

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001188.D
 Acq On : 27 Apr 2018 23:43
 Operator : JC/MD
 Sample : VX0427WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:04:41 PM

Quant Time: Apr 28 04:16:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	205572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	280503	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	179946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	142654	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
35) Dibromofluoromethane	5.51	113	115517	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	8.72	98	437664	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.14	95	164580	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	43692	20.27	ug/l	99
3) Chloromethane	1.32	50	41730	18.48	ug/l	98
4) Vinyl Chloride	1.40	62	46122	19.25	ug/l	97
5) Bromomethane	1.64	94	35825	23.25	ug/l	99
6) Chloroethane	1.73	64	29505	19.57	ug/l	98
7) Trichlorofluoromethane	1.93	101	81113	20.97	ug/l	97
8) Diethyl Ether	2.19	74	28372	19.07	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	44962	21.09	ug/l	99
10) Methyl Iodide	2.51	142	29418	18.59	ug/l	100
11) Tert butyl alcohol	3.07	59	56966	90.65	ug/l	98
12) 1,1-Dichloroethene	2.38	96	41749	20.08	ug/l	91
13) Acrolein	2.30	56	15728	66.21	ug/l	92
14) Allyl chloride	2.73	41	73432	19.36	ug/l	98
15) Acrylonitrile	3.15	53	118834	88.56	ug/l	98
16) Acetone	2.45	43	111351	84.97	ug/l	98
17) Carbon Disulfide	2.57	76	97515	18.38	ug/l	100
18) Methyl Acetate	2.78	43	62310	19.00	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	146542	19.15	ug/l	99
20) Methylene Chloride	2.86	84	46675	19.12	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	44959	19.56	ug/l	98
22) Diisopropyl ether	3.88	45	140339	18.50	ug/l	94
23) Vinyl Acetate	3.83	43	588944	91.49	ug/l	99
24) 1,1-Dichloroethane	3.70	63	77574	19.45	ug/l	98
25) 2-Butanone	4.71	43	164707	84.00	ug/l	99
26) 2,2-Dichloropropane	4.59	77	49670	15.82	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	48511	19.28	ug/l	99
28) Bromochloromethane	5.03	49	31560	17.65	ug/l	98
29) Tetrahydrofuran	5.17	42	106991	84.87	ug/l	99
30) Chloroform	5.23	83	82228	19.39	ug/l	100
31) Cyclohexane	5.58	56	67029	19.78	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	71519	19.54	ug/l	98
36) 1,1-Dichloropropene	5.81	75	59787	19.34	ug/l	99
37) Ethyl Acetate	4.87	43	64039	17.30	ug/l	100
38) Carbon Tetrachloride	5.79	117	62287	19.65	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	67552	19.75	ug/l	97
40) Benzene	6.15	78	179719	20.10	ug/l	100
41) Methacrylonitrile	5.07	41	37053	17.81	ug/l	99
42) 1,2-Dichloroethane	6.20	62	70743	19.63	ug/l	100
43) Isopropyl Acetate	6.48	43	102398	17.61	ug/l	99
44) Trichloroethene	7.22	130	53602	20.12	ug/l	96
45) 1,2-Dichloropropane	7.52	63	44972	19.12	ug/l	98
46) Dibromomethane	7.67	93	32378	19.88	ug/l	99
47) Bromodichloromethane	7.90	83	56788	19.19	ug/l	98
48) Methyl methacrylate	7.79	41	55535	17.97	ug/l	99
49) 1,4-Dioxane	7.76	88	21741	351.42	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	350959	91.90	ug/l	97
52) Toluene	8.79	92	117747	20.14	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	64623	18.79	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	59611	18.13	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	48472	19.59	ug/l	99
56) Ethyl methacrylate	9.19	69	68136	18.59	ug/l	98
57) 1,3-Dichloropropane	9.38	76	79670	19.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	159918	92.29	ug/l	99
59) 2-Hexanone	9.51	43	264606	88.44	ug/l	99
60) Dibromochloromethane	9.59	129	48245	18.92	ug/l	99
61) 1,2-Dibromoethane	9.68	107	51476	19.86	ug/l	99
64) Tetrachloroethene	9.34	164	60876	21.27	ug/l	97
65) Chlorobenzene	10.15	112	139757	19.89	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	48376	19.90	ug/l	99
67) Ethyl Benzene	10.26	91	228817	20.04	ug/l	99
68) m/p-Xylenes	10.37	106	181534	40.22	ug/l	99
69) o-Xylene	10.71	106	87137	19.91	ug/l	99
70) Styrene	10.72	104	144334	19.81	ug/l	100
71) Bromoform	10.86	173	37613	18.20	ug/l	98
73) Isopropylbenzene	11.02	105	235531	20.08	ug/l	100
74) N-amyl acetate	6.48	43	102398	17.33	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	72073	18.52	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	66824m	18.24	ug/l	
77) Bromobenzene	11.26	156	68685	19.75	ug/l	99
78) n-propylbenzene	11.37	91	266151	20.35	ug/l	99
79) 2-Chlorotoluene	11.43	91	161104	19.87	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	198731	20.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	13538	15.69	ug/l	86
82) 4-Chlorotoluene	11.52	91	189618	19.68	ug/l	100
83) tert-Butylbenzene	11.77	119	192027	19.38	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	204465	20.03	ug/l	99
85) sec-Butylbenzene	11.95	105	235045	20.30	ug/l	99
86) p-Isopropyltoluene	12.07	119	215324	20.00	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	124597	19.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	126396	19.43	ug/l	99
89) n-Butylbenzene	12.40	91	178359	19.14	ug/l	99
90) Hexachloroethane	12.60	117	29181	19.03	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	124504	19.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	14659	17.07	ug/l	98

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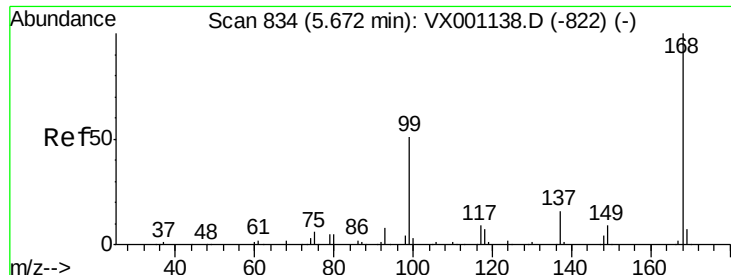
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93346	18.87	ug/l	100
94) Hexachlorobutadiene	13.79	225	43756	18.82	ug/l	99
95) Naphthalene	13.84	128	256470	18.61	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	94606	19.22	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion:168 Resp: 205572

Ion Ratio Lower Upper

168 100

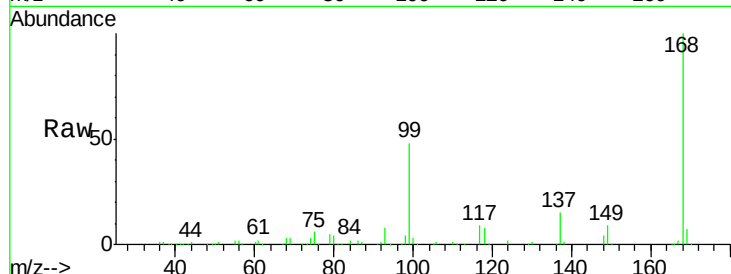
99 48.3 40.6 60.8

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

80000

60000

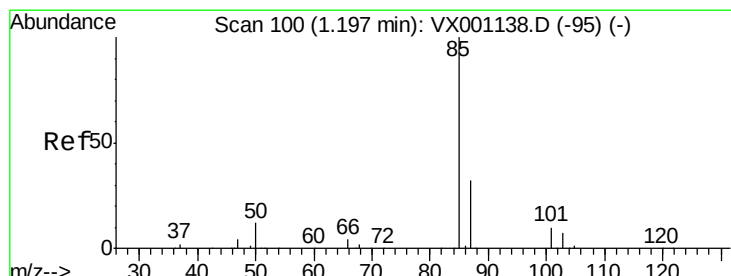
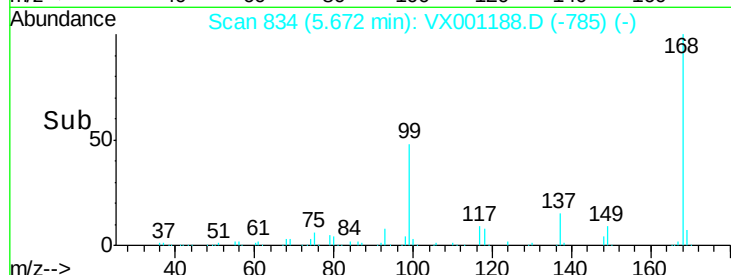
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.27 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001188.D

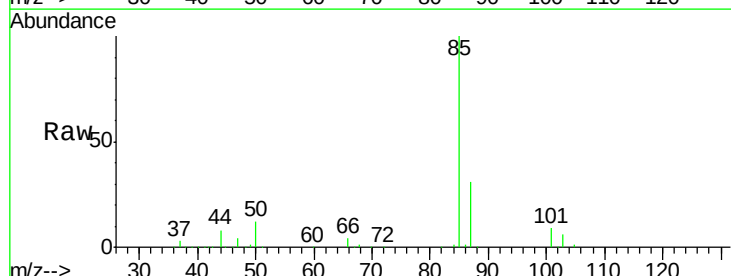
Acq: 27 Apr 2018 23:43

Tgt Ion: 85 Resp: 43692

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

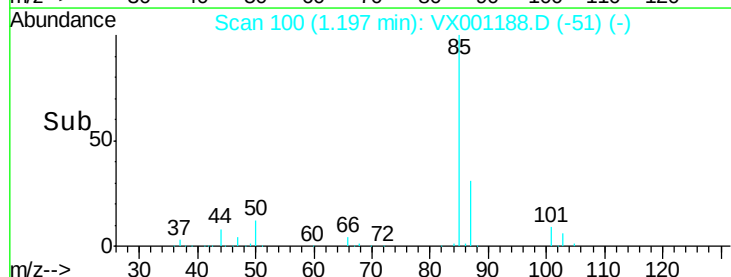
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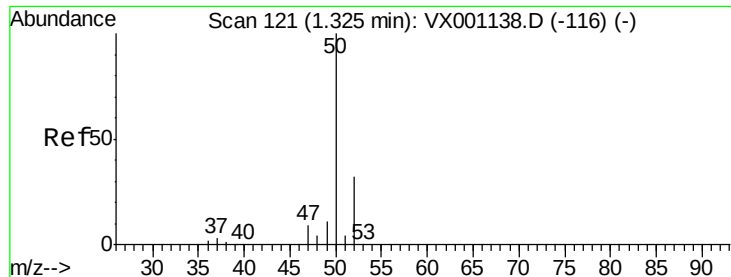
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.48 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 50 Resp: 41730

Ion Ratio Lower Upper

50 100

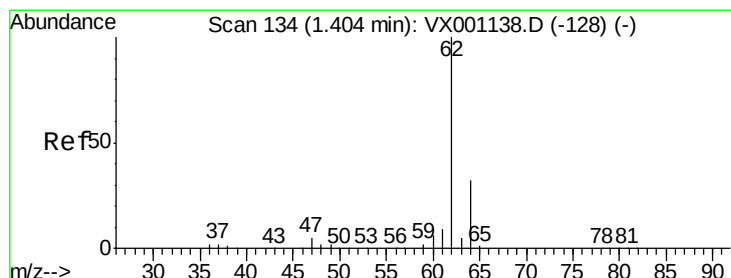
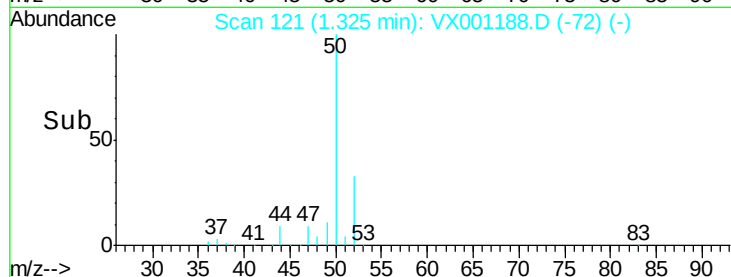
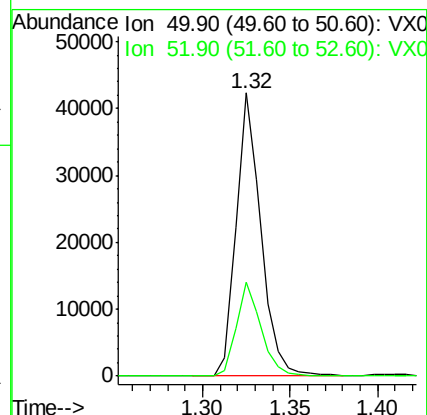
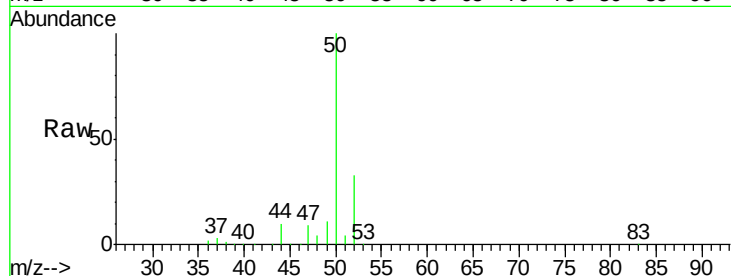
52 33.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.25 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001188.D

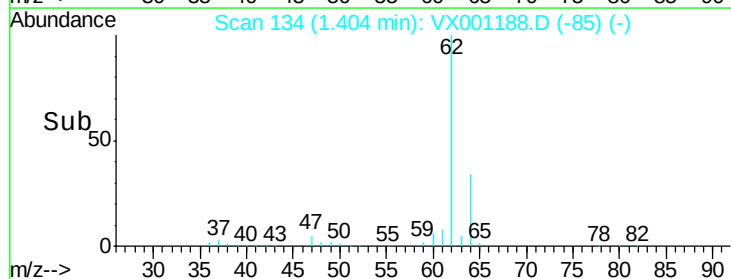
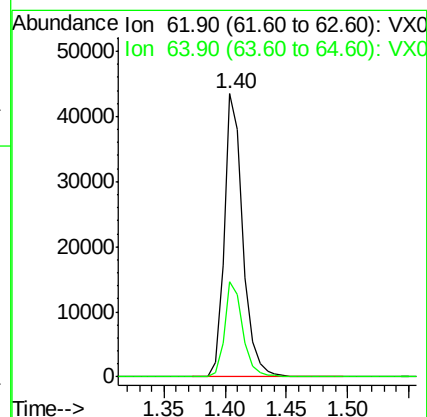
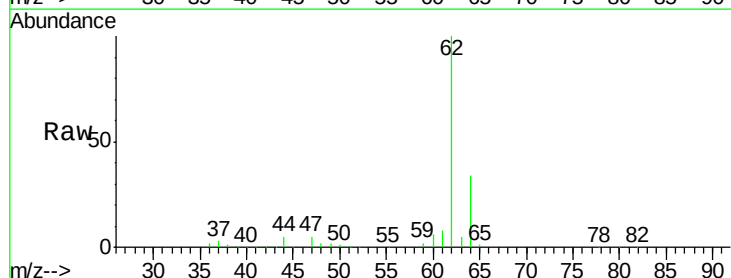
Acq: 27 Apr 2018 23:43

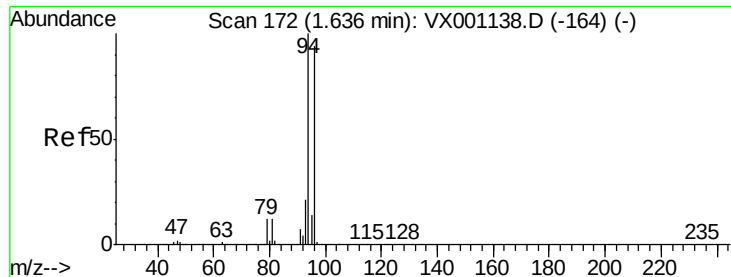
Tgt Ion: 62 Resp: 46122

Ion Ratio Lower Upper

62 100

64 33.6 25.6 38.4





#5

Bromomethane

Concen: 23.25 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 94 Resp: 35825

Ion Ratio Lower Upper

94 100

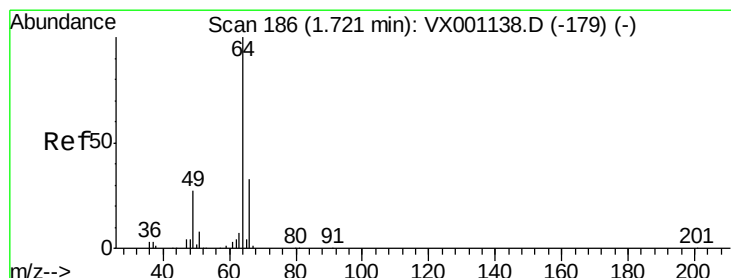
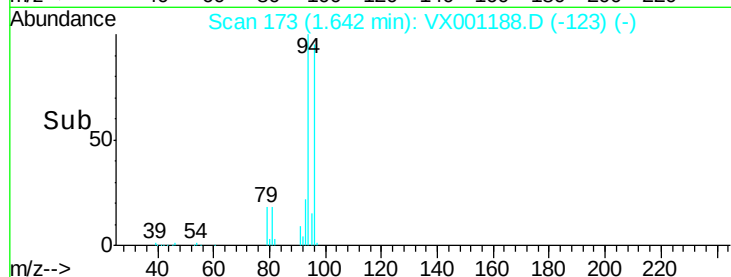
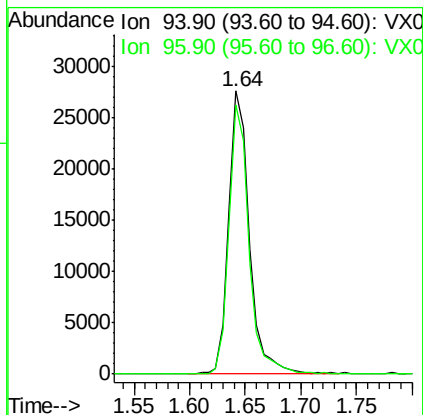
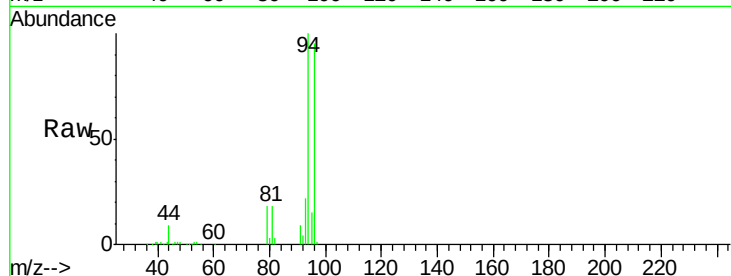
96 95.2 75.3 112.9

Manual Integrations

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#6

Chloroethane

Concen: 19.57 ug/l

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX001188.D

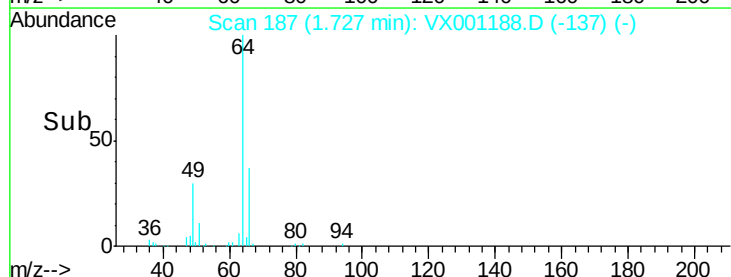
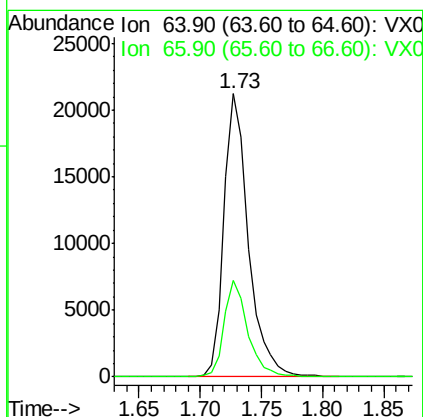
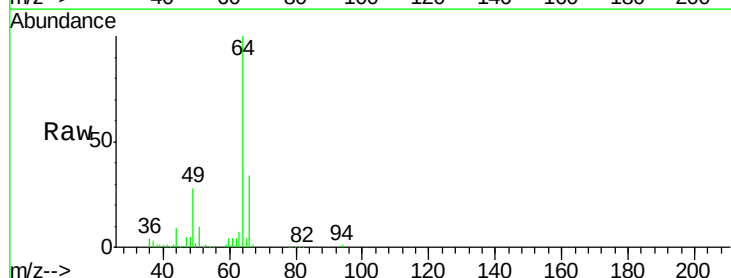
Acq: 27 Apr 2018 23:43

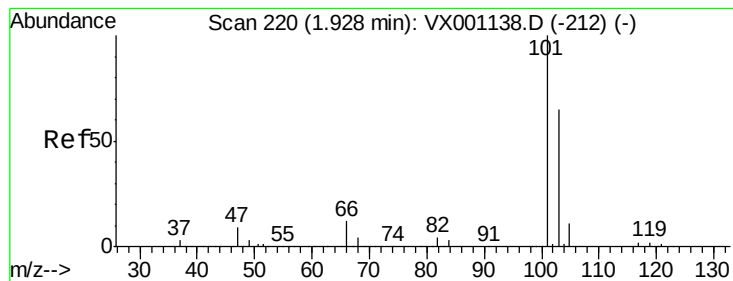
Tgt Ion: 64 Resp: 29505

Ion Ratio Lower Upper

64 100

66 33.9 26.1 39.1





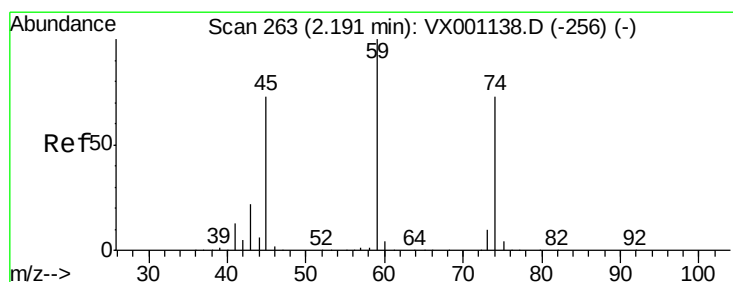
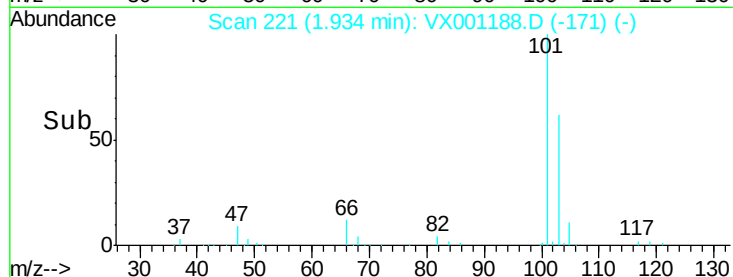
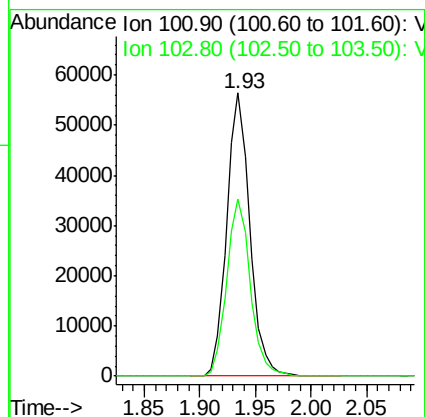
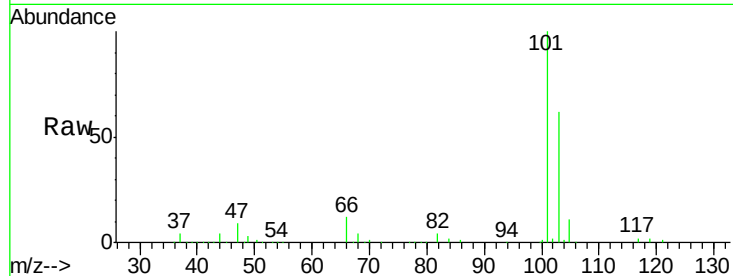
#7
 Trichlorofluoromethane
 Concen: 20.97 ug/l
 RT: 1.93 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion:101 Resp: 81113
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.9 77.9

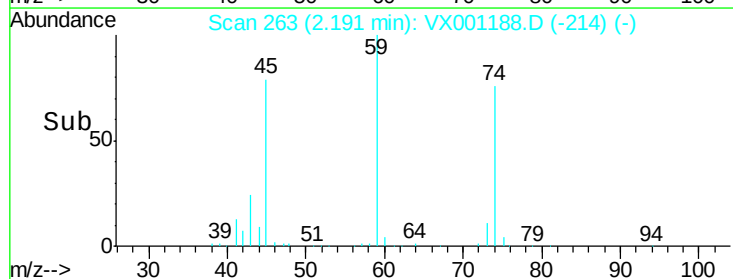
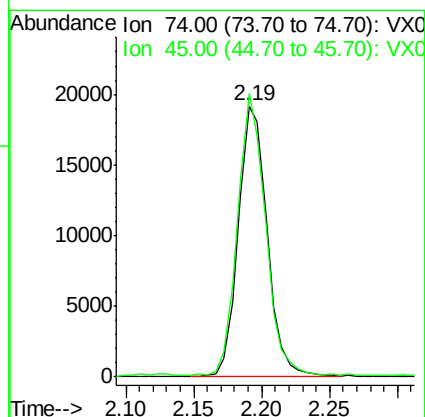
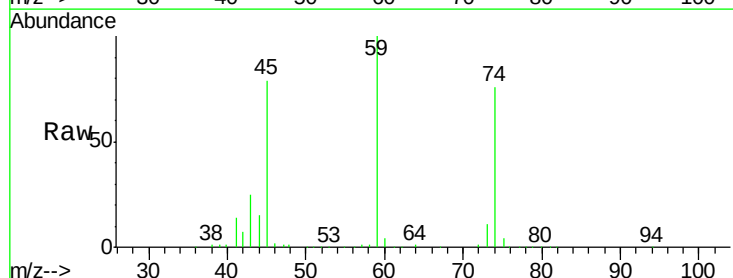
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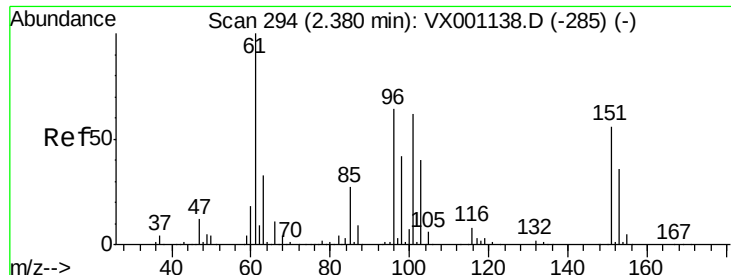
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#8
 Diethyl Ether
 Concen: 19.07 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion: 74 Resp: 28372
 Ion Ratio Lower Upper
 74 100
 45 101.1 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.09 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion:101 Resp: 44962

Ion Ratio Lower Upper

101 100

85 44.4 35.4 53.0

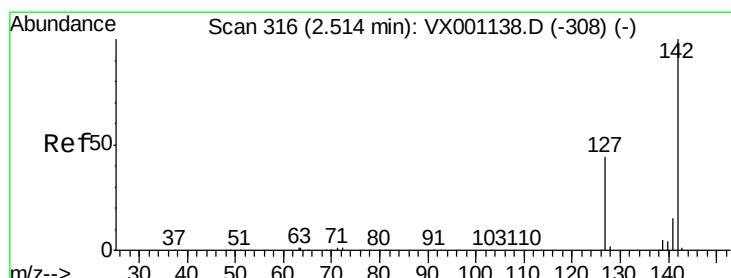
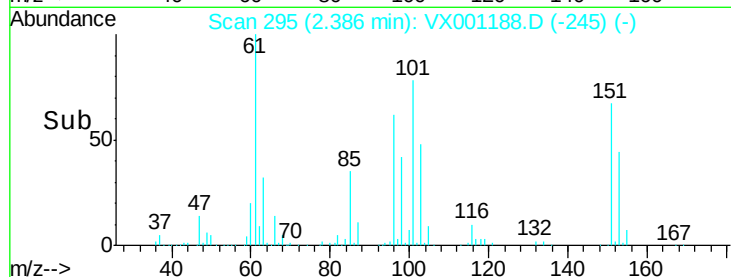
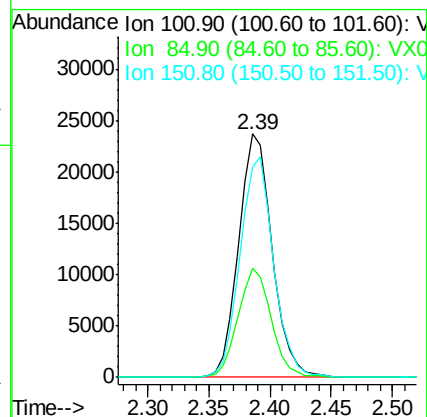
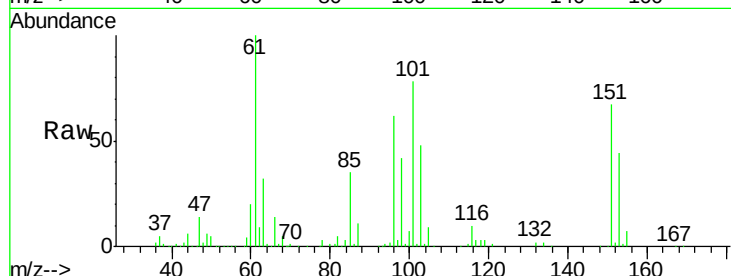
151 91.1 74.2 111.4

Manual Integrations

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#10

Methyl Iodide

Concen: 18.59 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

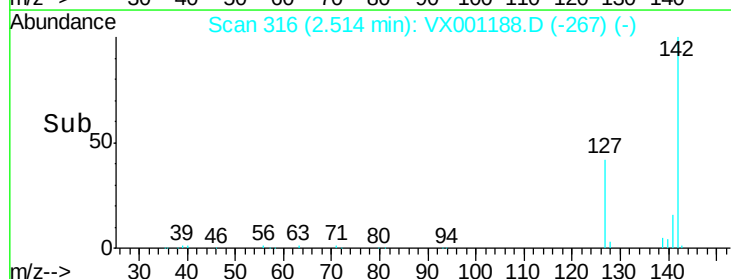
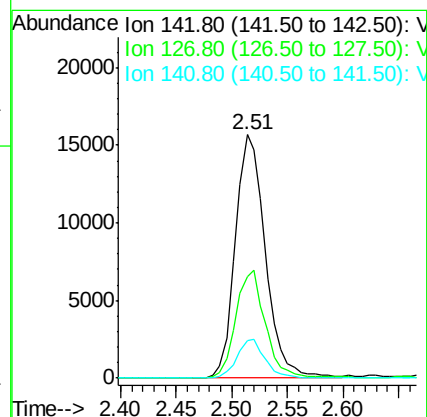
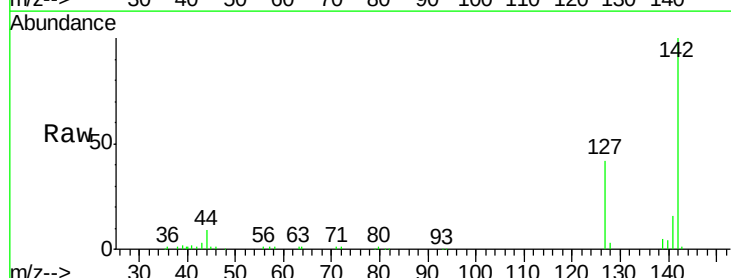
Tgt Ion:142 Resp: 29418

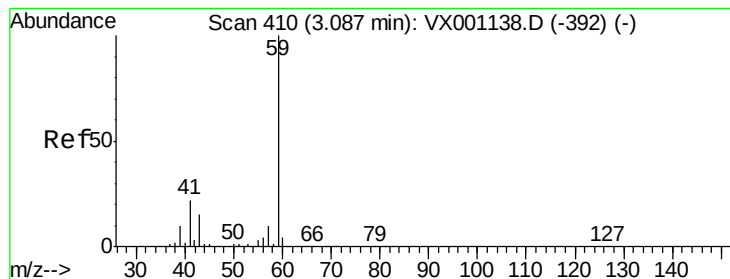
Ion Ratio Lower Upper

142 100

127 43.1 34.7 52.1

141 14.8 11.6 17.4





#11

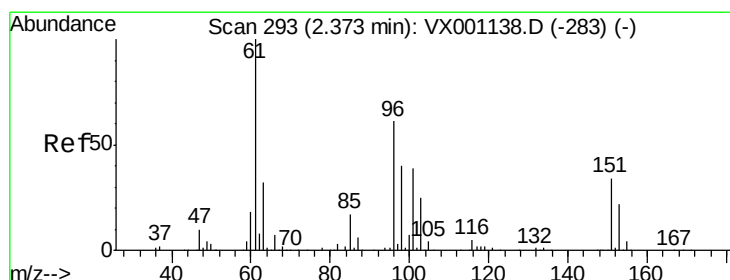
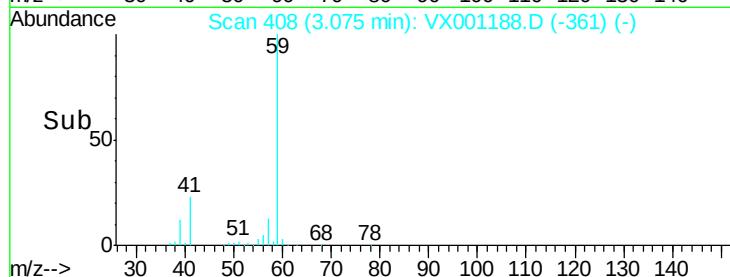
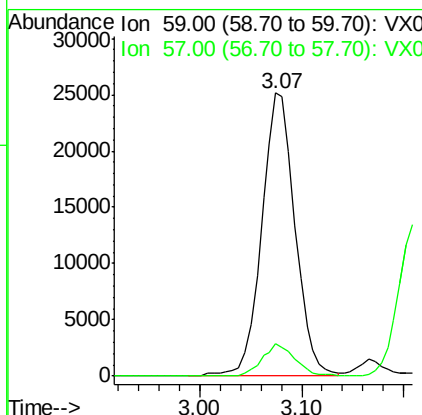
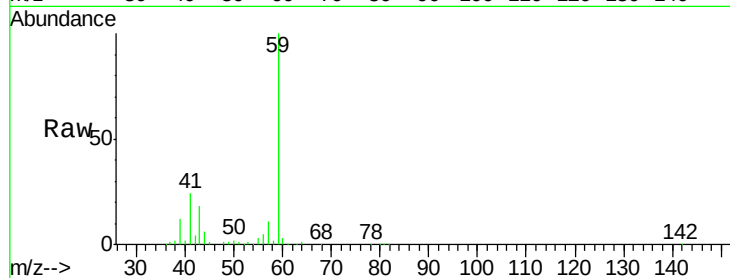
Tert butyl alcohol
 Concen: 90.65 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.2	12.4

Manual Integrations
 APPROVED

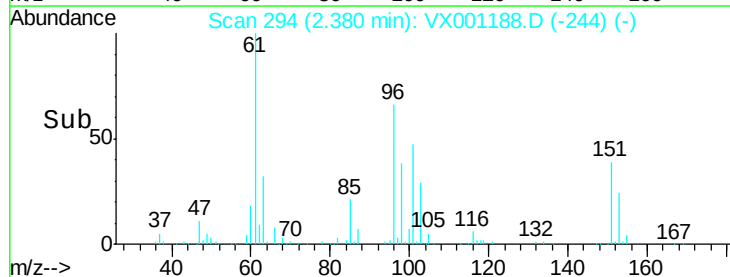
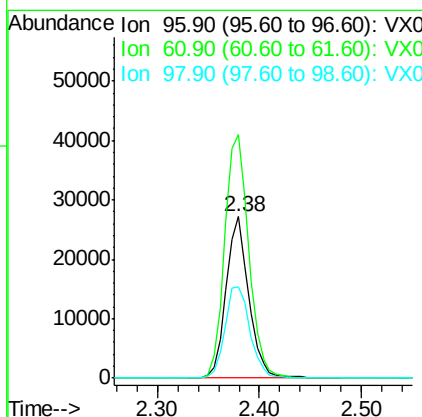
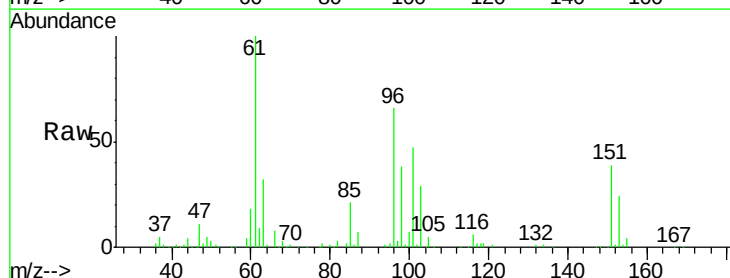
MMDadoda
 4/30/2018 6:04:41 PM

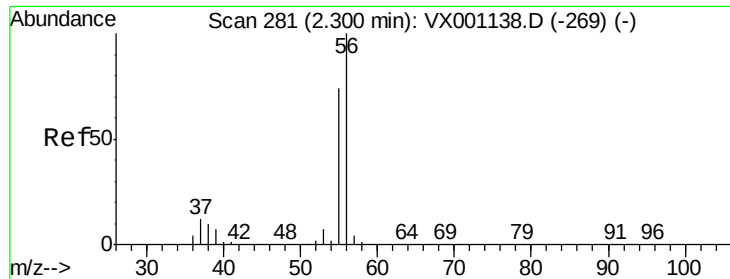


#12

1,1-Dichloroethene
 Concen: 20.08 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.9	130.2	195.4
98	56.9	51.5	77.3





#13

Acrolein

Concen: 66.21 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 56 Resp: 15728

Ion Ratio Lower Upper

56 100

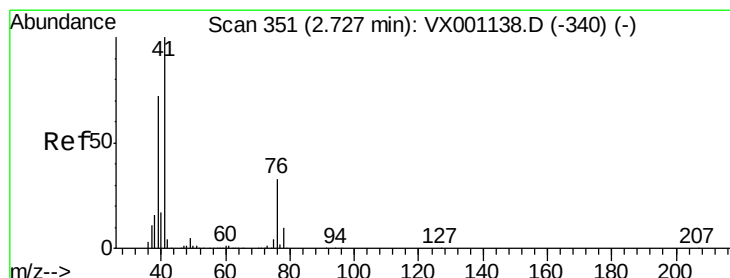
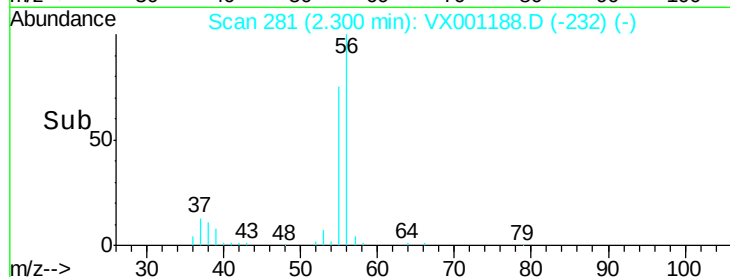
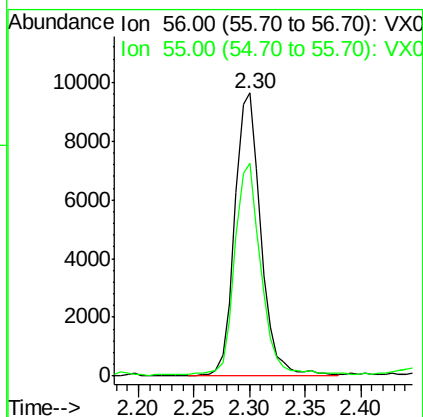
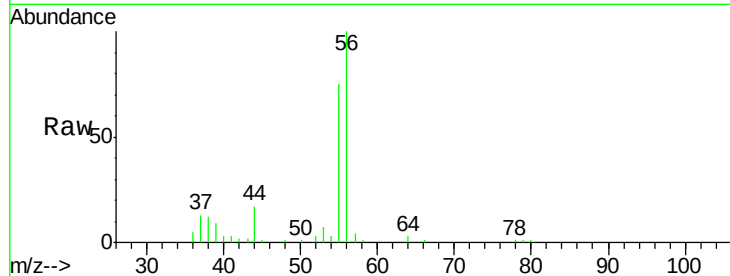
55 78.1 57.2 85.8

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 19.36 ug/l

RT: 2.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

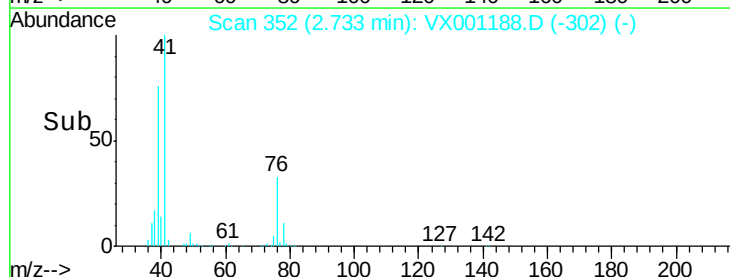
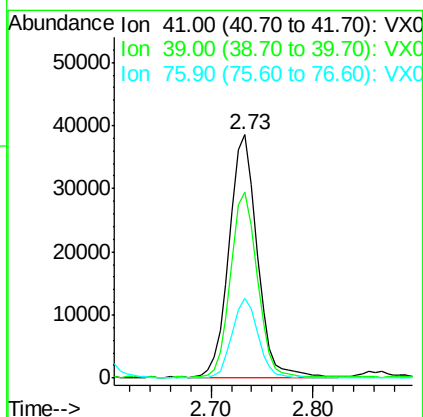
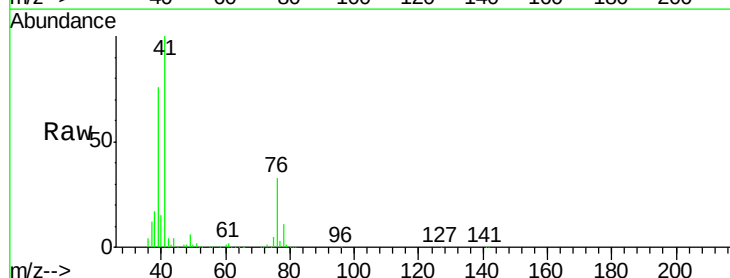
Tgt Ion: 41 Resp: 73432

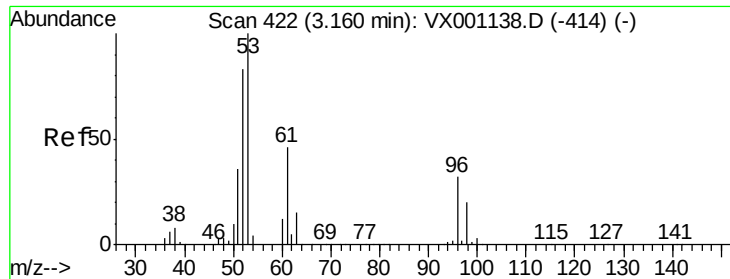
Ion Ratio Lower Upper

41 100

39 72.0 55.6 83.4

76 30.5 24.8 37.2





#15

Acrylonitrile

Concen: 88.56 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

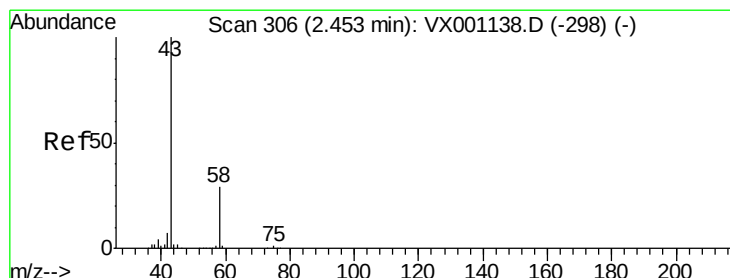
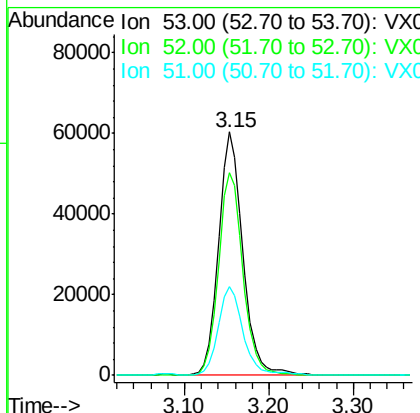
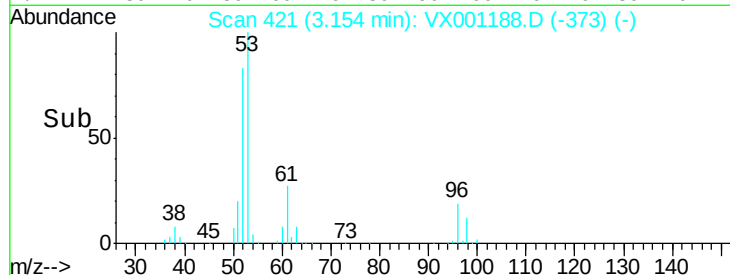
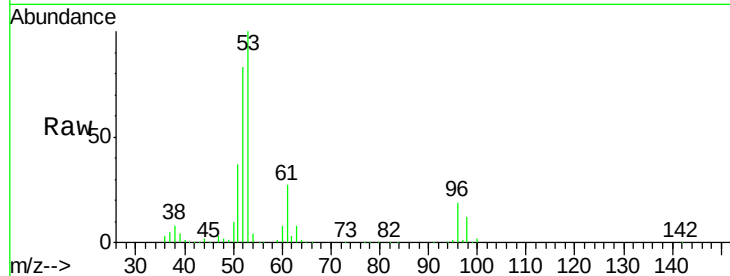
ClientSampleId :

VX0427WBS02

Tot Ion:	53	Resp:	118834
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.5	99.7
51	37.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 84.97 ug/l

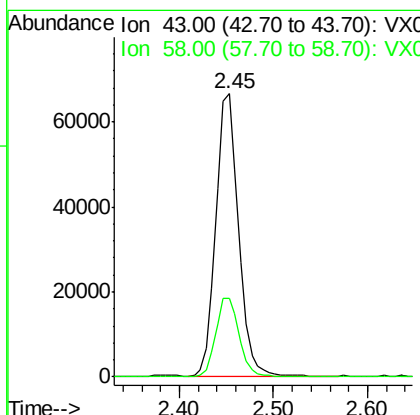
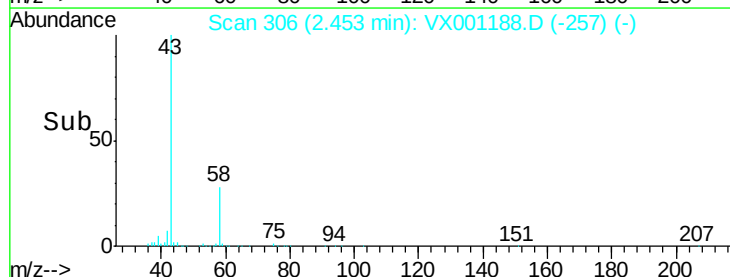
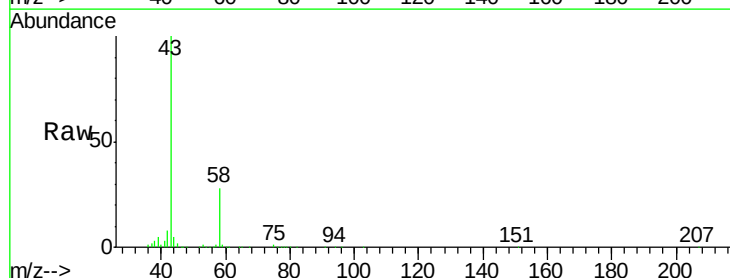
RT: 2.45 min Scan# 306

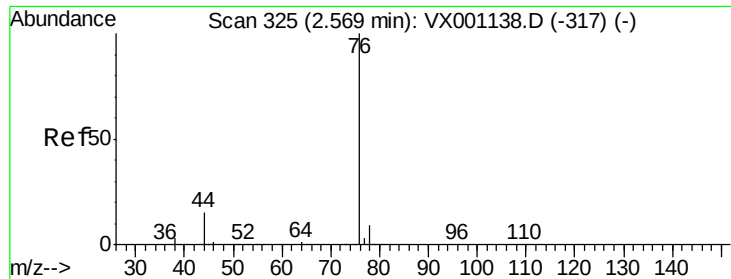
Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Tgt Ion:	43	Resp:	111351
Ion Ratio	Lower	Upper	
43	100		
58	27.8	23.0	34.6





#17

Carbon Disulfide

Concen: 18.38 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 76 Resp: 97515

Ion Ratio Lower Upper

76 100

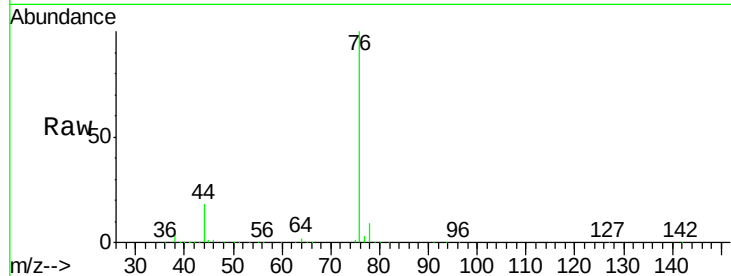
78 9.1 7.3 10.9

Manual Integrations

APPROVED

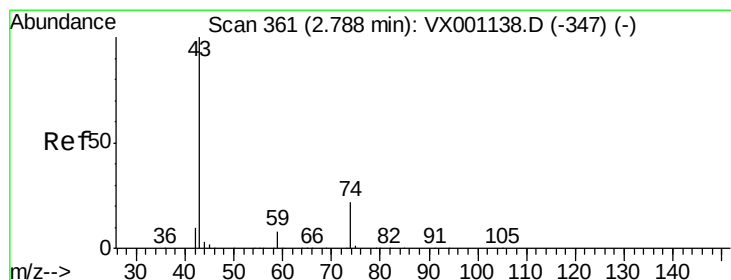
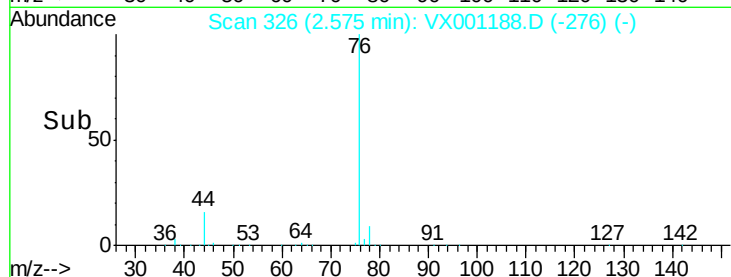
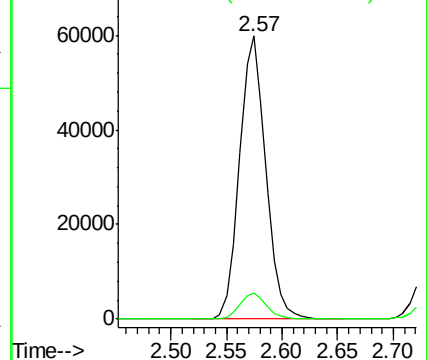
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.00 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX001188.D

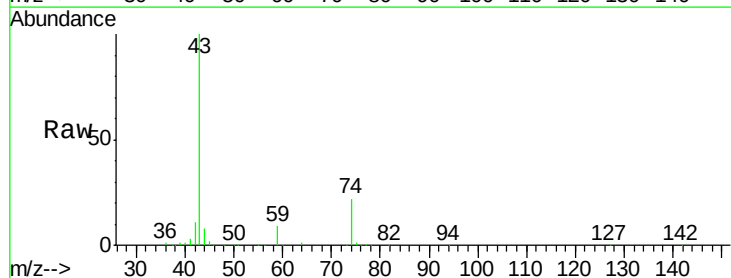
Acq: 27 Apr 2018 23:43

Tgt Ion: 43 Resp: 62310

Ion Ratio Lower Upper

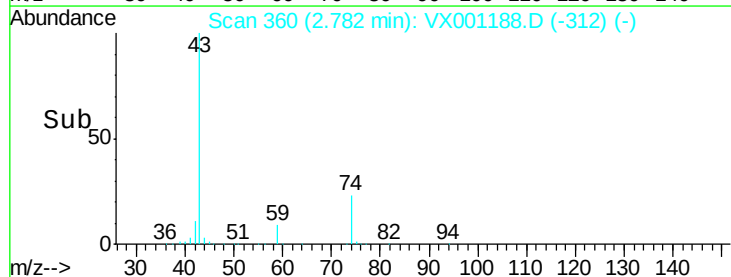
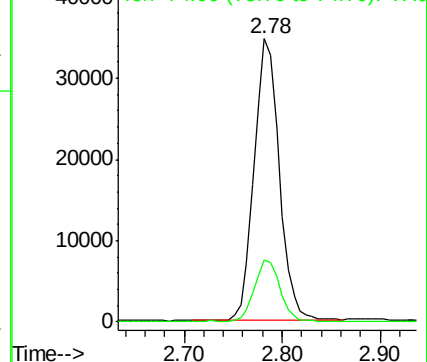
43 100

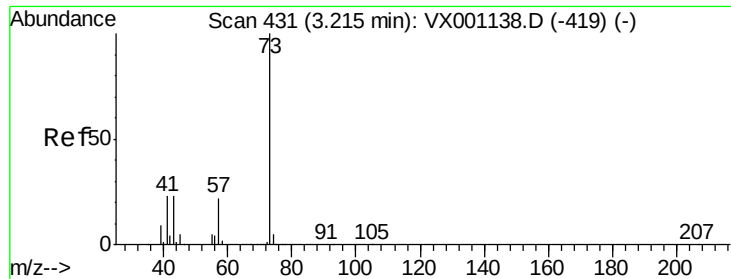
74 22.5 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





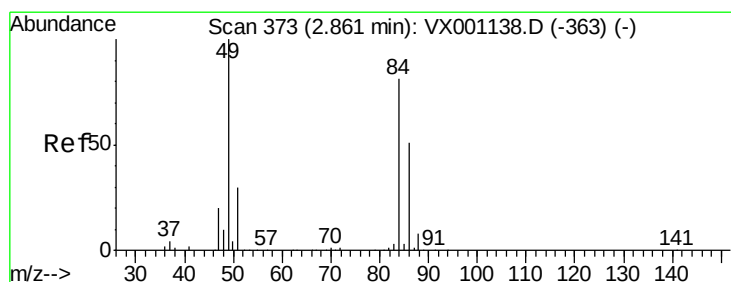
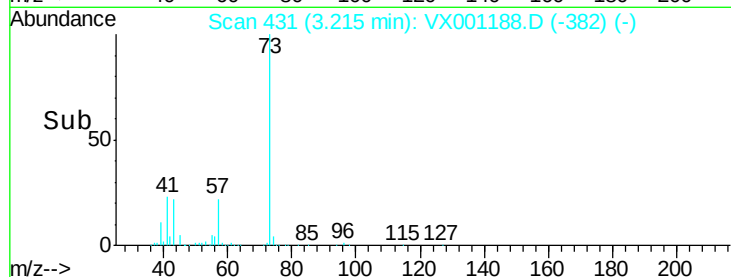
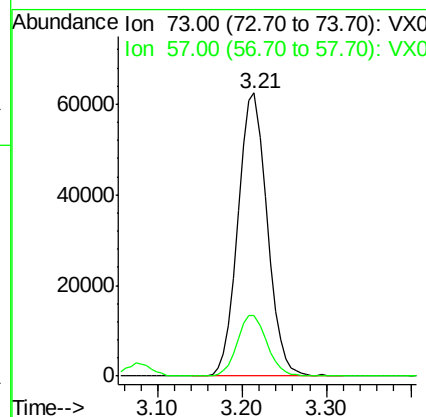
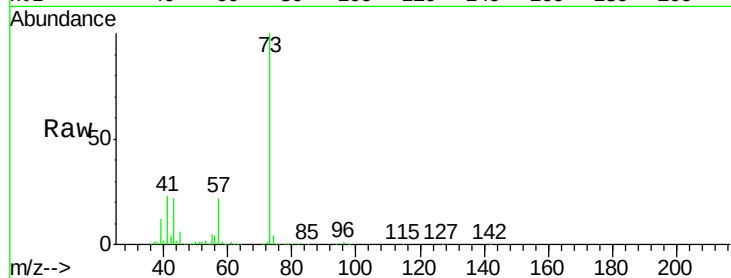
#19
Methyl tert-butyl Ether
Concen: 19.15 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

Tot Ion: 73 Resp: 146542
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5

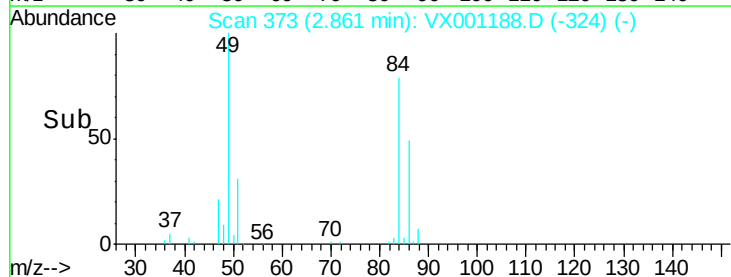
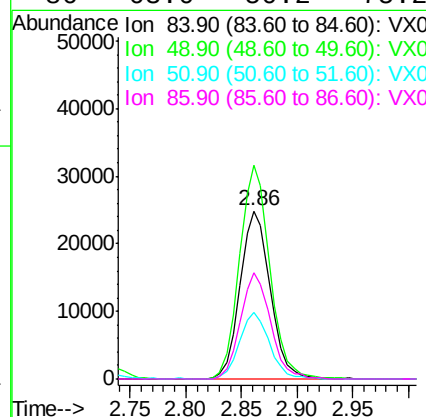
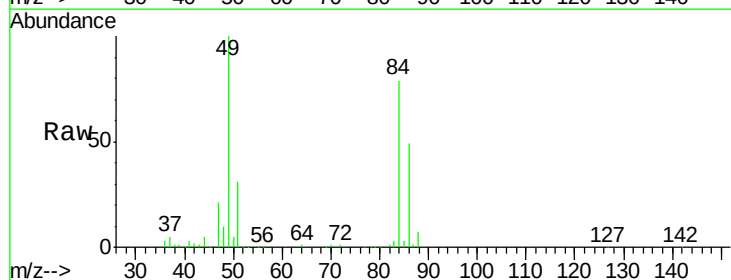
Manual Integrations
APPROVED

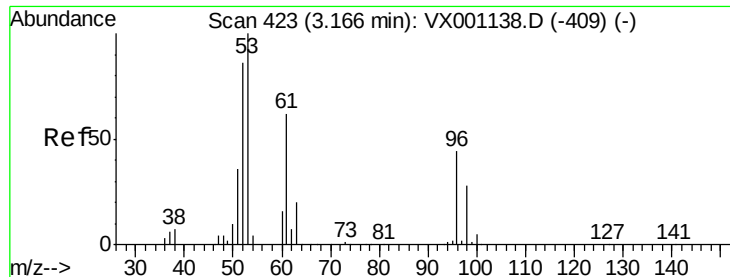
MMDadoda
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#20
Methylene Chloride
Concen: 19.12 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion: 84 Resp: 46675
Ion Ratio Lower Upper
84 100
49 127.4 99.2 148.8
51 39.8 29.5 44.3
86 63.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.56 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

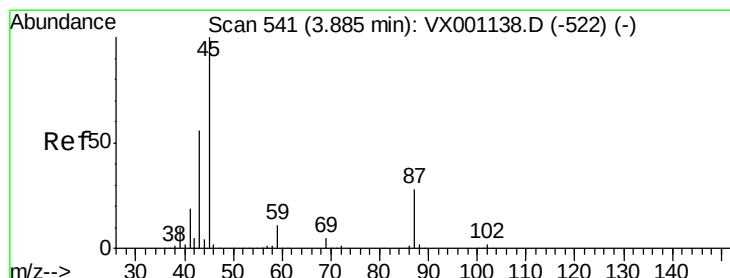
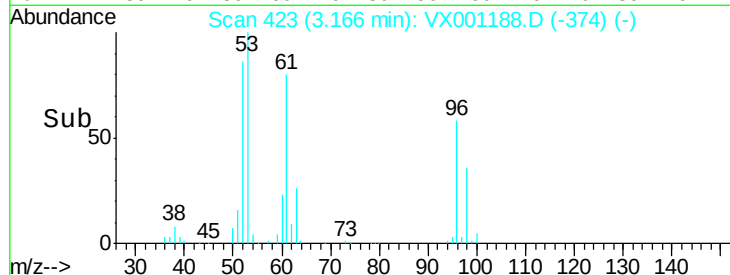
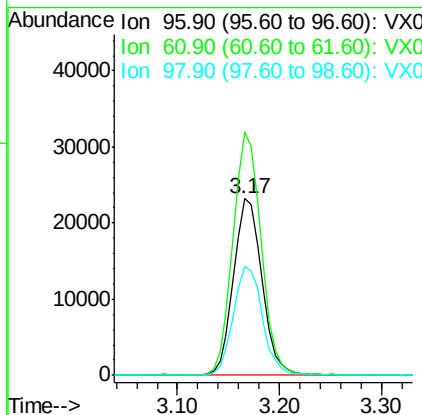
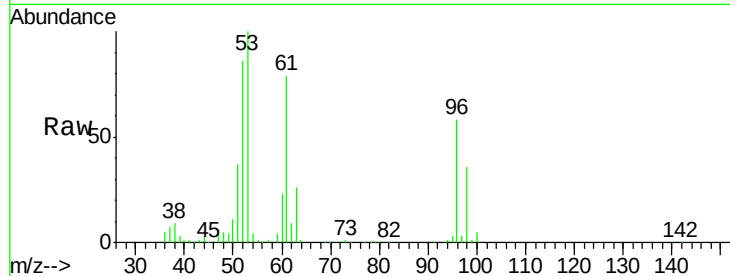
ClientSampleId :

VX0427WBS02

Tot Ion:	96	Resp:	44959
Ion	Ratio	Lower	Upper
96	100		
61	137.9	111.9	167.9
98	61.9	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.50 ug/l

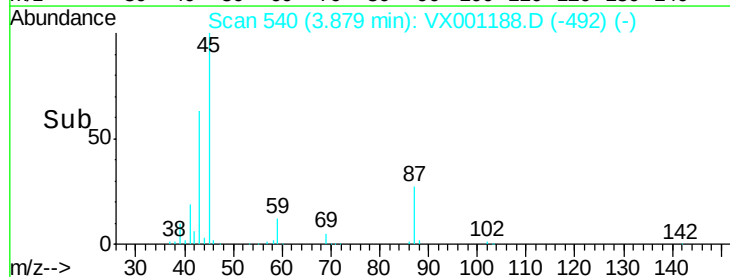
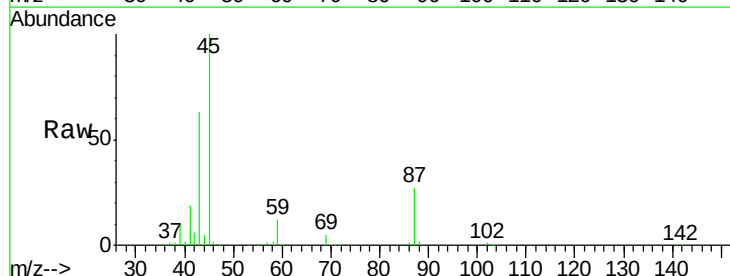
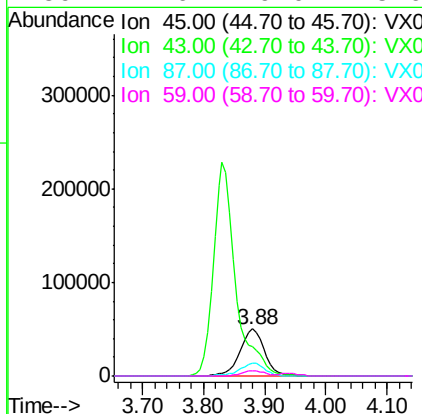
RT: 3.88 min Scan# 540

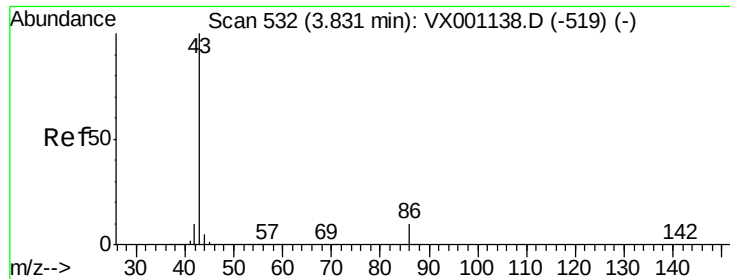
Delta R.T. -0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Tgt Ion:	45	Resp:	140339
Ion	Ratio	Lower	Upper
45	100		
43	62.4	45.0	67.4
87	27.4	22.8	34.2
59	11.6	9.0	13.6





#23

Vinyl Acetate

Concen: 91.49 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 43 Resp: 588944

Ion Ratio Lower Upper

43 100

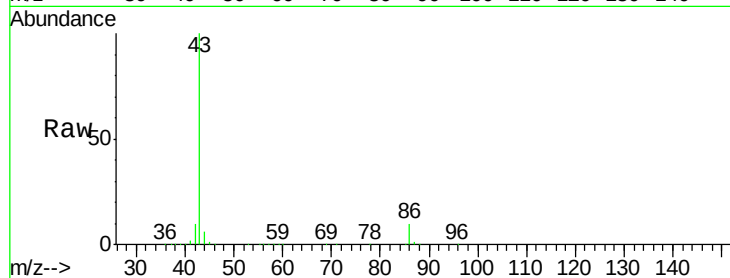
86 9.7 8.0 12.0

Manual Integrations

APPROVED

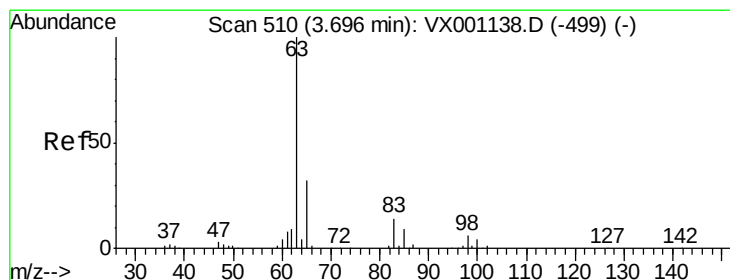
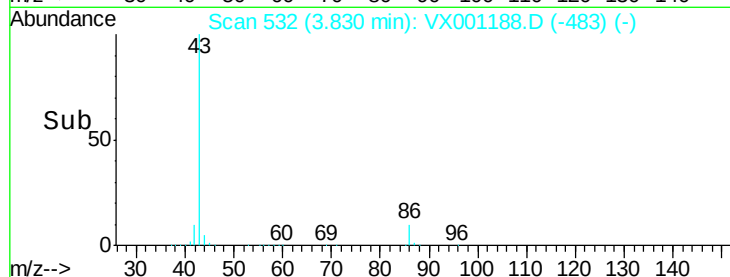
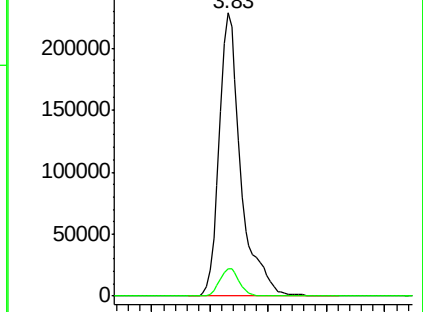
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.45 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

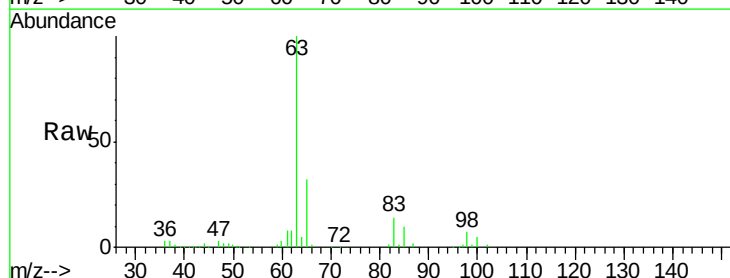
Tgt Ion: 63 Resp: 77574

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.4

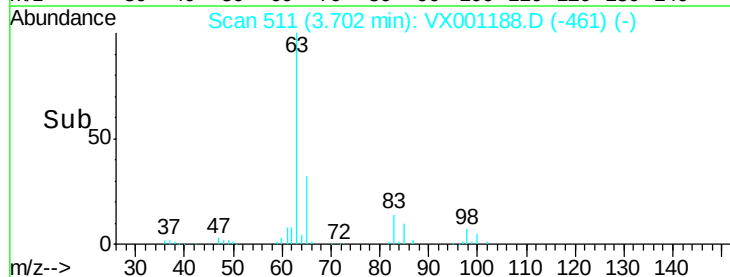
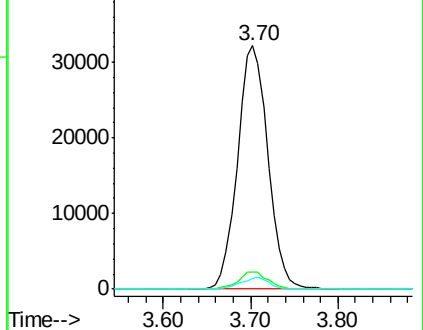
100 4.6 2.1 6.5

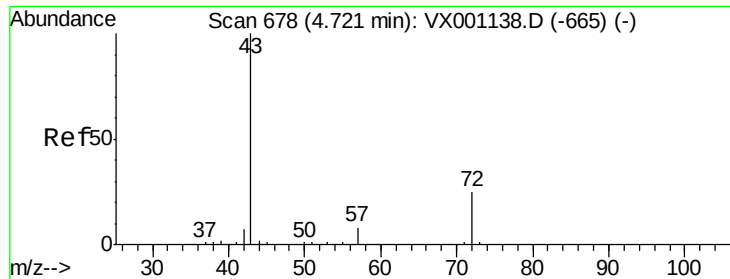


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 84.00 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 43 Resp: 164707

Ion Ratio Lower Upper

43 100

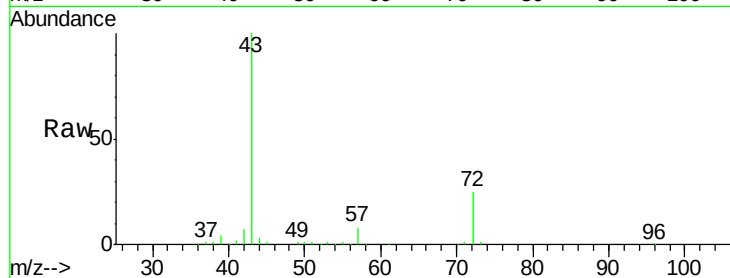
72 24.5 20.0 30.0

Manual Integrations

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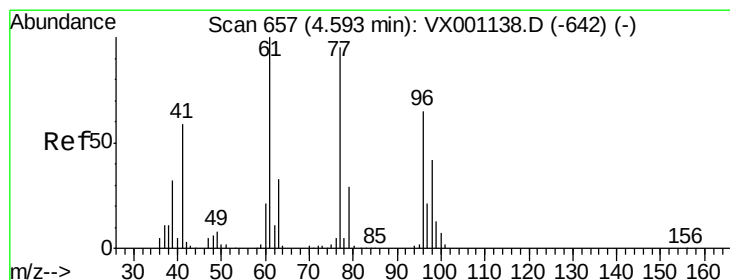
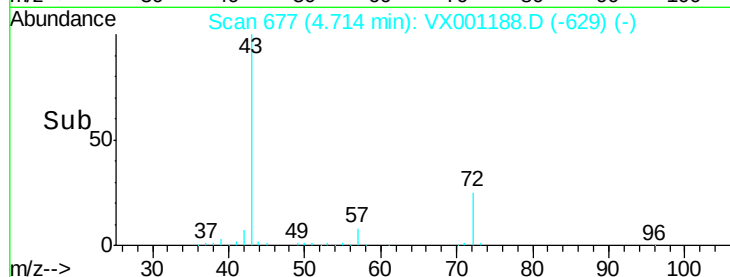
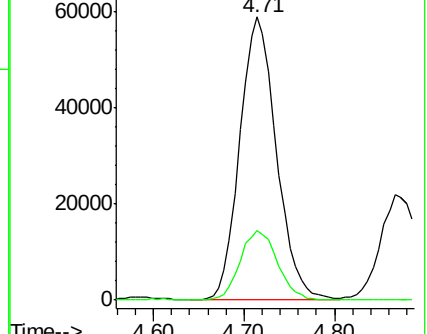
MMDadoda

4/30/2018 6:04:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.82 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX001188.D

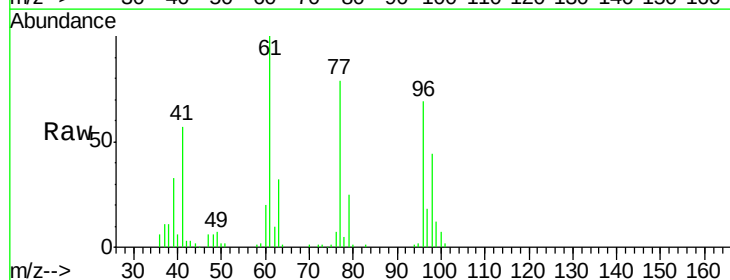
Acq: 27 Apr 2018 23:43

Tgt Ion: 77 Resp: 49670

Ion Ratio Lower Upper

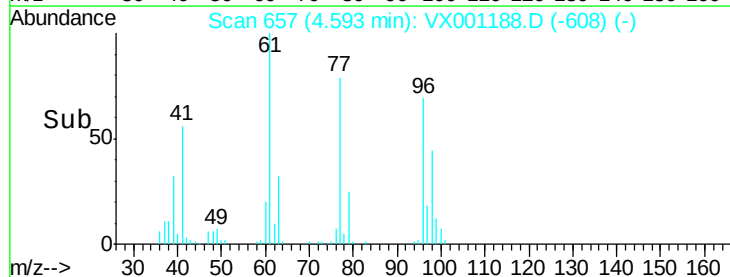
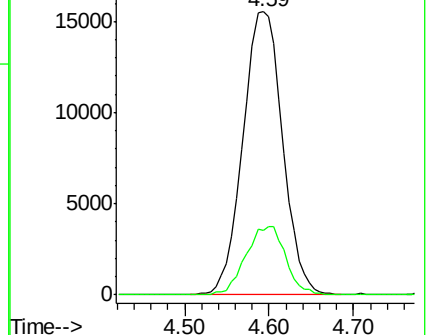
77 100

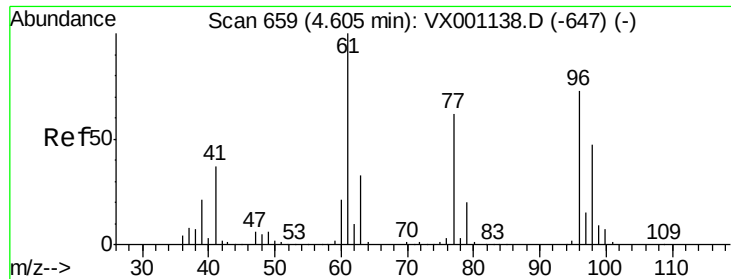
97 24.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





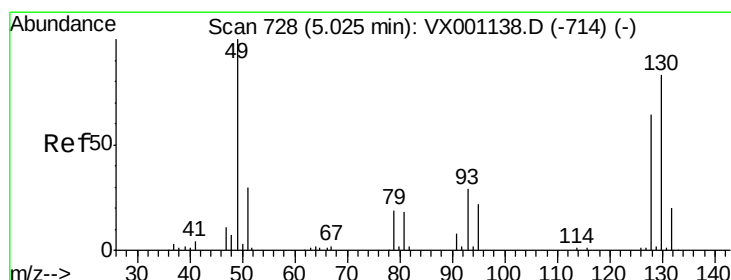
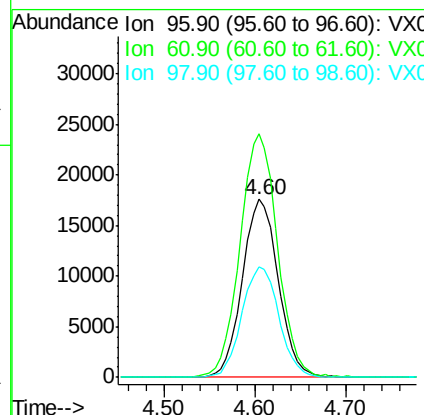
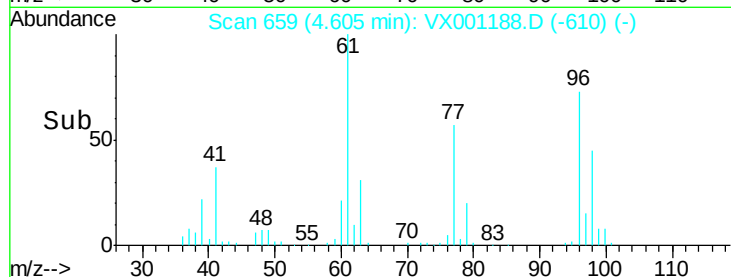
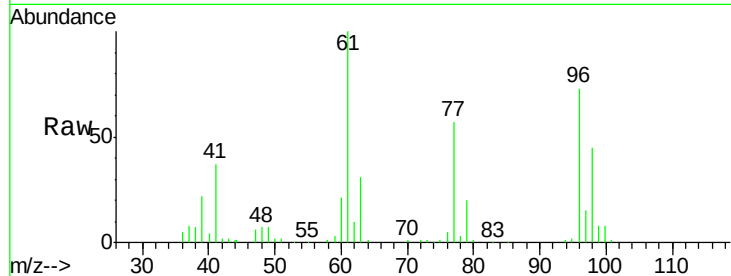
#27
 cis-1,2-Dichloroethene
 Concen: 19.28 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	48511		
61	142.1	0.0	289.0	
98	63.8	0.0	128.2	

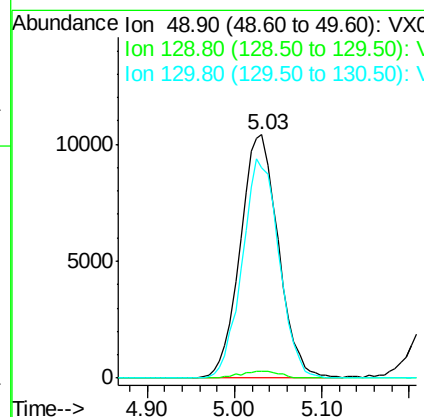
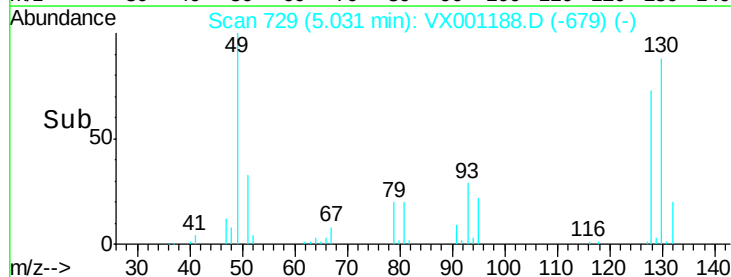
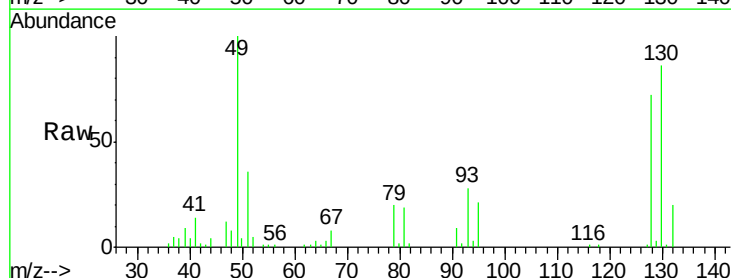
Manual Integrations
 APPROVED

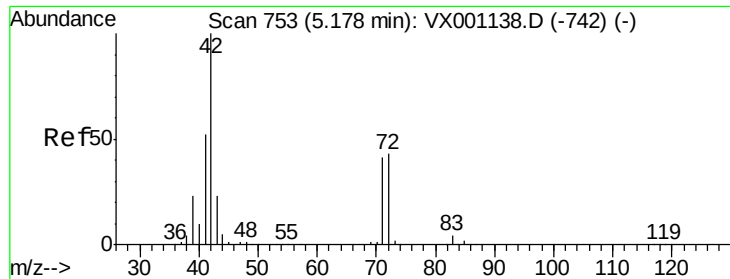
MMDadoda
 4/30/2018 6:04:41 PM



#28
 Bromochloromethane
 Concen: 17.65 ug/l
 RT: 5.03 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	31560		
129	2.7	0.0	4.6	
130	86.7	68.2	102.2	





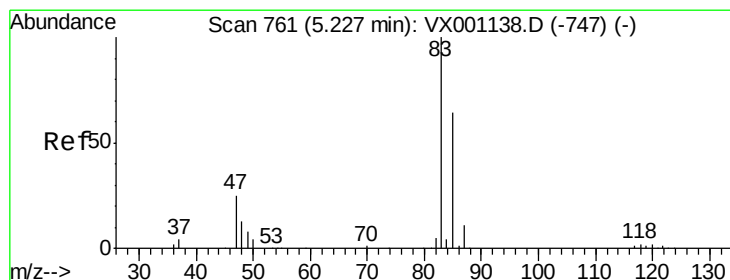
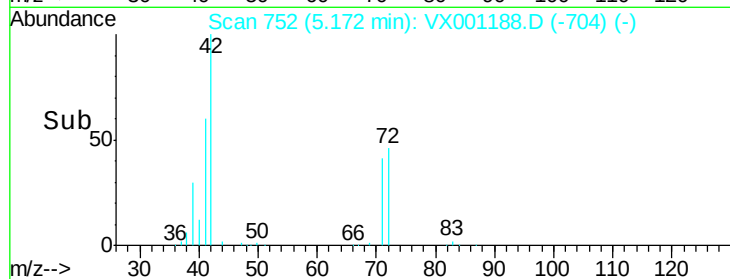
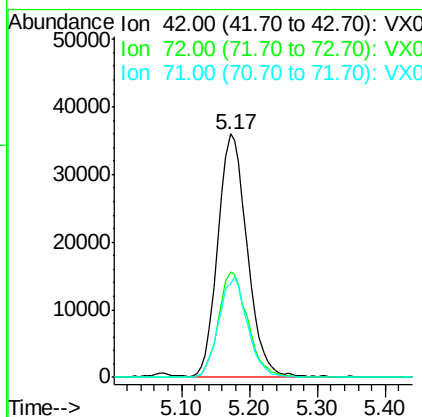
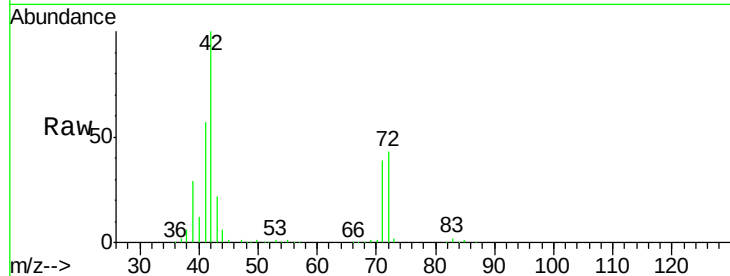
#29
Tetrahydrofuran
Concen: 84.87 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.4	51.6
71	40.4	32.1	48.1

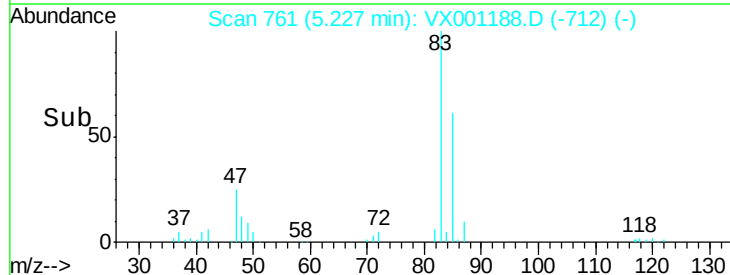
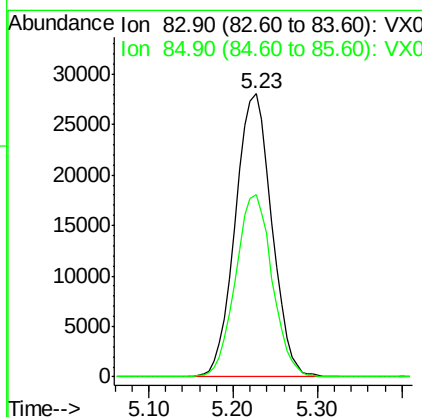
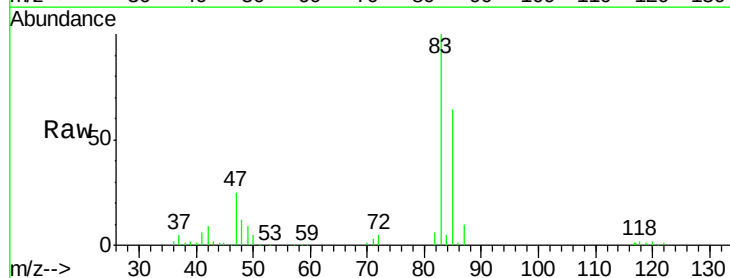
Manual Integrations
APPROVED

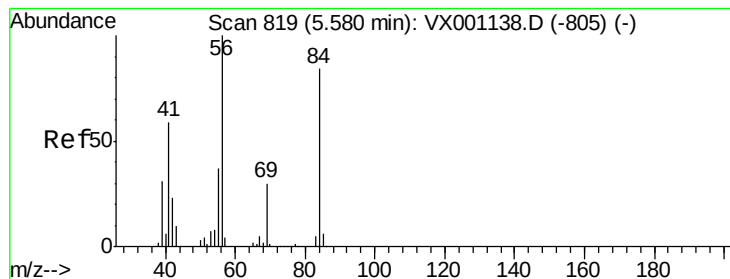
MMDadoda
4/30/2018 6:04:41 PM



#30
Chloroform
Concen: 19.39 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0





#31

Cyclohexane

Concen: 19.78 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 56 Resp: 67029

Ion Ratio Lower Upper

56 100

69 29.0 24.2 36.2

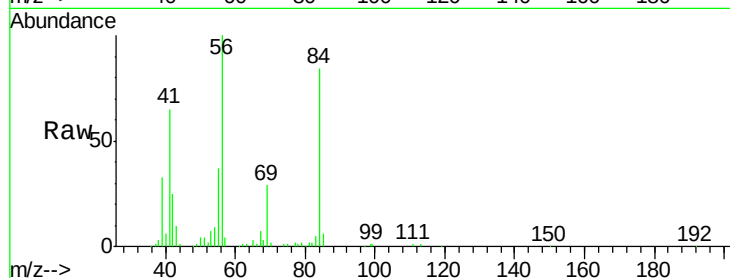
84 81.7 67.5 101.3

Manual Integrations

APPROVED

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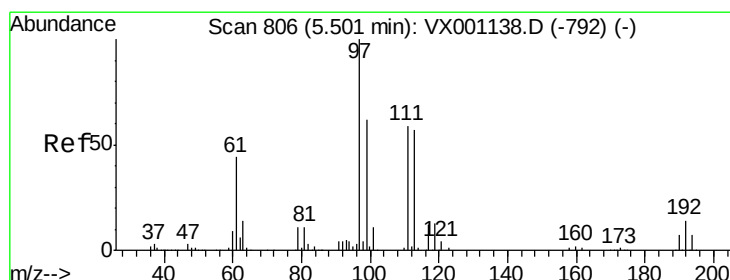
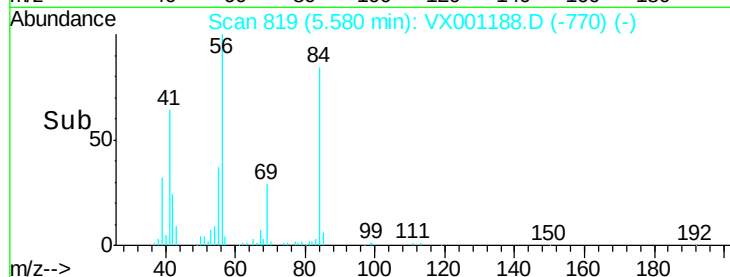
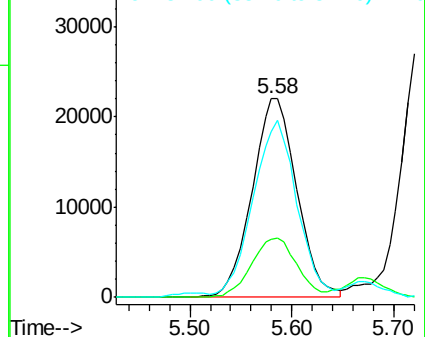
4/30/2018 6:04:41 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.54 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

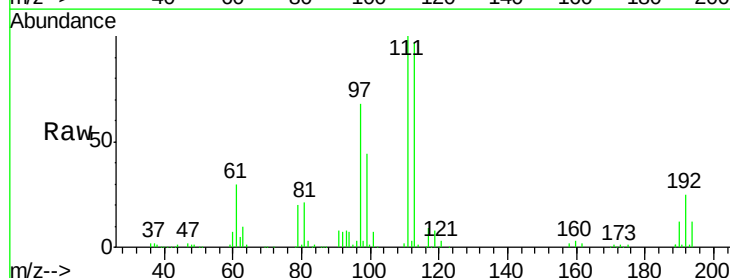
Tgt Ion: 97 Resp: 71519

Ion Ratio Lower Upper

97 100

99 65.1 50.9 76.3

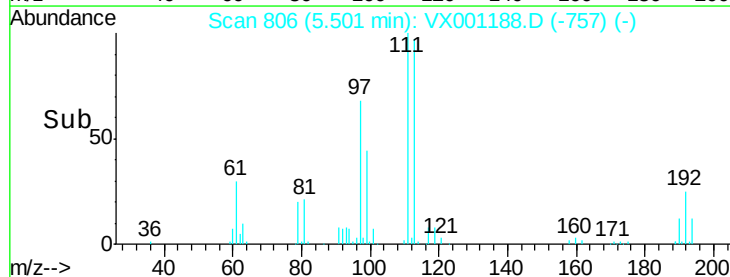
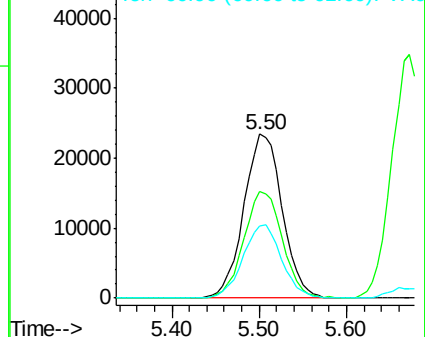
61 45.1 35.0 52.6

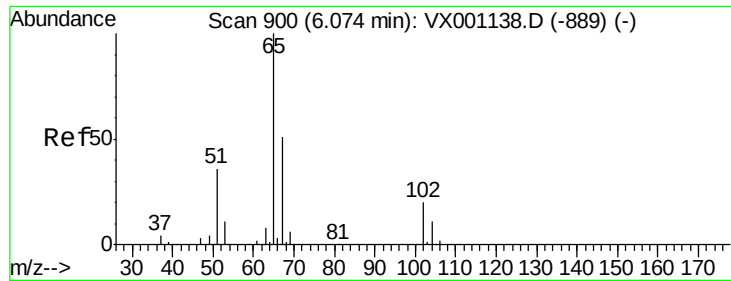


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





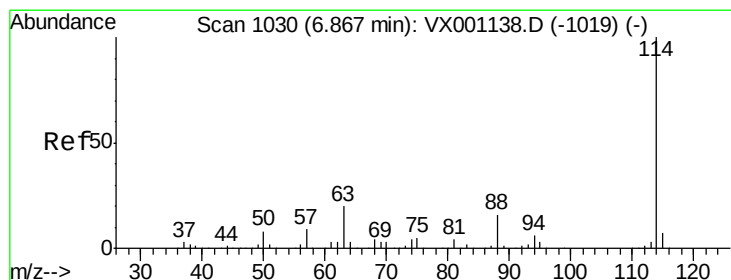
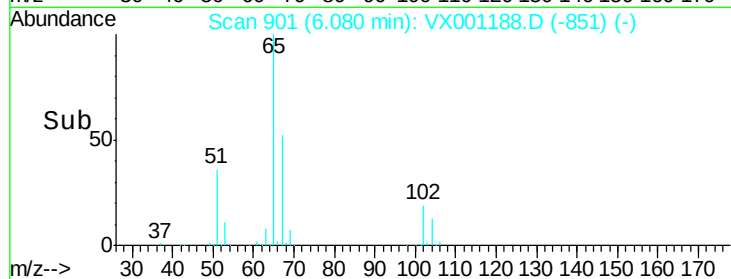
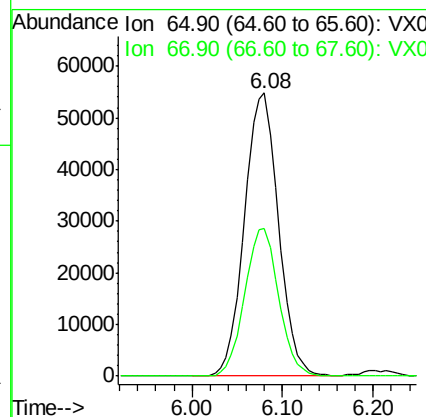
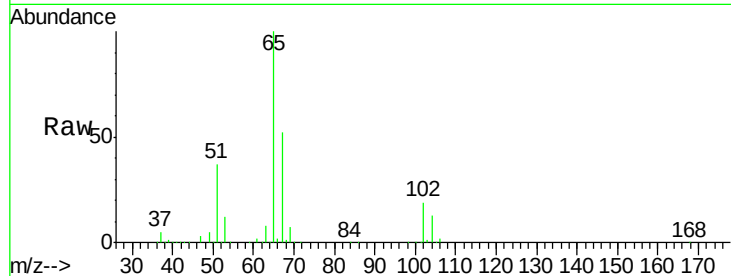
#33
 1,2-Dichloroethane-d4
 Concen: 44.77 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.2

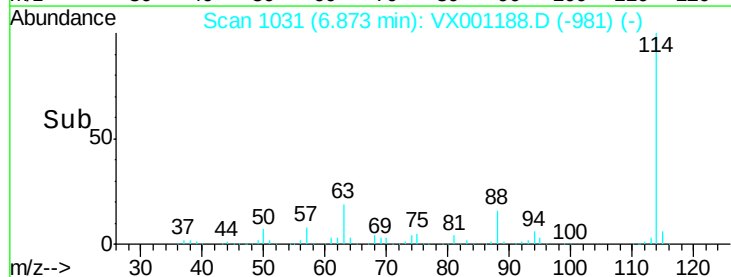
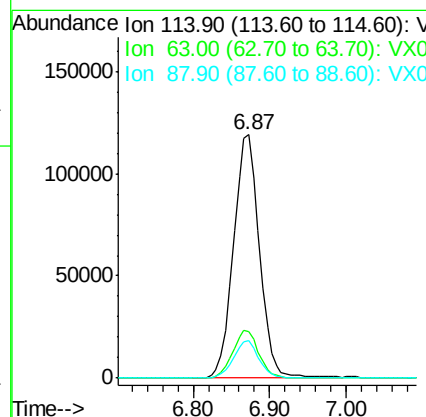
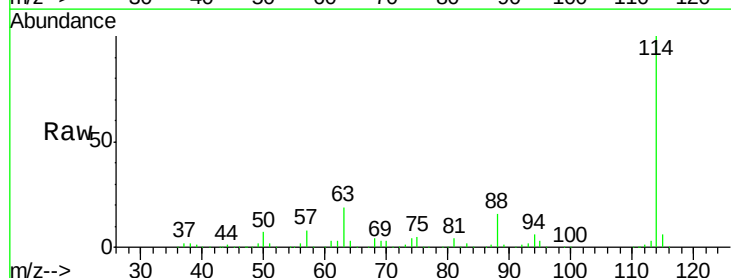
Manual Integrations
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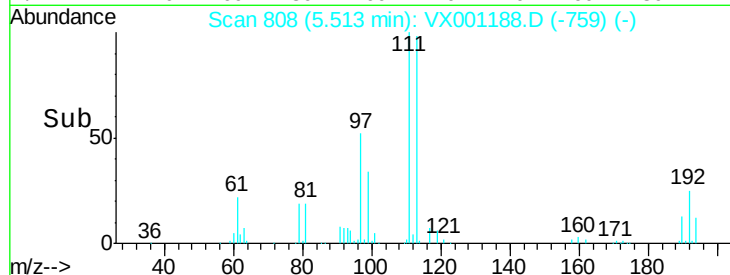
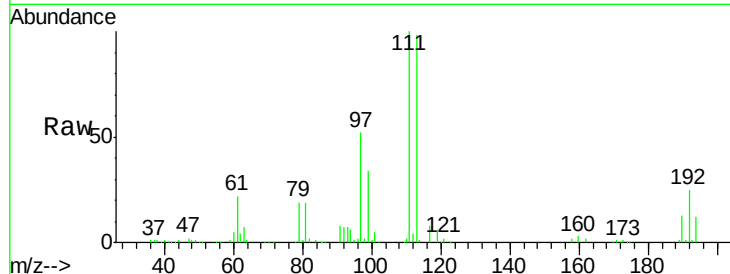
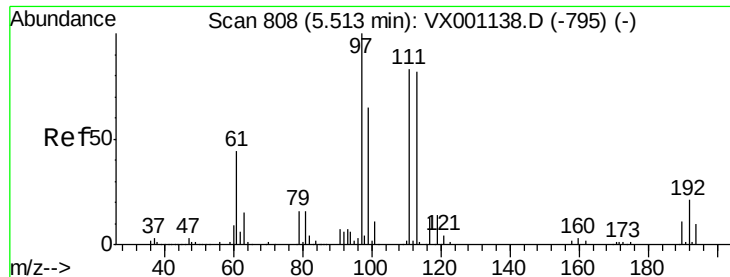
MMDadoda
 4/30/2018 6:04:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	40.4
88	15.7	0.0	31.8





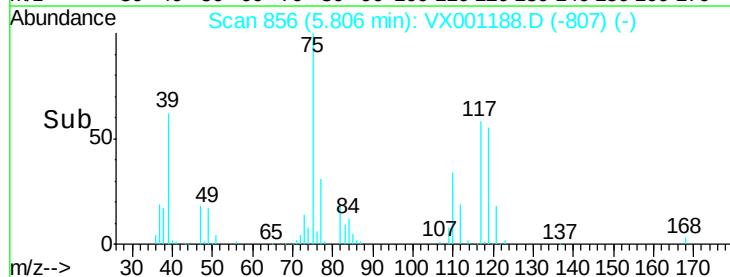
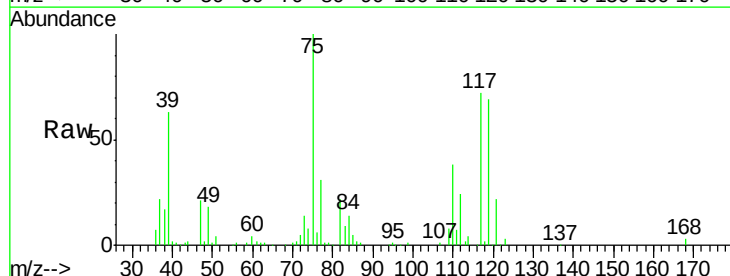
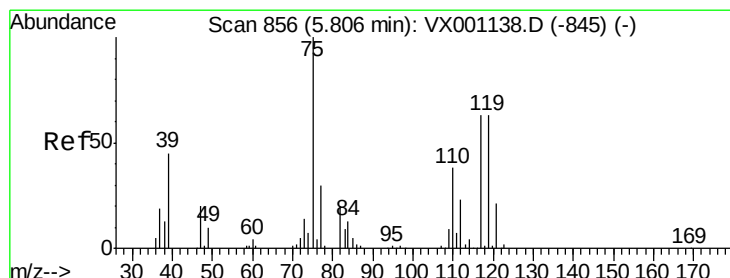
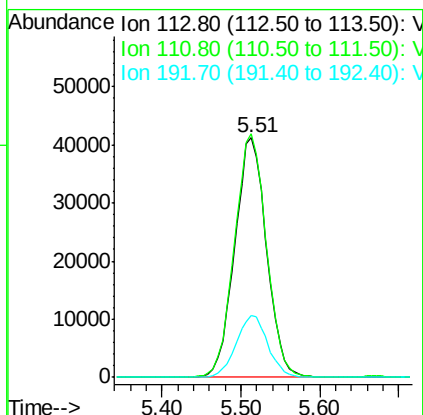
#35
Dibromofluoromethane
Concen: 49.75 ug/l
RT: 5.51 min Scan# 808
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115517		
111	101.8	82.2	123.4	
192	25.7	20.6	30.8	

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

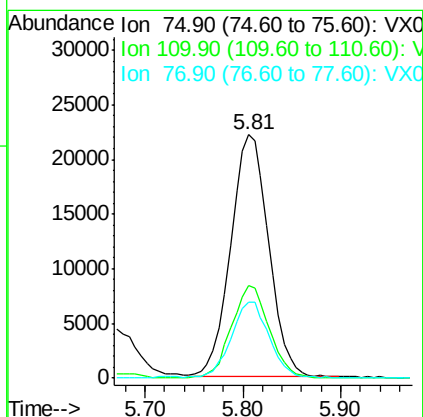
Manual Integrations
APPROVED

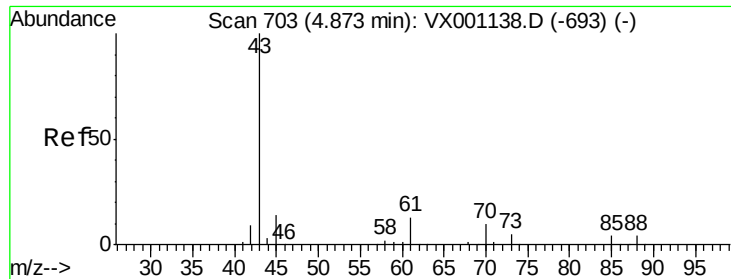
MMDadoda
4/30/2018 6:04:41 PM



#36
1,1-Dichloropropene
Concen: 19.34 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59787		
110	37.6	19.0	57.0	
77	31.5	24.8	37.2	





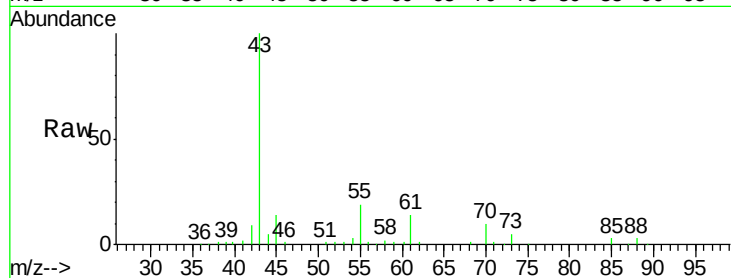
#37
Ethyl Acetate
Concen: 17.30 ug/l
RT: 4.87 min Scan# 702
Delta R.T. -0.01 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

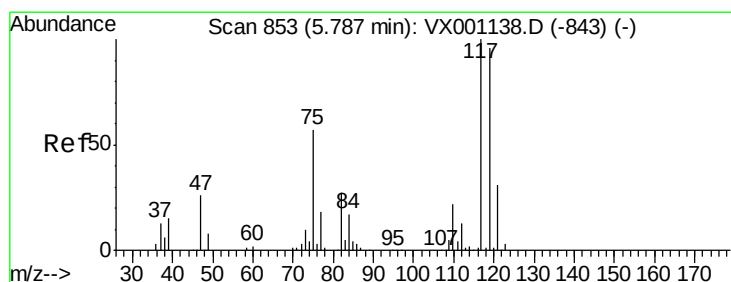
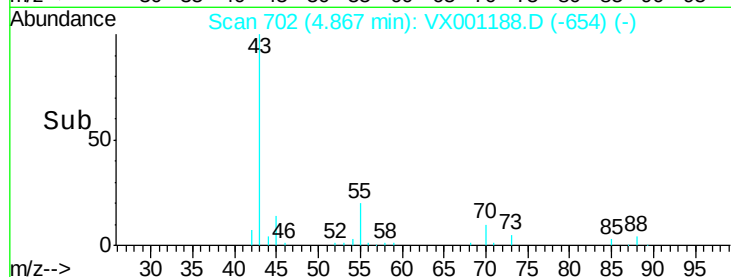
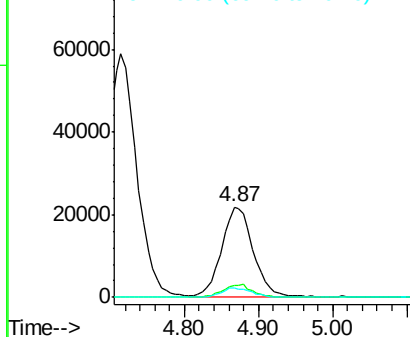
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.6
70	10.3	8.2	12.2

Manual Integrations
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4/30/2018 6:04:41 PM

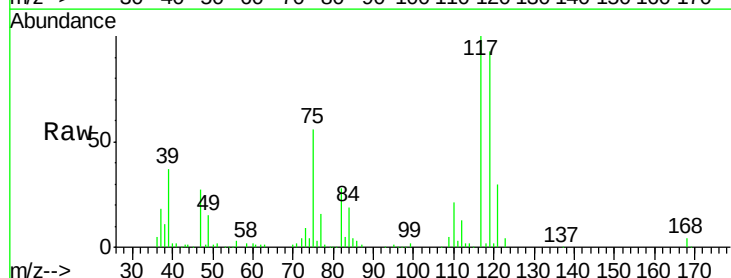


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

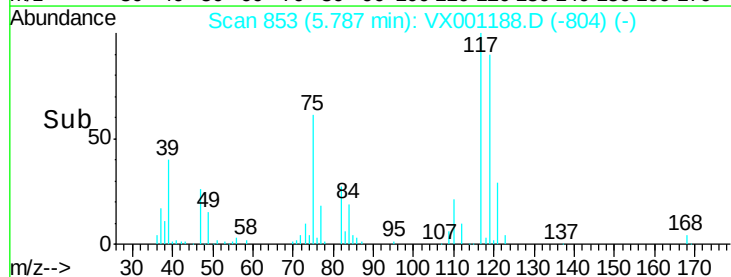
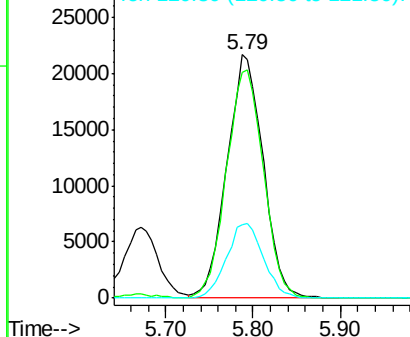


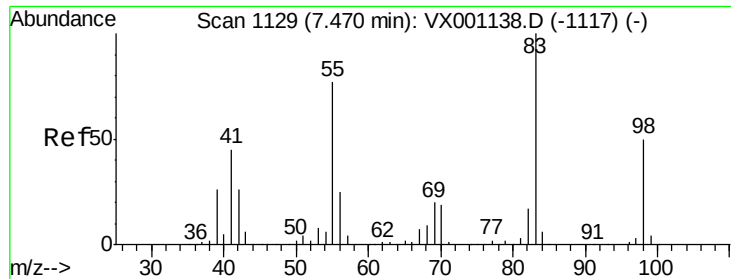
#38
Carbon Tetrachloride
Concen: 19.65 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.5	114.7
121	30.3	24.6	37.0



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





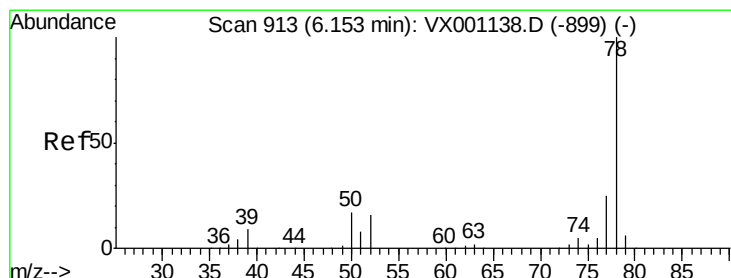
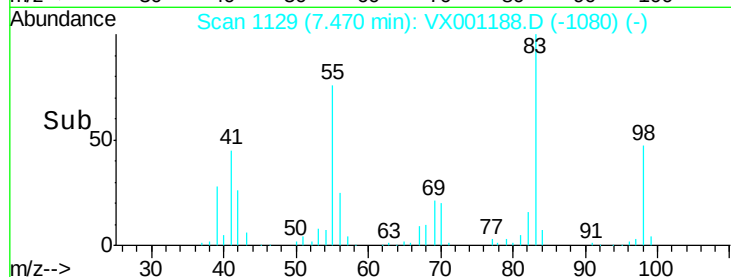
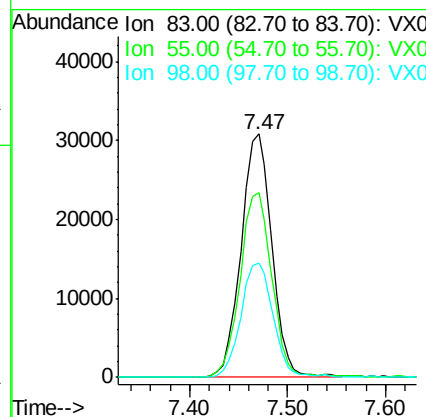
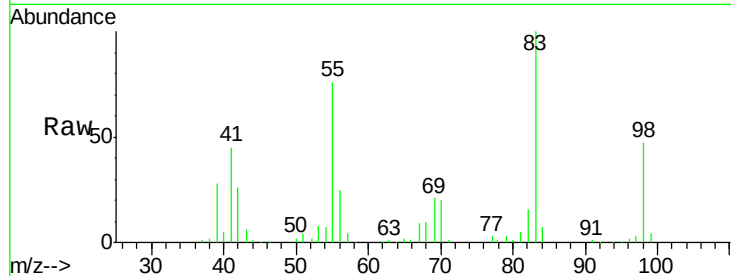
#39
Methylvlcyclohexane
Concen: 19.75 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.8	92.6
98	46.9	40.0	60.0

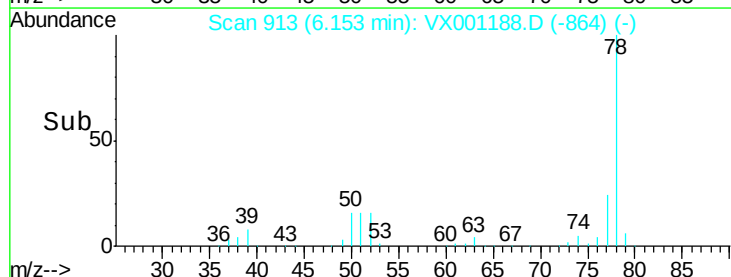
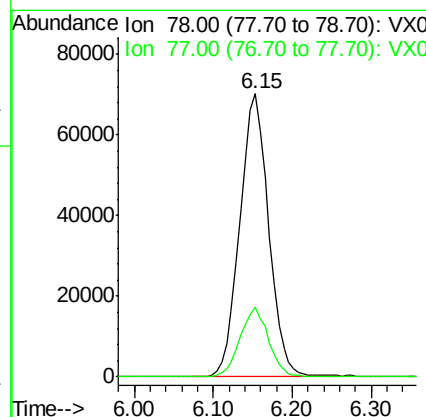
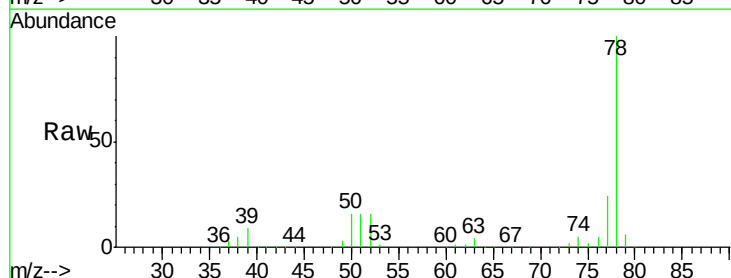
Manual Integrations
APPROVED

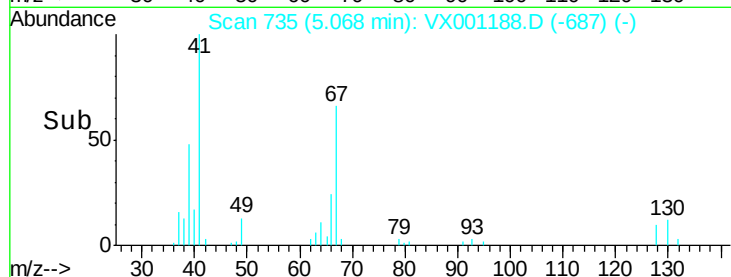
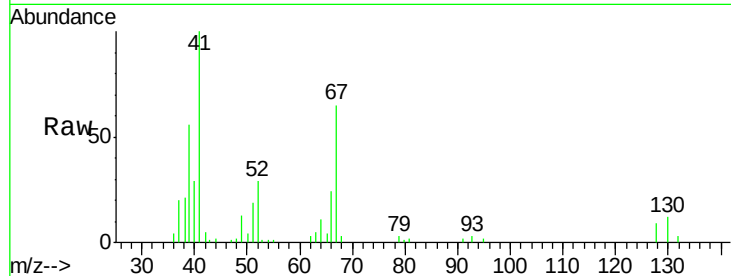
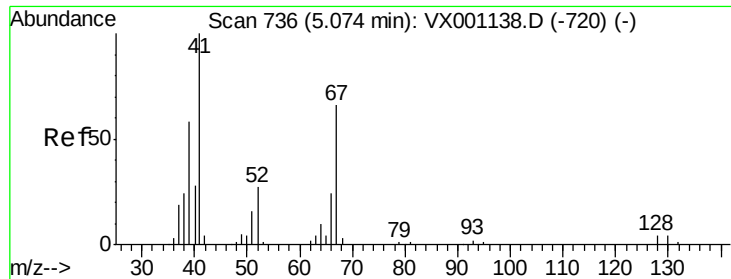
MMDadoda
4/30/2018 6:04:41 PM



#40
Benzene
Concen: 20.10 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.7	29.5





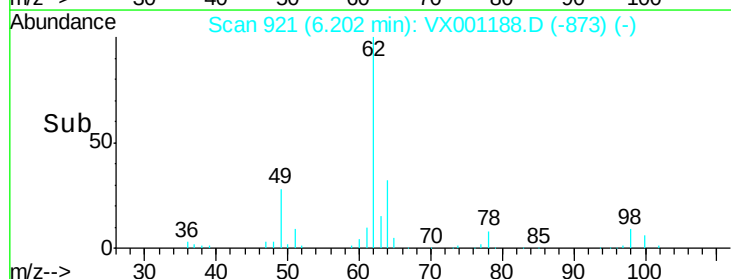
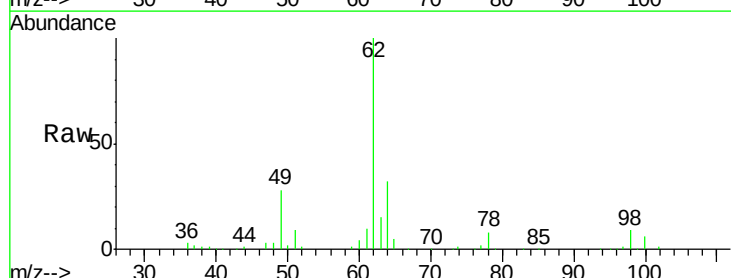
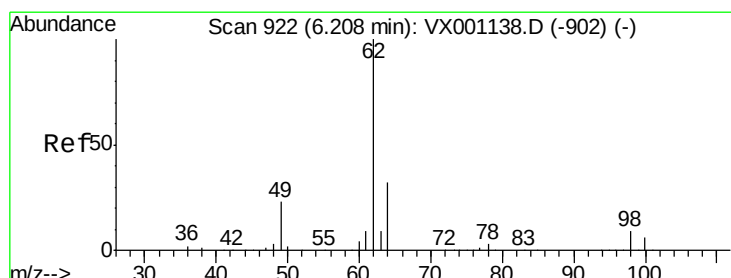
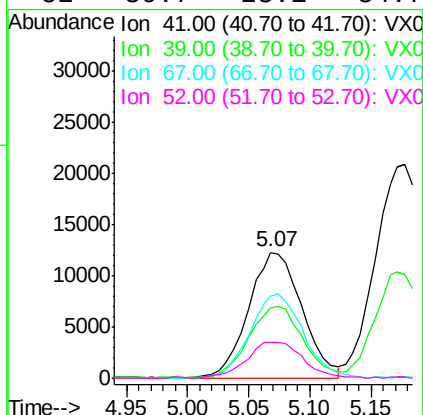
#41
Methacrylonitrile
Concen: 17.81 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	37053		
39	39	56.9		45.9	68.9
67	67	67.0		53.2	79.8
52	52	30.7		23.1	34.7

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

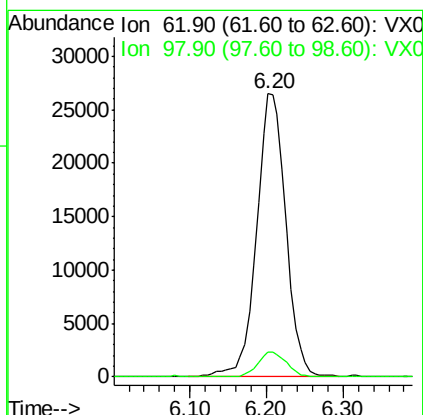
Manual Integrations
APPROVED

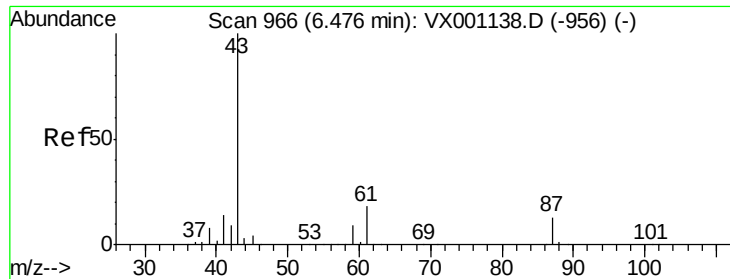
MMDadoda
4/30/2018 6:04:41 PM



#42
1,2-Dichloroethane
Concen: 19.63 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.01 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	70743		
98	98	8.7		0.0	17.0





#43

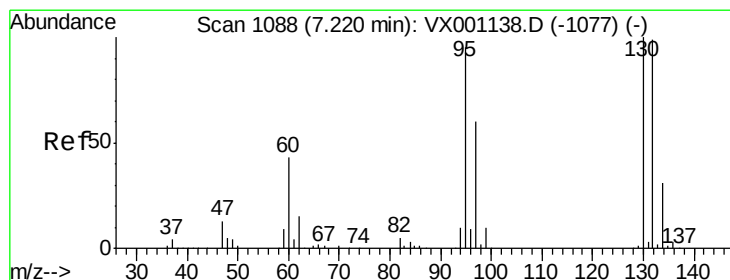
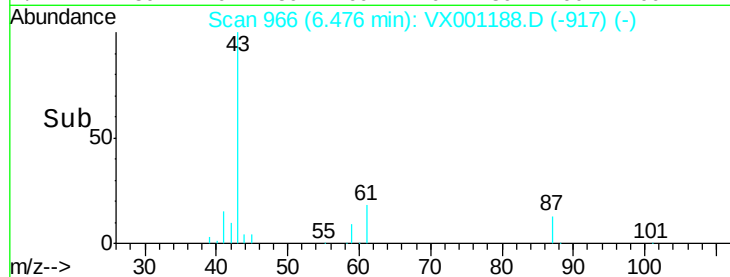
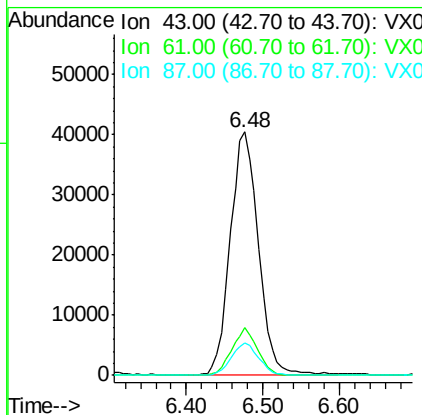
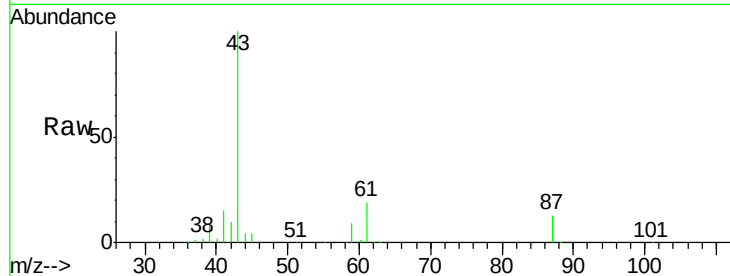
Isopropyl Acetate
 Concen: 17.61 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.0	22.6
87	12.9	10.3	15.5

Manual Integrations
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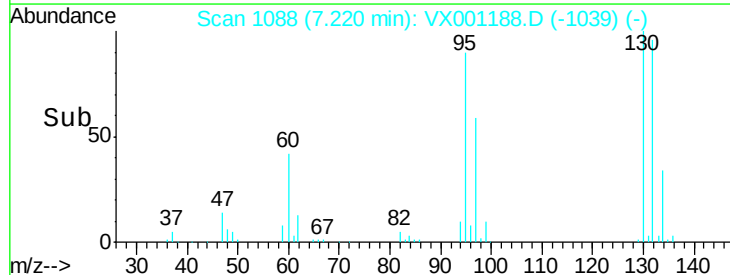
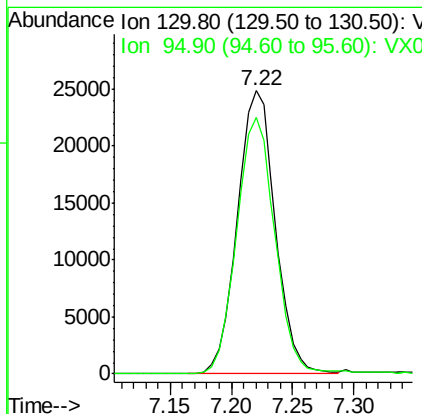
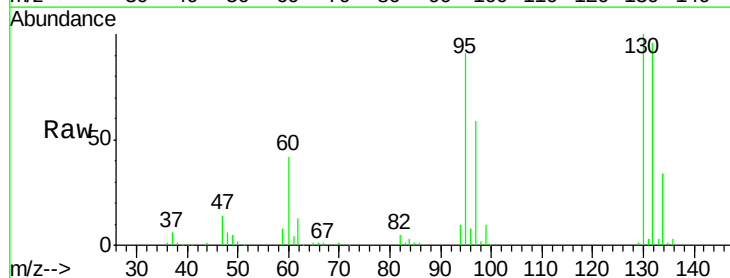
MMDadoda
 4/30/2018 6:04:41 PM

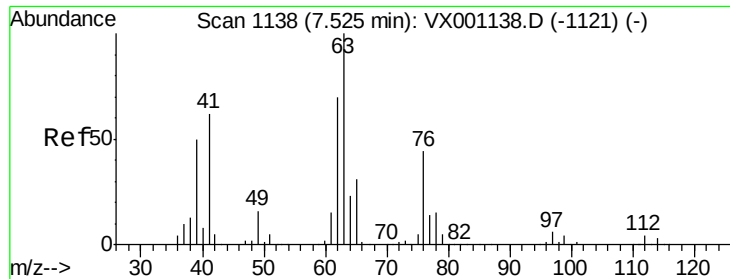


#44

Trichloroethene
 Concen: 20.12 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	189.6





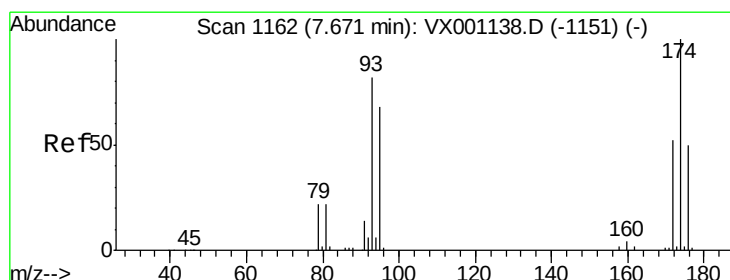
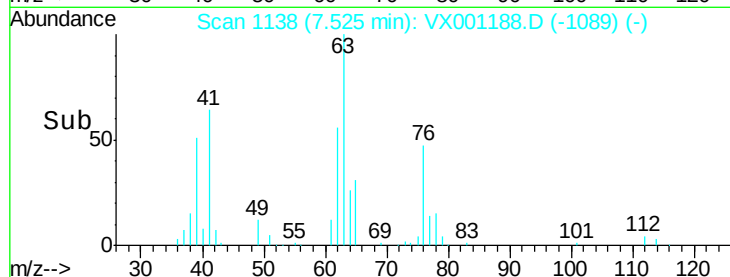
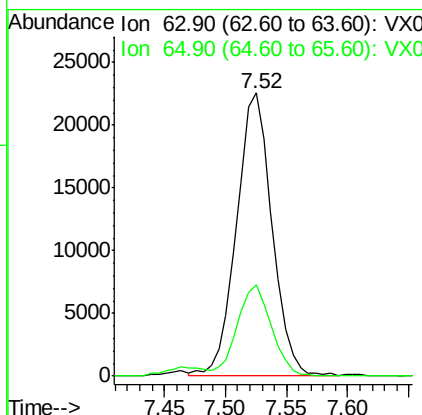
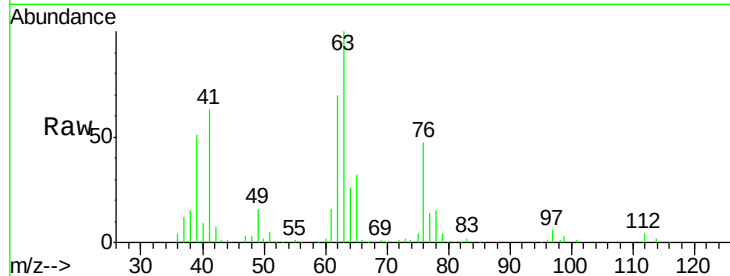
#45
 1,2-Dichloropropane
 Concen: 19.12 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion: 63 Resp: 44972
 Ion Ratio Lower Upper
 63 100
 65 32.3 24.9 37.3

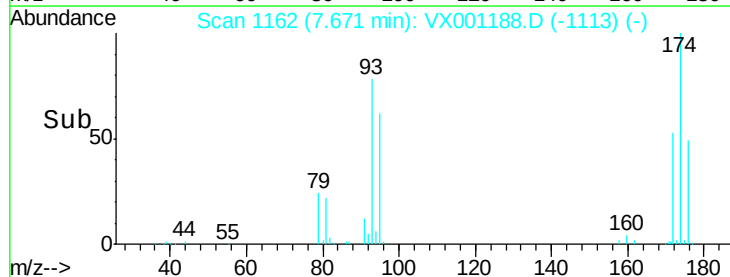
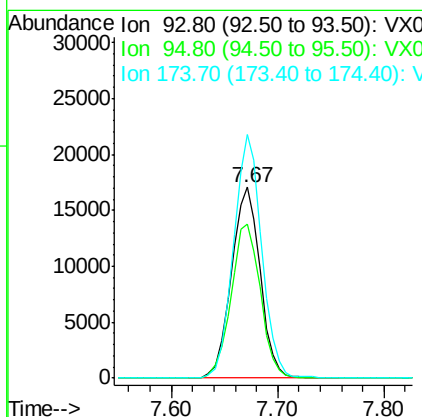
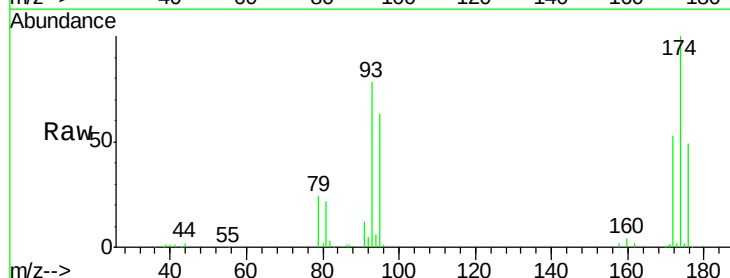
Manual Integrations
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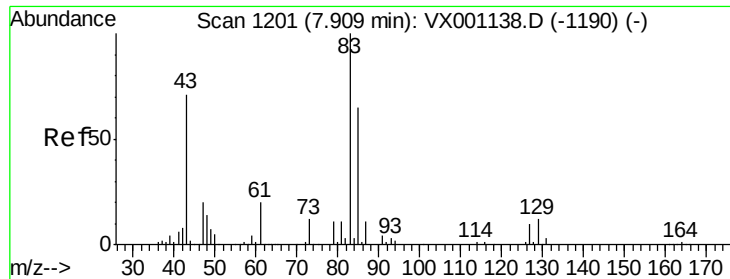
MMDadoda
 4/30/2018 6:04:41 PM



#46
 Dibromomethane
 Concen: 19.88 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion: 93 Resp: 32378
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.4 99.6
 174 124.6 99.6 149.4





#47

Bromodichloromethane

Concen: 19.19 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

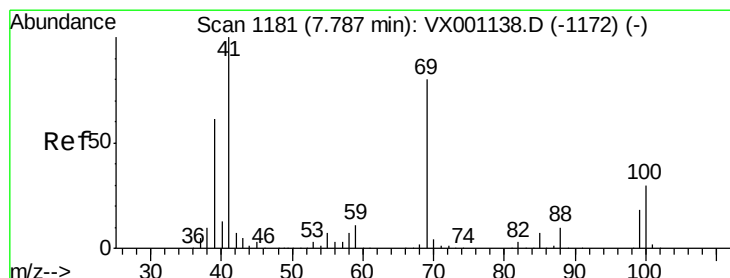
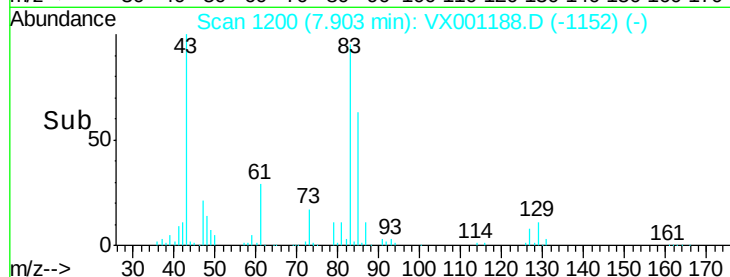
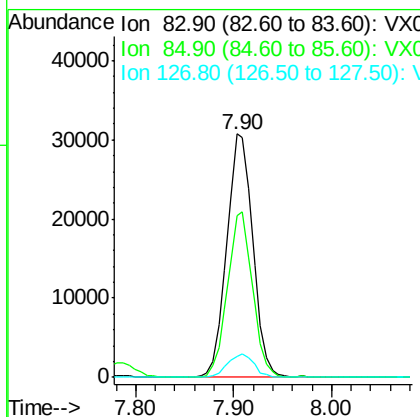
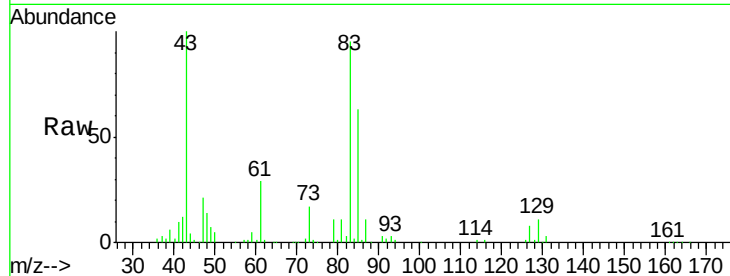
ClientSampleId :

VX0427WBS02

Tot Ion:	83	Resp:	56788
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.9	77.9
127	8.8	7.7	11.5

Manual Integrations
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4/30/2018 6:04:41 PM



#48

Methyl methacrylate

Concen: 17.97 ug/l

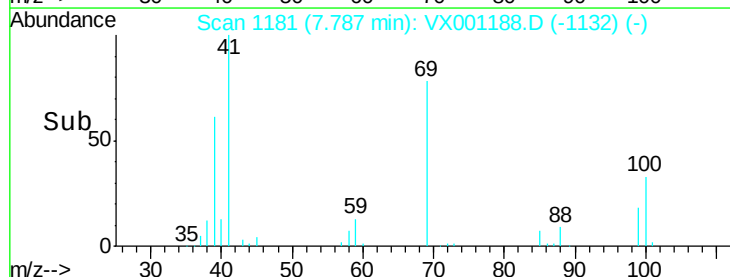
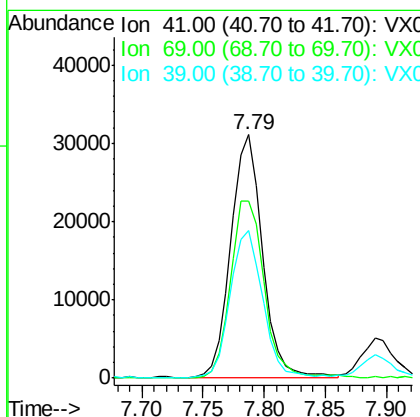
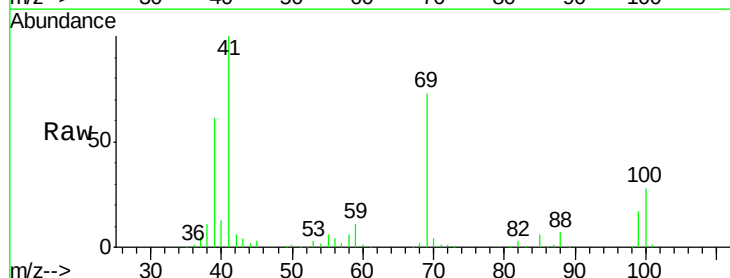
RT: 7.79 min Scan# 1181

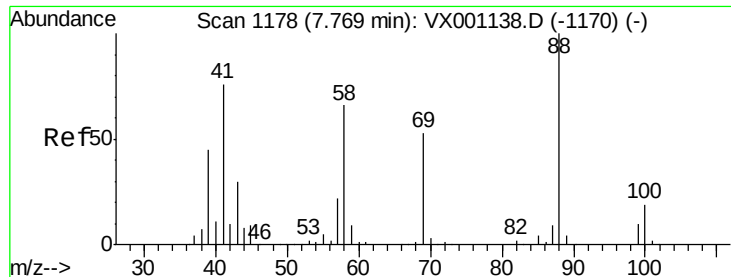
Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Tgt Ion:	41	Resp:	55535
Ion	Ratio	Lower	Upper
41	100		
69	78.3	62.4	93.6
39	62.4	48.7	73.1





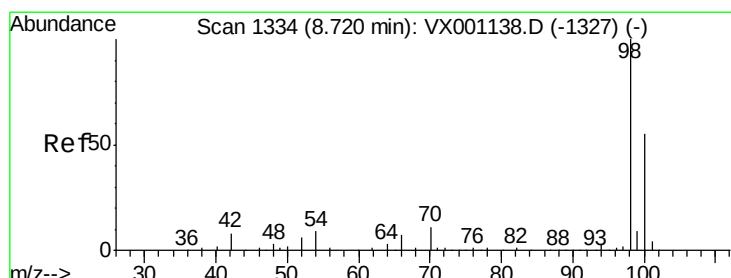
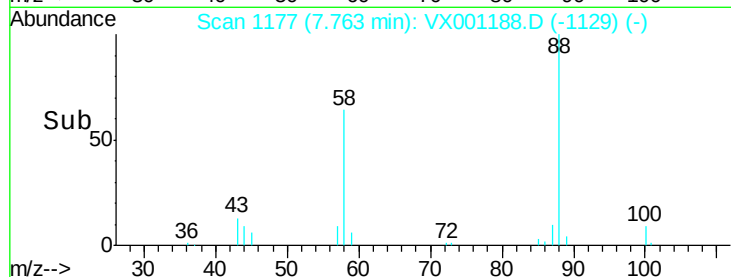
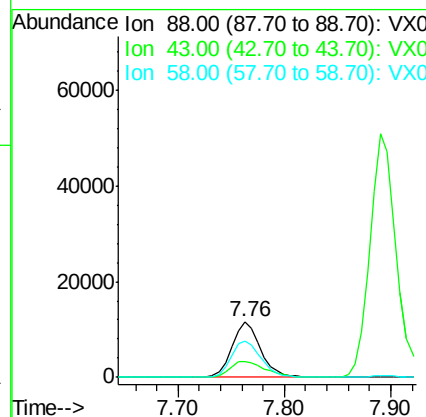
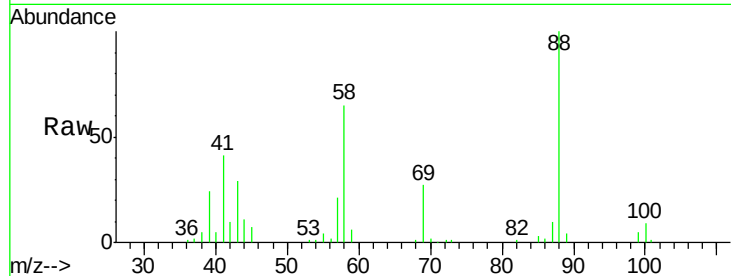
#49
1,4-Dioxane
Concen: 351.42 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.01 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	27.3	40.9
58	69.1	54.2	81.4

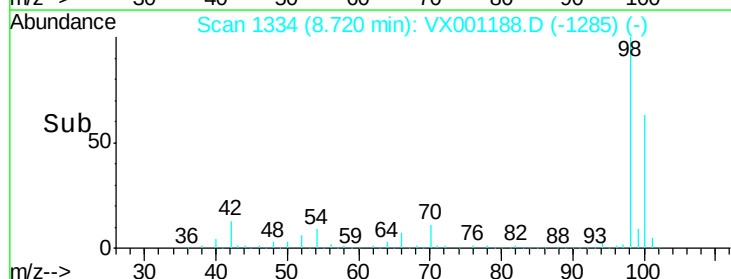
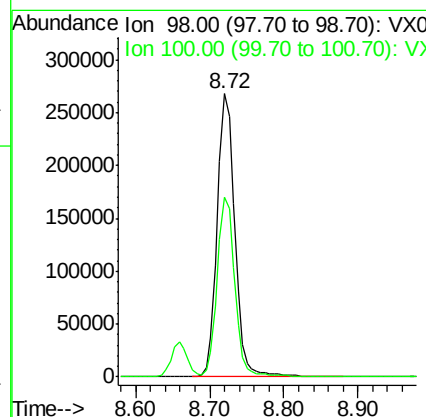
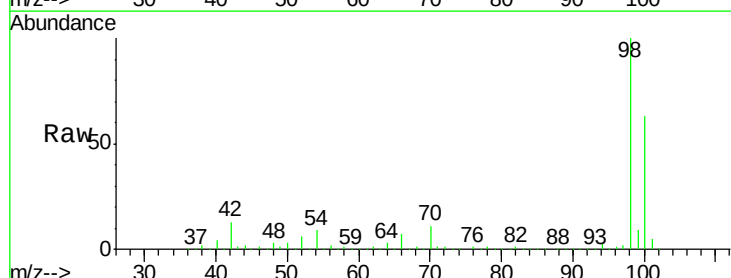
Manual Integrations
APPROVED

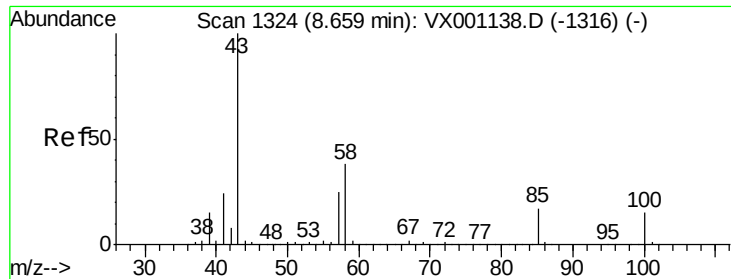
MMDadoda
4/30/2018 6:04:41 PM



#50
Toluene-d8
Concen: 49.95 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 91.90 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampled :

VX0427WBS02

Tot Ion: 43 Resp: 350959

Ion Ratio Lower Upper

43 100

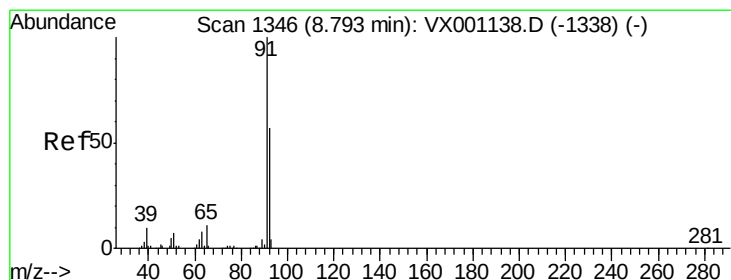
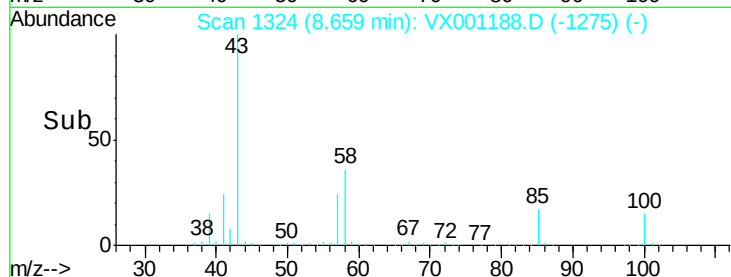
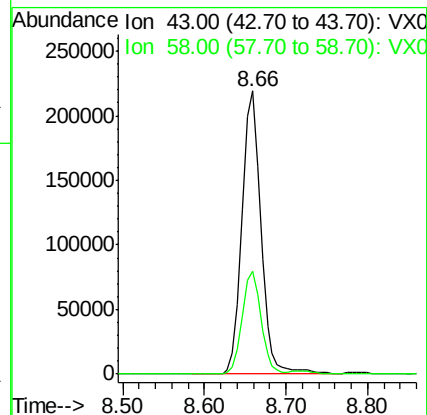
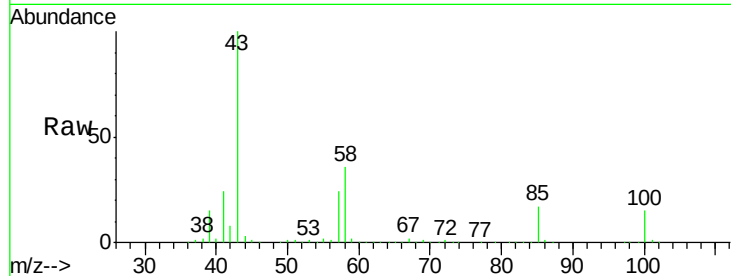
58 36.1 30.2 45.2

Manual Integrations

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4/30/2018 6:04:41 PM



#52

Toluene

Concen: 20.14 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001188.D

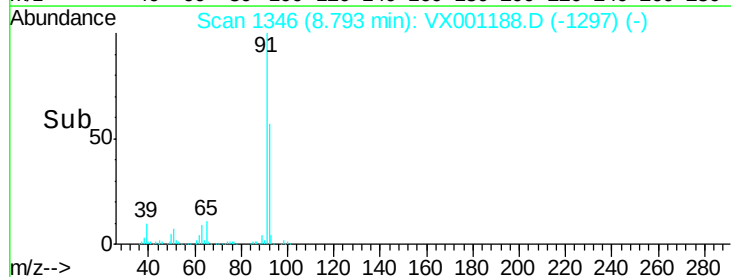
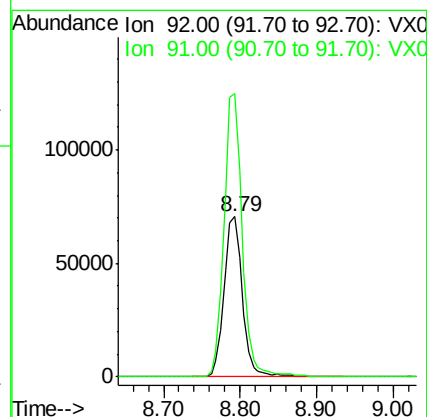
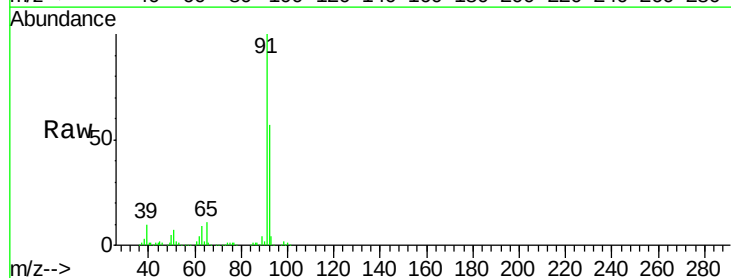
Acq: 27 Apr 2018 23:43

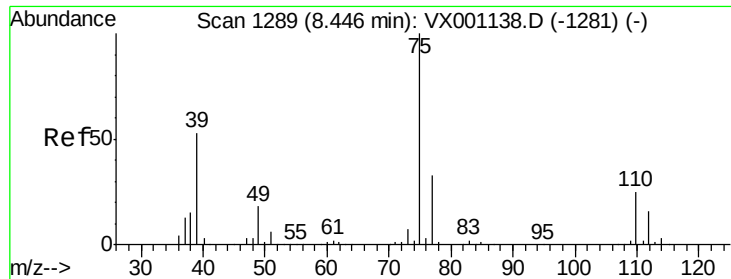
Tgt Ion: 92 Resp: 117747

Ion Ratio Lower Upper

92 100

91 175.3 139.8 209.6





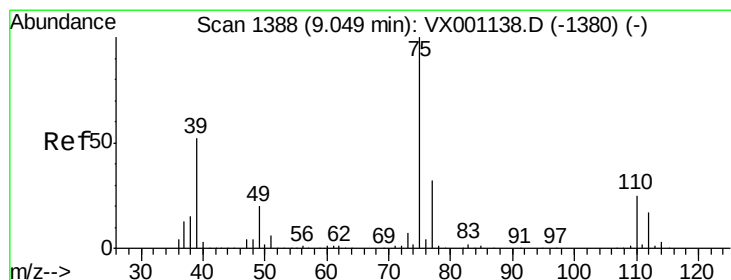
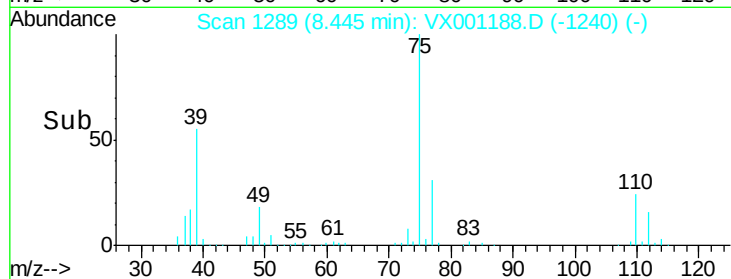
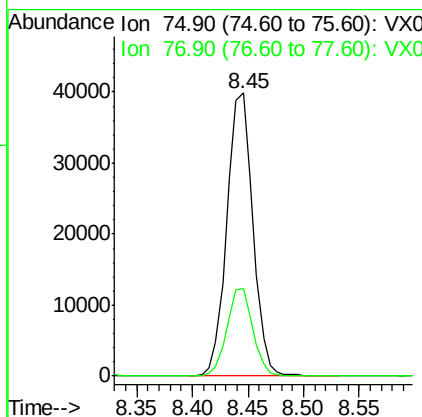
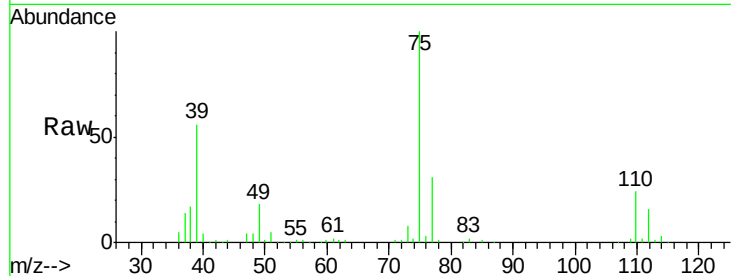
#53
 t-1,3-Dichloropropene
 Concen: 18.79 ug/l
 RT: 8.45 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion: 75 Resp: 64623
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.2 39.4

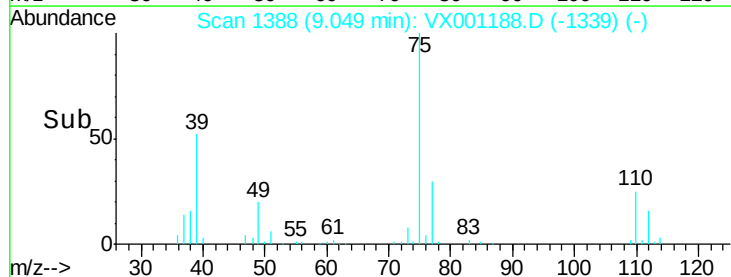
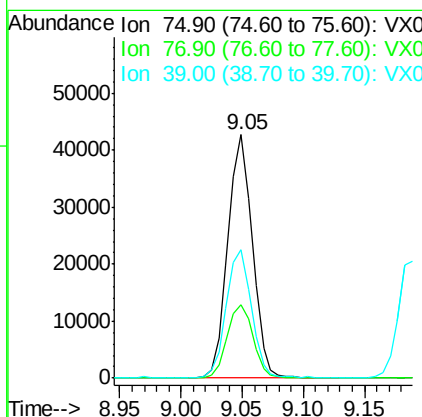
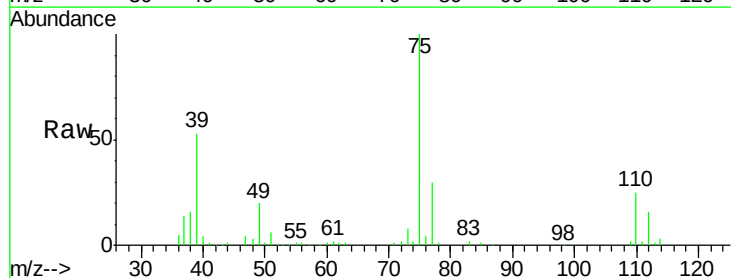
Manual Integrations
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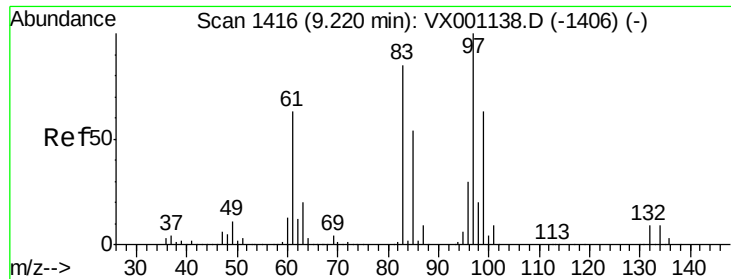
MMDadoda
 4/30/2018 6:04:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.13 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion: 75 Resp: 59611
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.2
 39 52.6 42.0 63.0





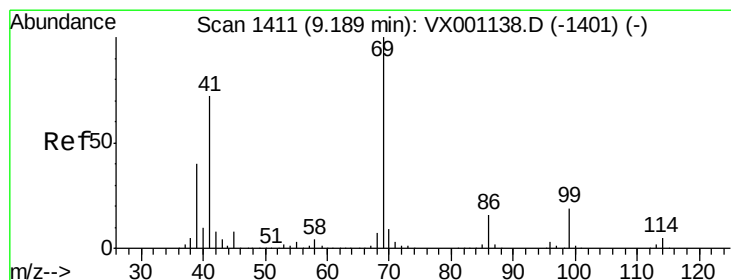
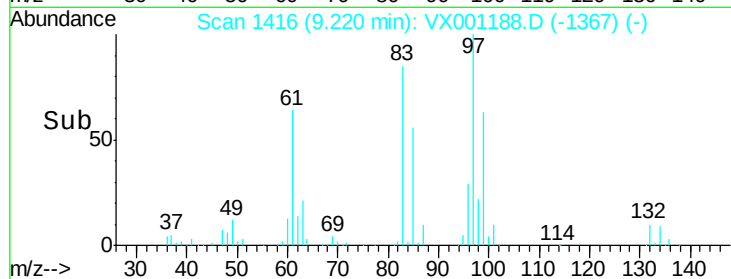
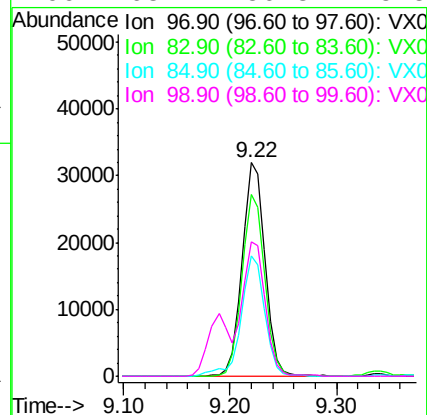
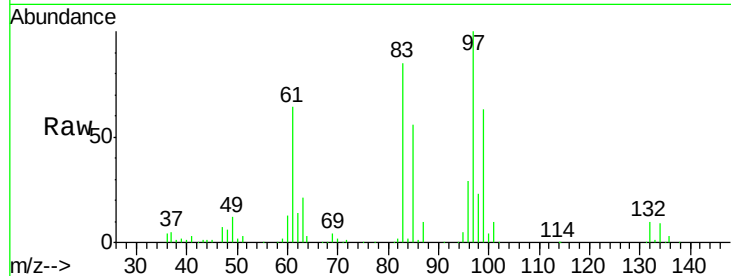
#55
 1,1,2-Trichloroethane
 Concen: 19.59 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion:	97	Resp:	48472
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.0	102.0
85	56.4	42.9	64.3
99	63.1	50.3	75.5

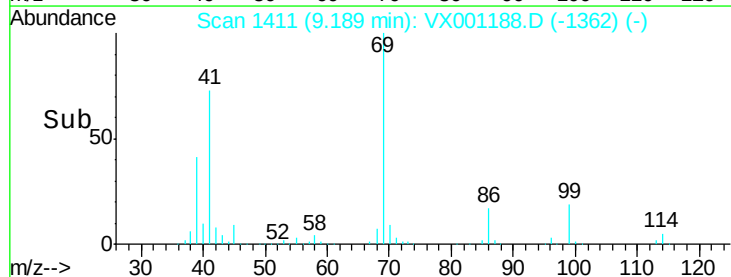
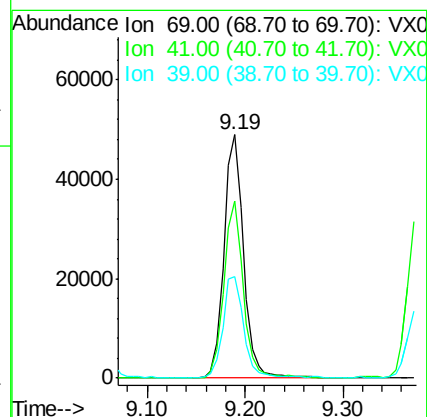
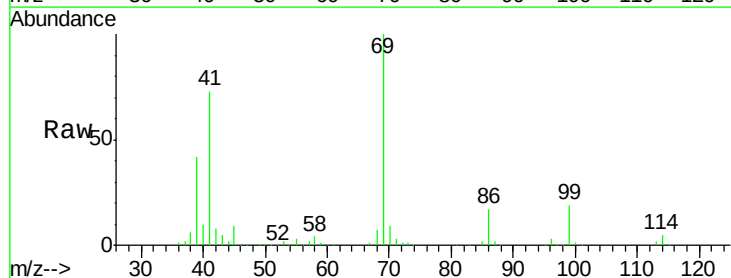
Manual Integrations
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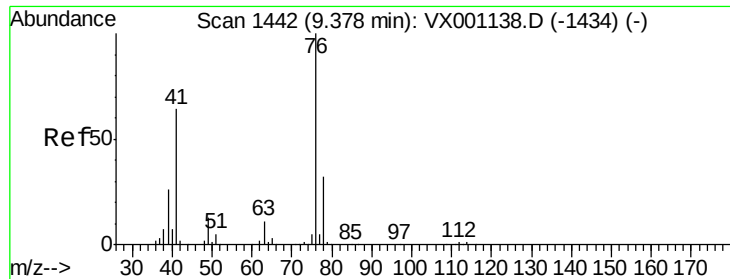
MMDadoda
 4/30/2018 6:04:41 PM



#56
 Ethyl methacrylate
 Concen: 18.59 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion:	69	Resp:	68136
Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.7	86.5
39	43.7	33.3	49.9





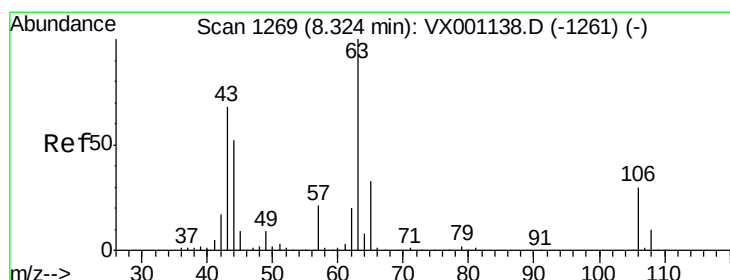
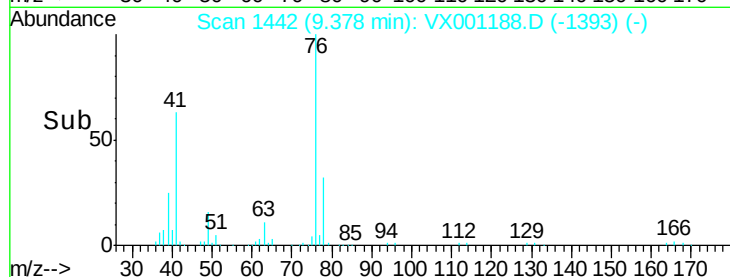
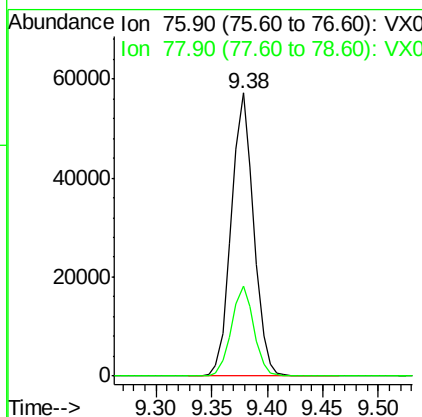
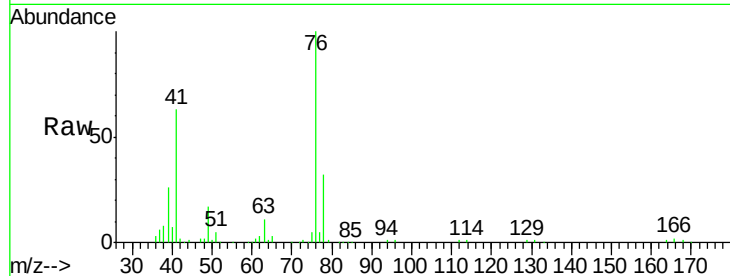
#57
 1,3-Dichloropropane
 Concen: 19.91 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion: 76 Resp: 79670
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1

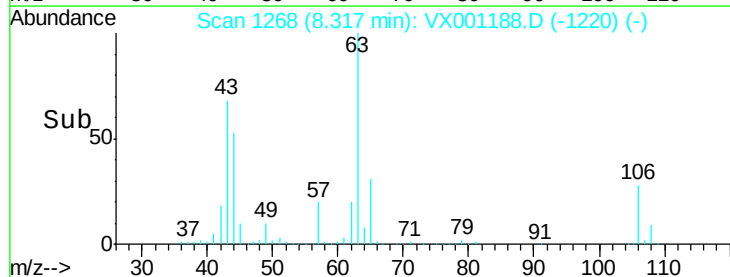
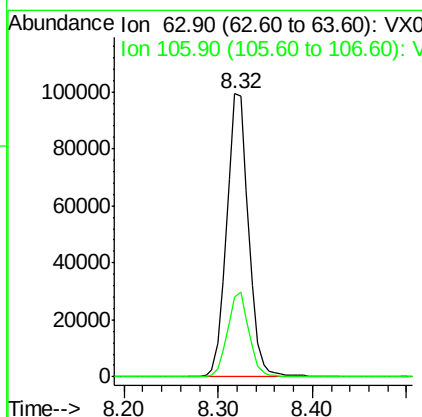
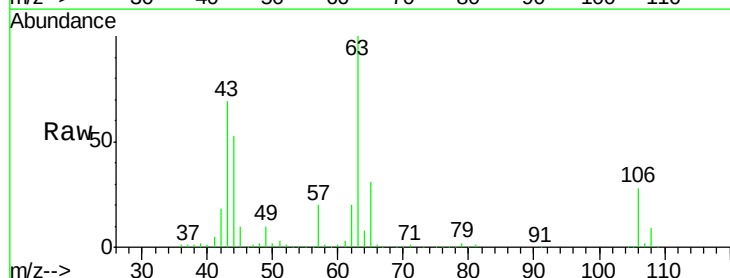
Manual Integrations
 APPROVED

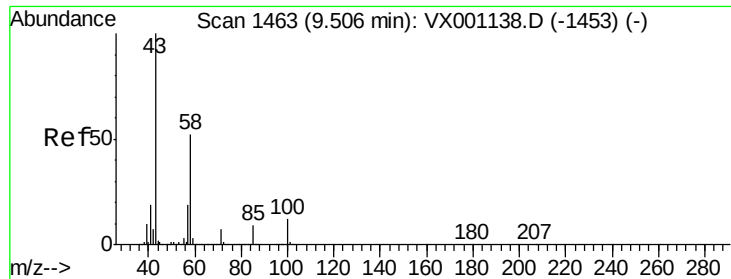
MMDadoda
 4/30/2018 6:04:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.29 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion: 63 Resp: 159918
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.7 35.5





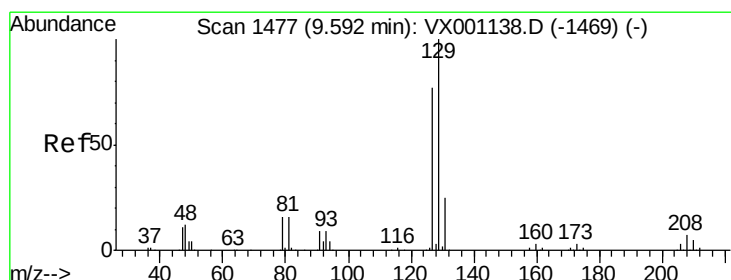
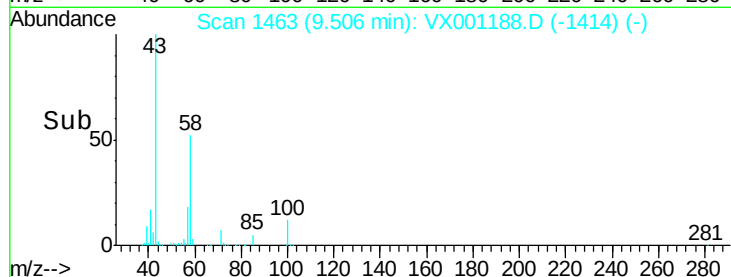
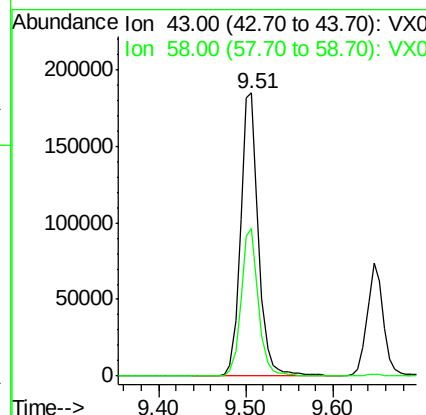
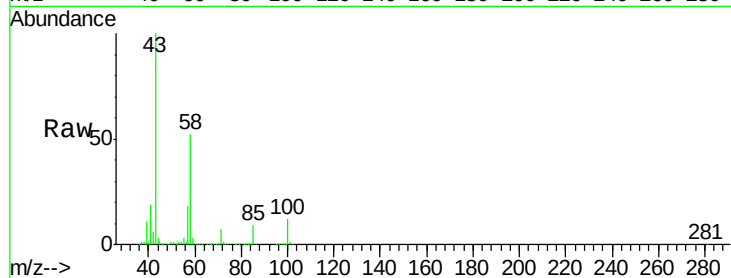
#59
2-Hexanone
Concen: 88.44 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

Tot Ion: 43 Resp: 264606
Ion Ratio Lower Upper
43 100
58 50.7 25.8 77.4

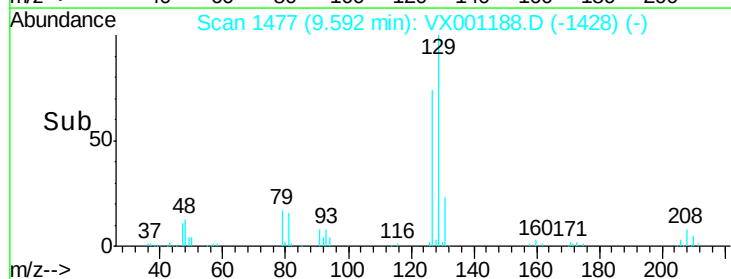
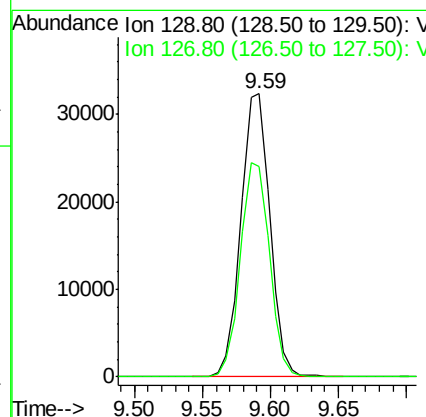
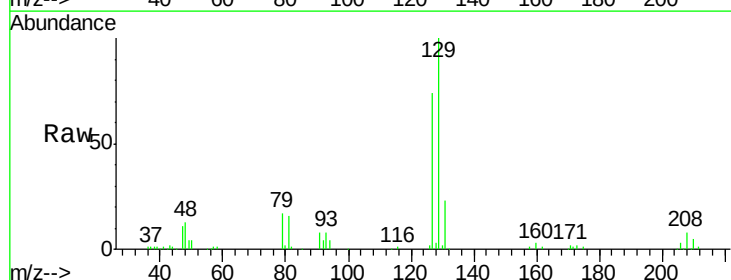
Manual Integrations
APPROVED

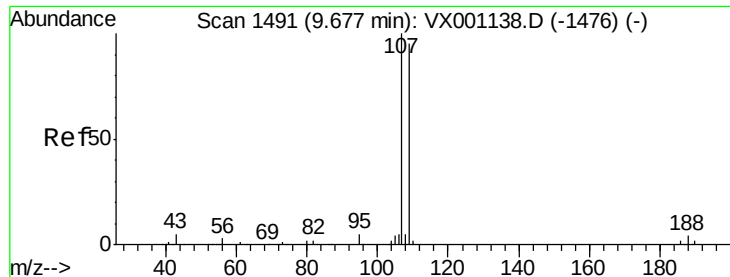
MMDadoda
4/30/2018 6:04:41 PM



#60
Dibromochloromethane
Concen: 18.92 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion: 129 Resp: 48245
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.86 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion:107 Resp: 51476

Ion Ratio Lower Upper

107 100

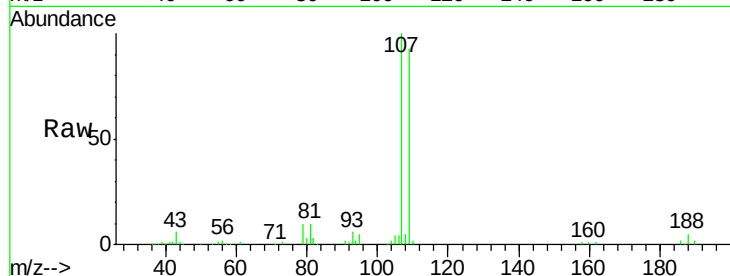
109 94.6 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

4/30/2018 6:04:41 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

40000

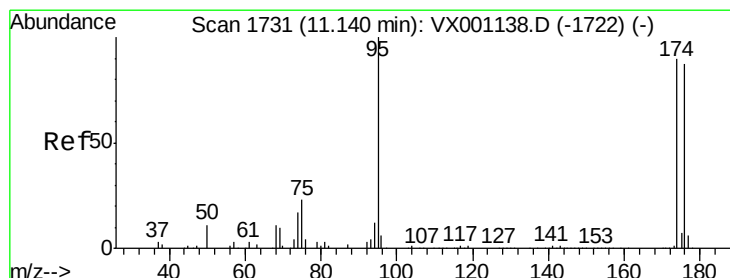
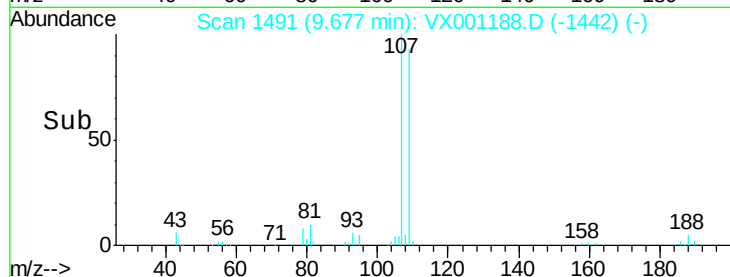
30000

20000

10000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

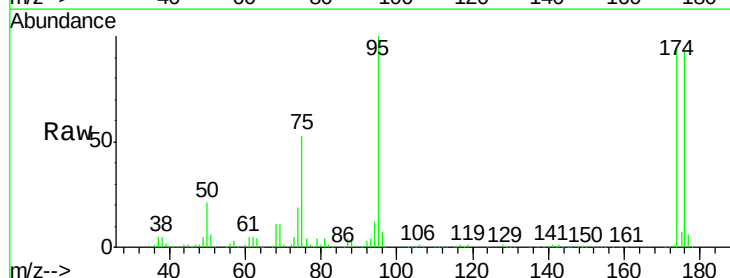
Tgt Ion: 95 Resp: 164580

Ion Ratio Lower Upper

95 100

174 100.8 0.0 194.4

176 98.4 0.0 190.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

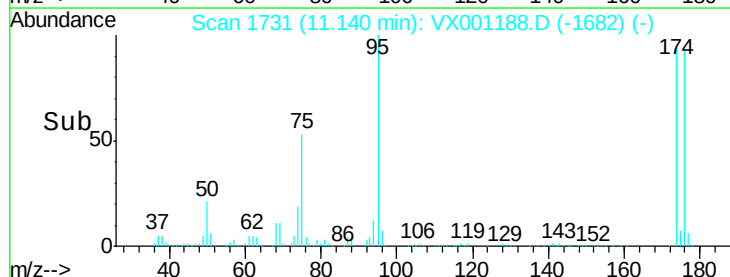
150000

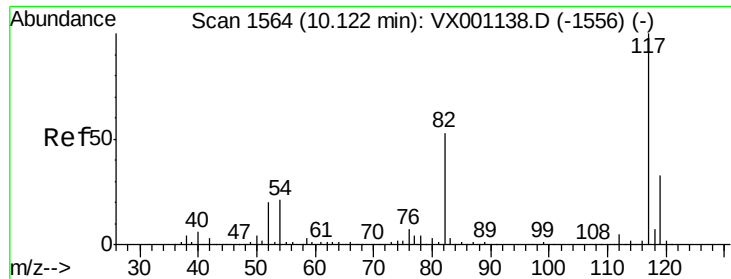
100000

50000

0

Time--> 11.10 11.20





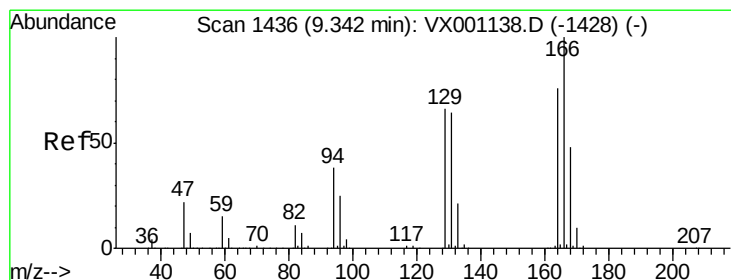
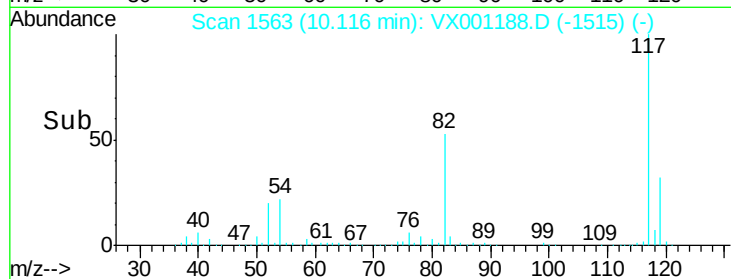
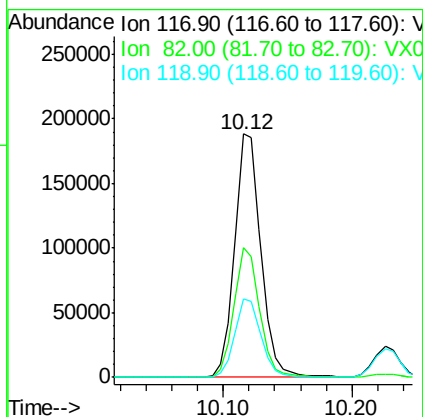
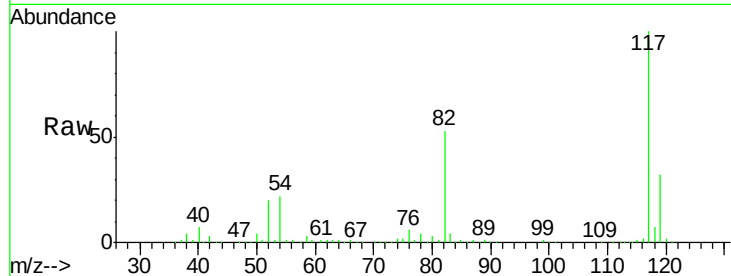
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.1	63.1
119	32.1	26.1	39.1

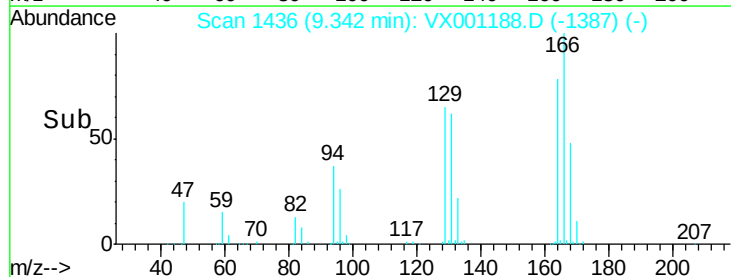
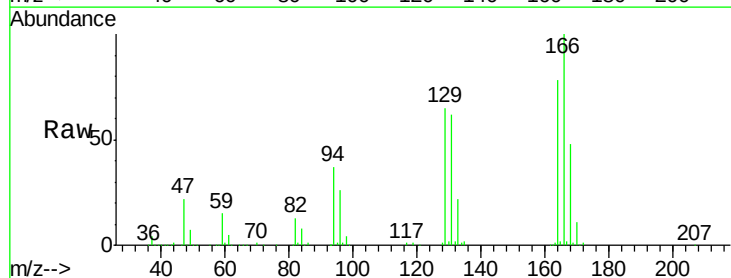
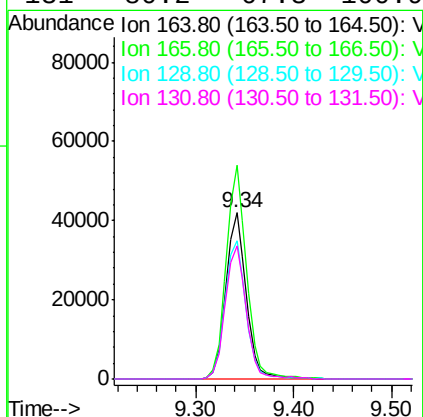
Manual Integrations
APPROVED

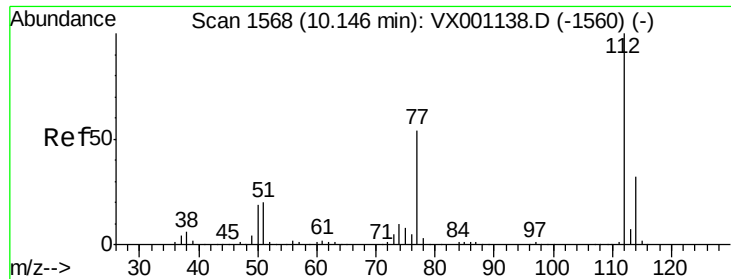
MMDadoda
4/30/2018 6:04:41 PM



#64
Tetrachloroethene
Concen: 21.27 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	105.0	157.6
129	83.0	69.4	104.2
131	80.2	67.3	100.9





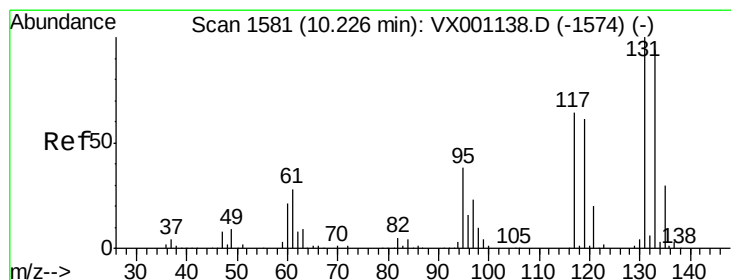
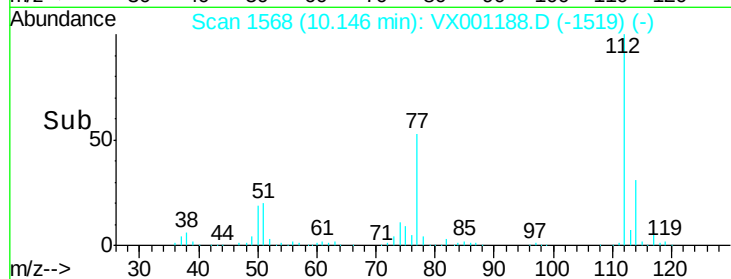
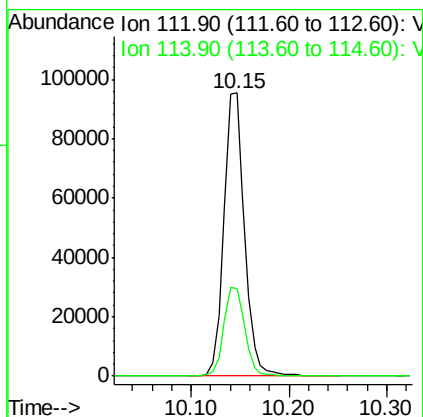
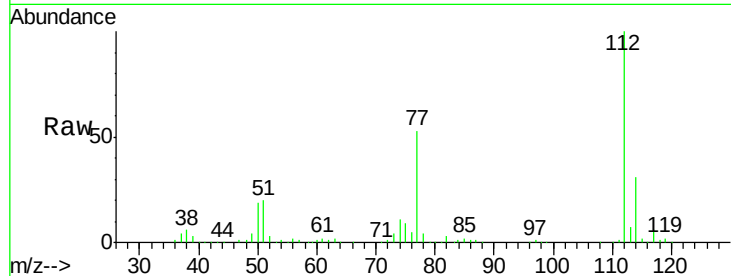
#65
Chlorobenzene
Concen: 19.89 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampled :
VX0427WBS02

Tot Ion:112 Resp: 139757
Ion Ratio Lower Upper
112 100
114 31.2 25.7 38.5

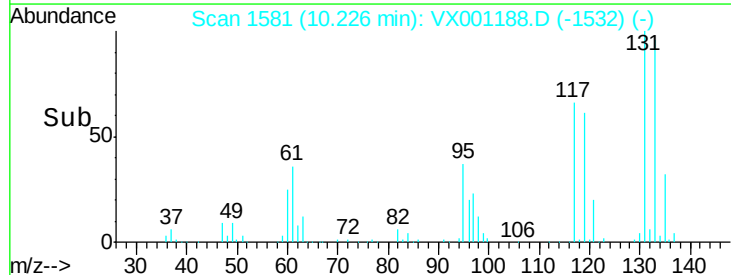
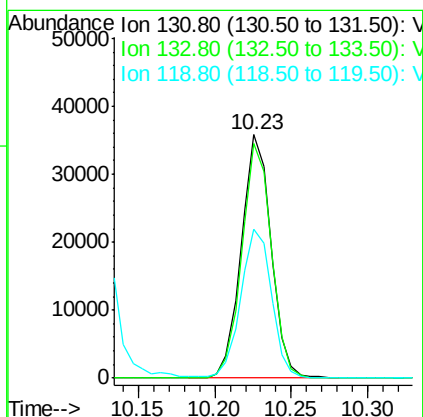
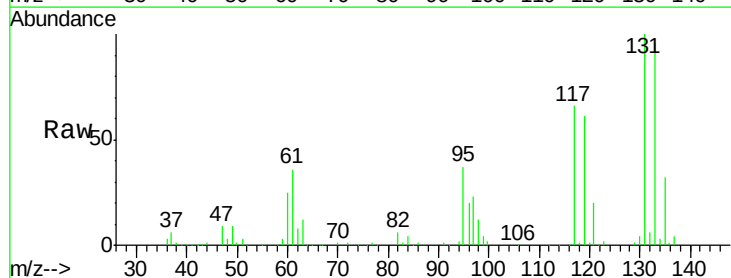
Manual Integrations
APPROVED

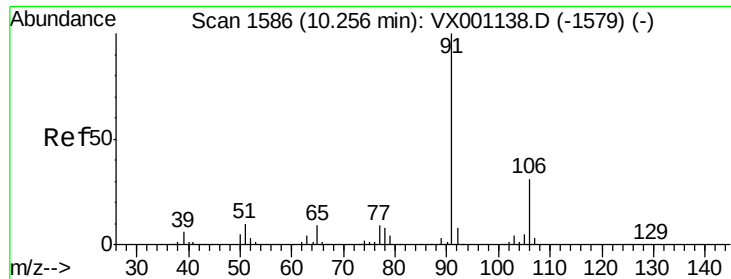
MMDadoda
4/30/2018 6:04:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.90 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion:131 Resp: 48376
Ion Ratio Lower Upper
131 100
133 95.9 47.8 143.4
119 64.1 31.3 93.8





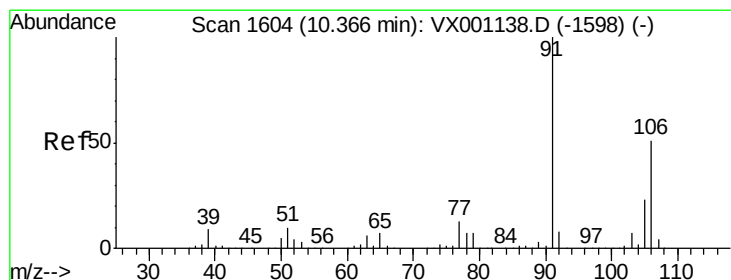
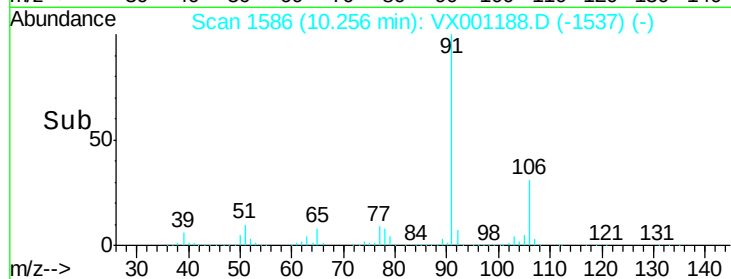
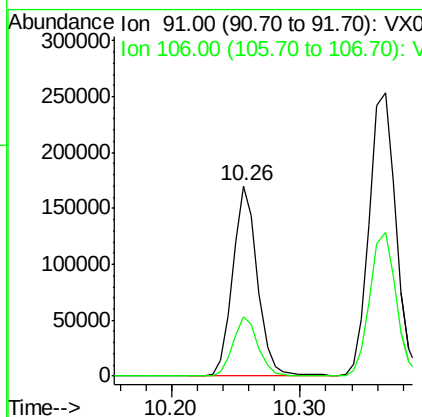
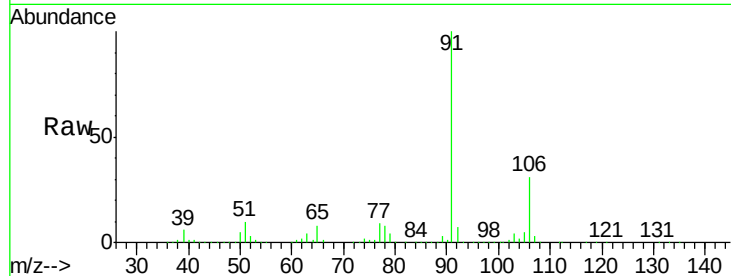
#67
Ethyl Benzene
Concen: 20.04 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

Tot Ion: 91 Resp: 228817
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

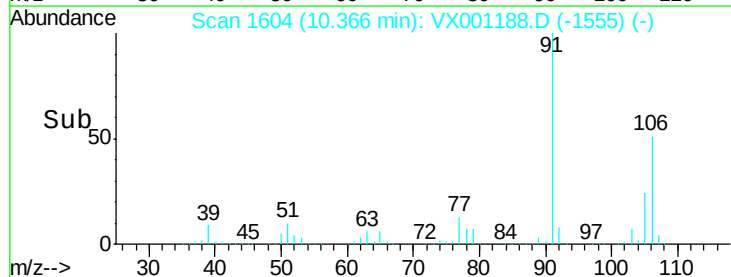
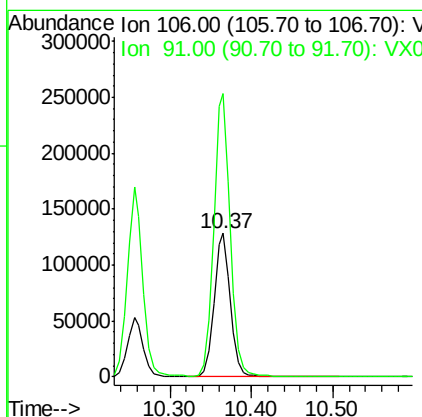
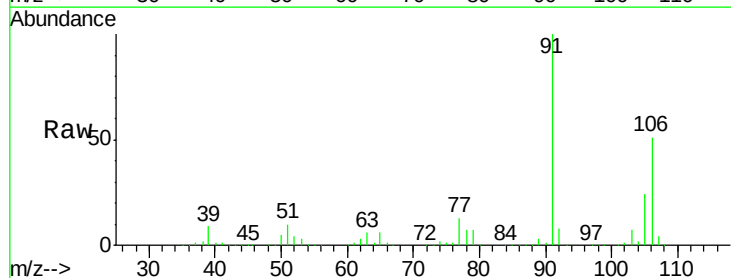
Manual Integrations
APPROVED

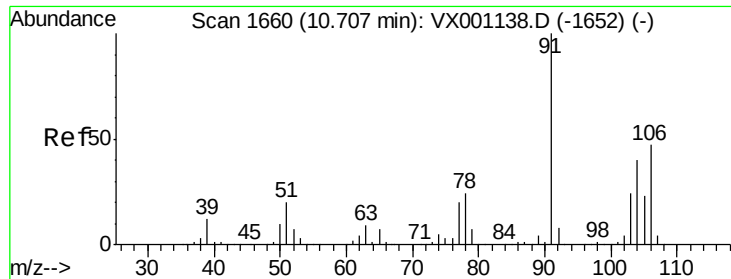
MMDadoda
4/30/2018 6:04:41 PM



#68
m/p-Xylenes
Concen: 40.22 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion: 106 Resp: 181534
Ion Ratio Lower Upper
106 100
91 200.2 160.9 241.3





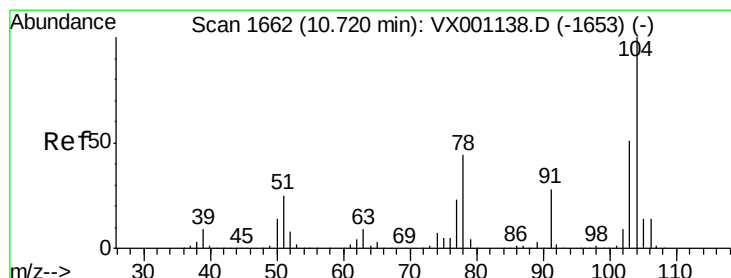
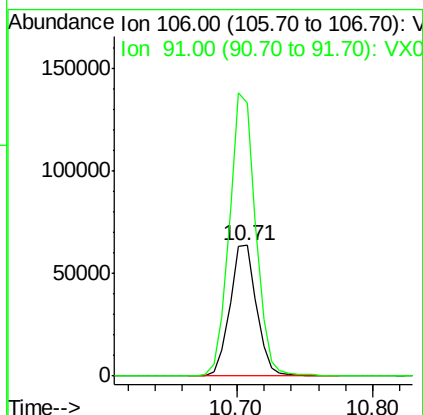
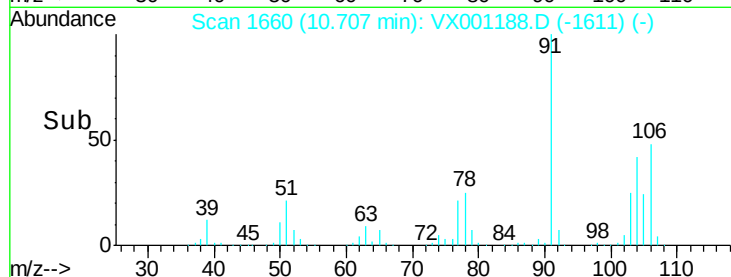
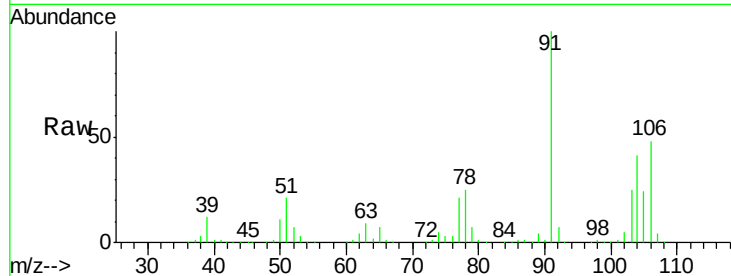
#69
o-Xylene
Concen: 19.91 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

Tot Ion:106 Resp: 87137
Ion Ratio Lower Upper
106 100
91 213.2 106.2 318.5

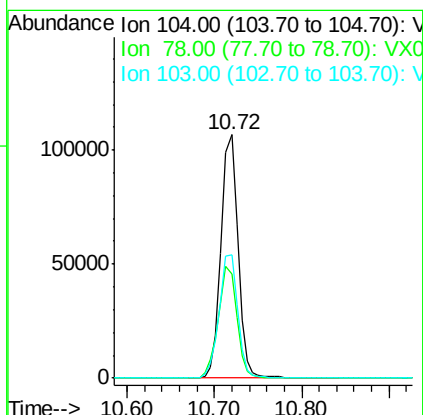
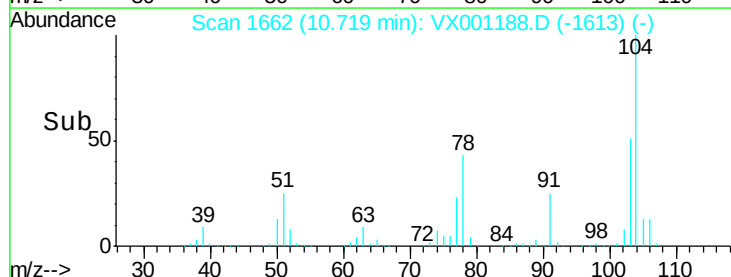
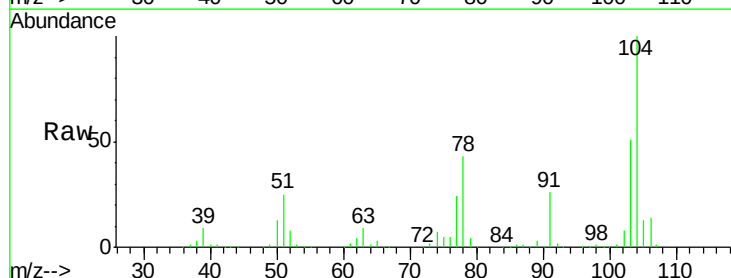
Manual Integrations
APPROVED

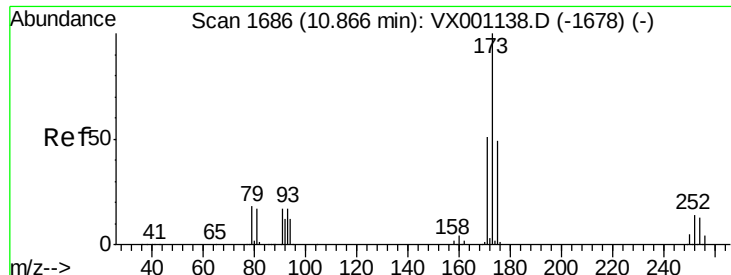
MMDadoda
4/30/2018 6:04:41 PM



#70
Styrene
Concen: 19.81 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion:104 Resp: 144334
Ion Ratio Lower Upper
104 100
78 50.2 40.3 60.5
103 55.5 44.3 66.5





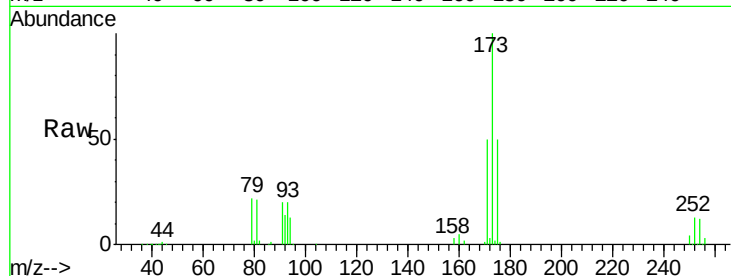
#71
Bromoform
Concen: 18.20 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

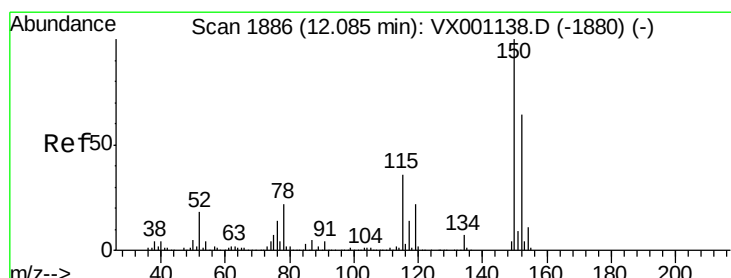
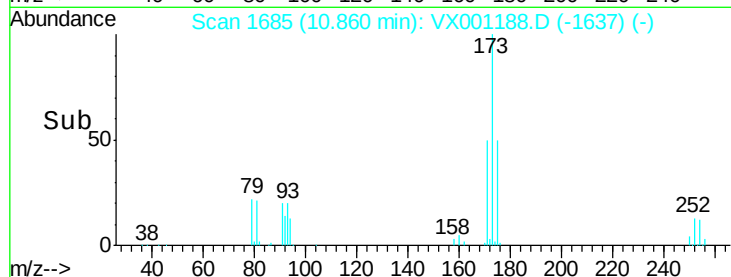
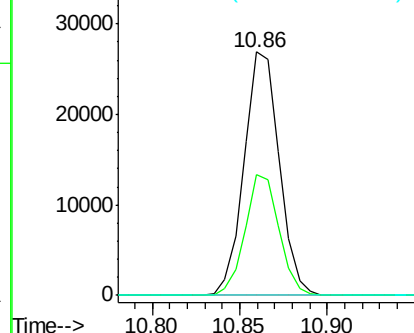
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	73.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:04:41 PM

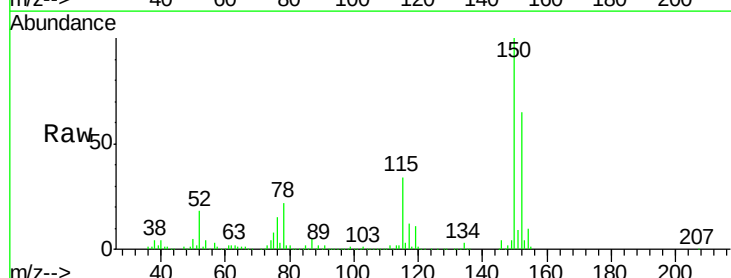


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

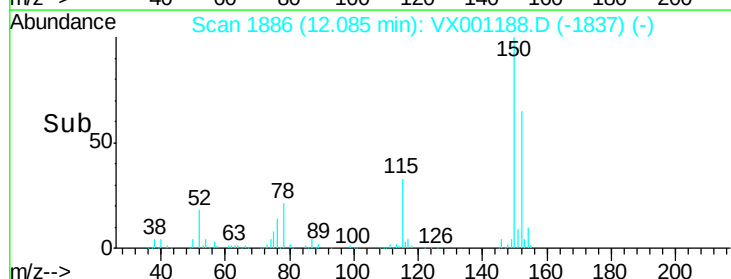
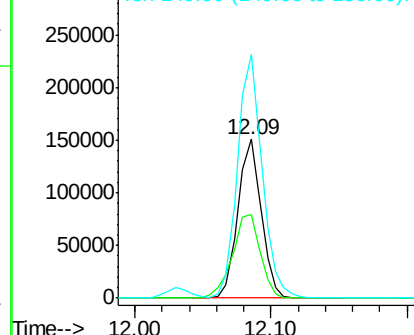


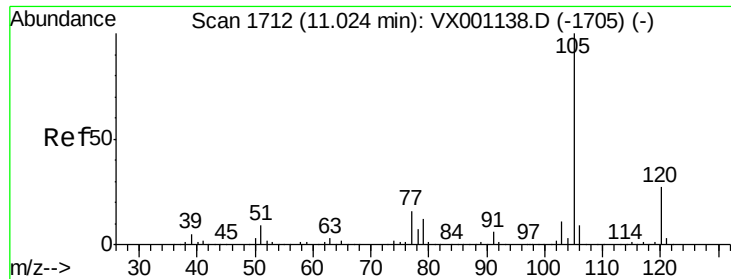
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	38.0	114.0
150	162.8	0.0	349.6



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





#73

Isopropylbenzene

Concen: 20.08 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 105 Resp: 235531

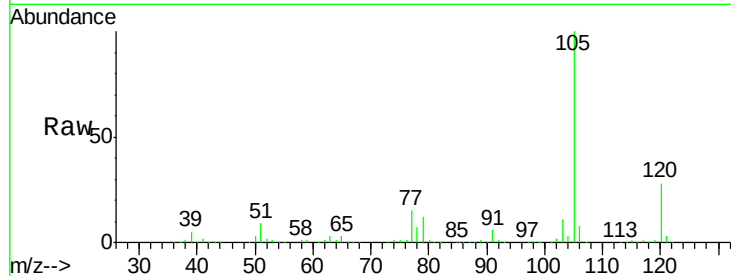
Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.8

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

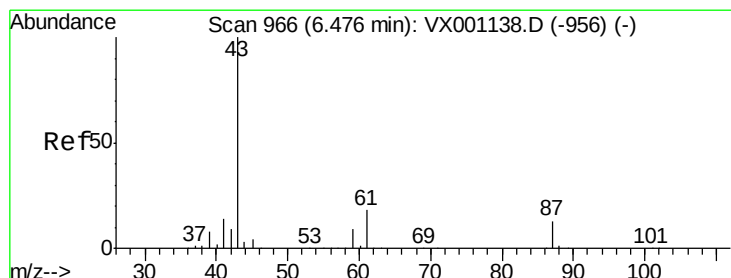
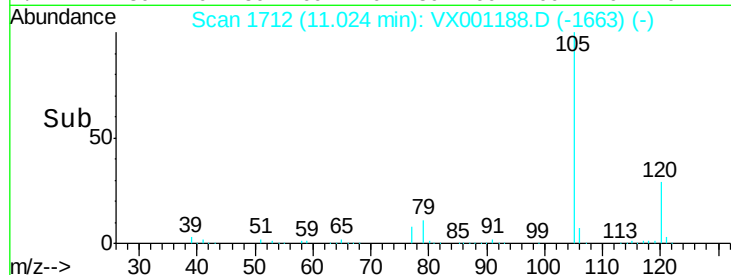
100000

50000

0

11.00 11.10

Time-->



#74

N-ethyl acetate

Concen: 17.33 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Tgt Ion: 43 Resp: 102398

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 17.9 15.0 22.6

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

60000

50000

40000

30000

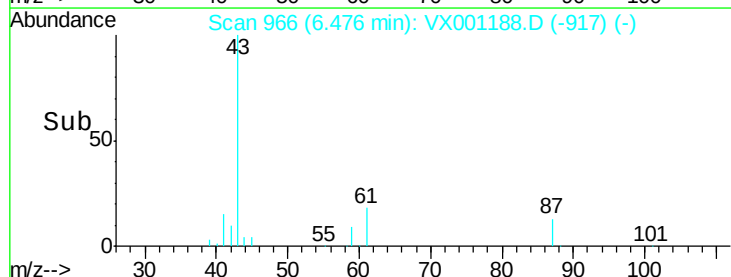
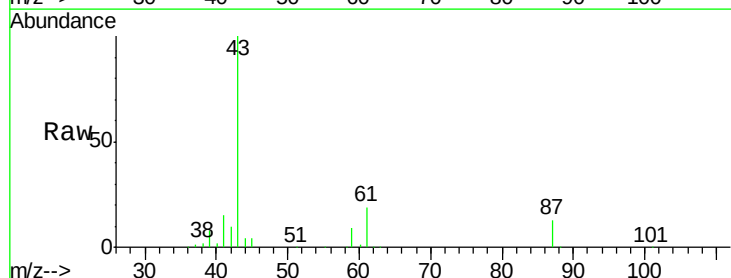
20000

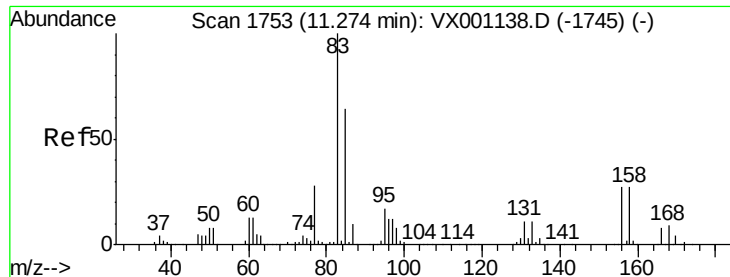
10000

0

6.40 6.50 6.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.52 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

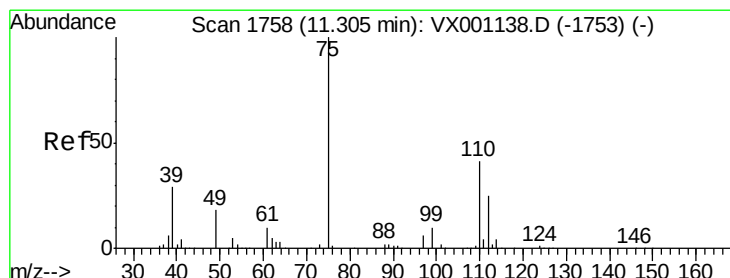
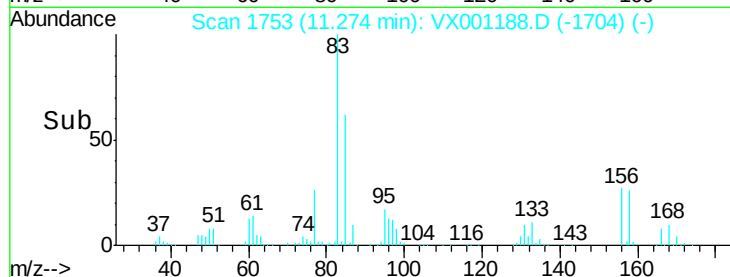
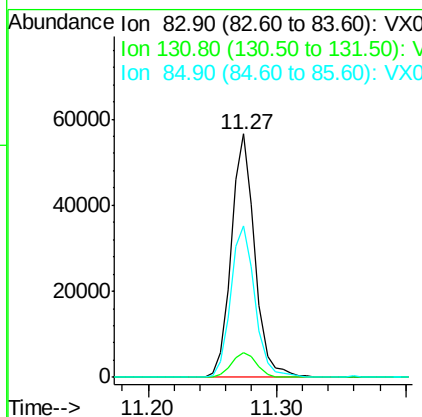
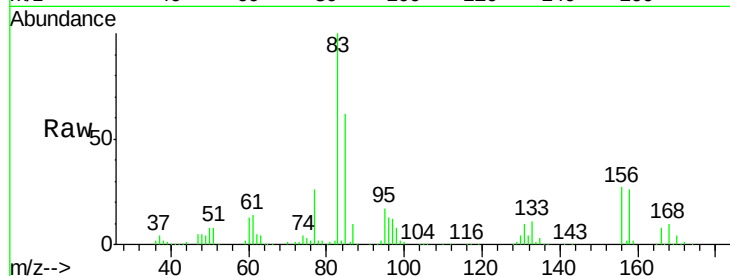
ClientSampleId :

VX0427WBS02

Tot Ion:	83	Resp:	72073
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.8	17.4
85	64.6	32.1	96.3

Manual Integrations
APPROVED

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4/30/2018 6:04:41 PM



#76

1,2,3-Trichloropropane

Concen: 18.24 ug/l m

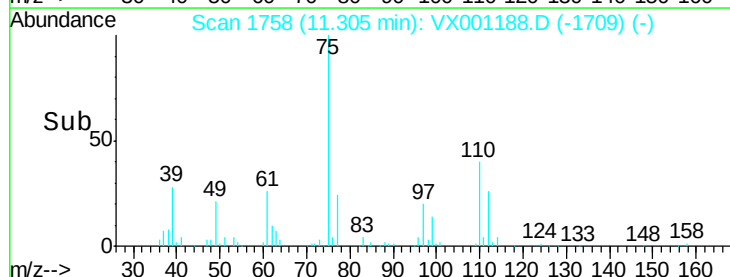
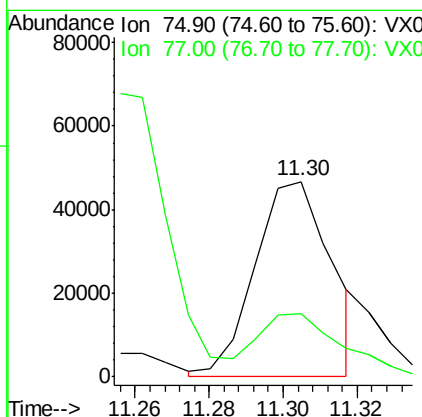
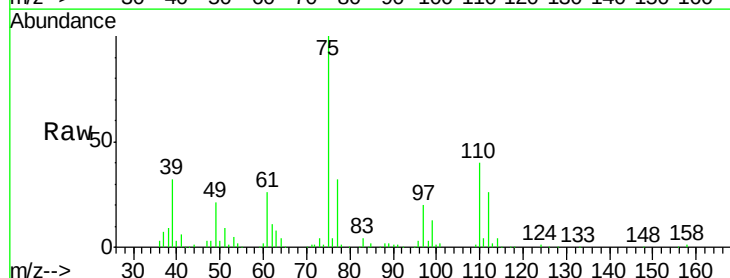
RT: 11.30 min Scan# 1758

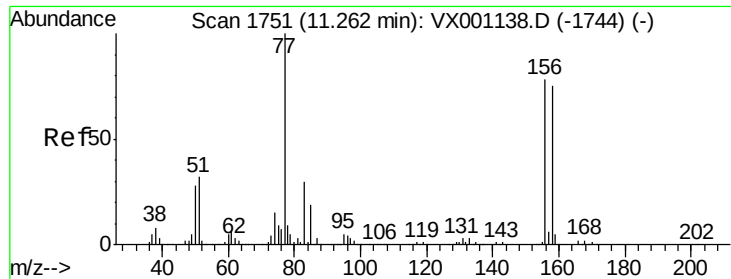
Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Tgt Ion:	75	Resp:	66824
Ion	Ratio	Lower	Upper
75	100		
77	35.4	18.9	56.9





#77

Bromobenzene

Concen: 19.75 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion:156 Resp: 68685

Ion Ratio Lower Upper

156 100

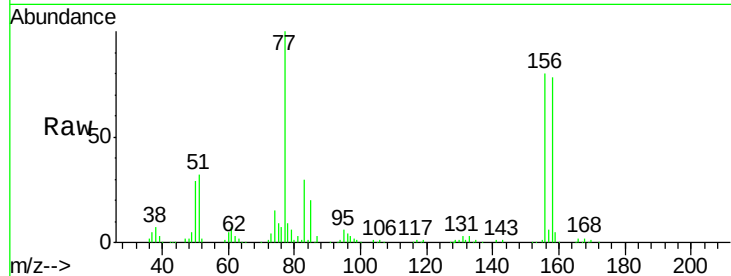
77 135.0 67.8 203.2

158 98.8 48.9 146.7

Manual Integrations
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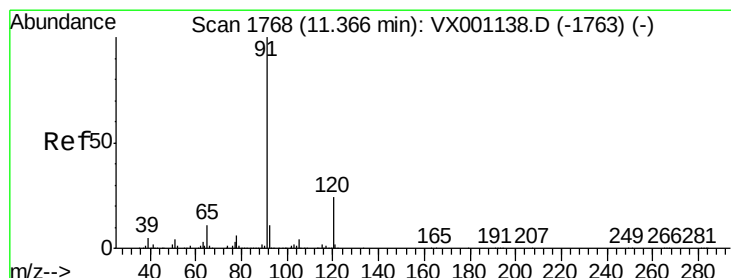
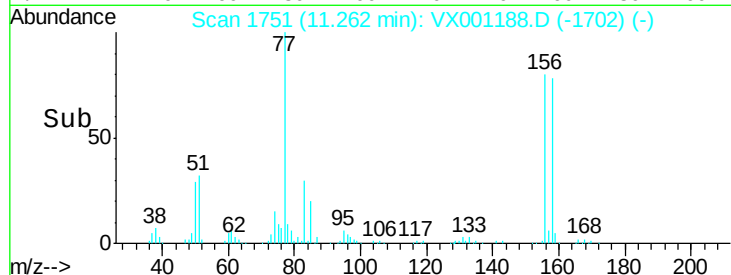
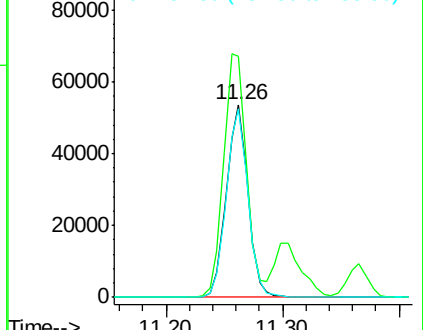
4/30/2018 6:04:41 PM



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: 20.35 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX001188.D

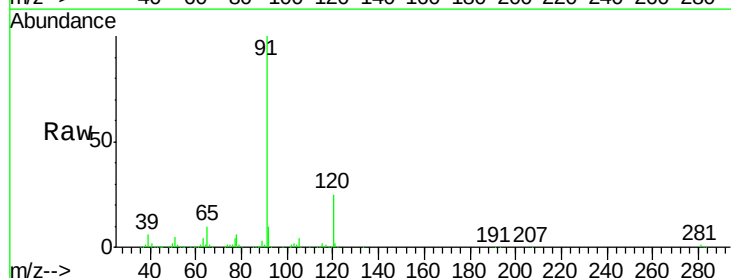
Acq: 27 Apr 2018 23:43

Tgt Ion: 91 Resp: 266151

Ion Ratio Lower Upper

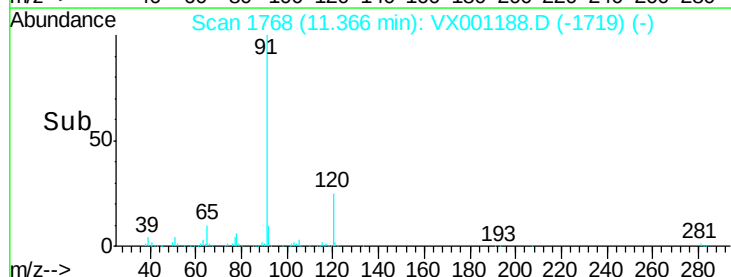
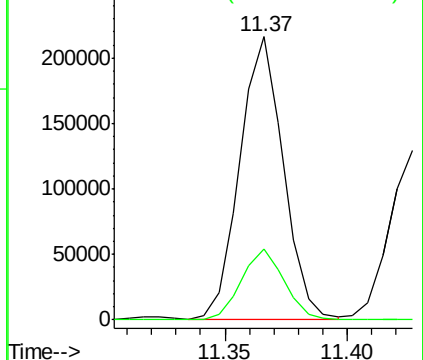
91 100

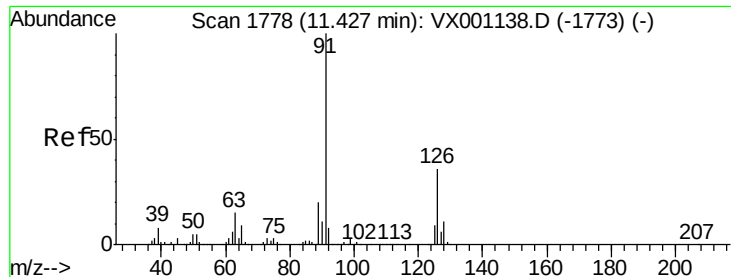
120 24.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.87 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 91 Resp: 161104

Ion Ratio Lower Upper

91 100

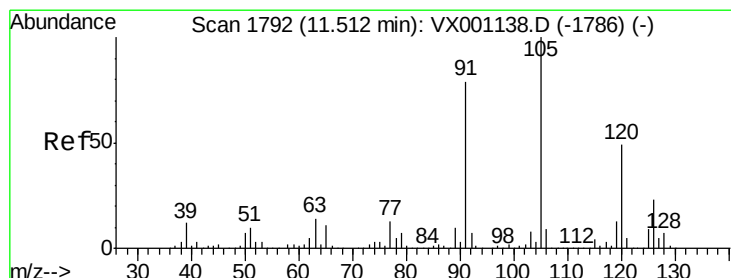
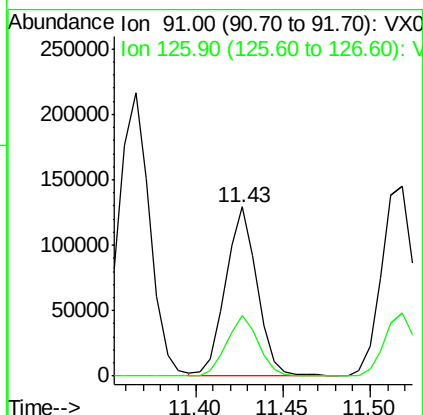
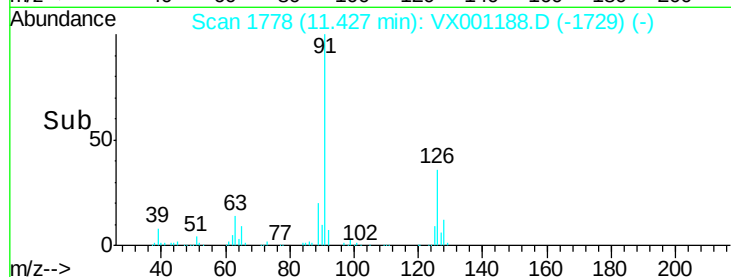
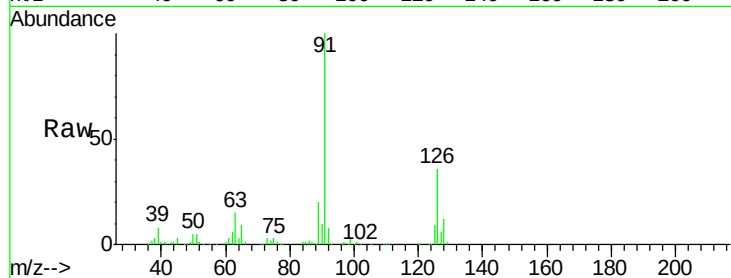
126 36.1 18.2 54.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.01 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001188.D

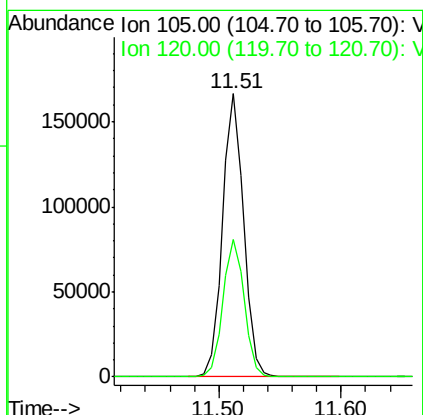
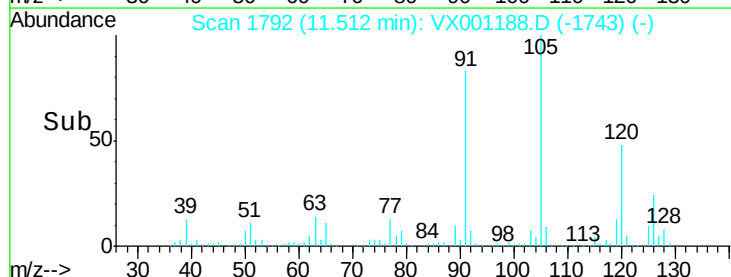
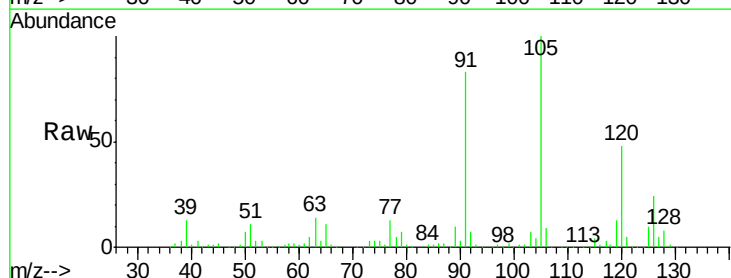
Acq: 27 Apr 2018 23:43

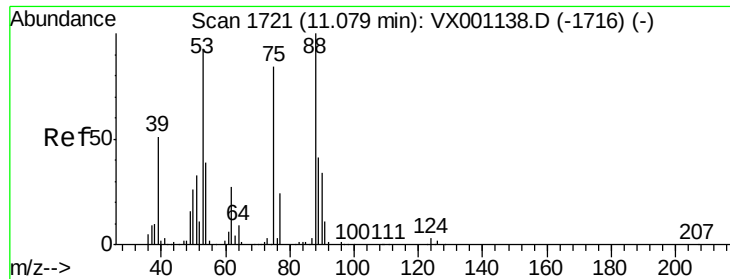
Tgt Ion: 105 Resp: 198731

Ion Ratio Lower Upper

105 100

120 49.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.69 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion: 75 Resp: 13538

Ion Ratio Lower Upper

75 100

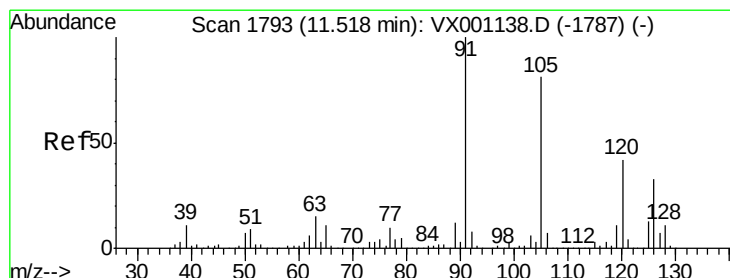
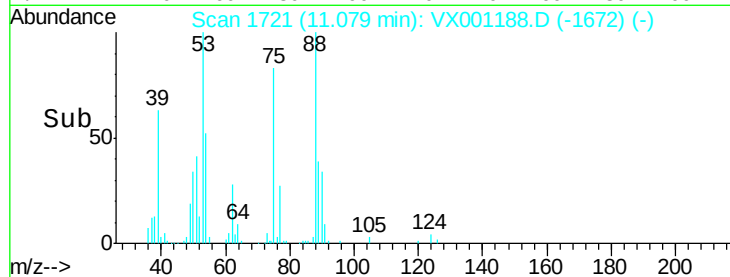
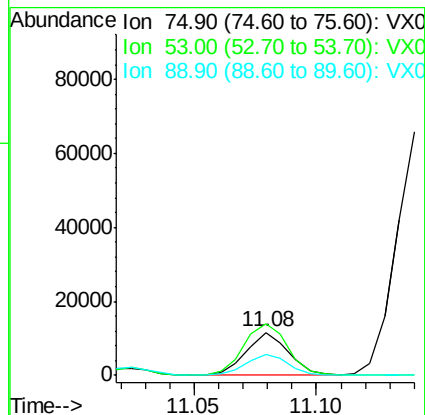
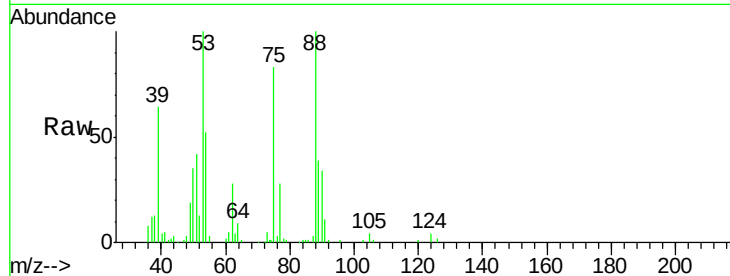
53 129.2 87.9 131.9

89 50.7 37.7 56.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.68 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX001188.D

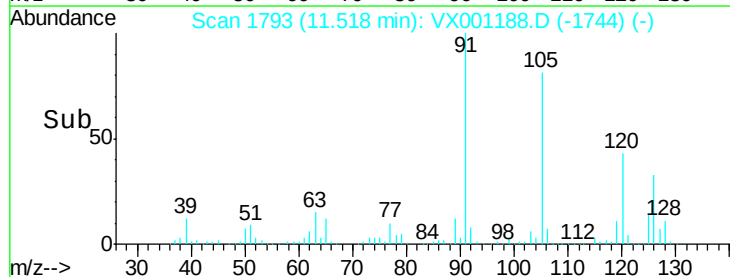
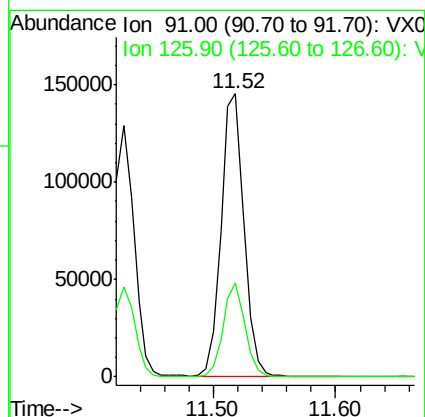
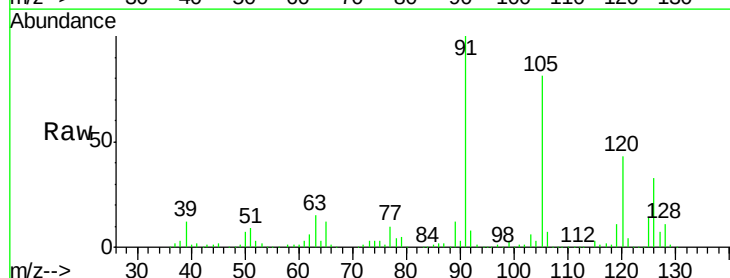
Acq: 27 Apr 2018 23:43

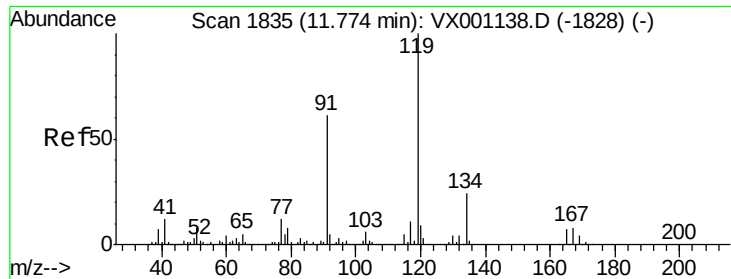
Tgt Ion: 91 Resp: 189618

Ion Ratio Lower Upper

91 100

126 31.5 15.8 47.4





#83

tert-Butylbenzene

Concen: 19.38 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

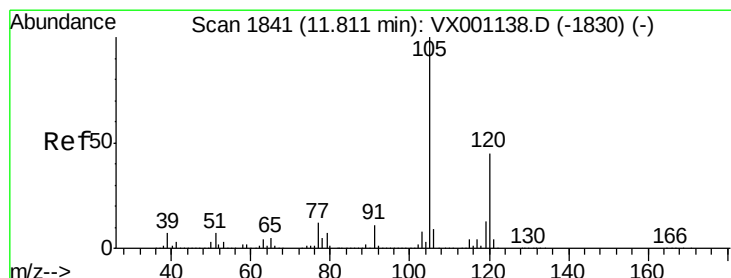
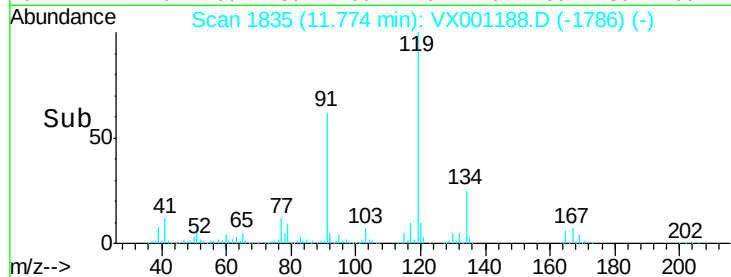
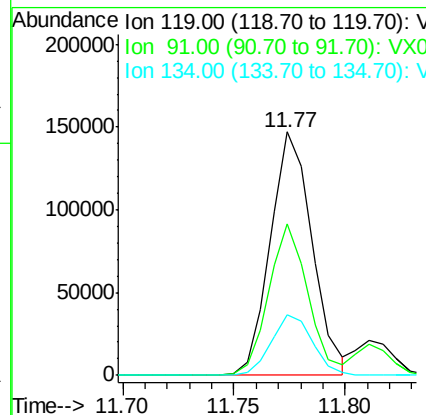
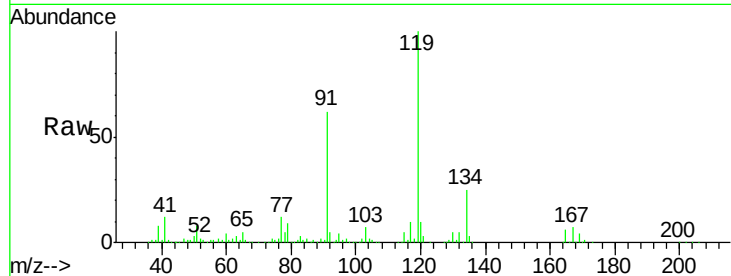
ClientSampleId :

VX0427WBS02

Tot Ion:	119	Resp:	192027
Ion Ratio	Lower	Upper	
119	100		
91	58.7	27.6	82.8
134	24.8	11.5	34.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.03 ug/l

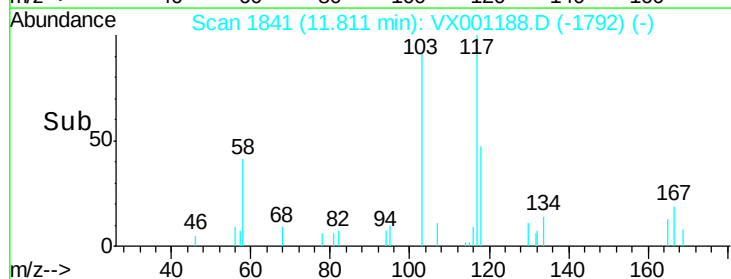
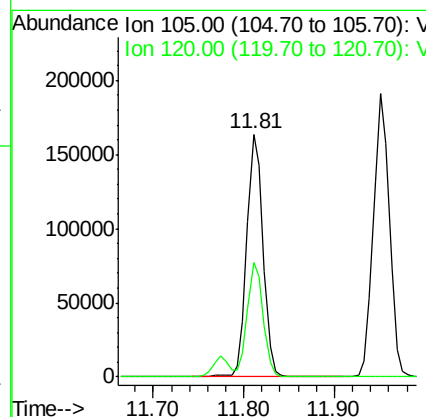
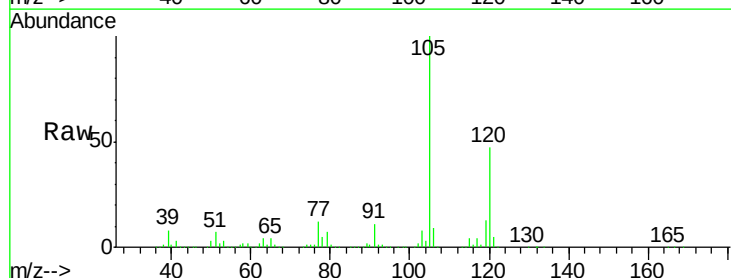
RT: 11.81 min Scan# 1841

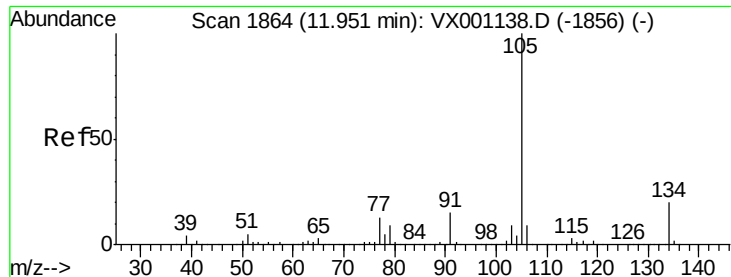
Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Tgt Ion:	105	Resp:	204465
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.4	67.3





#85

sec-Butylbenzene

Concen: 20.30 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

ClientSampleId :

VX0427WBS02

Tot Ion:105 Resp: 235045

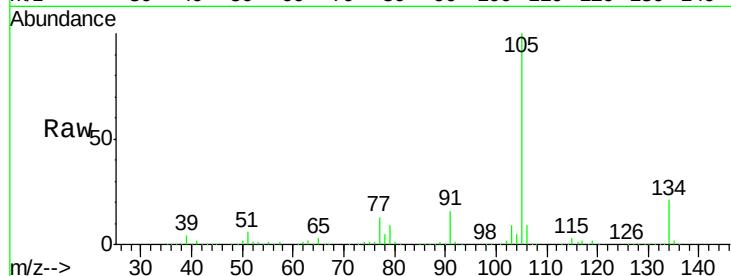
Ion Ratio Lower Upper

105 100

134 21.3 10.5 31.5

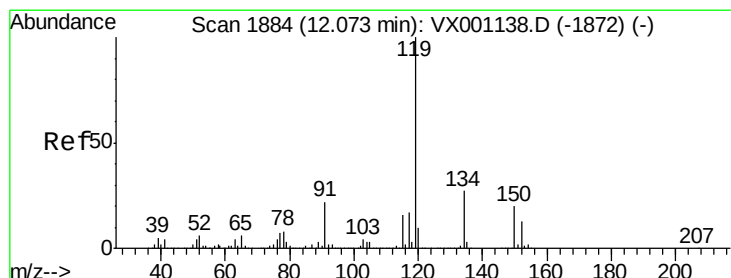
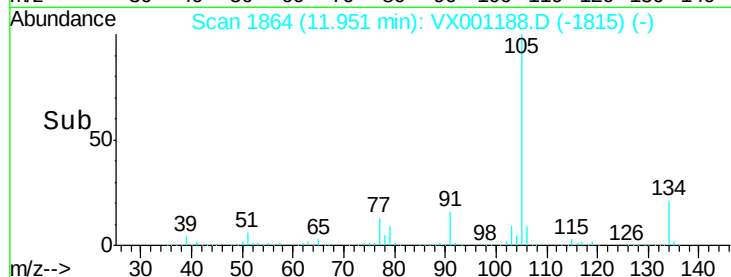
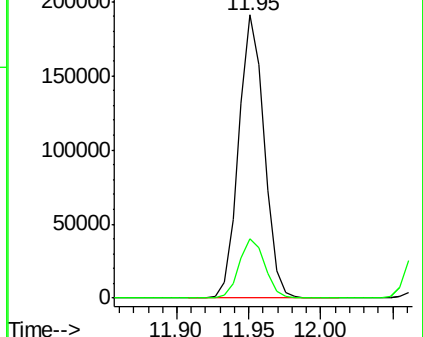
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.00 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

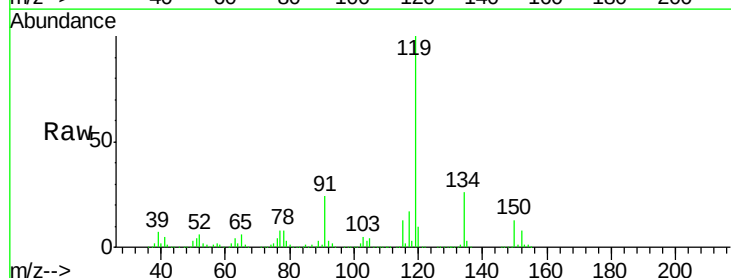
Tgt Ion:119 Resp: 215324

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

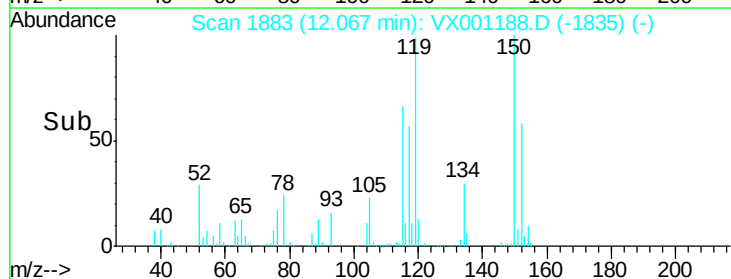
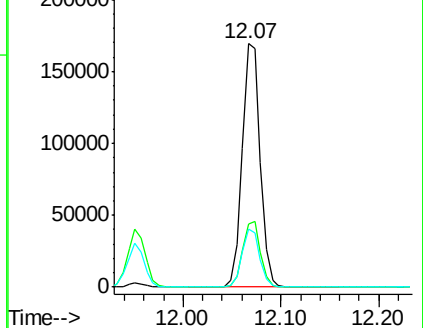
91 23.6 11.6 34.8

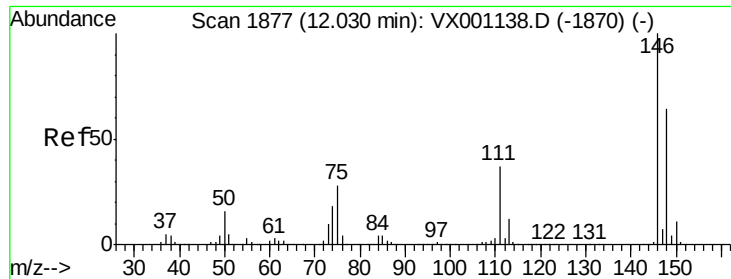


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





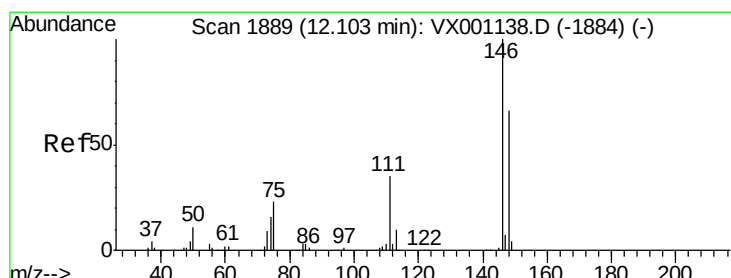
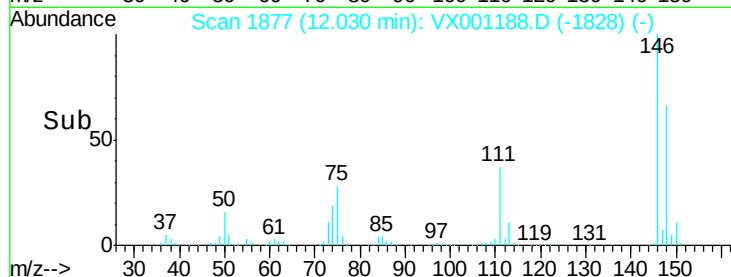
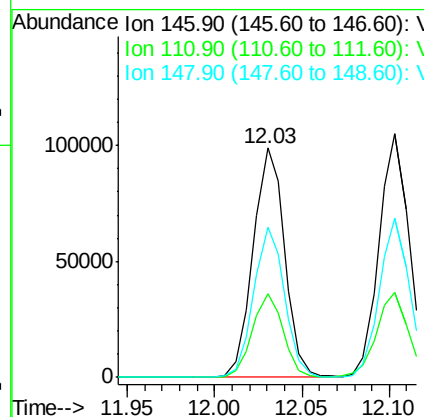
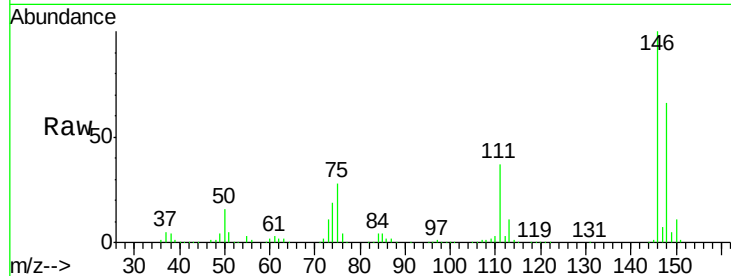
#87
 1,3-Dichlorobenzene
 Concen: 19.95 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.6	56.0
148	64.2	32.3	96.8

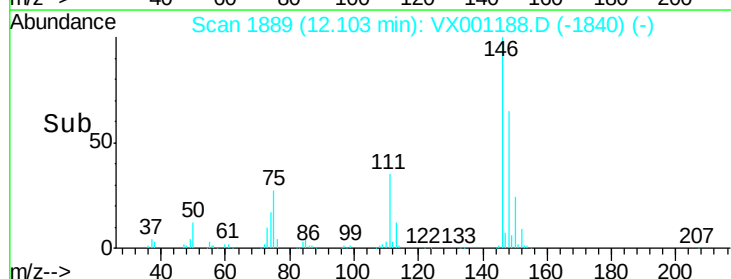
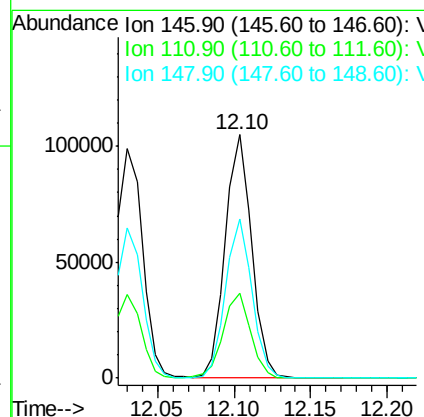
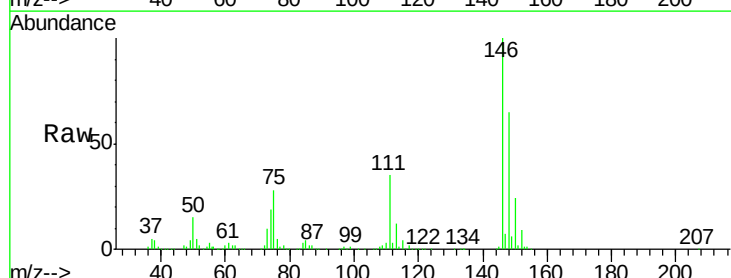
Manual Integrations
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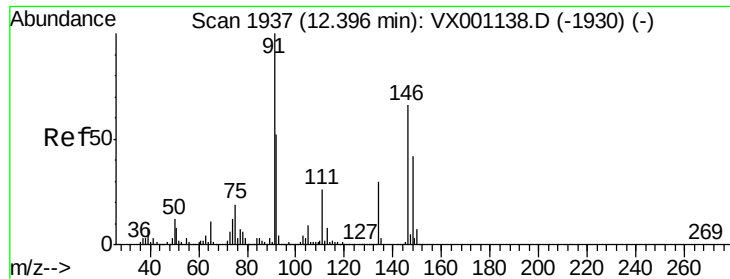
MMDadoda
 4/30/2018 6:04:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.0	54.0
148	65.1	32.5	97.5





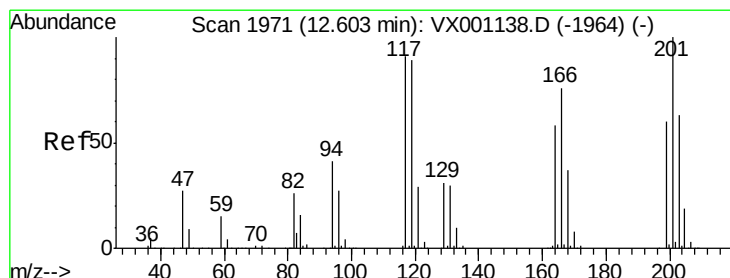
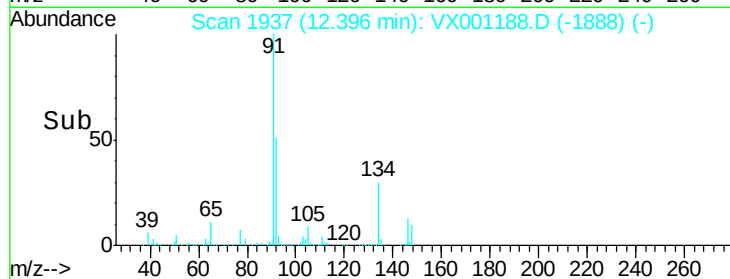
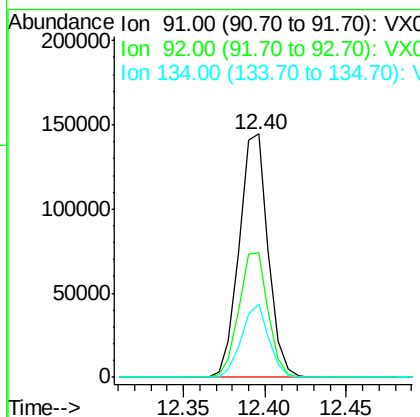
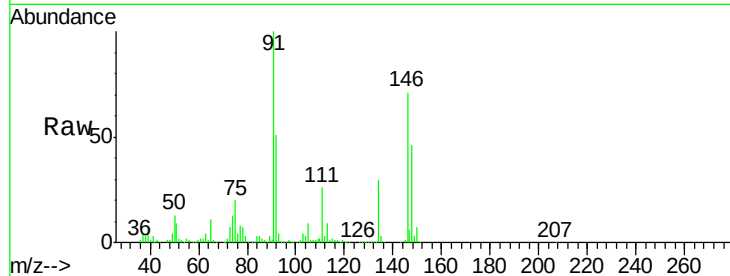
#89
n-Butylbenzene
Concen: 19.14 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Instrument :
MSVOA_X
ClientSampleId :
VX0427WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.2	78.6
134	28.2	14.1	42.3

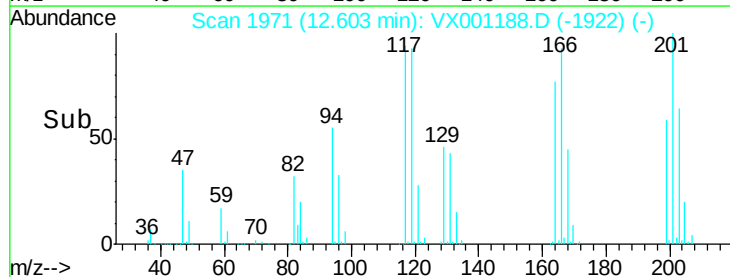
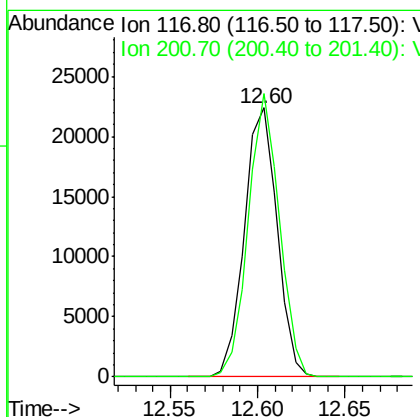
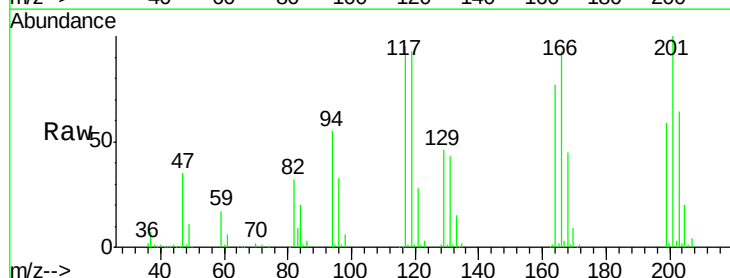
Manual Integrations
APPROVED

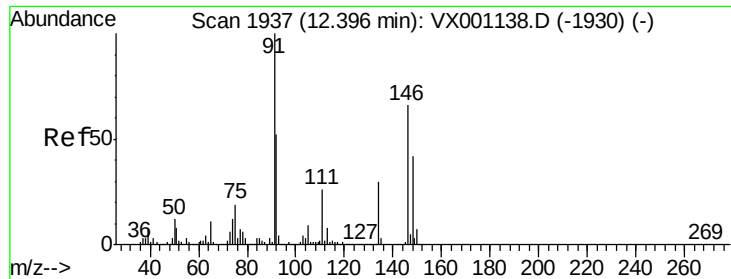
MMDadoda
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#90
Hexachloroethane
Concen: 19.03 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001188.D
Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.7	51.8	155.4





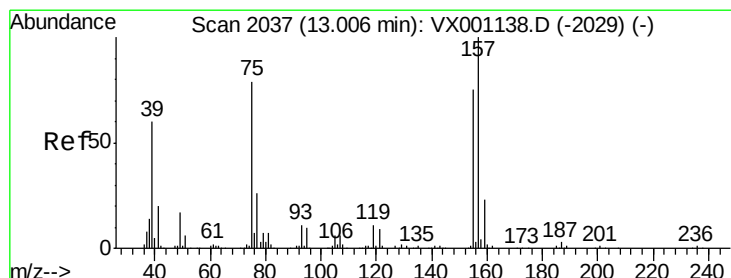
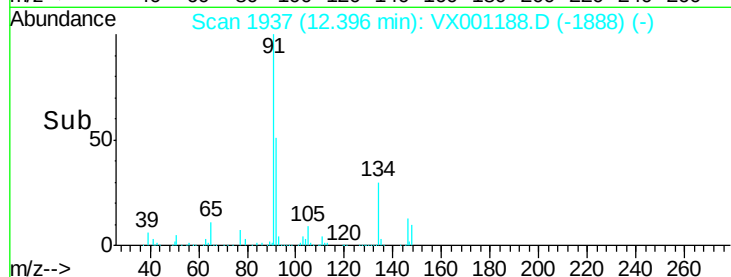
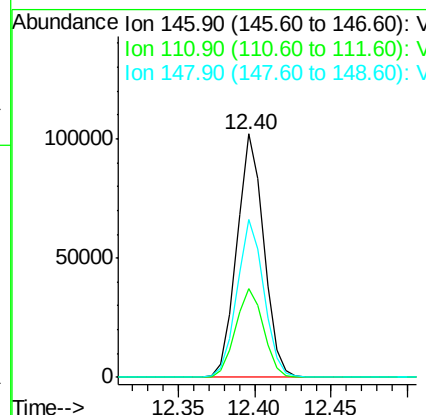
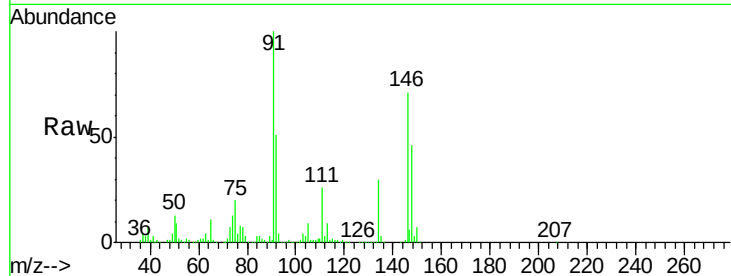
#91
 1,2-Dichlorobenzene
 Concen: 19.73 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	64.7	32.2	96.6

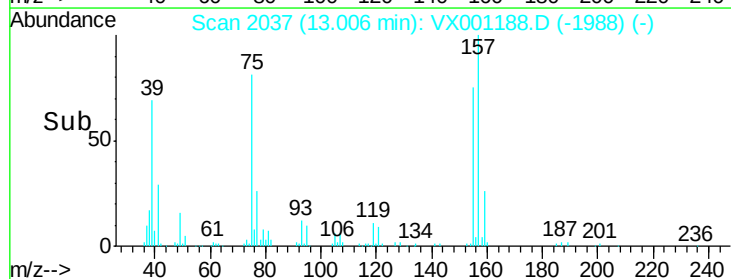
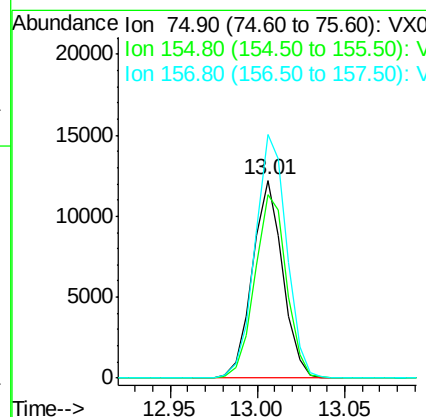
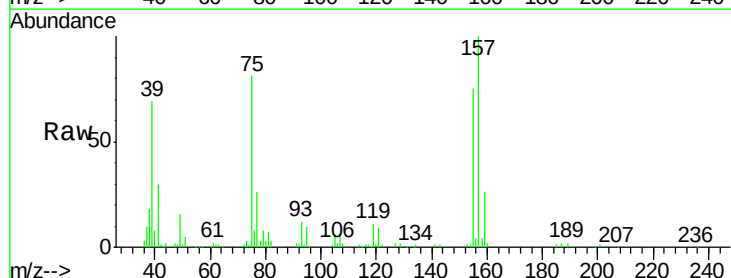
Manual Integrations
 APPROVED

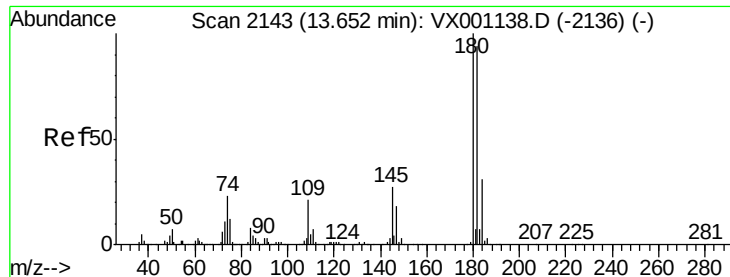
MMDadoda
 4/30/2018 6:04:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.07 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	48.4	145.3
157	128.5	62.7	188.1





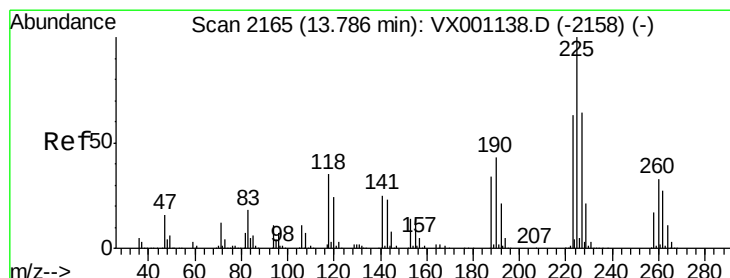
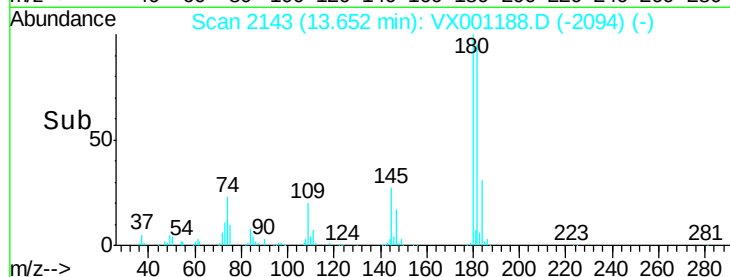
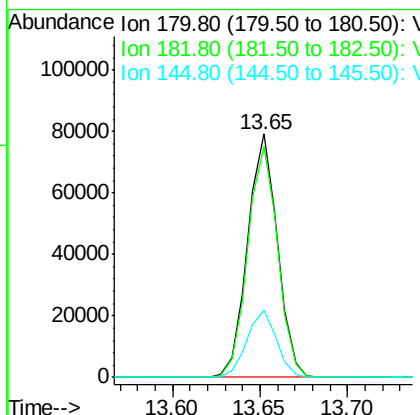
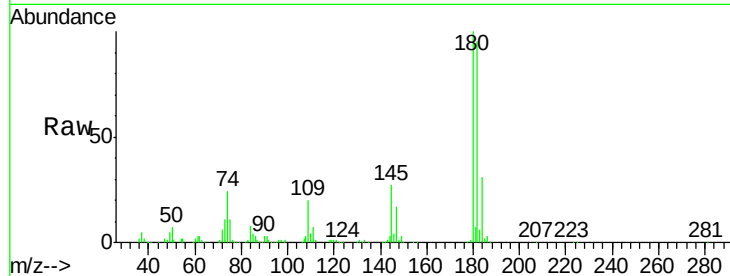
#93
 1,2,4-Trichlorobenzene
 Concen: 18.87 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0427WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	93346		
182	95.7	47.9	143.6	
145	27.4	13.8	41.4	

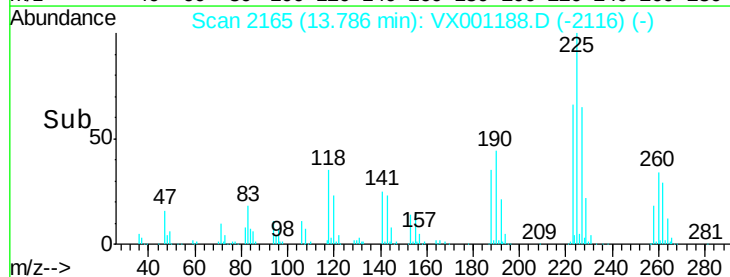
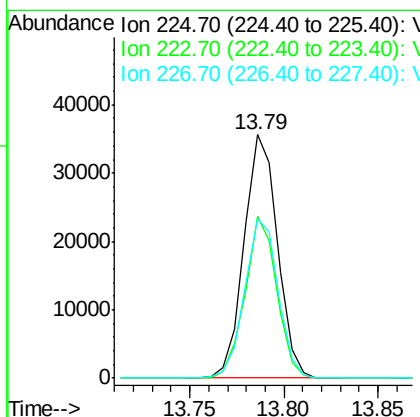
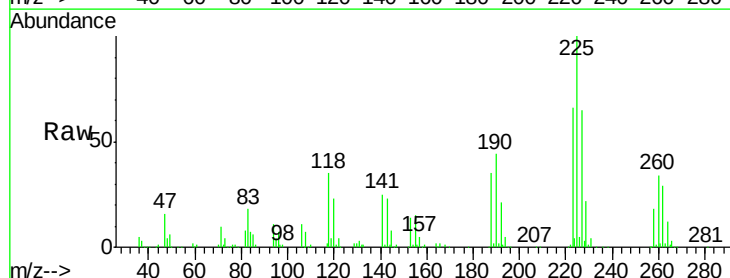
Manual Integrations
 APPROVED

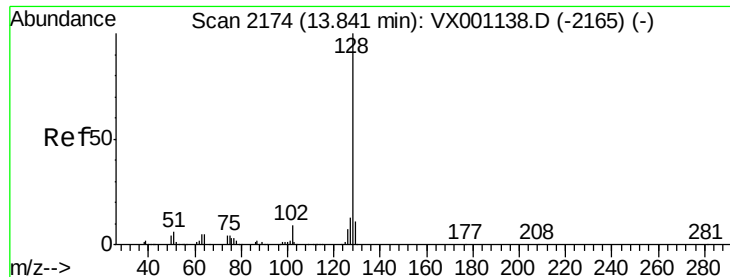
MMDadoda
 4/30/2018 6:04:41 PM



#94
 Hexachlorobutadiene
 Concen: 18.82 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX001188.D
 Acq: 27 Apr 2018 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43756		
223	62.7	31.3	93.9	
227	65.5	32.2	96.6	





#95

Naphthalene

Concen: 18.61 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Instrument :

MSVOA_X

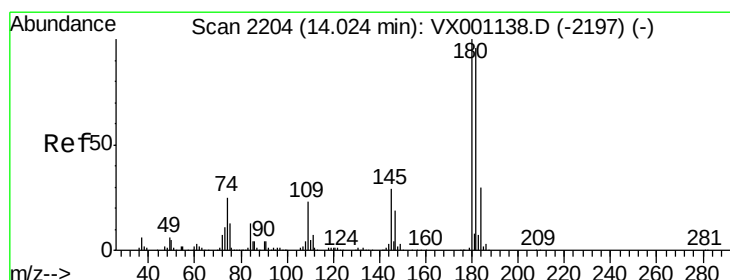
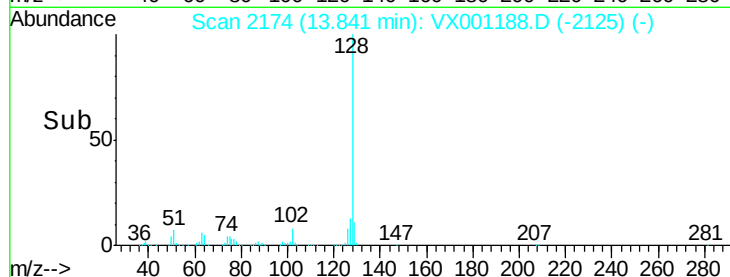
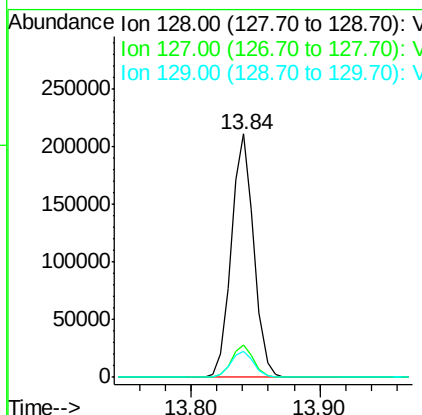
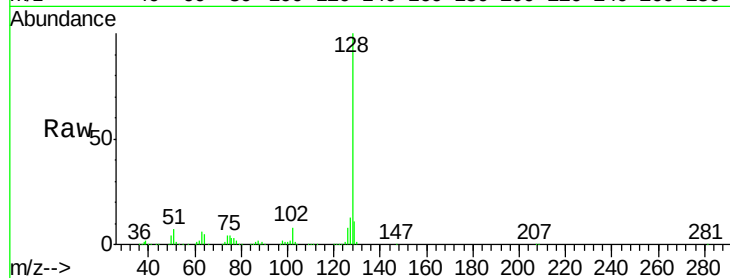
ClientSampleId :

VX0427WBS02

Tot Ion:	128	Resp:	256470
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:04:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.22 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001188.D

Acq: 27 Apr 2018 23:43

Tgt Ion:	180	Resp:	94606
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.2	144.6
145	28.4	14.5	43.5

