

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
 Data File : VX001136.D
 Acq On : 26 Apr 2018 17:29
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:03:25 PM

Quant Time: Apr 27 01:31:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:18:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	302945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	281729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	181589	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	16575	5.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.46%	
35) Dibromofluoromethane	5.51	113	11515	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
50) Toluene-d8	8.72	98	45829	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	
62) 4-Bromofluorobenzene	11.14	95	17016	4.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	11777	4.51	ug/l	96
3) Chloromethane	1.32	50	11968	4.79	ug/l	98
4) Vinyl Chloride	1.40	62	12750	4.87	ug/l	96
5) Bromomethane	1.64	94	8630	5.31	ug/l	100
6) Chloroethane	1.72	64	8156	5.15	ug/l	99
7) Trichlorofluoromethane	1.93	101	21569	5.42	ug/l	98
8) Diethyl Ether	2.20	74	7795	5.22	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	12143	5.25	ug/l	97
10) Methyl Iodide	2.51	142	6893	3.51	ug/l	99
11) Tert butyl alcohol	3.09	59	16539	34.42	ug/l	95
12) 1,1-Dichloroethene	2.37	96	10971	5.08	ug/l	95
13) Acrolein	2.30	56	7320	45.15	ug/l	99
14) Allyl chloride	2.73	41	19285	4.88	ug/l	96
15) Acrylonitrile	3.15	53	34603	28.90	ug/l	97
16) Acetone	2.45	43	36084	32.37	ug/l	99
17) Carbon Disulfide	2.57	76	26276	4.33	ug/l	100
18) Methyl Acetate	2.79	43	16766	5.19	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	39923	5.38	ug/l	99
20) Methylene Chloride	2.86	84	12924	5.18	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	12203	5.05	ug/l	98
22) Diisopropyl ether	3.88	45	38999	5.10	ug/l	97
23) Vinyl Acetate	3.83	43	159936	24.93	ug/l	100
24) 1,1-Dichloroethane	3.70	63	20770	4.89	ug/l	98
25) 2-Butanone	4.72	43	50411	29.12	ug/l	100
26) 2,2-Dichloropropane	4.59	77	15924	4.43	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	13315	4.96	ug/l	99
28) Bromochloromethane	5.03	49	9155	5.41	ug/l	100
29) Tetrahydrofuran	5.18	42	32087	29.29	ug/l	99
30) Chloroform	5.22	83	21594	4.88	ug/l	96
31) Cyclohexane	5.58	56	17851	4.57	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	18271	4.64	ug/l	98
36) 1,1-Dichloropropene	5.81	75	16123	4.59	ug/l	97
37) Ethyl Acetate	4.87	43	19253	5.70	ug/l	99
38) Carbon Tetrachloride	5.79	117	15925	4.47	ug/l	98

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 ALS Vial : 4 Sample Multiplier: 1

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:18:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	18329	4.52	ug/l	92
40) Benzene	6.15	78	47027	4.77	ug/l	98
41) Methacrylonitrile	5.07	41	11410	5.47	ug/l	98
42) 1,2-Dichloroethane	6.21	62	19273	5.04	ug/l	100
43) Isopropyl Acetate	6.48	43	28510	4.97	ug/l	99
44) Trichloroethene	7.22	130	14297	4.77	ug/l	93
45) 1,2-Dichloropropane	7.53	63	11976	4.81	ug/l	93
46) Dibromomethane	7.67	93	8459	4.84	ug/l	98
47) Bromodichloromethane	7.90	83	14064	4.37	ug/l #	94
48) Methyl methacrylate	7.79	41	15229	4.96	ug/l	99
49) 1,4-Dioxane	7.77	88	6363	129.98	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	95503	27.01	ug/l	100
52) Toluene	8.79	92	31064	4.83	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	16349	4.26	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	13454	3.72	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	12396	4.80	ug/l	98
56) Ethyl methacrylate	9.19	69	17727	4.65	ug/l	97
57) 1,3-Dichloropropane	9.38	76	20951	4.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	46484	25.21	ug/l	98
59) 2-Hexanone	9.51	43	73842	27.16	ug/l	99
60) Dibromochloromethane	9.59	129	10373	3.84	ug/l	97
61) 1,2-Dibromoethane	9.68	107	12914	4.72	ug/l	99
64) Tetrachloroethene	9.34	164	15986	5.36	ug/l	95
65) Chlorobenzene	10.15	112	36155	4.83	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	11412	4.43	ug/l	99
67) Ethyl Benzene	10.26	91	58610	4.73	ug/l	98
68) m/p-Xylenes	10.37	106	46007	9.43	ug/l	99
69) o-Xylene	10.70	106	22143	4.69	ug/l	96
70) Styrene	10.72	104	35407	4.56	ug/l	98
71) Bromoform	10.87	173	8346	3.92	ug/l #	100
73) Isopropylbenzene	11.02	105	59579	5.04	ug/l	100
74) N-amyl acetate	6.48	43	28510	5.47	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	18484	5.39	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	17763m	5.48	ug/l	
77) Bromobenzene	11.26	156	17363	5.05	ug/l	98
78) n-propylbenzene	11.37	91	65822	4.86	ug/l	100
79) 2-Chlorotoluene	11.43	91	40984	5.10	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	49234	4.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	3328	3.69	ug/l #	82
82) 4-Chlorotoluene	11.52	91	47933	4.94	ug/l	99
83) tert-Butylbenzene	11.77	119	47879	4.74	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	50664	4.90	ug/l	99
85) sec-Butylbenzene	11.95	105	57916	4.82	ug/l	100
86) p-Isopropyltoluene	12.07	119	53312	4.79	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	30728	4.79	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	32013	4.85	ug/l	96
89) n-Butylbenzene	12.39	91	44382	4.50	ug/l	99
90) Hexachloroethane	12.60	117	6571	4.18	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	31643	5.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3829	5.22	ug/l	93

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MSVOA_X
ClientSampleId :
VSTDICC005

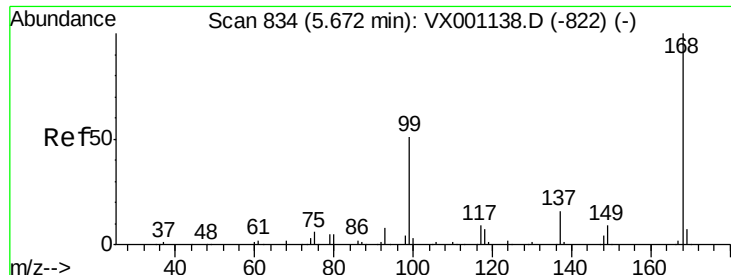
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	24098	4.65	ug/l	98
94) Hexachlorobutadiene	13.79	225	11426	4.83	ug/l	98
95) Naphthalene	13.84	128	66501	5.11	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	24452	4.85	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: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 221665

Ion Ratio Lower Upper

168 100

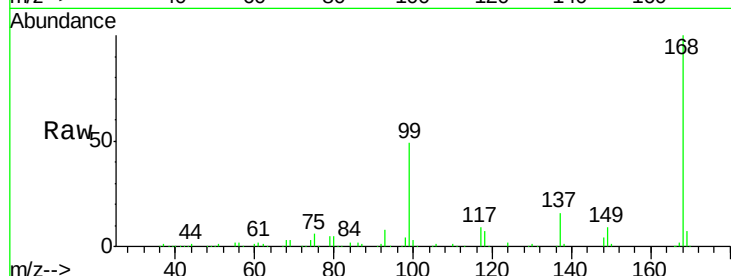
99 49.5 40.6 60.8

Manual Integrations

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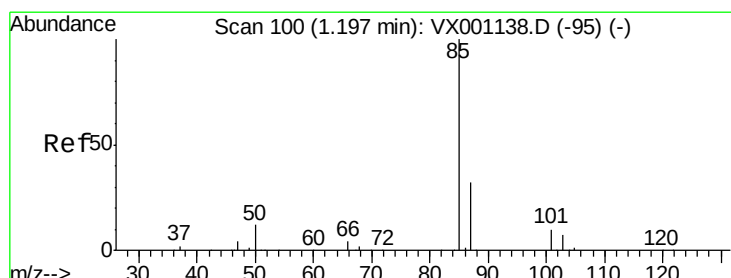
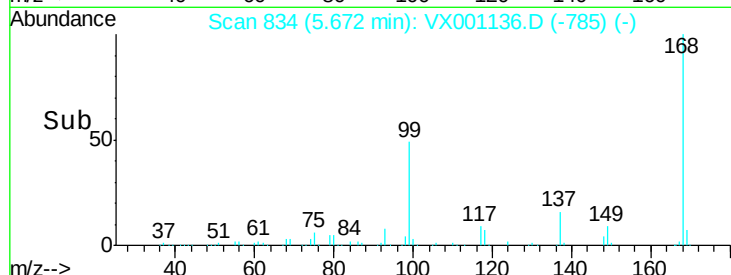
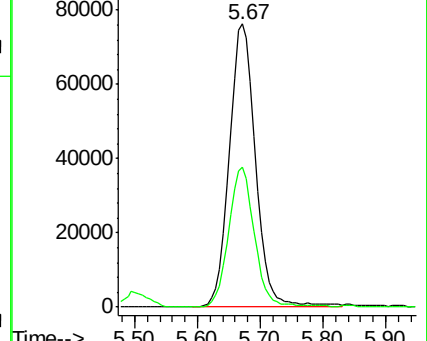
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 4.51 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001136.D

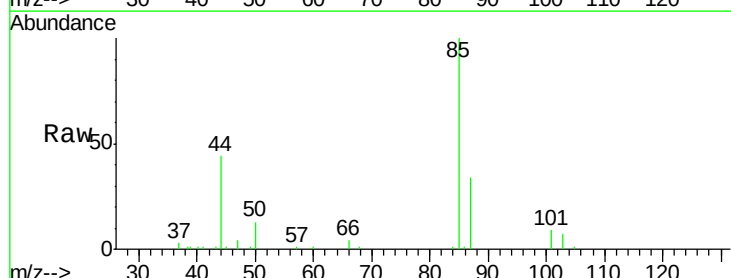
Acq: 26 Apr 2018 17:29

Tgt Ion: 85 Resp: 11777

Ion Ratio Lower Upper

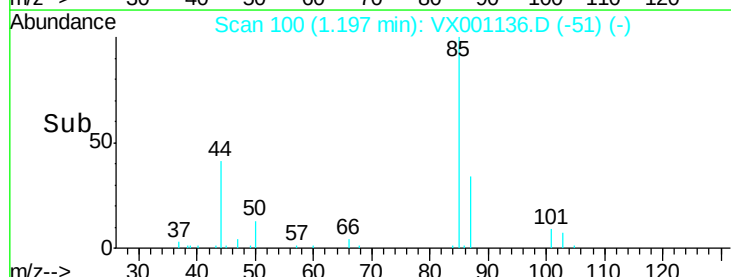
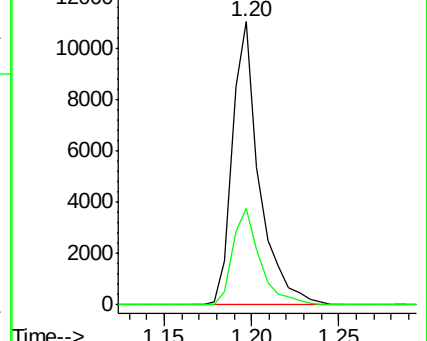
85 100

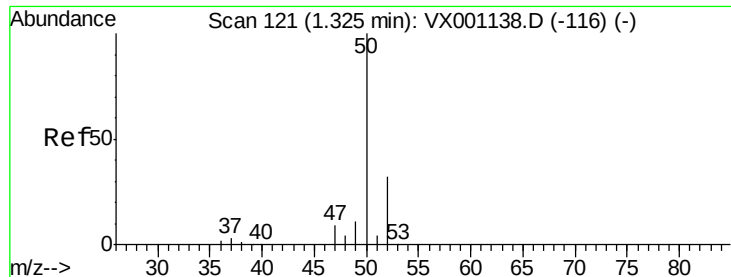
87 34.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 4.79 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11968

Ion Ratio Lower Upper

50 100

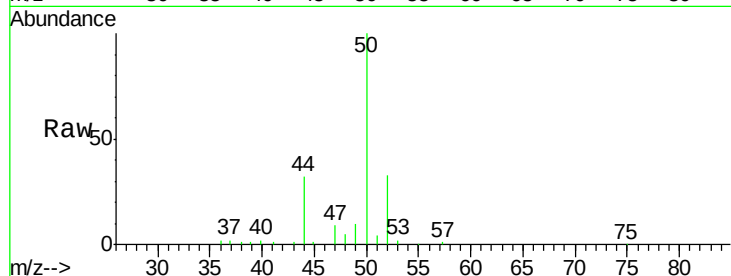
52 33.4 25.9 38.9

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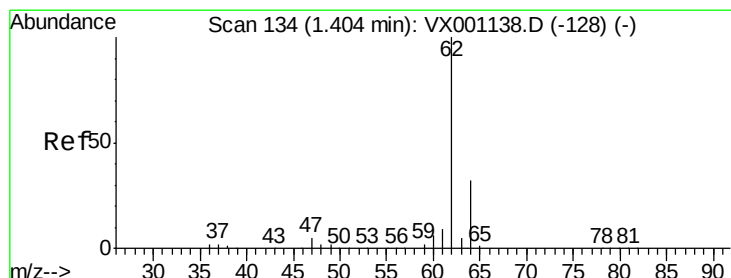
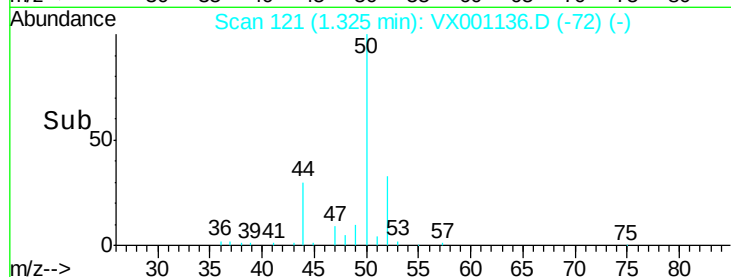
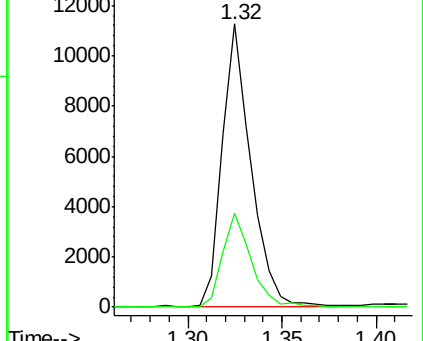
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.87 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001136.D

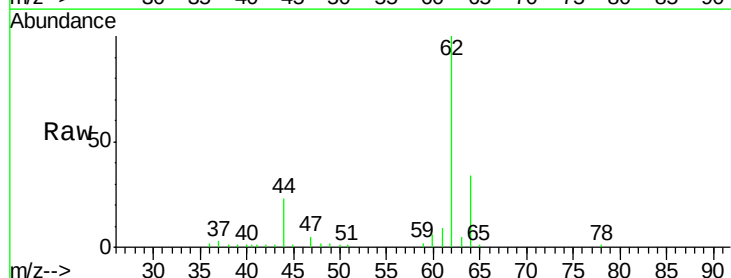
Acq: 26 Apr 2018 17:29

Tgt Ion: 62 Resp: 12750

Ion Ratio Lower Upper

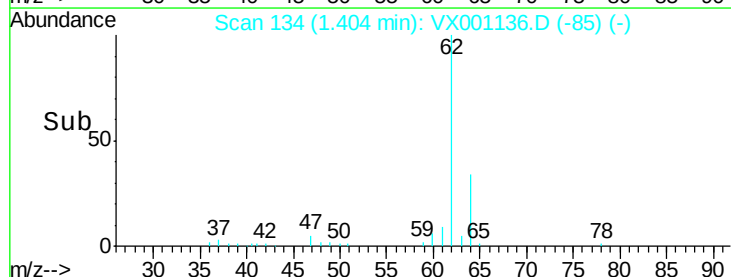
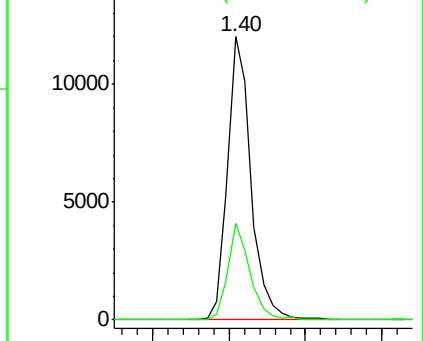
62 100

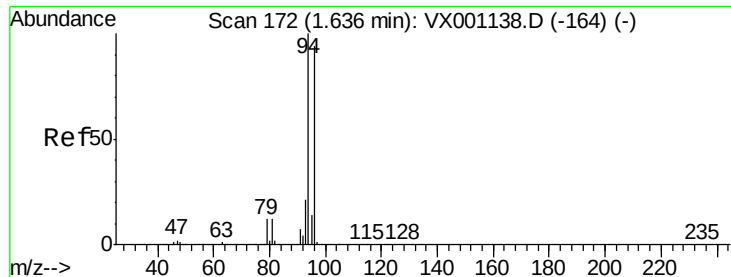
64 34.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 5.31 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 8630

Ion Ratio Lower Upper

94 100

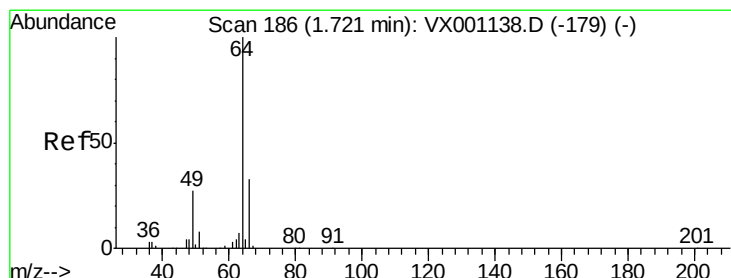
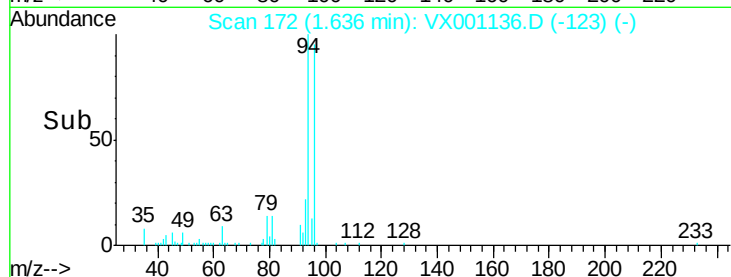
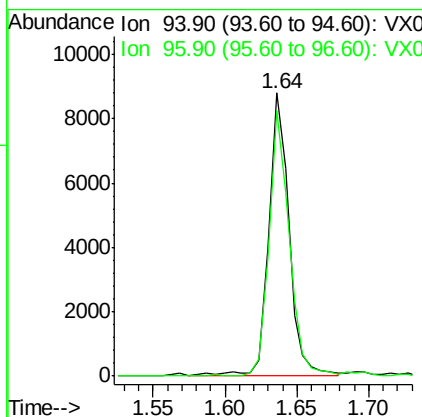
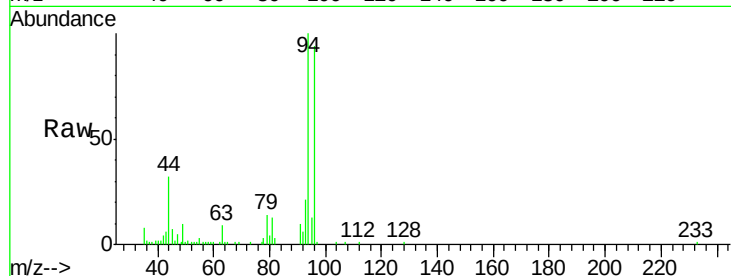
96 93.7 75.3 112.9

Manual Integrations

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#6

Chloroethane

Concen: 5.15 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX001136.D

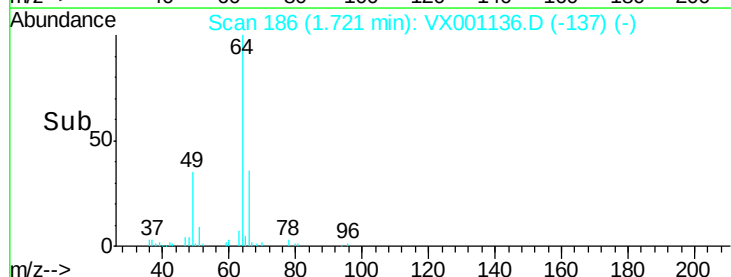
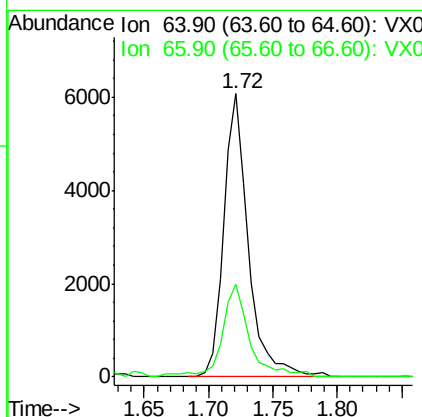
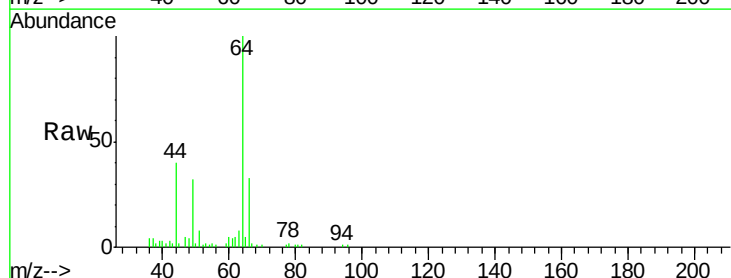
Acq: 26 Apr 2018 17:29

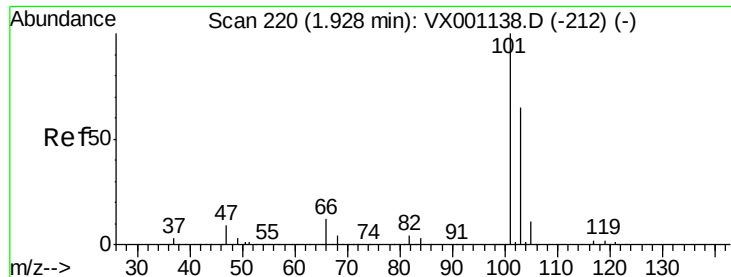
Tgt Ion: 64 Resp: 8156

Ion Ratio Lower Upper

64 100

66 32.9 26.1 39.1





#7

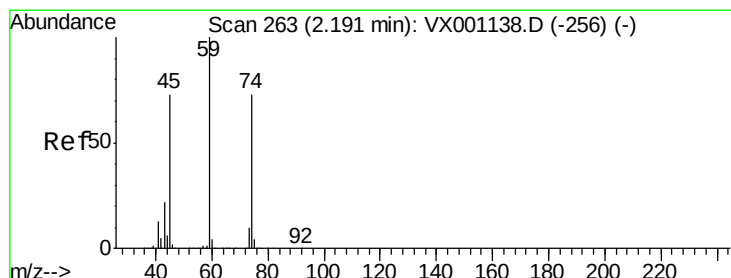
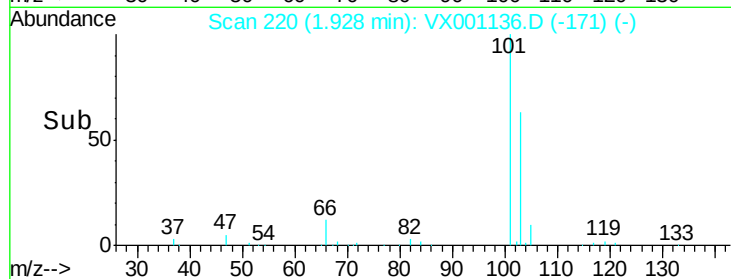
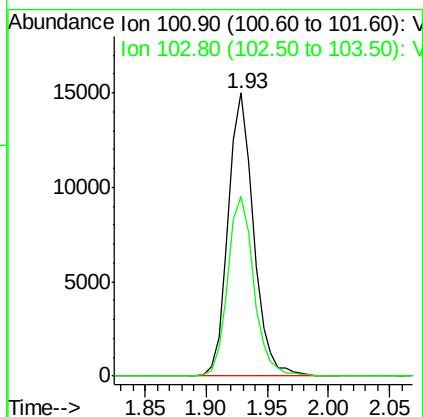
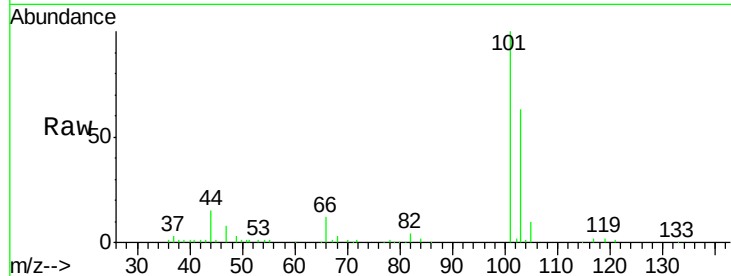
Trichlorofluoromethane
Concen: 5.42 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.9	77.9

Manual Integrations
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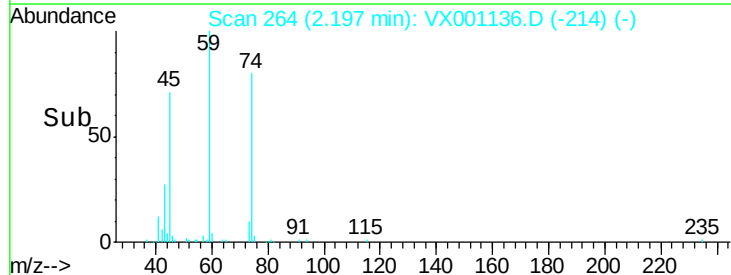
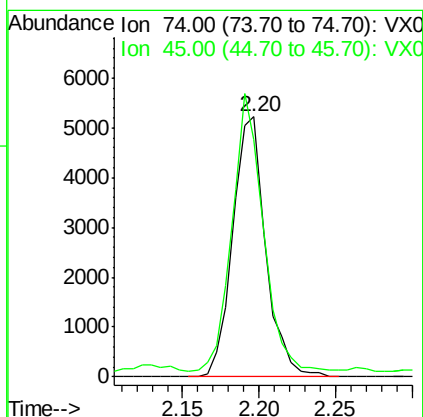
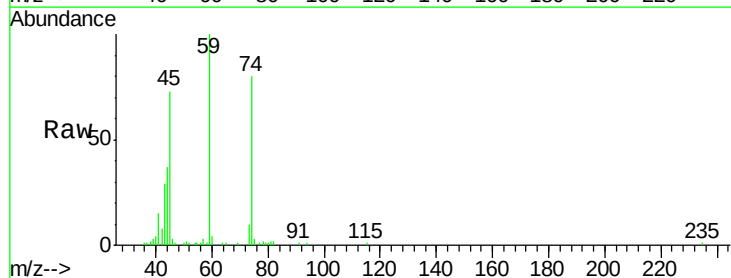
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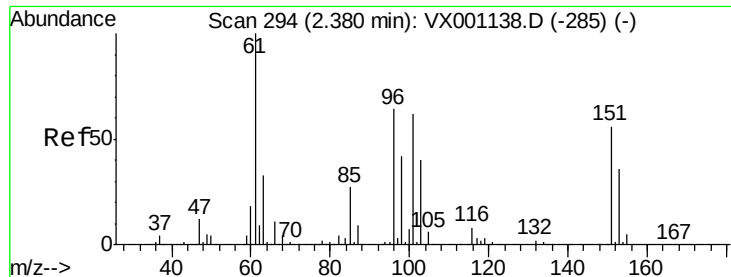


#8

Diethyl Ether
Concen: 5.22 ug/l
RT: 2.20 min Scan# 264
Delta R.T. 0.01 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.25 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

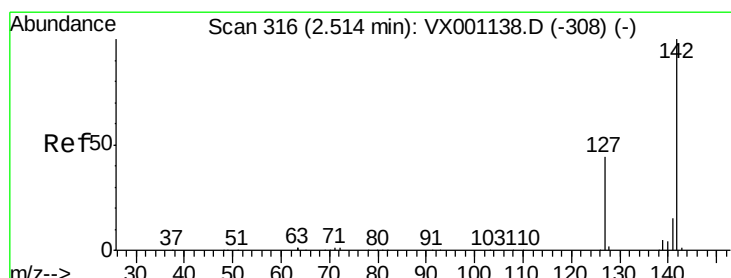
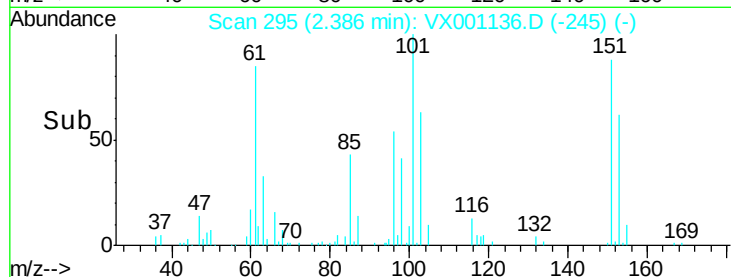
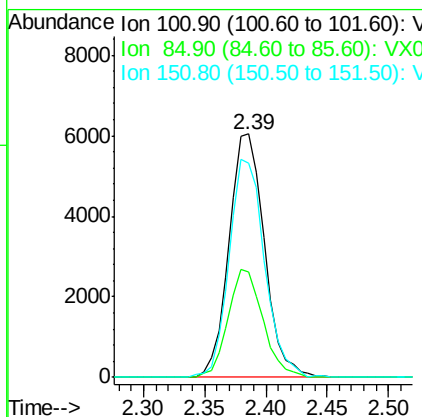
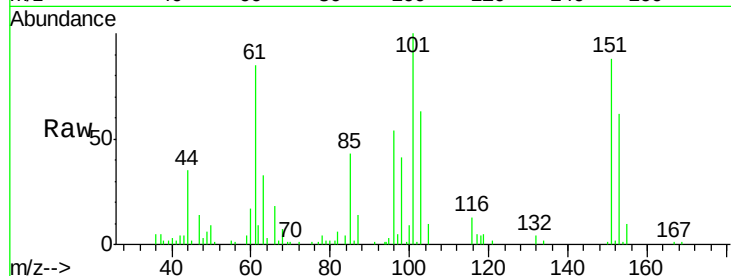
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12143
Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.4	53.0
151	89.5	74.2	111.4

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:25 PM



#10

Methyl Iodide

Concen: 3.51 ug/l

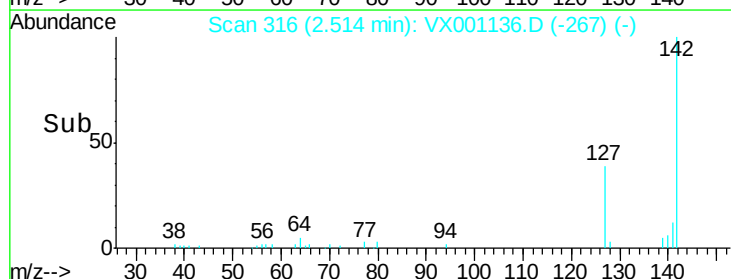
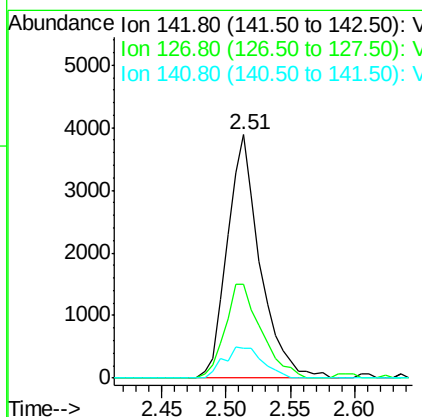
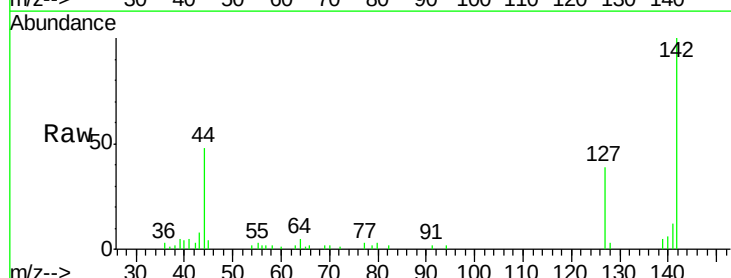
RT: 2.51 min Scan# 316

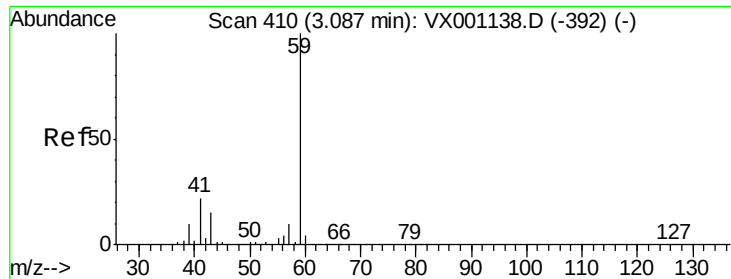
Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion:	142	Resp:	6893
Ion	Ratio	Lower	Upper
142	100		
127	42.6	34.7	52.1
141	15.2	11.6	17.4





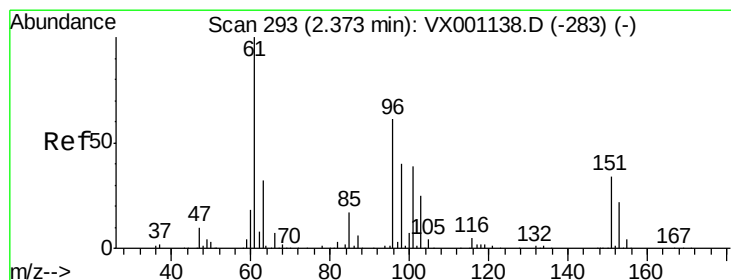
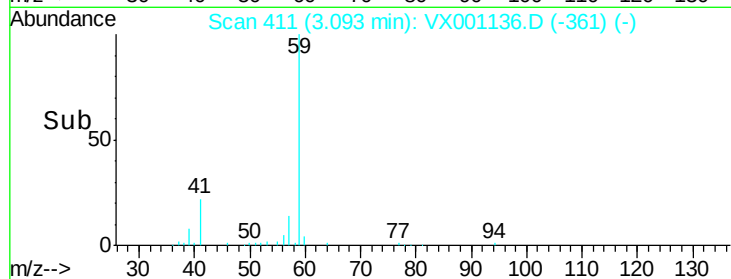
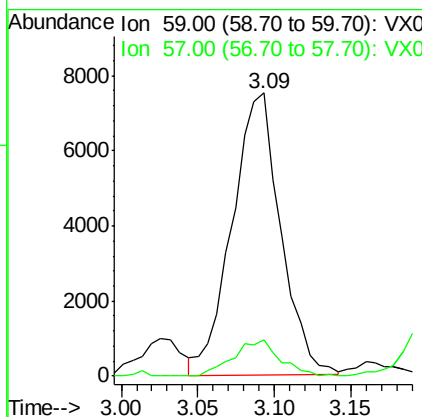
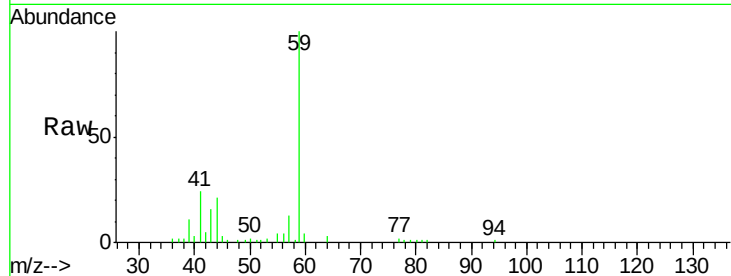
#11
Tert butyl alcohol
Concen: 34.42 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.01 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	16539
Ion Ratio	59	100	
Lower	57	12.3	8.2
Upper			12.4

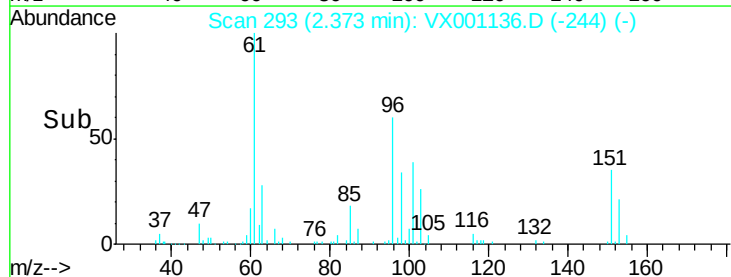
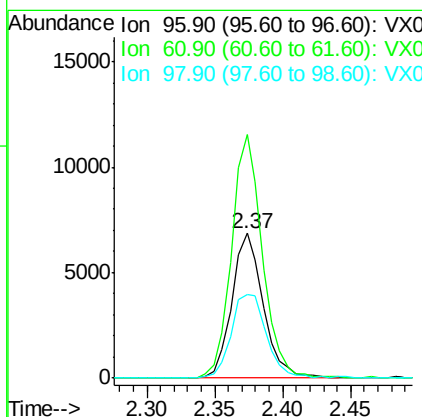
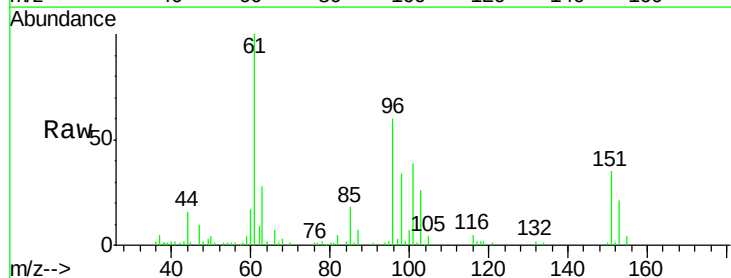
Manual Integrations
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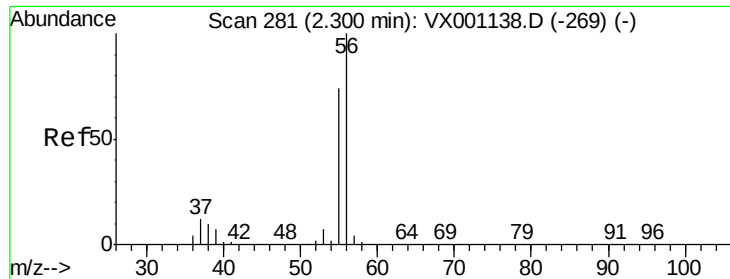
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.08 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion	96	Resp	10971
Ion Ratio	96	100	
Lower	61	167.9	130.2
Upper	98	57.6	51.5





#13

Acrolein

Concen: 45.15 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7320

Ion Ratio Lower Upper

56 100

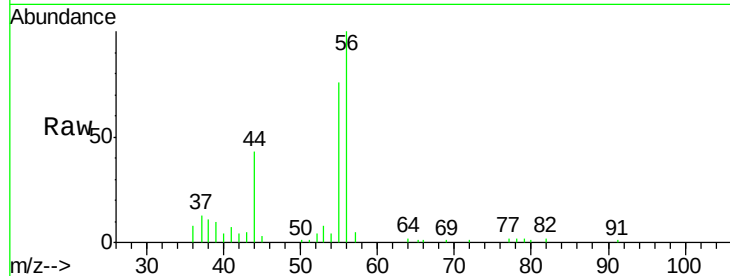
55 70.6 57.2 85.8

Manual Integrations

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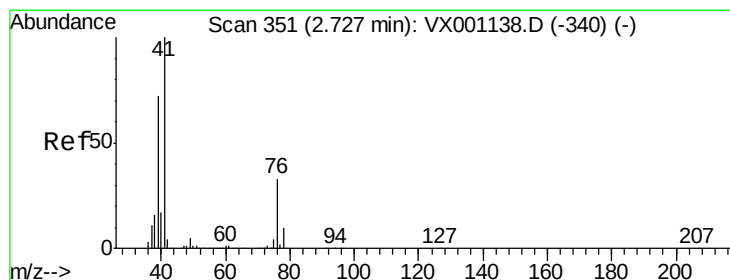
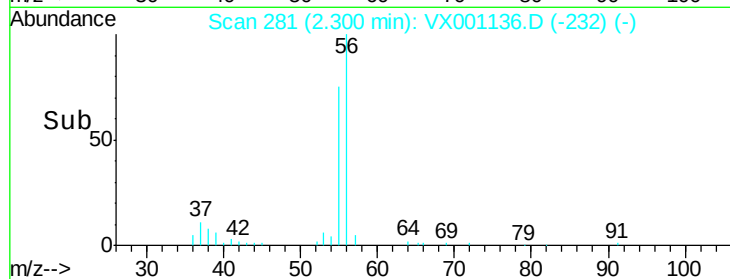
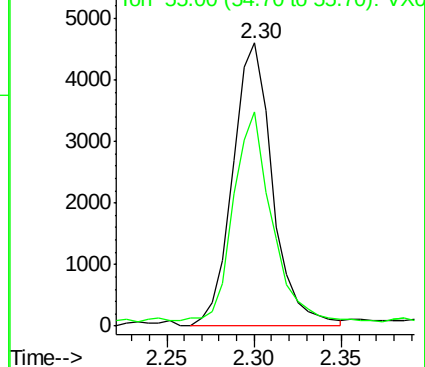
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 4.88 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

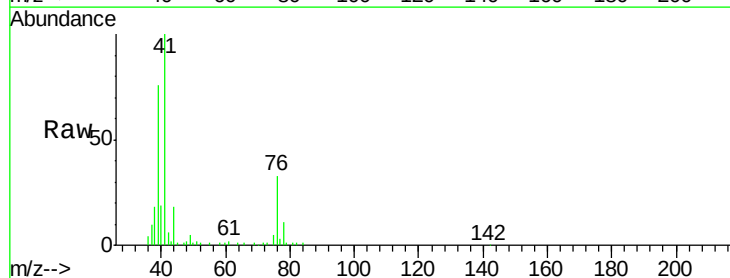
Tgt Ion: 41 Resp: 19285

Ion Ratio Lower Upper

41 100

39 73.8 55.6 83.4

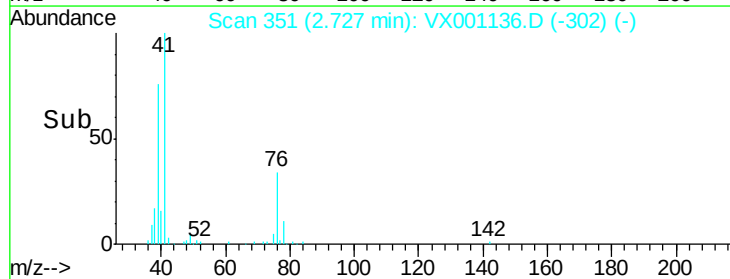
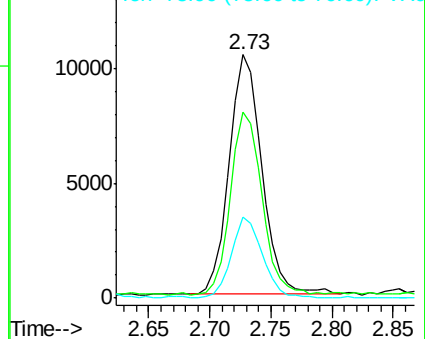
76 32.1 24.8 37.2

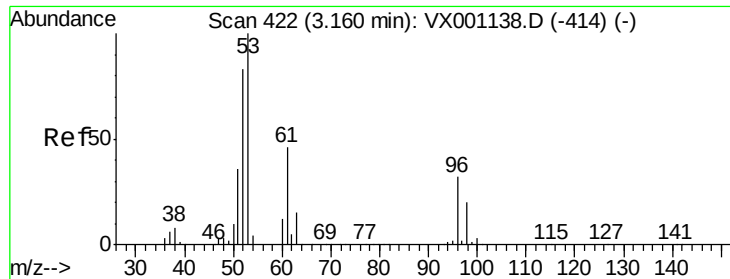


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 28.90 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

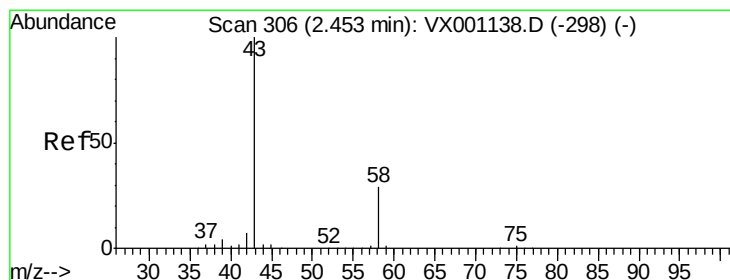
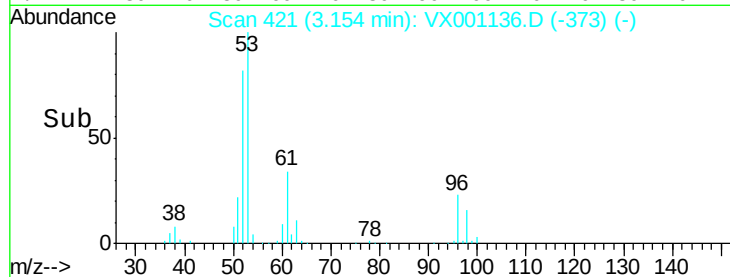
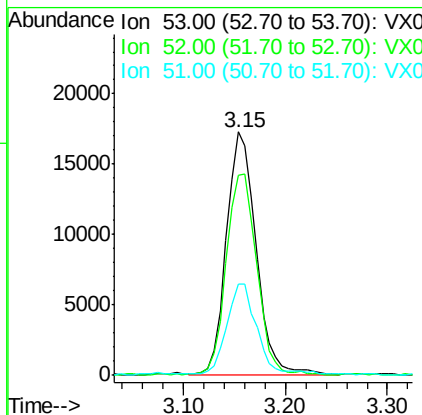
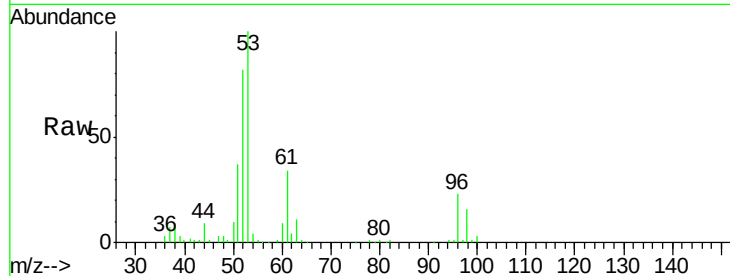
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	34603
Ion Ratio	Lower	Upper	
53	100		
52	86.3	66.5	99.7
51	37.8	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 32.37 ug/l

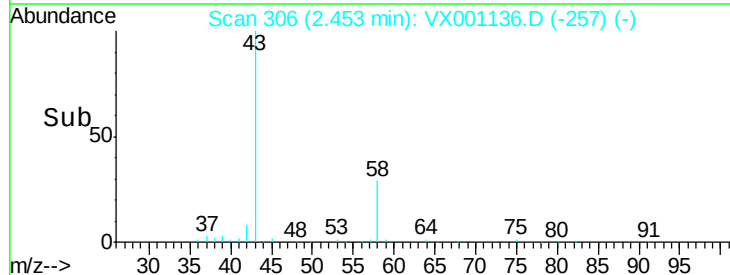
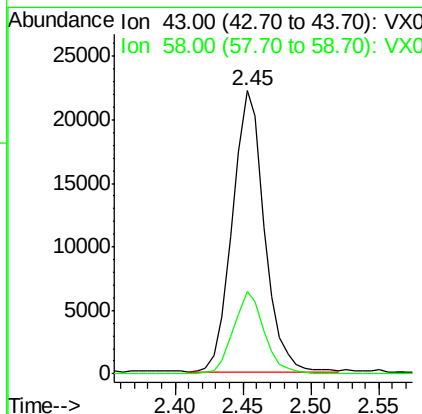
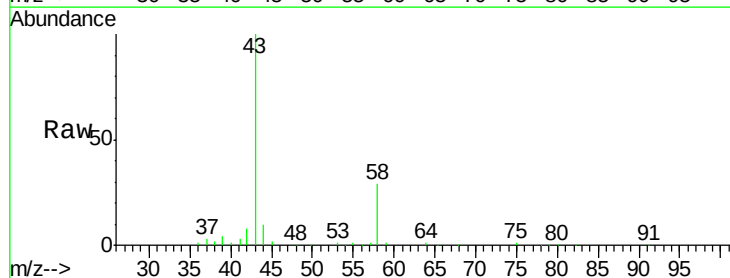
RT: 2.45 min Scan# 306

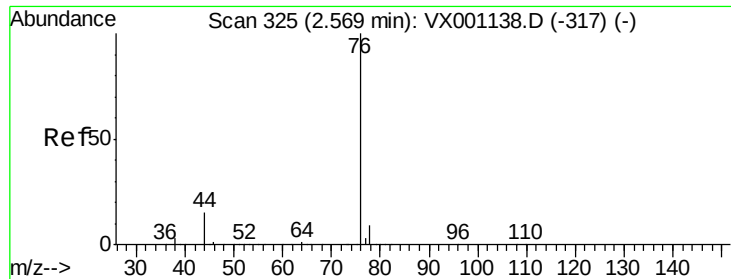
Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion:	43	Resp:	36084
Ion Ratio	Lower	Upper	
43	100		
58	29.2	23.0	34.6





#17

Carbon Disulfide

Concen: 4.33 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 26276

Ion Ratio Lower Upper

76 100

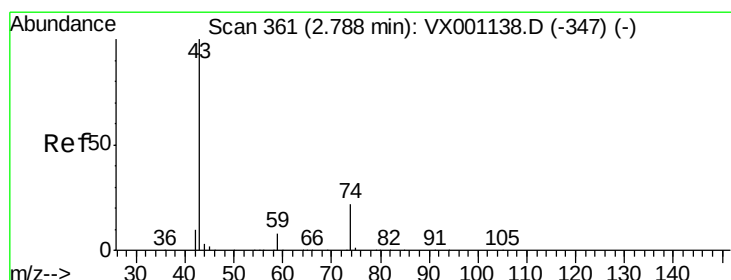
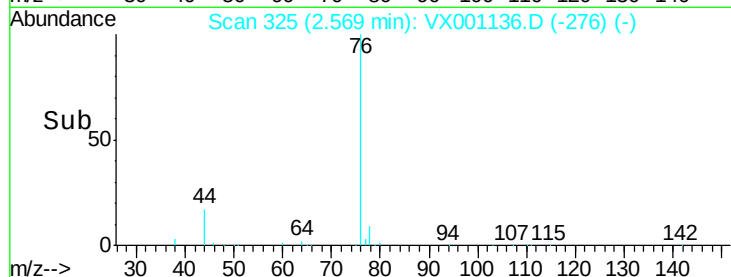
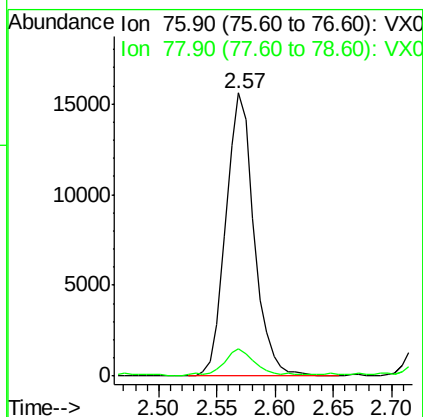
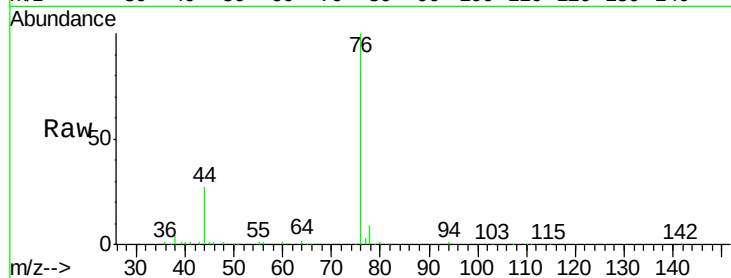
78 9.0 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 5.19 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.00 min

Lab File: VX001136.D

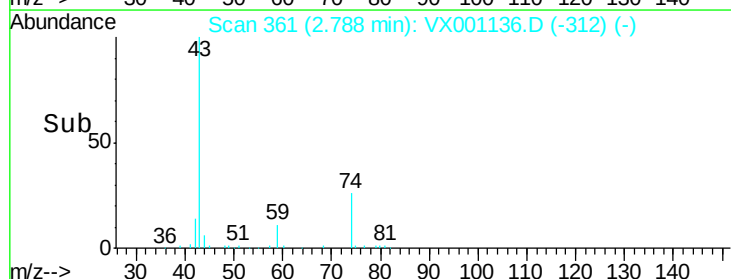
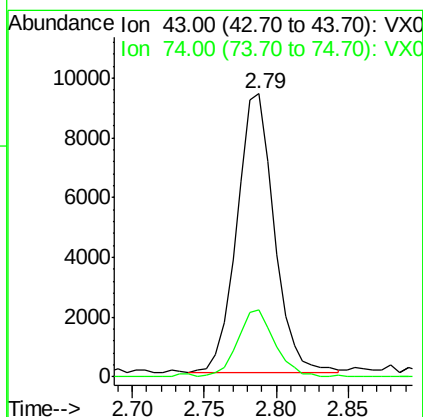
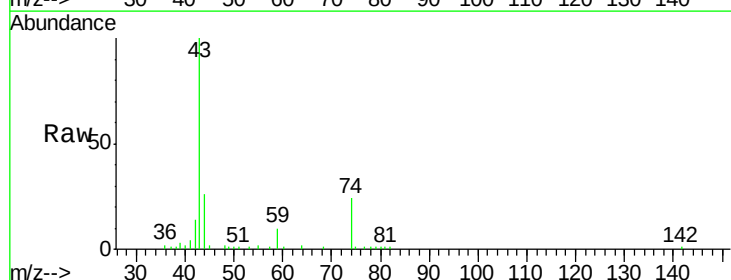
Acq: 26 Apr 2018 17:29

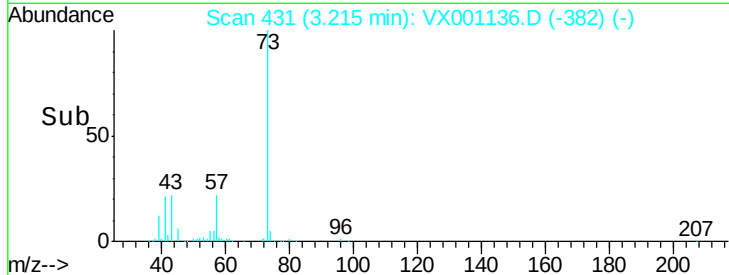
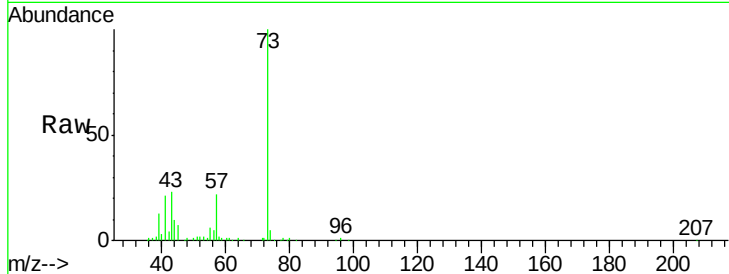
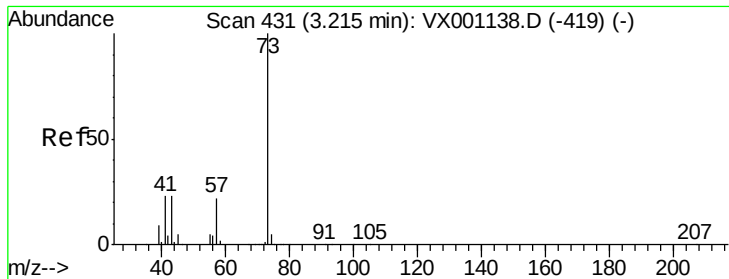
Tgt Ion: 43 Resp: 16766

Ion Ratio Lower Upper

43 100

74 23.9 18.1 27.1





#19

Methyl tert-butyl Ether

Concen: 5.38 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tot Ion: 73 Resp: 39923

Ion Ratio Lower Upper

73 100

57 21.9 17.7 26.5

Instrument :

MSVOA_X

ClientSampleId :

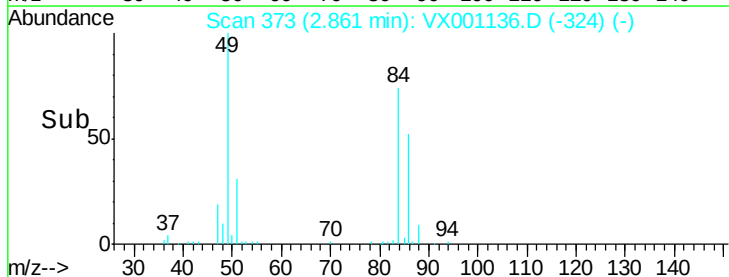
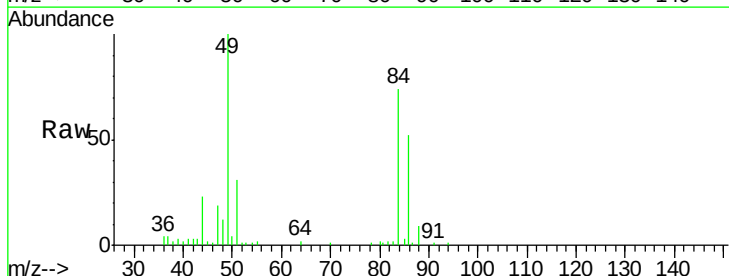
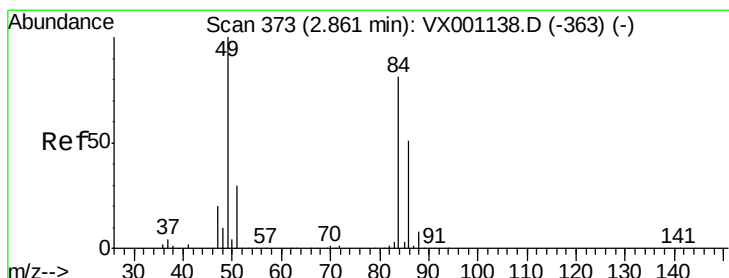
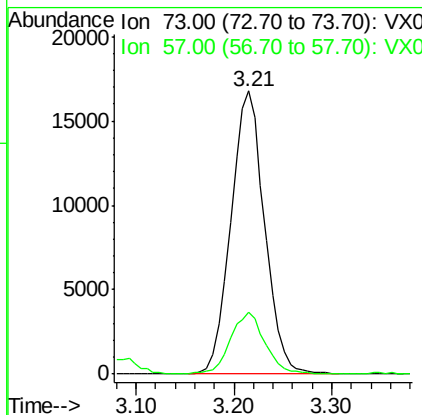
VSTDIC005

Manual Integrations

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#20

Methylene Chloride

Concen: 5.18 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion: 84 Resp: 12924

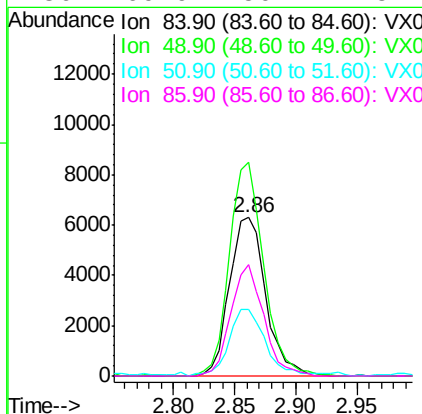
Ion Ratio Lower Upper

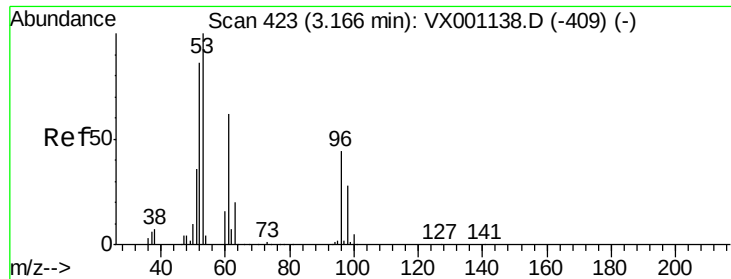
84 100

49 134.7 99.2 148.8

51 41.9 29.5 44.3

86 69.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 5.05 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

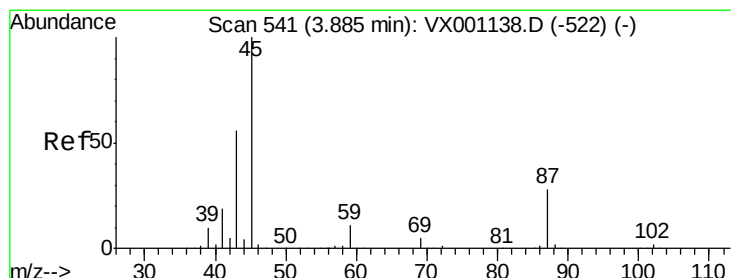
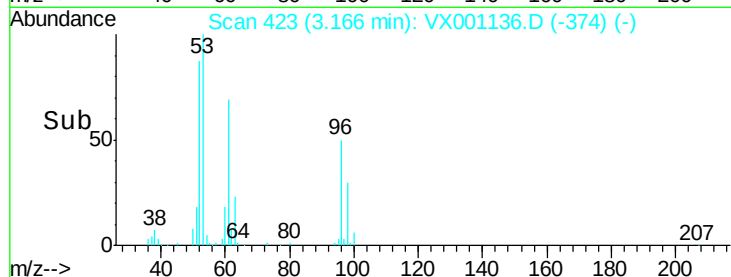
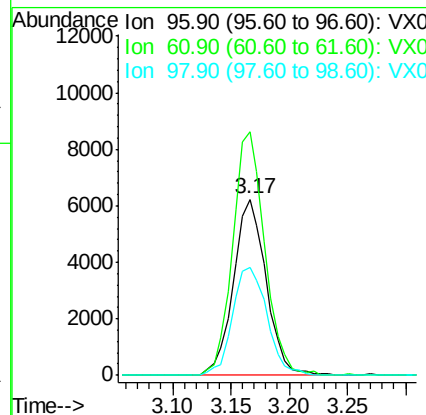
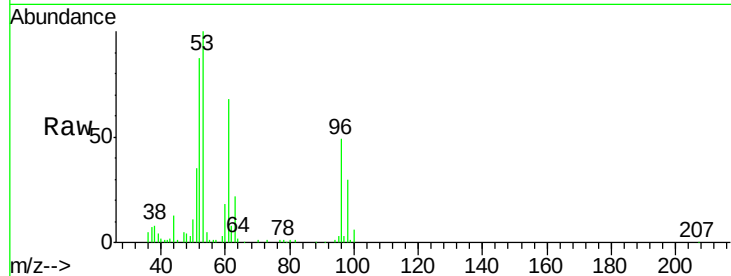
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	12203
Ion	Ratio	Lower	Upper
96	100		
61	138.1	111.9	167.9
98	61.1	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.10 ug/l

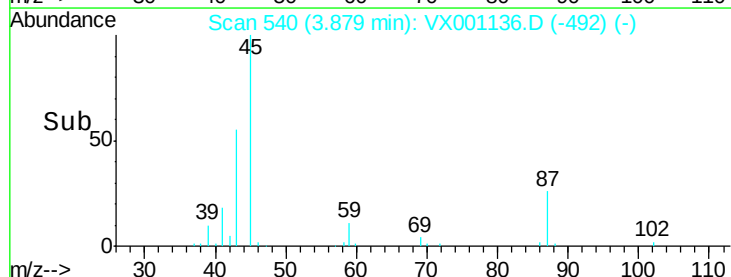
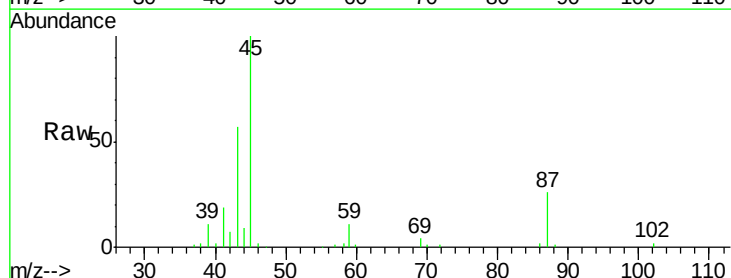
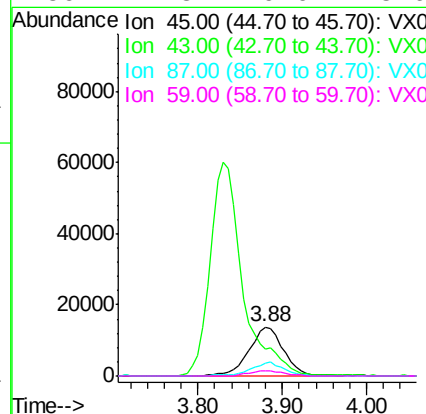
RT: 3.88 min Scan# 540

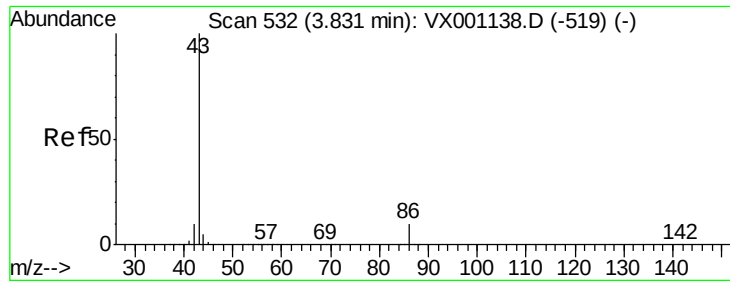
Delta R.T. -0.01 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion:	45	Resp:	38999
Ion	Ratio	Lower	Upper
45	100		
43	54.3	45.0	67.4
87	26.1	22.8	34.2
59	11.3	9.0	13.6





#23

Vinyl Acetate

Concen: 24.93 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 159936

Ion Ratio Lower Upper

43 100

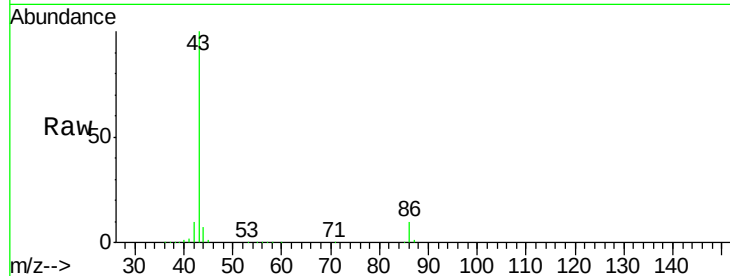
86 10.0 8.0 12.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

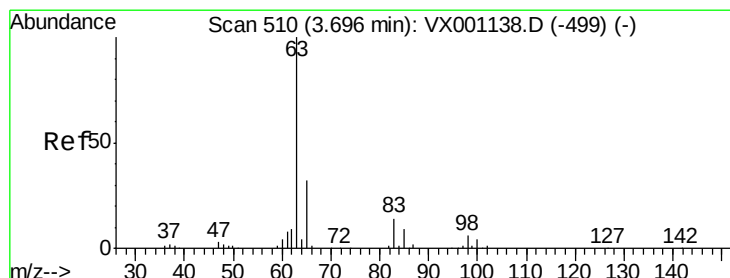
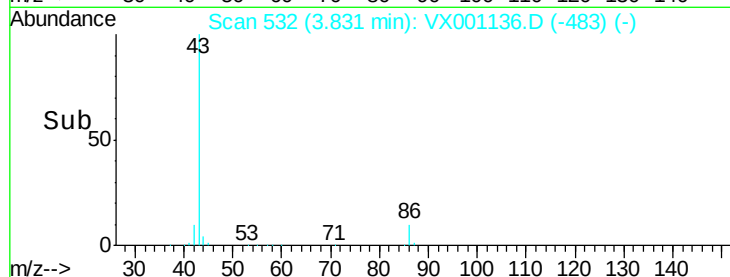
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 4.89 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

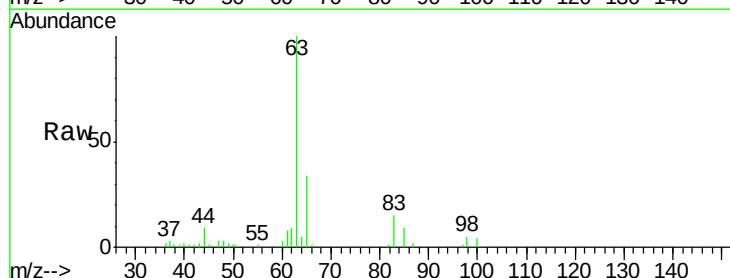
Tgt Ion: 63 Resp: 20770

Ion Ratio Lower Upper

63 100

98 5.5 3.1 9.4

100 4.4 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

12000

10000

8000

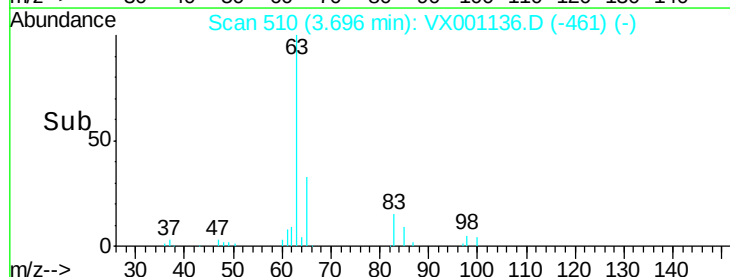
6000

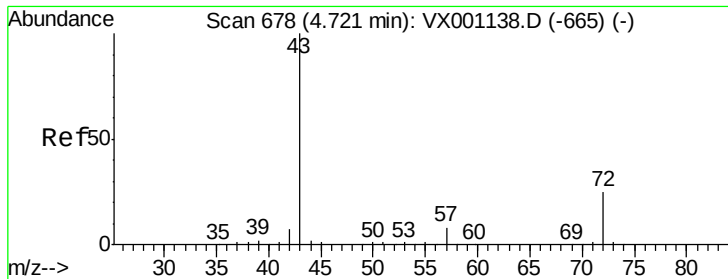
4000

2000

0

Time-->





#25

2-Butanone

Concen: 29.12 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 50411

Ion Ratio Lower Upper

43 100

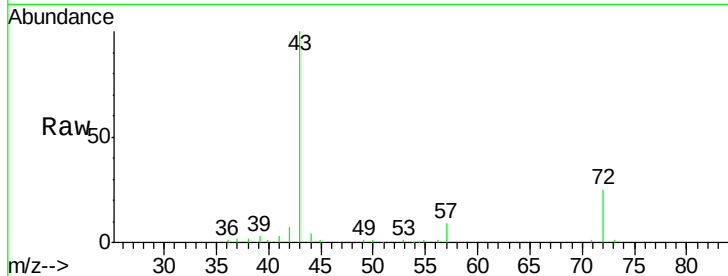
72 24.9 20.0 30.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

20000

15000

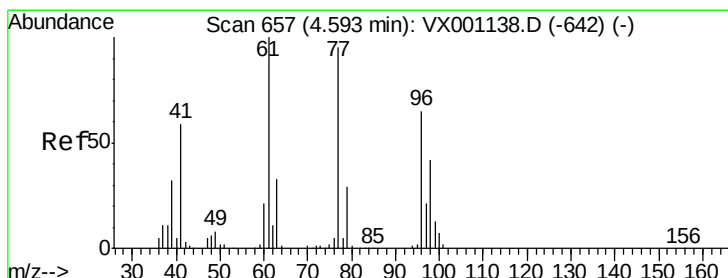
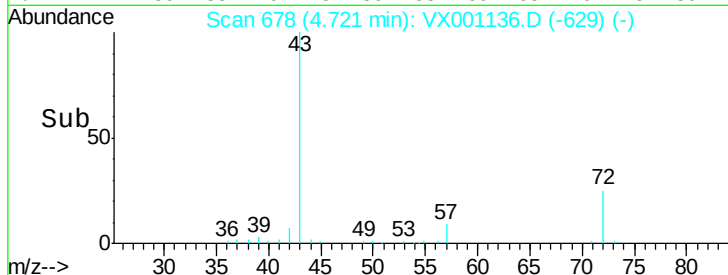
10000

5000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 4.43 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001136.D

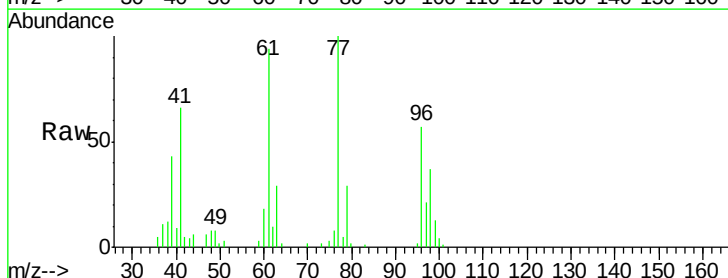
Acq: 26 Apr 2018 17:29

Tgt Ion: 77 Resp: 15924

Ion Ratio Lower Upper

77 100

97 23.7 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

6000

5000

4000

3000

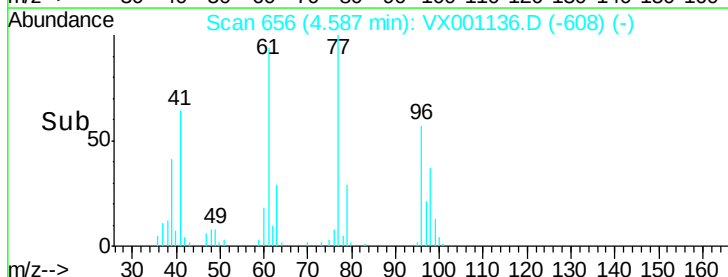
2000

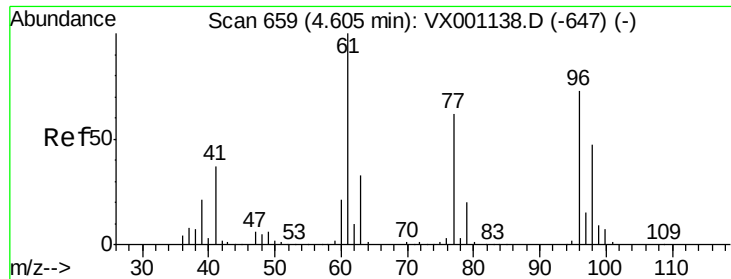
1000

0

4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 4.96 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001136.D

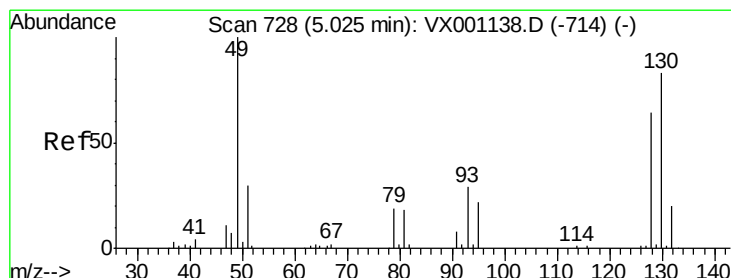
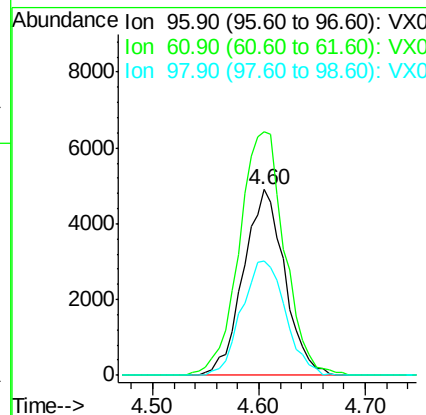
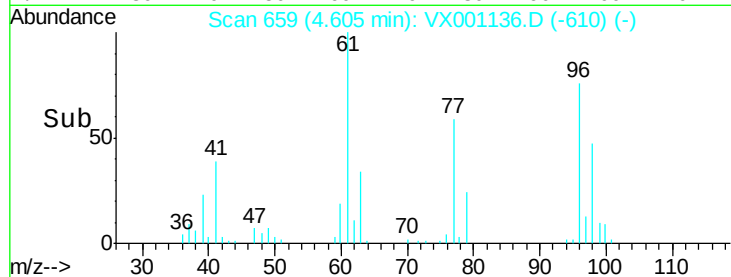
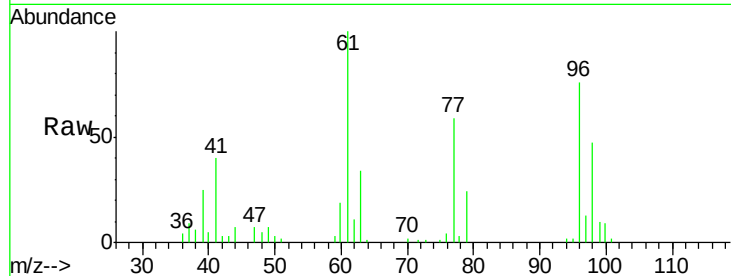
Acq: 26 Apr 2018 17:29

Tot Ion:	96	Resp:	13315
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	289.0
98	65.5	0.0	128.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

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#28

Bromochloromethane

Concen: 5.41 ug/l

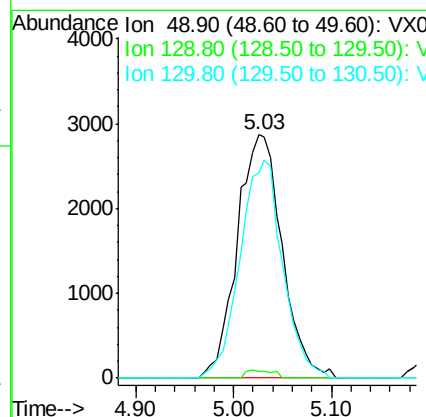
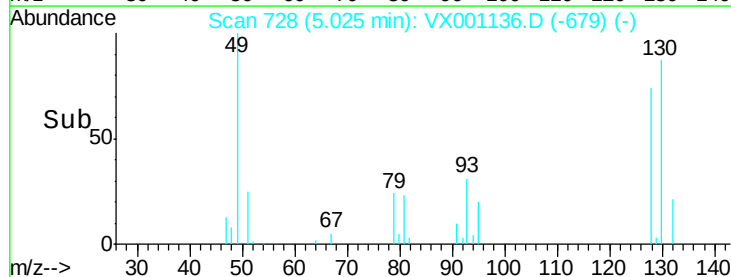
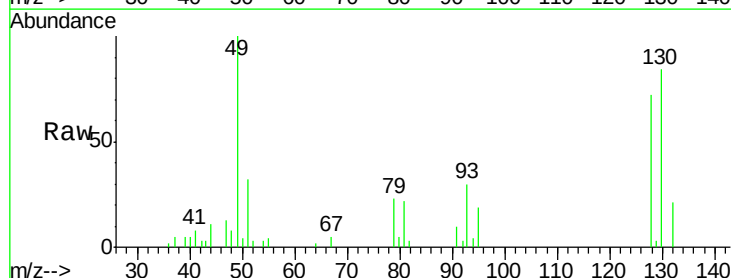
RT: 5.03 min Scan# 728

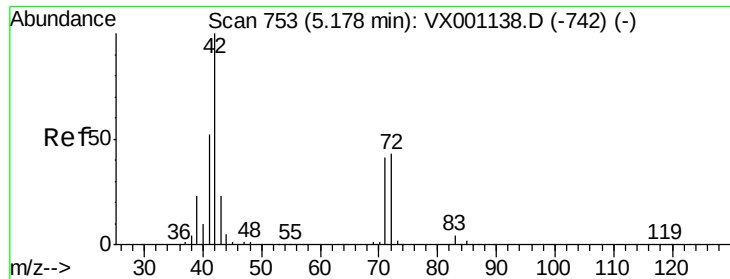
Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion:	49	Resp:	9155
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	84.8	68.2	102.2





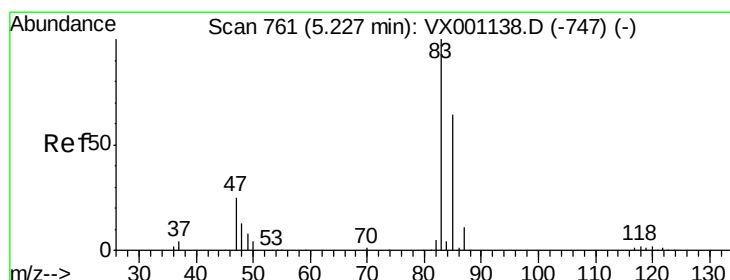
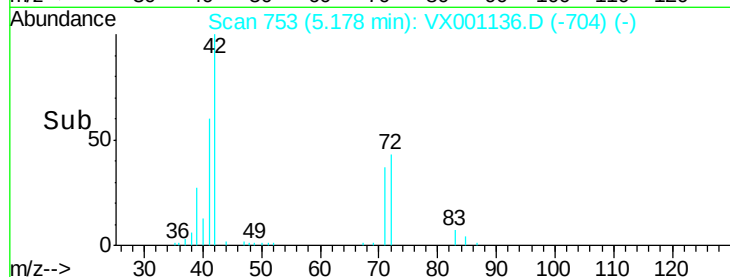
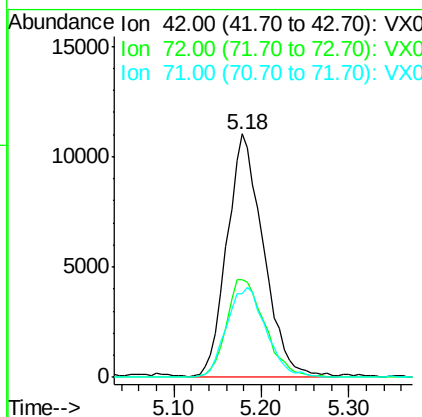
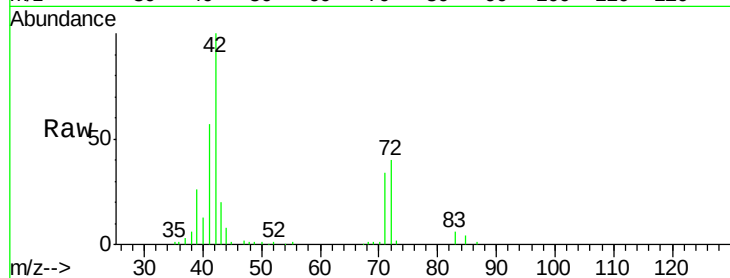
#29
Tetrahydrofuran
Concen: 29.29 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.4	51.6
71	39.7	32.1	48.1

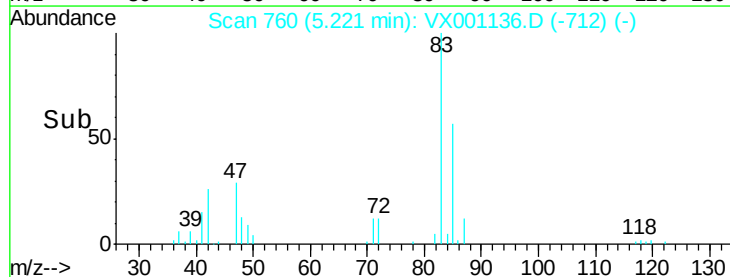
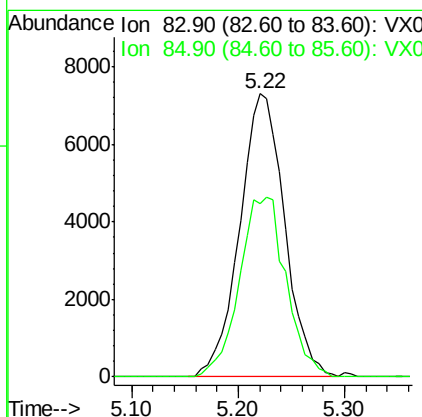
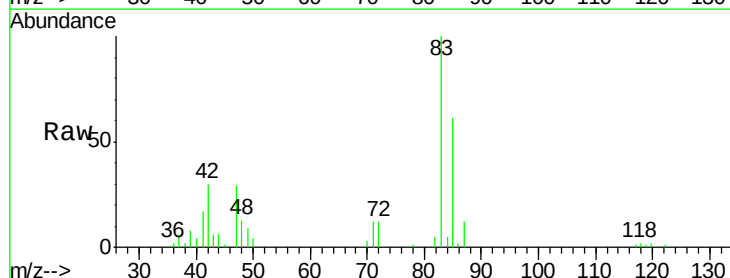
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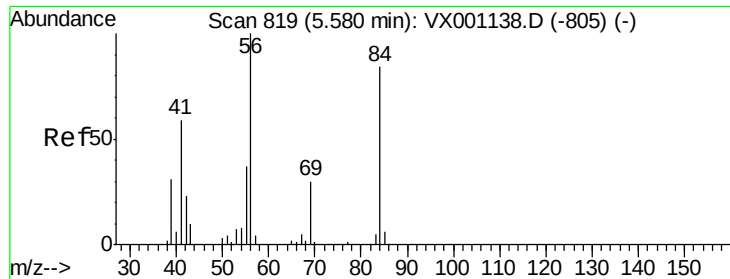
MMDadoda
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#30
Chloroform
Concen: 4.88 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.4	77.0





#31

Cyclohexane

Concen: 4.57 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

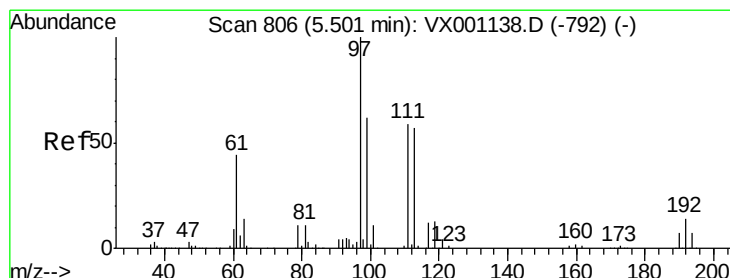
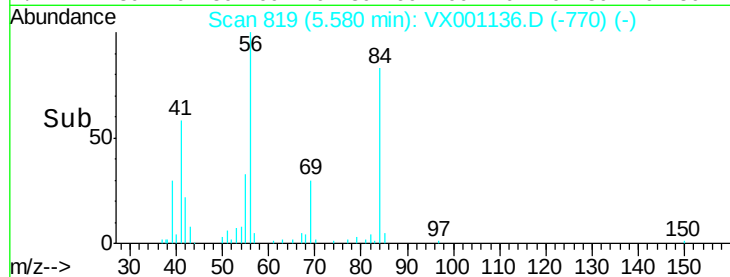
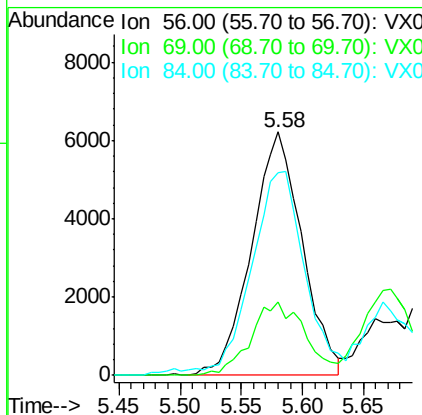
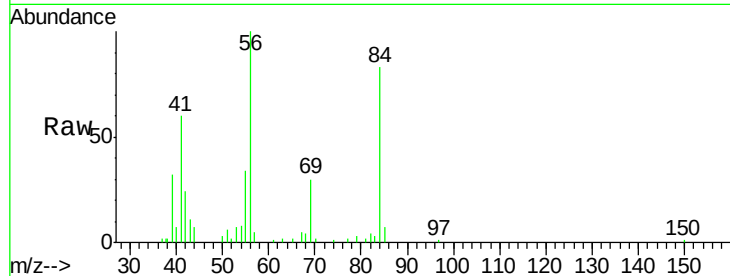
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	17851
Ion Ratio	Lower	Upper	
56	100		
69	30.0	24.2	36.2
84	80.8	67.5	101.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.64 ug/l

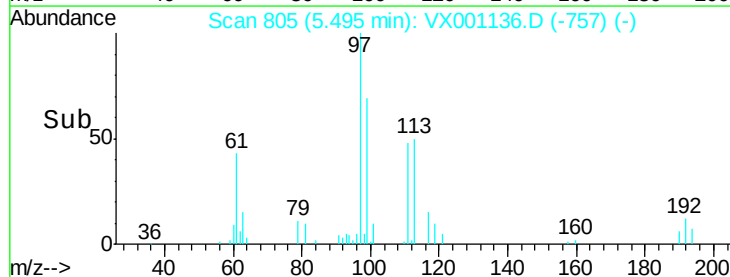
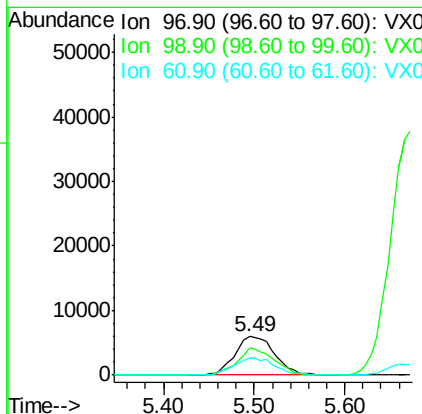
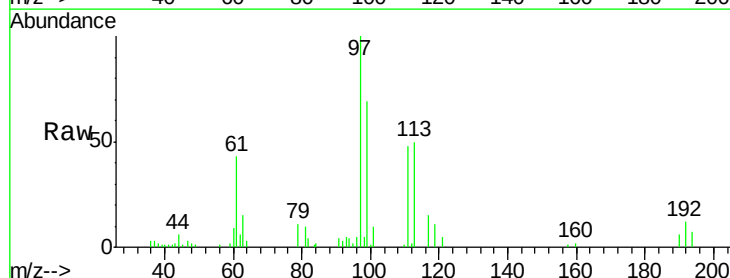
RT: 5.49 min Scan# 805

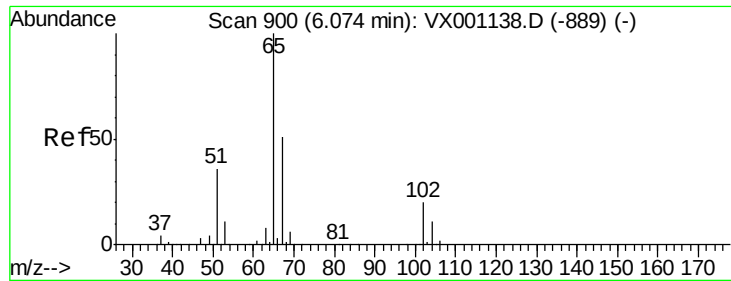
Delta R.T. -0.01 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion:	97	Resp:	18271
Ion Ratio	Lower	Upper	
97	100		
99	65.2	50.9	76.3
61	45.5	35.0	52.6





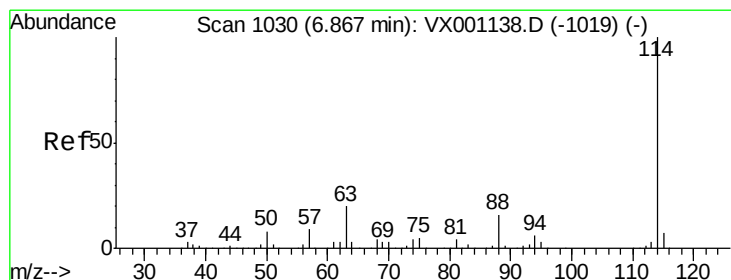
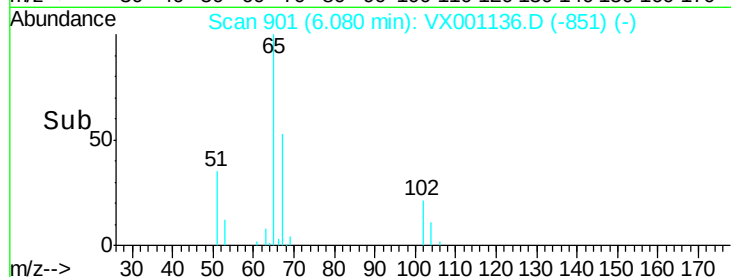
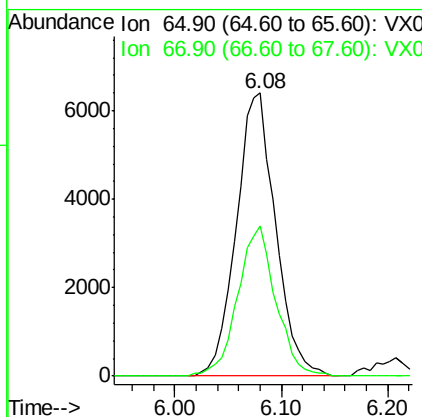
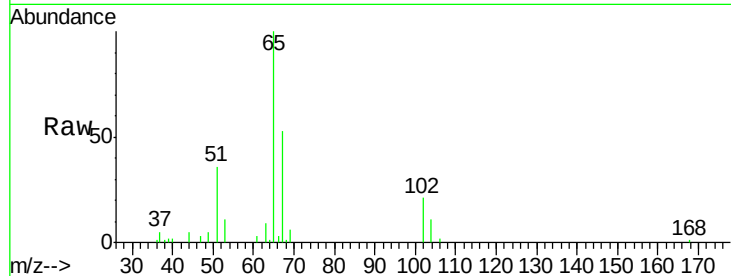
#33
 1,2-Dichloroethane-d4
 Concen: 5.73 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.2

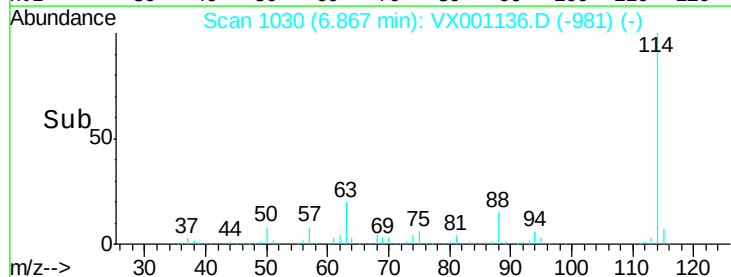
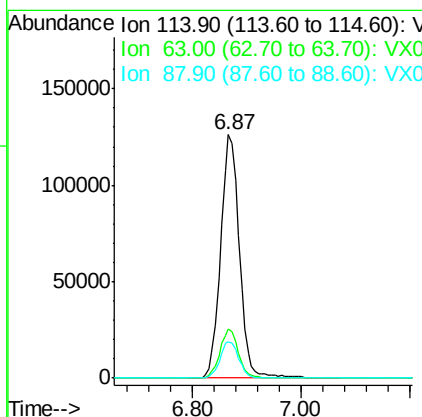
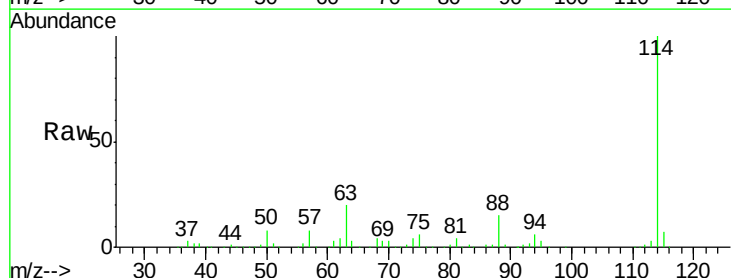
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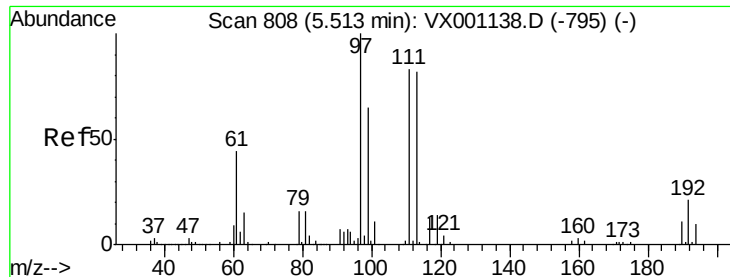
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.4
88	14.9	0.0	31.8





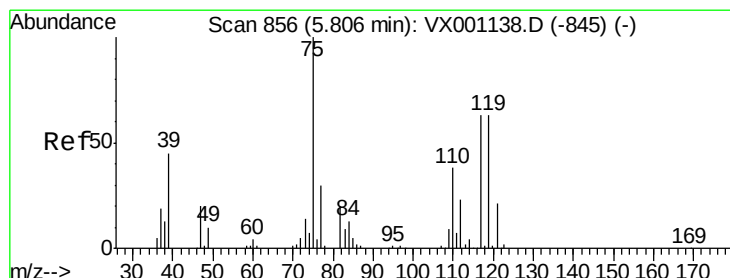
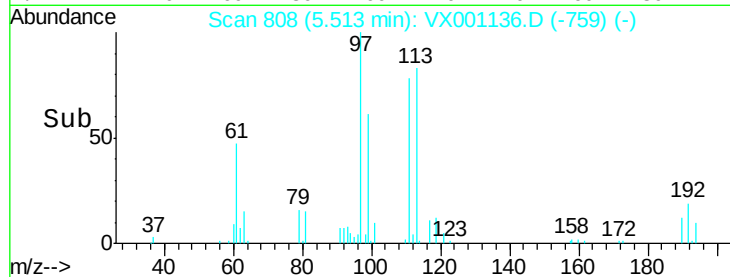
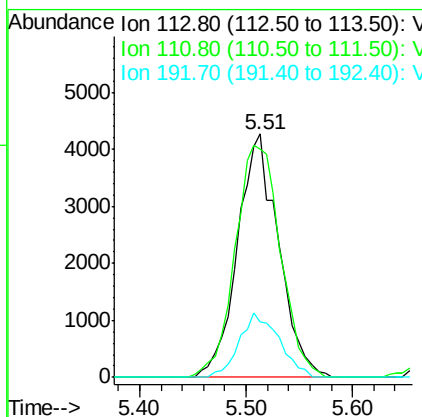
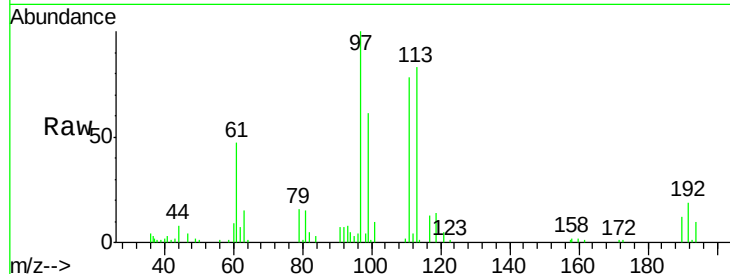
#35
 Dibromofluoromethane
 Concen: 4.92 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	11515		
111	105.5	82.2	123.4	
192	25.6	20.6	30.8	

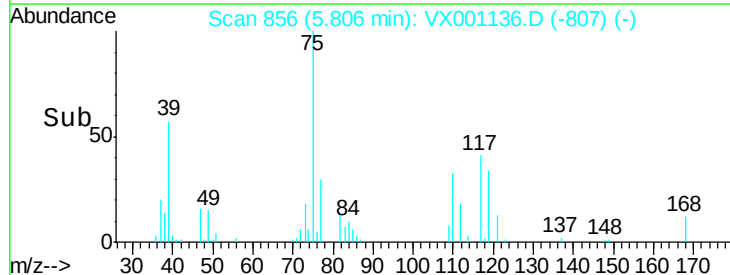
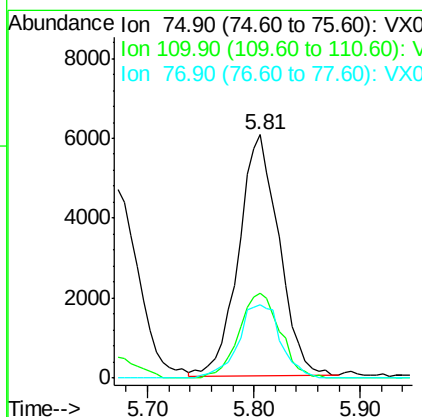
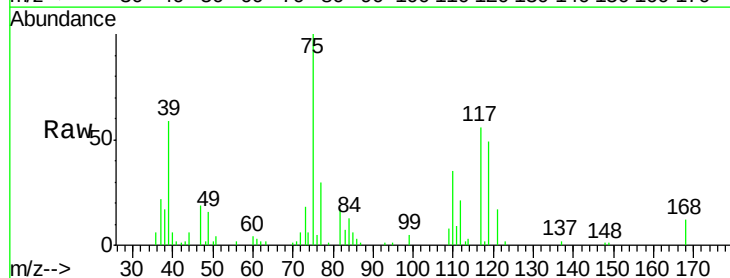
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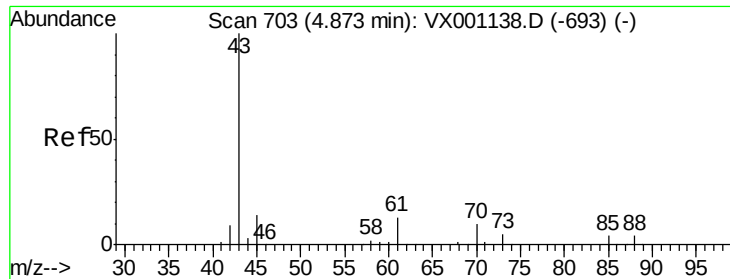
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#36
 1,1-Dichloropropene
 Concen: 4.59 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16123		
110	35.9	19.0	57.0	
77	32.0	24.8	37.2	





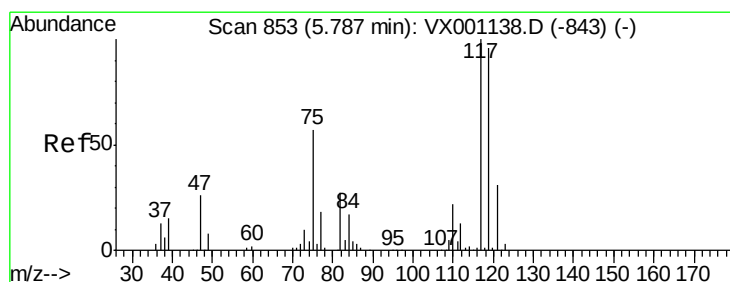
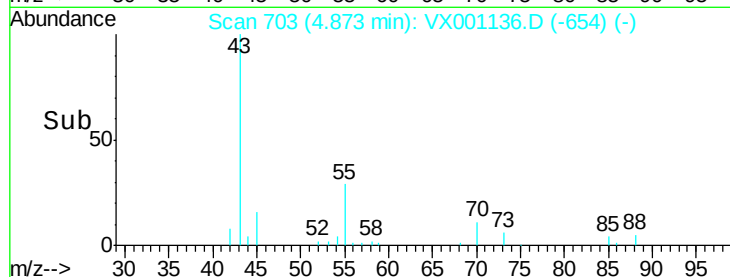
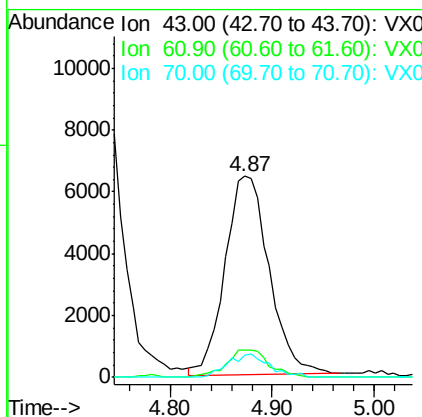
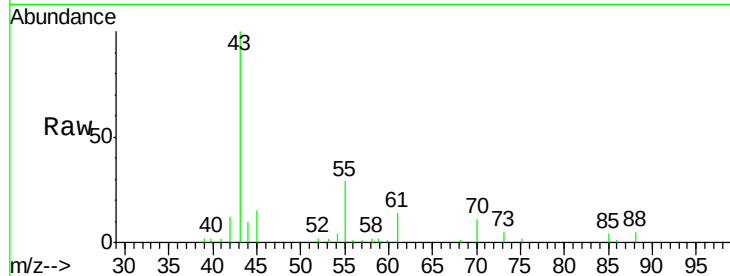
#37
Ethyl Acetate
Concen: 5.70 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	19253
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.6
70	11.0	8.2	12.2

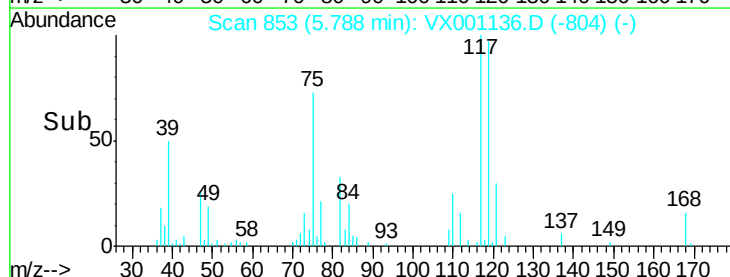
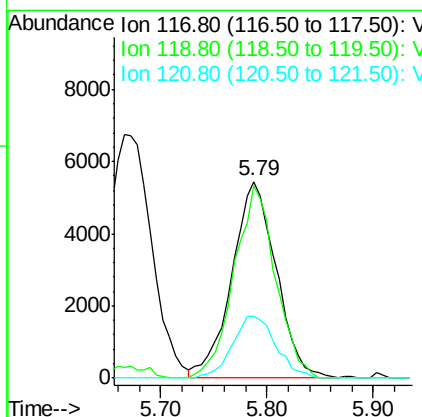
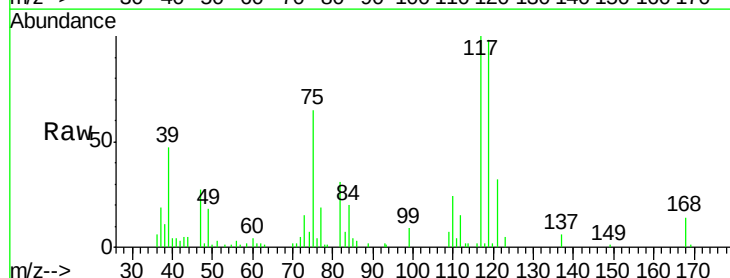
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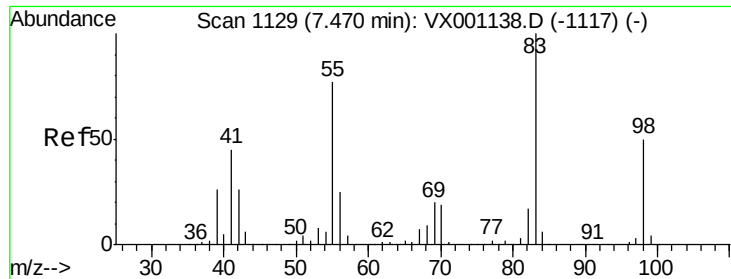
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.47 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion:	117	Resp:	15925
Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.5	114.7
121	31.8	24.6	37.0





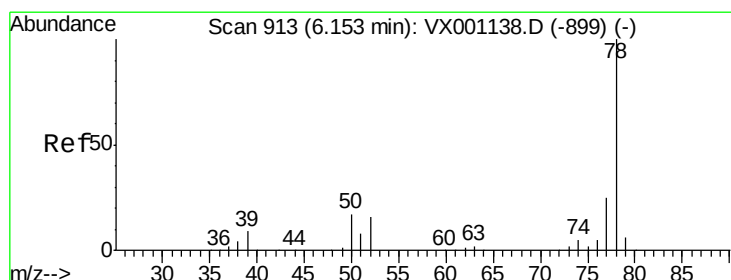
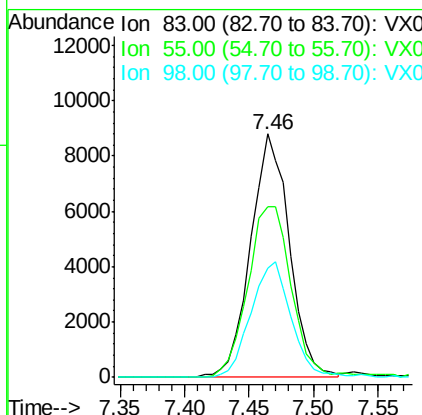
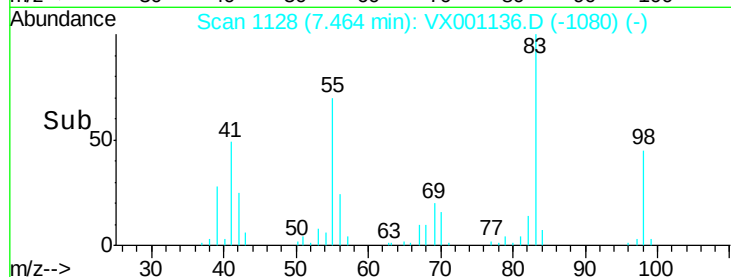
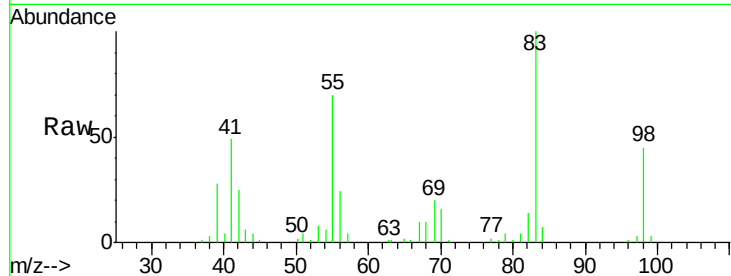
#39
Methylvlcyclohexane
Concen: 4.52 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	61.8	92.6
98	45.1	40.0	60.0

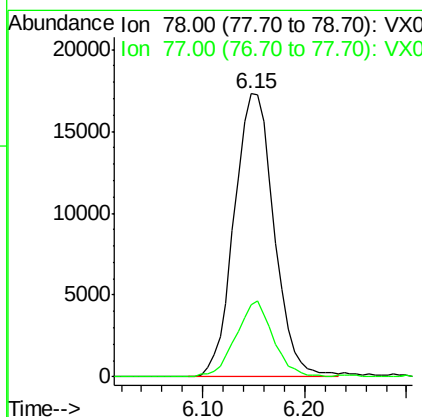
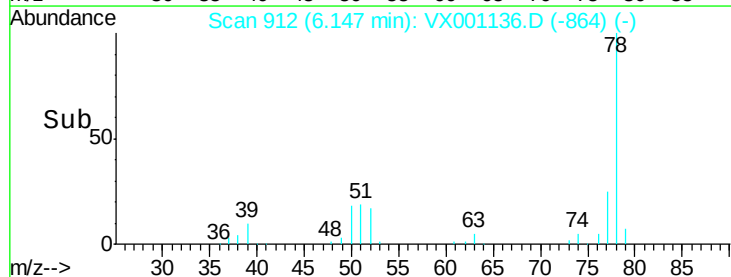
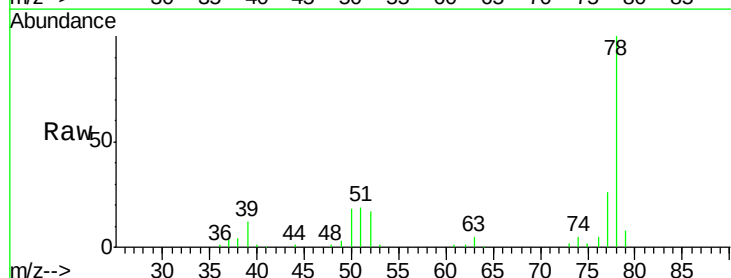
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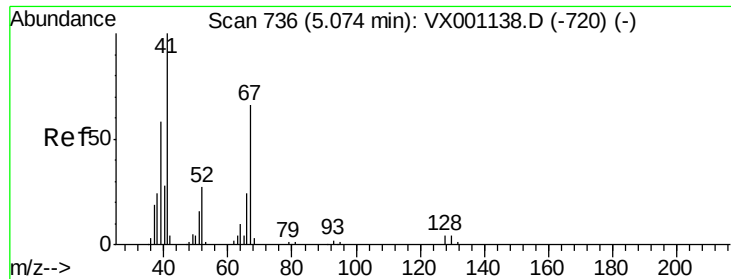
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#40
Benzene
Concen: 4.77 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.01 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.7	29.5





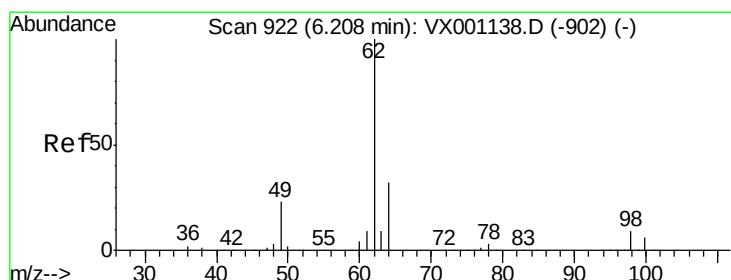
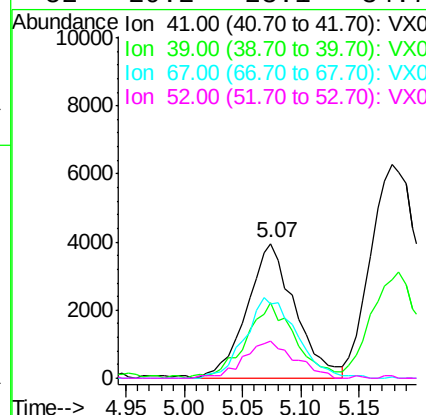
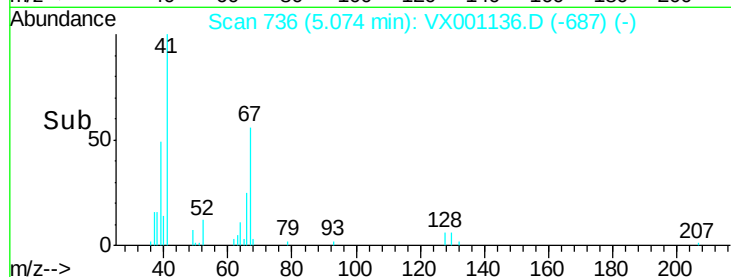
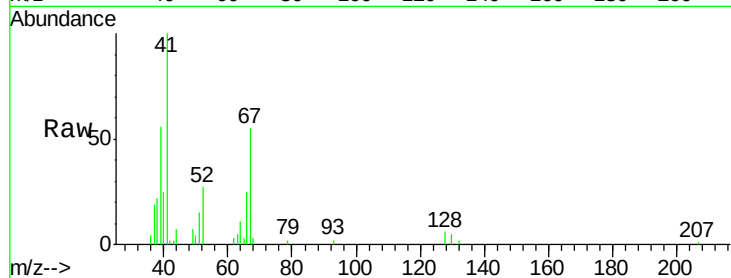
#41
Methacrylonitrile
Concen: 5.47 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.9	68.9
67	63.7	53.2	79.8
52	29.2	23.1	34.7

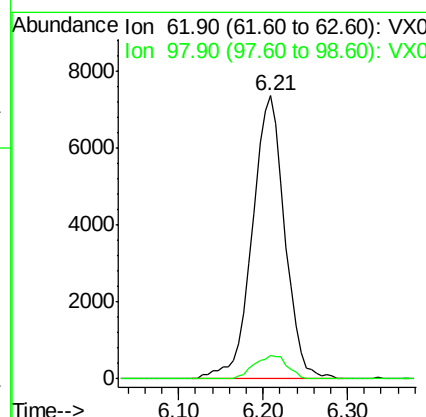
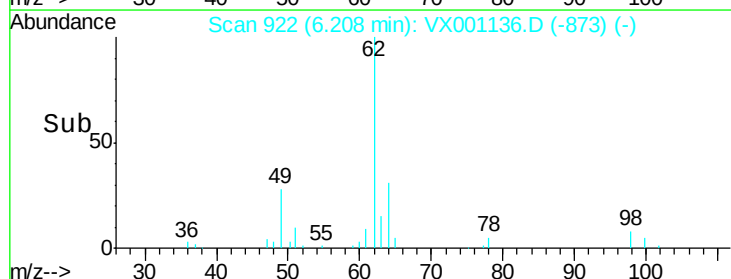
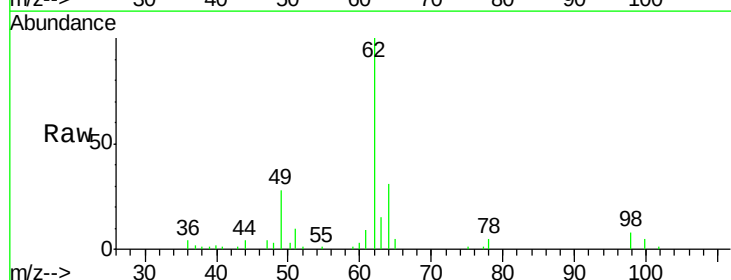
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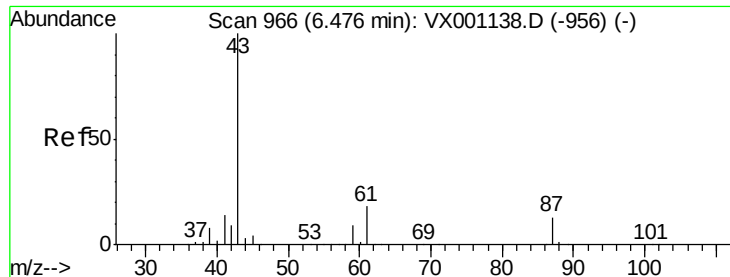
MMDadoda
4/30/2018 6:03:25 PM



#42
1,2-Dichloroethane
Concen: 5.04 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 4.97 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

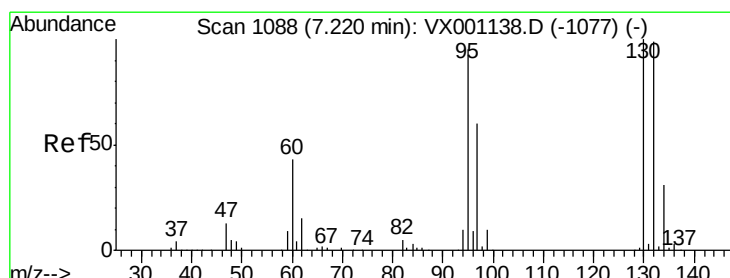
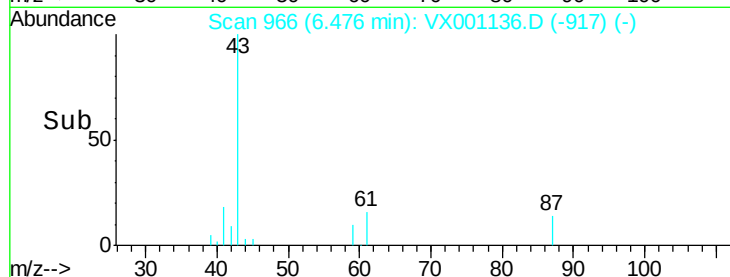
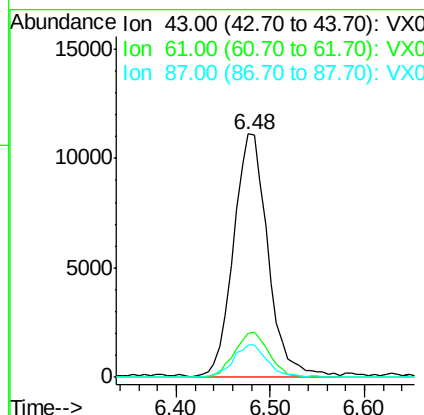
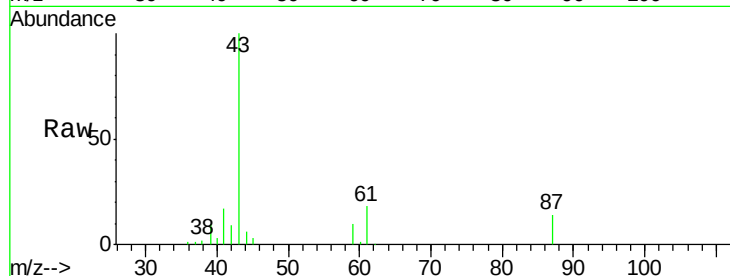
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	28510
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.0	22.6
87	13.2	10.3	15.5

Manual Integrations
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4/30/2018 6:03:25 PM



#44

Trichloroethene

Concen: 4.77 ug/l

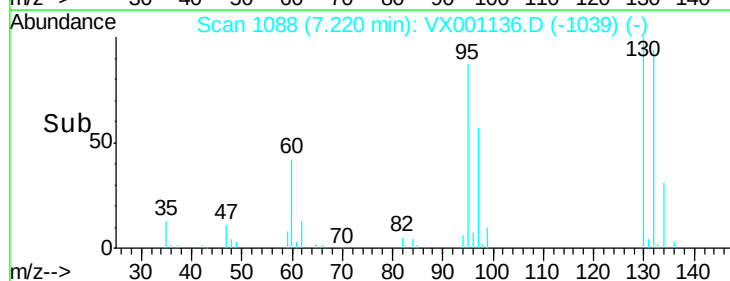
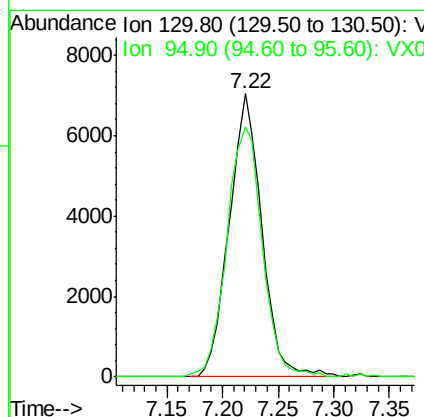
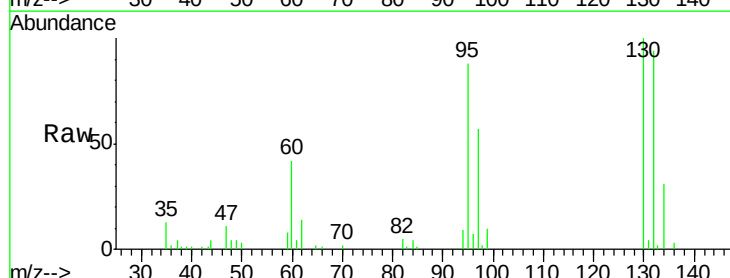
RT: 7.22 min Scan# 1088

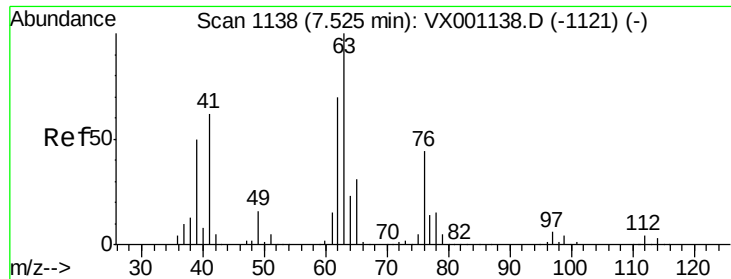
Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion:	130	Resp:	14297
Ion	Ratio	Lower	Upper
130	100		
95	88.2	0.0	189.6





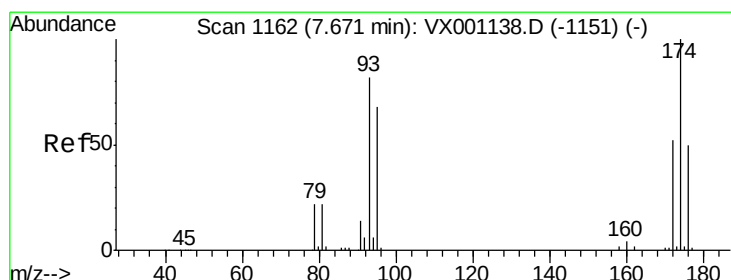
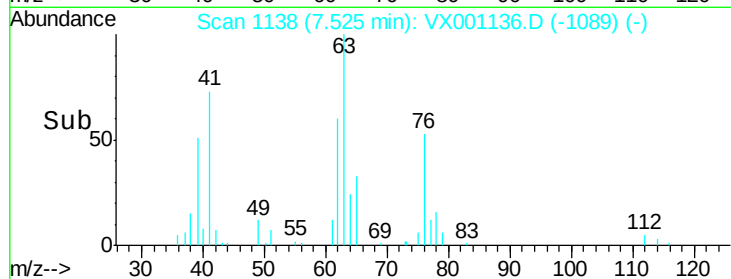
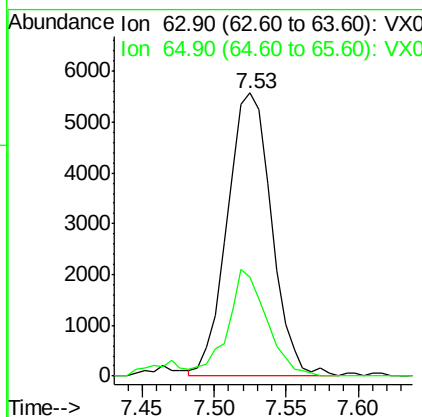
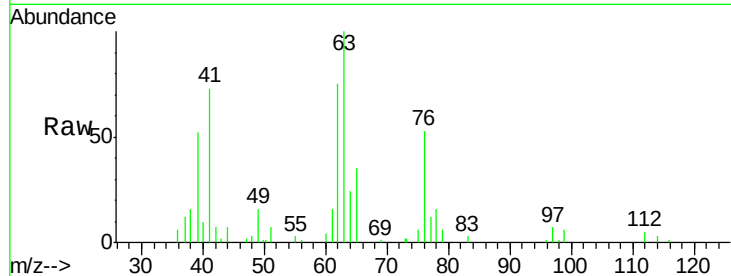
#45
 1,2-Dichloropropane
 Concen: 4.81 ug/l
 RT: 7.53 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11976
 Ion Ratio Lower Upper
 63 100
 65 35.0 24.9 37.3

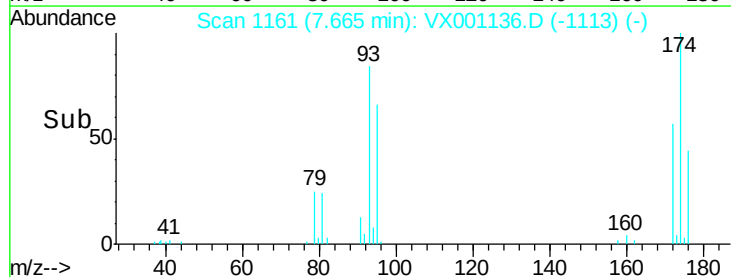
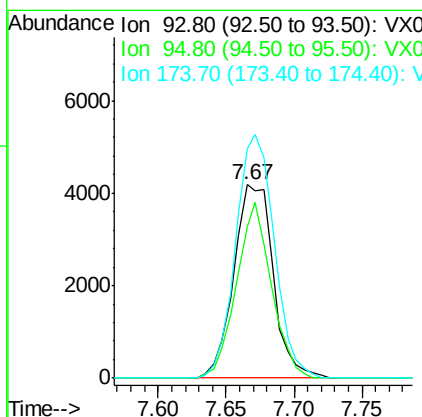
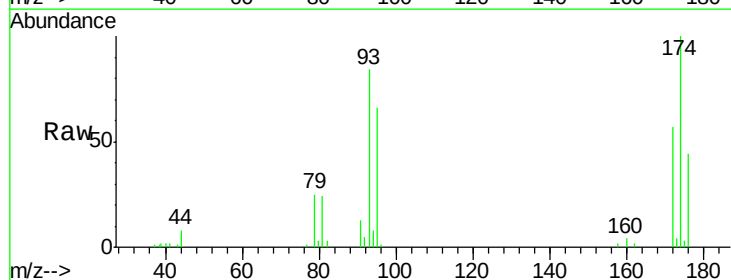
Manual Integrations
 APPROVED

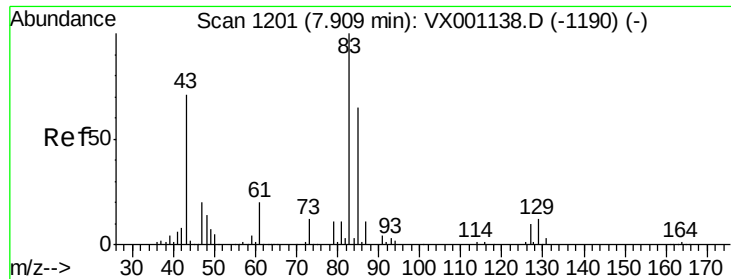
MMDadoda
 4/30/2018 6:03:25 PM



#46
 Dibromomethane
 Concen: 4.84 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion: 93 Resp: 8459
 Ion Ratio Lower Upper
 93 100
 95 80.5 66.4 99.6
 174 123.5 99.6 149.4





#47

Bromodichloromethane

Concen: 4.37 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

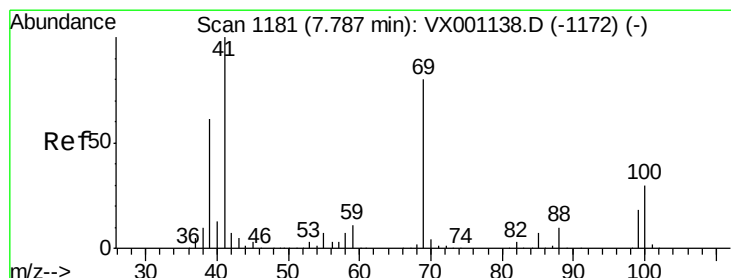
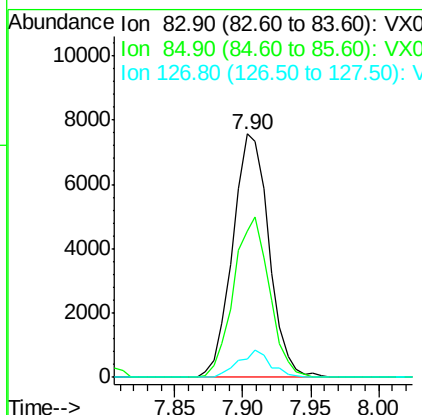
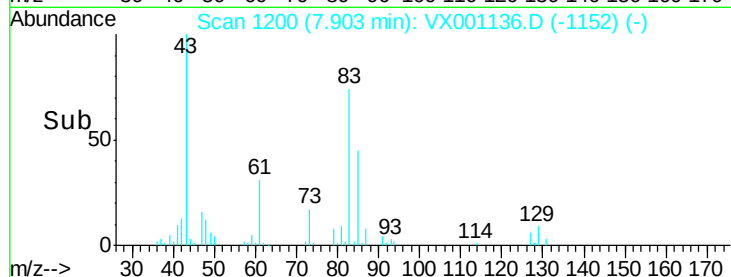
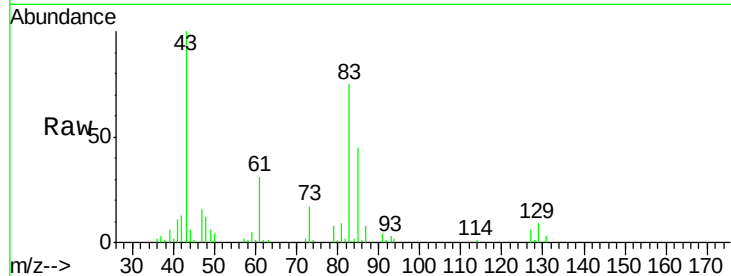
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14064
Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.9	77.9
127	7.5	7.7	11.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.96 ug/l

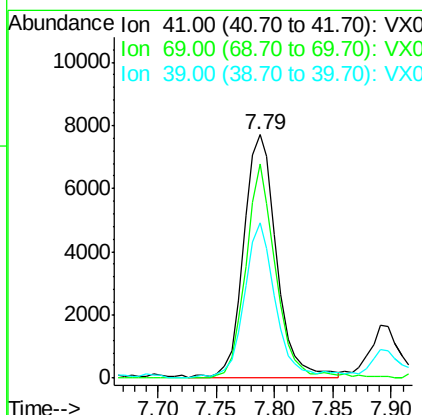
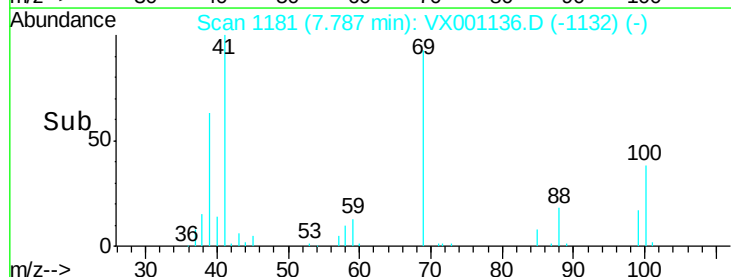
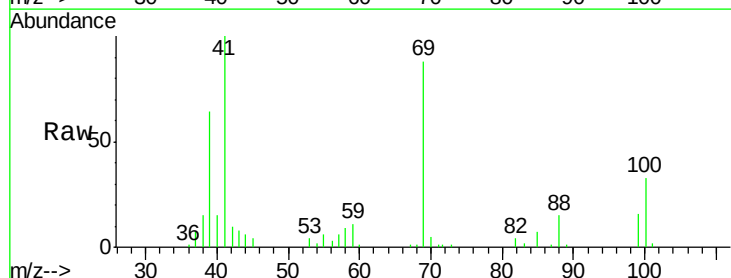
RT: 7.79 min Scan# 1181

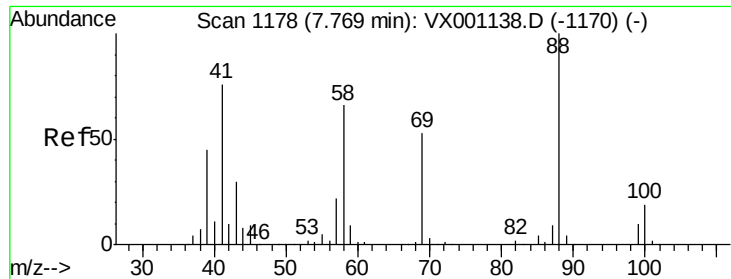
Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion:	41	Resp:	15229
Ion	Ratio	Lower	Upper
41	100		
69	78.0	62.4	93.6
39	59.8	48.7	73.1





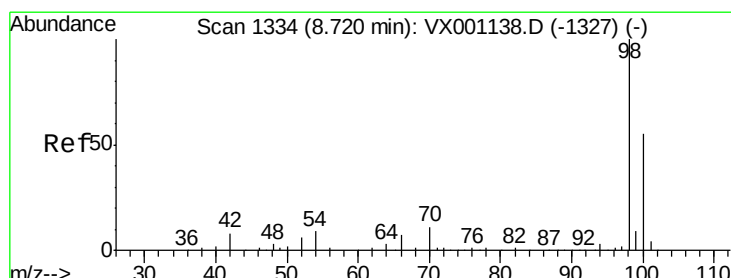
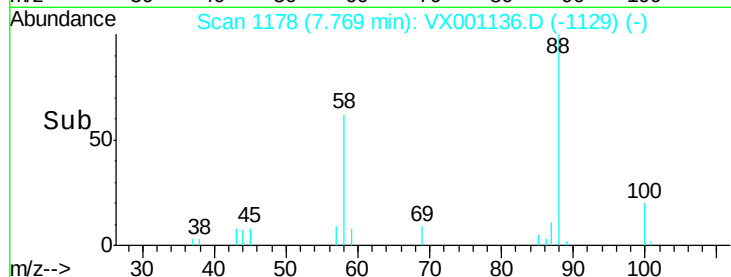
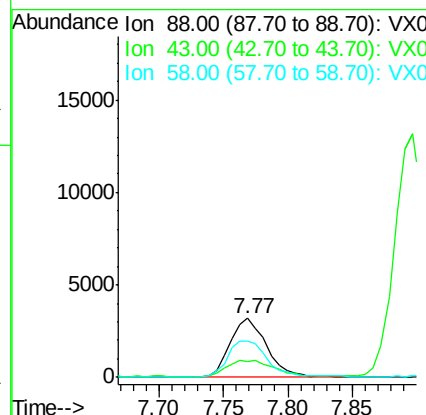
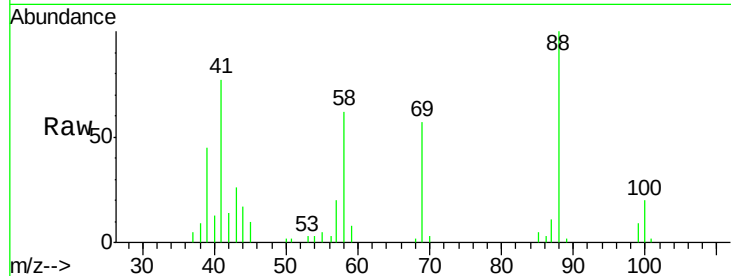
#49
 1,4-Dioxane
 Concen: 129.98 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	27.3	40.9
58	66.9	54.2	81.4

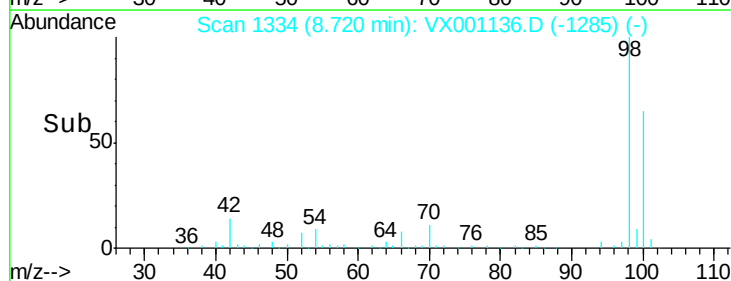
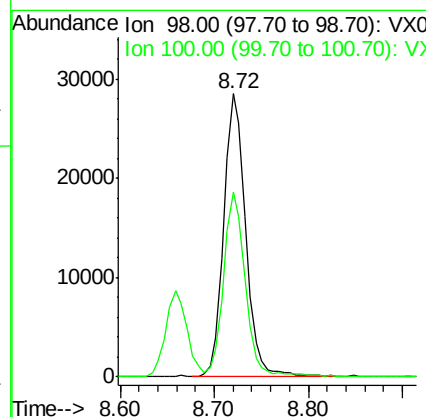
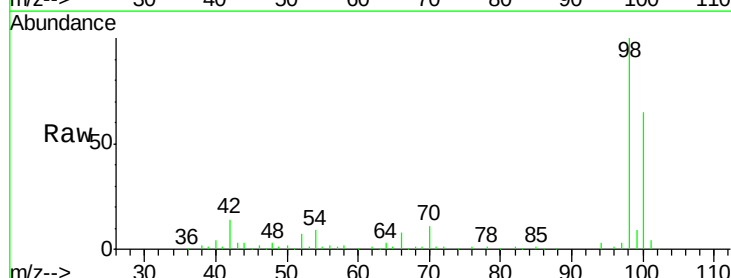
Manual Integrations
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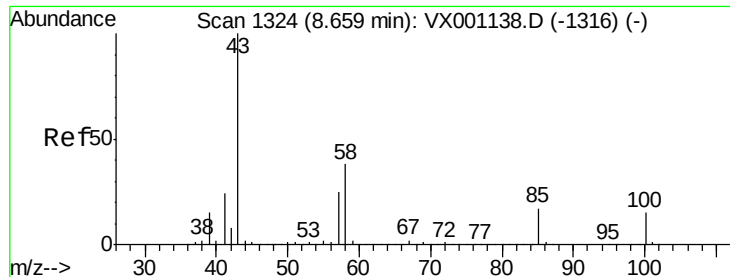
MMDadoda
 4/30/2018 6:03:25 PM



#50
 Toluene-d8
 Concen: 5.29 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 27.01 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 95503

Ion Ratio Lower Upper

43 100

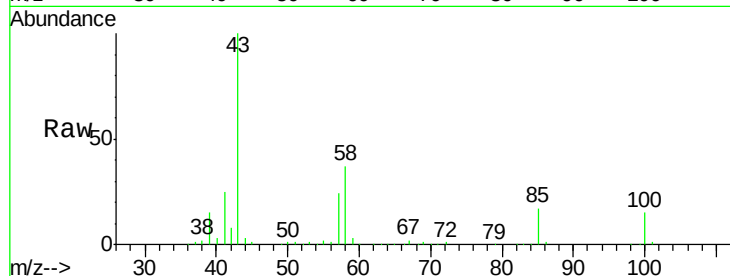
58 37.8 30.2 45.2

Manual Integrations

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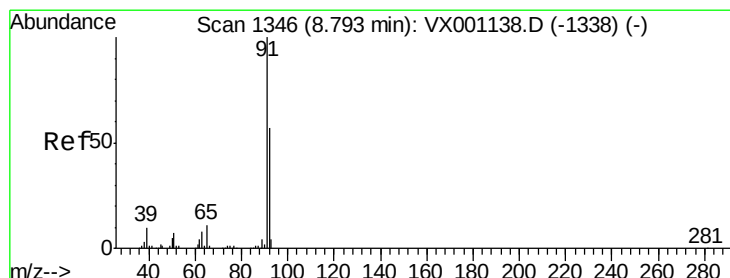
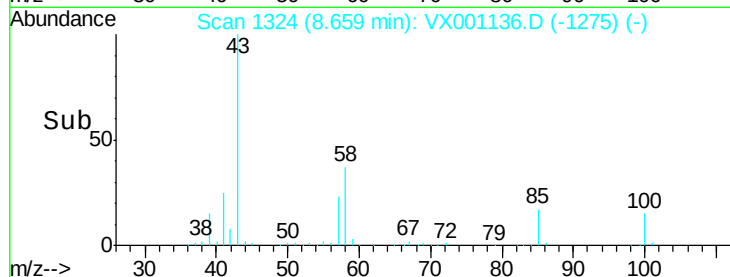
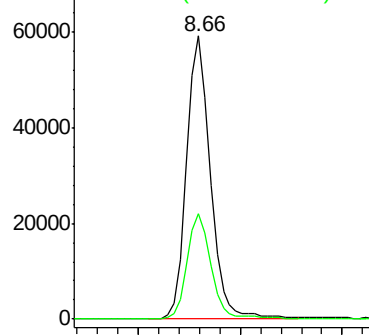
MMDadoda

4/30/2018 6:03:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 4.83 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001136.D

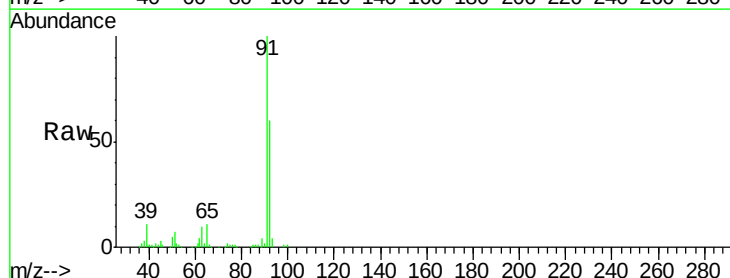
Acq: 26 Apr 2018 17:29

Tgt Ion: 92 Resp: 31064

Ion Ratio Lower Upper

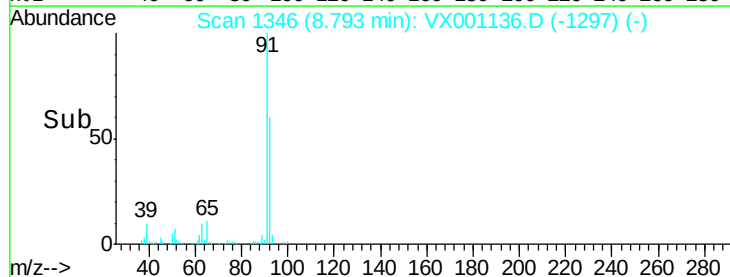
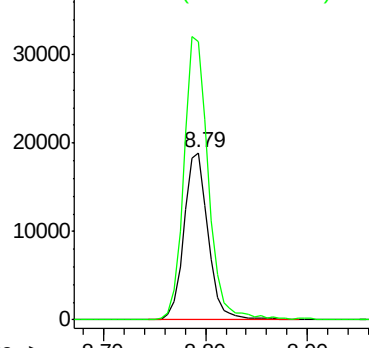
92 100

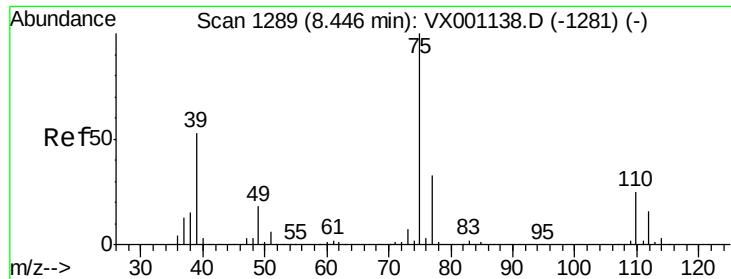
91 171.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





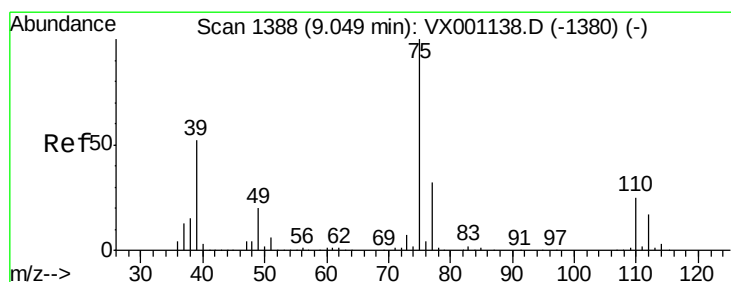
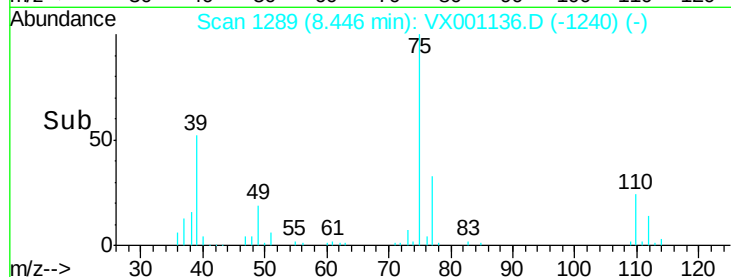
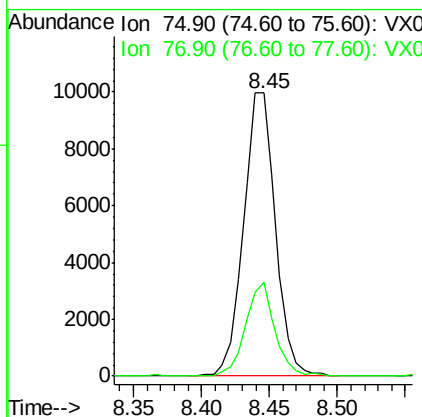
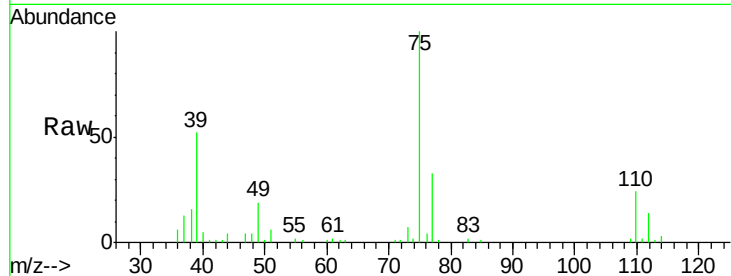
#53
 t-1,3-Dichloropropene
 Concen: 4.26 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion: 75 Resp: 16349
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.2 39.4

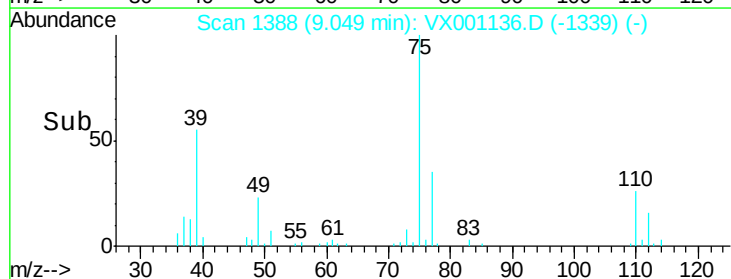
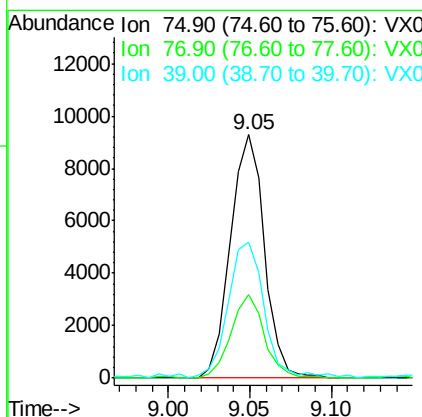
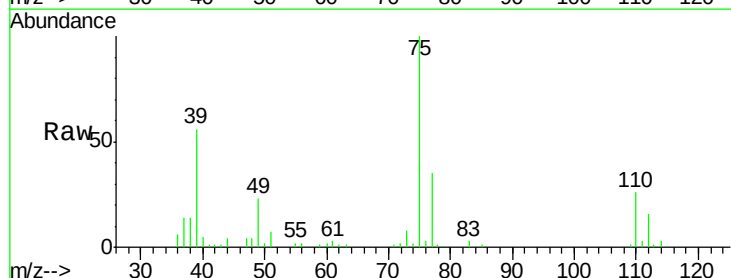
Manual Integrations
 APPROVED

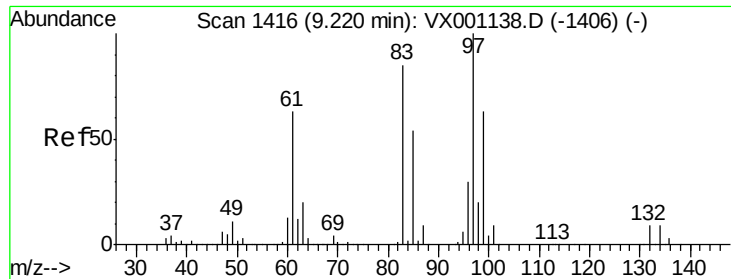
MMDadoda
 4/30/2018 6:03:25 PM



#54
 cis-1,3-Dichloropropene
 Concen: 3.72 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion: 75 Resp: 13454
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.4 38.2
 39 56.1 42.0 63.0





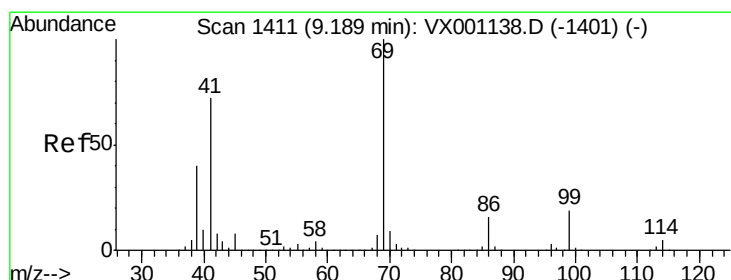
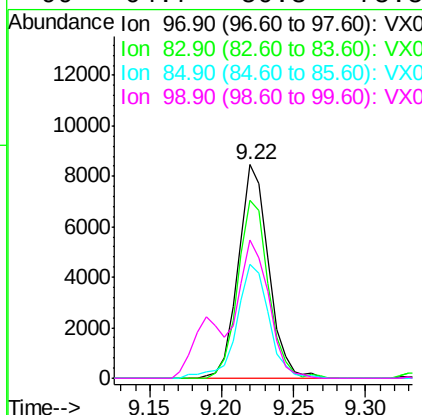
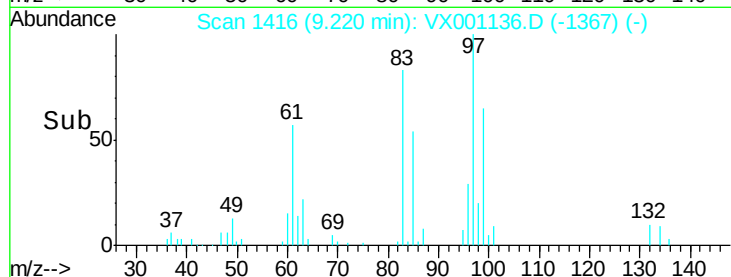
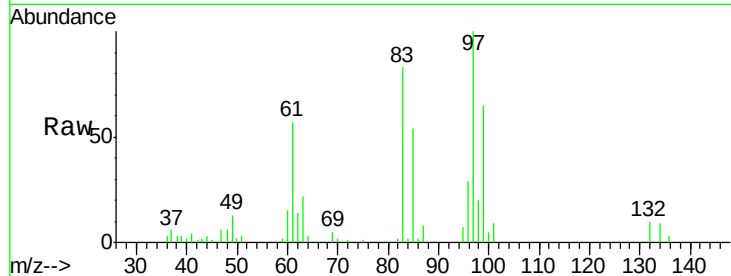
#55
 1,1,2-Trichloroethane
 Concen: 4.80 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	12396
Ion	Ratio	Lower	Upper
97	100		
83	83.2	68.0	102.0
85	53.6	42.9	64.3
99	64.7	50.3	75.5

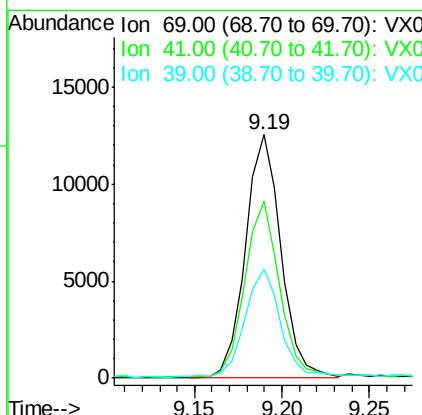
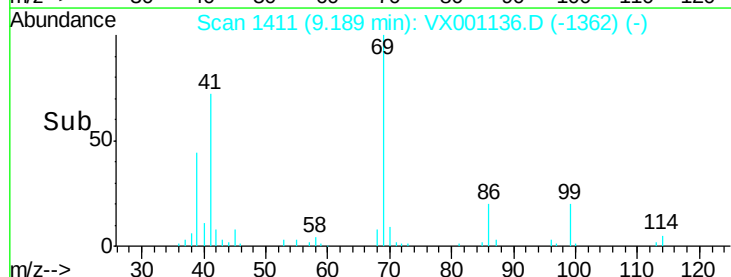
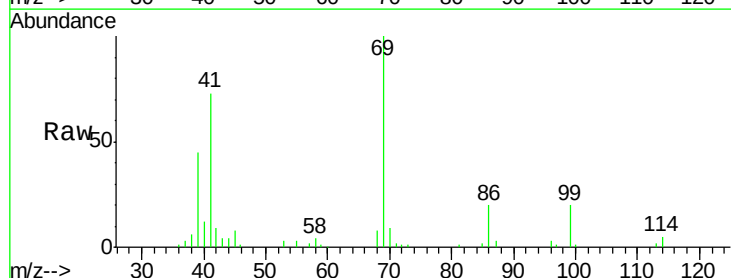
Manual Integrations
 APPROVED

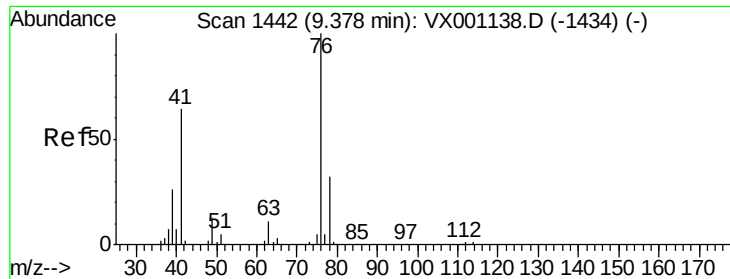
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 4.65 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion:	69	Resp:	17727
Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.7	86.5
39	44.9	33.3	49.9





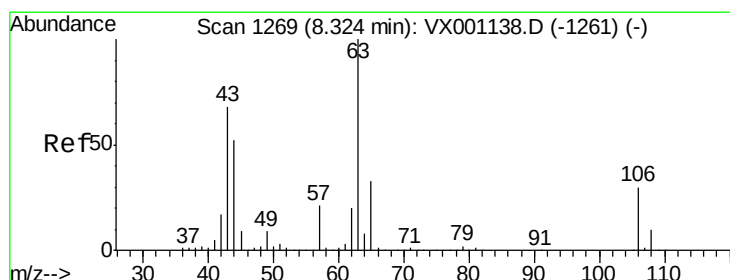
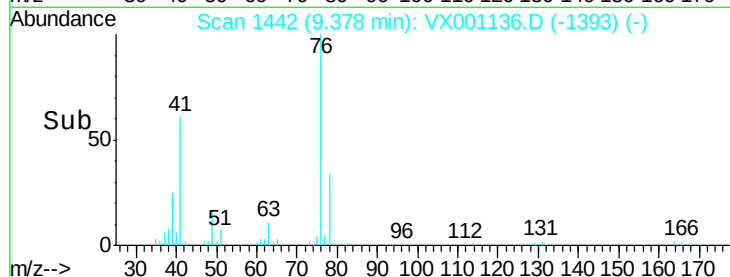
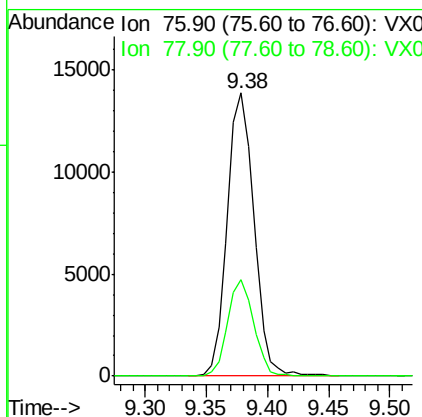
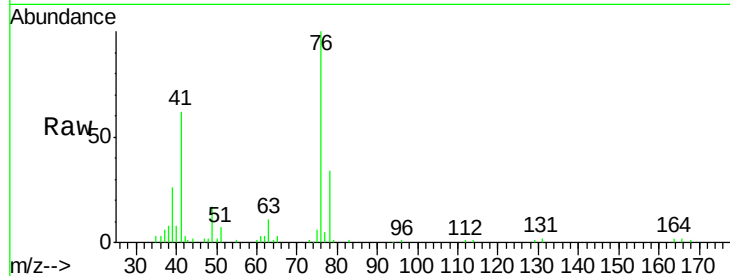
#57
 1,3-Dichloropropane
 Concen: 4.90 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.1	39.1

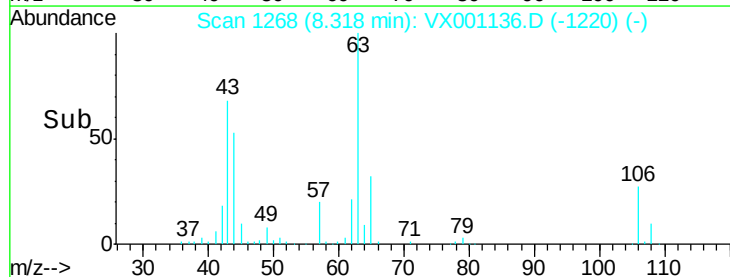
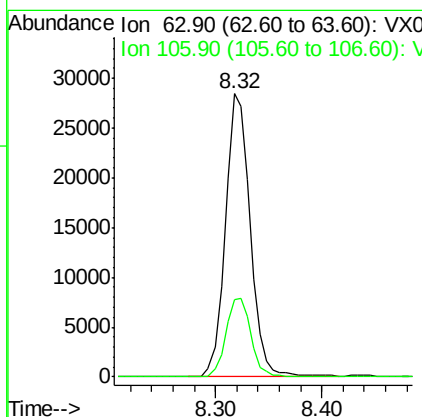
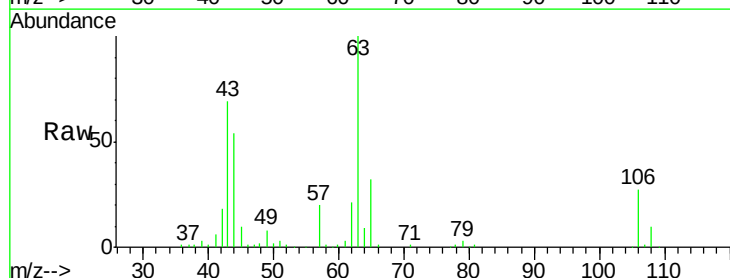
Manual Integrations
 APPROVED

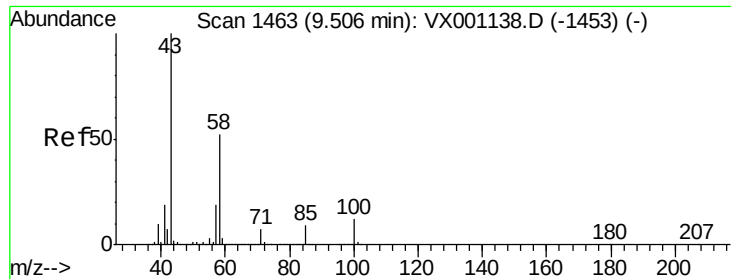
MMDadoda
 4/30/2018 6:03:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.21 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.7	35.5





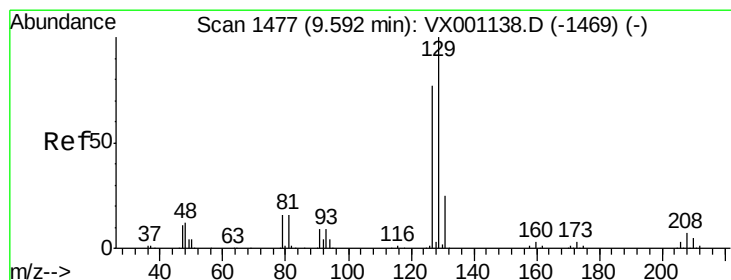
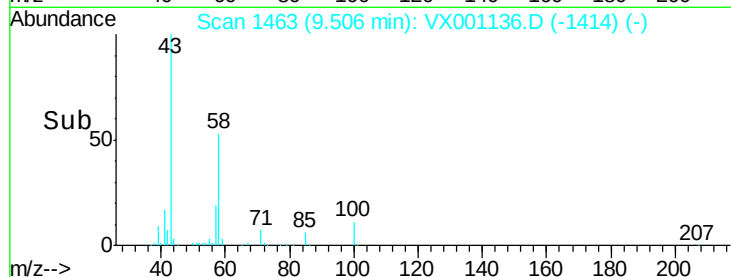
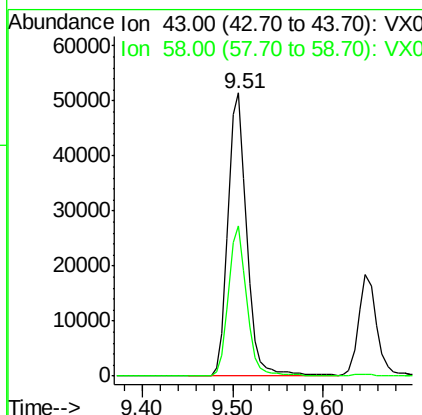
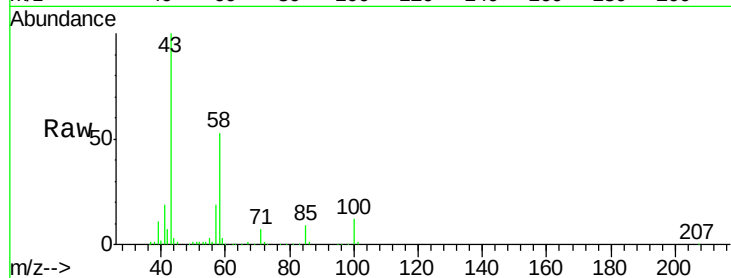
#59
2-Hexanone
Concen: 27.16 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 73842
Ion Ratio Lower Upper
43 100
58 52.2 25.8 77.4

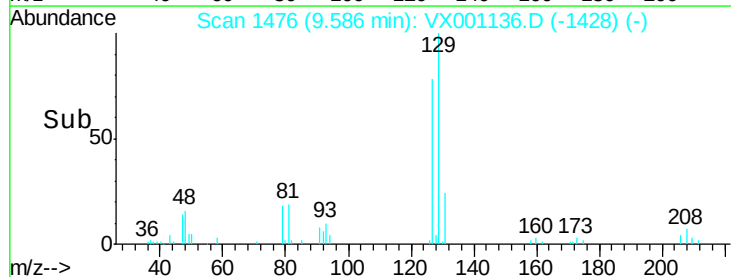
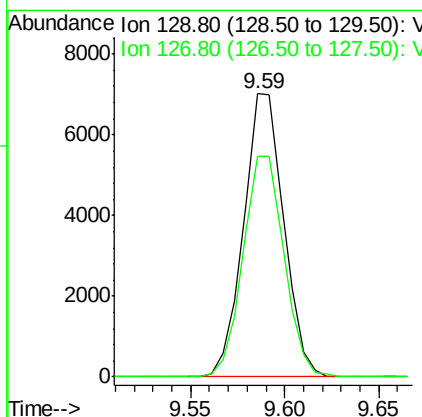
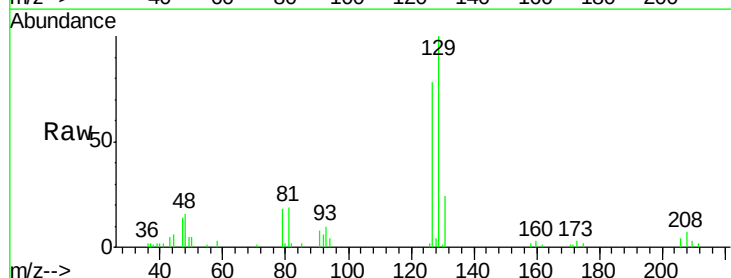
Manual Integrations
APPROVED

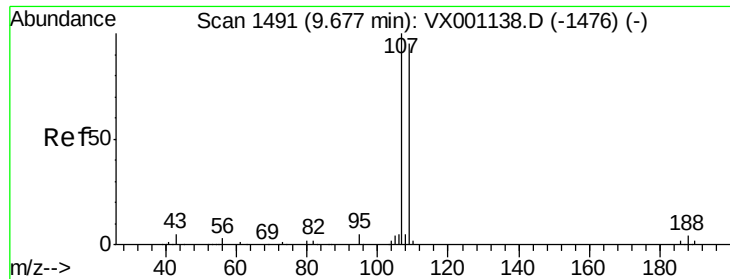
MMDadoda
4/30/2018 6:03:25 PM



#60
Dibromochloromethane
Concen: 3.84 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion: 129 Resp: 10373
Ion Ratio Lower Upper
129 100
127 79.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 4.72 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 12914

Ion Ratio Lower Upper

107 100

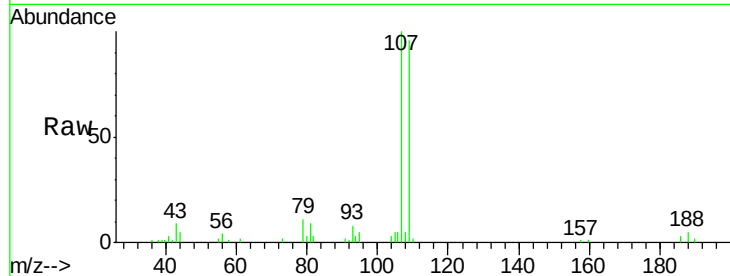
109 93.0 75.2 112.8

Manual Integrations

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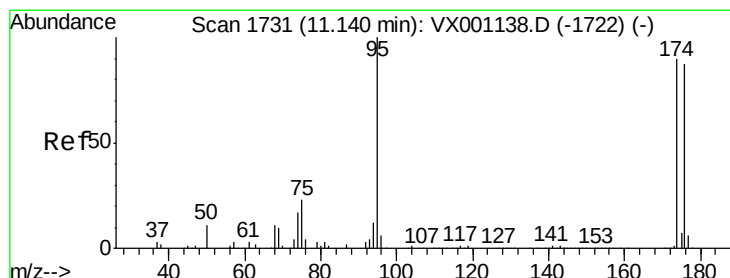
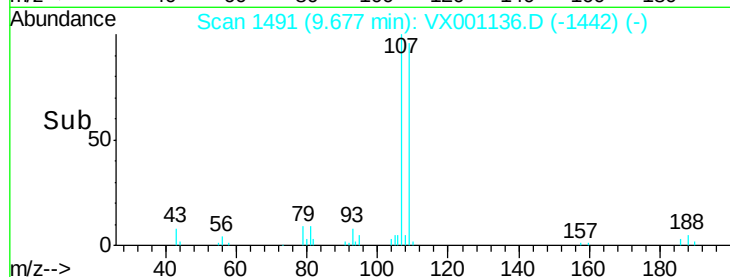
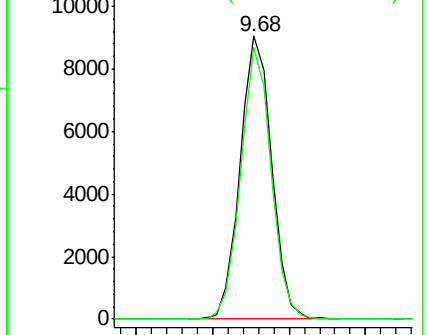
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

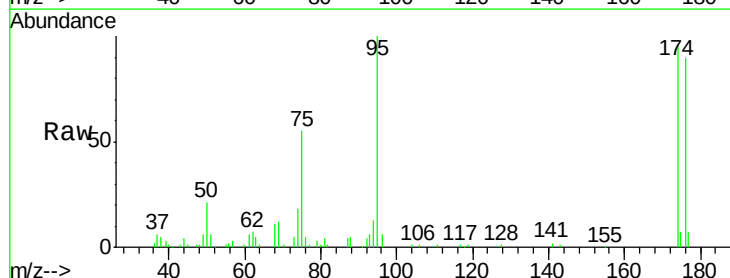
Tgt Ion: 95 Resp: 17016

Ion Ratio Lower Upper

95 100

174 100.2 0.0 194.4

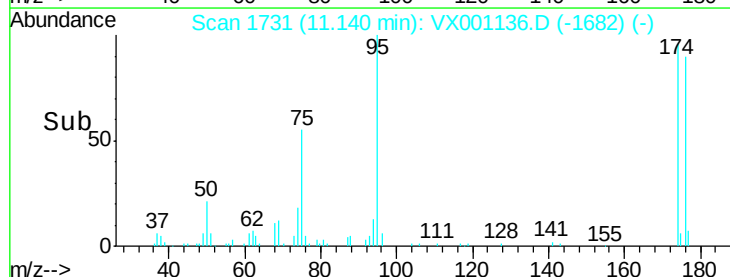
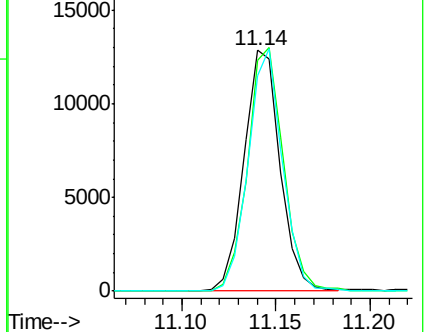
176 95.7 0.0 190.2

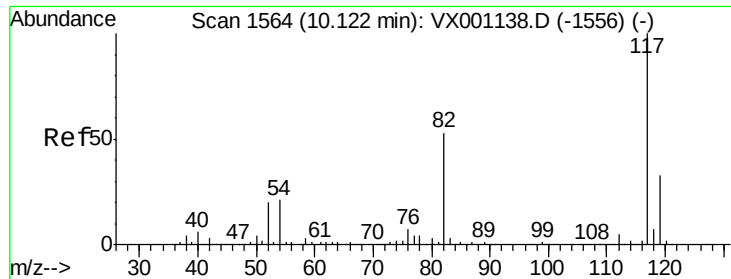


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





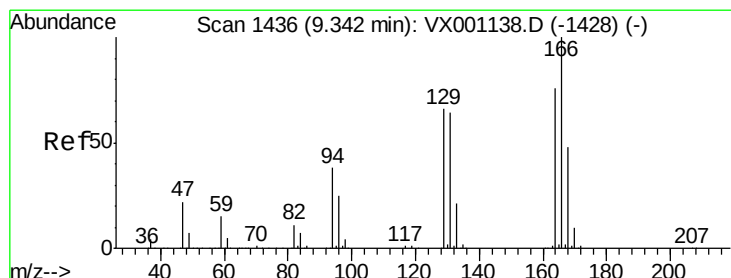
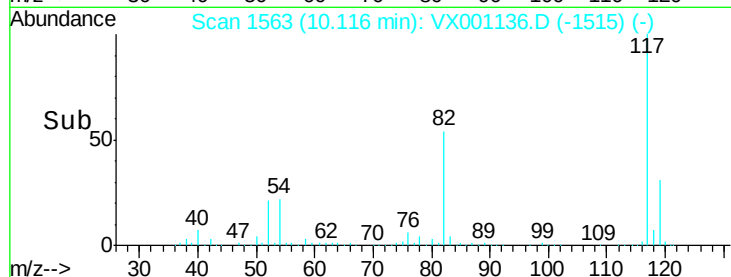
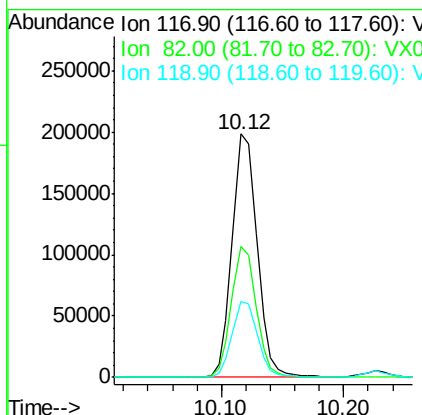
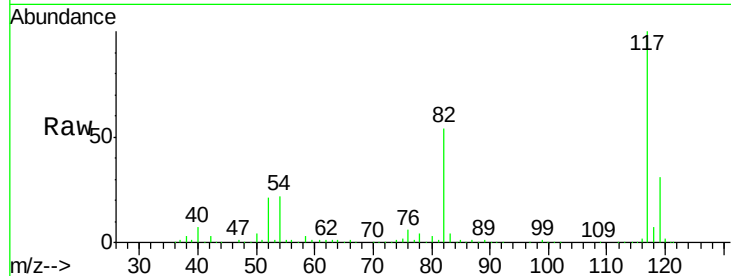
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.1	63.1
119	31.4	26.1	39.1

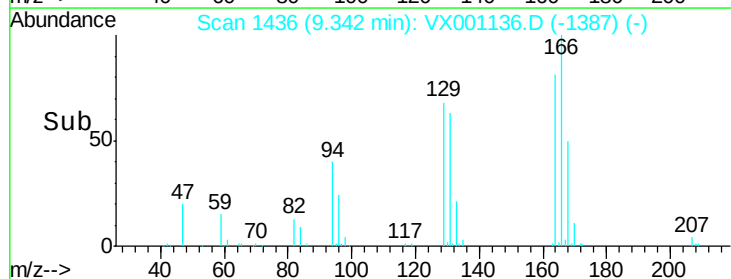
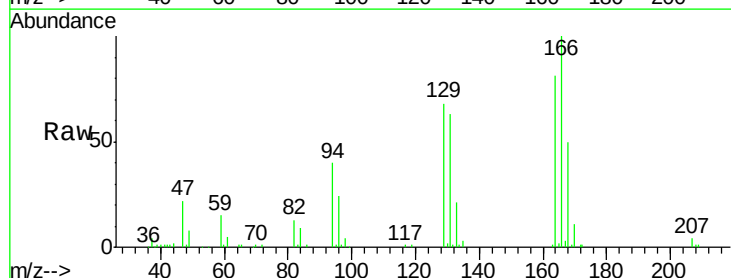
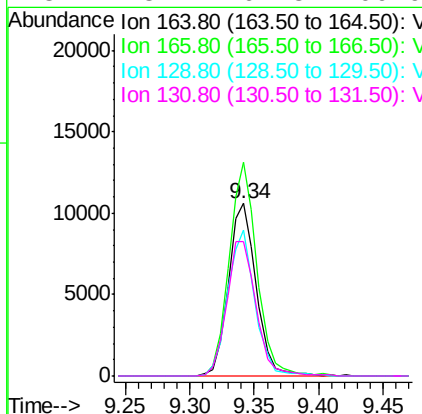
Manual Integrations
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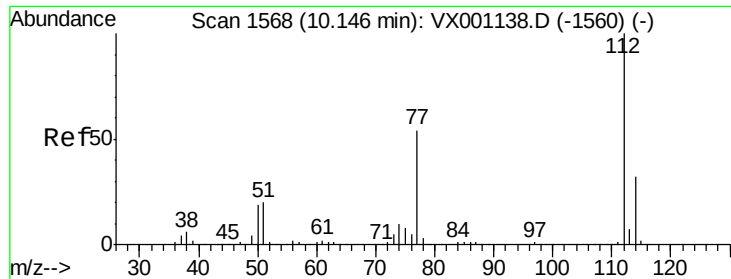
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#64
Tetrachloroethene
Concen: 5.36 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	105.0	157.6
129	84.2	69.4	104.2
131	78.2	67.3	100.9





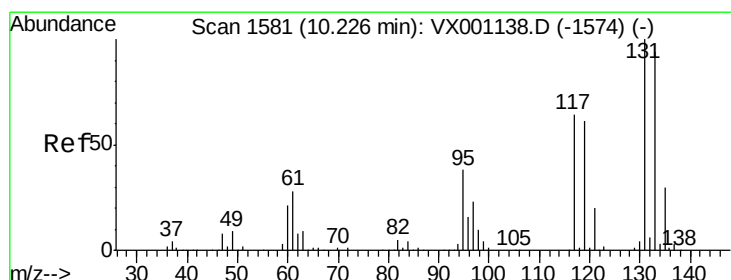
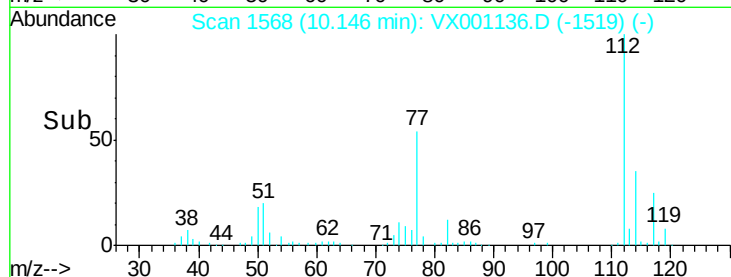
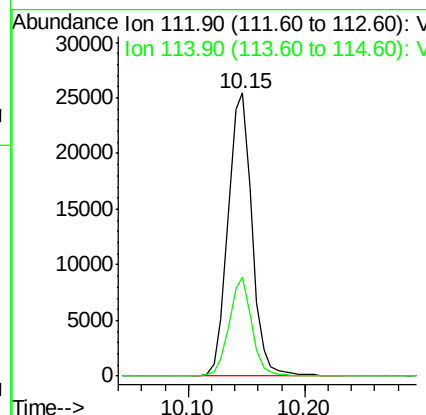
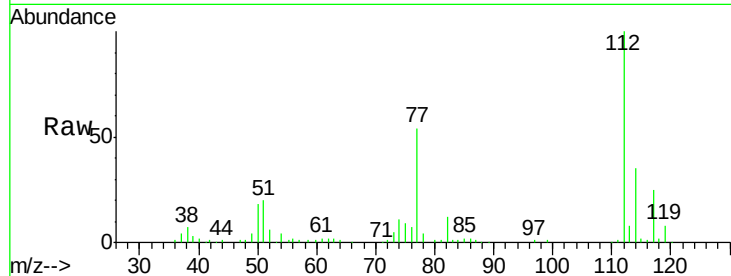
#65
Chlorobenzene
Concen: 4.83 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 36155
Ion Ratio Lower Upper
112 100
114 35.1 25.7 38.5

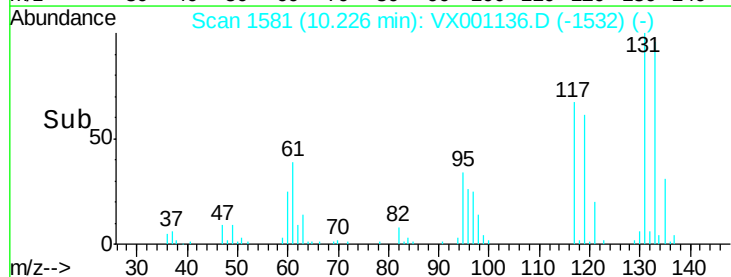
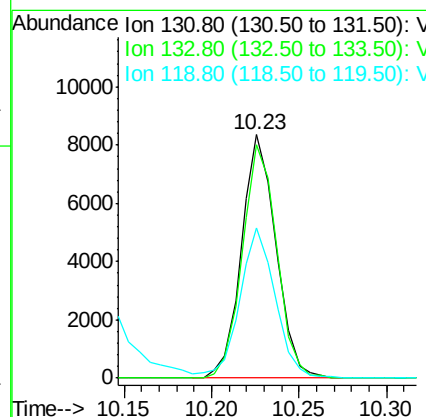
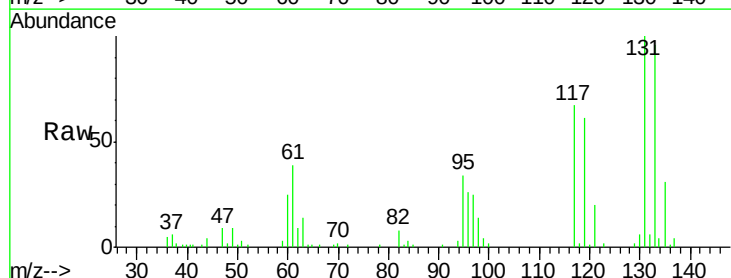
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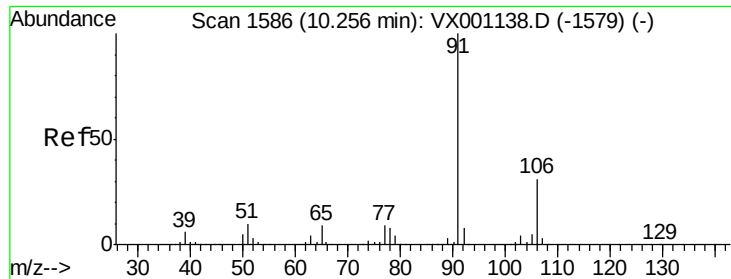
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.43 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion:131 Resp: 11412
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.4
119 63.8 31.3 93.8





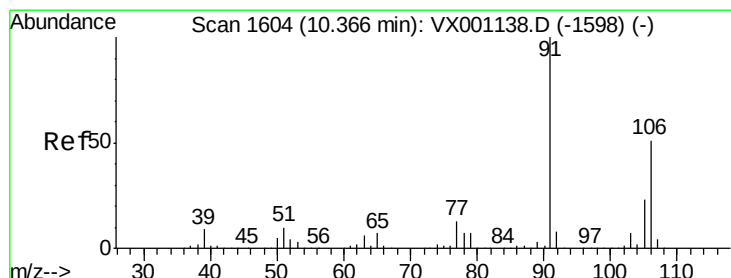
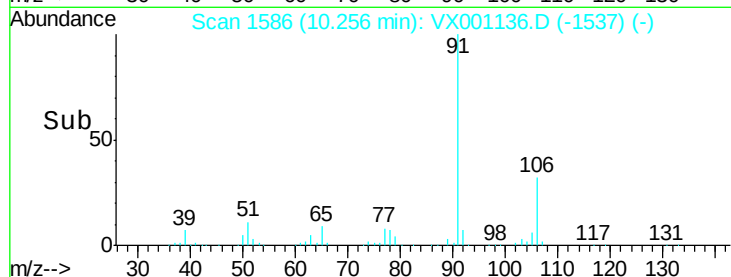
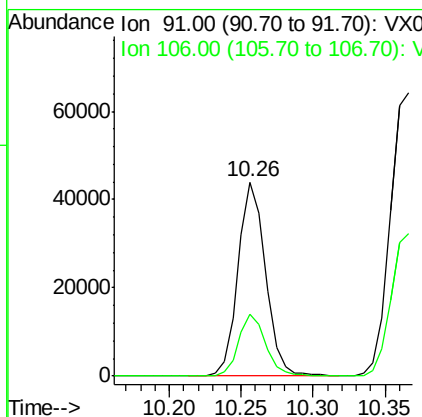
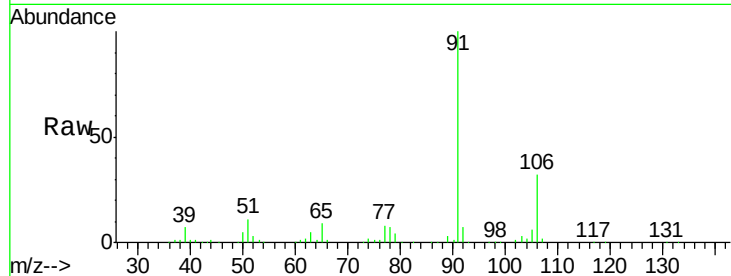
#67
Ethyl Benzene
Concen: 4.73 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 58610
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2

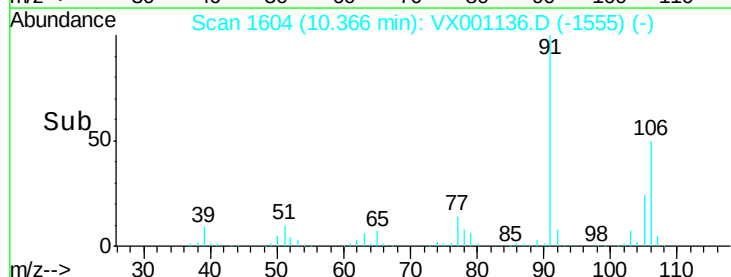
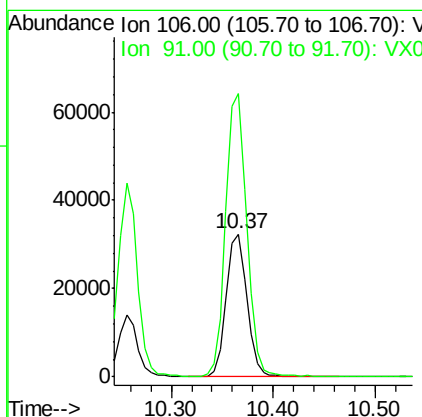
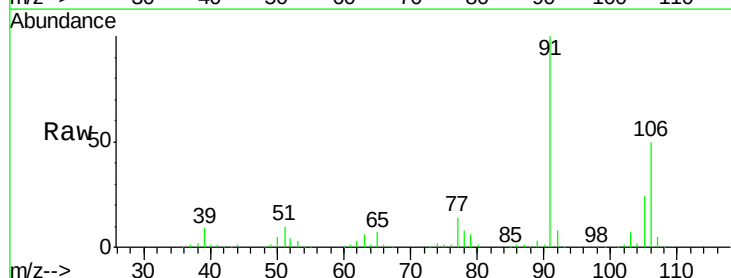
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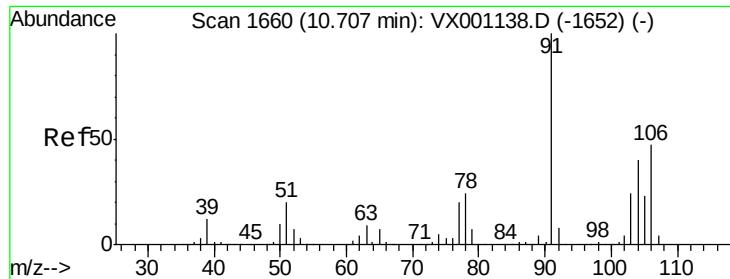
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#68
m/p-Xylenes
Concen: 9.43 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion: 106 Resp: 46007
Ion Ratio Lower Upper
106 100
91 199.4 160.9 241.3





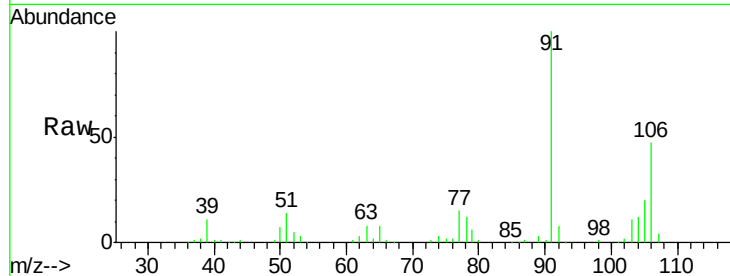
#69
o-Xylene
Concen: 4.69 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

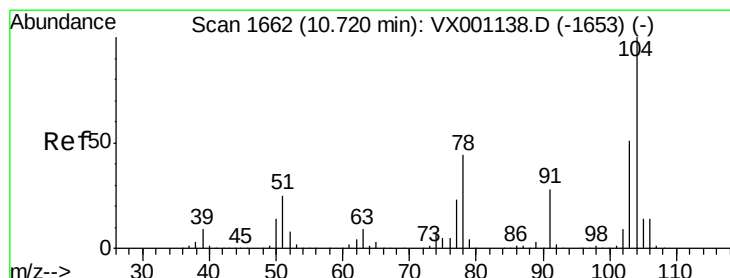
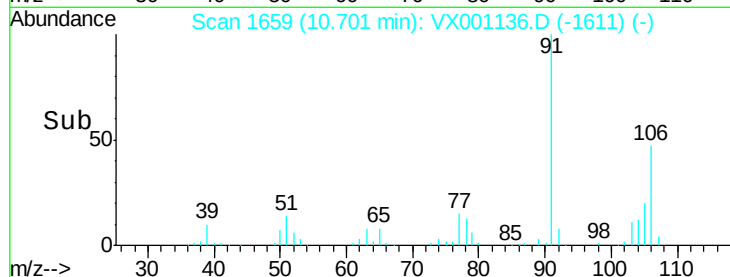
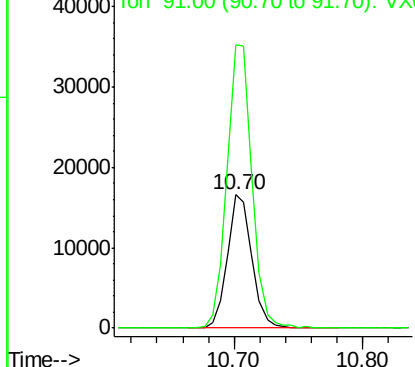
Tot Ion:106 Resp: 22143
Ion Ratio Lower Upper
106 100
91 218.5 106.2 318.5

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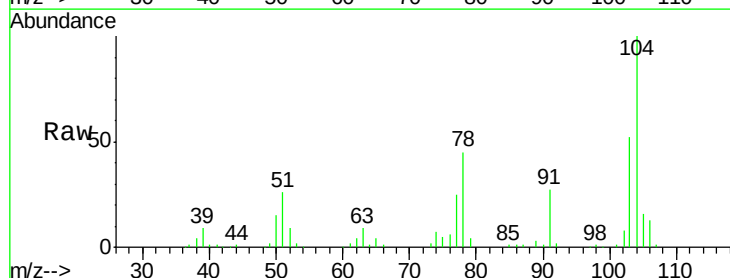


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

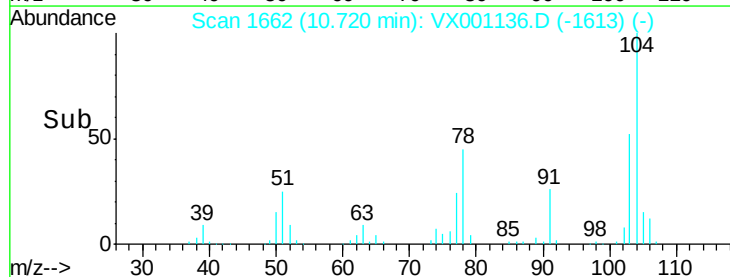
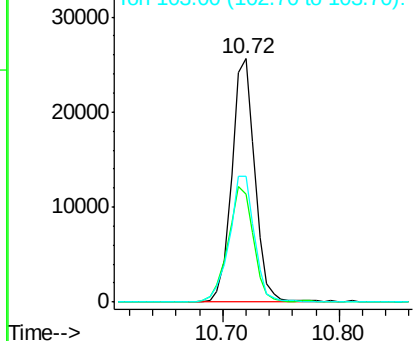


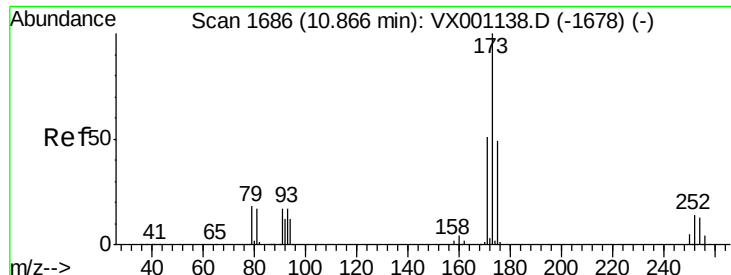
#70
Styrene
Concen: 4.56 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion:104 Resp: 35407
Ion Ratio Lower Upper
104 100
78 52.0 40.3 60.5
103 56.2 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





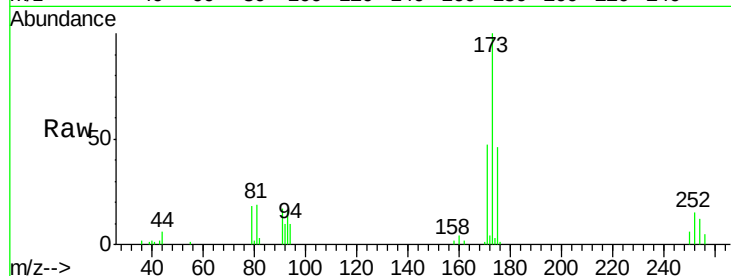
#71
Bromoform
Concen: 3.92 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

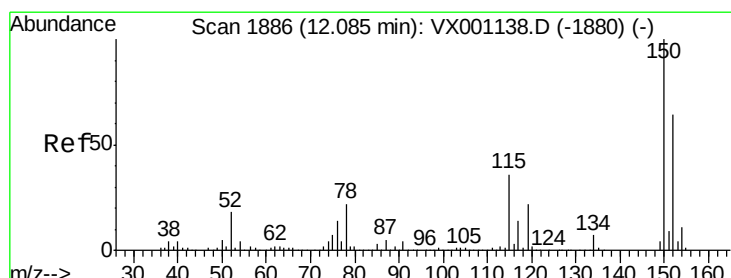
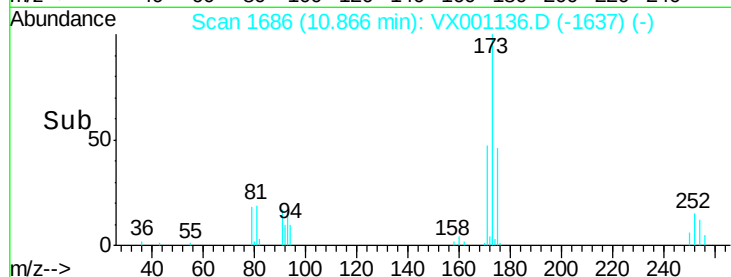
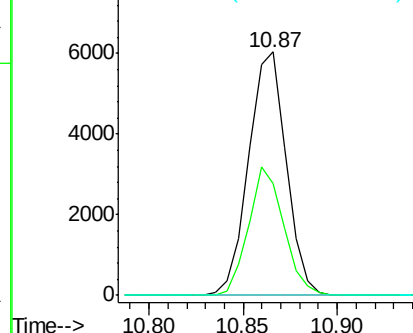
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	73.8
254	0.0	0.2	0.2

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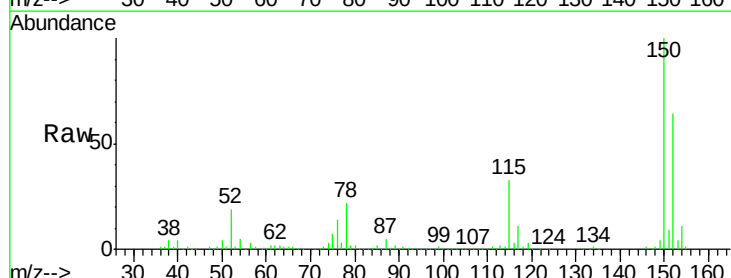


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

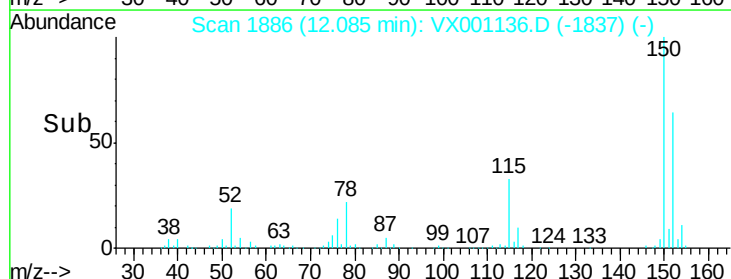
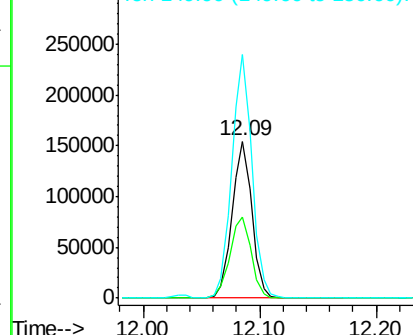


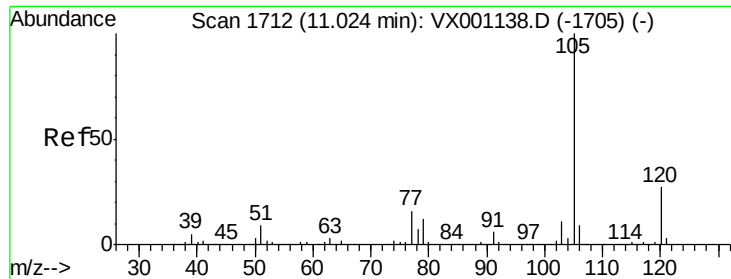
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	38.0	114.0
150	157.2	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: 5.04 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 59579

Ion Ratio Lower Upper

105 100

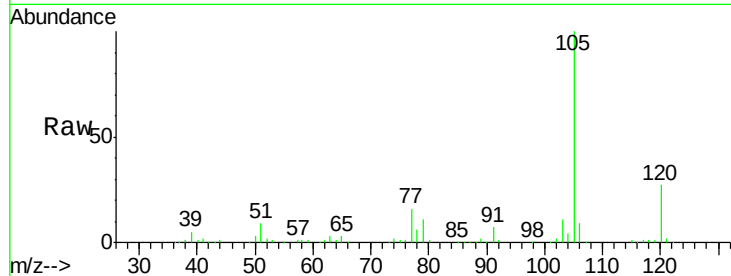
120 27.0 13.6 40.8

Manual Integrations

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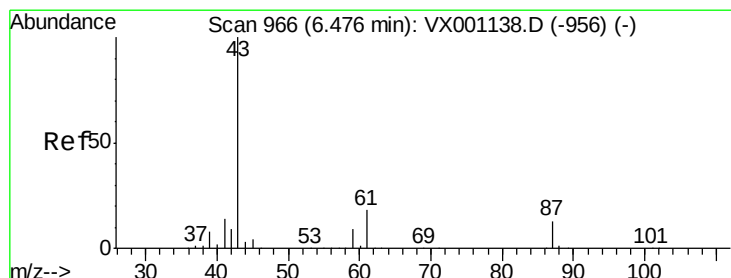
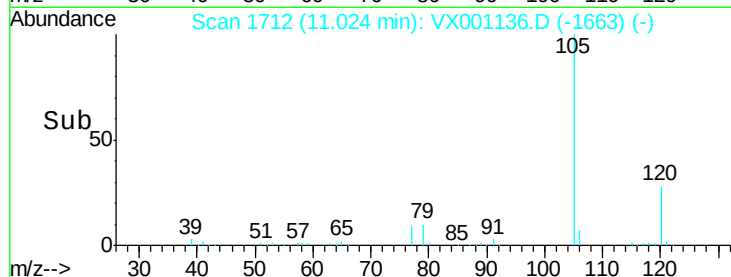
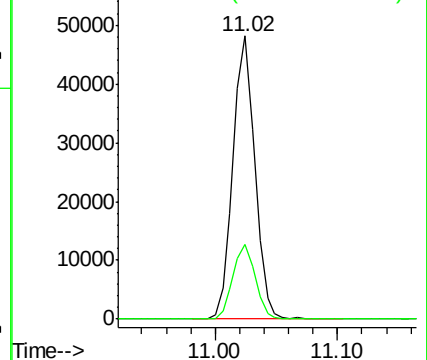
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.47 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion: 43 Resp: 28510

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

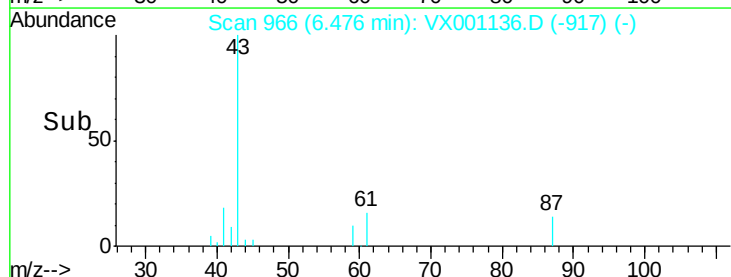
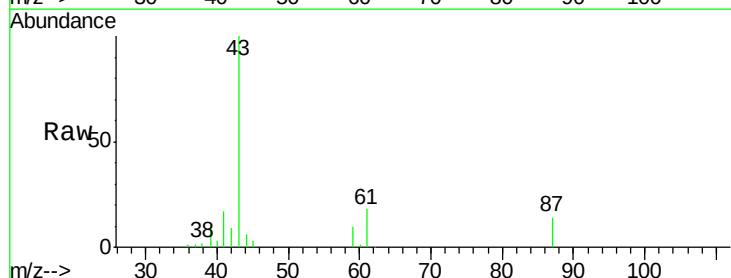
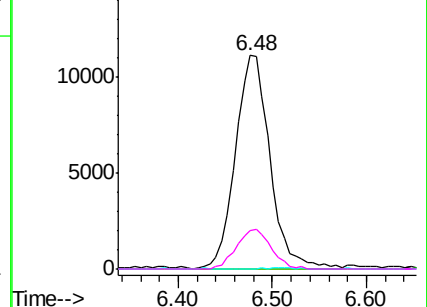
61 18.5 15.0 22.6

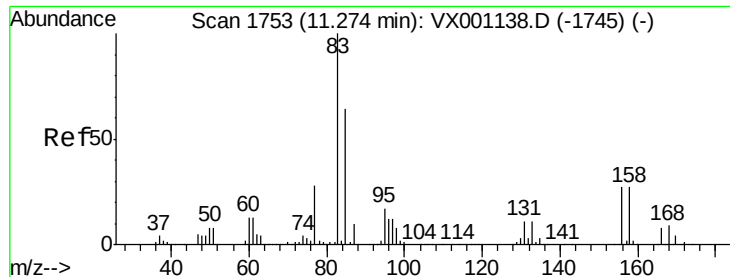
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.39 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

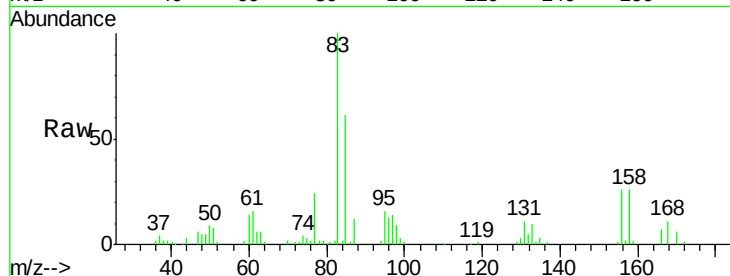
ClientSampleId :

VSTDIC005

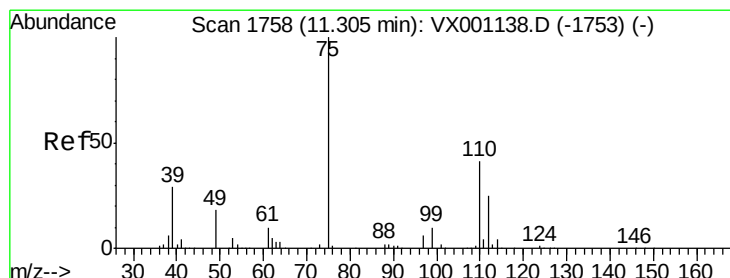
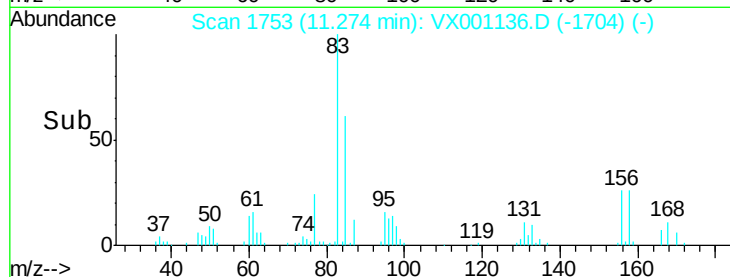
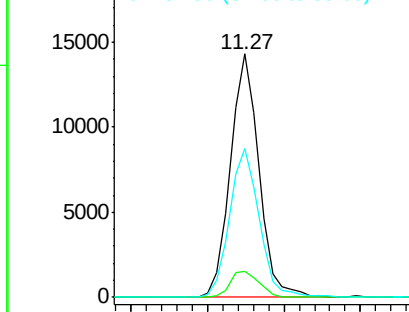
Tot Ion:	83	Resp:	18484
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.4
85	63.4	32.1	96.3

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



#76

1,2,3-Trichloropropane

Concen: 5.48 ug/l m

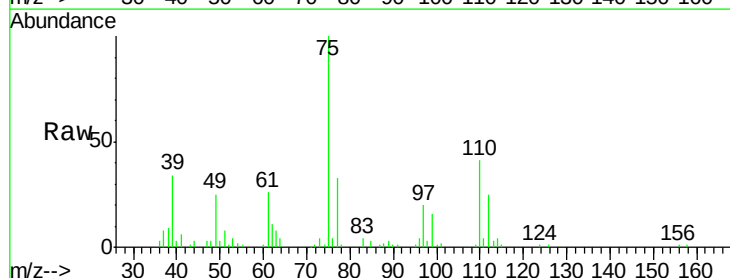
RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

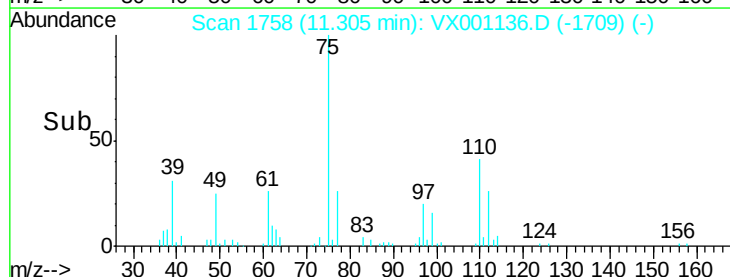
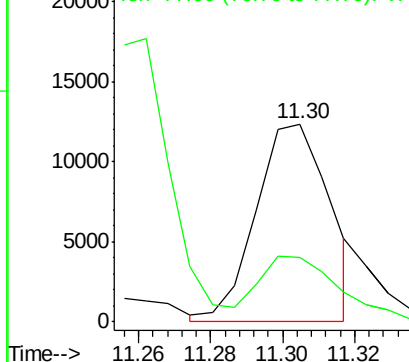
Lab File: VX001136.D

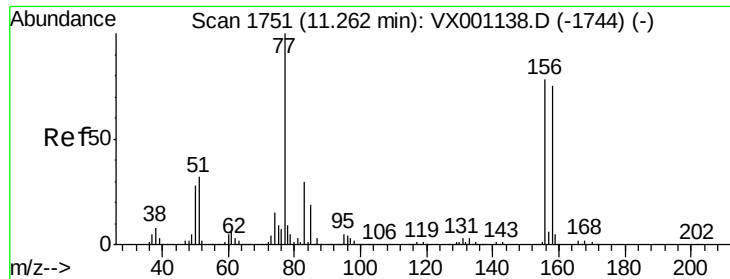
Acq: 26 Apr 2018 17:29

Tgt Ion:	75	Resp:	17763
Ion Ratio	Lower	Upper	
75	100		
77	35.5	18.9	56.9



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





#77

Bromobenzene

Concen: 5.05 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

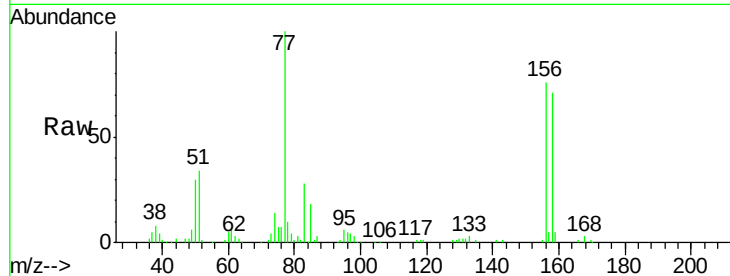
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	136.8	67.8	203.2
158	94.6	48.9	146.7

Manual Integrations
APPROVED

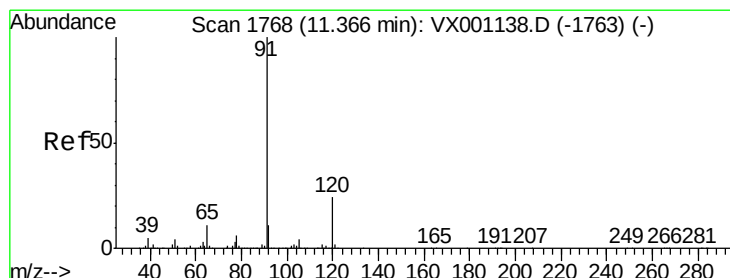
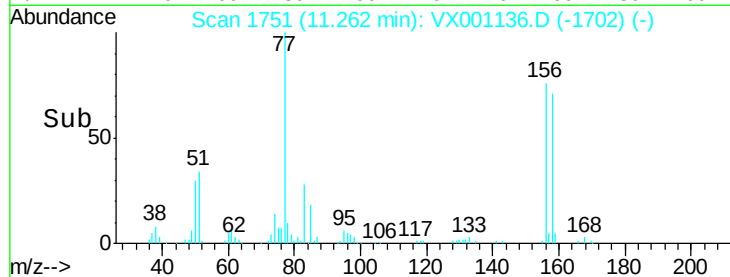
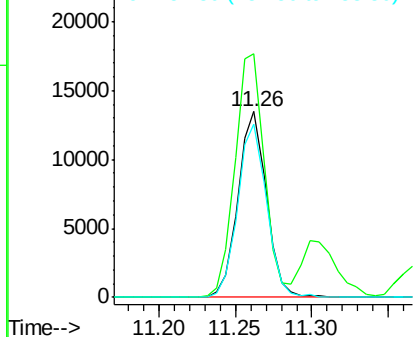
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.86 ug/l

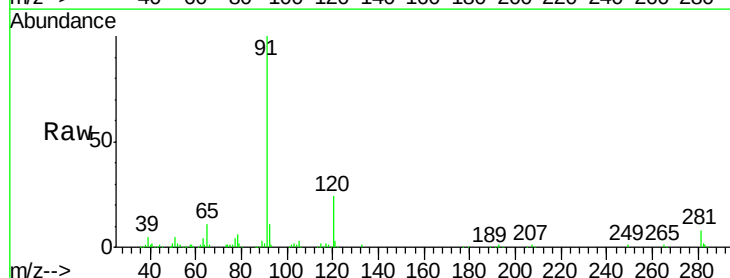
RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001136.D

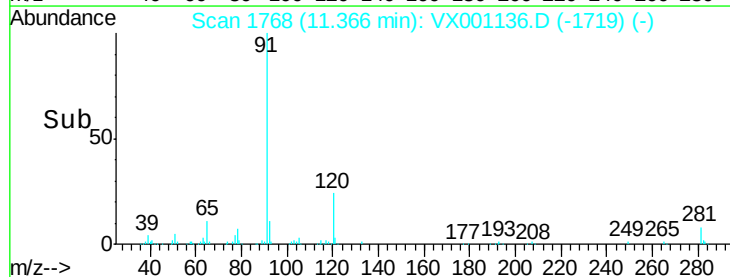
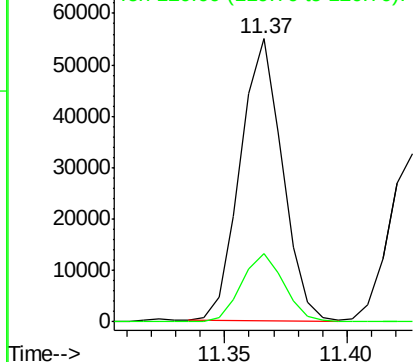
Acq: 26 Apr 2018 17:29

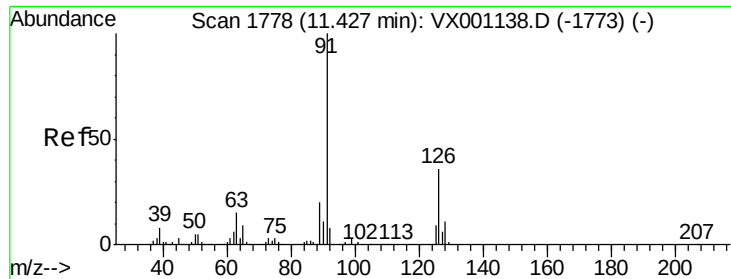
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	12.2	36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





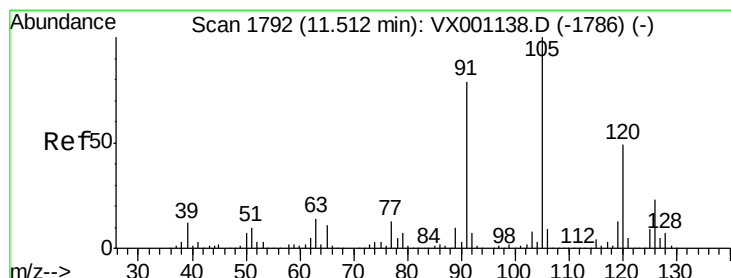
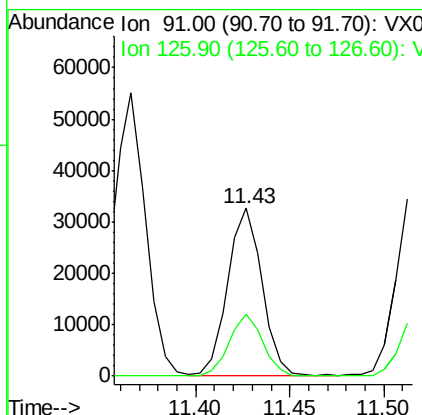
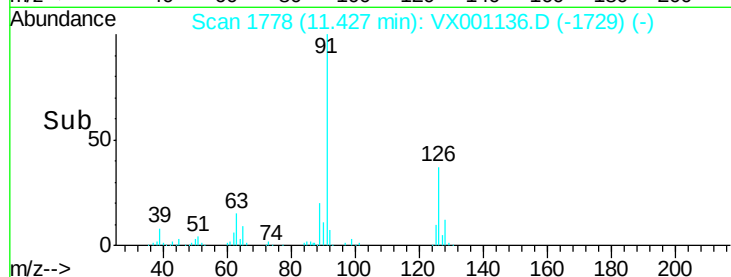
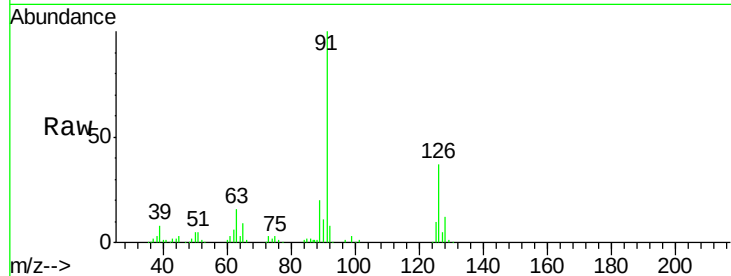
#79
 2-Chlorotoluene
 Concen: 5.10 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 40984
 Ion Ratio Lower Upper
 91 100
 126 36.7 18.2 54.6

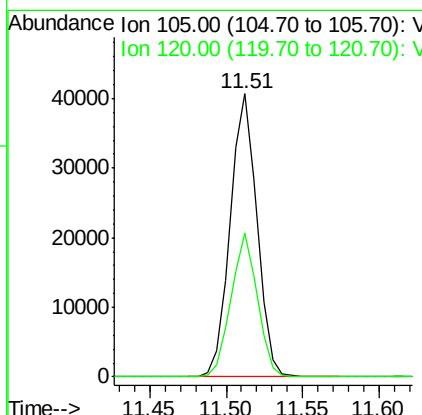
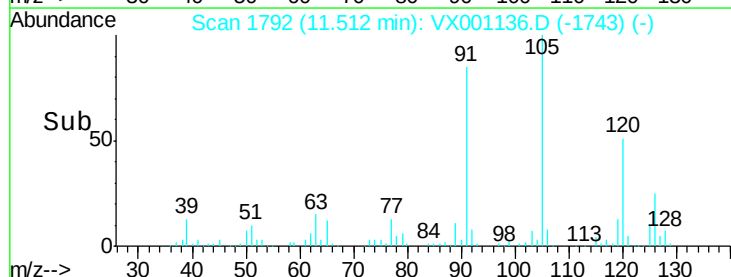
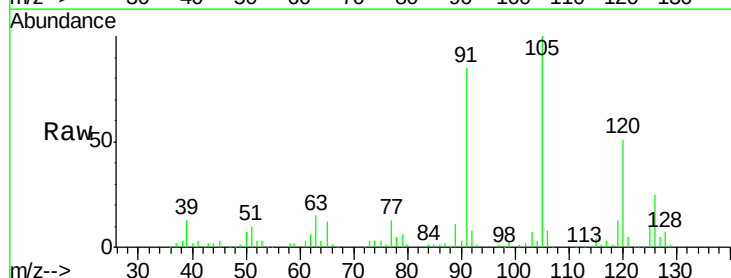
Manual Integrations
 APPROVED

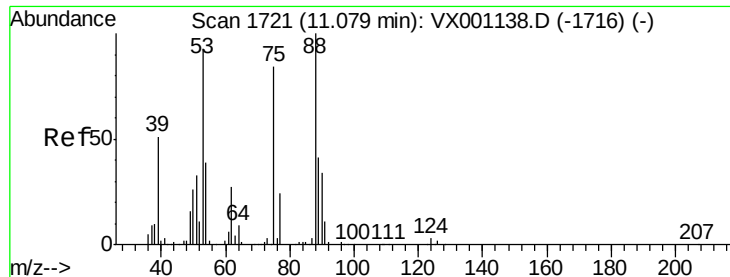
MMDadoda
 4/30/2018 6:03:25 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.91 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion: 105 Resp: 49234
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0





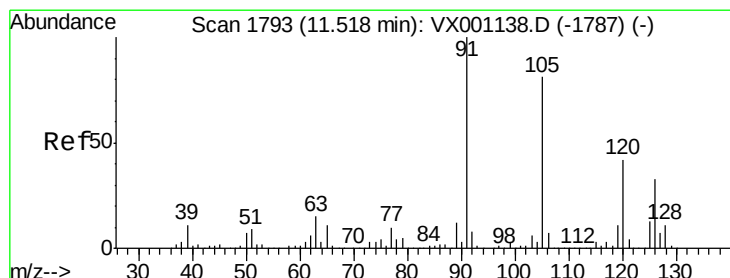
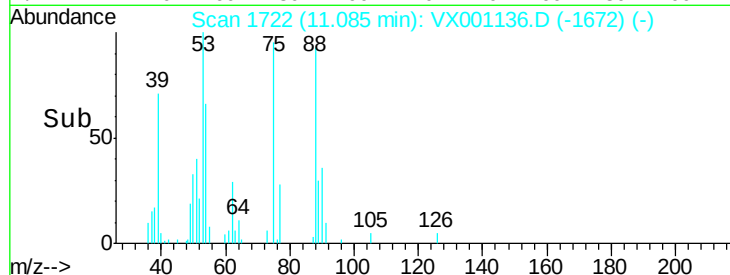
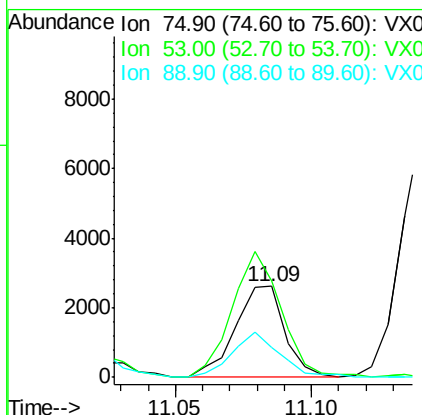
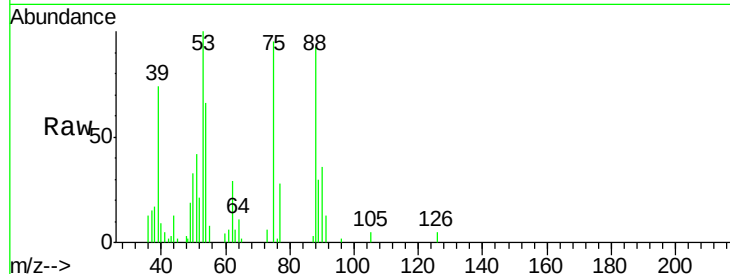
#81
trans-1,4-Dichloro-2-butene
Concen: 3.69 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.01 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 3328
Ion Ratio Lower Upper
75 100
53 136.3 87.9 131.9#
89 47.7 37.7 56.5

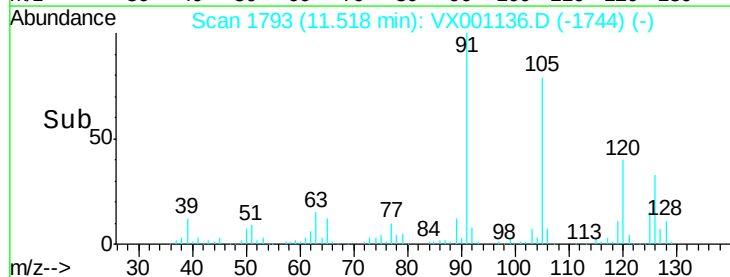
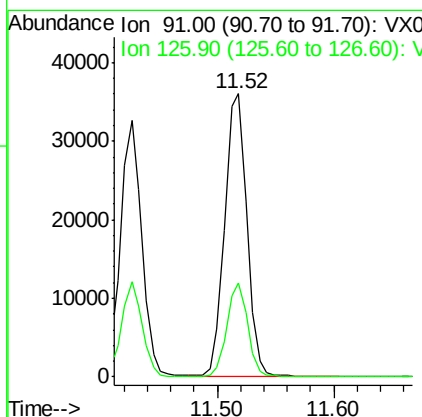
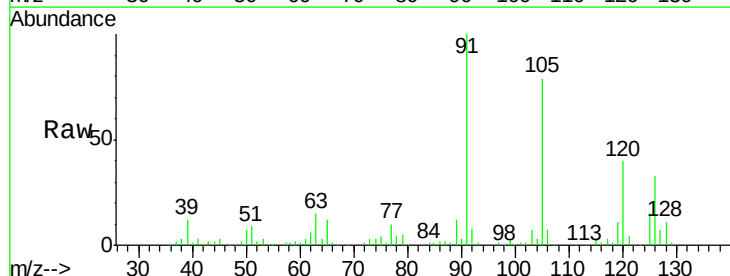
Manual Integrations
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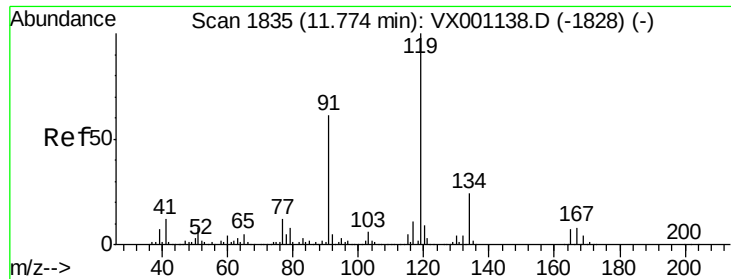
MMDadoda
4/30/2018 6:03:25 PM



#82
4-Chlorotoluene
Concen: 4.94 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001136.D
Acq: 26 Apr 2018 17:29

Tgt Ion: 91 Resp: 47933
Ion Ratio Lower Upper
91 100
126 31.0 15.8 47.4





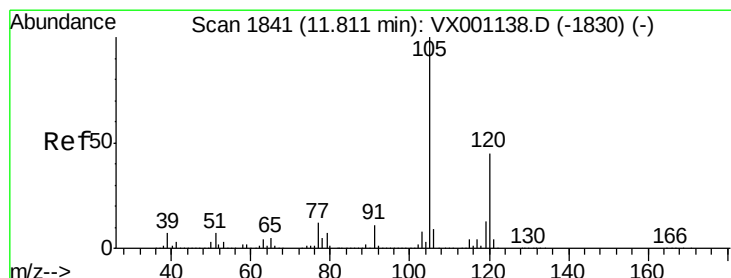
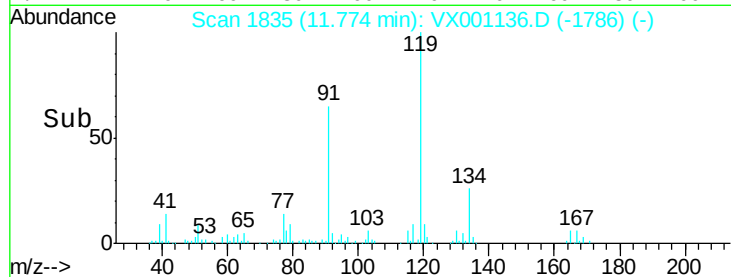
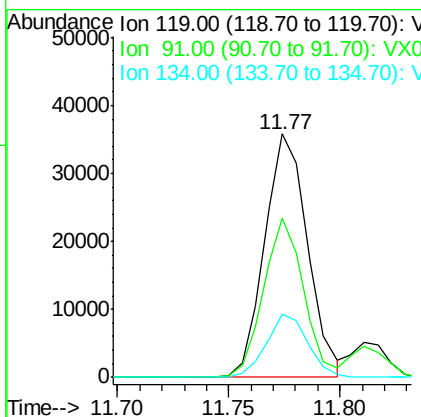
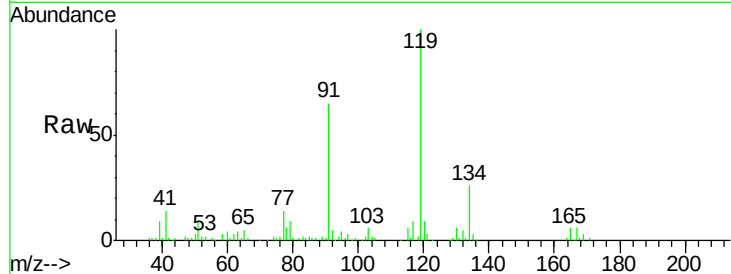
#83
 tert-Butylbenzene
 Concen: 4.74 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	27.6	82.8
134	25.1	11.5	34.5

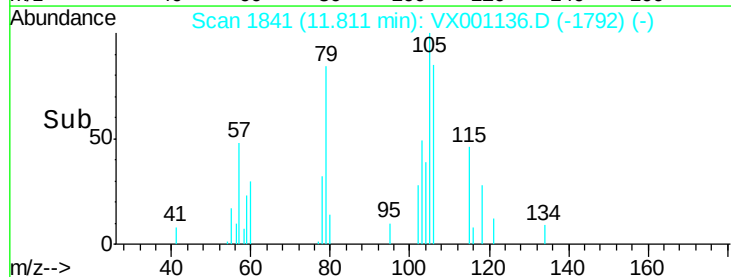
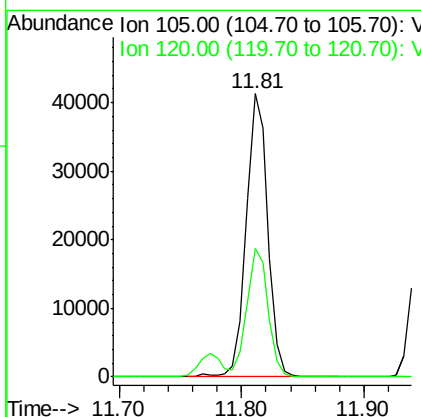
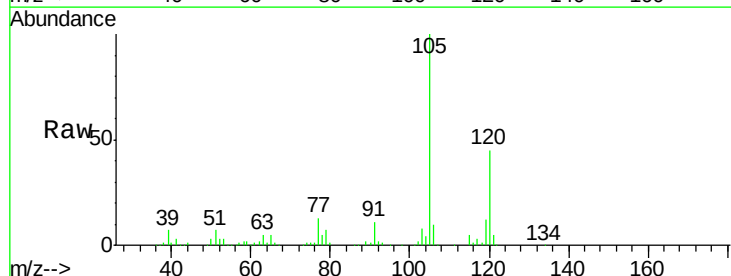
Manual Integrations
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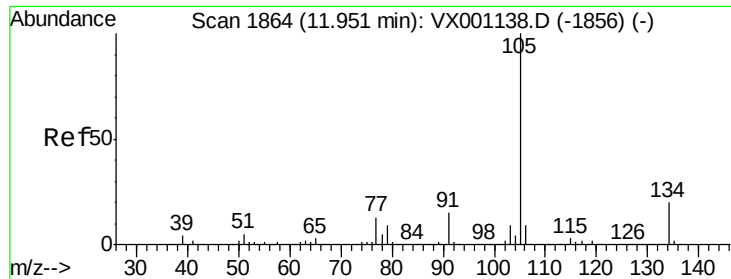
MMDadoda
 4/30/2018 6:03:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.90 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.3





#85

sec-Butylbenzene

Concen: 4.82 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 57916

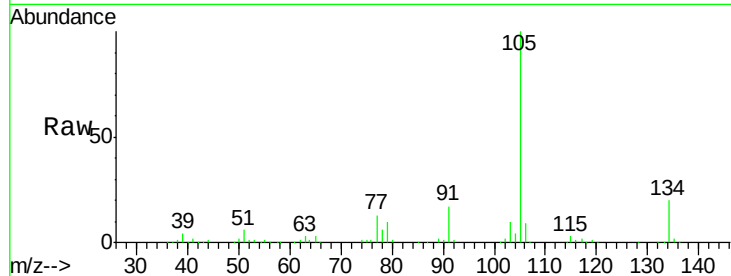
Ion Ratio Lower Upper

105 100

134 20.8 10.5 31.5

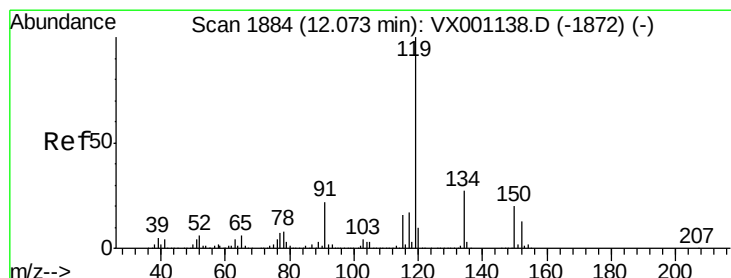
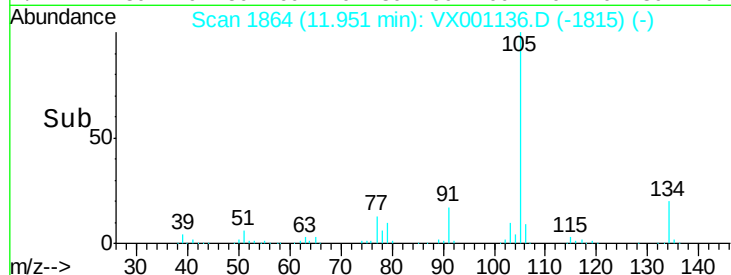
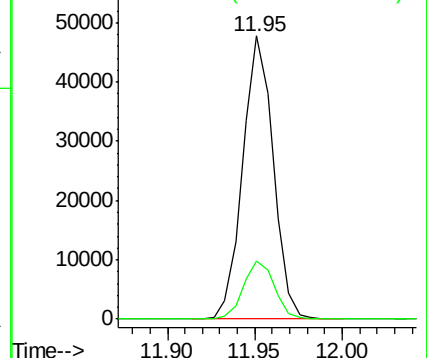
Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.79 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

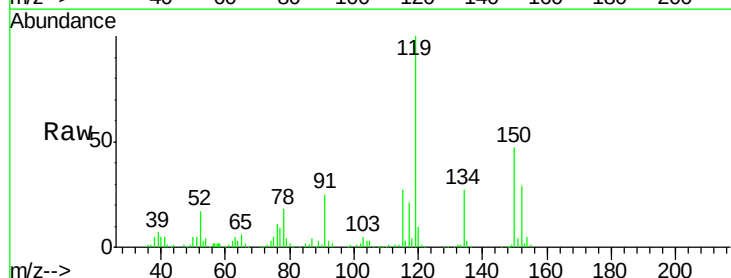
Tgt Ion:119 Resp: 53312

Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

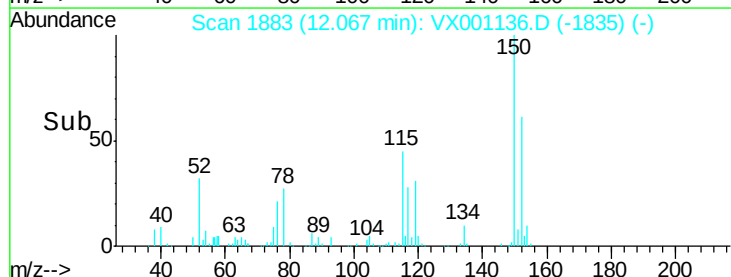
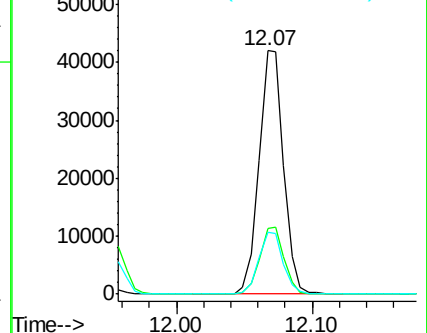
91 25.6 11.6 34.8

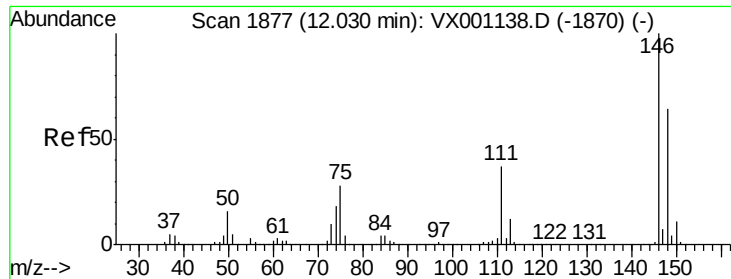


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





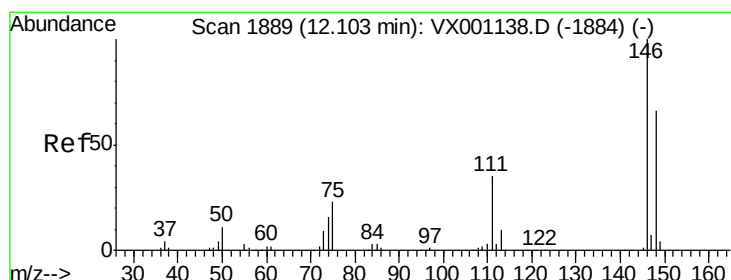
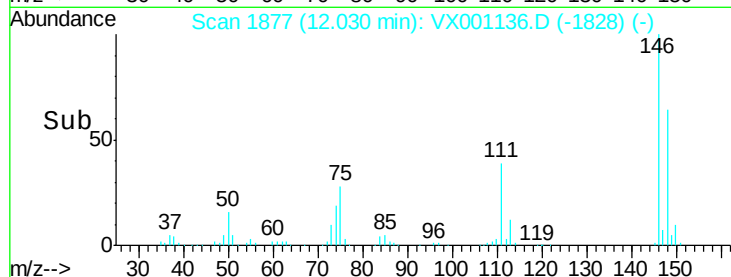
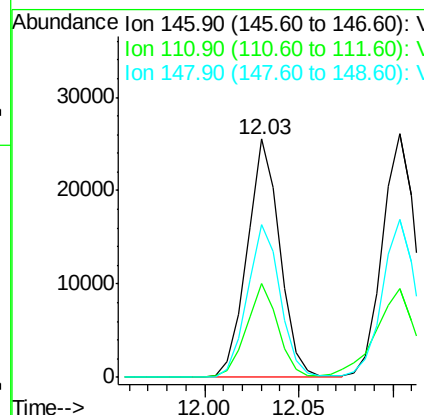
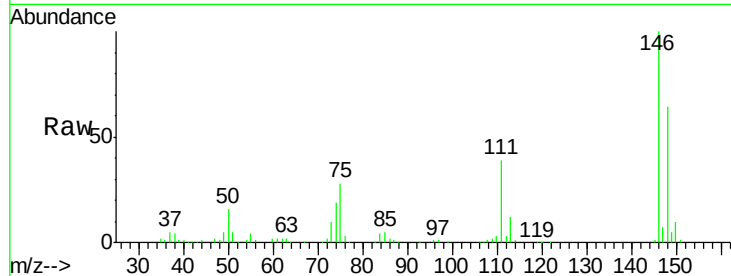
#87
 1,3-Dichlorobenzene
 Concen: 4.79 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	56.0
148	64.3	32.3	96.8

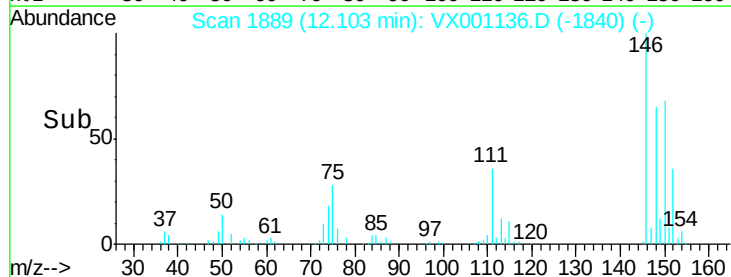
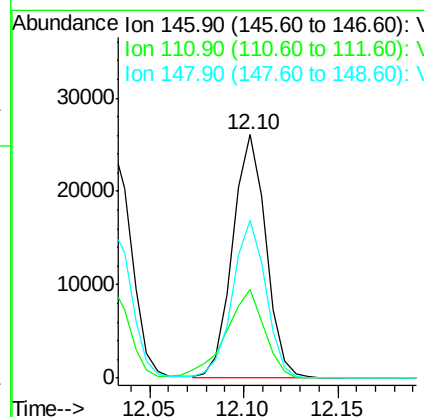
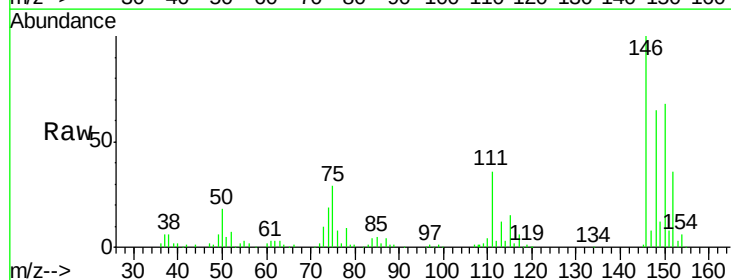
Manual Integrations
 APPROVED

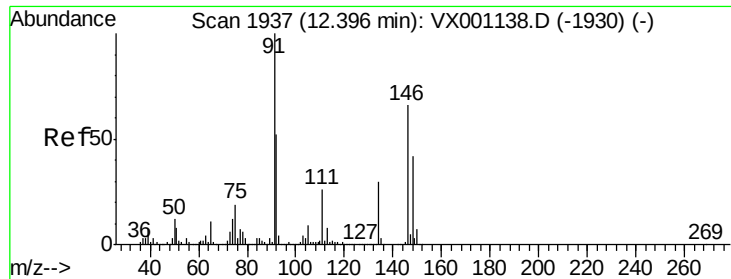
MMDadoda
 4/30/2018 6:03:25 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.85 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	18.0	54.0
148	65.5	32.5	97.5





#89

n-Butylbenzene

Concen: 4.50 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

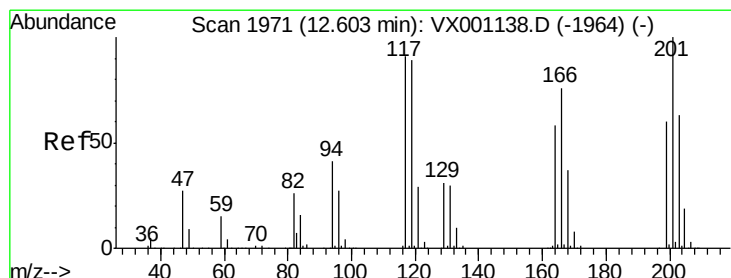
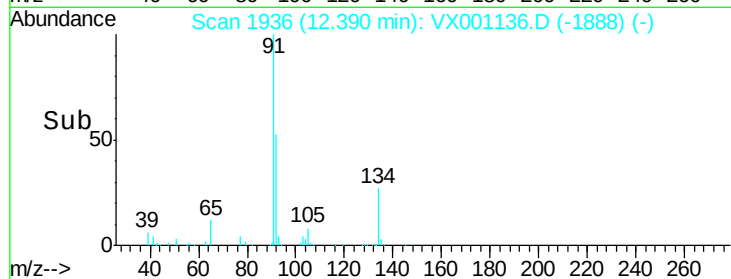
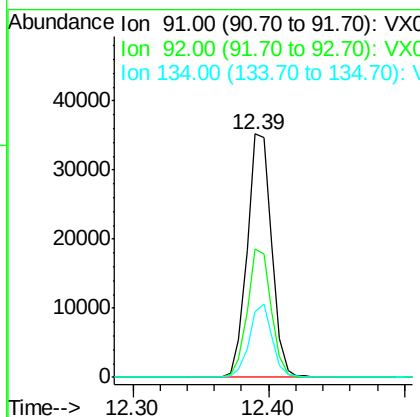
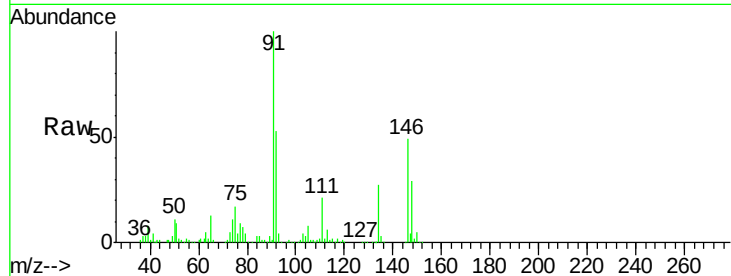
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	44382
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.2	78.6
134	28.1	14.1	42.3

Manual Integrations
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#90

Hexachloroethane

Concen: 4.18 ug/l

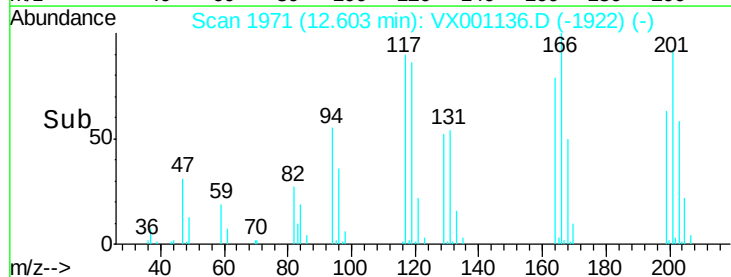
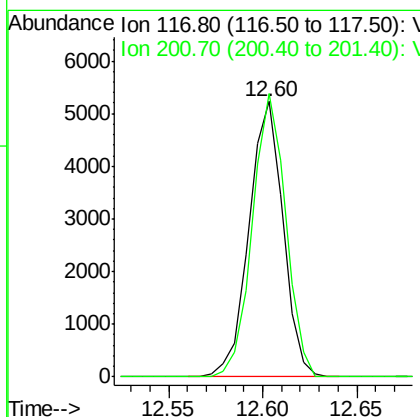
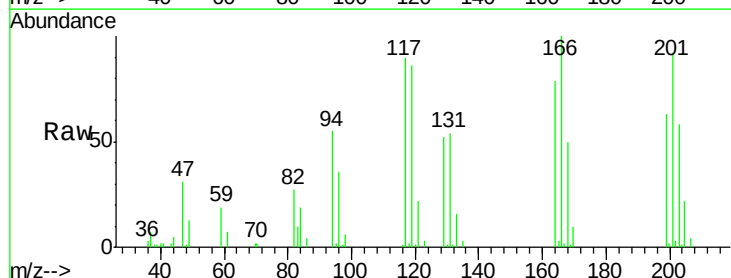
RT: 12.60 min Scan# 1971

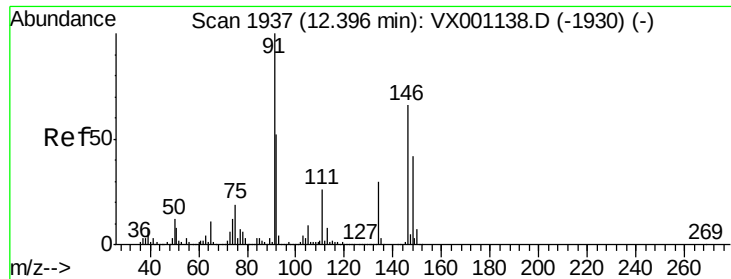
Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion:	117	Resp:	6571
Ion	Ratio	Lower	Upper
117	100		
201	100.3	51.8	155.4





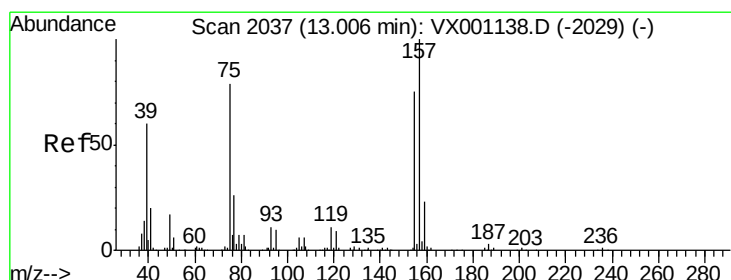
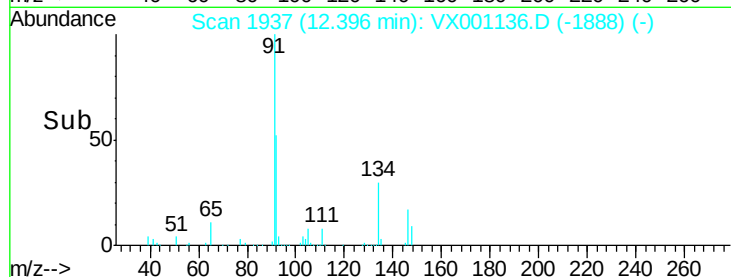
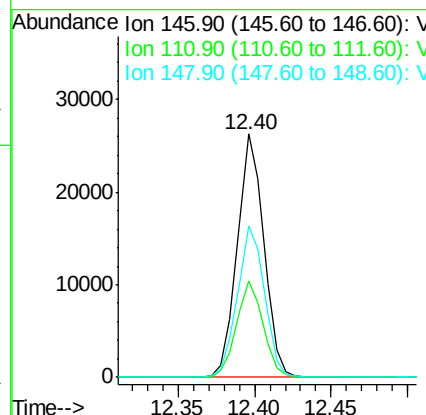
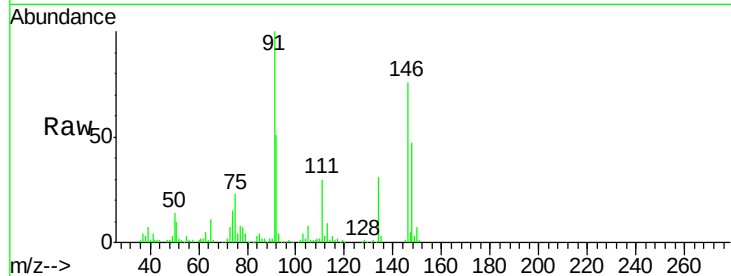
#91
 1,2-Dichlorobenzene
 Concen: 5.07 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.3
148	63.5	32.2	96.6

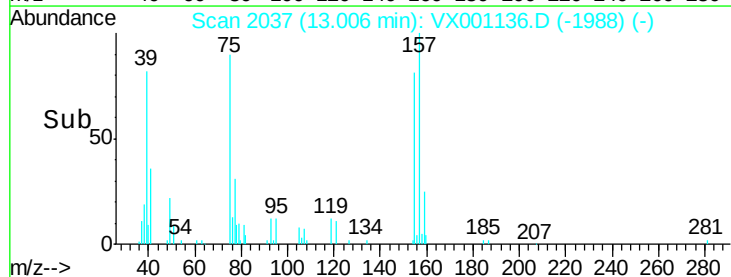
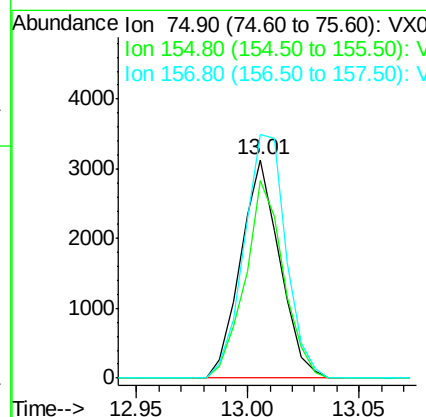
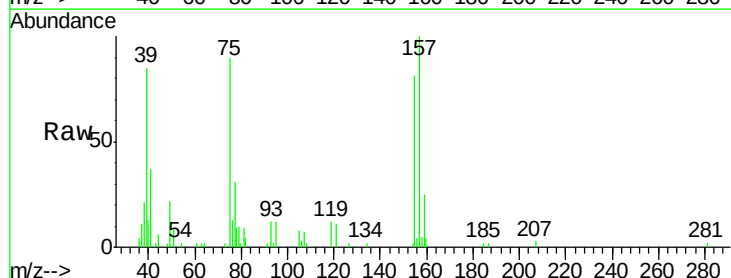
Manual Integrations
 APPROVED

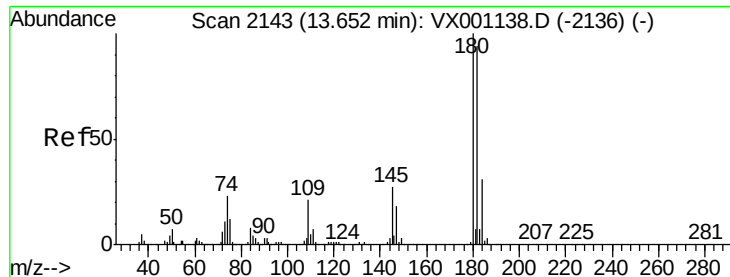
MMDadoda
 4/30/2018 6:03:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.22 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	48.4	145.3
157	119.8	62.7	188.1





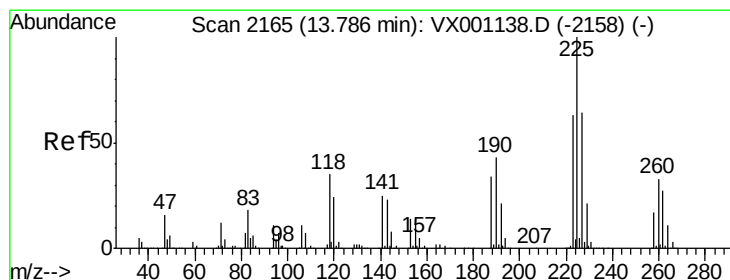
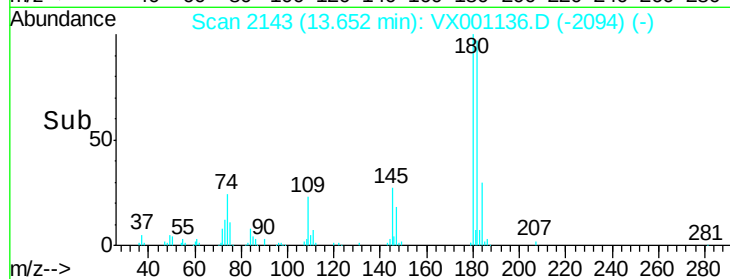
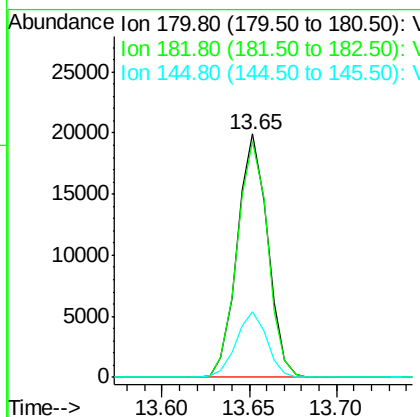
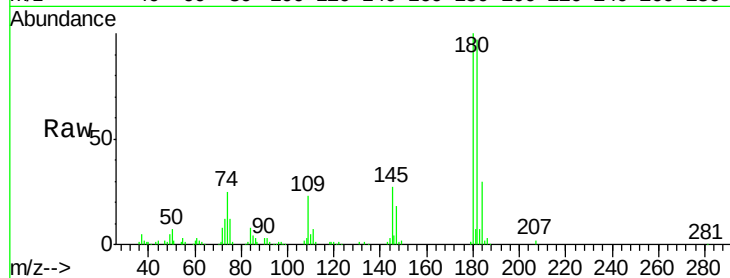
#93
 1,2,4-Trichlorobenzene
 Concen: 4.65 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	24098		
182	97.6	47.9	143.6	
145	27.2	13.8	41.4	

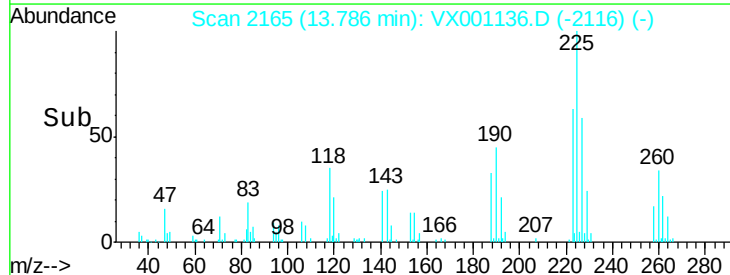
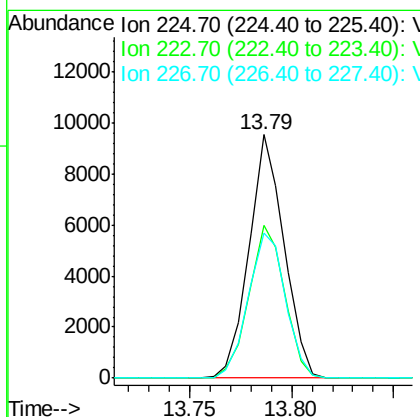
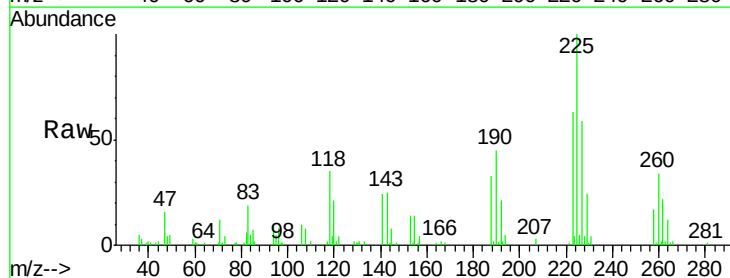
Manual Integrations
 APPROVED

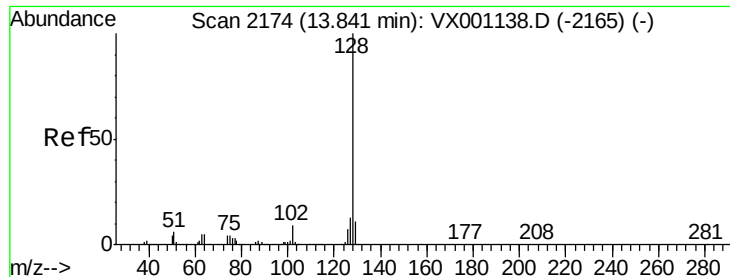
MMDadoda
 4/30/2018 6:03:25 PM



#94
 Hexachlorobutadiene
 Concen: 4.83 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001136.D
 Acq: 26 Apr 2018 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11426		
223	63.8	31.3	93.9	
227	62.7	32.2	96.6	





#95

Naphthalene

Concen: 5.11 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Instrument :

MSVOA_X

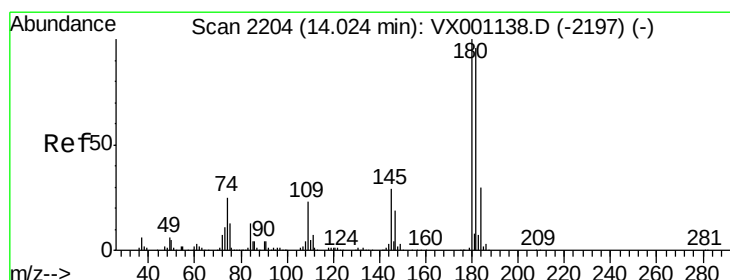
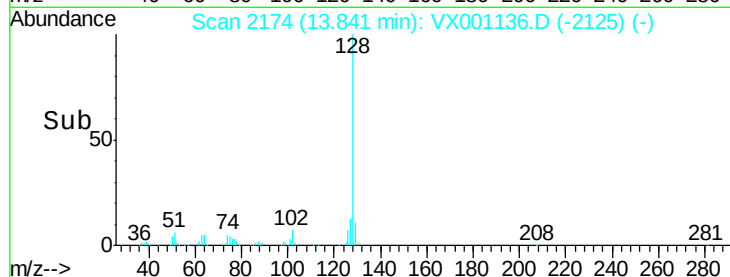
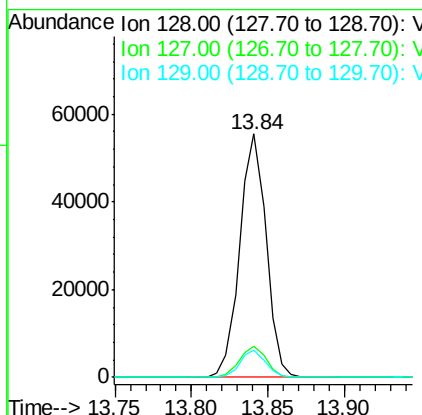
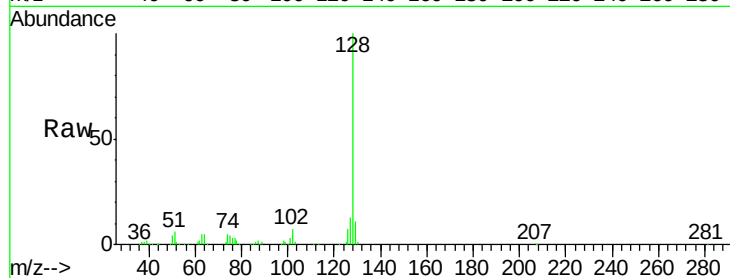
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	66501
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:03:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.85 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001136.D

Acq: 26 Apr 2018 17:29

Tgt Ion:	180	Resp:	24452
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.2	144.6
145	28.5	14.5	43.5

