

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001168.D
 Acq On : 27 Apr 2018 14:11
 Operator : JC/MD
 Sample : VX0427WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:04:36 PM

Quant Time: Apr 28 03:21:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	233922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	305460	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	199968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	146297	40.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.70%	
35) Dibromofluoromethane	5.51	113	116153	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
50) Toluene-d8	8.72	98	445195	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
62) 4-Bromofluorobenzene	11.14	95	172645	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47920	19.53	ug/l	98
3) Chloromethane	1.32	50	45672	17.78	ug/l	100
4) Vinyl Chloride	1.40	62	50776	18.63	ug/l	99
5) Bromomethane	1.64	94	37724	21.34	ug/l	100
6) Chloroethane	1.73	64	31793	18.53	ug/l	97
7) Trichlorofluoromethane	1.93	101	88013	19.99	ug/l	98
8) Diethyl Ether	2.19	74	30615	18.09	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50509	20.82	ug/l	99
10) Methyl Iodide	2.51	142	31489	17.92	ug/l	99
11) Tert butyl alcohol	3.07	59	58959	82.45	ug/l	98
12) 1,1-Dichloroethene	2.38	96	45047	19.04	ug/l	97
13) Acrolein	2.30	56	17622	65.19	ug/l	95
14) Allyl chloride	2.73	41	81100	18.79	ug/l	98
15) Acrylonitrile	3.15	53	127649	83.60	ug/l	100
16) Acetone	2.45	43	131147	87.95	ug/l	99
17) Carbon Disulfide	2.57	76	109215	18.09	ug/l	100
18) Methyl Acetate	2.78	43	65110	17.45	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	158423	18.19	ug/l	99
20) Methylene Chloride	2.86	84	49799	17.93	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	48115	18.40	ug/l	99
22) Diisopropyl ether	3.88	45	152992	17.72	ug/l	97
23) Vinyl Acetate	3.83	43	652298	89.05	ug/l	99
24) 1,1-Dichloroethane	3.70	63	81967	18.06	ug/l	97
25) 2-Butanone	4.71	43	184086	82.51	ug/l	99
26) 2,2-Dichloropropane	4.59	77	65896	18.45	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	53218	18.59	ug/l	100
28) Bromochloromethane	5.03	49	38915	19.13	ug/l	98
29) Tetrahydrofuran	5.17	42	115179	80.29	ug/l	100
30) Chloroform	5.22	83	89901	18.63	ug/l	98
31) Cyclohexane	5.58	56	76332	19.80	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	78274	18.79	ug/l	99
36) 1,1-Dichloropropene	5.81	75	67462	20.04	ug/l	100
37) Ethyl Acetate	4.87	43	69858	17.33	ug/l	99
38) Carbon Tetrachloride	5.79	117	68229	19.77	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79360	21.30	ug/l	96
40) Benzene	6.15	78	196711	20.20	ug/l	97
41) Methacrylonitrile	5.07	41	40313	17.80	ug/l	98
42) 1,2-Dichloroethane	6.20	62	76538	19.51	ug/l	99
43) Isopropyl Acetate	6.48	43	113666	17.95	ug/l	99
44) Trichloroethene	7.22	130	58839	20.28	ug/l	98
45) 1,2-Dichloropropane	7.53	63	50045	19.54	ug/l	99
46) Dibromomethane	7.67	93	35297	19.90	ug/l	99
47) Bromodichloromethane	7.90	83	62566	19.42	ug/l	98
48) Methyl methacrylate	7.79	41	60389	17.95	ug/l	99
49) 1,4-Dioxane	7.76	88	22672	336.53	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	377845	90.86	ug/l	97
52) Toluene	8.79	92	130363	20.47	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	74072	19.77	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	67827	18.80	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	52458	19.47	ug/l	99
56) Ethyl methacrylate	9.19	69	73828	18.50	ug/l	98
57) 1,3-Dichloropropane	9.38	76	86324	19.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	175239	92.87	ug/l	100
59) 2-Hexanone	9.50	43	289999	89.00	ug/l	99
60) Dibromochloromethane	9.59	129	52843	19.01	ug/l	98
61) 1,2-Dibromoethane	9.68	107	55832	19.78	ug/l	100
64) Tetrachloroethene	9.34	164	66133	21.16	ug/l	99
65) Chlorobenzene	10.15	112	152432	19.88	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	52594	19.82	ug/l	98
67) Ethyl Benzene	10.26	91	255204	20.48	ug/l	100
68) m/p-Xylenes	10.37	106	198542	40.30	ug/l	97
69) o-Xylene	10.71	106	97437	20.39	ug/l	100
70) Styrene	10.72	104	158963	19.99	ug/l	99
71) Bromoform	10.86	173	41127	18.23	ug/l #	99
73) Isopropylbenzene	11.02	105	260648	20.00	ug/l	100
74) N-amyl acetate	6.48	43	113666	17.31	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	77300	17.88	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	73579m	18.07	ug/l	
77) Bromobenzene	11.26	156	75533	19.54	ug/l	98
78) n-propylbenzene	11.37	91	301124	20.72	ug/l	100
79) 2-Chlorotoluene	11.43	91	177198	19.67	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	223073	20.21	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	16452	16.68	ug/l	88
82) 4-Chlorotoluene	11.52	91	213335	19.92	ug/l	100
83) tert-Butylbenzene	11.77	119	213931	19.43	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	231689	20.43	ug/l	100
85) sec-Butylbenzene	11.95	105	265469	20.64	ug/l	100
86) p-Isopropyltoluene	12.07	119	242346	20.25	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	138895	20.02	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	141433	19.56	ug/l	98
89) n-Butylbenzene	12.39	91	209447	20.22	ug/l	98
90) Hexachloroethane	12.60	117	32767	19.20	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	136735	19.50	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16033	16.80	ug/l	99

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ClientSampleId :
VX0427WBS01

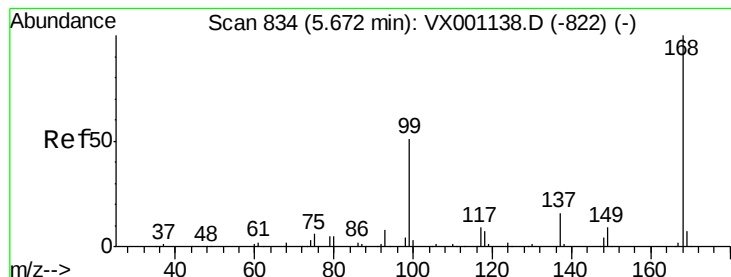
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	104462	19.00	ug/l	99
94) Hexachlorobutadiene	13.79	225	48523	18.78	ug/l	99
95) Naphthalene	13.84	128	279726	18.26	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	104782	19.15	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion:168 Resp: 233922

Ion Ratio Lower Upper

168 100

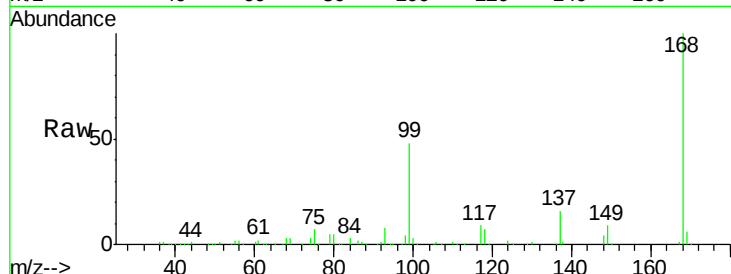
99 48.2 40.6 60.8

Manual Integrations

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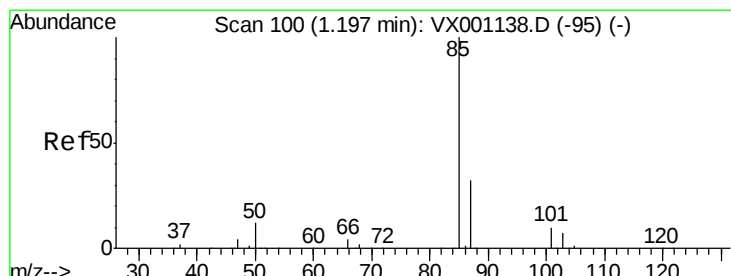
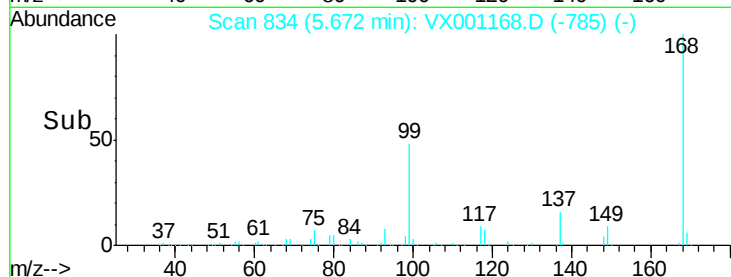
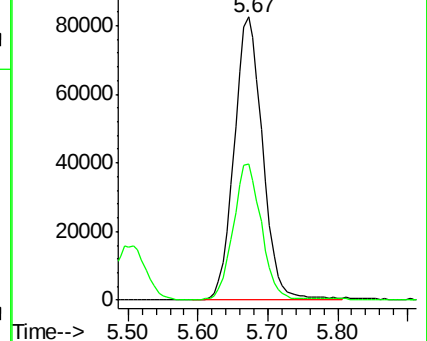
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.53 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001168.D

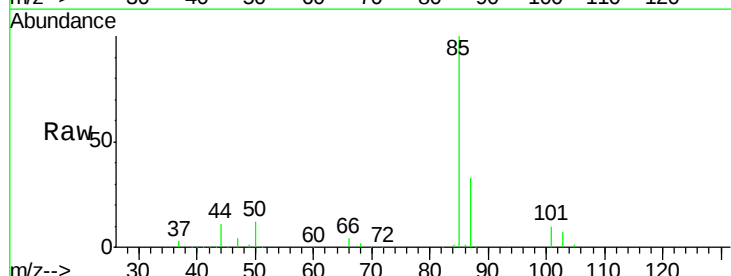
Acq: 27 Apr 2018 14:11

Tgt Ion: 85 Resp: 47920

Ion Ratio Lower Upper

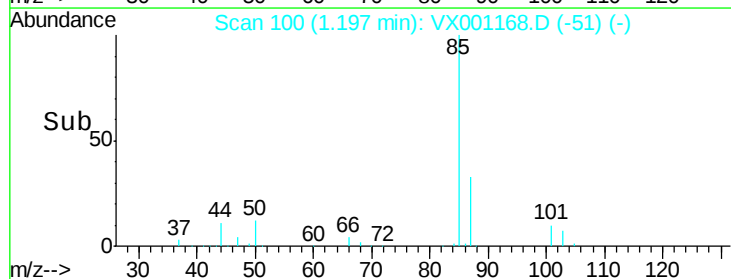
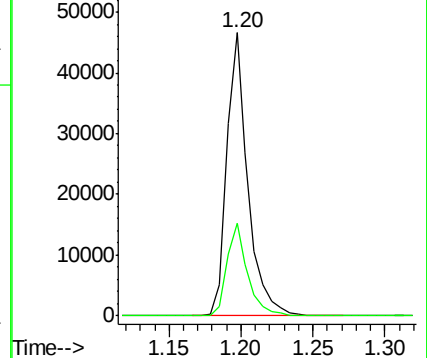
85 100

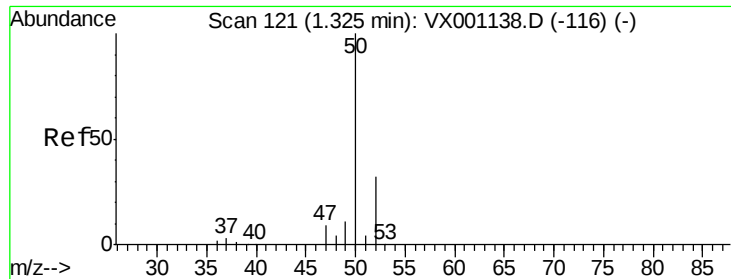
87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.78 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 50 Resp: 45672

Ion Ratio Lower Upper

50 100

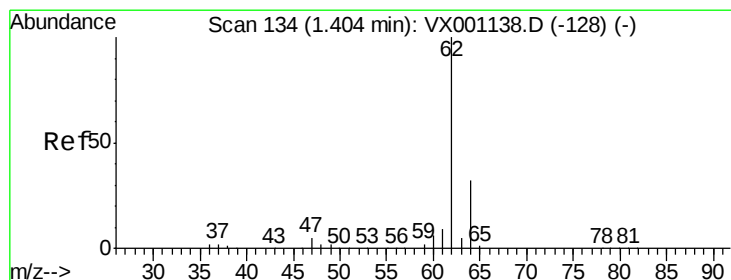
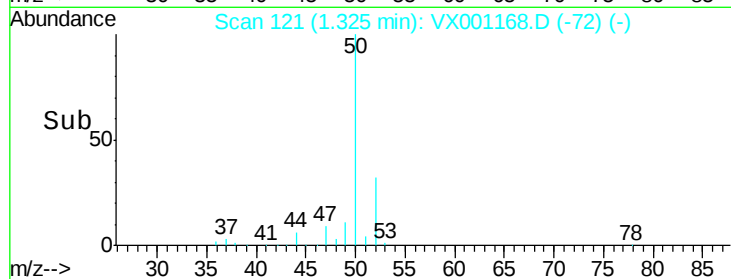
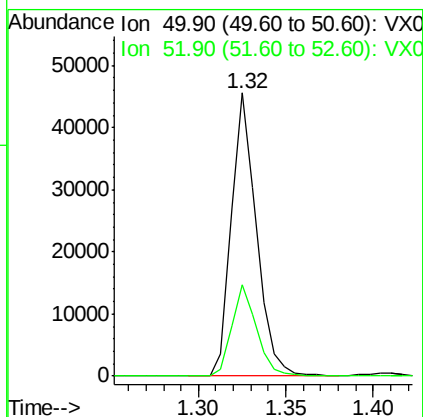
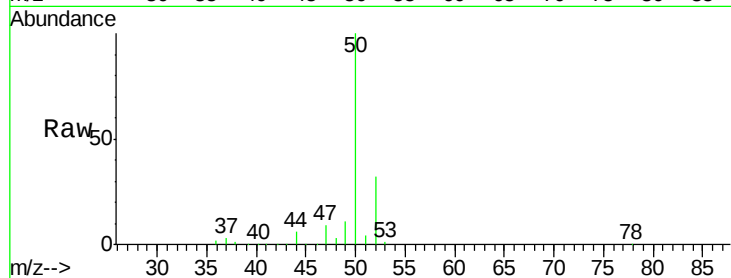
52 32.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.63 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001168.D

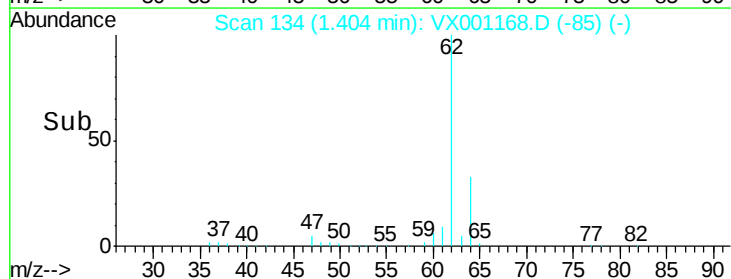
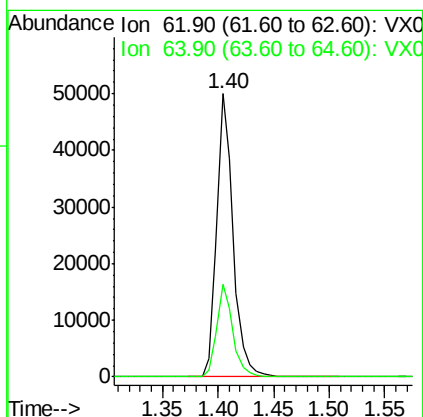
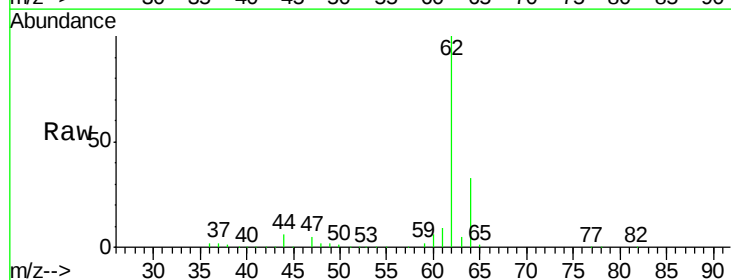
Acq: 27 Apr 2018 14:11

Tgt Ion: 62 Resp: 50776

Ion Ratio Lower Upper

62 100

64 32.7 25.6 38.4





#5

Bromomethane

Concen: 21.34 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 94 Resp: 37724

Ion Ratio Lower Upper

94 100

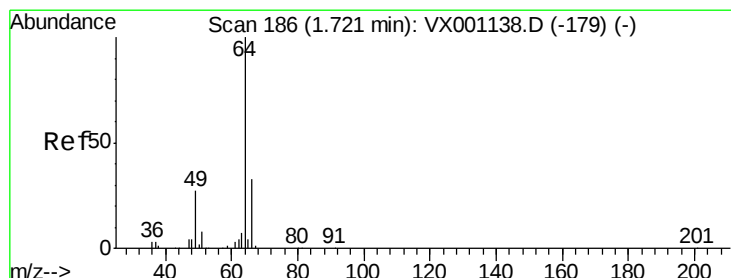
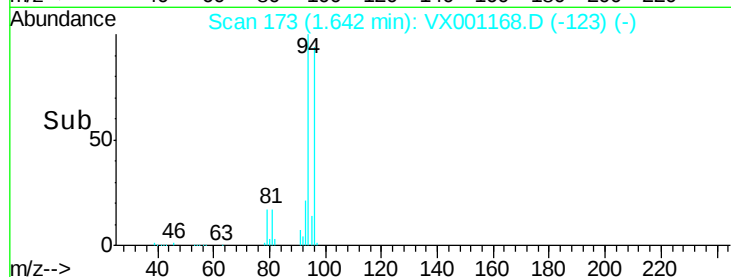
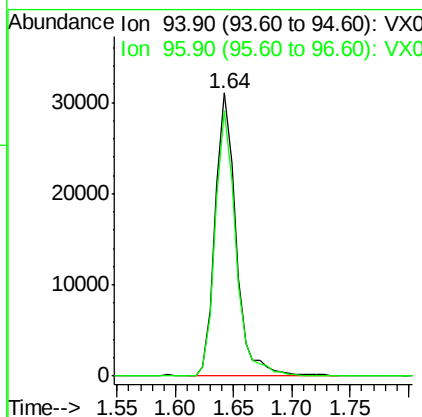
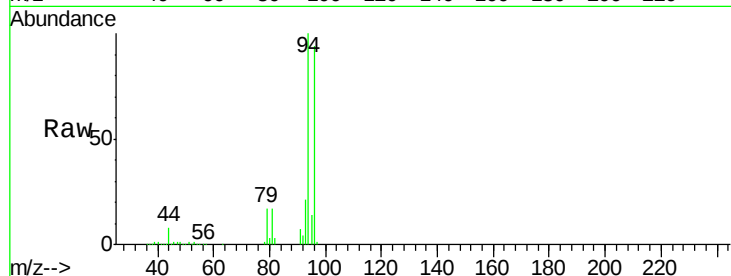
96 93.8 75.3 112.9

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 18.53 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001168.D

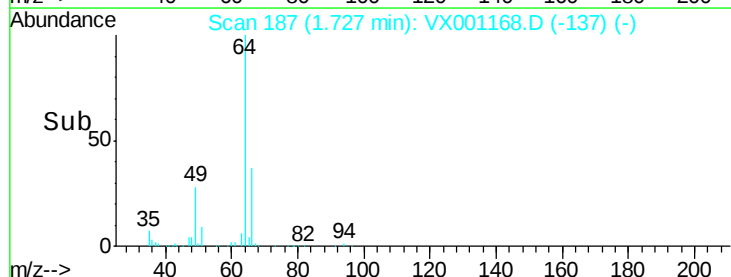
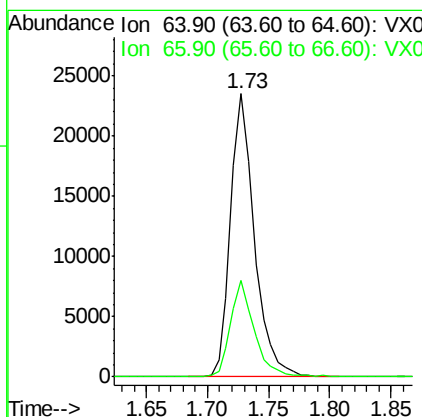
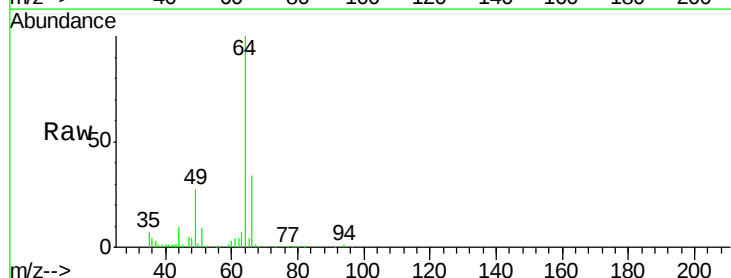
Acq: 27 Apr 2018 14:11

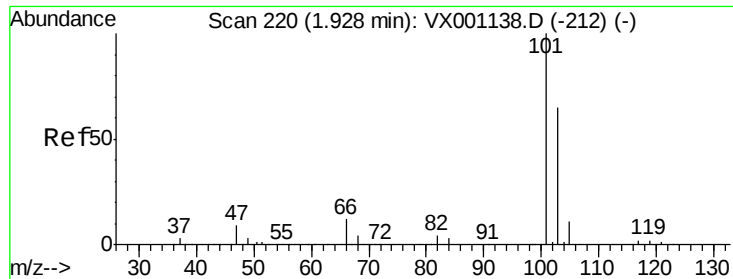
Tgt Ion: 64 Resp: 31793

Ion Ratio Lower Upper

64 100

66 34.2 26.1 39.1





#7

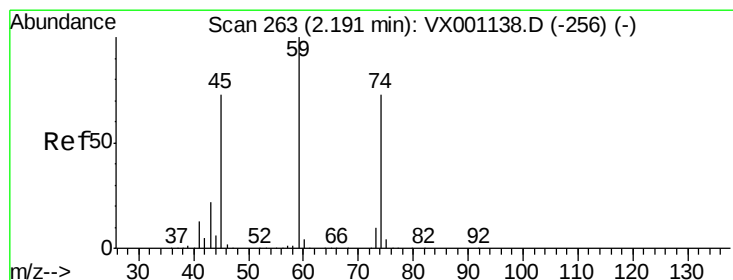
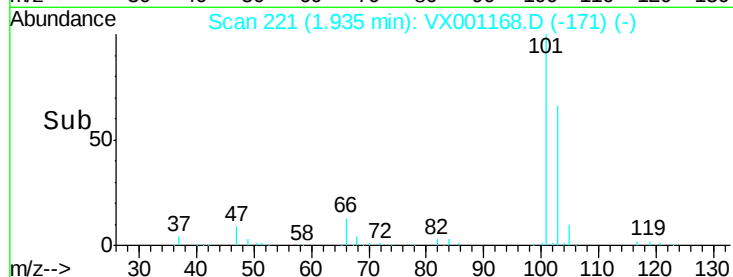
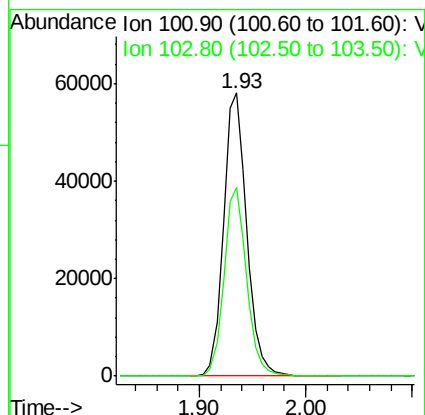
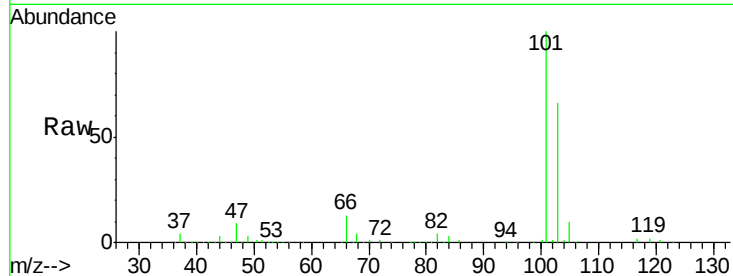
Trichlorofluoromethane
Concen: 19.99 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion:101 Resp: 88013
Ion Ratio Lower Upper
101 100
103 66.4 51.9 77.9

Manual Integrations
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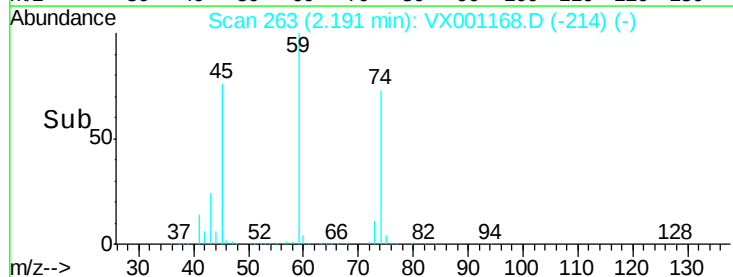
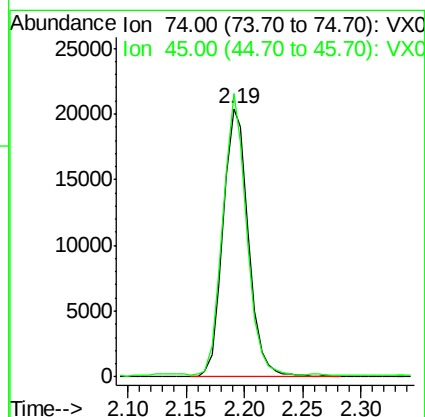
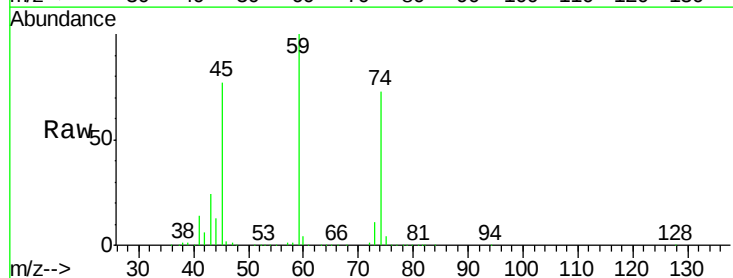
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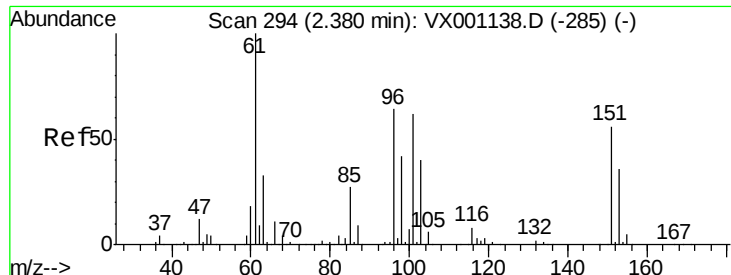


#8

Diethyl Ether
Concen: 18.09 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion: 74 Resp: 30615
Ion Ratio Lower Upper
74 100
45 98.1 49.5 148.7





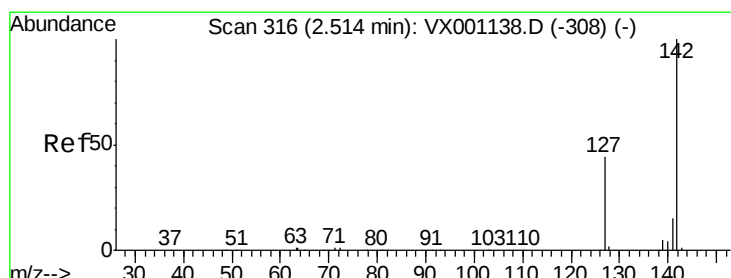
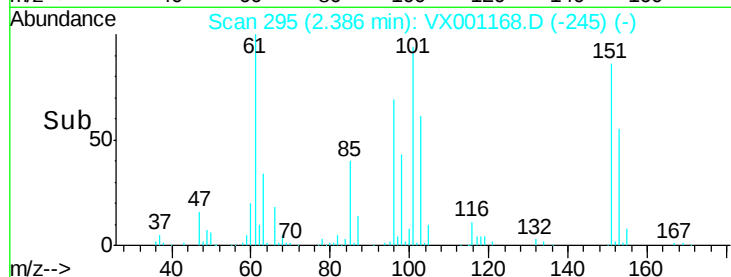
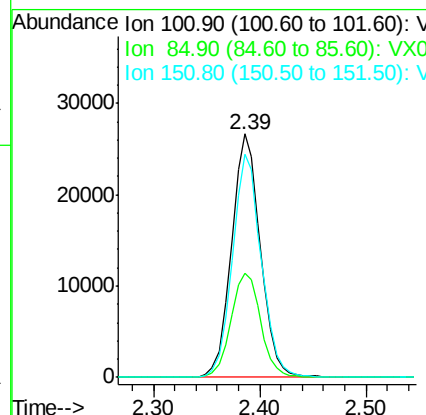
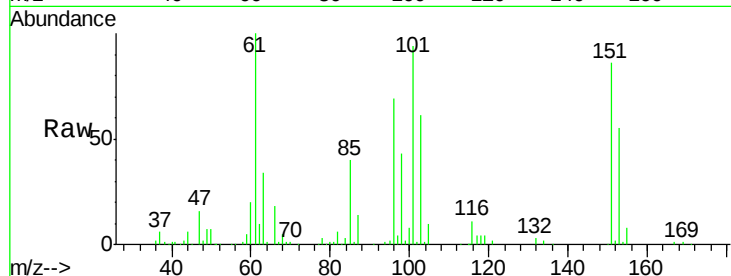
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.82 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.01 min
Lab File: VX001168.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.4	53.0
151	91.6	74.2	111.4

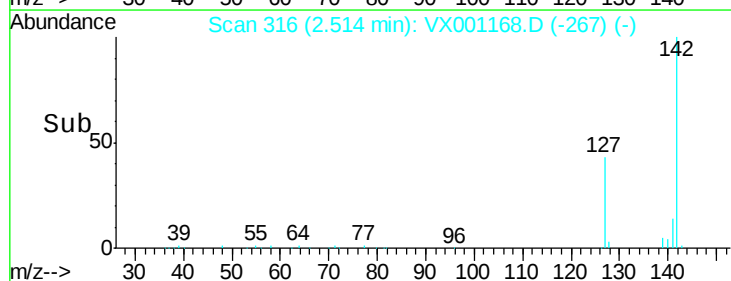
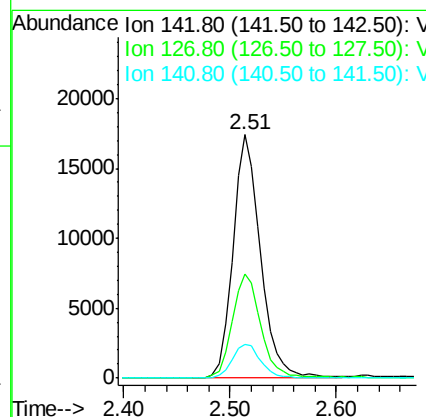
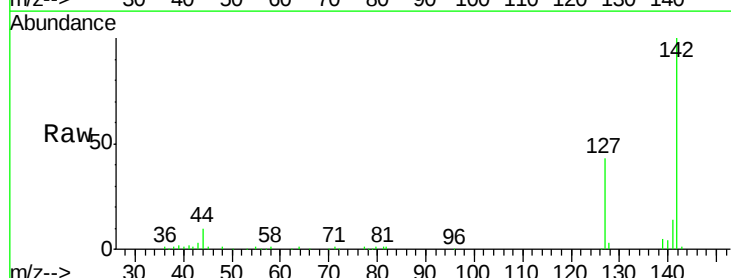
Manual Integrations
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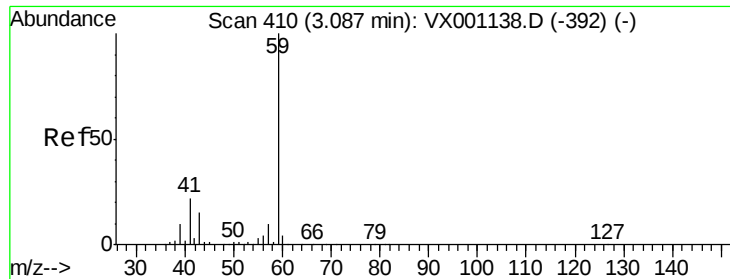
MMDadoda
4/30/2018 6:04:36 PM



#10
Methyl Iodide
Concen: 17.92 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.8	34.7	52.1
141	14.2	11.6	17.4





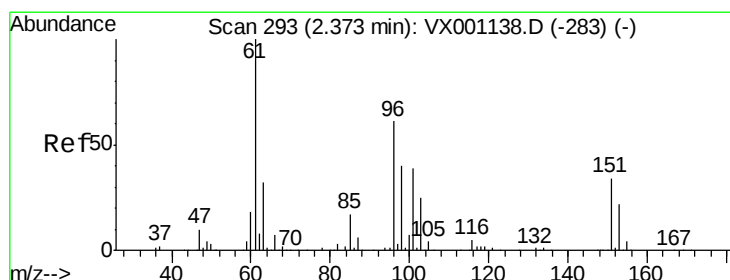
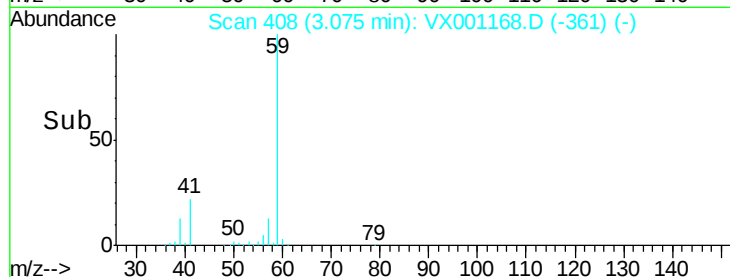
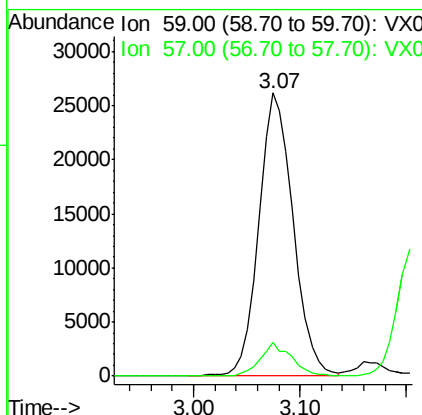
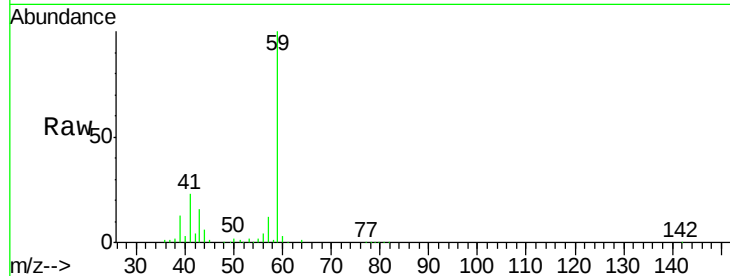
#11
Tert butyl alcohol
Concen: 82.45 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.4

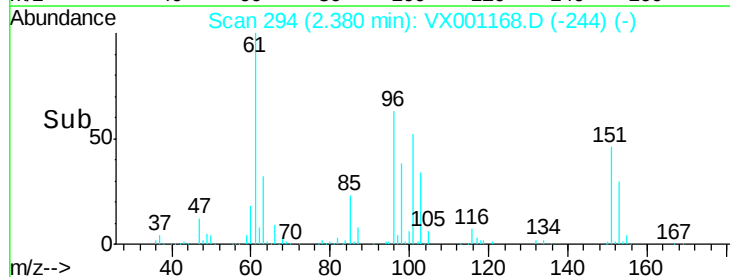
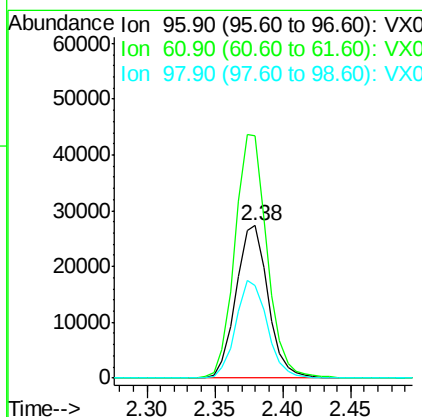
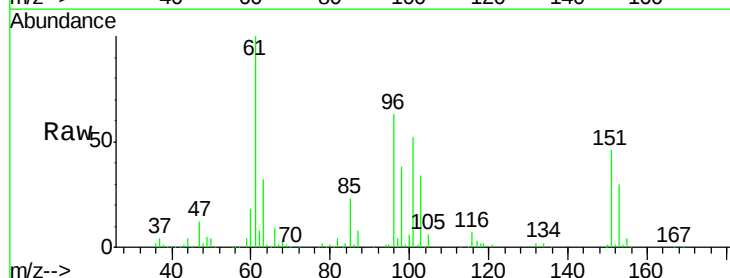
Manual Integrations
APPROVED

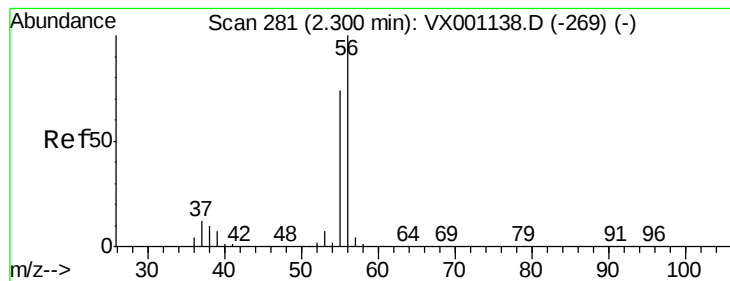
MMDadoda
4/30/2018 6:04:36 PM



#12
1,1-Dichloroethene
Concen: 19.04 ug/l
RT: 2.38 min Scan# 294
Delta R.T. 0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	130.2	195.4
98	60.8	51.5	77.3





#13

Acrolein

Concen: 65.19 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 56 Resp: 17622

Ion Ratio Lower Upper

56 100

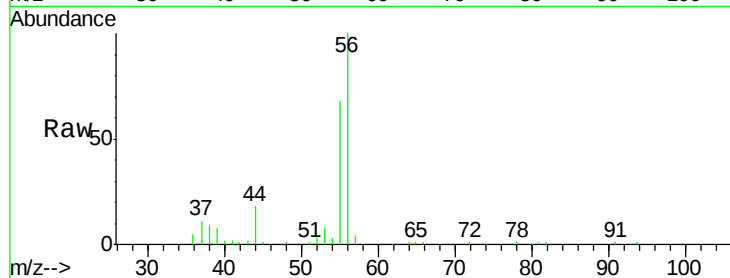
55 75.5 57.2 85.8

Manual Integrations

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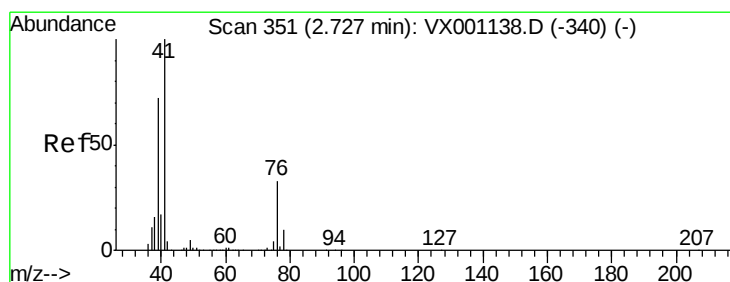
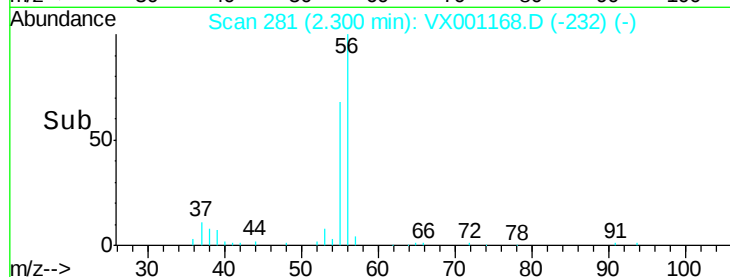
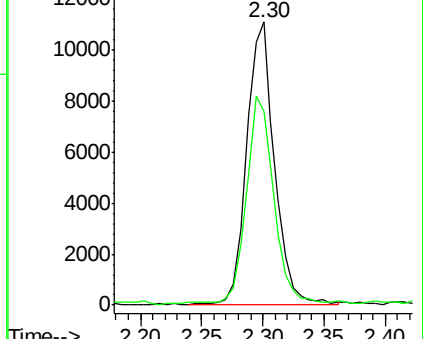
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.79 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

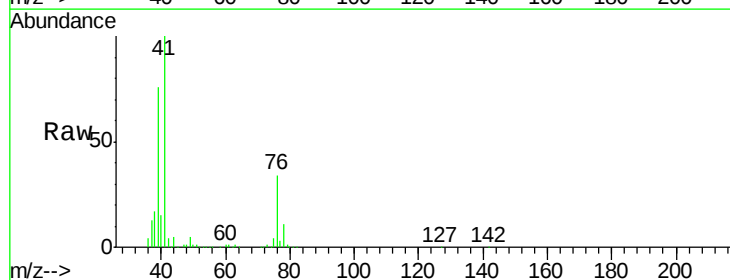
Tgt Ion: 41 Resp: 81100

Ion Ratio Lower Upper

41 100

39 71.5 55.6 83.4

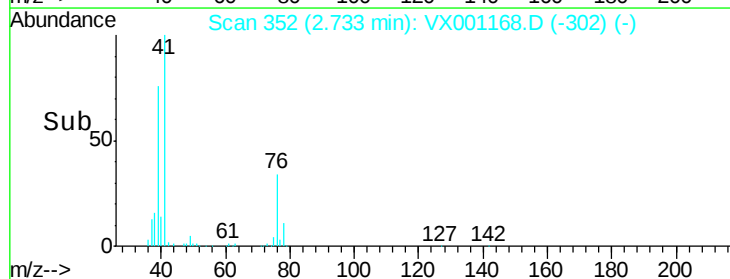
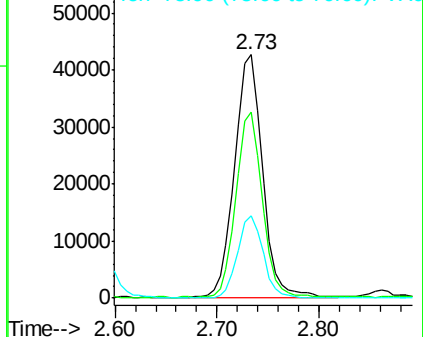
76 31.2 24.8 37.2

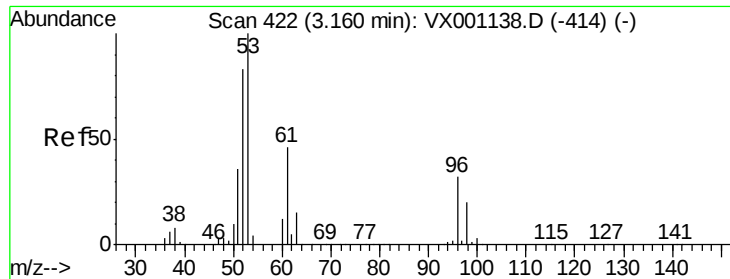


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 83.60 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

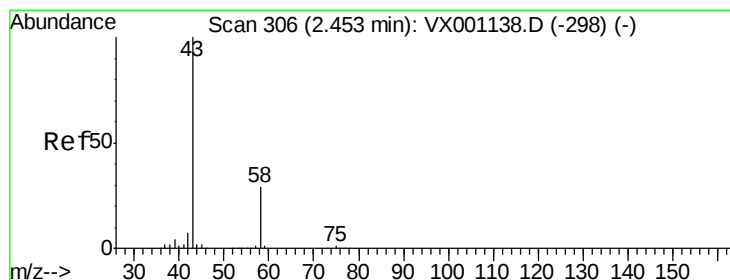
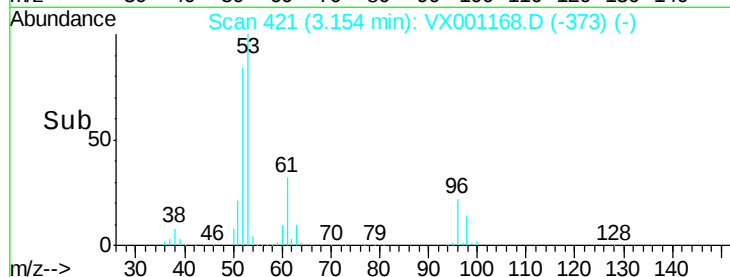
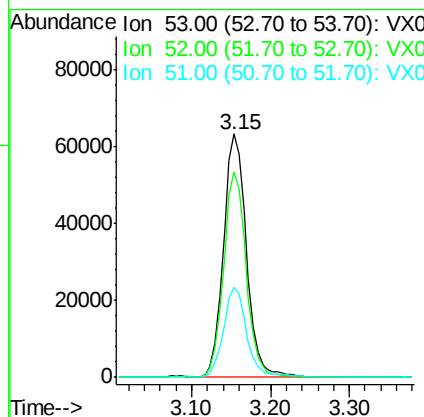
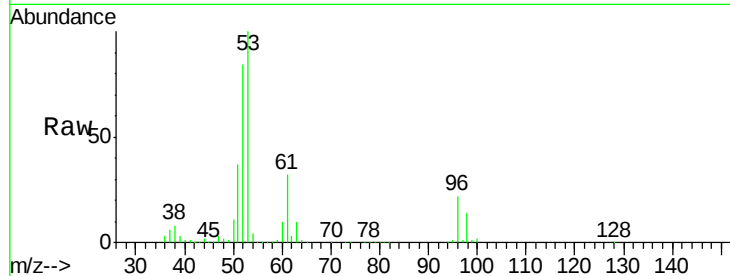
ClientSampleId :

VX0427WBS01

Tot Ion:	53	Resp:	127649
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.5	99.7
51	37.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 87.95 ug/l

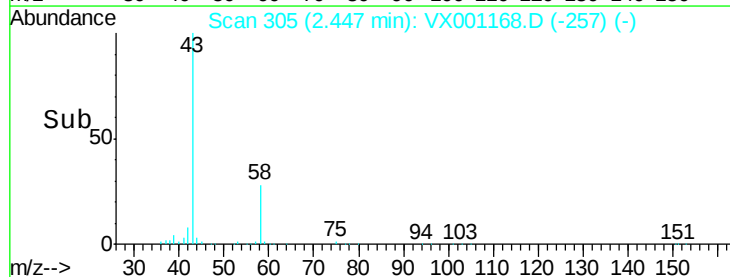
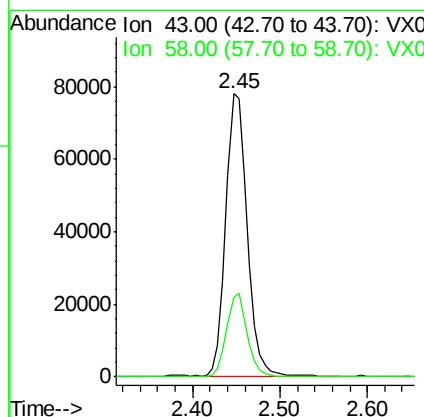
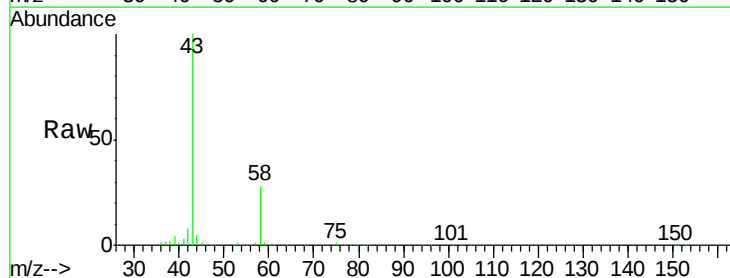
RT: 2.45 min Scan# 305

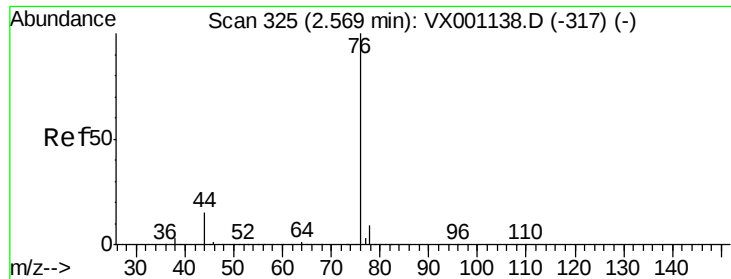
Delta R.T. -0.01 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Tgt Ion:	43	Resp:	131147
Ion Ratio	Lower	Upper	
43	100		
58	28.3	23.0	34.6





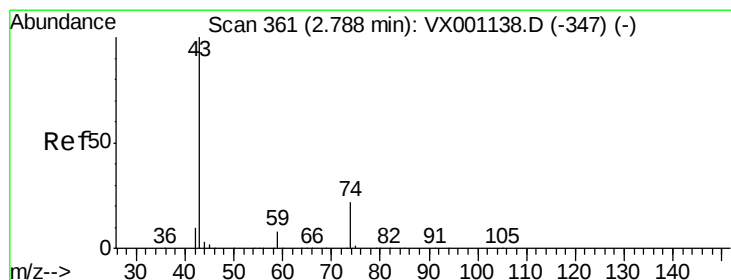
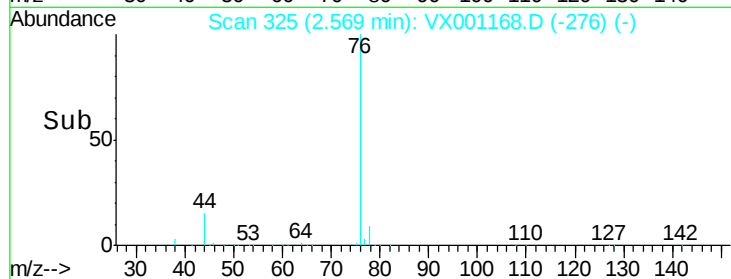
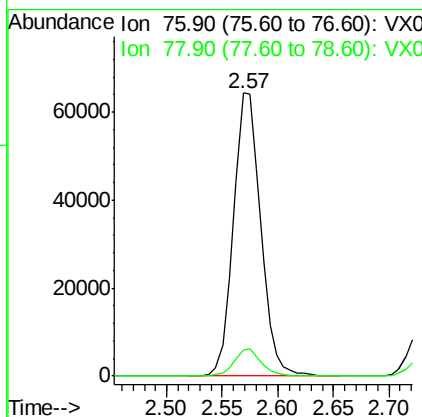
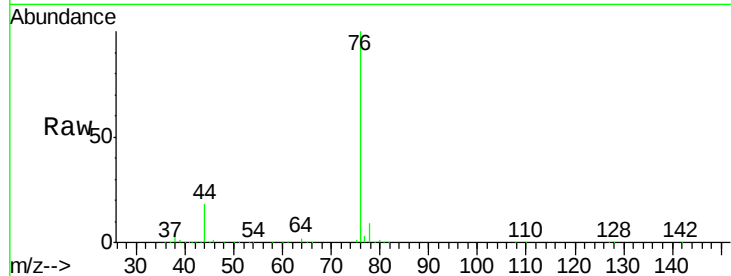
#17
Carbon Disulfide
Concen: 18.09 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

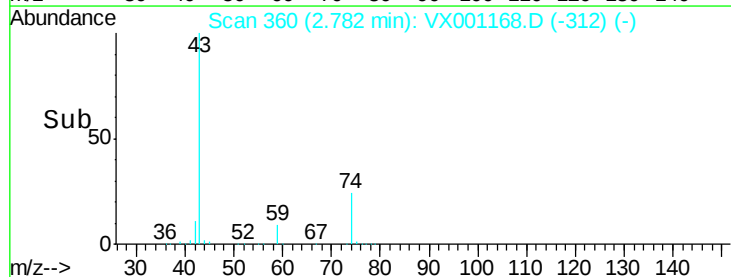
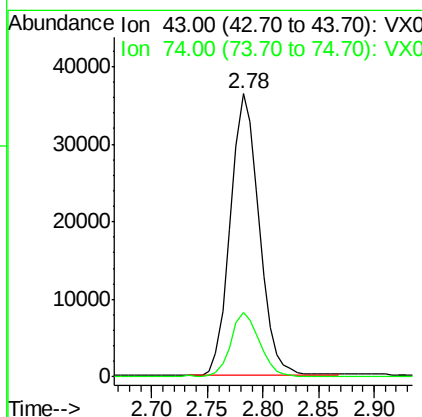
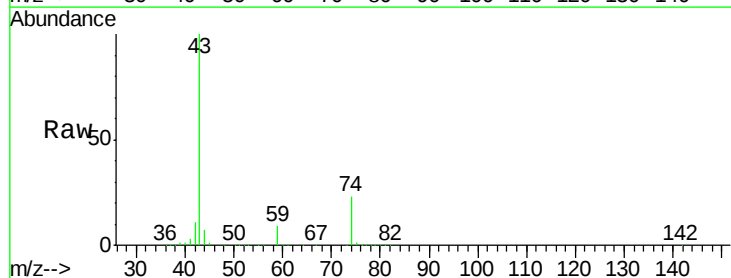
Manual Integrations
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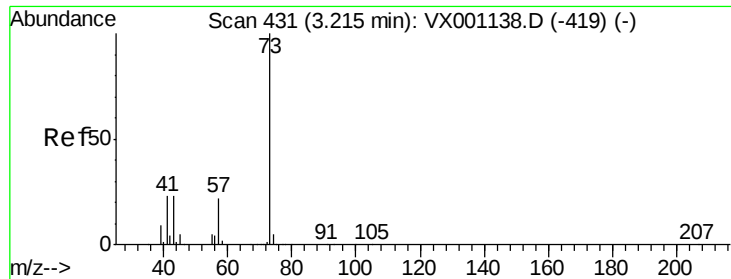
MMDadoda
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#18
Methyl Acetate
Concen: 17.45 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.1	27.1





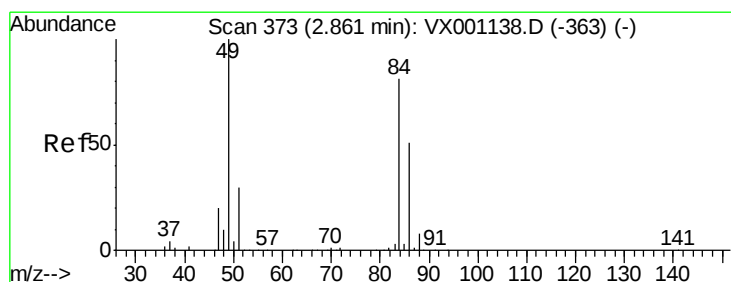
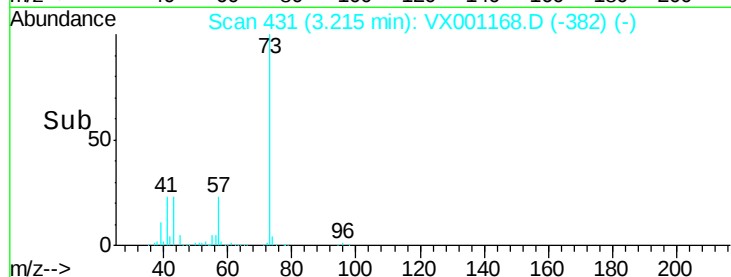
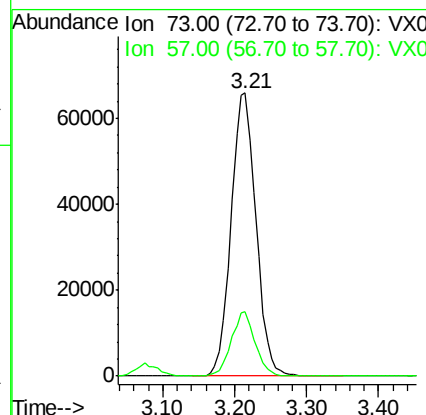
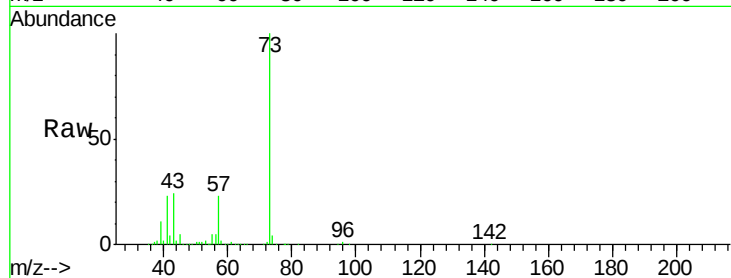
#19
Methvl tert-butvl Ether
Concen: 18.19 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion: 73 Resp: 158423
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5

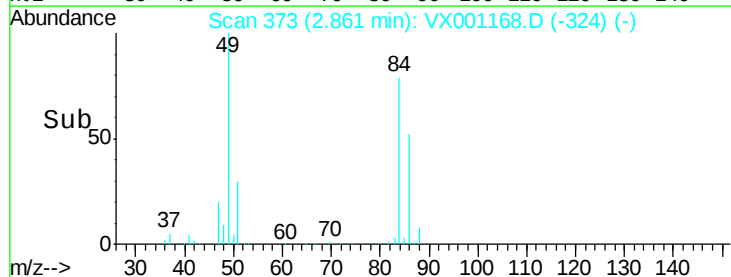
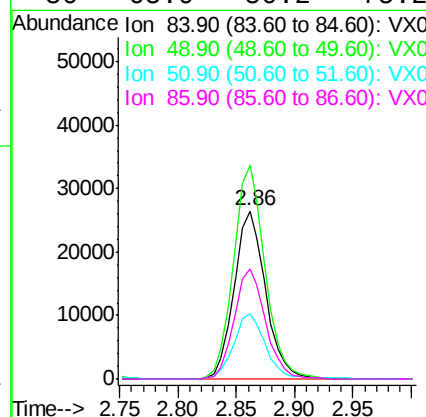
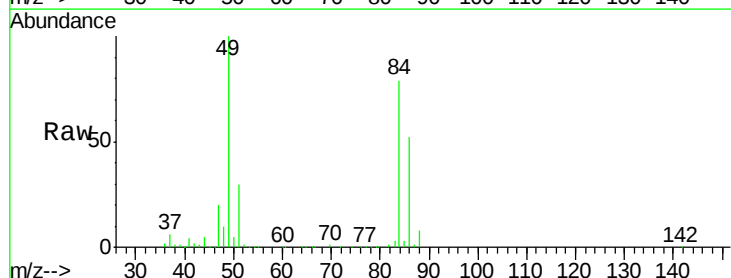
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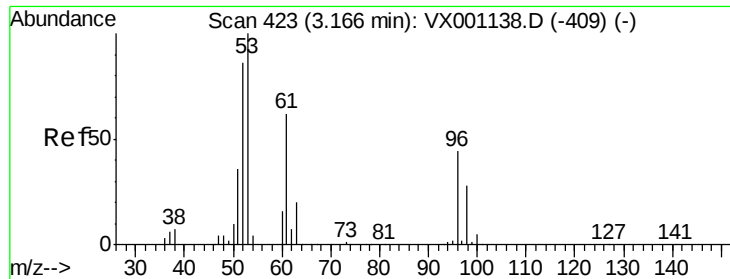
MMDadoda
4/30/2018 6:04:36 PM



#20
Methylene Chloride
Concen: 17.93 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion: 84 Resp: 49799
Ion Ratio Lower Upper
84 100
49 127.3 99.2 148.8
51 38.4 29.5 44.3
86 65.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.40 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

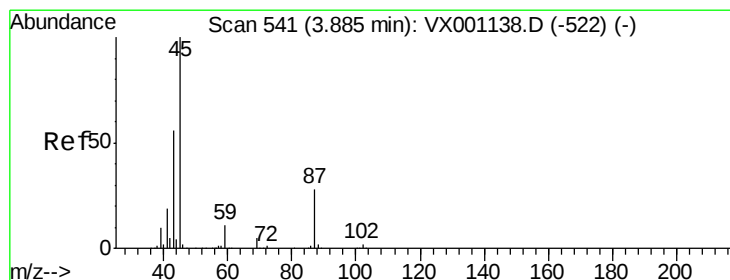
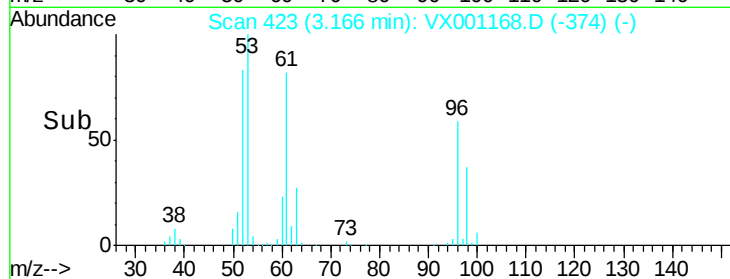
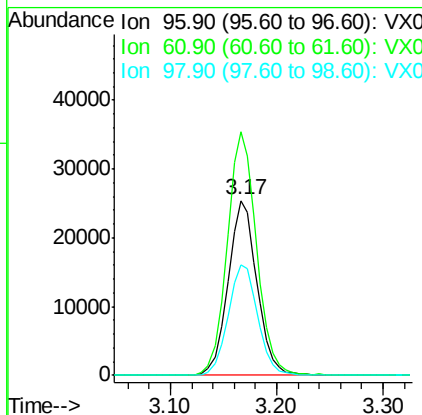
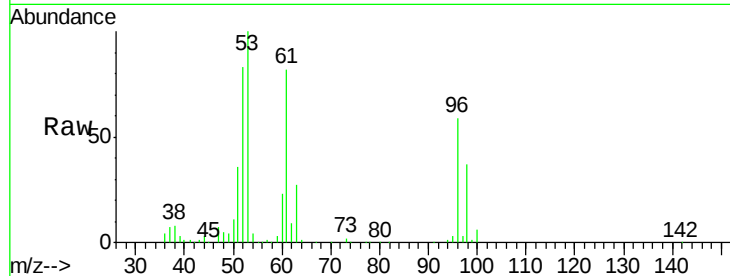
ClientSampleId :

VX0427WBS01

Tot Ion:	96	Resp:	48115
Ion	Ratio	Lower	Upper
96	100		
61	139.1	111.9	167.9
98	62.9	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.72 ug/l

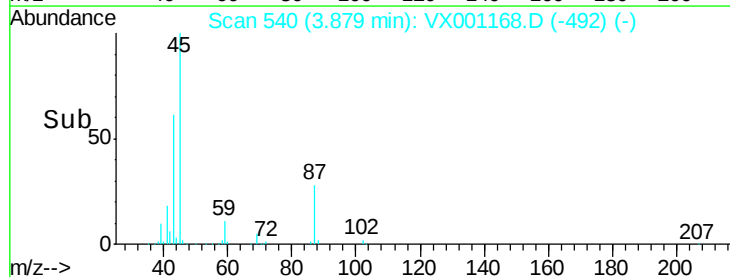
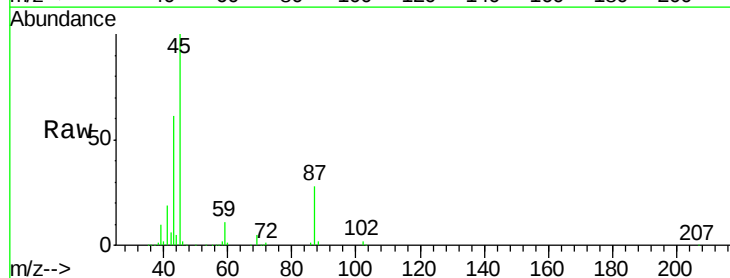
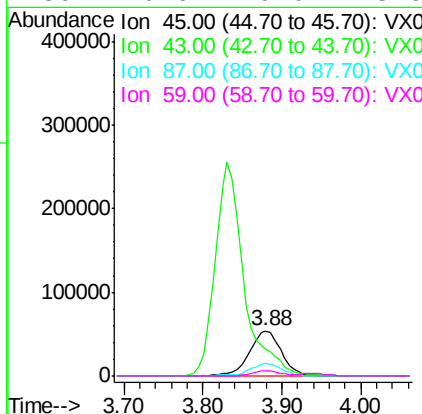
RT: 3.88 min Scan# 540

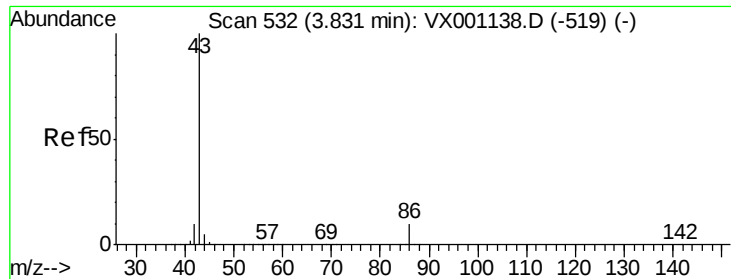
Delta R.T. -0.01 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Tgt Ion:	45	Resp:	152992
Ion	Ratio	Lower	Upper
45	100		
43	59.5	45.0	67.4
87	28.4	22.8	34.2
59	10.6	9.0	13.6





#23

Vinyl Acetate

Concen: 89.05 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 43 Resp: 652298

Ion Ratio Lower Upper

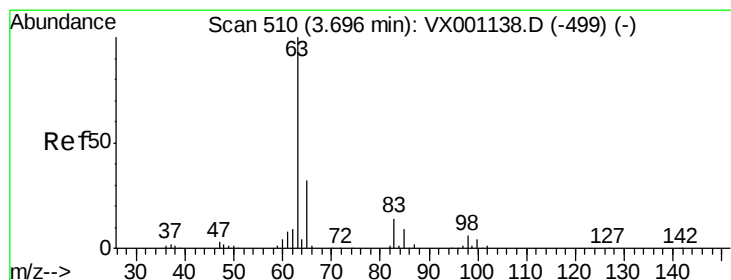
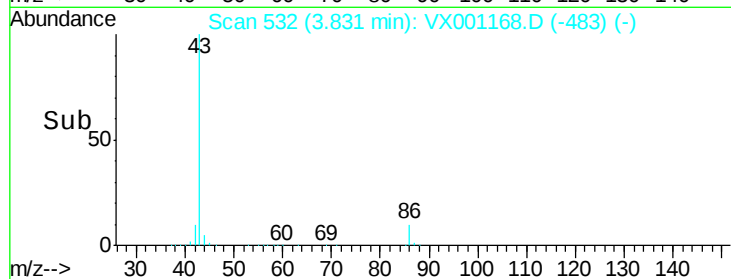
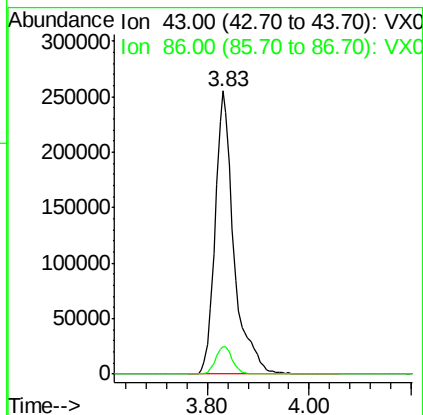
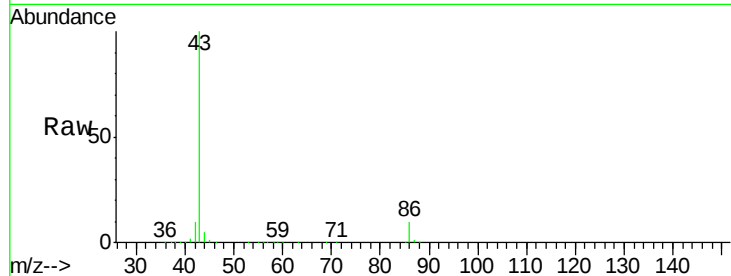
43 100

86 9.7 8.0 12.0

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#24

1,1-Dichloroethane

Concen: 18.06 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

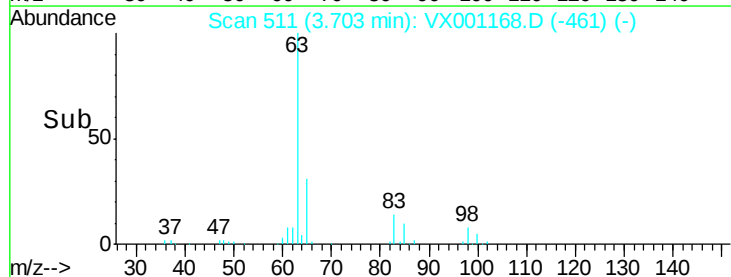
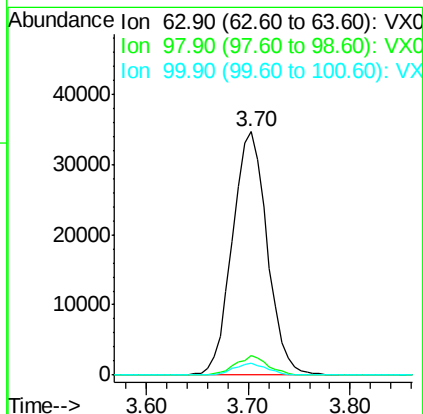
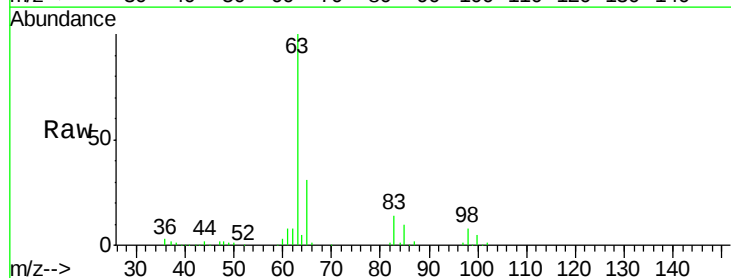
Tgt Ion: 63 Resp: 81967

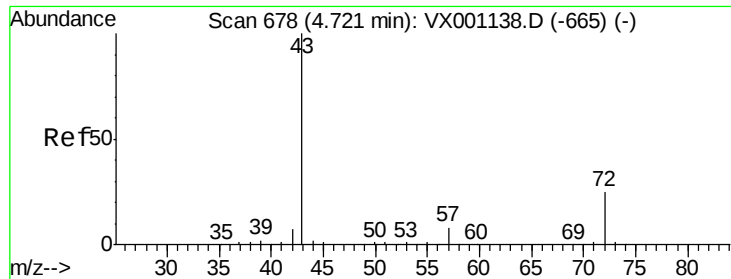
Ion Ratio Lower Upper

63 100

98 7.9 3.1 9.4

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 82.51 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 43 Resp: 184086

Ion Ratio Lower Upper

43 100

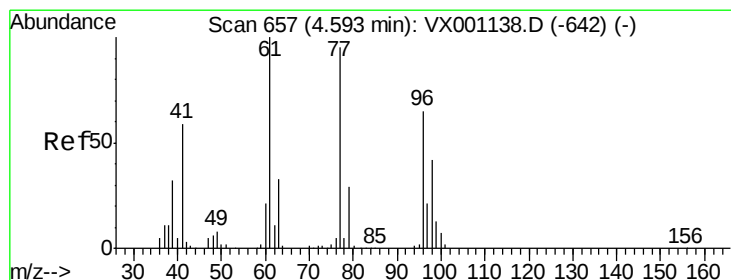
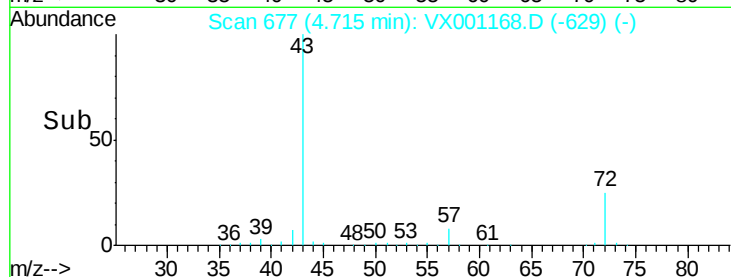
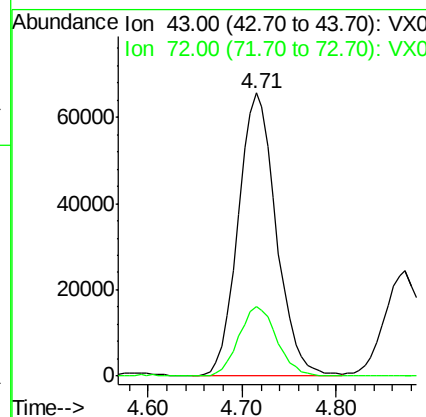
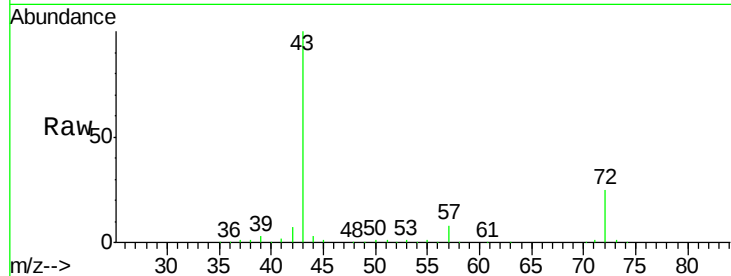
72 24.6 20.0 30.0

Manual Integrations

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4/30/2018 6:04:36 PM



#26

2,2-Dichloropropane

Concen: 18.45 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001168.D

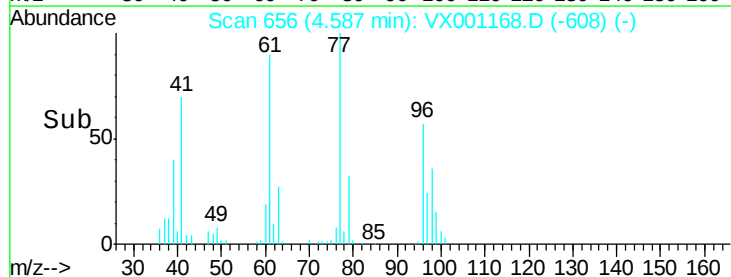
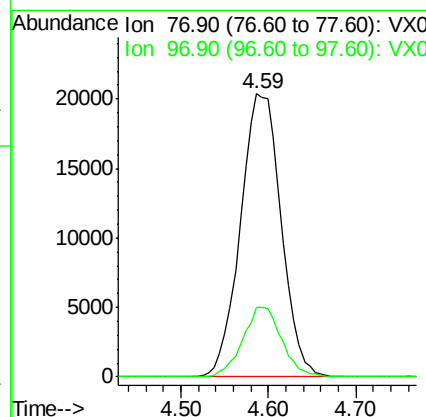
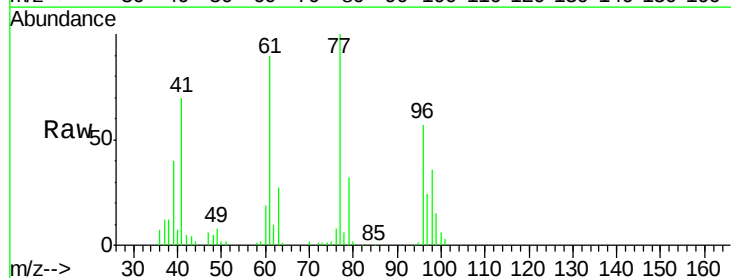
Acq: 27 Apr 2018 14:11

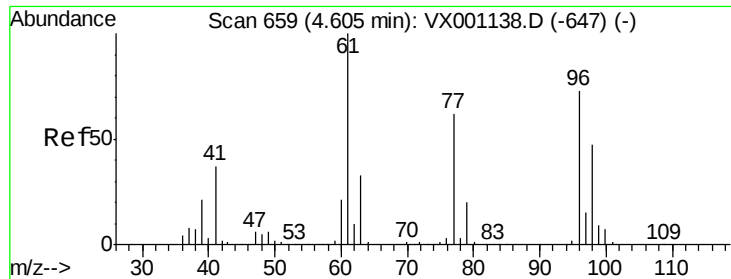
Tgt Ion: 77 Resp: 65896

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 18.59 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001168.D

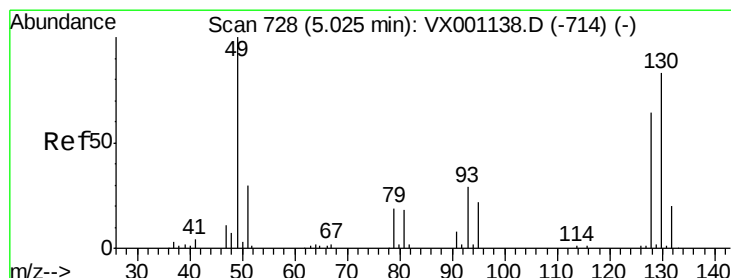
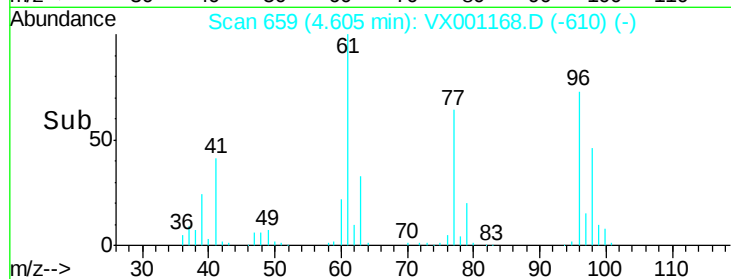
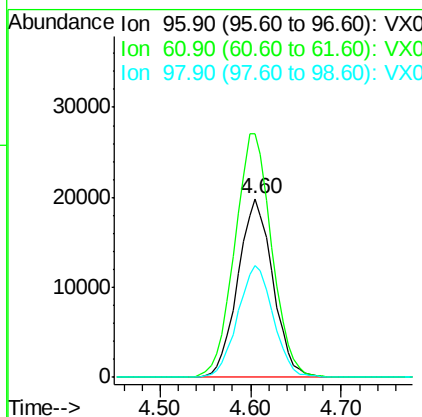
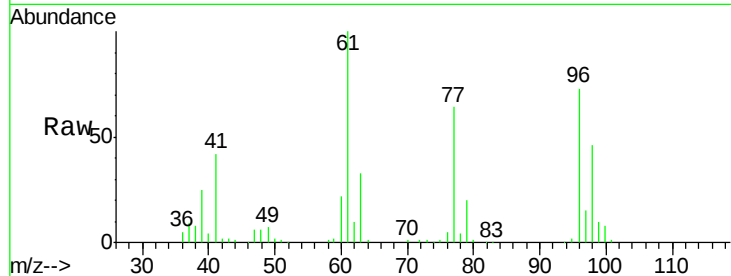
Acq: 27 Apr 2018 14:11

Tot Ion:	96	Resp:	53218
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	289.0
98	63.7	0.0	128.2

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Manual Integrations
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#28

Bromochloromethane

Concen: 19.13 ug/l

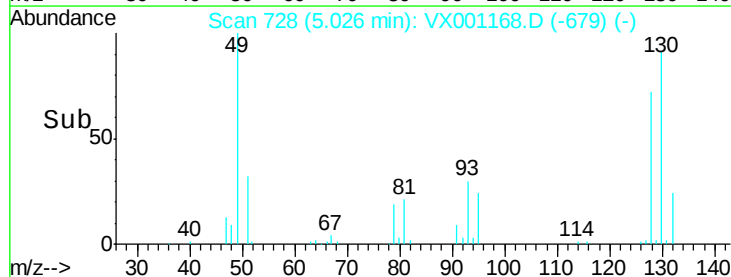
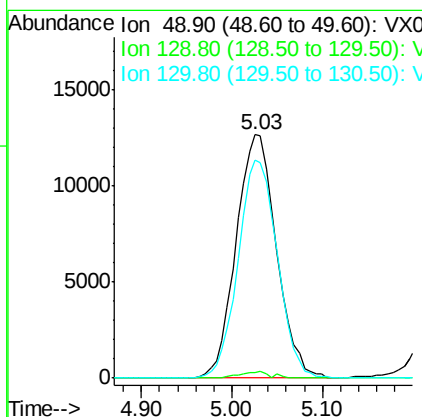
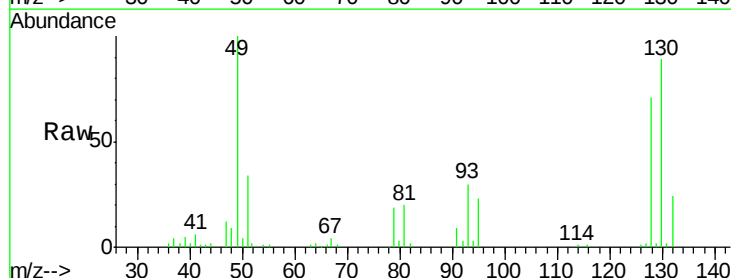
RT: 5.03 min Scan# 728

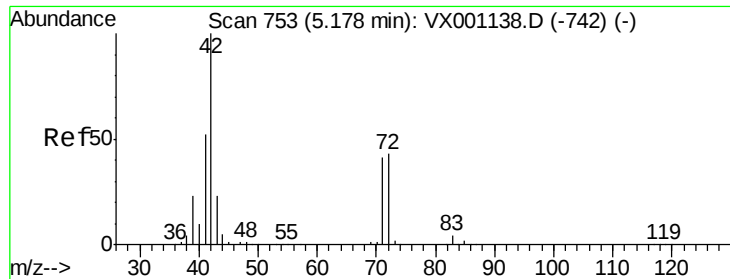
Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Tgt Ion:	49	Resp:	38915
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	87.4	68.2	102.2





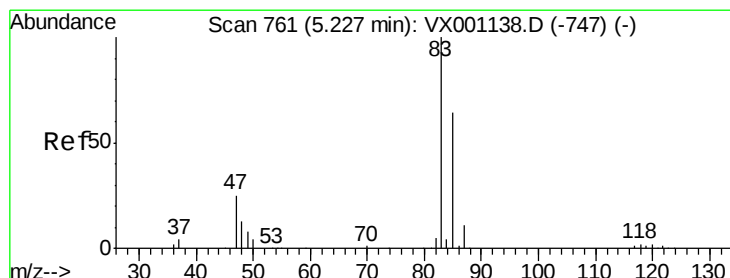
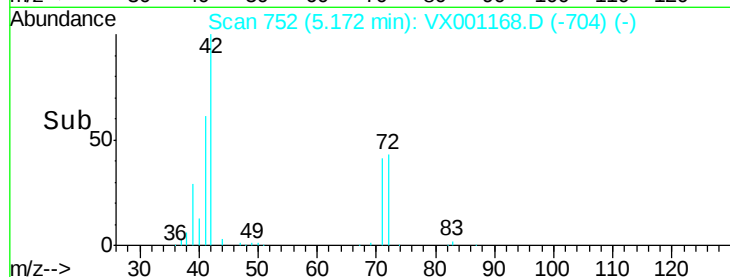
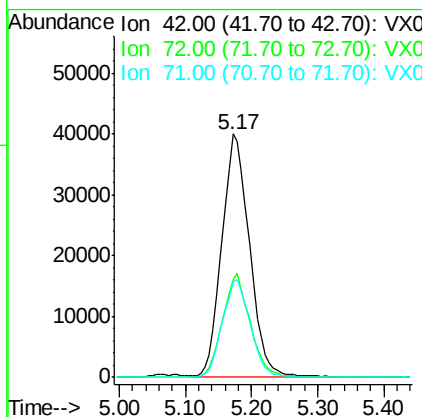
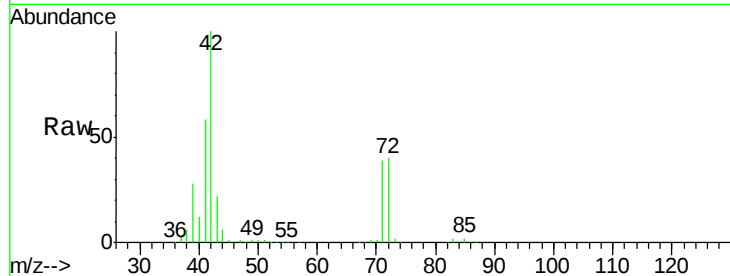
#29
Tetrahydrofuran
Concen: 80.29 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.4	51.6
71	40.5	32.1	48.1

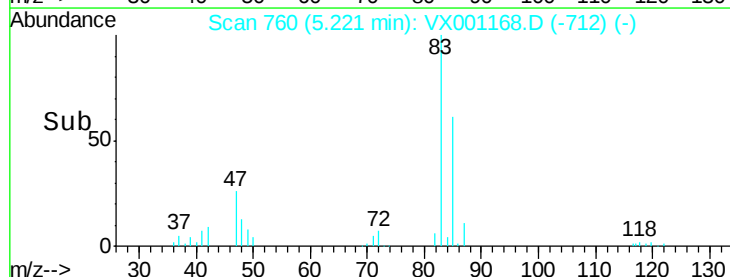
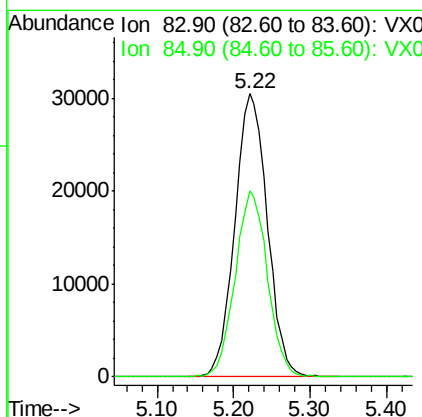
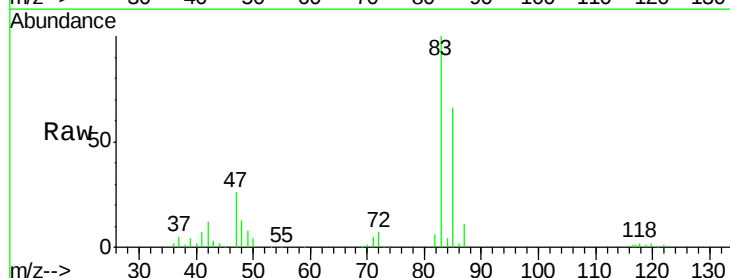
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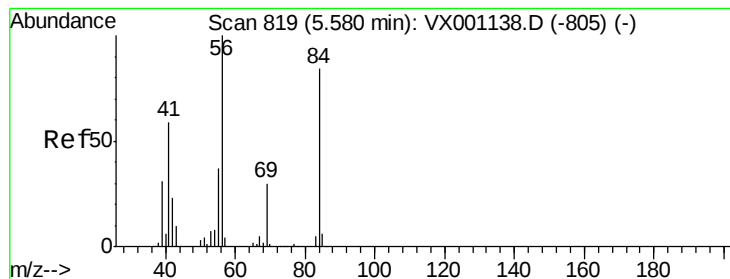
MMDadoda
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#30
Chloroform
Concen: 18.63 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.4	77.0





#31

Cyclohexane

Concen: 19.80 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 56 Resp: 76332

Ion Ratio Lower Upper

56 100

69 29.4 24.2 36.2

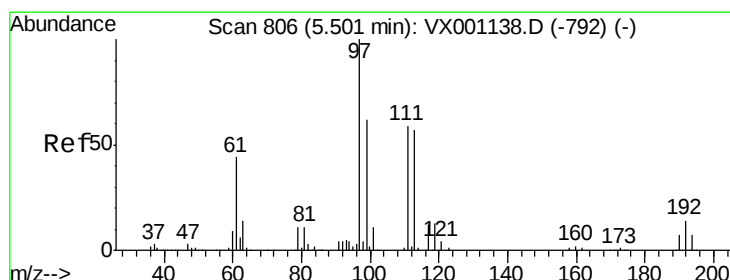
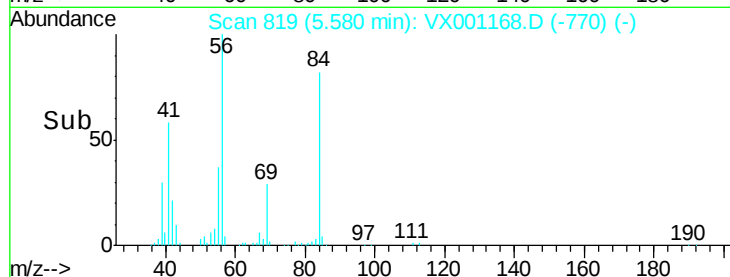
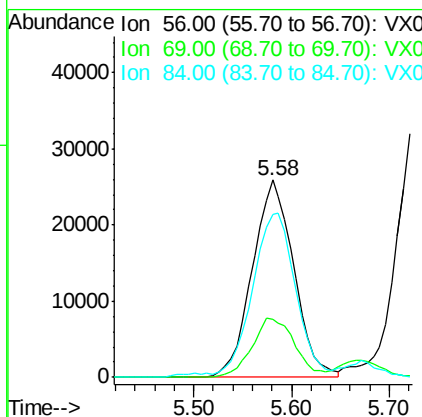
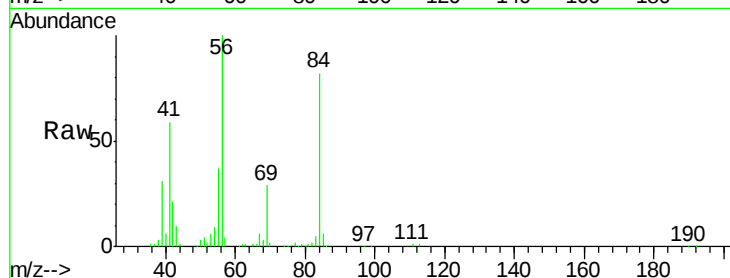
84 80.9 67.5 101.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.79 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

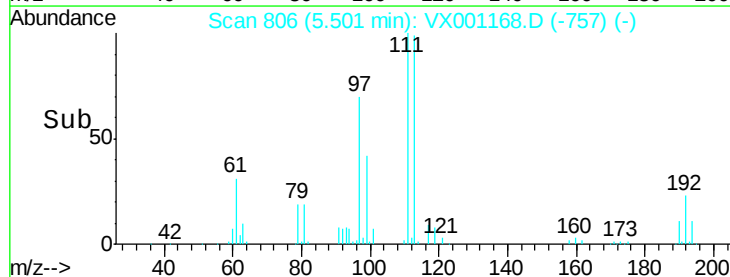
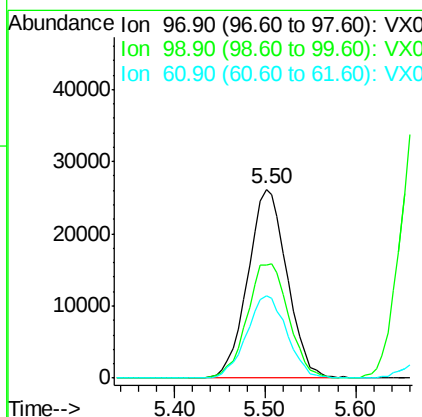
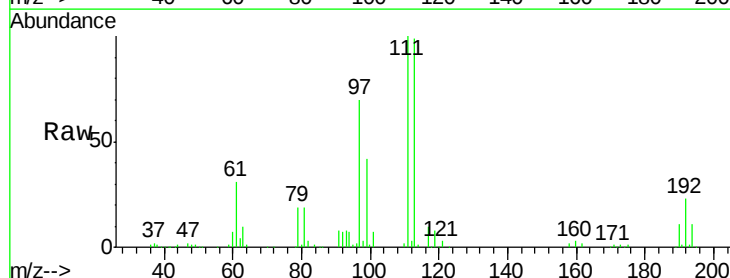
Tgt Ion: 97 Resp: 78274

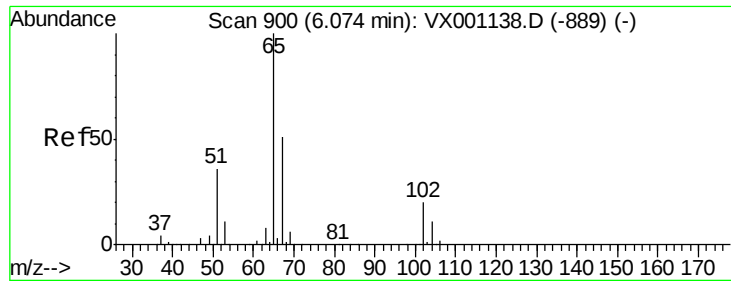
Ion Ratio Lower Upper

97 100

99 63.7 50.9 76.3

61 44.8 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 40.35 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Tot Ion: 65 Resp: 146297

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.2

Instrument :

MSVOA_X

ClientSampleId :

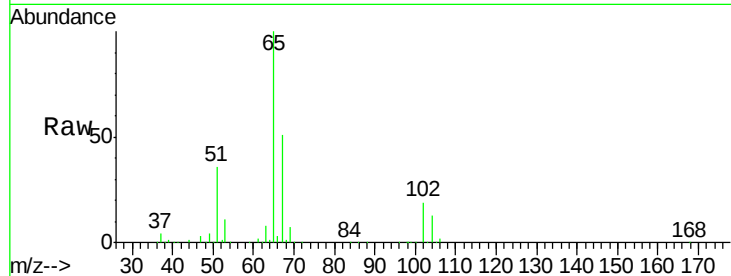
VX0427WBS01

Manual Integrations

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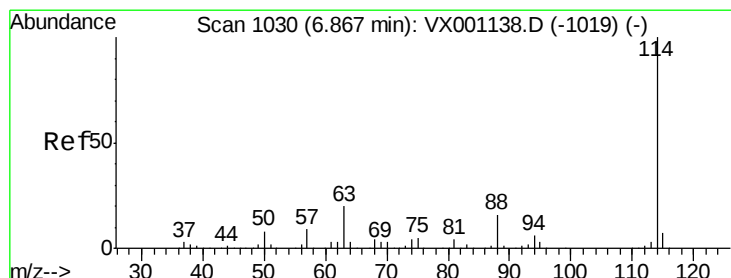
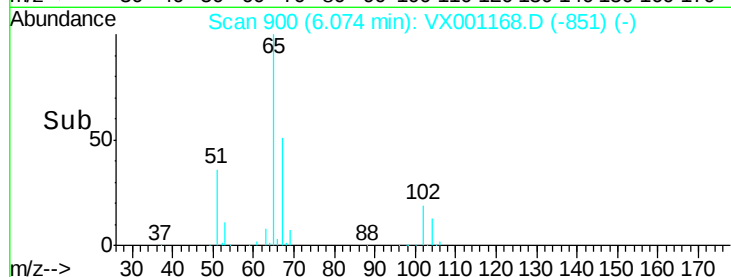
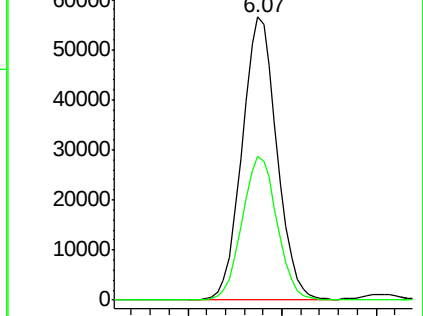
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

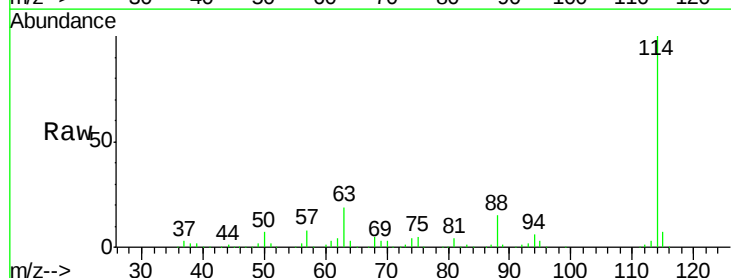
Tgt Ion: 114 Resp: 305460

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.4

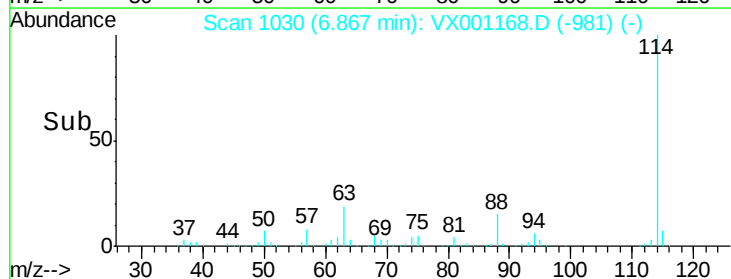
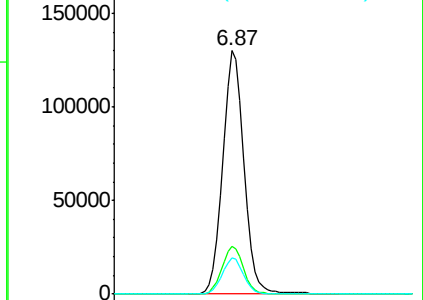
88 14.8 0.0 31.8

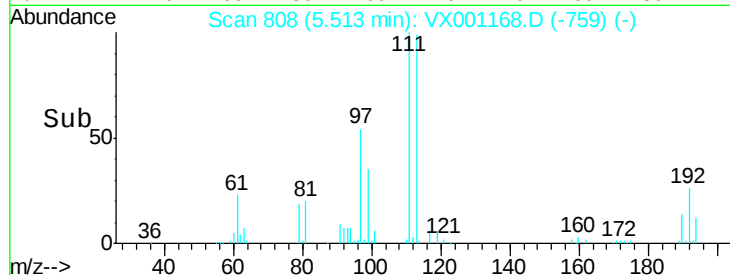
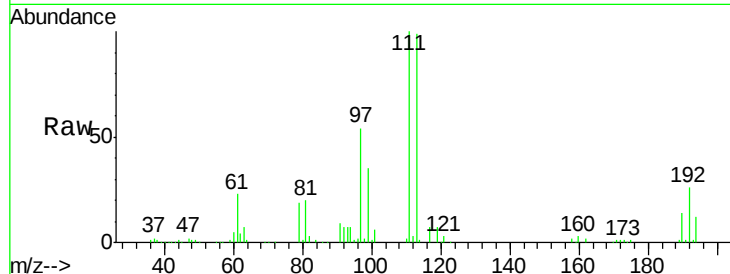
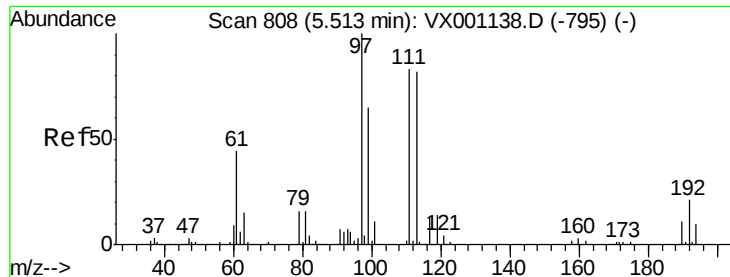


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





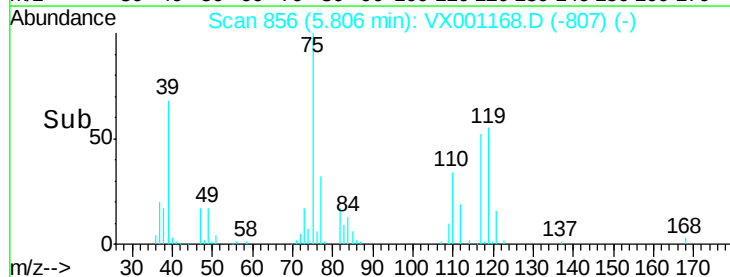
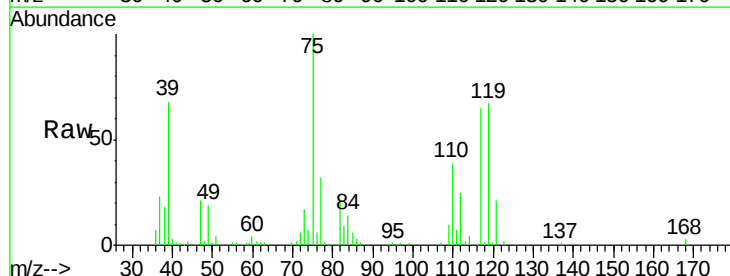
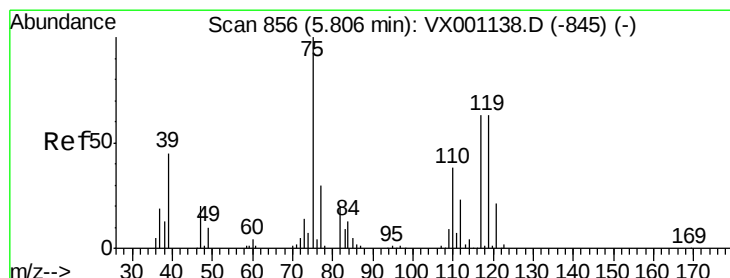
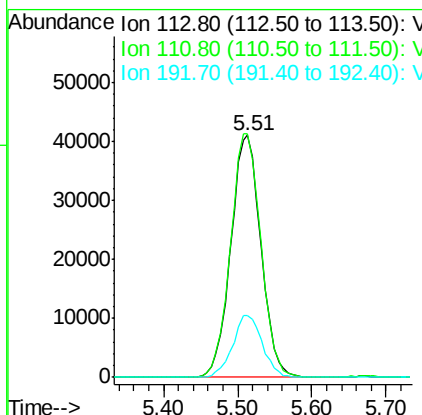
#35
Dibromofluoromethane
Concen: 45.94 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116153		
111	101.3	82.2	123.4	
192	25.4	20.6	30.8	

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

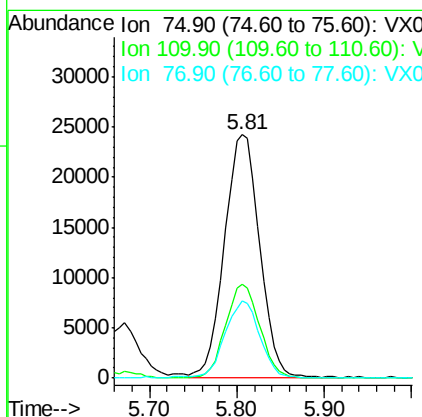
Manual Integrations
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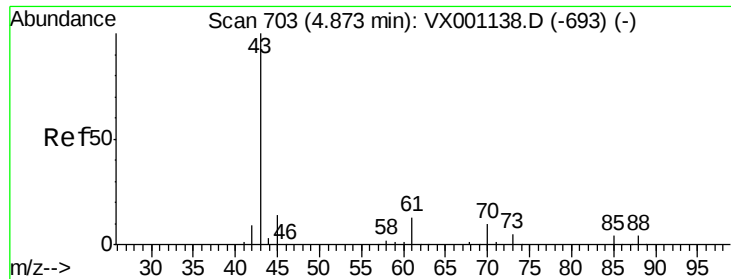
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#36
1,1-Dichloropropene
Concen: 20.04 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67462		
110	37.9	19.0	57.0	
77	31.4	24.8	37.2	





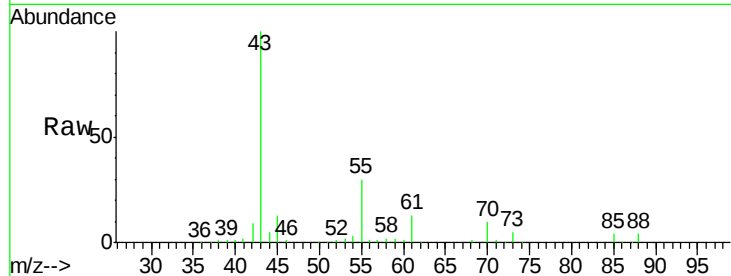
#37
Ethyl Acetate
Concen: 17.33 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

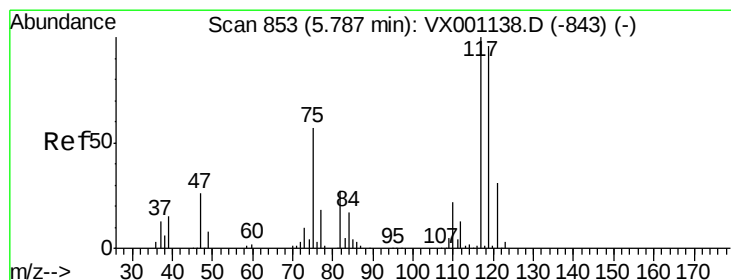
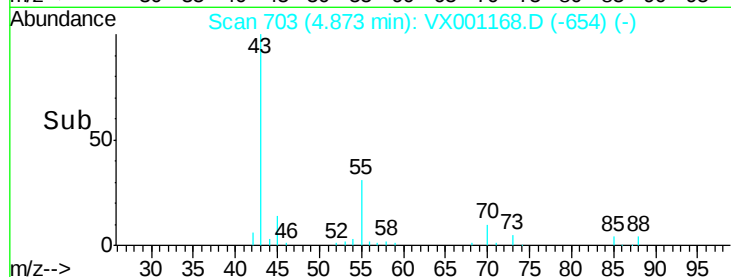
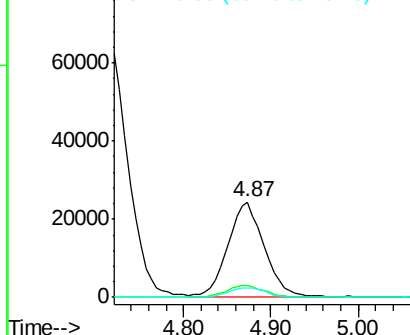
Tot Ion:	43	Resp:	69858
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.6
70	10.3	8.2	12.2

Manual Integrations
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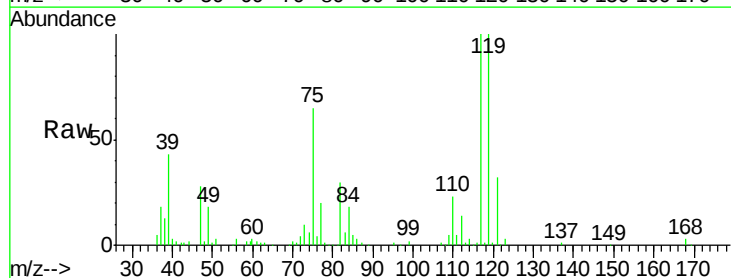


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

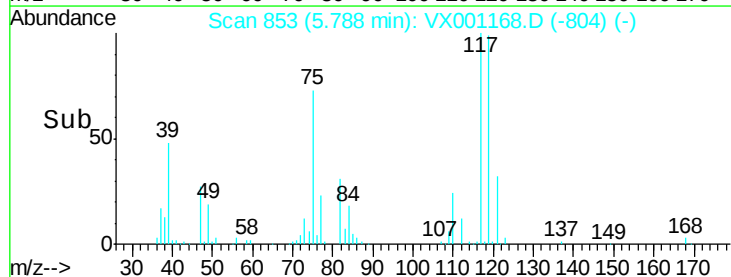
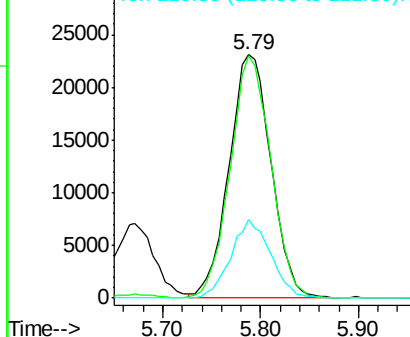


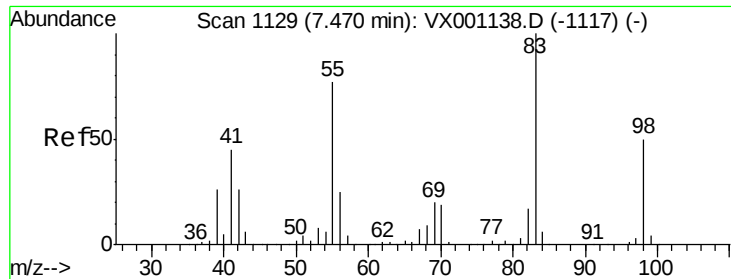
#38
Carbon Tetrachloride
Concen: 19.77 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion:	117	Resp:	68229
Ion	Ratio	Lower	Upper
117	100		
119	99.6	76.5	114.7
121	32.3	24.6	37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





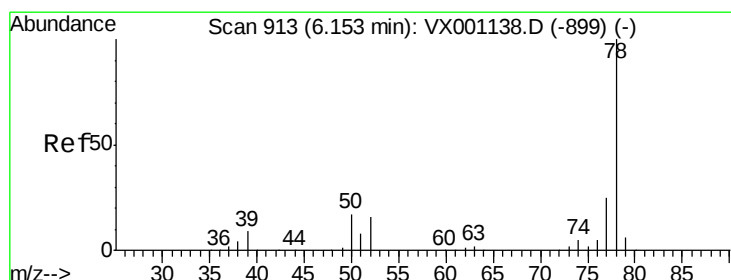
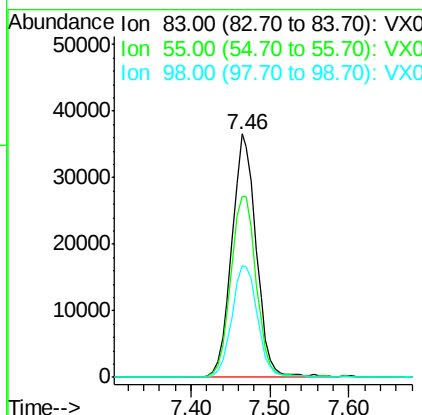
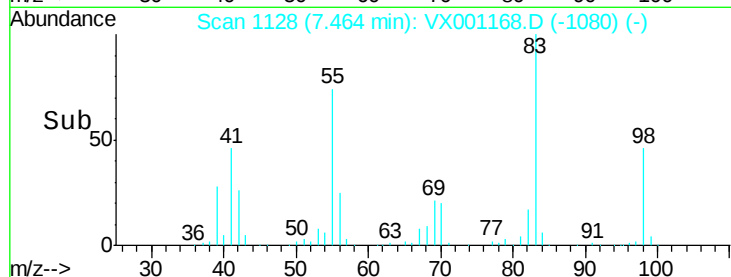
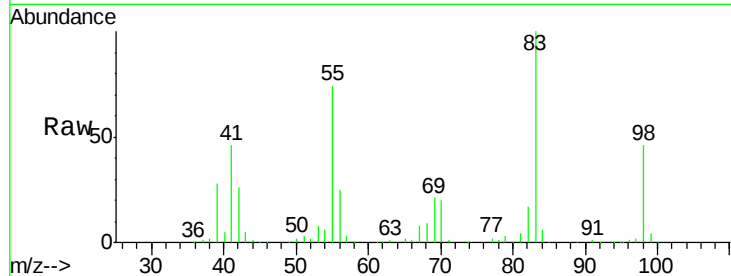
#39
Methvlcvclohexane
Concen: 21.30 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.8	92.6
98	46.1	40.0	60.0

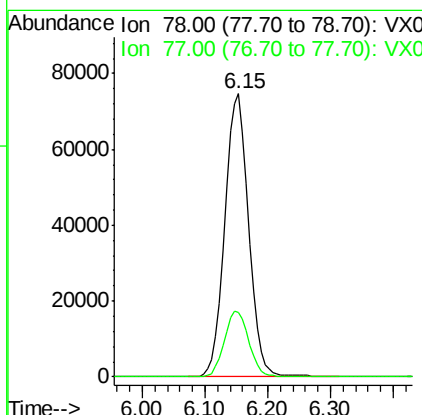
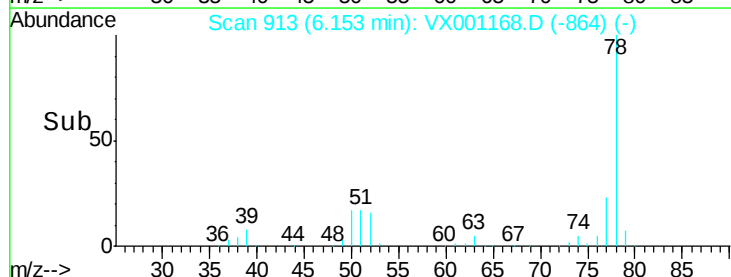
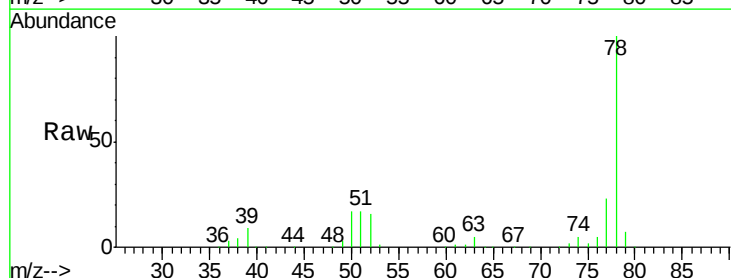
Manual Integrations
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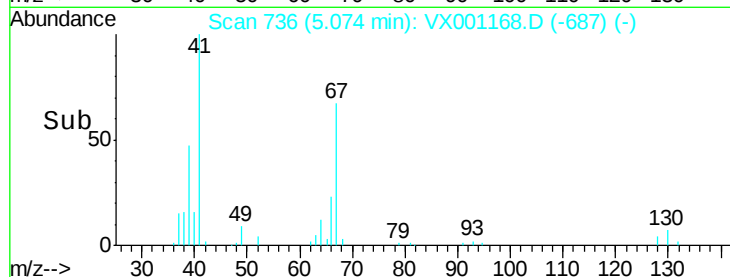
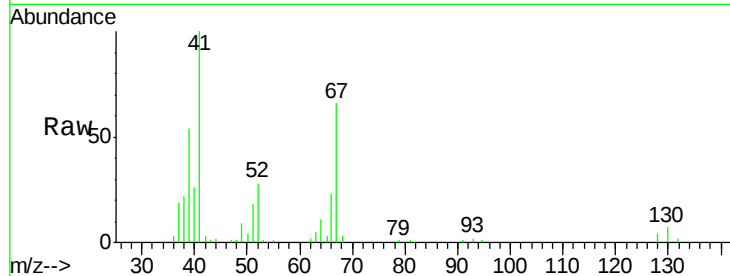
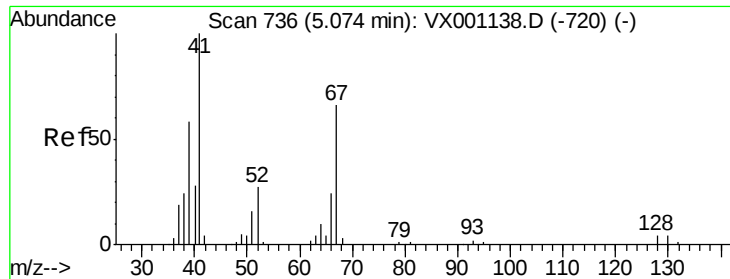
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#40
Benzene
Concen: 20.20 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.7	29.5





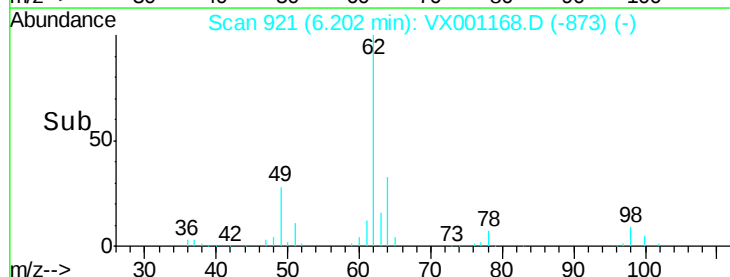
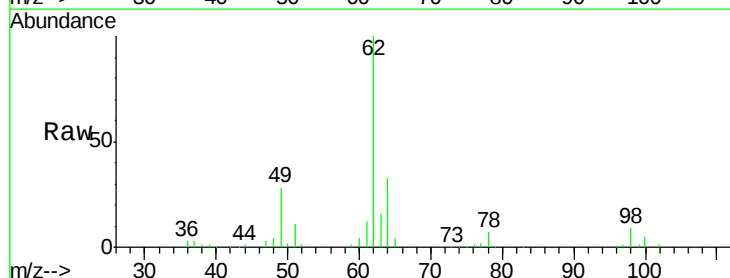
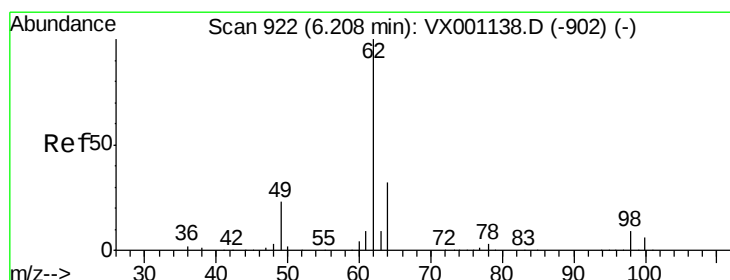
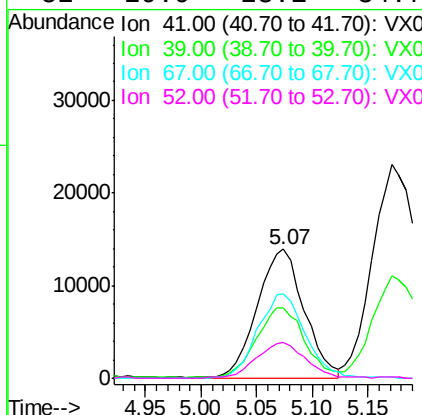
#41
Methacrylonitrile
Concen: 17.80 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	56.1	45.9	68.9	
67	67	67.7	53.2	79.8	
52	52	29.9	23.1	34.7	

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

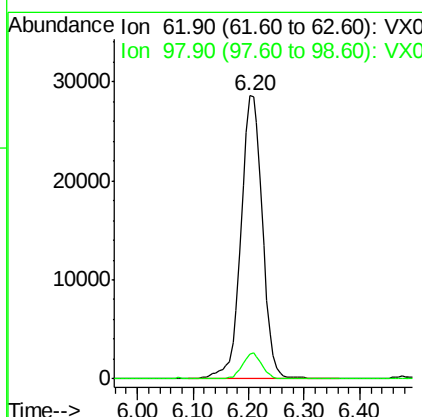
Manual Integrations
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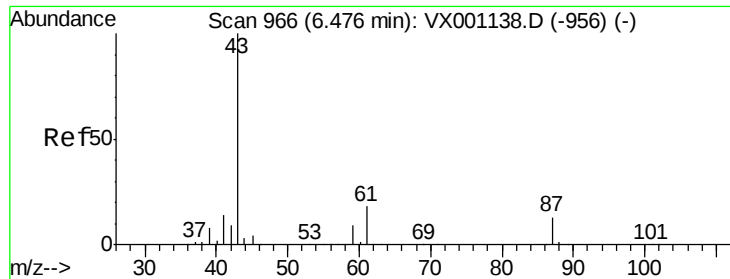
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4/30/2018 6:04:36 PM



#42
1,2-Dichloroethane
Concen: 19.51 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	8.3	0.0	17.0	





#43

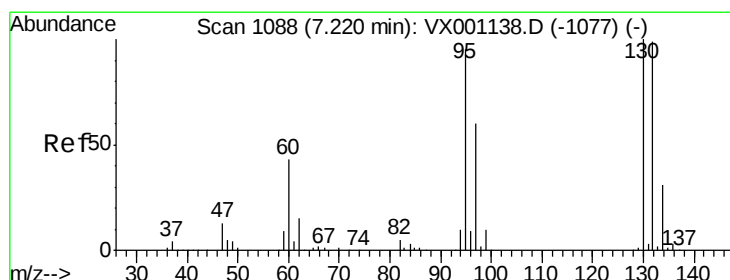
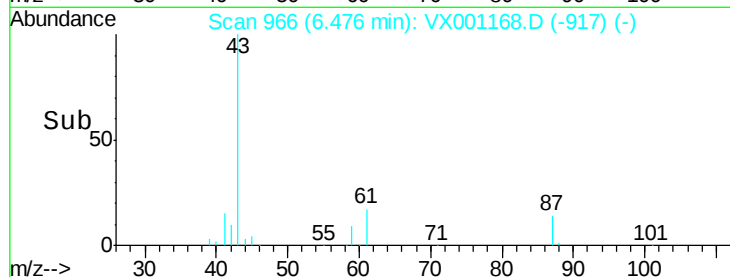
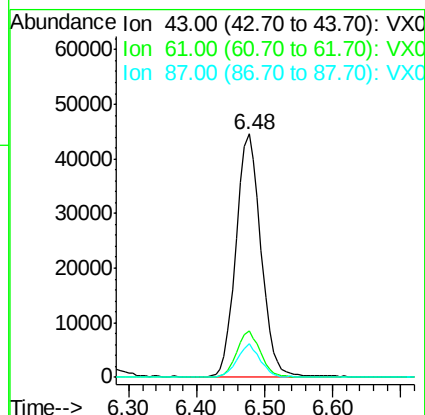
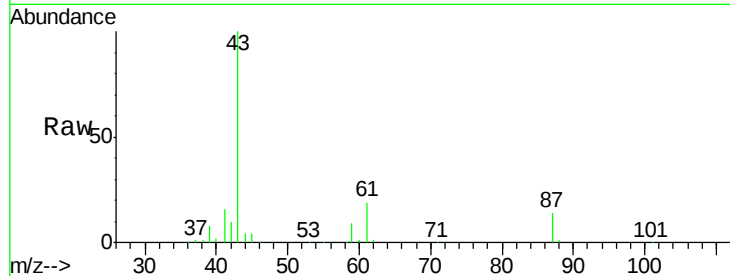
Isopropyl Acetate
 Concen: 17.95 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.0	22.6
87	12.6	10.3	15.5

Manual Integrations
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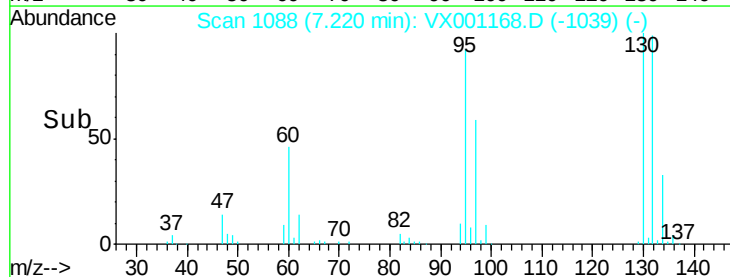
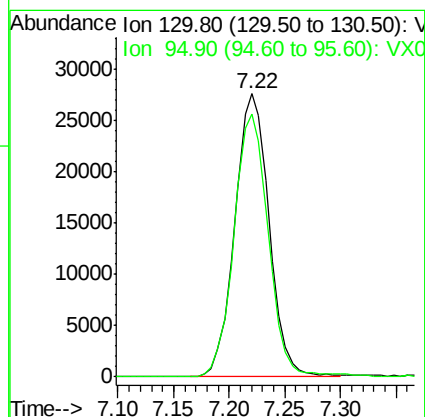
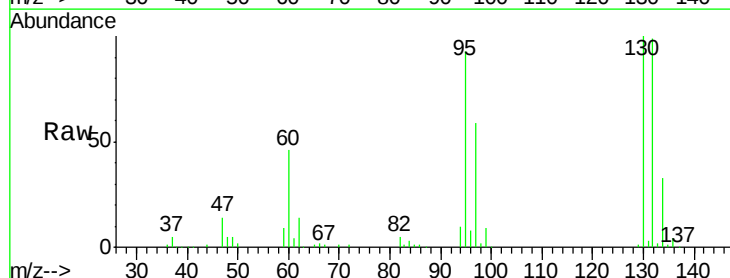
MMDadoda
 4/30/2018 6:04:36 PM

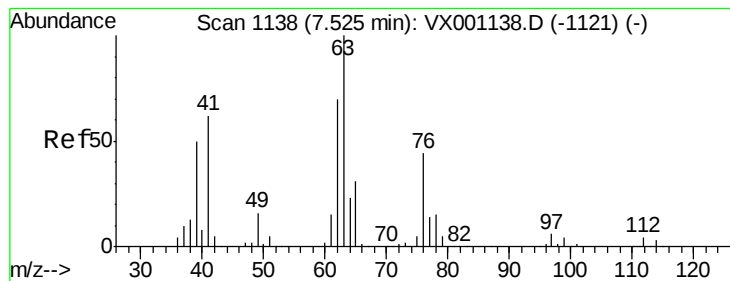


#44

Trichloroethene
 Concen: 20.28 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	189.6





#45

1,2-Dichloropropane

Concen: 19.54 ug/l

RT: 7.53 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampled :

VX0427WBS01

Tot Ion: 63 Resp: 50045

Ion Ratio Lower Upper

63 100

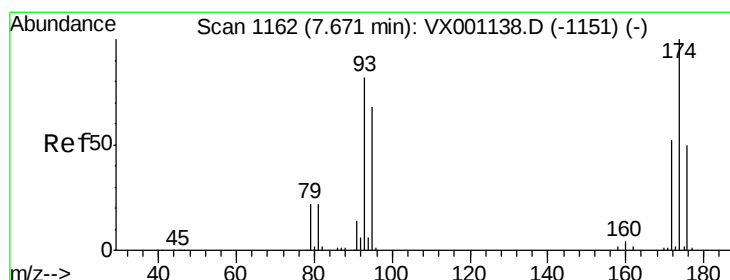
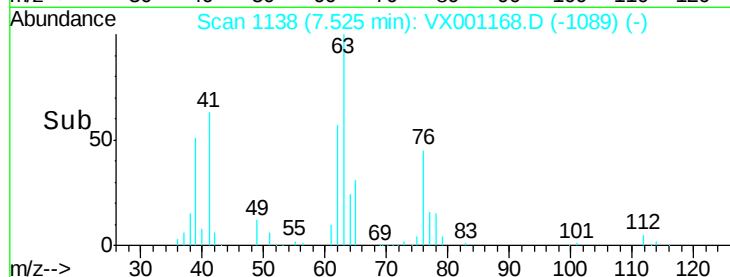
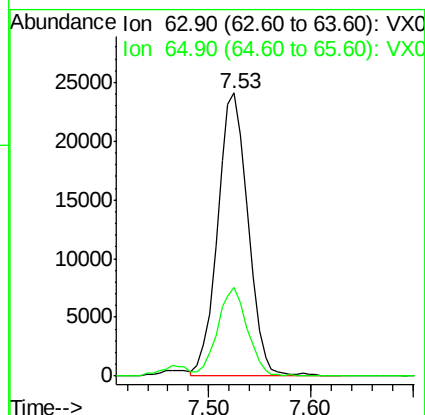
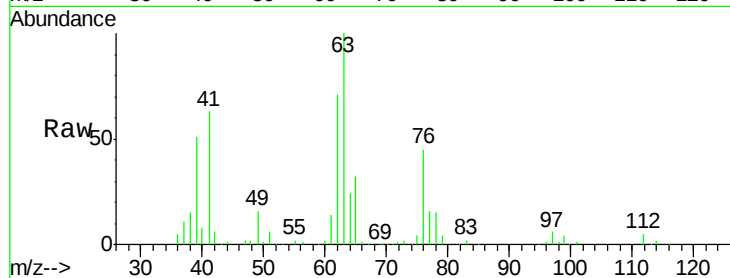
65 31.6 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

4/30/2018 6:04:36 PM



#46

Dibromomethane

Concen: 19.90 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

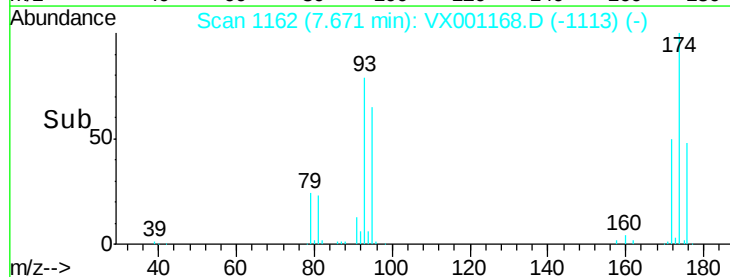
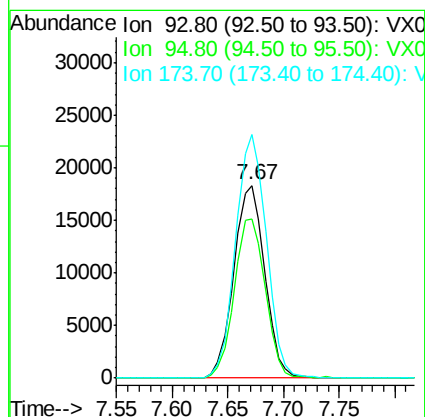
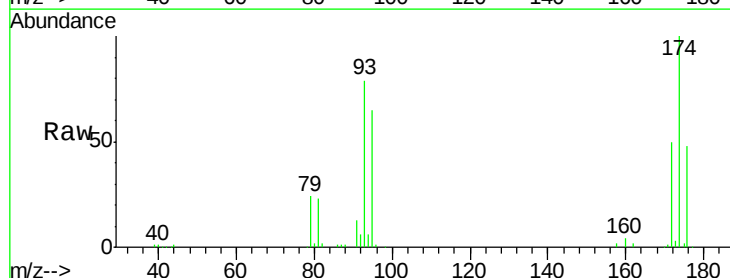
Tgt Ion: 93 Resp: 35297

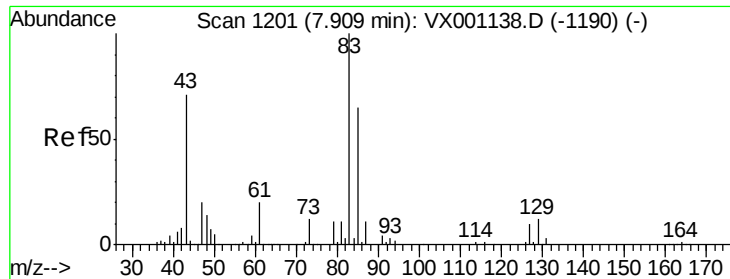
Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

174 126.0 99.6 149.4





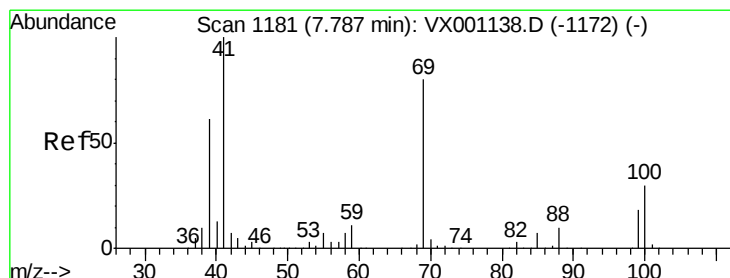
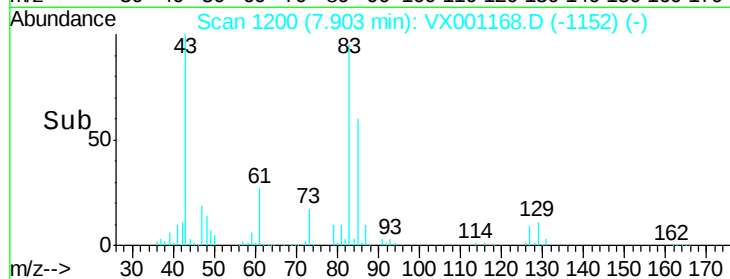
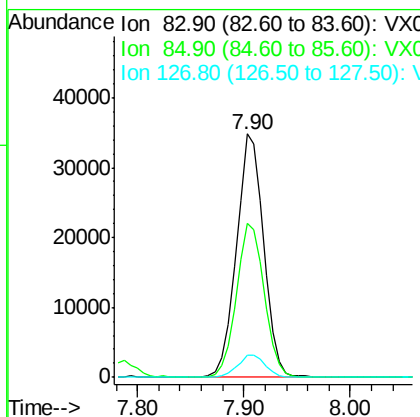
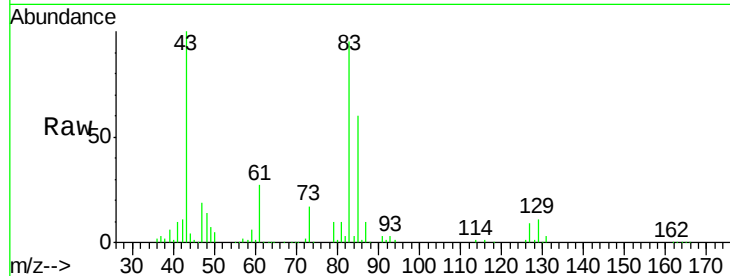
#47
Bromodichloromethane
Concen: 19.42 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion	83	Resp	62566
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	51.9	77.9
127	9.0	7.7	11.5

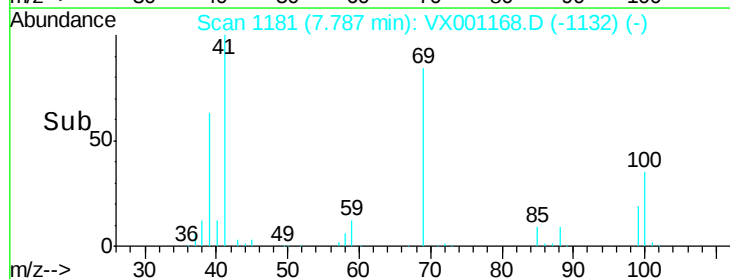
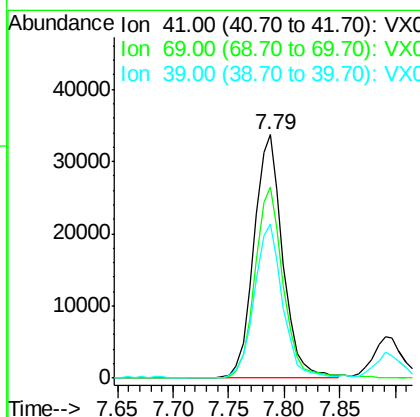
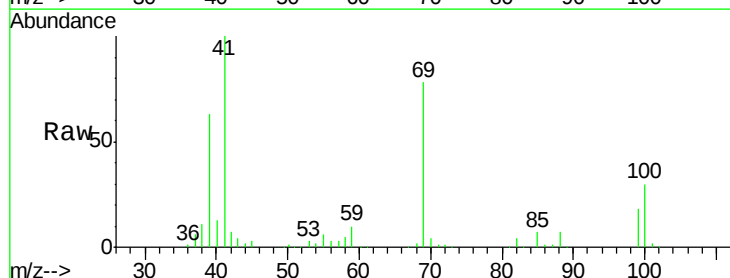
Manual Integrations
APPROVED

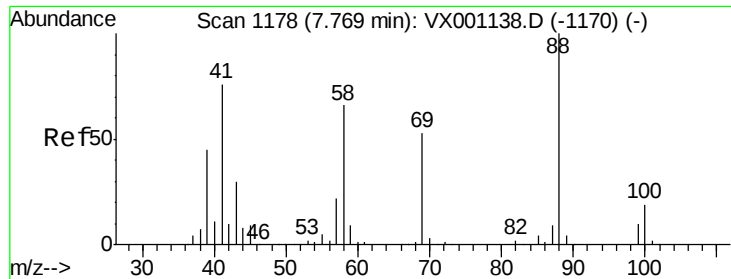
MMDadoda
4/30/2018 6:04:36 PM



#48
Methyl methacrylate
Concen: 17.95 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	41	Resp	60389
Ion Ratio	100	Lower	Upper
41	100		
69	77.7	62.4	93.6
39	62.8	48.7	73.1





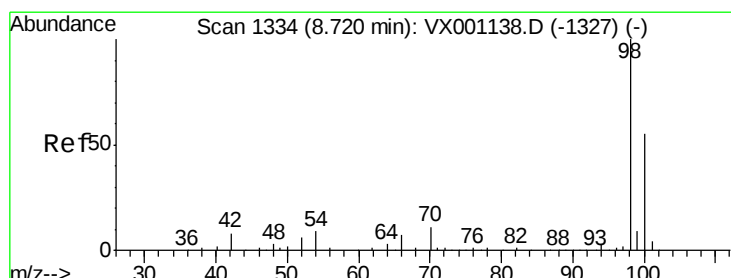
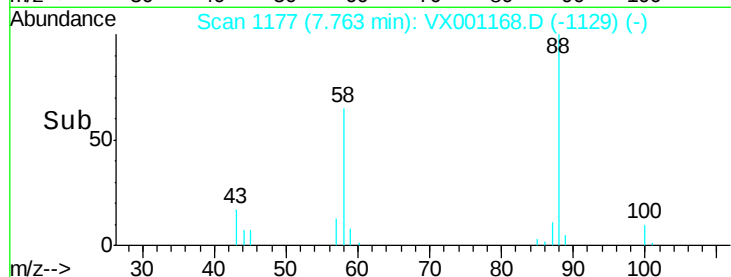
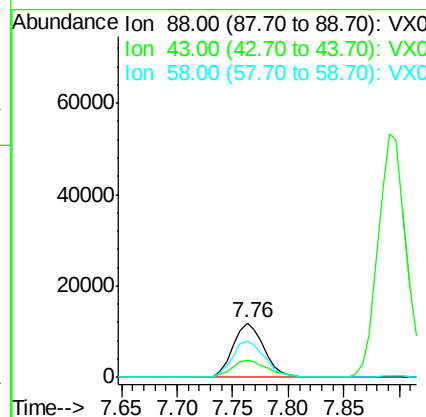
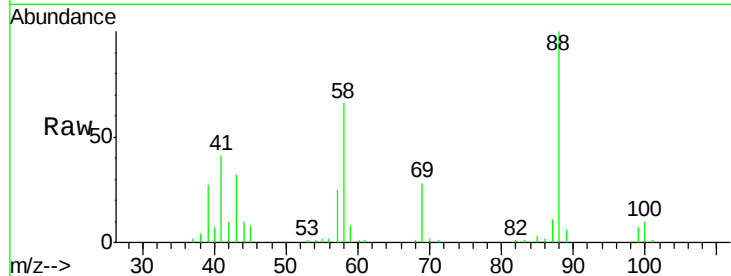
#49
1,4-Dioxane
Concen: 336.53 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	27.3	40.9
58	70.9	54.2	81.4

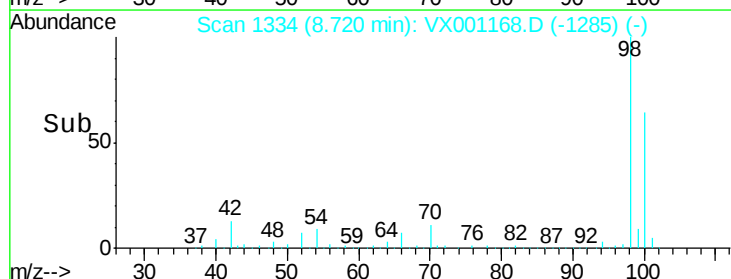
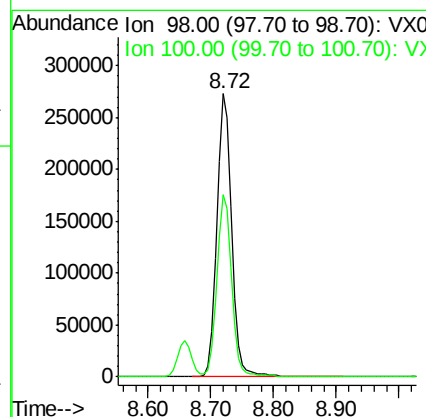
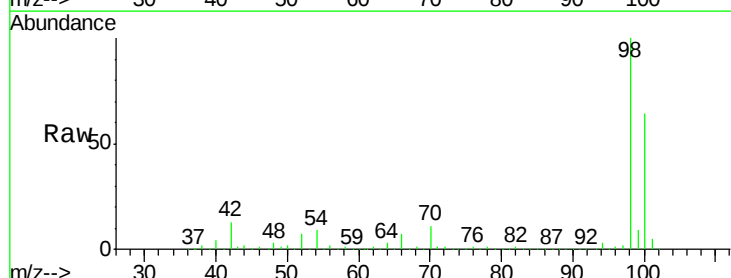
Manual Integrations
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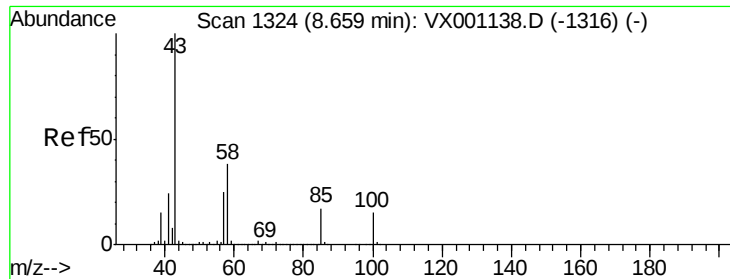
MMDadoda
4/30/2018 6:04:36 PM



#50
Toluene-d8
Concen: 46.66 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 90.86 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 43 Resp: 377845

Ion Ratio Lower Upper

43 100

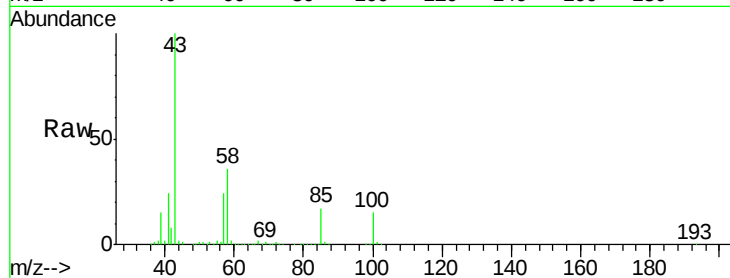
58 36.0 30.2 45.2

Manual Integrations

APPROVED

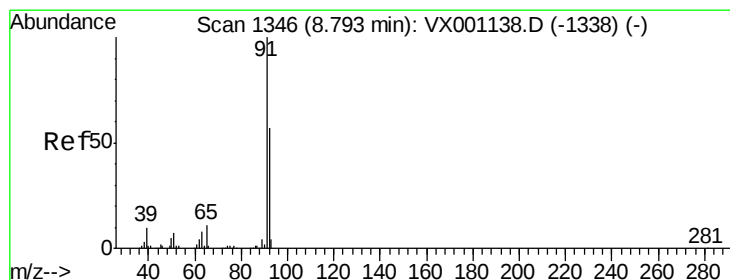
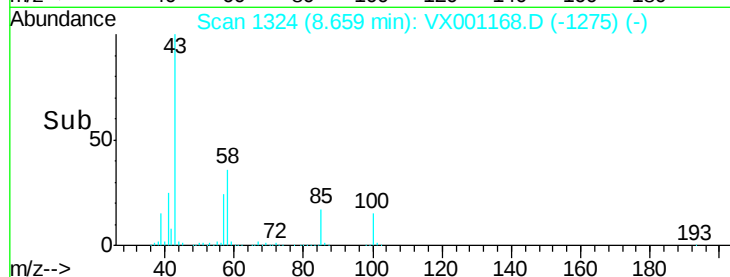
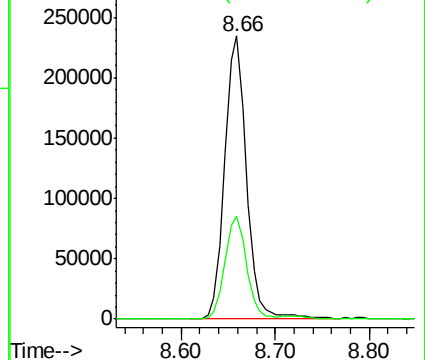
MMDadoda

4/30/2018 6:04:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.47 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001168.D

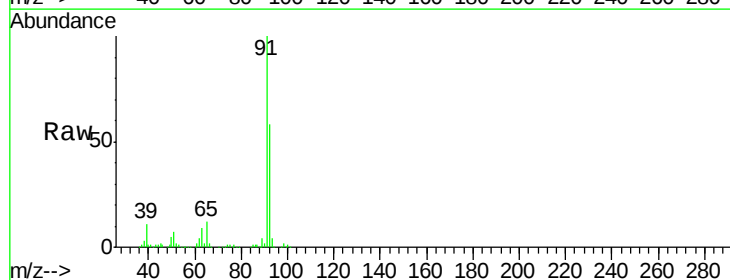
Acq: 27 Apr 2018 14:11

Tgt Ion: 92 Resp: 130363

Ion Ratio Lower Upper

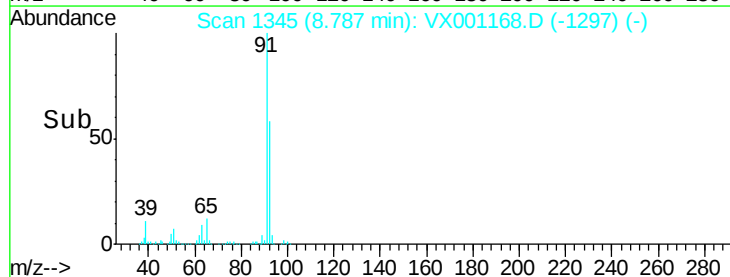
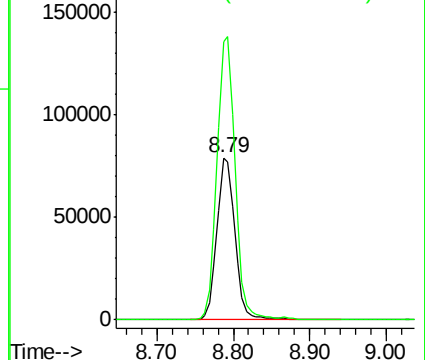
92 100

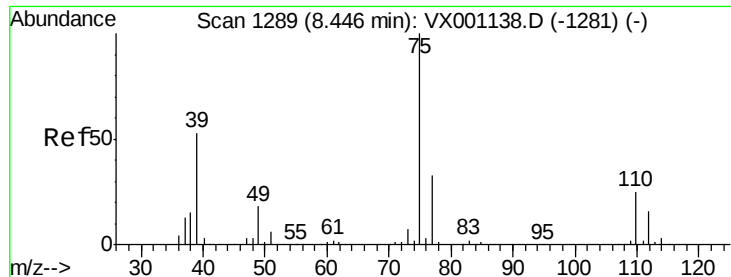
91 175.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





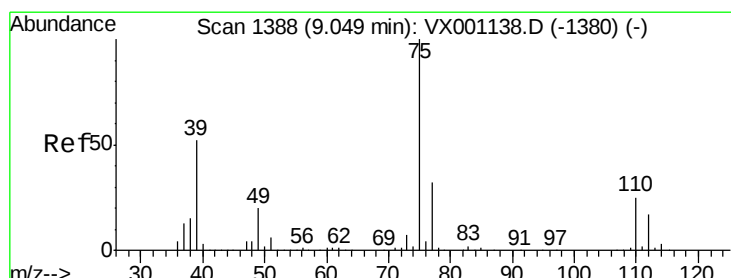
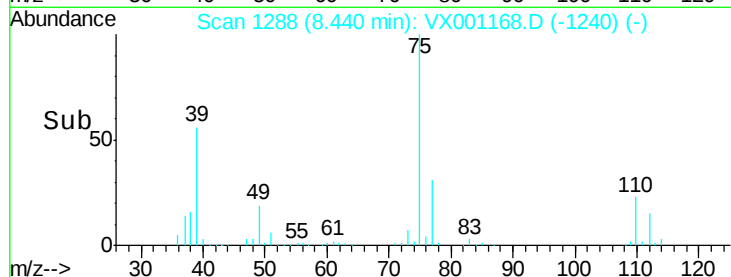
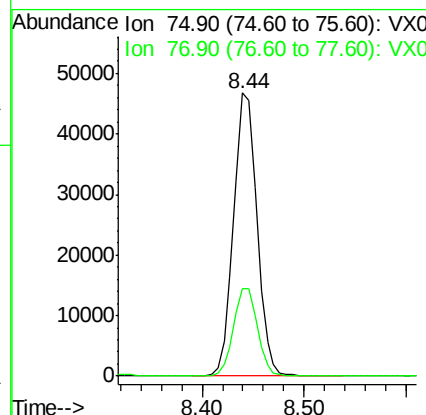
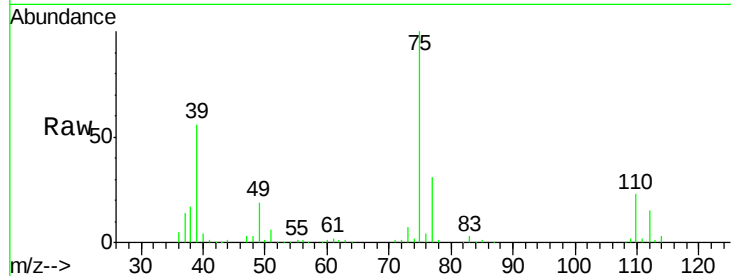
#53
t-1,3-Dichloropropene
Concen: 19.77 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion: 75 Resp: 74072
Ion Ratio Lower Upper
75 100
77 30.8 26.2 39.4

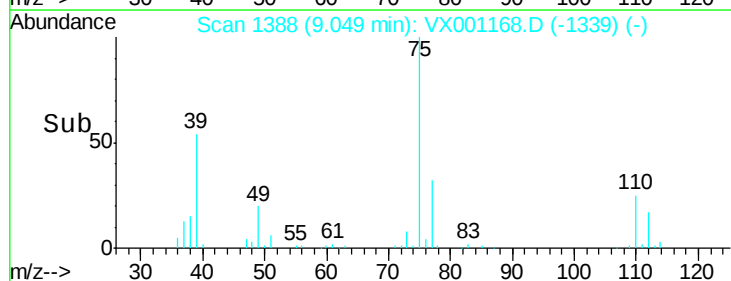
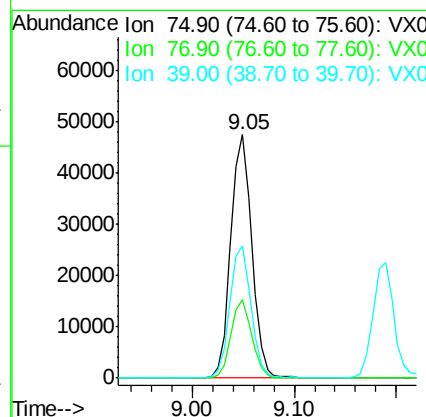
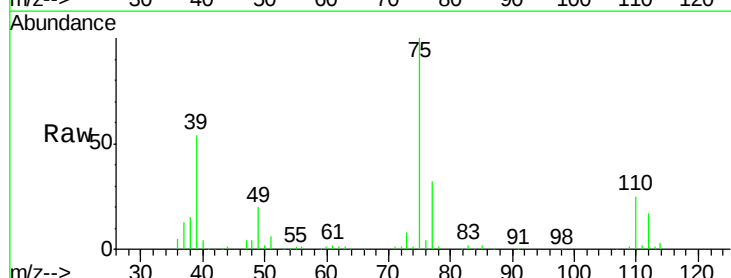
Manual Integrations
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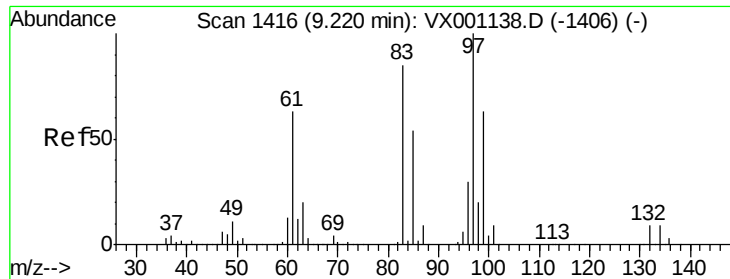
MMDadoda
4/30/2018 6:04:36 PM



#54
cis-1,3-Dichloropropene
Concen: 18.80 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion: 75 Resp: 67827
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2
39 54.3 42.0 63.0





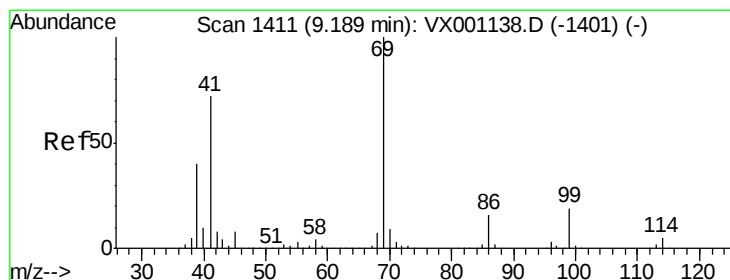
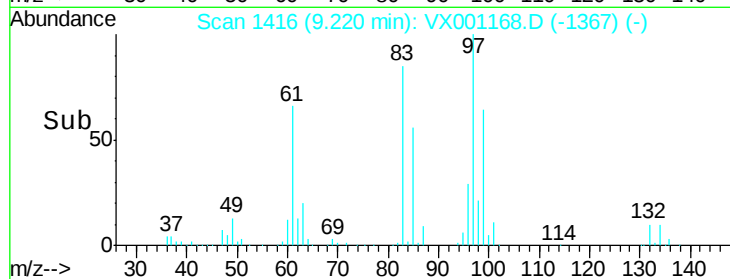
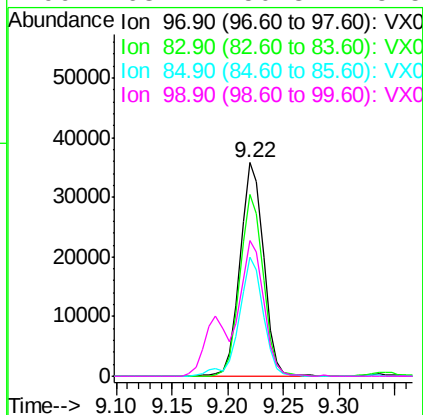
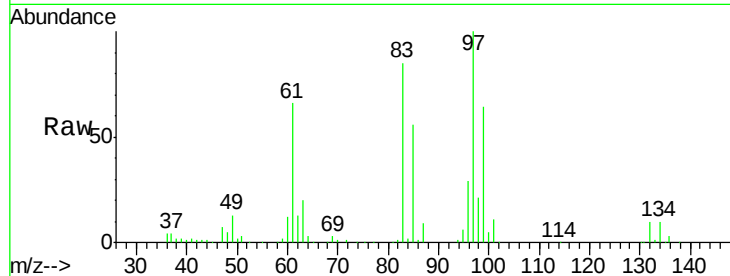
#55
 1,1,2-Trichloroethane
 Concen: 19.47 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.0	102.0
85	55.9	42.9	64.3
99	63.4	50.3	75.5

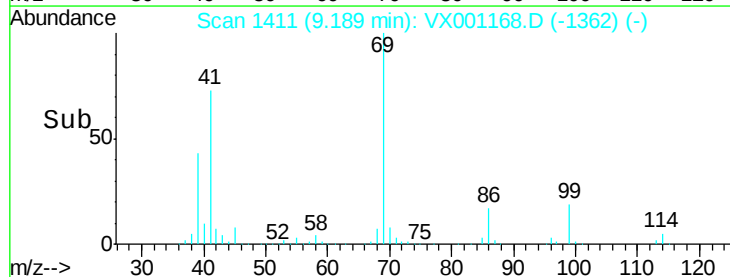
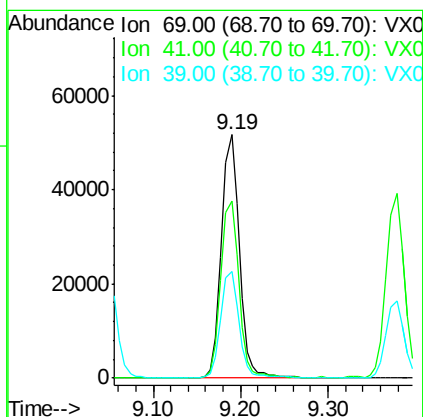
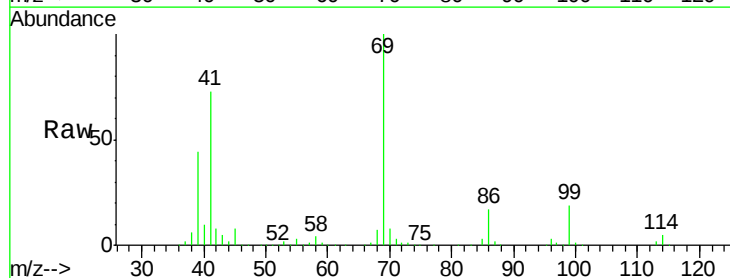
Manual Integrations
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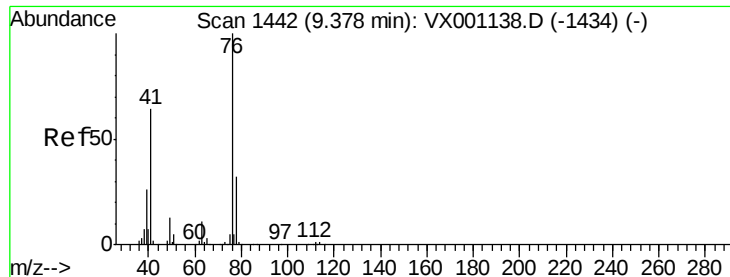
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 4/30/2018 6:04:36 PM



#56
 Ethyl methacrylate
 Concen: 18.50 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.9	57.7	86.5
39	44.1	33.3	49.9





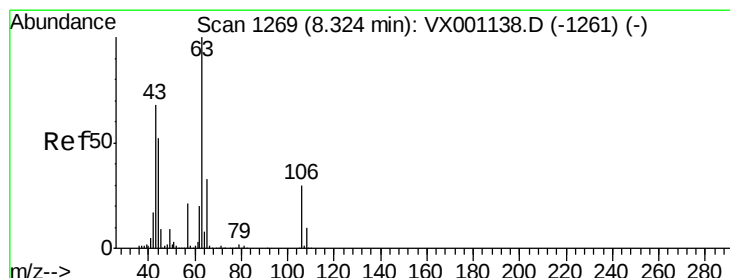
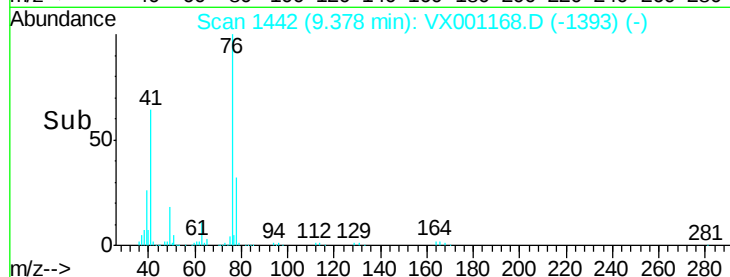
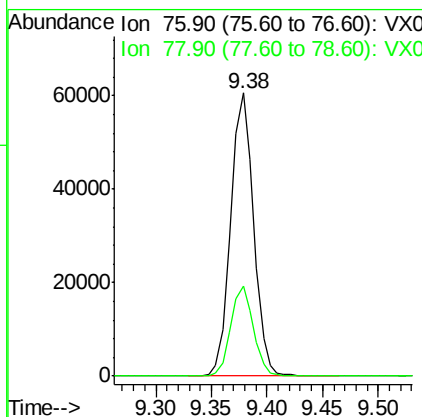
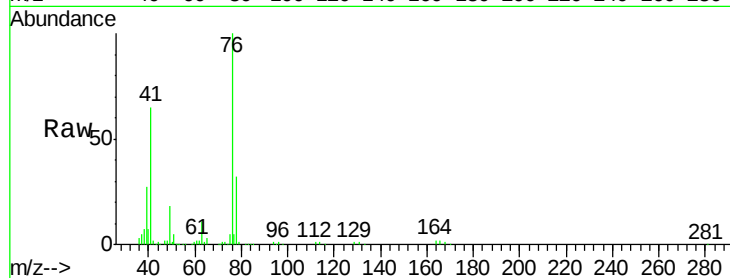
#57
 1,3-Dichloropropane
 Concen: 19.81 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS01

Tot Ion: 76 Resp: 86324
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.1 39.1

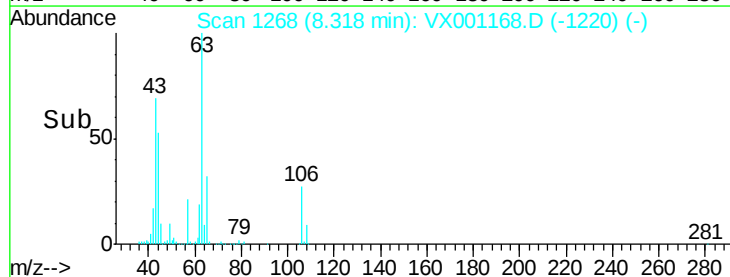
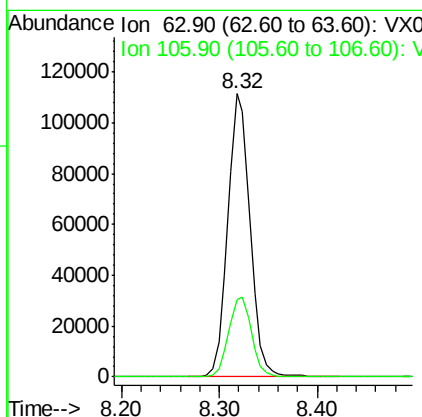
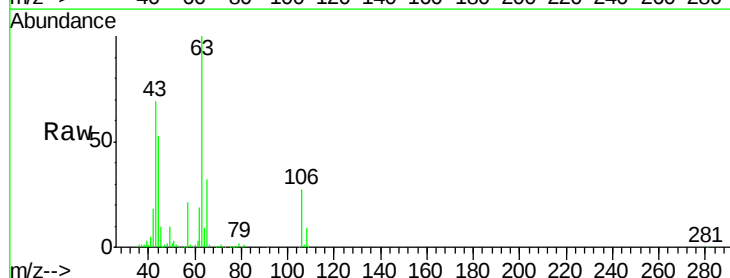
Manual Integrations
 APPROVED

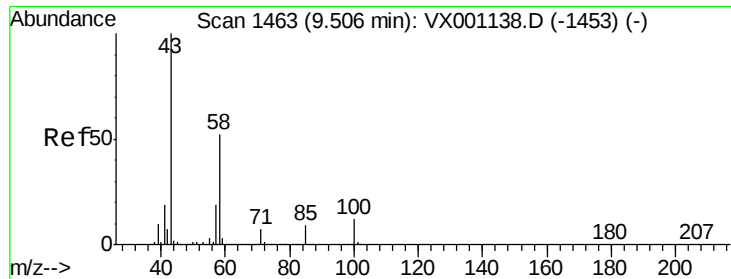
MMDadoda
 4/30/2018 6:04:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.87 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Tgt Ion: 63 Resp: 175239
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.7 35.5





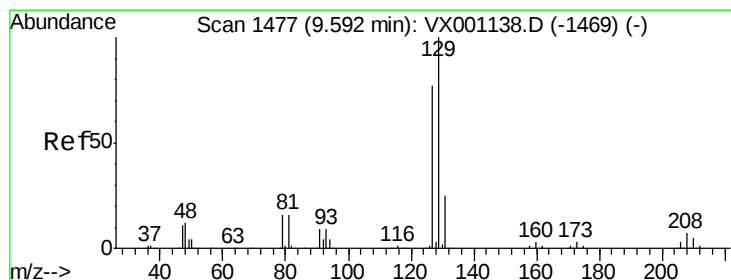
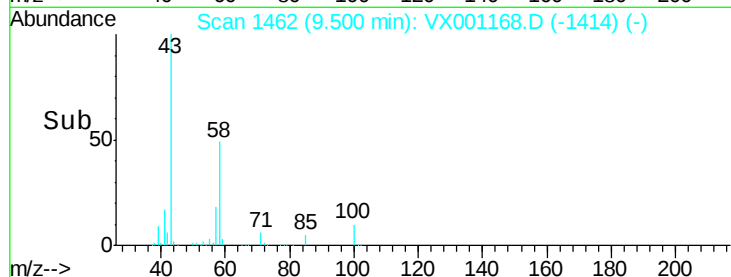
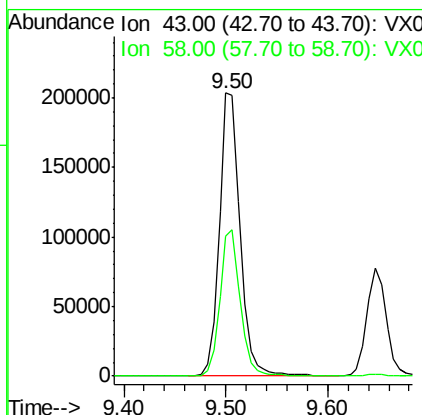
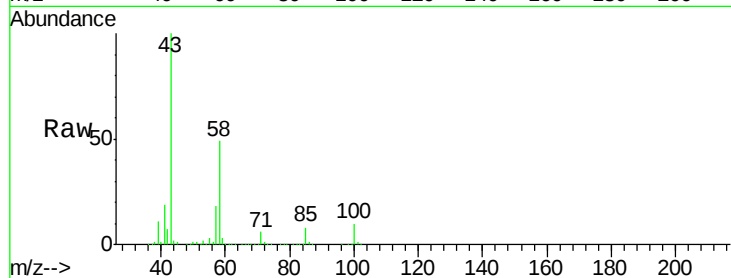
#59
2-Hexanone
Concen: 89.00 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion: 43 Resp: 289999
Ion Ratio Lower Upper
43 100
58 50.9 25.8 77.4

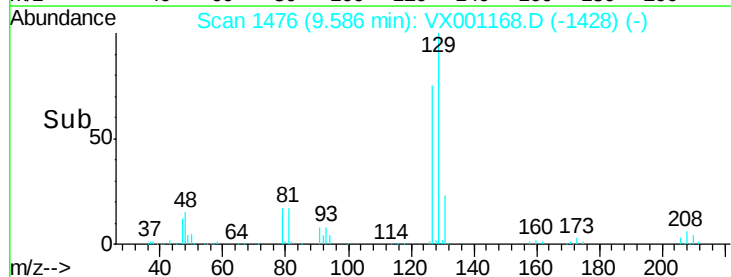
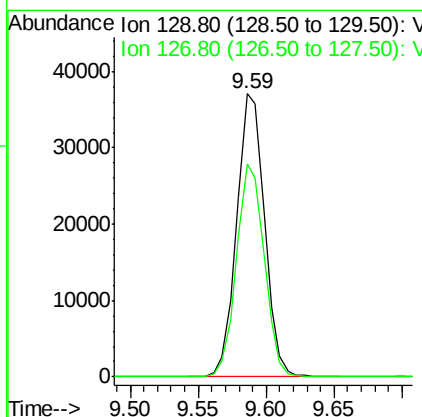
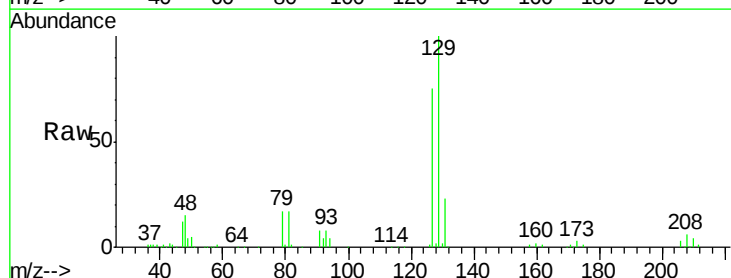
Manual Integrations
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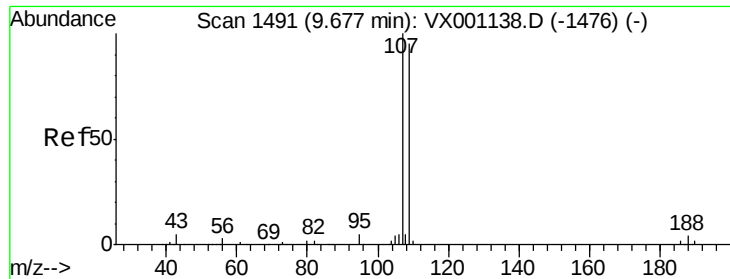
MMDadoda
4/30/2018 6:04:36 PM



#60
Dibromochloromethane
Concen: 19.01 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion: 129 Resp: 52843
Ion Ratio Lower Upper
129 100
127 75.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.78 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion:107 Resp: 55832

Ion Ratio Lower Upper

107 100

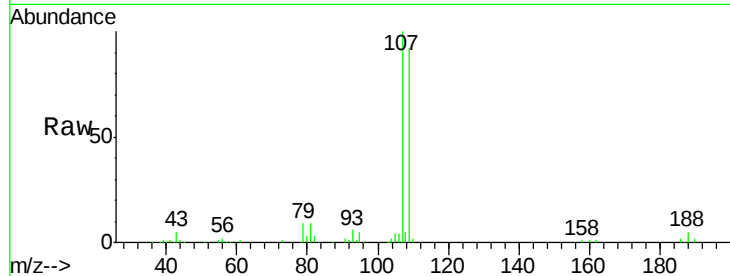
109 94.0 75.2 112.8

Manual Integrations

APPROVED

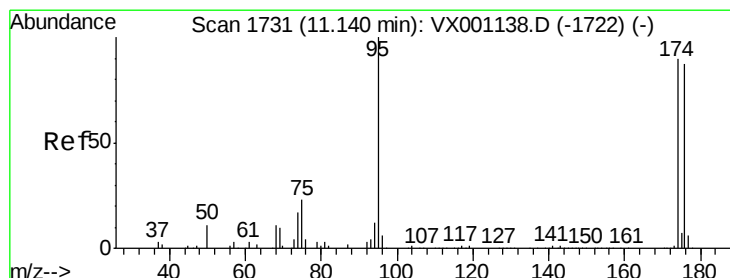
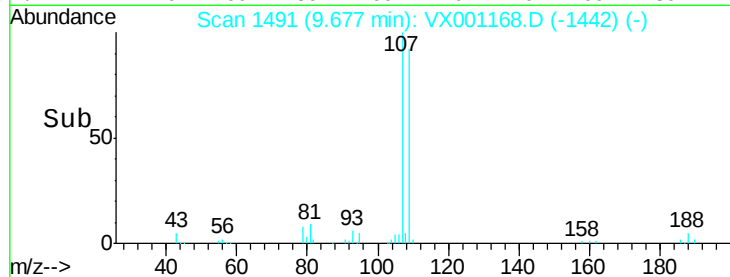
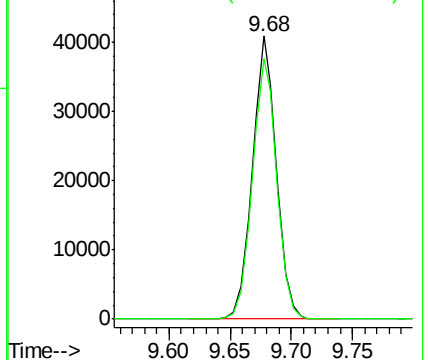
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

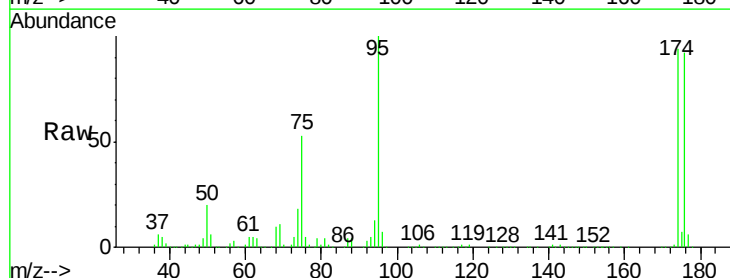
Tgt Ion: 95 Resp: 172645

Ion Ratio Lower Upper

95 100

174 99.5 0.0 194.4

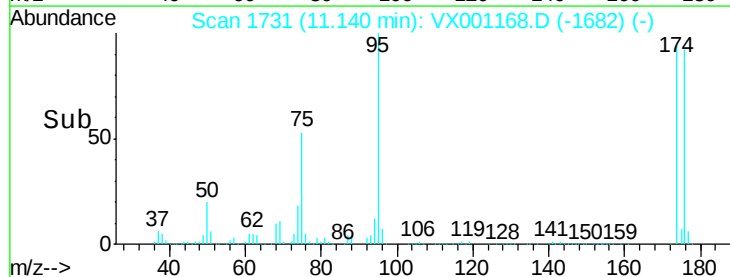
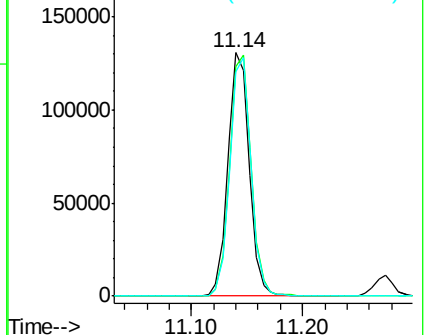
176 97.6 0.0 190.2

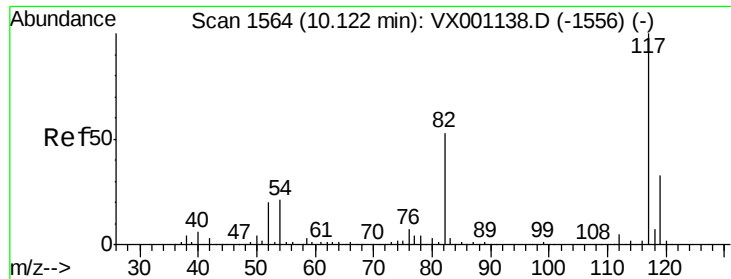


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





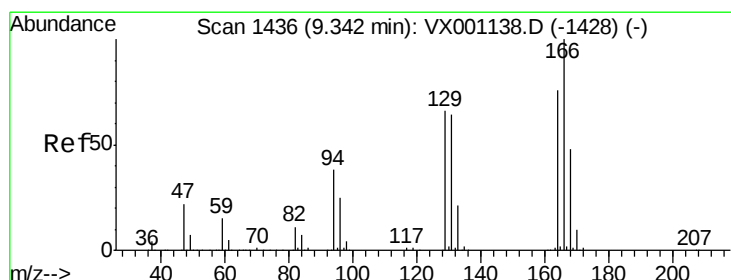
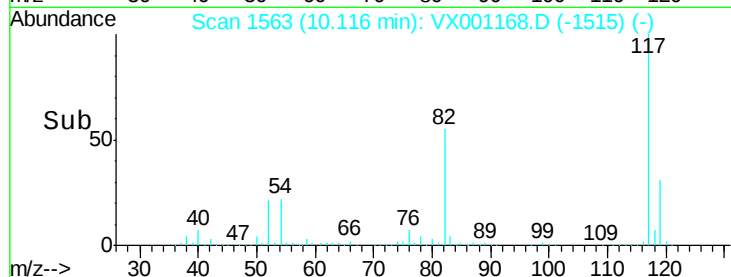
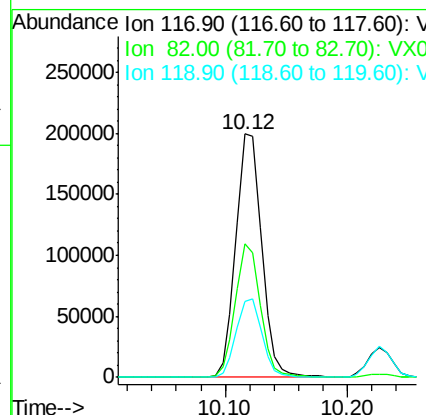
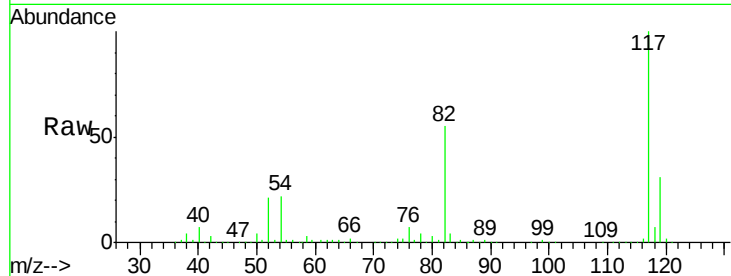
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampled :
VX0427WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.1	63.1
119	31.4	26.1	39.1

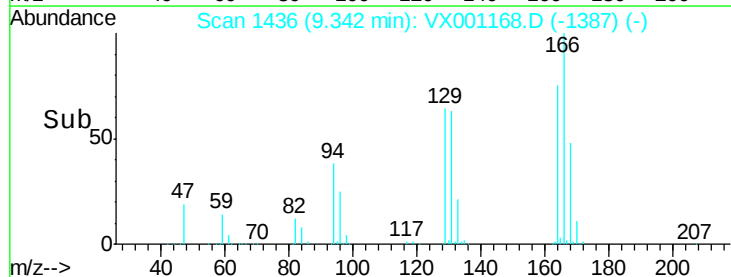
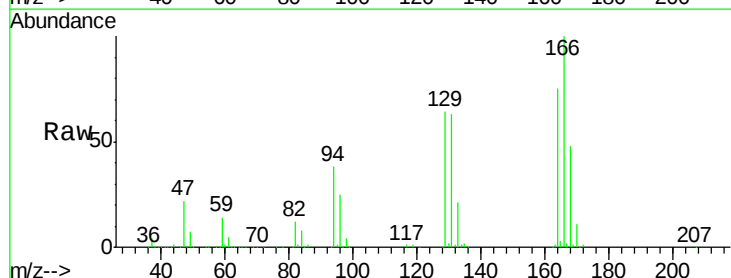
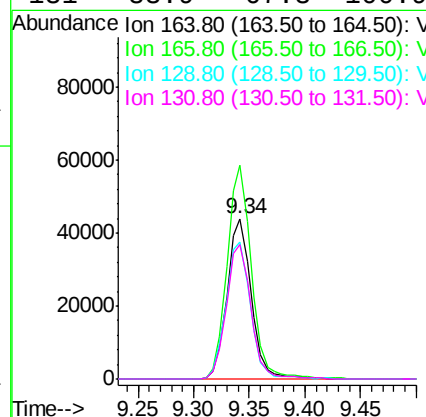
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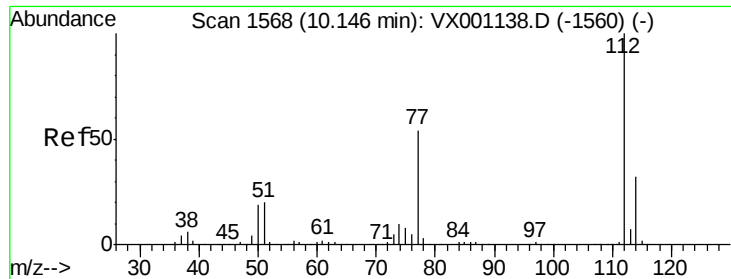
MMDadoda
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#64
Tetrachloroethene
Concen: 21.16 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	105.0	157.6
129	85.6	69.4	104.2
131	83.9	67.3	100.9





#65

Chlorobenzene

Concen: 19.88 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampled :

VX0427WBS01

Tot Ion:112 Resp: 152432

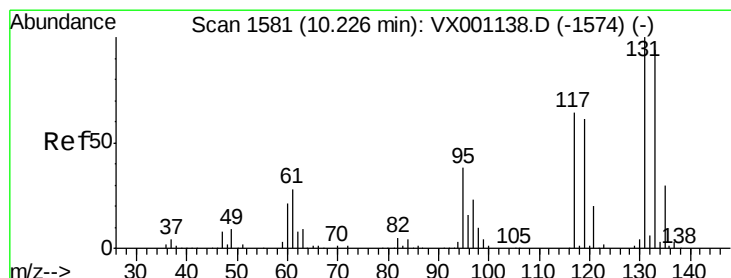
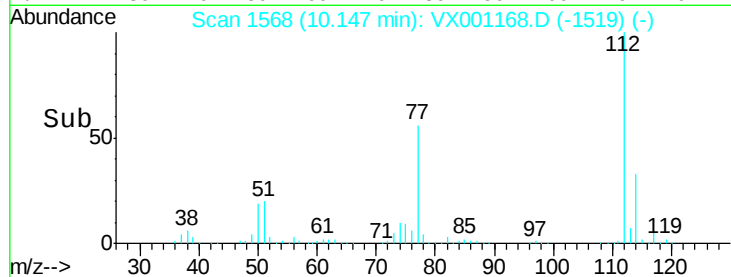
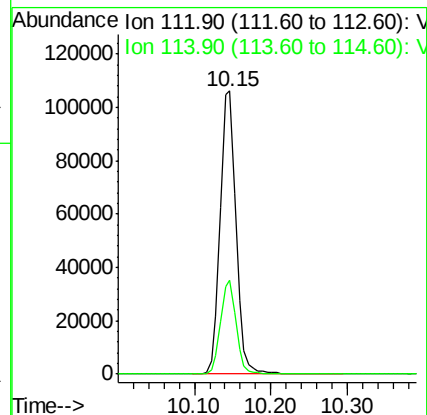
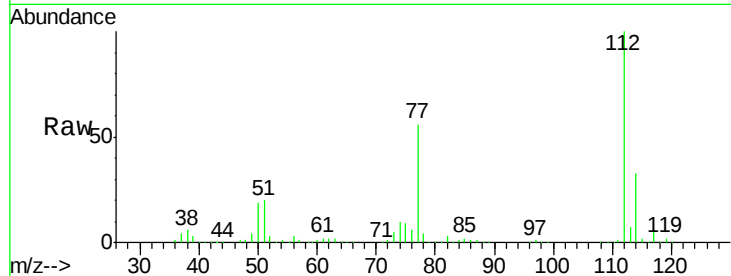
Ion Ratio Lower Upper

112 100

114 33.1 25.7 38.5

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.82 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

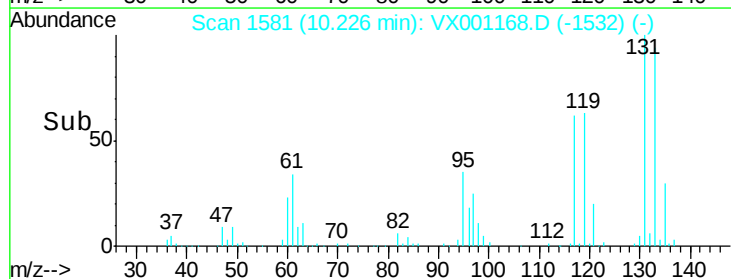
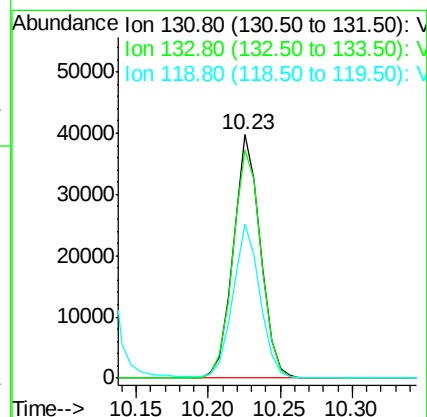
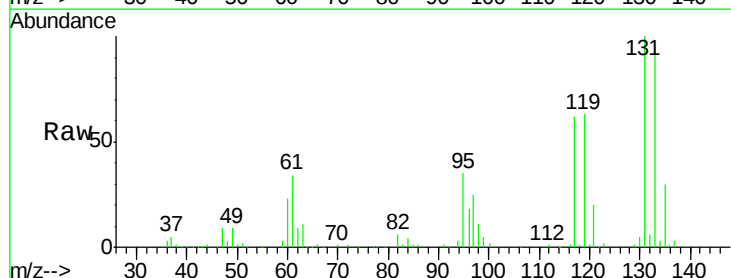
Tgt Ion:131 Resp: 52594

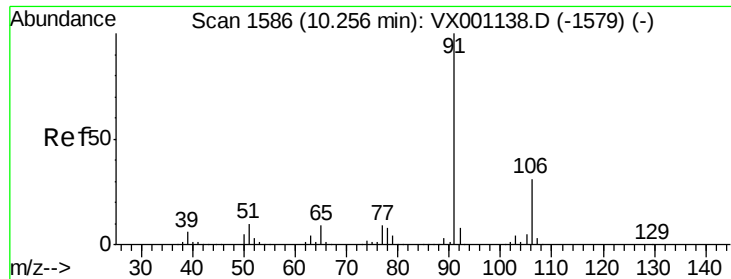
Ion Ratio Lower Upper

131 100

133 97.3 47.8 143.4

119 63.9 31.3 93.8





#67

Ethyl Benzene

Concen: 20.48 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 91 Resp: 255204

Ion Ratio Lower Upper

91 100

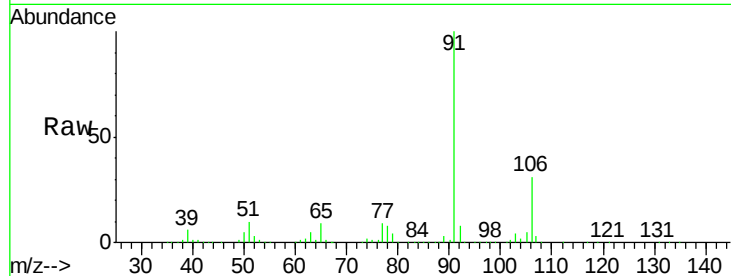
106 31.2 24.8 37.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001138.D (-1579) (-)

Ion 106.00 (105.70 to 106.70): VX001138.D (-1579) (-)

300000

200000

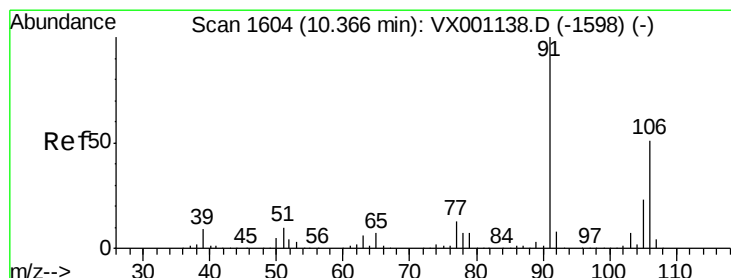
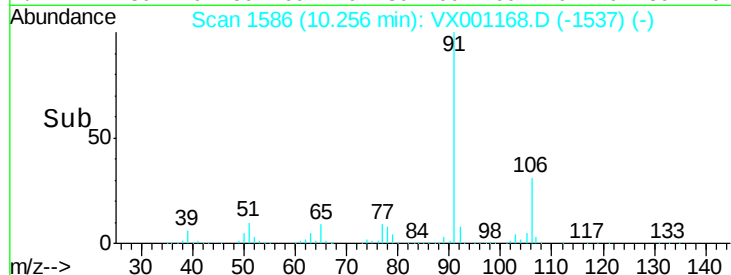
100000

0

10.26

10.30

Time-->



#68

m/p-Xylenes

Concen: 40.30 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001168.D

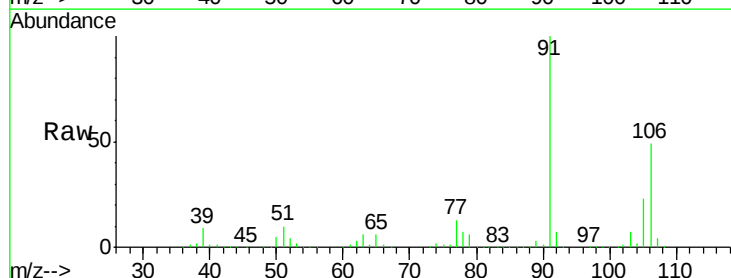
Acq: 27 Apr 2018 14:11

Tgt Ion: 106 Resp: 198542

Ion Ratio Lower Upper

106 100

91 206.0 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): VX001138.D (-1598) (-)

Ion 91.00 (90.70 to 91.70): VX001138.D (-1598) (-)

300000

200000

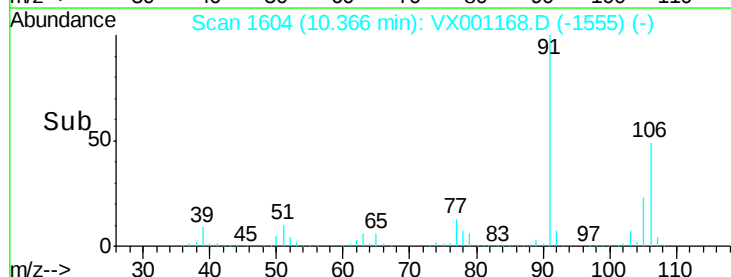
100000

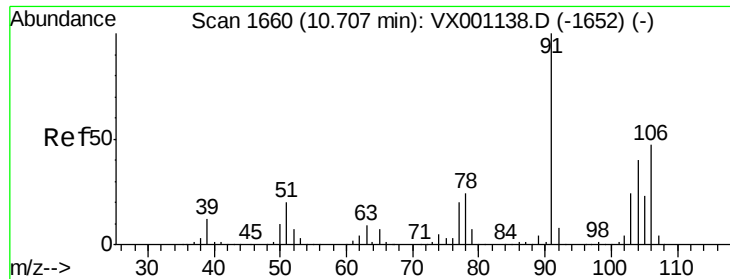
0

10.37

10.40

Time-->





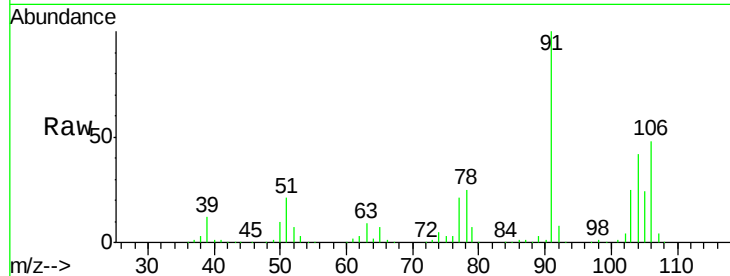
#69
o-Xylene
Concen: 20.39 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

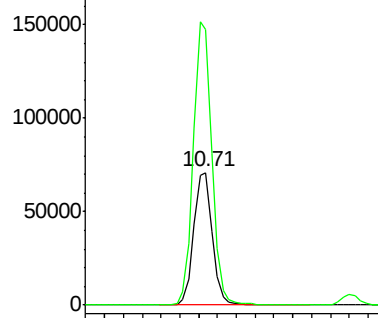
Tot Ion:106 Resp: 97437
Ion Ratio Lower Upper
106 100
91 211.6 106.2 318.5

Manual Integrations
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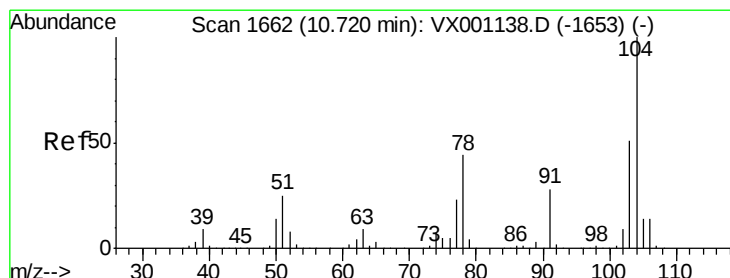
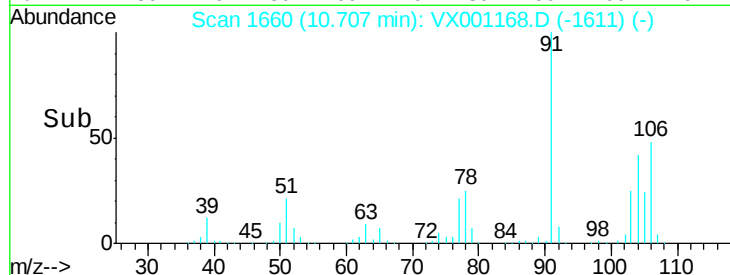
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

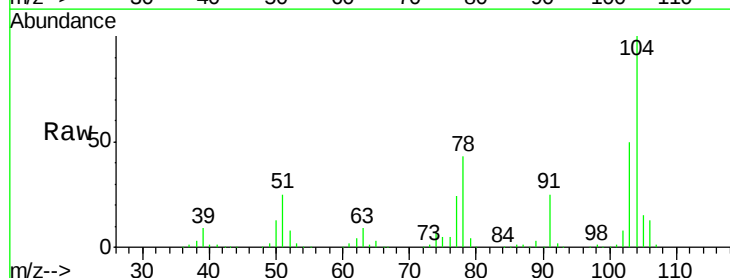


Time--> 10.60 10.70 10.80

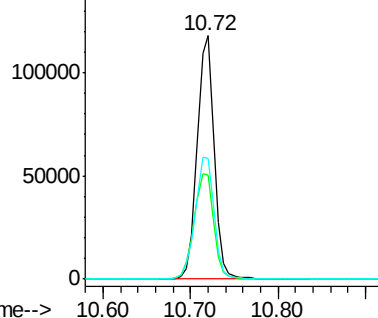


#70
Styrene
Concen: 19.99 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

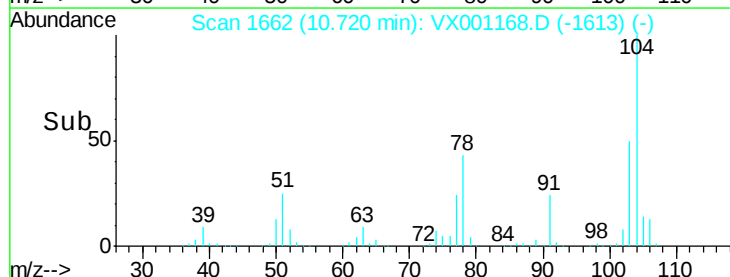
Tgt Ion:104 Resp: 158963
Ion Ratio Lower Upper
104 100
78 49.9 40.3 60.5
103 55.7 44.3 66.5

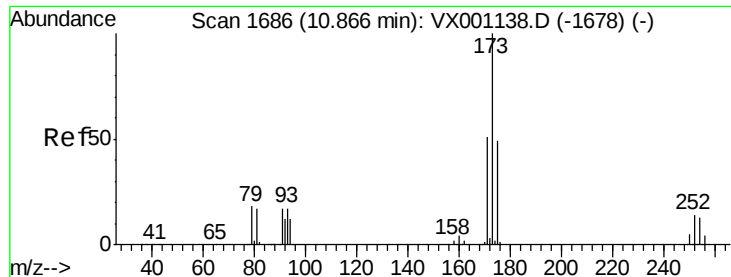


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80





#71

Bromoform

Concen: 18.23 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion:173 Resp: 41127

Ion Ratio Lower Upper

173 100

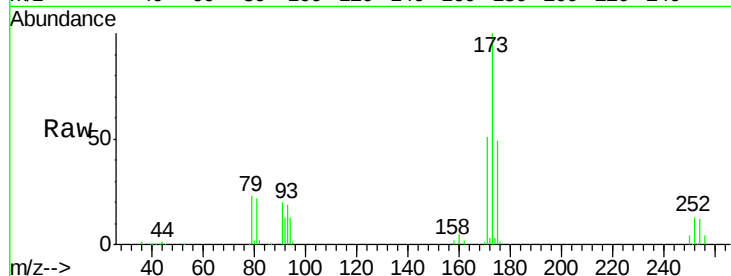
175 48.5 24.6 73.8

254 0.0 0.2 0.2#

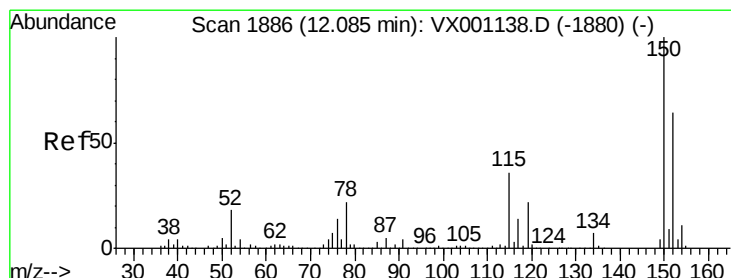
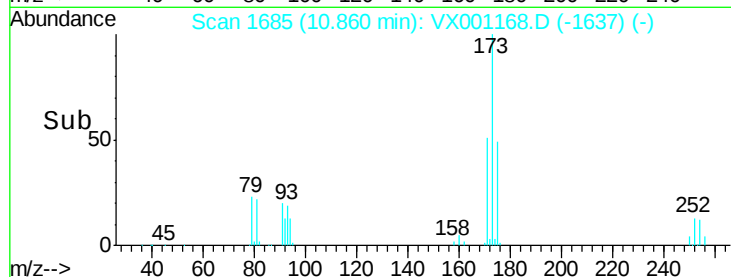
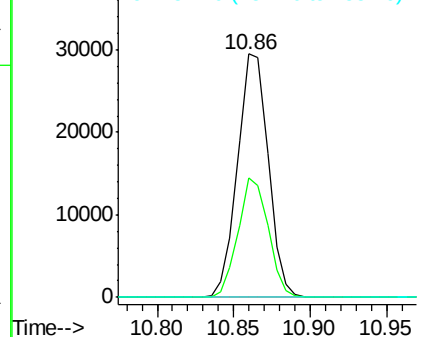
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

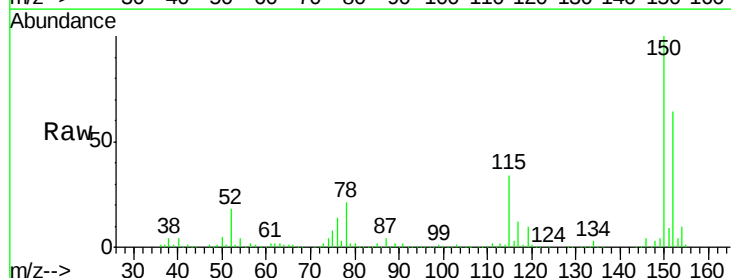
Tgt Ion:152 Resp: 199968

Ion Ratio Lower Upper

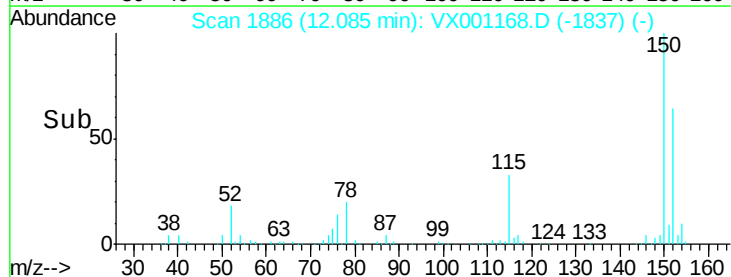
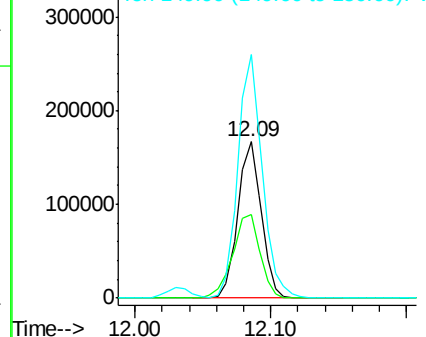
152 100

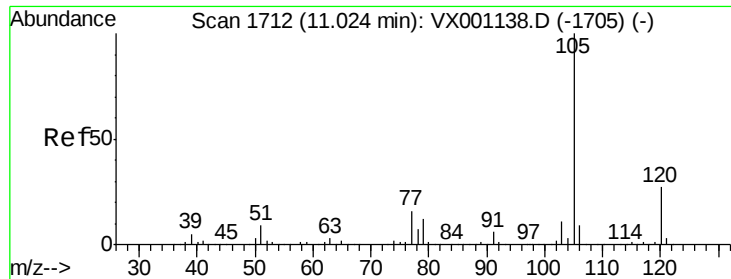
115 62.5 38.0 114.0

150 161.7 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.00 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 105 Resp: 260648

Ion Ratio Lower Upper

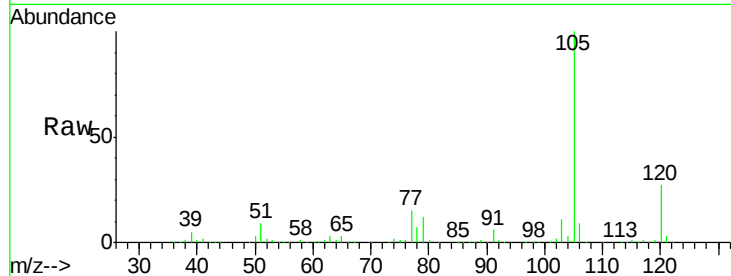
105 100

120 27.4 13.6 40.8

Manual Integrations
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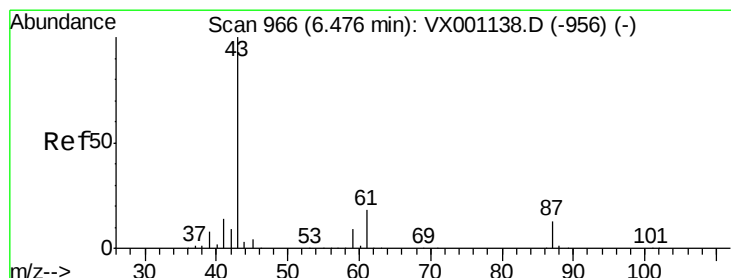
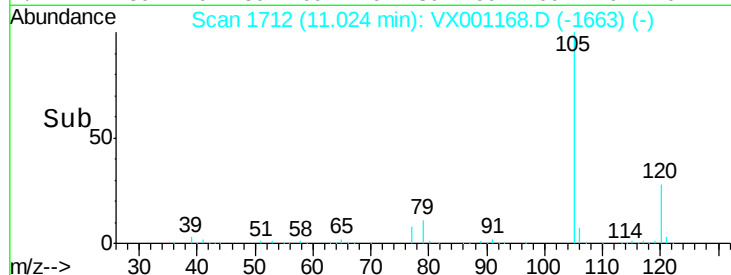
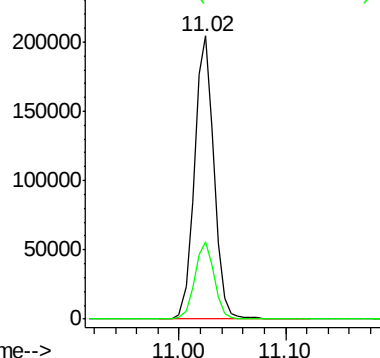
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.31 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Tgt Ion: 43 Resp: 113666

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

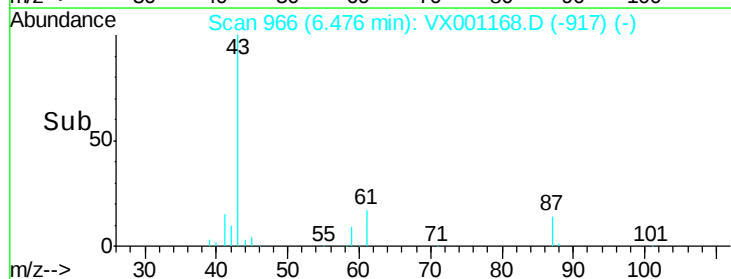
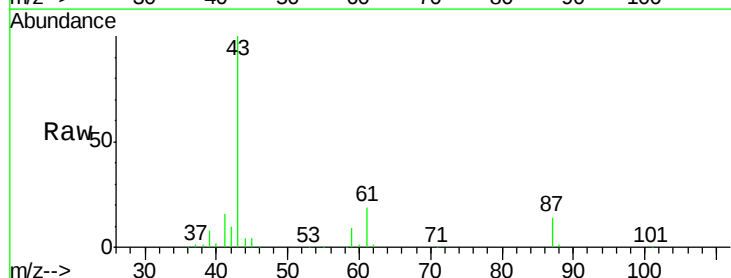
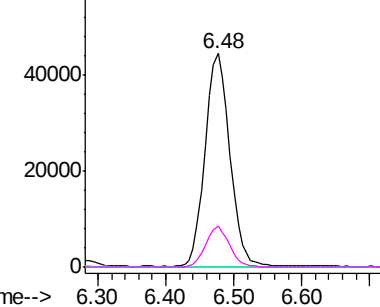
61 18.1 15.0 22.6

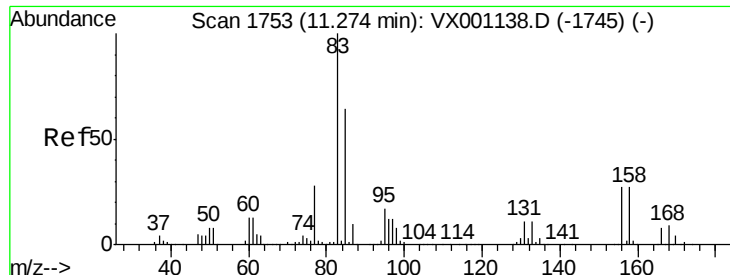
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.88 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

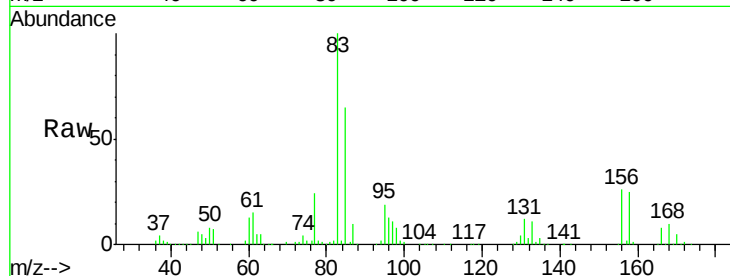
ClientSampleId :

VX0427WBS01

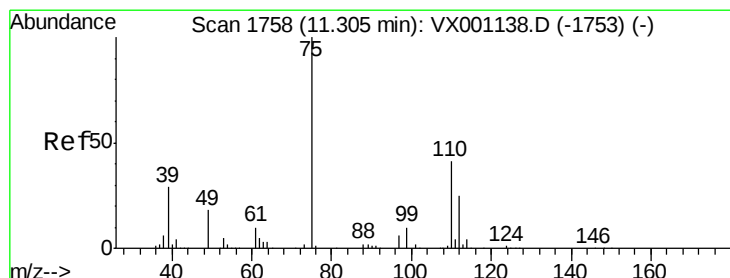
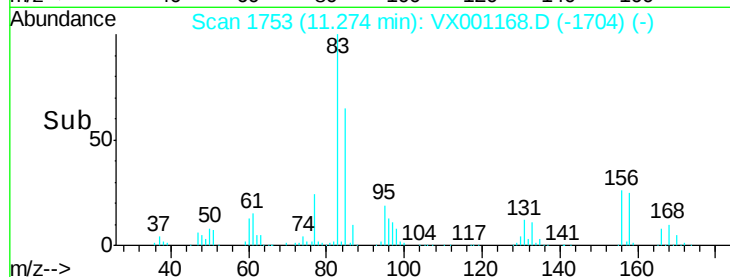
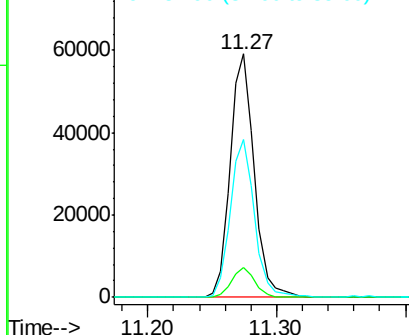
Tot Ion:	83	Resp:	77300
Ion	Ratio	Lower	Upper
83	100		
131	11.9	5.8	17.4
85	65.4	32.1	96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.07 ug/l m

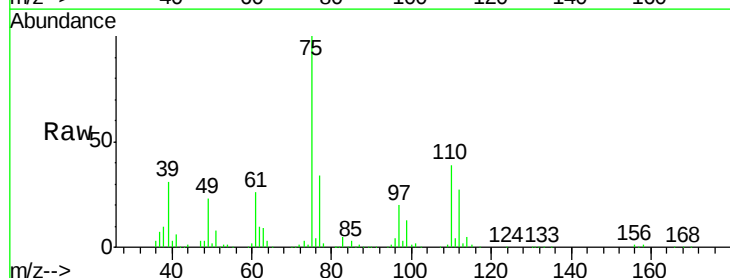
RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

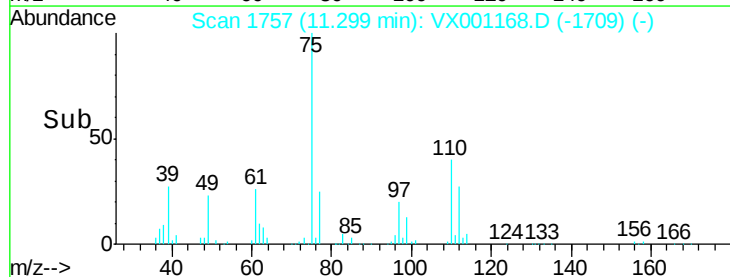
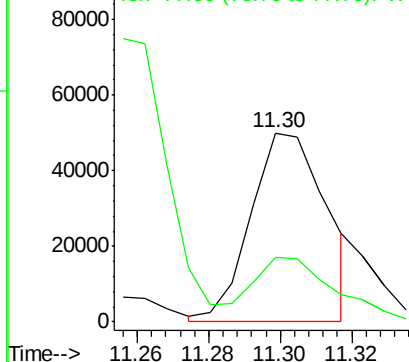
Lab File: VX001168.D

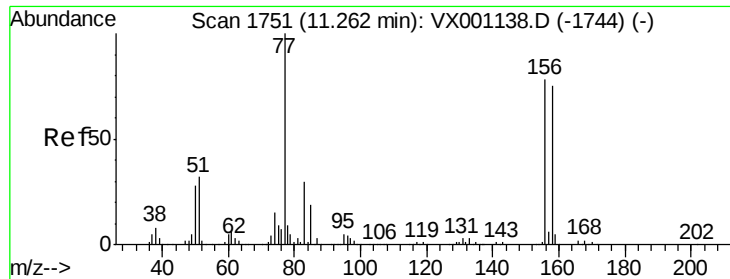
Acq: 27 Apr 2018 14:11

Tgt Ion:	75	Resp:	73579
Ion	Ratio	Lower	Upper
75	100		
77	38.5	18.9	56.9



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.54 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion:156 Resp: 75533

Ion Ratio Lower Upper

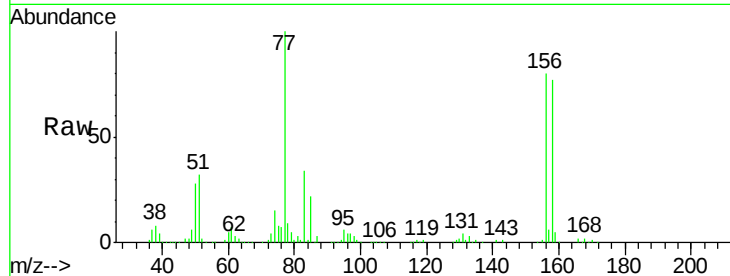
156 100

77 131.5 67.8 203.2

158 97.4 48.9 146.7

Manual Integrations
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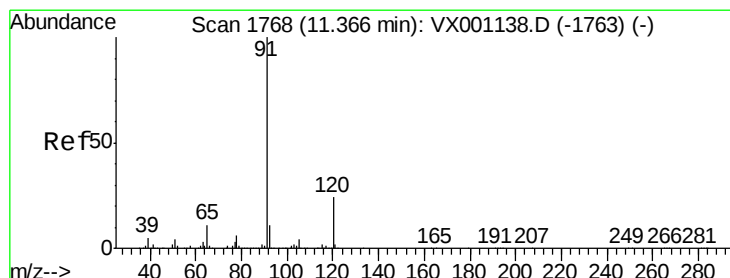
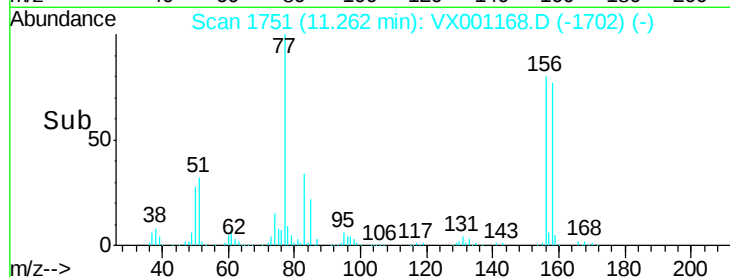
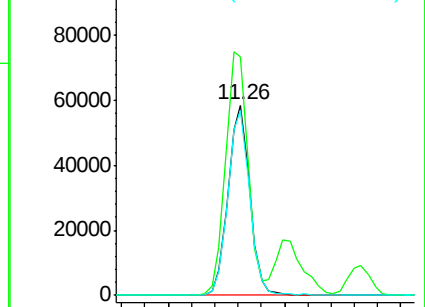
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.72 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001168.D

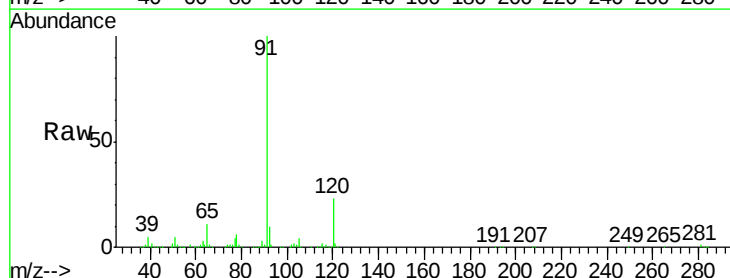
Acq: 27 Apr 2018 14:11

Tgt Ion: 91 Resp: 301124

Ion Ratio Lower Upper

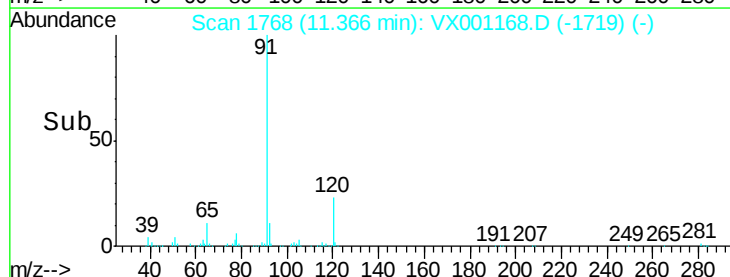
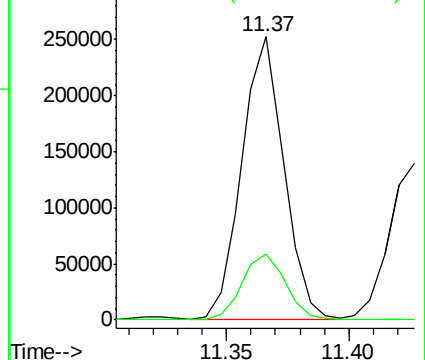
91 100

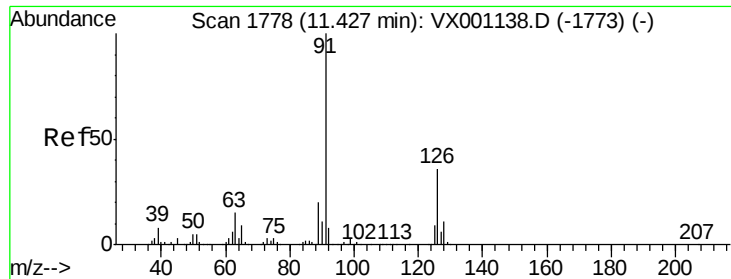
120 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.67 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 91 Resp: 177198

Ion Ratio Lower Upper

91 100

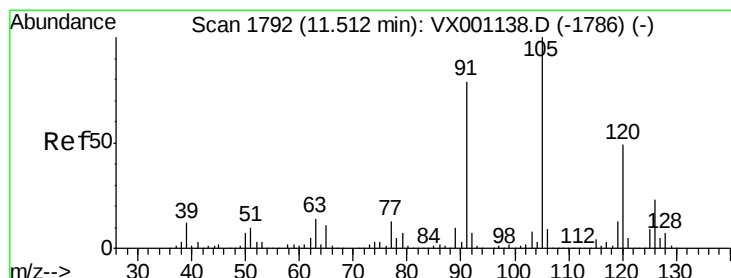
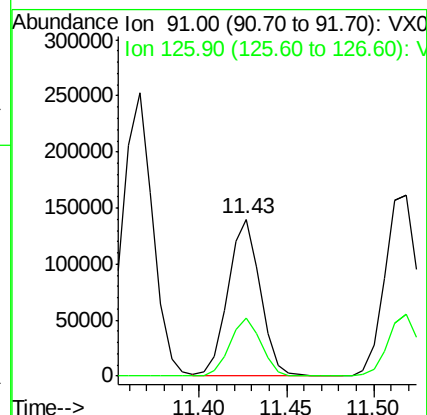
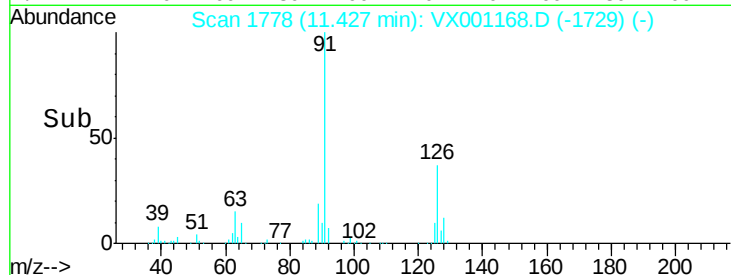
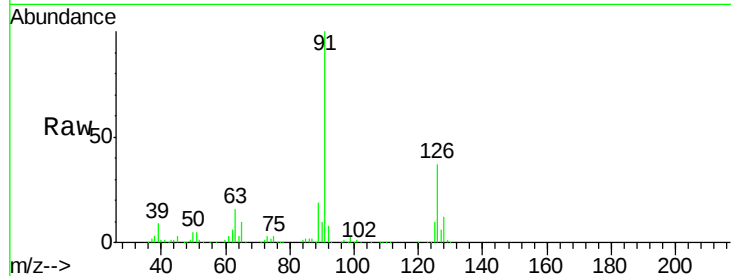
126 36.7 18.2 54.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.21 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001168.D

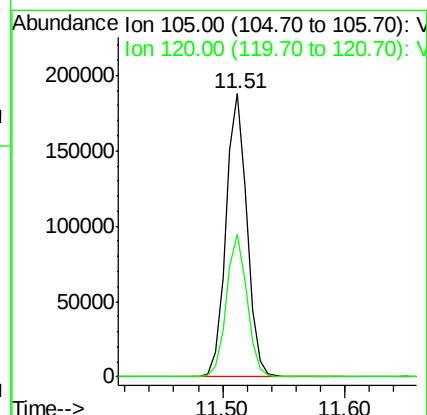
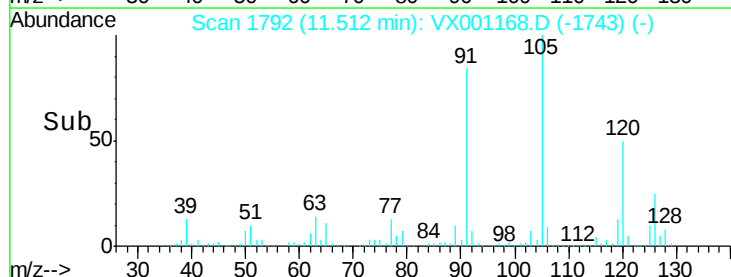
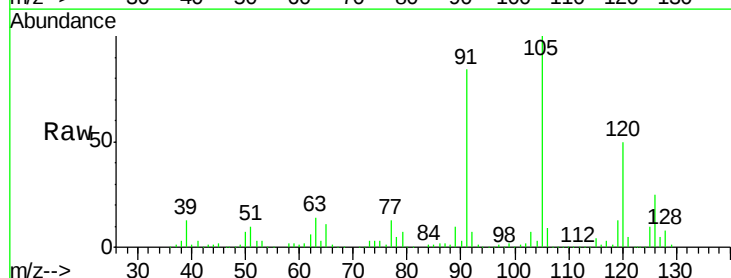
Acq: 27 Apr 2018 14:11

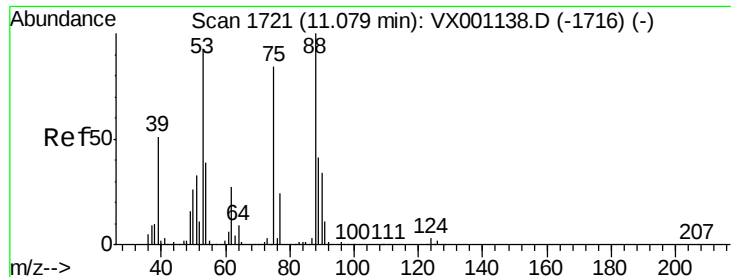
Tgt Ion: 105 Resp: 223073

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.68 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion: 75 Resp: 16452

Ion Ratio Lower Upper

75 100

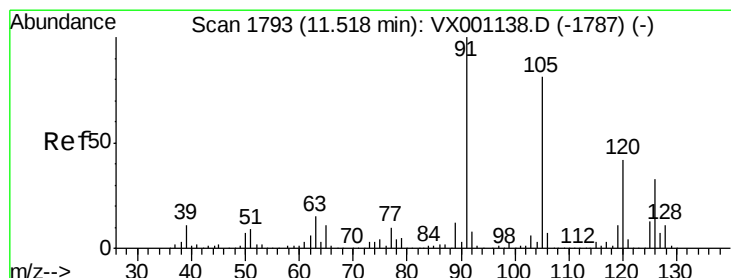
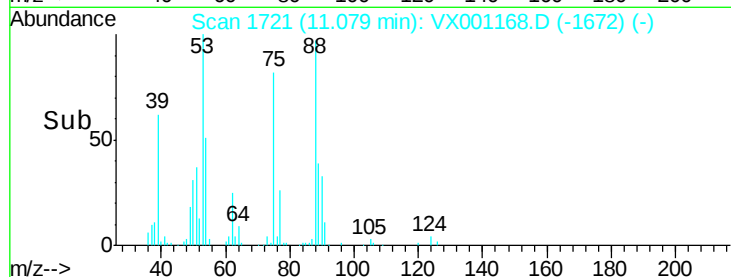
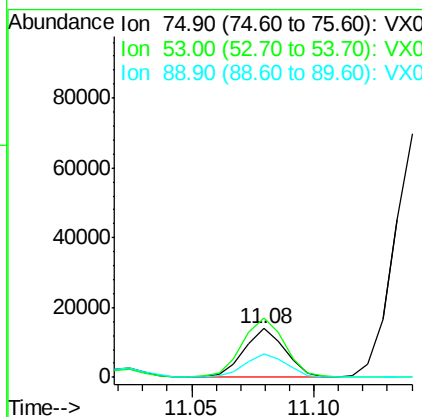
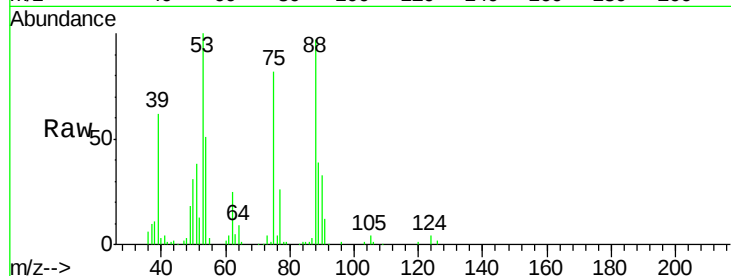
53 126.5 87.9 131.9

89 48.5 37.7 56.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.92 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VX001168.D

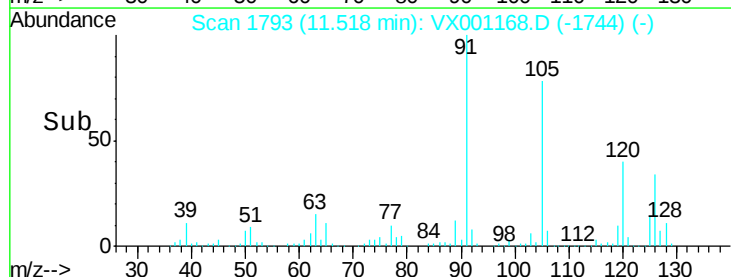
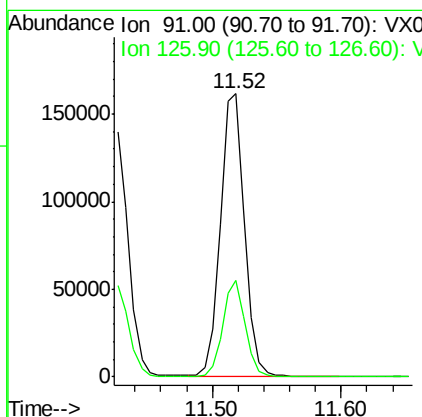
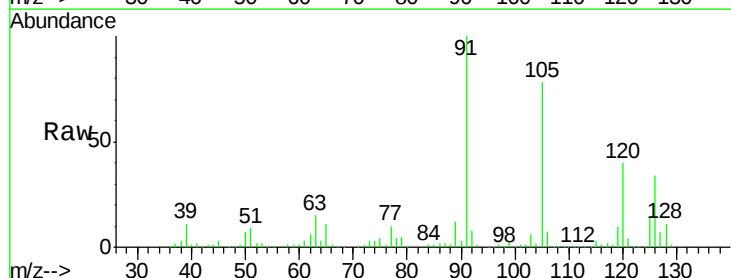
Acq: 27 Apr 2018 14:11

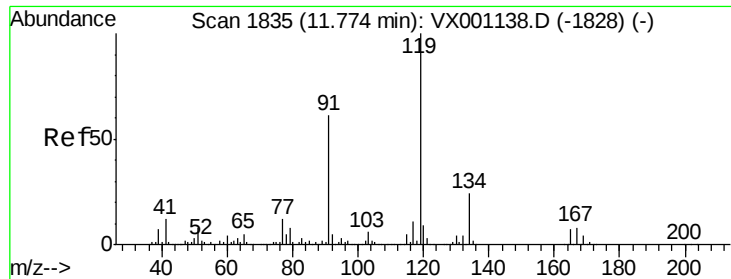
Tgt Ion: 91 Resp: 213335

Ion Ratio Lower Upper

91 100

126 31.7 15.8 47.4





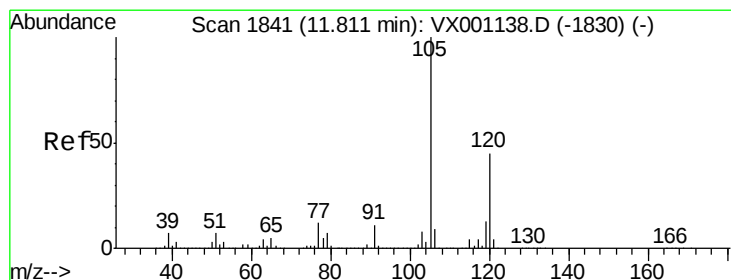
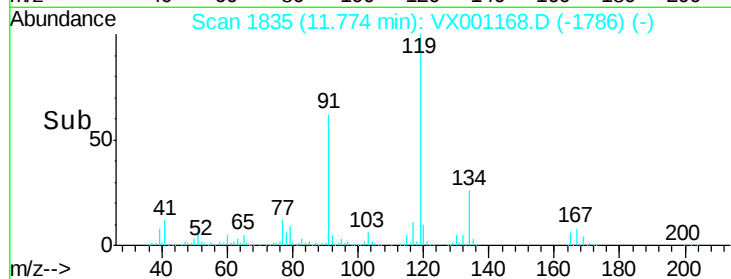
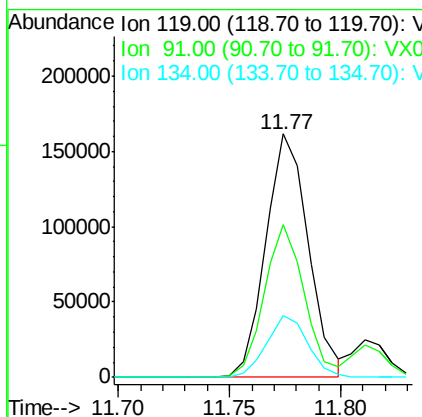
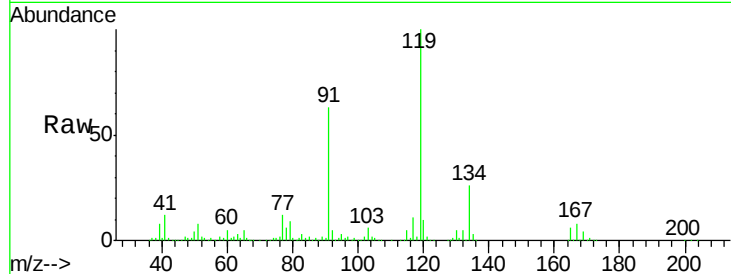
#83
tert-Butylbenzene
Concen: 19.43 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	213931		
91	59.2	27.6	82.8	
134	24.8	11.5	34.5	

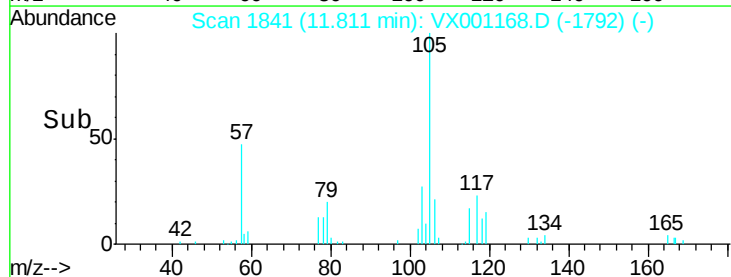
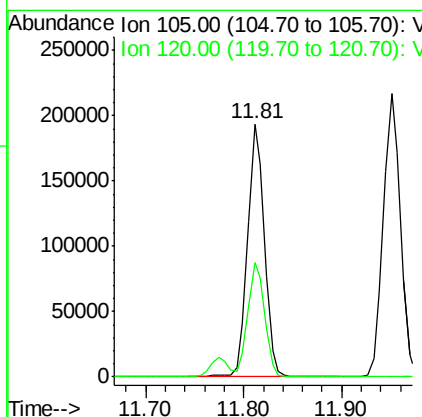
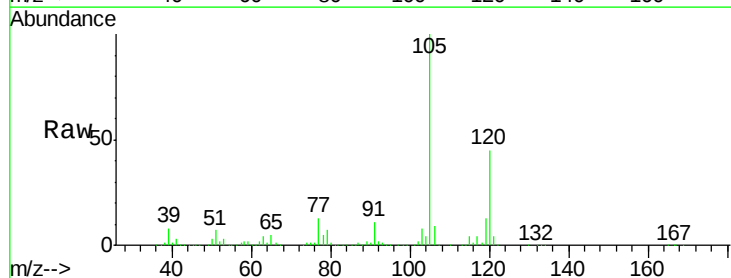
Manual Integrations
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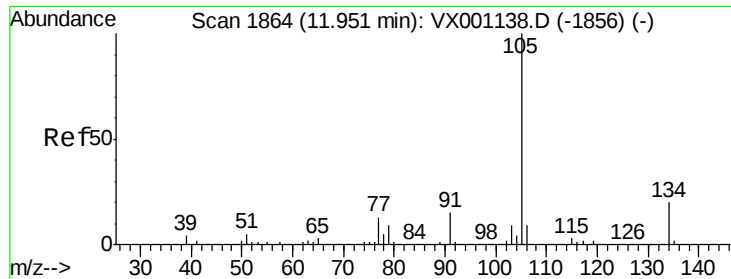
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#84
1,2,4-Trimethylbenzene
Concen: 20.43 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231689		
120	44.9	22.4	67.3	





#85

sec-Butylbenzene

Concen: 20.64 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS01

Tot Ion:105 Resp: 265469

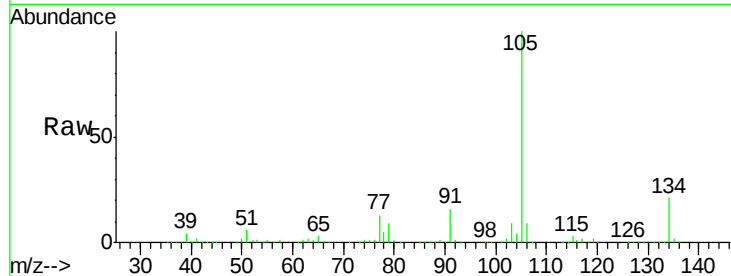
Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

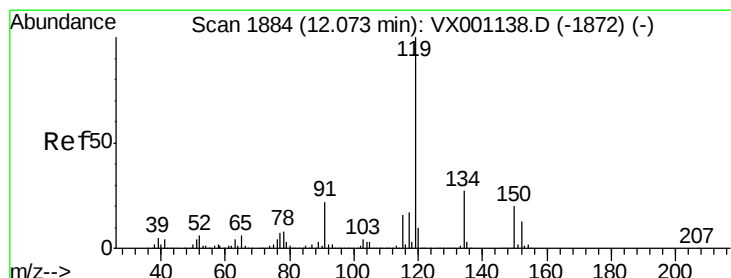
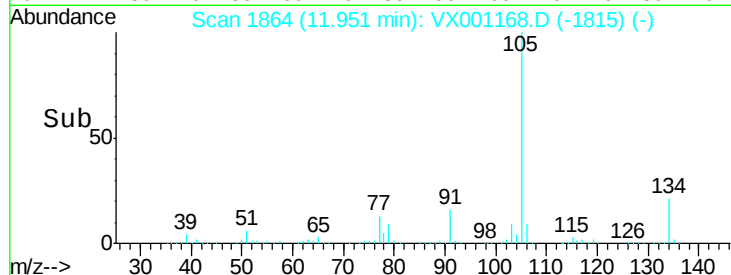
100000

50000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.25 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001168.D

Acq: 27 Apr 2018 14:11

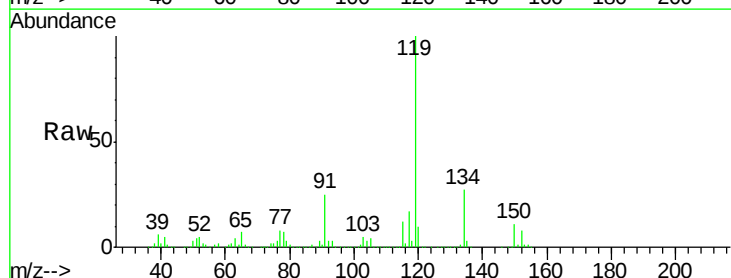
Tgt Ion:119 Resp: 242346

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 23.5 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

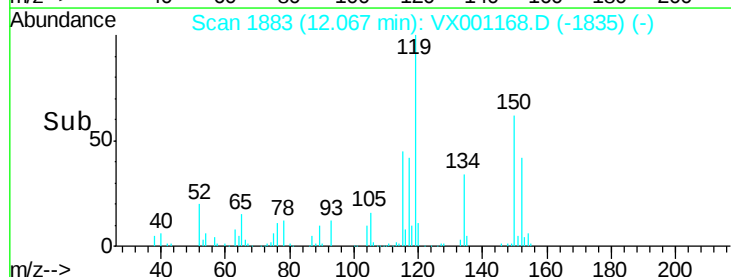
100000

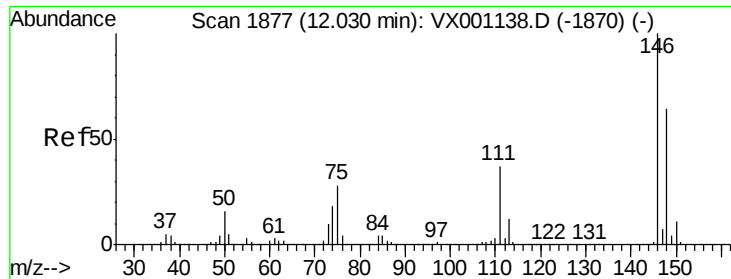
50000

0

12.00 12.10

Time-->





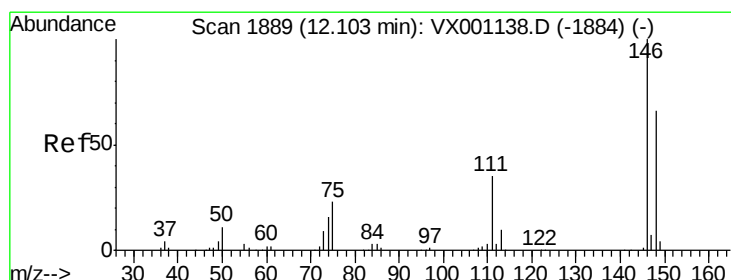
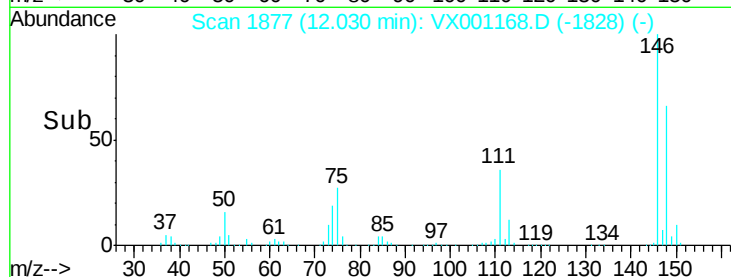
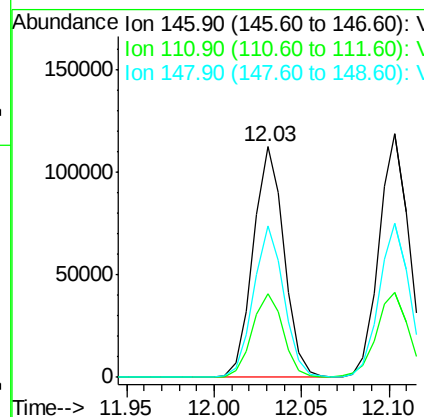
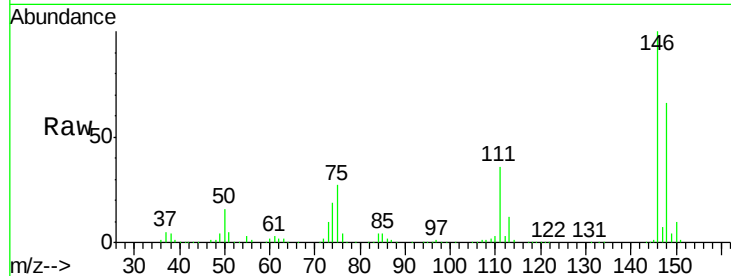
#87
 1,3-Dichlorobenzene
 Concen: 20.02 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.6	56.0
148	64.4	32.3	96.8

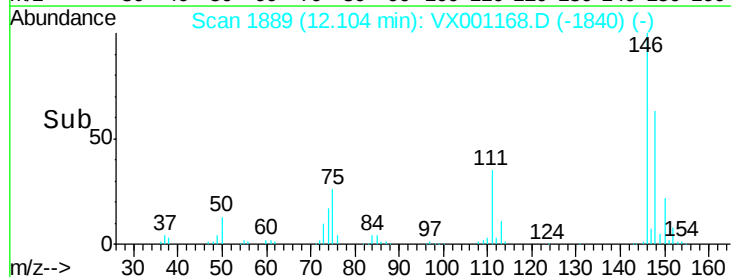
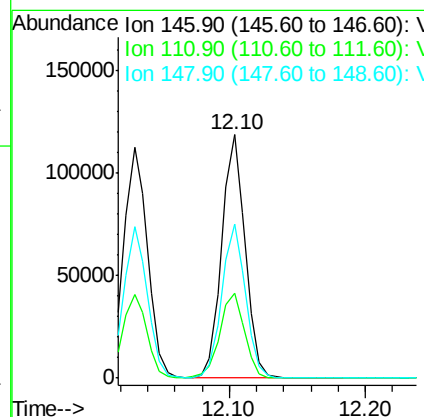
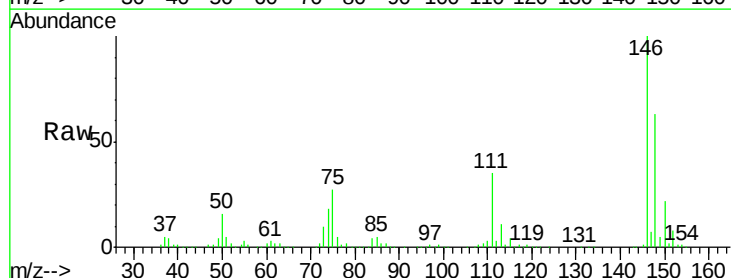
Manual Integrations
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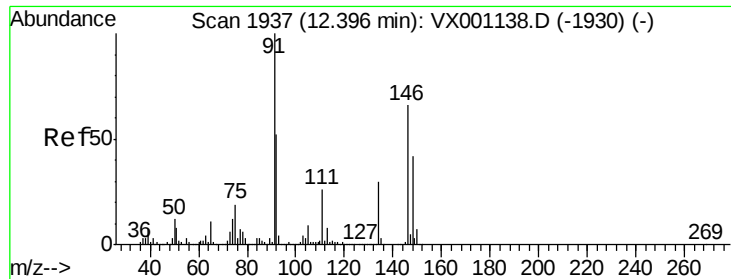
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 4/30/2018 6:04:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.56 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.0	54.0
148	64.3	32.5	97.5





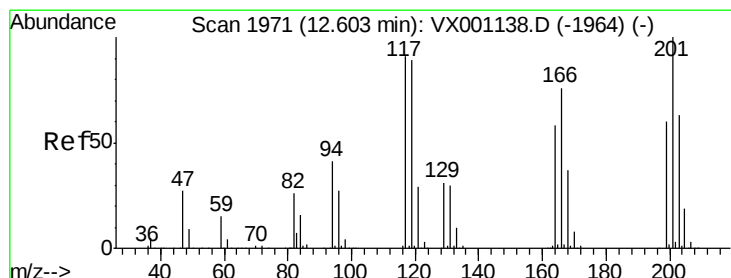
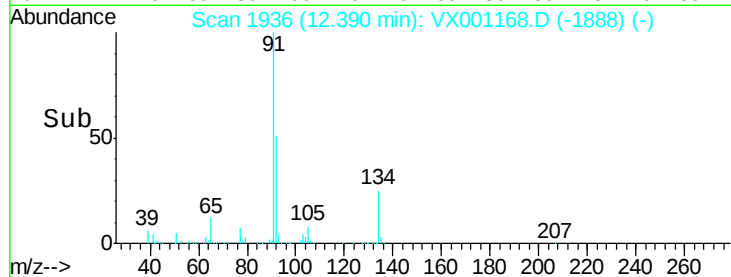
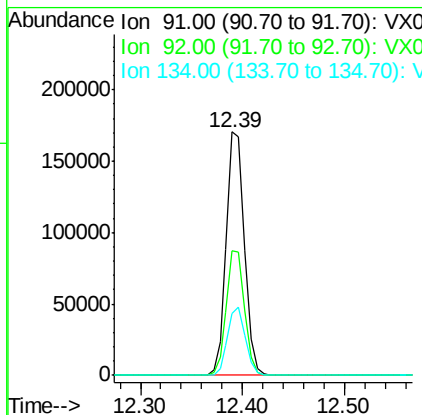
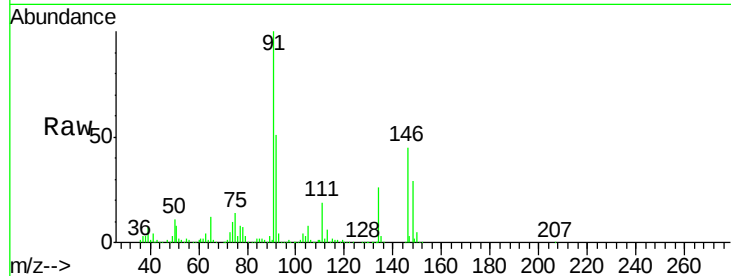
#89
n-Butylbenzene
Concen: 20.22 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.2	78.6
134	27.5	14.1	42.3

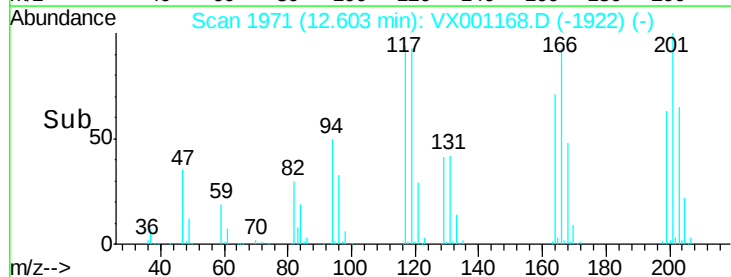
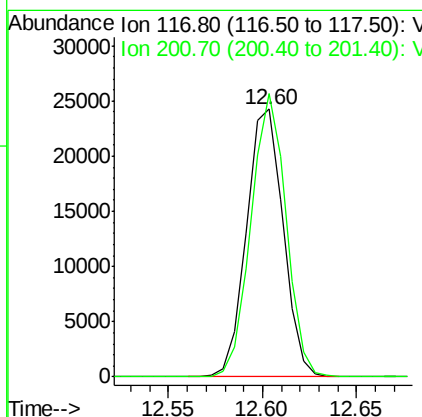
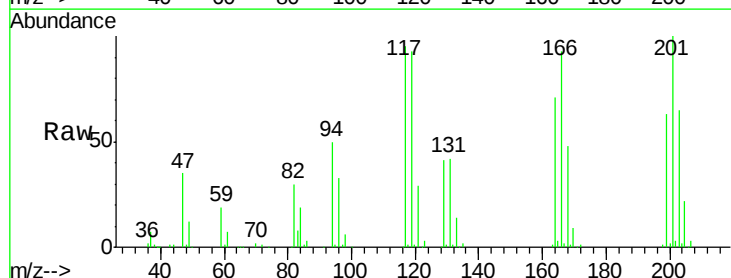
Manual Integrations
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#90
Hexachloroethane
Concen: 19.20 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.7	51.8	155.4





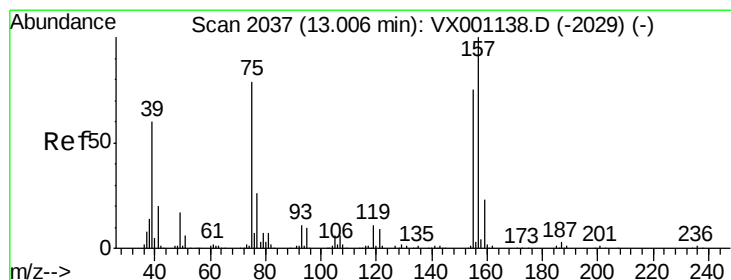
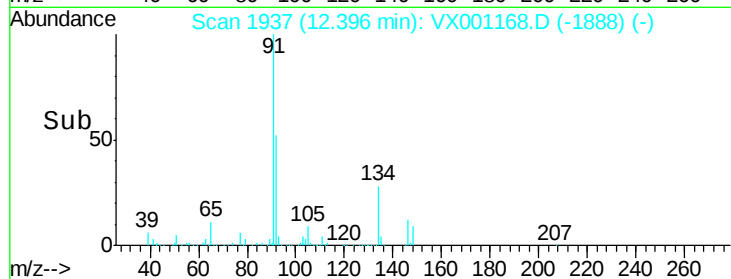
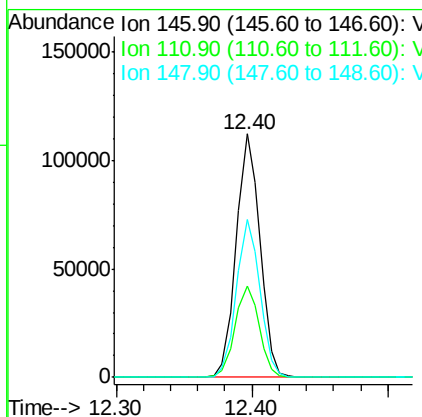
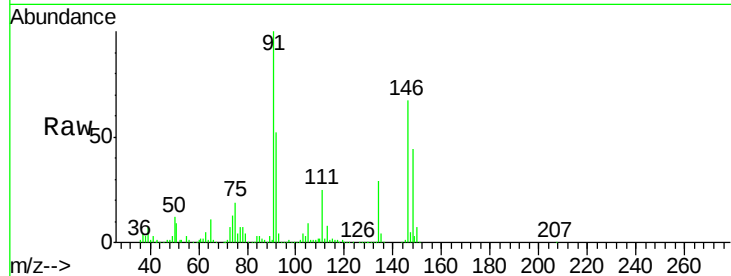
#91
 1,2-Dichlorobenzene
 Concen: 19.50 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.4	32.2	96.6

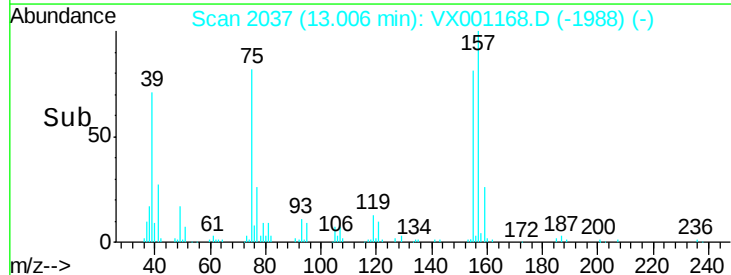
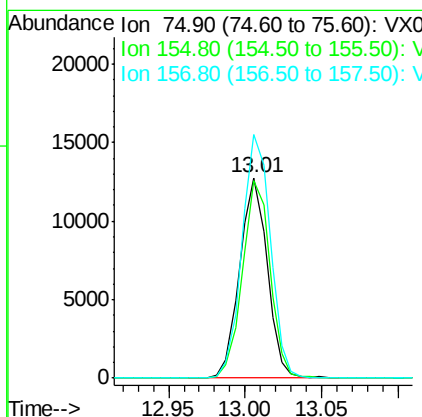
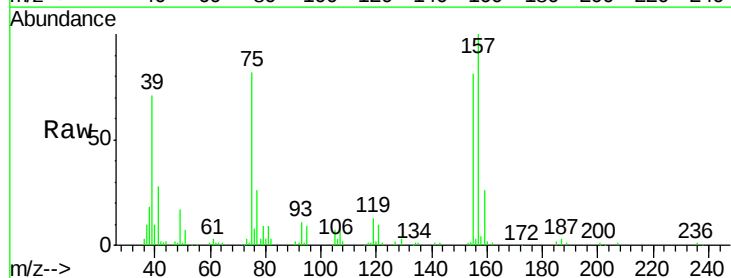
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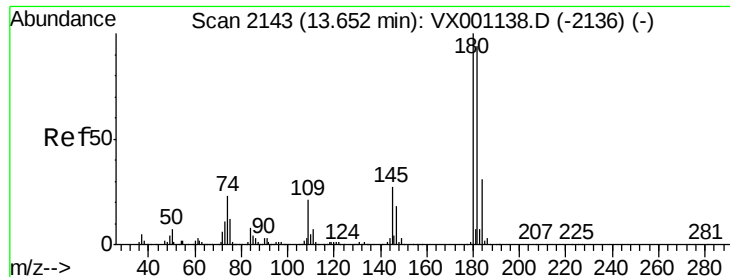
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.80 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.0	48.4	145.3
157	124.7	62.7	188.1





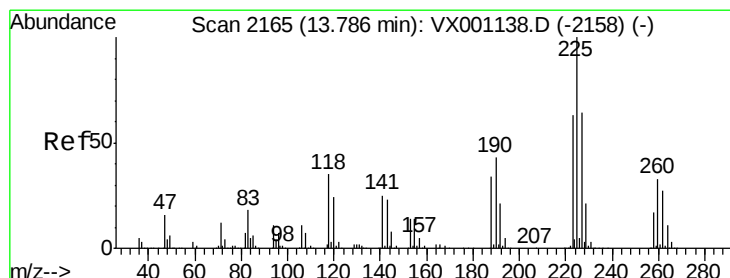
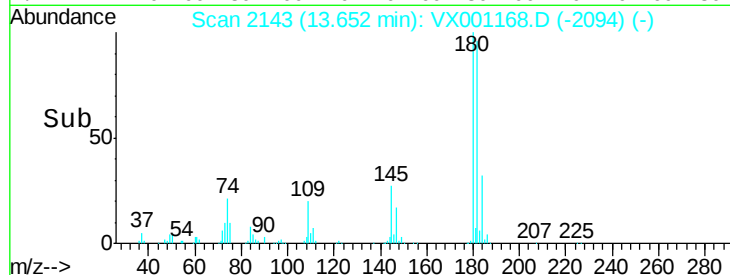
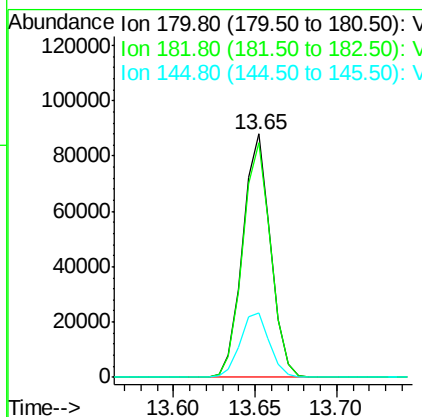
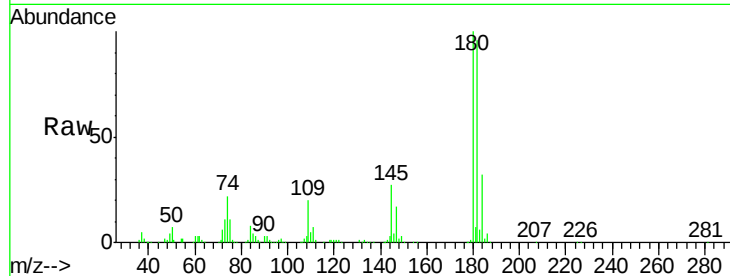
#93
 1,2,4-Trichlorobenzene
 Concen: 19.00 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104462		
182	97.5	47.9	143.6	
145	27.8	13.8	41.4	

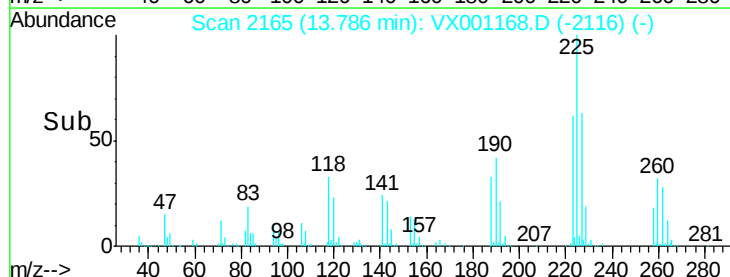
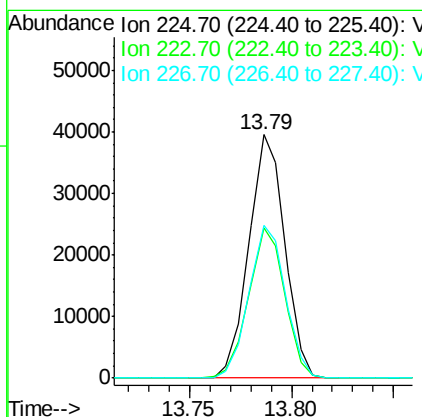
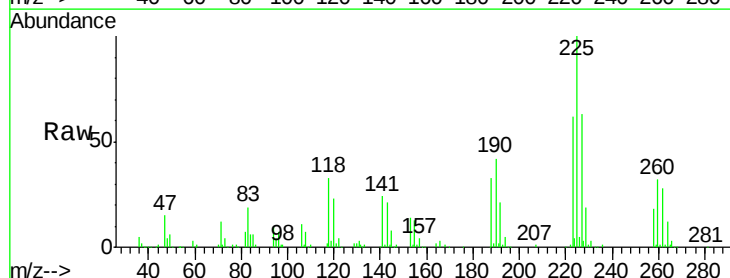
Manual Integrations
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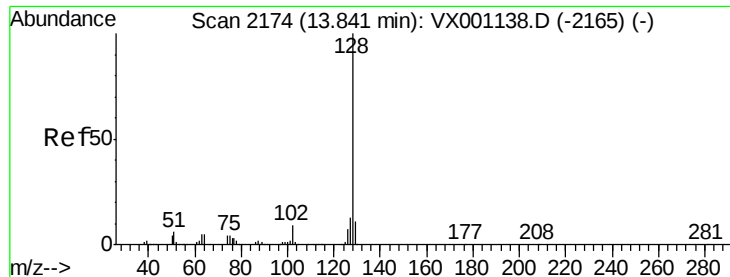
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#94
 Hexachlorobutadiene
 Concen: 18.78 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001168.D
 Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48523		
223	61.9	31.3	93.9	
227	63.6	32.2	96.6	





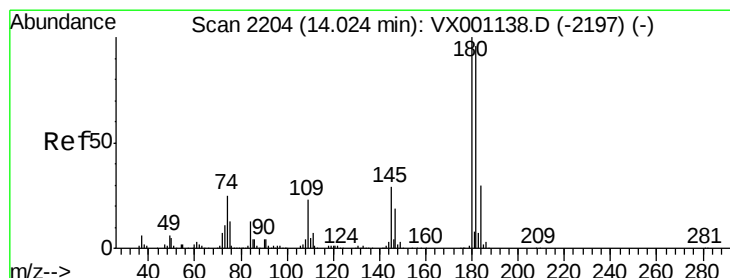
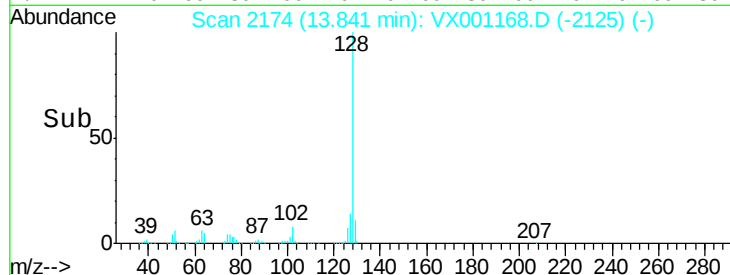
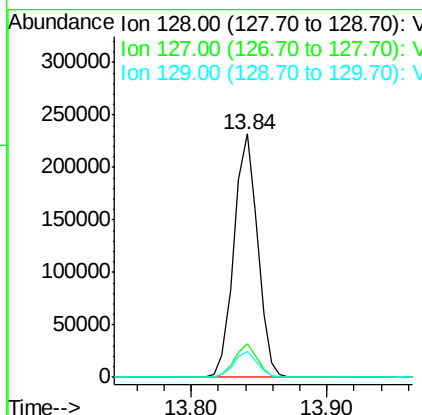
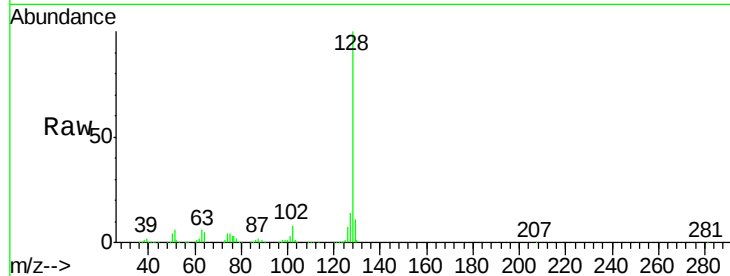
#95
Naphthalene
Concen: 18.26 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.6	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.15 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001168.D
Acq: 27 Apr 2018 14:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.2	144.6
145	28.9	14.5	43.5

