

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042818\
 Data File : VX001232.D
 Acq On : 29 Apr 2018 00:03
 Operator : JC/MD
 Sample : VX0428WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

Manual Integrations
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 5/1/2018 7:46:33 PM

Quant Time: Apr 30 03:25:17 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	190833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	258365	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	247242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	165630	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	128092	43.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.60%	
35) Dibromofluoromethane	5.51	113	103727	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	8.72	98	389352	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	11.14	95	147671	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	38704	19.34	ug/l	97
3) Chloromethane	1.32	50	37672	17.97	ug/l	100
4) Vinyl Chloride	1.40	62	43578	19.60	ug/l	100
5) Bromomethane	1.64	94	33752	23.63	ug/l	99
6) Chloroethane	1.73	64	27949	19.97	ug/l	98
7) Trichlorofluoromethane	1.93	101	76566	21.32	ug/l	100
8) Diethyl Ether	2.19	74	26565	19.24	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41249	20.85	ug/l	99
10) Methyl Iodide	2.51	142	41238	24.38	ug/l	99
11) Tert butyl alcohol	3.08	59	54739	93.84	ug/l	98
12) 1,1-Dichloroethene	2.37	96	39174	20.30	ug/l	97
13) Acrolein	2.30	56	17127	77.66	ug/l	99
14) Allyl chloride	2.73	41	69391	19.71	ug/l	98
15) Acrylonitrile	3.15	53	118078	94.79	ug/l	99
16) Acetone	2.45	43	110145	90.55	ug/l	99
17) Carbon Disulfide	2.57	76	92491	18.78	ug/l	96
18) Methyl Acetate	2.78	43	61892	20.33	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	139736	19.67	ug/l	97
20) Methylene Chloride	2.86	84	44262	19.54	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	42343	19.85	ug/l	98
22) Diisopropyl ether	3.88	45	129740	18.42	ug/l	94
23) Vinyl Acetate	3.83	43	548346	91.76	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70677	19.09	ug/l	99
25) 2-Butanone	4.71	43	157929	86.77	ug/l	100
26) 2,2-Dichloropropane	4.59	77	41762	14.33	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	46401	19.87	ug/l	95
28) Bromochloromethane	5.03	49	30258	18.23	ug/l	96
29) Tetrahydrofuran	5.17	42	101631	86.84	ug/l	99
30) Chloroform	5.23	83	76657	19.47	ug/l	97
31) Cyclohexane	5.58	56	62399	19.84	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	66985	19.71	ug/l	100
36) 1,1-Dichloropropene	5.81	75	55286	19.42	ug/l	99
37) Ethyl Acetate	4.87	43	61460	18.03	ug/l	100
38) Carbon Tetrachloride	5.79	117	57986	19.86	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	61710	19.58	ug/l	98
40) Benzene	6.15	78	167827	20.38	ug/l	100
41) Methacrylonitrile	5.07	41	34354	17.93	ug/l	99
42) 1,2-Dichloroethane	6.21	62	65095	19.61	ug/l	100
43) Isopropyl Acetate	6.48	43	98209	18.34	ug/l	100
44) Trichloroethene	7.22	130	50112	20.42	ug/l	94
45) 1,2-Dichloropropane	7.53	63	43010	19.85	ug/l	99
46) Dibromomethane	7.67	93	30078	20.05	ug/l	98
47) Bromodichloromethane	7.91	83	52696	19.33	ug/l	99
48) Methyl methacrylate	7.79	41	52244	18.36	ug/l	99
49) 1,4-Dioxane	7.76	88	20632	362.07	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	330062	93.84	ug/l	98
52) Toluene	8.79	92	110499	20.52	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	59201	18.68	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	54334	17.98	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	44825	19.67	ug/l	98
56) Ethyl methacrylate	9.19	69	63076	18.68	ug/l	98
57) 1,3-Dichloropropane	9.38	76	73576	19.96	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	150037	94.00	ug/l	100
59) 2-Hexanone	9.51	43	250532	90.91	ug/l	98
60) Dibromochloromethane	9.59	129	44269	18.86	ug/l	99
61) 1,2-Dibromoethane	9.68	107	47462	19.88	ug/l	99
64) Tetrachloroethene	9.34	164	57756	21.88	ug/l	99
65) Chlorobenzene	10.14	112	130163	20.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	45264	20.20	ug/l	99
67) Ethyl Benzene	10.26	91	210731	20.02	ug/l	99
68) m/p-Xylenes	10.37	106	167022	40.14	ug/l	99
69) o-Xylene	10.71	106	80336	19.91	ug/l	100
70) Styrene	10.72	104	131680	19.61	ug/l	99
71) Bromoform	10.87	173	35365	18.47	ug/l #	99
73) Isopropylbenzene	11.02	105	218340	20.23	ug/l	100
74) N-amyl acetate	6.48	43	98209	18.05	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	67433	18.83	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	61646m	18.28	ug/l	
77) Bromobenzene	11.26	156	64113	20.03	ug/l	97
78) n-propylbenzene	11.37	91	242452	20.14	ug/l	100
79) 2-Chlorotoluene	11.43	91	148601	19.91	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	184037	20.14	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	11880	15.20	ug/l	87
82) 4-Chlorotoluene	11.52	91	174559	19.68	ug/l	99
83) tert-Butylbenzene	11.77	119	178674	19.59	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	191925	20.43	ug/l	100
85) sec-Butylbenzene	11.95	105	218446	20.50	ug/l	99
86) p-Isopropyltoluene	12.07	119	199617	20.14	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	114515	19.93	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	118280	19.75	ug/l	100
89) n-Butylbenzene	12.40	91	167762	19.56	ug/l	99
90) Hexachloroethane	12.60	117	27353	19.32	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	115040	19.80	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13865	17.54	ug/l	98

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MSVOA_X
ClientSampleId :
VX0428WBSD02

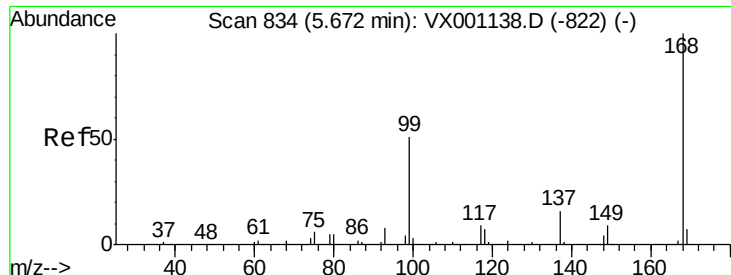
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	87686	19.26	ug/l	99
94) Hexachlorobutadiene	13.79	225	42352	19.79	ug/l	99
95) Naphthalene	13.84	128	243016	19.15	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	90044	19.87	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: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion:168 Resp: 190833

Ion Ratio Lower Upper

168 100

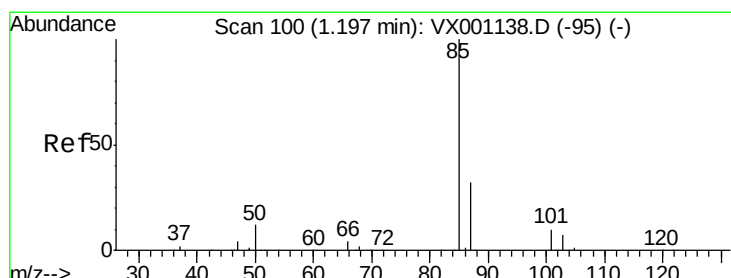
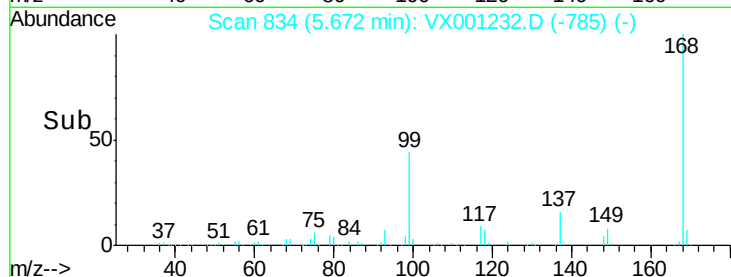
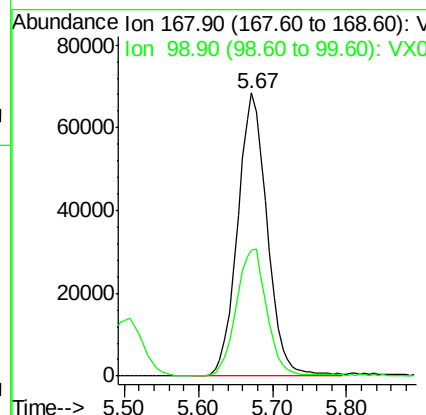
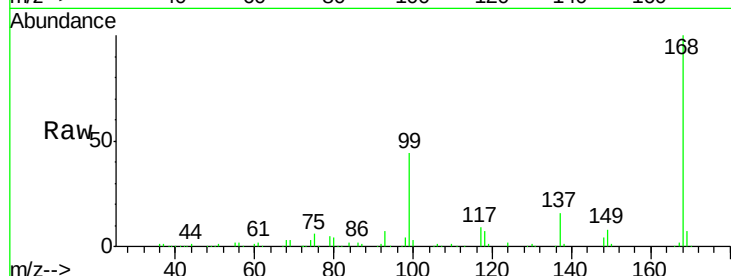
99 44.3 40.6 60.8

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#2

Dichlorodifluoromethane

Concen: 19.34 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001232.D

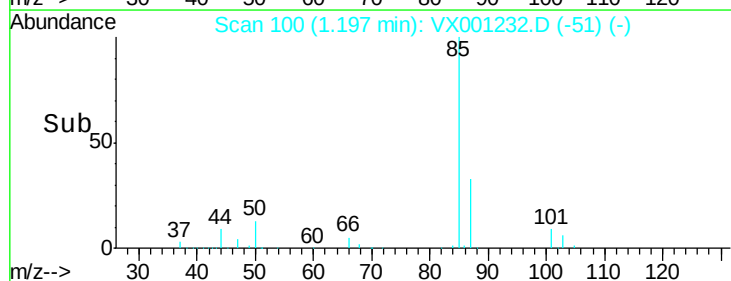
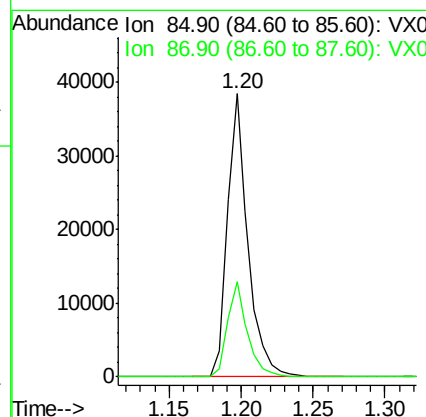
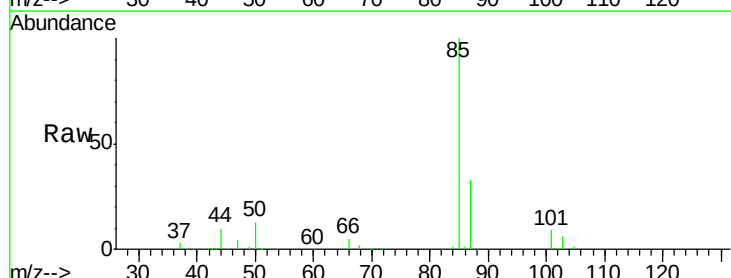
Acq: 29 Apr 2018 00:03

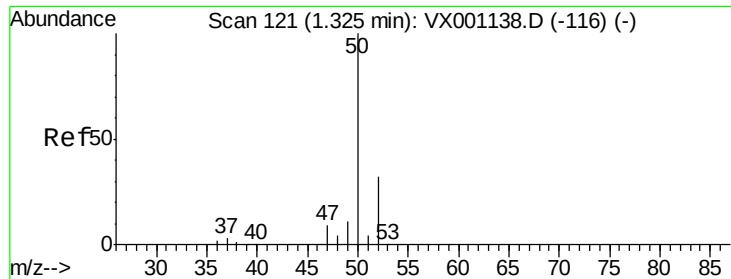
Tgt Ion: 85 Resp: 38704

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.6





#3

Chloromethane

Concen: 17.97 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion: 50 Resp: 37672

Ion Ratio Lower Upper

50 100

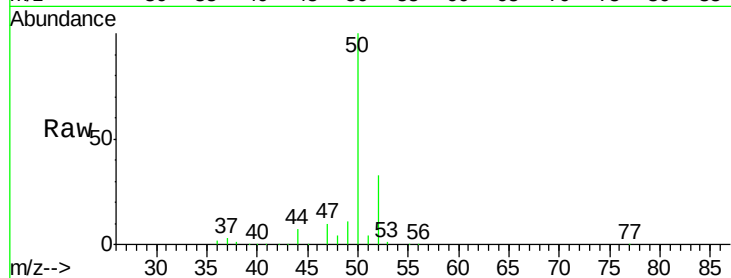
52 32.5 25.9 38.9

Manual Integrations

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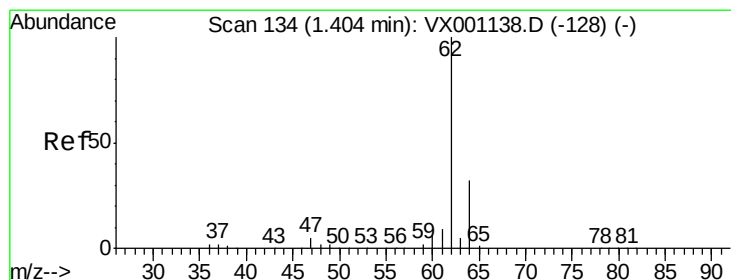
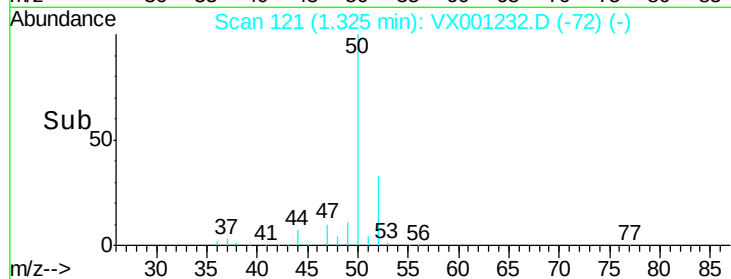
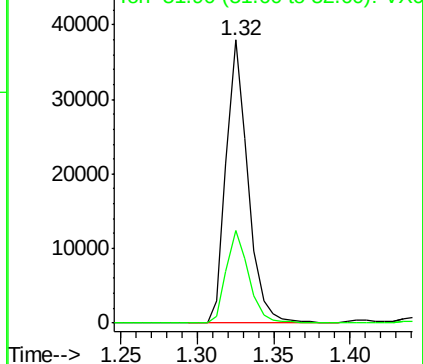
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.60 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001232.D

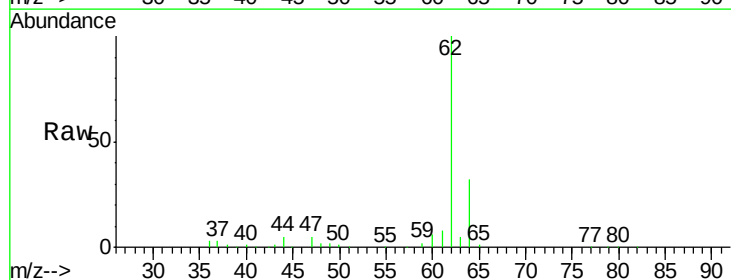
Acq: 29 Apr 2018 00:03

Tgt Ion: 62 Resp: 43578

Ion Ratio Lower Upper

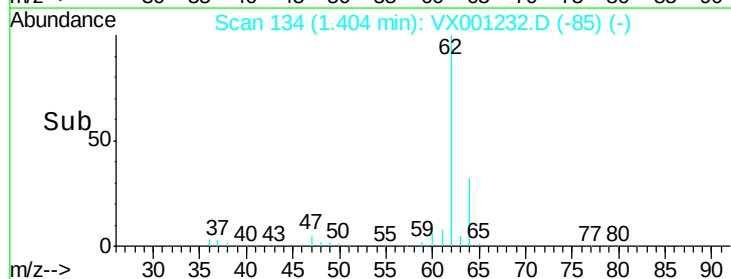
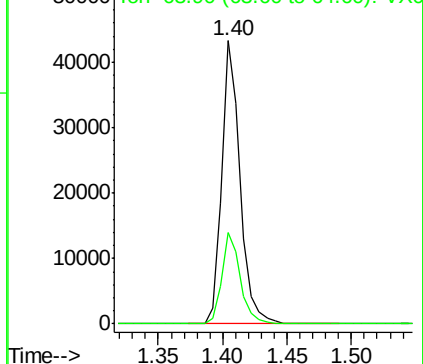
62 100

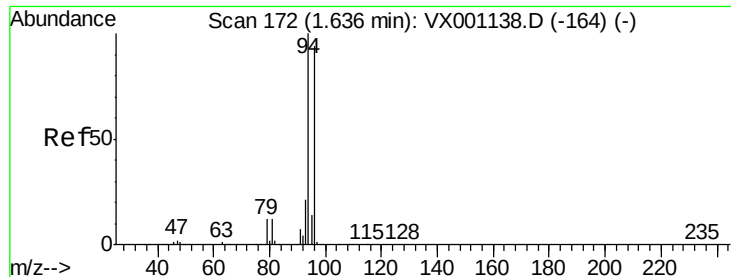
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.63 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion: 94 Resp: 33752

Ion Ratio Lower Upper

94 100

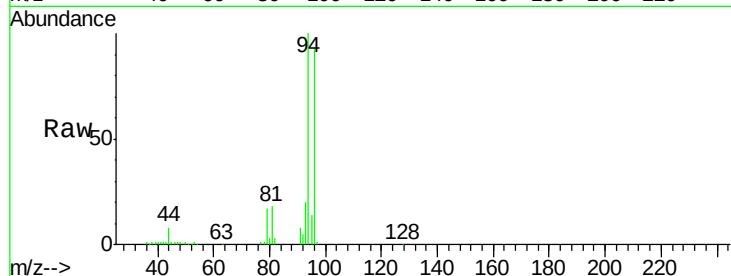
96 93.1 75.3 112.9

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

30000

25000

20000

15000

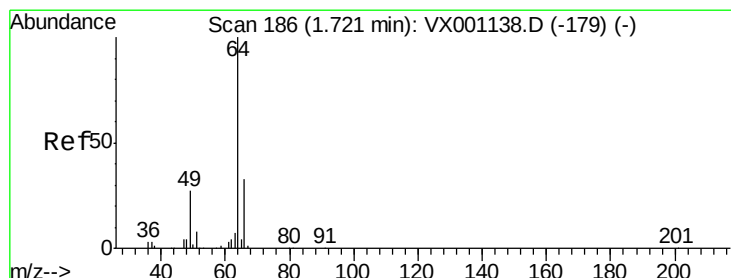
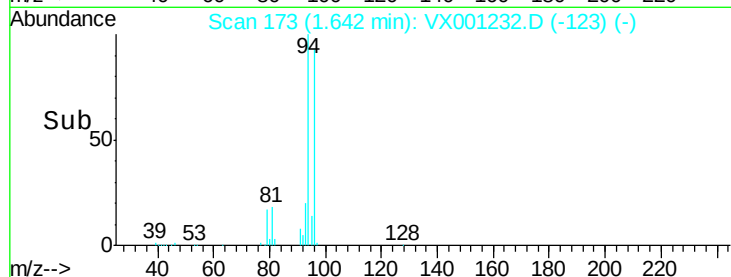
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5000

0

Time-->

1.50 1.60 1.70 1.80



#6

Chloroethane

Concen: 19.97 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001232.D

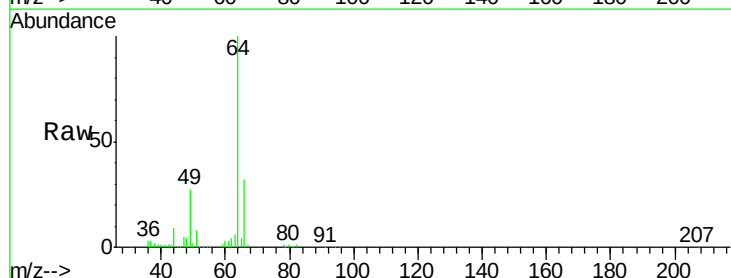
Acq: 29 Apr 2018 00:03

Tgt Ion: 64 Resp: 27949

Ion Ratio Lower Upper

64 100

66 31.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

25000

20000

15000

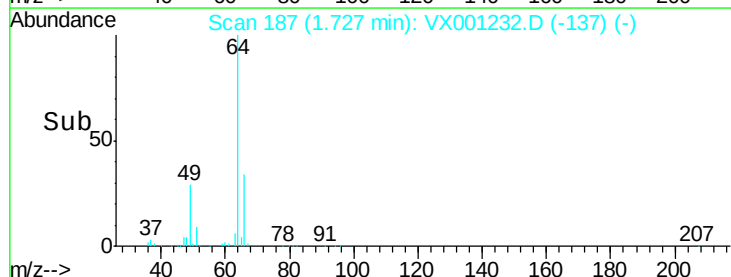
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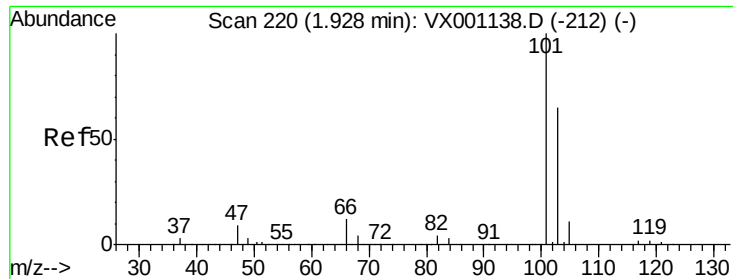
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Time-->

1.65 1.70 1.75 1.80





#7

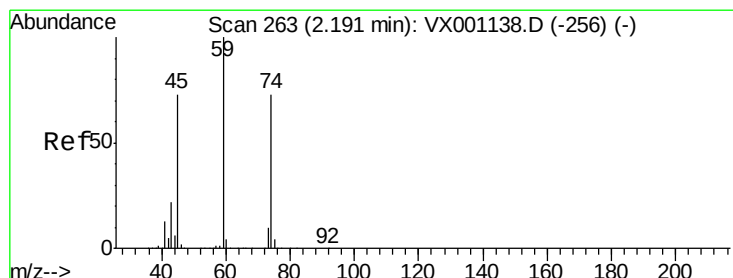
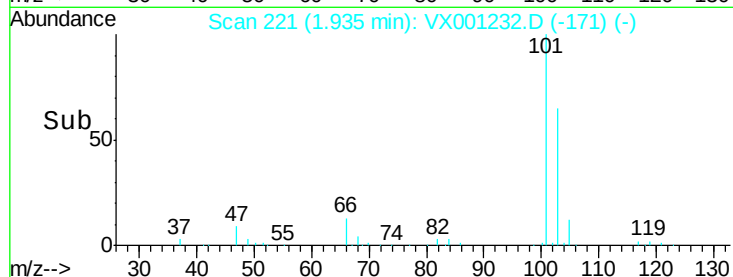
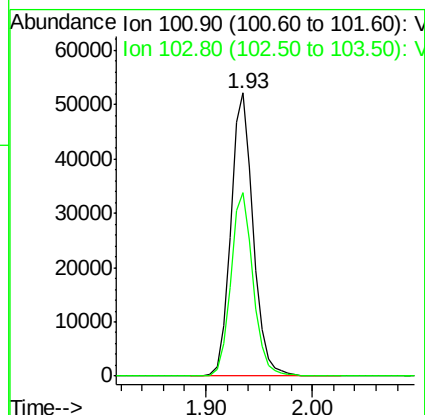
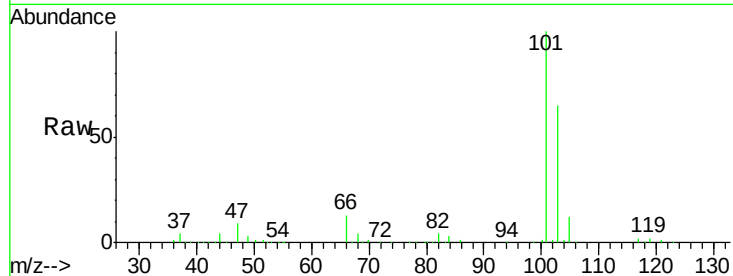
Trichlorofluoromethane
Concen: 21.32 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

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ClientSampleId :
VX0428WBSD02

Tot Ion:101 Resp: 76566
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9

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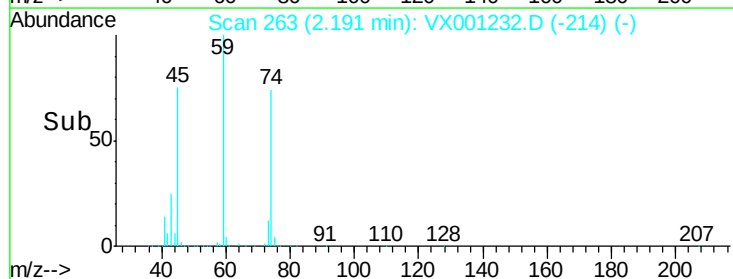
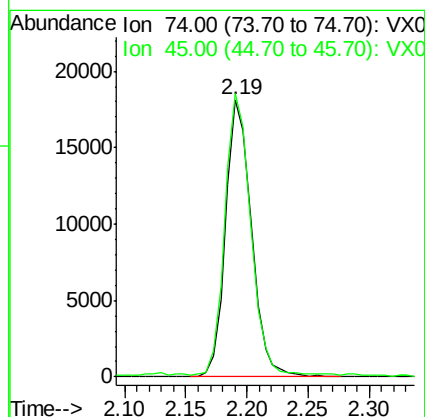
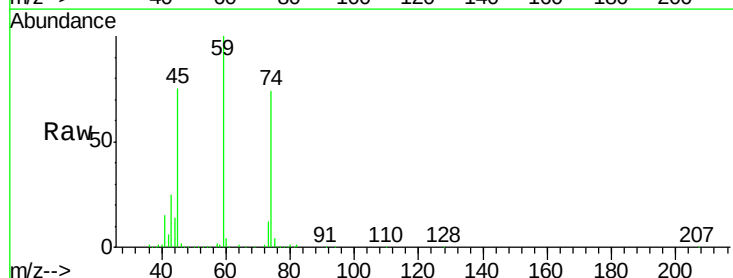
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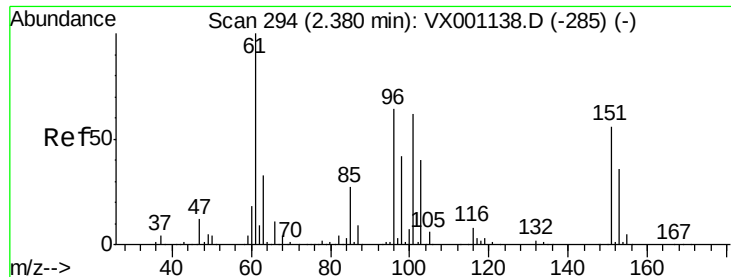


#8

Diethyl Ether
Concen: 19.24 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion: 74 Resp: 26565
Ion Ratio Lower Upper
74 100
45 103.0 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.85 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

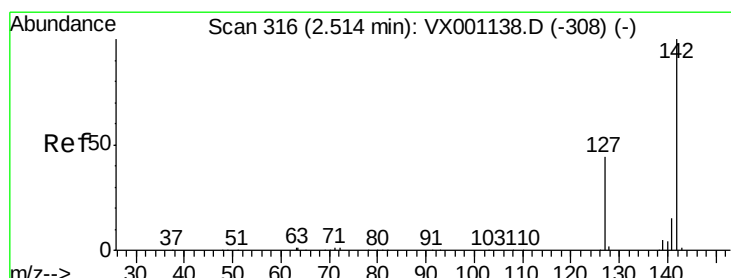
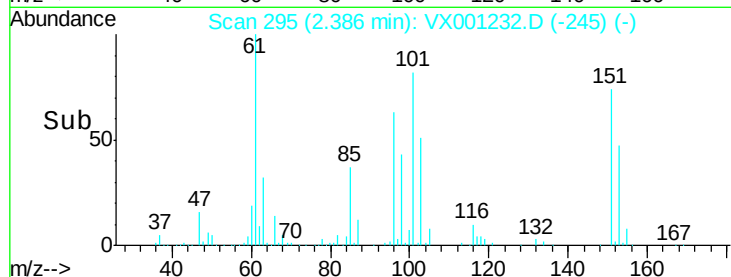
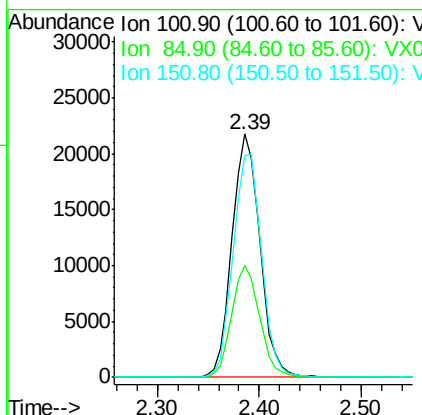
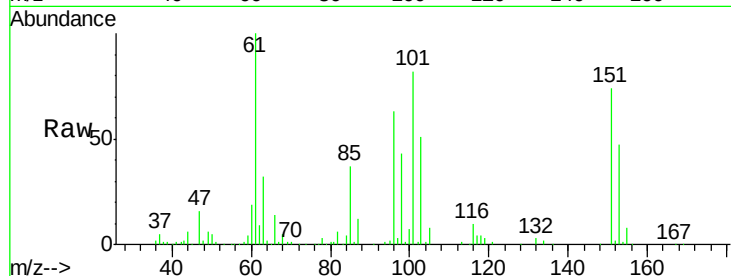
ClientSampleId :

VX0428WBSD02

Tot Ion:	101	Resp:	41249
Ion	Ratio	Lower	Upper
101	100		
85	45.6	35.4	53.0
151	93.8	74.2	111.4

Manual Integrations
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#10

Methyl Iodide

Concen: 24.38 ug/l

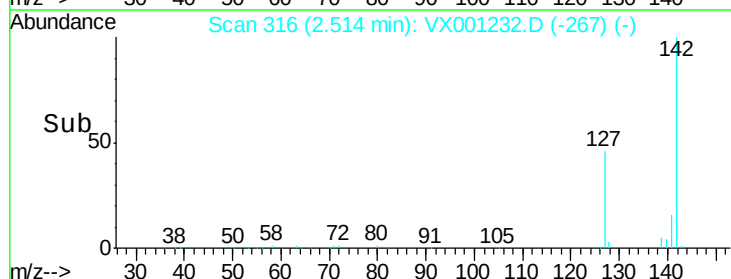
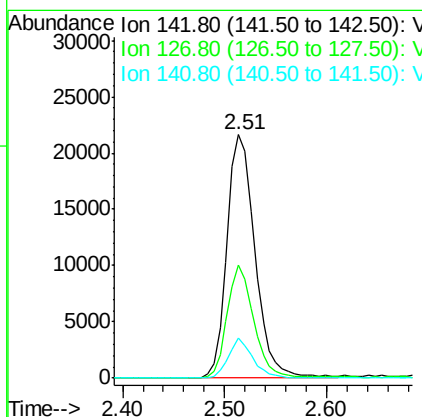
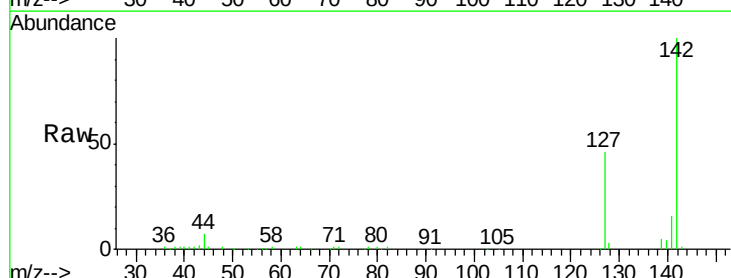
RT: 2.51 min Scan# 316

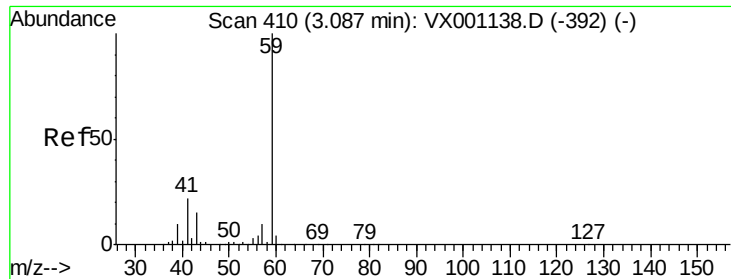
Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion:	142	Resp:	41238
Ion	Ratio	Lower	Upper
142	100		
127	43.8	34.7	52.1
141	14.3	11.6	17.4





#11

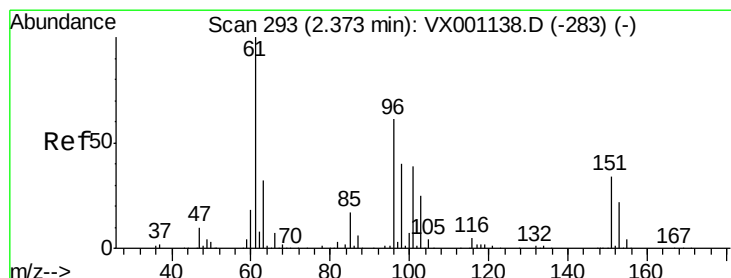
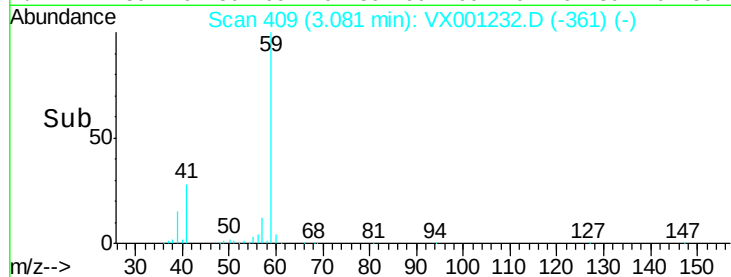
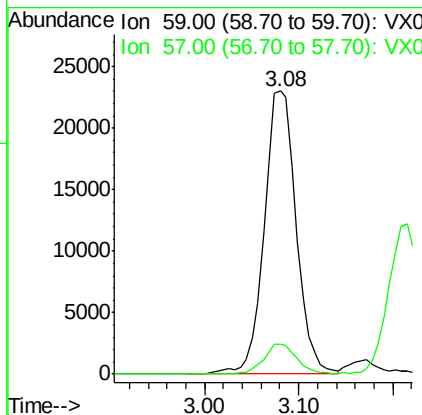
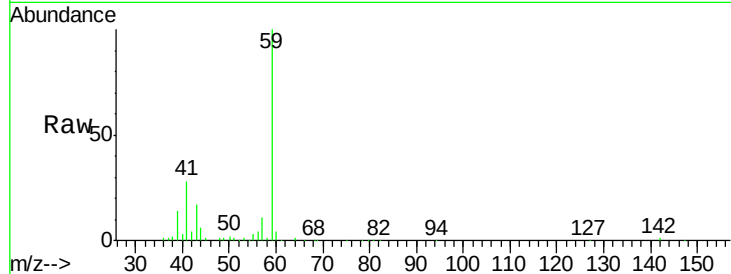
Tert butyl alcohol
Concen: 93.84 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampled :
VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.4

Manual Integrations
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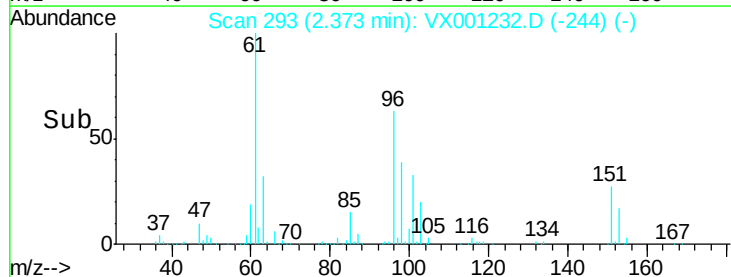
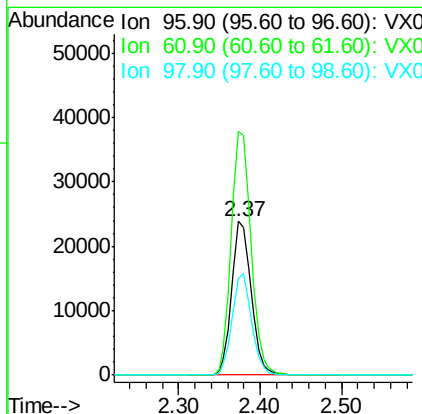
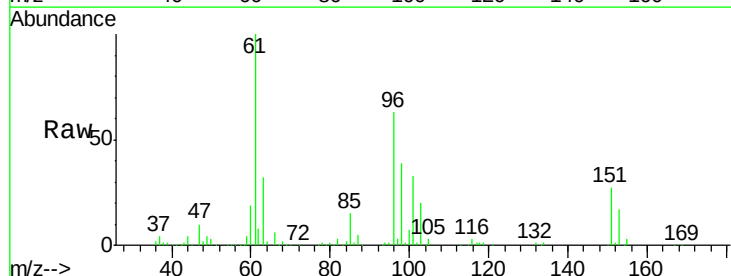
apatel
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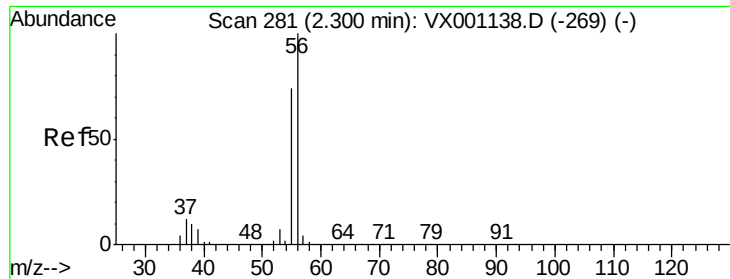


#12

1,1-Dichloroethene
Concen: 20.30 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	130.2	195.4
98	62.5	51.5	77.3





#13

Acrolein

Concen: 77.66 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion: 56 Resp: 17127

Ion Ratio Lower Upper

56 100

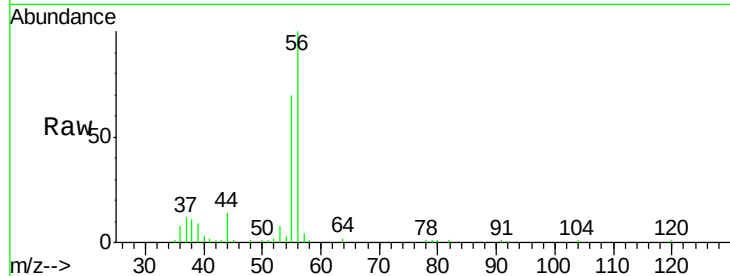
55 71.0 57.2 85.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

12000

10000

8000

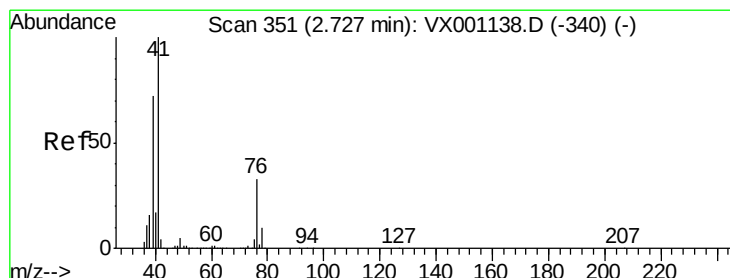
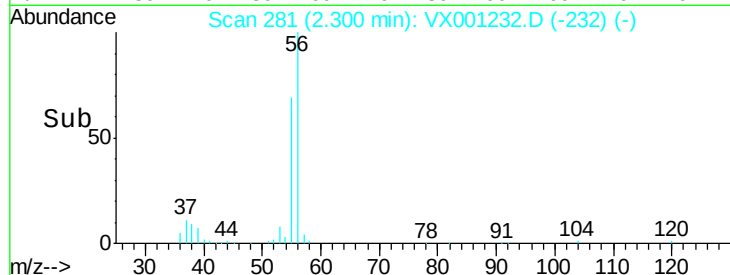
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 19.71 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

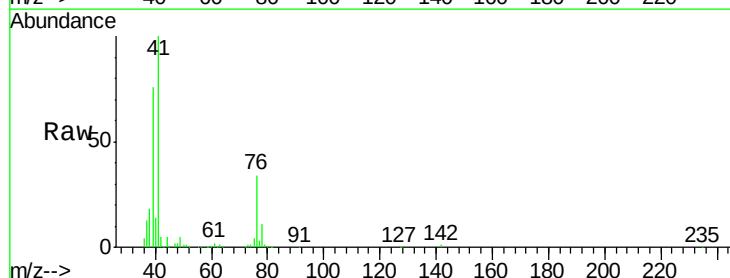
Tgt Ion: 41 Resp: 69391

Ion Ratio Lower Upper

41 100

39 71.2 55.6 83.4

76 30.5 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

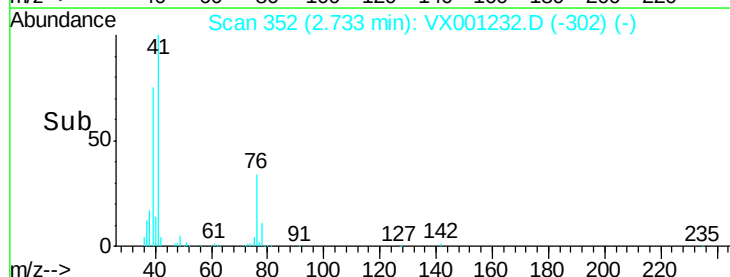
60000

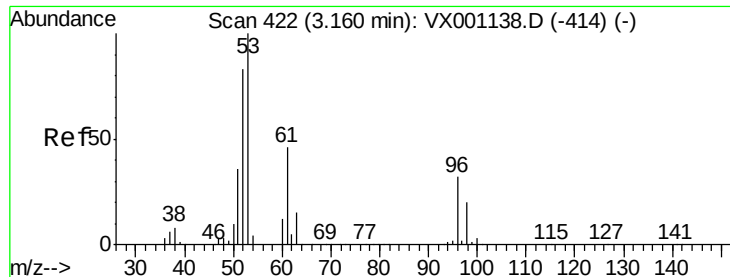
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 94.79 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

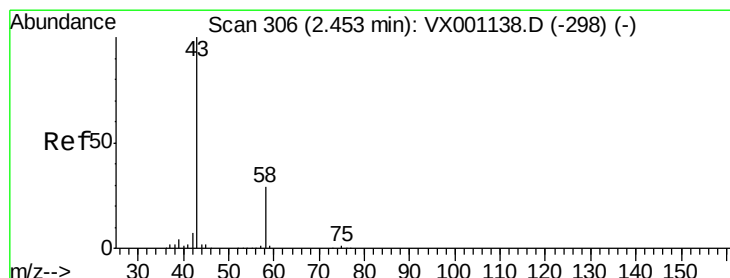
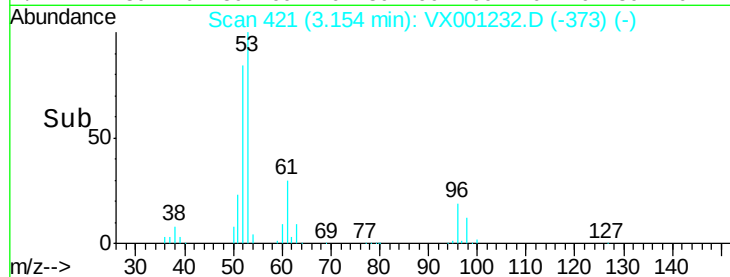
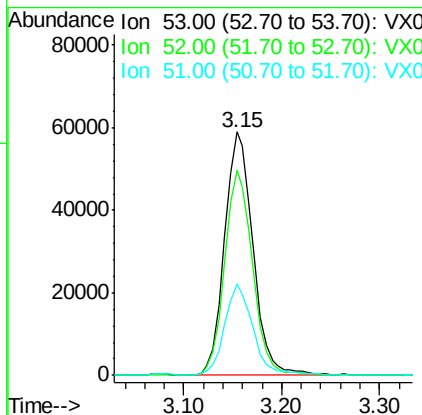
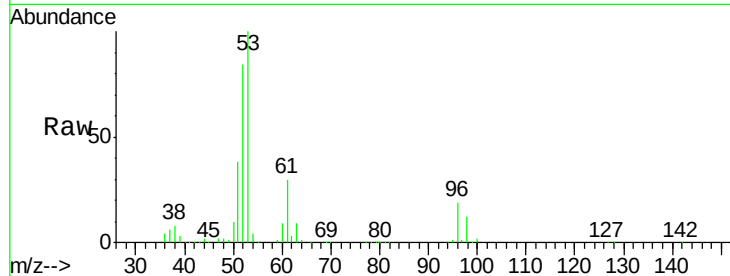
ClientSampleId :

VX0428WBSD02

Tot Ion:	53	Resp:	118078
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.5	99.7
51	38.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 90.55 ug/l

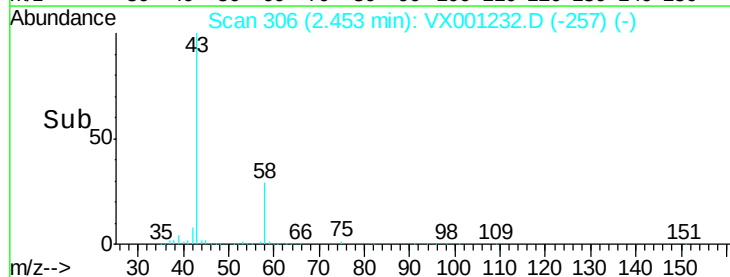
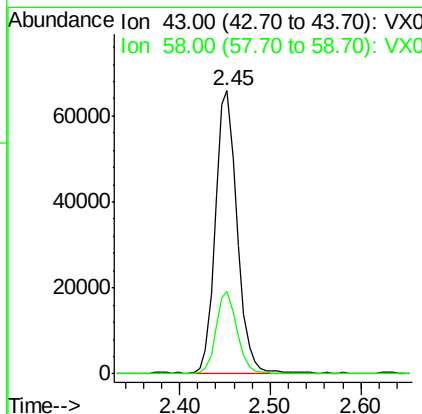
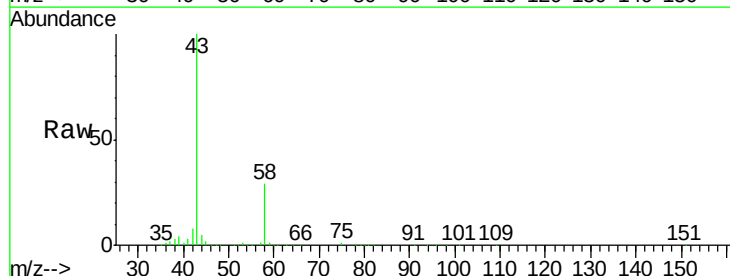
RT: 2.45 min Scan# 306

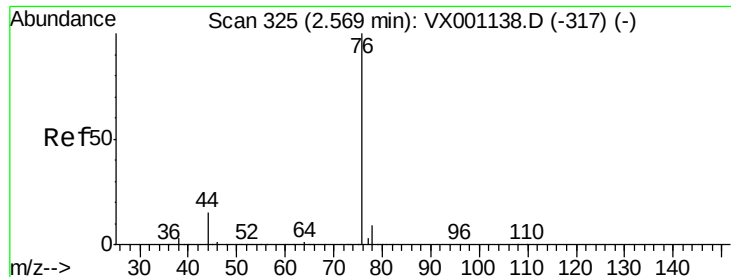
Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion:	43	Resp:	110145
Ion Ratio	Lower	Upper	
43	100		
58	29.3	23.0	34.6





#17

Carbon Disulfide

Concen: 18.78 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion: 76 Resp: 92491

Ion Ratio Lower Upper

76 100

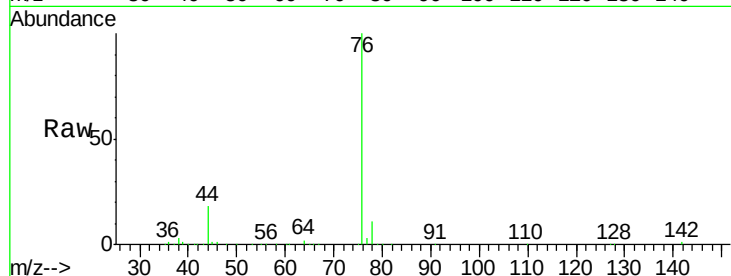
78 10.6 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

60000

50000

40000

30000

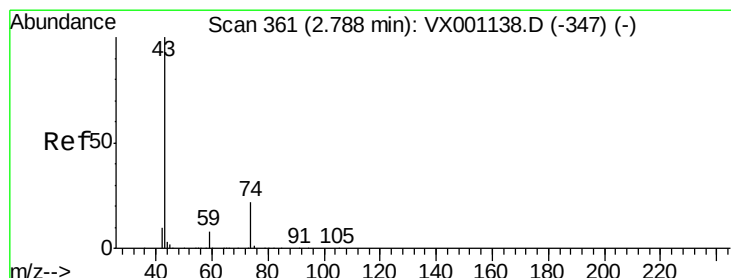
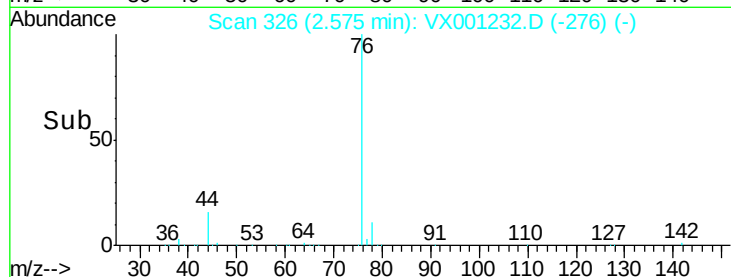
20000

10000

0

2.50 2.55 2.60 2.65

Time-->



#18

Methyl Acetate

Concen: 20.33 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX001232.D

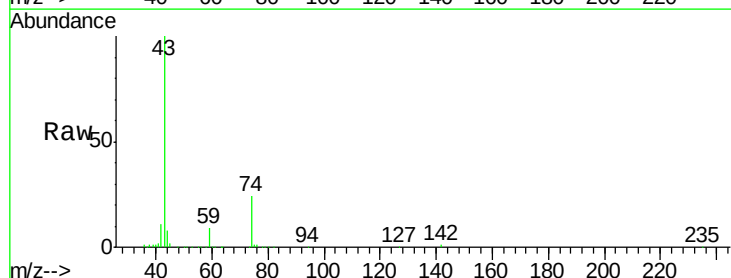
Acq: 29 Apr 2018 00:03

Tgt Ion: 43 Resp: 61892

Ion Ratio Lower Upper

43 100

74 22.8 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

40000

30000

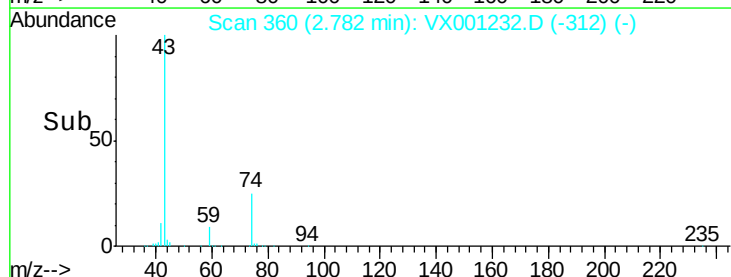
20000

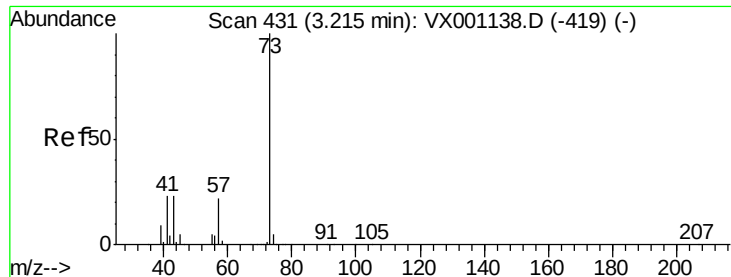
10000

0

2.70 2.80 2.90

Time-->





#19

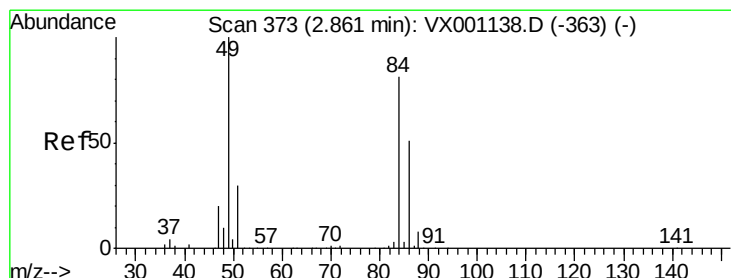
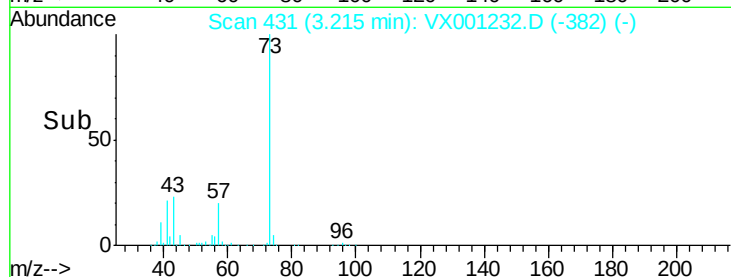
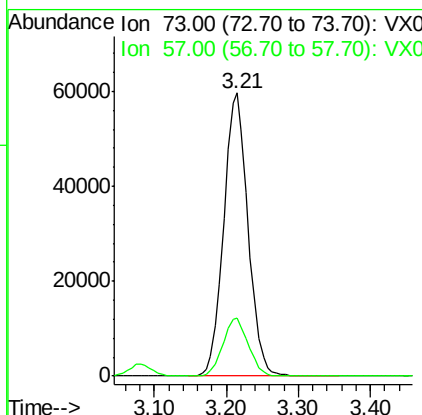
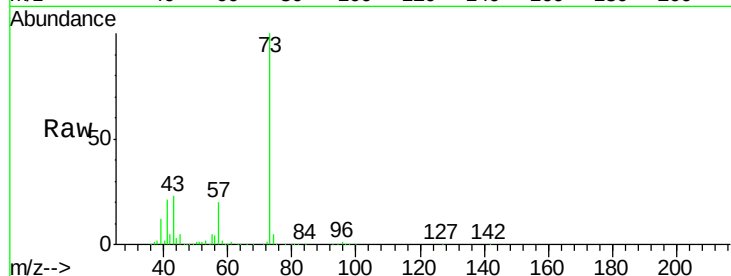
Methyl tert-butyl Ether
 Concen: 19.67 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

Tot Ion	73	Resp	139736
Ion Ratio	Lower	Upper	
73	100		
57	20.4	17.7	26.5

Manual Integrations
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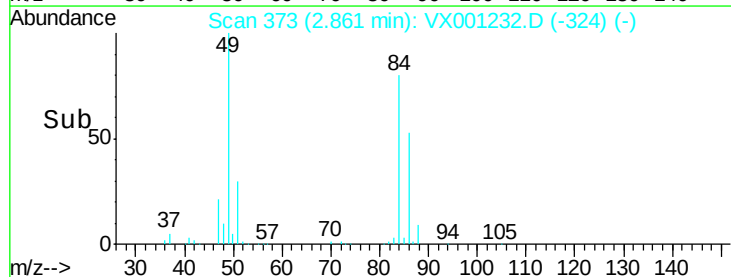
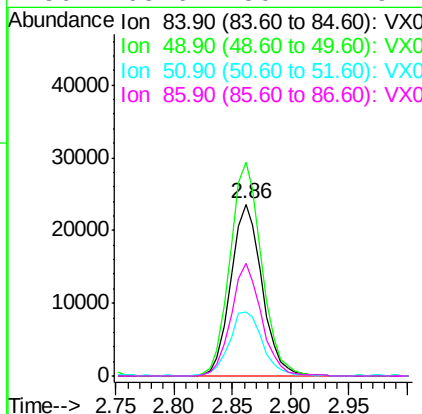
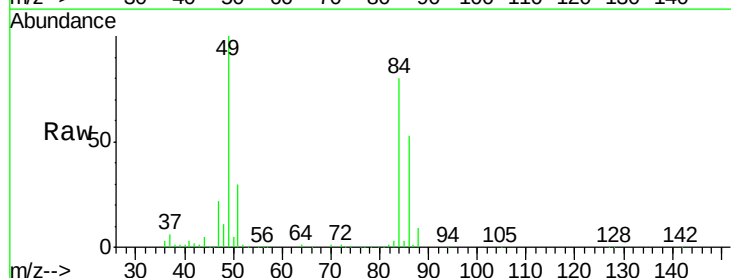
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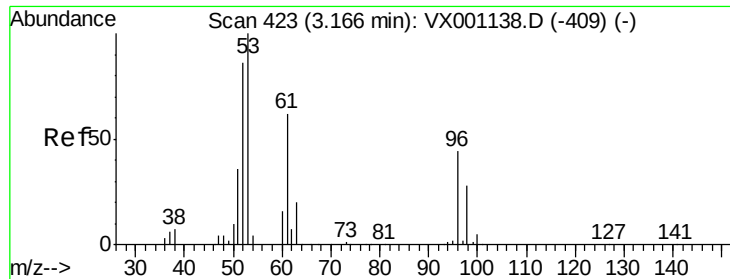


#20

Methylene Chloride
 Concen: 19.54 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion	84	Resp	44262
Ion Ratio	Lower	Upper	
84	100		
49	124.1	99.2	148.8
51	36.6	29.5	44.3
86	65.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 19.85 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

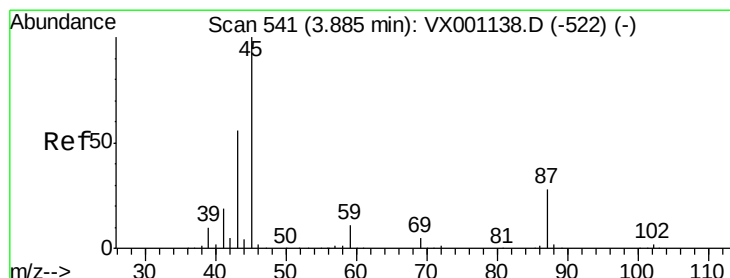
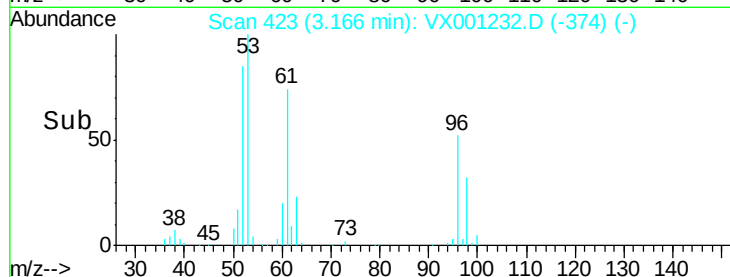
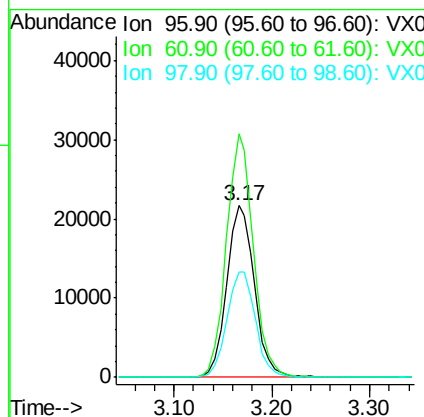
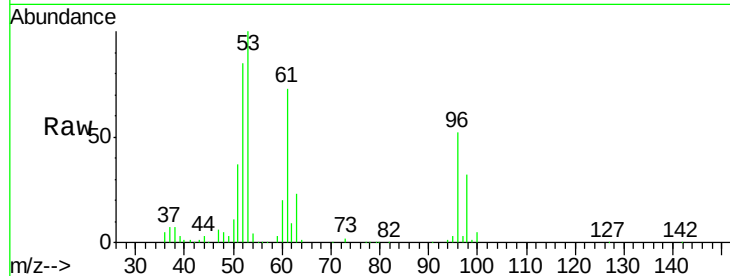
ClientSampleId :

VX0428WBSD02

Tot Ion:	96	Resp:	42343
Ion	Ratio	Lower	Upper
96	100		
61	142.0	111.9	167.9
98	61.3	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.42 ug/l

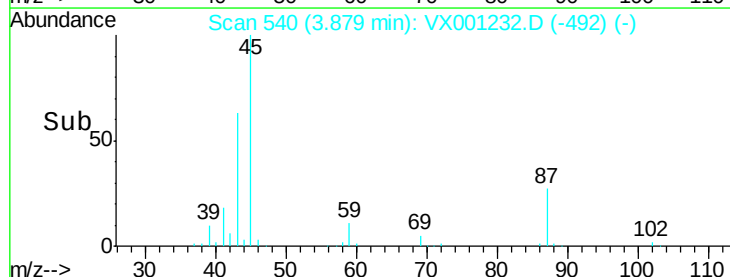
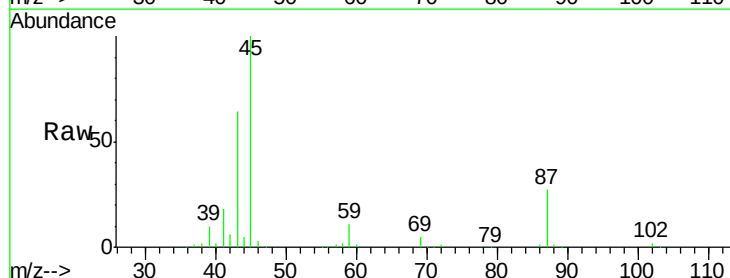
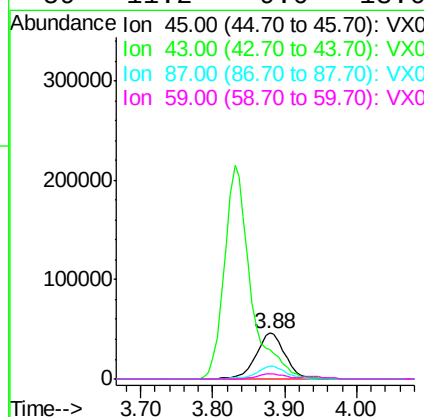
RT: 3.88 min Scan# 540

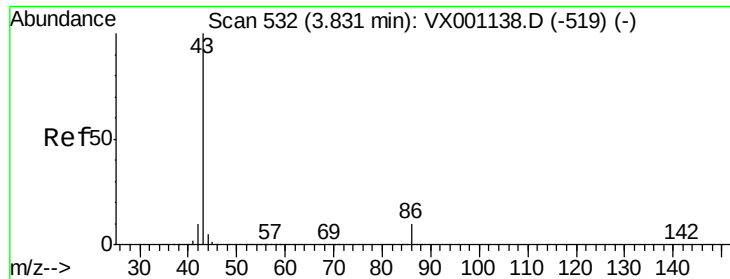
Delta R.T. -0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion:	45	Resp:	129740
Ion	Ratio	Lower	Upper
45	100		
43	63.4	45.0	67.4
87	27.3	22.8	34.2
59	11.2	9.0	13.6





#23

Vinyl Acetate

Concen: 91.76 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleID :

VX0428WBSD02

Tot Ion: 43 Resp: 548346

Ion Ratio Lower Upper

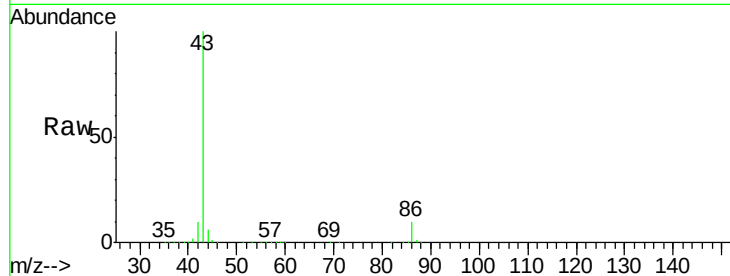
43 100

86 9.8 8.0 12.0

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

250000

200000

150000

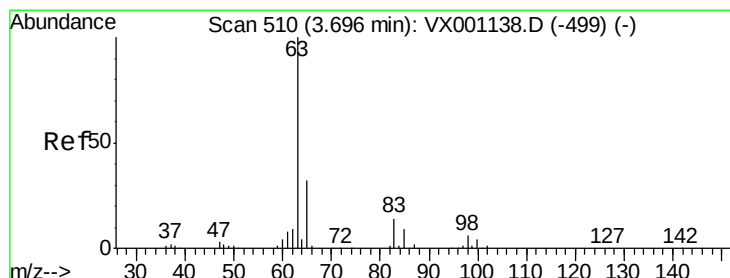
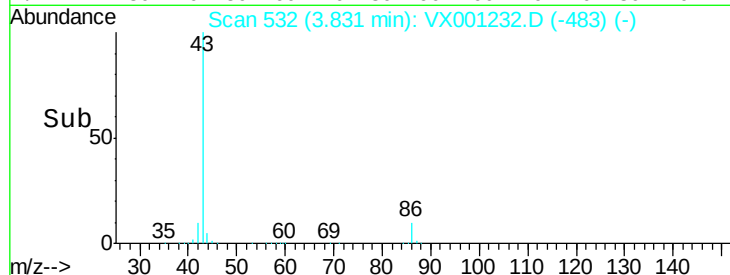
100000

50000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.09 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

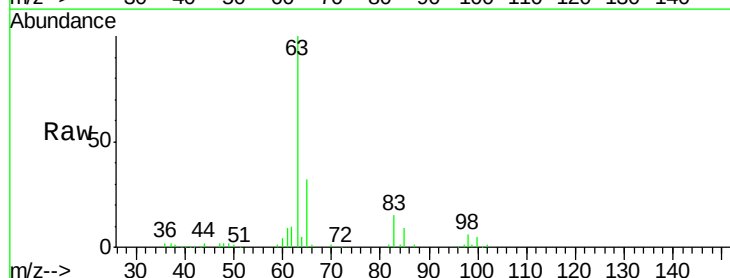
Tgt Ion: 63 Resp: 70677

Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 5.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

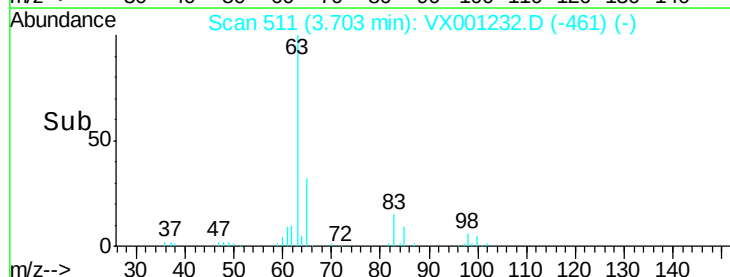
20000

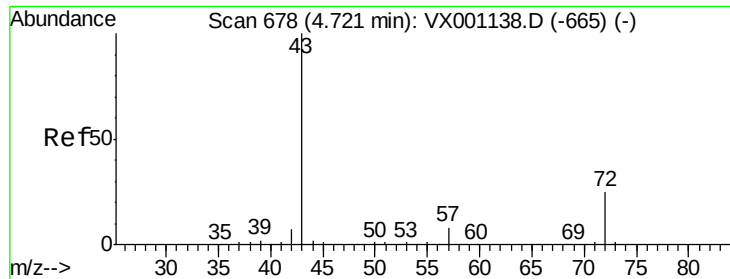
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 86.77 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tot Ion: 43 Resp: 157929

Ion Ratio Lower Upper

43 100

72 24.8 20.0 30.0

Instrument :

MSVOA_X

ClientSampleId :

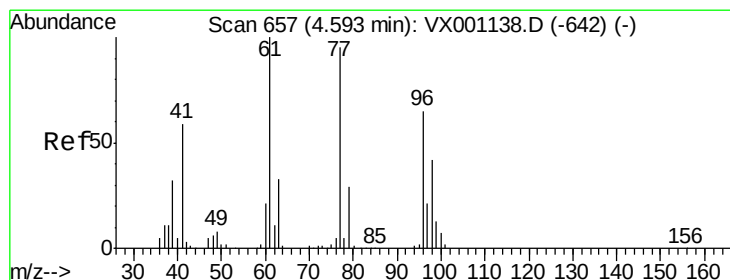
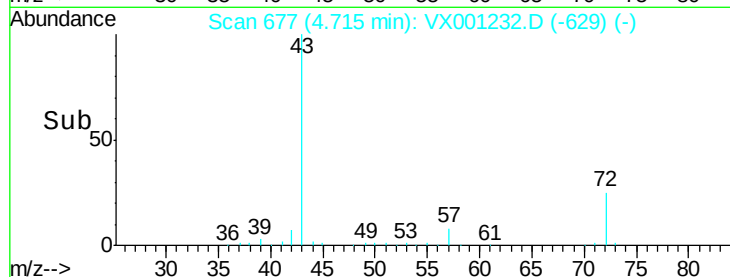
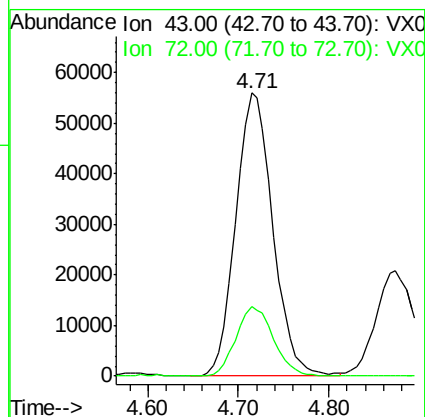
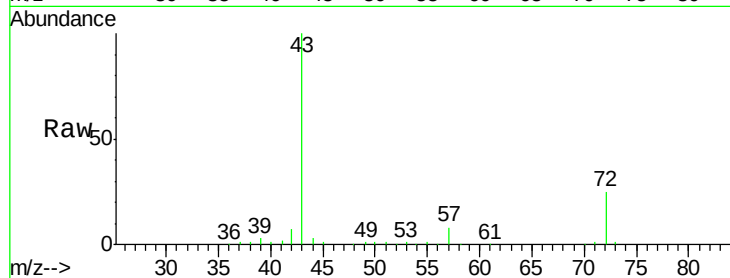
VX0428WBSD02

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.33 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX001232.D

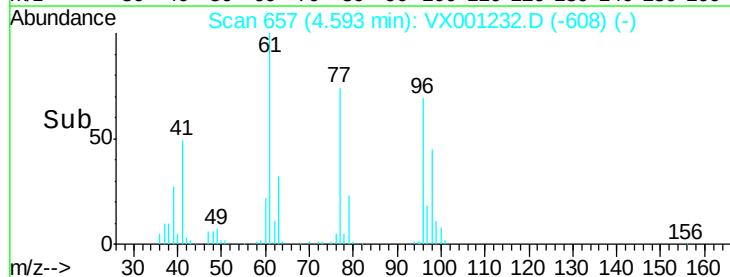
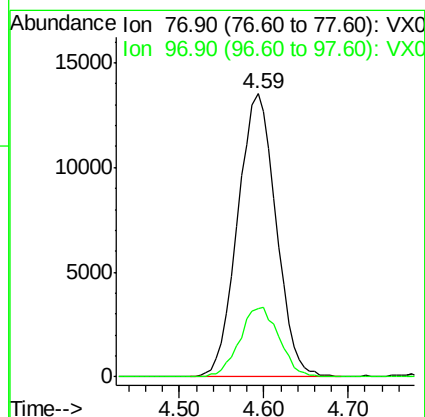
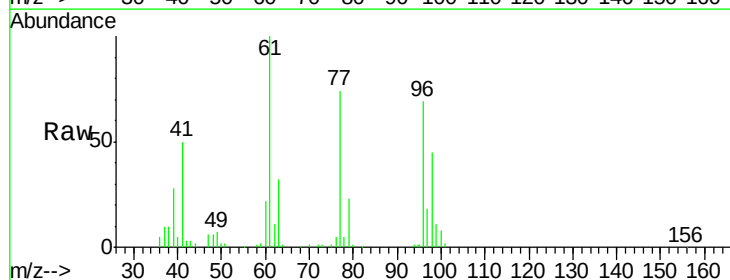
Acq: 29 Apr 2018 00:03

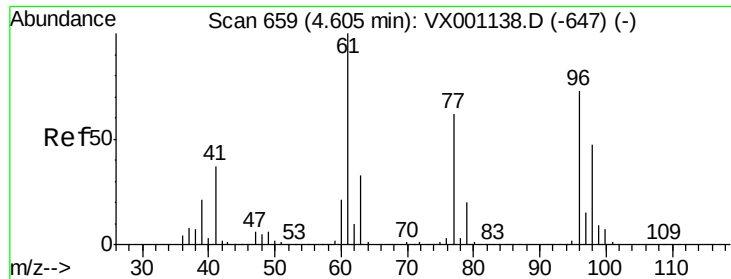
Tgt Ion: 77 Resp: 41762

Ion Ratio Lower Upper

77 100

97 25.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.87 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001232.D

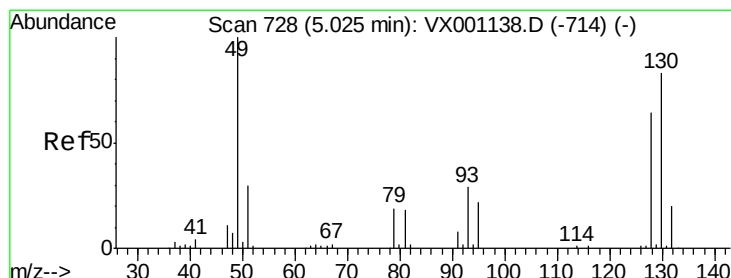
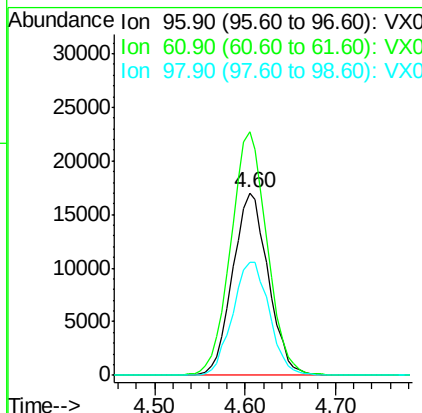
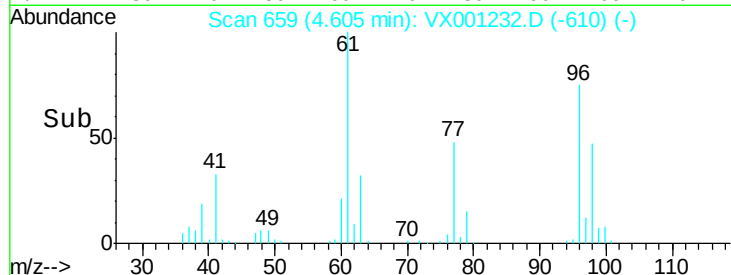
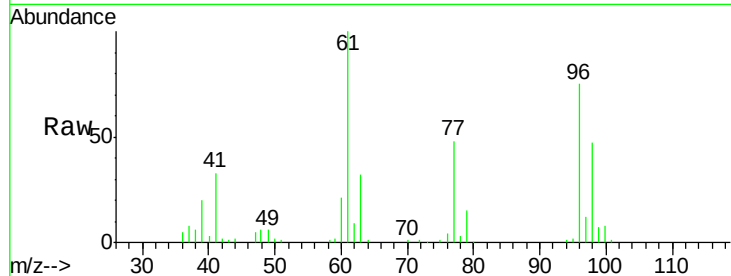
Acq: 29 Apr 2018 00:03

Tot Ion:	96	Resp:	46401
Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	289.0
98	64.1	0.0	128.2

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBSD02

Manual Integrations
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#28

Bromochloromethane

Concen: 18.23 ug/l

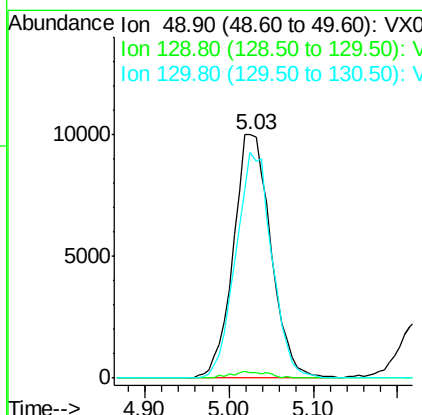
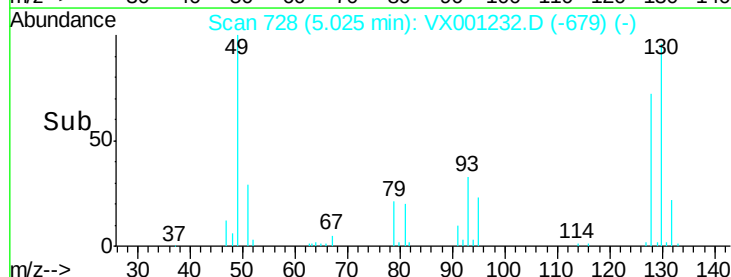
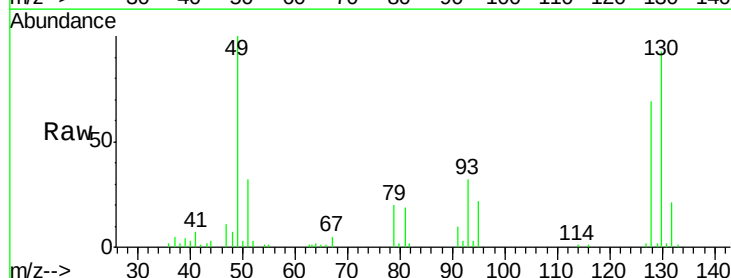
RT: 5.03 min Scan# 728

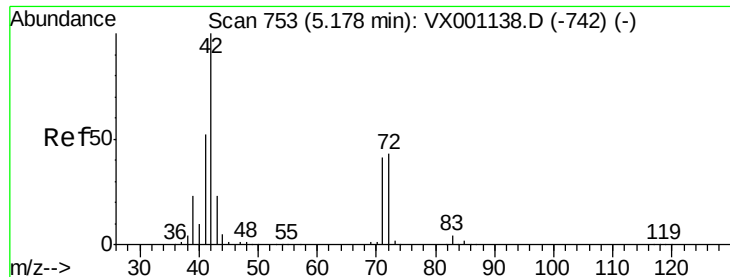
Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion:	49	Resp:	30258
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	88.9	68.2	102.2





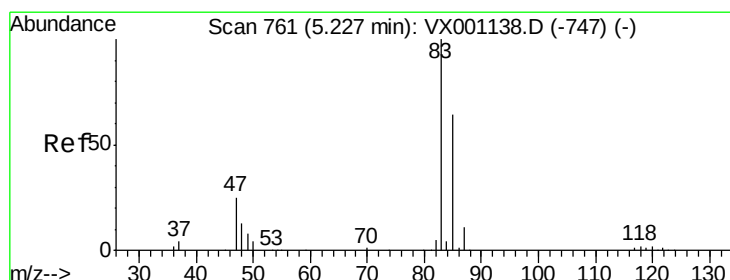
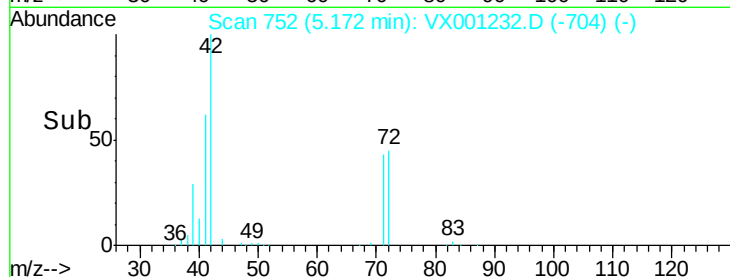
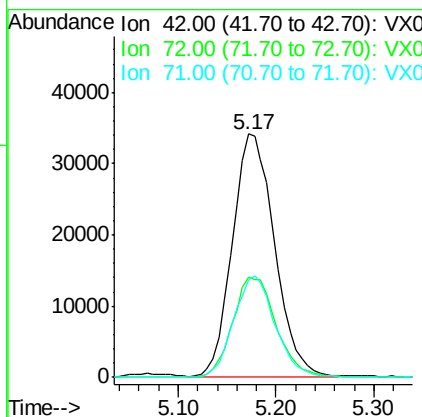
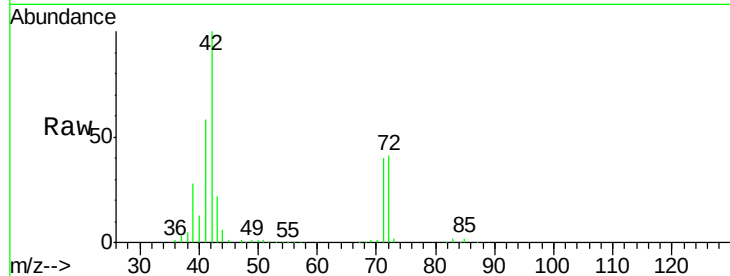
#29
Tetrahydrofuran
Concen: 86.84 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.4	51.6
71	41.4	32.1	48.1

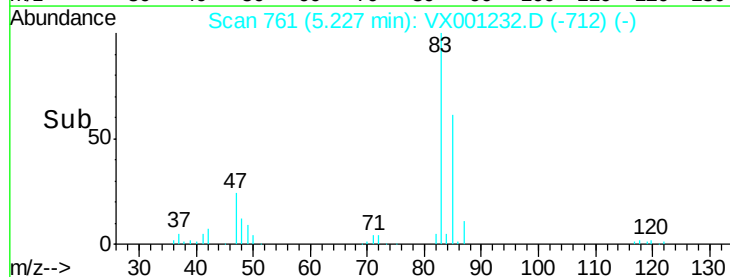
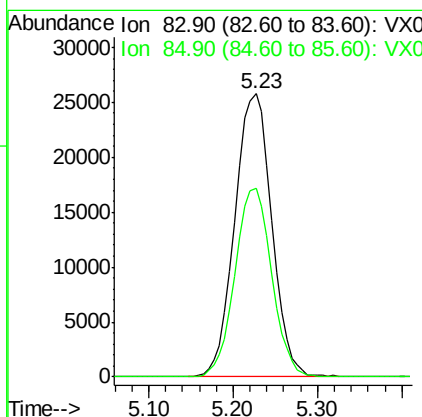
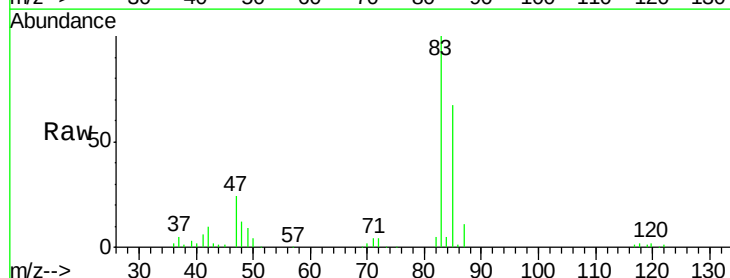
Manual Integrations
APPROVED

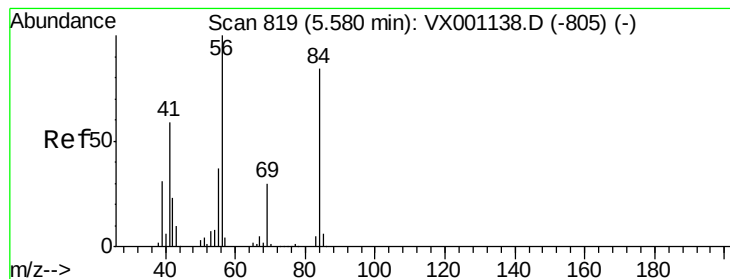
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#30
Chloroform
Concen: 19.47 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.4	77.0





#31

Cyclohexane

Concen: 19.84 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

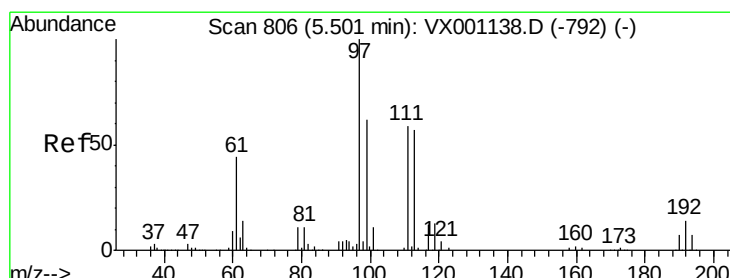
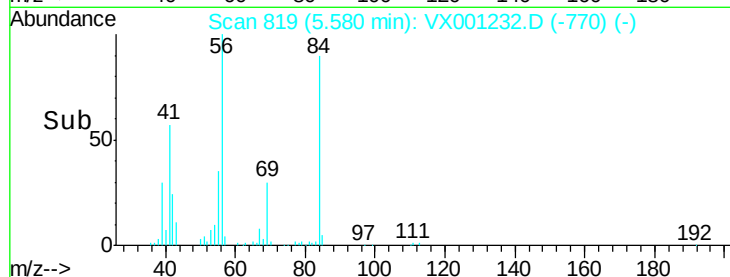
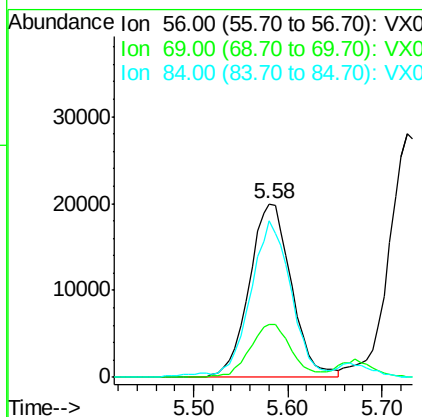
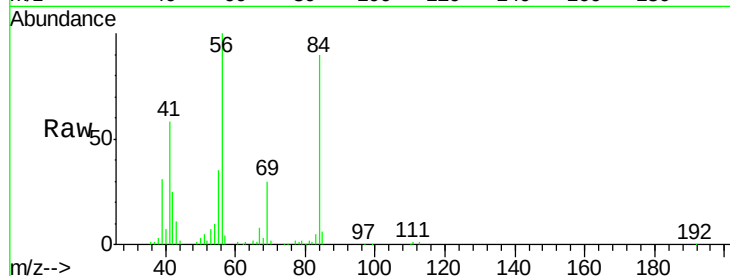
ClientSampleId :

VX0428WBSD02

Tot Ion:	56	Resp:	62399
Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.2	36.2
84	88.3	67.5	101.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.71 ug/l

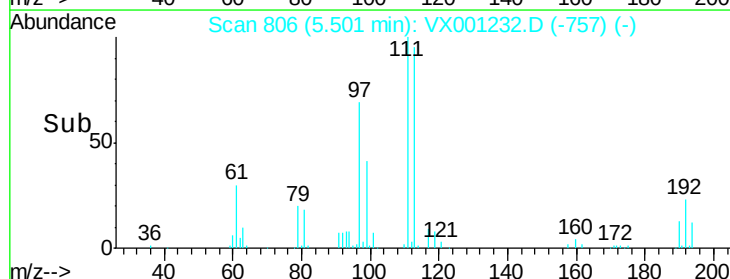
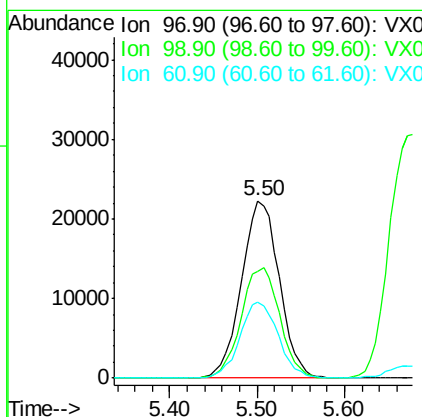
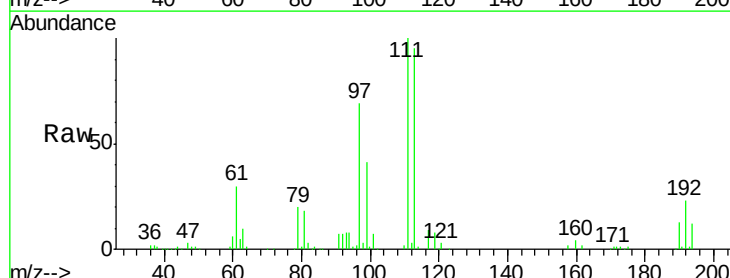
RT: 5.50 min Scan# 806

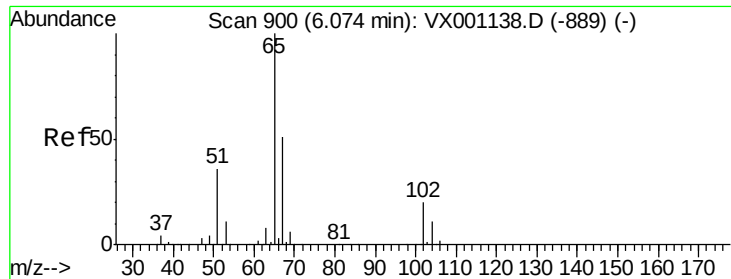
Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion:	97	Resp:	66985
Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	43.8	35.0	52.6





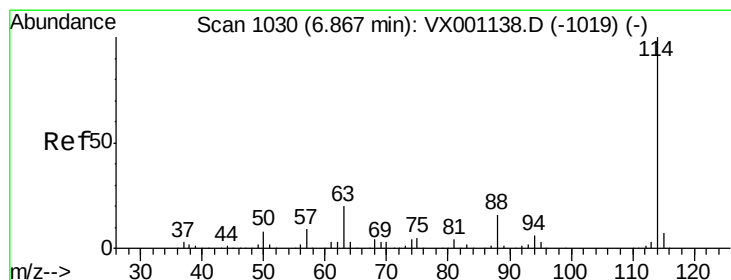
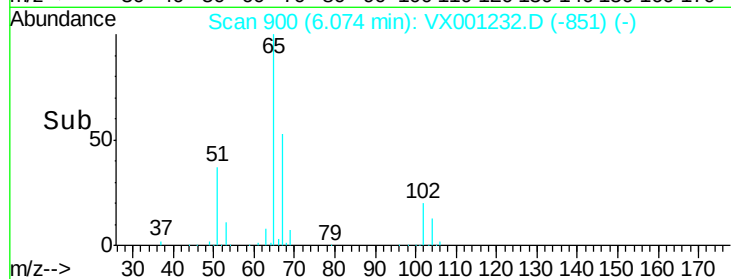
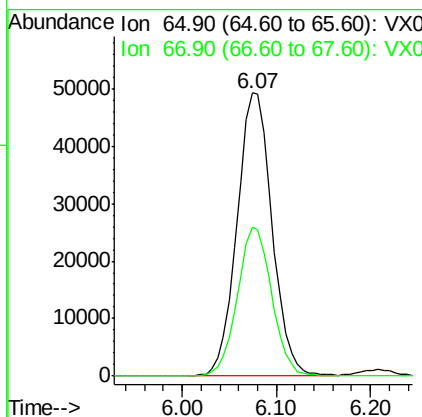
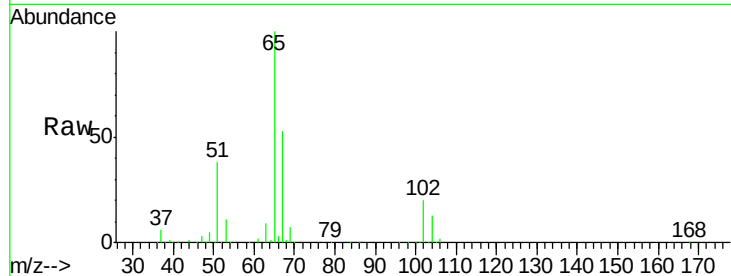
#33
 1,2-Dichloroethane-d4
 Concen: 43.30 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.2

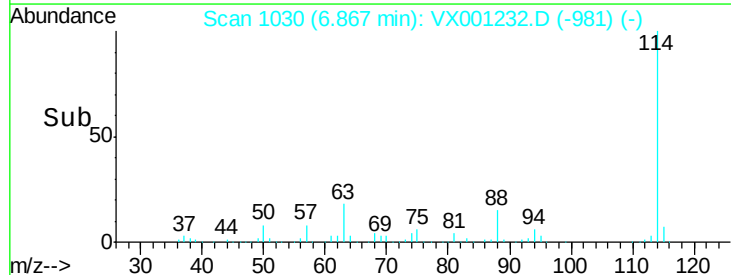
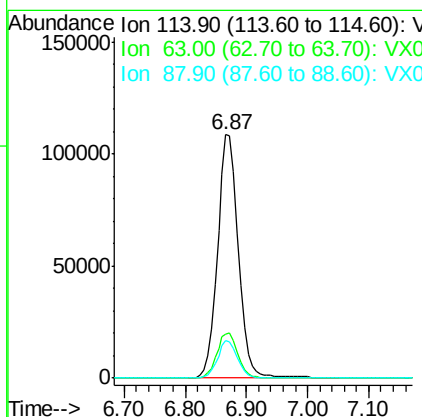
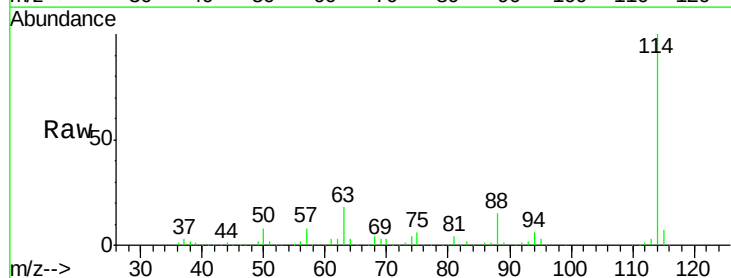
Manual Integrations
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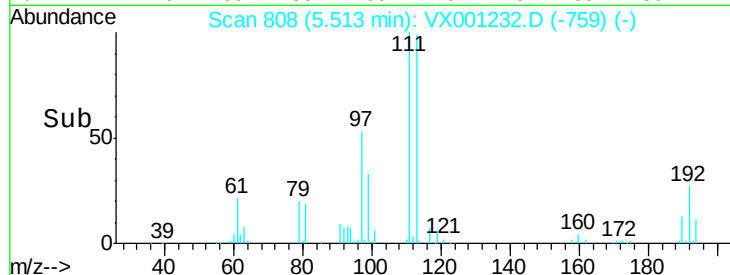
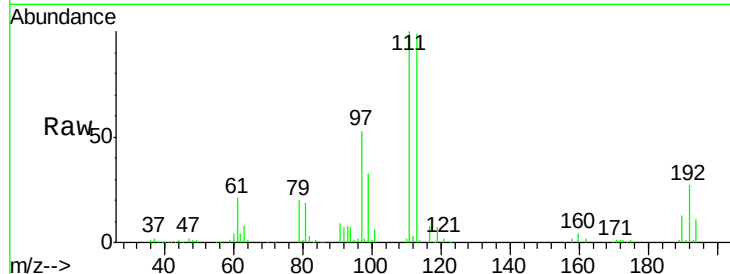
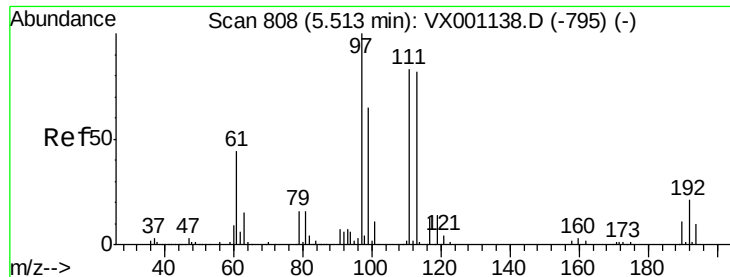
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	40.4
88	15.2	0.0	31.8





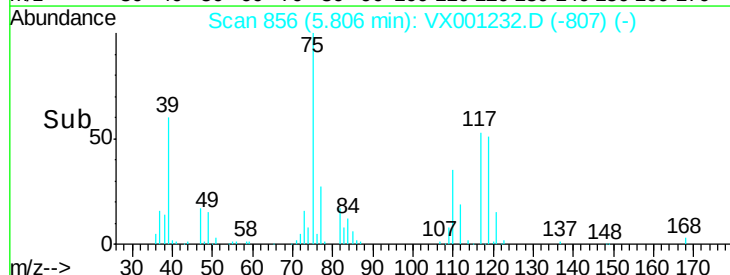
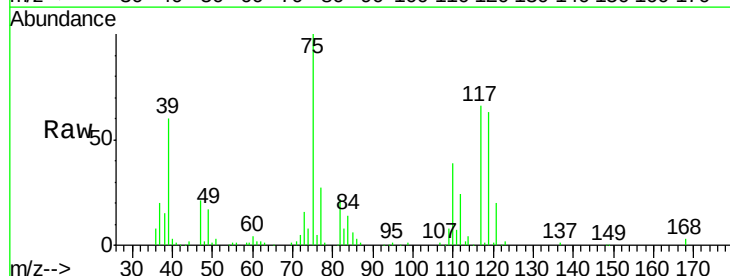
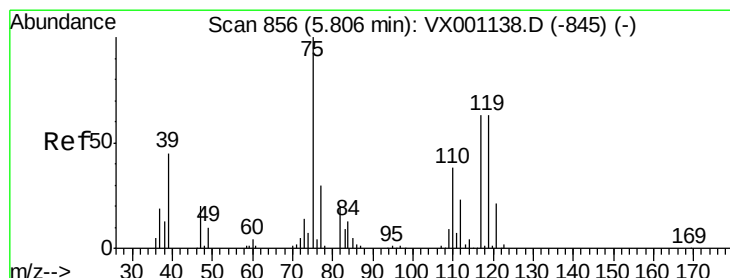
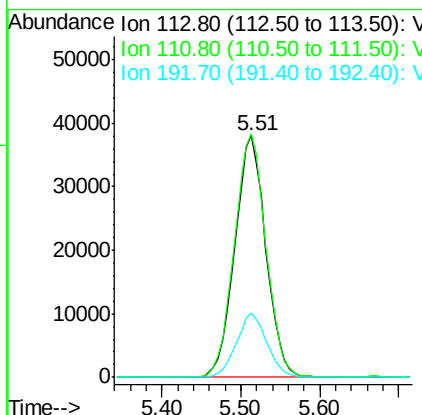
#35
Dibromofluoromethane
Concen: 48.50 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tot Ion:	113	Resp:	103727
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.2	123.4
192	26.2	20.6	30.8

Instrument :
MSVOA_X
ClientSampled :
VX0428WBSD02

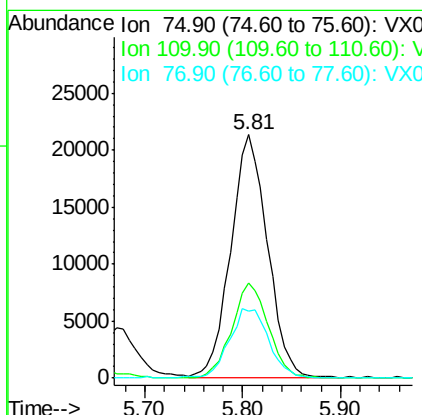
Manual Integrations
APPROVED

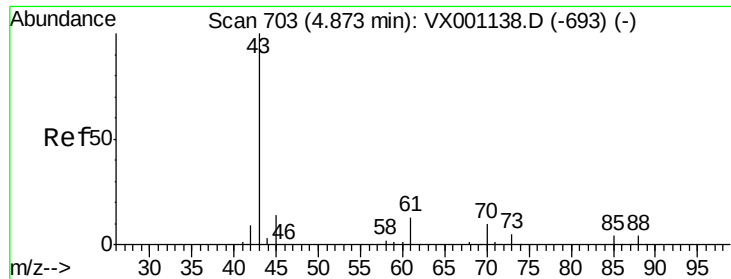
apatel
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#36
1,1-Dichloropropene
Concen: 19.42 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion:	75	Resp:	55286
Ion Ratio	Lower	Upper	
75	100		
110	39.0	19.0	57.0
77	30.8	24.8	37.2





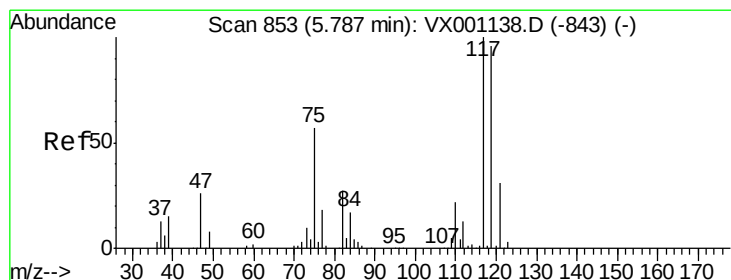
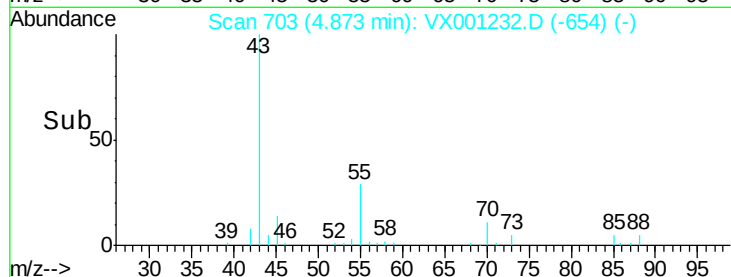
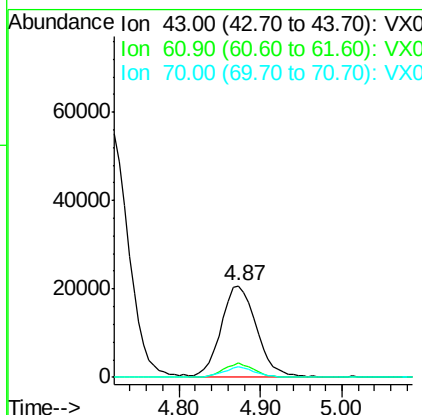
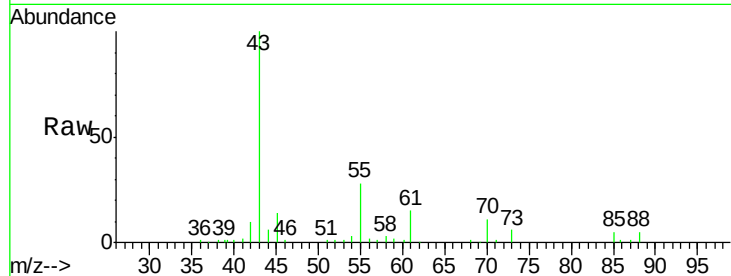
#37
Ethyl Acetate
Concen: 18.03 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampled :
VX0428WBSD02

Tot Ion:	43	Resp:	61460
Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.3	8.2	12.2

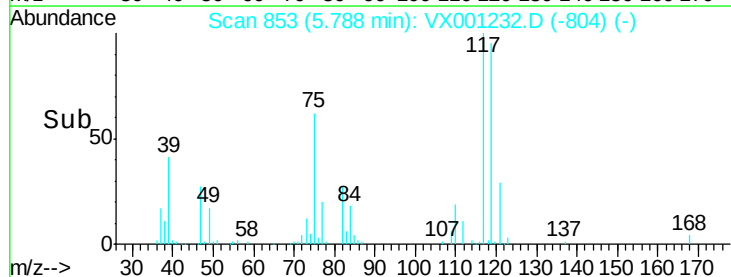
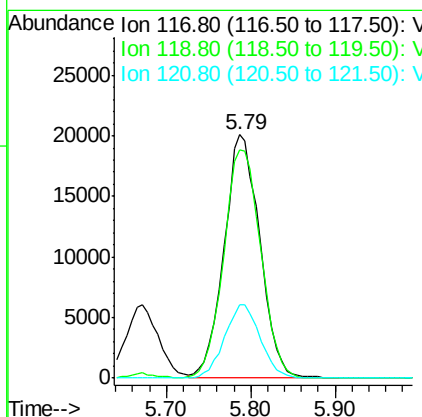
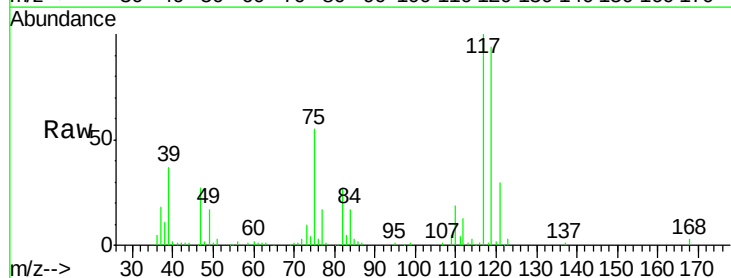
Manual Integrations
APPROVED

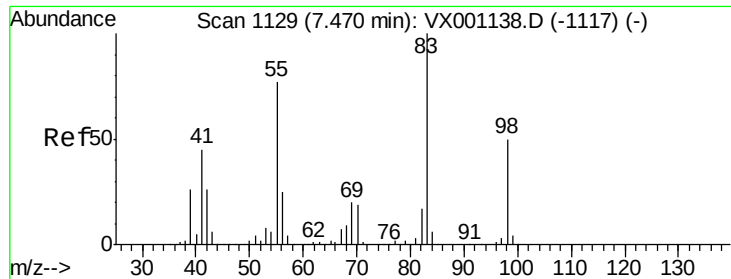
apatel
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#38
Carbon Tetrachloride
Concen: 19.86 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion:	117	Resp:	57986
Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.5	114.7
121	30.2	24.6	37.0





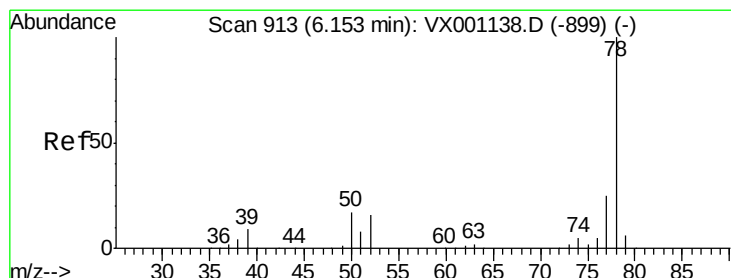
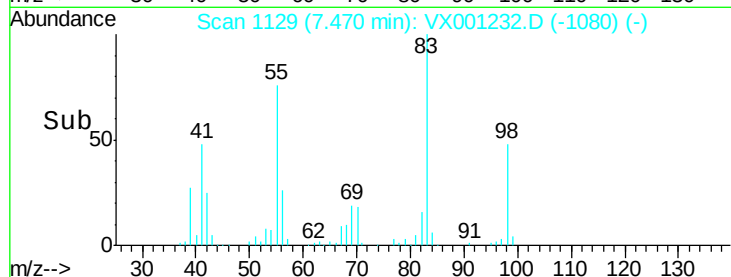
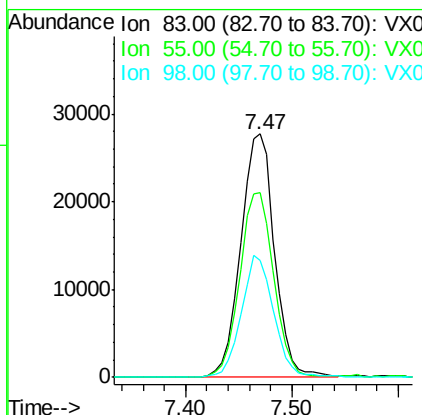
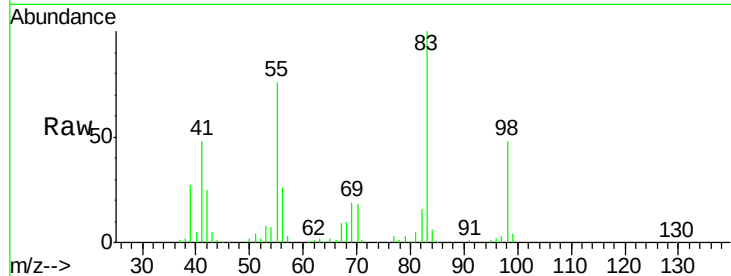
#39
Methylvlcyclohexane
Concen: 19.58 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.8	92.6
98	47.8	40.0	60.0

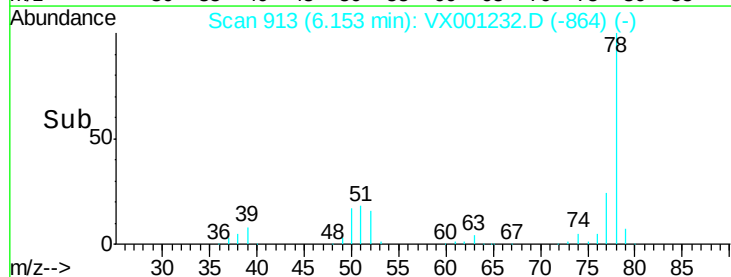
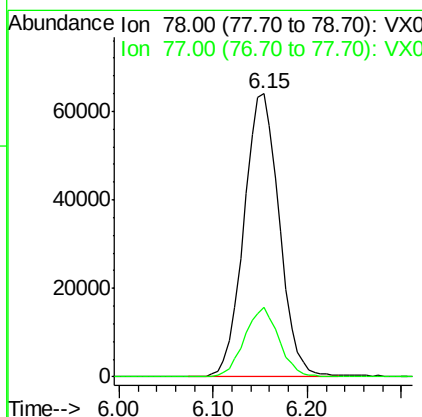
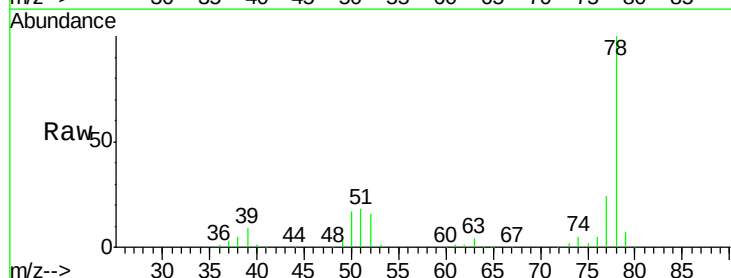
Manual Integrations
APPROVED

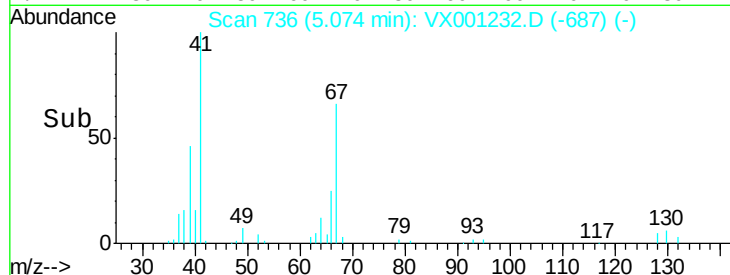
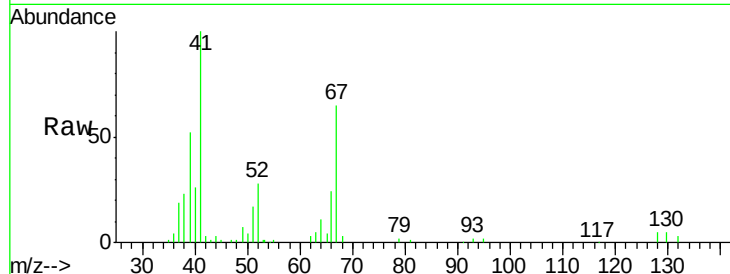
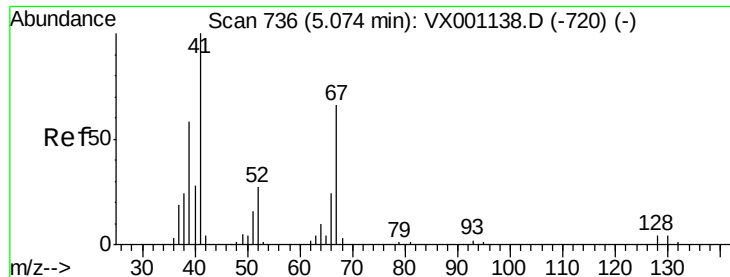
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#40
Benzene
Concen: 20.38 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

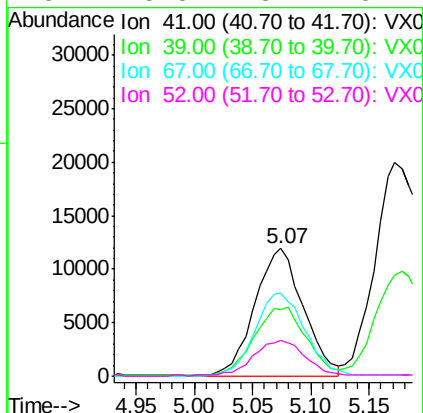
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.7	29.5





#41
Methacrylonitrile
Concen: 17.93 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

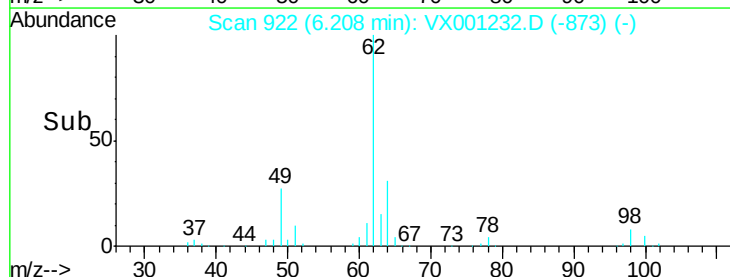
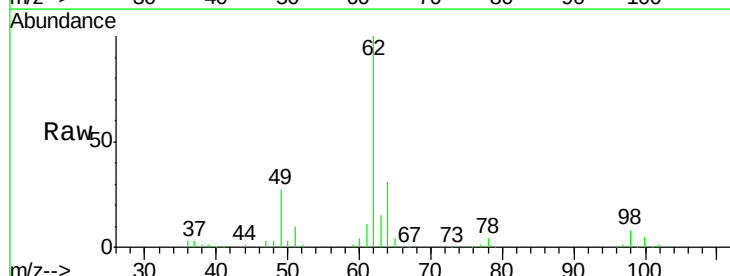
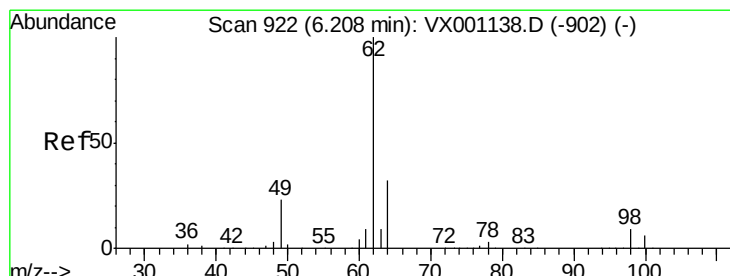
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.4	45.9	68.9	
67	69.1	53.2	79.8	
52	28.8	23.1	34.7	



Instrument :
MSVOA_X
ClientSampleId :
VX0428WBSD02

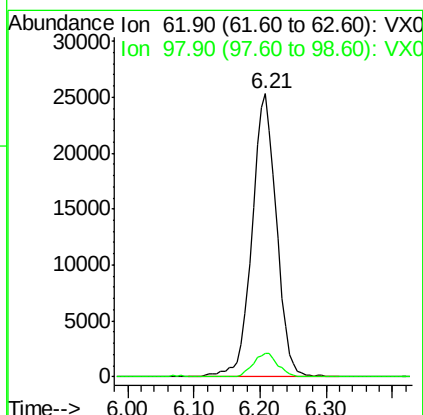
Manual Integrations
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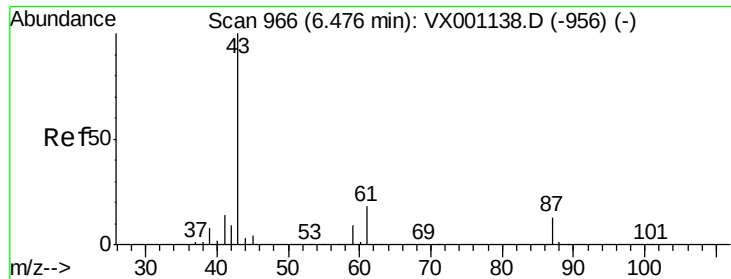
apatel
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#42
1,2-Dichloroethane
Concen: 19.61 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.0	





#43

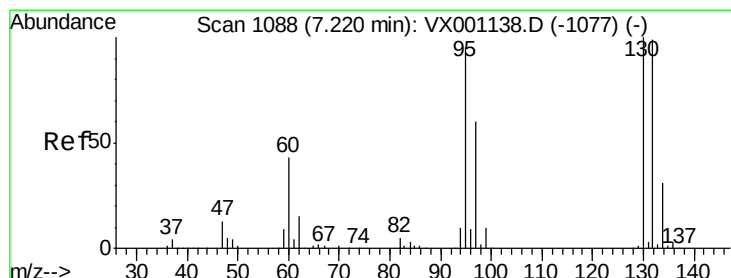
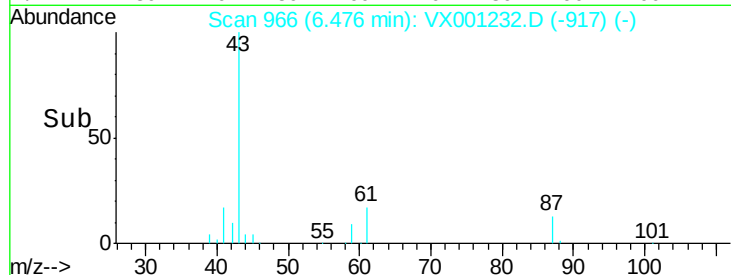
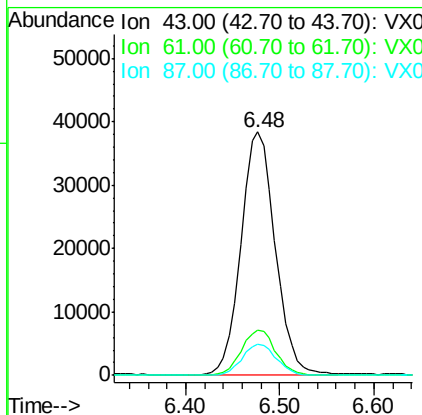
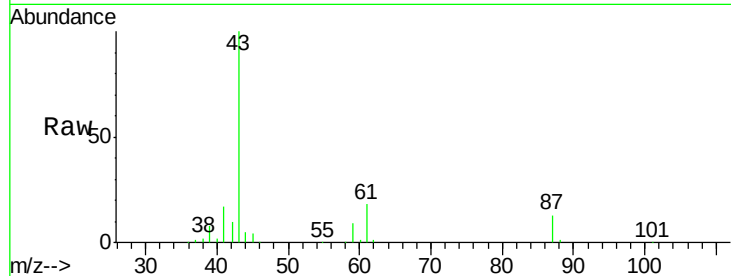
Isopropyl Acetate
 Concen: 18.34 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

Tot Ion	43	61	87
Resp	98209		
Ratio	100	18.7	12.8
Lower		15.0	10.3
Upper		22.6	15.5

Manual Integrations
 APPROVED

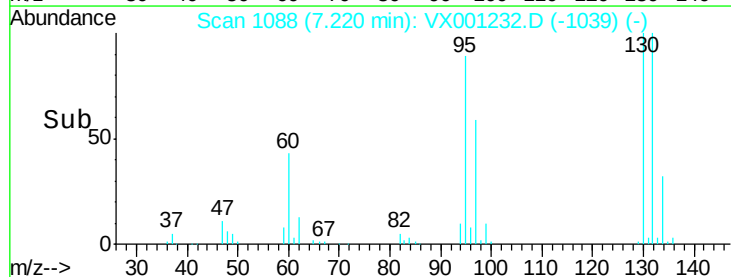
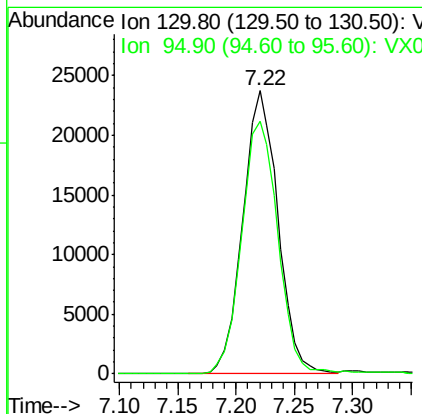
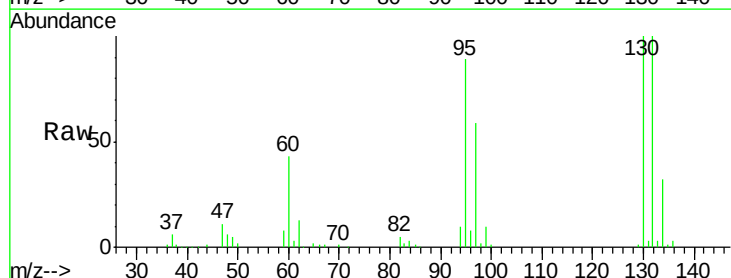
apatel
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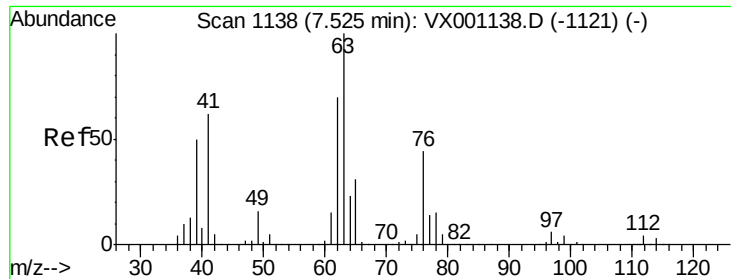


#44

Trichloroethene
 Concen: 20.42 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion	130	95
Resp	50112	
Ratio	100	89.3
Lower		0.0
Upper		189.6





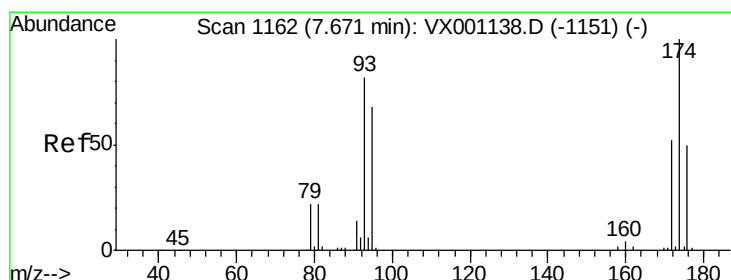
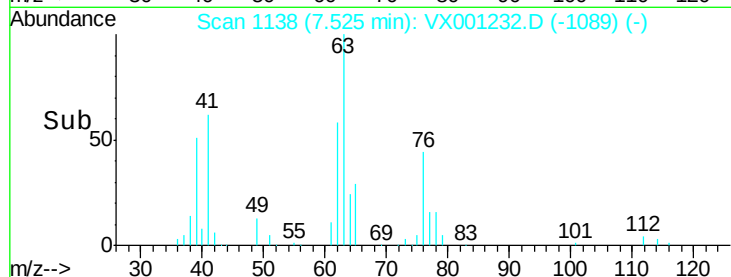
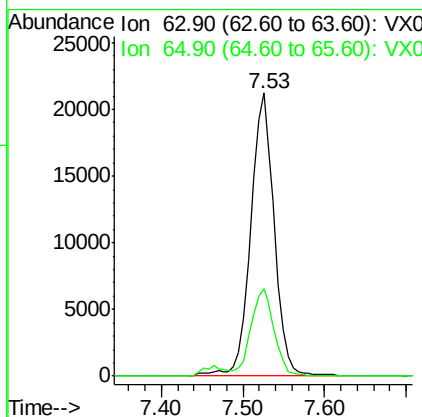
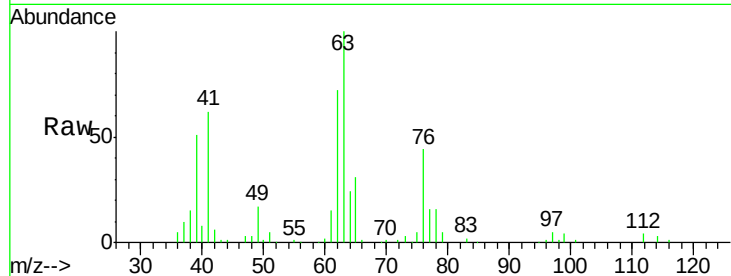
#45
 1,2-Dichloropropane
 Concen: 19.85 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

Tot Ion: 63 Resp: 43010
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.9 37.3

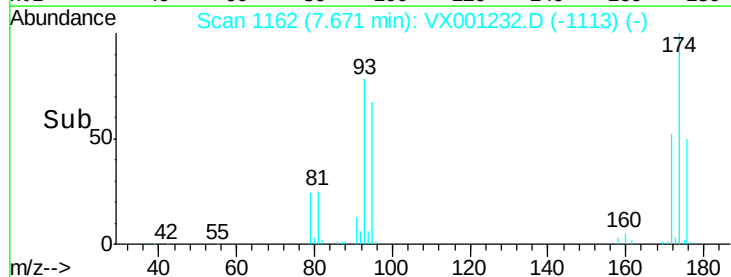
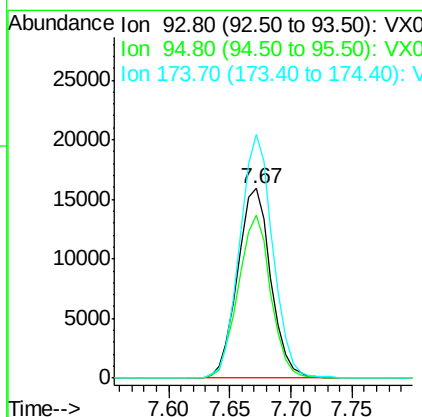
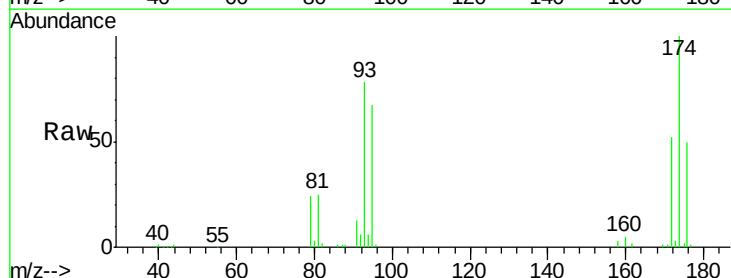
Manual Integrations
 APPROVED

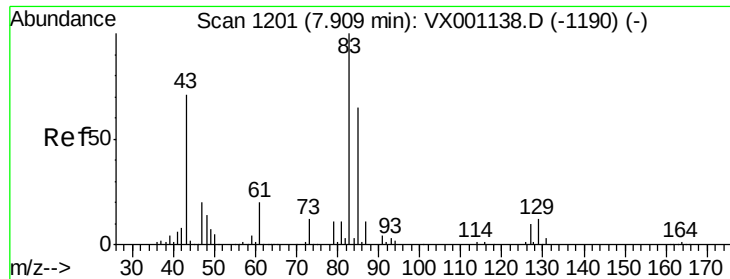
apatel
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#46
 Dibromomethane
 Concen: 20.05 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion: 93 Resp: 30078
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.4 99.6
 174 127.3 99.6 149.4





#47

Bromodichloromethane

Concen: 19.33 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

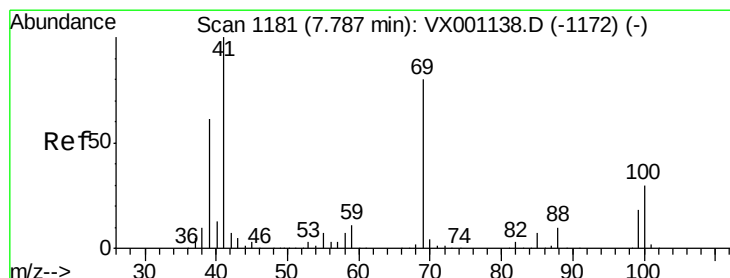
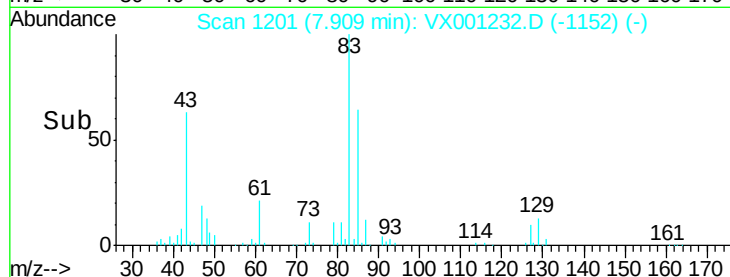
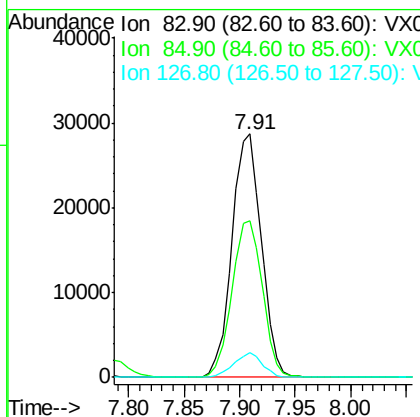
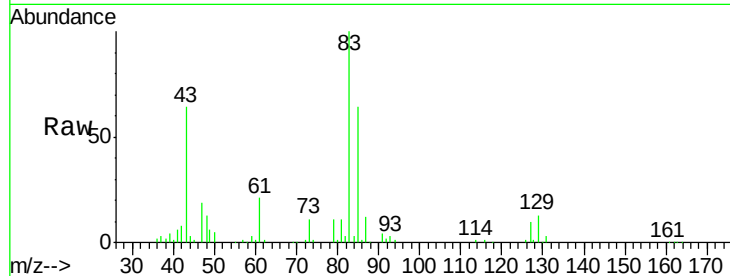
ClientSampleId :

VX0428WBSD02

Tot Ion:	83	Resp:	52696
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9
127	10.2	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.36 ug/l

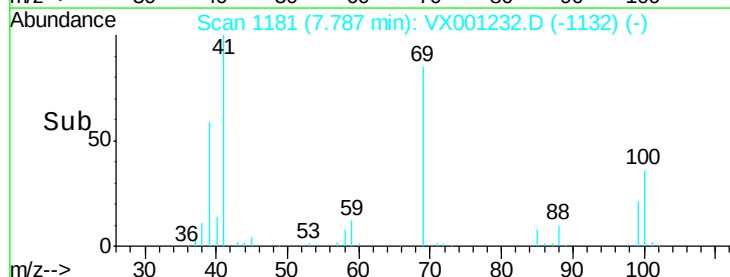
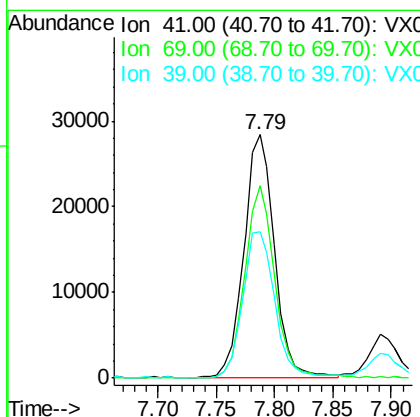
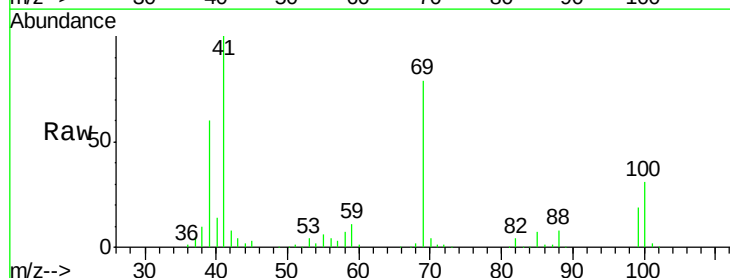
RT: 7.79 min Scan# 1181

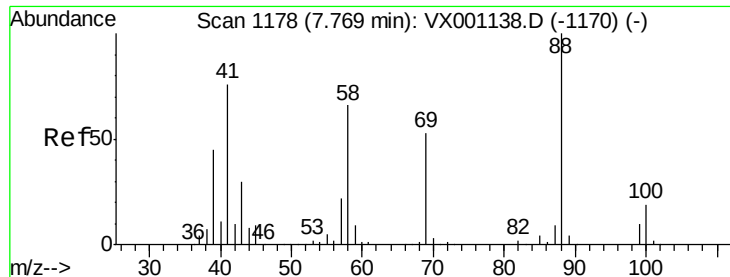
Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion:	41	Resp:	52244
Ion	Ratio	Lower	Upper
41	100		
69	77.9	62.4	93.6
39	62.4	48.7	73.1





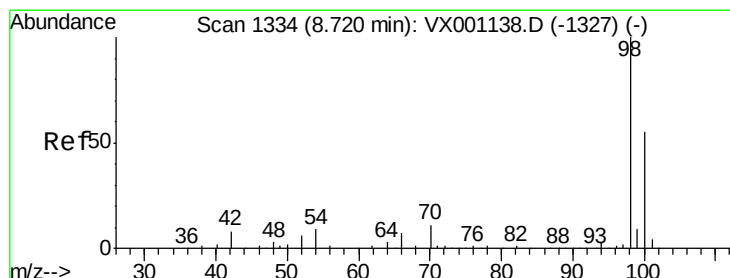
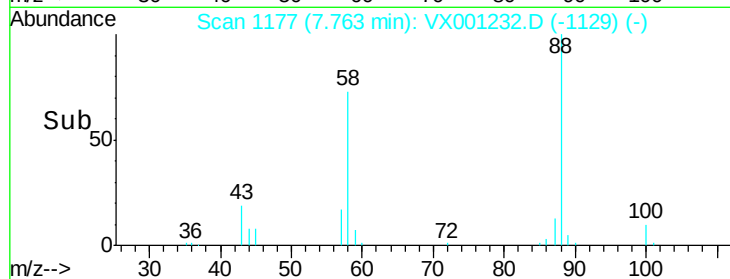
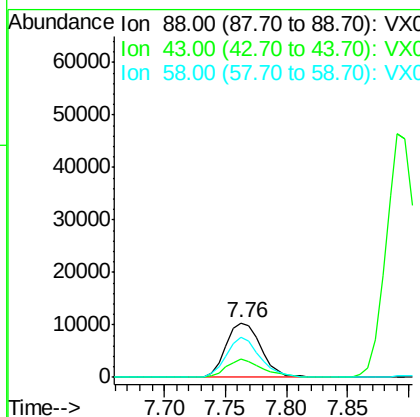
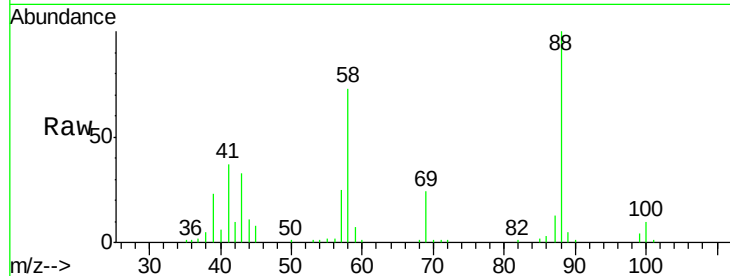
#49
1,4-Dioxane
Concen: 362.07 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	27.3	40.9
58	71.0	54.2	81.4

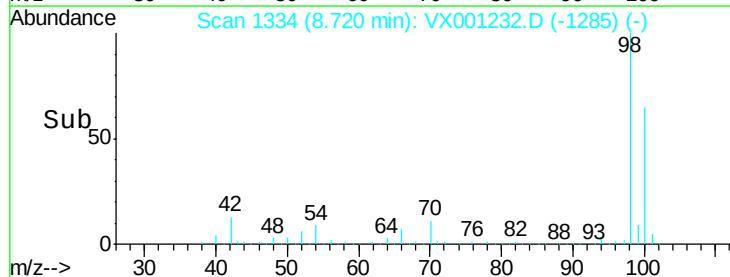
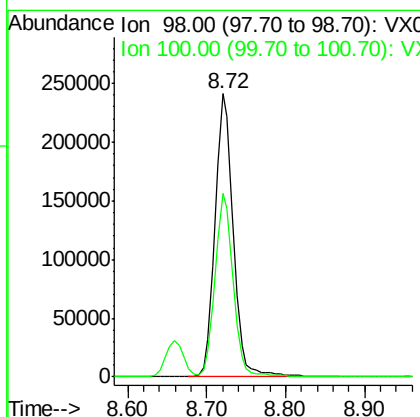
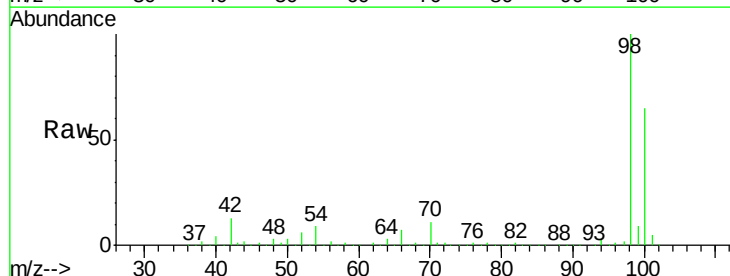
Manual Integrations
APPROVED

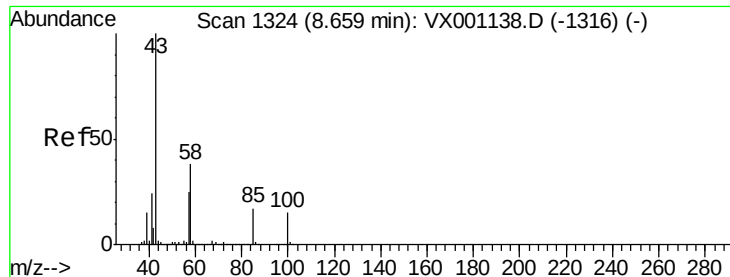
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#50
Toluene-d8
Concen: 48.25 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 93.84 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion: 43 Resp: 330062

Ion Ratio Lower Upper

43 100

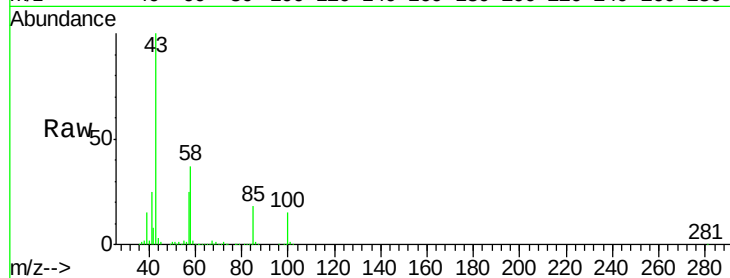
58 36.2 30.2 45.2

Manual Integrations

APPROVED

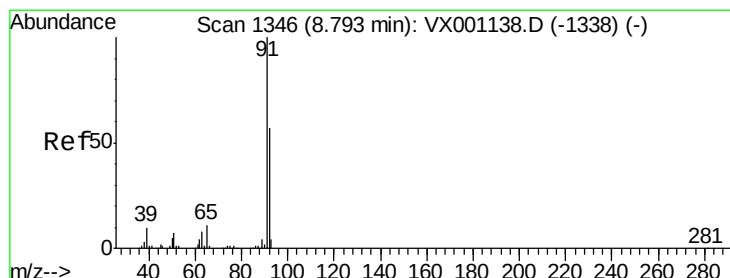
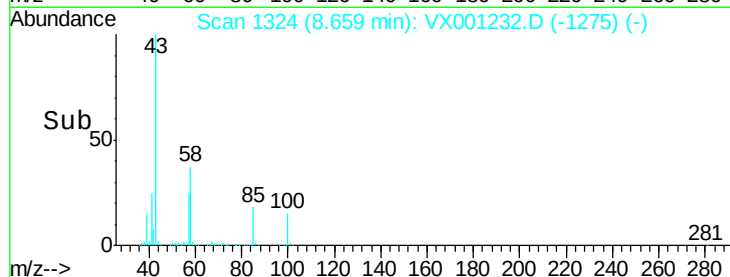
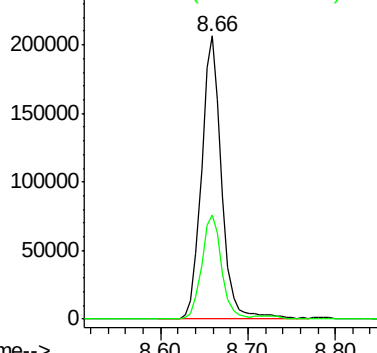
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.52 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001232.D

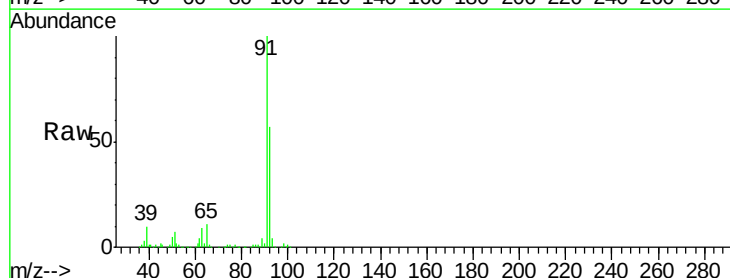
Acq: 29 Apr 2018 00:03

Tgt Ion: 92 Resp: 110499

Ion Ratio Lower Upper

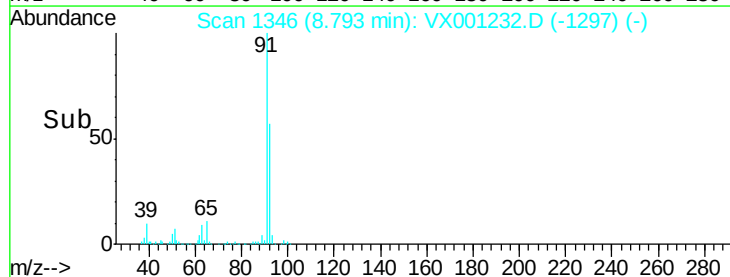
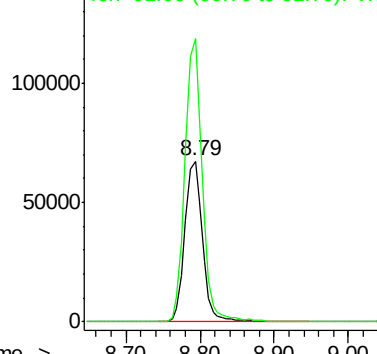
92 100

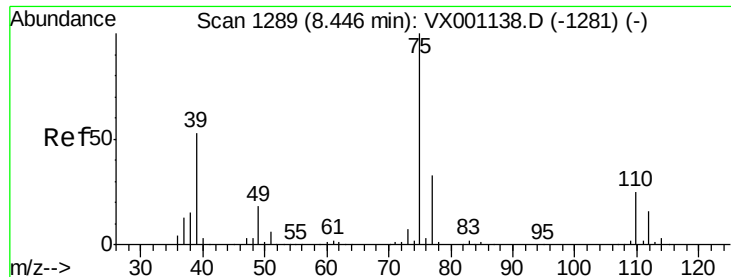
91 172.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





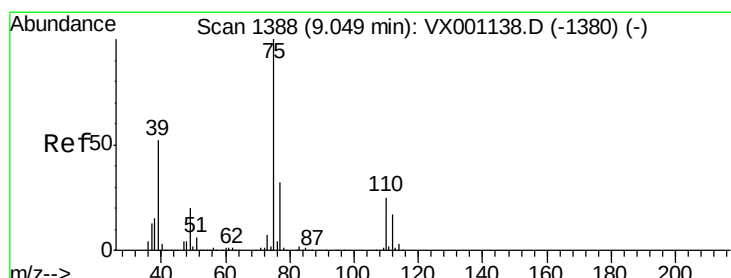
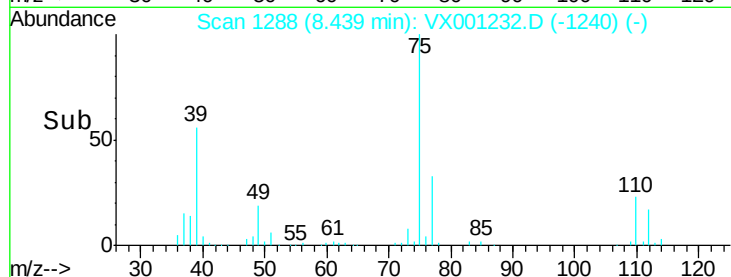
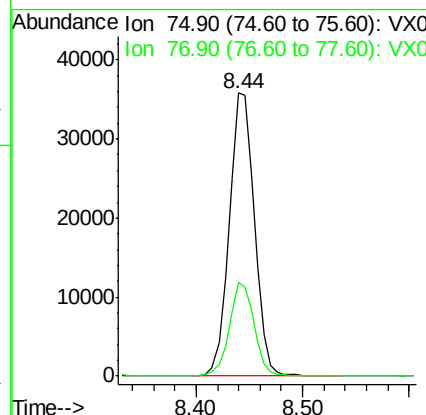
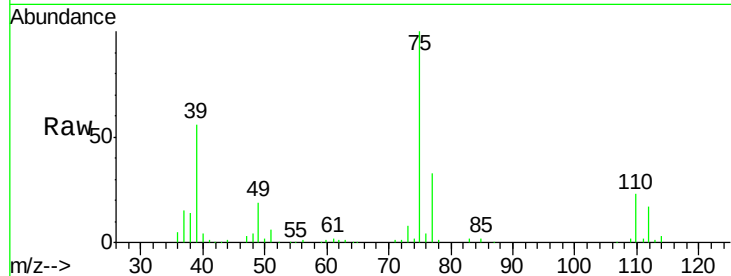
#53
 t-1,3-Dichloropropene
 Concen: 18.68 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

Tot Ion: 75 Resp: 59201
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.2 39.4

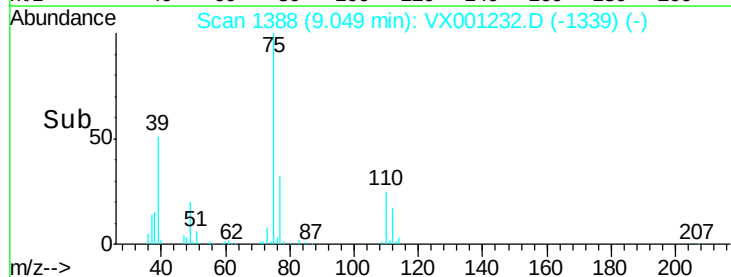
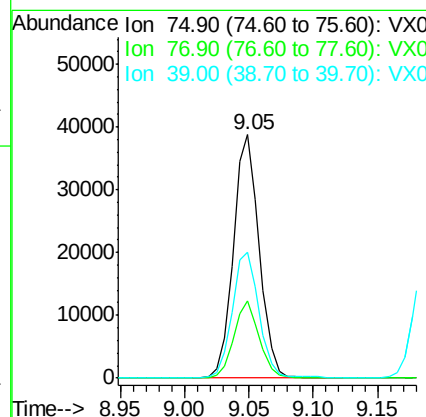
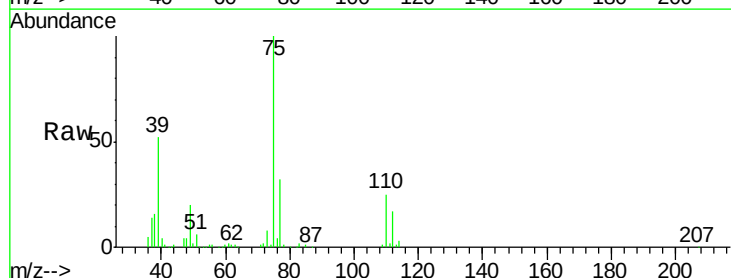
Manual Integrations
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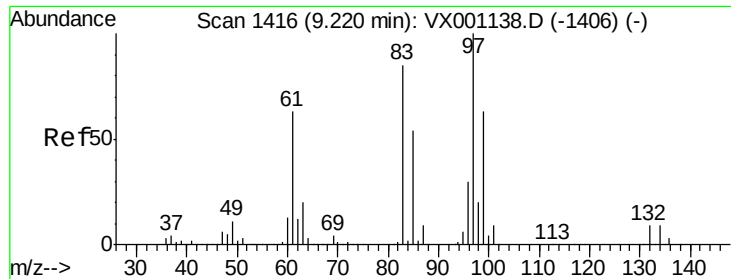
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#54
 cis-1,3-Dichloropropene
 Concen: 17.98 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion: 75 Resp: 54334
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2
 39 51.3 42.0 63.0





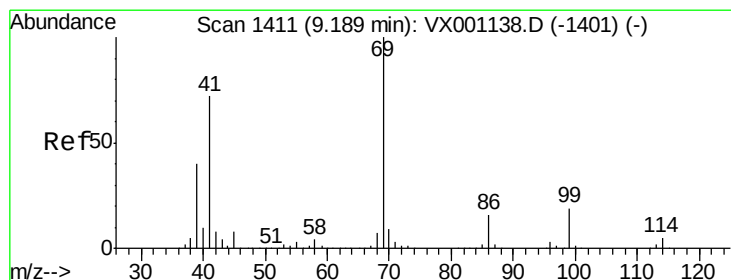
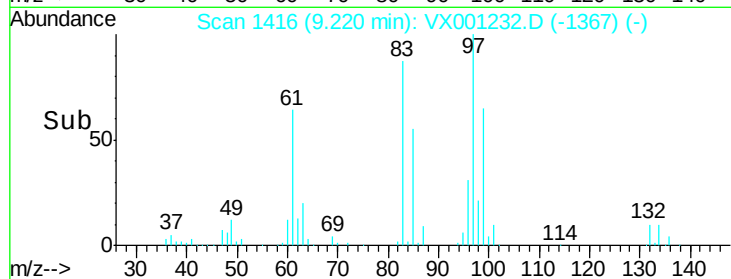
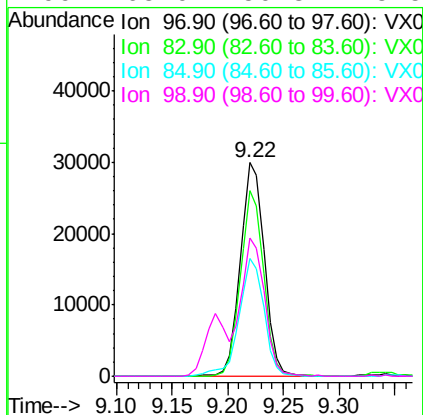
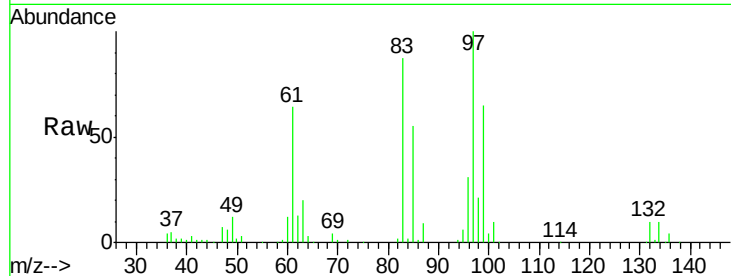
#55
 1,1,2-Trichloroethane
 Concen: 19.67 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

Tot Ion:	97	Resp:	44825
Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.0	102.0
85	55.2	42.9	64.3
99	65.0	50.3	75.5

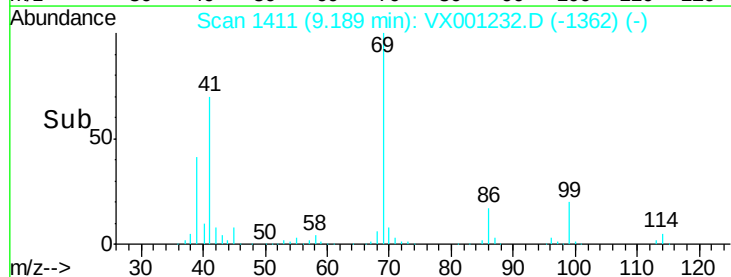
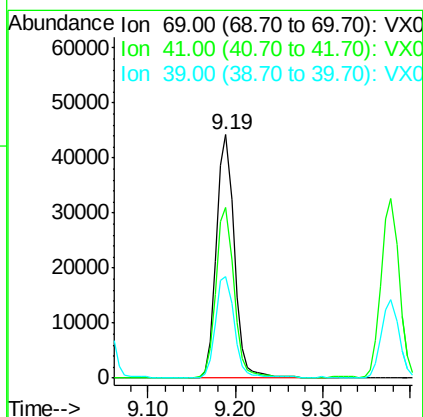
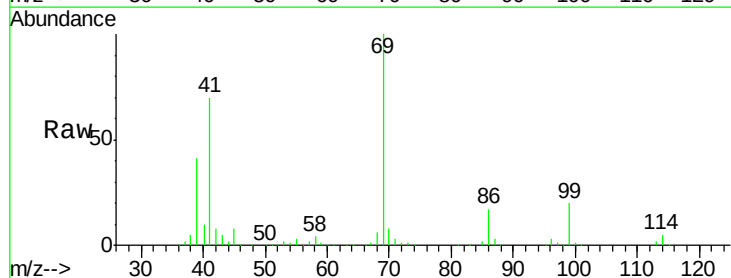
Manual Integrations
 APPROVED

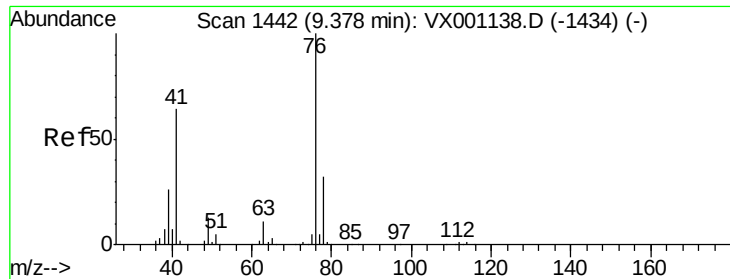
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#56
 Ethyl methacrylate
 Concen: 18.68 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion:	69	Resp:	63076
Ion	Ratio	Lower	Upper
69	100		
41	70.4	57.7	86.5
39	42.9	33.3	49.9





#57

1,3-Dichloropropane

Concen: 19.96 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion: 76 Resp: 73576

Ion Ratio Lower Upper

76 100

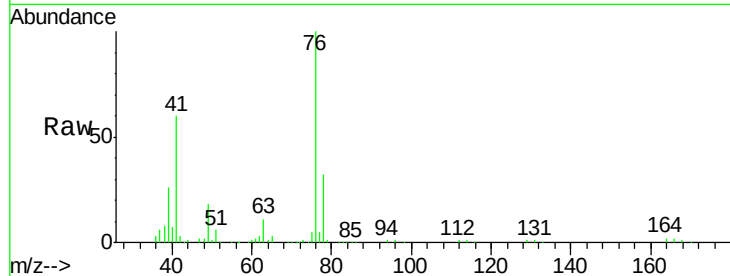
78 32.2 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

60000

50000

40000

30000

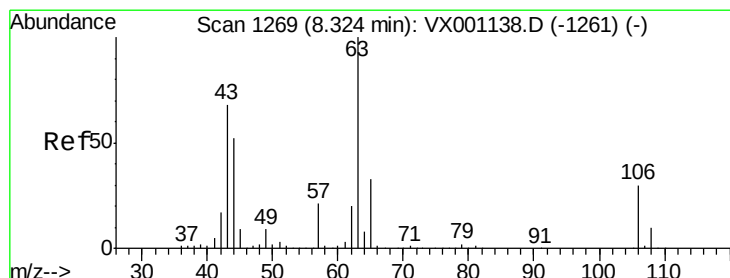
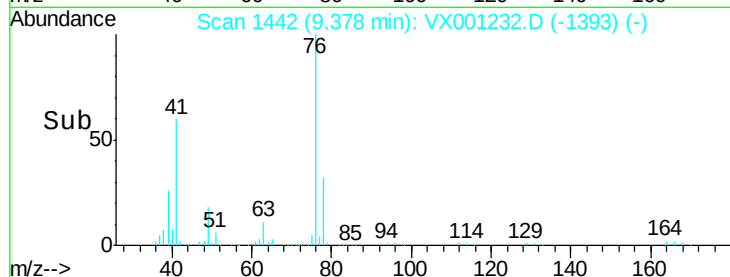
20000

10000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.00 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX001232.D

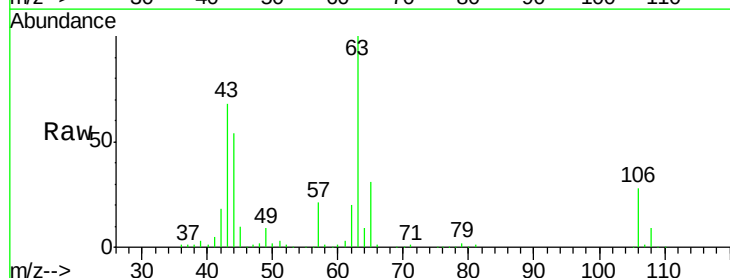
Acq: 29 Apr 2018 00:03

Tgt Ion: 63 Resp: 150037

Ion Ratio Lower Upper

63 100

106 29.8 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

100000

80000

60000

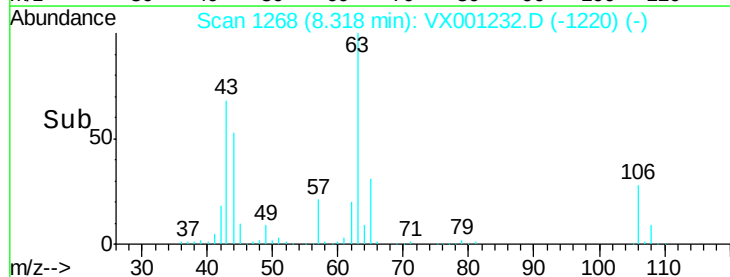
40000

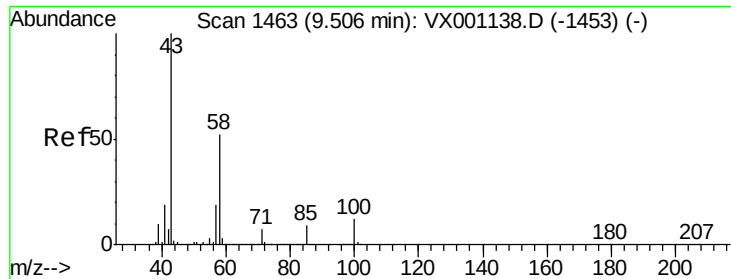
20000

0

8.20 8.30 8.40

Time-->





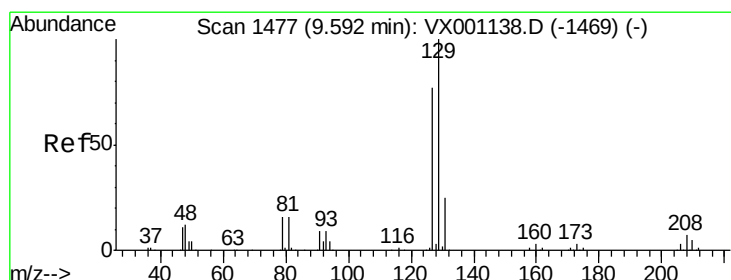
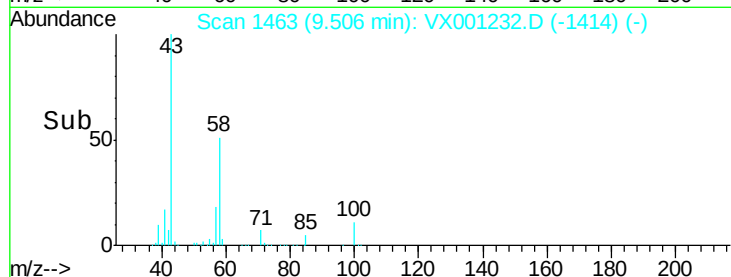
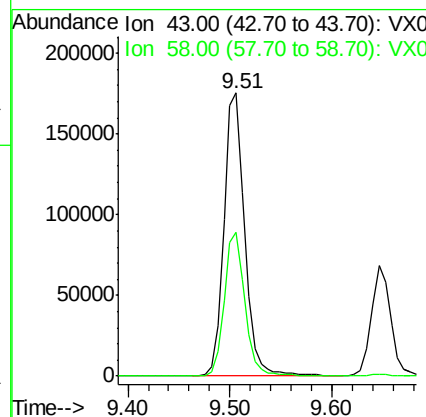
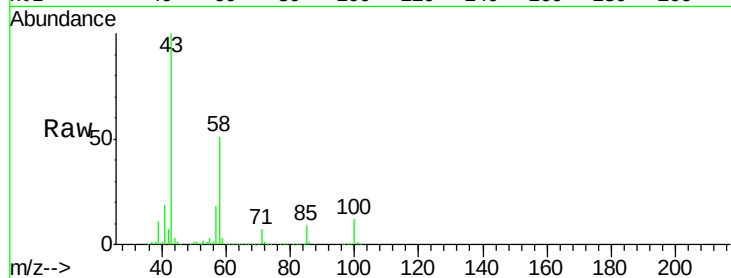
#59
2-Hexanone
Concen: 90.91 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBSD02

Tot Ion	43	Resp	250532
Ion Ratio	43	100	
Lower	58	50.5	25.8
Upper			77.4

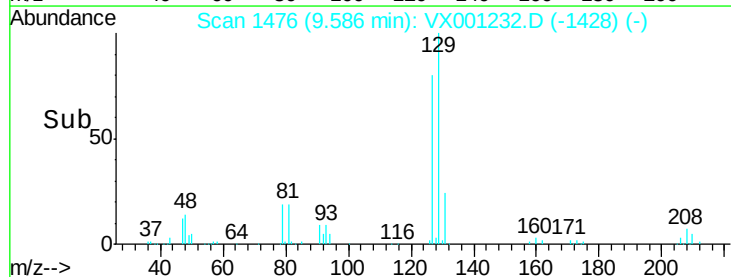
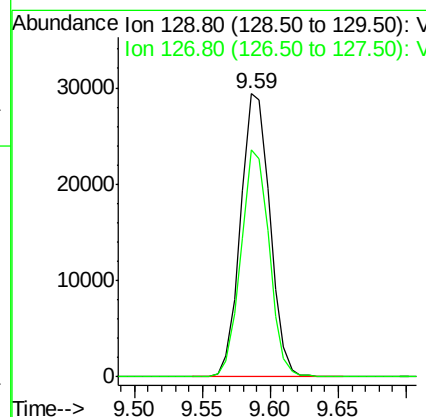
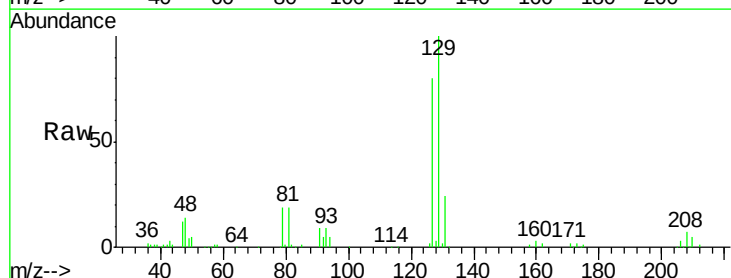
Manual Integrations
APPROVED

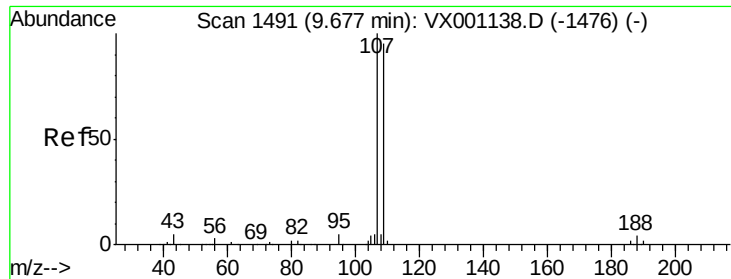
apatel
5/1/2018 7:46:33 PM



#60
Dibromochloromethane
Concen: 18.86 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion	129	Resp	44269
Ion Ratio	129	100	
Lower	127	77.3	38.4
Upper			115.2





#61

1,2-Dibromoethane

Concen: 19.88 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion:107 Resp: 47462

Ion Ratio Lower Upper

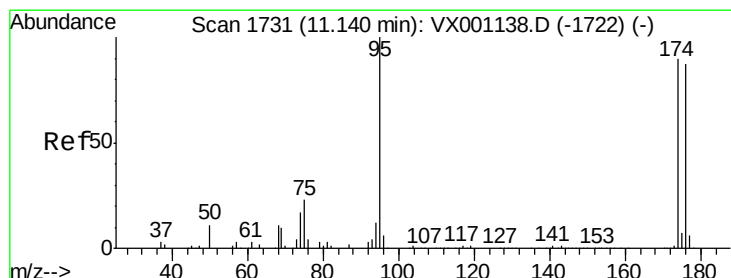
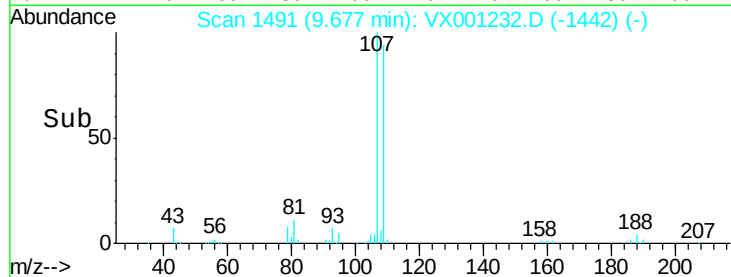
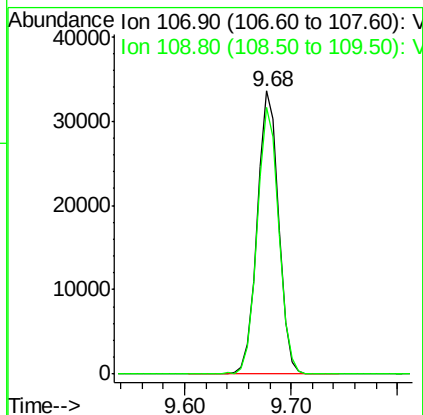
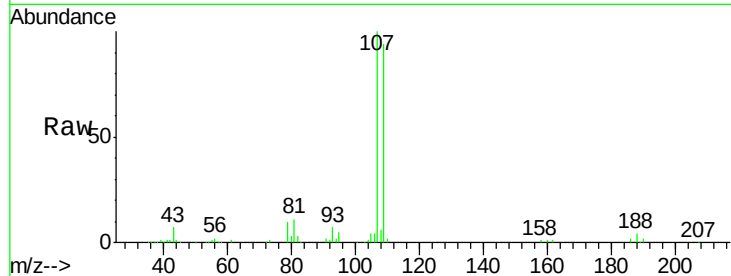
107 100

109 95.1 75.2 112.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.84 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

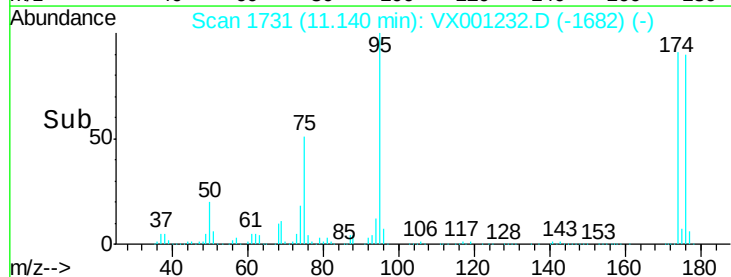
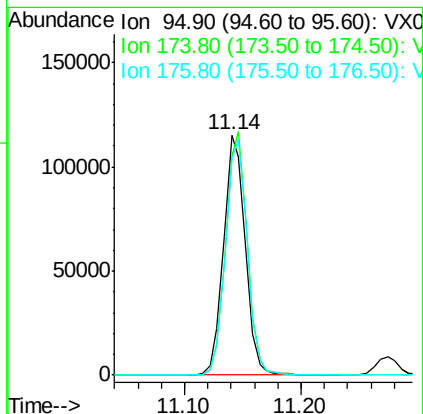
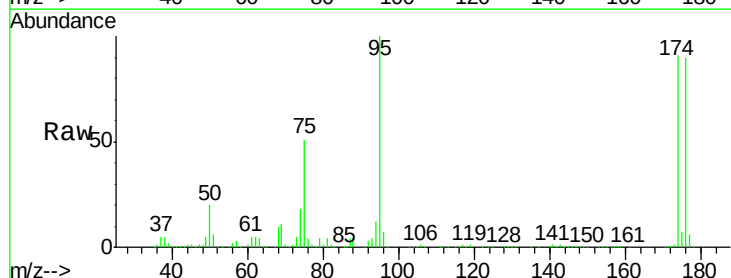
Tgt Ion: 95 Resp: 147671

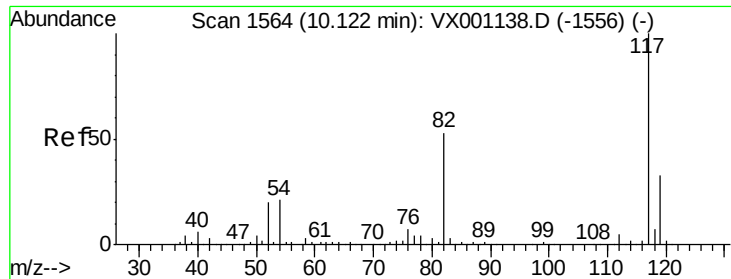
Ion Ratio Lower Upper

95 100

174 101.2 0.0 194.4

176 99.4 0.0 190.2





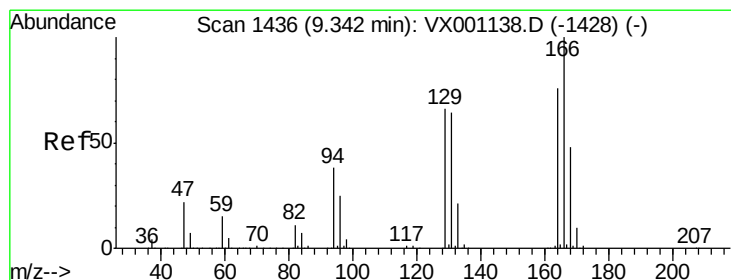
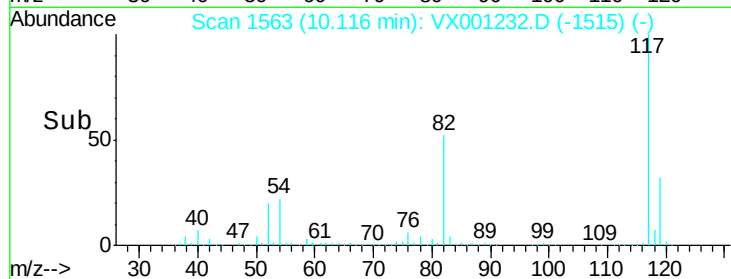
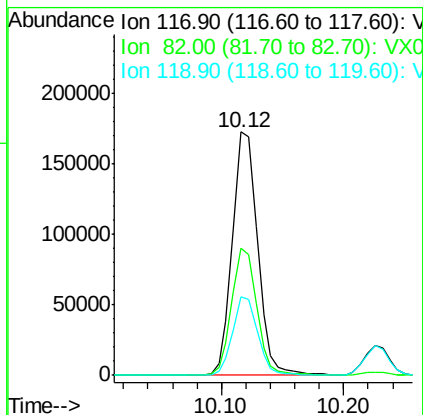
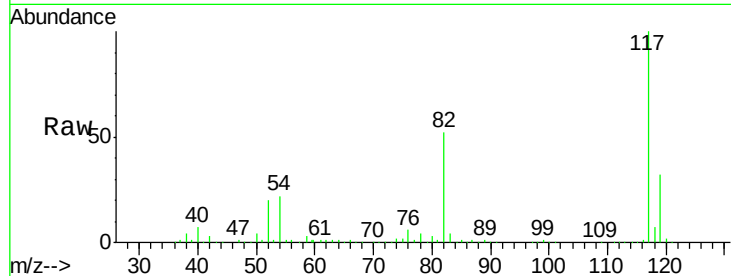
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.1	63.1
119	32.1	26.1	39.1

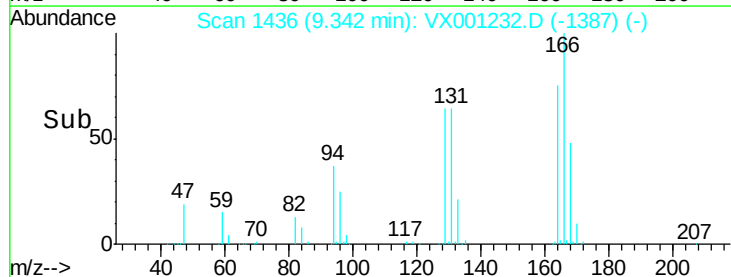
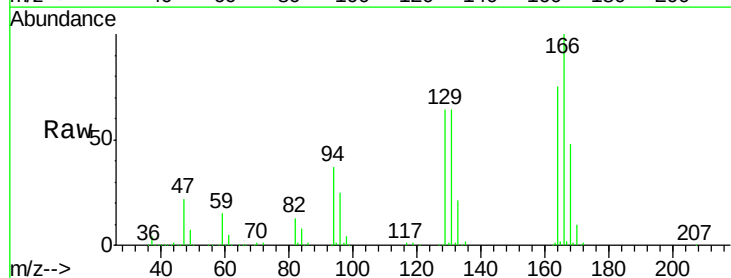
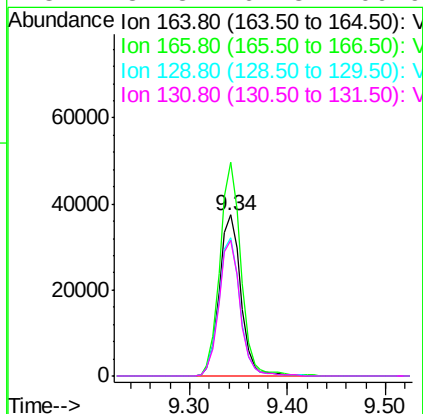
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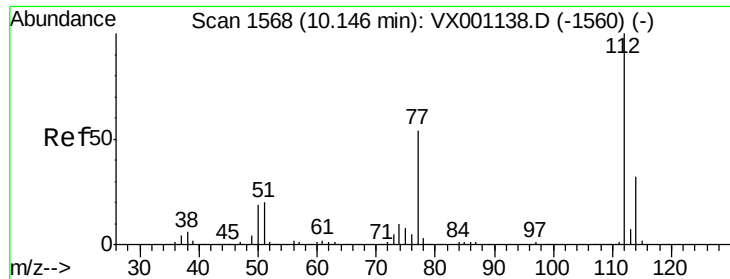
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#64
Tetrachloroethene
Concen: 21.88 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.7	105.0	157.6
129	85.6	69.4	104.2
131	84.3	67.3	100.9





#65

Chlorobenzene

Concen: 20.09 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion:112 Resp: 130163

Ion Ratio Lower Upper

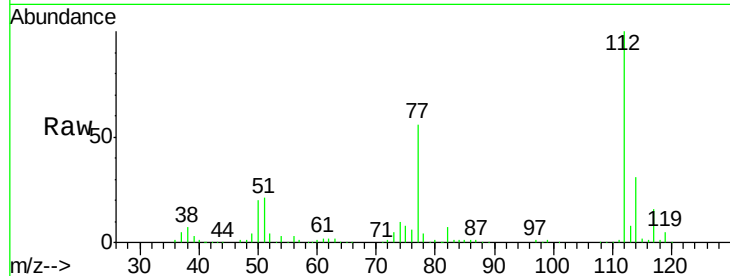
112 100

114 31.4 25.7 38.5

Manual Integrations
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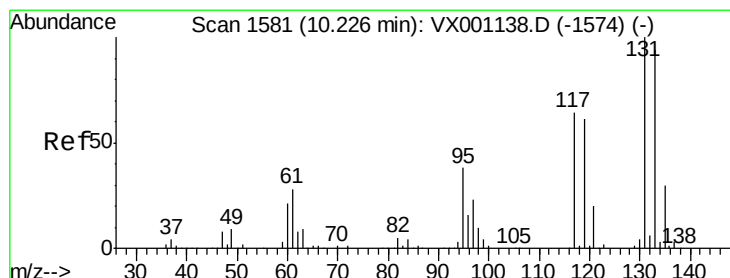
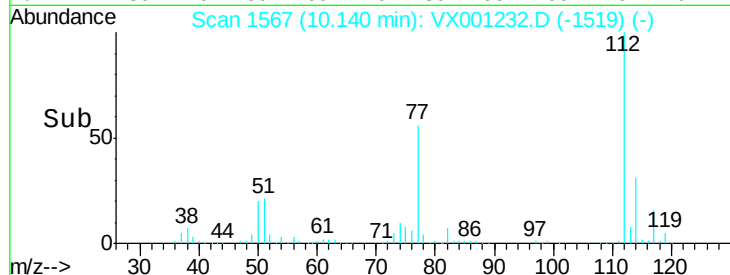
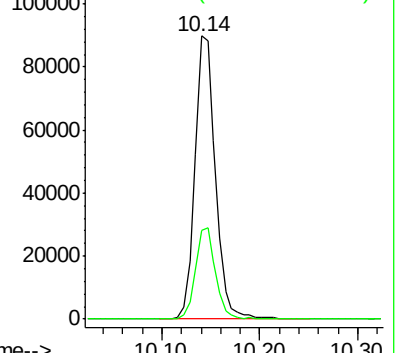
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.20 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

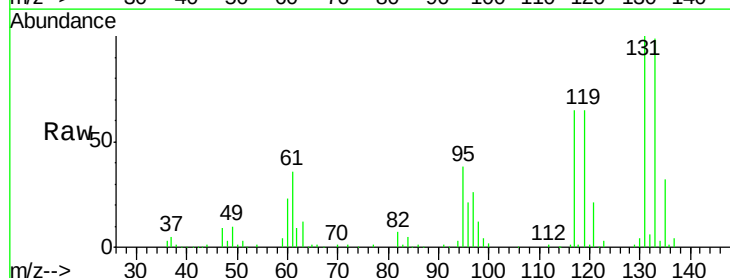
Tgt Ion:131 Resp: 45264

Ion Ratio Lower Upper

131 100

133 96.3 47.8 143.4

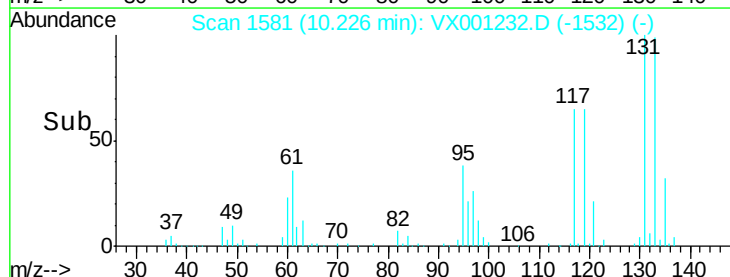
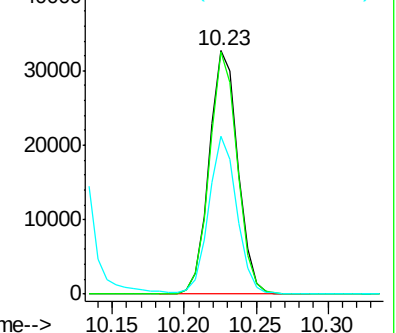
119 63.6 31.3 93.8

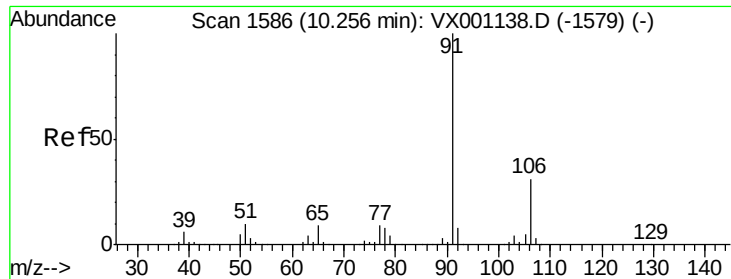


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.02 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampled :

VX0428WBSD02

Tot Ion: 91 Resp: 210731

Ion Ratio Lower Upper

91 100

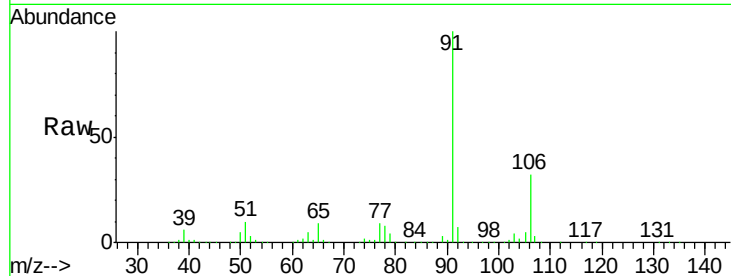
106 31.8 24.8 37.2

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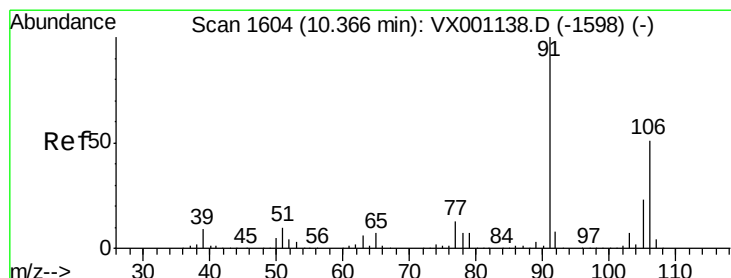
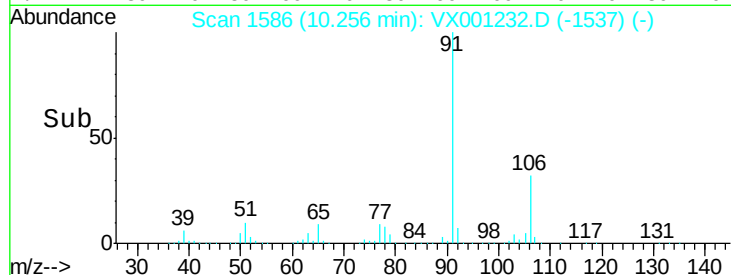
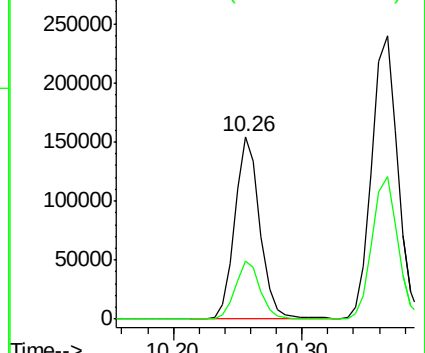
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.14 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001232.D

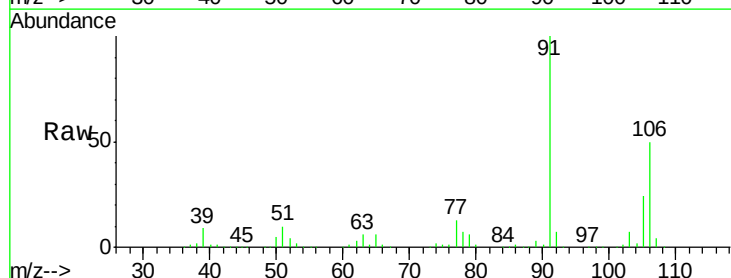
Acq: 29 Apr 2018 00:03

Tgt Ion: 106 Resp: 167022

Ion Ratio Lower Upper

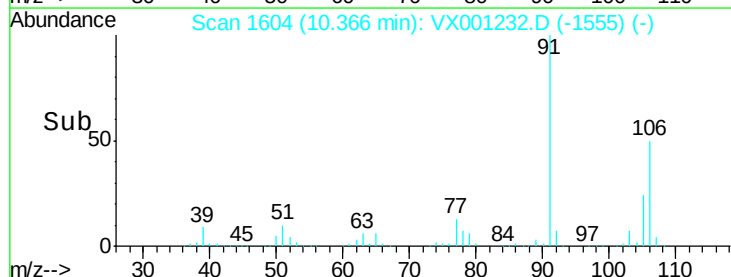
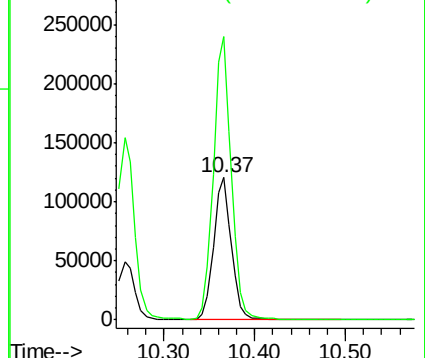
106 100

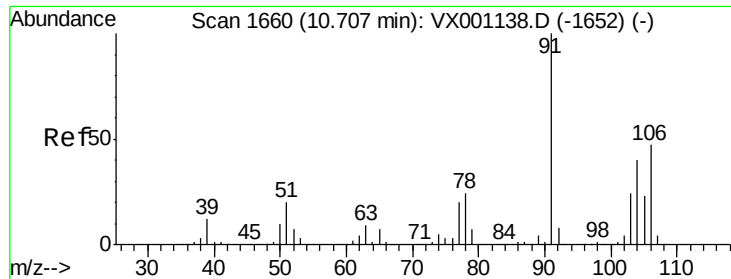
91 200.3 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





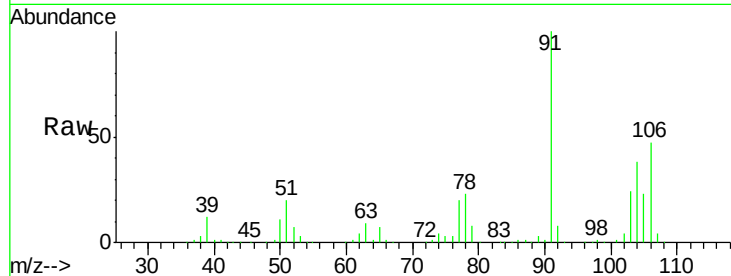
#69
o-Xylene
Concen: 19.91 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampled :
VX0428WBSD02

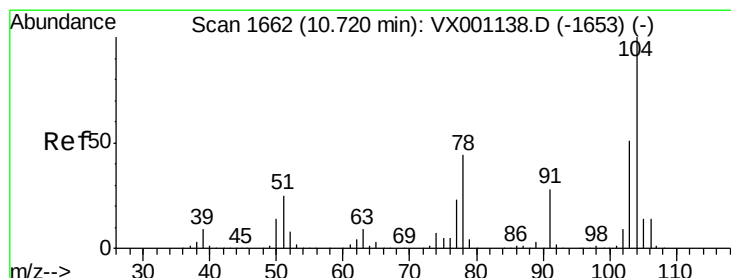
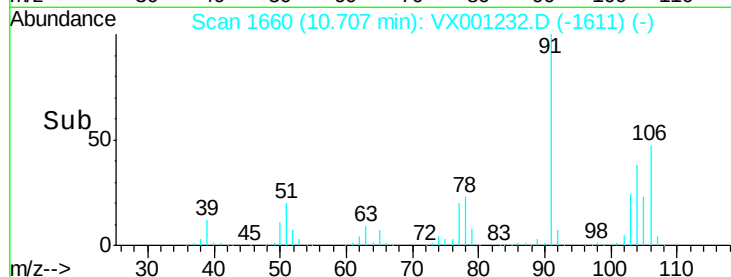
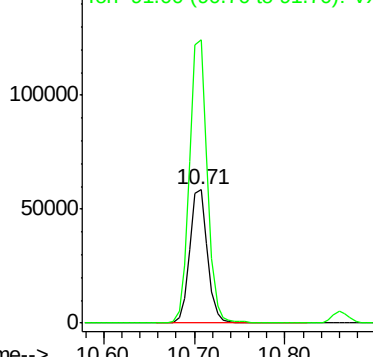
Tot Ion:106 Resp: 80336
Ion Ratio Lower Upper
106 100
91 212.5 106.2 318.5

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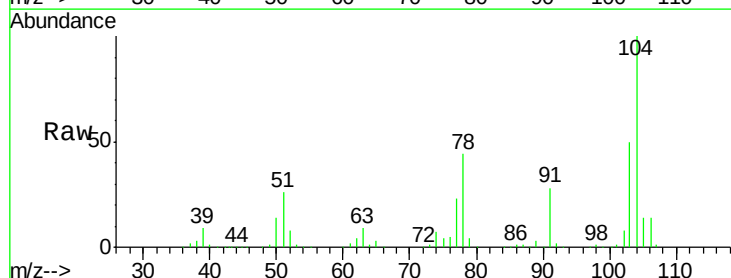


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

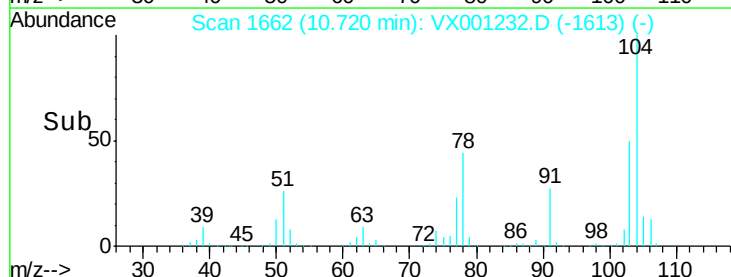
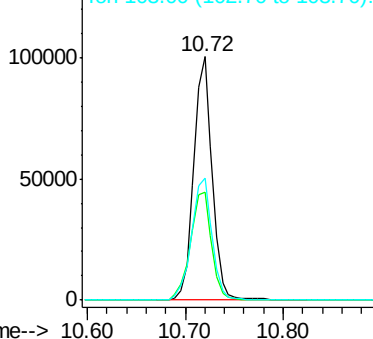


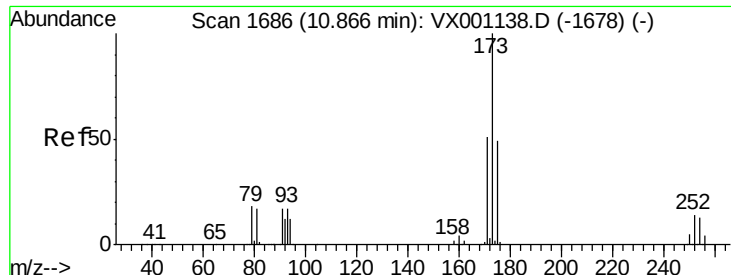
#70
Styrene
Concen: 19.61 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion:104 Resp: 131680
Ion Ratio Lower Upper
104 100
78 50.8 40.3 60.5
103 55.9 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





#71

Bromoform

Concen: 18.47 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion:173 Resp: 35365

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.8

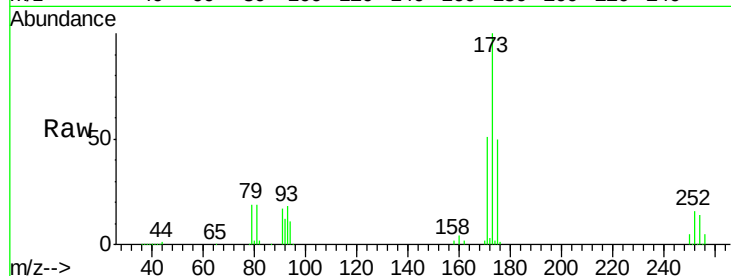
254 0.3 0.2 0.2#

Manual Integrations

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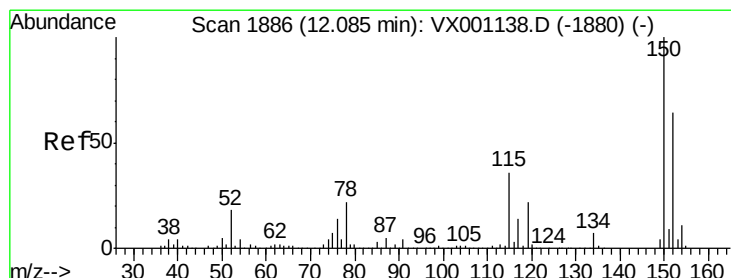
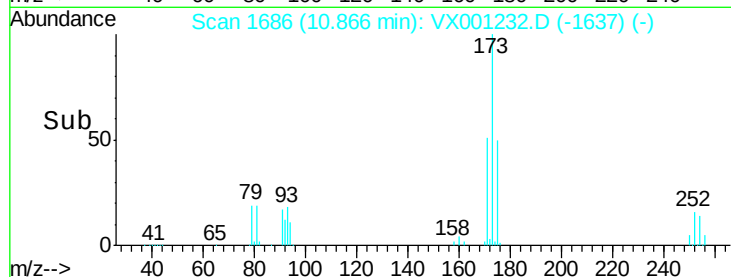
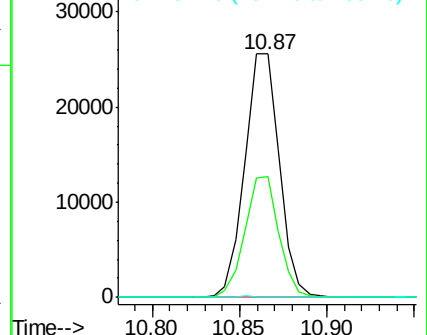
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX001232.D

Acq: 29 Apr 2018 00:03

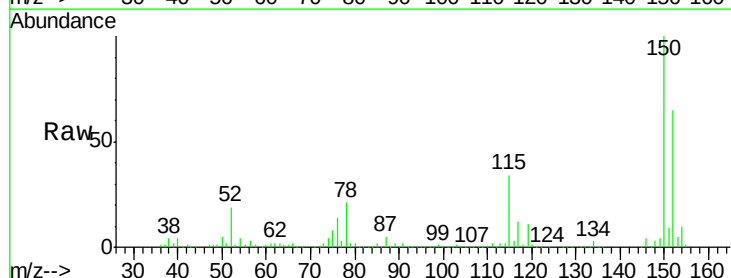
Tgt Ion:152 Resp: 165630

Ion Ratio Lower Upper

152 100

115 62.3 38.0 114.0

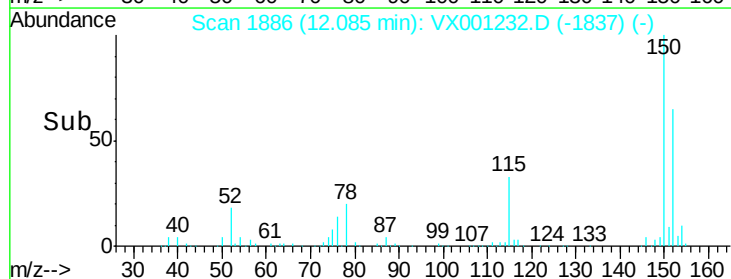
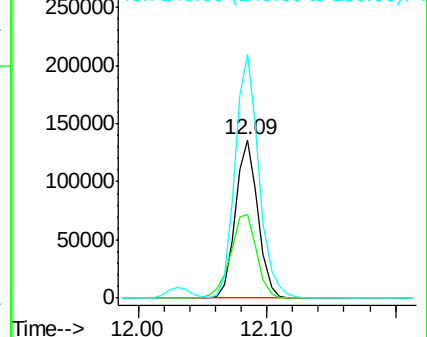
150 163.7 0.0 349.6

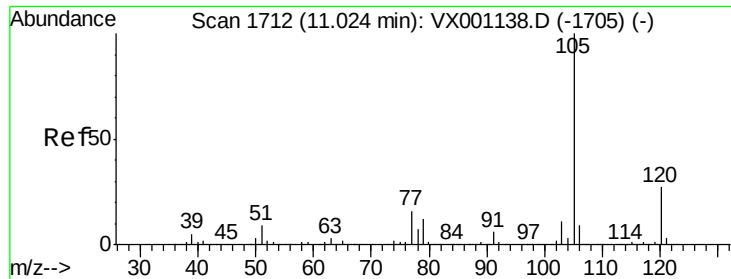


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.23 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion:105 Resp: 218340

Ion Ratio Lower Upper

105 100

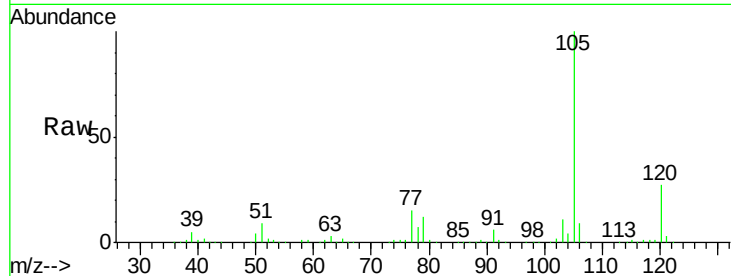
120 27.1 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

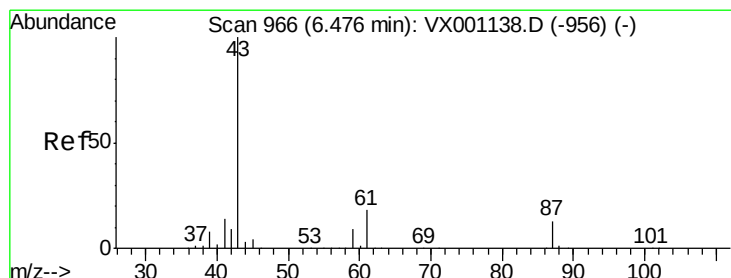
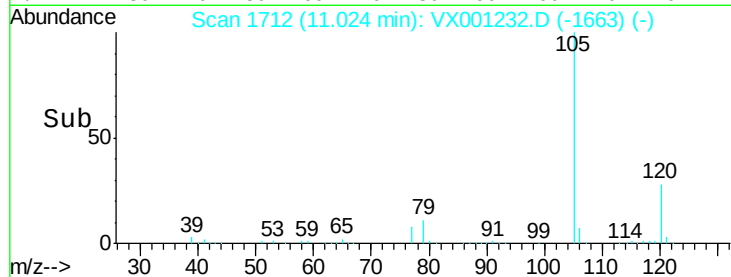
100000

50000

0

11.00 11.10

Time-->



#74

N-ethyl acetate

Concen: 18.05 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion: 43 Resp: 98209

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 18.7 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

60000

50000

40000

30000

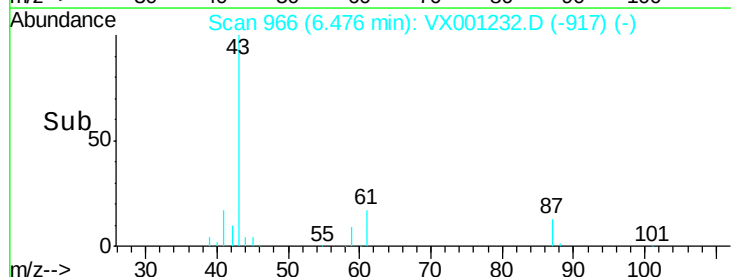
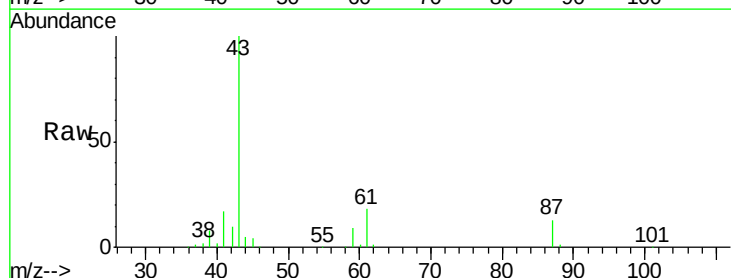
20000

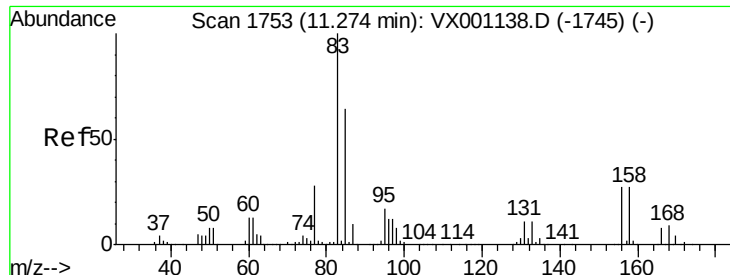
10000

0

6.40 6.50 6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.83 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

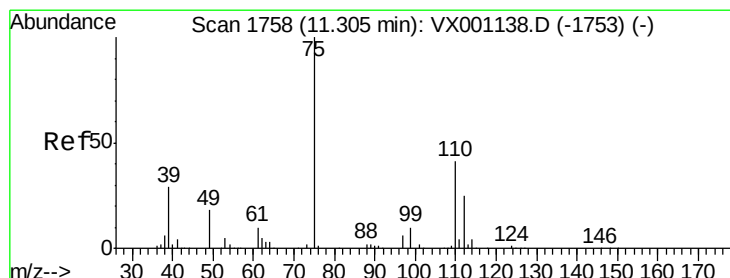
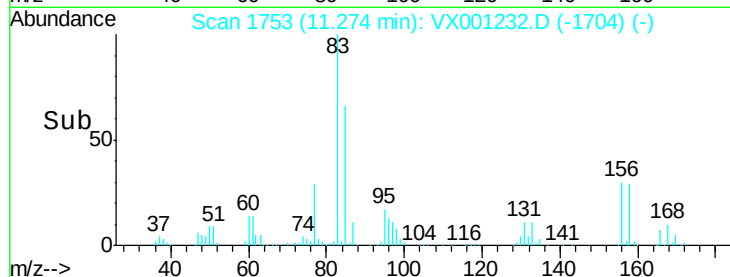
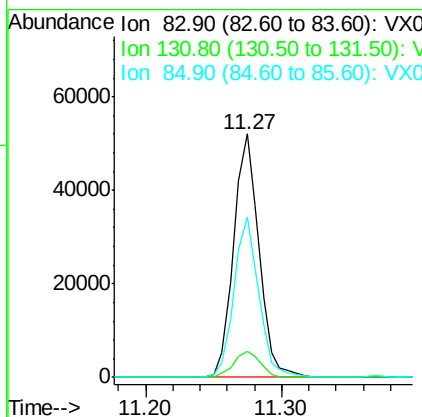
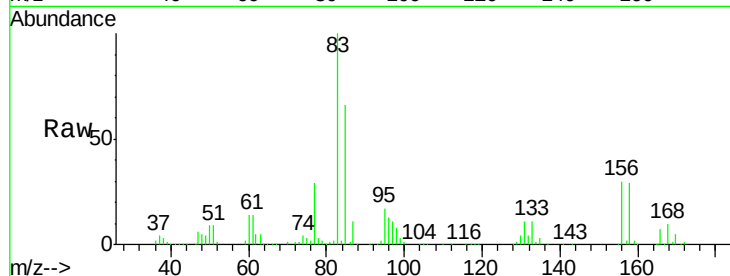
ClientSampled :

VX0428WBSD02

Tot Ion:	83	Resp:	67433
Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.8	17.4
85	64.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.28 ug/l m

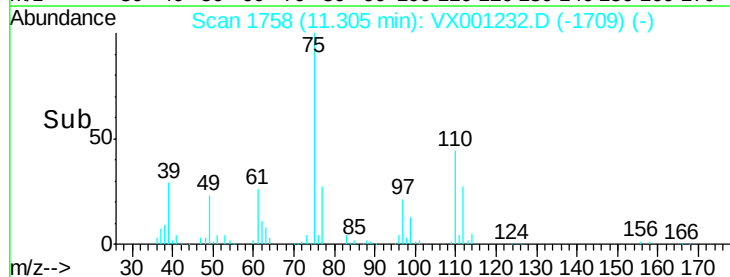
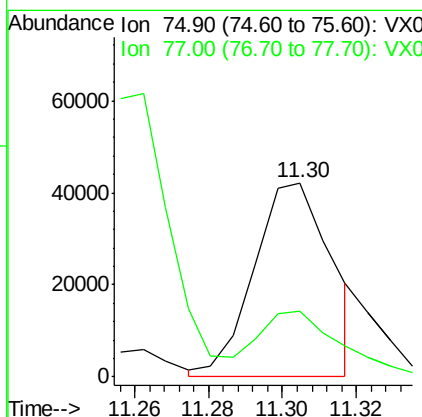
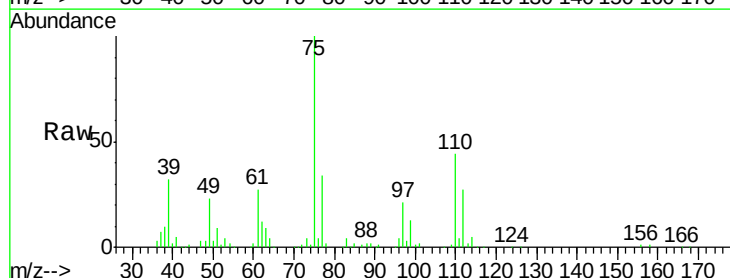
RT: 11.30 min Scan# 1758

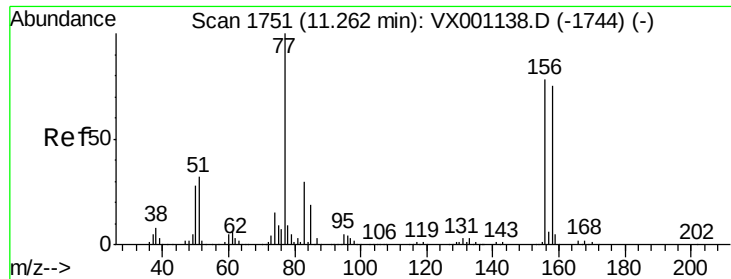
Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion:	75	Resp:	61646
Ion	Ratio	Lower	Upper
75	100		
77	35.7	18.9	56.9





#77

Bromobenzene

Concen: 20.03 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

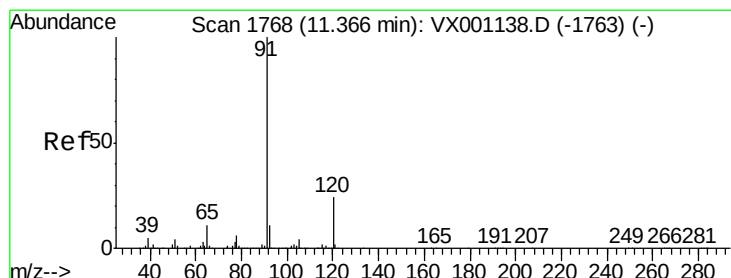
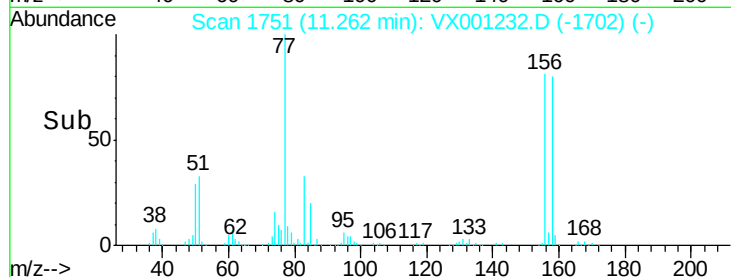
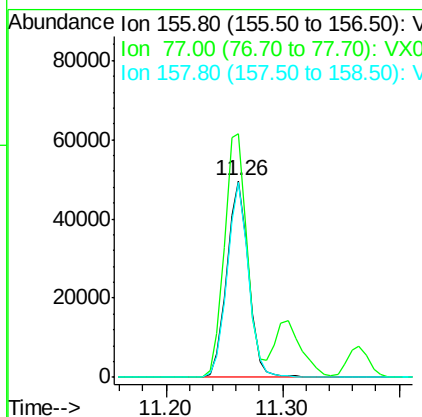
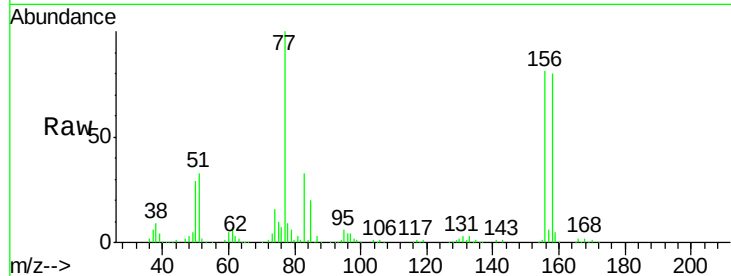
ClientSampleId :

VX0428WBSD02

Tot Ion:	156	Resp:	64113
Ion Ratio	Lower	Upper	
156	100		
77	130.3	67.8	203.2
158	97.6	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 20.14 ug/l

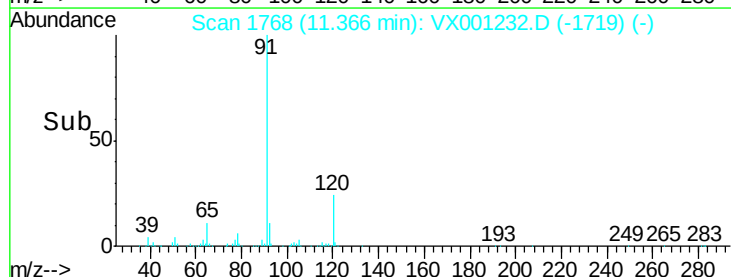
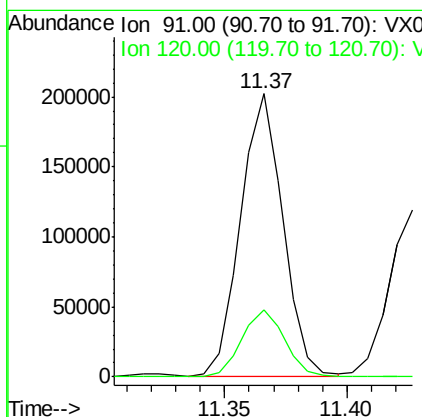
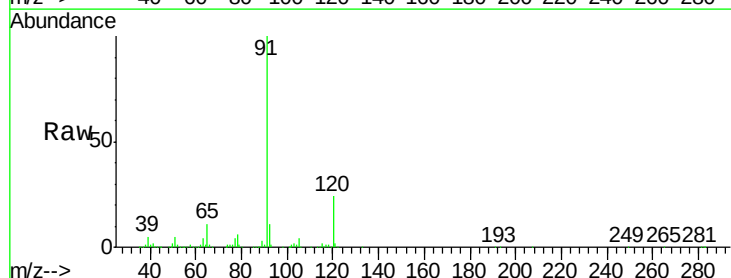
RT: 11.37 min Scan# 1768

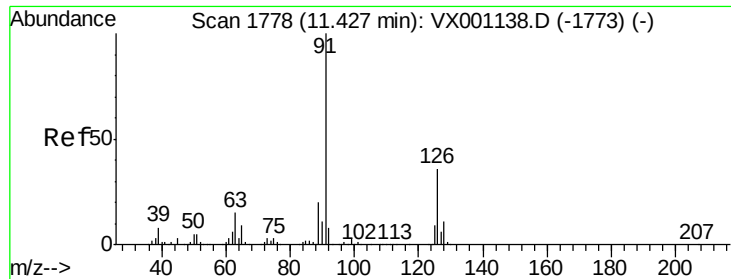
Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion:	91	Resp:	242452
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.2	36.6





#79

2-Chlorotoluene

Concen: 19.91 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampled :

VX0428WBSD02

Tot Ion: 91 Resp: 148601

Ion Ratio Lower Upper

91 100

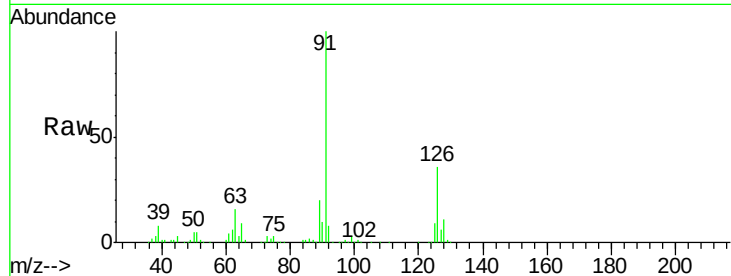
126 36.2 18.2 54.6

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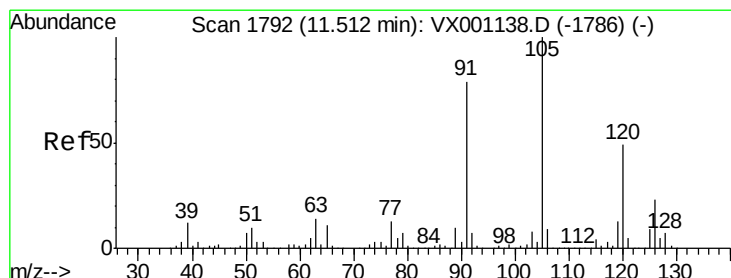
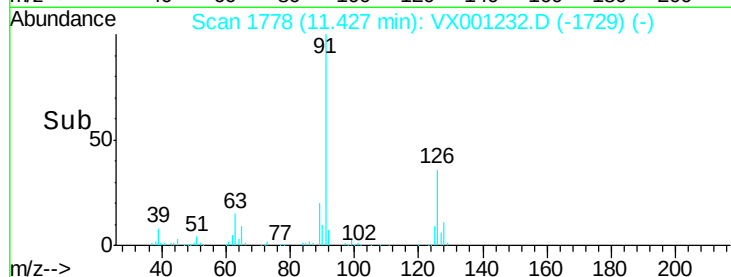
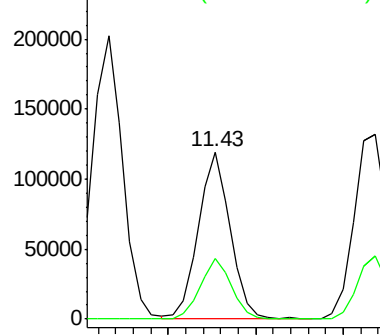
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.14 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001232.D

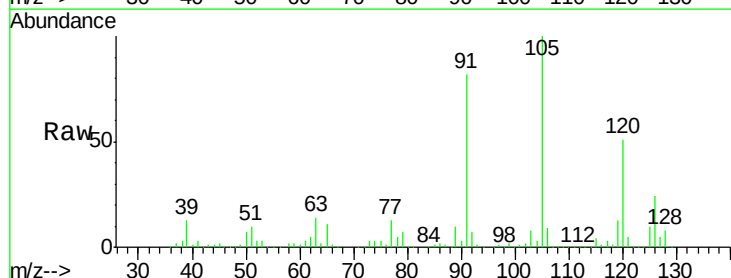
Acq: 29 Apr 2018 00:03

Tgt Ion:105 Resp: 184037

Ion Ratio Lower Upper

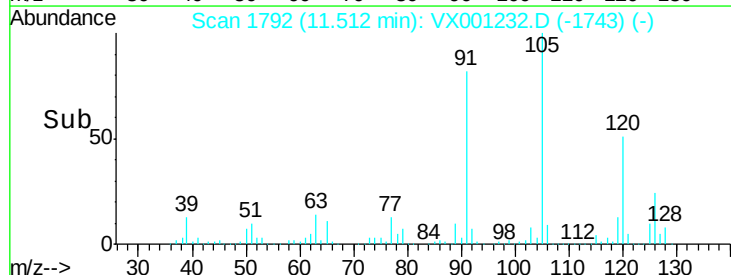
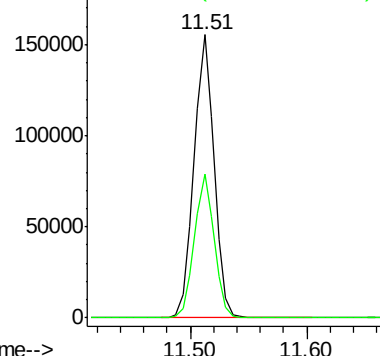
105 100

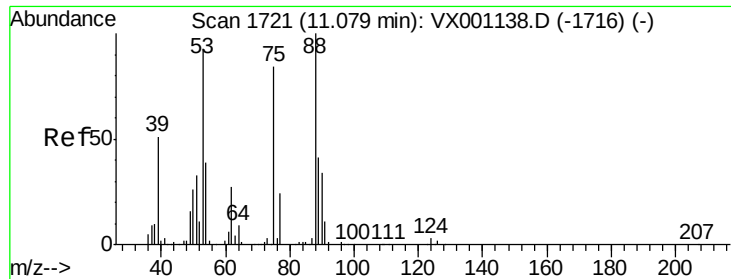
120 49.9 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





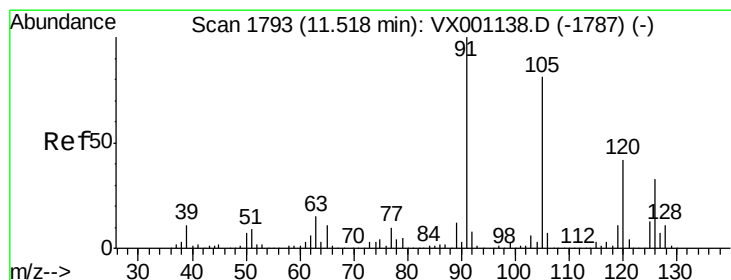
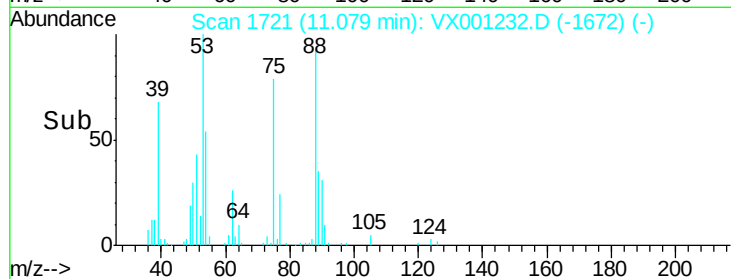
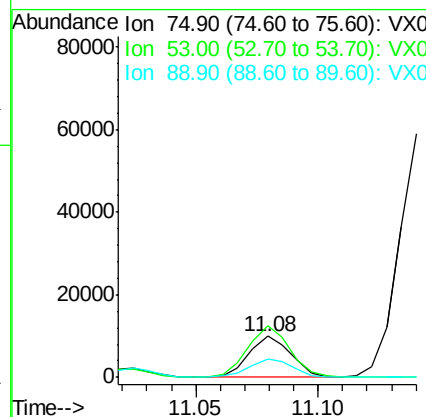
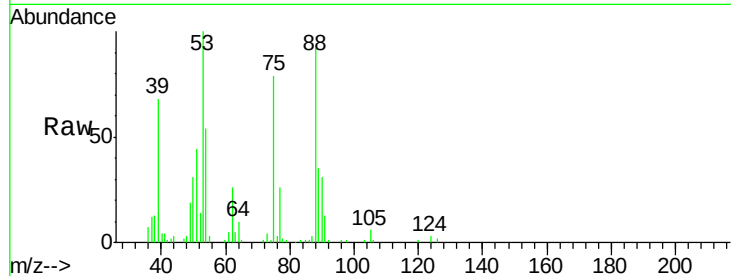
#81
trans-1,4-Dichloro-2-butene
Concen: 15.20 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	128.8	87.9	131.9
89	46.4	37.7	56.5

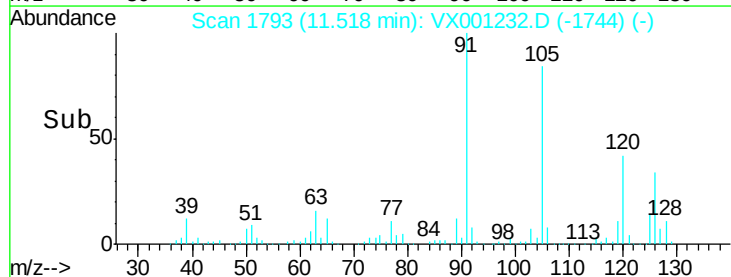
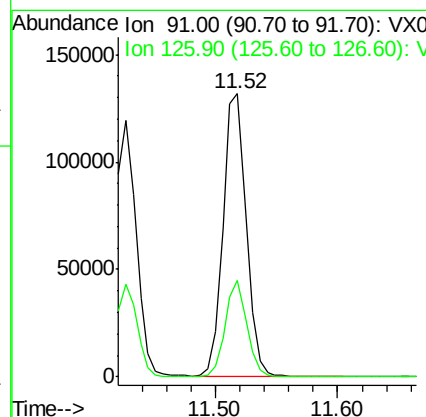
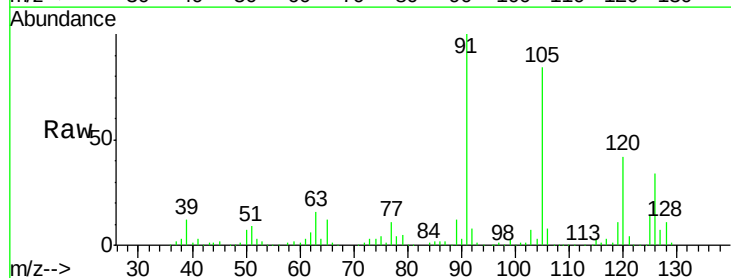
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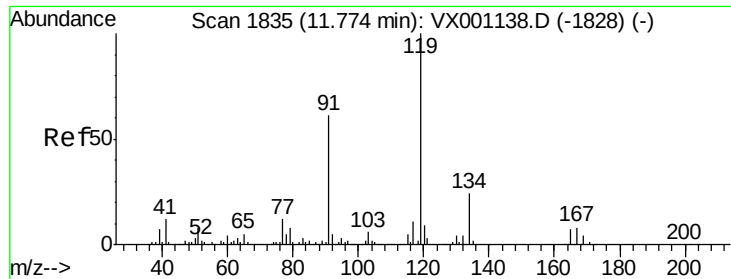
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#82
4-Chlorotoluene
Concen: 19.68 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.8	47.4





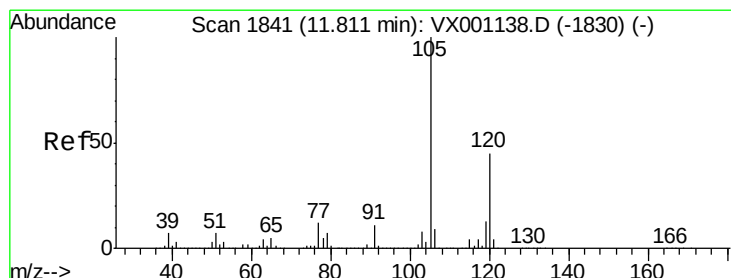
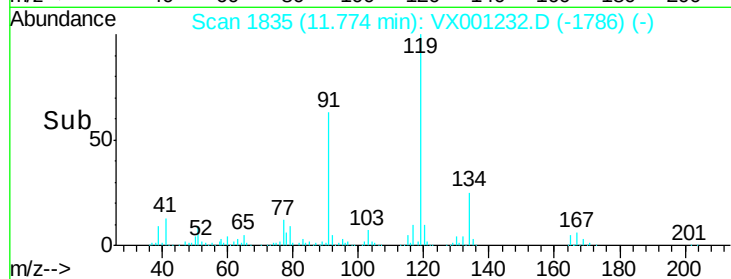
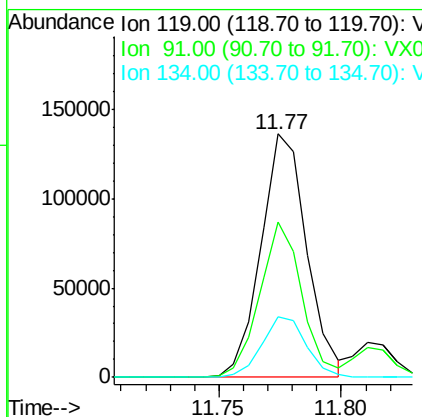
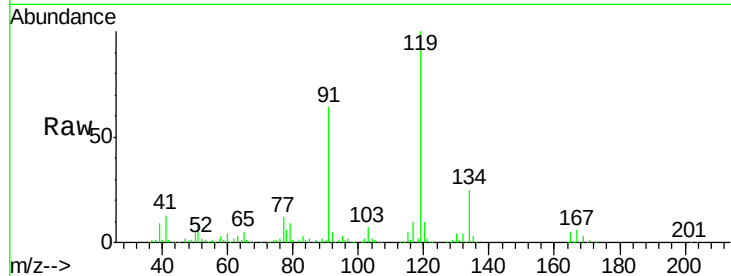
#83
 tert-Butylbenzene
 Concen: 19.59 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.8	27.6	82.8
134	24.5	11.5	34.5

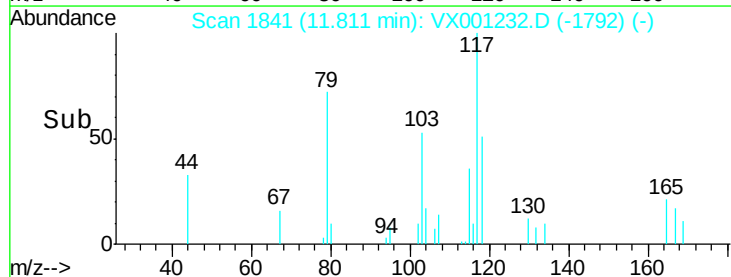
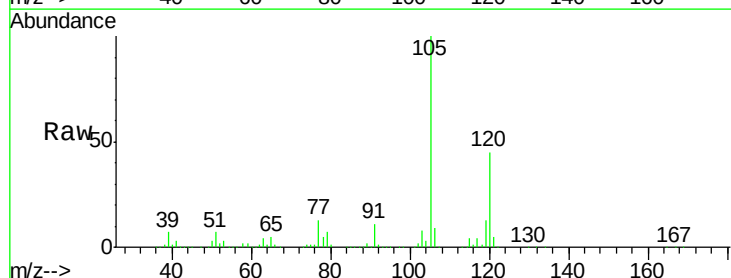
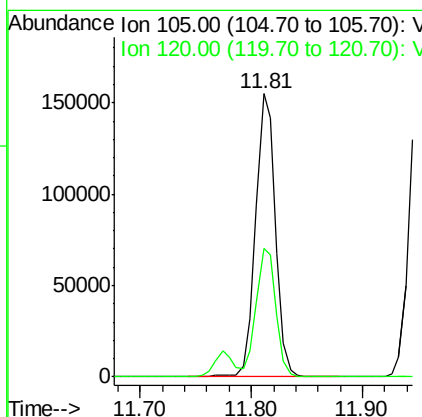
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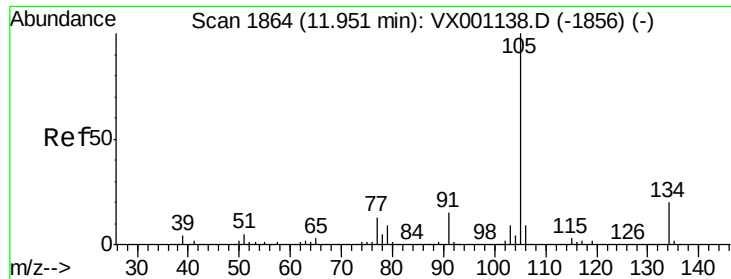
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.43 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 20.50 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBSD02

Tot Ion:105 Resp: 218446

Ion Ratio Lower Upper

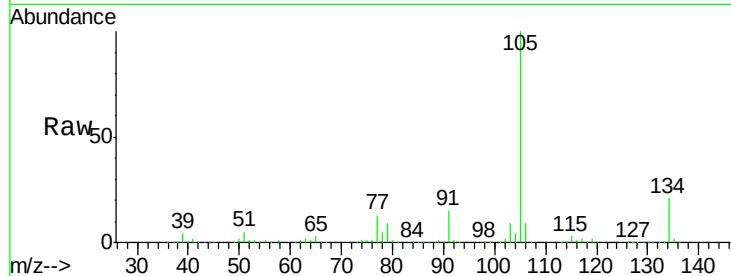
105 100

134 21.5 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

11.95

200000

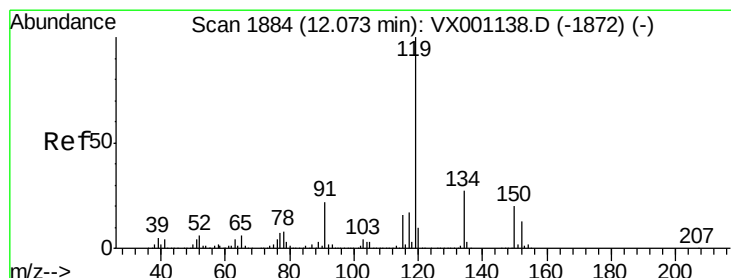
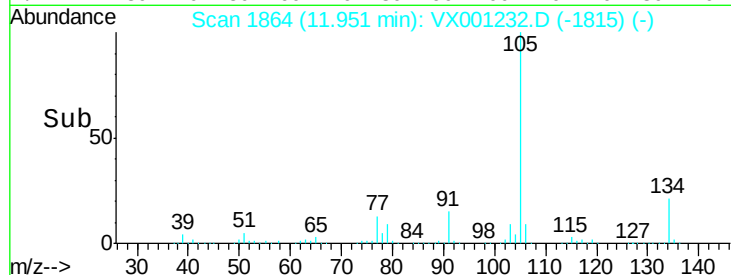
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.14 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

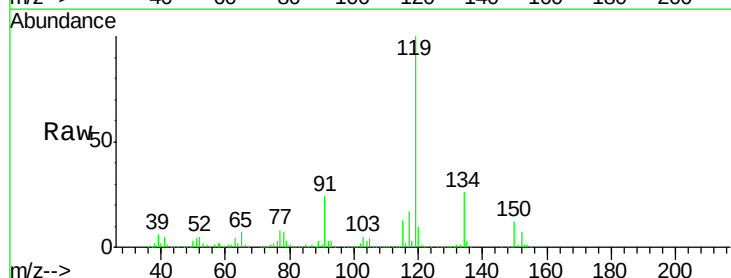
Tgt Ion:119 Resp: 199617

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 23.2 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

12.07

200000

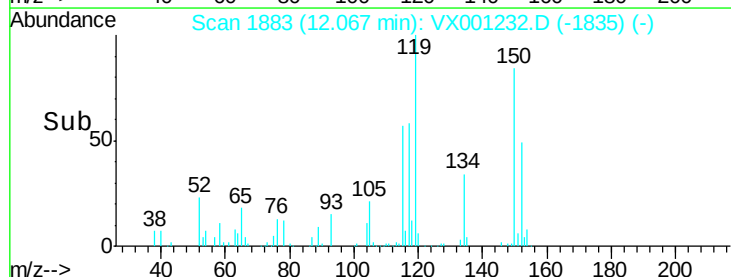
150000

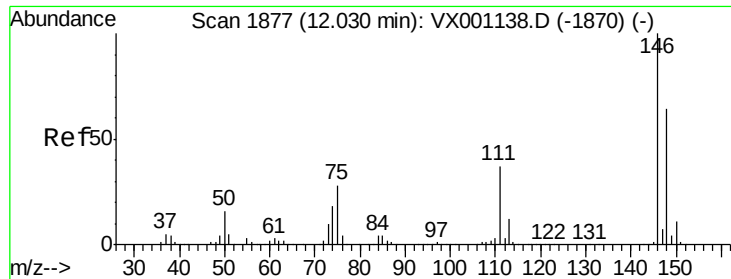
100000

50000

0

Time-->





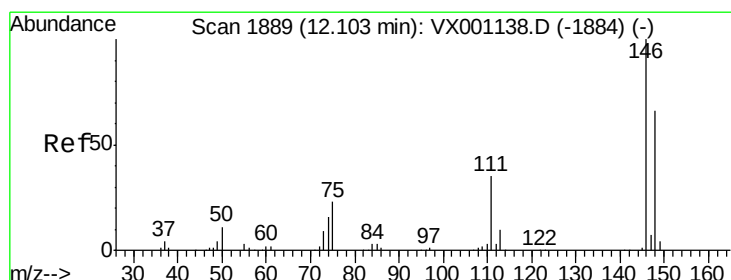
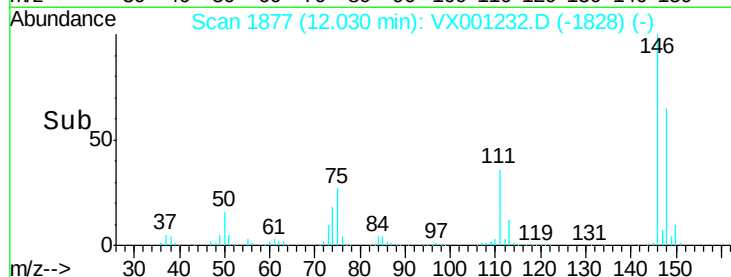
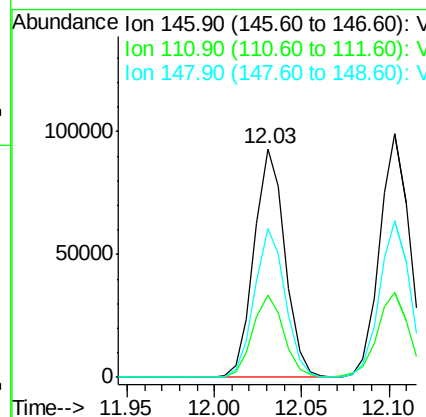
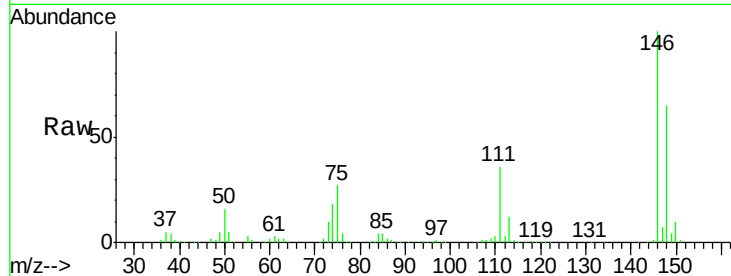
#87
 1,3-Dichlorobenzene
 Concen: 19.93 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampled :
 VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.6	56.0
148	64.8	32.3	96.8

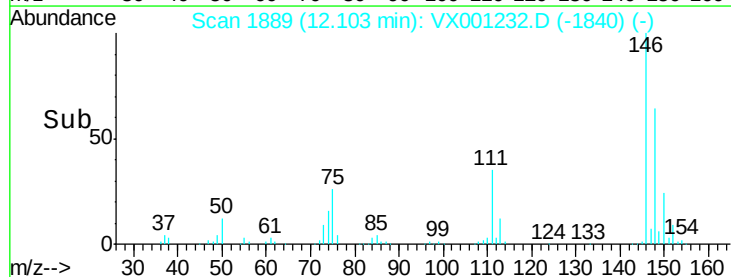
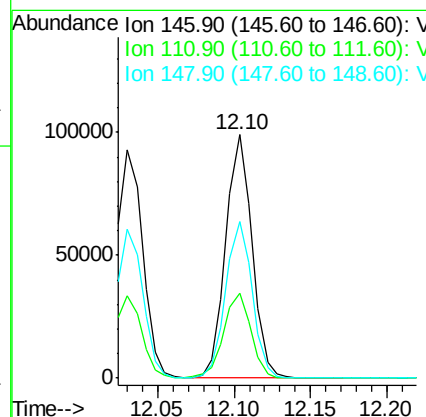
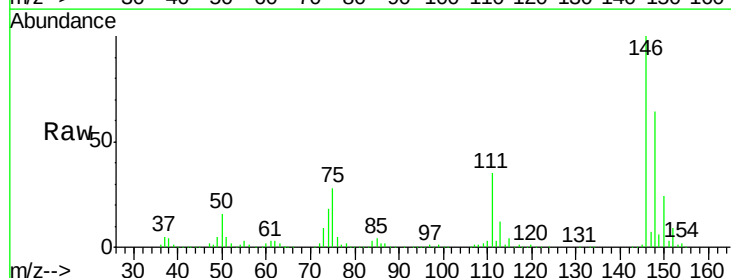
Manual Integrations
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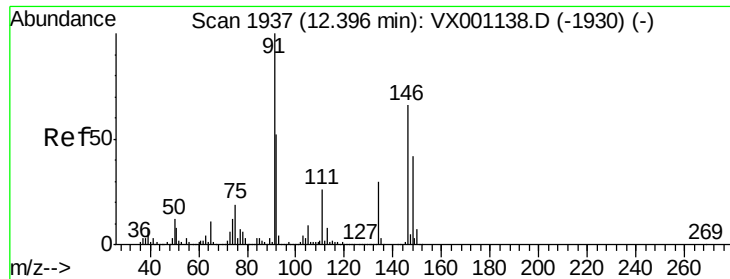
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#88
 1,4-Dichlorobenzene
 Concen: 19.75 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.0	54.0
148	65.2	32.5	97.5





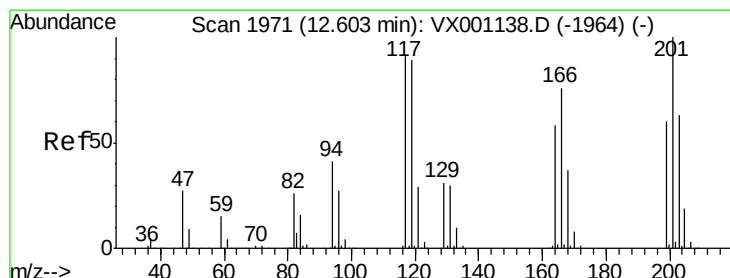
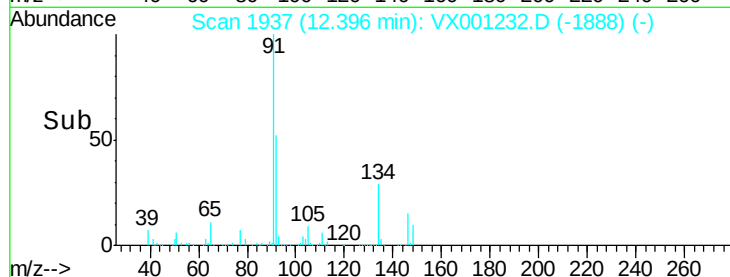
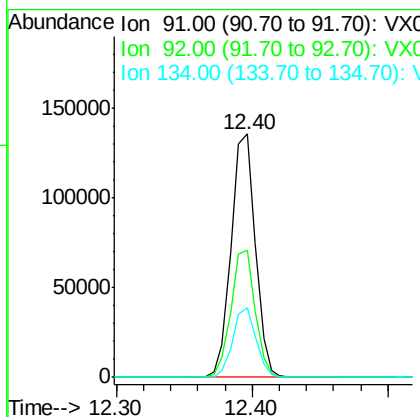
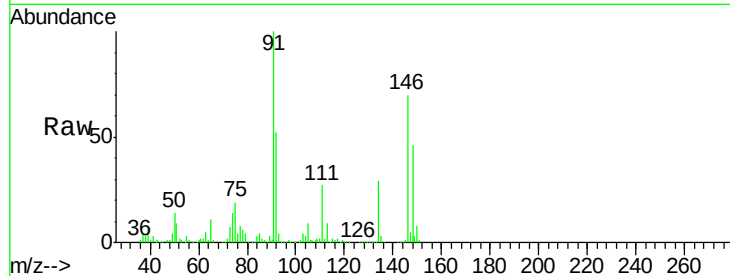
#89
n-Butylbenzene
Concen: 19.56 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	27.8	14.1	42.3

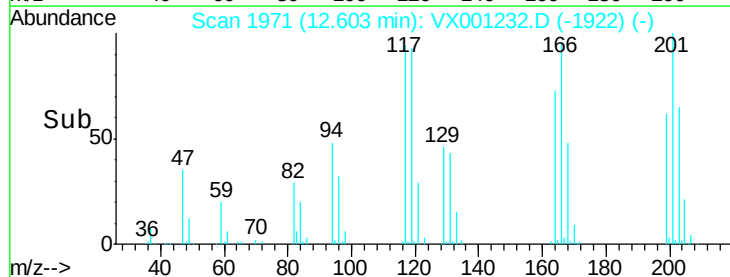
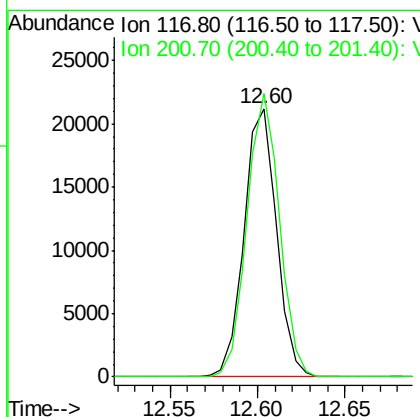
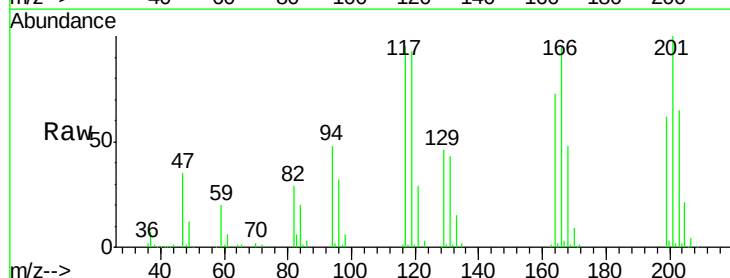
Manual Integrations
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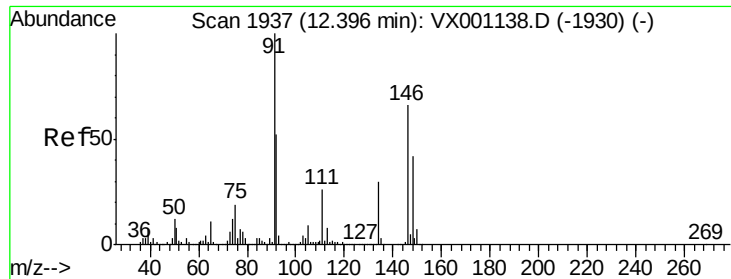
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#90
Hexachloroethane
Concen: 19.32 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001232.D
Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.6	51.8	155.4





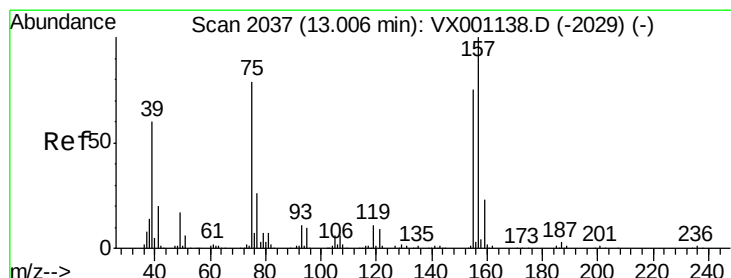
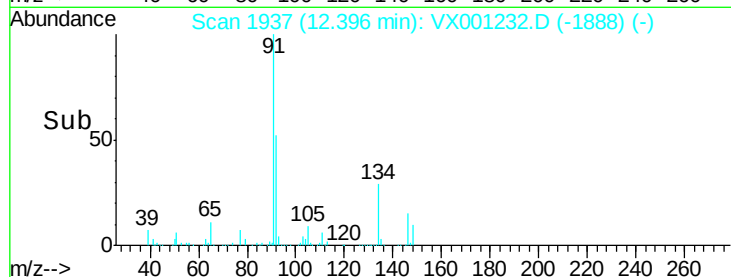
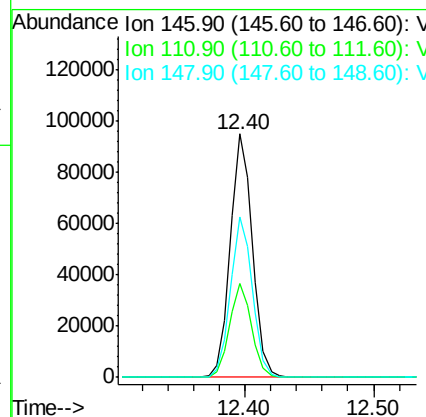
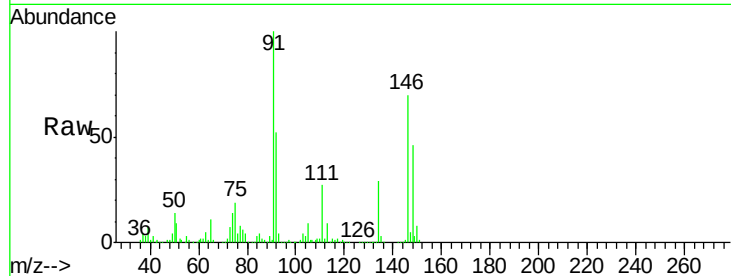
#91
 1,2-Dichlorobenzene
 Concen: 19.80 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	65.3	32.2	96.6

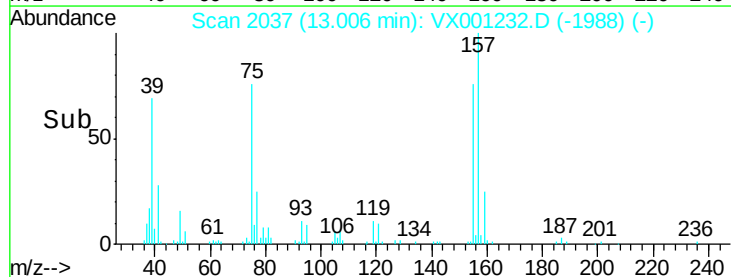
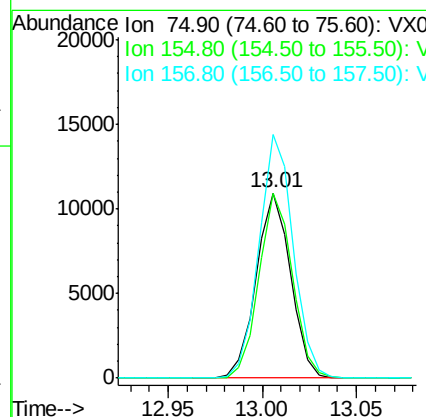
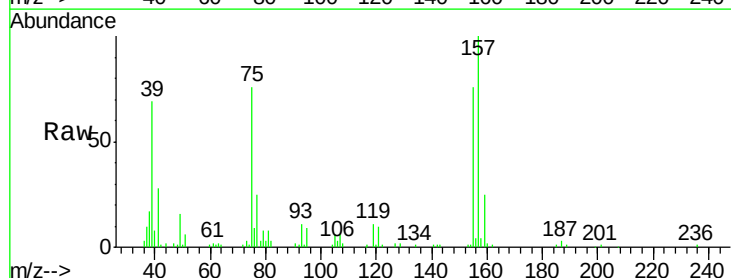
Manual Integrations
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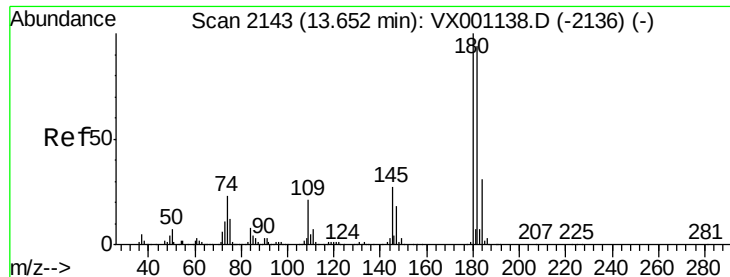
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.54 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	48.4	145.3
157	130.2	62.7	188.1





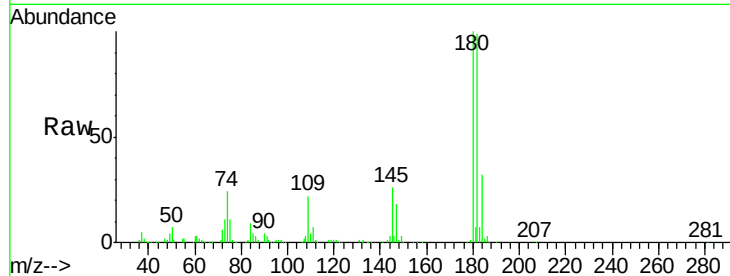
#93
 1,2,4-Trichlorobenzene
 Concen: 19.26 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBSD02

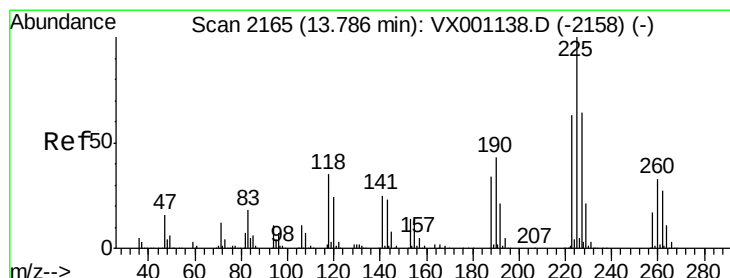
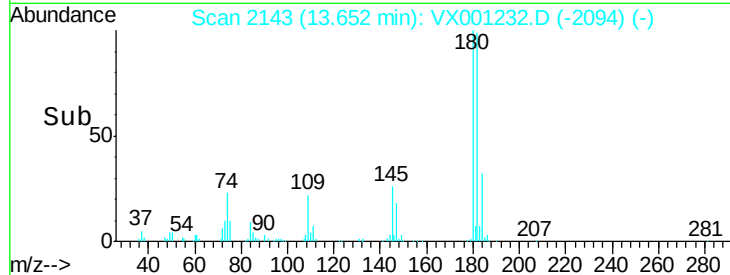
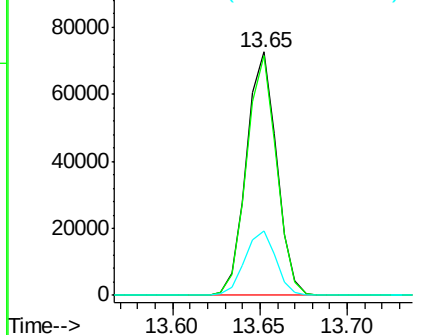
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.9	143.6
145	27.1	13.8	41.4

Manual Integrations
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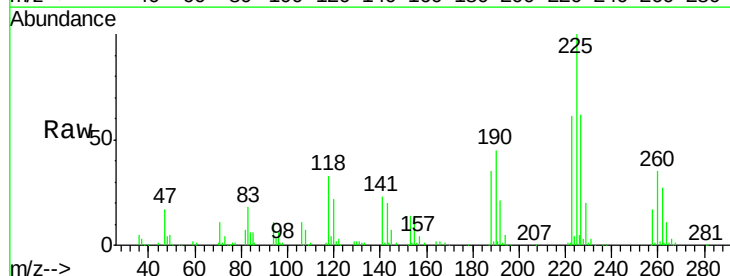


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

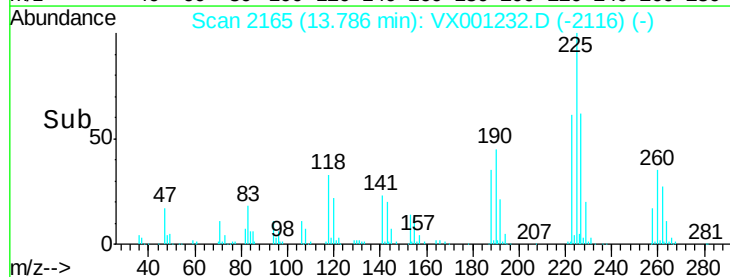
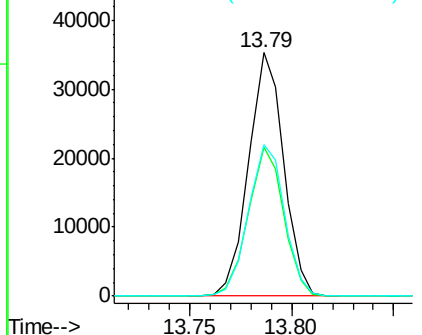


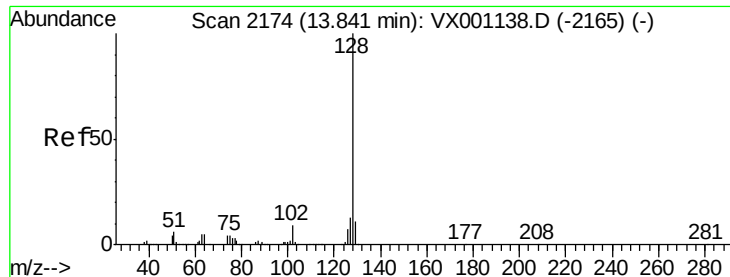
#94
 Hexachlorobutadiene
 Concen: 19.79 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001232.D
 Acq: 29 Apr 2018 00:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.3	93.9
227	63.7	32.2	96.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.15 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Instrument :

MSVOA_X

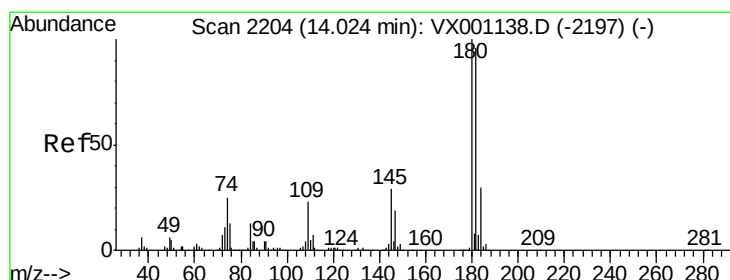
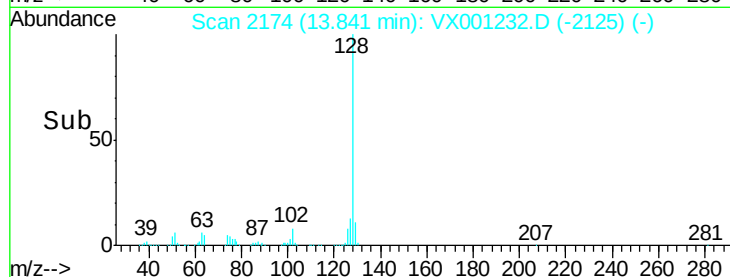
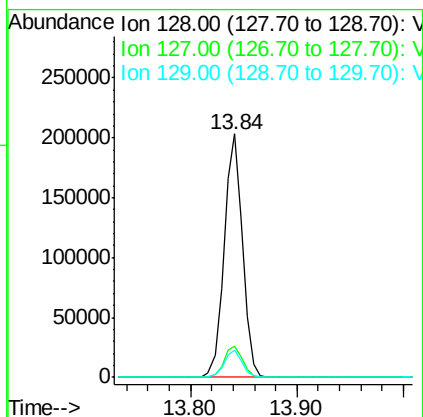
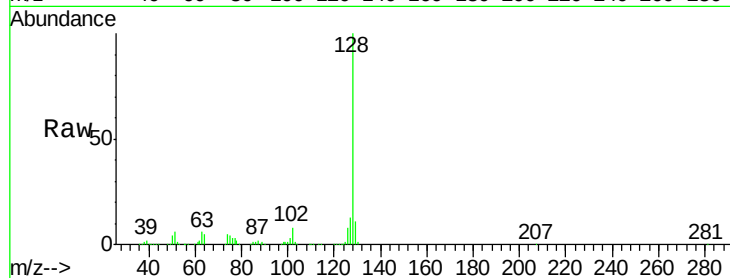
ClientSampleId :

VX0428WBSD02

Tot Ion:	128	Resp:	243016
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
5/1/2018 7:46:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.87 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001232.D

Acq: 29 Apr 2018 00:03

Tgt Ion:	180	Resp:	90044
Ion Ratio	Lower	Upper	
180	100		
182	96.9	48.2	144.6
145	28.4	14.5	43.5

