

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002042.D
 Acq On : 27 May 2018 02:32
 Operator : JC/MD
 Sample : VX0526WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:13 PM

Quant Time: May 28 04:17:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	358317	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208145	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
35) Dibromofluoromethane	5.51	113	160554	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
50) Toluene-d8	8.72	98	590256	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
62) 4-Bromofluorobenzene	11.14	95	224243	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59747	17.73	ug/l	99
3) Chloromethane	1.32	50	75121	19.47	ug/l	98
4) Vinyl Chloride	1.40	62	75425	20.25	ug/l	100
5) Bromomethane	1.64	94	48426	27.82	ug/l	97
6) Chloroethane	1.73	64	48620	22.14	ug/l	99
7) Trichlorofluoromethane	1.93	101	121727	21.76	ug/l	98
8) Diethyl Ether	2.19	74	46967	23.14	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	66918	21.44	ug/l	98
10) Methyl Iodide	2.51	142	84839	20.09	ug/l	98
11) Tert butyl alcohol	3.08	59	108544	123.39	ug/l	99
12) 1,1-Dichloroethene	2.37	96	62050	21.23	ug/l	96
13) Acrolein	2.30	56	29490	77.53	ug/l	96
14) Allyl chloride	2.73	41	130493	21.27	ug/l	99
15) Acrylonitrile	3.15	53	209273	115.69	ug/l	100
16) Acetone	2.45	43	199650	115.43	ug/l	99
17) Carbon Disulfide	2.57	76	164296	19.53	ug/l	99
18) Methyl Acetate	2.78	43	106609	25.02	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	252183	22.94	ug/l	99
20) Methylene Chloride	2.86	84	71907	23.12	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	67156	22.74	ug/l	99
22) Diisopropyl ether	3.88	45	253211	20.29	ug/l	99
23) Vinyl Acetate	3.83	43	1106789	106.99	ug/l	98
24) 1,1-Dichloroethane	3.70	63	128525	21.68	ug/l	99
25) 2-Butanone	4.71	43	315636	99.57	ug/l	99
26) 2,2-Dichloropropane	4.59	77	72973	12.16	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	74871	19.65	ug/l	99
28) Bromochloromethane	5.02	49	56637	21.58	ug/l	99
29) Tetrahydrofuran	5.17	42	202358	98.12	ug/l	99
30) Chloroform	5.22	83	129888	19.45	ug/l	98
31) Cyclohexane	5.58	56	113216	18.33	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	118645	19.06	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90314	18.12	ug/l	99
37) Ethyl Acetate	4.87	43	123344	18.98	ug/l	99
38) Carbon Tetrachloride	5.79	117	103967	17.89	ug/l	100

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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)
39) Methylcyclohexane	7.46	83	109215	17.84	ug/l	94
40) Benzene	6.15	78	277636	19.01	ug/l	100
41) Methacrylonitrile	5.07	41	70194	19.64	ug/l	98
42) 1,2-Dichloroethane	6.20	62	112238	19.24	ug/l	100
43) Isopropyl Acetate	6.47	43	204684	18.91	ug/l	100
44) Trichloroethene	7.22	130	78622	18.48	ug/l	94
45) 1,2-Dichloropropane	7.52	63	76327	19.25	ug/l	98
46) Dibromomethane	7.67	93	51376	19.57	ug/l	99
47) Bromodichloromethane	7.90	83	100946	18.03	ug/l	98
48) Methyl methacrylate	7.78	41	103961	18.87	ug/l	99
49) 1,4-Dioxane	7.76	88	40808	420.26	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	648893	99.42	ug/l	99
52) Toluene	8.79	92	178510	19.21	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	111990	17.37	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	106444	16.94	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	74793	19.27	ug/l	99
56) Ethyl methacrylate	9.19	69	124285	18.61	ug/l	99
57) 1,3-Dichloropropane	9.38	76	124512	19.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	291278	98.42	ug/l	100
59) 2-Hexanone	9.50	43	495261	98.42	ug/l	100
60) Dibromochloromethane	9.59	129	82468	17.94	ug/l	99
61) 1,2-Dibromoethane	9.68	107	78781	19.34	ug/l	99
64) Tetrachloroethene	9.34	164	90626	19.19	ug/l	98
65) Chlorobenzene	10.14	112	197936	18.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	78474	18.62	ug/l	99
67) Ethyl Benzene	10.26	91	344702	19.01	ug/l	99
68) m/p-Xylenes	10.37	106	259523	37.45	ug/l	99
69) o-Xylene	10.70	106	132235	19.11	ug/l	100
70) Styrene	10.72	104	215099	18.74	ug/l	100
71) Bromoform	10.86	173	65887	16.49	ug/l	100
73) Isopropylbenzene	11.02	105	352778	19.60	ug/l	99
74) N-amyl acetate	6.47	43	204684	20.03	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	109377	21.50	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	113655m	22.26	ug/l	
77) Bromobenzene	11.26	156	94139	19.71	ug/l	97
78) n-propylbenzene	11.37	91	382583	18.98	ug/l	100
79) 2-Chlorotoluene	11.43	91	236322	19.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	292278	19.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	31800	14.97	ug/l	93
82) 4-Chlorotoluene	11.51	91	269667	18.97	ug/l	100
83) tert-Butylbenzene	11.77	119	290349	19.23	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	300714	18.92	ug/l	100
85) sec-Butylbenzene	11.95	105	345074	19.02	ug/l	100
86) p-Isopropyltoluene	12.07	119	306027	18.85	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	164372	19.22	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	163288	19.10	ug/l	100
89) n-Butylbenzene	12.39	91	247031	17.95	ug/l	99
90) Hexachloroethane	12.60	117	54820	17.12	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	170643	19.58	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	27898	17.43	ug/l	99

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VX0526WBSD02

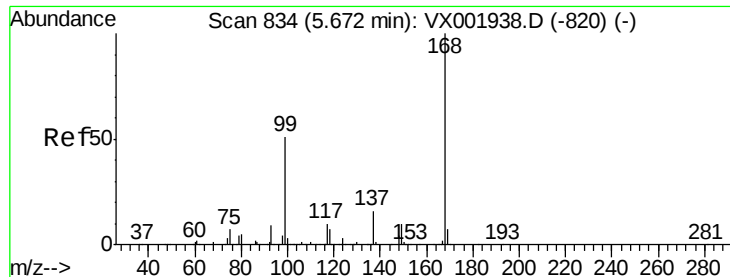
Manual Integrations
APPROVED

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5/30/2018 1:50:13 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	113942	18.29	ug/l	98
94) Hexachlorobutadiene	13.79	225	61132	18.24	ug/l	99
95) Naphthalene	13.84	128	372311	19.39	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	122631	19.02	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion:168 Resp: 250716

Ion Ratio Lower Upper

168 100

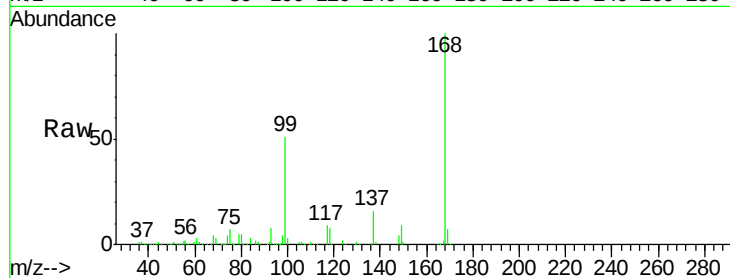
99 51.3 41.0 61.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

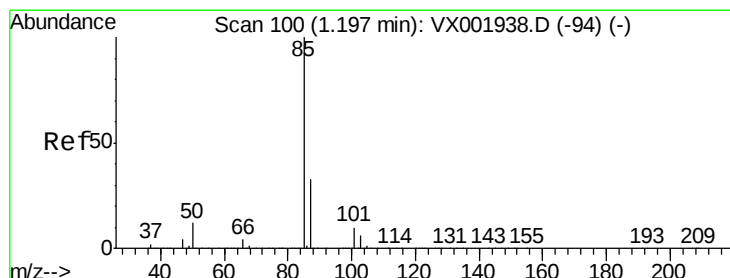
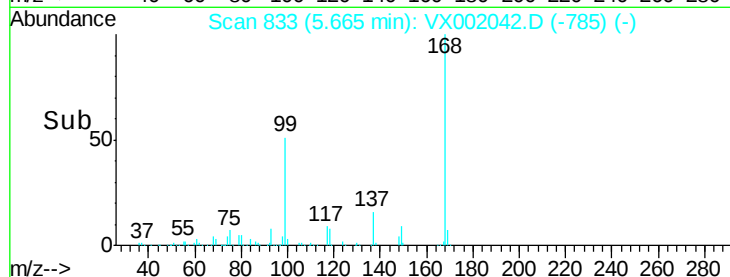
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.73 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002042.D

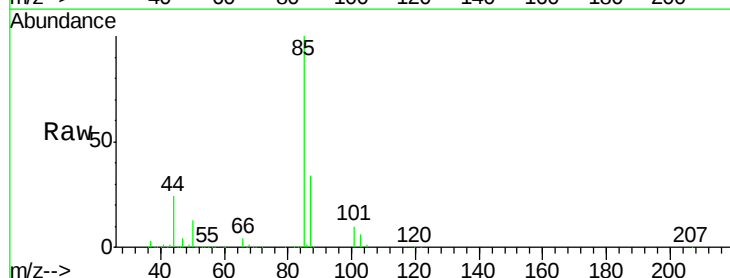
Acq: 27 May 2018 02:32

Tgt Ion: 85 Resp: 59747

Ion Ratio Lower Upper

85 100

87 33.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

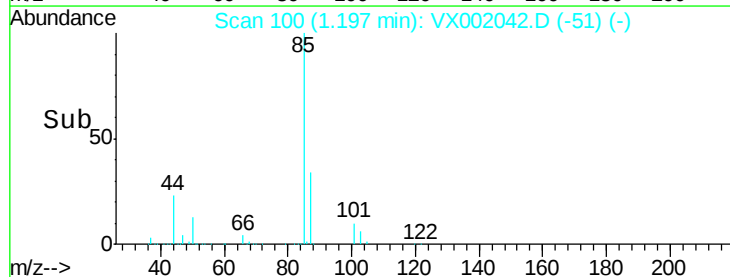
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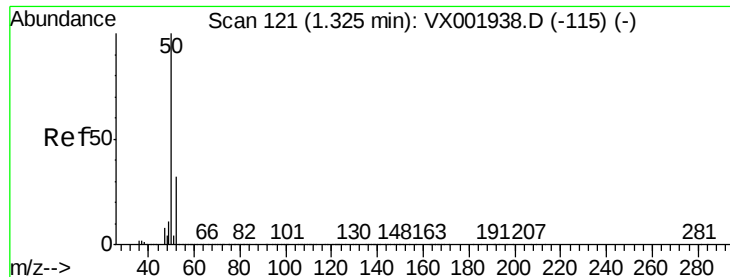
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0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 19.47 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 50 Resp: 75121

Ion Ratio Lower Upper

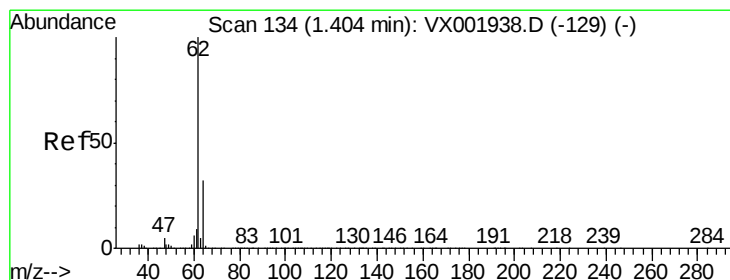
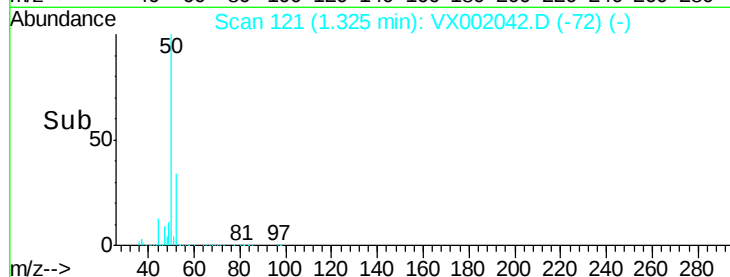
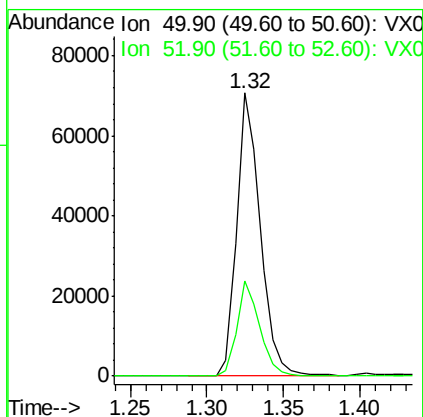
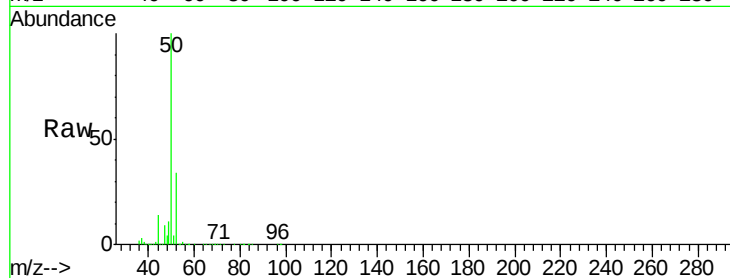
50 100

52 33.8 26.0 39.0

Manual Integrations
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5/30/2018 1:50:13 PM



#4

Vinyl Chloride

Concen: 20.25 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002042.D

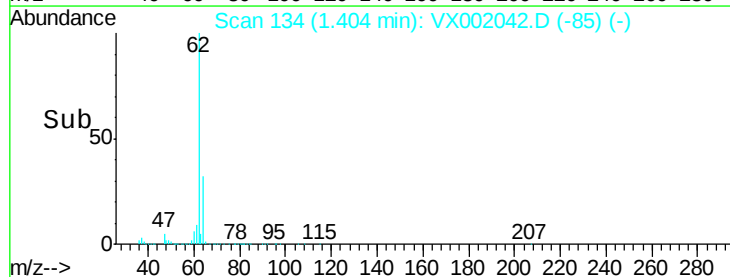
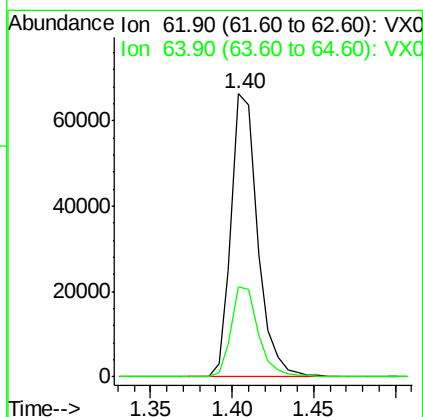
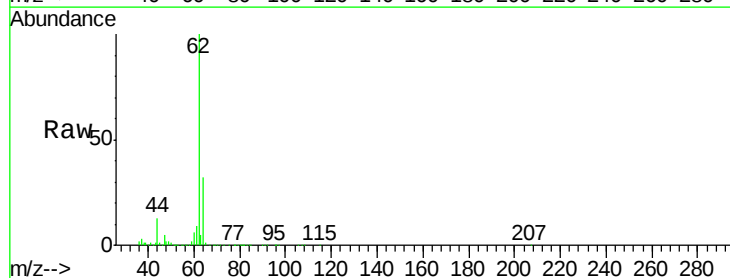
Acq: 27 May 2018 02:32

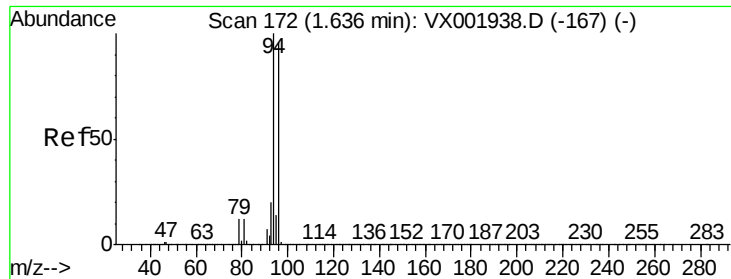
Tgt Ion: 62 Resp: 75425

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 27.82 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 94 Resp: 48426

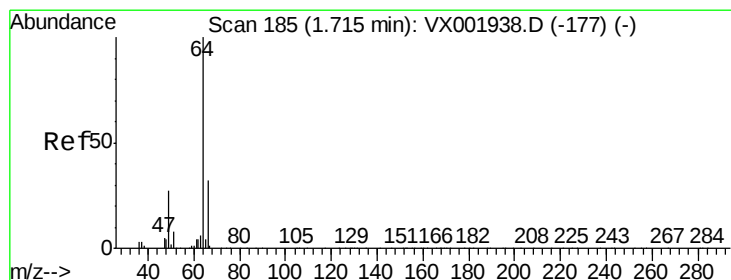
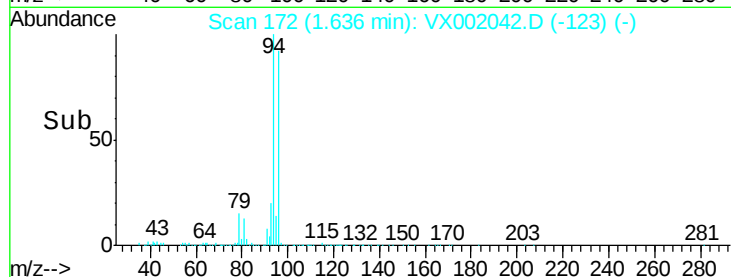
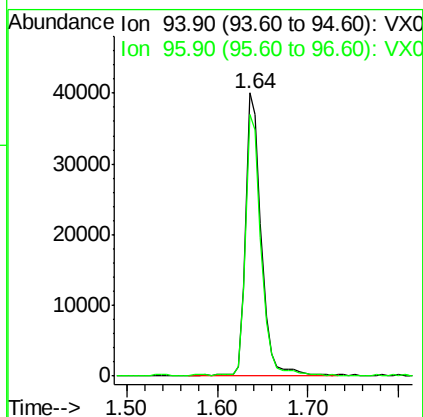
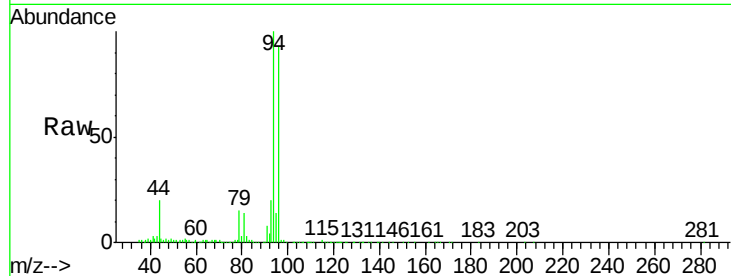
Ion Ratio Lower Upper

94 100

96 92.3 75.9 113.9

Manual Integrations
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5/30/2018 1:50:13 PM



#6

Chloroethane

Concen: 22.14 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX002042.D

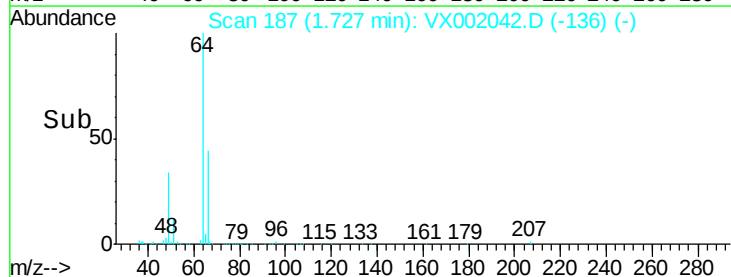
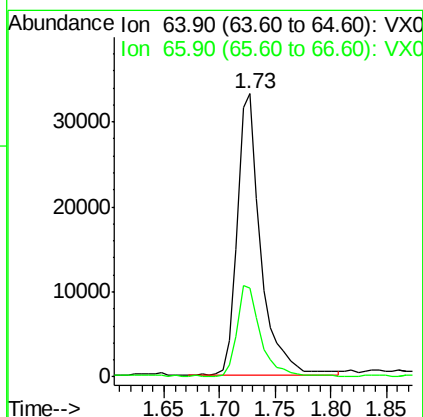
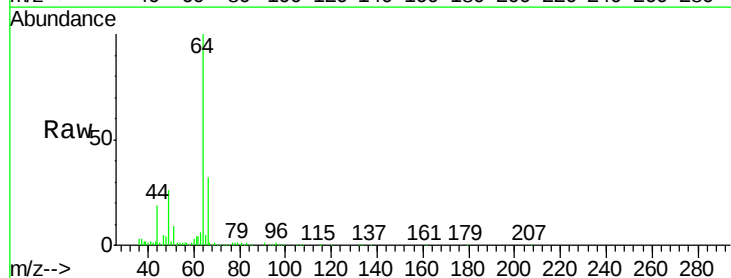
Acq: 27 May 2018 02:32

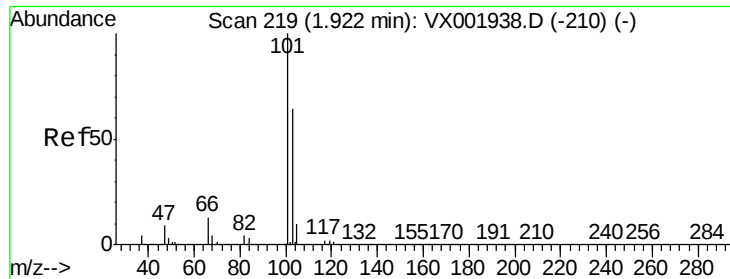
Tgt Ion: 64 Resp: 48620

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

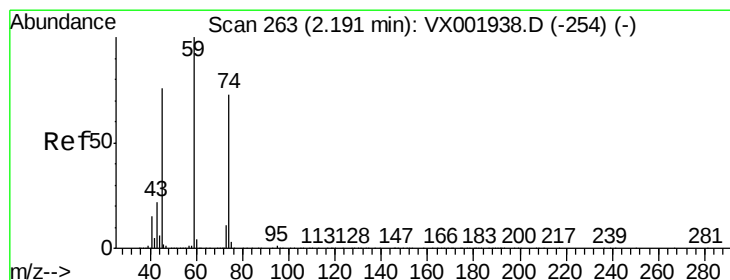
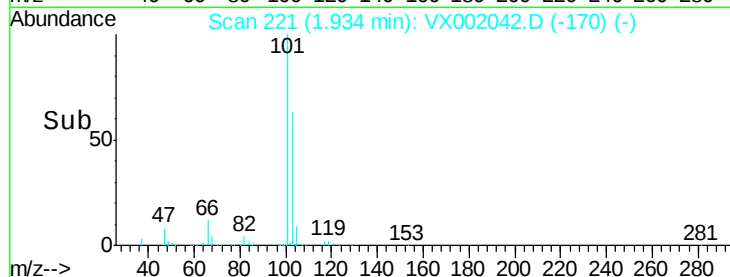
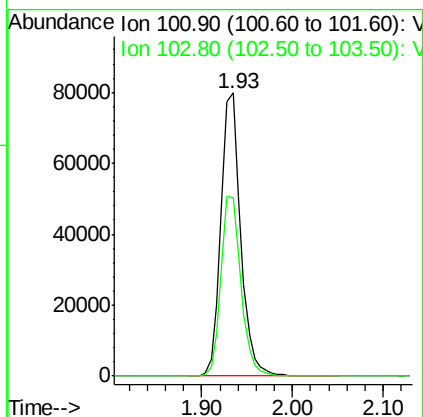
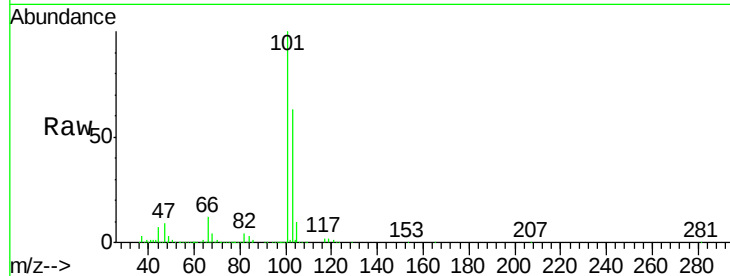
Trichlorofluoromethane
Concen: 21.76 ug/l
RT: 1.93 min Scan# 221
Delta R.T. 0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

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VX0526WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		121727		
103	62.9	51.4	77.0		

Manual Integrations
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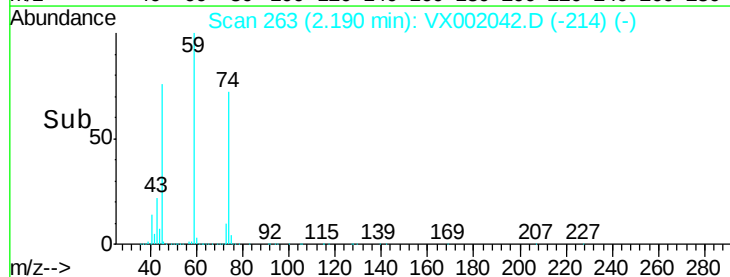
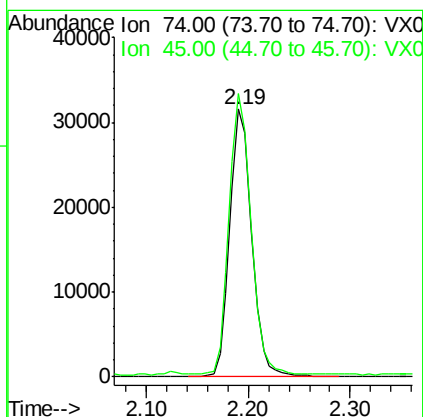
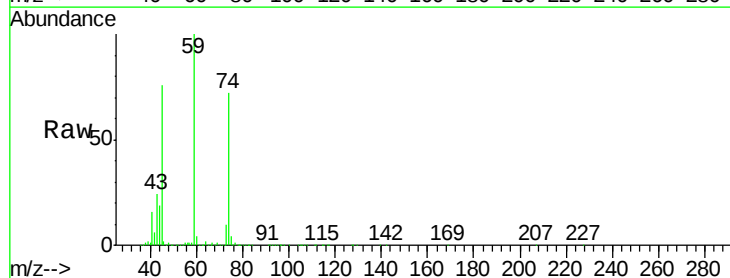
MMDadoda
5/30/2018 1:50:13 PM

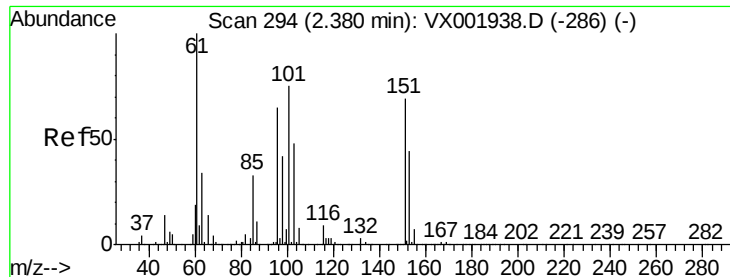


#8

Diethyl Ether
Concen: 23.14 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		46967		
45	103.2	51.5	154.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.44 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

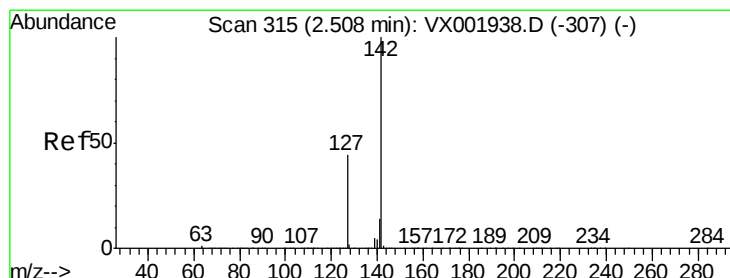
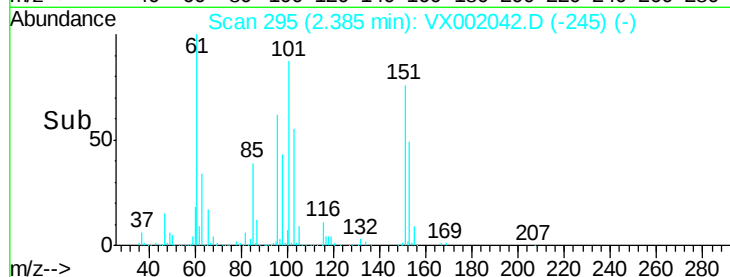
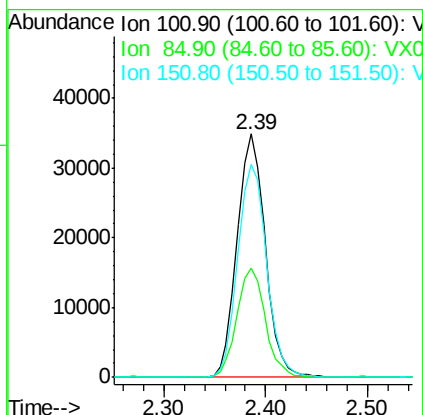
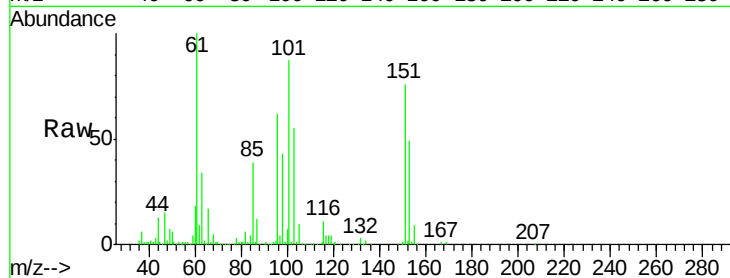
ClientSampleId :

VX0526WBSD02

Tot Ion:	101	Resp:	66918
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.6	53.4
151	89.7	73.2	109.8

Manual Integrations
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5/30/2018 1:50:13 PM



#10

Methyl Iodide

Concen: 20.09 ug/l

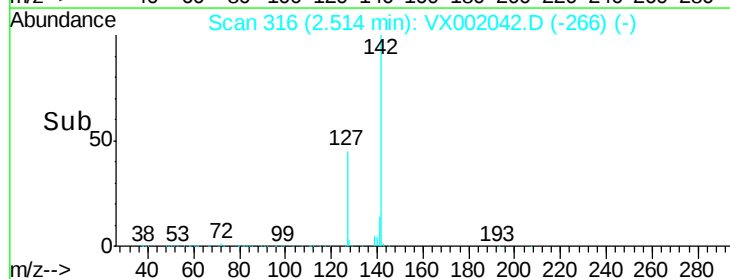
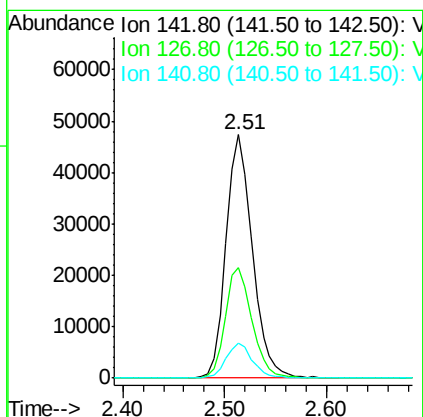
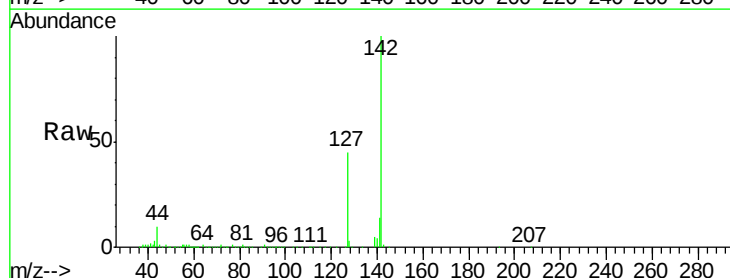
RT: 2.51 min Scan# 316

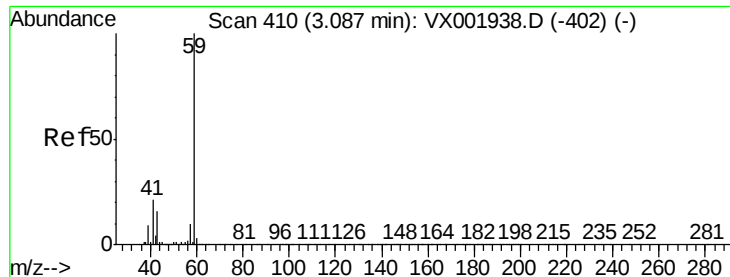
Delta R.T. 0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion:	142	Resp:	84839
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.5	53.3
141	14.6	11.3	16.9





#11

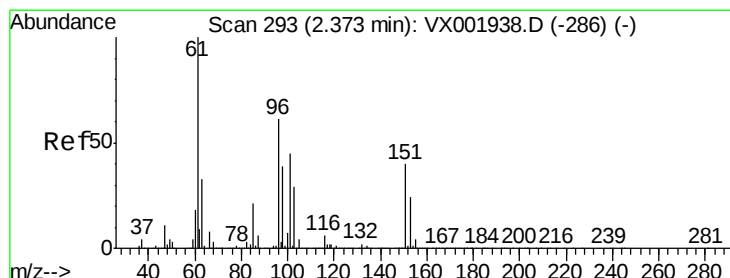
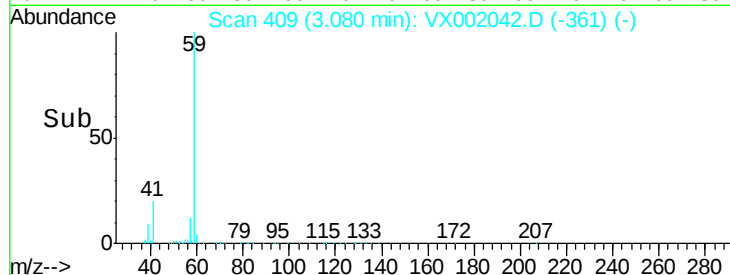
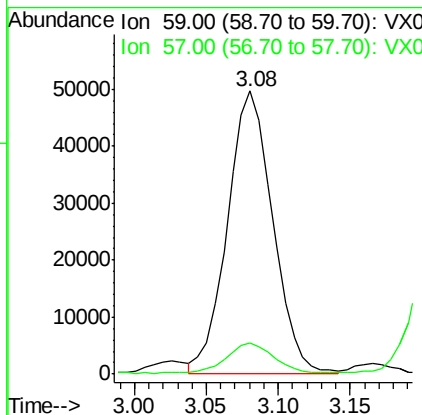
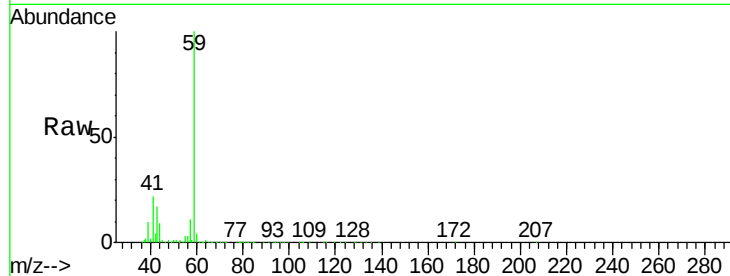
Tert butyl alcohol
Concen: 123.39 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.9	13.3

Manual Integrations
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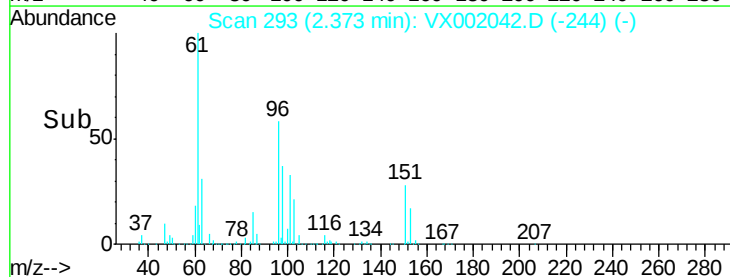
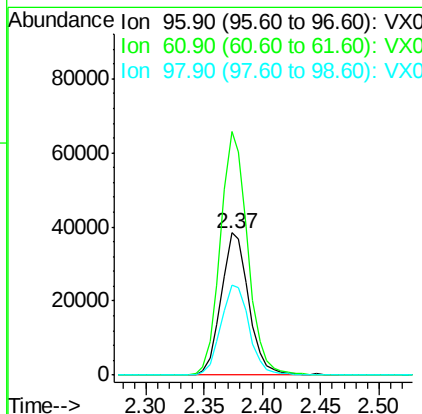
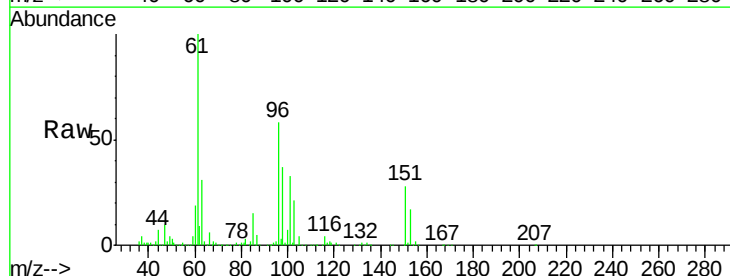
MMDadoda
5/30/2018 1:50:13 PM

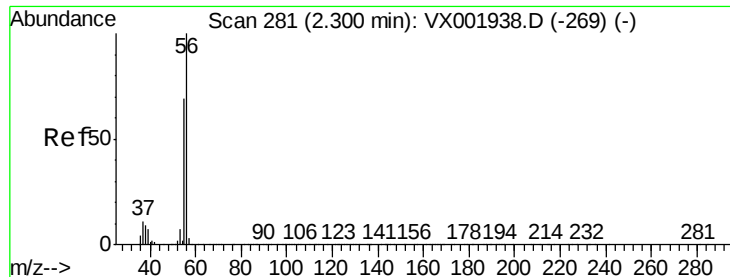


#12

1,1-Dichloroethene
Concen: 21.23 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.5	131.7	197.5
98	63.4	51.6	77.4





#13

Acrolein

Concen: 77.53 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 56 Resp: 29490

Ion Ratio Lower Upper

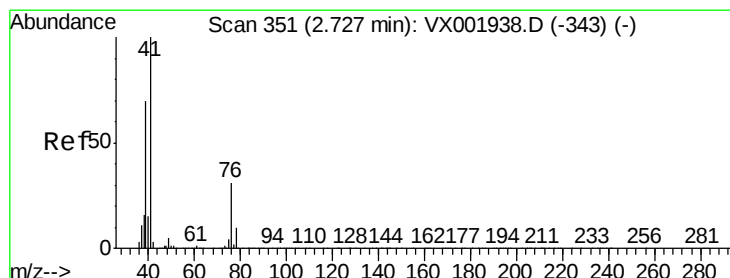
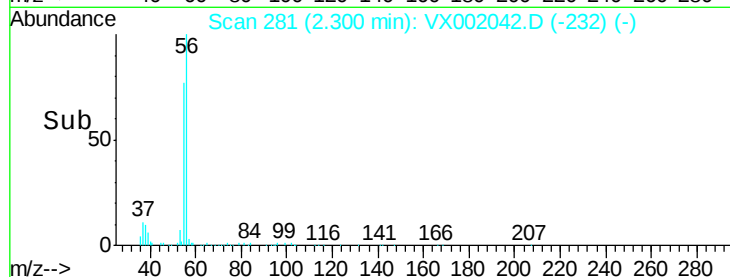
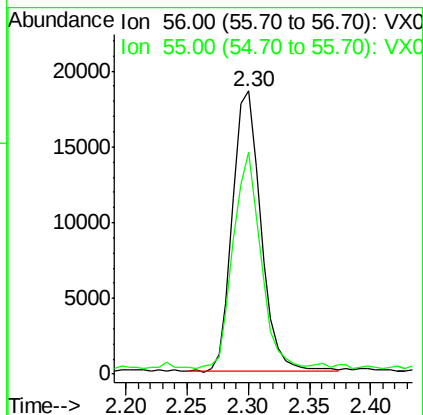
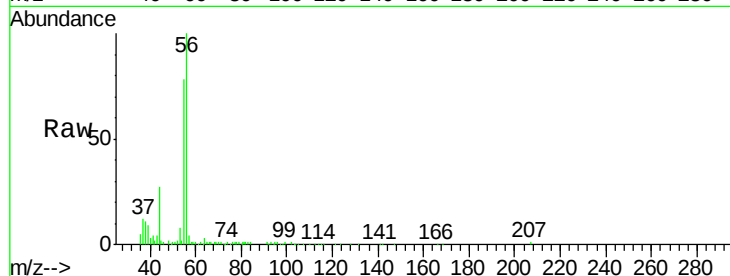
56 100

55 74.6 56.8 85.2

Manual Integrations
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#14

Allyl chloride

Concen: 21.27 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

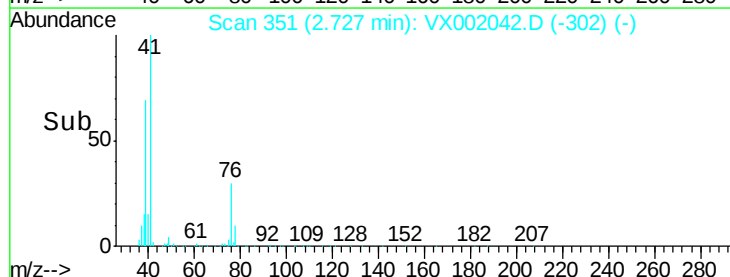
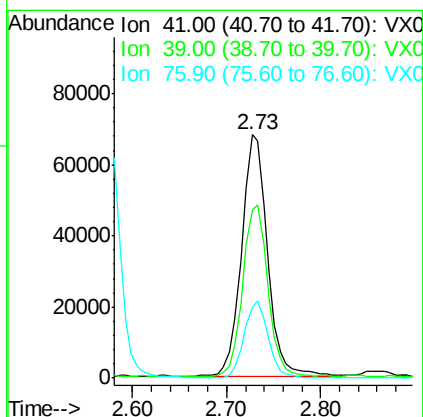
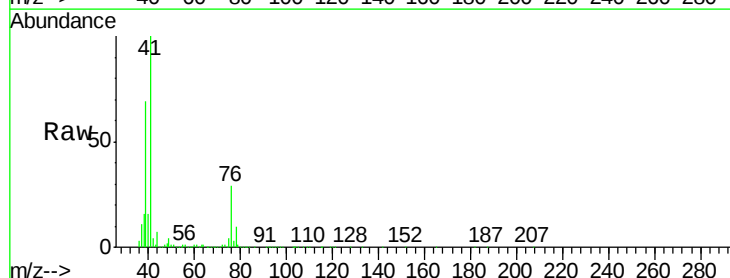
Tgt Ion: 41 Resp: 130493

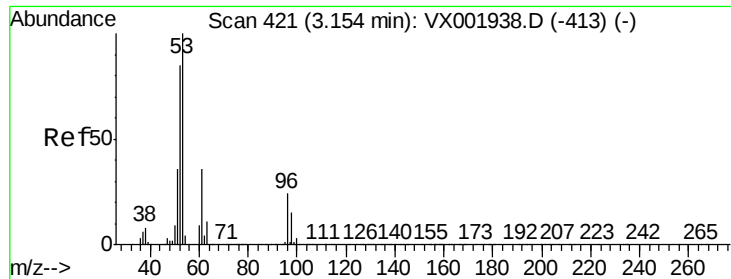
Ion Ratio Lower Upper

41 100

39 68.8 54.3 81.5

76 29.5 24.2 36.4





#15

Acrylonitrile

Concen: 115.69 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002042.D

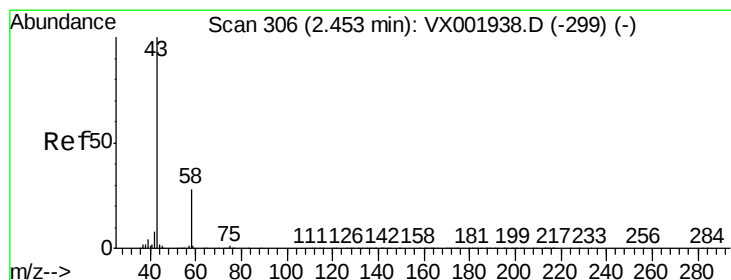
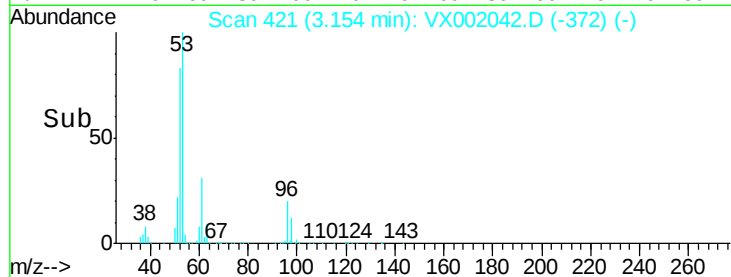
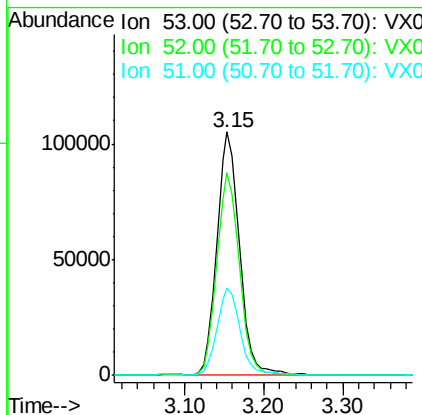
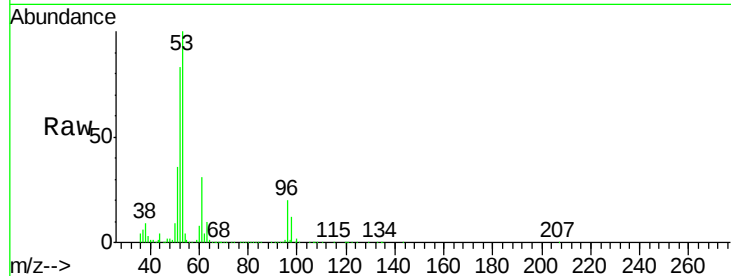
Acq: 27 May 2018 02:32

Tot Ion	53	Resp	209273
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.4	99.6
51	36.7	29.3	43.9

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Manual Integrations
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#16

Acetone

Concen: 115.43 ug/l

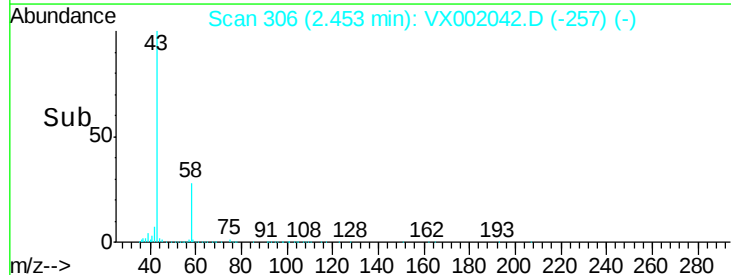
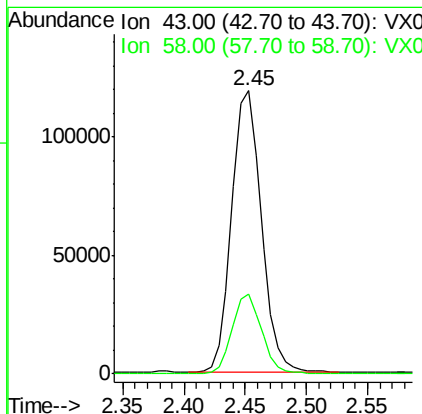
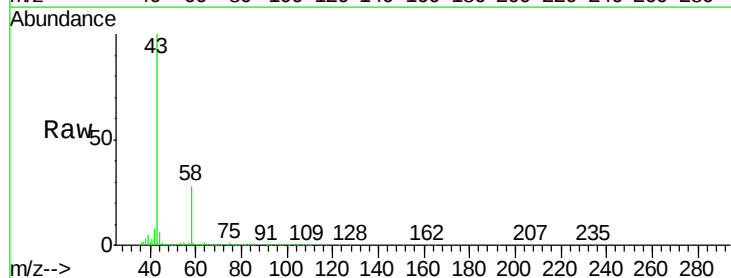
RT: 2.45 min Scan# 306

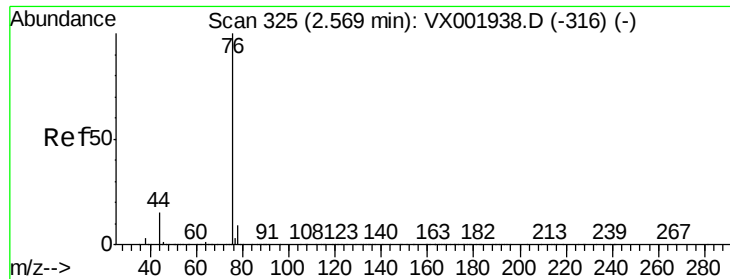
Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion	43	Resp	199650
Ion Ratio	Lower	Upper	
43	100		
58	28.3	22.3	33.5





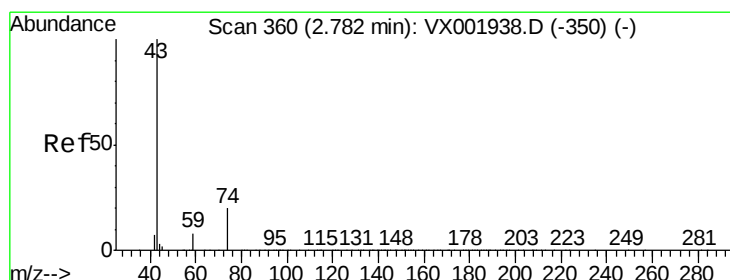
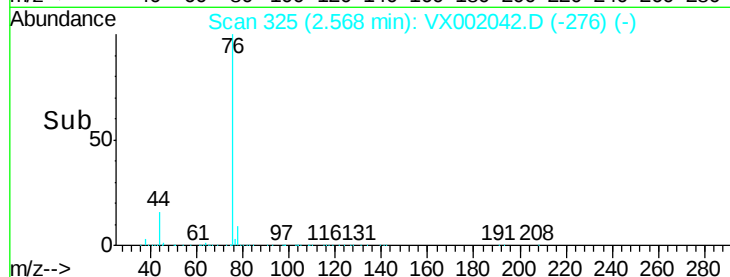
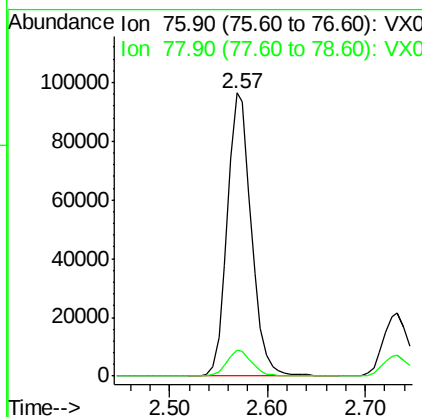
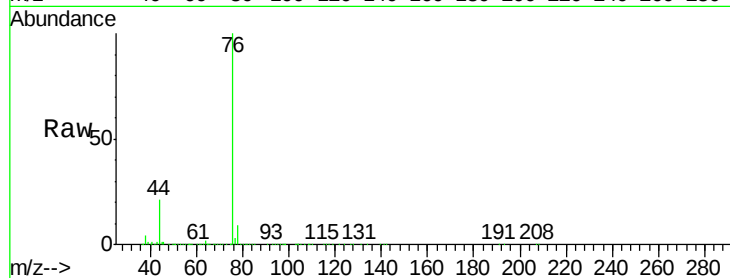
#17
Carbon Disulfide
Concen: 19.53 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

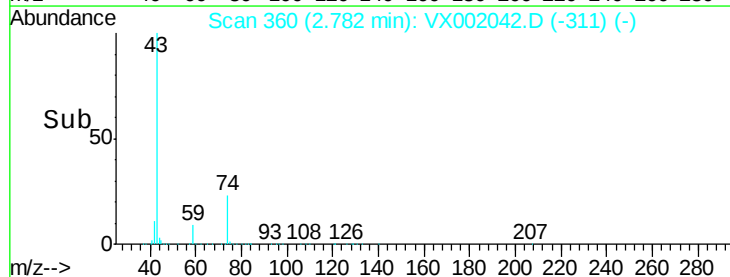
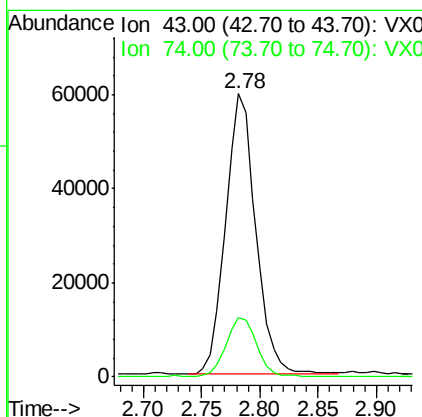
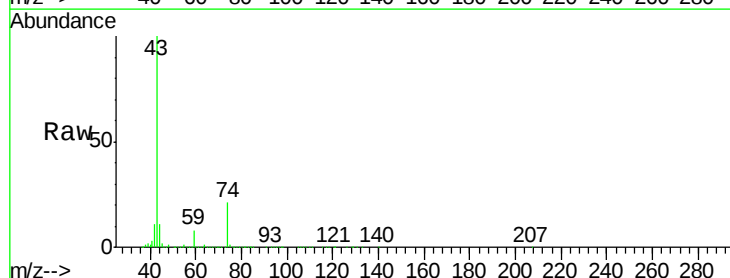
Manual Integrations
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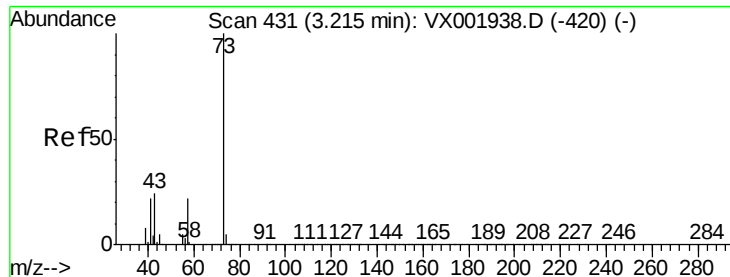
MMDadoda
5/30/2018 1:50:13 PM



#18
Methyl Acetate
Concen: 25.02 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.8	25.2





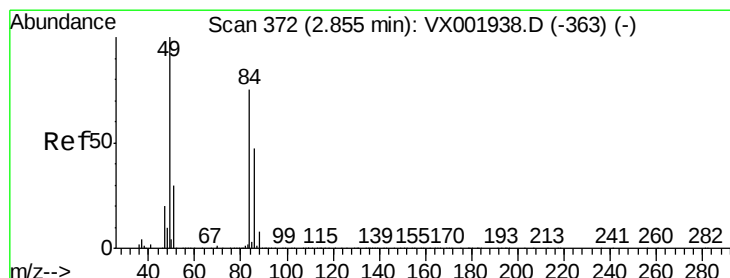
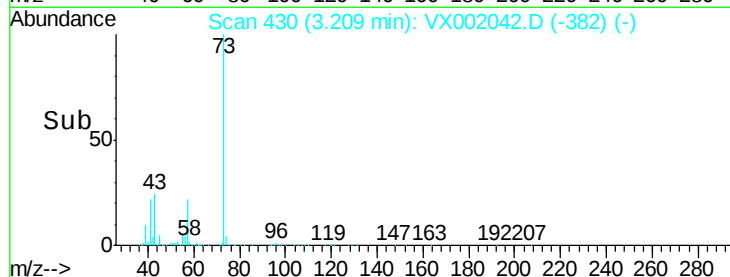
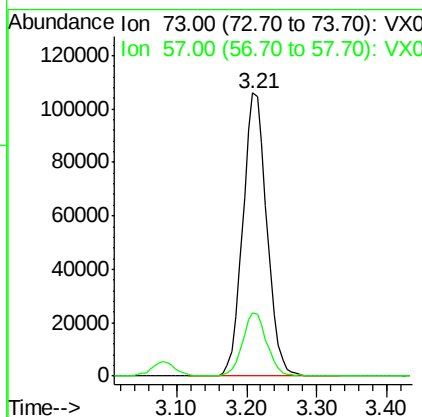
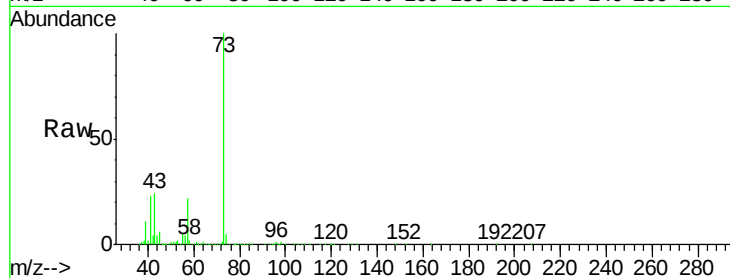
#19
Methvl tert-butvl Ether
Concen: 22.94 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0

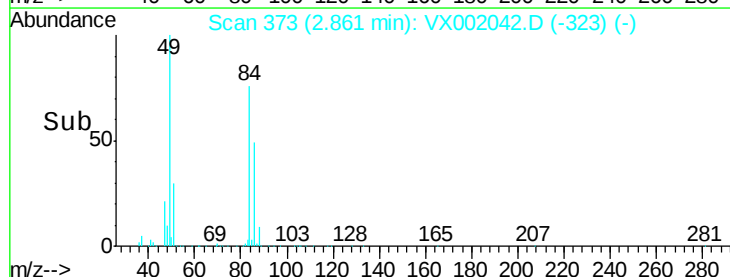
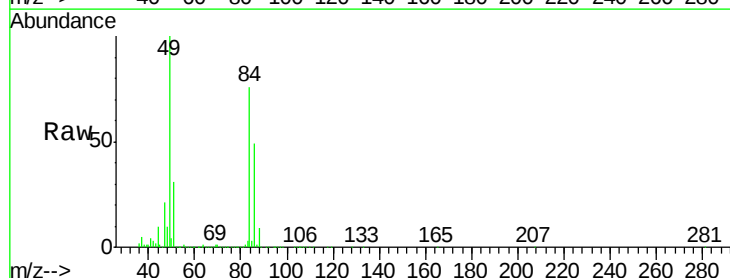
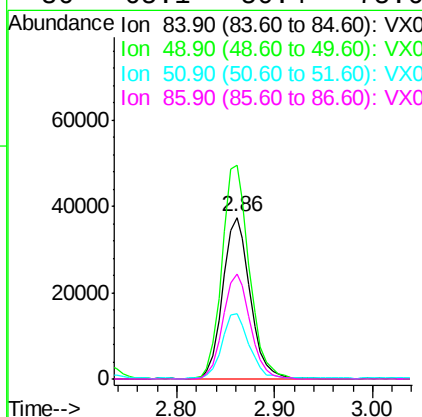
Manual Integrations
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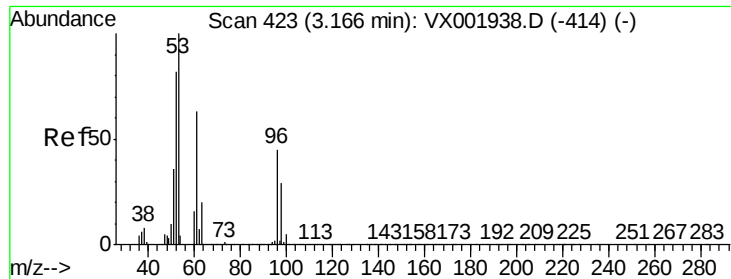
MMDadoda
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#20
Methylene Chloride
Concen: 23.12 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.4	107.2	160.8
51	40.0	32.4	48.6
86	65.1	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 22.74 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

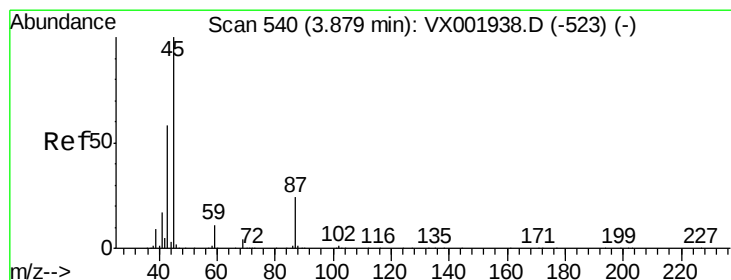
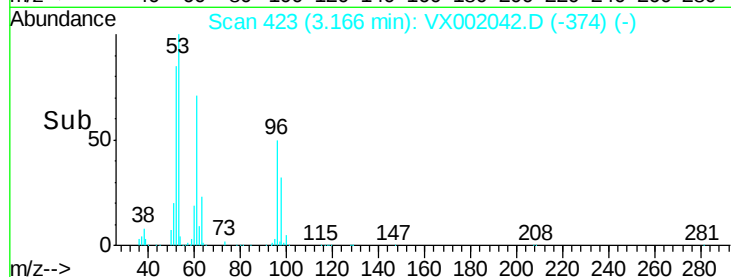
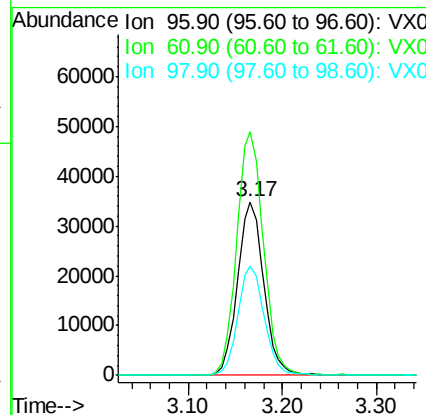
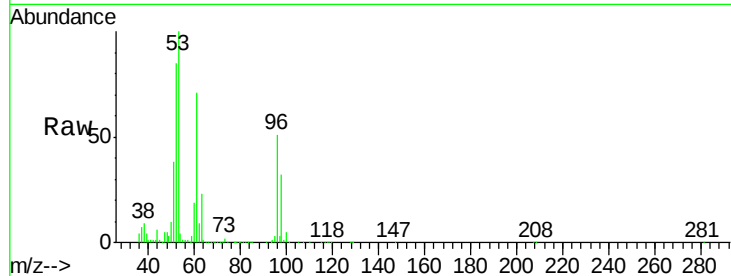
ClientSampleId :

VX0526WBSD02

Tot Ion:	96	Resp:	67156
Ion	Ratio	Lower	Upper
96	100		
61	140.5	113.3	169.9
98	62.9	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.29 ug/l

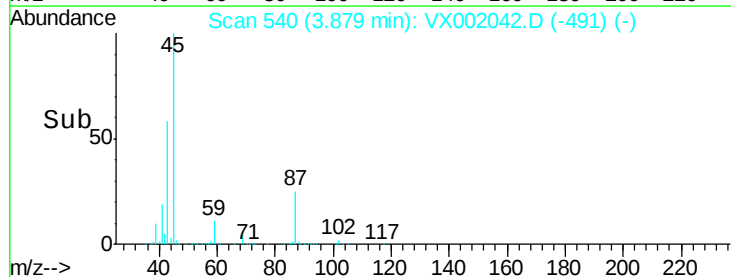
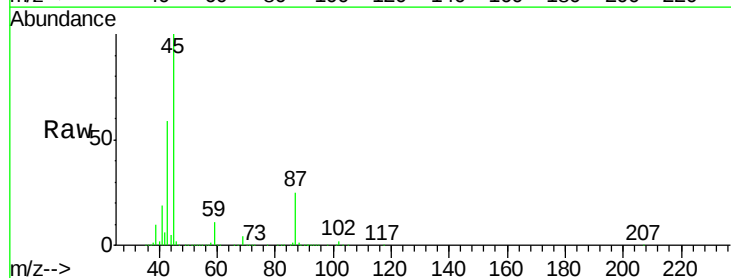
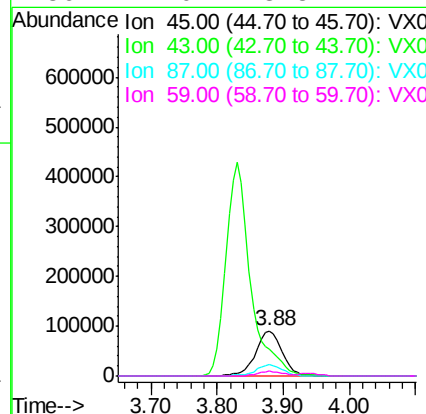
RT: 3.88 min Scan# 540

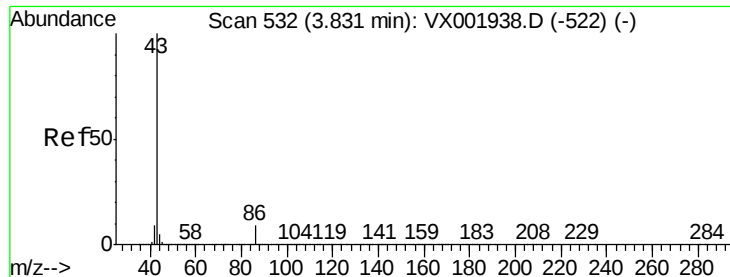
Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion:	45	Resp:	253211
Ion	Ratio	Lower	Upper
45	100		
43	58.4	47.0	70.6
87	24.6	19.4	29.0
59	11.0	8.5	12.7





#23

Vinyl Acetate

Concen: 106.99 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 43 Resp: 1106789

Ion Ratio Lower Upper

43 100

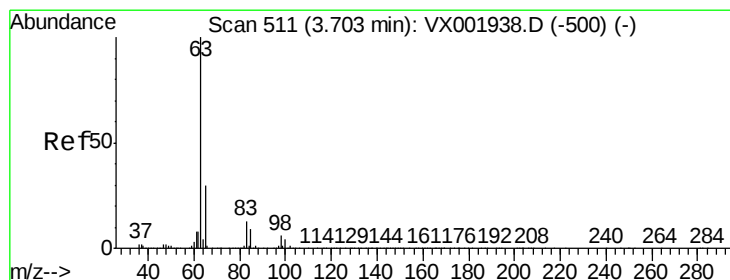
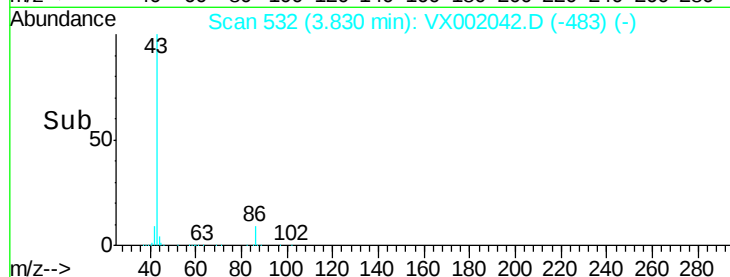
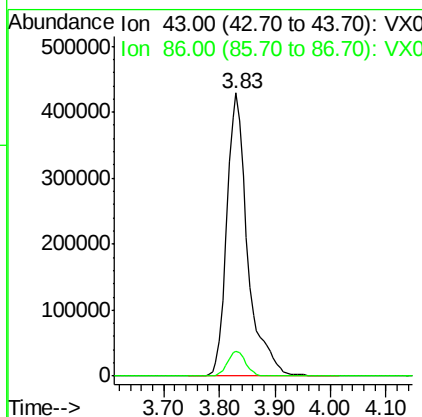
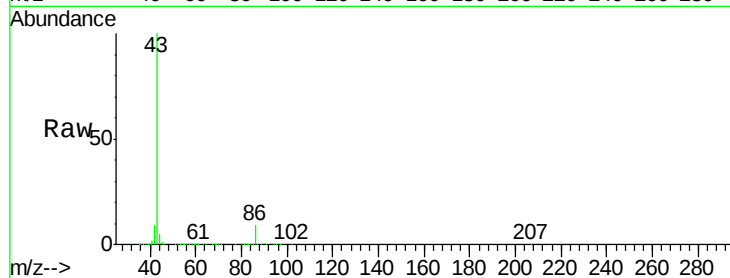
86 8.8 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.68 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

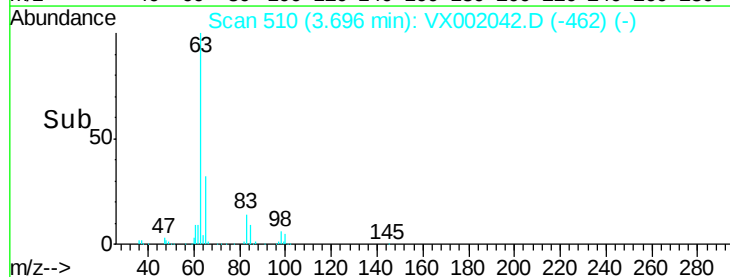
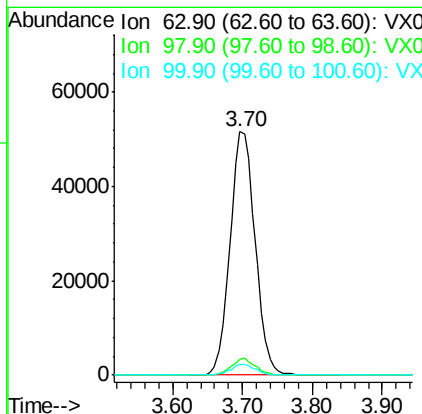
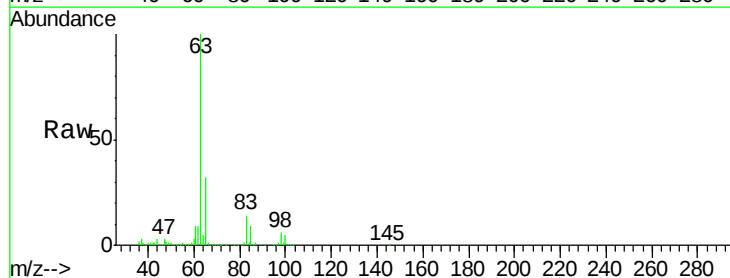
Tgt Ion: 63 Resp: 128525

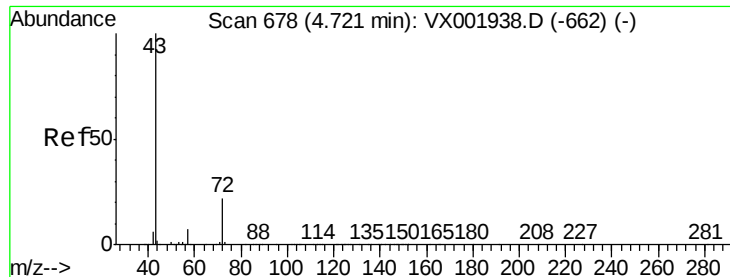
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.5 2.1 6.5





#25

2-Butanone

Concen: 99.57 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tot Ion: 43 Resp: 315636

Ion Ratio Lower Upper

43 100

72 22.1 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

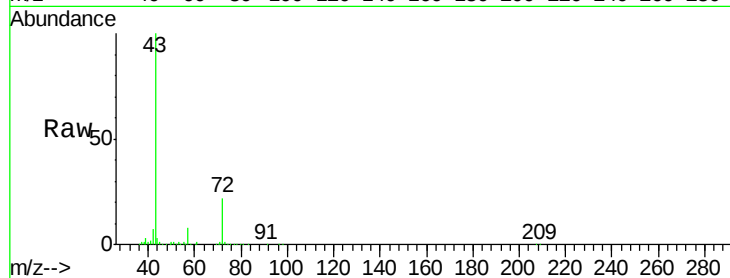
VX0526WBSD02

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

120000

100000

80000

60000

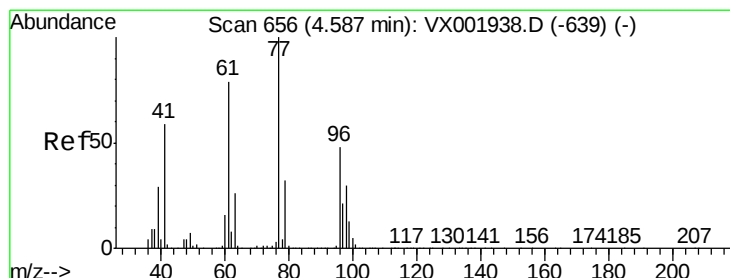
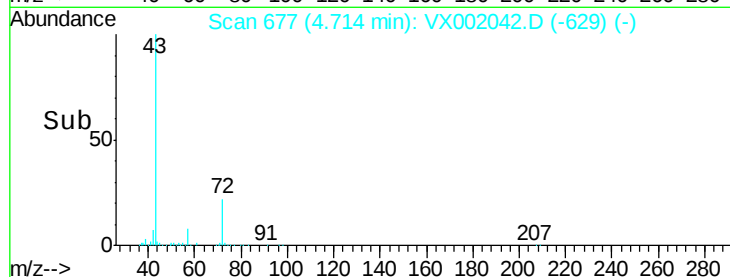
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 12.16 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002042.D

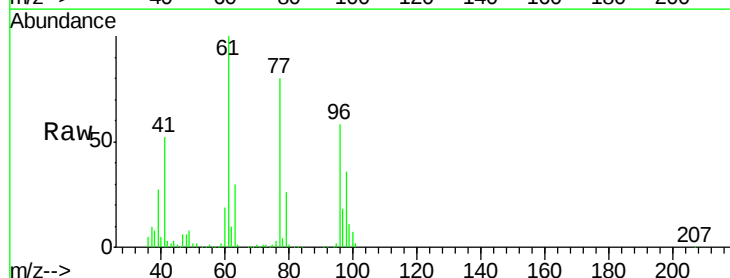
Acq: 27 May 2018 02:32

Tgt Ion: 77 Resp: 72973

Ion Ratio Lower Upper

77 100

97 23.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

25000

20000

15000

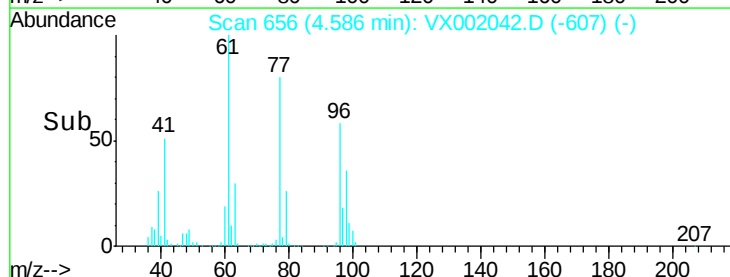
10000

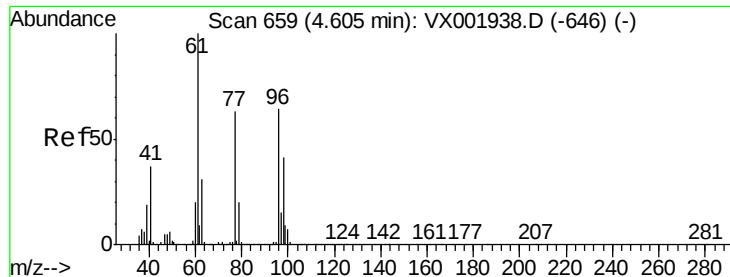
5000

0

4.40 4.50 4.60 4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.65 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002042.D

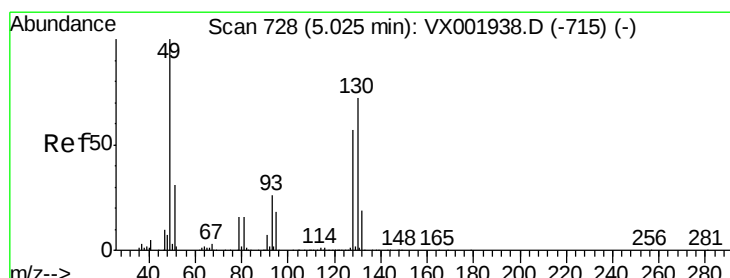
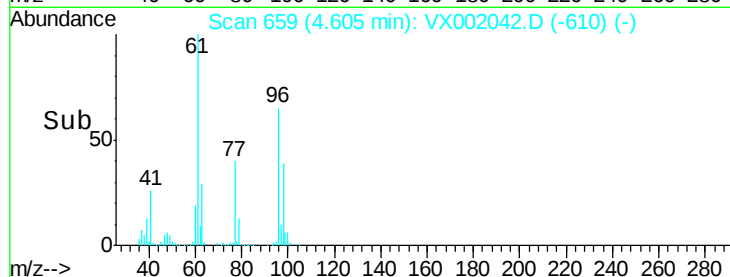
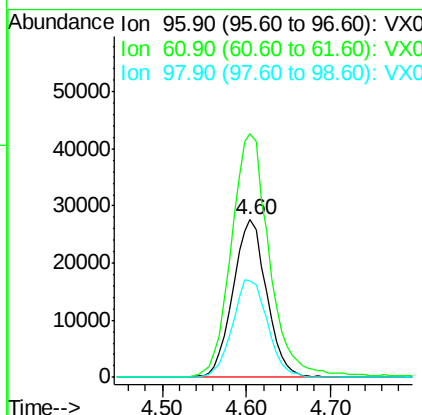
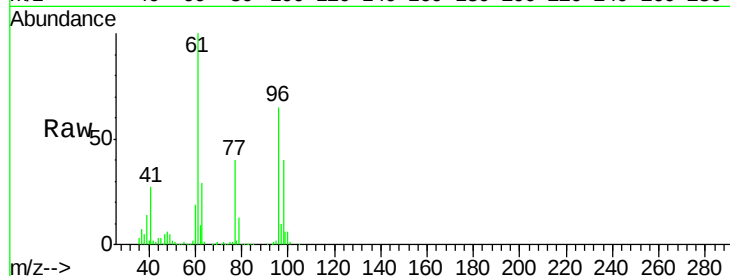
Acq: 27 May 2018 02:32

Tot Ion:	96	Resp:	74871
Ion	Ratio	Lower	Upper
96	100		
61	176.4	0.0	348.4
98	64.3	0.0	128.6

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Manual Integrations
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5/30/2018 1:50:13 PM



#28

Bromochloromethane

Concen: 21.58 ug/l

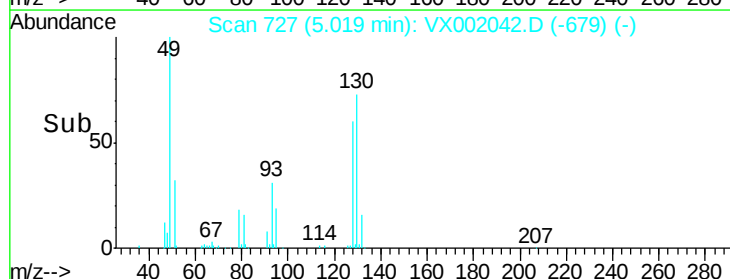
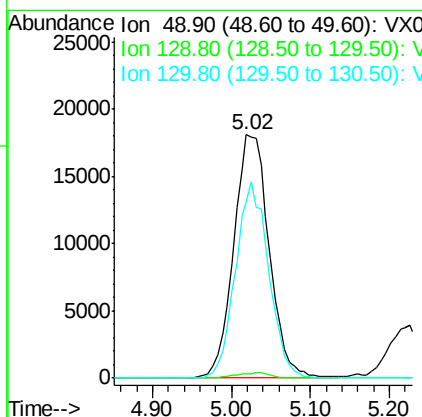
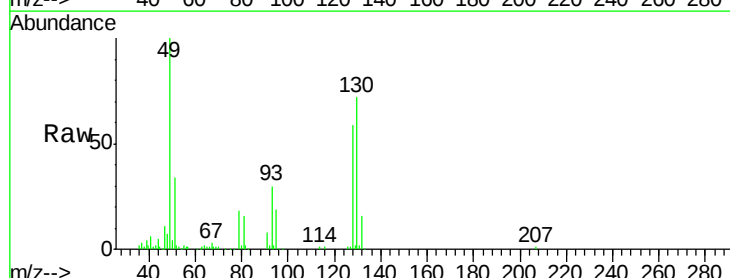
RT: 5.02 min Scan# 727

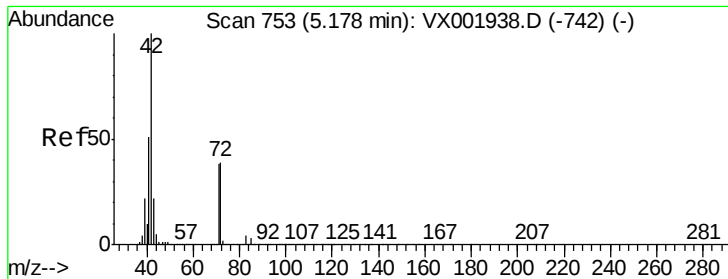
Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion:	49	Resp:	56637
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.0	59.4	89.2





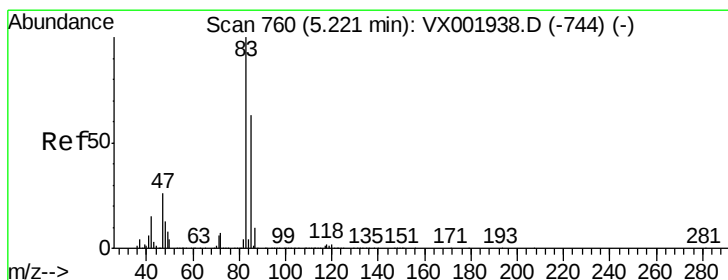
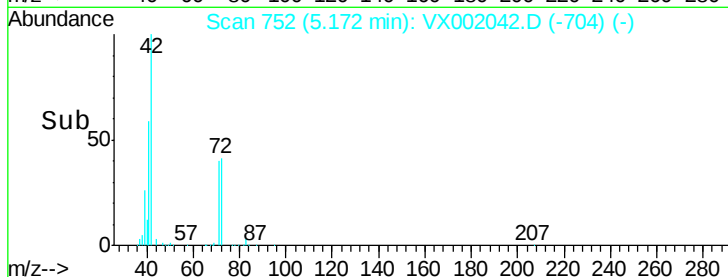
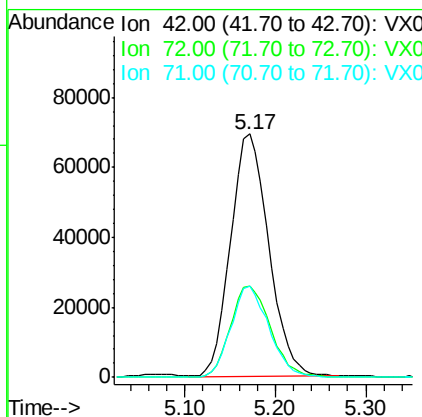
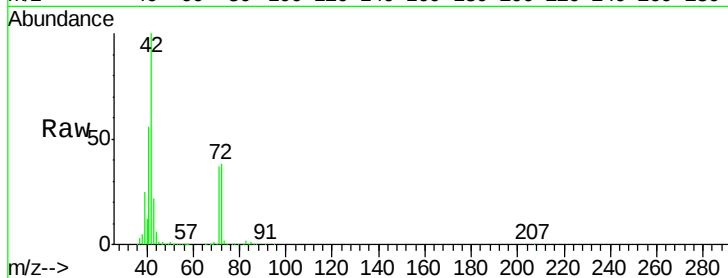
#29
Tetrahydrofuran
Concen: 98.12 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.0
71	37.6	29.5	44.3

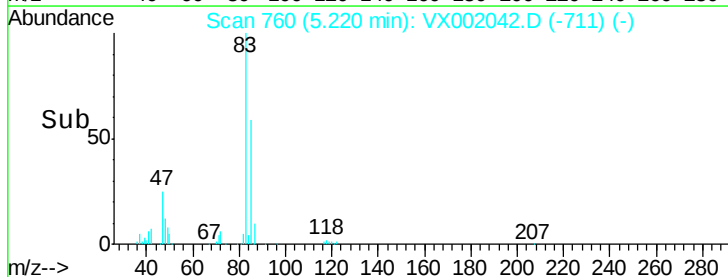
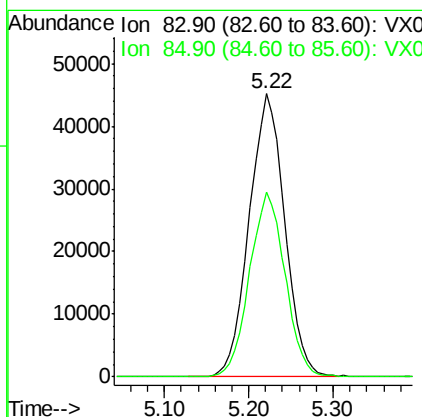
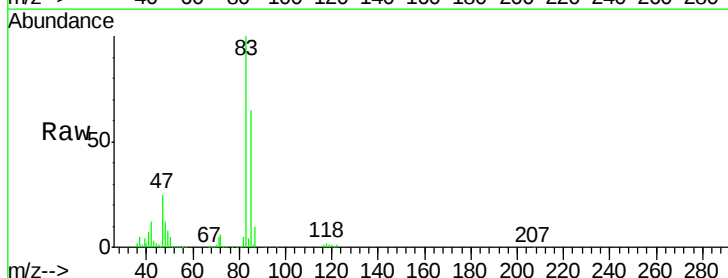
Manual Integrations
APPROVED

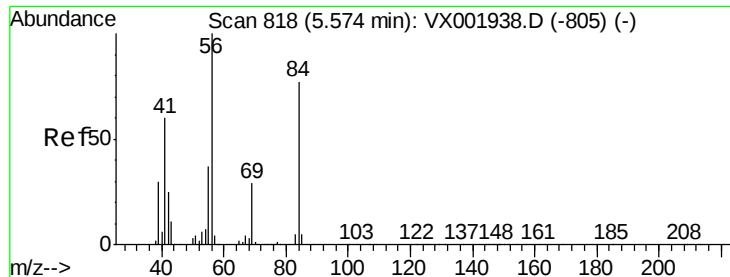
MMDadoda
5/30/2018 1:50:13 PM



#30
Chloroform
Concen: 19.45 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3





#31

Cyclohexane

Concen: 18.33 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

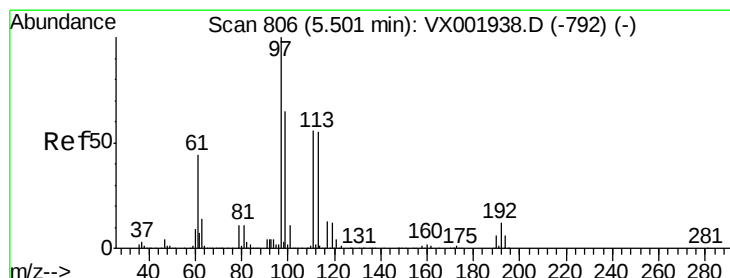
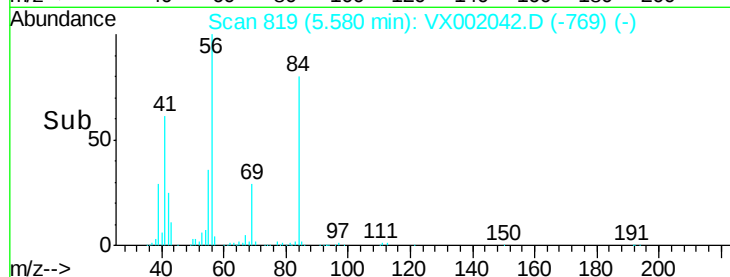
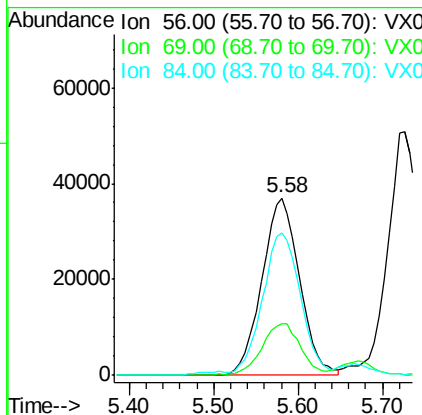
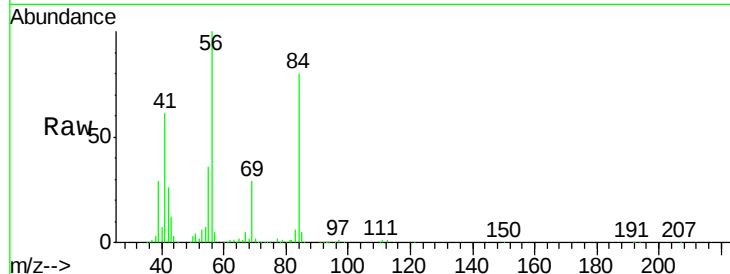
ClientSampleId :

VX0526WBSD02

Tot Ion:	56	Resp:	113216
Ion Ratio		Lower	Upper
56	100		
69	28.6	23.1	34.7
84	79.7	62.0	93.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.06 ug/l

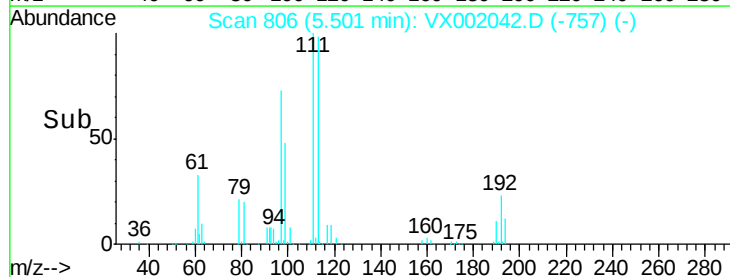
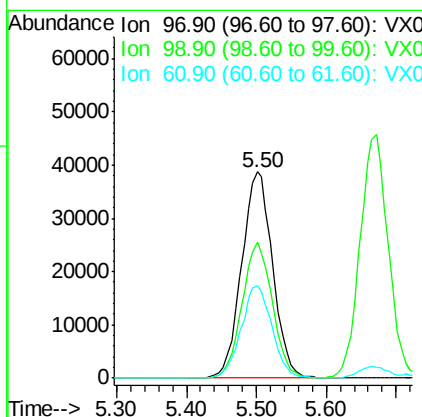
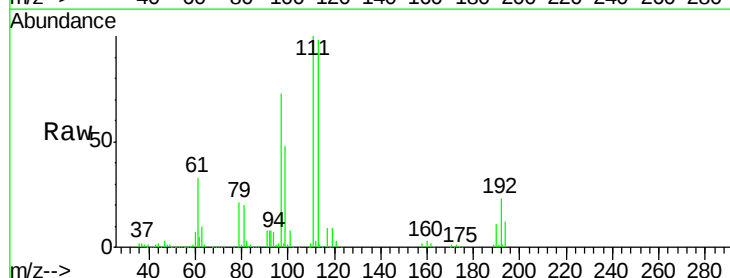
RT: 5.50 min Scan# 806

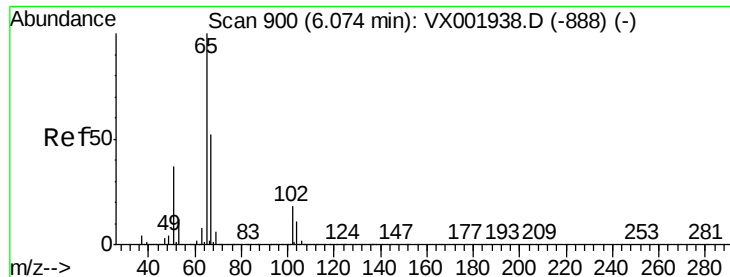
Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion:	97	Resp:	118645
Ion Ratio		Lower	Upper
97	100		
99	64.3	51.9	77.9
61	44.8	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 46.44 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 65 Resp: 208145

Ion Ratio Lower Upper

65 100

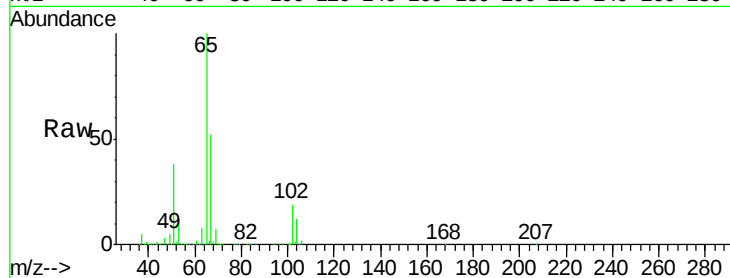
67 51.8 0.0 104.0

Manual Integrations

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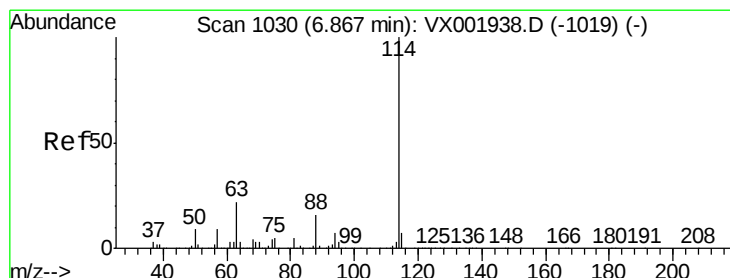
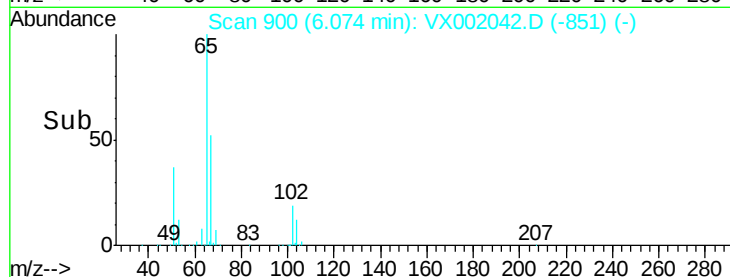
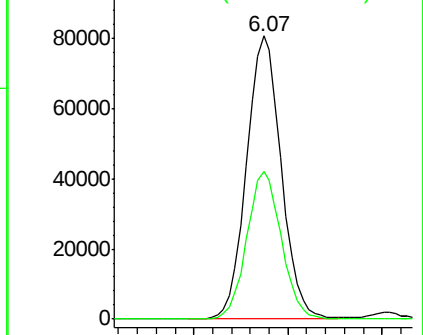
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

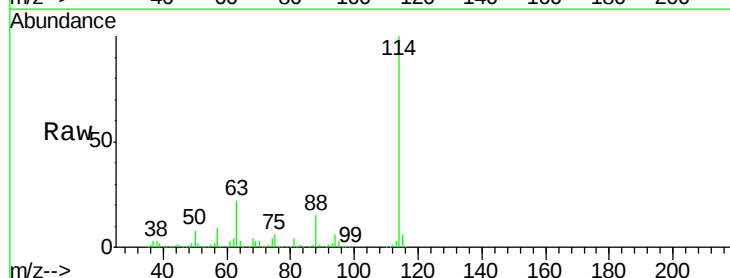
Tgt Ion: 114 Resp: 358317

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

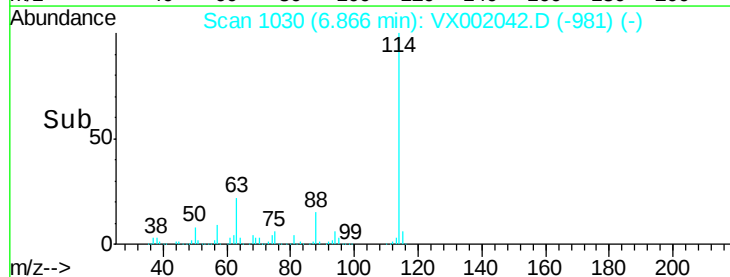
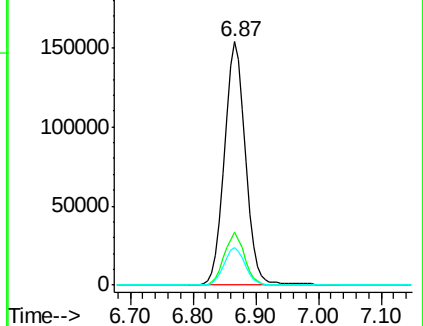
88 15.3 0.0 31.6

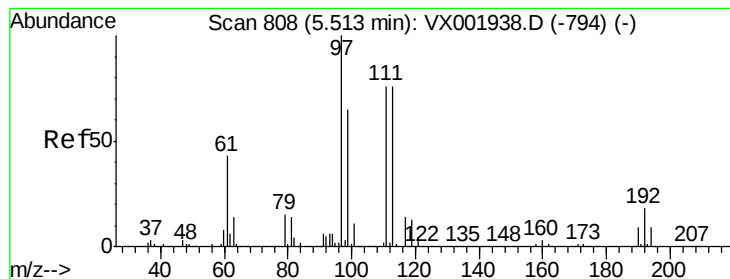


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.81 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

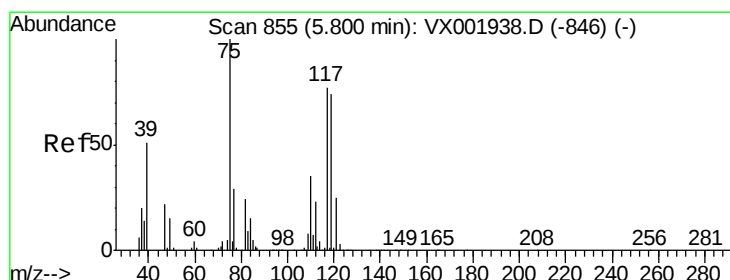
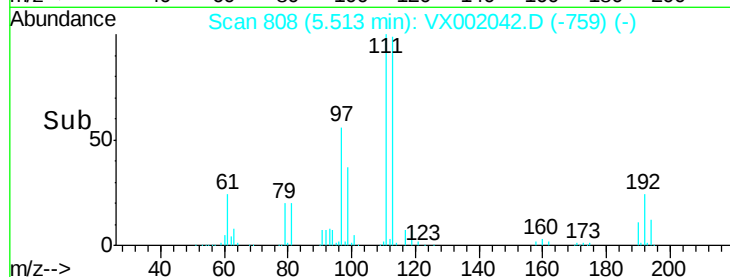
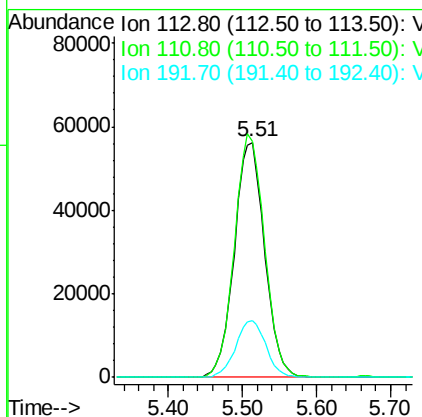
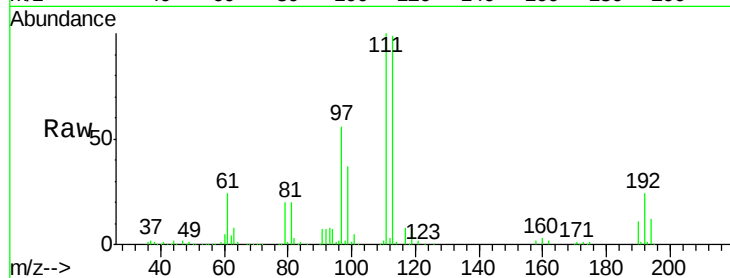
ClientSampleId :

VX0526WBSD02

Tot Ion:	113	Resp:	160554
Ion Ratio	Lower	Upper	
113	100		
111	103.1	82.0	123.0
192	24.1	18.9	28.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.12 ug/l

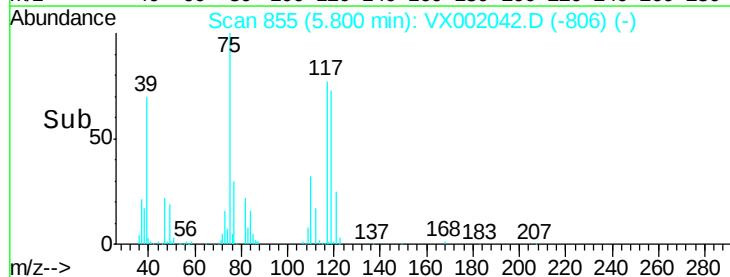
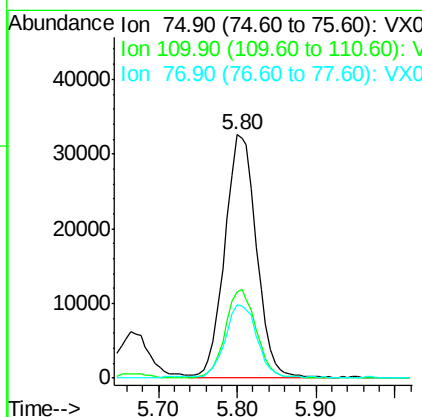
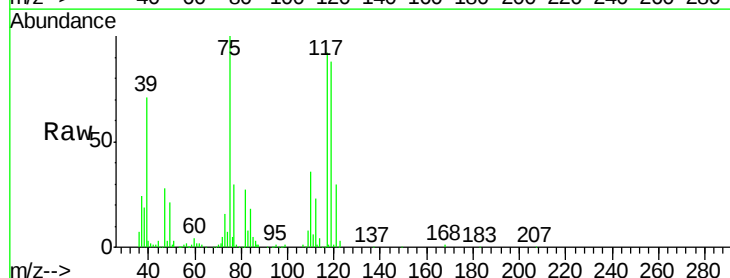
RT: 5.80 min Scan# 855

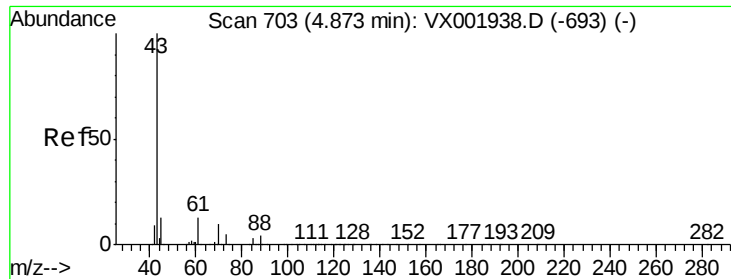
Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion:	75	Resp:	90314
Ion Ratio	Lower	Upper	
75	100		
110	35.9	17.4	52.2
77	30.0	24.4	36.6





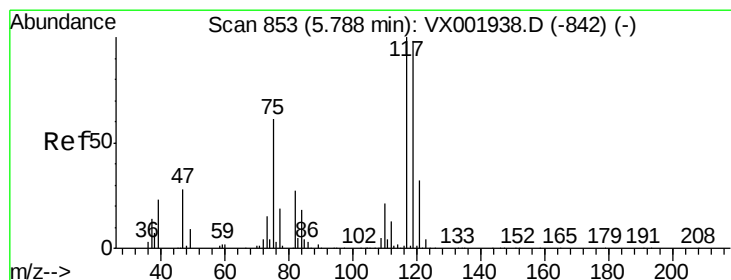
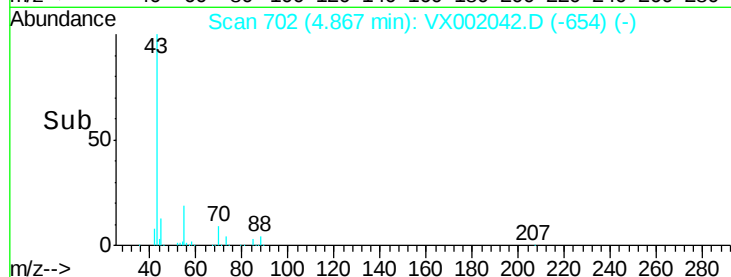
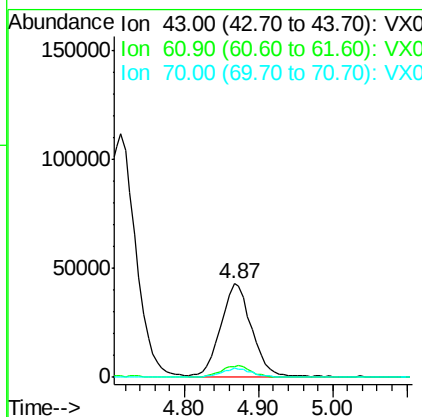
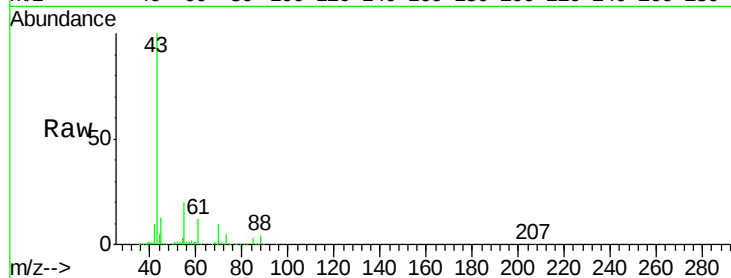
#37
Ethyl Acetate
Concen: 18.98 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.2
70	9.7	7.8	11.8

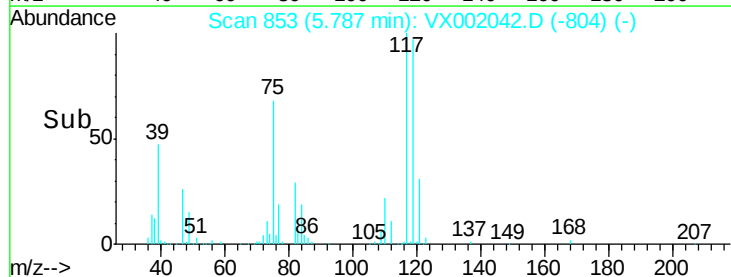
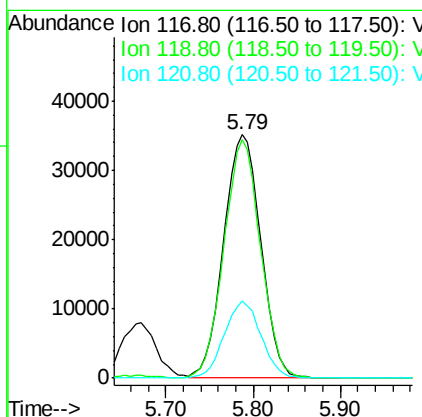
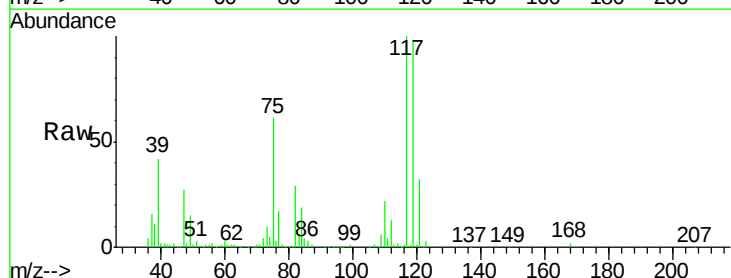
Manual Integrations
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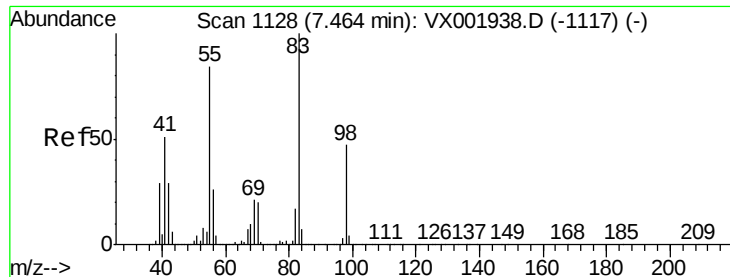
MMDadoda
5/30/2018 1:50:13 PM



#38
Carbon Tetrachloride
Concen: 17.89 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.5	117.7
121	31.7	25.5	38.3





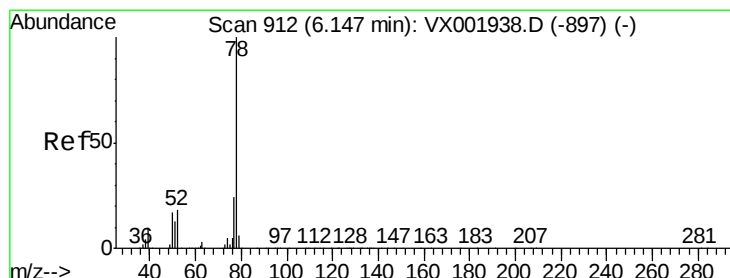
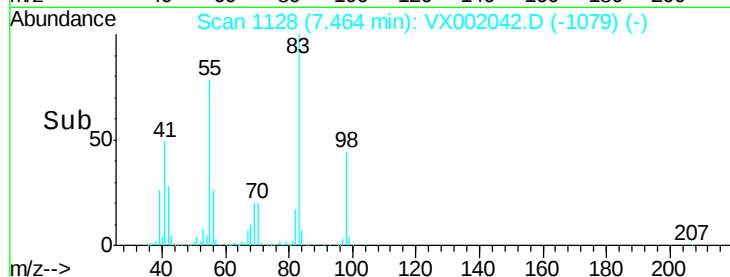
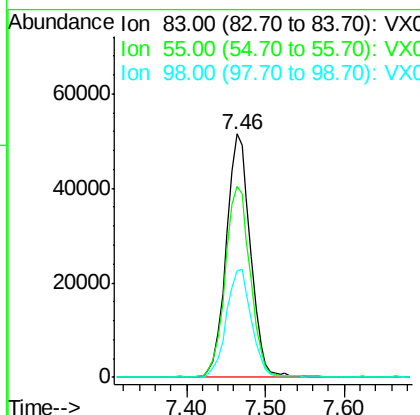
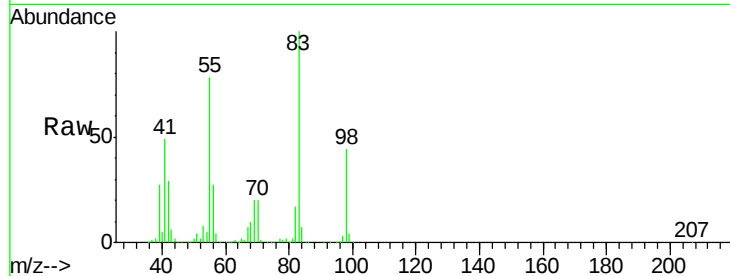
#39
Methvlcvclohexane
Concen: 17.84 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	67.3	100.9
98	43.8	37.5	56.3

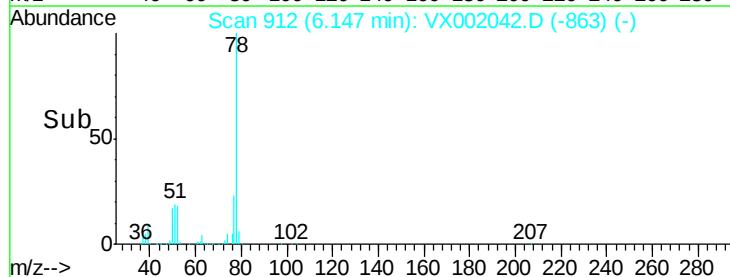
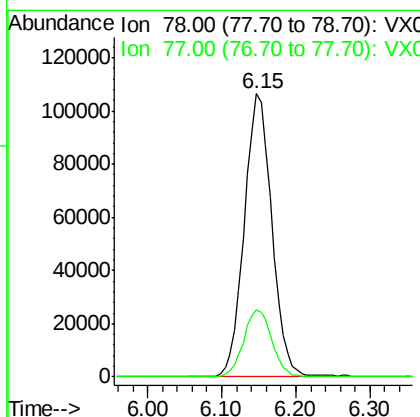
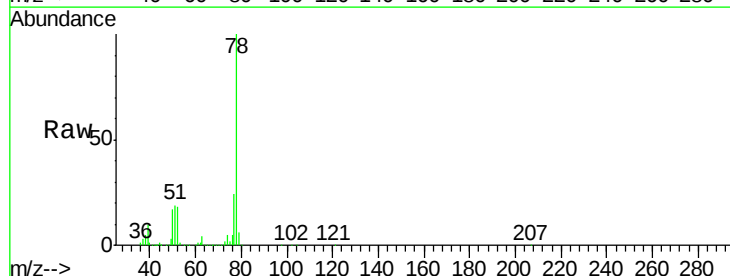
Manual Integrations
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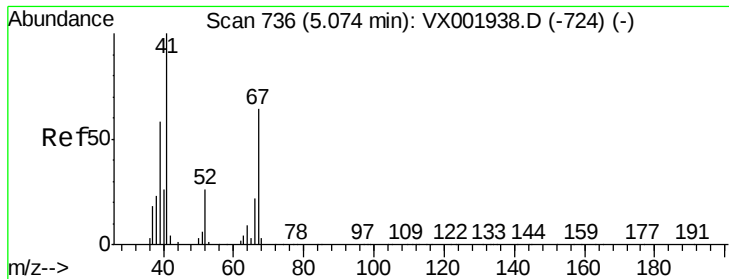
MMDadoda
5/30/2018 1:50:13 PM



#40
Benzene
Concen: 19.01 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





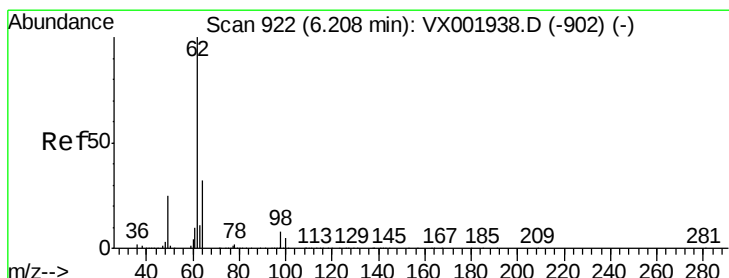
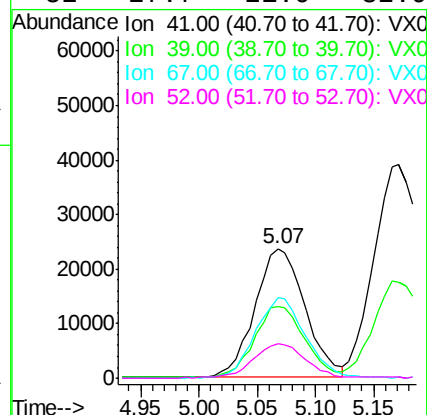
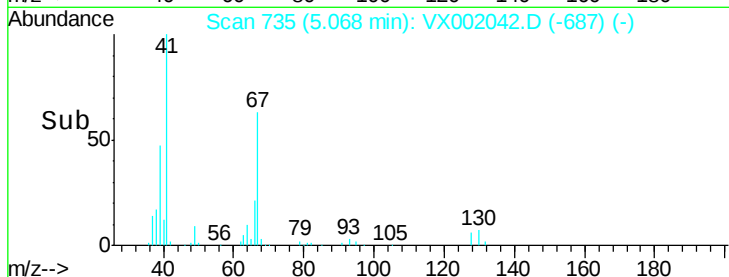
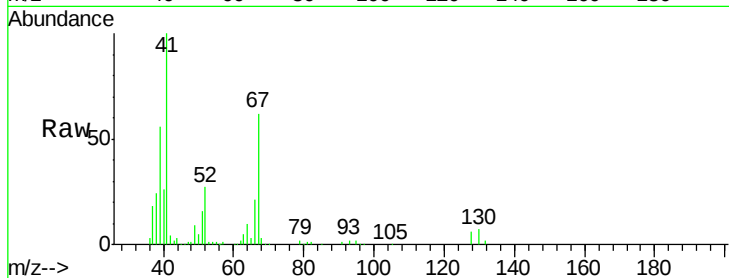
#41
Methacrylonitrile
Concen: 19.64 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	46.0	69.0	
67	63.8	50.6	75.8	
52	27.7	21.9	32.9	

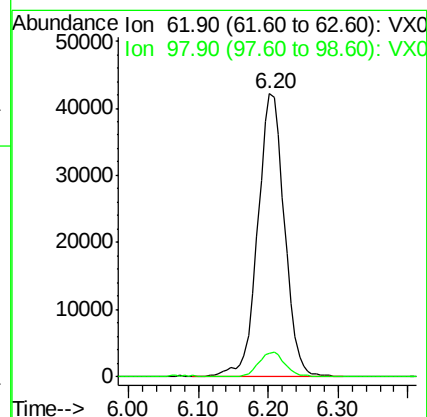
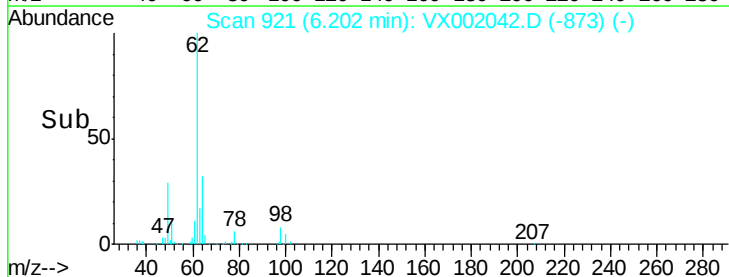
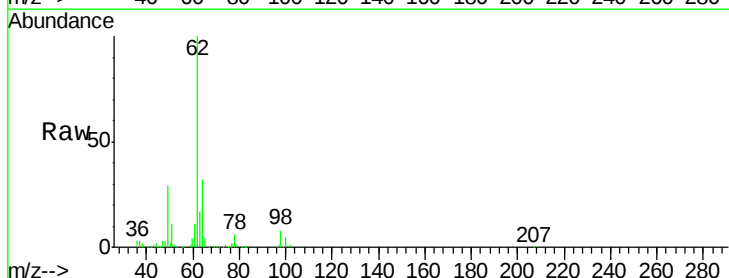
Manual Integrations
APPROVED

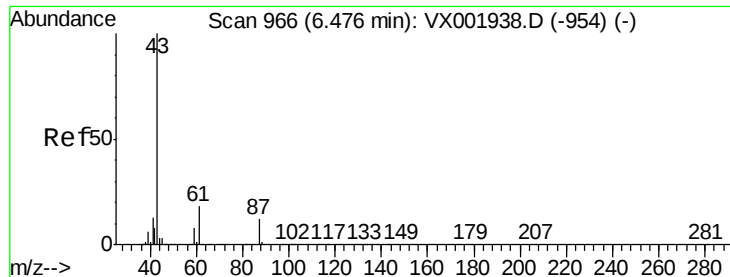
MMDadoda
5/30/2018 1:50:13 PM



#42
1,2-Dichloroethane
Concen: 19.24 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.0	





#43

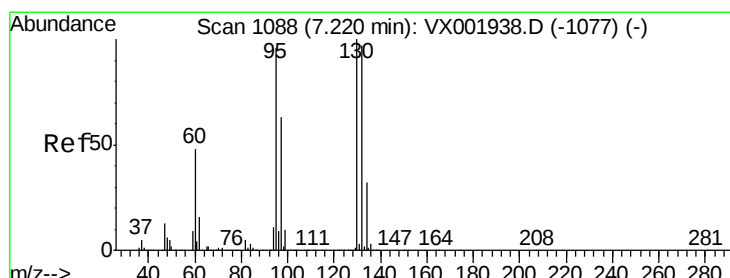
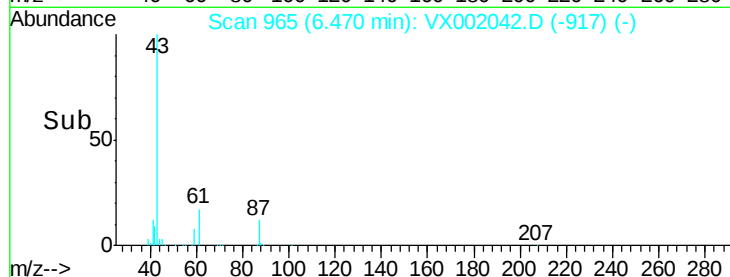
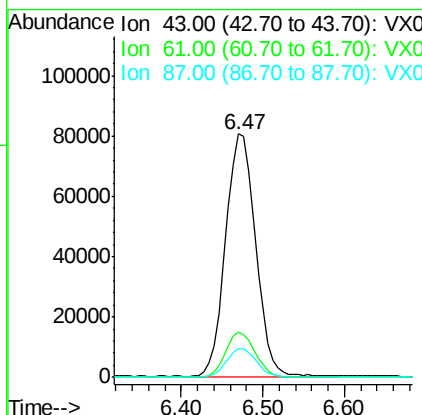
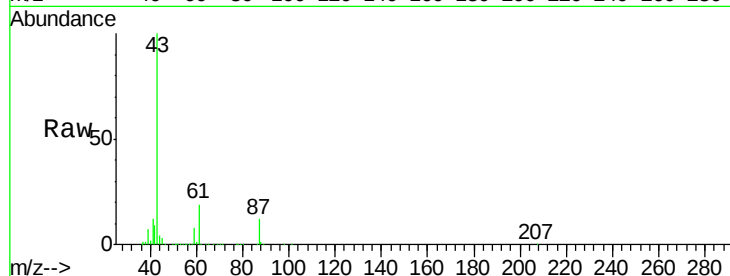
Isopropyl Acetate
 Concen: 18.91 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.5	21.7
87	11.8	9.5	14.3

Manual Integrations
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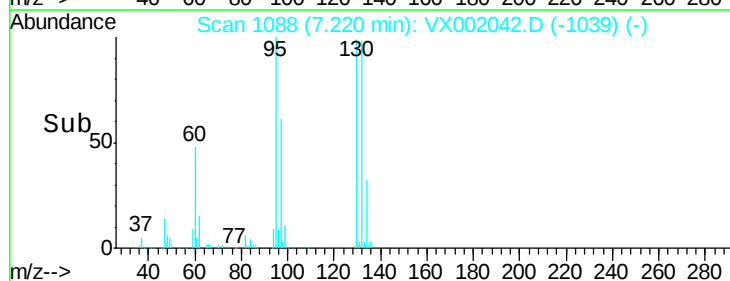
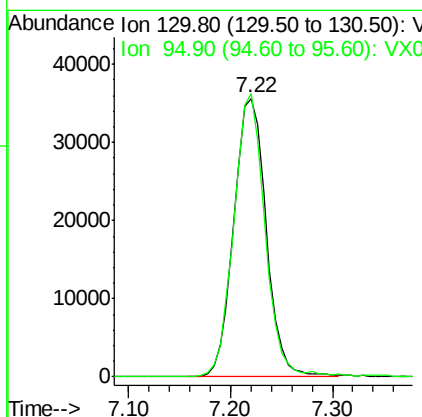
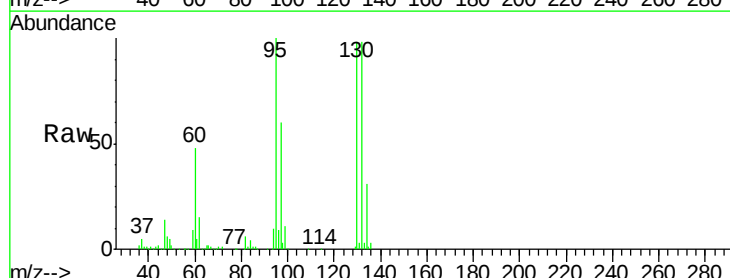
MMDadoda
 5/30/2018 1:50:13 PM

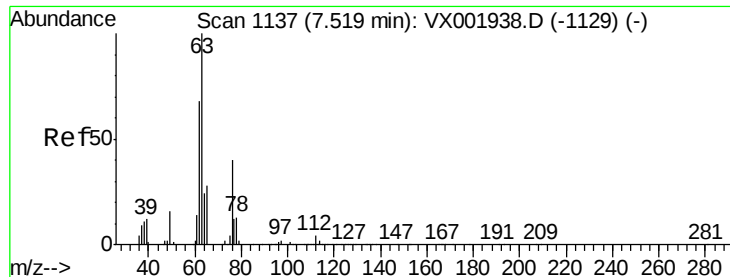


#44

Trichloroethene
 Concen: 18.48 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	192.0





#45

1,2-Dichloropropane

Concen: 19.25 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 63 Resp: 76327

Ion Ratio Lower Upper

63 100

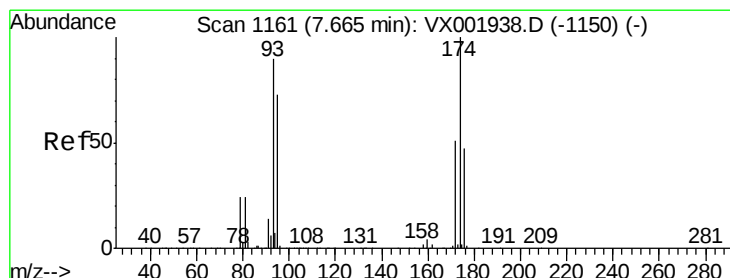
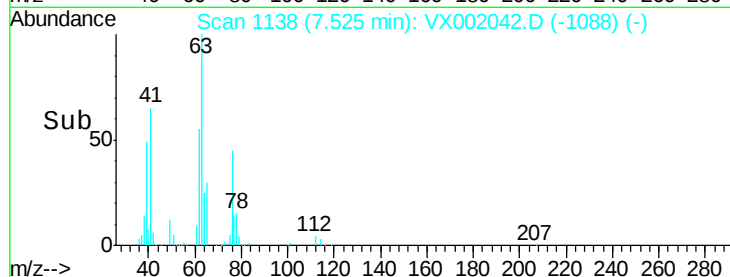
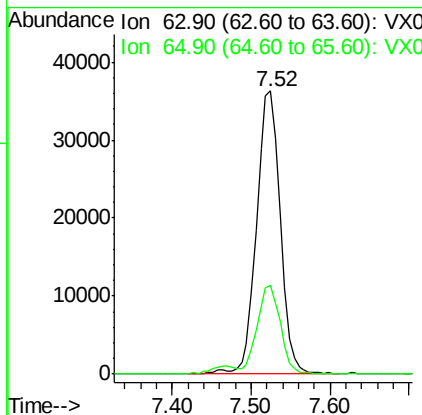
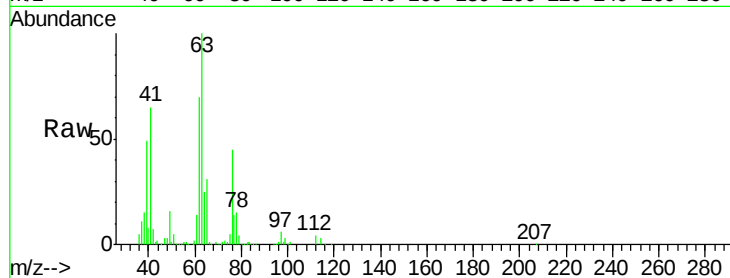
65 31.3 24.1 36.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.57 ug/l

RT: 7.67 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

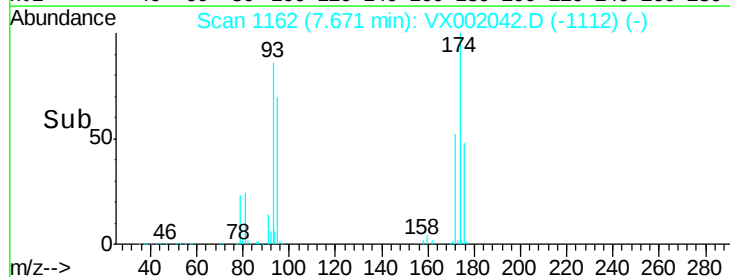
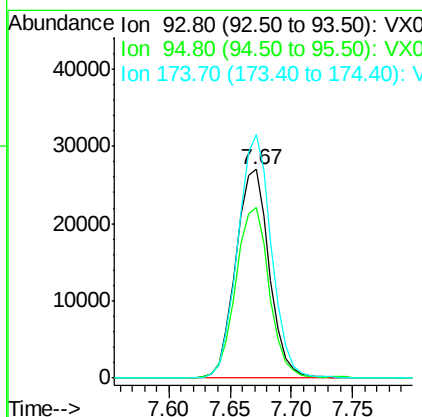
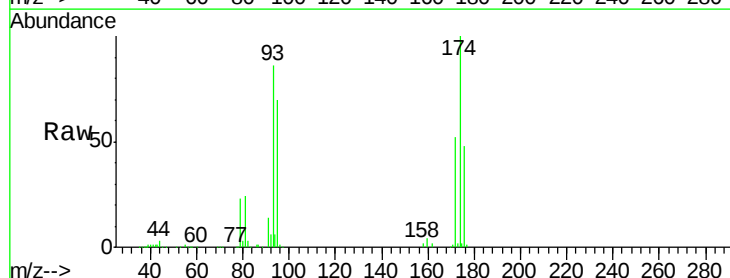
Tgt Ion: 93 Resp: 51376

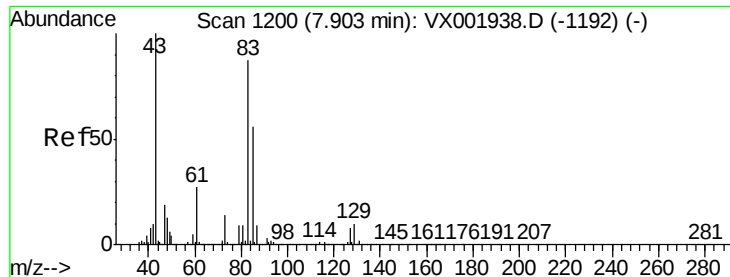
Ion Ratio Lower Upper

93 100

95 81.7 66.1 99.1

174 116.6 92.5 138.7





#47

Bromodichloromethane

Concen: 18.03 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

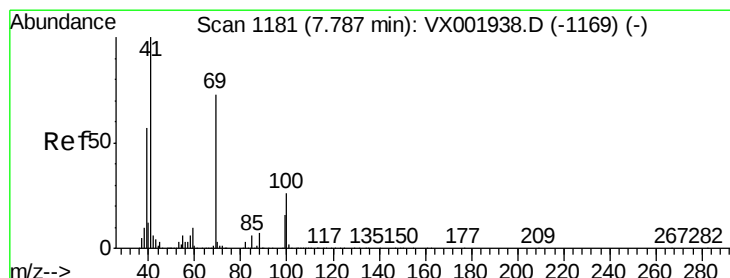
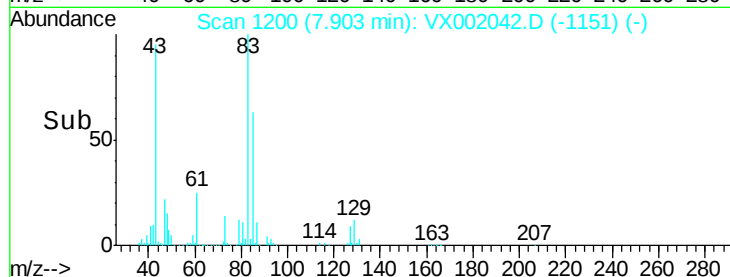
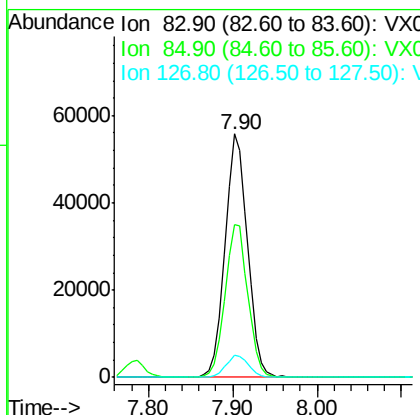
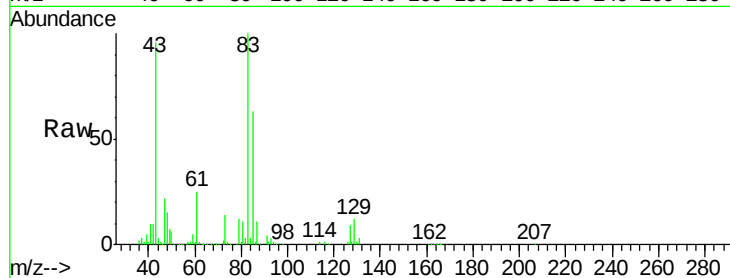
ClientSampleId :

VX0526WBSD02

Tot Ion:	83	Resp:	100946
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.4	77.2
127	8.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.87 ug/l

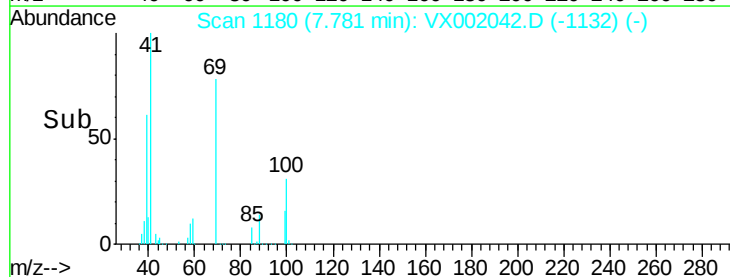
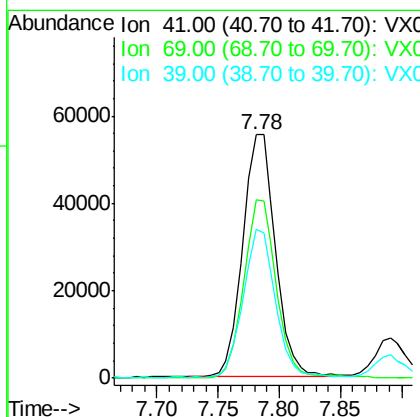
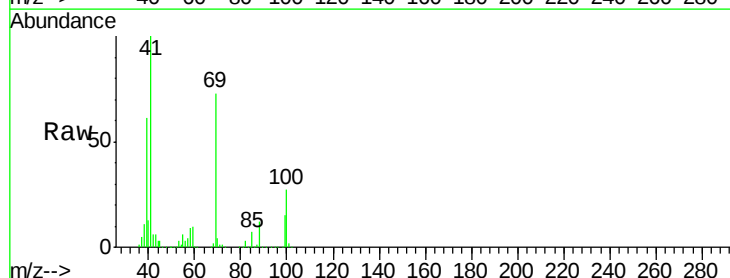
RT: 7.78 min Scan# 1180

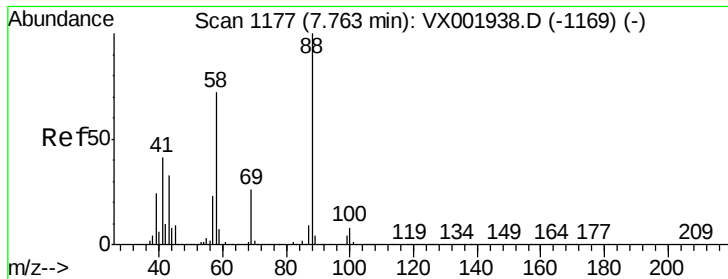
Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion:	41	Resp:	103961
Ion	Ratio	Lower	Upper
41	100		
69	73.4	58.6	87.8
39	59.7	46.3	69.5





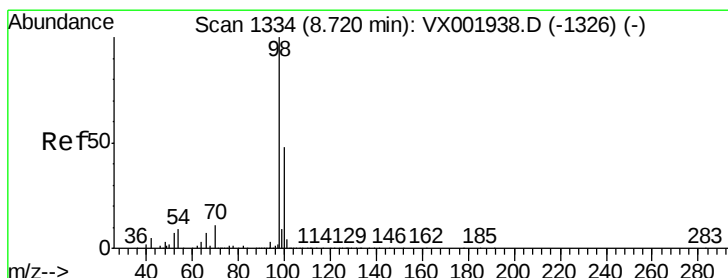
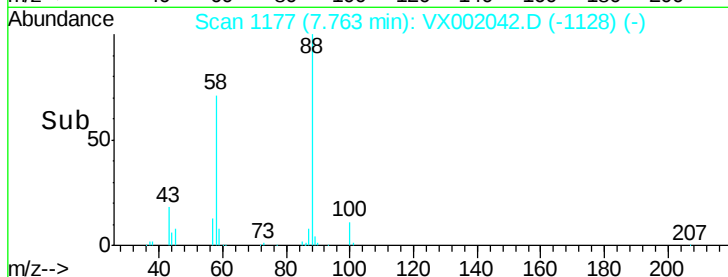
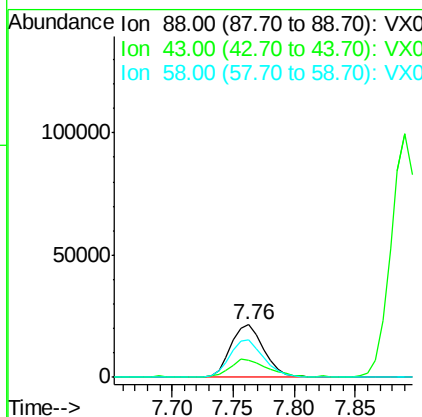
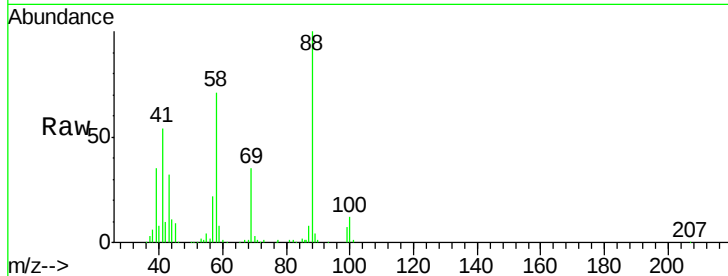
#49
1,4-Dioxane
Concen: 420.26 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	29.8	44.8
58	73.4	58.7	88.1

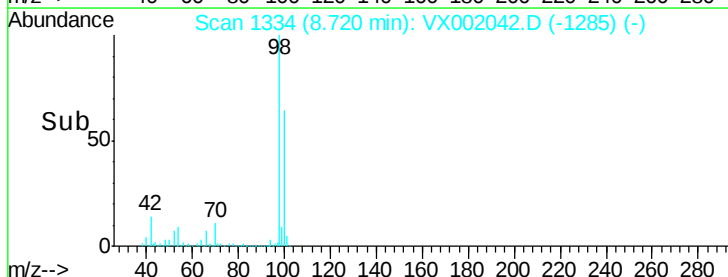
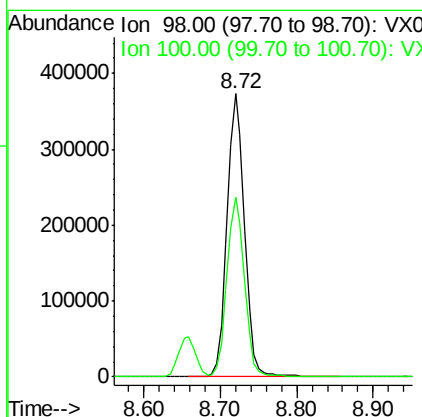
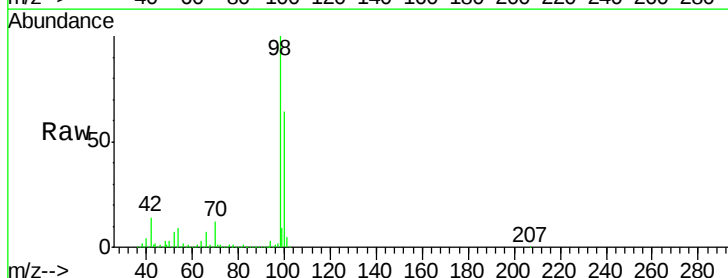
Manual Integrations
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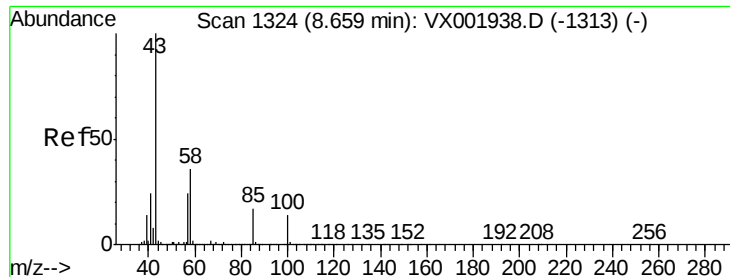
MMDadoda
5/30/2018 1:50:13 PM



#50
Toluene-d8
Concen: 45.50 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 99.42 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 43 Resp: 648893

Ion Ratio Lower Upper

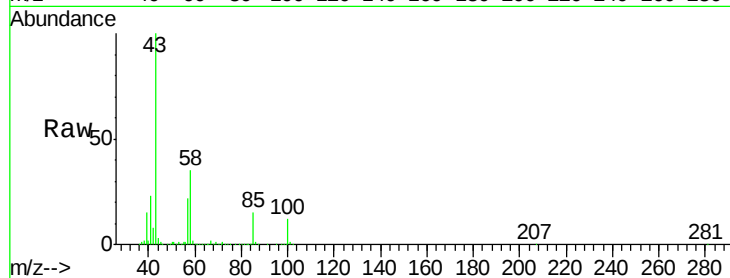
43 100

58 35.0 28.5 42.7

Manual Integrations
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MMDadoda

5/30/2018 1:50:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

400000

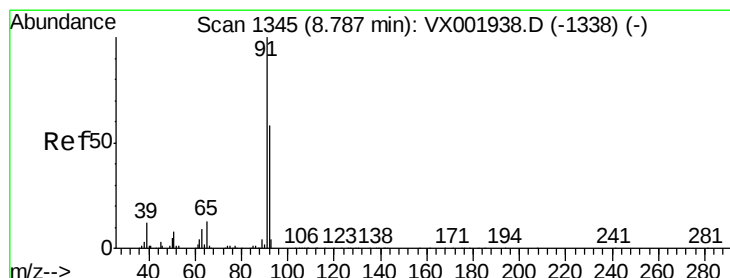
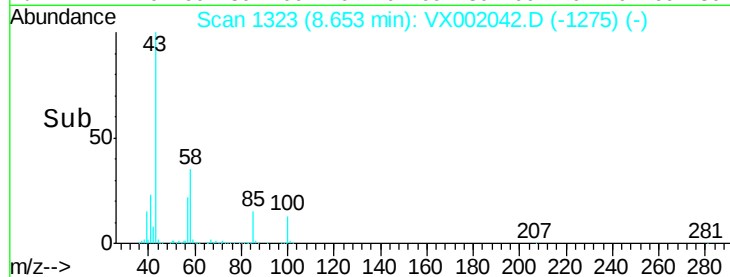
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.21 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002042.D

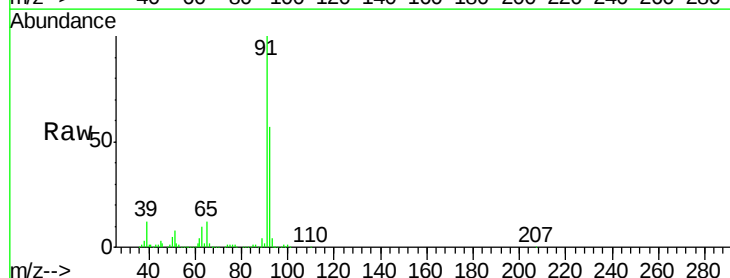
Acq: 27 May 2018 02:32

Tgt Ion: 92 Resp: 178510

Ion Ratio Lower Upper

92 100

91 173.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

200000

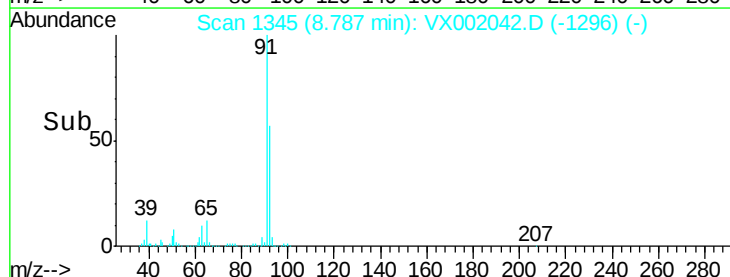
150000

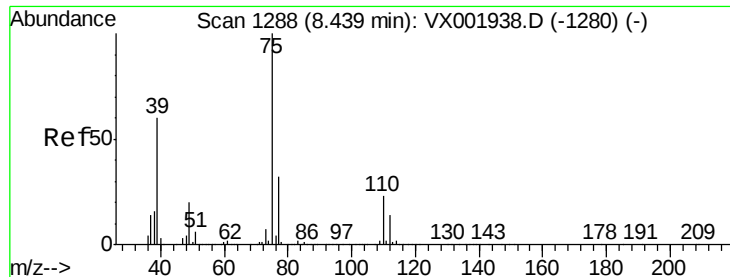
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.37 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 75 Resp: 111990

Ion Ratio Lower Upper

75 100

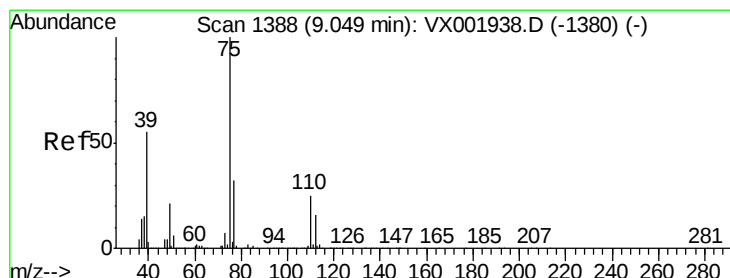
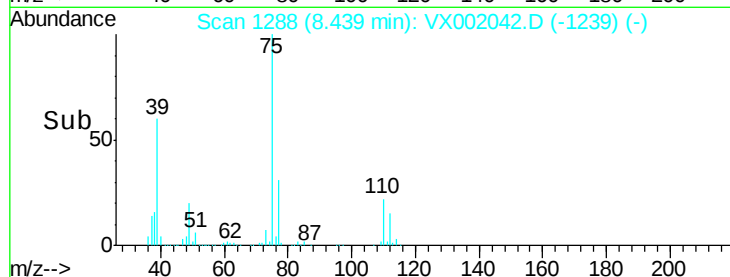
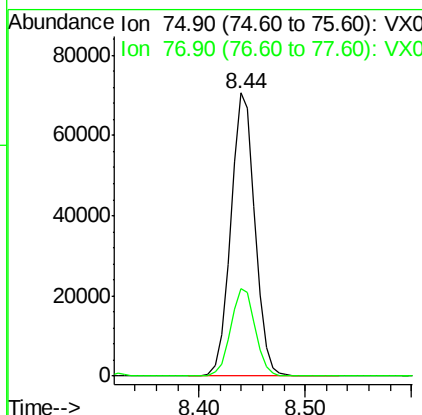
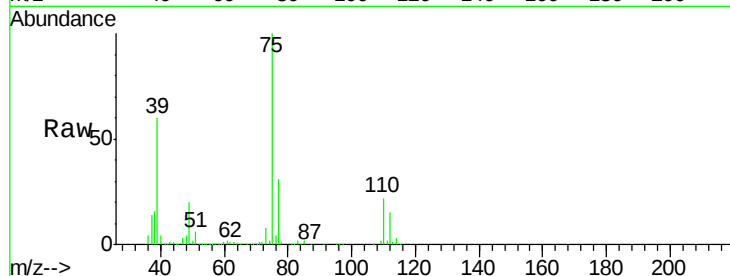
77 31.0 25.5 38.3

Manual Integrations

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5/30/2018 1:50:13 PM



#54

cis-1,3-Dichloropropene

Concen: 16.94 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

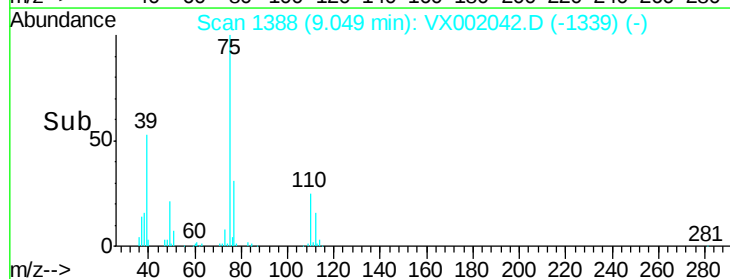
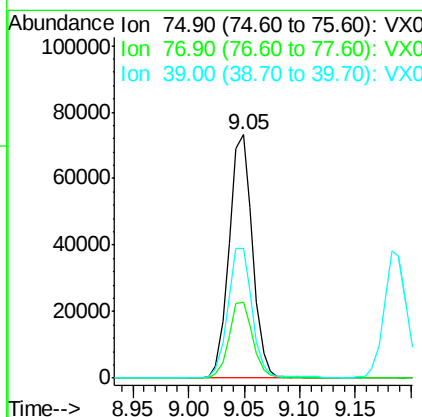
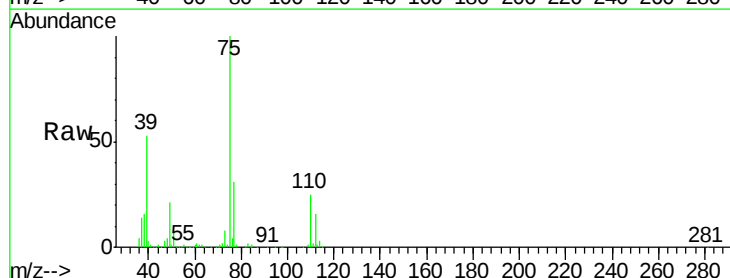
Tgt Ion: 75 Resp: 106444

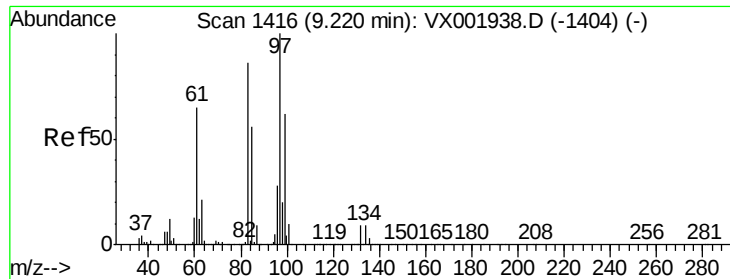
Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 52.9 44.1 66.1





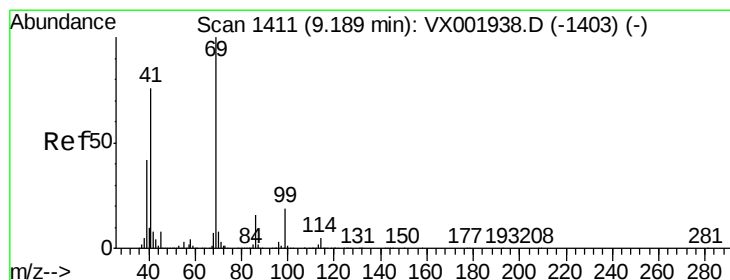
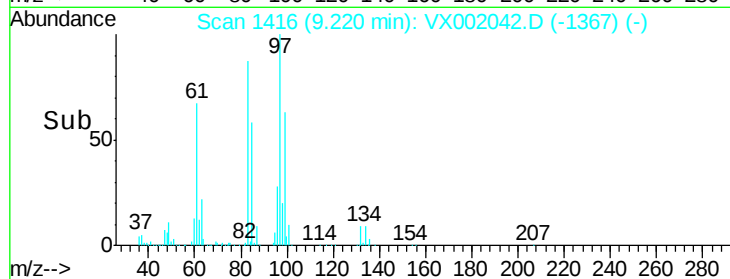
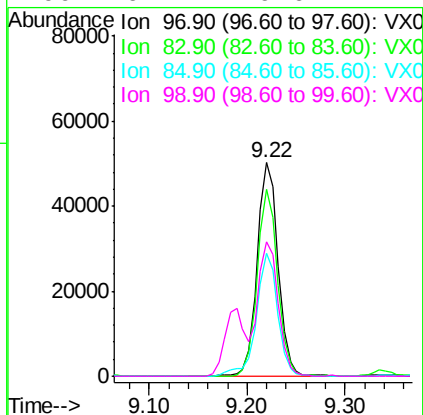
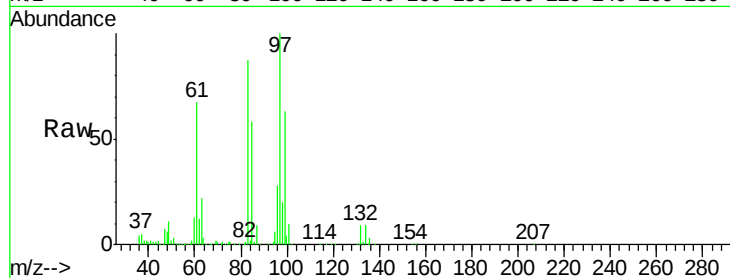
#55
 1,1,2-Trichloroethane
 Concen: 19.27 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBSD02

Tot Ion:	97	Resp:	74793
Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.1	103.7
85	57.6	45.2	67.8
99	62.7	49.6	74.4

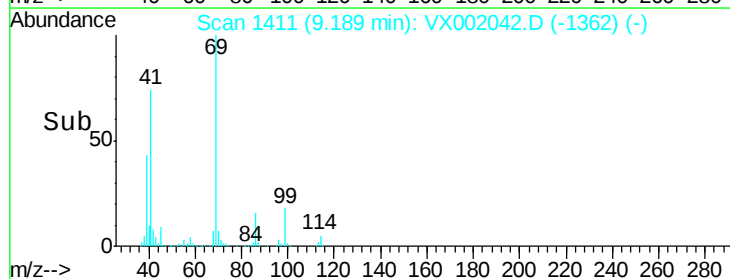
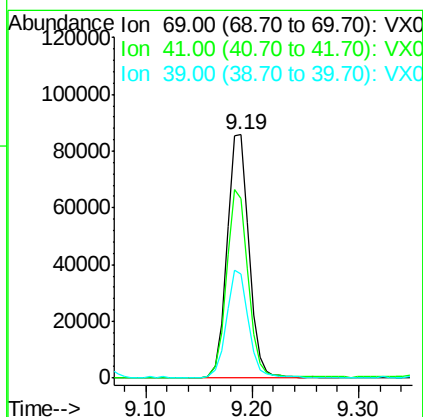
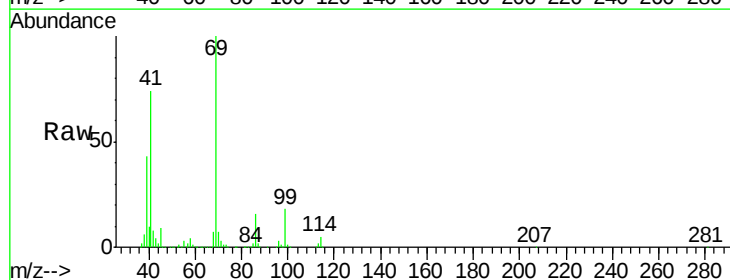
Manual Integrations
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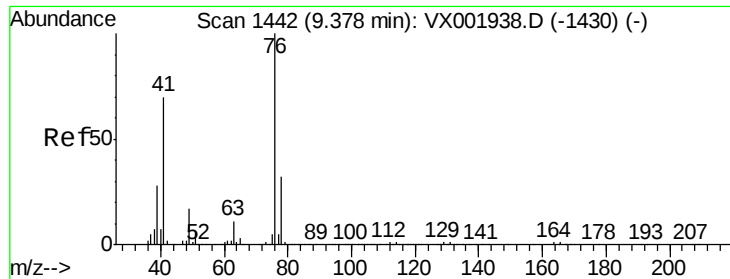
MMDadoda
 5/30/2018 1:50:13 PM



#56
 Ethyl methacrylate
 Concen: 18.61 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion:	69	Resp:	124285
Ion	Ratio	Lower	Upper
69	100		
41	75.9	61.0	91.6
39	43.4	34.4	51.6





#57

1,3-Dichloropropane

Concen: 19.47 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 76 Resp: 124512

Ion Ratio Lower Upper

76 100

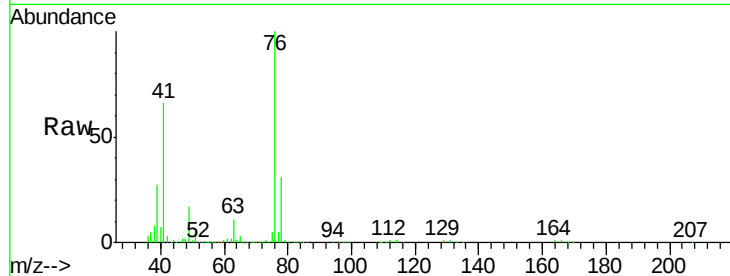
78 32.5 25.6 38.4

Manual Integrations

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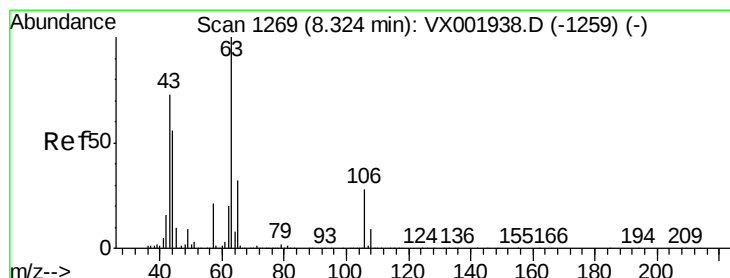
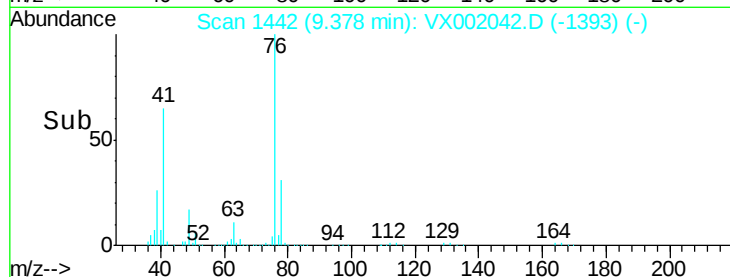
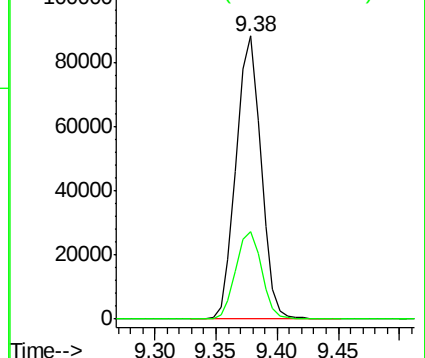
MMDadoda

5/30/2018 1:50:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.42 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX002042.D

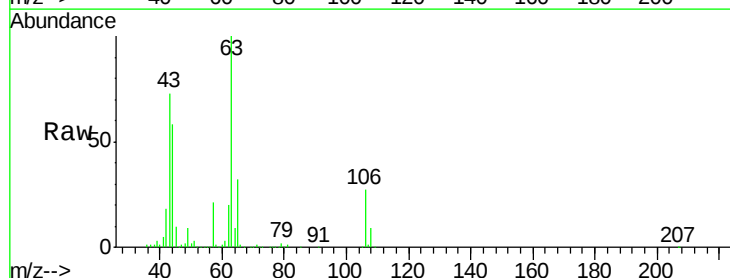
Acq: 27 May 2018 02:32

Tgt Ion: 63 Resp: 291278

Ion Ratio Lower Upper

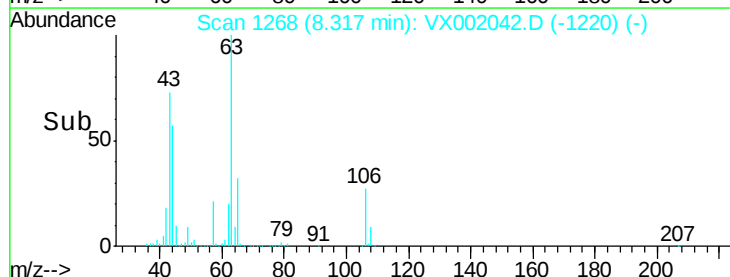
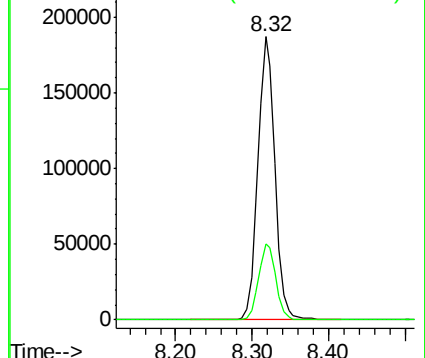
63 100

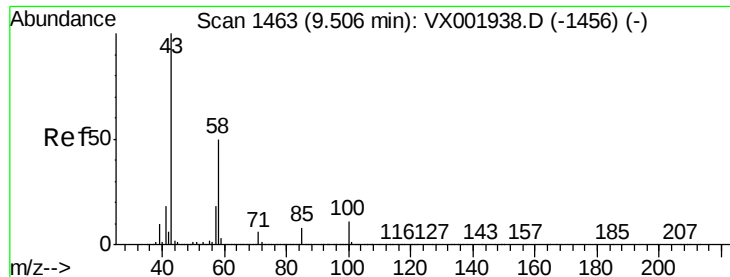
106 27.1 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





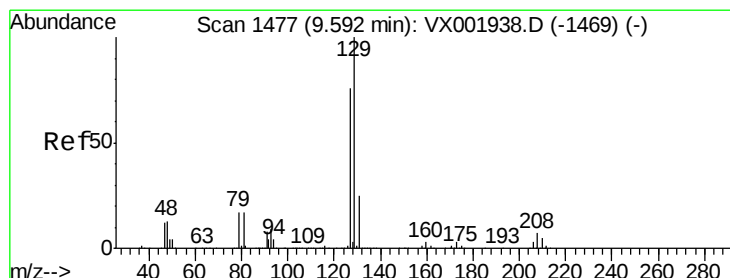
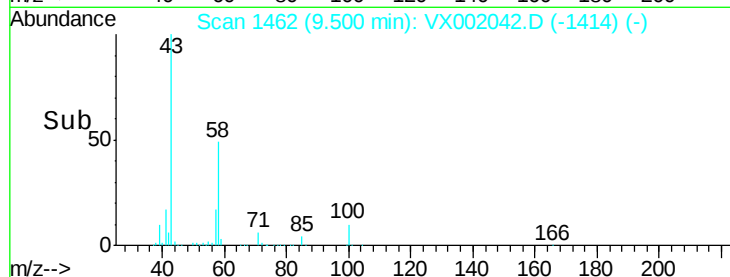
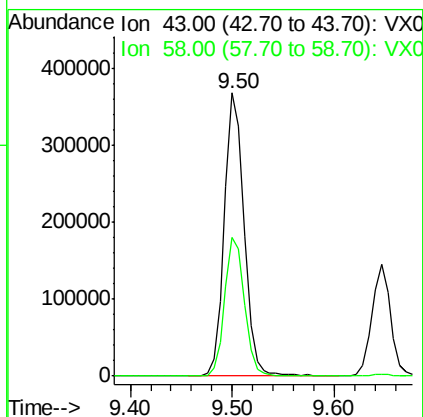
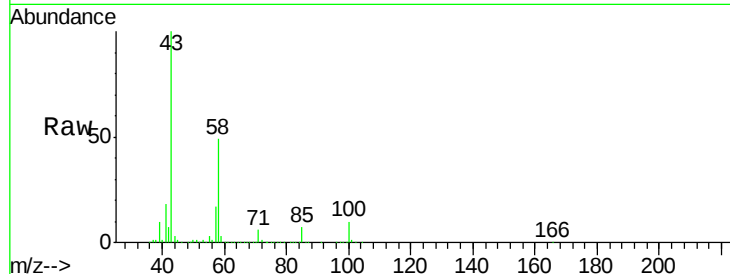
#59
2-Hexanone
Concen: 98.42 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion: 43 Resp: 495261
Ion Ratio Lower Upper
43 100
58 49.4 24.9 74.6

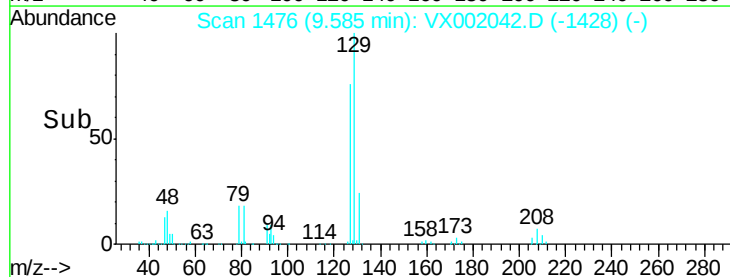
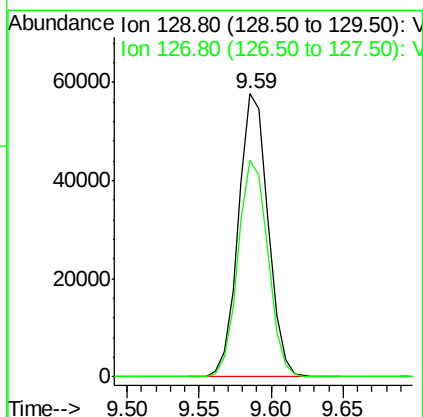
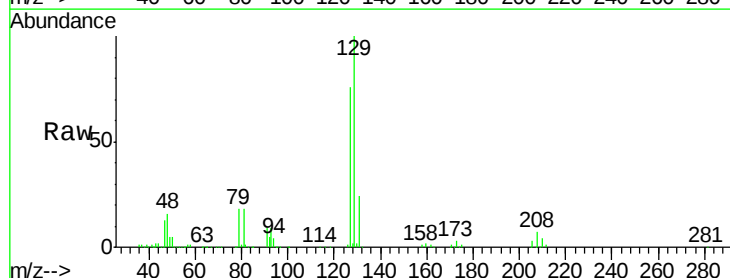
Manual Integrations
APPROVED

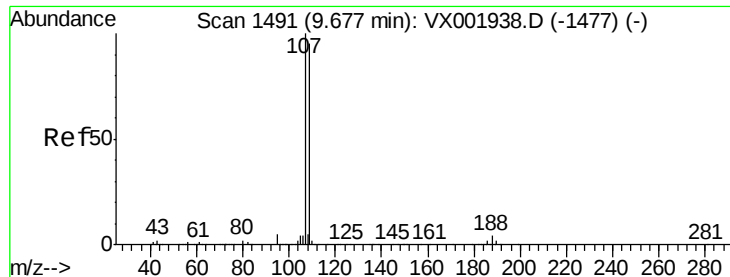
MMDadoda
5/30/2018 1:50:13 PM



#60
Dibromochloromethane
Concen: 17.94 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion: 129 Resp: 82468
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.34 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 107 Resp: 78781

Ion Ratio Lower Upper

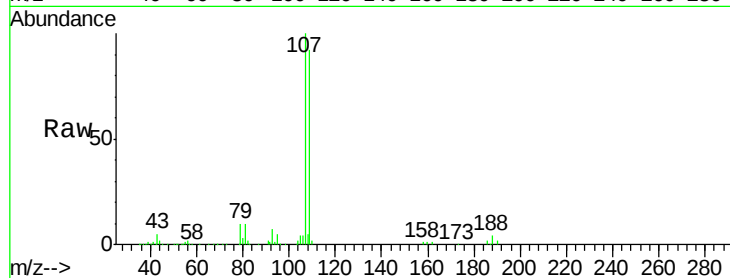
107 100

109 93.5 75.3 112.9

Manual Integrations
APPROVED

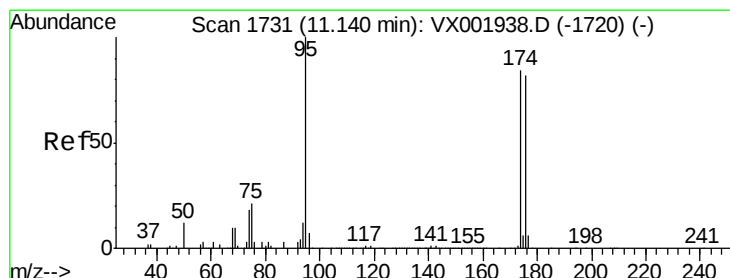
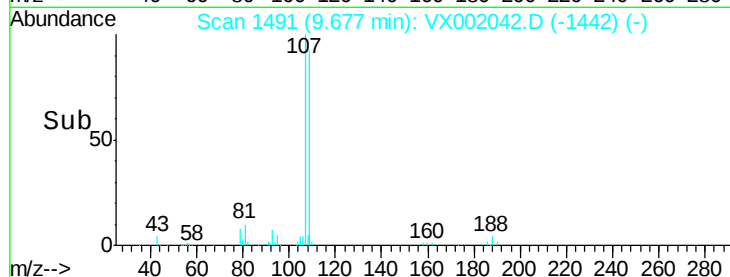
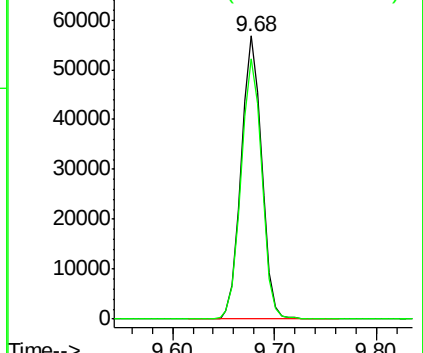
MMDadoda

5/30/2018 1:50:13 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

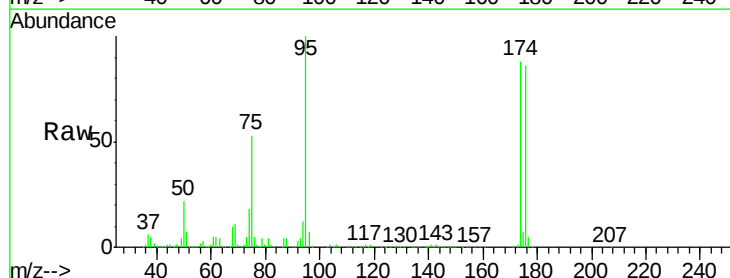
Tgt Ion: 95 Resp: 224243

Ion Ratio Lower Upper

95 100

174 91.5 0.0 178.8

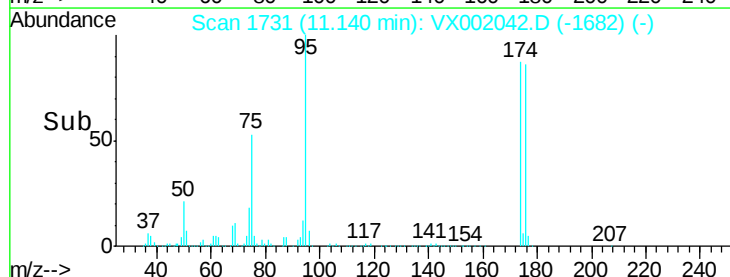
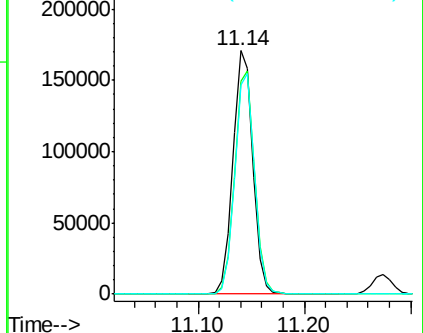
176 89.8 0.0 175.6

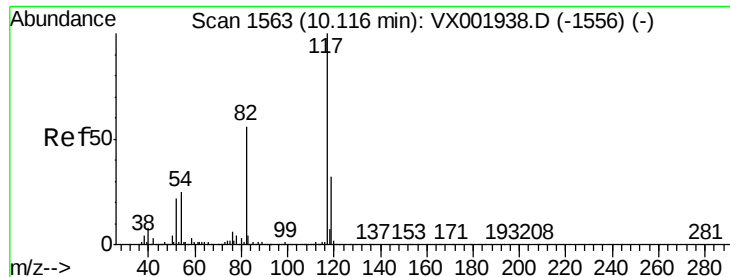


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





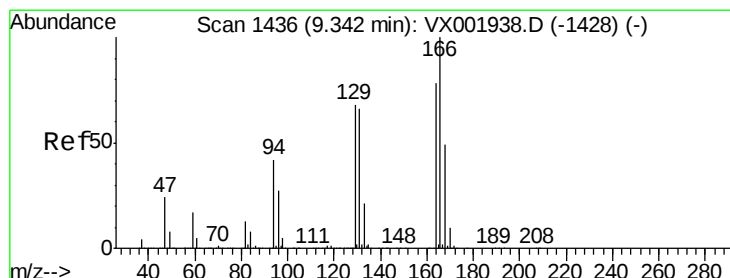
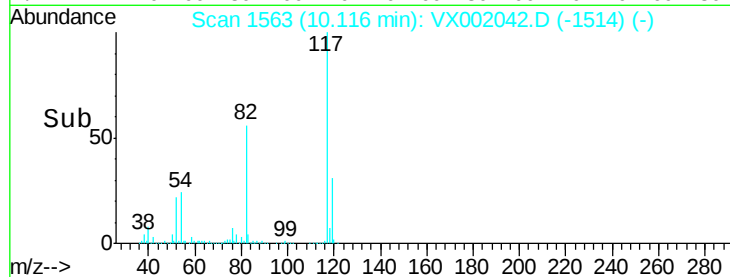
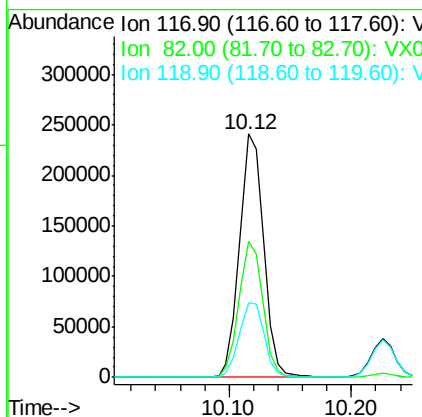
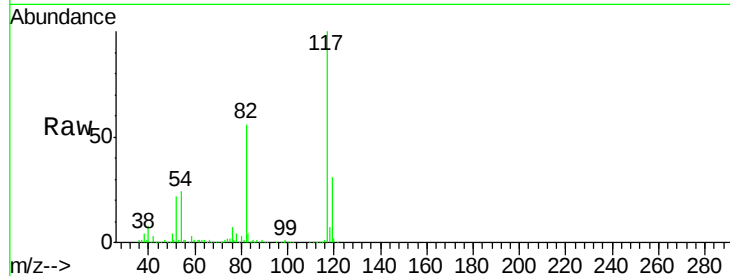
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	329355		
82	55.6		44.8	67.2
119	30.7		25.5	38.3

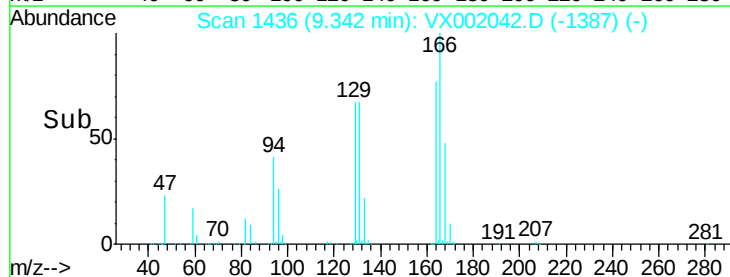
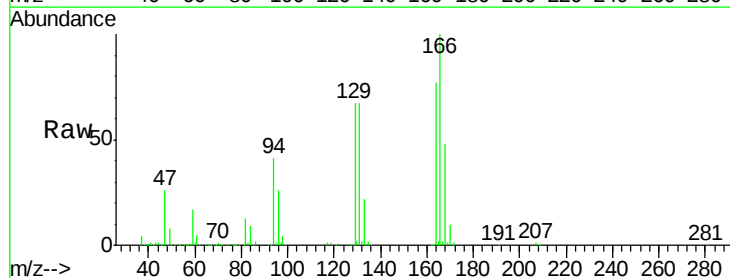
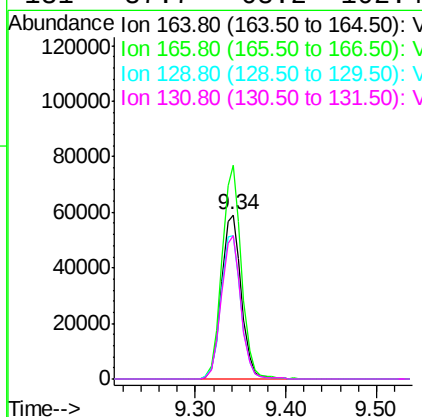
Manual Integrations
APPROVED

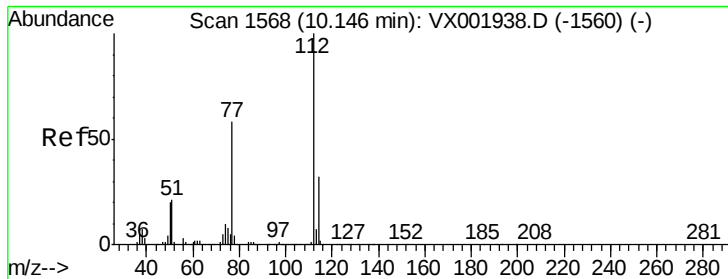
MMDadoda
5/30/2018 1:50:13 PM



#64
Tetrachloroethene
Concen: 19.19 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90626		
166	130.3		102.7	154.1
129	87.6		70.3	105.5
131	87.7		68.2	102.4





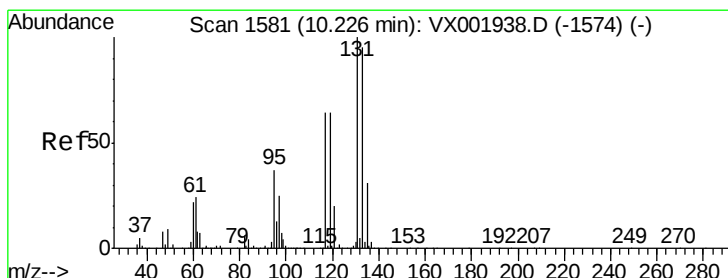
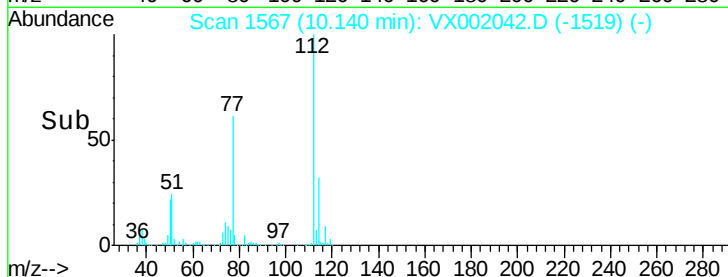
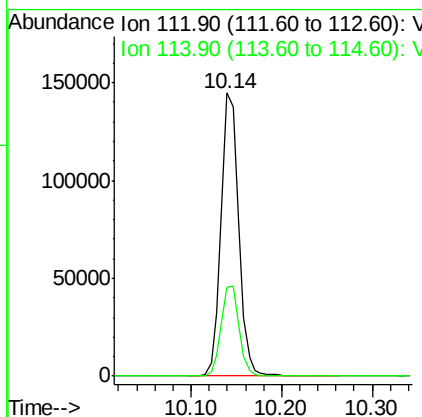
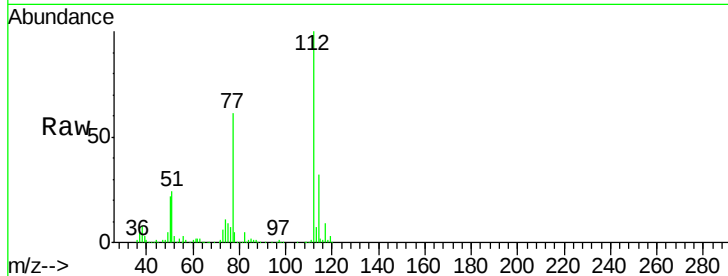
#65
Chlorobenzene
Concen: 18.97 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion:112 Resp: 197936
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

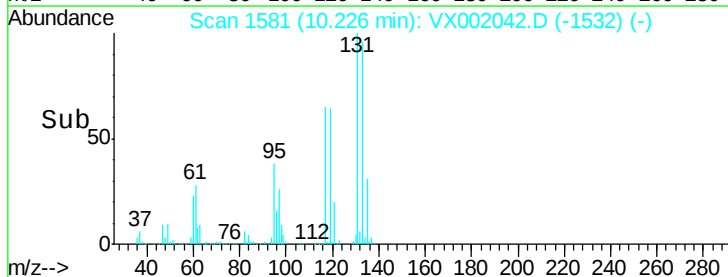
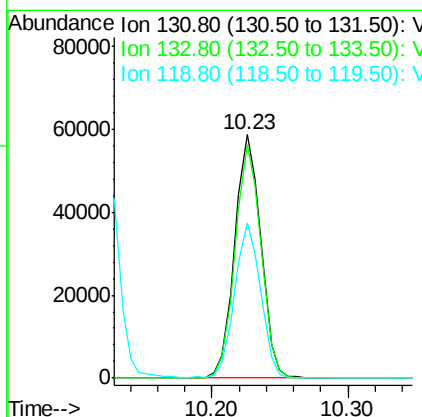
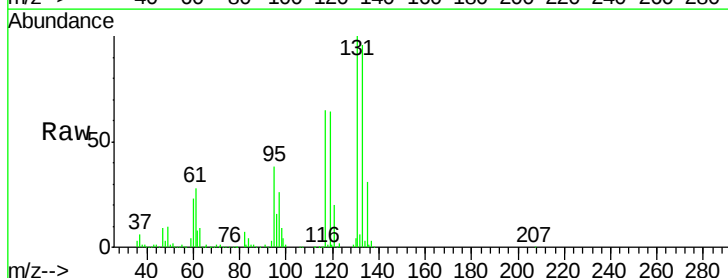
Manual Integrations
APPROVED

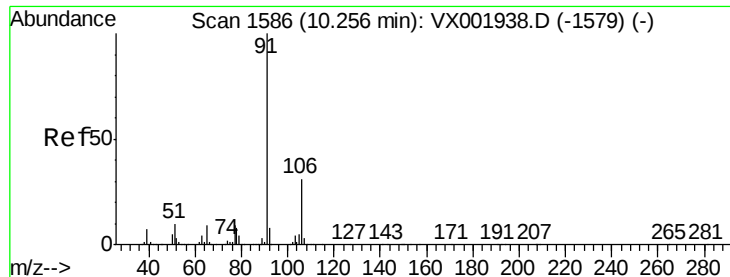
MMDadoda
5/30/2018 1:50:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.62 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion:131 Resp: 78474
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 63.8 31.9 95.5





#67

Ethyl Benzene

Concen: 19.01 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 91 Resp: 344702

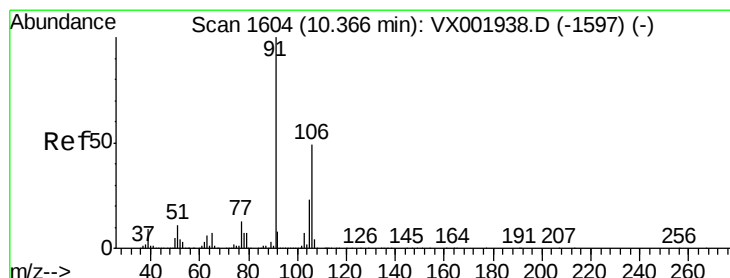
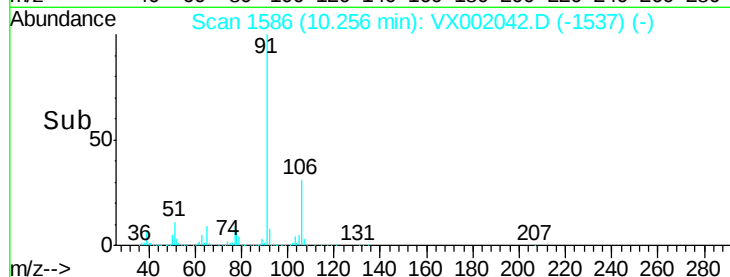
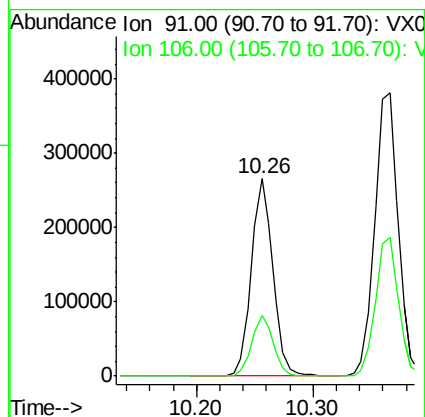
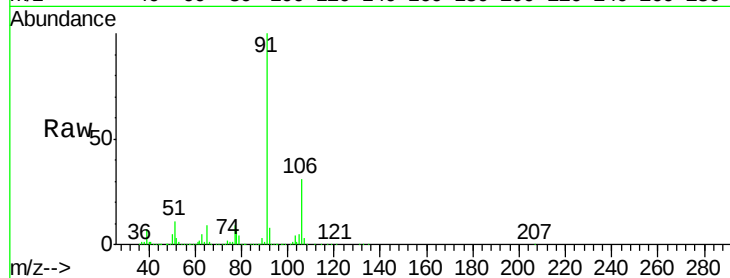
Ion Ratio Lower Upper

91 100

106 31.0 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.45 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002042.D

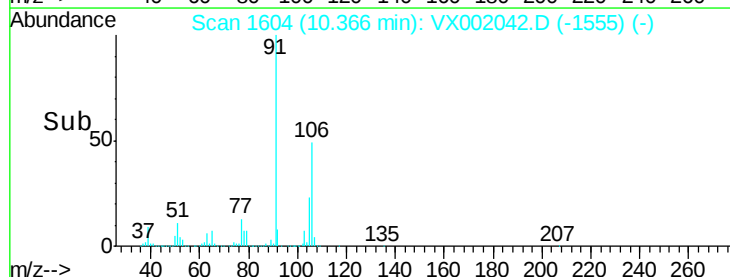
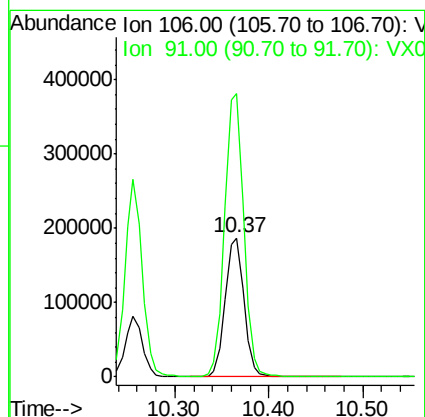
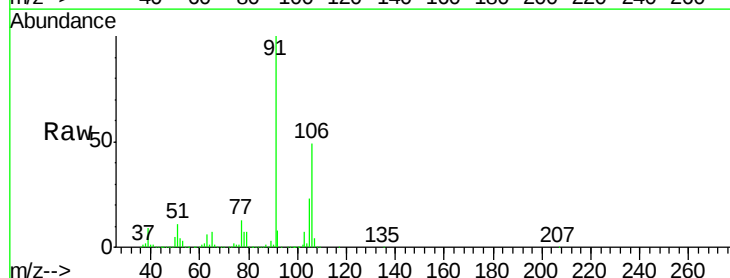
Acq: 27 May 2018 02:32

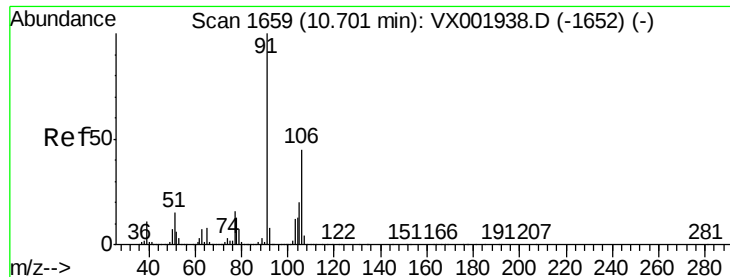
Tgt Ion: 106 Resp: 259523

Ion Ratio Lower Upper

106 100

91 207.5 165.0 247.6





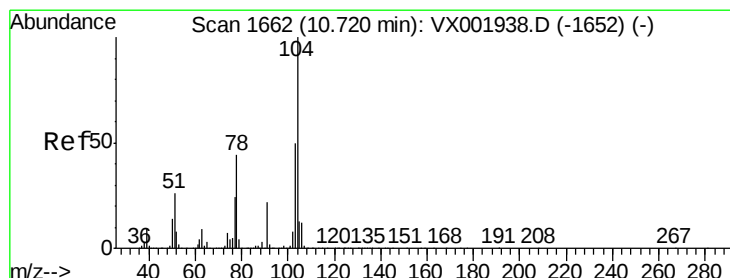
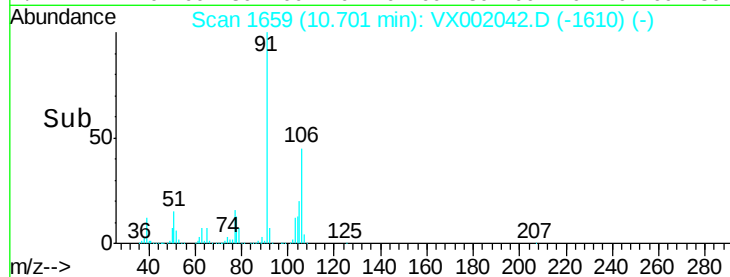
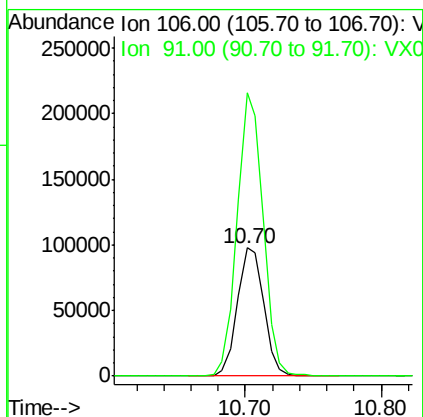
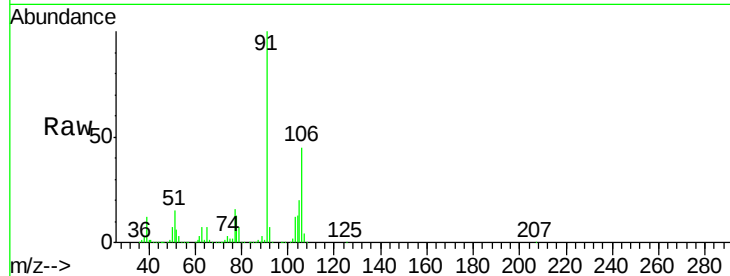
#69
o-Xylene
Concen: 19.11 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.8	108.7	325.9

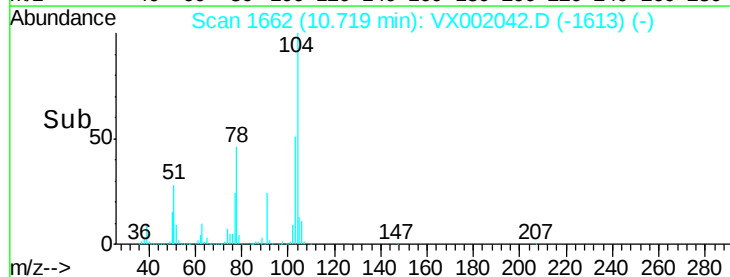
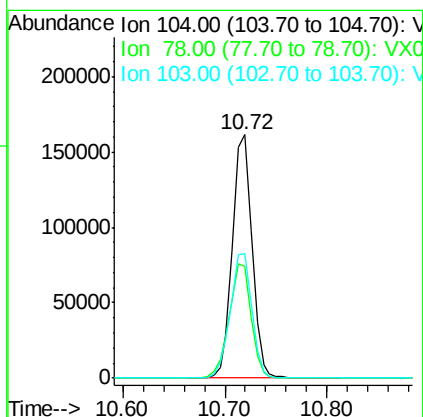
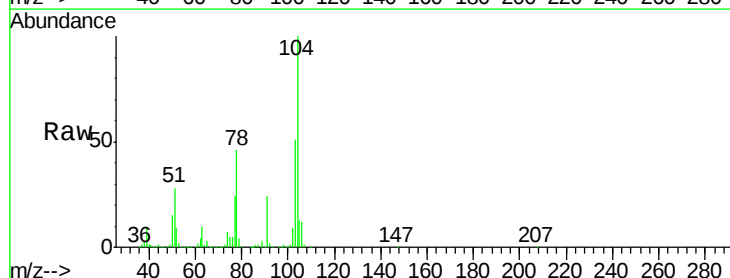
Manual Integrations
APPROVED

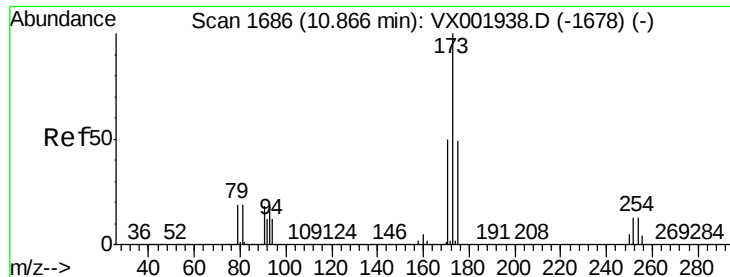
MMDadoda
5/30/2018 1:50:13 PM



#70
Styrene
Concen: 18.74 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.8	62.6
103	56.4	44.6	67.0





#71

Bromoform

Concen: 16.49 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

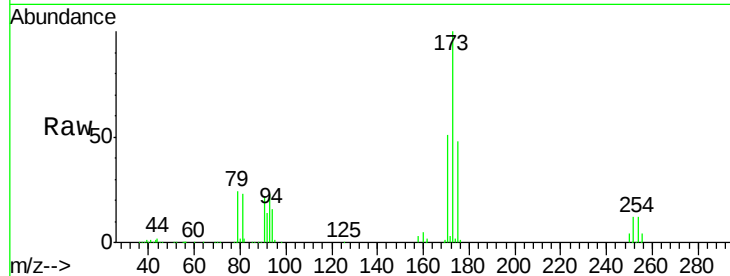
ClientSampleId :

VX0526WBSD02

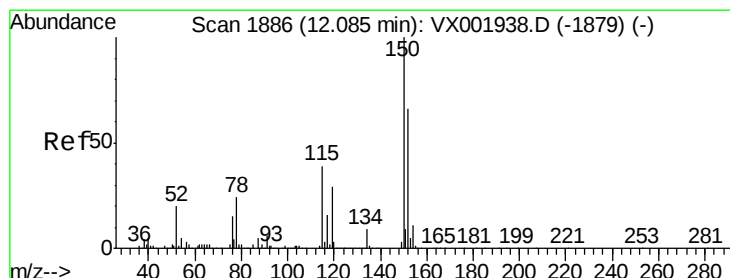
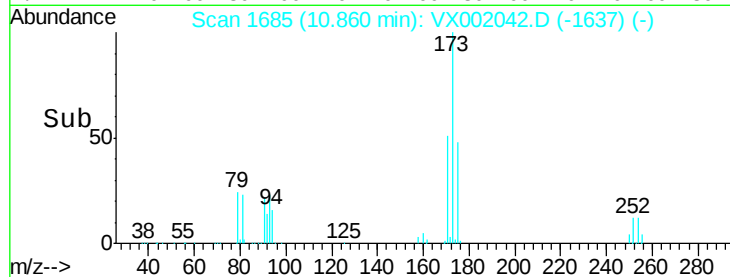
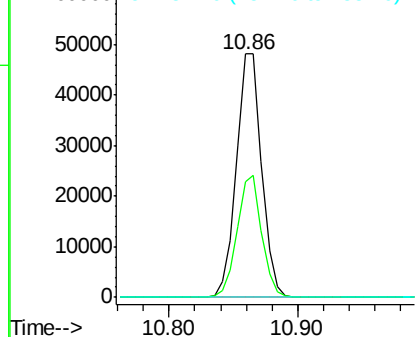
Tot Ion:	173	Resp:	65887
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.3	72.9
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

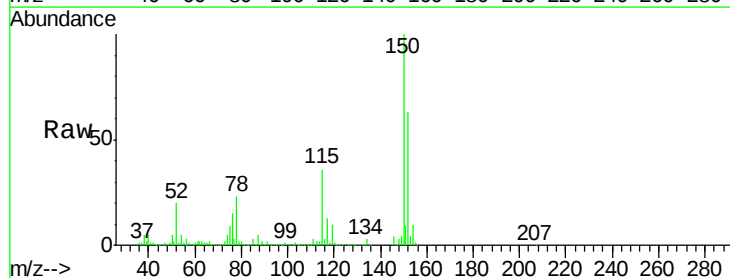
RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

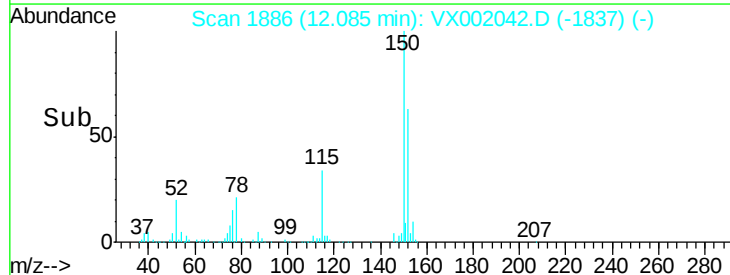
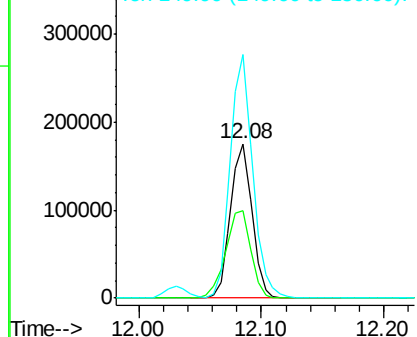
Lab File: VX002042.D

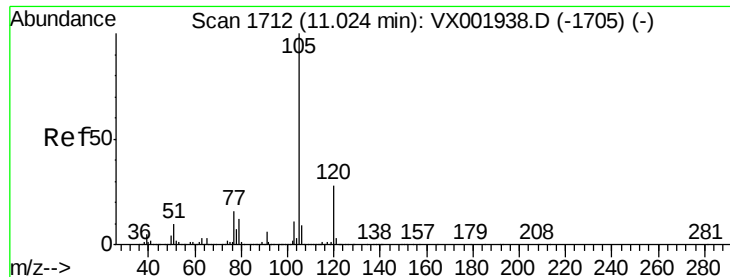
Acq: 27 May 2018 02:32

Tgt Ion:	152	Resp:	212561
Ion Ratio	Lower	Upper	
152	100		
115	66.9	42.3	126.8
150	164.5	0.0	351.0



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: 19.60 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion:105 Resp: 352778

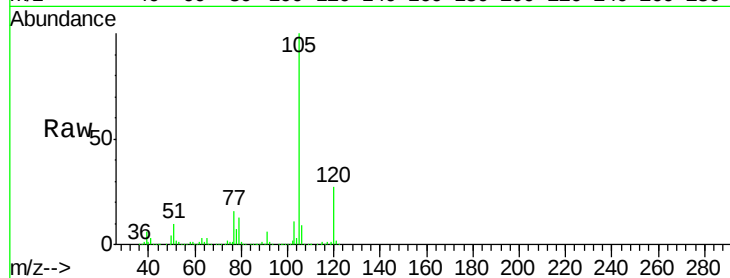
Ion Ratio Lower Upper

105 100

120 26.5 13.6 40.7

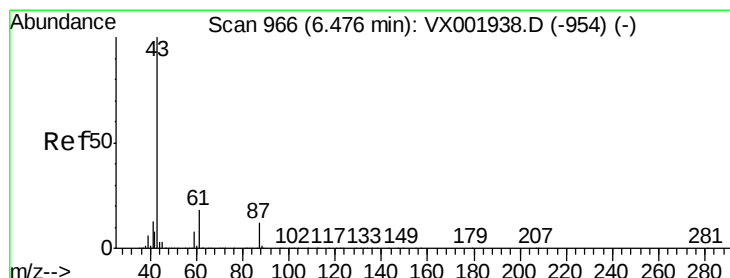
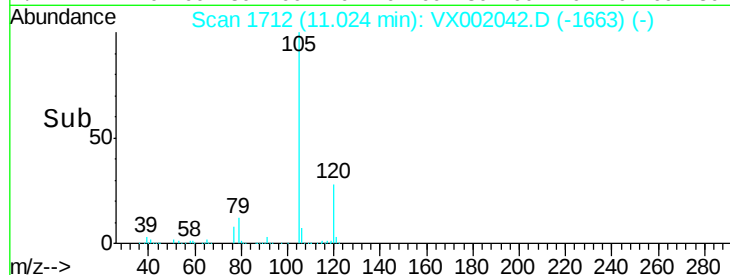
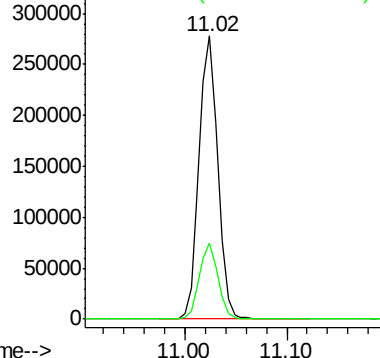
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.03 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion: 43 Resp: 204684

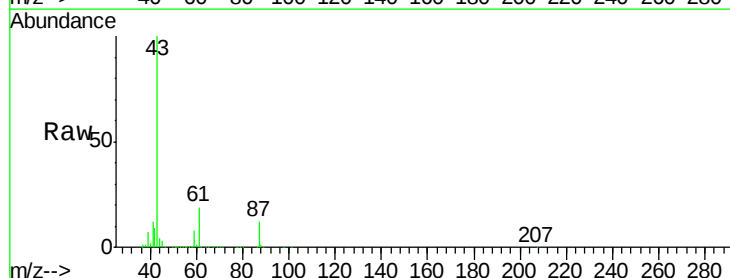
Ion Ratio Lower Upper

43 100

70 0.1 0.1 0.1#

55 0.1 0.1 0.1

61 18.3 14.5 21.7

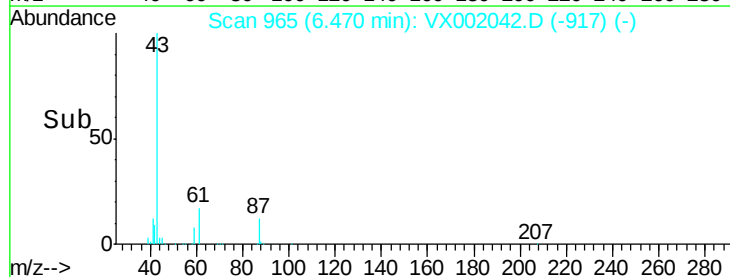
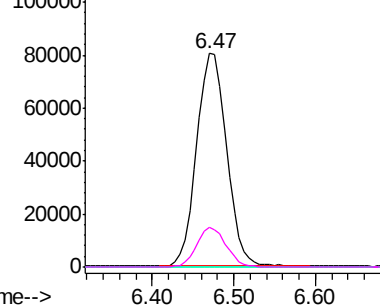


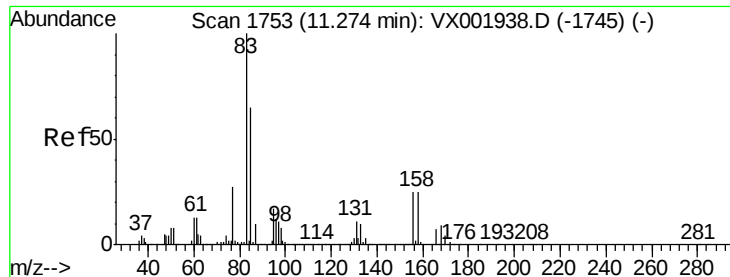
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.50 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 83 Resp: 109377

Ion Ratio Lower Upper

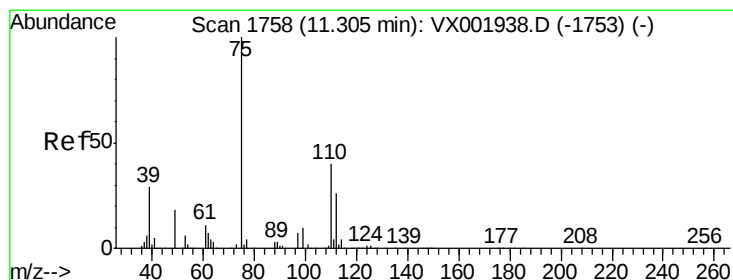
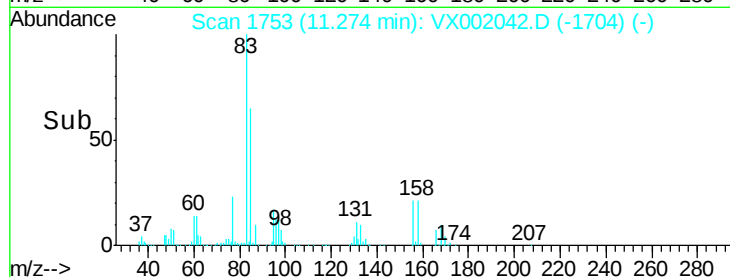
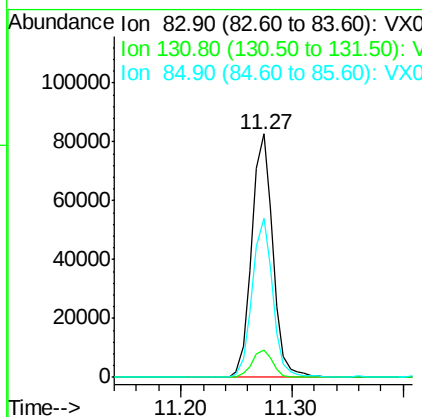
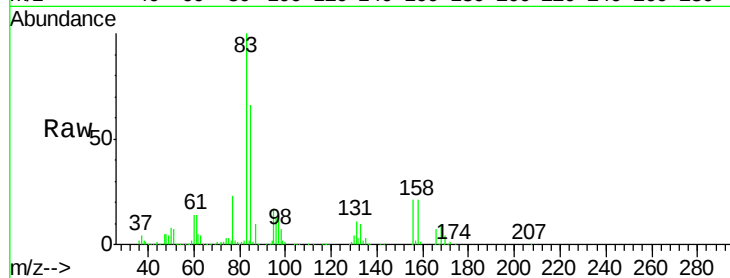
83 100

131 11.1 5.7 17.0

85 63.9 32.6 97.7

Manual Integrations
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5/30/2018 1:50:13 PM



#76

1,2,3-Trichloropropane

Concen: 22.26 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VX002042.D

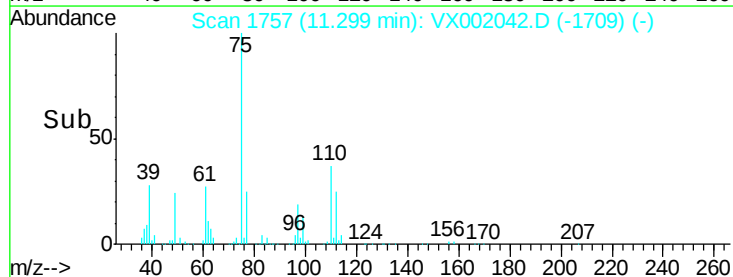
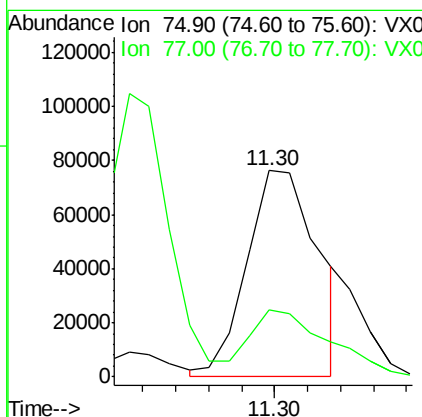
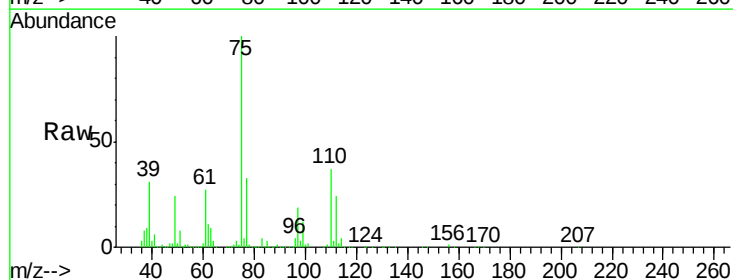
Acq: 27 May 2018 02:32

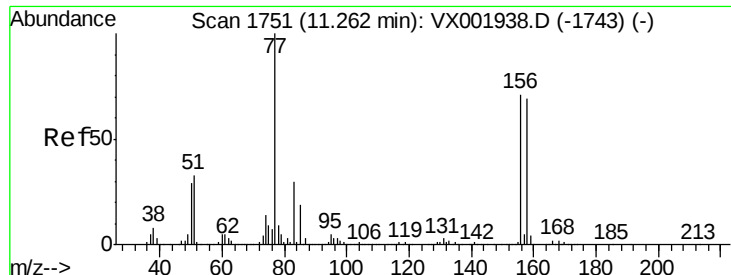
Tgt Ion: 75 Resp: 113655

Ion Ratio Lower Upper

75 100

77 37.6 22.8 68.3





#77

Bromobenzene

Concen: 19.71 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion:156 Resp: 94139

Ion Ratio Lower Upper

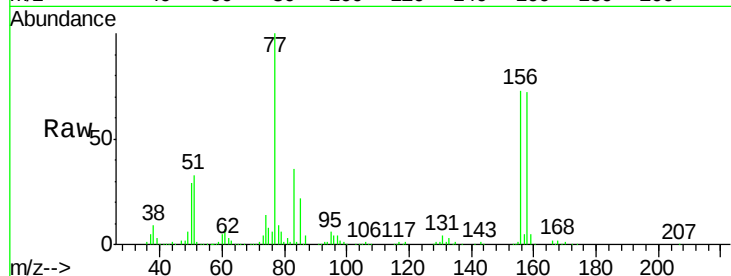
156 100

77 145.6 75.2 225.6

158 99.3 48.6 145.8

Manual Integrations
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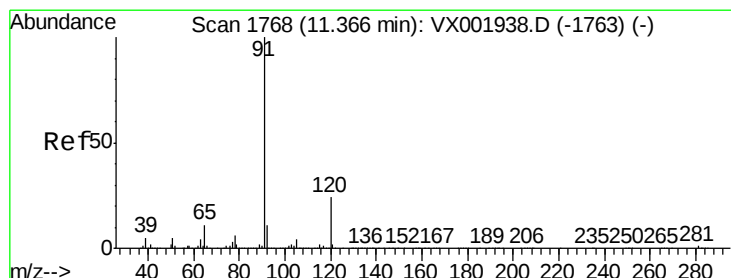
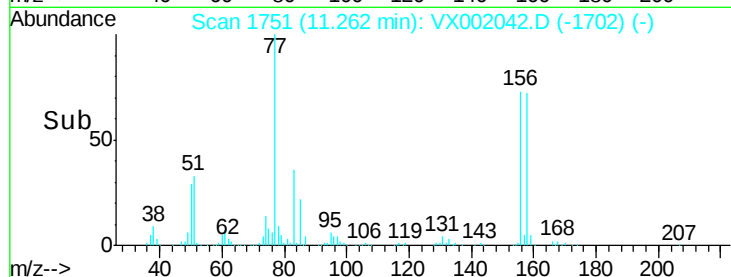
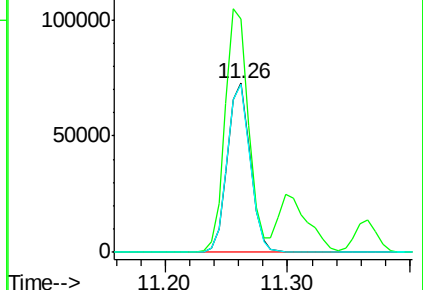
MMDadoda
5/30/2018 1:50:13 PM



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: 18.98 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002042.D

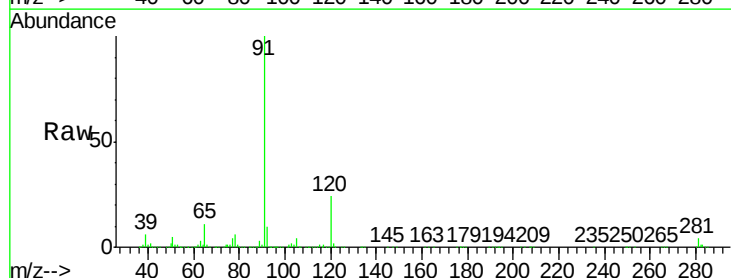
Acq: 27 May 2018 02:32

Tgt Ion: 91 Resp: 382583

Ion Ratio Lower Upper

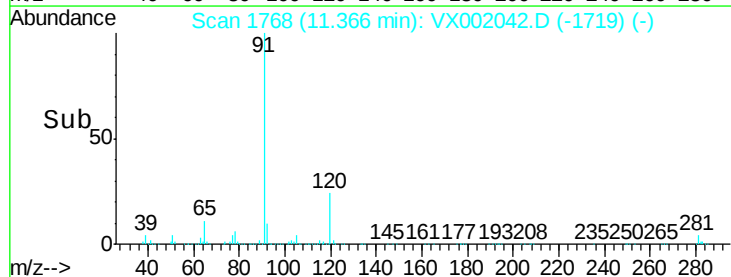
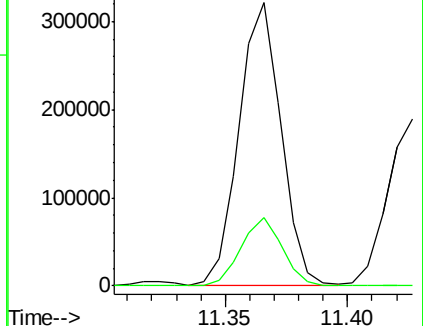
91 100

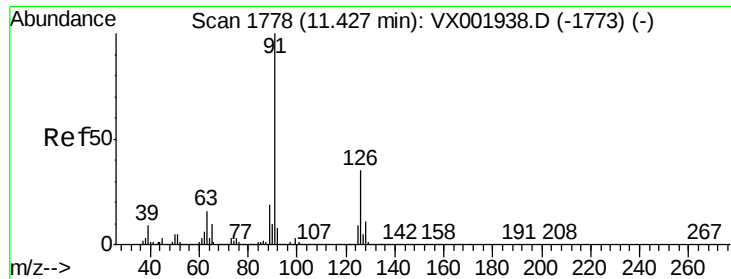
120 23.9 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





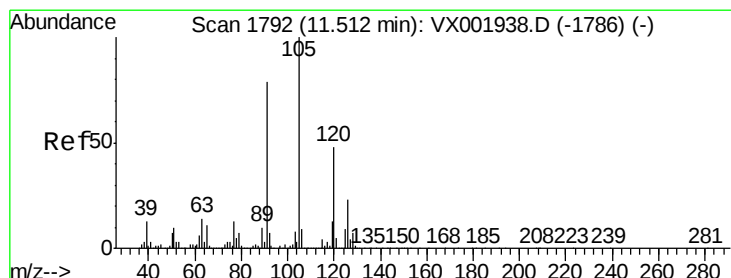
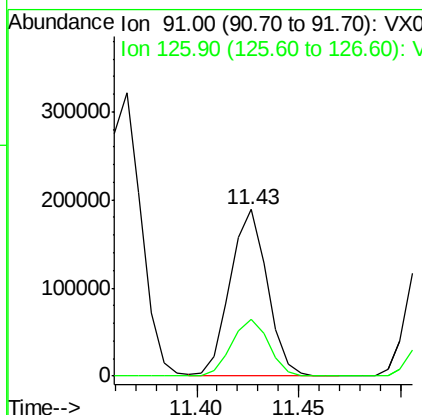
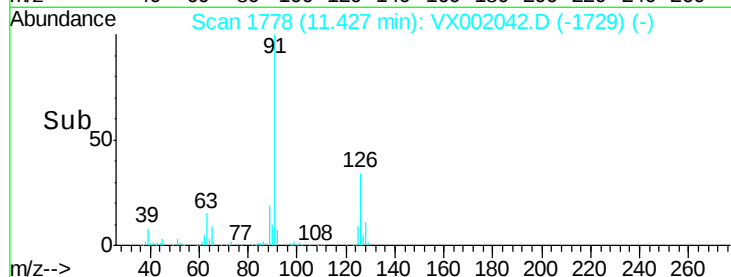
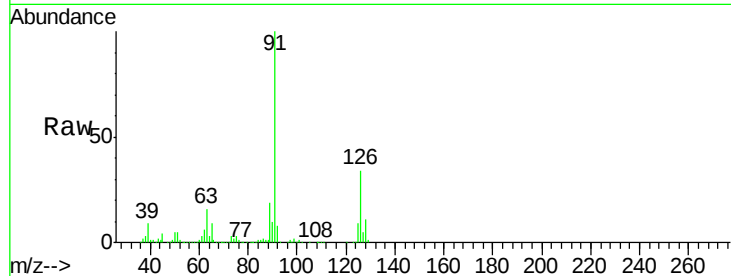
#79
 2-Chlorotoluene
 Concen: 19.99 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBSD02

Tot Ion: 91 Resp: 236322
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.4 52.2

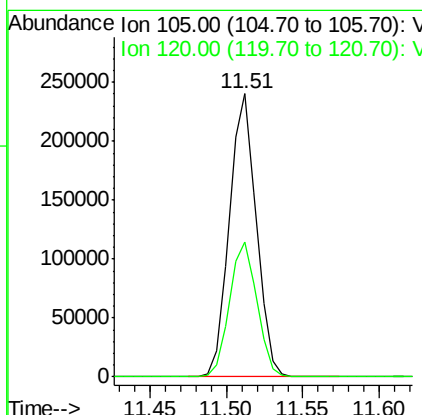
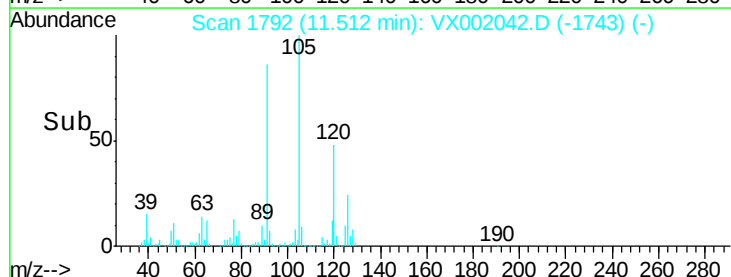
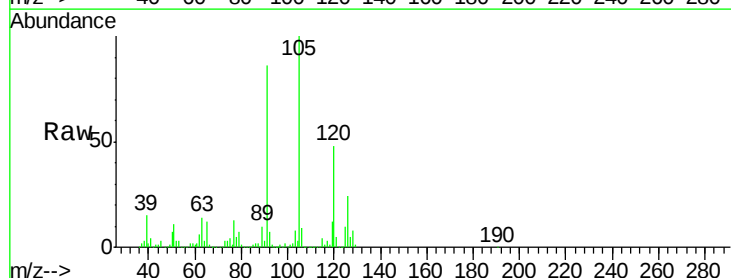
Manual Integrations
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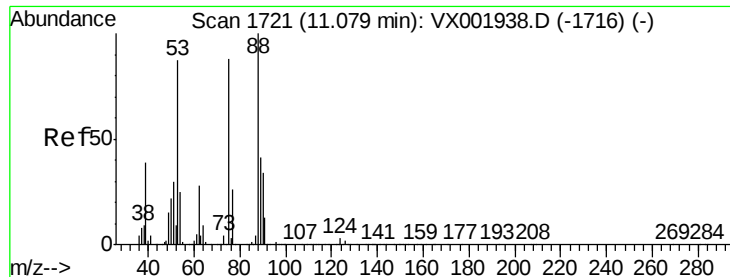
MMDadoda
 5/30/2018 1:50:13 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.00 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion: 105 Resp: 292278
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 14.97 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion: 75 Resp: 31800

Ion Ratio Lower Upper

75 100

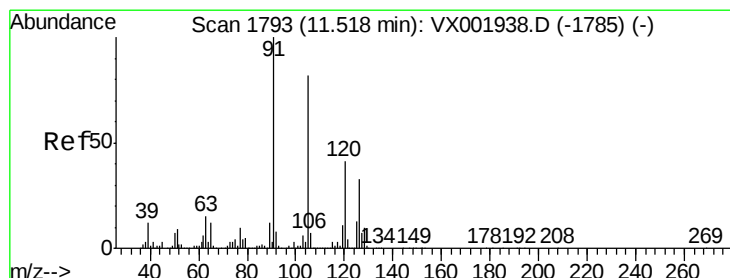
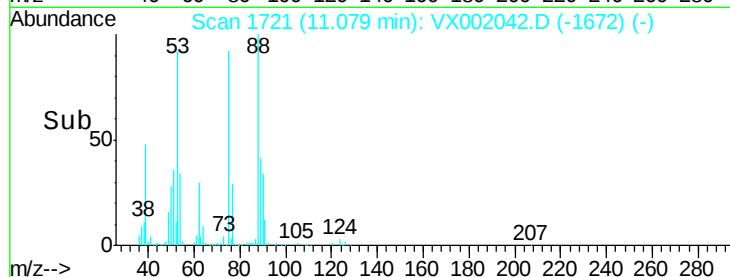
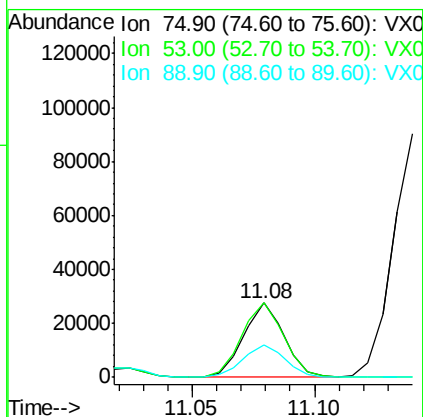
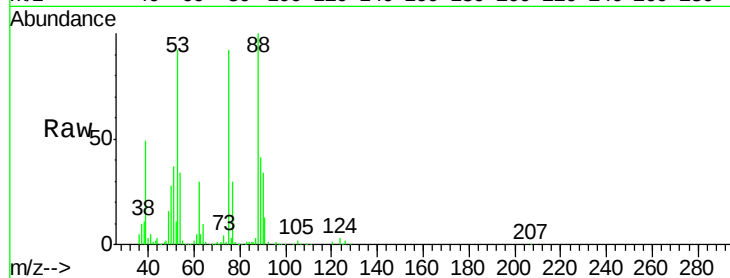
53 105.7 78.0 117.0

89 45.9 39.4 59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.97 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.01 min

Lab File: VX002042.D

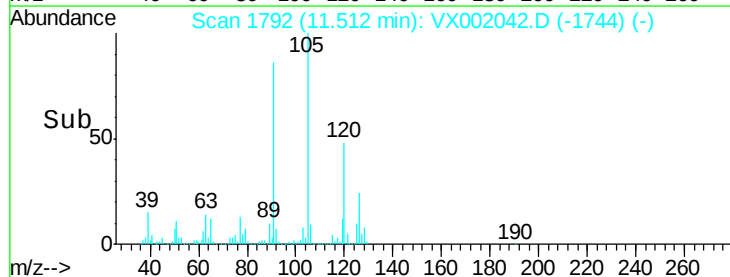
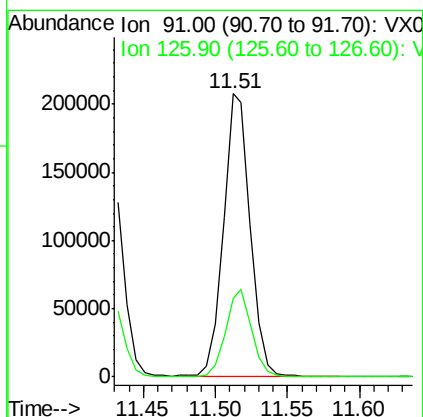
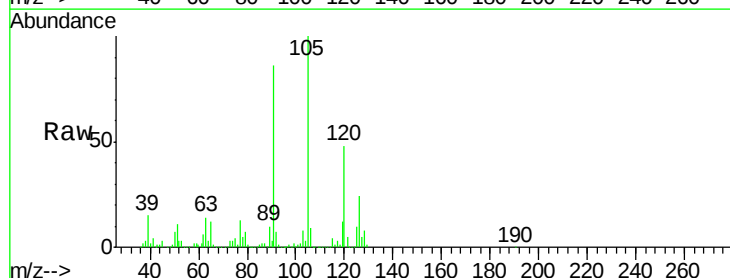
Acq: 27 May 2018 02:32

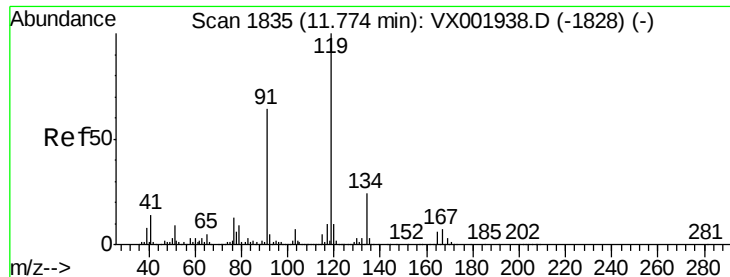
Tgt Ion: 91 Resp: 269667

Ion Ratio Lower Upper

91 100

126 30.2 15.3 45.8





#83

tert-Butylbenzene

Concen: 19.23 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

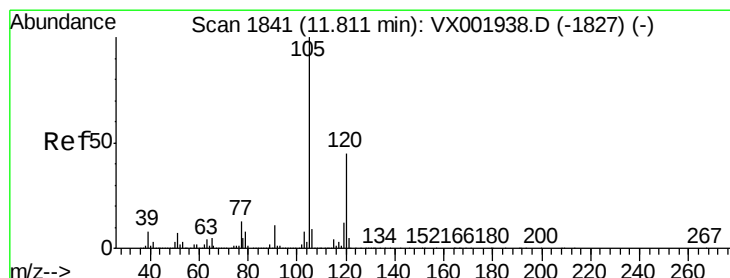
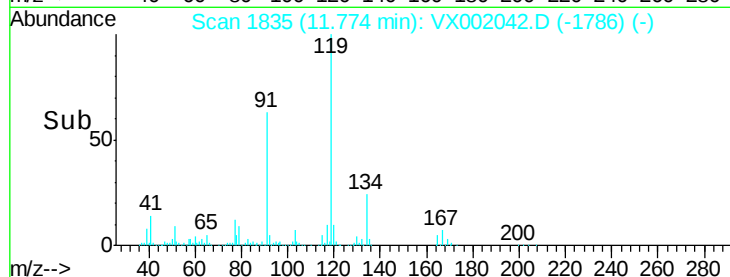
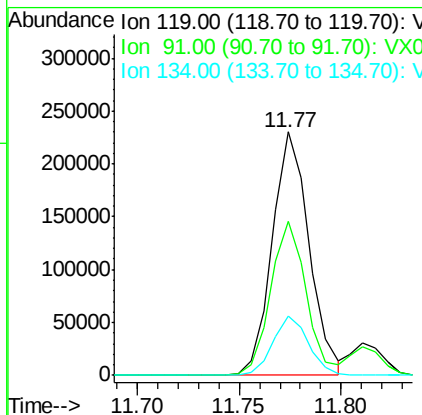
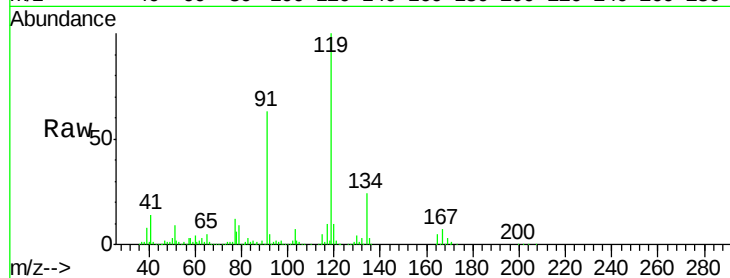
ClientSampleId :

VX0526WBSD02

Tot Ion:	119	Resp:	290349
Ion Ratio	Lower	Upper	
119	100		
91	61.0	30.6	91.8
134	23.5	11.7	35.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.92 ug/l

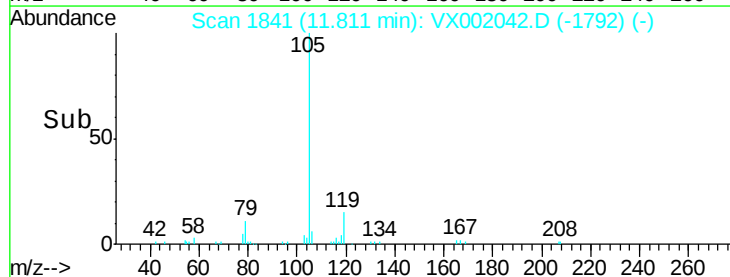
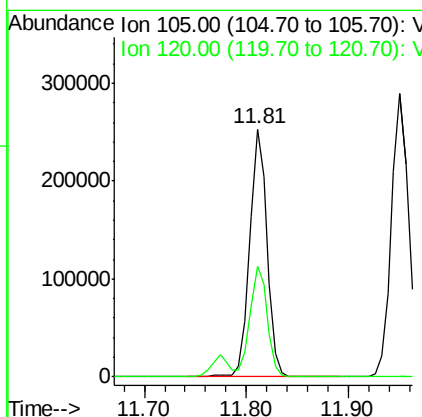
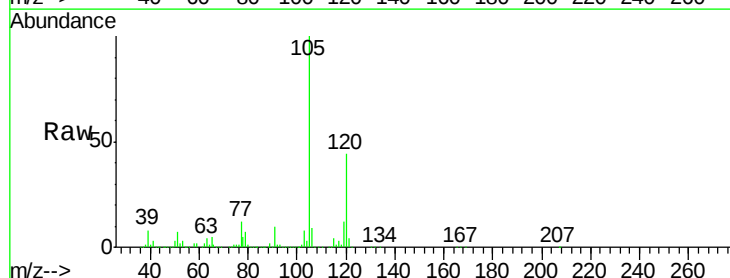
RT: 11.81 min Scan# 1841

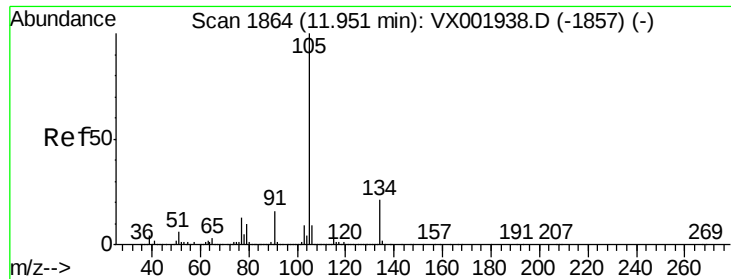
Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion:	105	Resp:	300714
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.02 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

VX0526WBSD02

Tot Ion:105 Resp: 345074

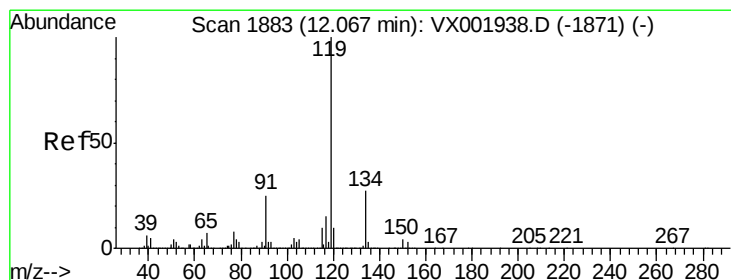
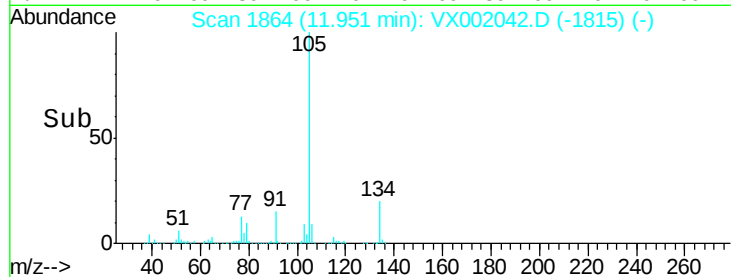
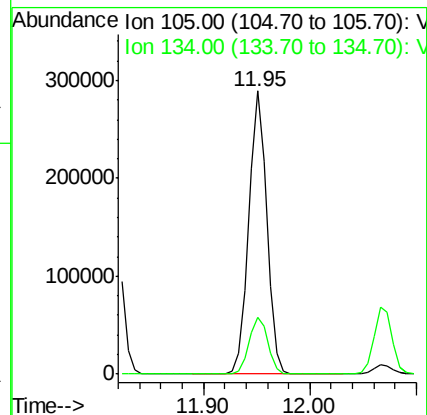
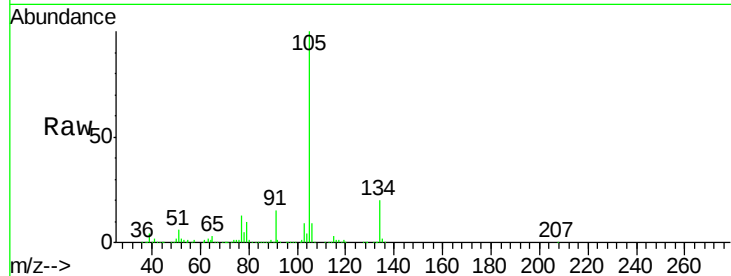
Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.85 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

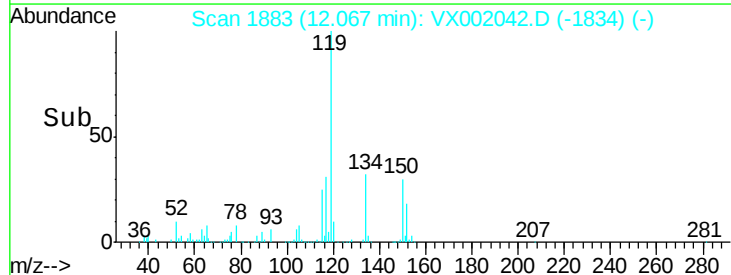
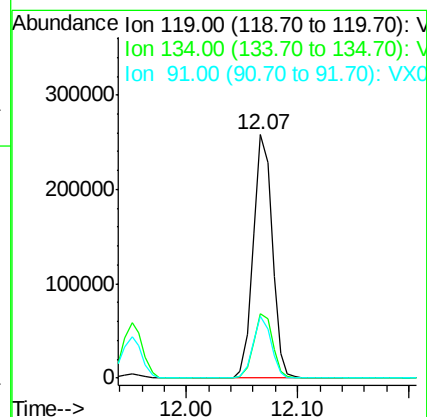
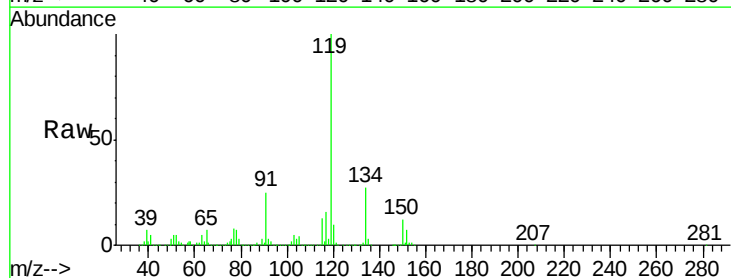
Tgt Ion:119 Resp: 306027

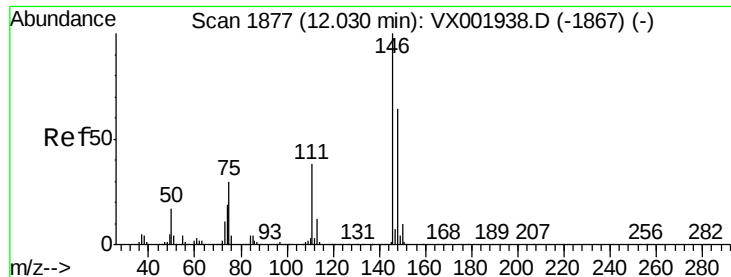
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 24.2 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 19.22 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

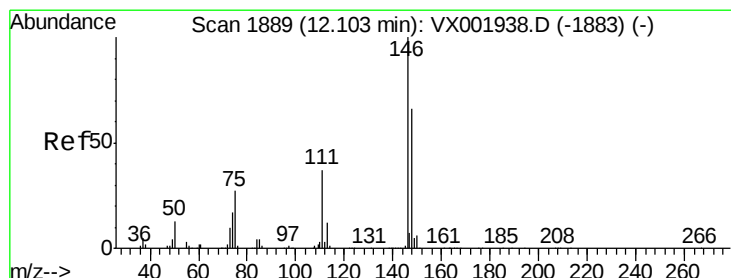
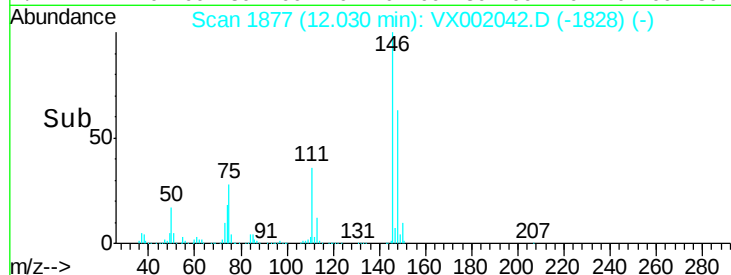
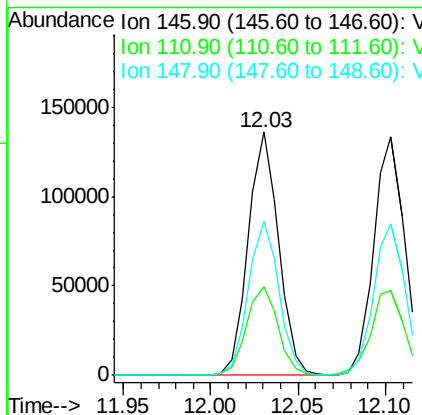
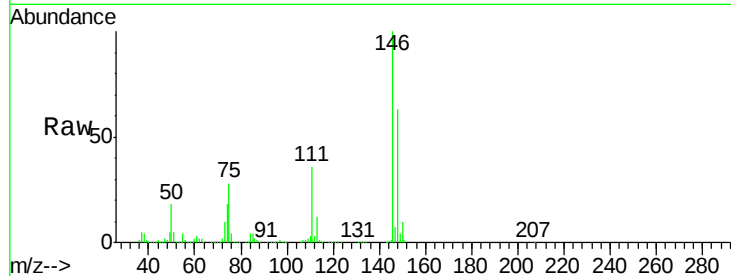
ClientSampleId :

VX0526WBSD02

Tot Ion:	146	Resp:	164372
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.3	57.8
148	64.4	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.10 ug/l

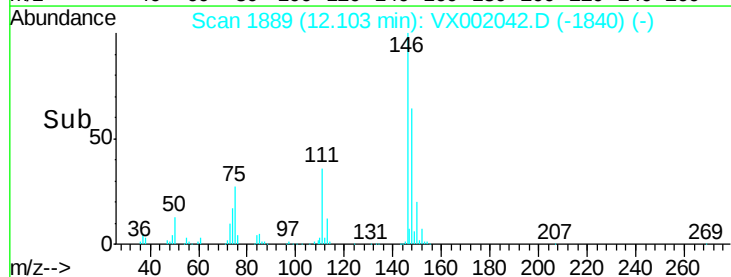
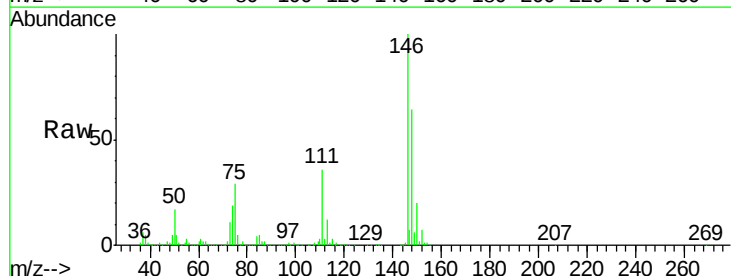
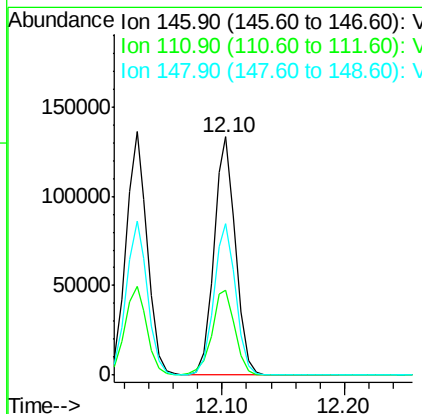
RT: 12.10 min Scan# 1889

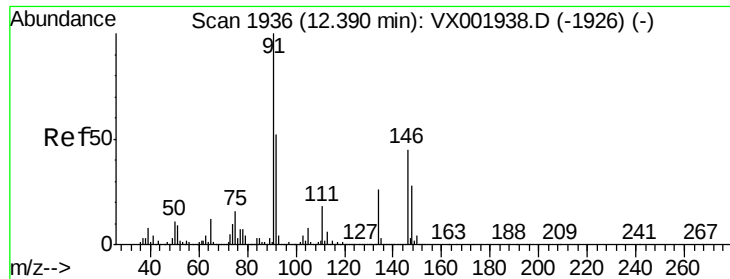
Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion:	146	Resp:	163288
Ion Ratio	Lower	Upper	
146	100		
111	38.4	18.9	56.5
148	64.5	32.3	96.8





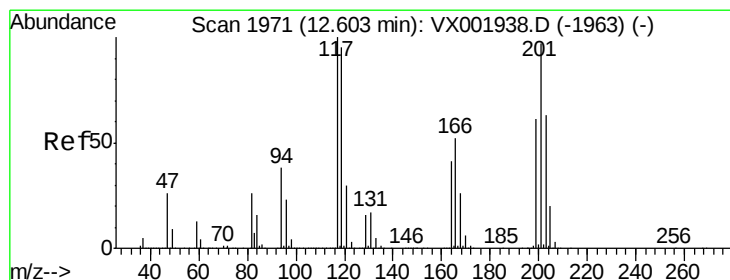
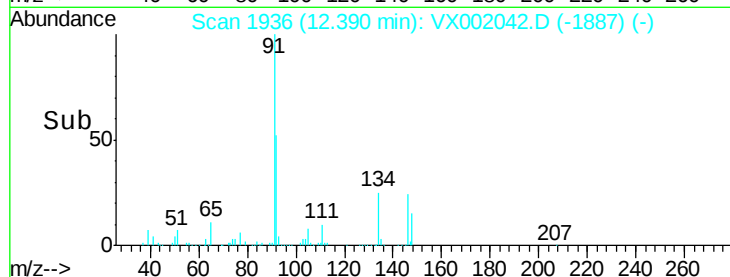
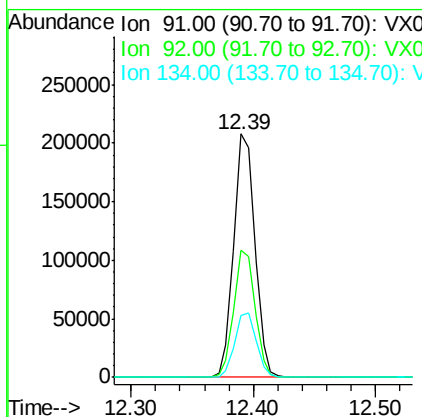
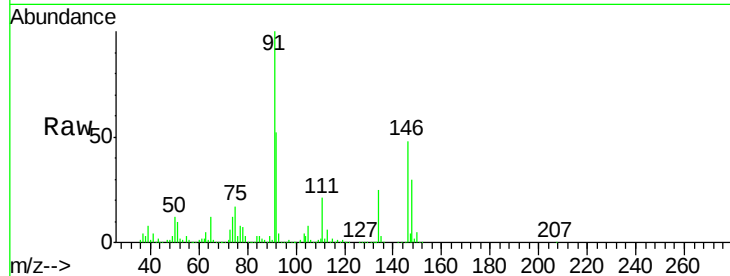
#89
n-Butylbenzene
Concen: 17.95 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
VX0526WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	247031		
92	52.1	26.3	78.9	
134	26.9	13.6	40.7	

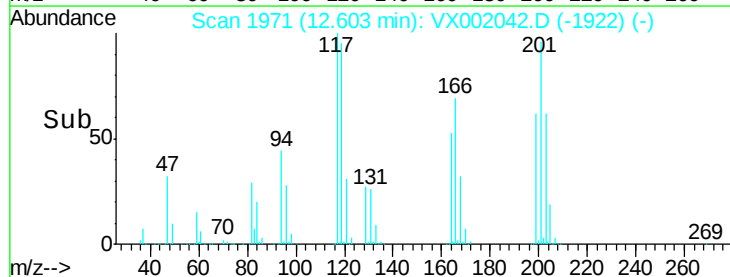
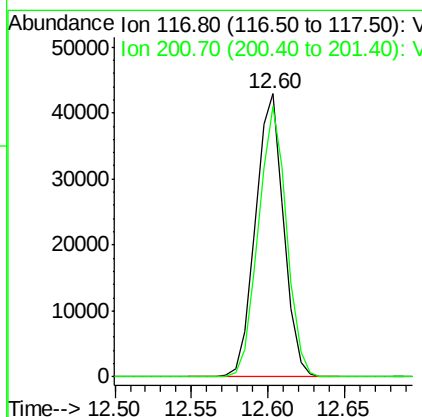
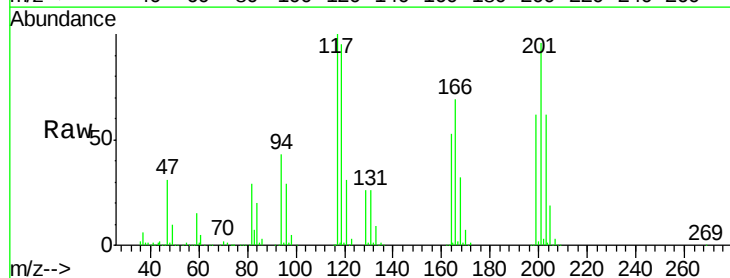
Manual Integrations
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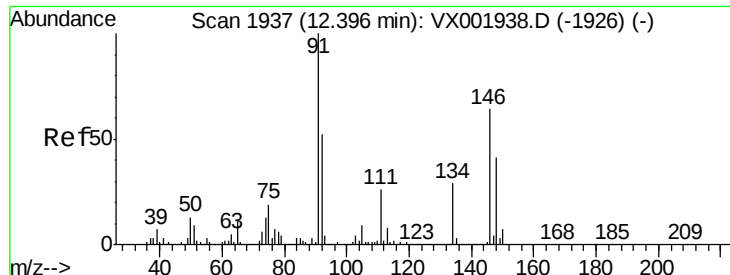
MMDadoda
5/30/2018 1:50:13 PM



#90
Hexachloroethane
Concen: 17.12 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002042.D
Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	54820		
201	96.2	48.0	144.0	





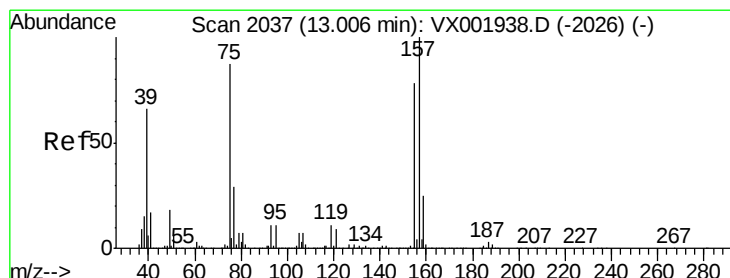
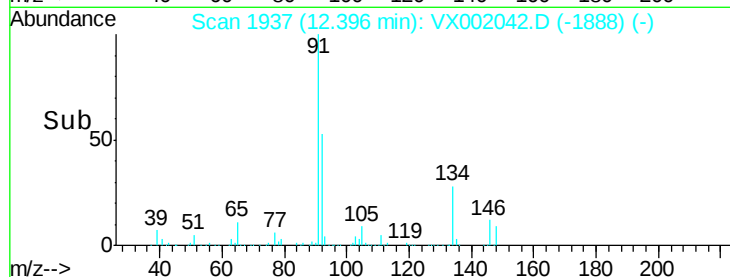
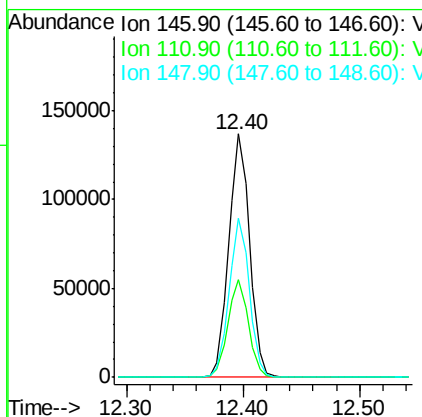
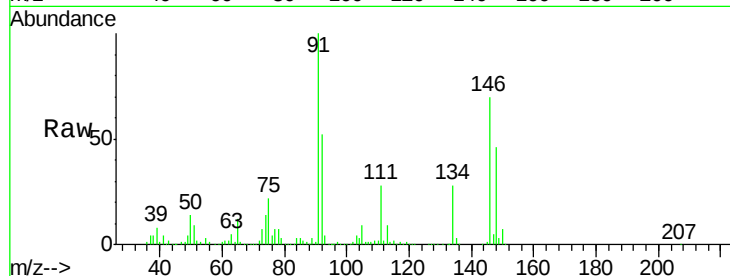
#91
 1,2-Dichlorobenzene
 Concen: 19.58 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	63.6	32.1	96.5

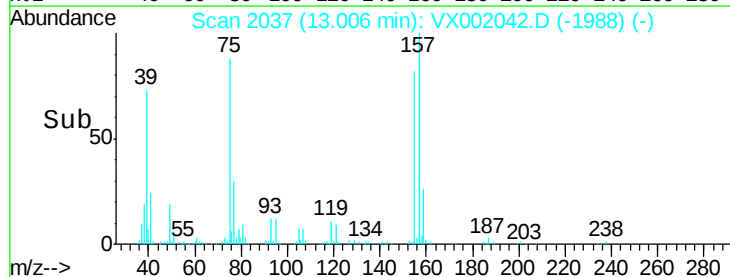
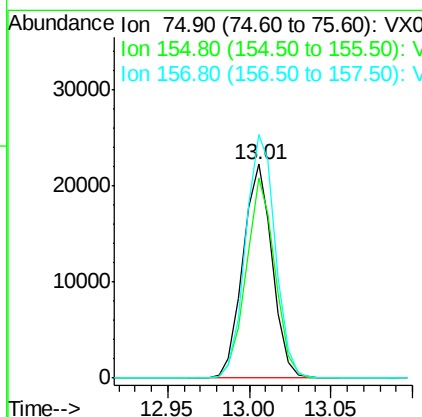
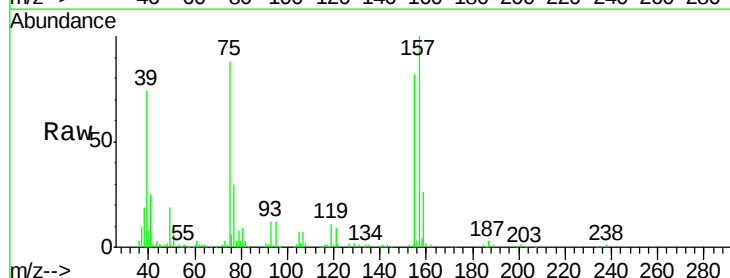
Manual Integrations
 APPROVED

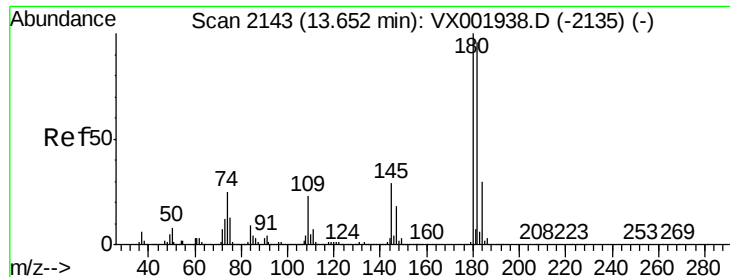
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.43 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	45.1	135.2
157	115.5	58.1	174.2





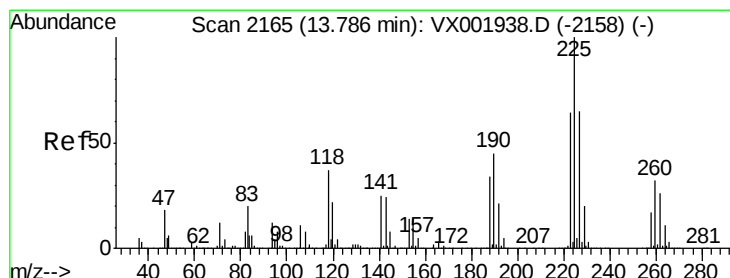
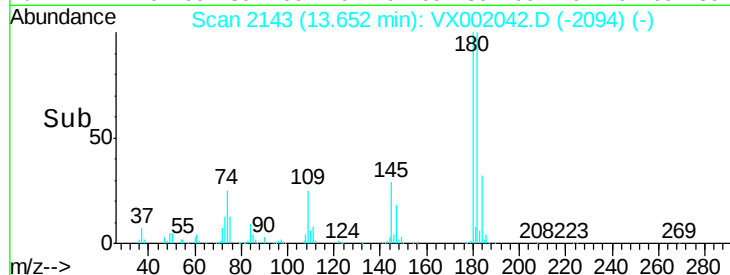
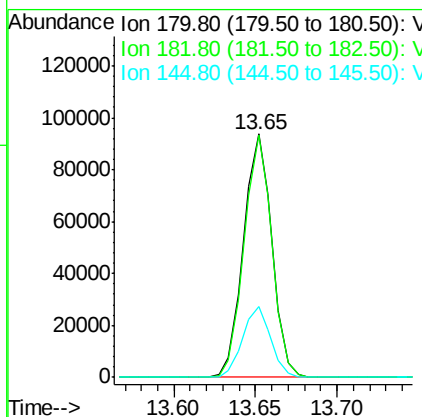
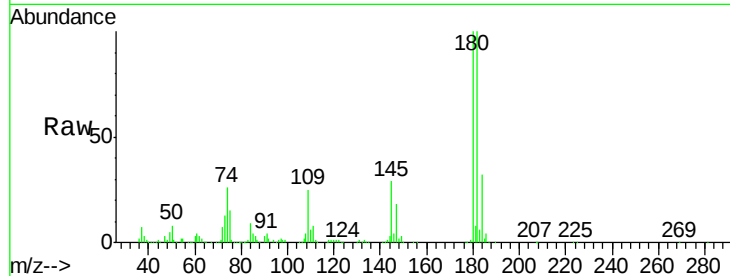
#93
 1,2,4-Trichlorobenzene
 Concen: 18.29 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0526WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.7	143.1
145	28.9	14.4	43.0

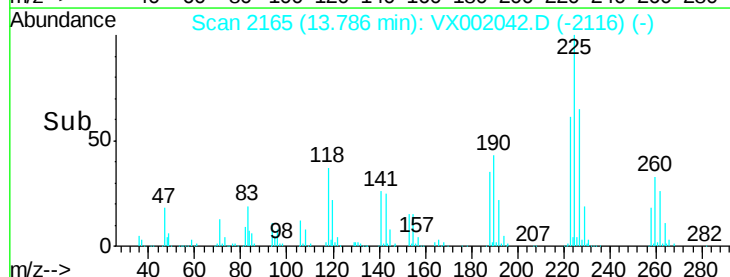
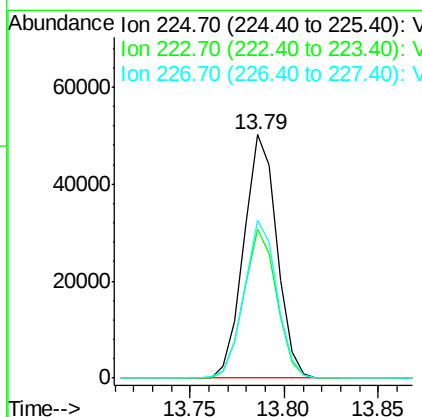
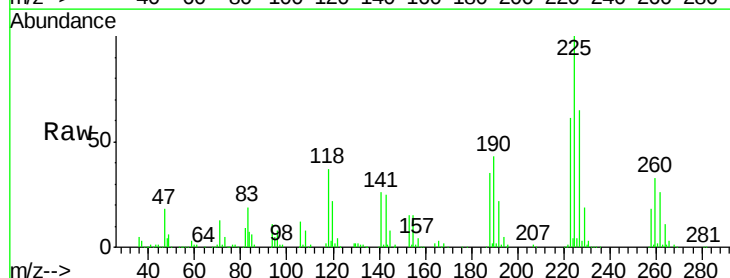
Manual Integrations
 APPROVED

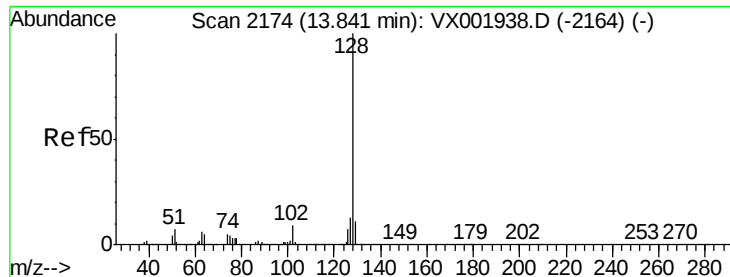
MMDadoda
 5/30/2018 1:50:13 PM



#94
 Hexachlorobutadiene
 Concen: 18.24 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002042.D
 Acq: 27 May 2018 02:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.1	93.5
227	64.0	32.1	96.5





#95

Naphthalene

Concen: 19.39 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Instrument :

MSVOA_X

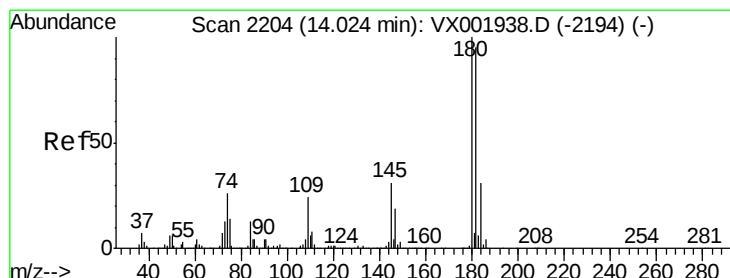
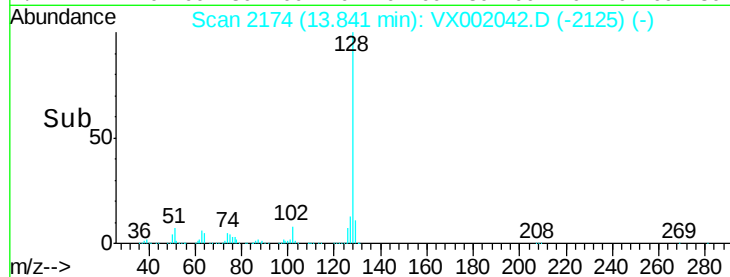
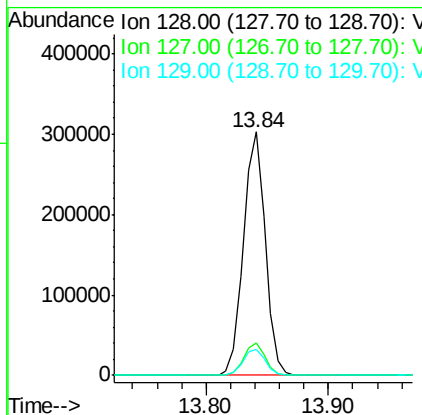
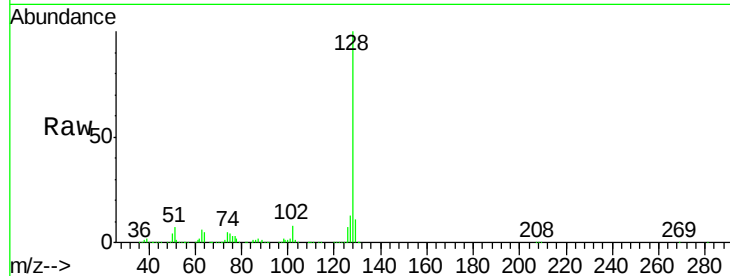
ClientSampleId :

VX0526WBSD02

Tot Ion:	128	Resp:	372311
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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5/30/2018 1:50:13 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.02 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX002042.D

Acq: 27 May 2018 02:32

Tgt Ion:	180	Resp:	122631
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.9	143.6
145	29.7	15.1	45.3

