

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002679.D
 Acq On : 18 Jun 2018 13:36
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:05:29 PM

Quant Time: Jun 18 15:10:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 14:58:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	44732	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	244694	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	231643	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	100578	28.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.23%
60) 4-Bromofluorobenzene	11.14	95	114504	28.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.27%
63) Toluene-d8	8.72	98	304714	29.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.37%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	101144	42.59	ug/l	100
3) Chloromethane	1.32	50	111356	39.42	ug/l	99
4) Vinyl Chloride	1.41	62	124234	44.21	ug/l	96
5) Bromomethane	1.64	94	70204	44.59	ug/l	100
6) Chloroethane	1.72	64	84832	51.03	ug/l	96
7) Trichlorofluoromethane	1.93	101	223542	52.16	ug/l	99
8) Diethyl Ether	2.19	74	79532	49.30	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	127594	55.28	ug/l	98
10) 1,1-Dichloroethene	2.37	96	112079	50.36	ug/l	97
11) Methyl Iodide	2.51	142	133497	38.18	ug/l	99
12) Methyl Acetate	2.78	43	190831	52.90	ug/l	100
13) Acrolein	2.30	56	57350	186.73	ug/l	100
14) Acrylonitrile	3.15	53	349263	235.34	ug/l	99
15) Acetone	2.45	58	96264	243.31	ug/l	94
16) Carbon Disulfide	2.57	76	277659	43.69	ug/l	99
17) Allyl chloride	2.73	41	225796	49.16	ug/l	94
18) Methylene Chloride	2.86	84	126005	50.37	ug/l	99
19) trans-1,2-Dichloroethene	3.17	96	121768	51.75	ug/l	98
20) Diisopropyl ether	3.88	45	410208	46.77	ug/l	99
21) 1,1-Dichloroethane	3.70	63	214722	45.99	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	129763	46.25	ug/l #	76
23) tert-Butyl Alcohol	3.08	59	152702	198.37	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	422232	48.61	ug/l	100
25) Chloroform	5.22	83	225961	46.03	ug/l	99
26) Cyclohexane	5.58	56	189869	44.19	ug/l #	93
29) 1,1-Dichloropropene	5.80	75	163177	47.66	ug/l	98
30) 2-Butanone	4.71	43	475303	199.04	ug/l	98
31) 2,2-Dichloropropane	4.59	77	176970	58.82	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	199468	44.61	ug/l	99
33) Carbon Tetrachloride	5.79	117	178479	43.93	ug/l	93
34) Benzene	6.15	78	483761	46.80	ug/l	99
35) Methacrylonitrile	5.07	41	102974	38.94	ug/l	94
36) 1,2-Dichloroethane	6.20	62	189957	47.16	ug/l	99
37) Trichloroethene	7.22	130	141520	48.26	ug/l	94
38) Methylcyclohexane	7.46	83	199816	50.02	ug/l	97
39) 1,2-Dichloropropane	7.52	63	126464	45.24	ug/l	96
40) Dibromomethane	7.67	93	88689	47.29	ug/l	97

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Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	167246	42.99	ug/l	99
42) Vinyl Acetate	3.83	43	1751259	231.81	ug/l	100
43) Ethyl Acetate	4.87	43	184525	39.37	ug/l	98
44) Isopropyl Acetate	6.47	43	305415	39.18	ug/l	100
45) 1,4-Dioxane	7.76	88	58162	784.40	ug/l #	87
46) Methyl methacrylate	7.78	41	157086	39.80	ug/l	98
47) n-amyl Acetate	10.90	43	289789	40.41	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	196592	44.97	ug/l	99
49) cis-1,3-Dichloropropene	9.05	75	185778	43.89	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	129350	48.05	ug/l	98
51) Ethyl methacrylate	9.18	69	199576	42.79	ug/l	96
52) 1,3-Dichloropropane	9.38	76	214190	47.16	ug/l	100
53) Dibromochloromethane	9.59	129	140577	42.74	ug/l	100
54) 1,2-Dibromoethane	9.68	107	138050	47.36	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	481322	219.88	ug/l	99
56) Bromoform	10.86	173	110574	38.23	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	1002460	198.86	ug/l	98
59) 2-Hexanone	9.50	43	766165	195.87	ug/l	99
61) Tetrachloroethene	9.34	164	157372	44.54	ug/l	98
62) Toluene	8.79	91	553822	46.82	ug/l	98
64) Chlorobenzene	10.14	112	366014	47.80	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	137245	44.05	ug/l	99
66) Ethyl Benzene	10.26	91	631363	47.49	ug/l	100
67) m/p-Xylenes	10.36	106	491227	97.32	ug/l	98
68) o-Xylene	10.70	106	238636	47.21	ug/l	97
69) Styrene	10.71	104	401608	47.32	ug/l	99
70) Isopropylbenzene	11.02	105	658986	48.70	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	193868	45.71	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	173132m	43.34	ug/l	
73) Bromobenzene	11.26	156	182837	50.30	ug/l	92
74) n-propylbenzene	11.37	91	759886	50.30	ug/l	99
75) 2-Chlorotoluene	11.43	91	441351	47.37	ug/l	98
76) 1,3,5-Trimethylbenzene	11.51	105	561035	48.76	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	55931	38.64	ug/l	91
78) 4-Chlorotoluene	11.51	91	523374	49.40	ug/l	98
79) tert-butylbenzene	12.07	119	620534	51.43	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	575377	49.46	ug/l	98
81) sec-Butylbenzene	11.95	105	682703	50.62	ug/l	99
82) p-Isopropyltoluene	12.07	119	620534	51.43	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	333850	51.83	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	339619	52.98	ug/l	99
85) n-Butylbenzene	12.39	91	549970	54.35	ug/l	99
86) Hexachloroethane	12.60	117	94654	39.43	ug/l	96
87) 1,2-Dichlorobenzene	12.40	146	336917	50.79	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	45397	36.75	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	256434	54.43	ug/l	99
90) Hexachlorobutadiene	13.79	225	134899	53.83	ug/l	99
91) Naphthalene	13.84	128	700907	47.15	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	258755	52.59	ug/l	99

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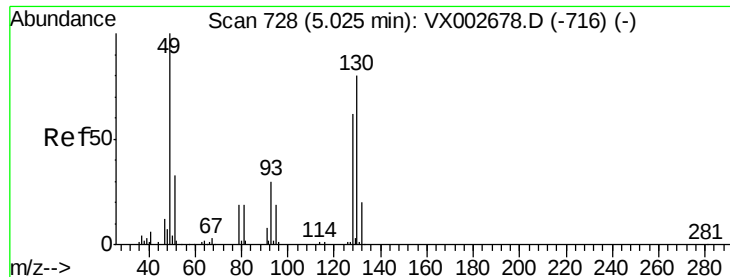
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:128 Resp: 44732

Ion Ratio Lower Upper

128 100

49 158.4 0.0 423.0

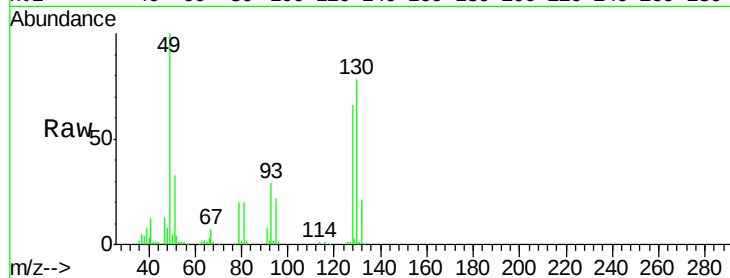
130 125.0 0.0 324.3

Manual Integrations

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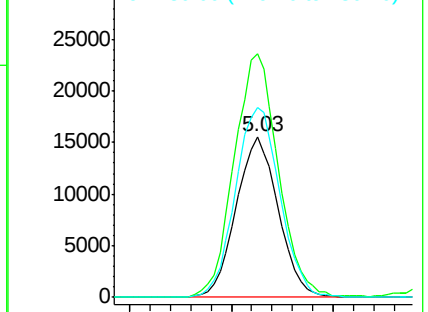
6/19/2018 1:05:29 PM



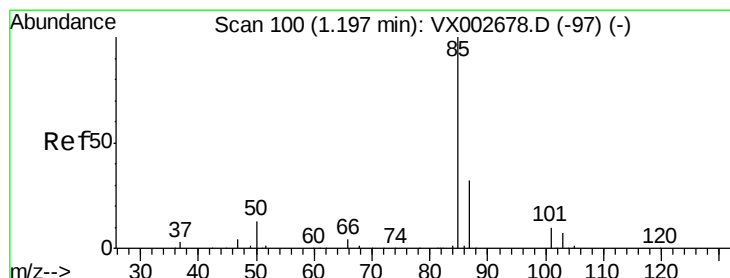
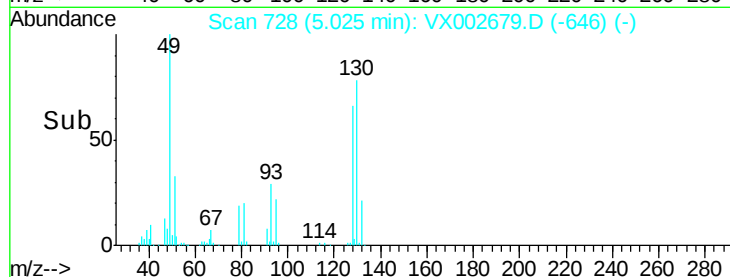
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 42.59 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX002679.D

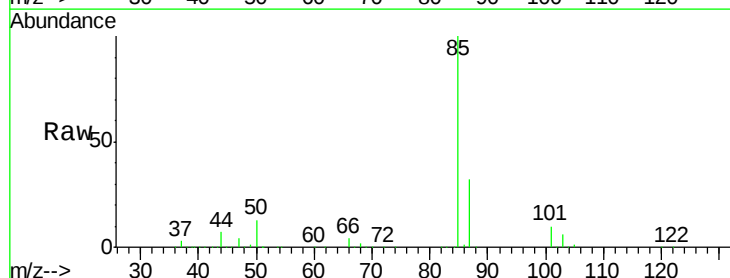
Acq: 18 Jun 2018 13:36

Tgt Ion: 85 Resp: 101144

Ion Ratio Lower Upper

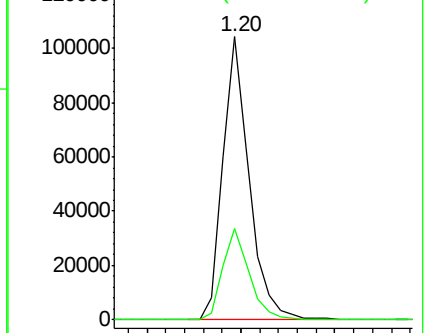
85 100

87 32.3 16.2 48.5

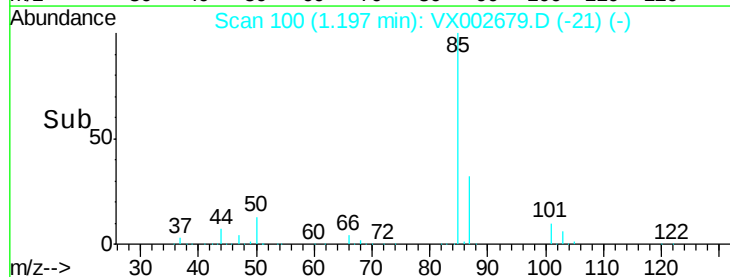


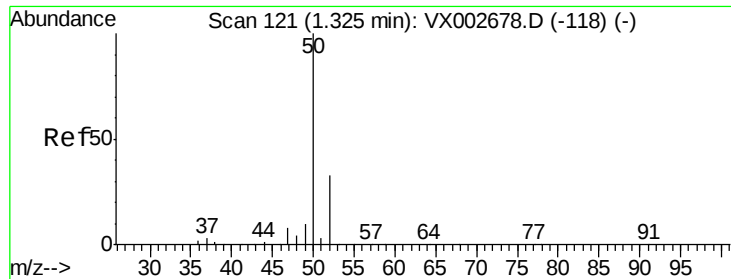
Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->





#3

Chloromethane

Concen: 39.42 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 111356

Ion Ratio Lower Upper

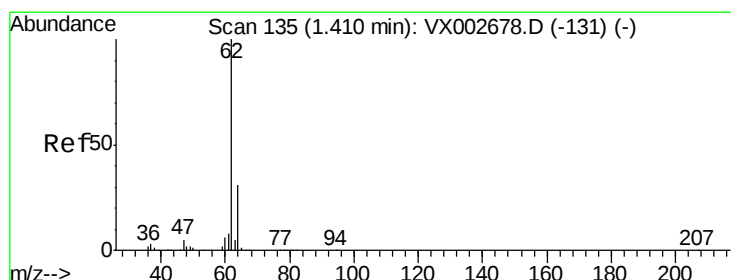
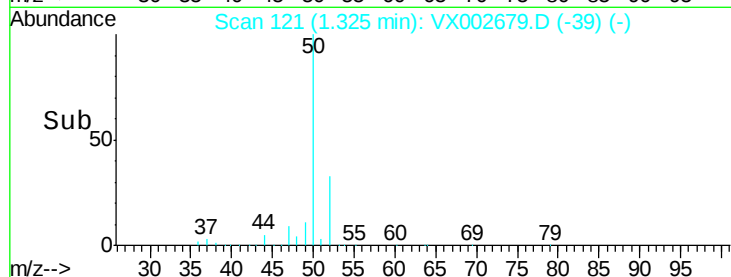
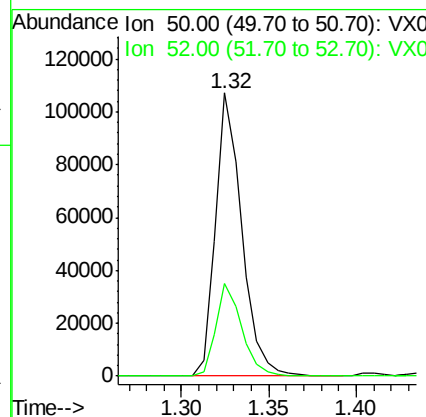
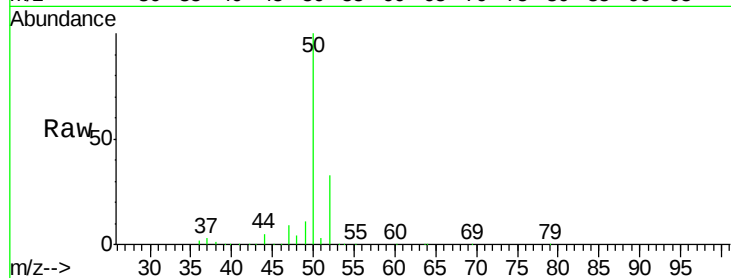
50 100

52 32.7 25.6 38.4

Manual Integrations
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6/19/2018 1:05:29 PM



#4

Vinyl Chloride

Concen: 44.21 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002679.D

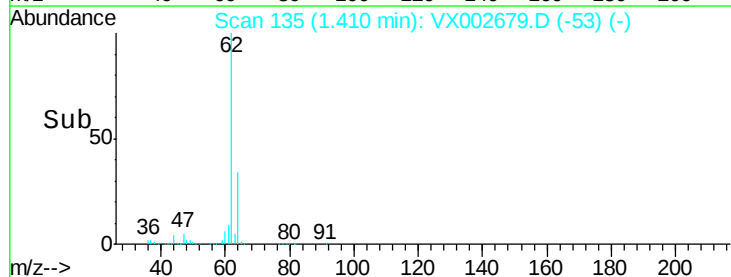
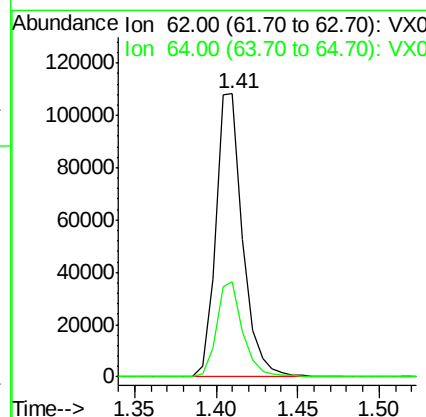
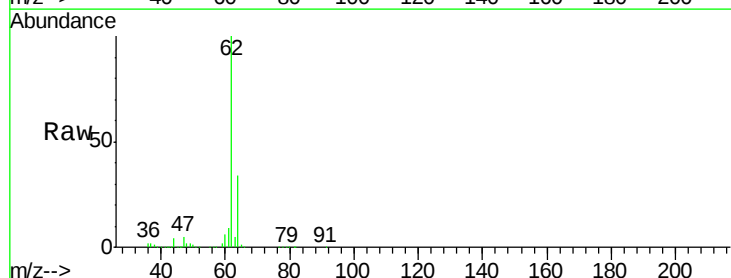
Acq: 18 Jun 2018 13:36

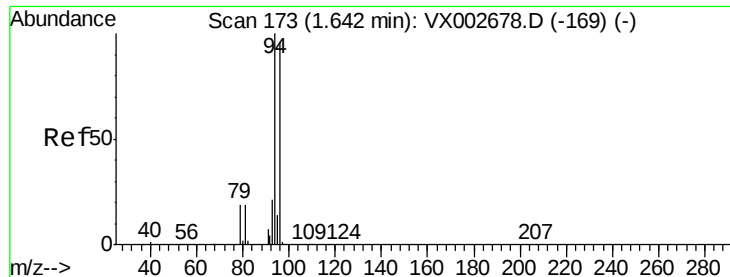
Tgt Ion: 62 Resp: 124234

Ion Ratio Lower Upper

62 100

64 33.7 25.3 37.9





#5

Bromomethane

Concen: 44.59 ug/l

RT: 1.64 min Scan# 172

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 70204

Ion Ratio Lower Upper

94 100

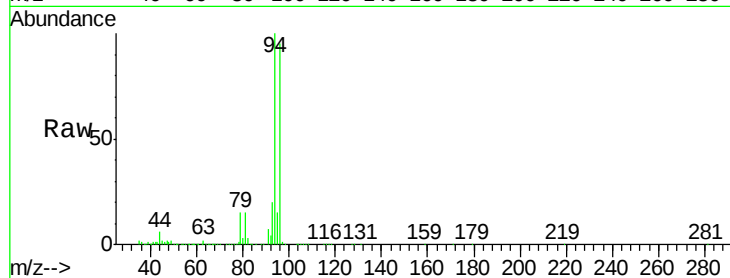
96 94.7 75.7 113.5

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

80000

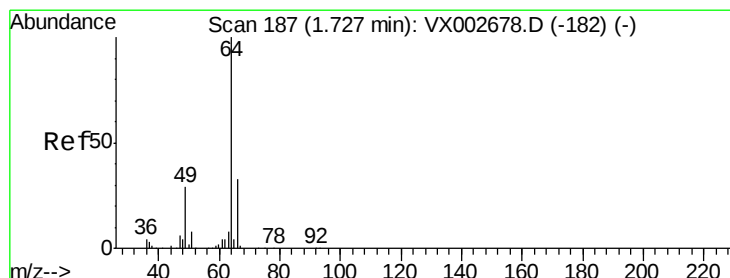
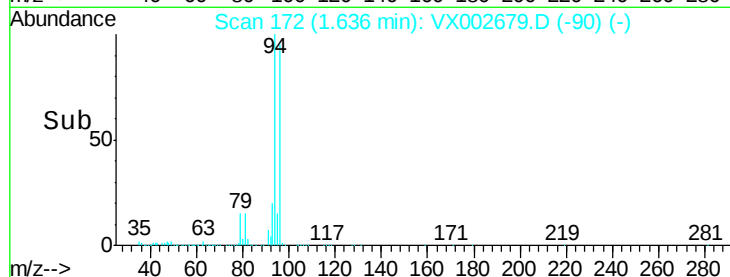
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 51.03 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002679.D

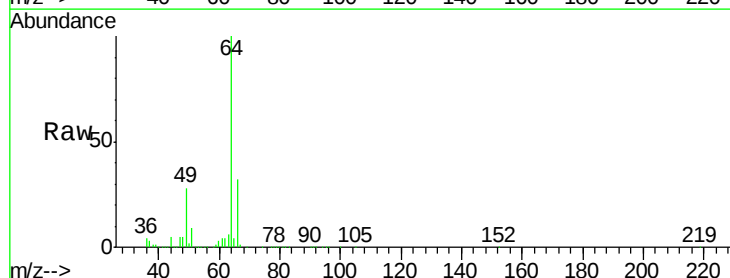
Acq: 18 Jun 2018 13:36

Tgt Ion: 64 Resp: 84832

Ion Ratio Lower Upper

64 100

66 32.4 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.72

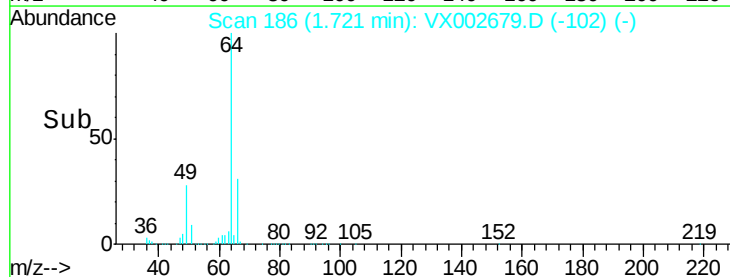
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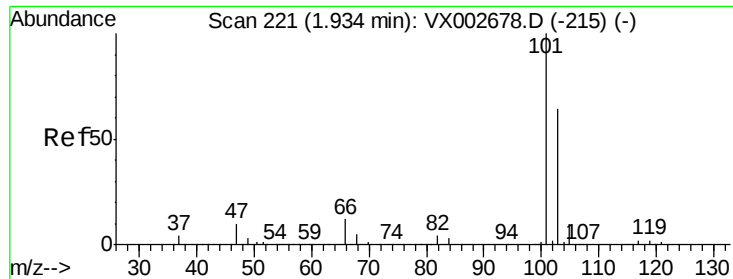
40000

20000

0

Time-->





#7

Trichlorofluoromethane

Concen: 52.16 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:101 Resp: 223542

Ion Ratio Lower Upper

101 100

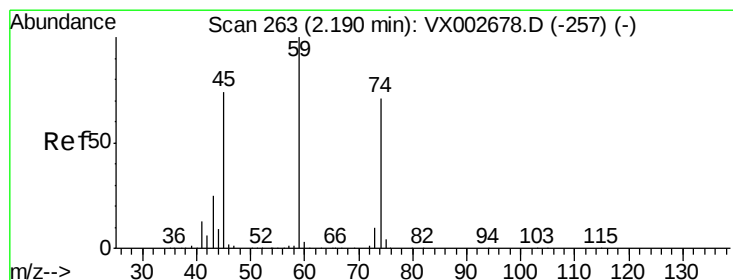
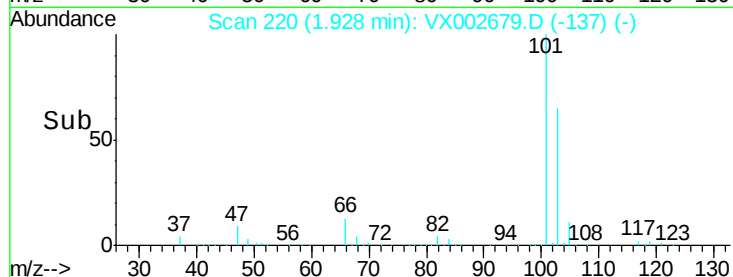
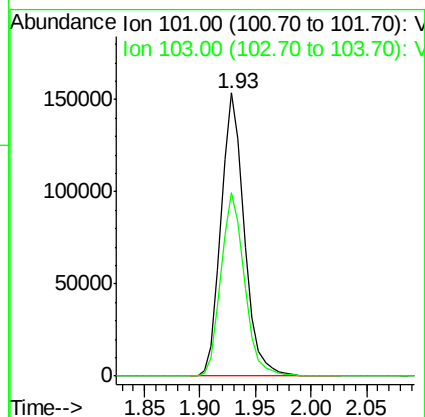
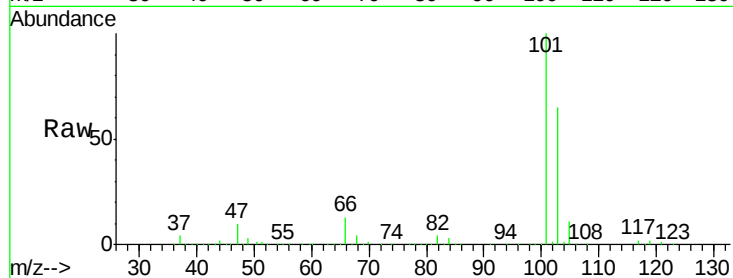
103 65.0 51.5 77.3

Manual Integrations

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#8

Diethyl Ether

Concen: 49.30 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX002679.D

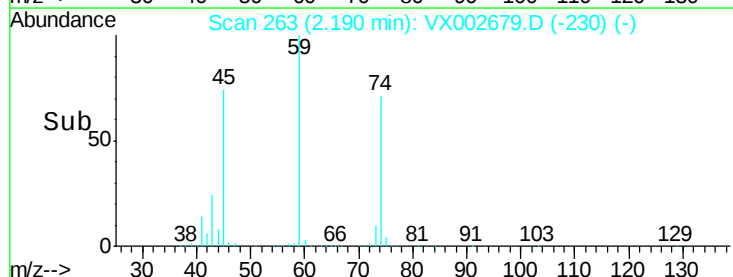
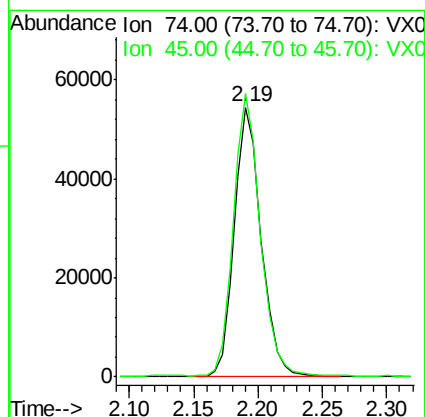
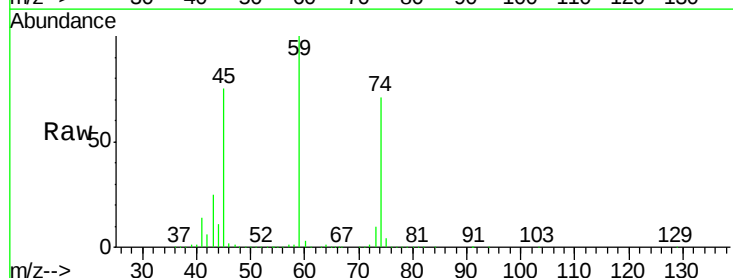
Acq: 18 Jun 2018 13:36

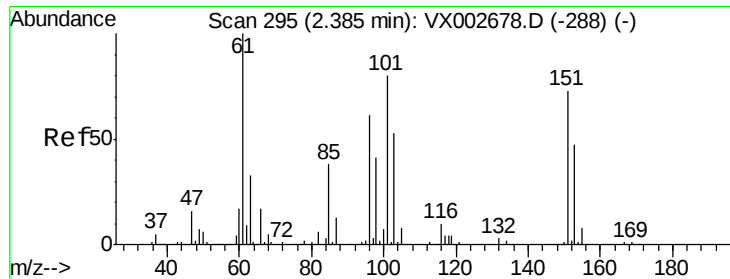
Tgt Ion: 74 Resp: 79532

Ion Ratio Lower Upper

74 100

45 105.0 20.5 184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.28 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

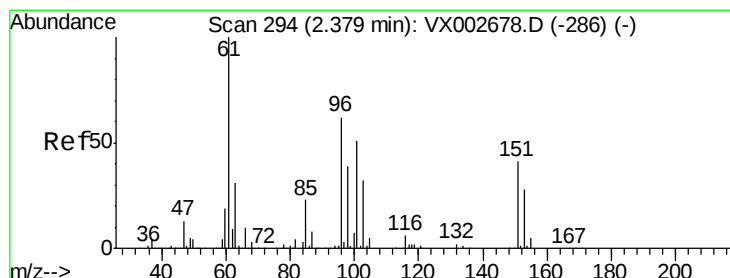
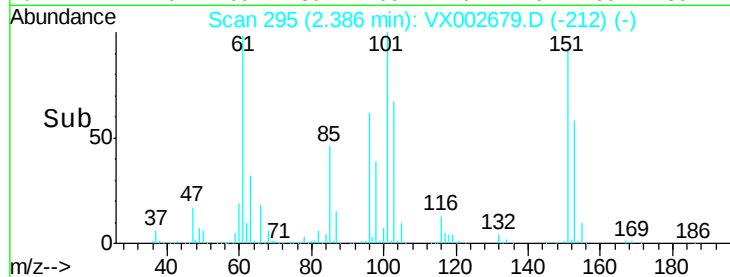
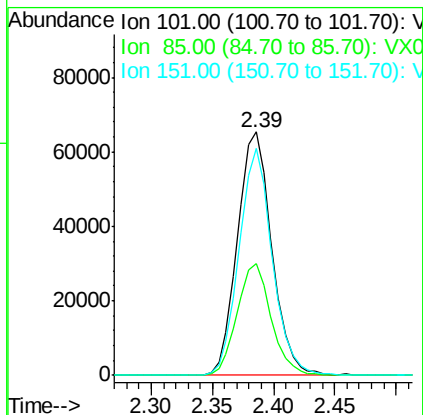
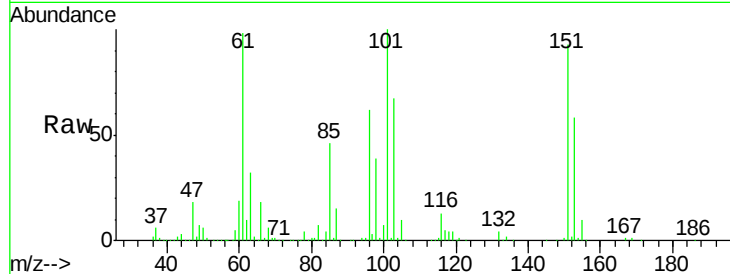
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	127594
Ion Ratio	Lower	Upper	
101	100		
85	45.5	0.0	87.0
151	90.1	0.0	177.6

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#10

1,1-Dichloroethene

Concen: 50.36 ug/l

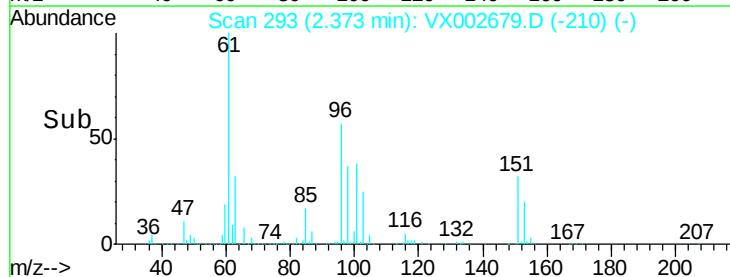
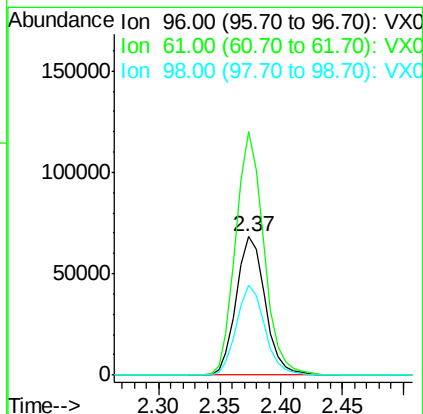
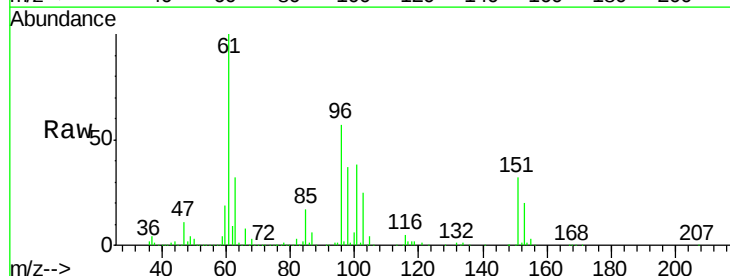
RT: 2.37 min Scan# 293

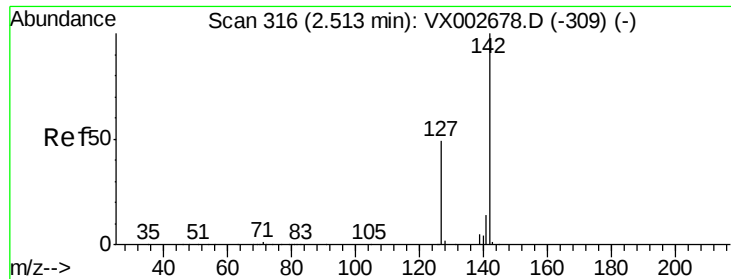
Delta R.T. 0.01 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Tgt Ion:	96	Resp:	112079
Ion Ratio	Lower	Upper	
96	100		
61	176.3	137.5	206.3
98	65.6	51.4	77.2





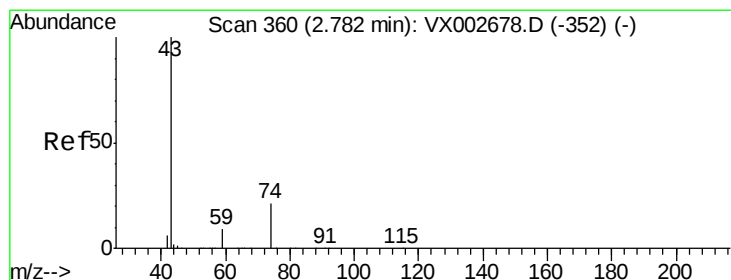
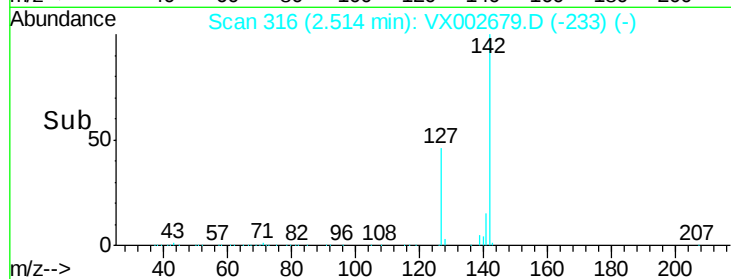
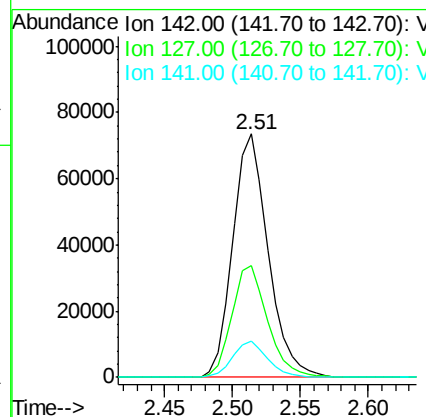
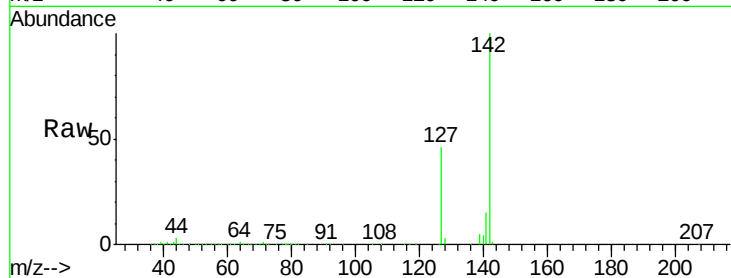
#11
Methvl Iodide
Concen: 38.18 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	45.6	23.2	69.6
141	14.9	7.4	22.2

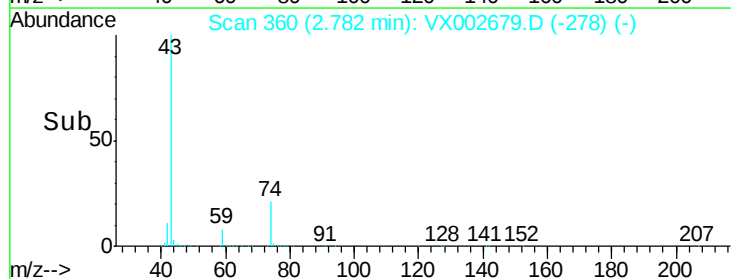
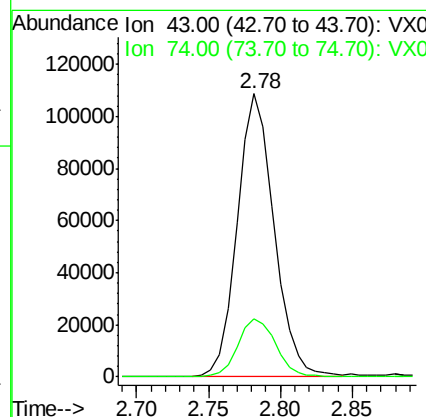
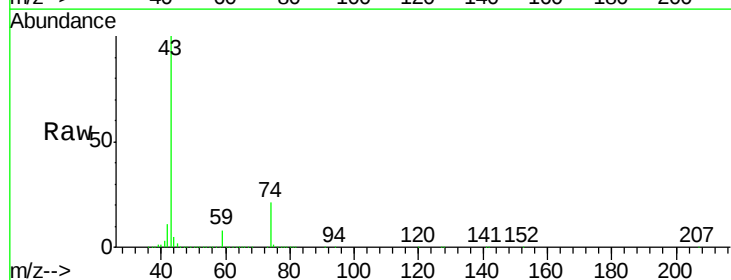
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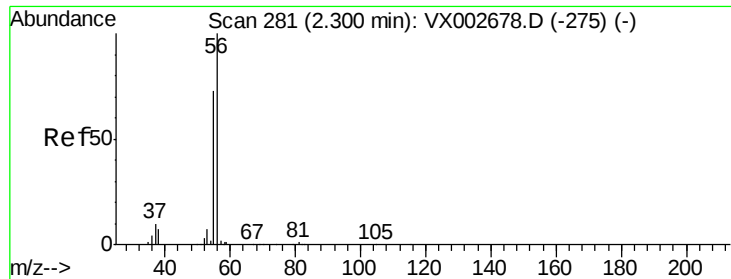
MMDadoda
6/19/2018 1:05:29 PM



#12
Methyl Acetate
Concen: 52.90 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.4	24.6





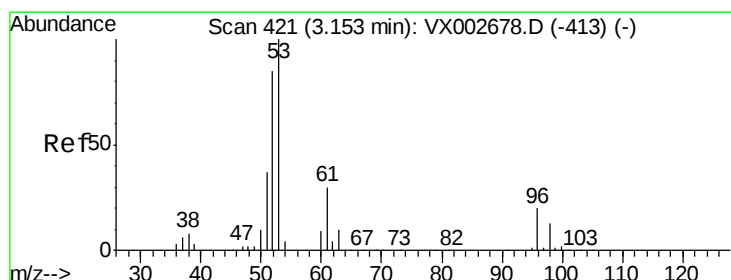
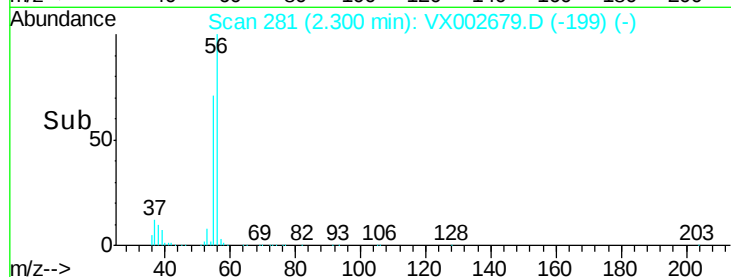
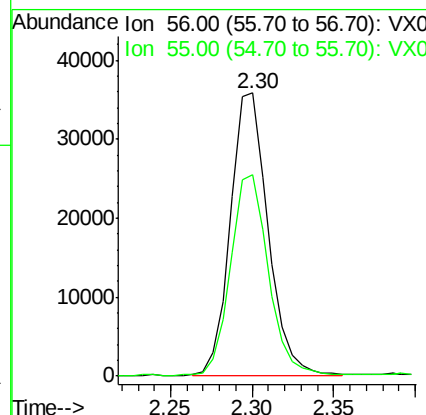
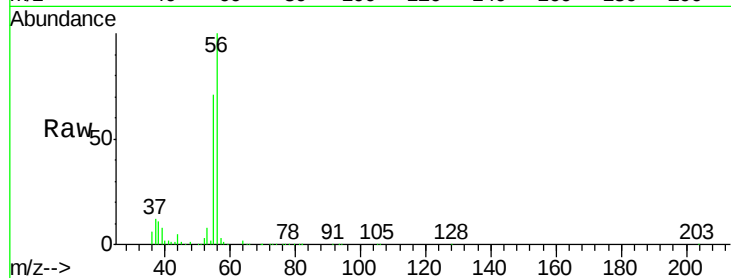
#13
Acrolein
Concen: 186.73 ug/l
RT: 2.30 min Scan# 281
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.2	57.3	85.9

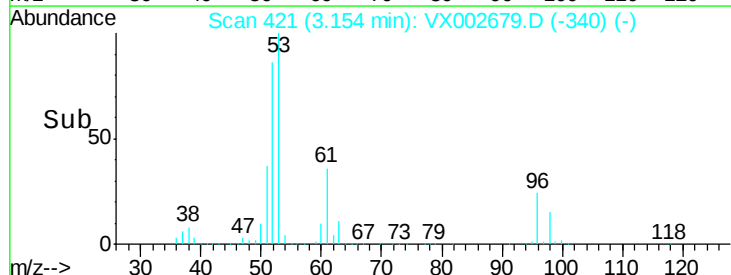
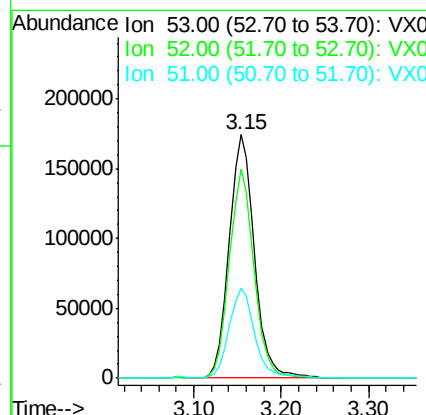
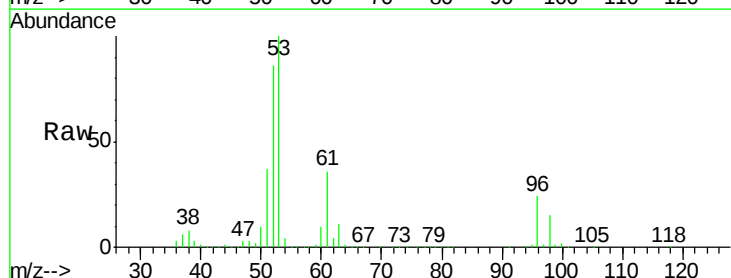
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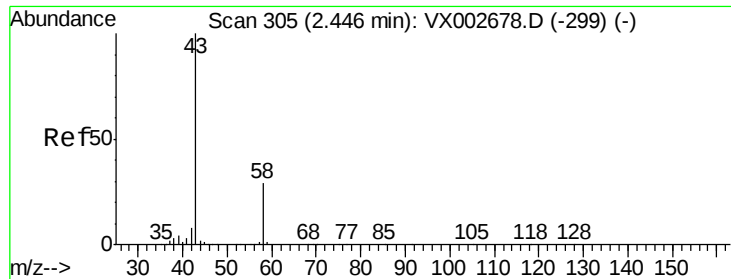
MMDadoda
6/19/2018 1:05:29 PM



#14
Acrylonitrile
Concen: 235.34 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	83.5	41.5	124.6
51	51	37.5	17.9	53.8





#15

Acetone

Concen: 243.31 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 96264

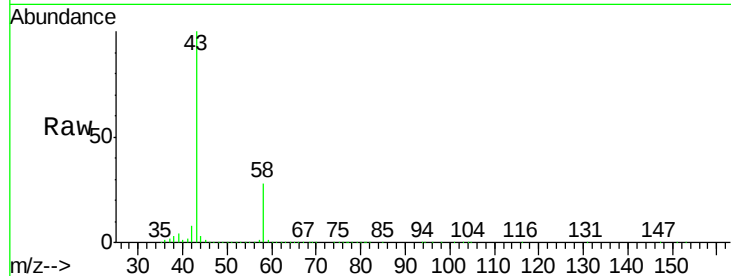
Ion Ratio Lower Upper

58 100

43 360.6 278.8 418.2

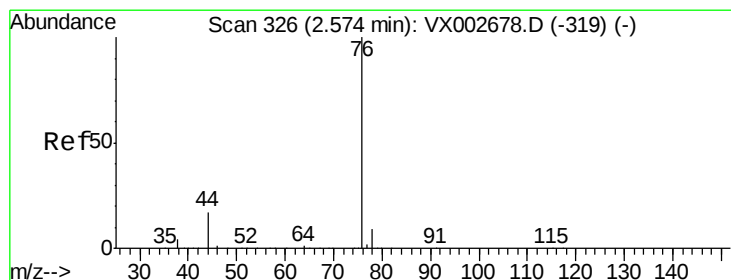
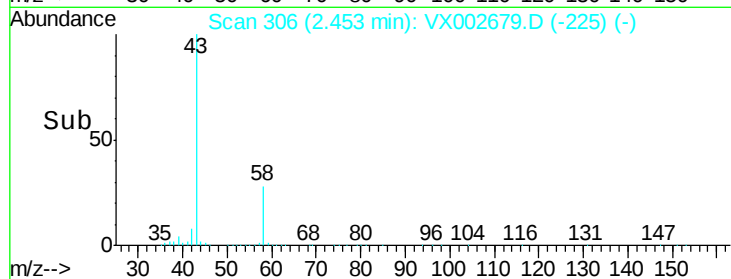
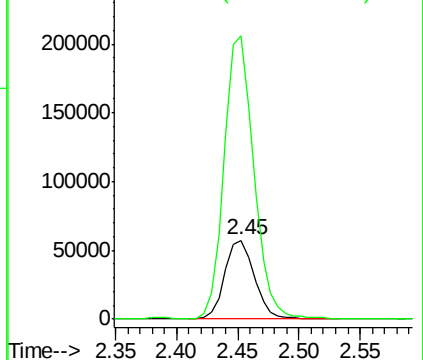
Manual Integrations
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6/19/2018 1:05:29 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 43.69 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX002679.D

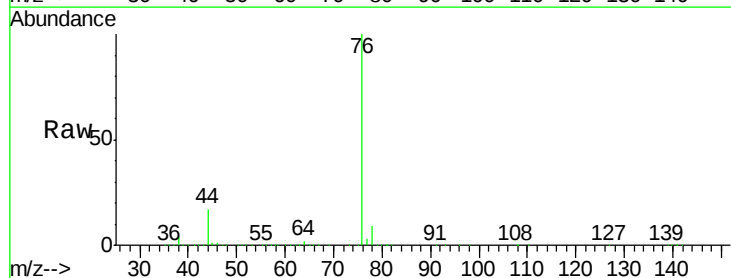
Acq: 18 Jun 2018 13:36

Tgt Ion: 76 Resp: 277659

Ion Ratio Lower Upper

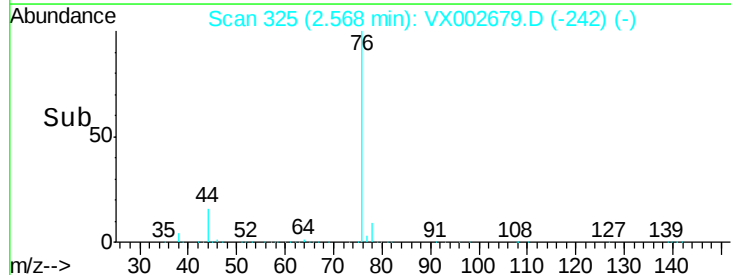
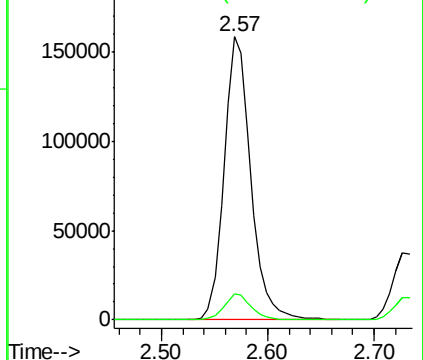
76 100

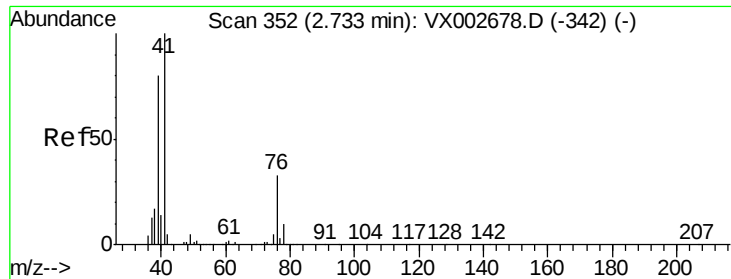
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





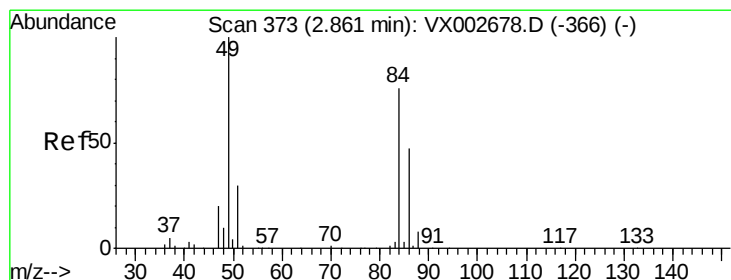
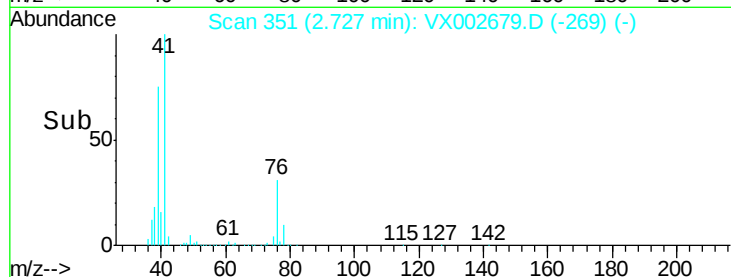
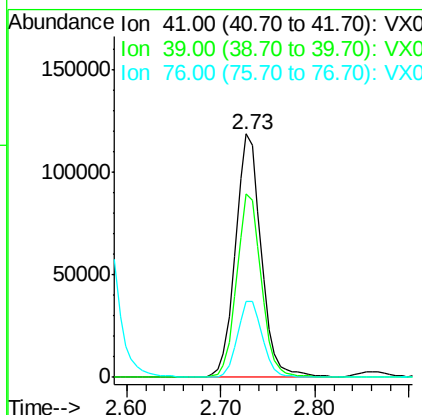
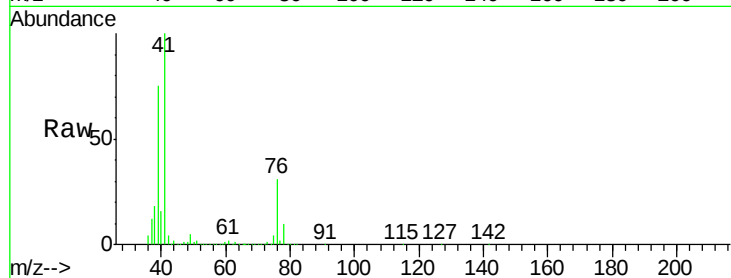
#17
Allvl chloride
Concen: 49.16 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.1	34.6	103.8
76	31.3	15.0	45.1

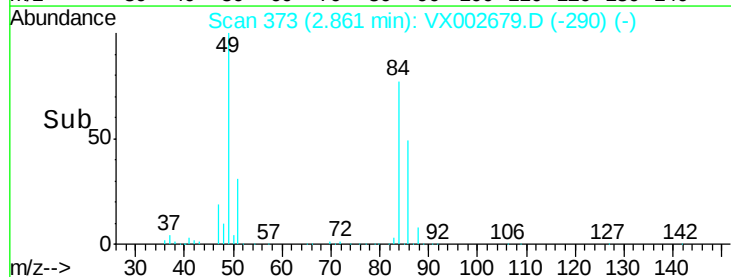
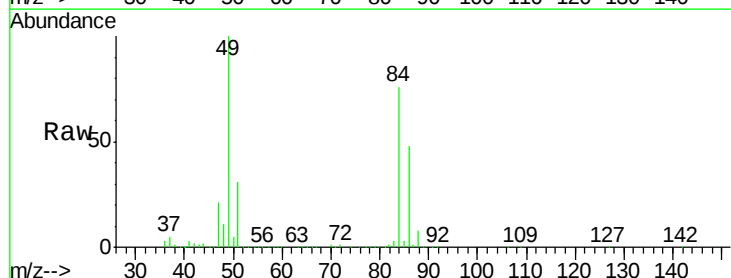
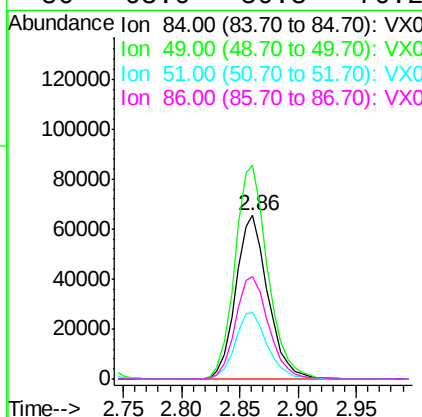
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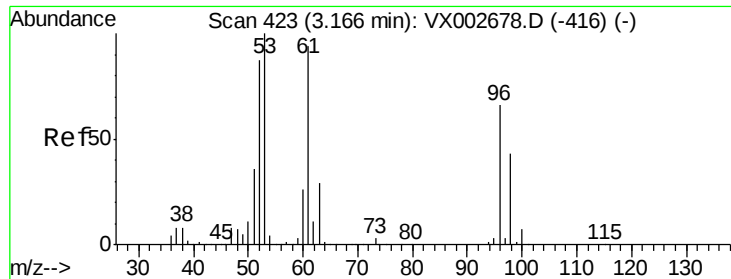
MMDadoda
6/19/2018 1:05:29 PM



#18
Methylene Chloride
Concen: 50.37 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.7	104.7	157.1
51	40.7	31.0	46.4
86	63.0	50.8	76.2





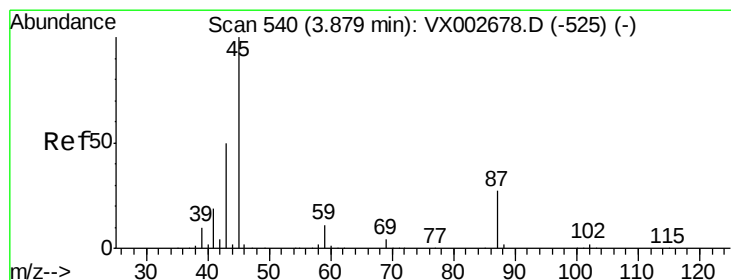
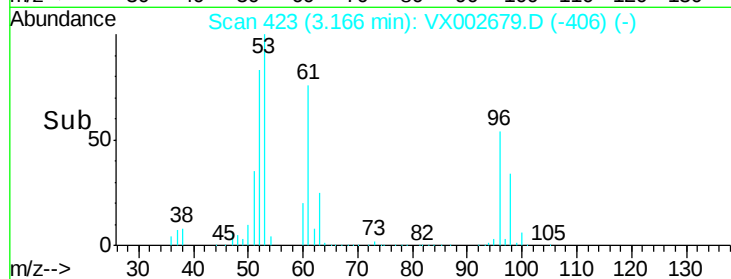
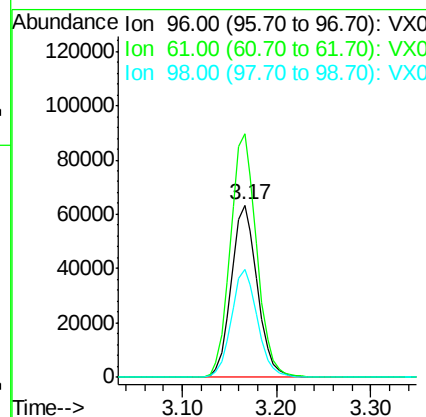
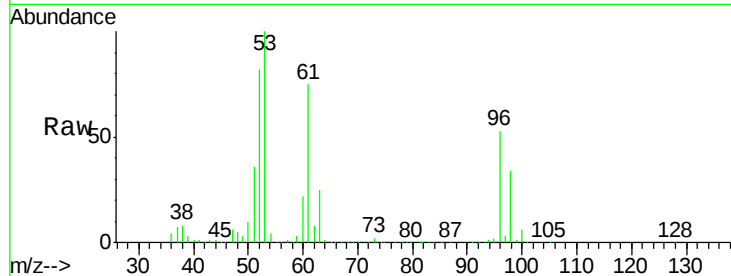
#19
trans-1,2-Dichloroethene
Concen: 51.75 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	114.6	172.0
98	62.9	51.3	76.9

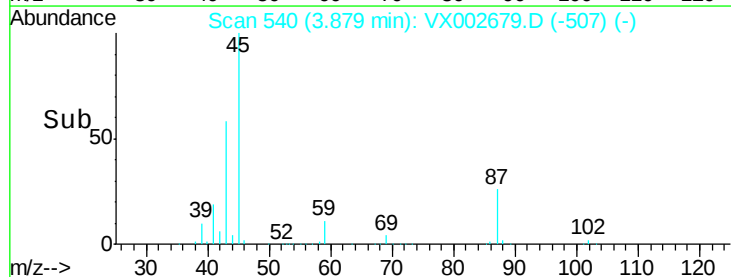
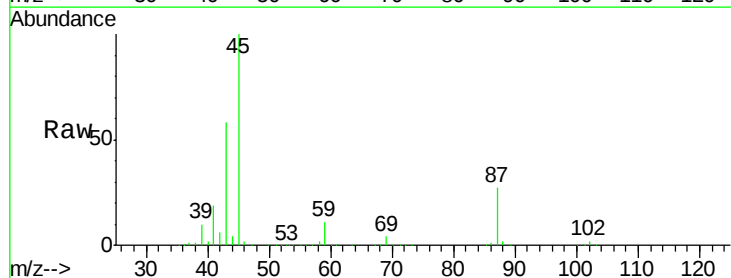
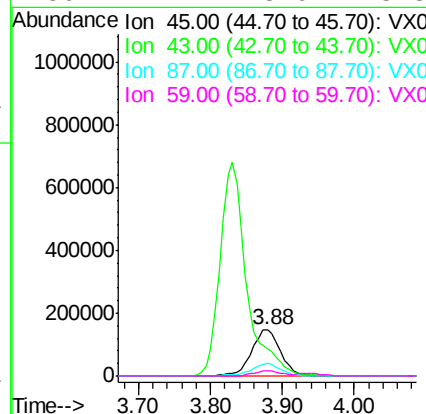
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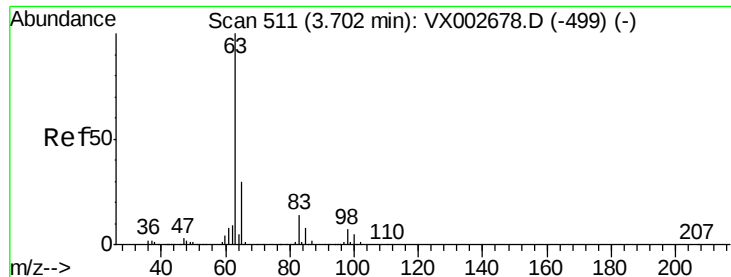
MMDadoda
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#20
Diisopropyl ether
Concen: 46.77 ug/l
RT: 3.88 min Scan# 540
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	45.6	68.4
87	26.7	20.7	31.1
59	11.1	8.9	13.3





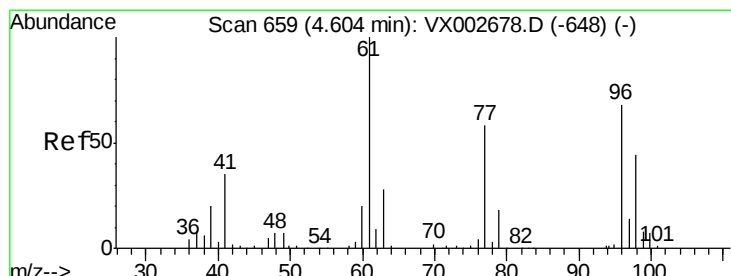
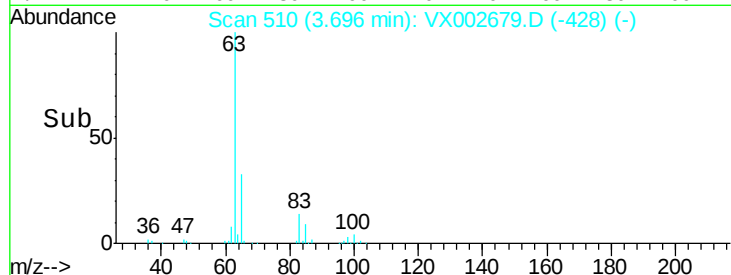
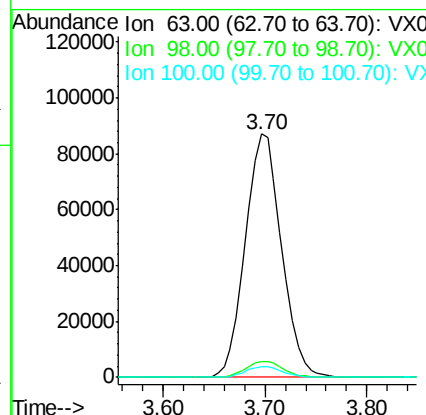
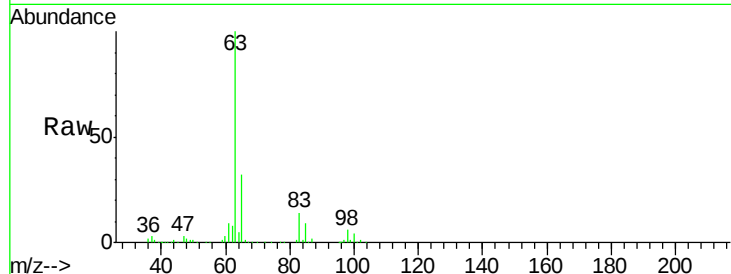
#21
 1,1-Dichloroethane
 Concen: 45.99 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	214722		
98	6.4	3.1	9.3	
100	4.3	2.2	6.6	

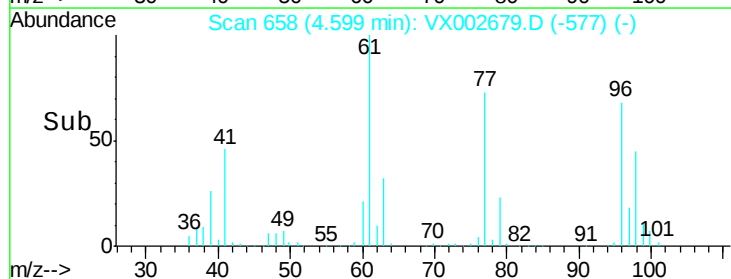
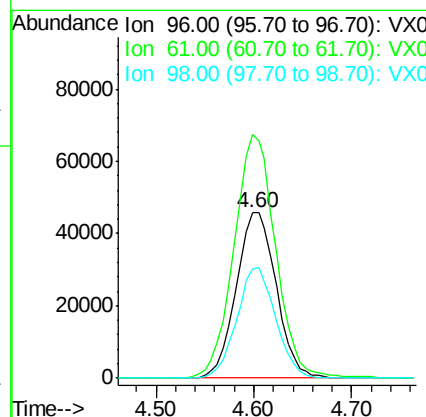
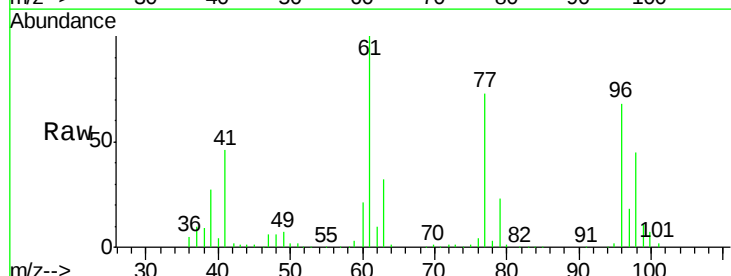
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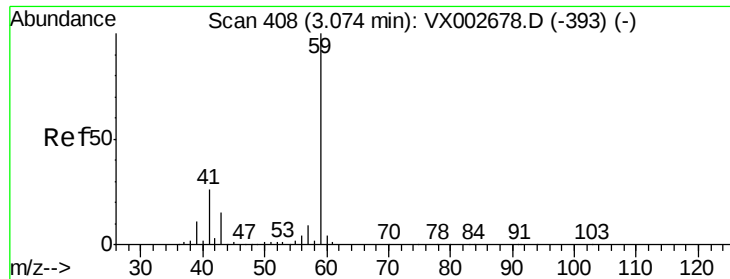
MMDadoda
 6/19/2018 1:05:29 PM



#22
 cis-1,2-Dichloroethene
 Concen: 46.25 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	129763		
61	153.1	160.2	240.2#	
98	65.0	54.1	81.1	





#23

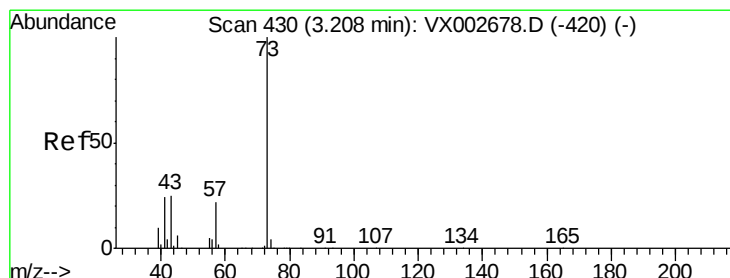
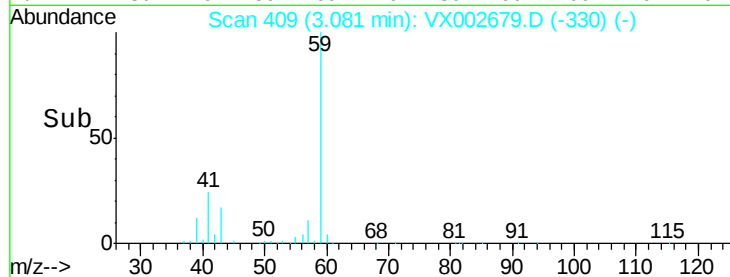
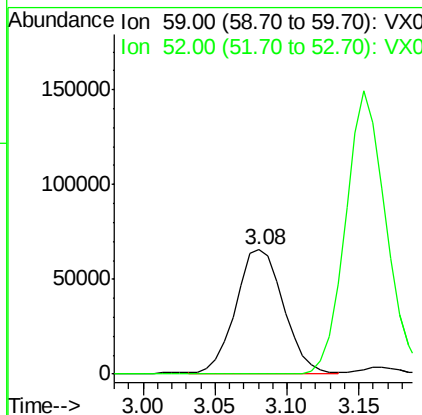
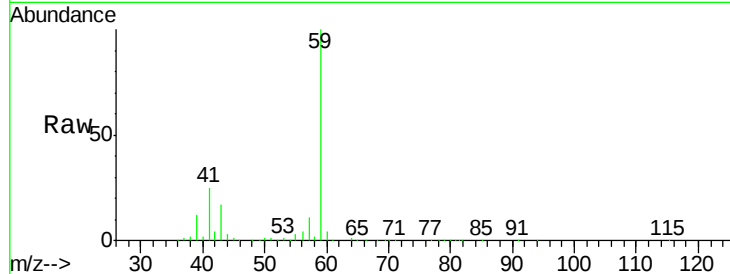
tert-Butyl Alcohol
 Concen: 198.37 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.02 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

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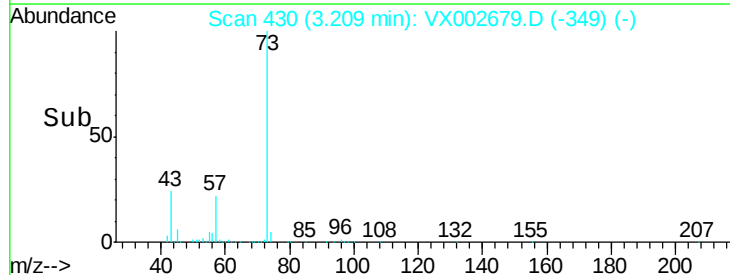
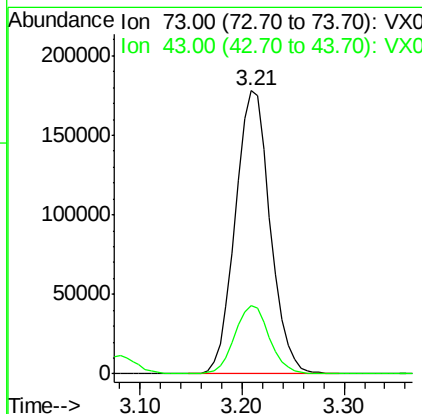
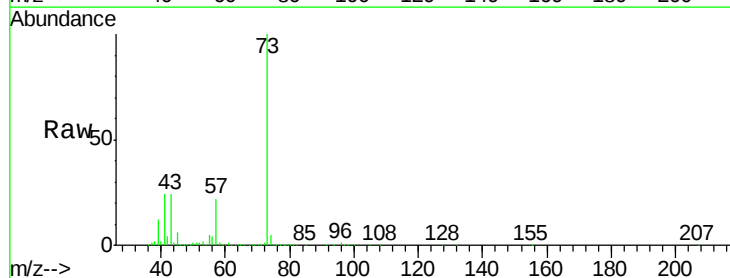
MMDadoda
 6/19/2018 1:05:29 PM

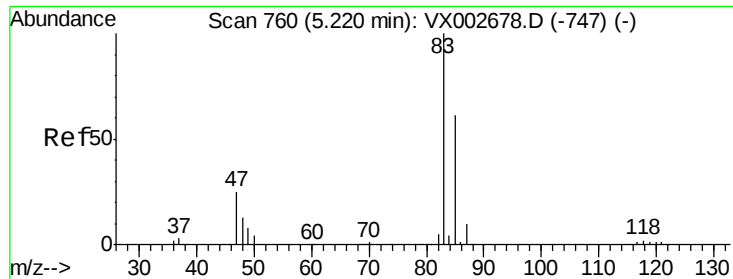


#24

Methyl tert-Butyl Ether
 Concen: 48.61 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. -0.01 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.9	19.0	28.4





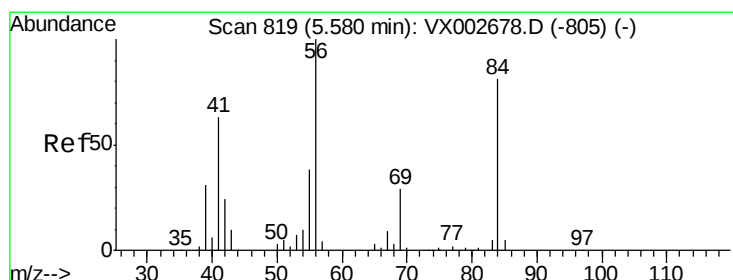
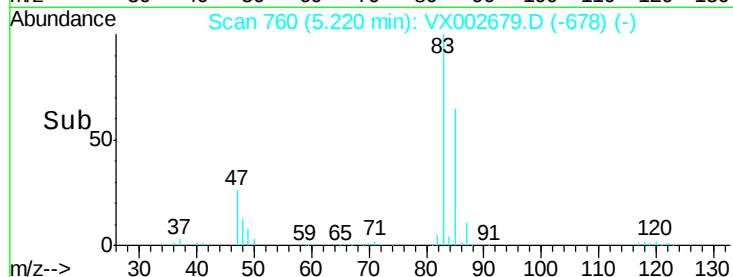
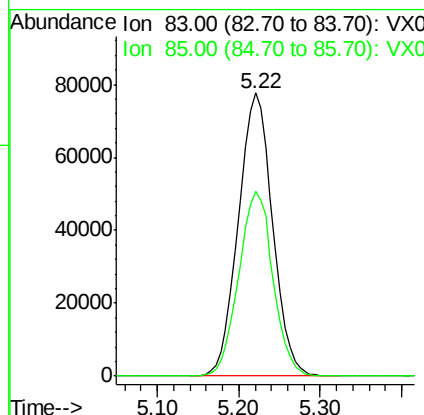
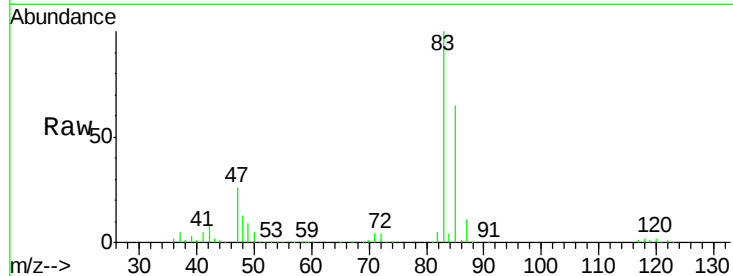
#25
Chloroform
Concen: 46.03 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	225961
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.9	77.9

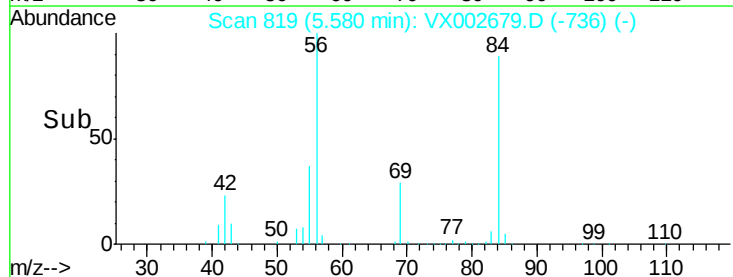
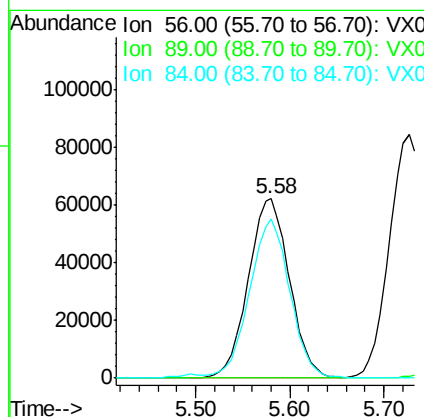
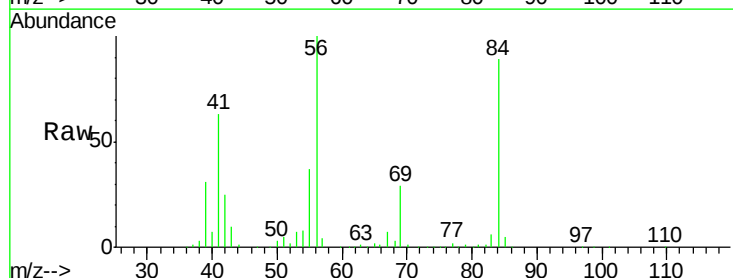
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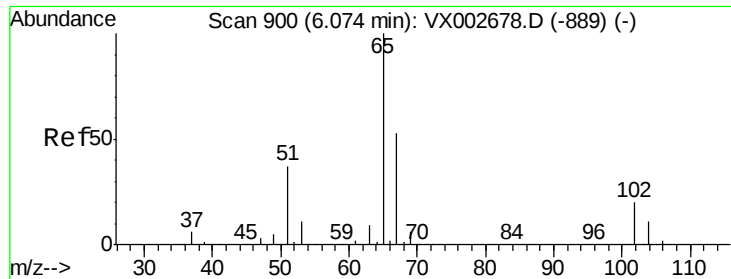
MMDadoda
6/19/2018 1:05:29 PM



#26
Cyclohexane
Concen: 44.19 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	56	Resp	189869
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.1	0.1#
84	87.0	64.9	97.3





#27

1,2-Dichloroethane-d4

Concen: 28.57 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Tot Ion: 65 Resp: 100578

Ion Ratio Lower Upper

65 100

67 53.0 40.9 61.3

Instrument :

MSVOA_X

ClientSampleId :

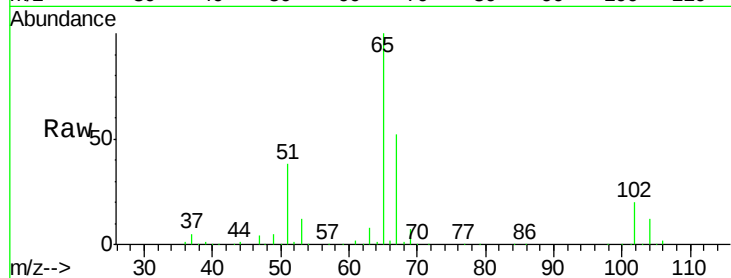
VSTDIC050

Manual Integrations

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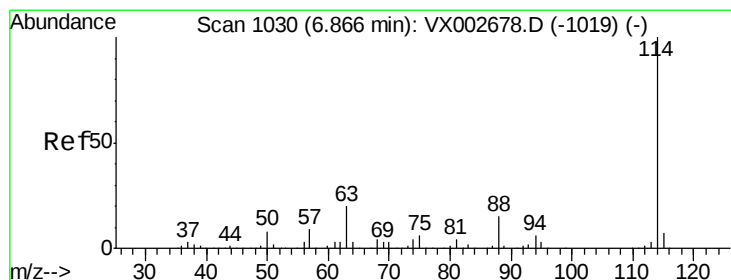
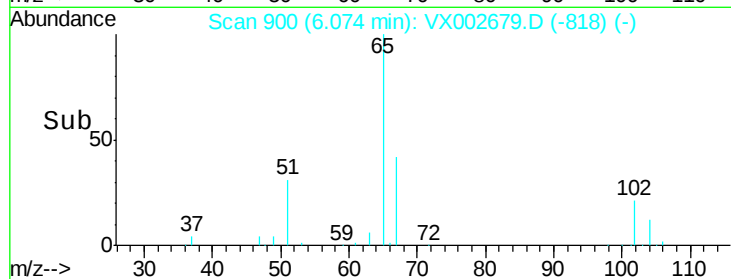
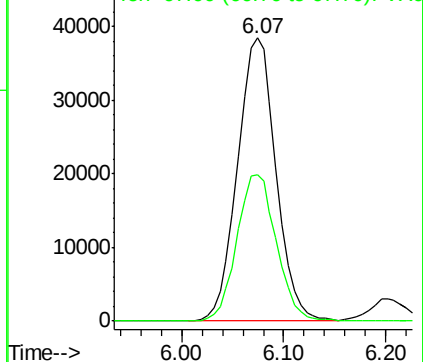
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

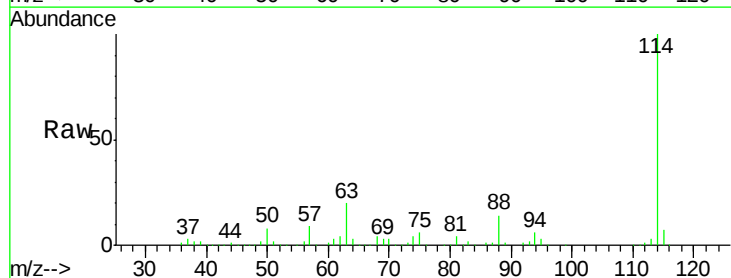
Tgt Ion: 114 Resp: 244694

Ion Ratio Lower Upper

114 100

63 20.3 17.1 25.7

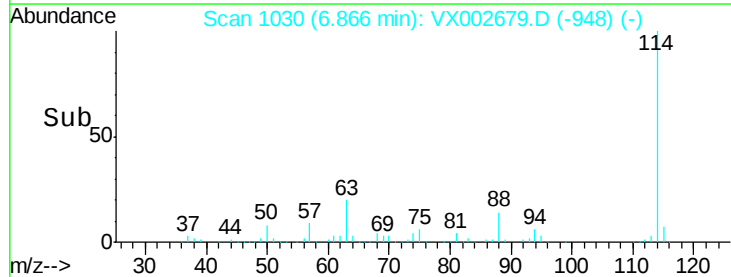
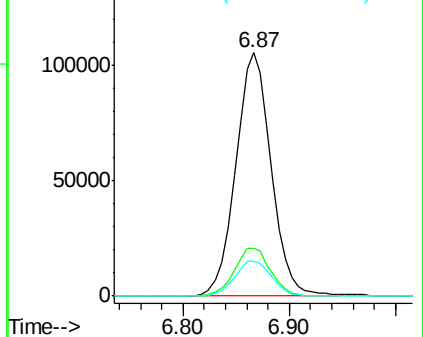
88 15.1 12.6 19.0

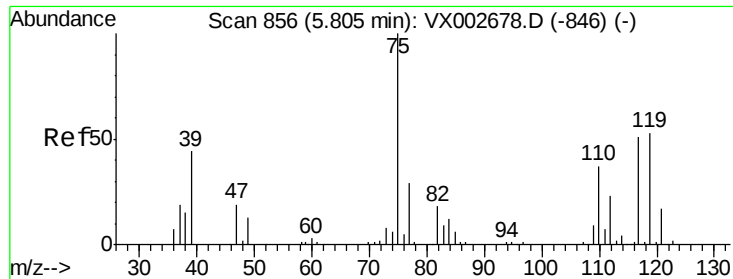


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





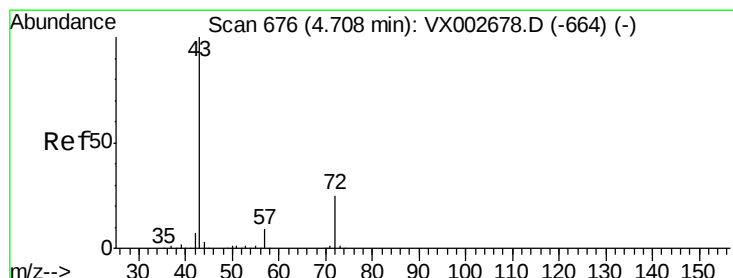
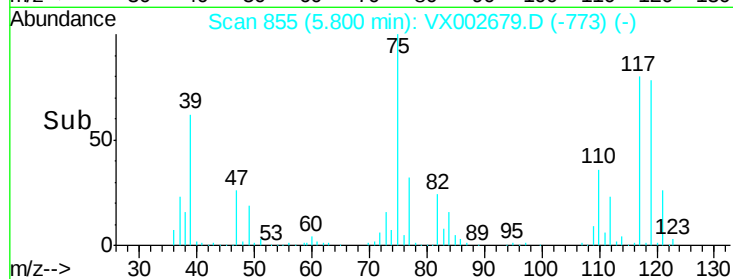
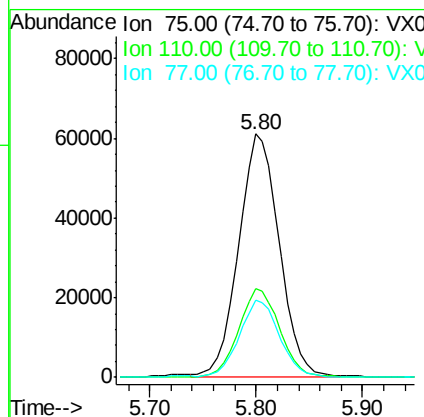
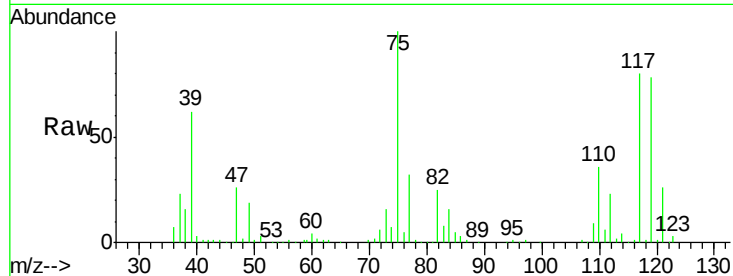
#29
 1,1-Dichloropropene
 Concen: 47.66 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.9	0.0	71.4
77	31.6	0.0	60.6

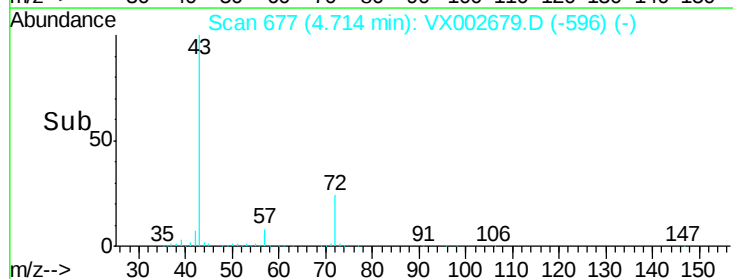
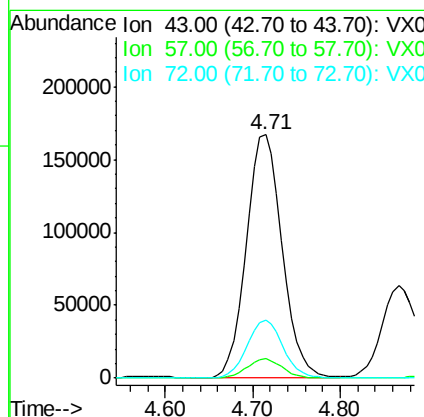
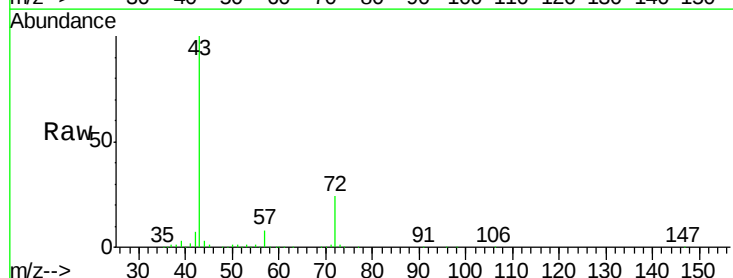
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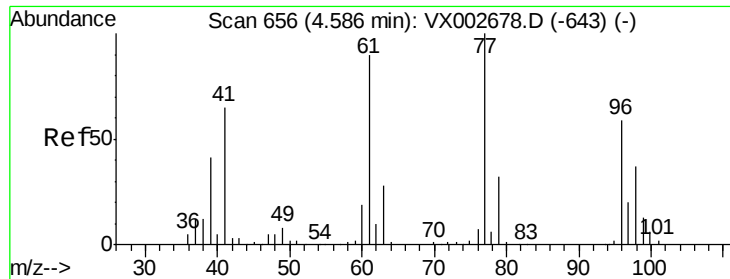
MMDadoda
 6/19/2018 1:05:29 PM



#30
 2-Butanone
 Concen: 199.04 ug/l
 RT: 4.71 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.1	9.1
72	23.9	18.1	27.1





#31

2,2-Dichloropropane

Concen: 58.82 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 176970

Ion Ratio Lower Upper

77 100

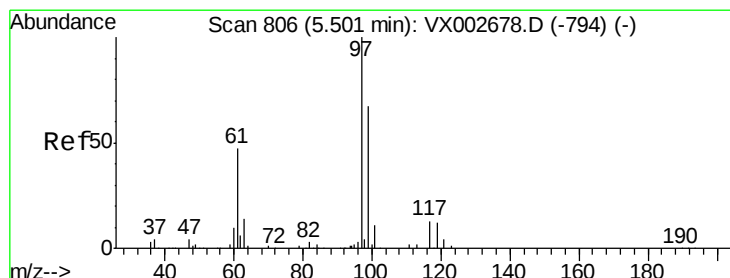
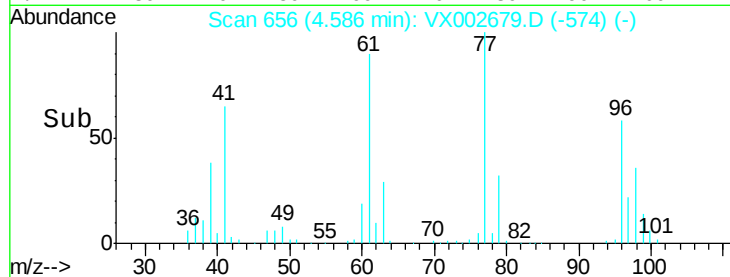
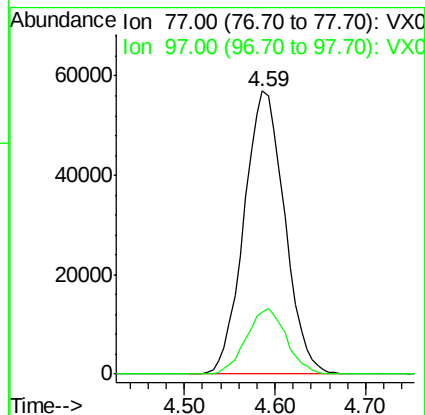
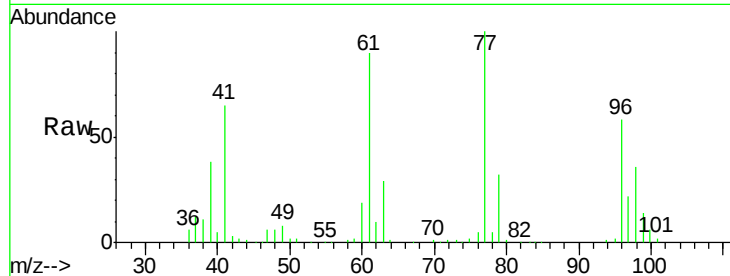
97 22.9 18.7 28.1

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#32

1,1,1-Trichloroethane

Concen: 44.61 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

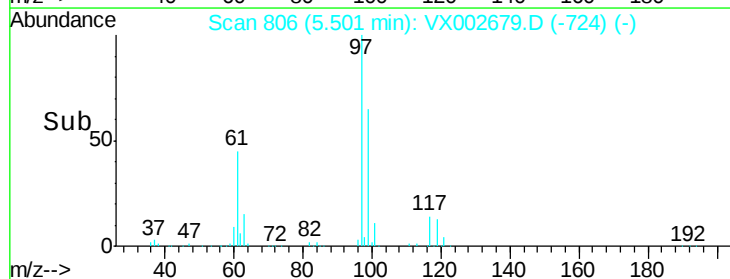
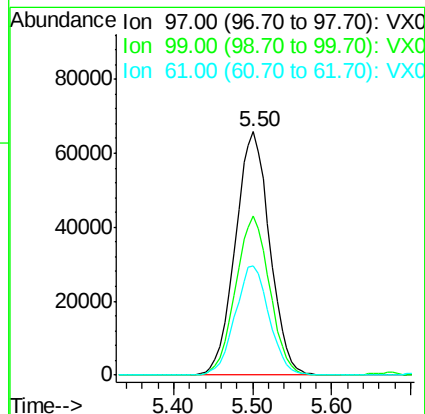
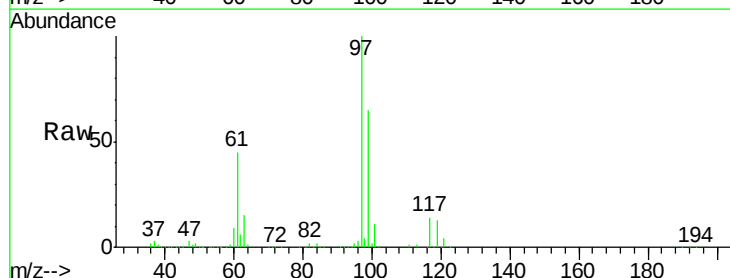
Tgt Ion: 97 Resp: 199468

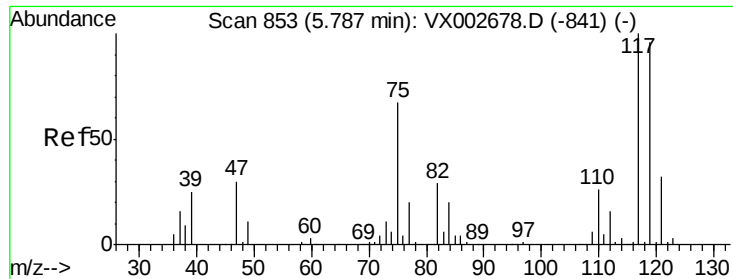
Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

61 44.7 36.4 54.6





#33

Carbon Tetrachloride

Concen: 43.93 ug/l

RT: 5.79 min Scan# 853

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

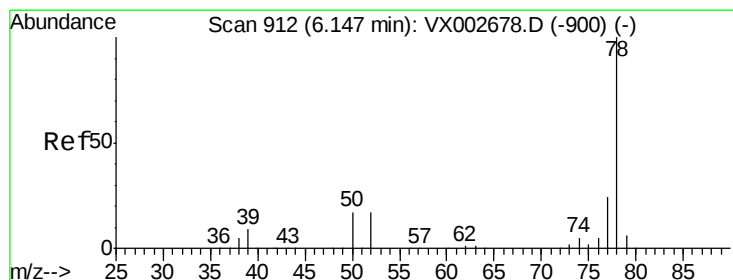
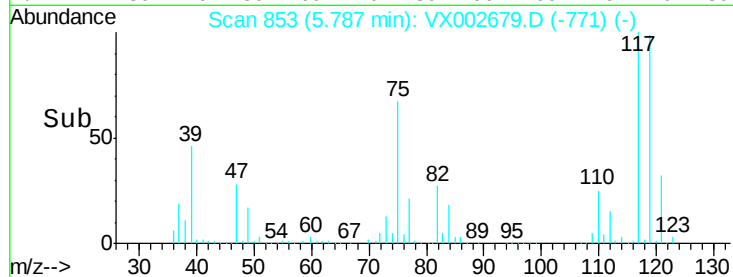
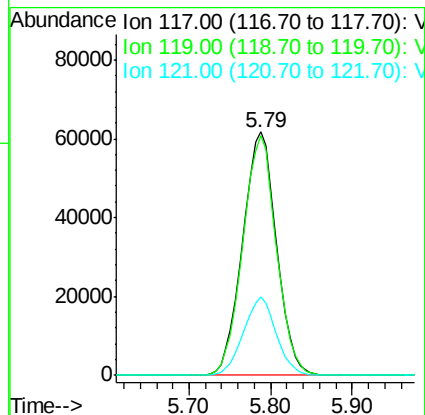
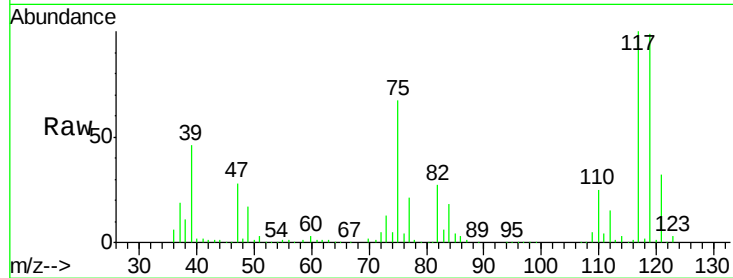
ClientSampled :

VSTDIC050

Tot Ion:	117	Resp:	178479
Ion Ratio	Lower	Upper	
117	100		
119	98.7	73.3	109.9
121	32.4	23.6	35.4

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#34

Benzene

Concen: 46.80 ug/l

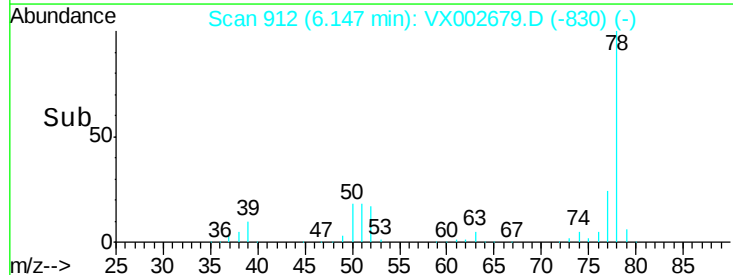
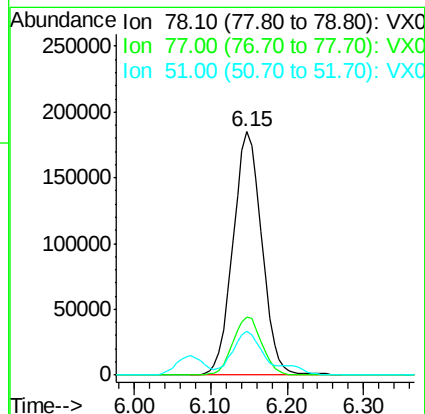
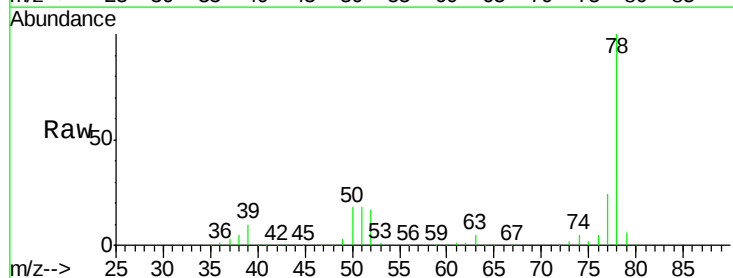
RT: 6.15 min Scan# 912

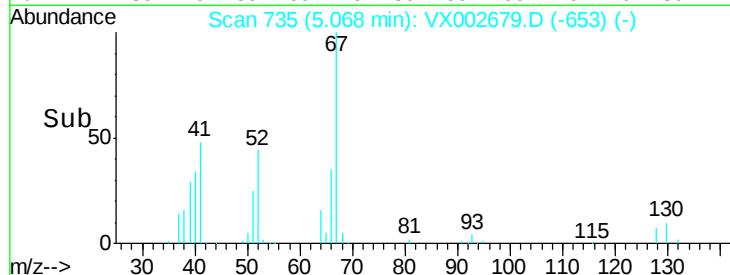
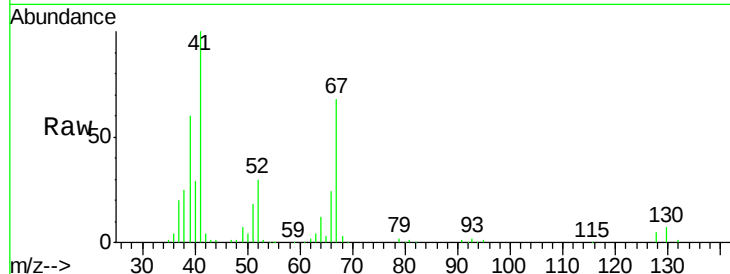
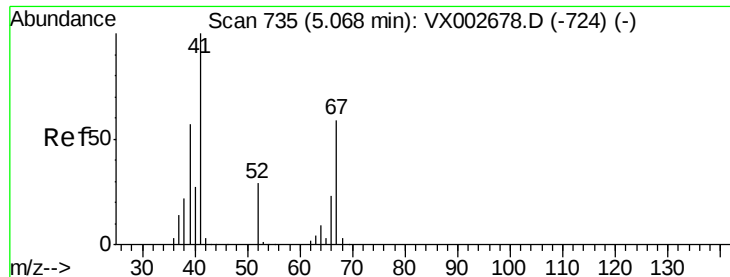
Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Tgt Ion:	78	Resp:	483761
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.4	29.0
51	17.7	13.8	20.6





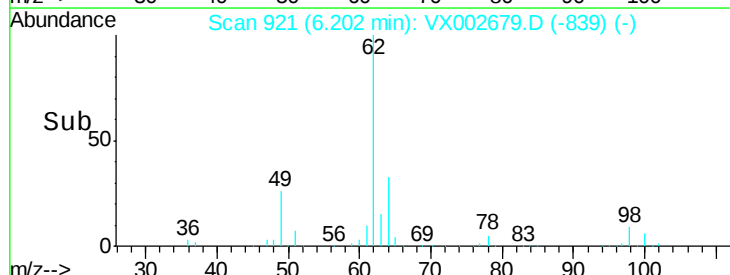
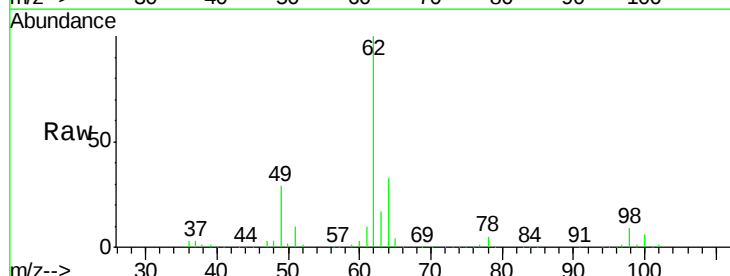
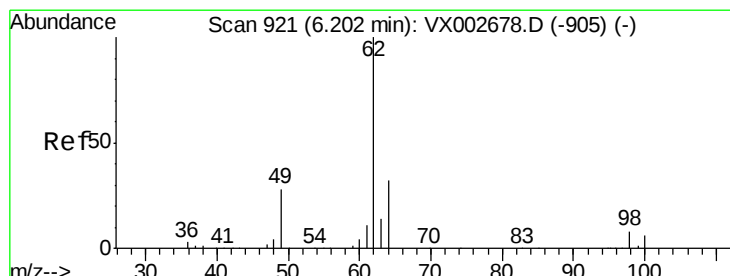
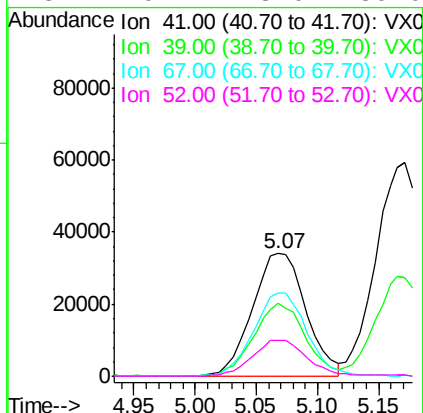
#35
Methacrylonitrile
Concen: 38.94 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	59.5	28.8	86.5		
67	67.8	30.4	91.2		
52	29.4	13.0	39.0		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

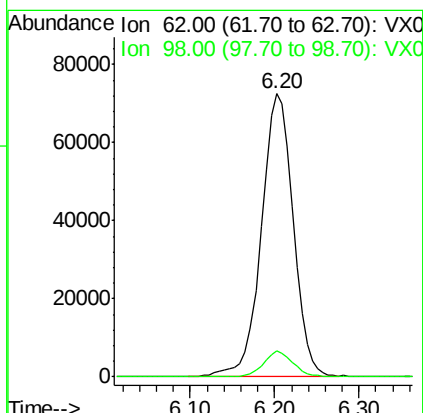
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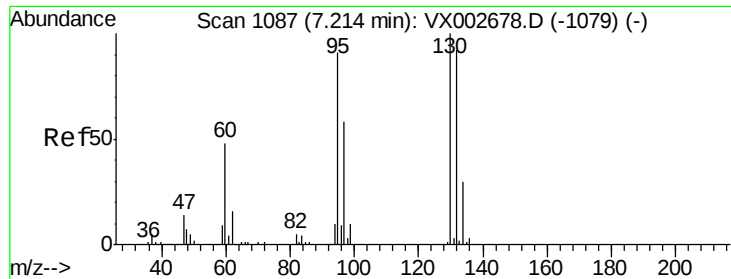
MMDadoda
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#36
1,2-Dichloroethane
Concen: 47.16 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.5	6.5	9.7		





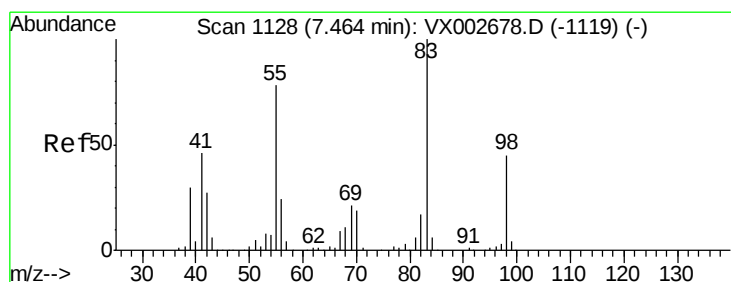
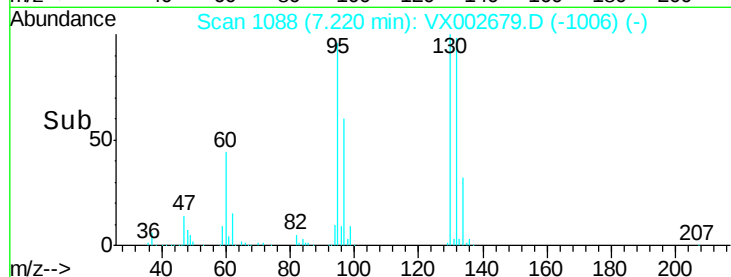
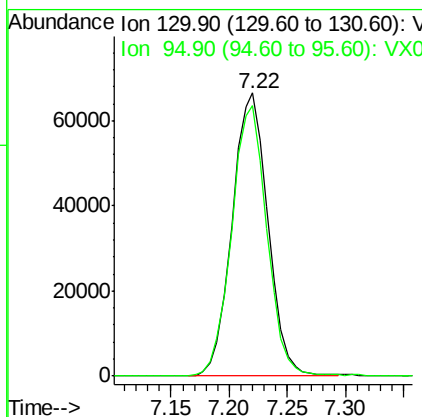
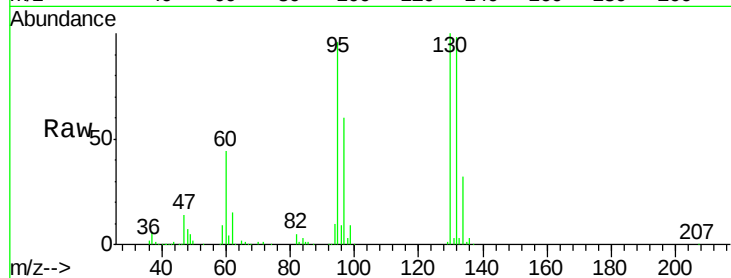
#37
 Trichloroethene
 Concen: 48.26 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 141520
 Ion Ratio Lower Upper
 130 100
 95 95.7 81.5 122.3

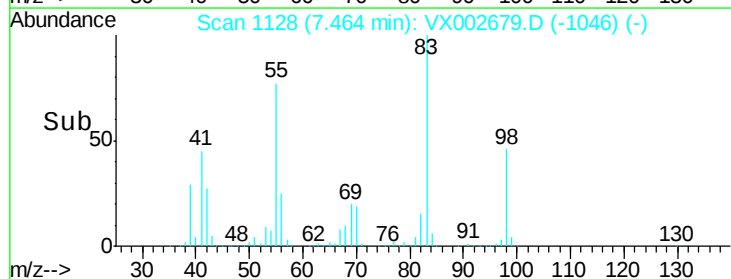
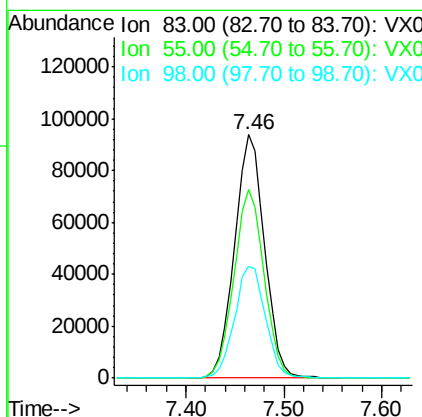
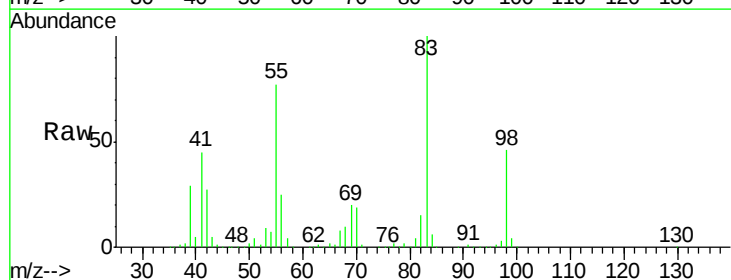
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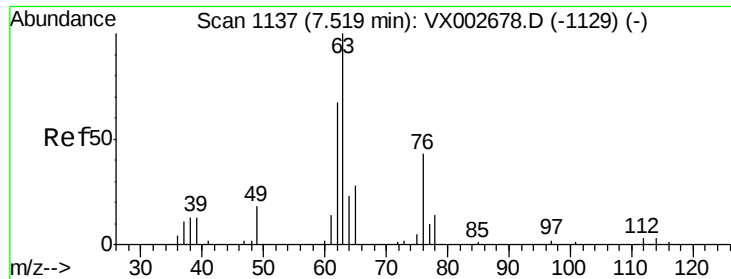
MMDadoda
 6/19/2018 1:05:29 PM



#38
 Methylcyclohexane
 Concen: 50.02 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion: 83 Resp: 199816
 Ion Ratio Lower Upper
 83 100
 55 77.9 40.6 121.8
 98 47.6 23.5 70.5





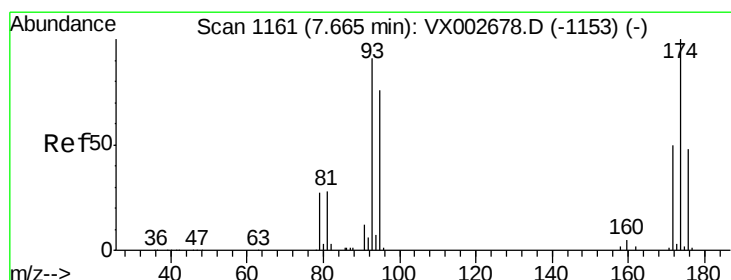
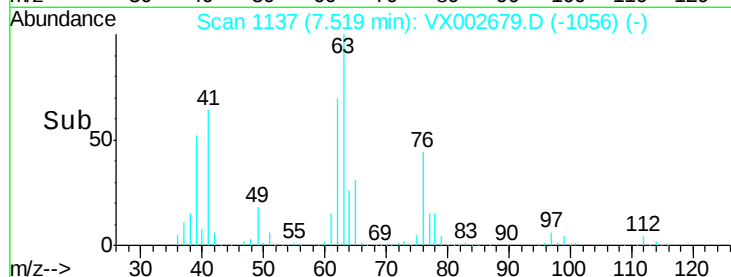
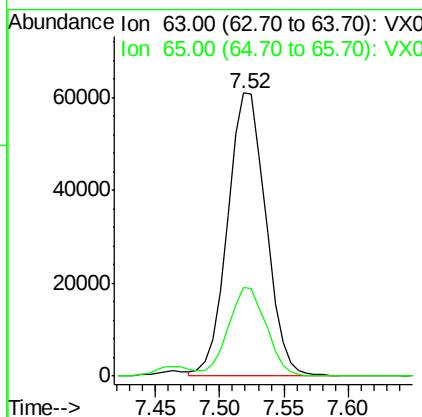
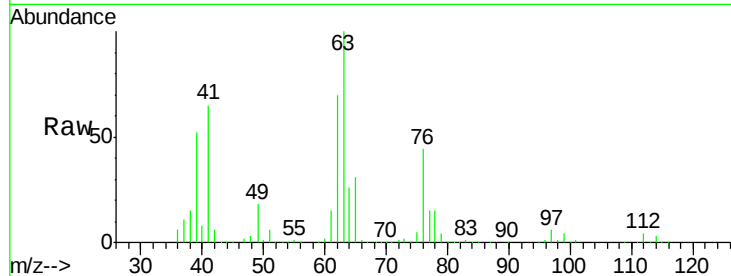
#39
 1,2-Dichloropropane
 Concen: 45.24 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 126464
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.3 34.9

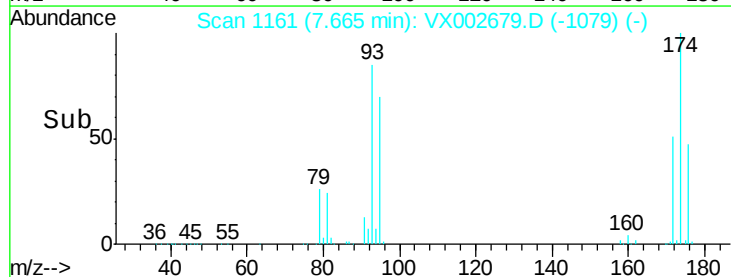
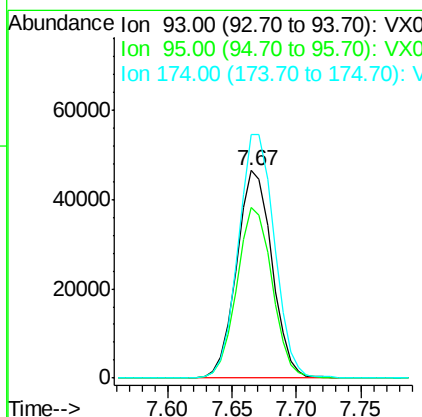
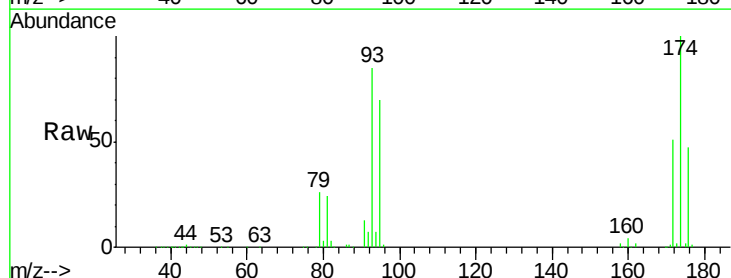
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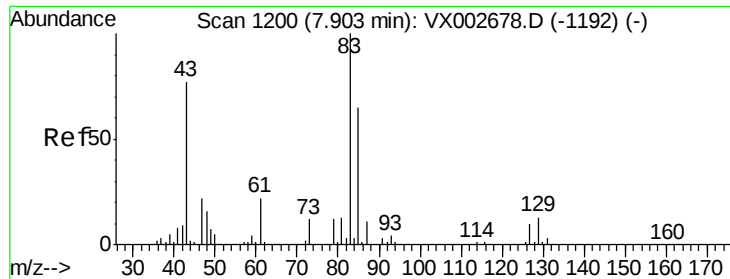
MMDadoda
 6/19/2018 1:05:29 PM



#40
 Dibromomethane
 Concen: 47.29 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion: 93 Resp: 88689
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 162.6
 174 119.6 0.0 229.4





#41

Bromodichloromethane

Concen: 42.99 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

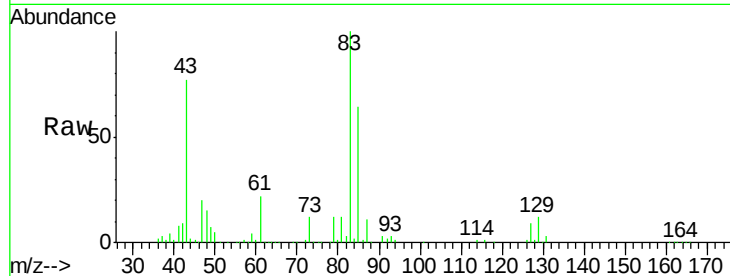
ClientSampleId :

VSTDIC050

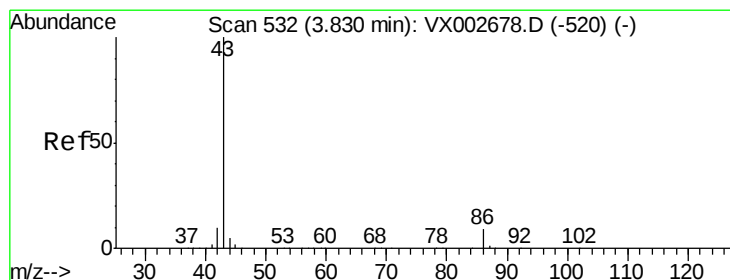
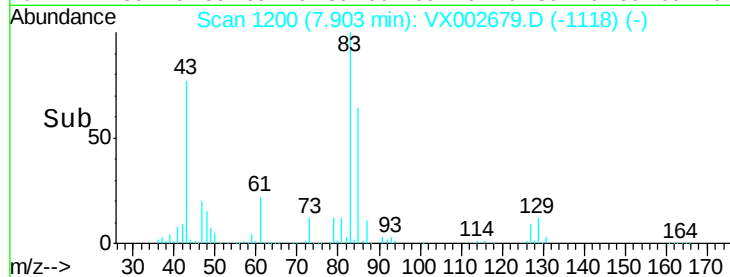
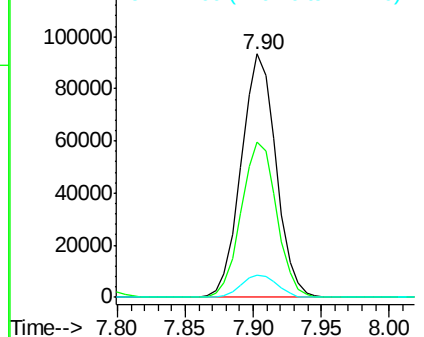
Tot Ion:	83	Resp:	167246
Ion Ratio	Lower	Upper	
83	100		
85	63.5	49.8	74.8
127	9.2	7.3	10.9

Manual Integrations
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6/19/2018 1:05:29 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 231.81 ug/l

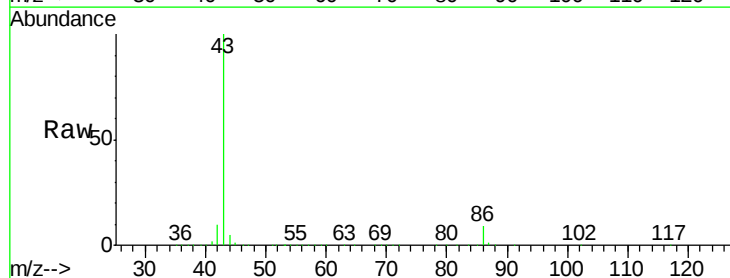
RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

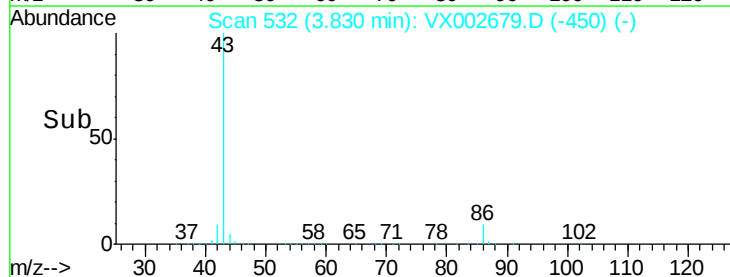
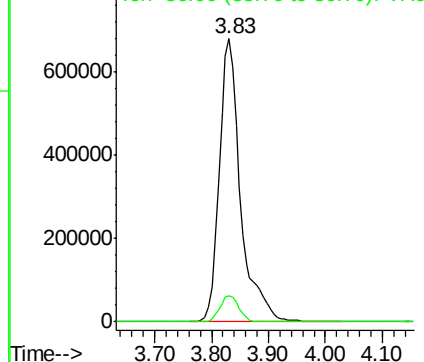
Lab File: VX002679.D

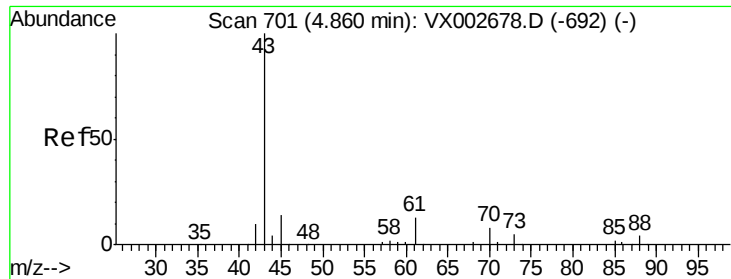
Acq: 18 Jun 2018 13:36

Tgt Ion:	43	Resp:	1751259
Ion Ratio	Lower	Upper	
43	100		
86	8.4	6.7	10.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





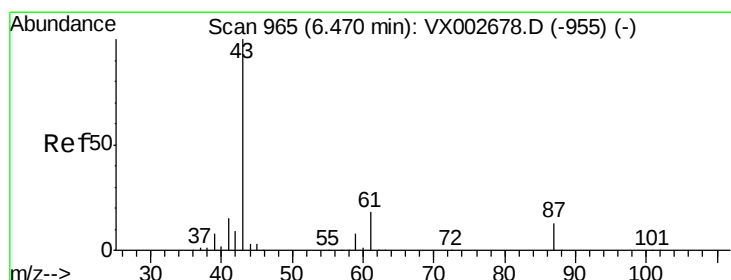
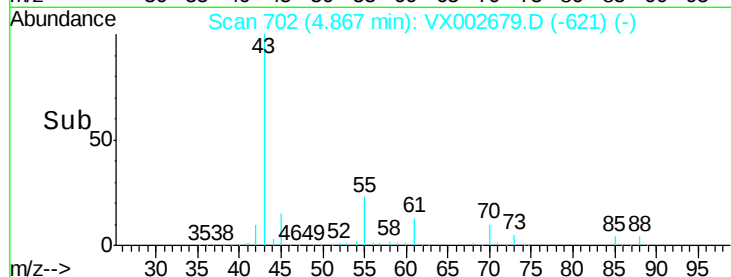
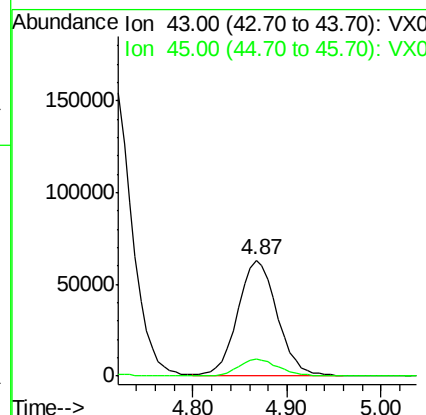
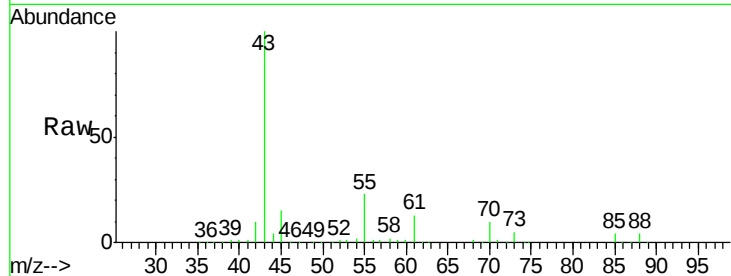
#43
Ethyl Acetate
Concen: 39.37 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.4	11.0	16.4

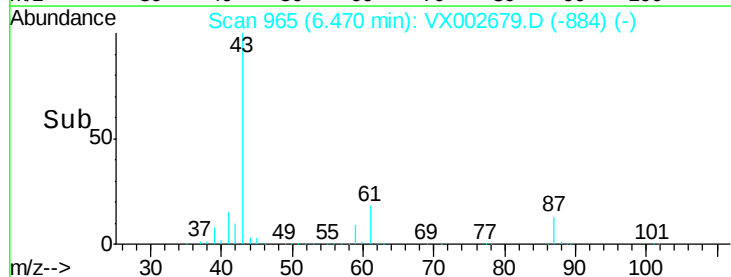
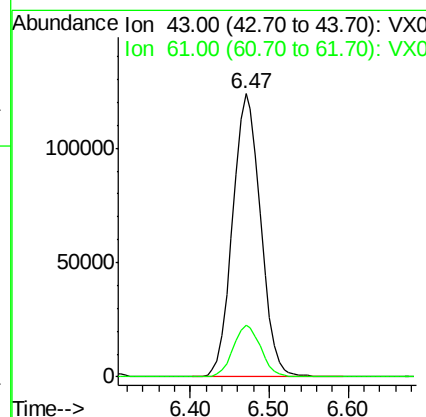
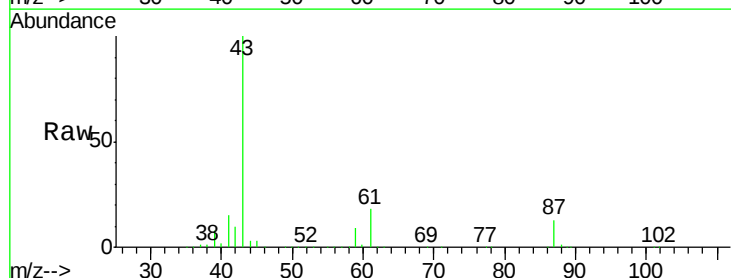
Manual Integrations
APPROVED

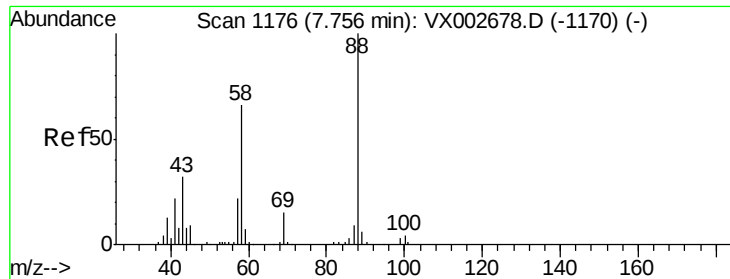
MMDadoda
6/19/2018 1:05:29 PM



#44
Isopropyl Acetate
Concen: 39.18 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7





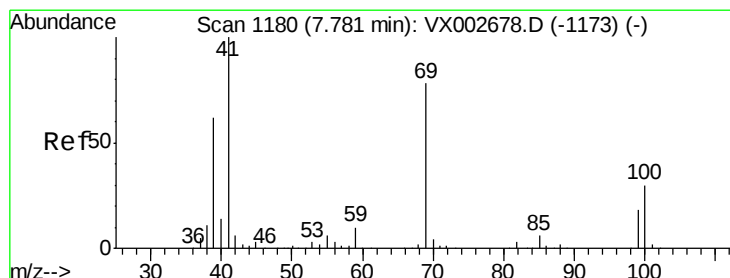
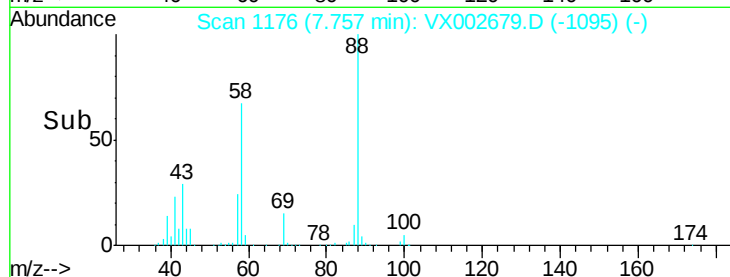
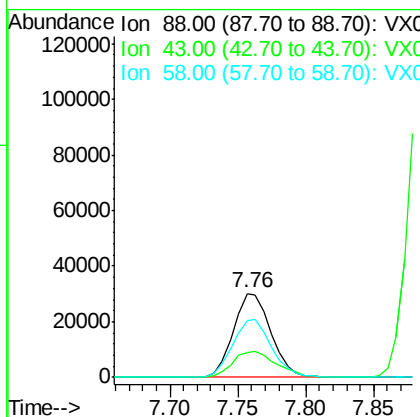
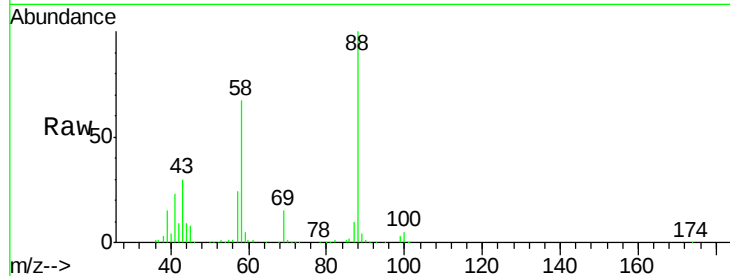
#45
1,4-Dioxane
Concen: 784.40 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	43.2	64.8#
58	71.5	60.2	90.2

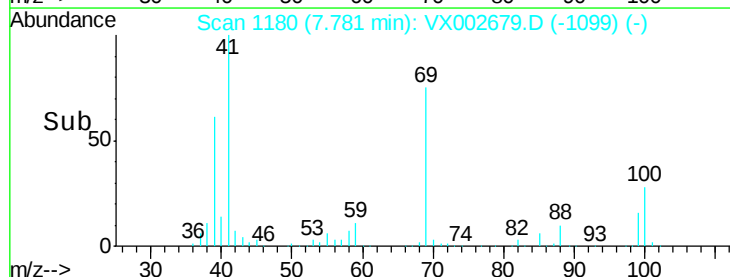
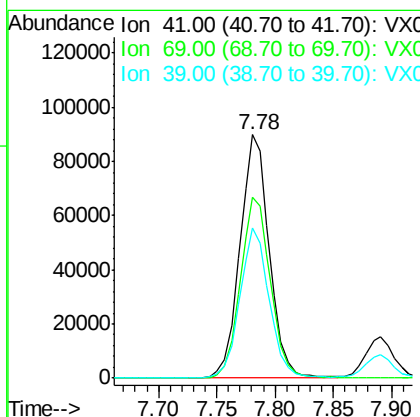
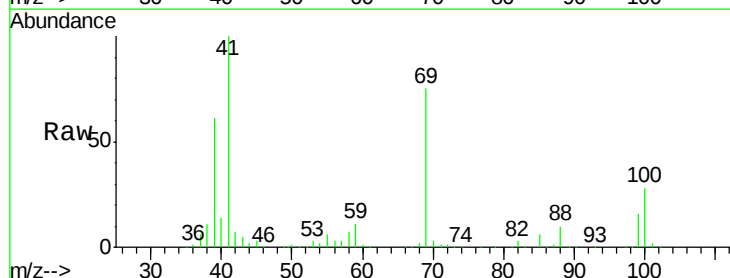
Manual Integrations
APPROVED

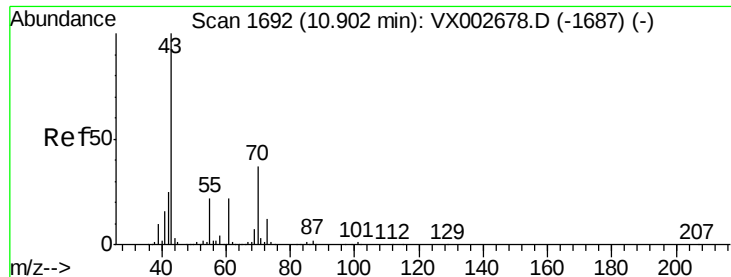
MMDadoda
6/19/2018 1:05:29 PM



#46
Methyl methacrylate
Concen: 39.80 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.6	37.0	110.9
39	61.4	29.6	88.9





#47

n-amvl Acetate

Concen: 40.41 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 289789

Ion Ratio Lower Upper

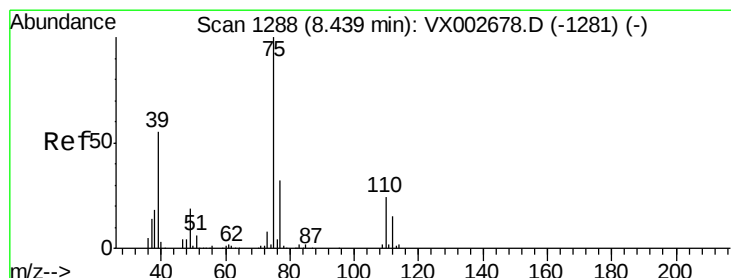
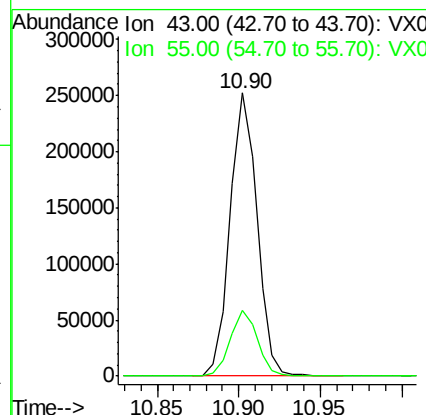
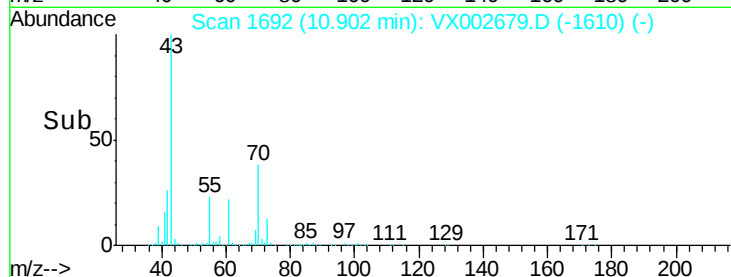
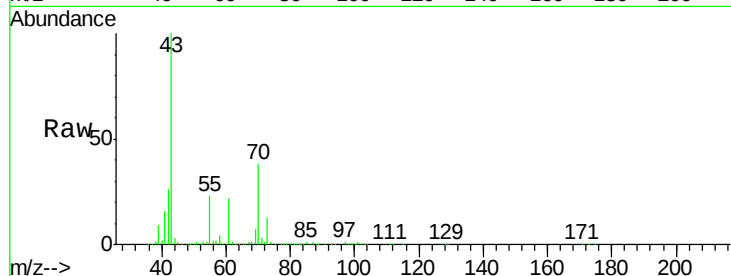
43 100

55 23.5 0.1 0.1#

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 44.97 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002679.D

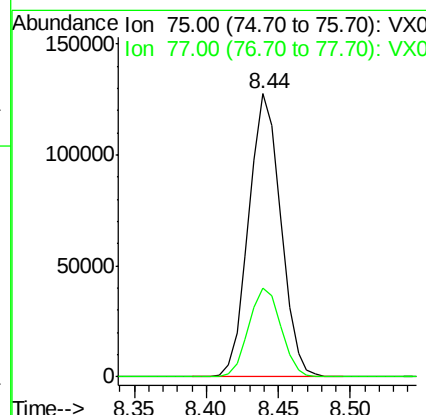
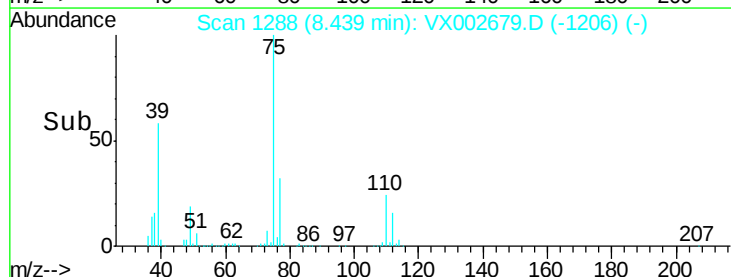
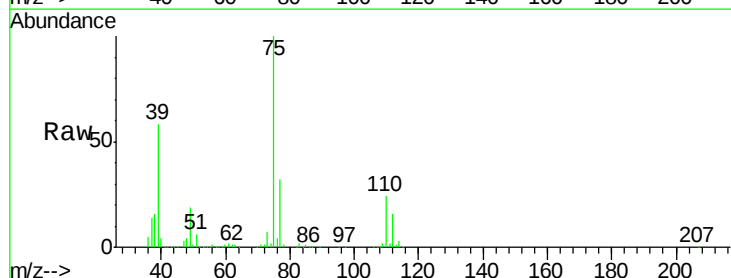
Acq: 18 Jun 2018 13:36

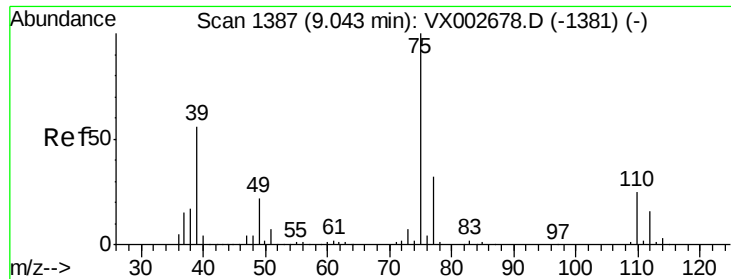
Tgt Ion: 75 Resp: 196592

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4





#49

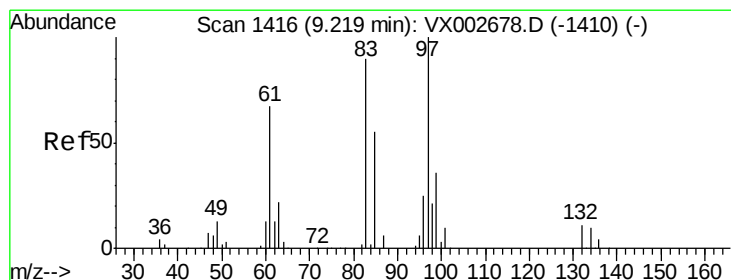
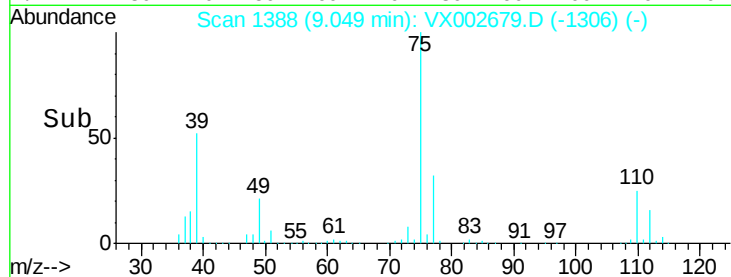
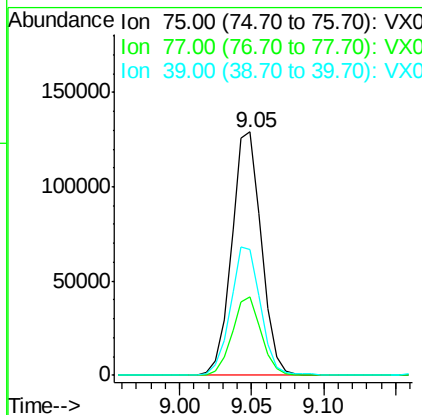
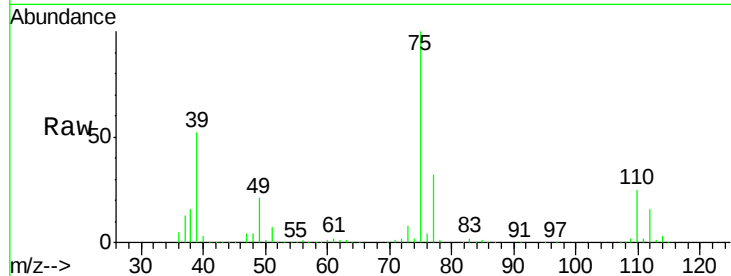
cis-1,3-Dichloropropene
Concen: 43.89 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.2
39	51.5	42.3	63.5

Manual Integrations
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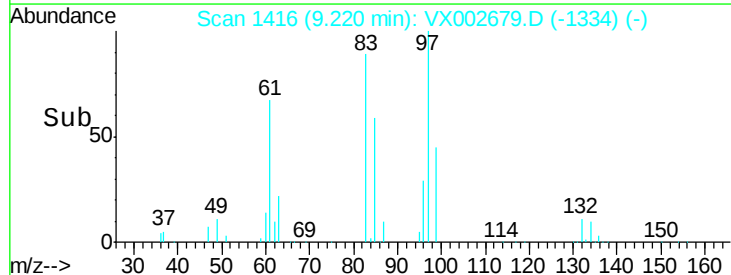
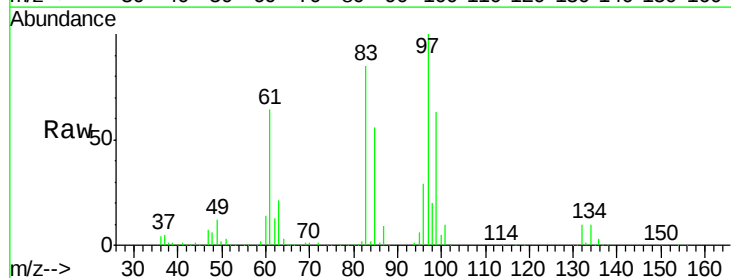
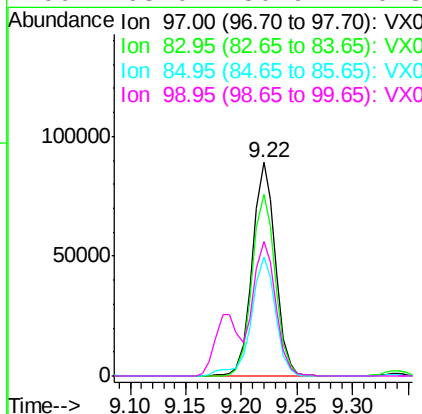
MMDadoda
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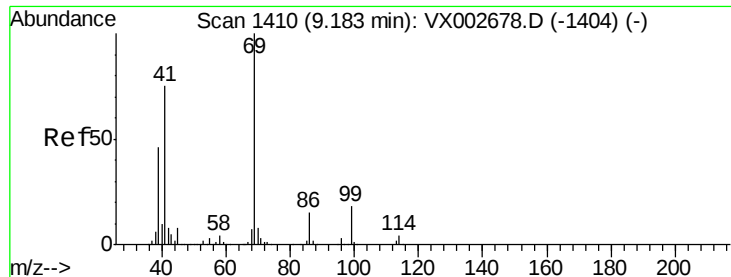


#50

1,1,2-Trichloroethane
Concen: 48.05 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	70.8	106.2
85	56.0	43.5	65.3
99	63.0	50.9	76.3





#51

Ethyl methacrylate

Concen: 42.79 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. -0.01 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

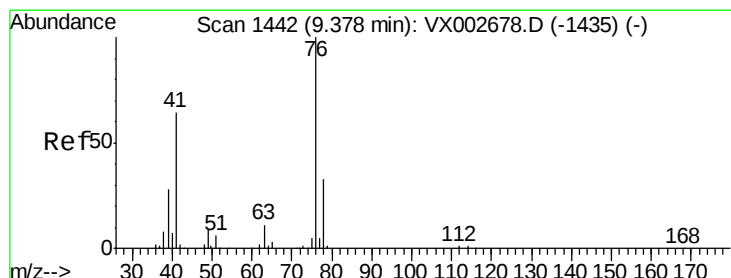
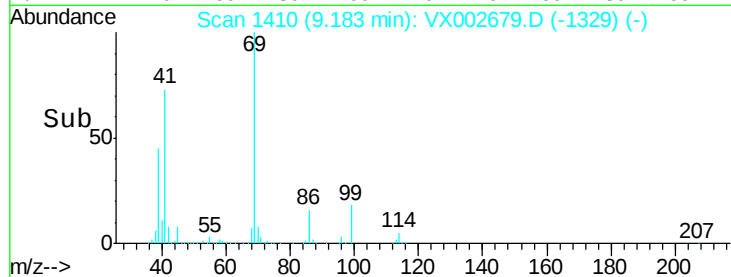
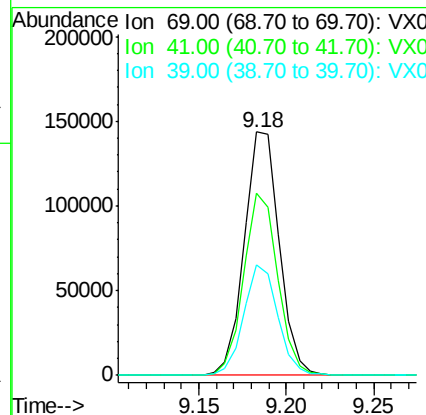
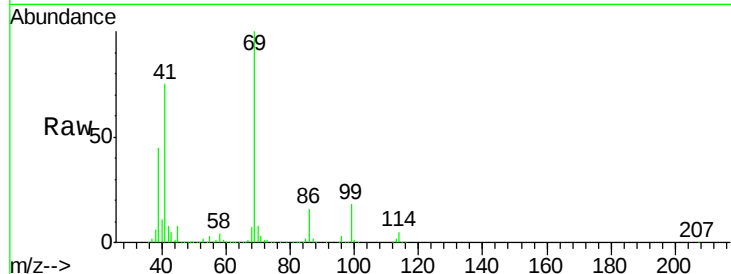
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	199576
Ion	Ratio	Lower	Upper
69	100		
41	74.5	39.1	117.3
39	45.3	21.7	65.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 47.16 ug/l

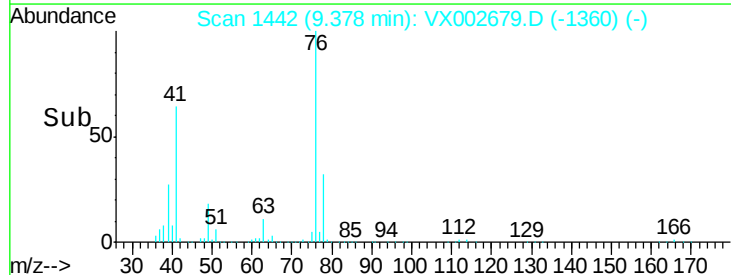
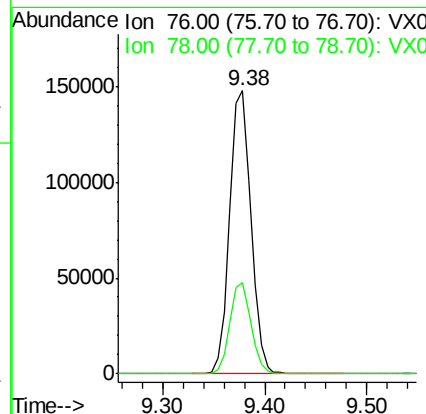
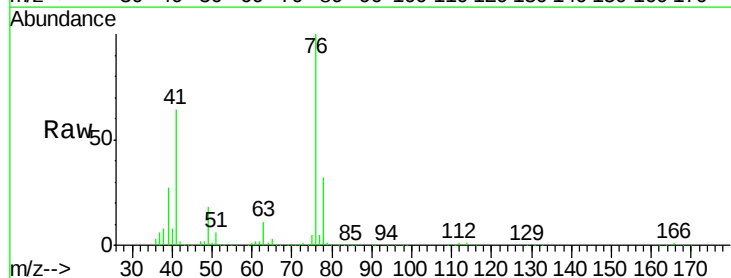
RT: 9.38 min Scan# 1442

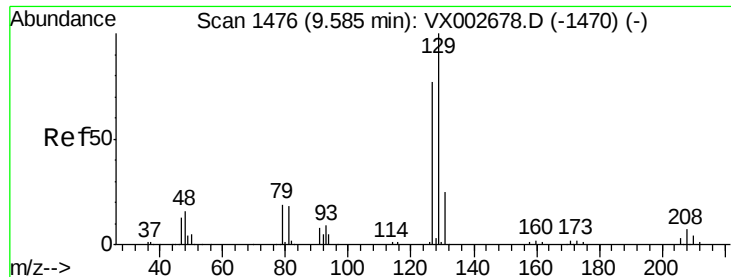
Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Tgt Ion:	76	Resp:	214190
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.4





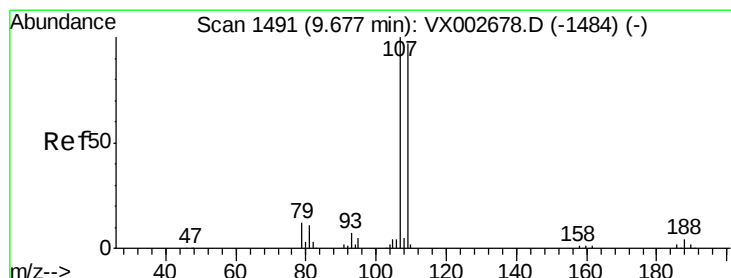
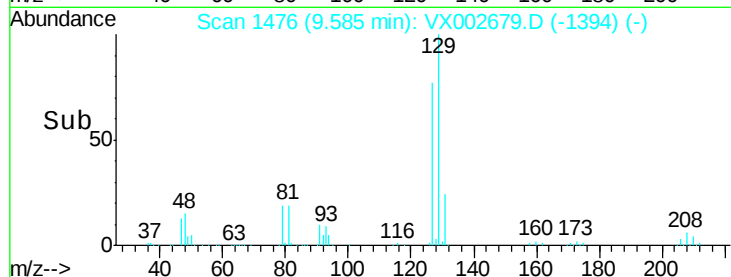
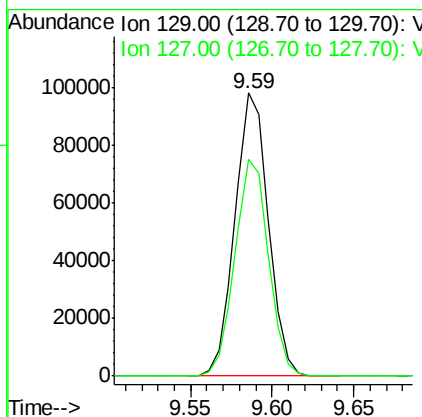
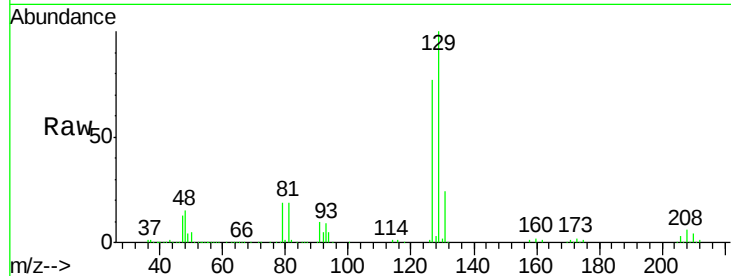
#53
 Dibromochloromethane
 Concen: 42.74 ug/l
 RT: 9.59 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.5	115.3

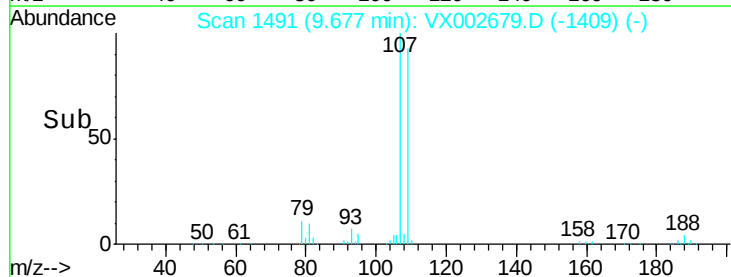
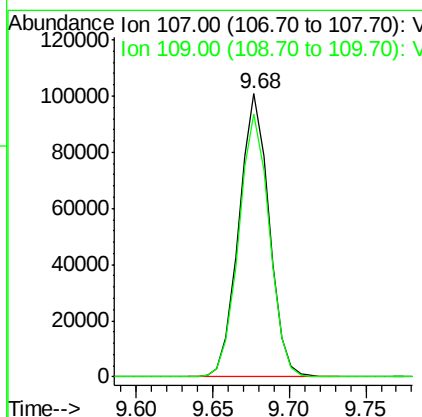
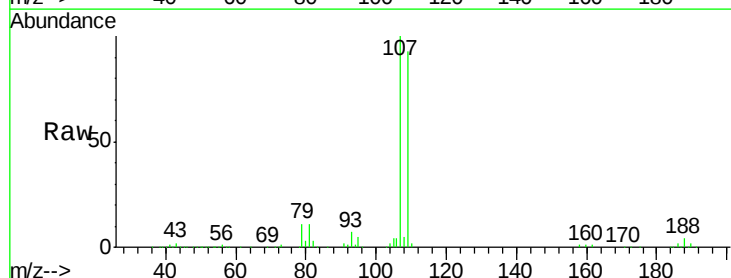
Manual Integrations
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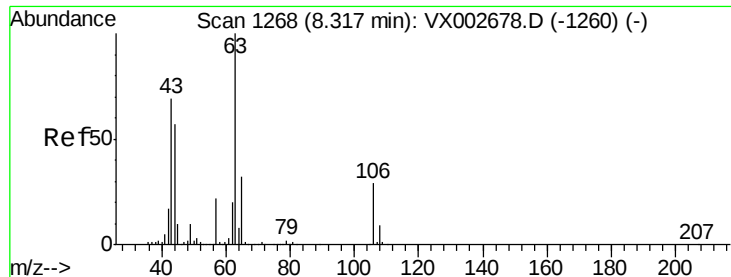
MMDadoda
 6/19/2018 1:05:29 PM



#54
 1,2-Dibromoethane
 Concen: 47.36 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.5	113.3





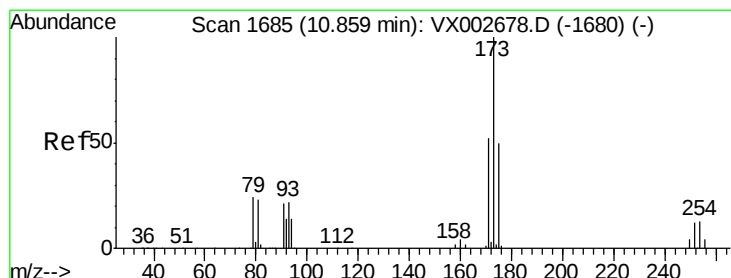
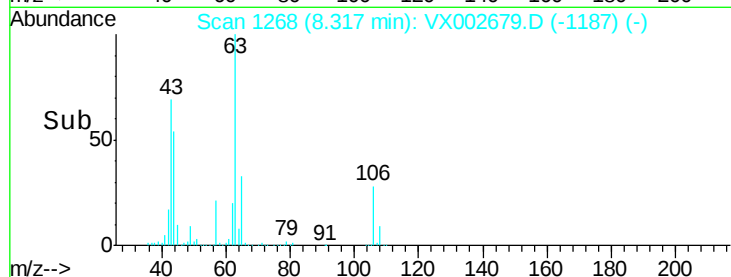
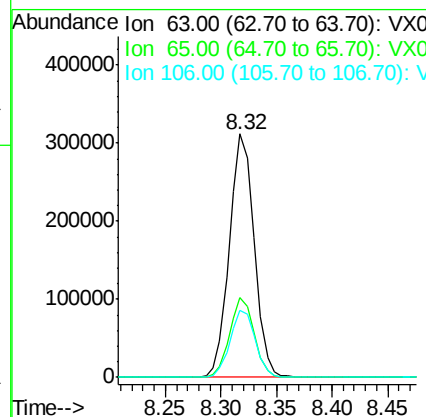
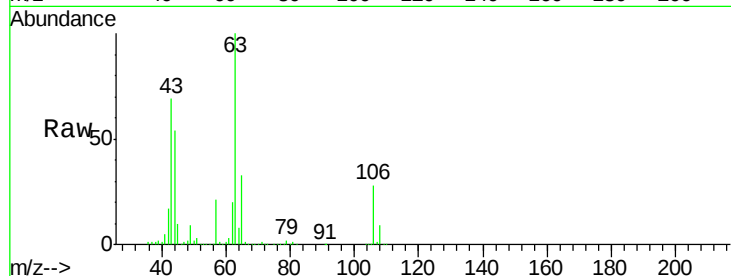
#55
 2-Chloroethyl vinyl ether
 Concen: 219.88 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.6	38.4
106	28.1	21.6	32.4

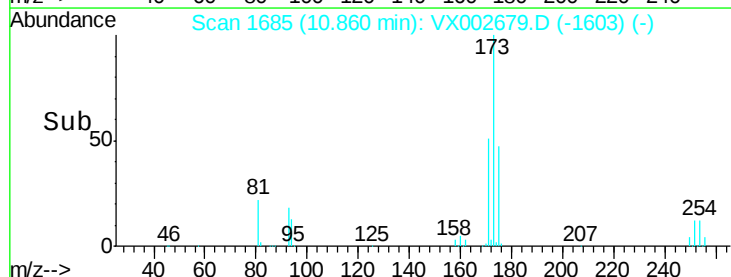
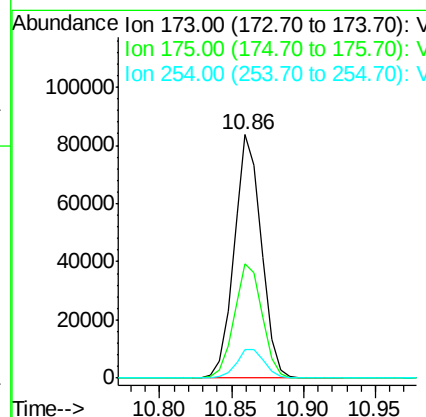
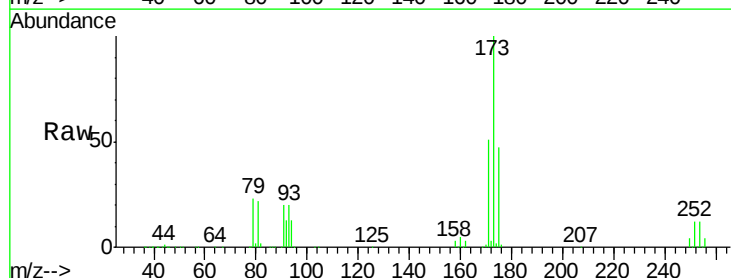
Manual Integrations
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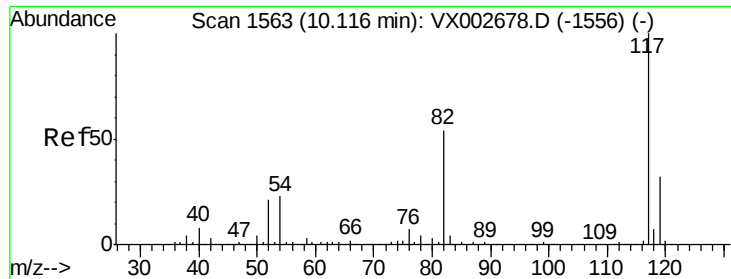
MMDadoda
 6/19/2018 1:05:29 PM



#56
 Bromoform
 Concen: 38.23 ug/l
 RT: 10.86 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	39.0	58.4
254	12.3	9.6	14.4





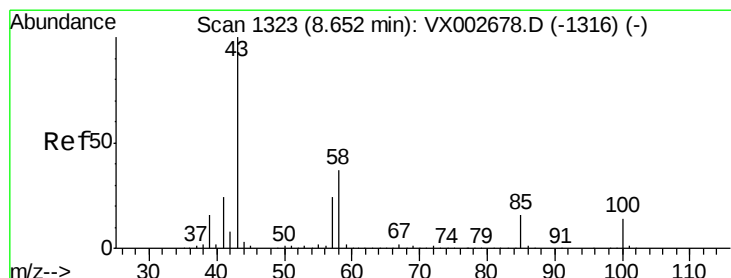
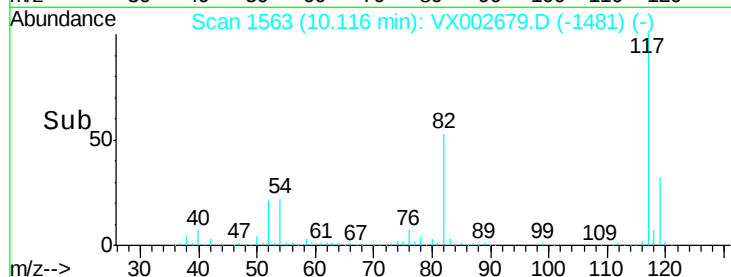
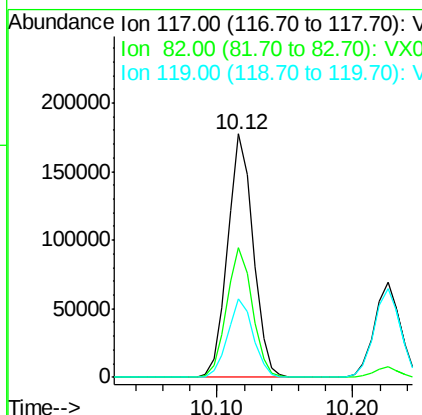
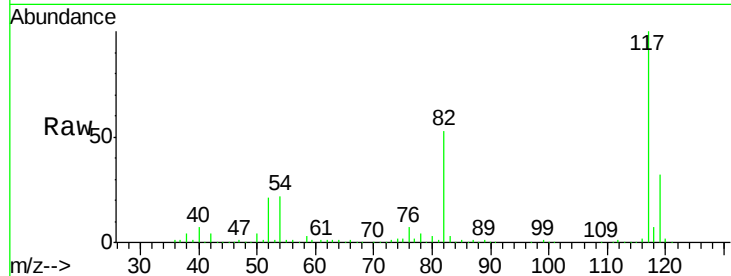
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	44.3	66.5
119	32.2	25.7	38.5

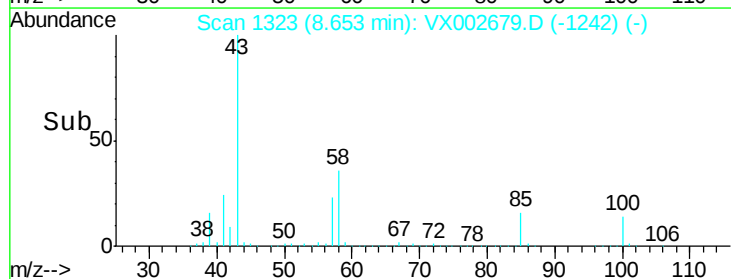
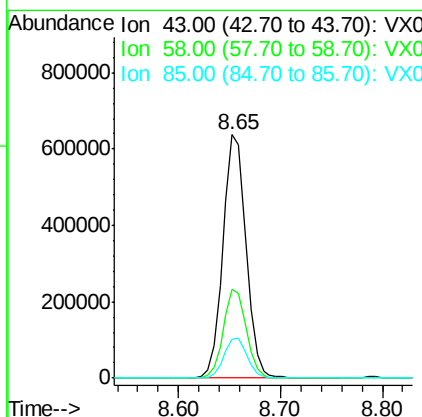
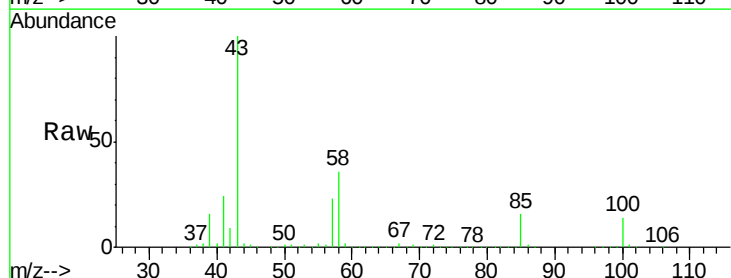
Manual Integrations
APPROVED

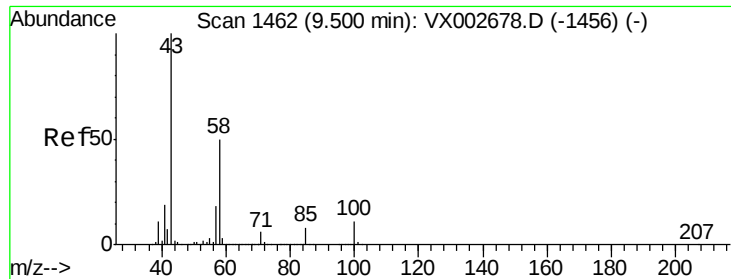
MMDadoda
6/19/2018 1:05:29 PM



#58
4-Methyl-2-Pentanone
Concen: 198.86 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.2	42.4
85	16.5	12.4	18.6





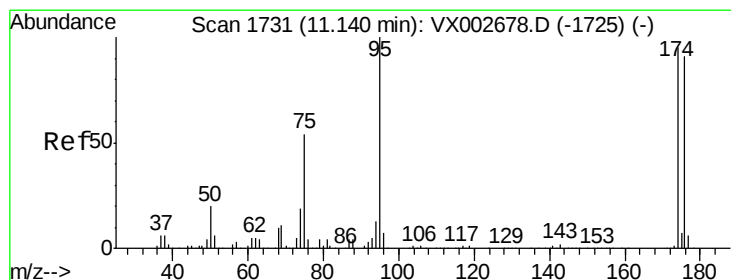
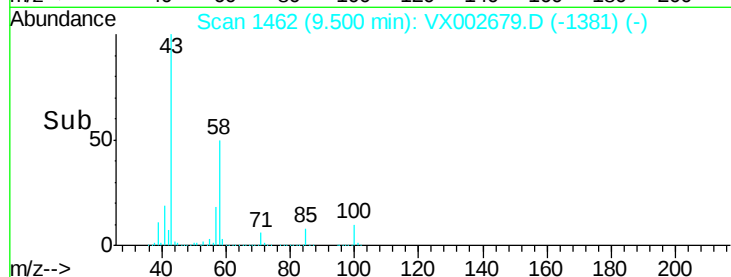
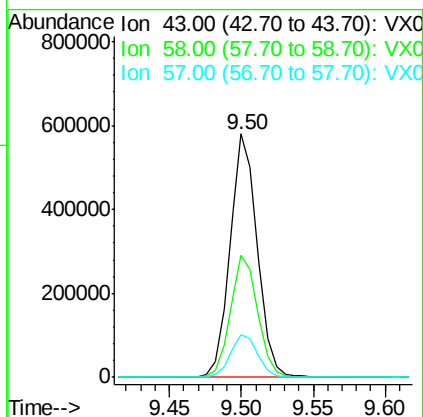
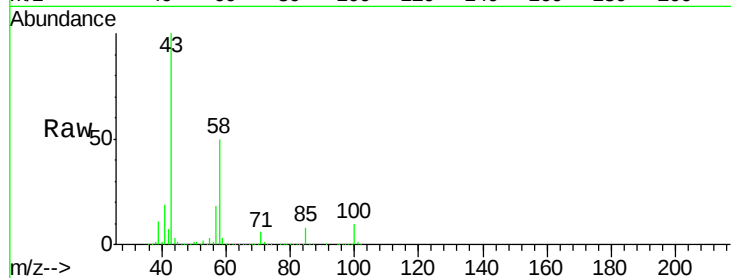
#59
2-Hexanone
Concen: 195.87 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	766165		
58	50.3		39.6	59.4
57	17.8		14.1	21.1

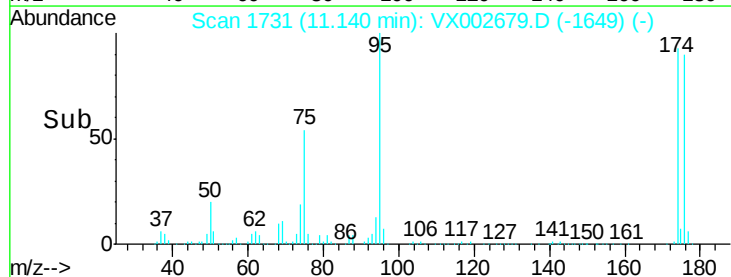
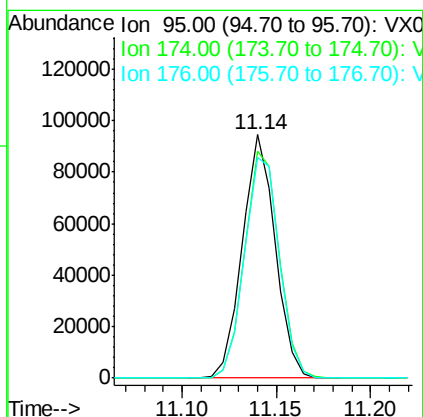
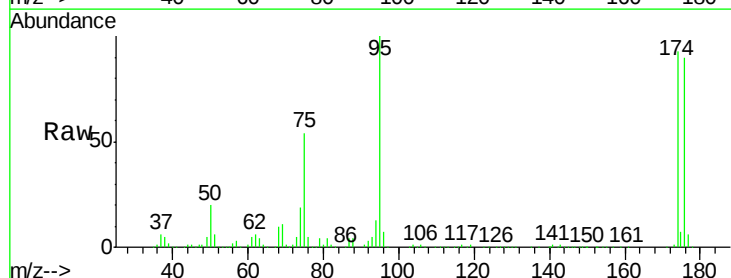
Manual Integrations
APPROVED

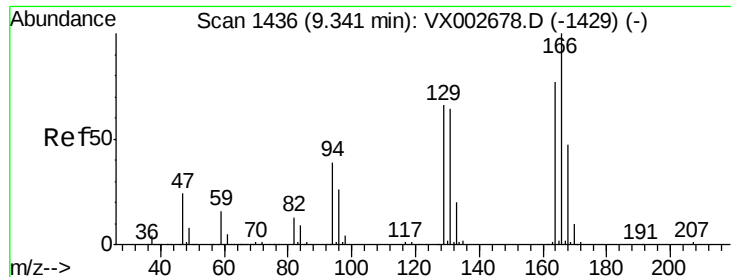
MMDadoda
6/19/2018 1:05:29 PM



#60
4-Bromofluorobenzene
Concen: 28.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	114504		
174	97.7		71.8	107.6
176	96.1		70.1	105.1





#61

Tetrachloroethene

Concen: 44.54 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 157372

Ion Ratio Lower Upper

164 100

166 128.9 102.4 153.6

129 84.8 70.1 105.1

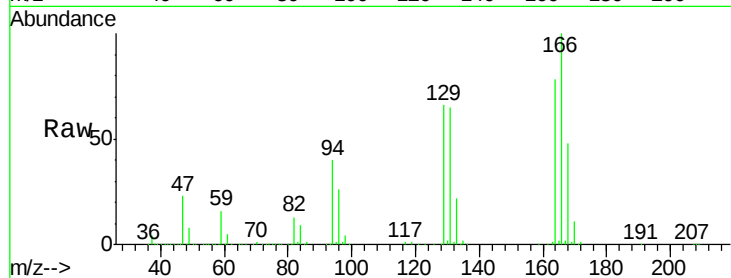
131 83.2 69.1 103.7

Manual Integrations

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MMDadoda

6/19/2018 1:05:29 PM

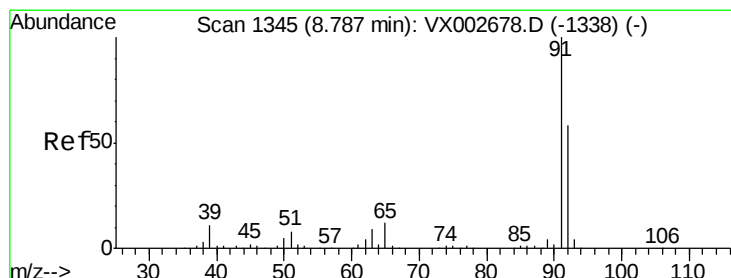
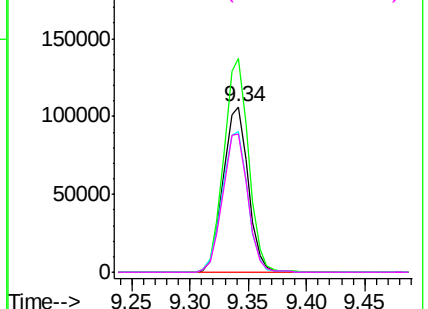
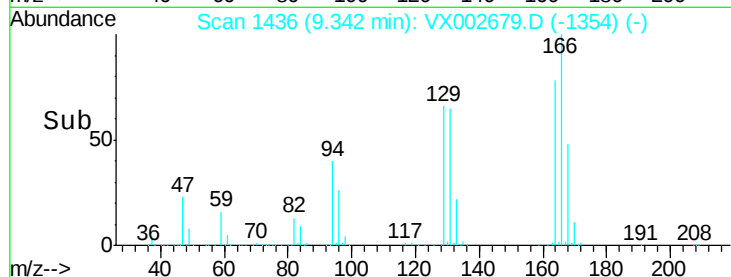


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 46.82 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX002679.D

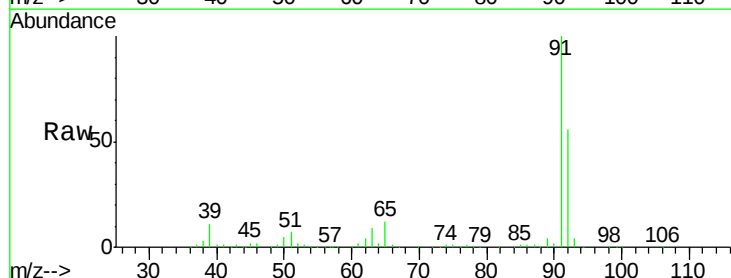
Acq: 18 Jun 2018 13:36

Tgt Ion: 91 Resp: 553822

Ion Ratio Lower Upper

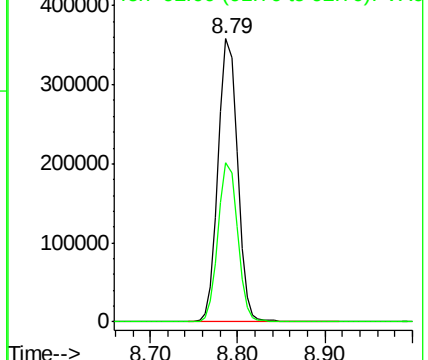
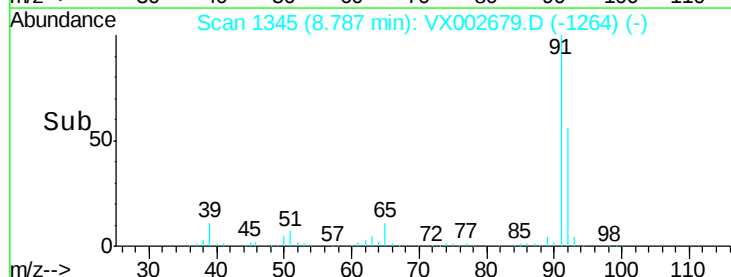
91 100

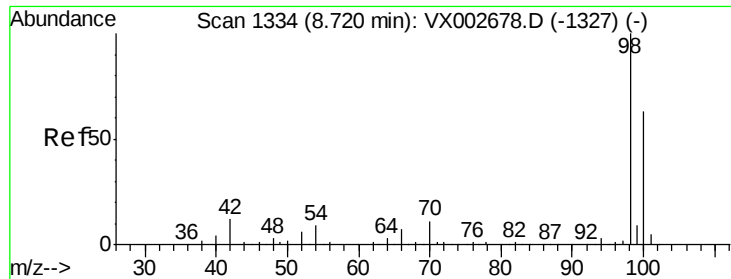
92 56.3 46.5 69.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





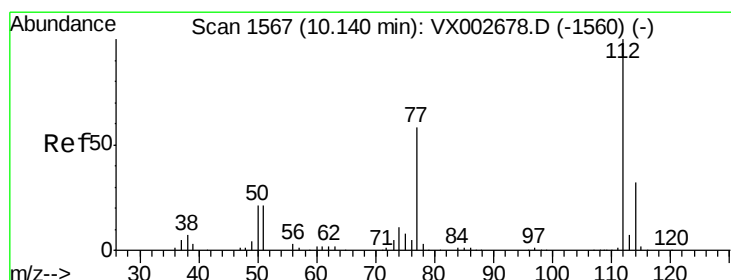
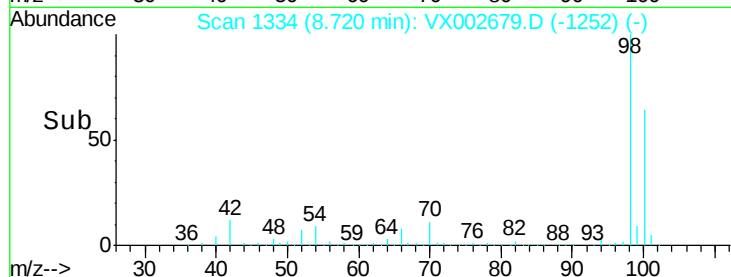
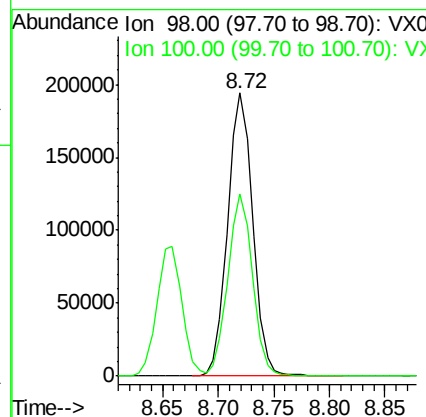
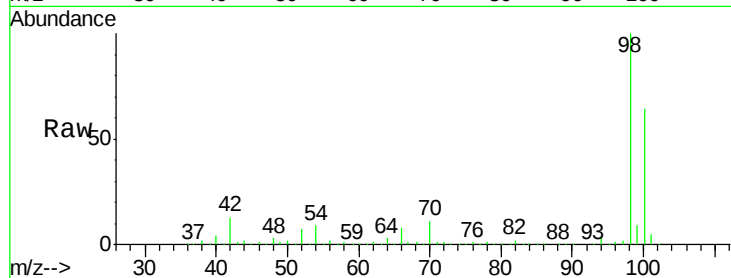
#63
Toluene-d8
Concen: 29.51 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 304714
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2

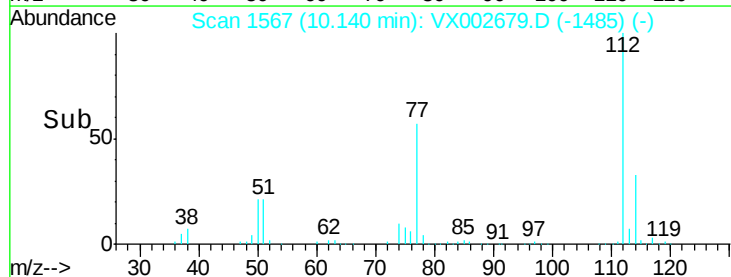
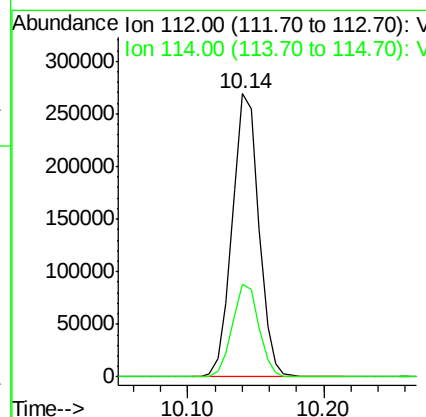
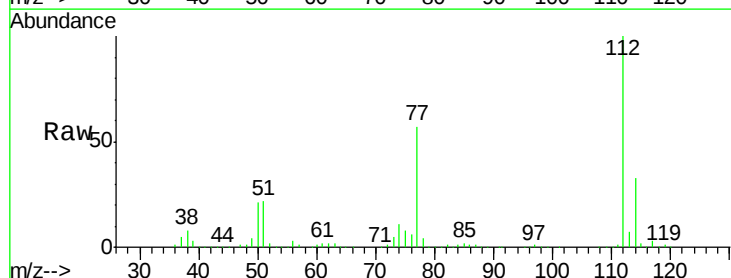
Manual Integrations
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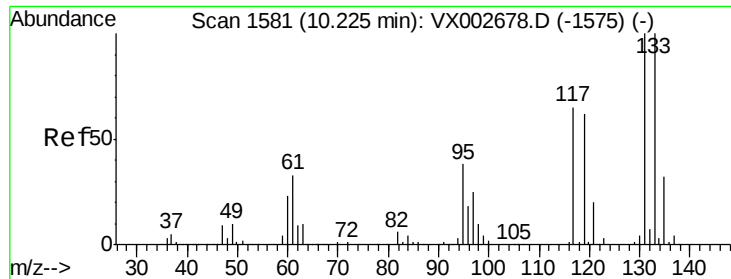
MMDadoda
6/19/2018 1:05:29 PM



#64
Chlorobenzene
Concen: 47.80 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion: 112 Resp: 366014
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4





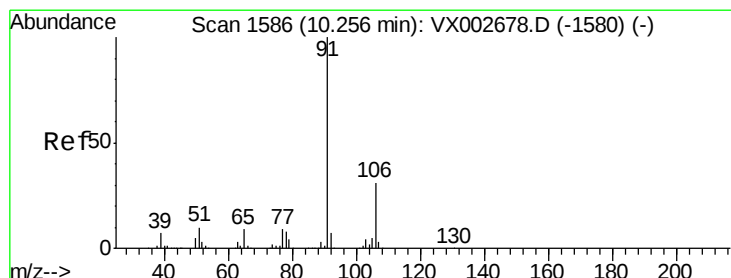
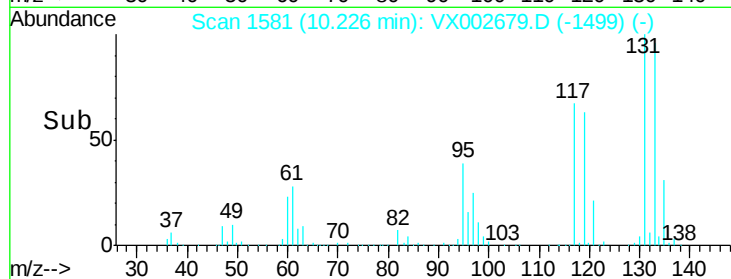
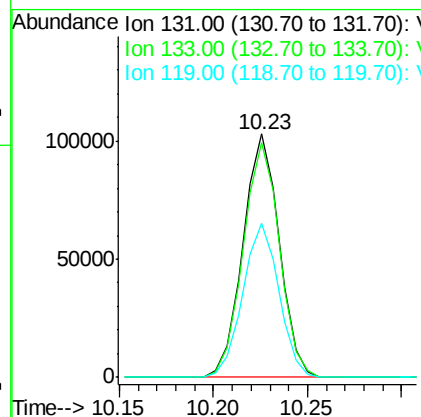
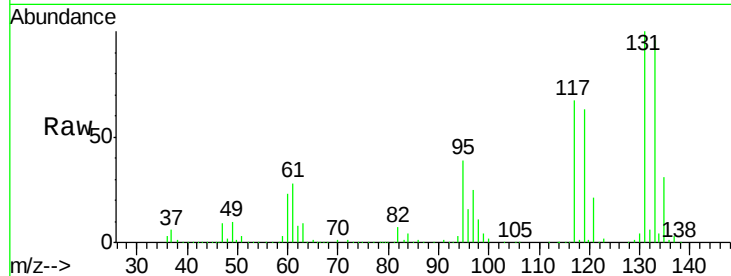
#65
 1,1,1,2-Tetrachloroethane
 Concen: 44.05 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	137245		
133	96.6	0.0	191.2	
119	63.0	0.0	125.4	

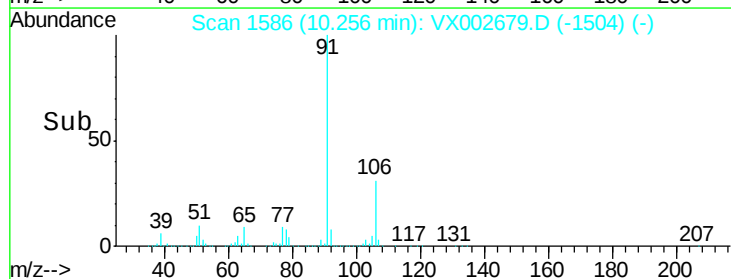
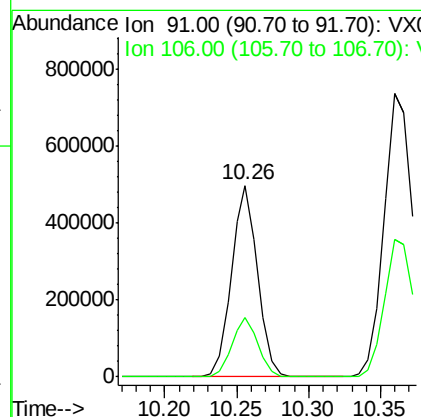
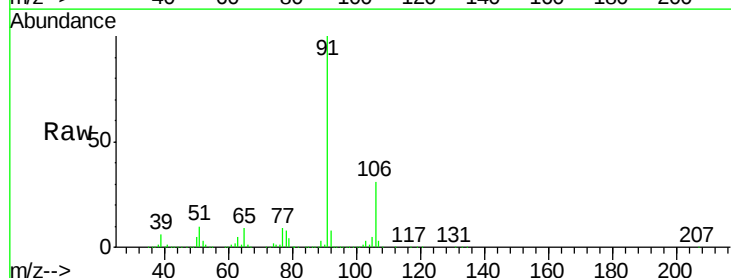
Manual Integrations
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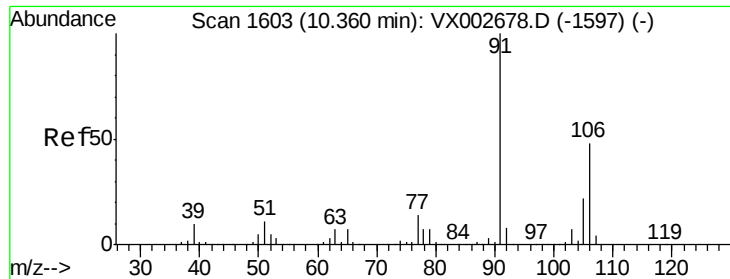
MMDadoda
 6/19/2018 1:05:29 PM



#66
 Ethyl Benzene
 Concen: 47.49 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	631363		
106	31.3	25.2	37.8	





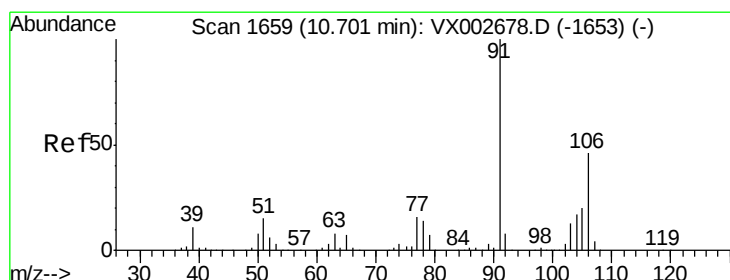
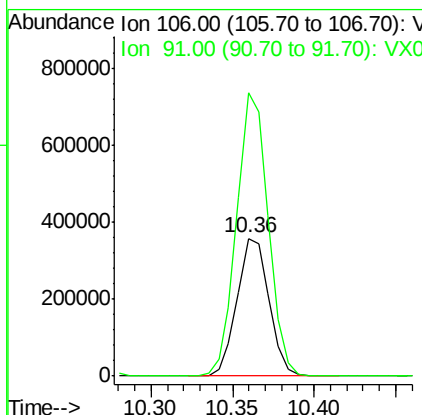
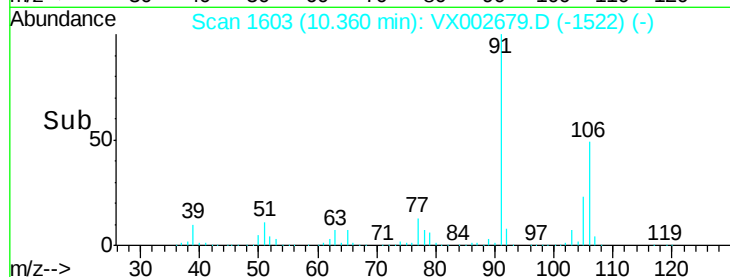
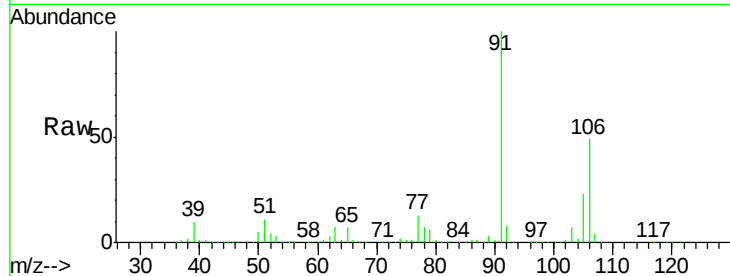
#67
m/p-Xvlenes
Concen: 97.32 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 491227
Ion Ratio Lower Upper
106 100
91 202.4 164.1 246.1

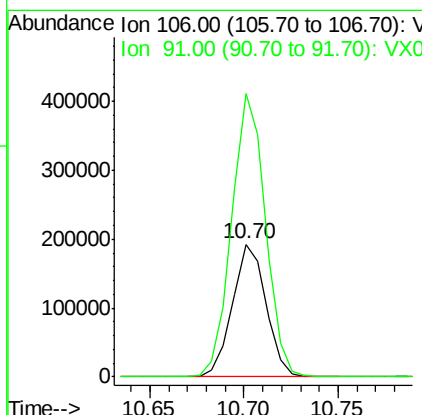
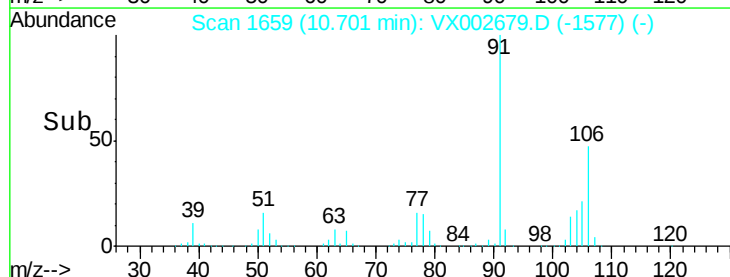
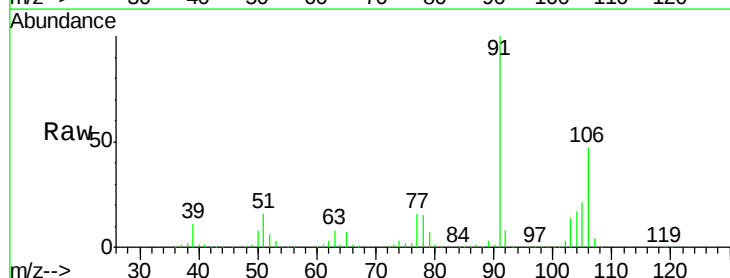
Manual Integrations
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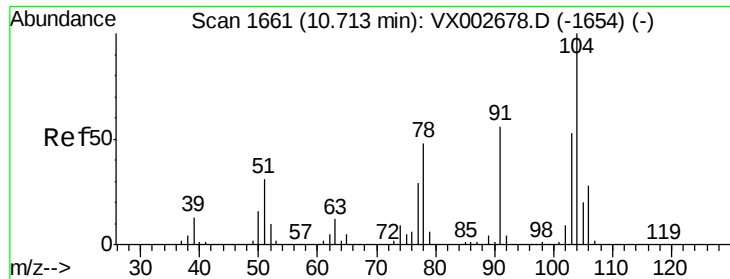
MMDadoda
6/19/2018 1:05:29 PM



#68
o-Xylene
Concen: 47.21 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion:106 Resp: 238636
Ion Ratio Lower Upper
106 100
91 213.8 109.1 327.3





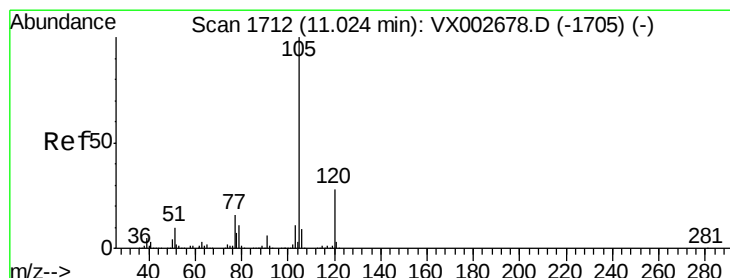
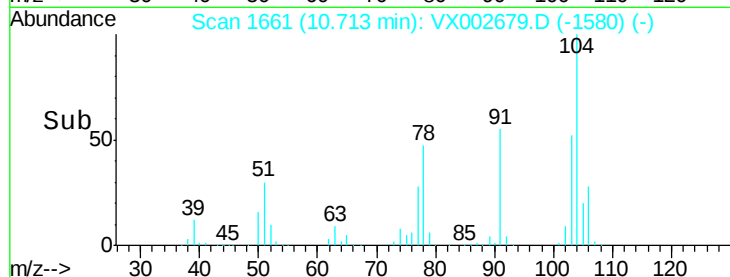
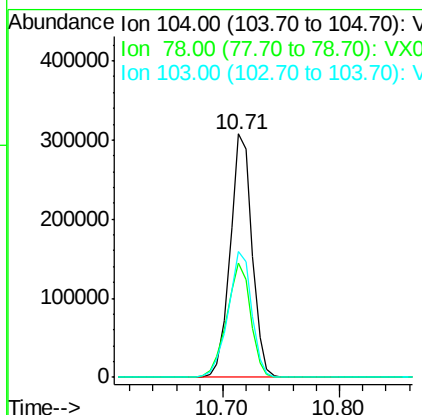
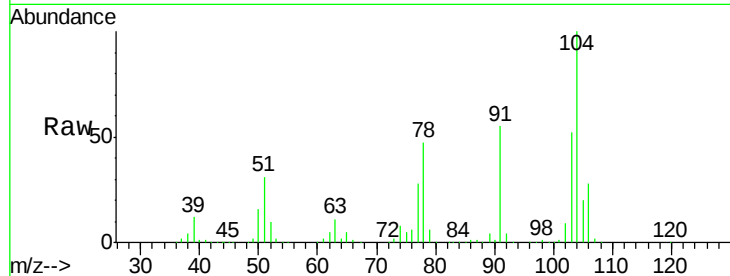
#69
Stvrene
Concen: 47.32 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.8	62.8
103	55.5	44.9	67.3

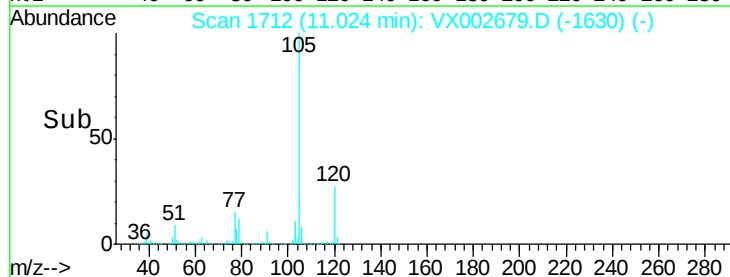
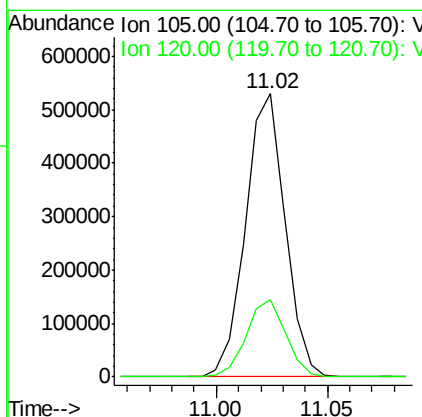
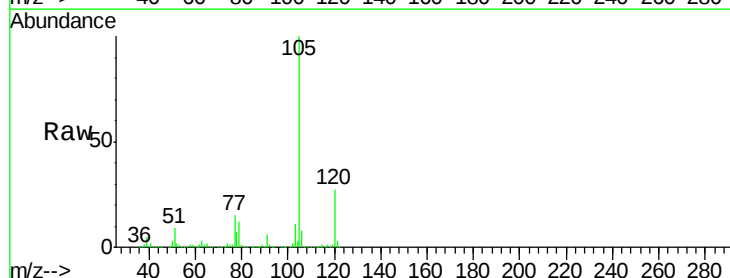
Manual Integrations
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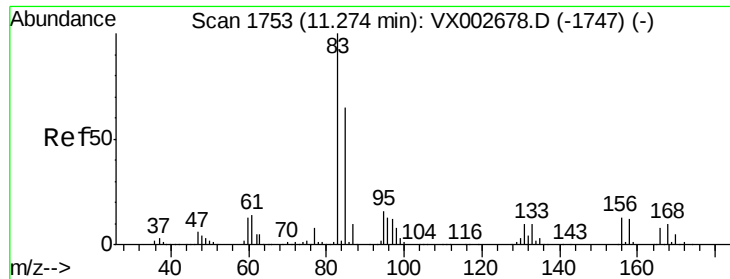
MMDadoda
6/19/2018 1:05:29 PM



#70
Isopropylbenzene
Concen: 48.70 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.0	35.2





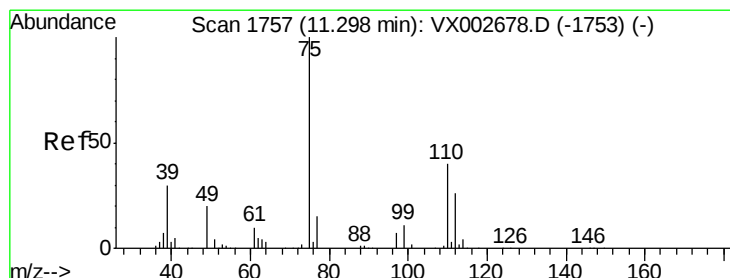
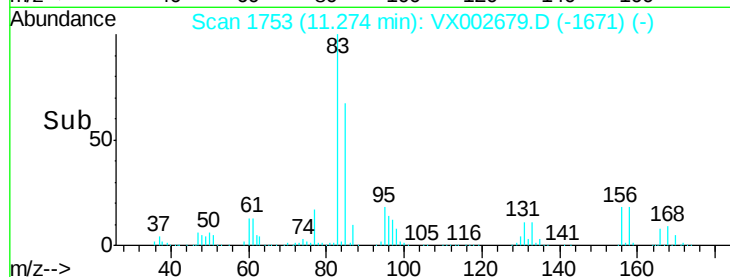
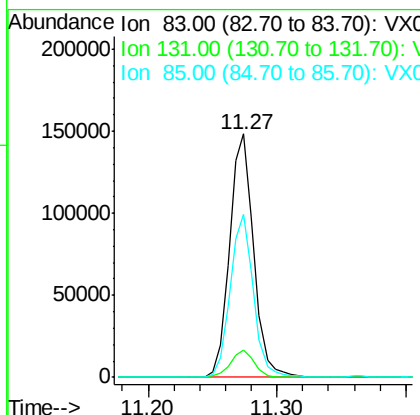
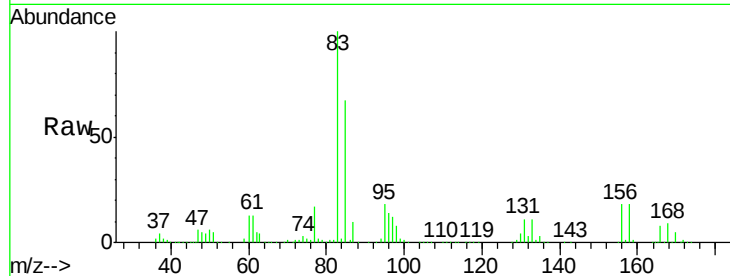
#71
 1,1,2,2-Tetrachloroethane
 Concen: 45.71 ug/l
 RT: 11.27 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.0	5.4	16.2	
85	65.0	32.4	97.2	

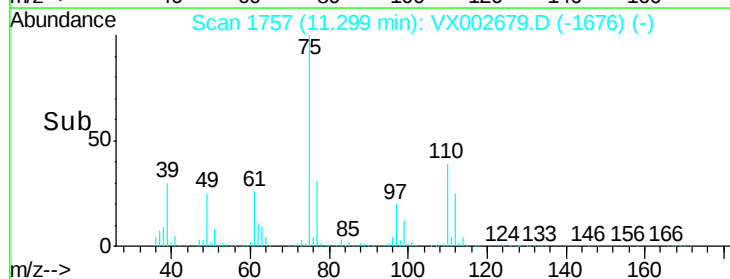
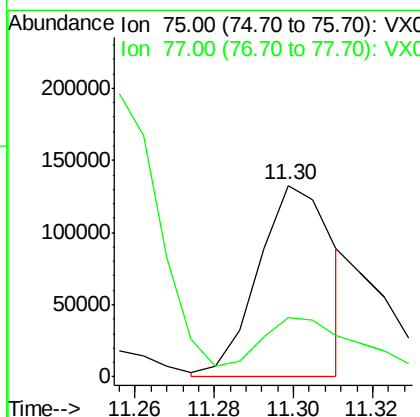
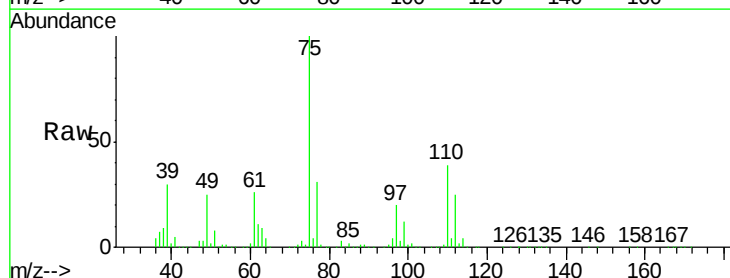
Manual Integrations
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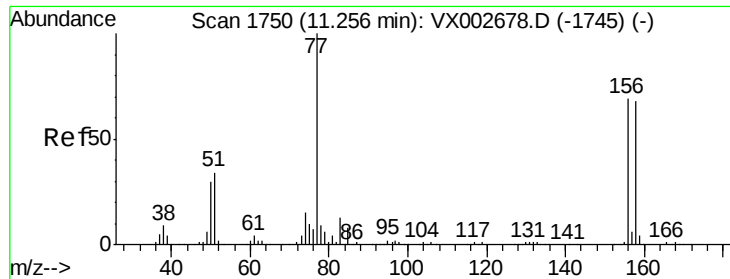
MMDadoda
 6/19/2018 1:05:29 PM



#72
 1,2,3-Trichloropropane
 Concen: 43.34 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	40.4	0.0	71.8	





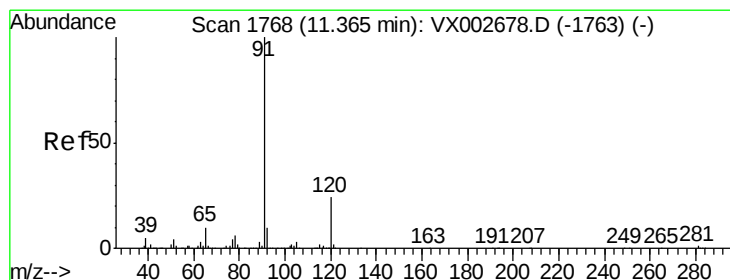
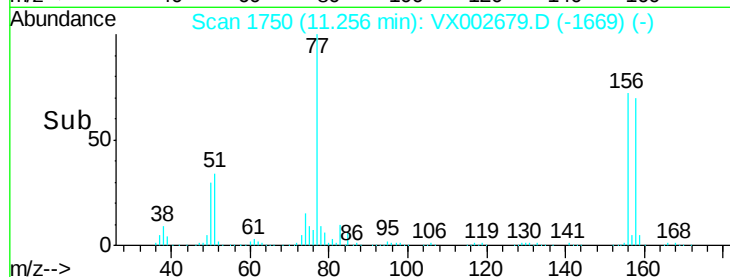
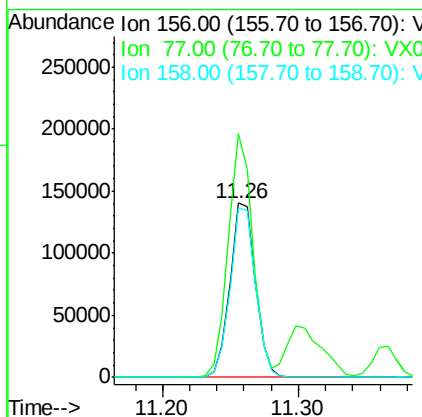
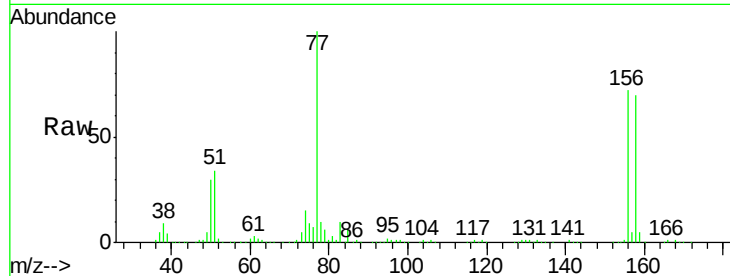
#73
Bromobenzene
Concen: 50.30 ug/l
RT: 11.26 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	182837		
77	134.8	0.0	301.0	
158	96.8	0.0	196.2	

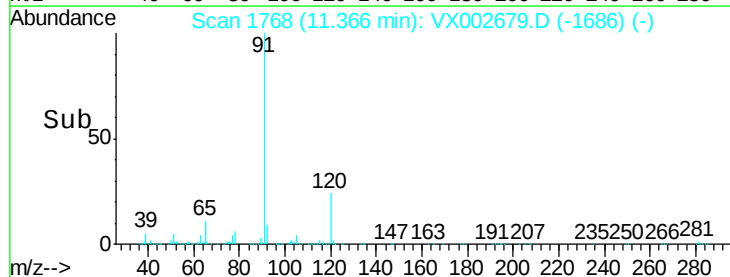
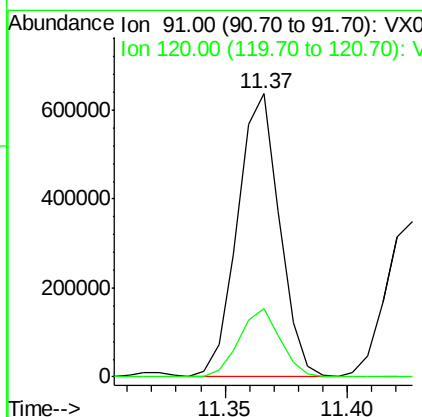
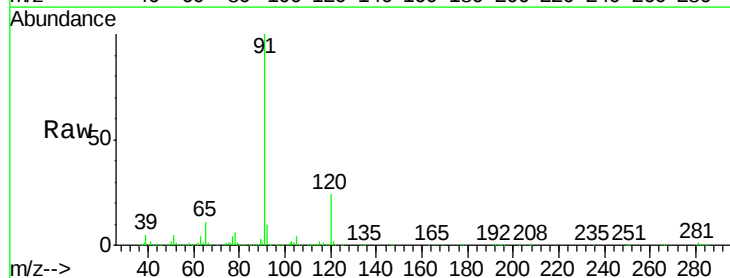
Manual Integrations
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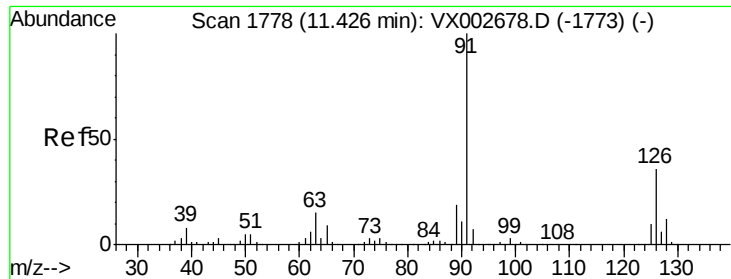
MMDadoda
6/19/2018 1:05:29 PM



#74
n-propylbenzene
Concen: 50.30 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	759886		
120	23.5	0.0	46.2	





#75

2-Chlorotoluene

Concen: 47.37 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 441351

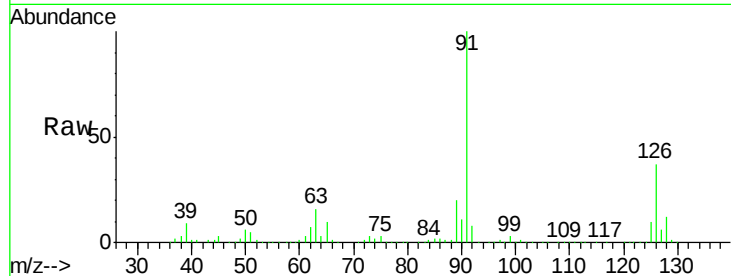
Ion Ratio Lower Upper

91 100

126 36.1 0.0 69.4

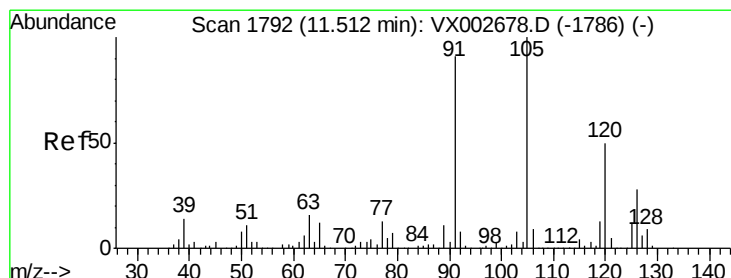
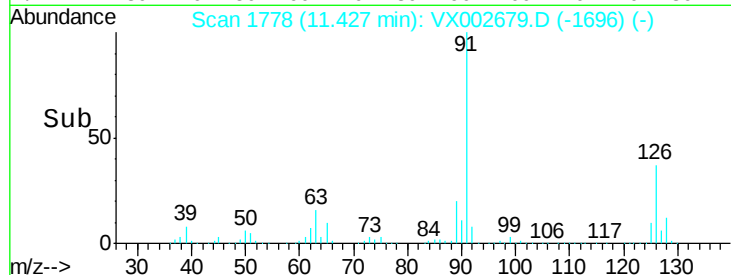
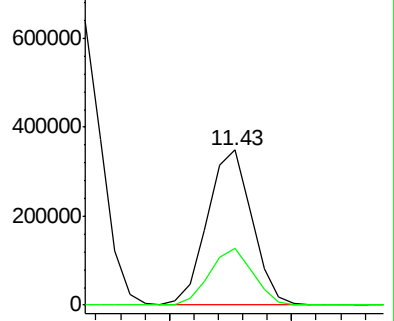
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX002678.D (-1773) (-)

Ion 126.00 (125.70 to 126.70): VX002678.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 48.76 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002679.D

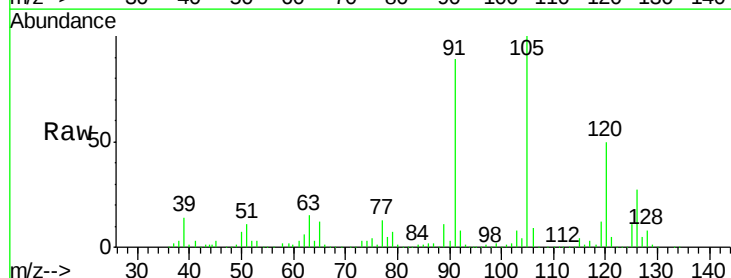
Acq: 18 Jun 2018 13:36

Tgt Ion: 105 Resp: 561035

Ion Ratio Lower Upper

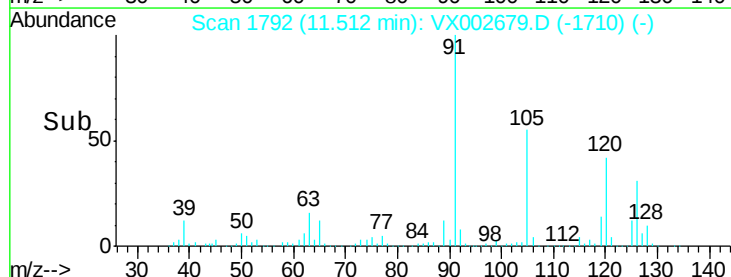
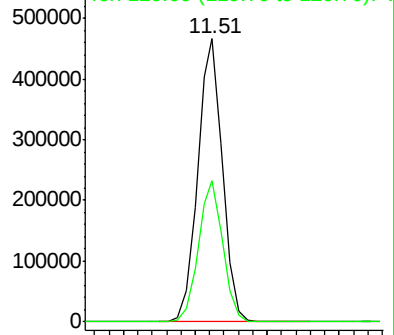
105 100

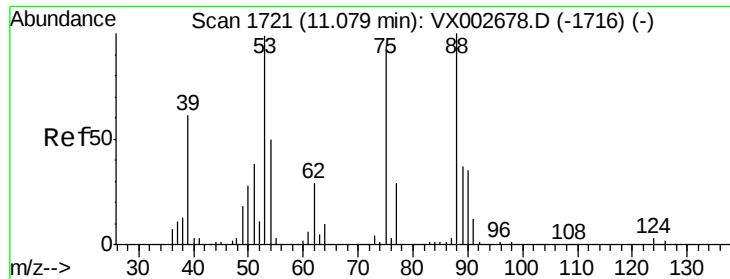
120 49.2 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX002678.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002678.D (-1786) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 38.64 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 75 Resp: 55931

Ion Ratio Lower Upper

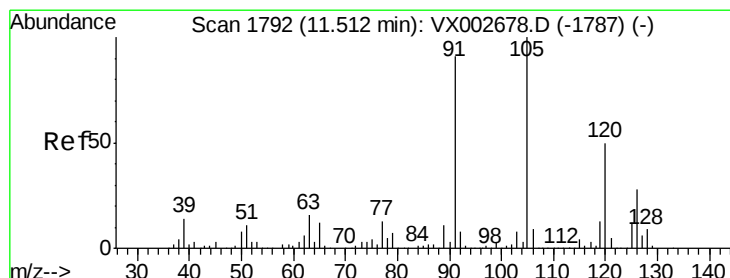
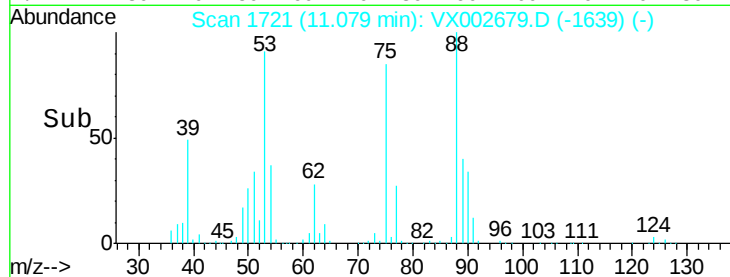
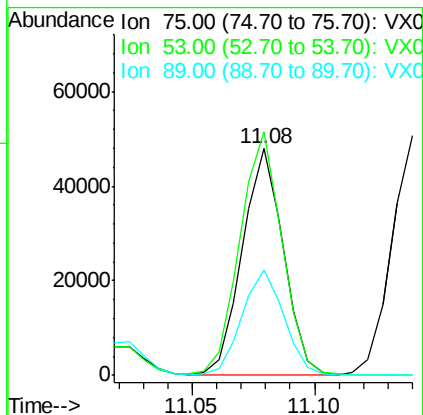
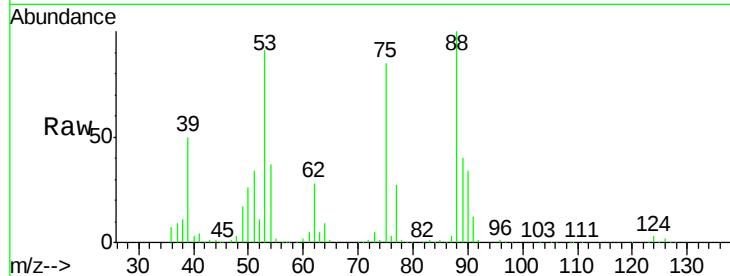
75 100

53 107.0 48.3 144.9

89 46.3 21.8 65.4

Manual Integrations
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#78

4-Chlorotoluene

Concen: 49.40 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002679.D

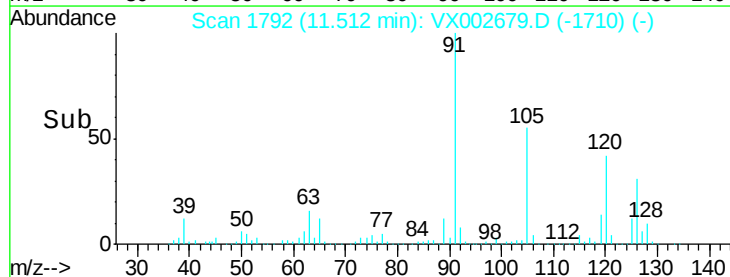
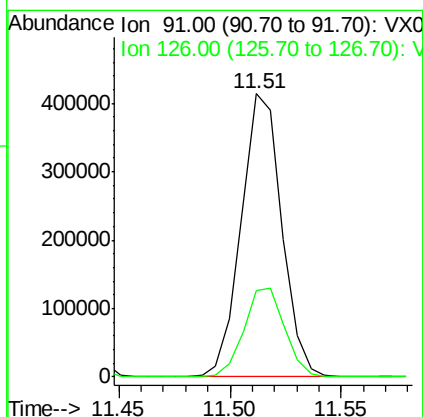
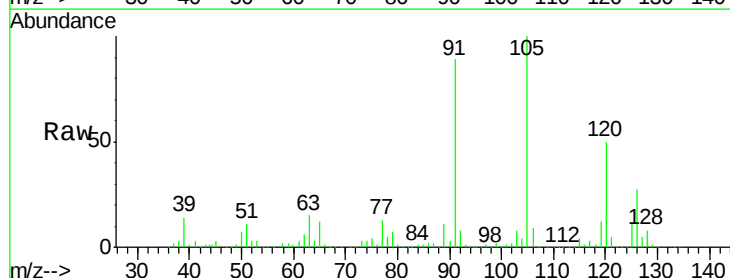
Acq: 18 Jun 2018 13:36

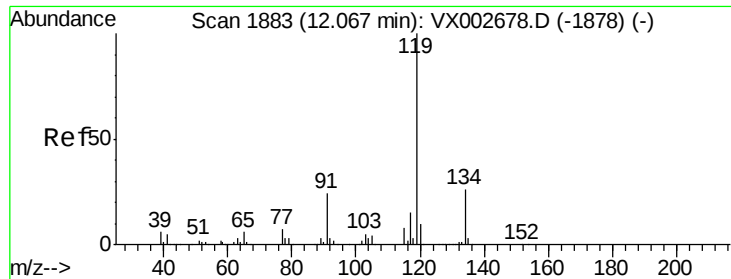
Tgt Ion: 91 Resp: 523374

Ion Ratio Lower Upper

91 100

126 31.7 0.0 61.0





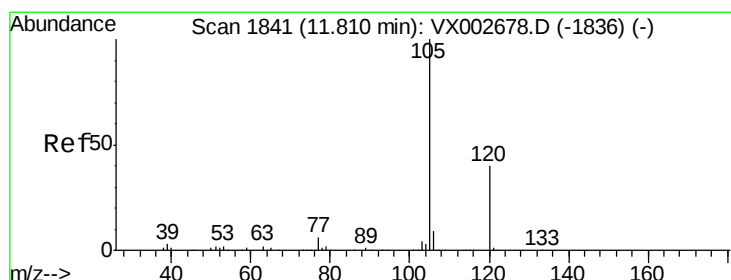
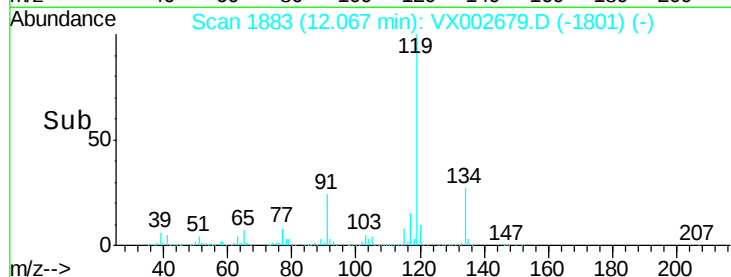
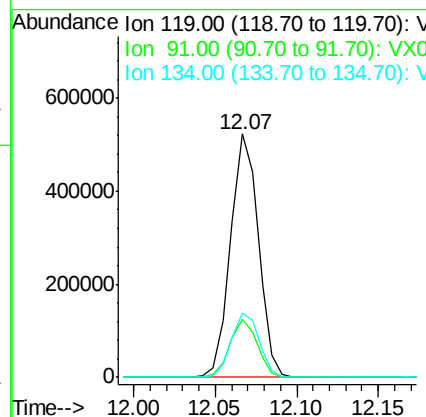
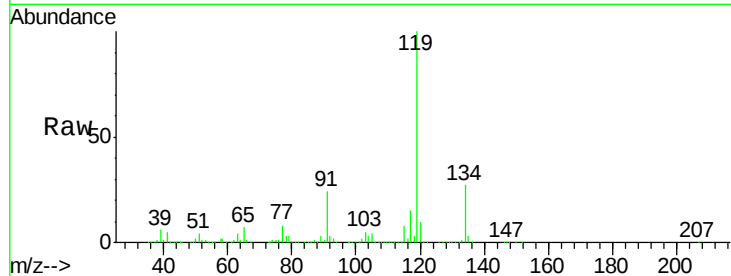
#79
tert-butylbenzene
Concen: 51.43 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	620534		
91	23.6		0.0	48.0
134	26.9		0.0	52.6

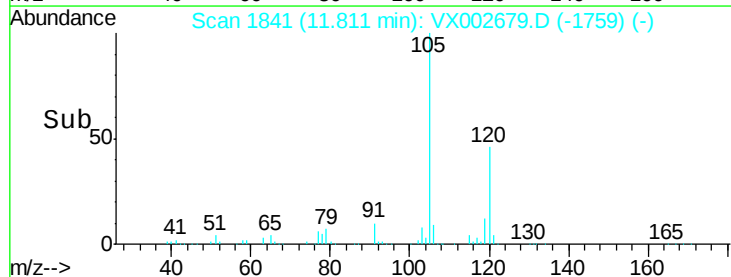
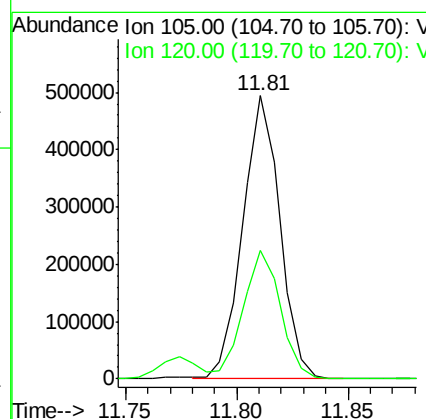
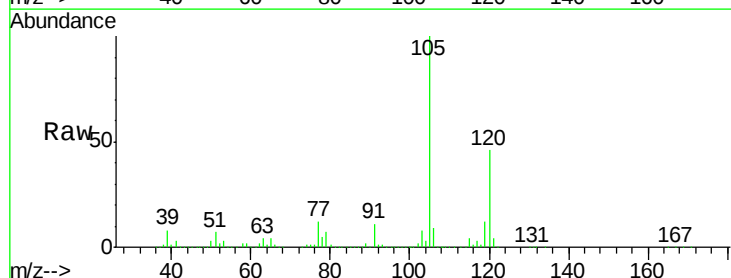
Manual Integrations
APPROVED

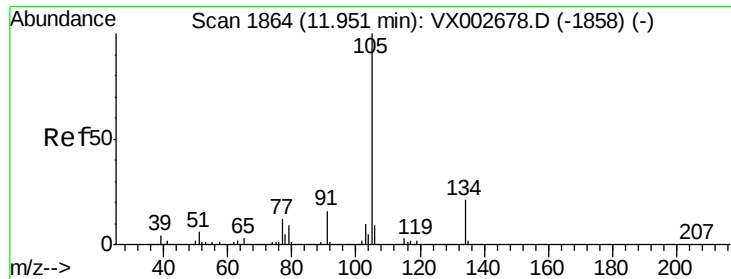
MMDadoda
6/19/2018 1:05:29 PM



#80
1,2,4-Trimethylbenzene
Concen: 49.46 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	575377		
120	45.6		0.0	89.2





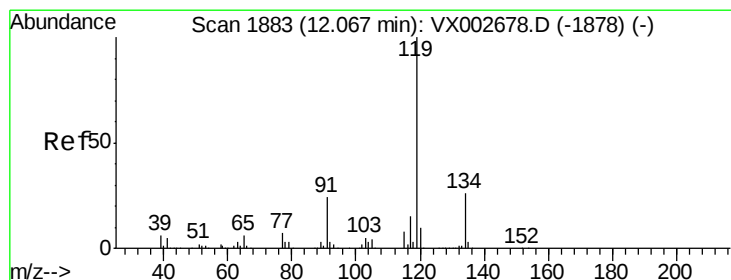
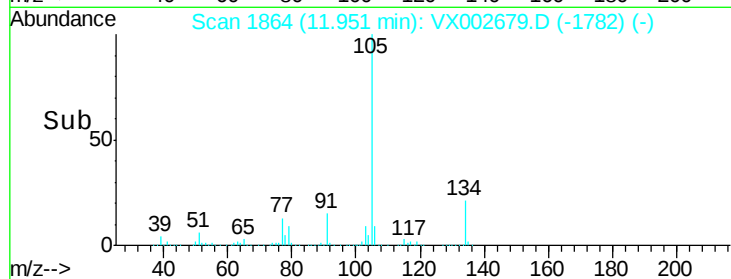
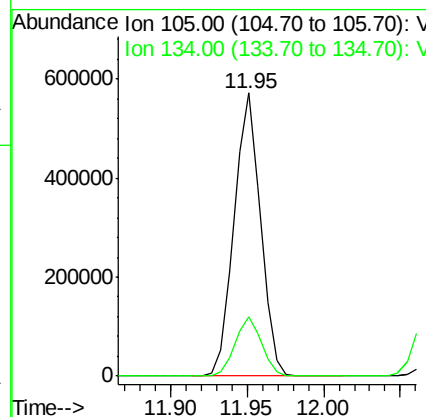
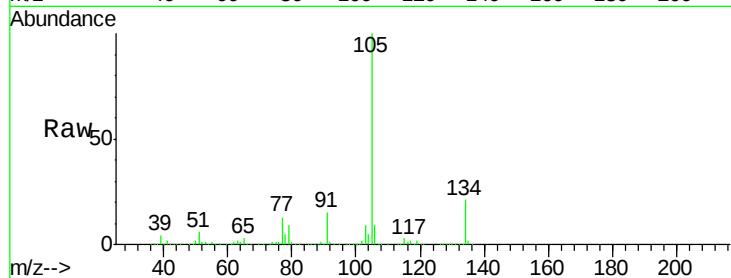
#81
 sec-Butylbenzene
 Concen: 50.62 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	0.0	41.6

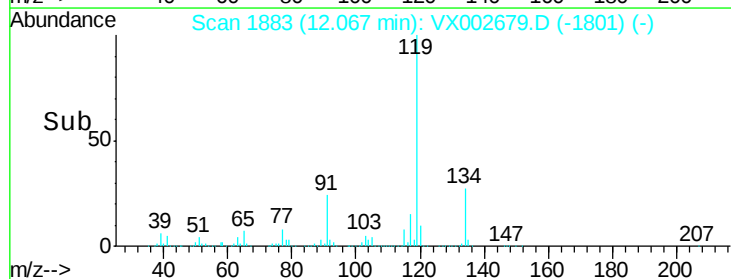
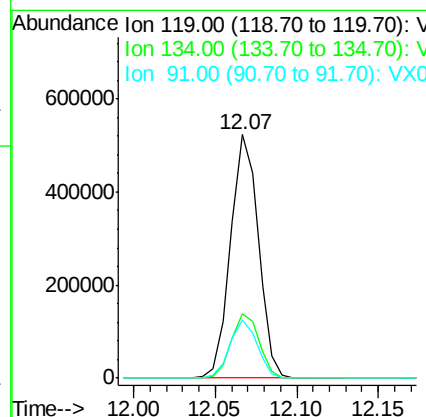
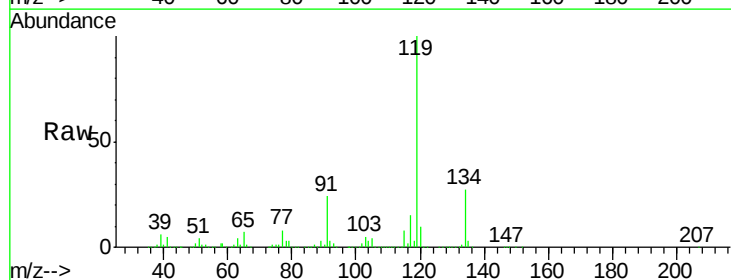
Manual Integrations
 APPROVED

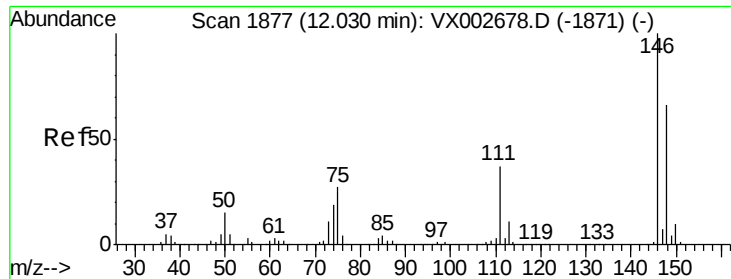
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 51.43 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	52.6
91	23.6	0.0	48.0





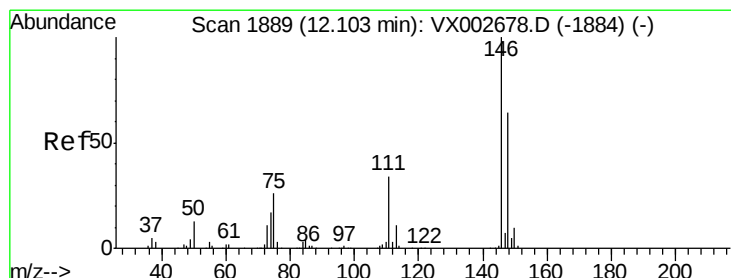
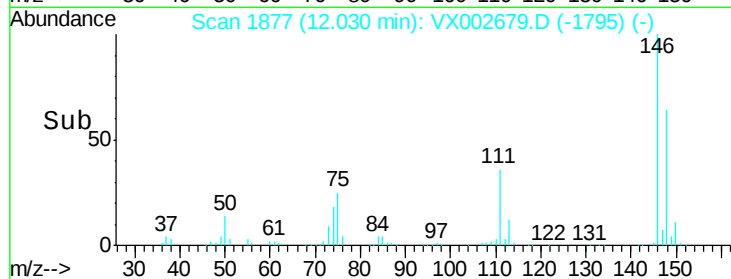
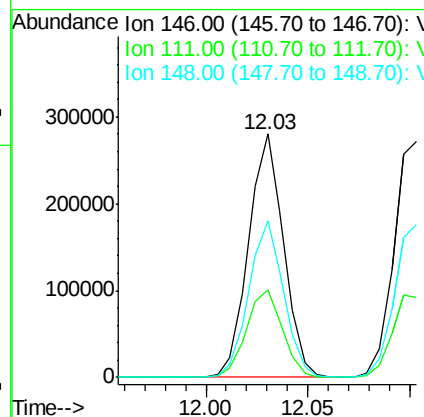
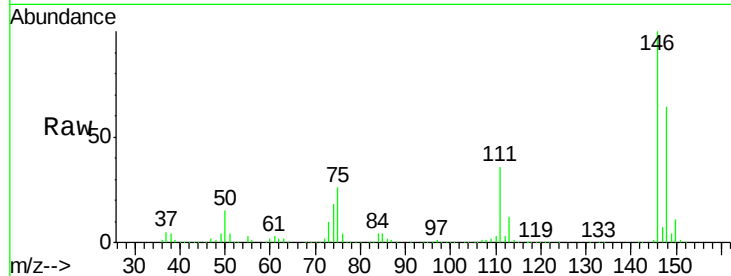
#83
 1,3-Dichlorobenzene
 Concen: 51.83 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.5
148	64.0	31.9	95.7

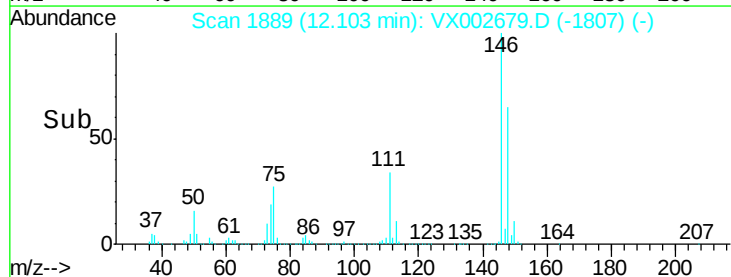
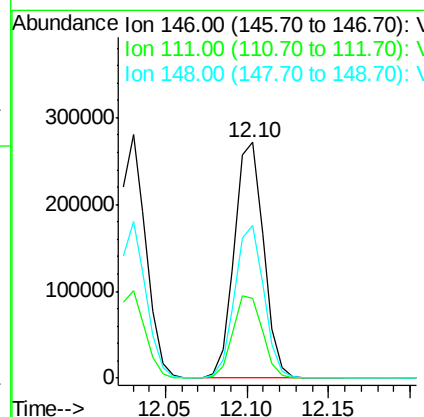
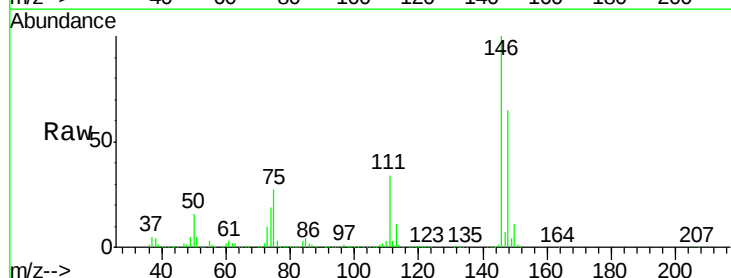
Manual Integrations
 APPROVED

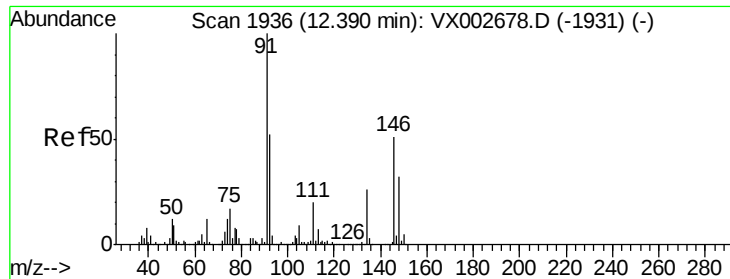
MMDadoda
 6/19/2018 1:05:29 PM



#84
 1,4-Dichlorobenzene
 Concen: 52.98 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002679.D
 Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.5	55.5
148	64.3	32.0	96.0





#85

n-Butylbenzene

Concen: 54.35 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

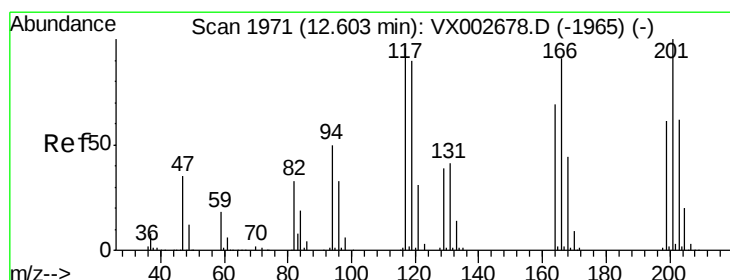
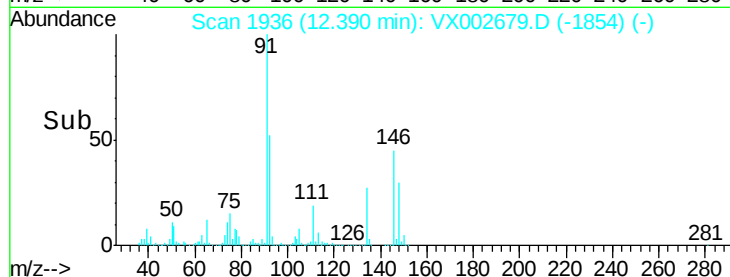
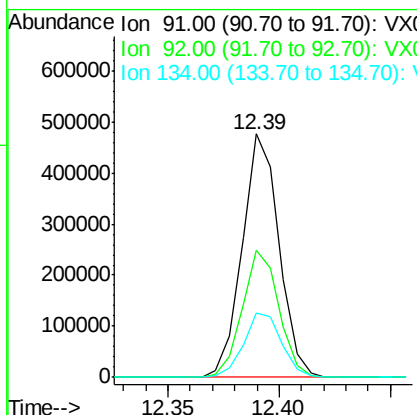
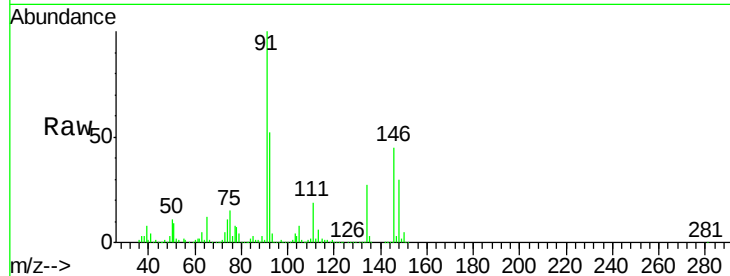
ClientSampleId :

VSTDIC050

Tot Ion:	91	Resp:	549970
Ion	Ratio	Lower	Upper
91	100		
92	51.9	0.0	105.2
134	27.4	0.0	53.2

Manual Integrations
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#86

Hexachloroethane

Concen: 39.43 ug/l

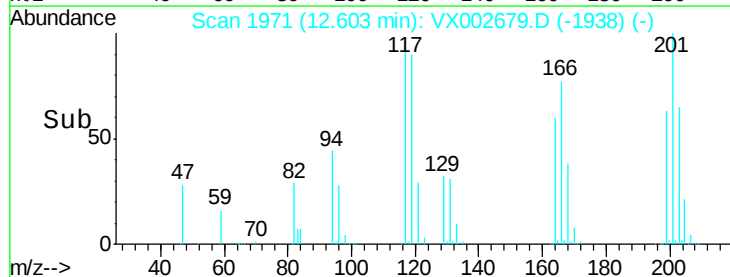
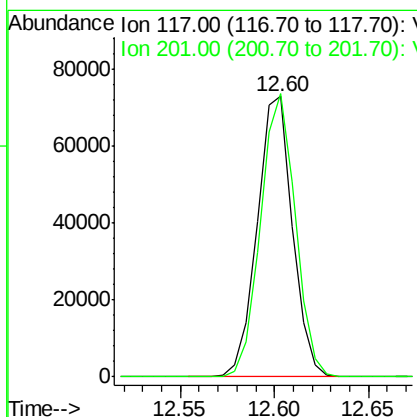
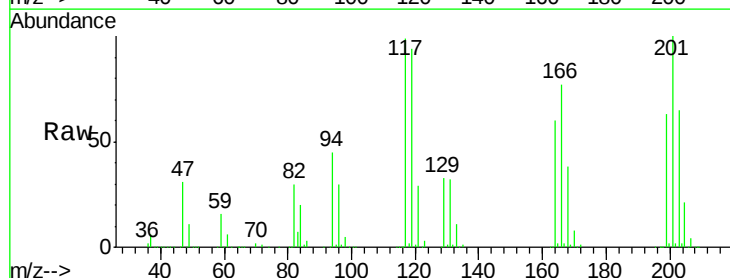
RT: 12.60 min Scan# 1971

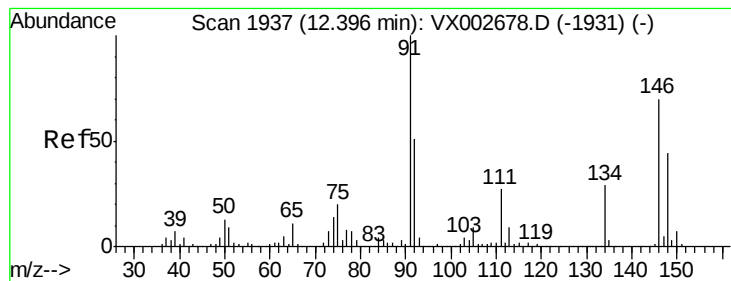
Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Tgt Ion:	117	Resp:	94654
Ion	Ratio	Lower	Upper
117	100		
201	99.4	47.6	142.8





#87

1,2-Dichlorobenzene

Concen: 50.79 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Instrument :

MSVOA_X

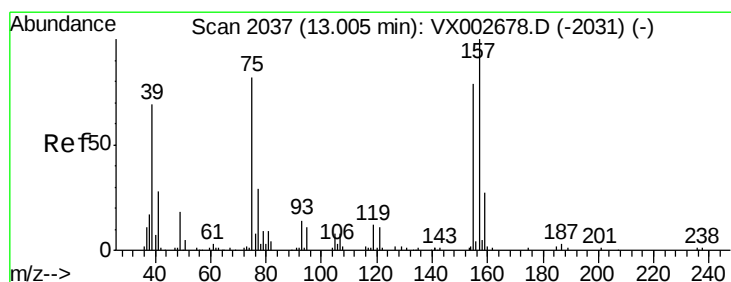
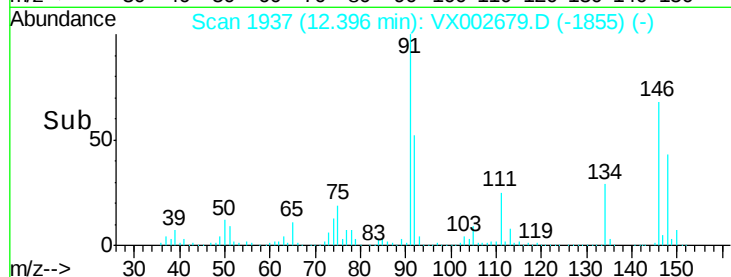
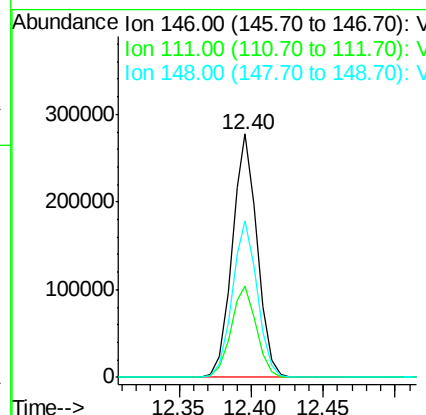
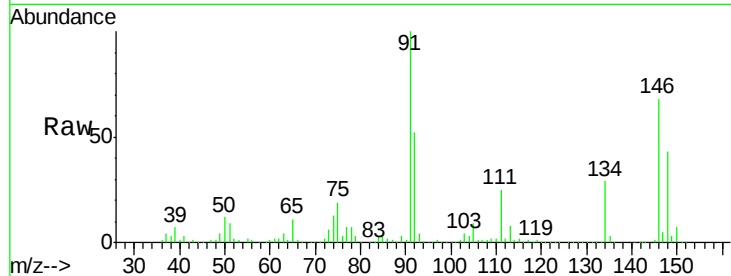
ClientSampleId :

VSTDIC050

Tot Ion:	146	Resp:	336917
Ion Ratio	Lower	Upper	
146	100		
111	38.0	20.0	59.9
148	64.2	32.8	98.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 36.75 ug/l

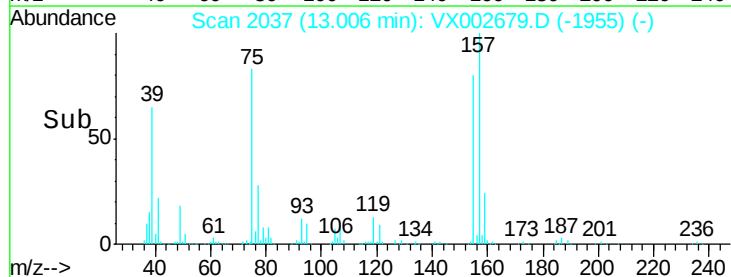
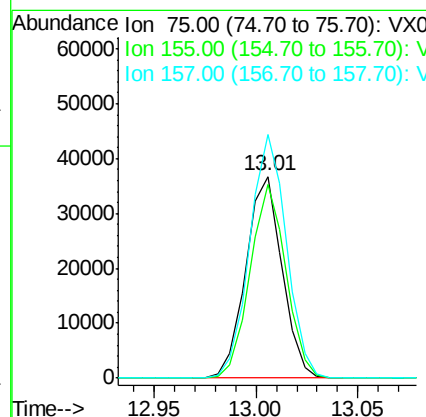
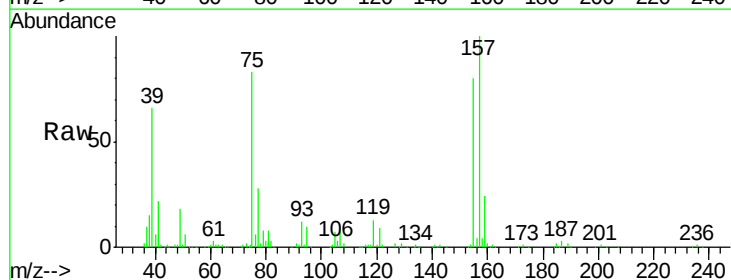
RT: 13.01 min Scan# 2037

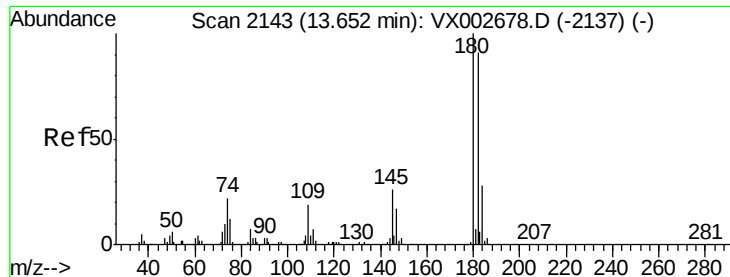
Delta R.T. -0.00 min

Lab File: VX002679.D

Acq: 18 Jun 2018 13:36

Tgt Ion:	75	Resp:	45397
Ion Ratio	Lower	Upper	
75	100		
155	95.1	73.1	109.7
157	122.5	93.1	139.7





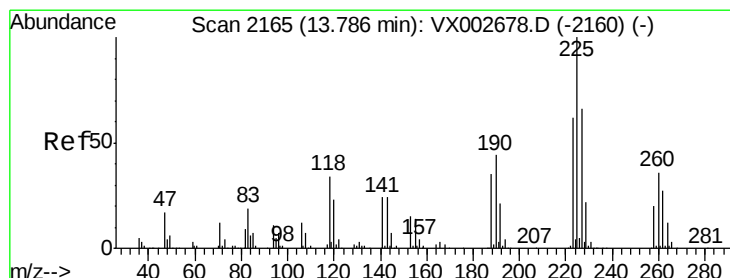
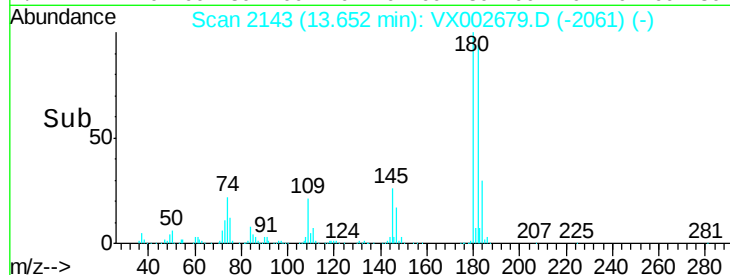
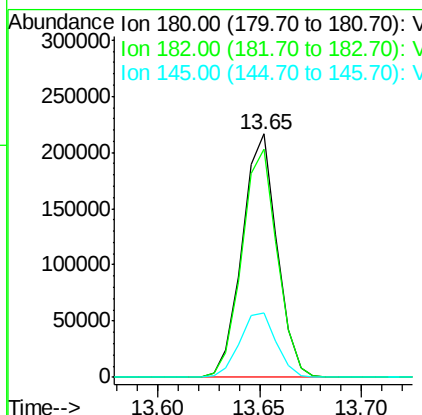
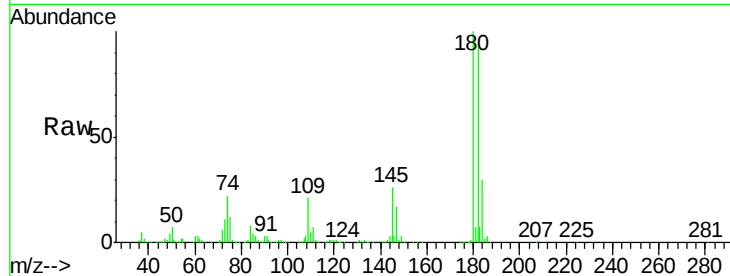
#89
1,2,4-Trichlorobenzene
Concen: 54.43 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	256434		
182	95.1	76.4	114.6	
145	27.8	22.9	34.3	

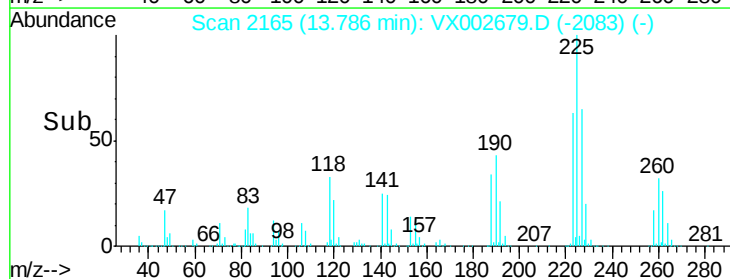
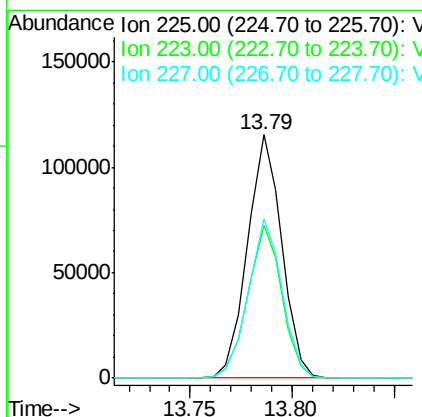
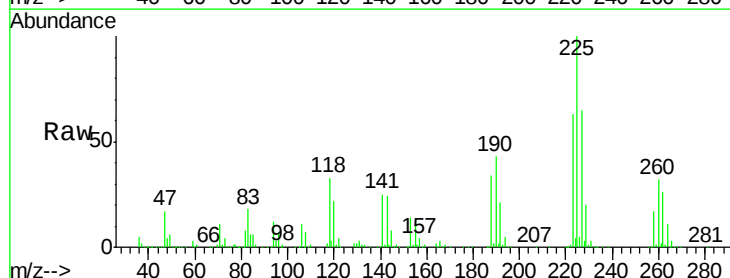
Manual Integrations
APPROVED

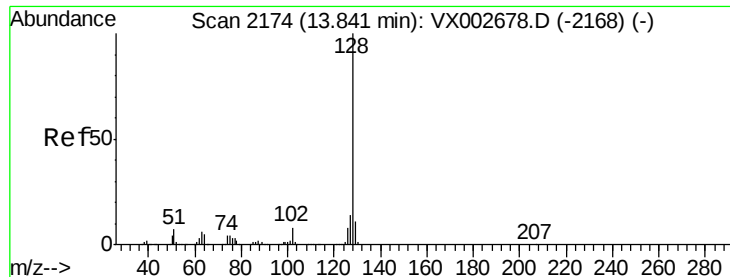
MMDadoda
6/19/2018 1:05:29 PM



#90
Hexachlorobutadiene
Concen: 53.83 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	134899		
223	62.3	0.0	122.4	
227	64.4	0.0	128.0	





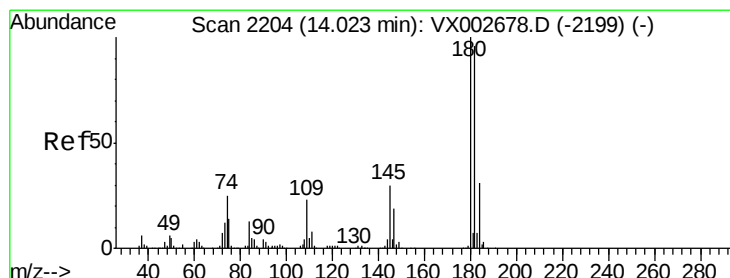
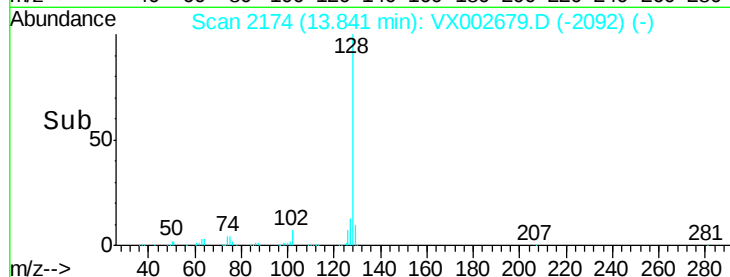
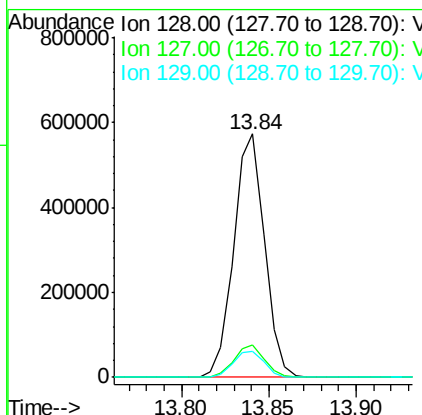
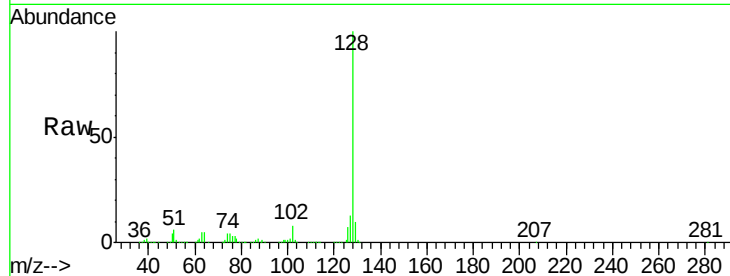
#91
Naphthalene
Concen: 47.15 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:	128	Resp:	700907
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:05:29 PM



#92
1,2,3-Trichlorobenzene
Concen: 52.59 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002679.D
Acq: 18 Jun 2018 13:36

Tgt Ion:	180	Resp:	258755
Ion Ratio		Lower	Upper
180	100		
182	95.4	0.0	191.0
145	29.1	0.0	60.6

