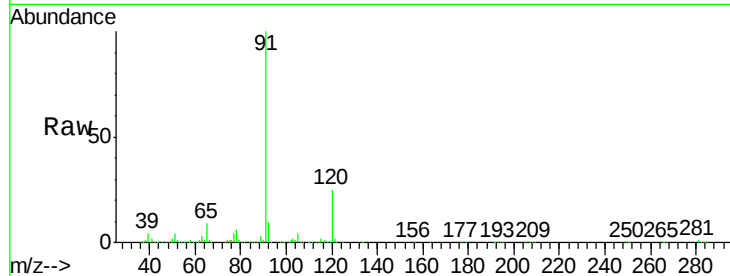
120 25.3 12.5 37.5

Manual Integrations

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#79

2-Chlorotoluene

Concen: 62.651 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001889.D

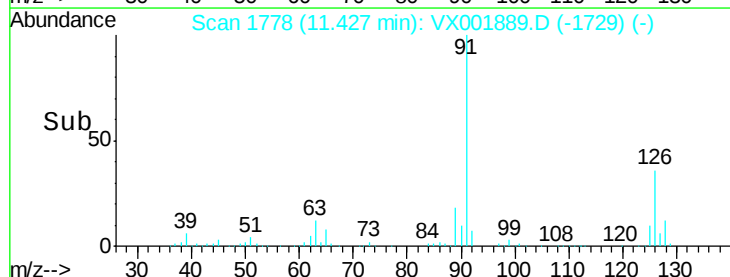
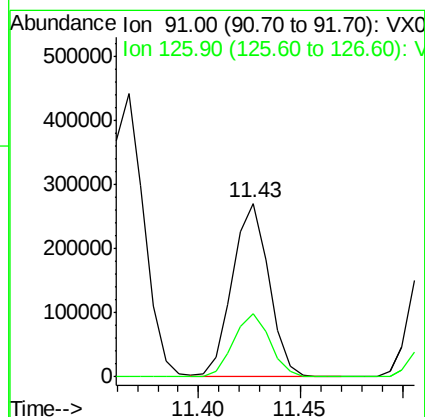
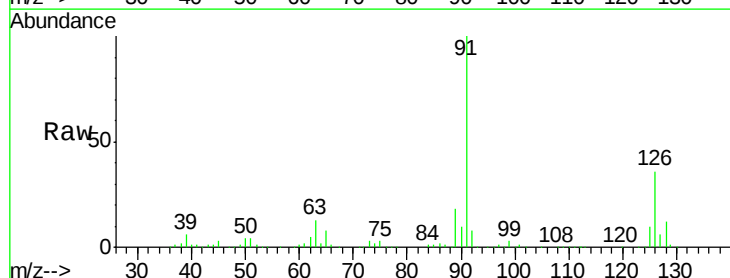
Acq: 21 May 2018 22:18

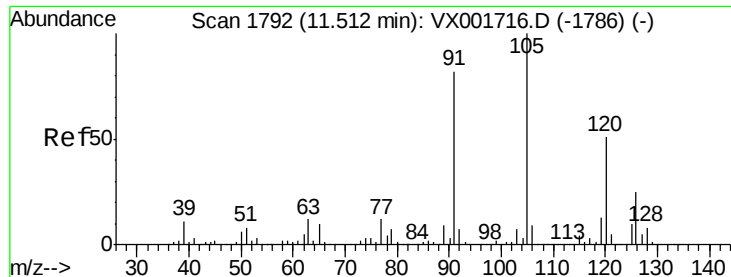
Tgt Ion: 91 Resp: 334866

Ion Ratio Lower Upper

91 100

126 36.7 18.4 55.4





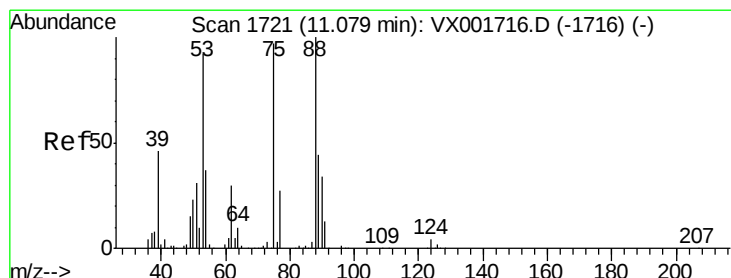
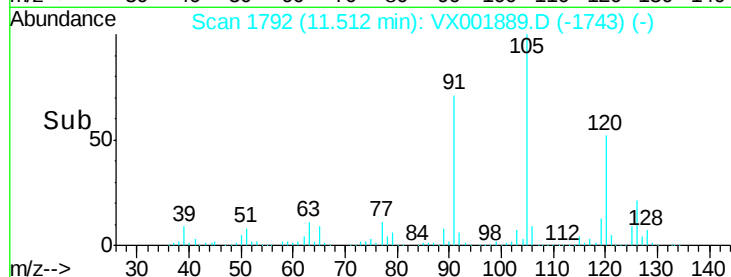
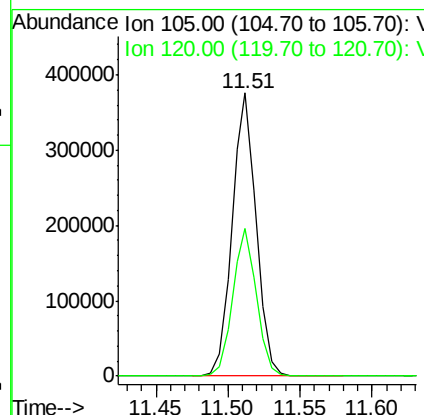
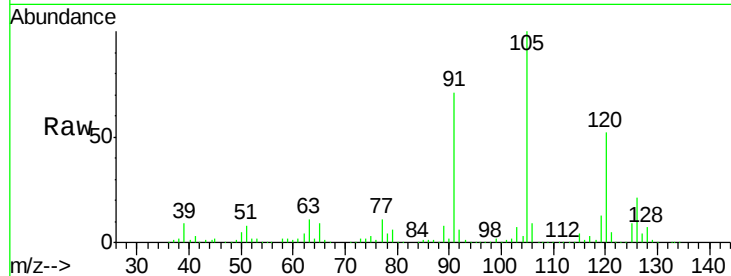
#80
 1,3,5-Trimethylbenzene
 Concen: 67.550 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 439599
 Ion Ratio Lower Upper
 105 100
 120 51.6 25.7 77.0

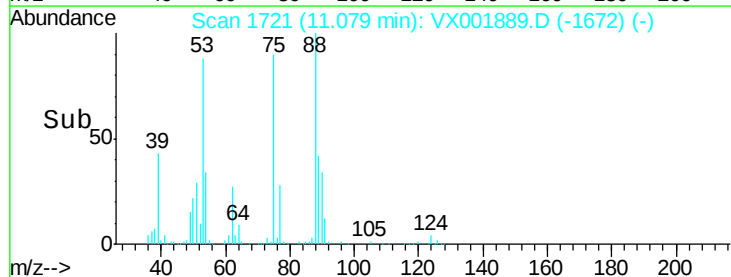
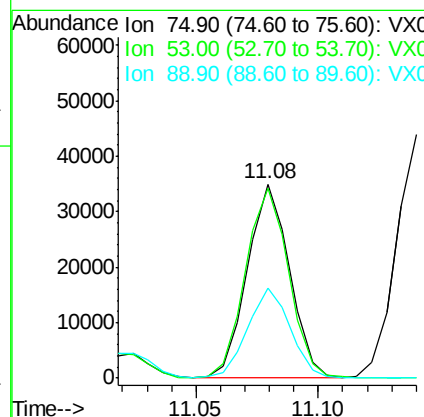
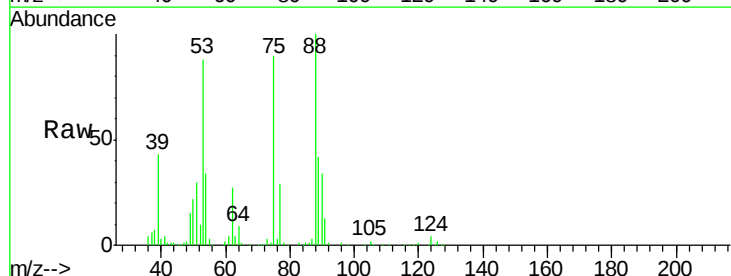
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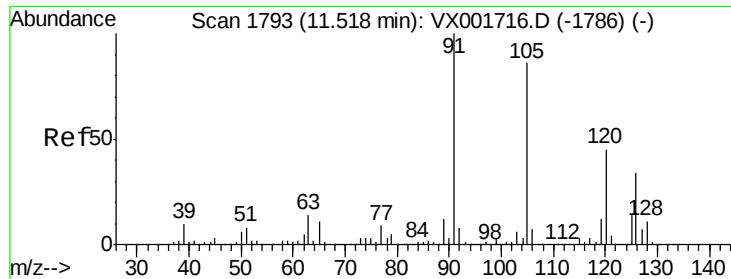
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.155 ug/l
 RT: 11.08 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Tgt Ion: 75 Resp: 41850
 Ion Ratio Lower Upper
 75 100
 53 99.7 79.4 119.2
 89 46.9 38.8 58.2





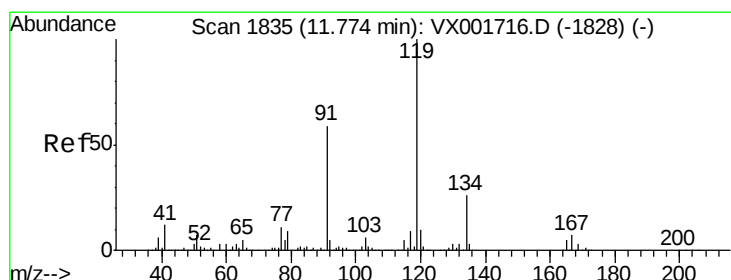
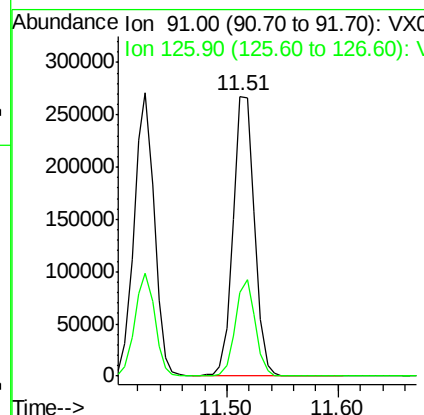
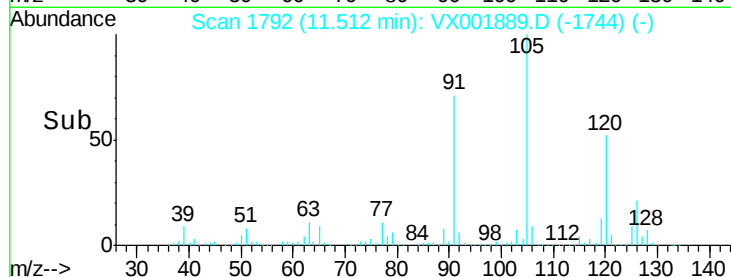
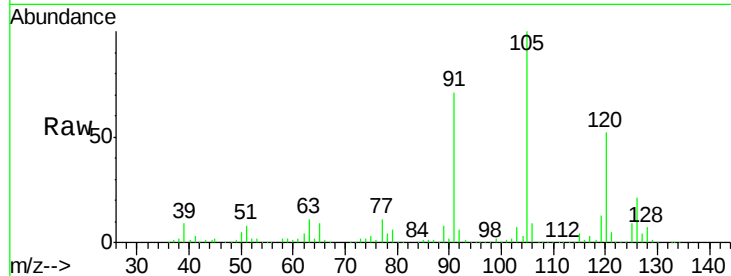
#82
4-Chlorotoluene
Concen: 56.247 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.01 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 354165
Ion Ratio Lower Upper
91 100
126 32.0 16.4 49.1

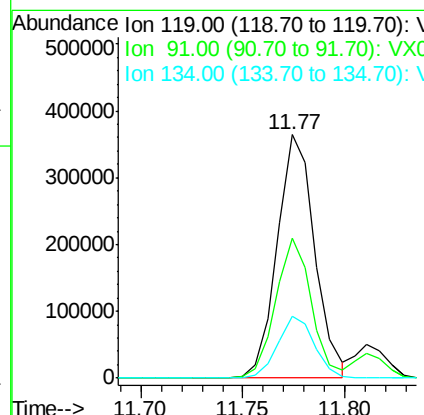
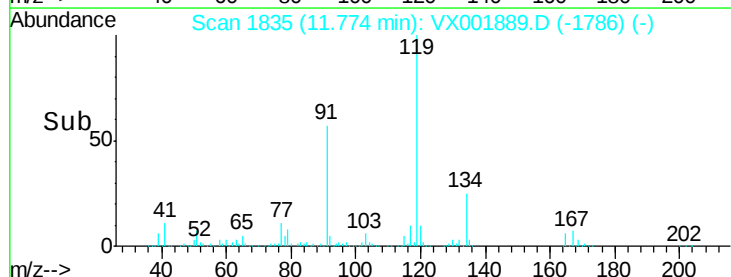
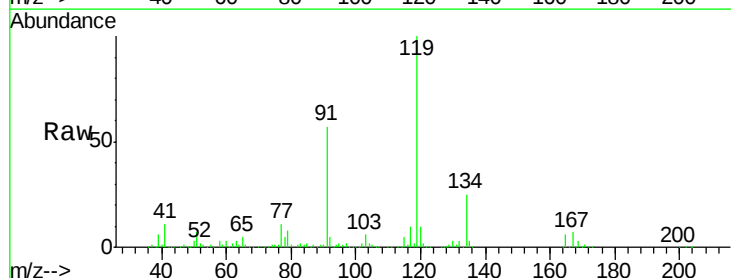
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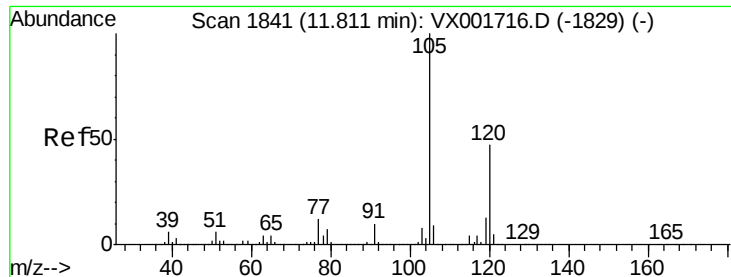
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#83
tert-Butylbenzene
Concen: 72.295 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion: 119 Resp: 468196
Ion Ratio Lower Upper
119 100
91 54.7 27.7 83.0
134 24.9 12.7 38.1





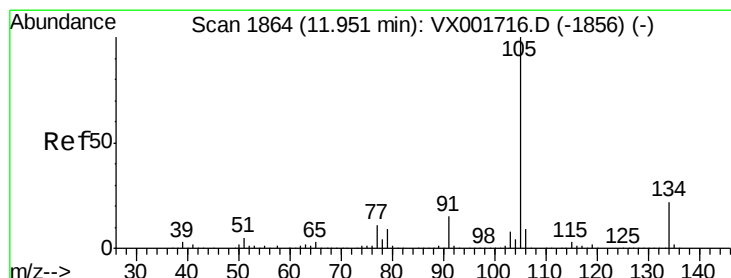
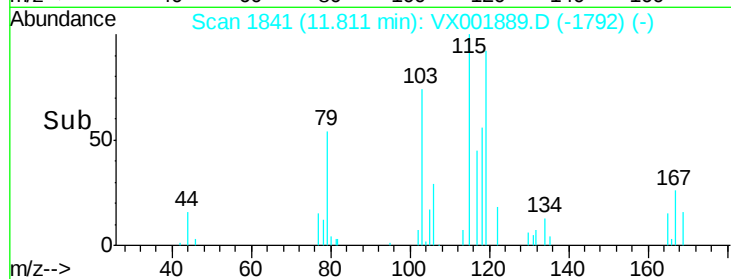
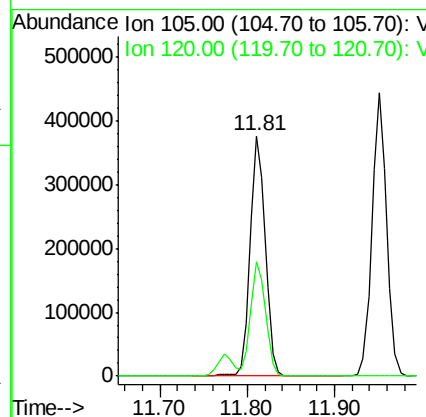
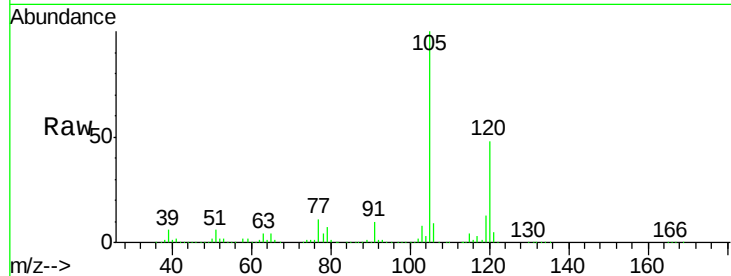
#84
 1,2,4-Trimethylbenzene
 Concen: 66.868 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.5	70.5

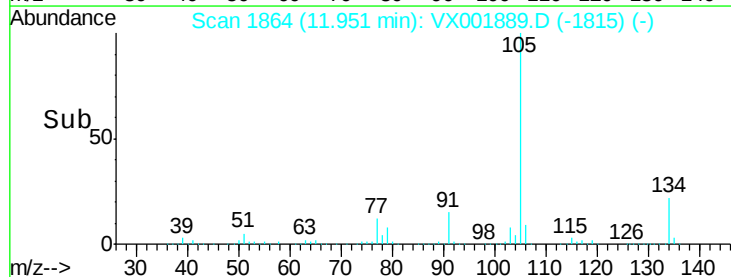
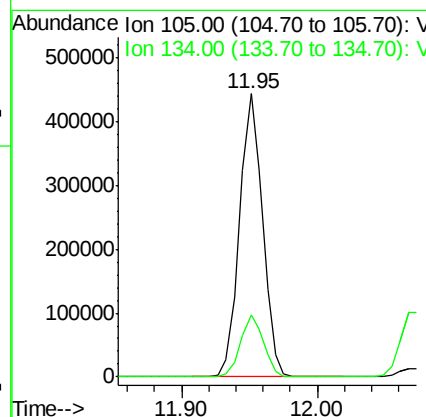
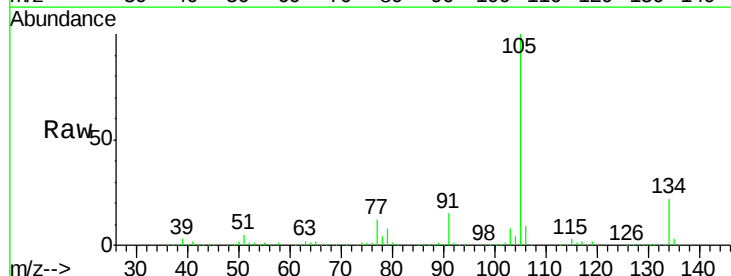
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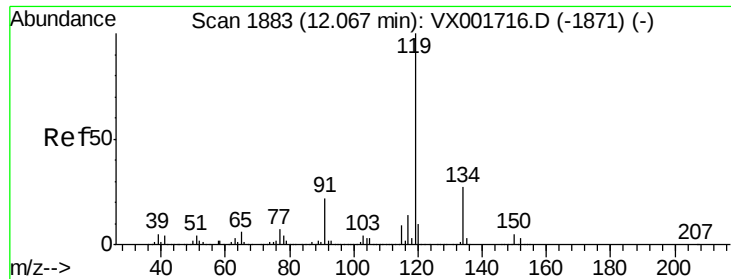
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 65.301 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.9	32.6





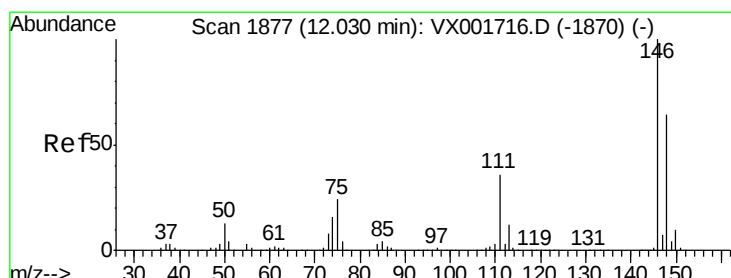
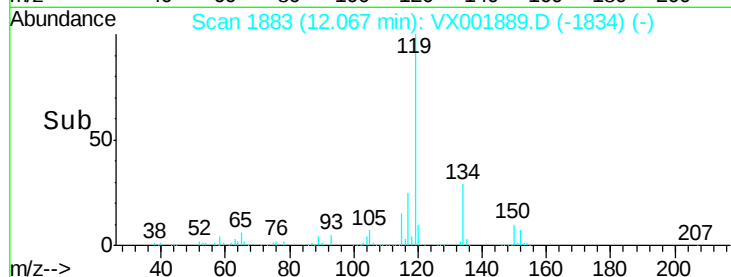
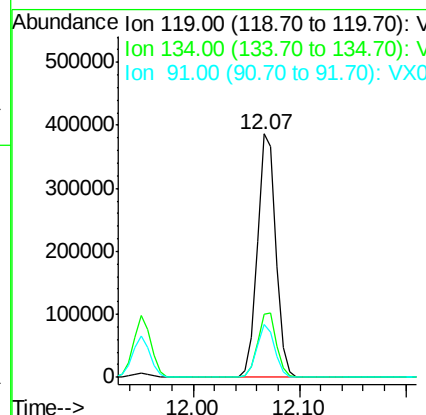
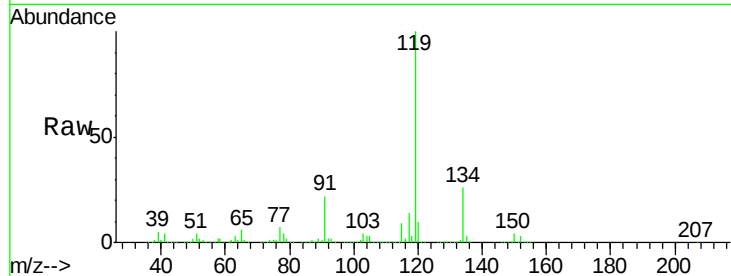
#86
p-Isopropyltoluene
Concen: 63.295 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.8
91	21.1	10.7	32.1

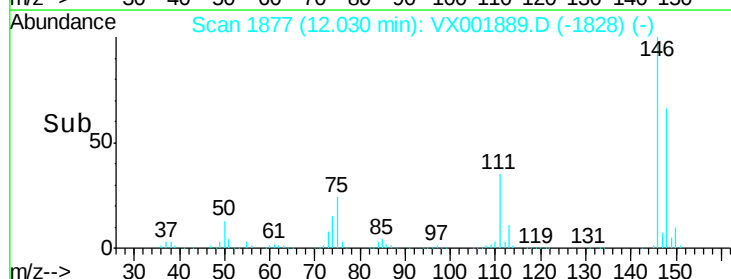
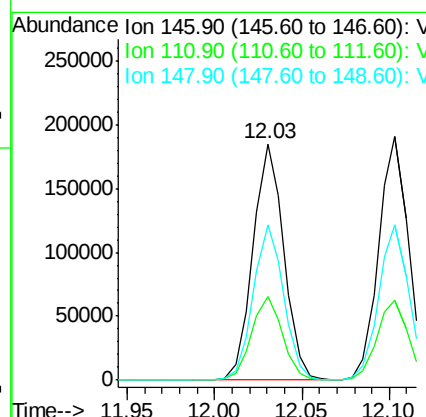
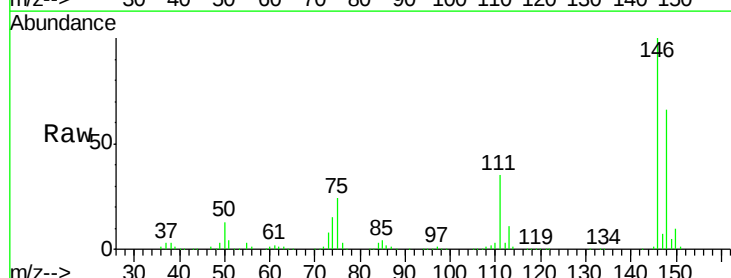
Manual Integrations
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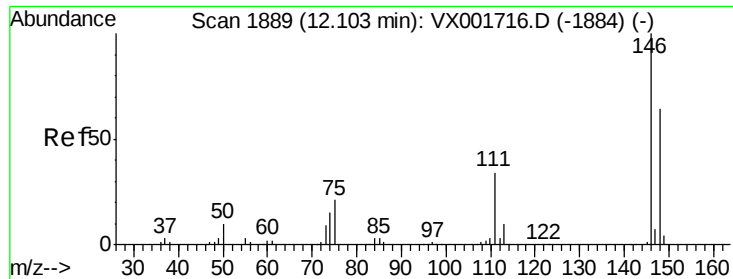
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 52.529 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.8	53.4
148	64.9	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 50.460 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

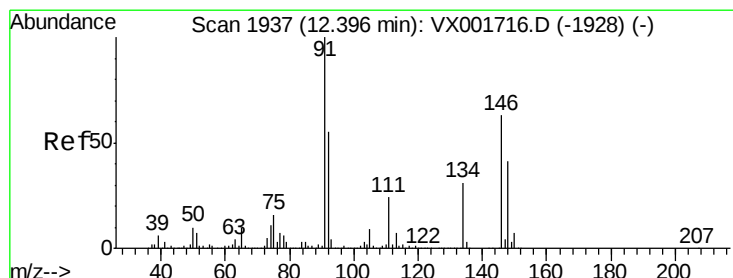
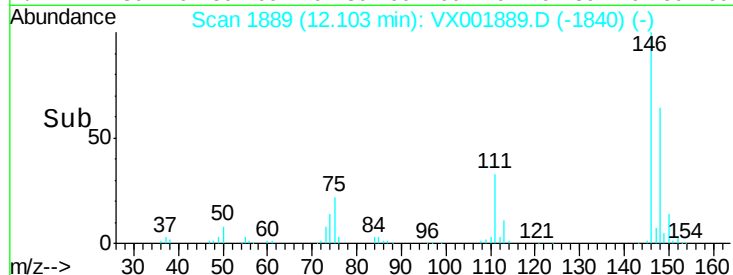
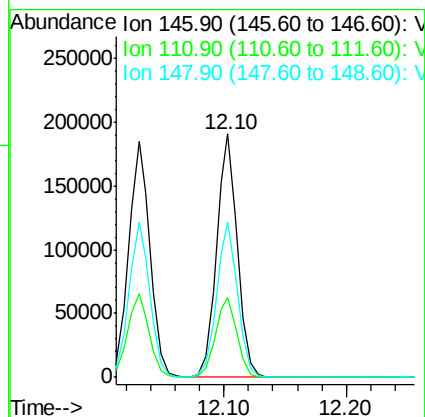
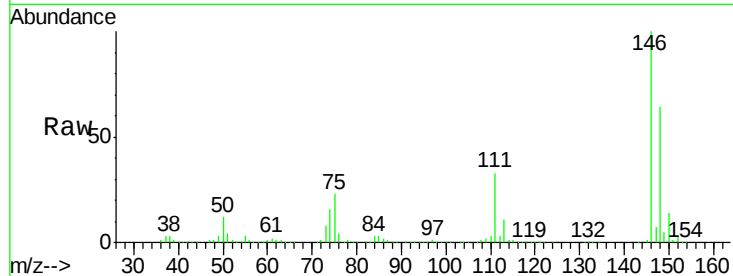
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	224920
Ion Ratio	Lower	Upper	
146	100		
111	34.1	17.3	52.0
148	64.7	32.3	96.9

Manual Integrations
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#89

n-Butylbenzene

Concen: 51.534 ug/l

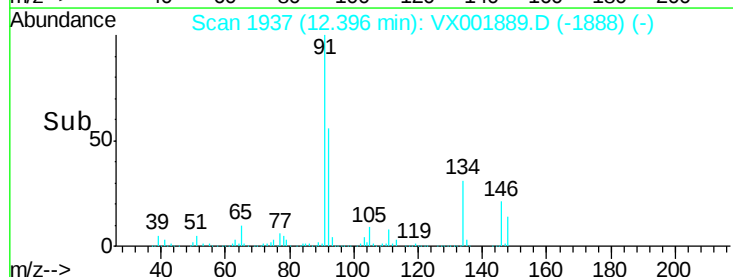
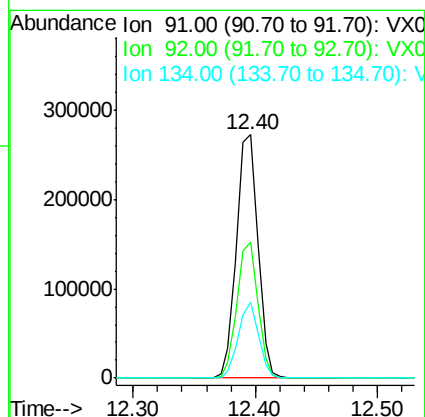
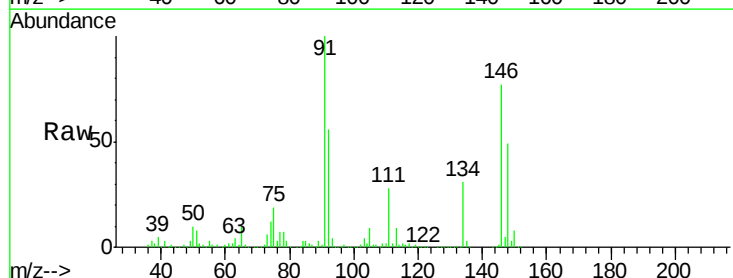
RT: 12.40 min Scan# 1937

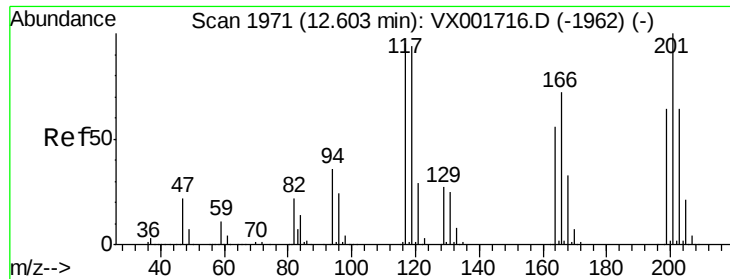
Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion:	91	Resp:	329712
Ion Ratio	Lower	Upper	
91	100		
92	54.5	27.3	81.9
134	29.2	14.7	44.1





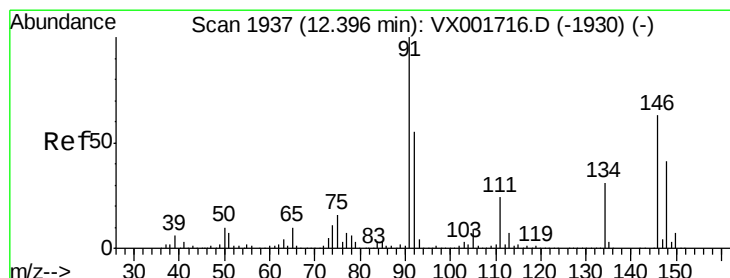
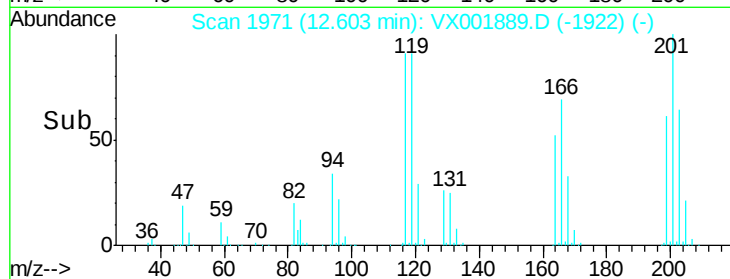
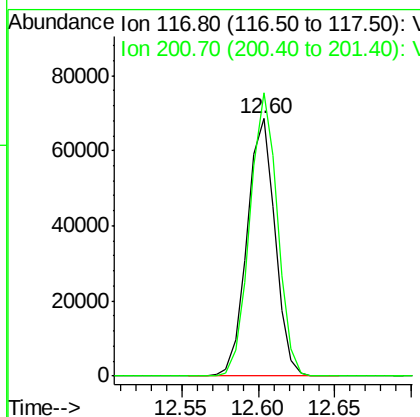
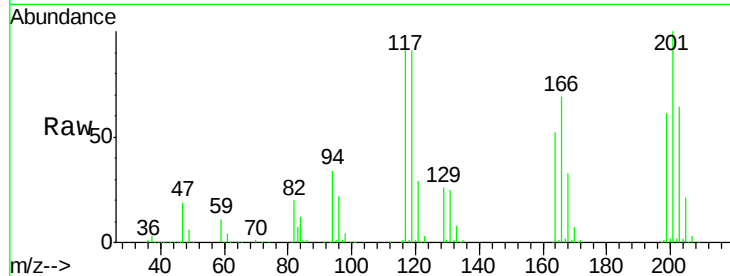
#90
Hexachloroethane
Concen: 75.665 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 86927
Ion Ratio Lower Upper
117 100
201 108.9 51.9 155.7

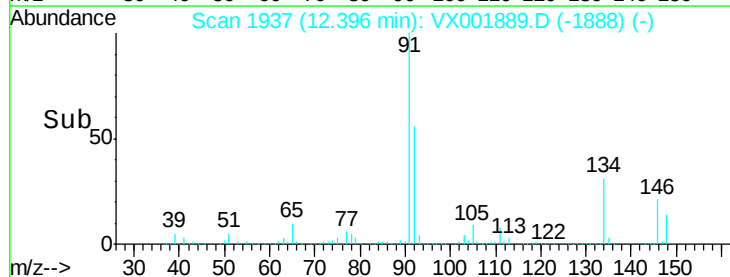
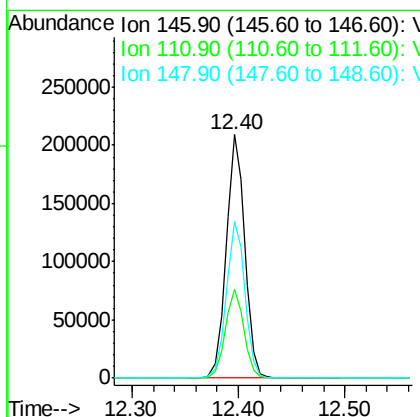
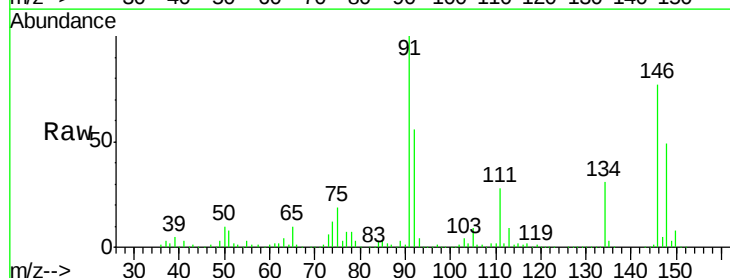
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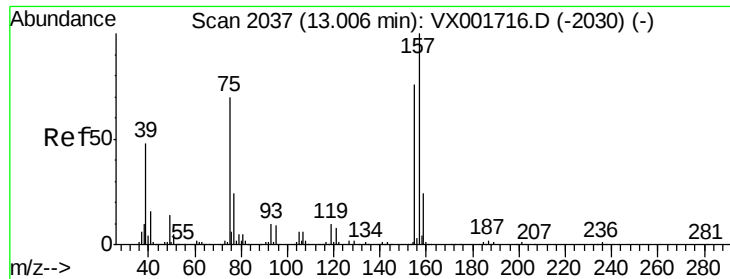
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#91
1,2-Dichlorobenzene
Concen: 59.001 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001889.D
Acq: 21 May 2018 22:18

Tgt Ion:146 Resp: 253410
Ion Ratio Lower Upper
146 100
111 36.6 18.6 56.0
148 64.7 32.4 97.0





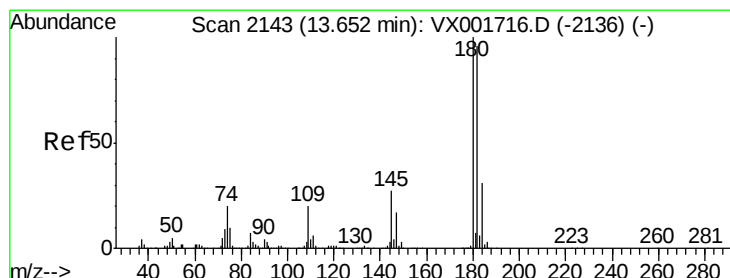
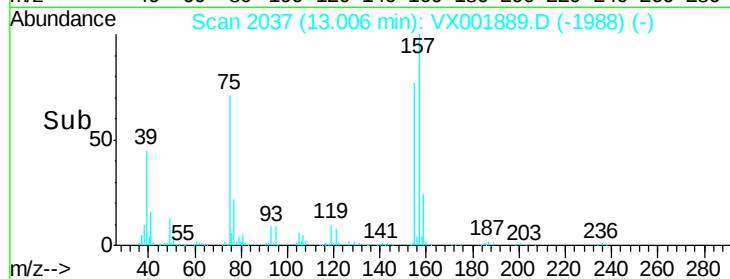
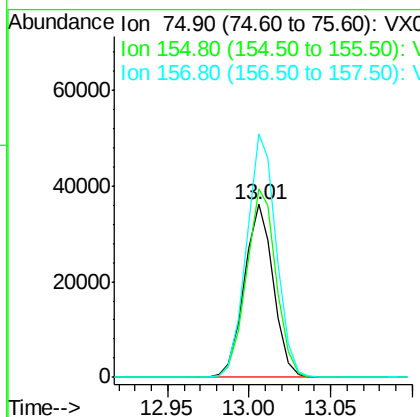
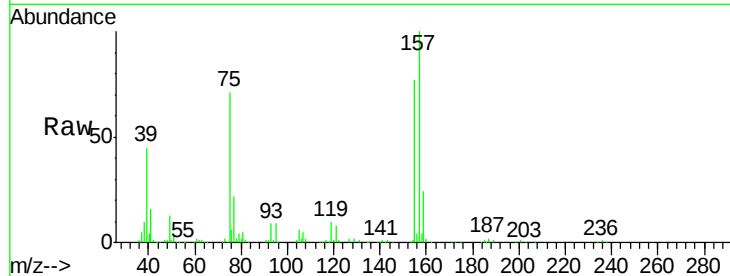
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 88.410 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
155	111.5	53.9	161.8
157	143.0	71.0	213.2

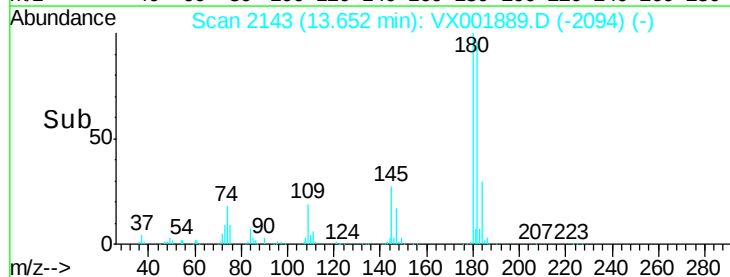
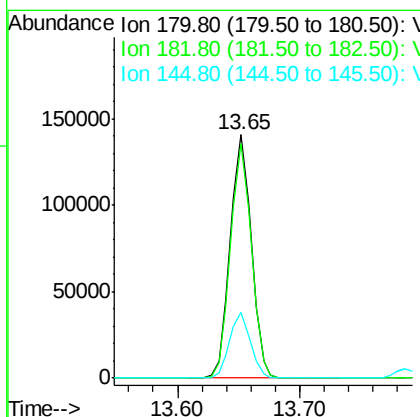
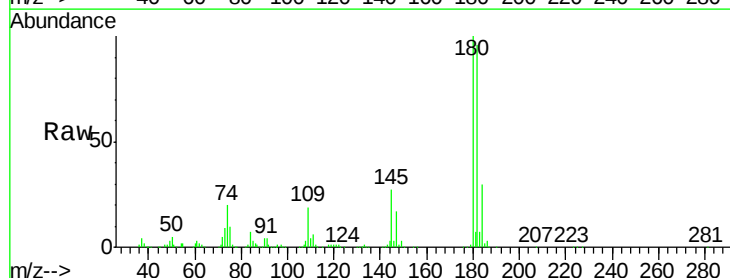
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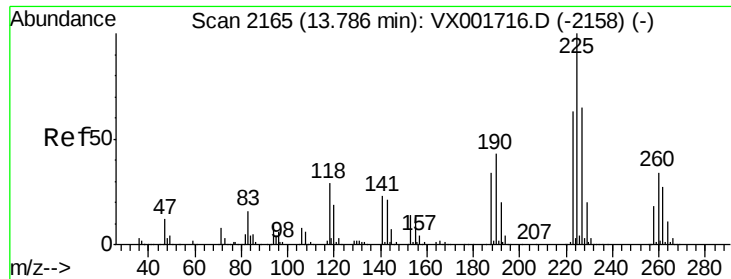
MMDadoda
 5/22/2018 12:47:26 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 48.781 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.6	142.9
145	26.8	13.4	40.1





#94

Hexachlorobutadiene

Concen: 55.851 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Instrument :

MSVOA_X

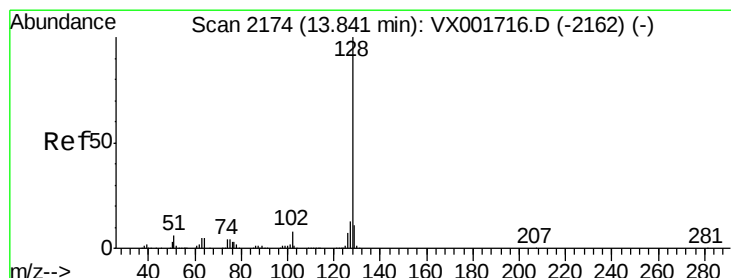
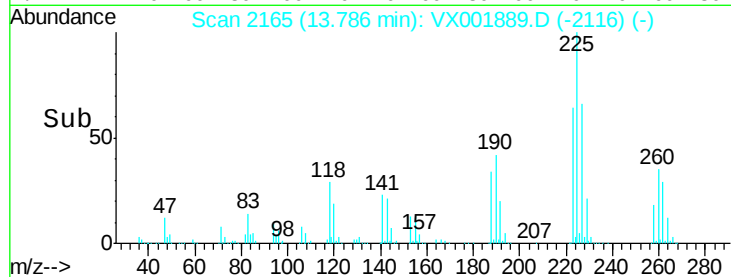
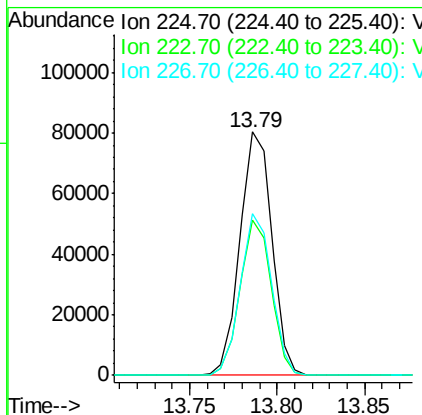
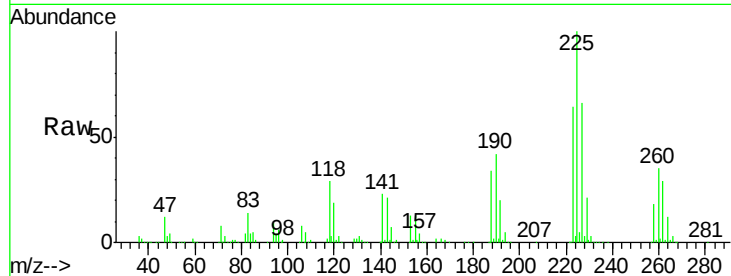
ClientSampled :

VSTDCCC050EC

Tot Ion:	225	Resp:	102657
Ion Ratio		Lower	Upper
225	100		
223	62.4	31.1	93.5
227	64.7	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
5/22/2018 12:47:26 PM



#95

Naphthalene

Concen: 66.605 ug/l

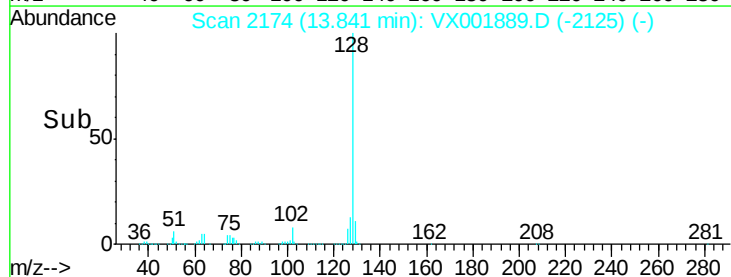
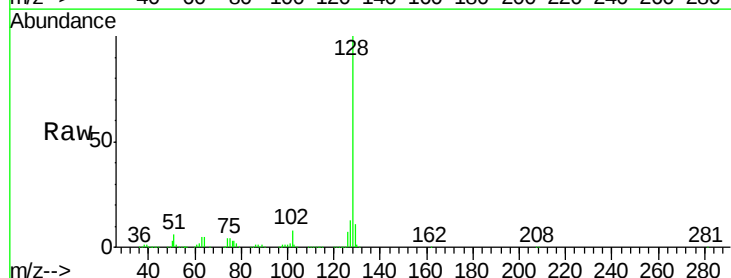
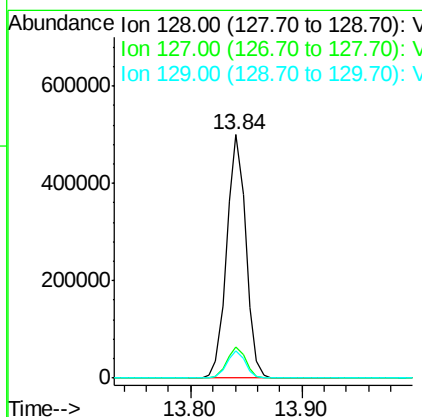
RT: 13.84 min Scan# 2174

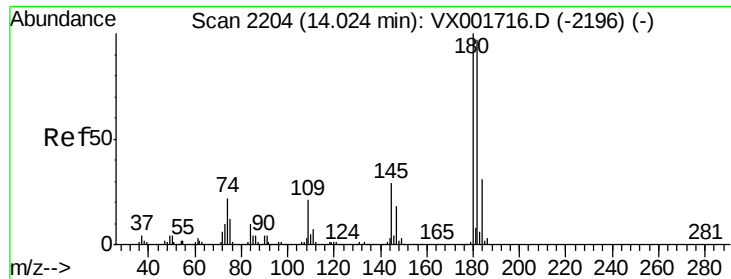
Delta R.T. -0.00 min

Lab File: VX001889.D

Acq: 21 May 2018 22:18

Tgt Ion:	128	Resp:	592715
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3





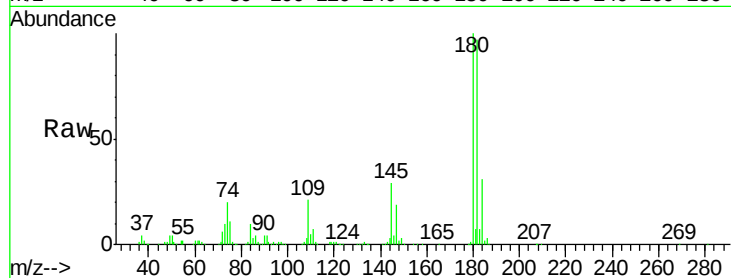
#96
 1,2,3-Trichlorobenzene
 Concen: 55.875 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX001889.D
 Acq: 21 May 2018 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.0	47.9	143.7
145	28.1	14.2	42.8

Manual Integrations
 APPROVED

MMDadoda
 5/22/2018 12:47:26 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

