

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042718\
 Data File : VX001186.D
 Acq On : 27 Apr 2018 22:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/30/2018 6:04:39 PM

Quant Time: Apr 28 04:10:58 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	198776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	271261	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	260841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182580	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	141714	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
35) Dibromofluoromethane	5.51	113	113587	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	8.72	98	423199	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.14	95	166298	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	97012	46.54	ug/l	96
3) Chloromethane	1.32	50	97721	44.76	ug/l	100
4) Vinyl Chloride	1.40	62	109909	47.45	ug/l	99
5) Bromomethane	1.64	94	84351	59.99	ug/l	99
6) Chloroethane	1.72	64	71017	48.71	ug/l	100
7) Trichlorofluoromethane	1.93	101	185927	49.70	ug/l	99
8) Diethyl Ether	2.19	74	69255	48.15	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	100305	48.67	ug/l	99
10) Methyl Iodide	2.51	142	88725	42.65	ug/l	100
11) Tert butyl alcohol	3.08	59	139772	230.03	ug/l	99
12) 1,1-Dichloroethene	2.37	96	96050	47.78	ug/l	97
13) Acrolein	2.30	56	40010	174.18	ug/l	99
14) Allyl chloride	2.73	41	181916	49.61	ug/l	98
15) Acrylonitrile	3.15	53	298238	229.85	ug/l	99
16) Acetone	2.45	43	278384	219.70	ug/l	100
17) Carbon Disulfide	2.57	76	239707	46.74	ug/l	99
18) Methyl Acetate	2.78	43	153752	48.49	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	362520	48.99	ug/l	98
20) Methylene Chloride	2.86	84	110973	47.02	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	106204	47.80	ug/l	97
22) Diisopropyl ether	3.88	45	356685	48.62	ug/l	96
23) Vinyl Acetate	3.83	43	1522224	244.56	ug/l	100
24) 1,1-Dichloroethane	3.70	63	184614	47.88	ug/l	99
25) 2-Butanone	4.71	43	420629	221.86	ug/l	98
26) 2,2-Dichloropropane	4.59	77	127376	41.97	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	117828	48.43	ug/l	99
28) Bromochloromethane	5.03	49	92795	53.67	ug/l	99
29) Tetrahydrofuran	5.17	42	272615	223.64	ug/l	99
30) Chloroform	5.23	83	203460	49.62	ug/l	97
31) Cyclohexane	5.58	56	154401	47.13	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	176181	49.77	ug/l	99
36) 1,1-Dichloropropene	5.81	75	144419	48.31	ug/l	99
37) Ethyl Acetate	4.87	43	164472	45.95	ug/l	99
38) Carbon Tetrachloride	5.79	117	153967	50.23	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	158868	48.02	ug/l	96
40) Benzene	6.15	78	440087	50.89	ug/l	100
41) Methacrylonitrile	5.07	41	94967	47.21	ug/l	100
42) 1,2-Dichloroethane	6.21	62	177331	50.89	ug/l	100
43) Isopropyl Acetate	6.48	43	268889	47.83	ug/l	99
44) Trichloroethene	7.22	130	129190	50.15	ug/l	96
45) 1,2-Dichloropropane	7.52	63	111998	49.24	ug/l	99
46) Dibromomethane	7.67	93	81442	51.71	ug/l	100
47) Bromodichloromethane	7.91	83	149982	52.41	ug/l	99
48) Methyl methacrylate	7.79	41	144790	48.45	ug/l	100
49) 1,4-Dioxane	7.76	88	58294	974.36	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	907019	245.61	ug/l	98
52) Toluene	8.79	92	288305	50.98	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	172773	51.94	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	162204	45.24	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	121652	50.85	ug/l	98
56) Ethyl methacrylate	9.19	69	179533	50.65	ug/l	99
57) 1,3-Dichloropropane	9.38	76	197379	51.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	420756	251.09	ug/l	99
59) 2-Hexanone	9.51	43	696830	240.83	ug/l	99
60) Dibromochloromethane	9.59	129	131098	47.12	ug/l	100
61) 1,2-Dibromoethane	9.68	107	131457	52.45	ug/l	100
64) Tetrachloroethene	9.34	164	141356	50.77	ug/l	98
65) Chlorobenzene	10.15	112	343004	50.19	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	126771	53.62	ug/l	100
67) Ethyl Benzene	10.26	91	561862	50.60	ug/l	100
68) m/p-Xylenes	10.37	106	448431	102.16	ug/l	100
69) o-Xylene	10.71	106	217226	51.02	ug/l	99
70) Styrene	10.72	104	368773	52.04	ug/l	100
71) Bromoform	10.87	173	106955	43.70	ug/l	99
73) Isopropylbenzene	11.02	105	575268	48.34	ug/l	99
74) N-amyl acetate	6.48	43	268889	44.84	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	186959	47.35	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	175767m	47.28	ug/l	
77) Bromobenzene	11.26	156	171342	48.55	ug/l	100
78) n-propylbenzene	11.37	91	656184	49.45	ug/l	100
79) 2-Chlorotoluene	11.43	91	396061	48.15	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	504360	50.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	43928	38.85	ug/l	98
82) 4-Chlorotoluene	11.52	91	479460	49.04	ug/l	99
83) tert-Butylbenzene	11.77	119	498180	49.55	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	519755	50.19	ug/l	99
85) sec-Butylbenzene	11.95	105	576079	49.05	ug/l	99
86) p-Isopropyltoluene	12.07	119	538578	49.29	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	311463	49.16	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	320086	48.49	ug/l	99
89) n-Butylbenzene	12.40	91	459407	48.58	ug/l	100
90) Hexachloroethane	12.60	117	77535	44.38	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	314644	49.14	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	41289	47.38	ug/l	98

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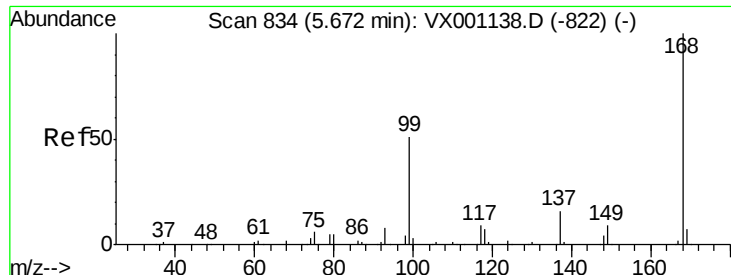
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	239082	47.63	ug/l	100
94) Hexachlorobutadiene	13.79	225	106326	45.06	ug/l	100
95) Naphthalene	13.84	128	673088	48.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	238198	47.68	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: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 198776

Ion Ratio Lower Upper

168 100

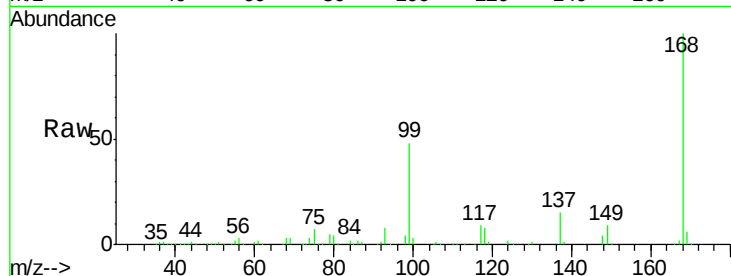
99 47.6 40.6 60.8

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

5.67

80000

60000

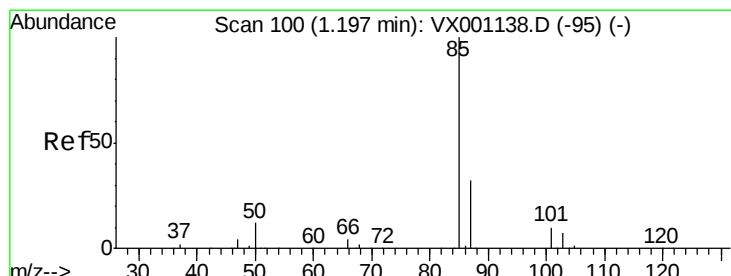
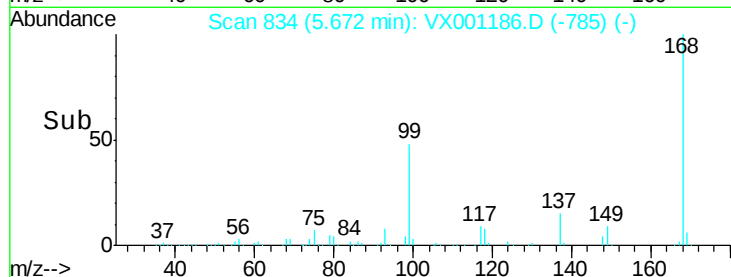
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.54 ug/l

RT: 1.20 min Scan# 100

Delta R.T. -0.00 min

Lab File: VX001186.D

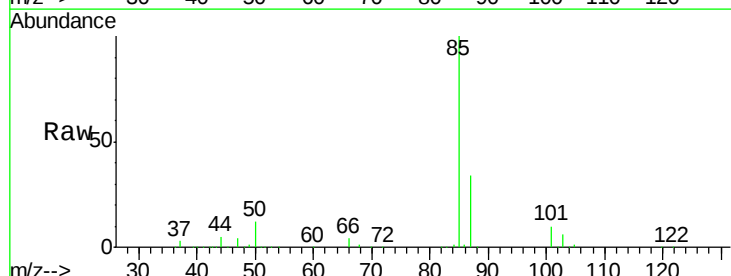
Acq: 27 Apr 2018 22:26

Tgt Ion: 85 Resp: 97012

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

60000

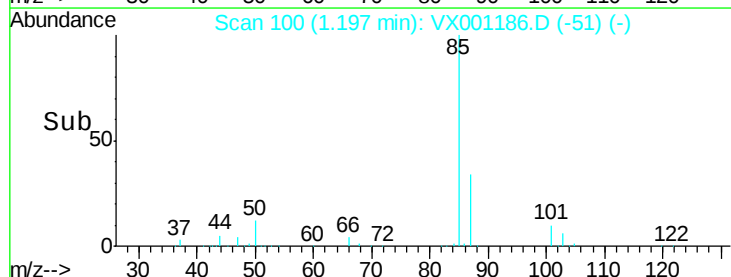
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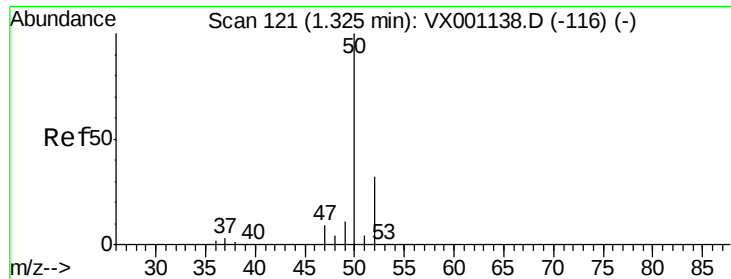
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 44.76 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 97721

Ion Ratio Lower Upper

50 100

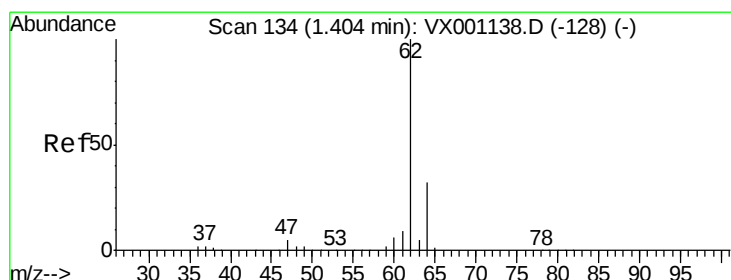
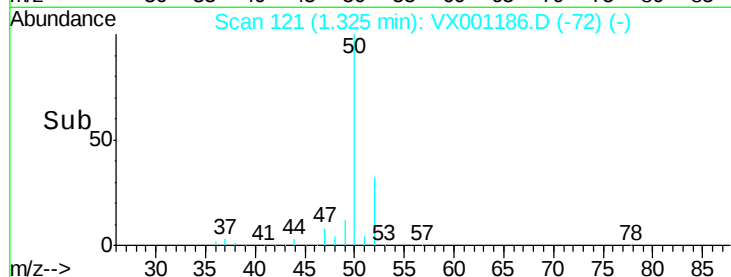
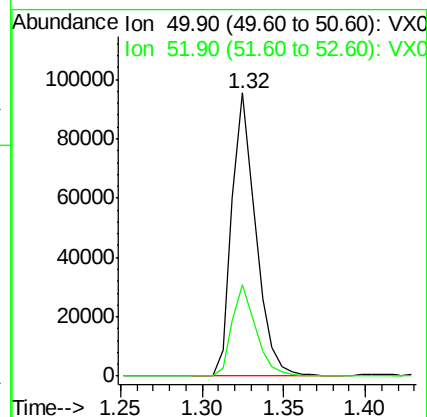
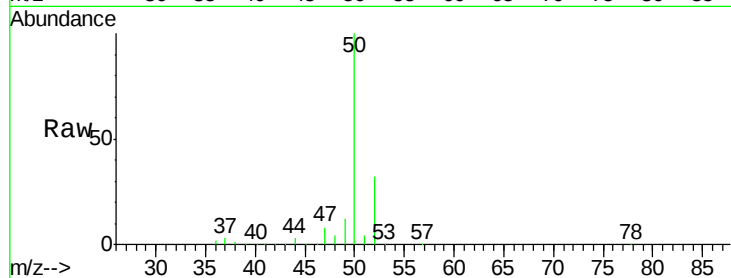
52 32.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.45 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001186.D

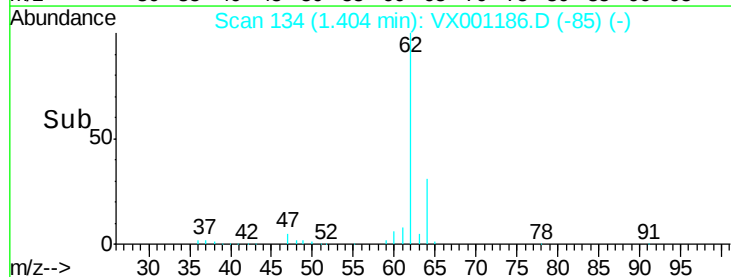
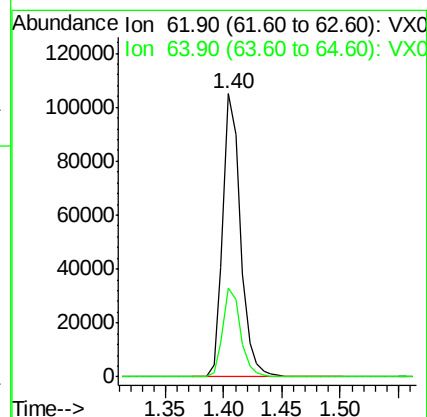
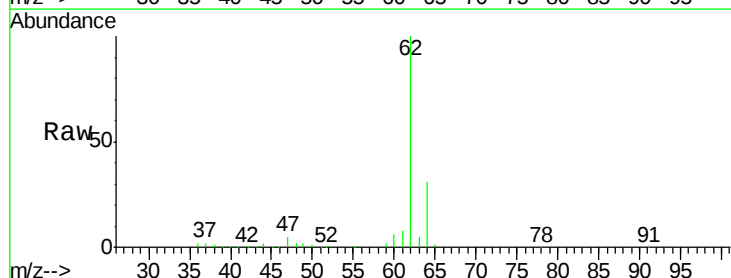
Acq: 27 Apr 2018 22:26

Tgt Ion: 62 Resp: 109909

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 59.99 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84351

Ion Ratio Lower Upper

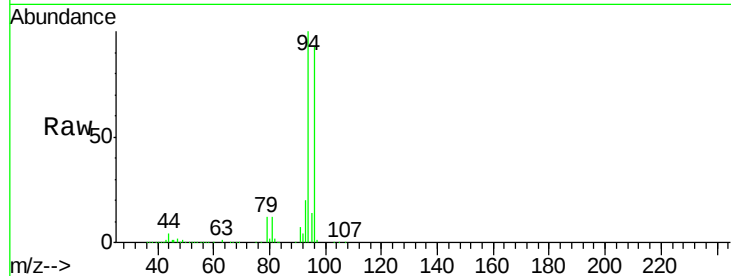
94 100

96 92.7 75.3 112.9

Manual Integrations
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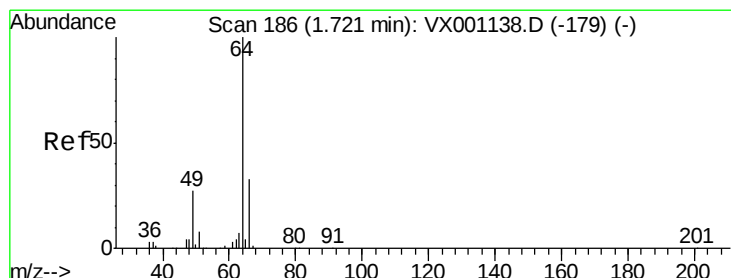
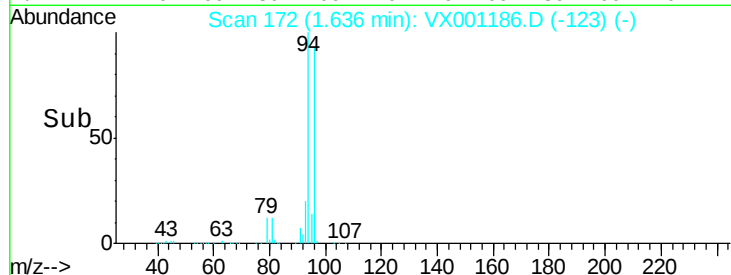
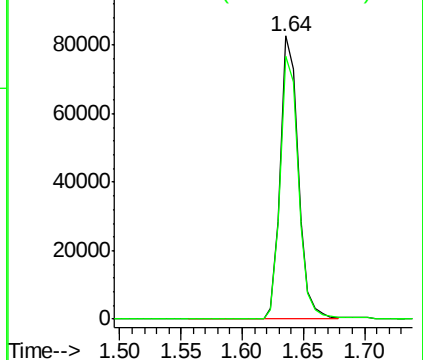
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 48.71 ug/l

RT: 1.72 min Scan# 186

Delta R.T. -0.00 min

Lab File: VX001186.D

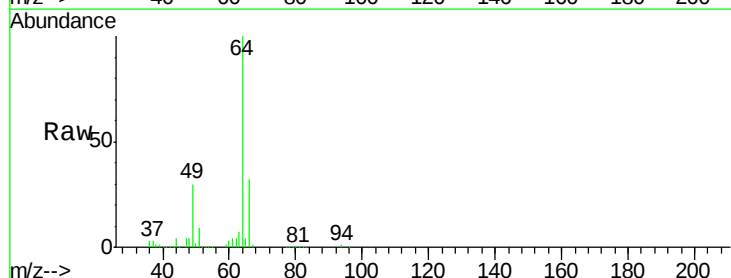
Acq: 27 Apr 2018 22:26

Tgt Ion: 64 Resp: 71017

Ion Ratio Lower Upper

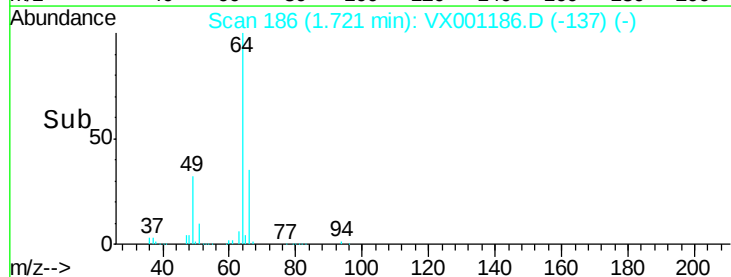
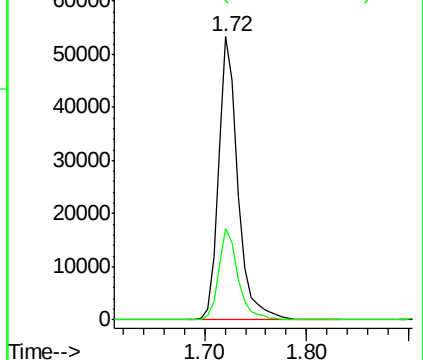
64 100

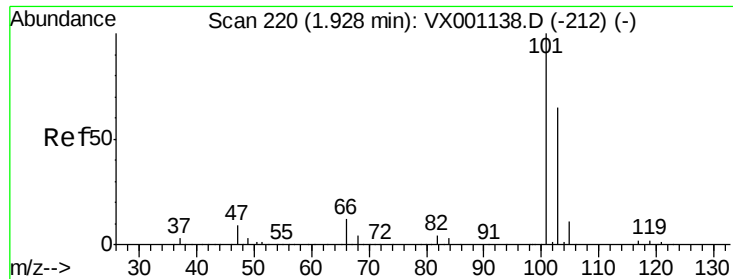
66 32.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 49.70 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX001186.D

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Instrument :

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VSTDCCC050

Tot Ion:101 Resp: 185927

Ion Ratio Lower Upper

101 100

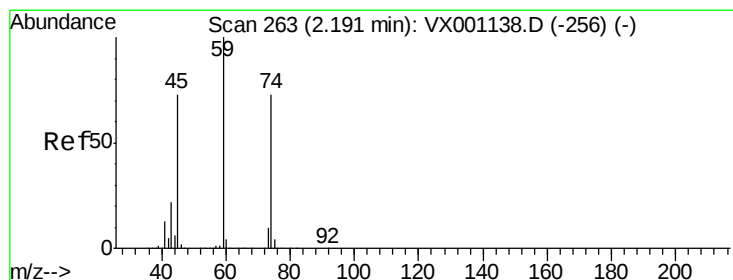
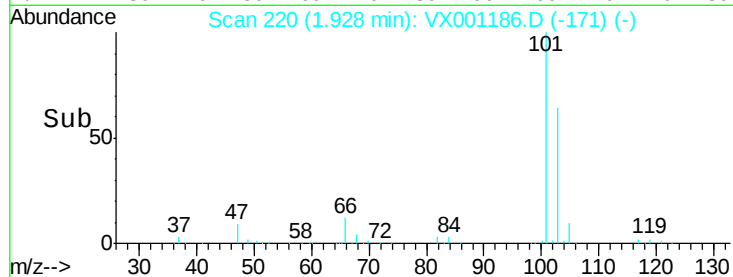
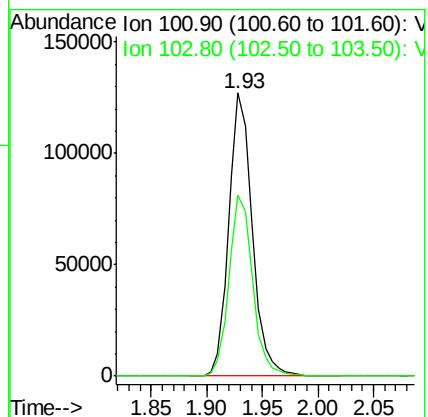
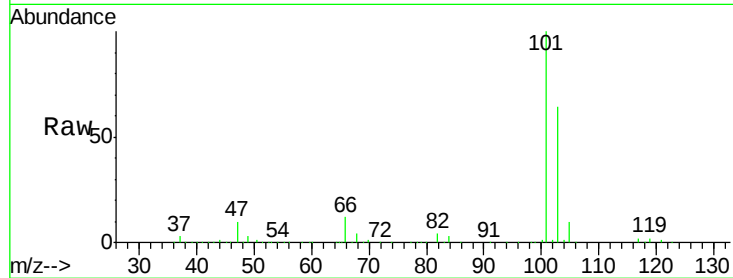
103 63.9 51.9 77.9

Manual Integrations

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#8

Diethyl Ether

Concen: 48.15 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001186.D

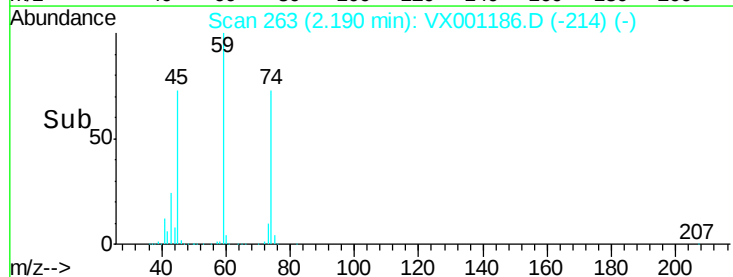
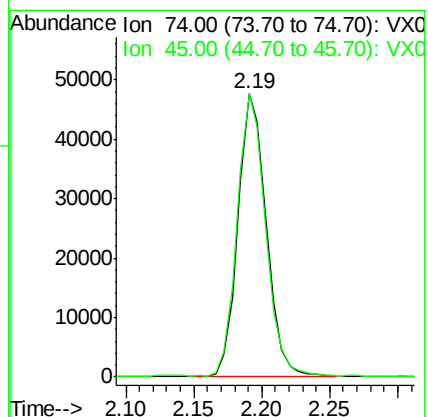
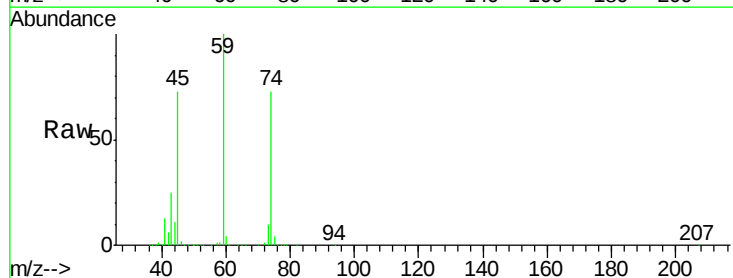
Acq: 27 Apr 2018 22:26

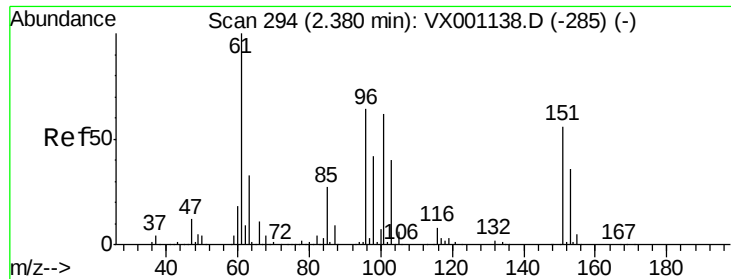
Tgt Ion: 74 Resp: 69255

Ion Ratio Lower Upper

74 100

45 99.8 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.67 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

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MSVOA_X

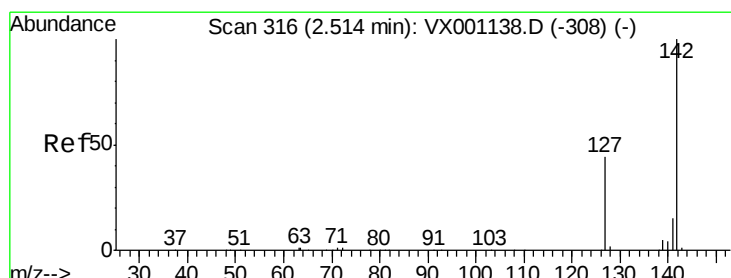
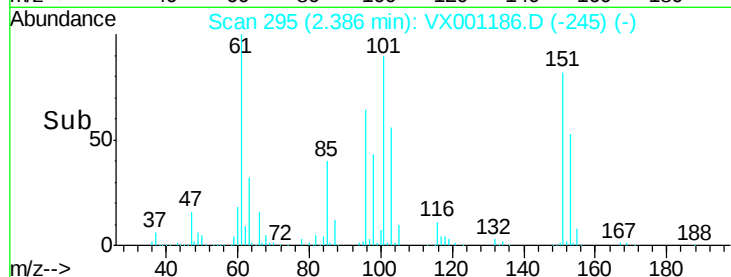
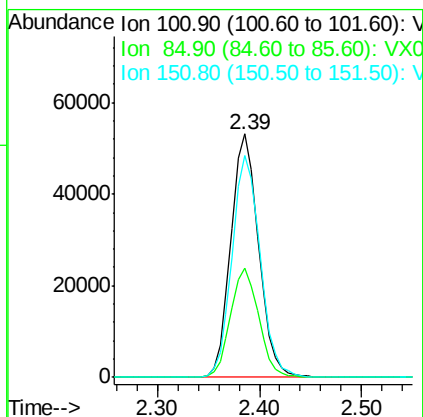
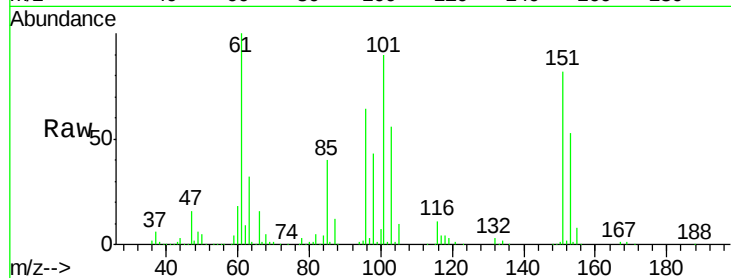
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	100305
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.4	53.0
151	92.0	74.2	111.4

Manual Integrations
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#10

Methyl Iodide

Concen: 42.65 ug/l

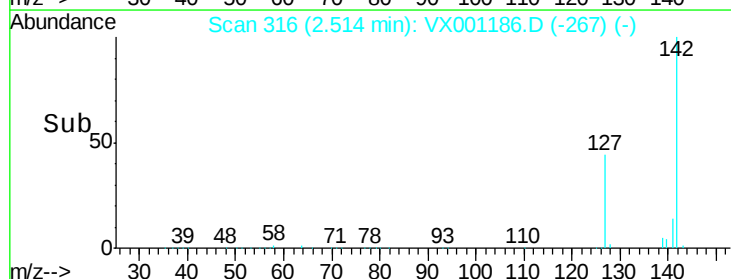
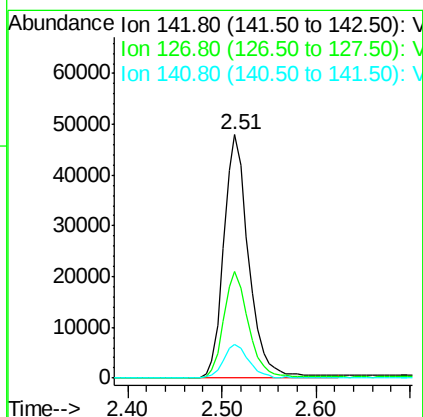
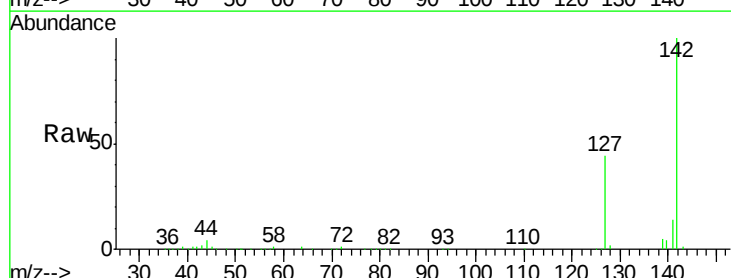
RT: 2.51 min Scan# 316

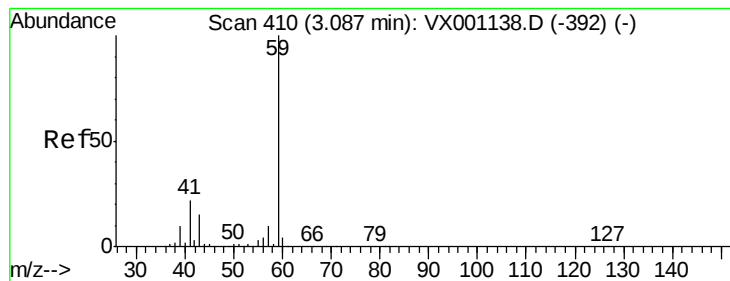
Delta R.T. 0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Tgt Ion:	142	Resp:	88725
Ion Ratio	Lower	Upper	
142	100		
127	43.4	34.7	52.1
141	14.1	11.6	17.4





#11

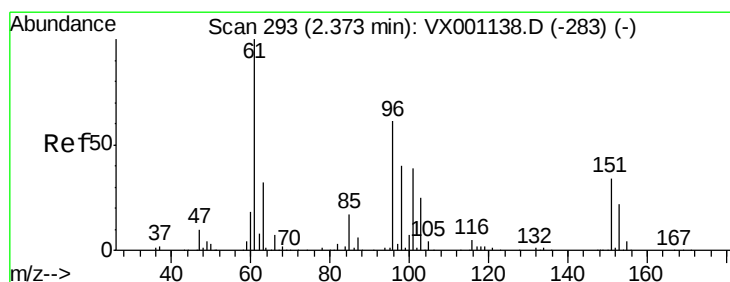
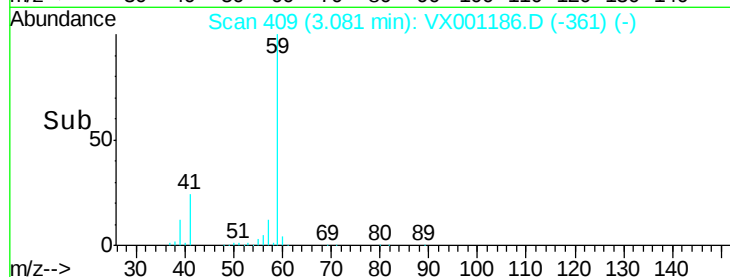
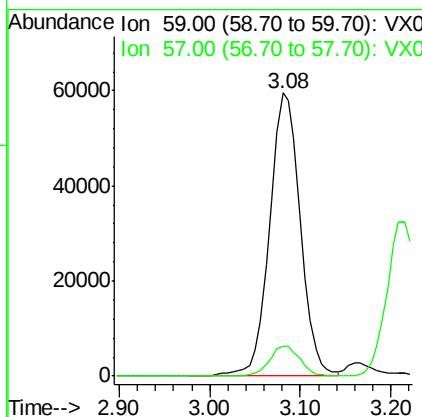
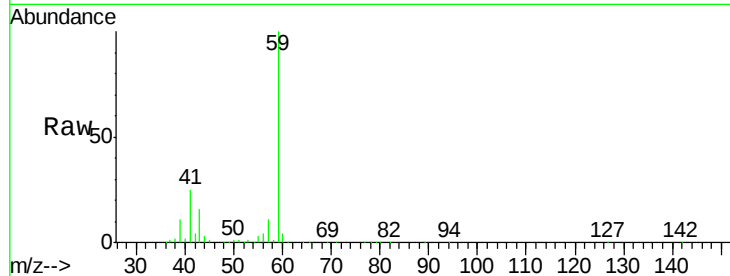
Tert butyl alcohol
 Concen: 230.03 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	139772
Ion Ratio	100	Lower	Upper
57	10.7	8.2	12.4

Manual Integrations
 APPROVED

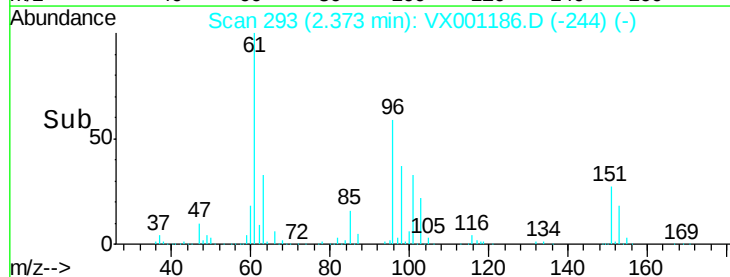
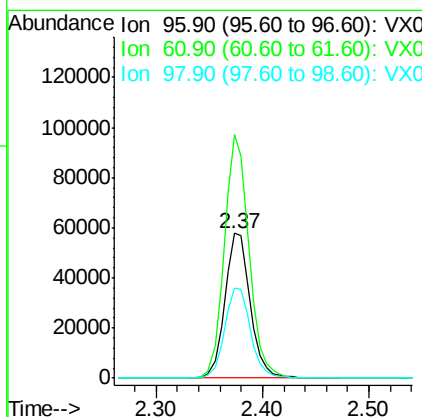
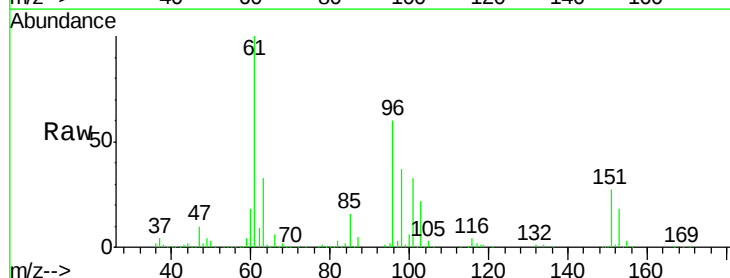
MMDadoda
 4/30/2018 6:04:39 PM

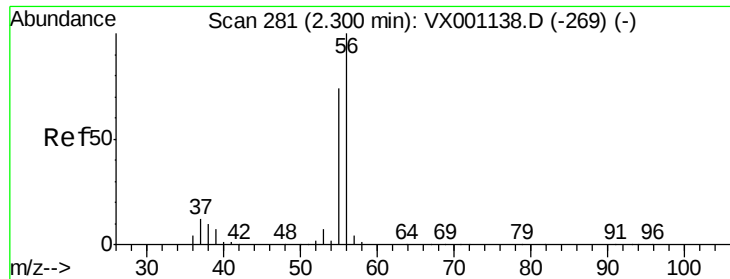


#12

1,1-Dichloroethene
 Concen: 47.78 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion	96	Resp	96050
Ion Ratio	100	Lower	Upper
61	168.0	130.2	195.4
98	62.5	51.5	77.3





#13

Acrolein

Concen: 174.18 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40010

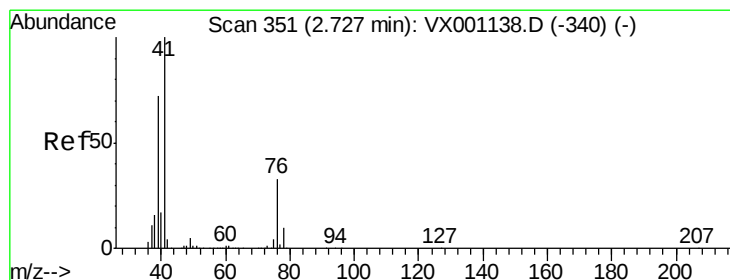
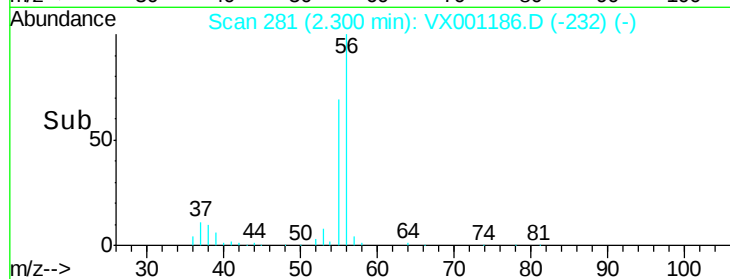
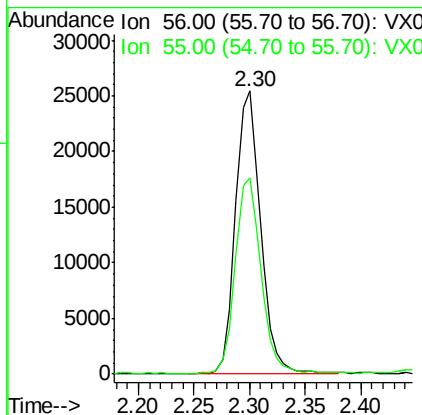
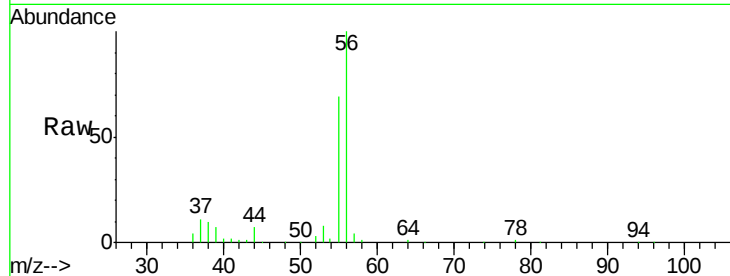
Ion Ratio Lower Upper

56 100

55 72.2 57.2 85.8

Manual Integrations
APPROVED

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4/30/2018 6:04:39 PM



#14

Allyl chloride

Concen: 49.61 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

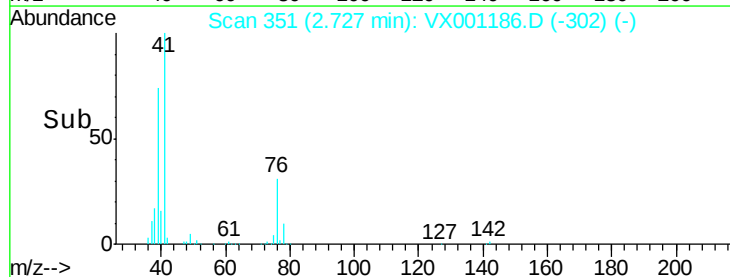
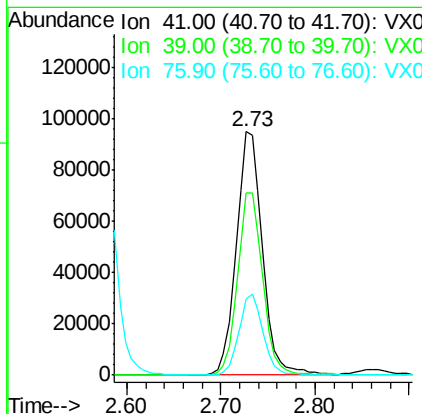
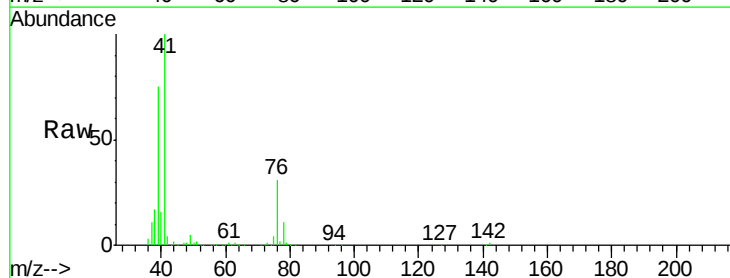
Tgt Ion: 41 Resp: 181916

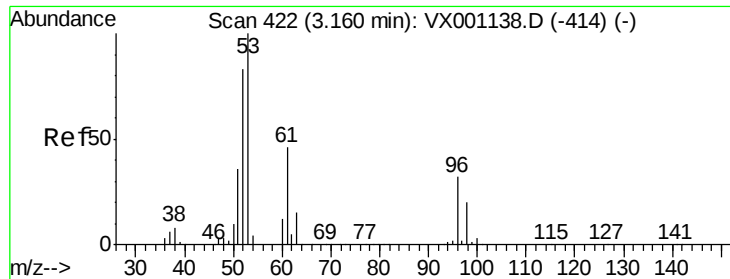
Ion Ratio Lower Upper

41 100

39 71.8 55.6 83.4

76 30.5 24.8 37.2





#15

Acrylonitrile

Concen: 229.85 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

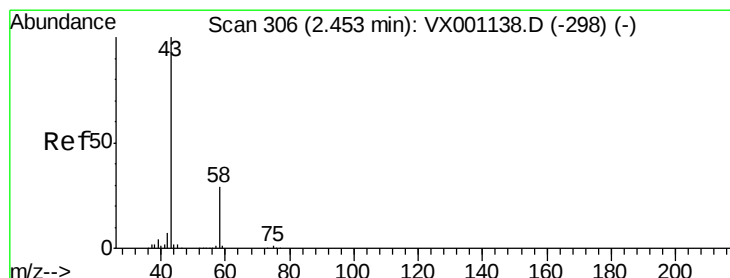
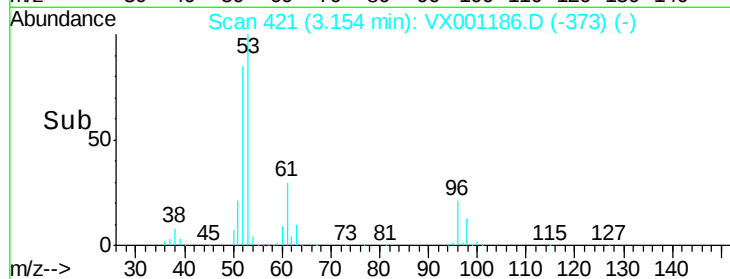
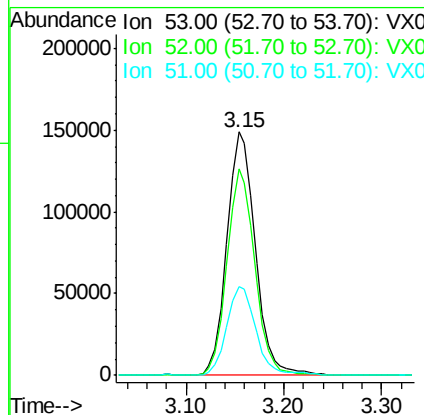
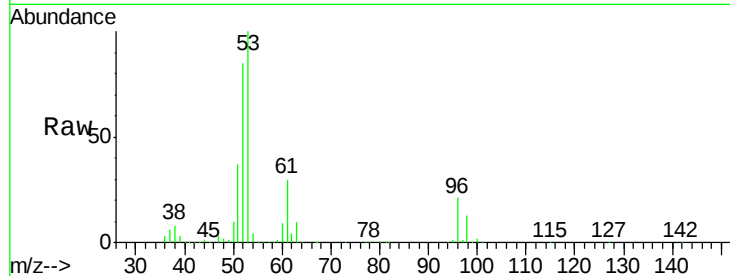
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	298238
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.5	99.7
51	37.7	29.5	44.3

Manual Integrations
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4/30/2018 6:04:39 PM



#16

Acetone

Concen: 219.70 ug/l

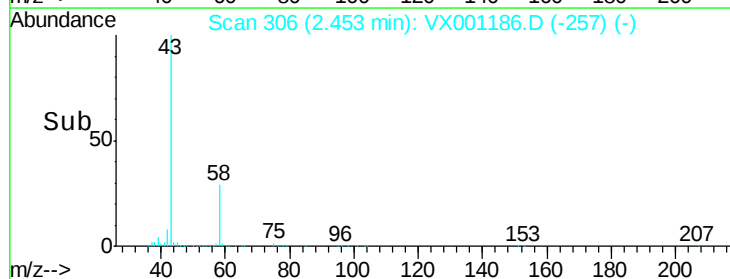
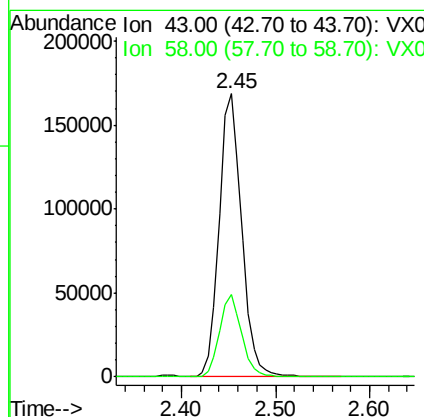
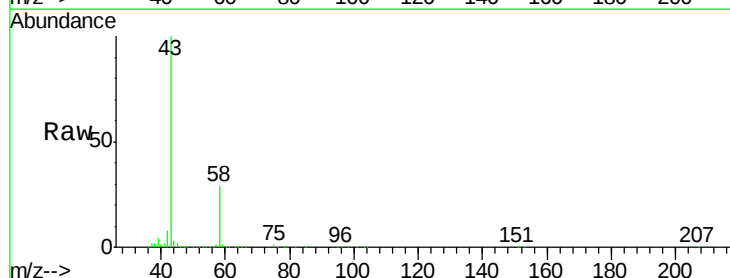
RT: 2.45 min Scan# 306

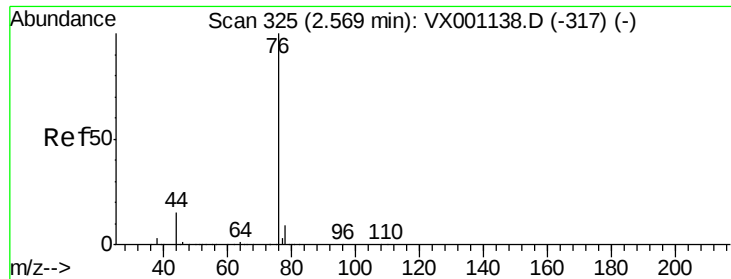
Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Tgt Ion:	43	Resp:	278384
Ion Ratio	Lower	Upper	
43	100		
58	29.0	23.0	34.6





#17

Carbon Disulfide

Concen: 46.74 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 239707

Ion Ratio Lower Upper

76 100

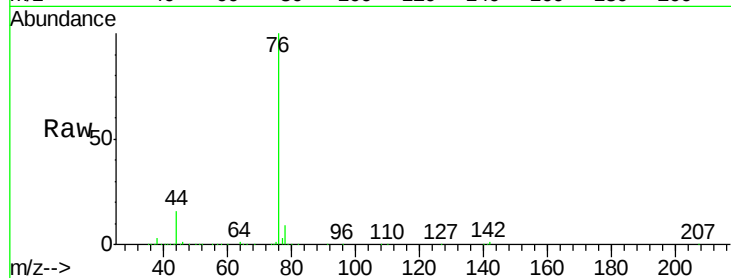
78 8.9 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

100000

50000

0

Time-->

2.50

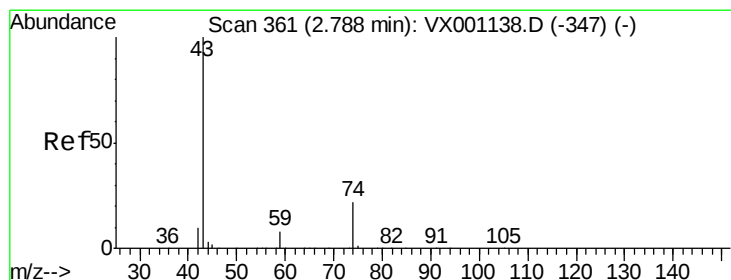
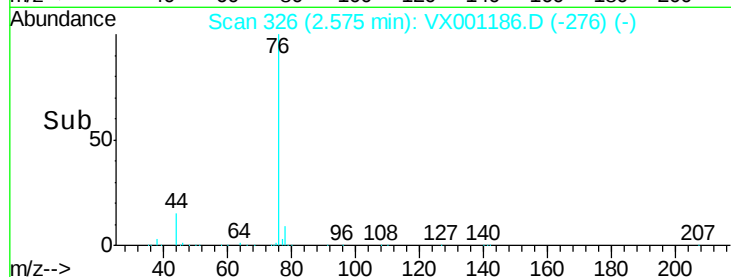
2.60

2.70

2.80

2.90

3.00



#18

Methyl Acetate

Concen: 48.49 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.01 min

Lab File: VX001186.D

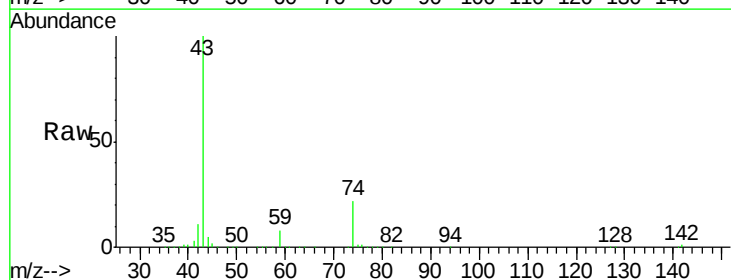
Acq: 27 Apr 2018 22:26

Tgt Ion: 43 Resp: 153752

Ion Ratio Lower Upper

43 100

74 21.5 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

80000

60000

40000

20000

0

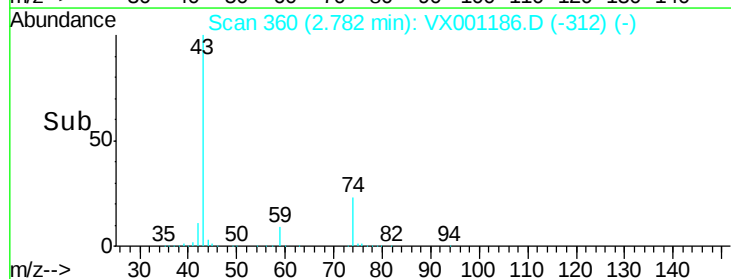
Time-->

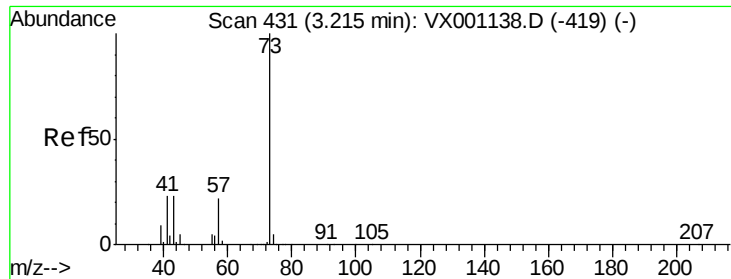
2.70

2.80

2.90

3.00





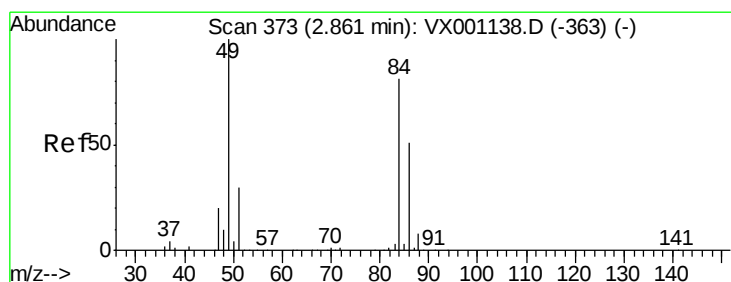
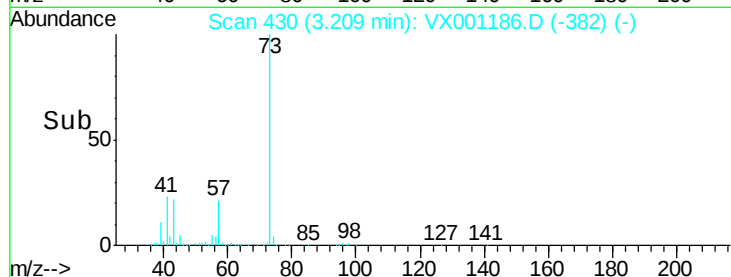
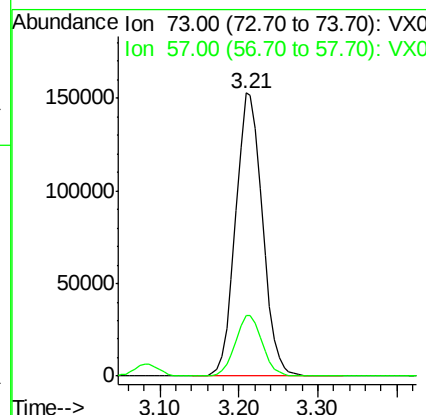
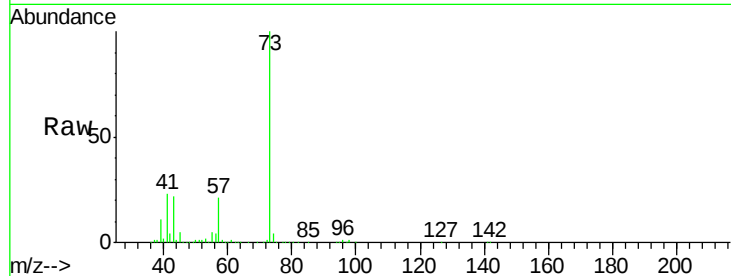
#19
Methvl tert-butvl Ether
Concen: 48.99 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.01 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.7	26.5

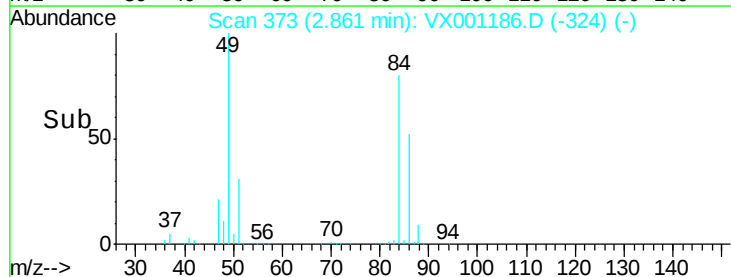
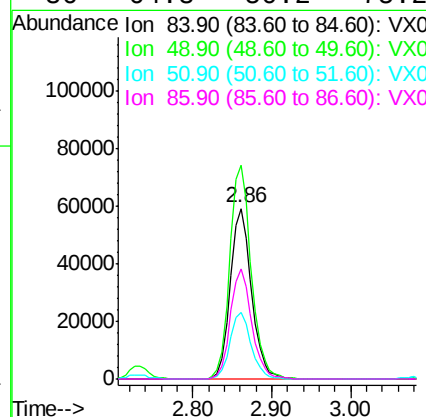
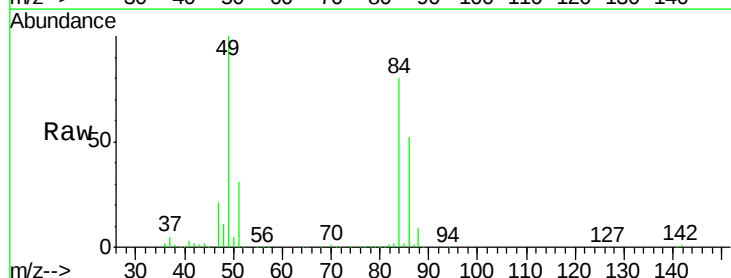
Manual Integrations
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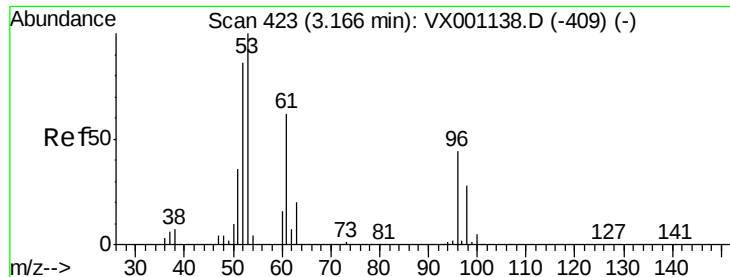
MMDadoda
4/30/2018 6:04:39 PM



#20
Methylene Chloride
Concen: 47.02 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	99.2	148.8
51	38.7	29.5	44.3
86	64.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 47.80 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

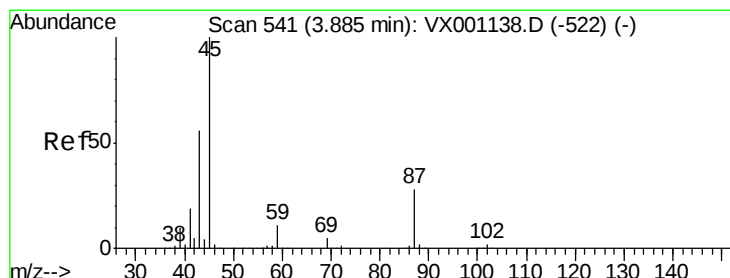
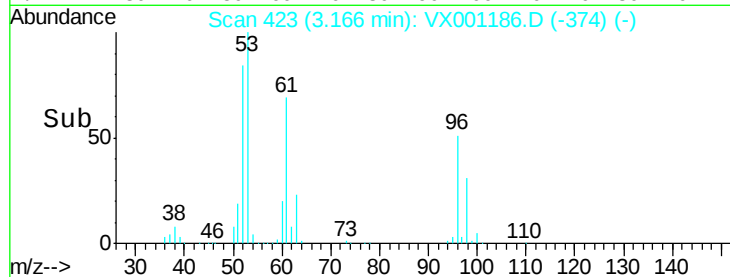
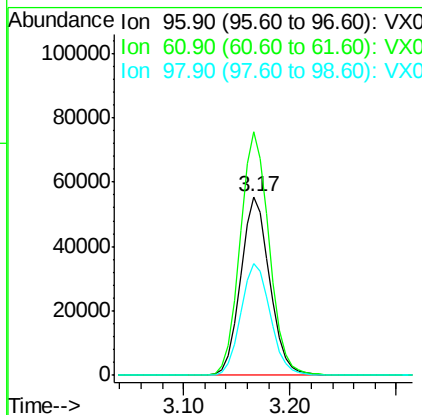
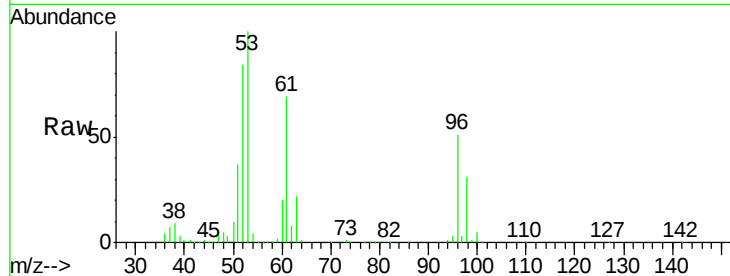
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	106204
Ion	Ratio	Lower	Upper
96	100		
61	136.2	111.9	167.9
98	62.2	51.1	76.7

Manual Integrations
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4/30/2018 6:04:39 PM



#22

Diisopropyl ether

Concen: 48.62 ug/l

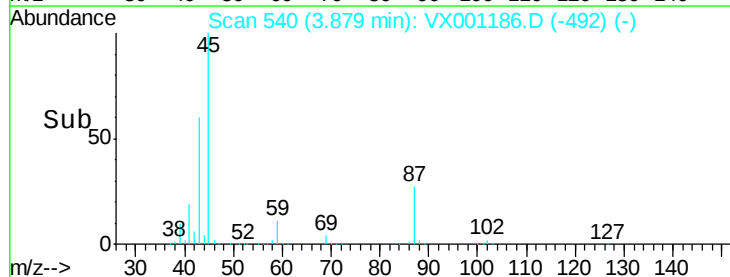
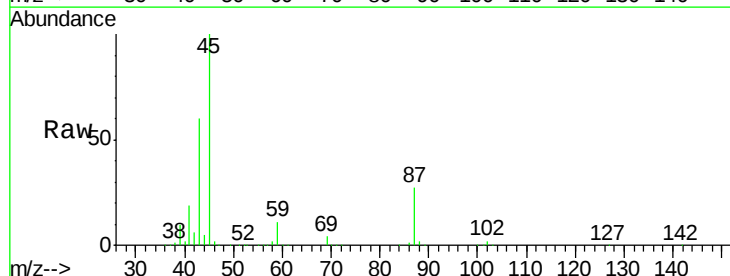
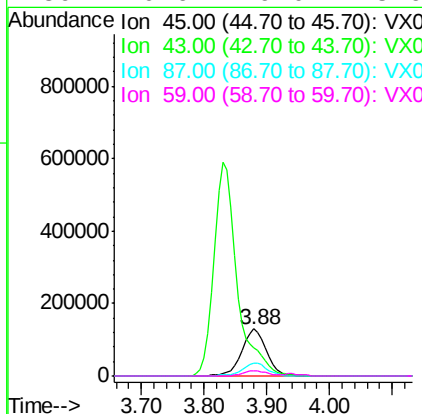
RT: 3.88 min Scan# 540

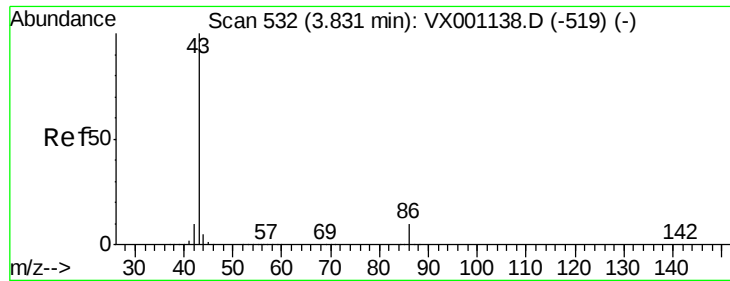
Delta R.T. -0.01 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Tgt Ion:	45	Resp:	356685
Ion	Ratio	Lower	Upper
45	100		
43	60.1	45.0	67.4
87	27.1	22.8	34.2
59	10.6	9.0	13.6





#23

Vinyl Acetate

Concen: 244.56 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1522224

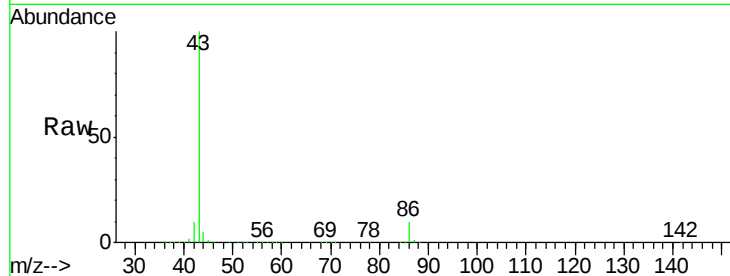
Ion Ratio Lower Upper

43 100

86 9.9 8.0 12.0

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:04:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.83

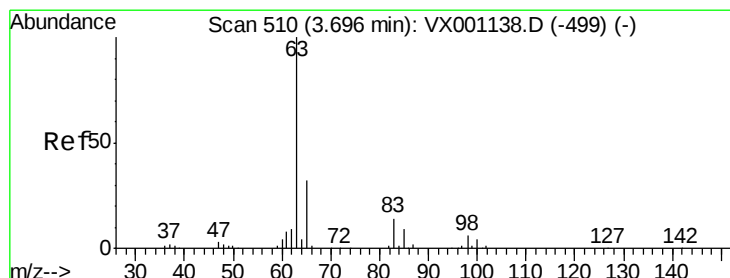
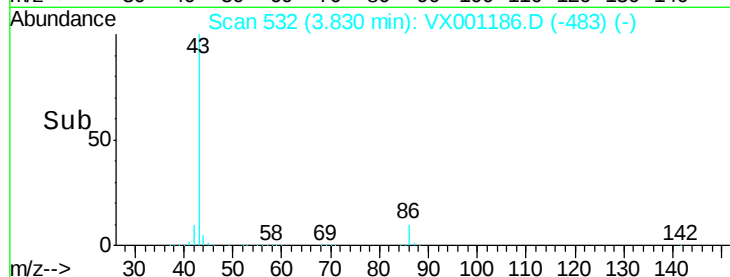
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.88 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

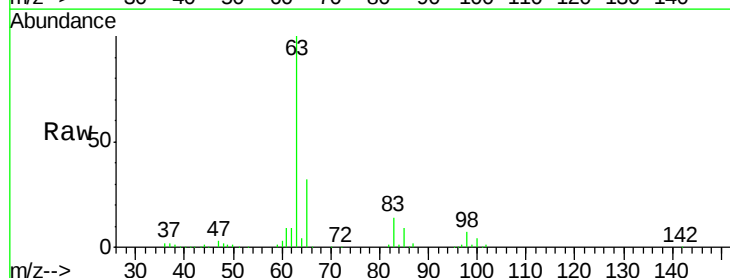
Tgt Ion: 63 Resp: 184614

Ion Ratio Lower Upper

63 100

98 6.9 3.1 9.4

100 4.5 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

3.70

100000

80000

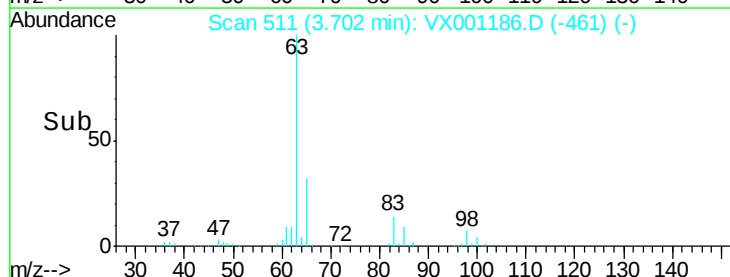
60000

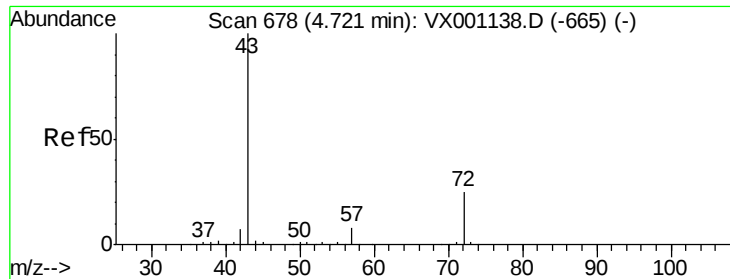
40000

20000

0

Time-->





#25

2-Butanone

Concen: 221.86 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 420629

Ion Ratio Lower Upper

43 100

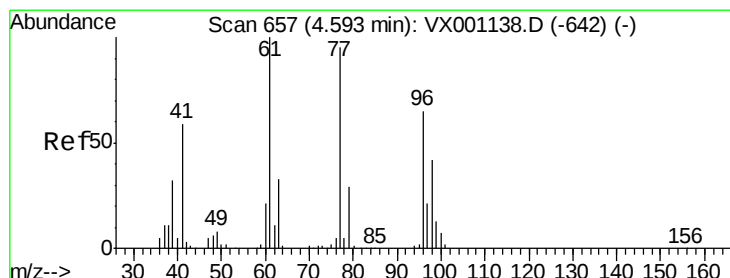
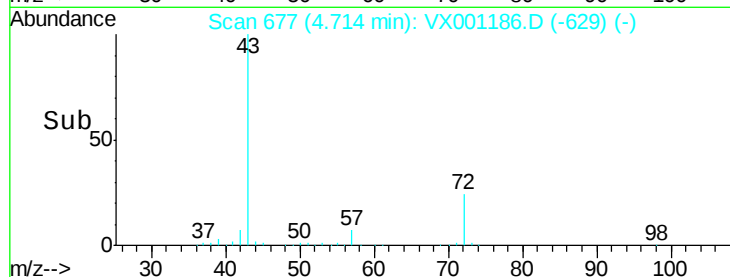
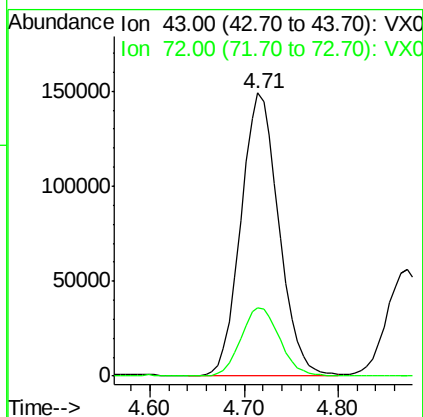
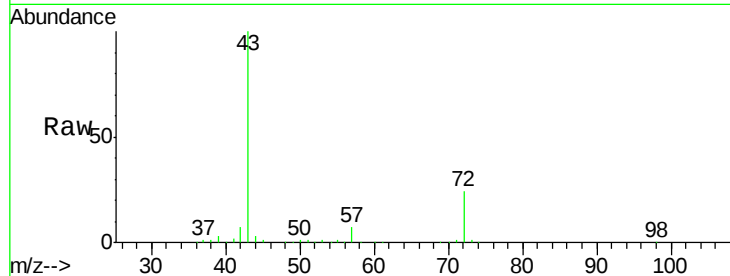
72 24.0 20.0 30.0

Manual Integrations

APPROVED

MMDadoda

4/30/2018 6:04:39 PM



#26

2,2-Dichloropropane

Concen: 41.97 ug/l

RT: 4.59 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX001186.D

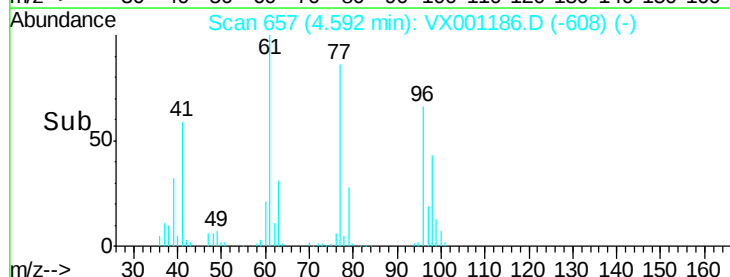
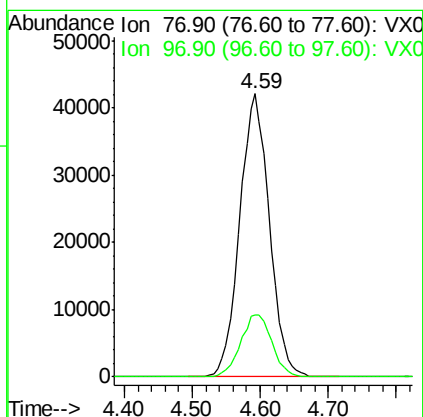
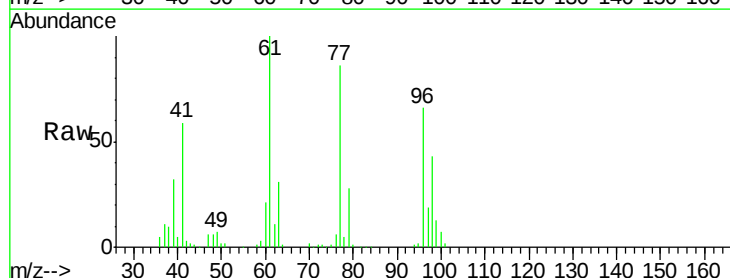
Acq: 27 Apr 2018 22:26

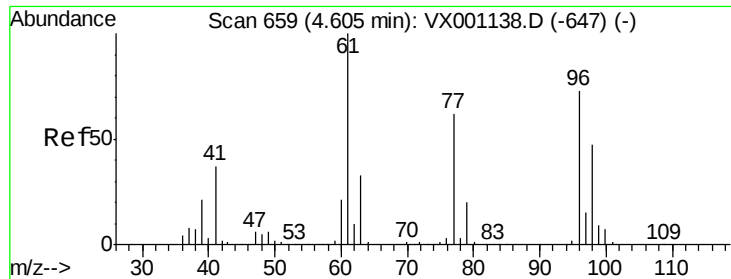
Tgt Ion: 77 Resp: 127376

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





#27

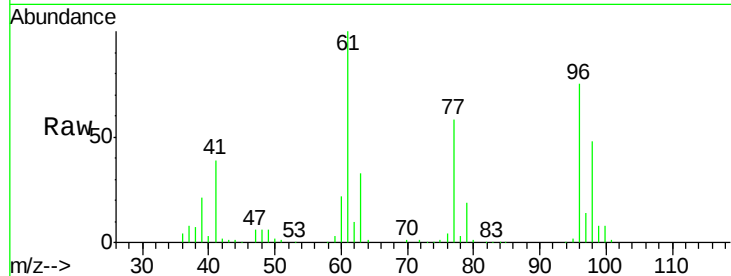
cis-1,2-Dichloroethene
Concen: 48.43 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

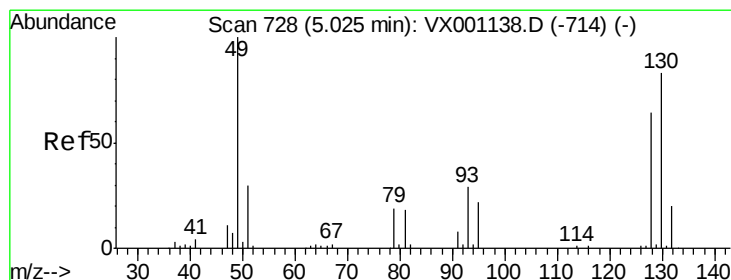
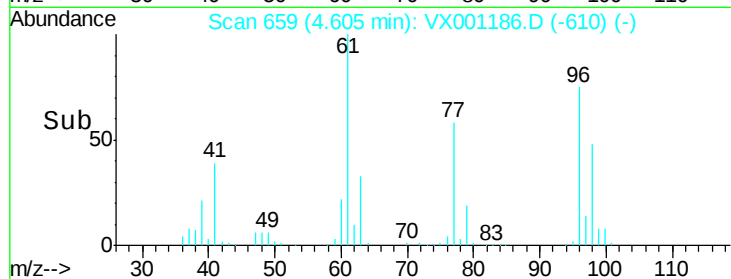
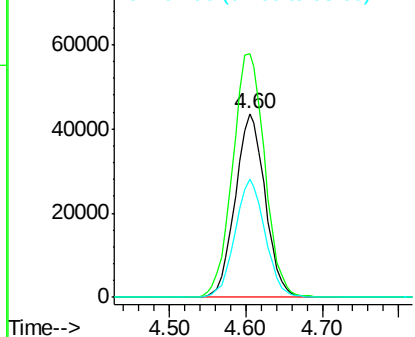
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.8	0.0	289.0	
98	64.7	0.0	128.2	

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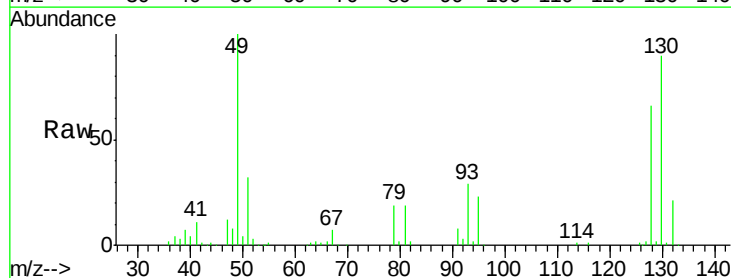
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



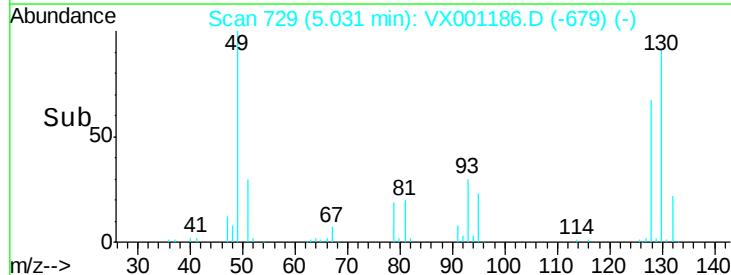
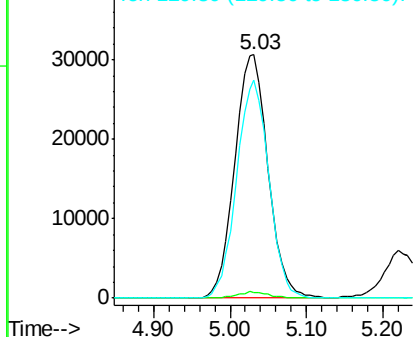
#28

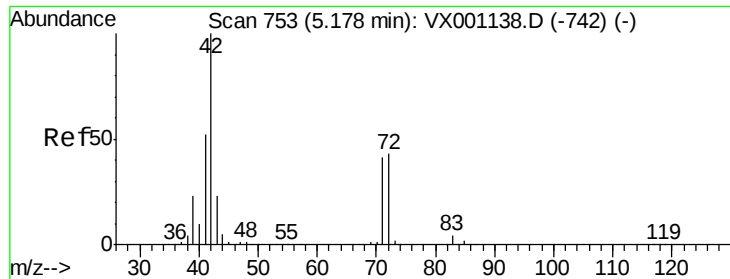
Bromochloromethane
Concen: 53.67 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.01 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	86.6	68.2	102.2	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





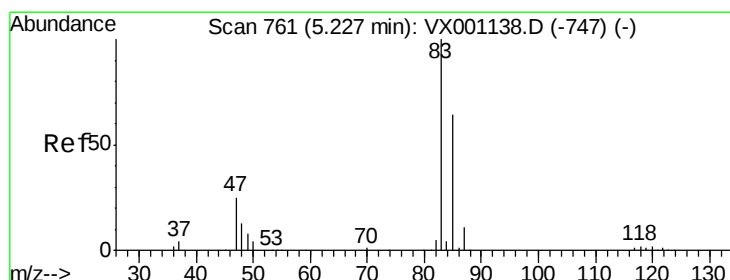
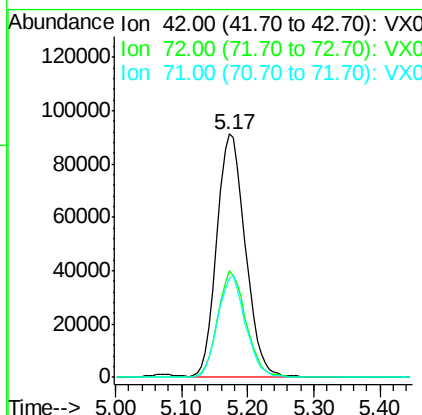
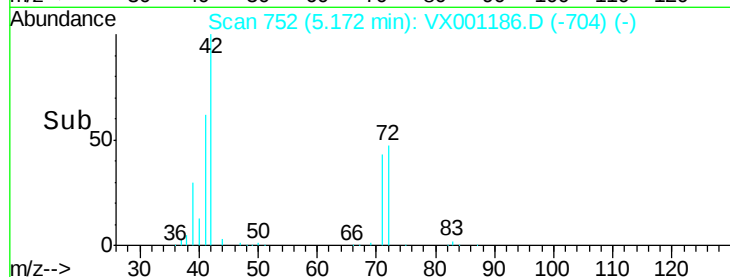
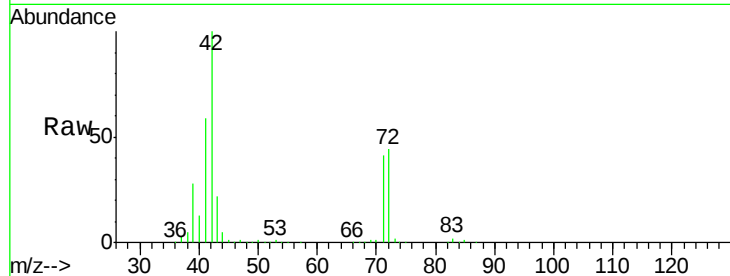
#29
Tetrahydrofuran
Concen: 223.64 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.4	51.6
71	40.6	32.1	48.1

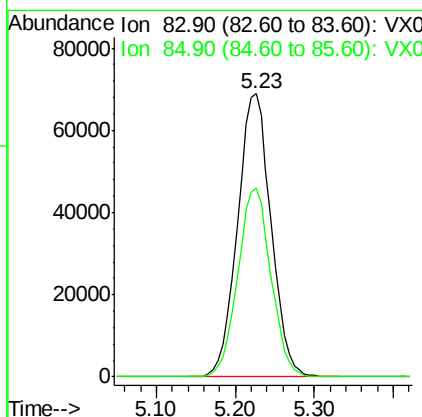
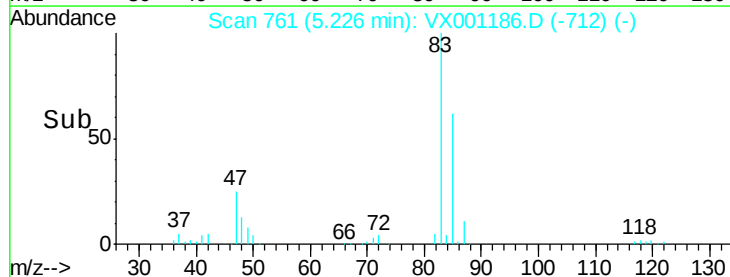
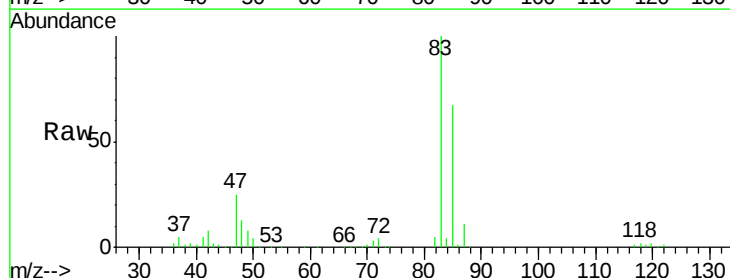
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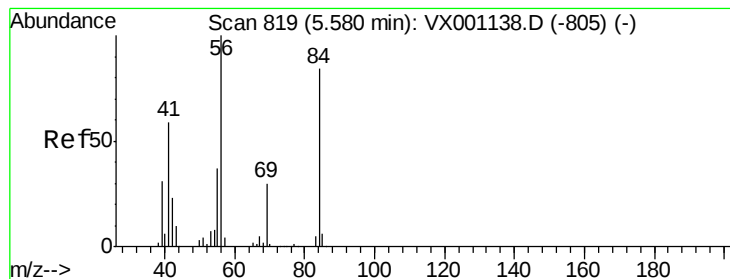
MMDadoda
4/30/2018 6:04:39 PM



#30
Chloroform
Concen: 49.62 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.4	77.0





#31

Cyclohexane

Concen: 47.13 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

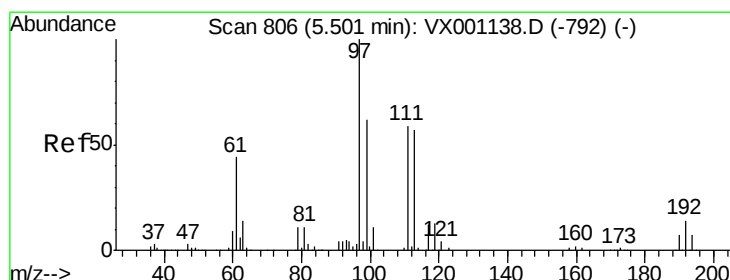
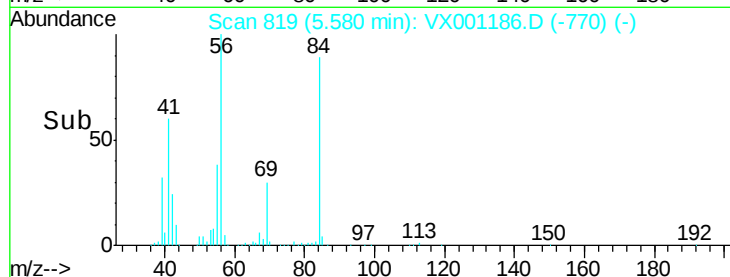
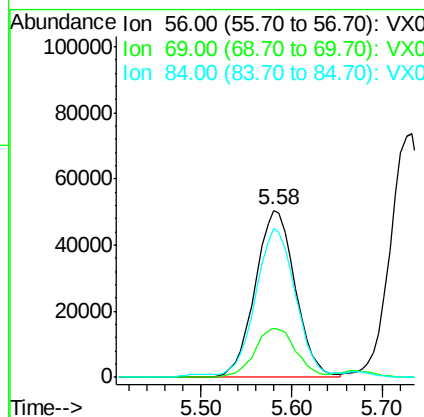
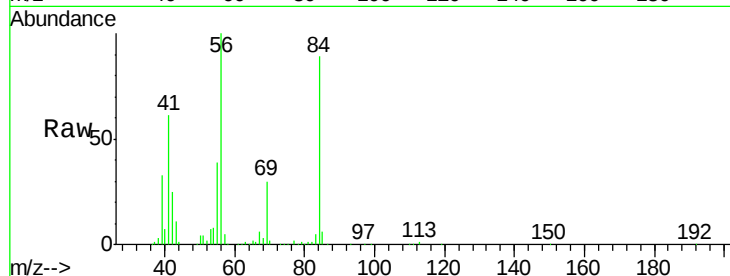
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	154401
Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.2	36.2
84	87.4	67.5	101.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.77 ug/l

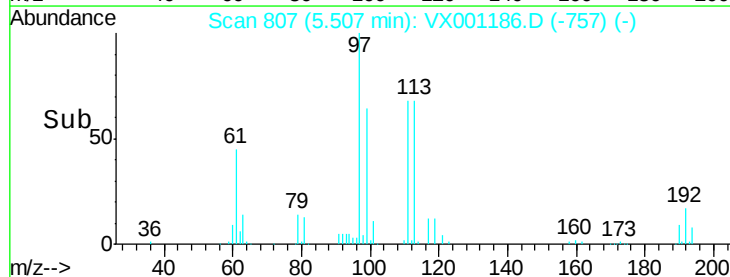
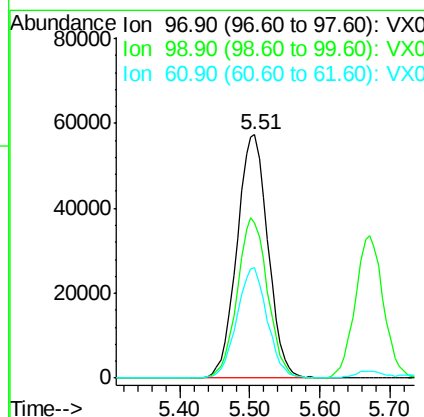
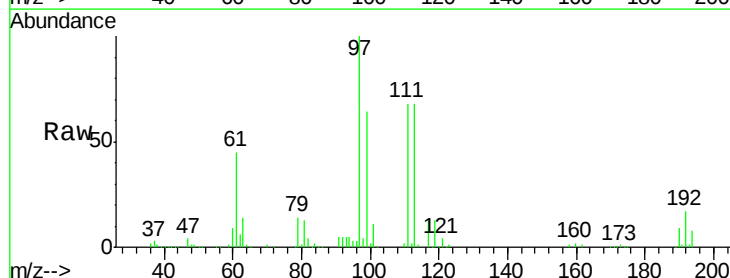
RT: 5.51 min Scan# 807

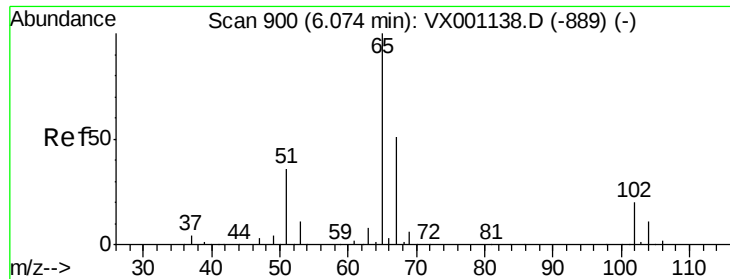
Delta R.T. 0.01 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Tgt Ion:	97	Resp:	176181
Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.9	76.3
61	44.7	35.0	52.6





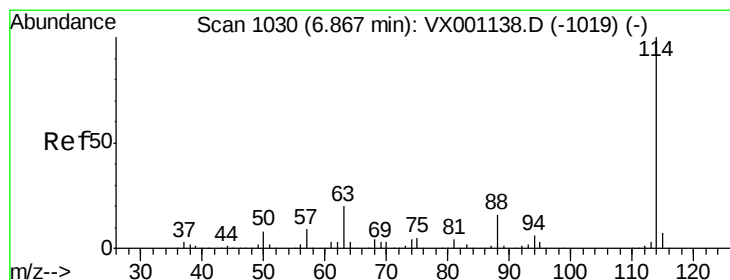
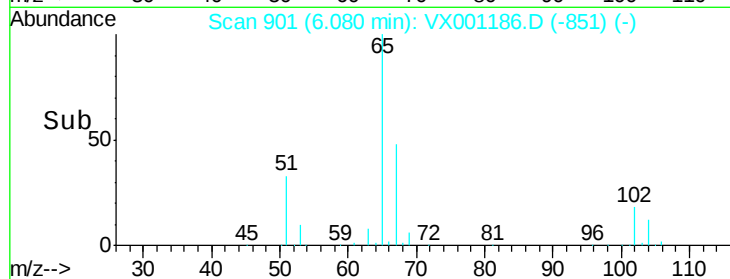
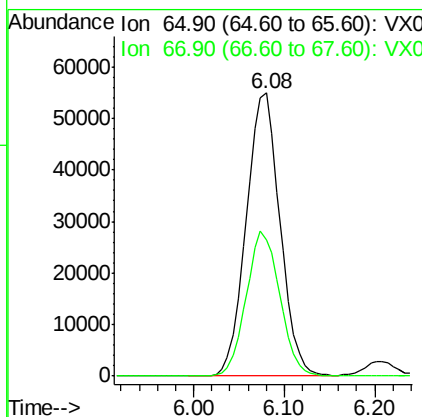
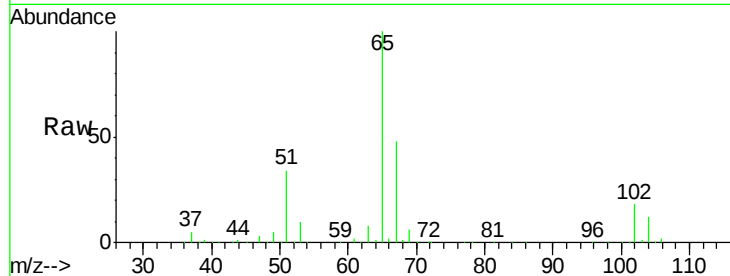
#33
 1,2-Dichloroethane-d4
 Concen: 45.99 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141714		
67	50.9	0.0	102.2	

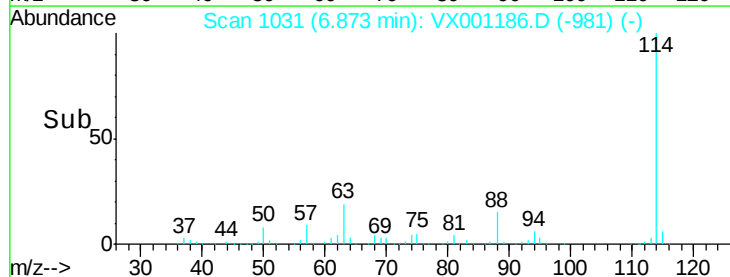
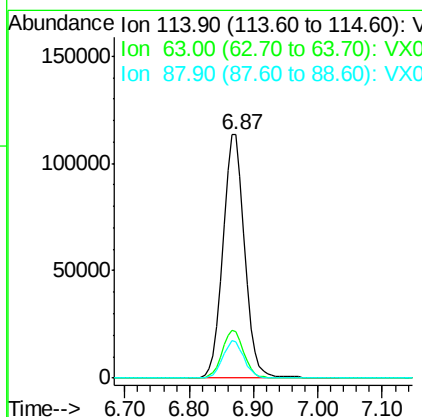
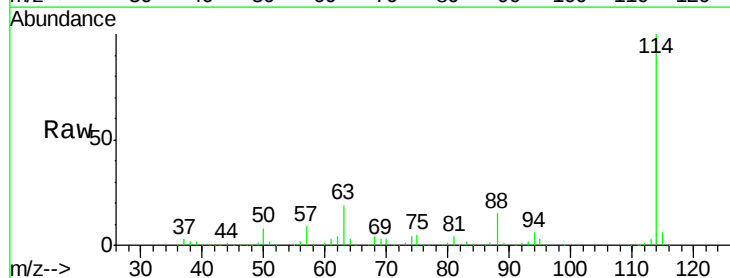
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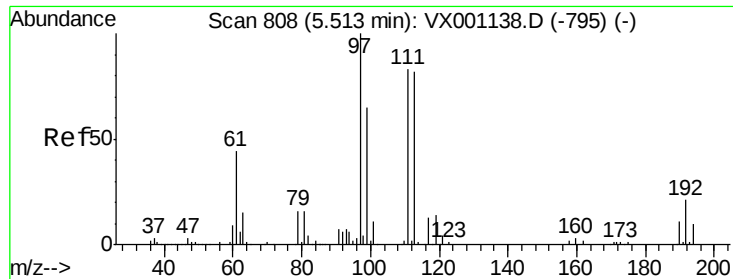
MMDadoda
 4/30/2018 6:04:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	271261		
63	19.1	0.0	40.4	
88	14.8	0.0	31.8	





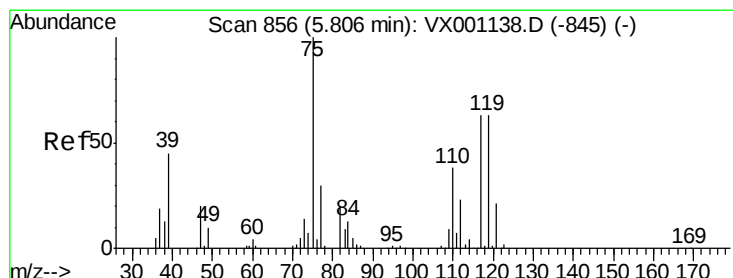
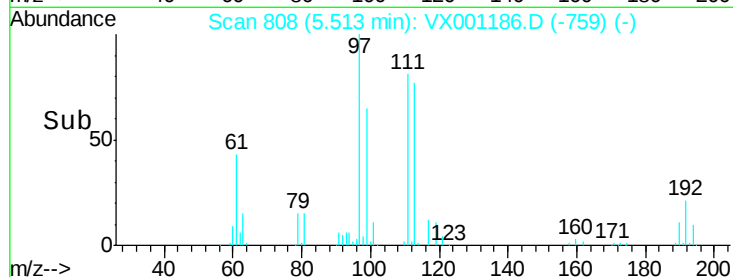
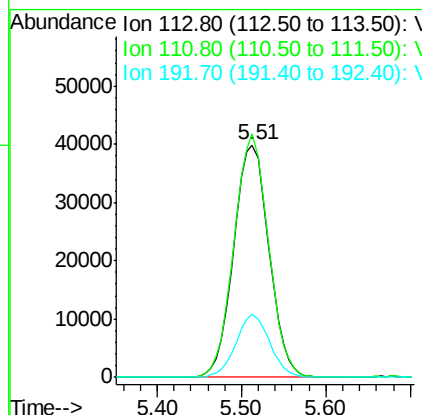
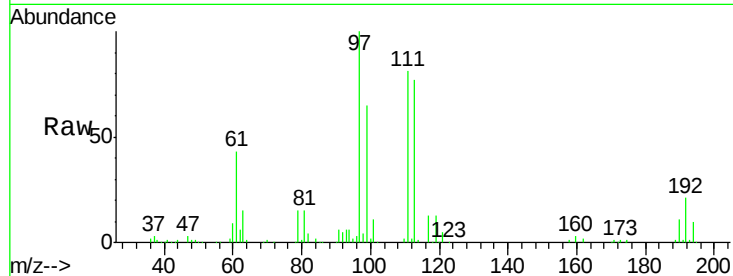
#35
 Dibromofluoromethane
 Concen: 50.59 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113587		
111	101.6	82.2	123.4	
192	25.9	20.6	30.8	

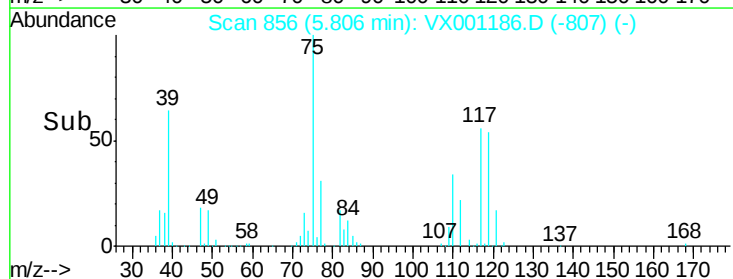
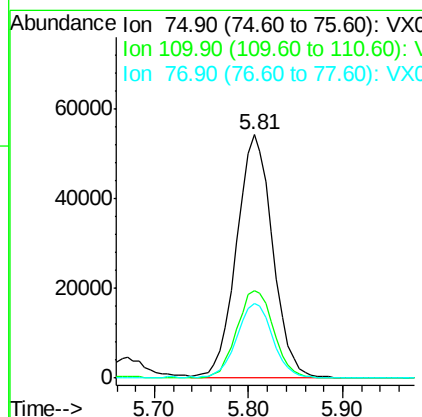
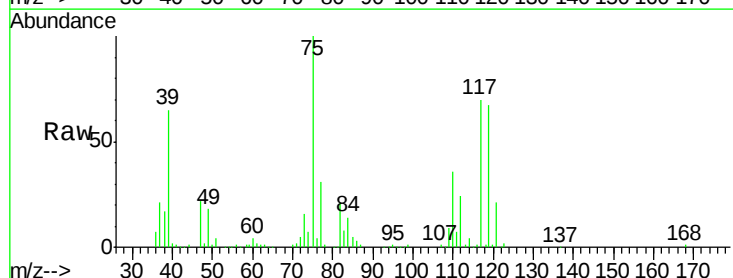
Manual Integrations
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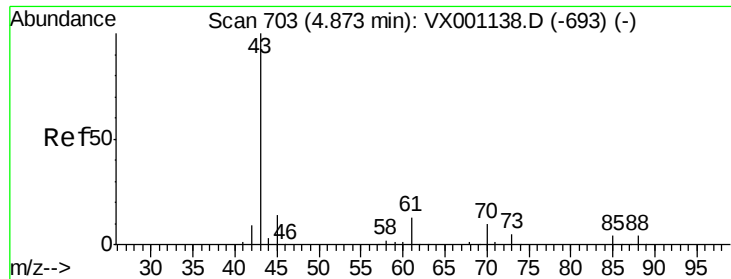
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#36
 1,1-Dichloropropene
 Concen: 48.31 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	144419		
110	37.1	19.0	57.0	
77	31.1	24.8	37.2	





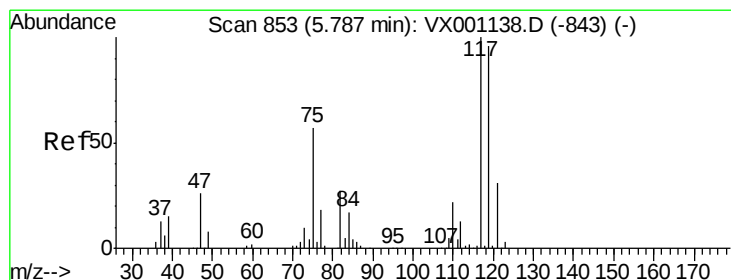
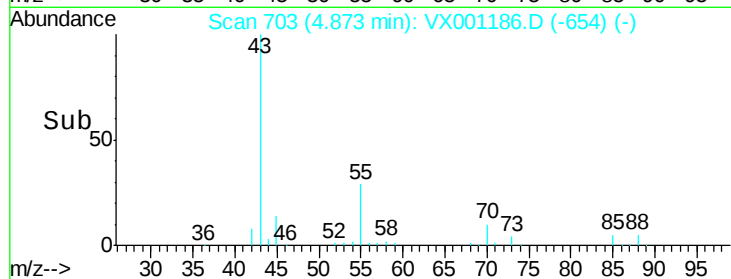
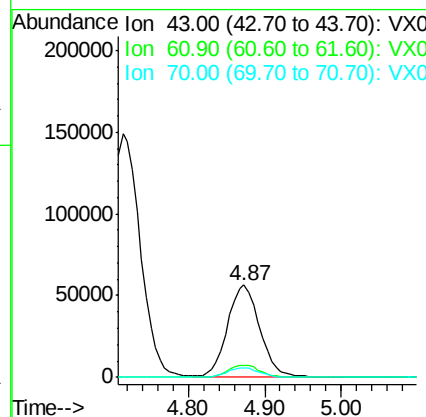
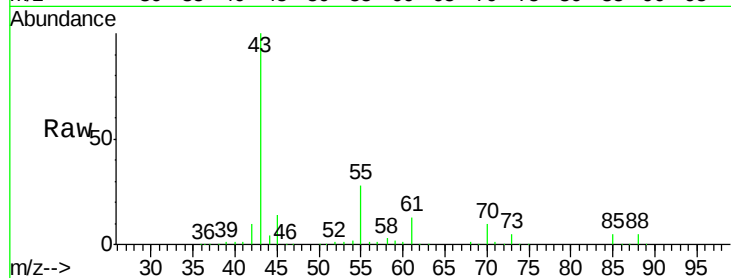
#37
Ethyl Acetate
Concen: 45.95 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

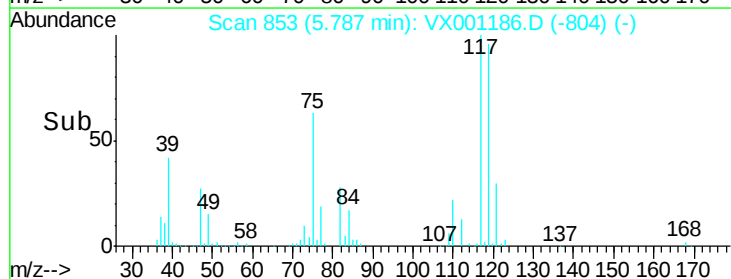
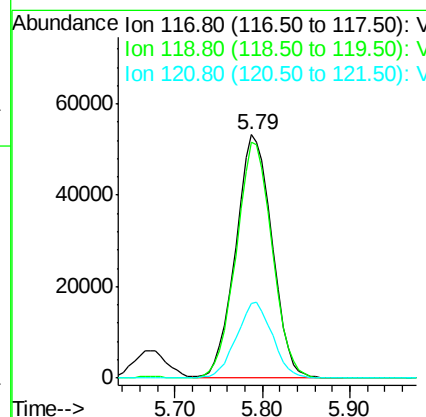
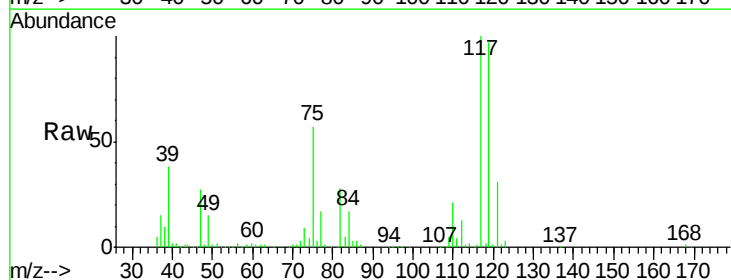
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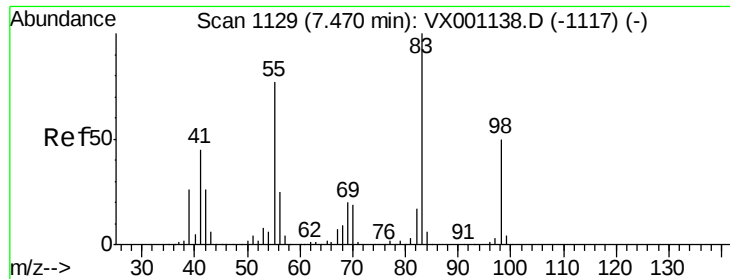
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#38
Carbon Tetrachloride
Concen: 50.23 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.5	114.7
121	30.6	24.6	37.0





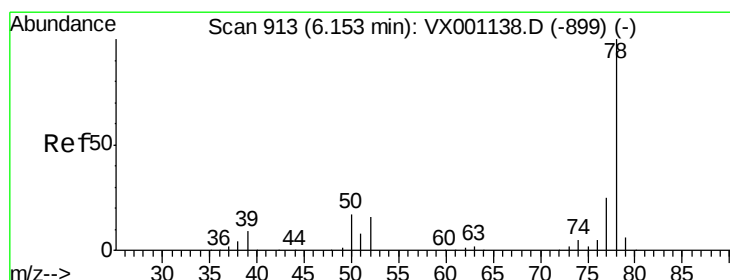
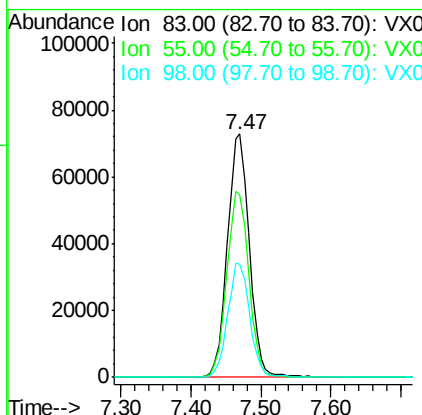
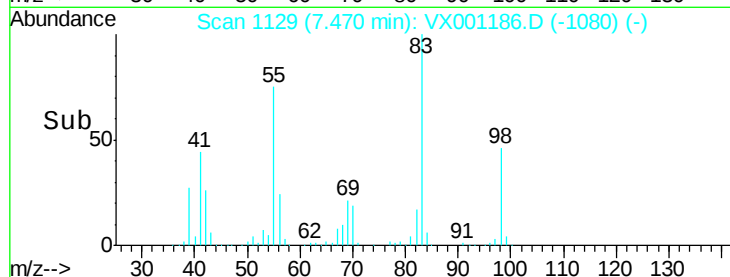
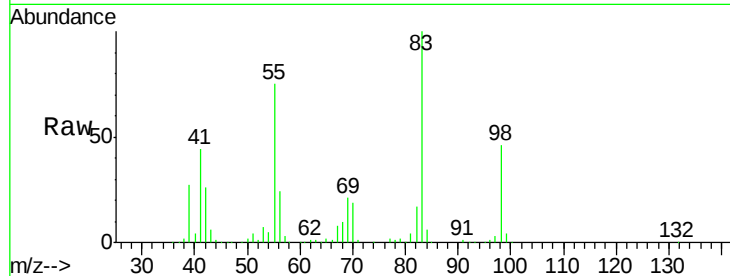
#39
Methvlcvclohexane
Concen: 48.02 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	158868		
55	74.6	61.8	92.6	
98	46.5	40.0	60.0	

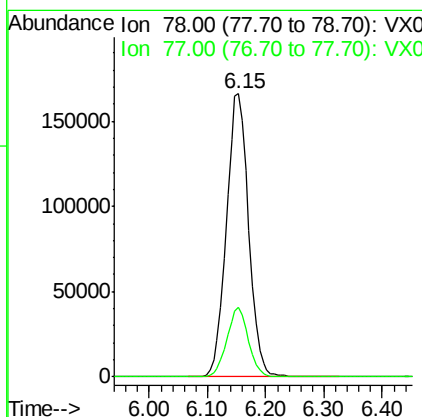
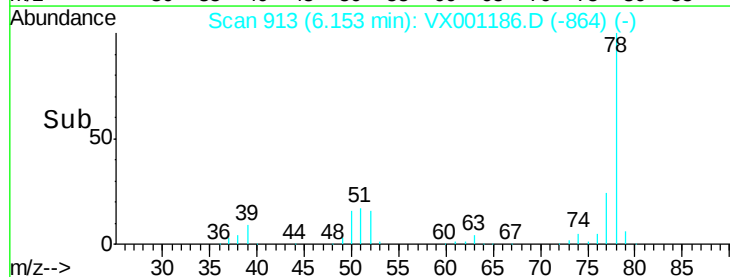
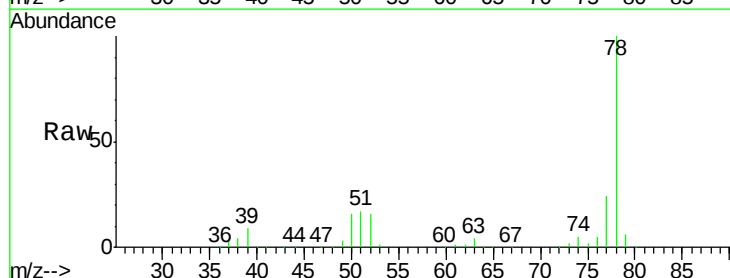
Manual Integrations
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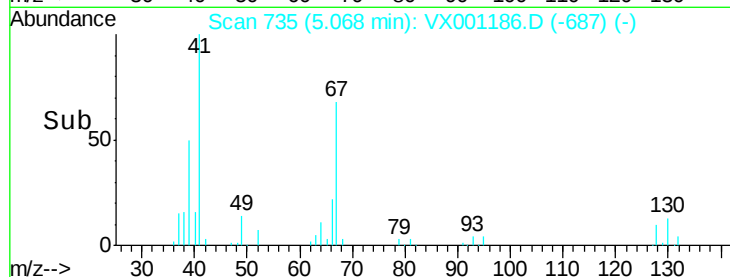
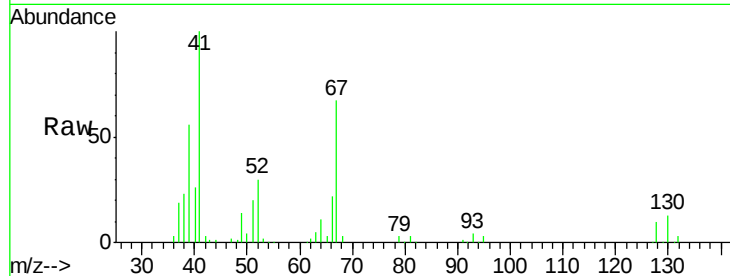
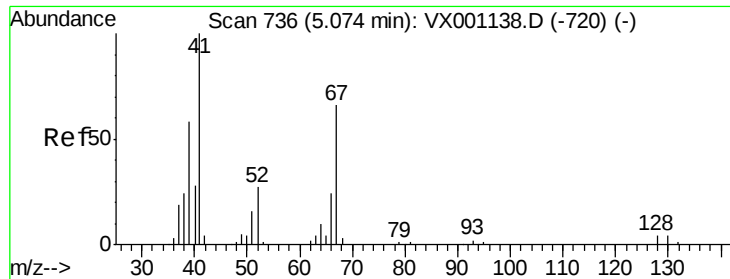
MMDadoda
4/30/2018 6:04:39 PM



#40
Benzene
Concen: 50.89 ug/l
RT: 6.15 min Scan# 913
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	440087		
77	24.4	19.7	29.5	





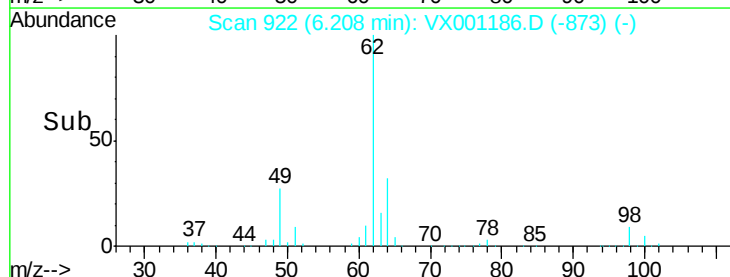
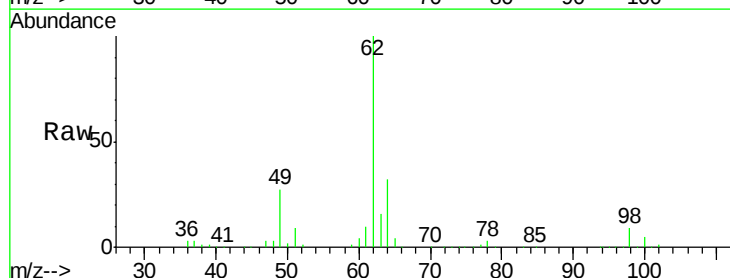
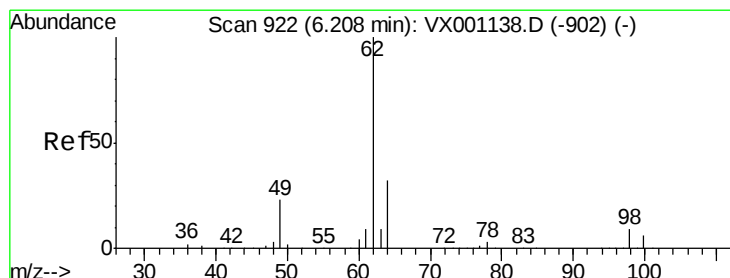
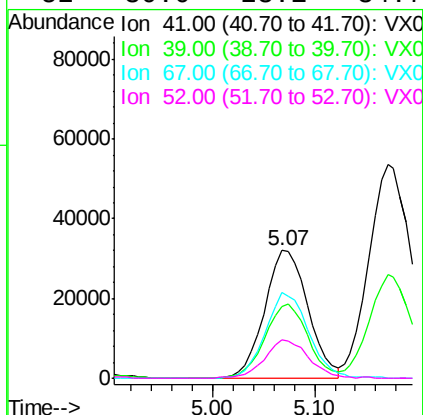
#41
Methacrylonitrile
Concen: 47.21 ug/l
RT: 5.07 min Scan# 735
Delta R.T. -0.01 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.6	45.9	68.9	
67	66.5	53.2	79.8	
52	30.0	23.1	34.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

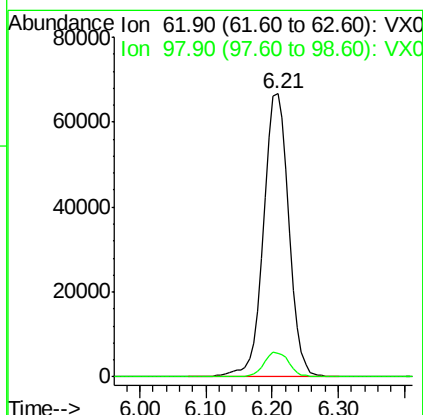
Manual Integrations
APPROVED

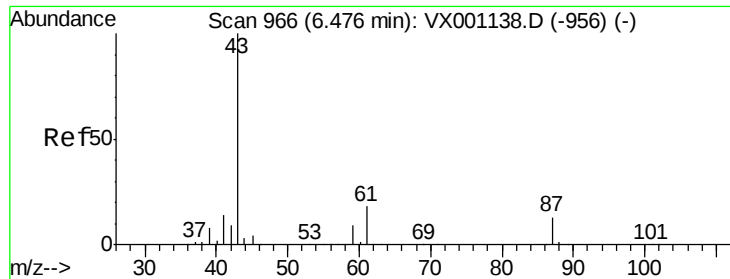
MMDadoda
4/30/2018 6:04:39 PM



#42
1,2-Dichloroethane
Concen: 50.89 ug/l
RT: 6.21 min Scan# 922
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

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





#43

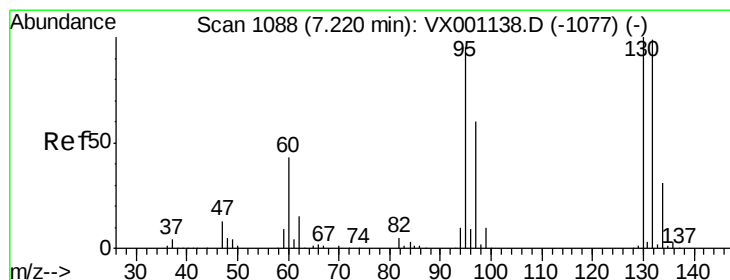
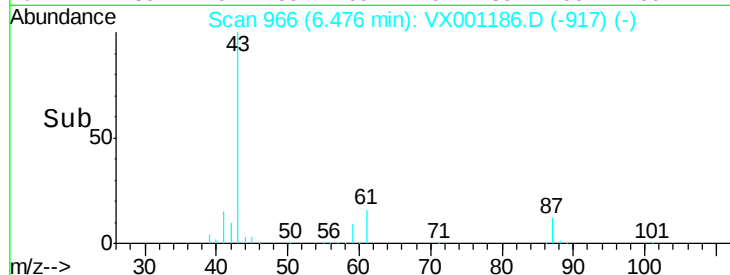
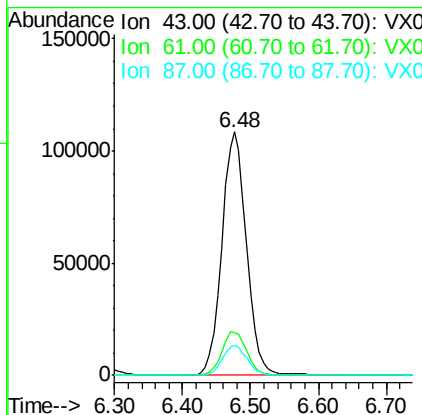
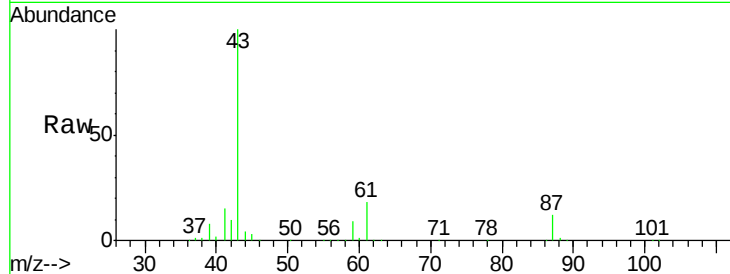
Isopropyl Acetate
 Concen: 47.83 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.0	22.6
87	12.6	10.3	15.5

Manual Integrations
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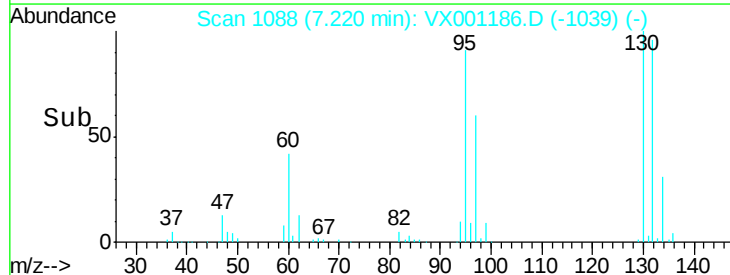
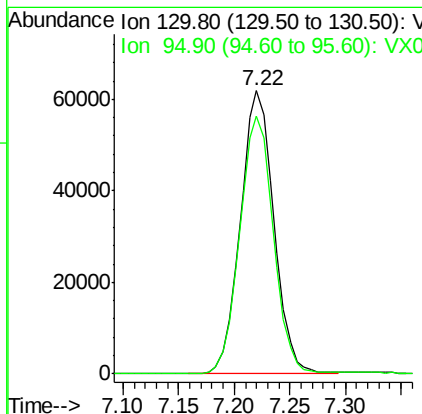
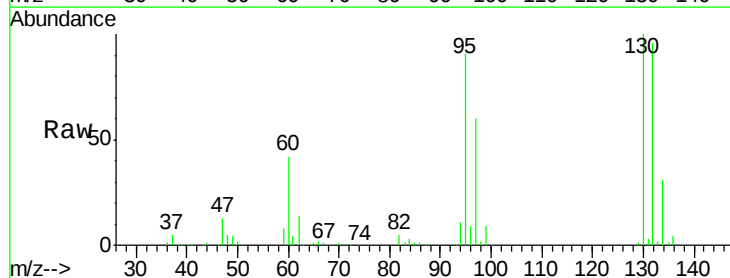
MMDadoda
 4/30/2018 6:04:39 PM

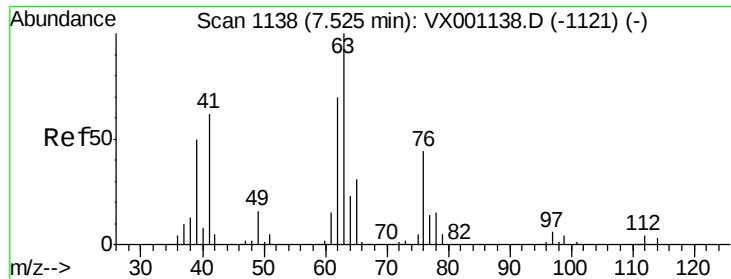


#44

Trichloroethene
 Concen: 50.15 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	189.6





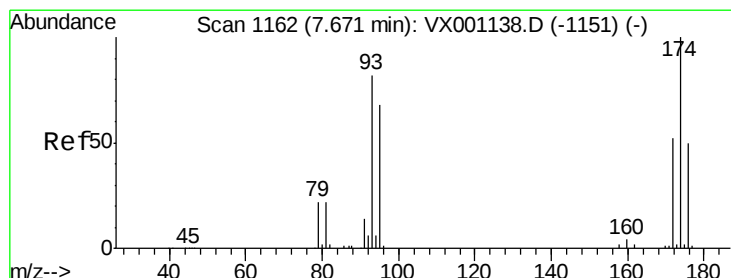
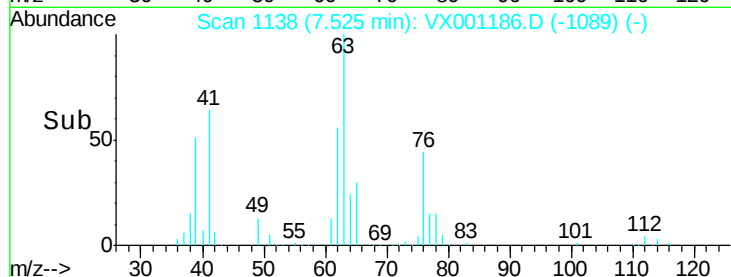
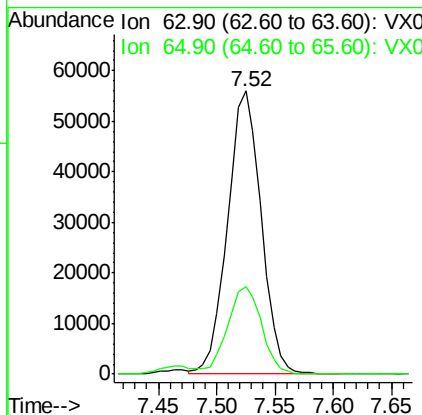
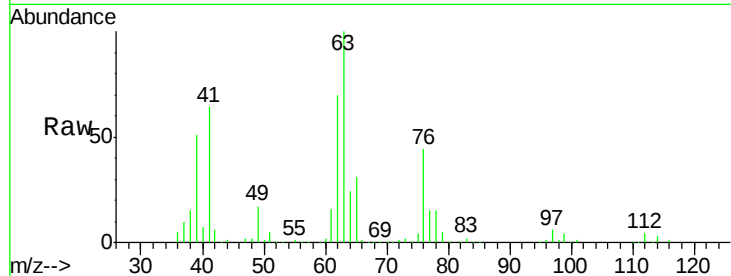
#45
 1,2-Dichloropropane
 Concen: 49.24 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.9	37.3

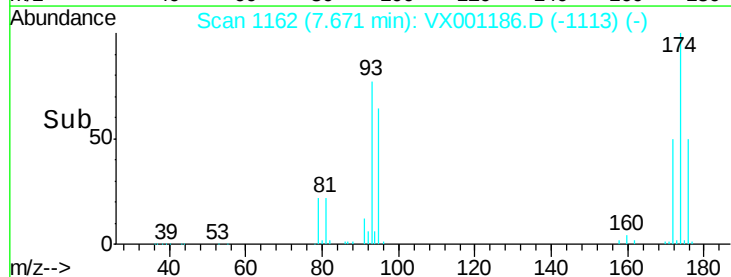
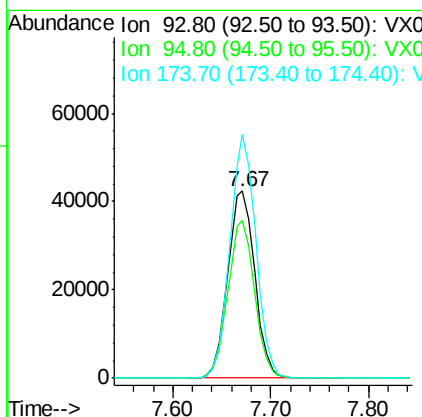
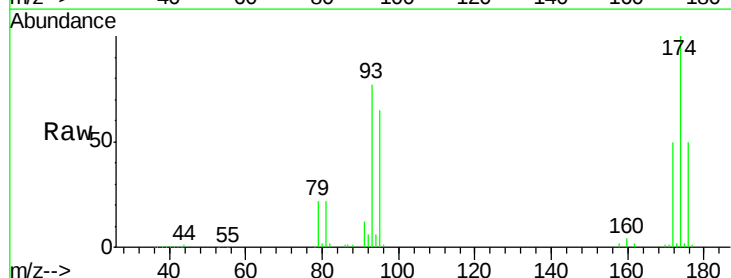
Manual Integrations
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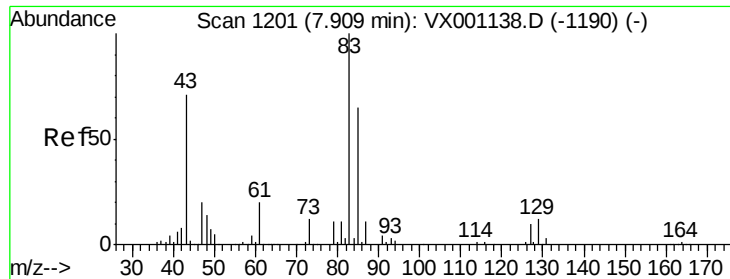
MMDadoda
 4/30/2018 6:04:39 PM



#46
 Dibromomethane
 Concen: 51.71 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.4	99.6
174	125.0	99.6	149.4





#47

Bromodichloromethane

Concen: 52.41 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

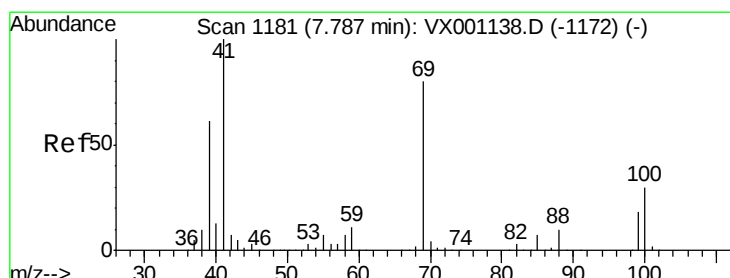
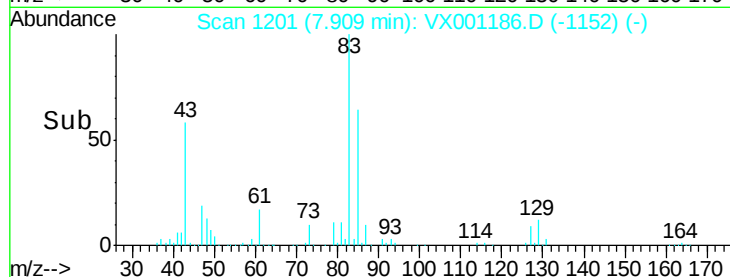
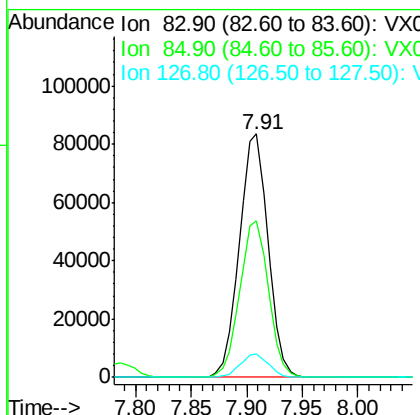
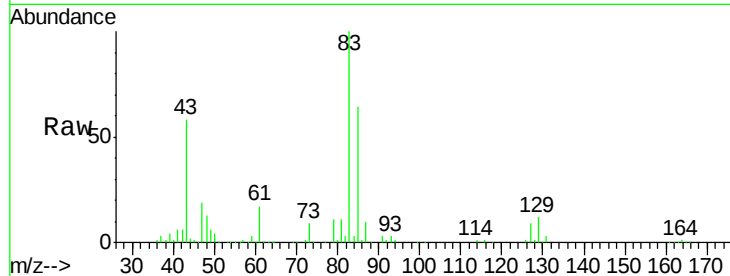
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	149982
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9
127	9.4	7.7	11.5

Manual Integrations
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MMDadoda
4/30/2018 6:04:39 PM



#48

Methyl methacrylate

Concen: 48.45 ug/l

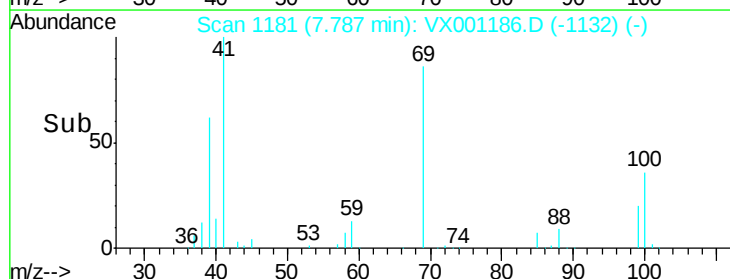
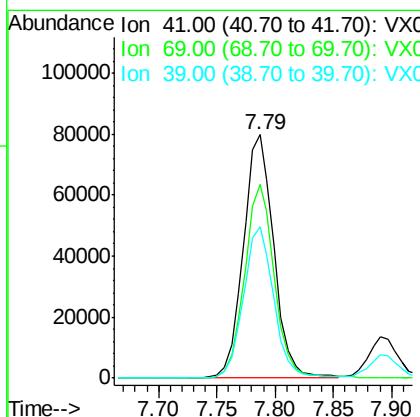
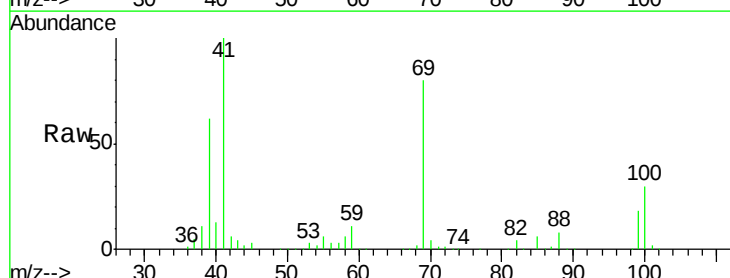
RT: 7.79 min Scan# 1181

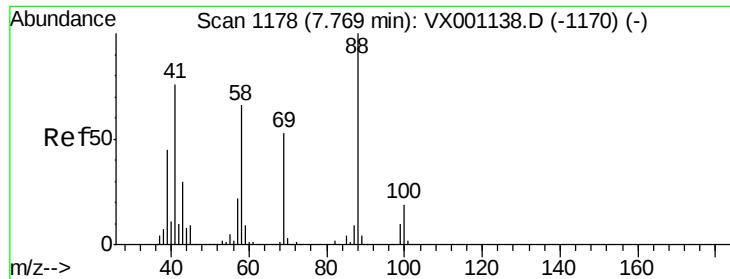
Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Tgt Ion:	41	Resp:	144790
Ion	Ratio	Lower	Upper
41	100		
69	78.1	62.4	93.6
39	61.6	48.7	73.1





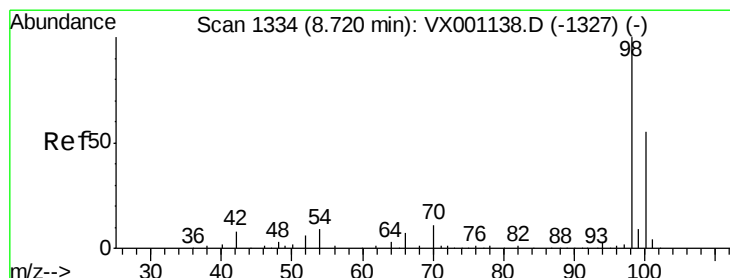
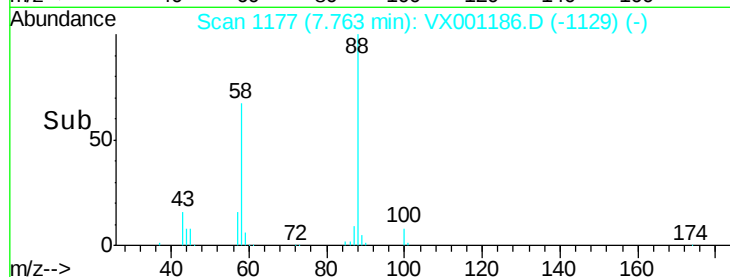
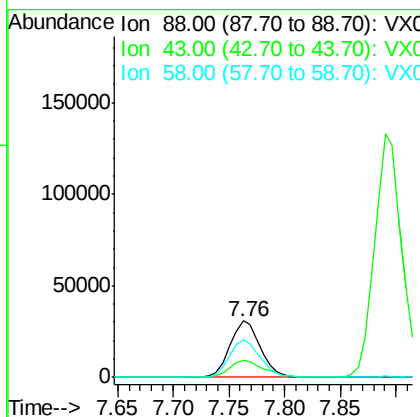
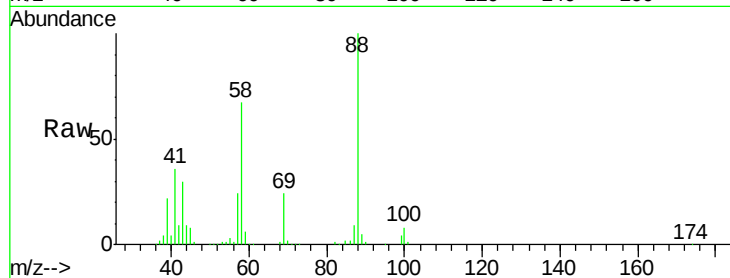
#49
 1,4-Dioxane
 Concen: 974.36 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	27.3	40.9
58	68.0	54.2	81.4

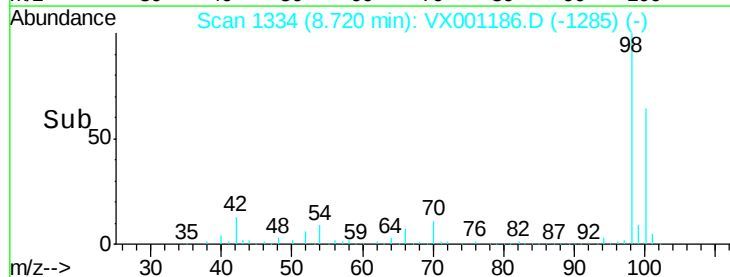
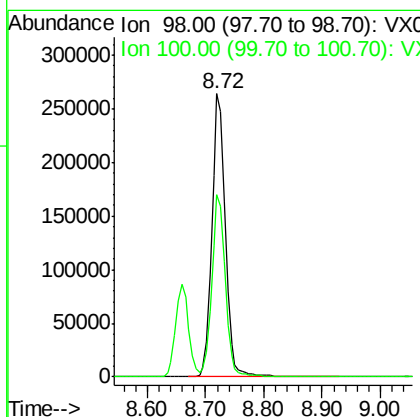
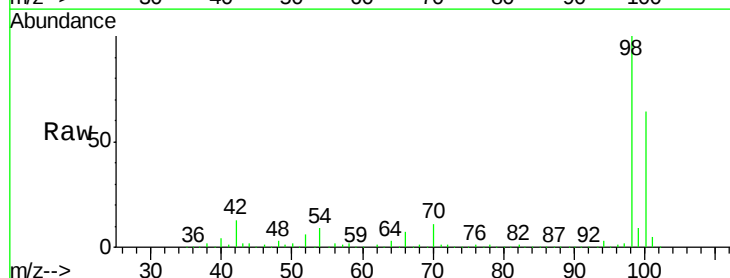
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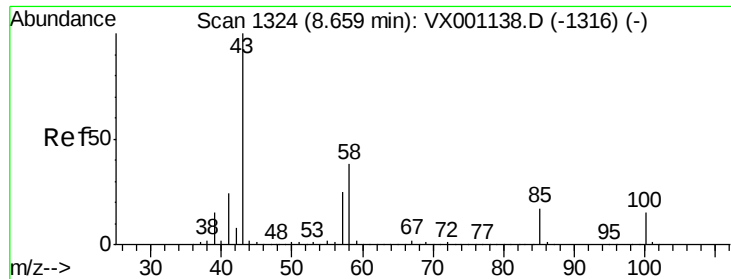
MMDadoda
 4/30/2018 6:04:39 PM



#50
 Toluene-d8
 Concen: 49.95 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 245.61 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 907019

Ion Ratio Lower Upper

43 100

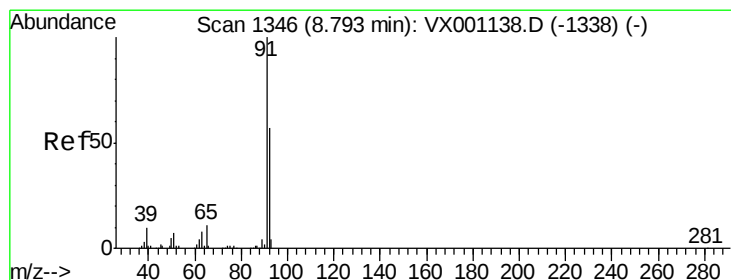
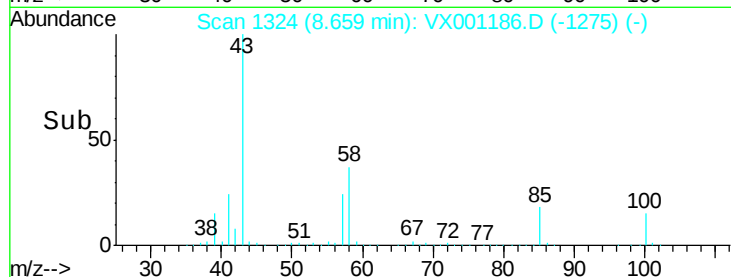
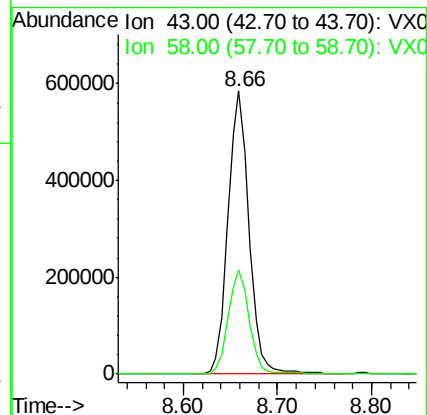
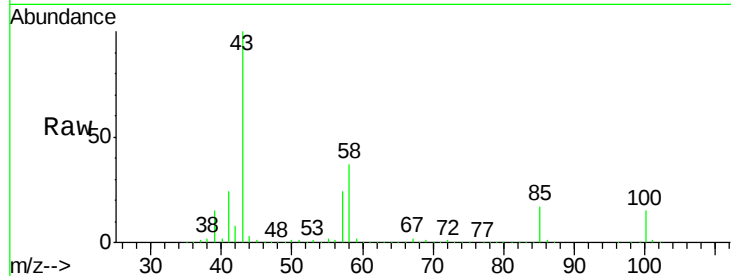
58 36.5 30.2 45.2

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#52

Toluene

Concen: 50.98 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001186.D

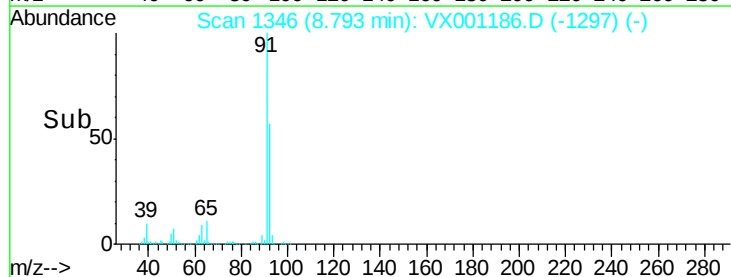
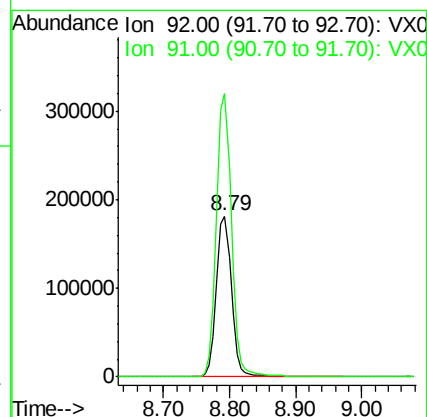
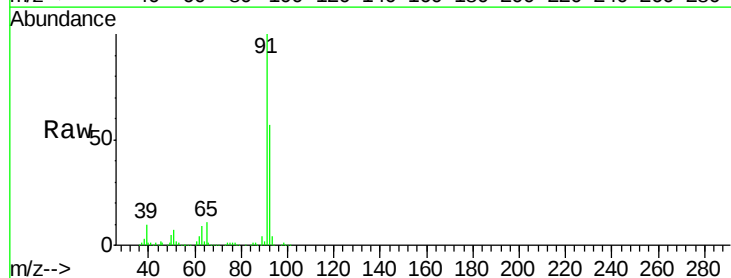
Acq: 27 Apr 2018 22:26

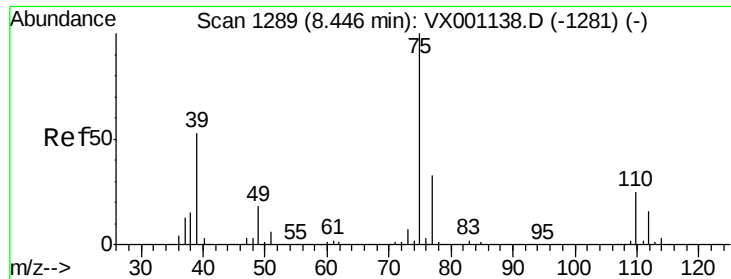
Tgt Ion: 92 Resp: 288305

Ion Ratio Lower Upper

92 100

91 175.6 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 51.94 ug/l

RT: 8.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 172773

Ion Ratio Lower Upper

75 100

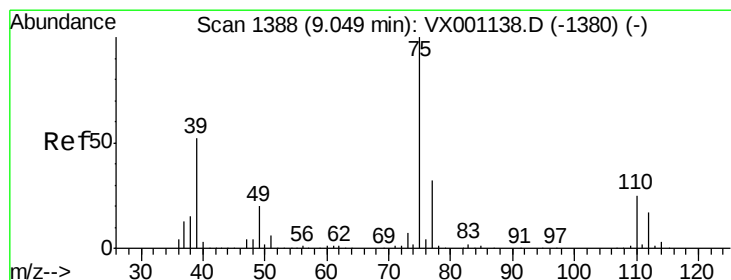
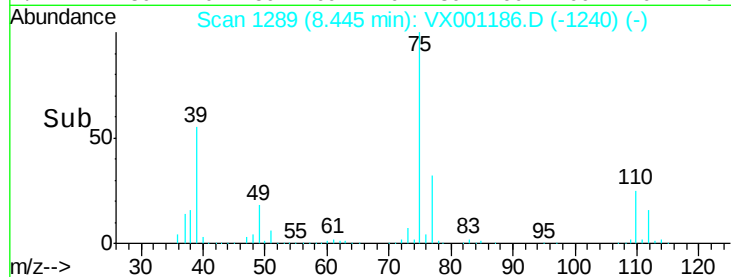
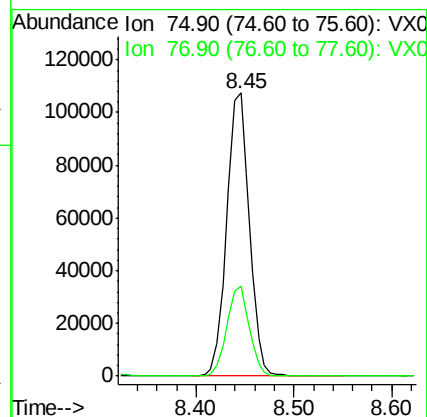
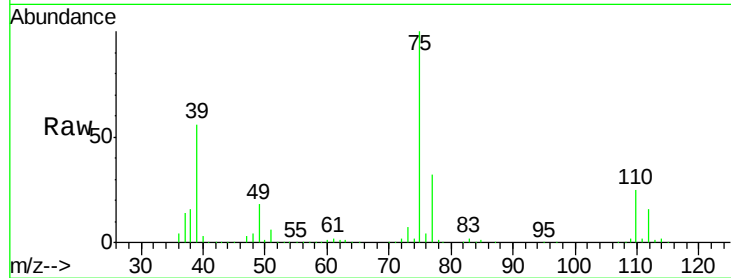
77 31.6 26.2 39.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.24 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

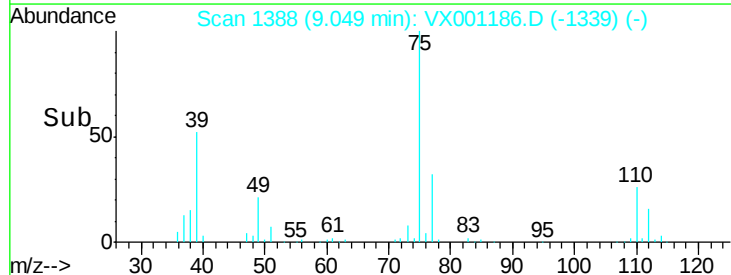
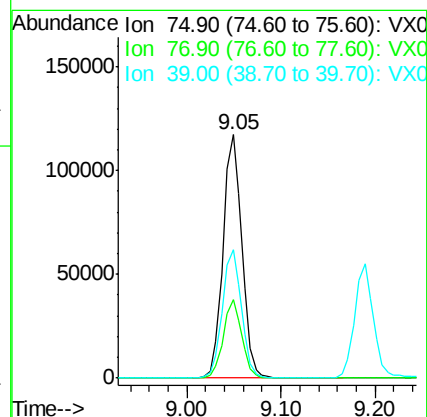
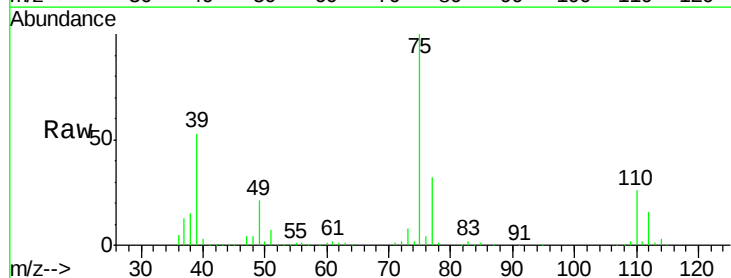
Tgt Ion: 75 Resp: 162204

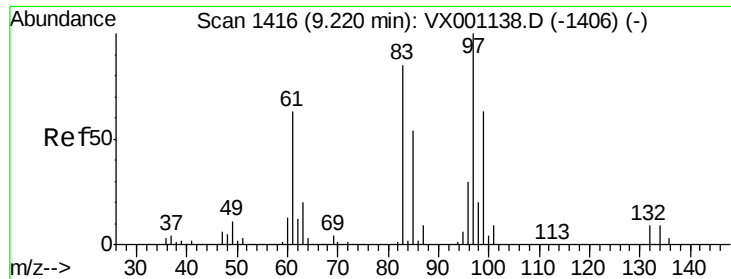
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2

39 52.6 42.0 63.0





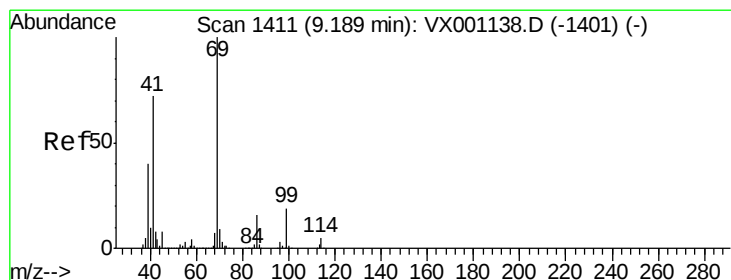
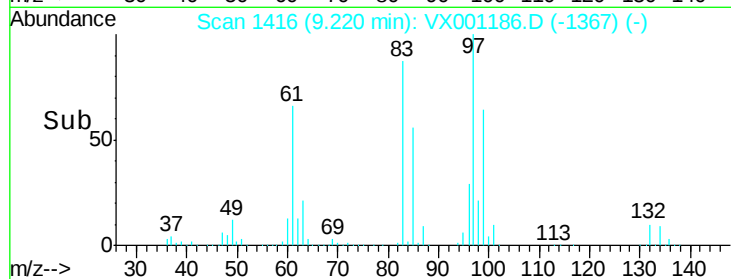
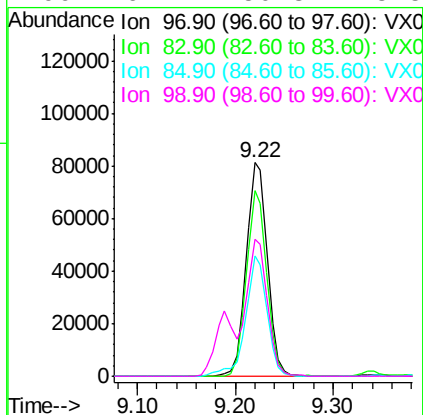
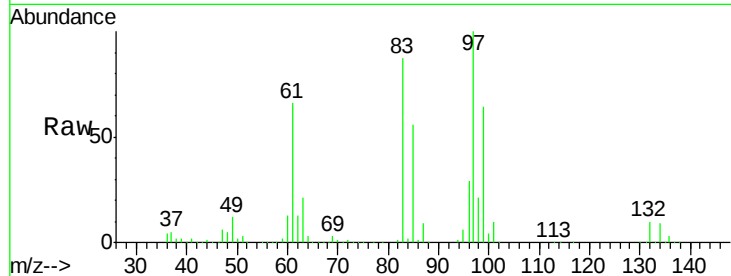
#55
 1,1,2-Trichloroethane
 Concen: 50.85 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	121652
Ion	Ratio	Lower	Upper
97	100		
83	87.0	68.0	102.0
85	56.3	42.9	64.3
99	64.2	50.3	75.5

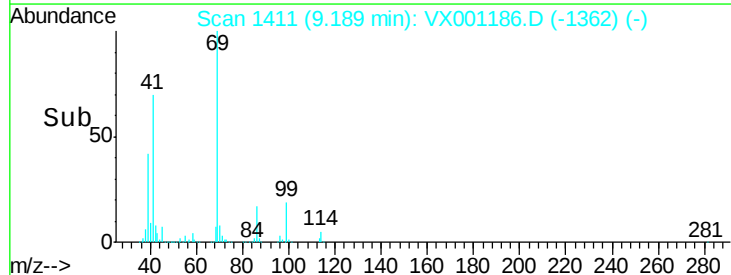
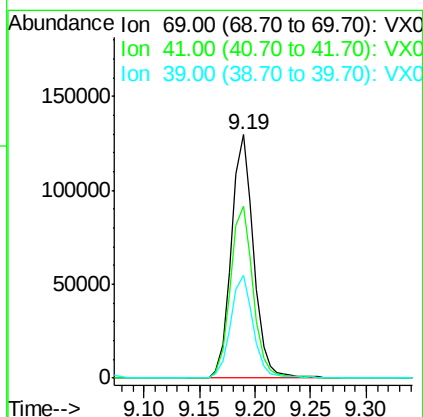
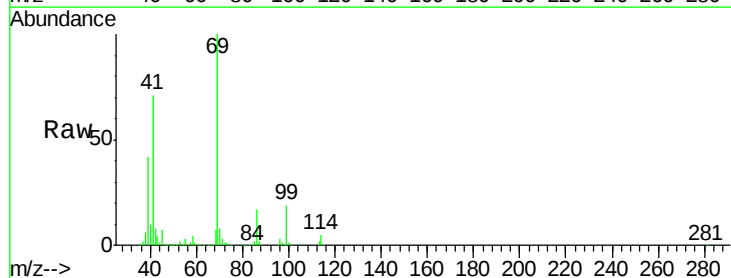
Manual Integrations
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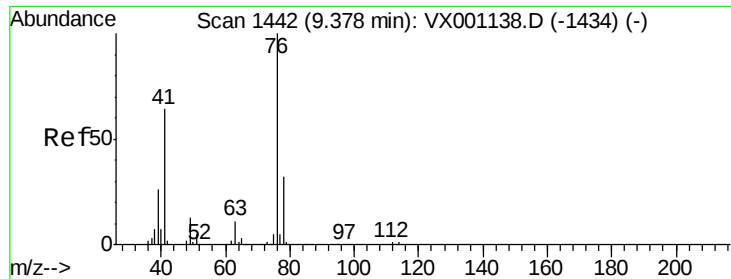
MMDadoda
 4/30/2018 6:04:39 PM



#56
 Ethyl methacrylate
 Concen: 50.65 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion:	69	Resp:	179533
Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.7	86.5
39	42.8	33.3	49.9





#57

1,3-Dichloropropane

Concen: 51.00 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 197379

Ion Ratio Lower Upper

76 100

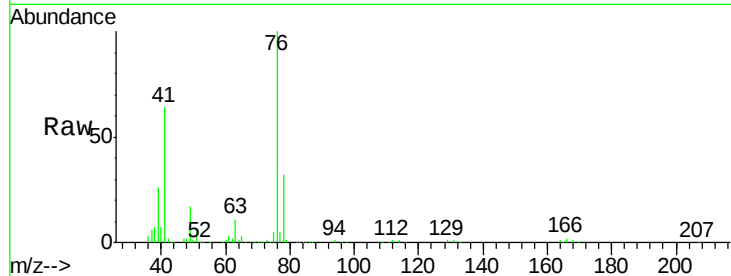
78 32.3 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

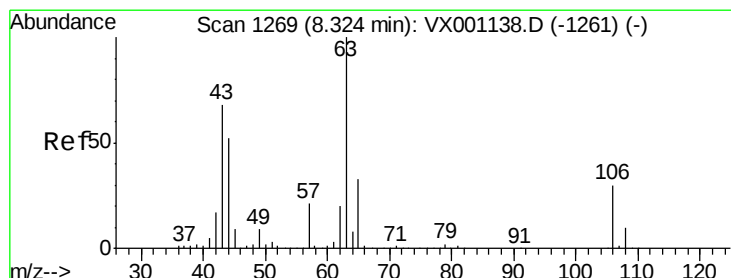
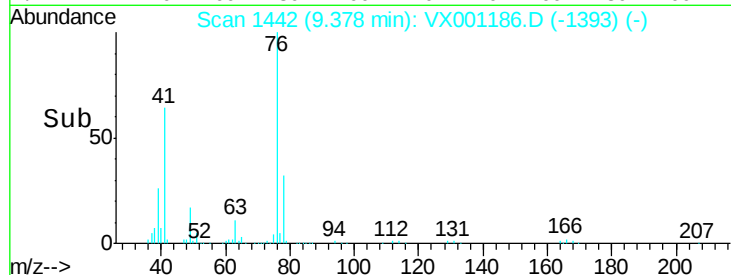
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 251.09 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX001186.D

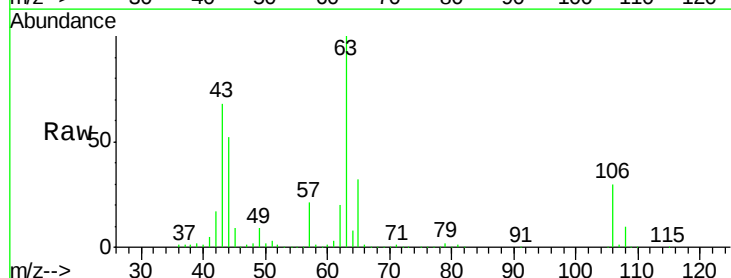
Acq: 27 Apr 2018 22:26

Tgt Ion: 63 Resp: 420756

Ion Ratio Lower Upper

63 100

106 29.3 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

300000

250000

200000

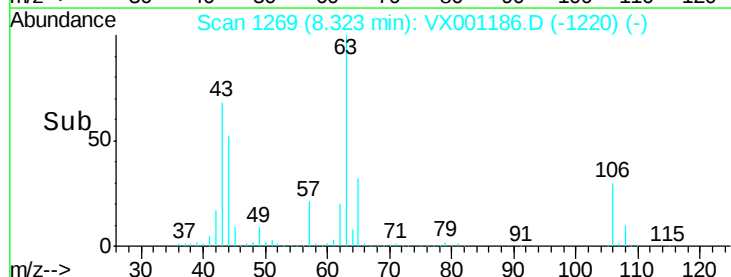
150000

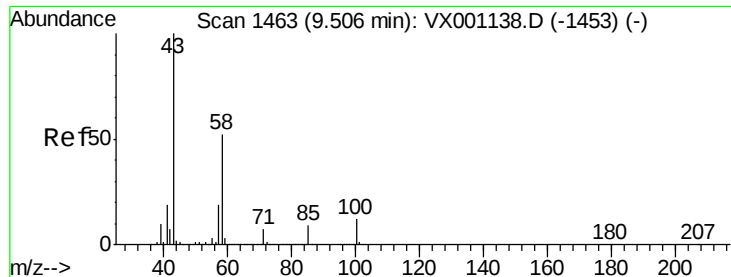
100000

50000

0

Time-->





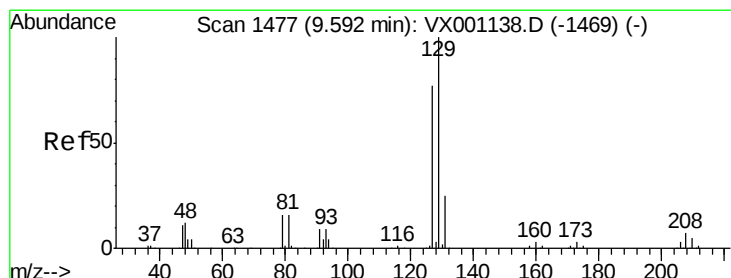
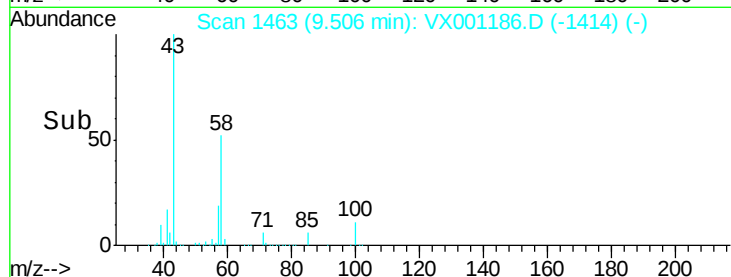
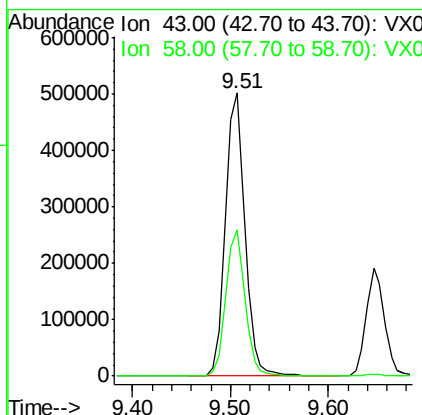
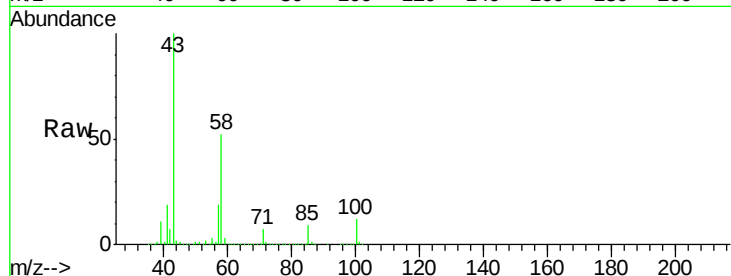
#59
2-Hexanone
Concen: 240.83 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 696830
Ion Ratio Lower Upper
43 100
58 51.1 25.8 77.4

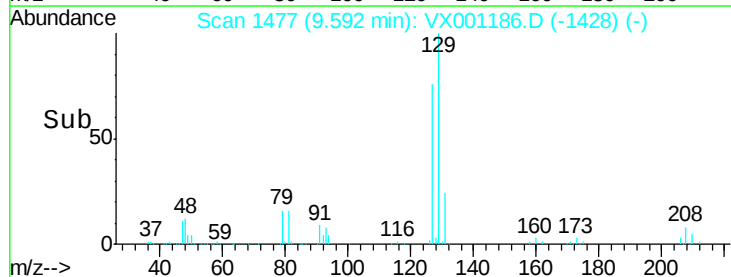
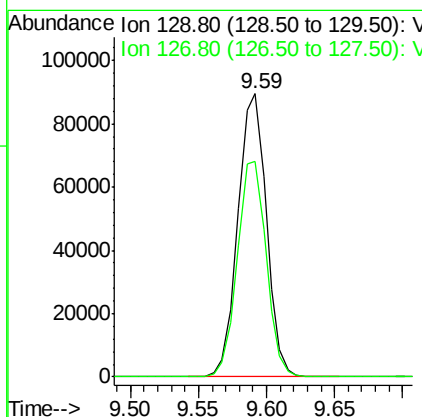
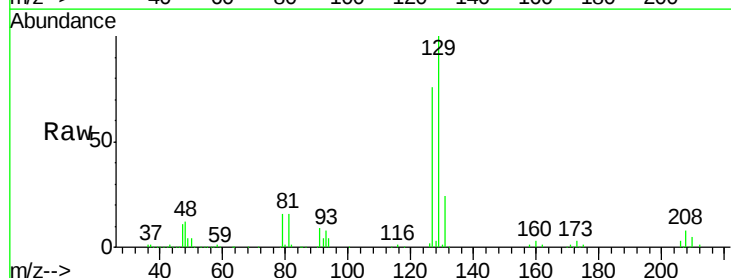
Manual Integrations
APPROVED

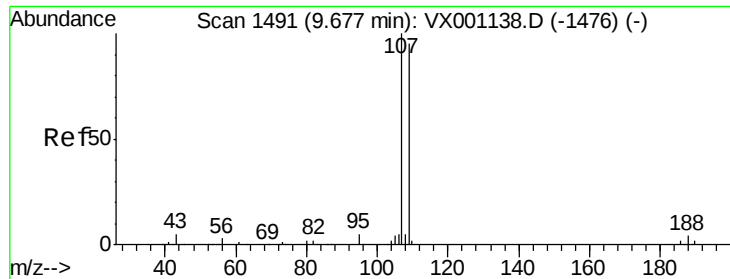
MMDadoda
4/30/2018 6:04:39 PM



#60
Dibromochloromethane
Concen: 47.12 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion: 129 Resp: 131098
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





#61

1,2-Dibromoethane

Concen: 52.45 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 131457

Ion Ratio Lower Upper

107 100

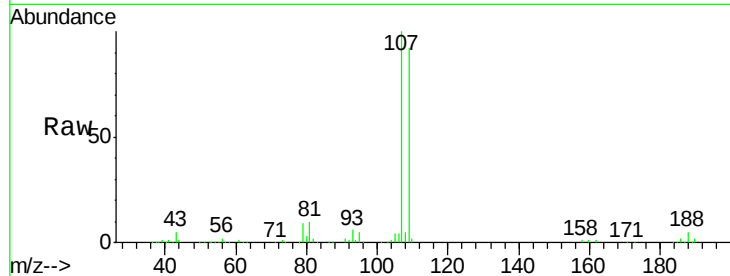
109 94.2 75.2 112.8

Manual Integrations

APPROVED

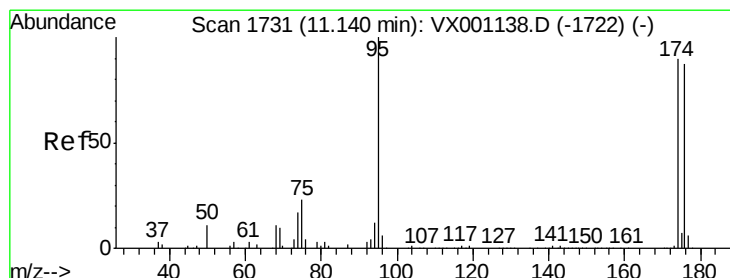
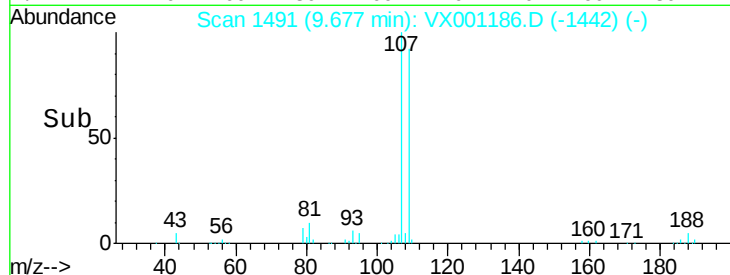
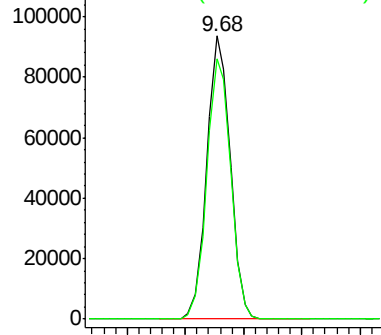
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

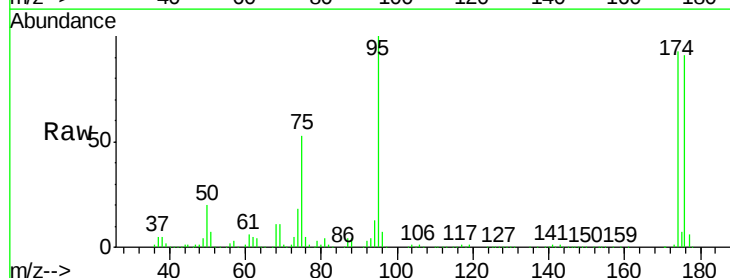
Tgt Ion: 95 Resp: 166298

Ion Ratio Lower Upper

95 100

174 99.9 0.0 194.4

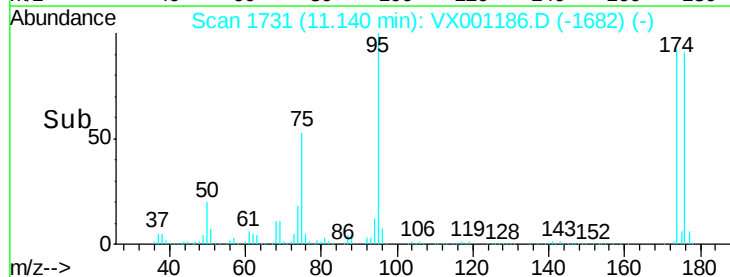
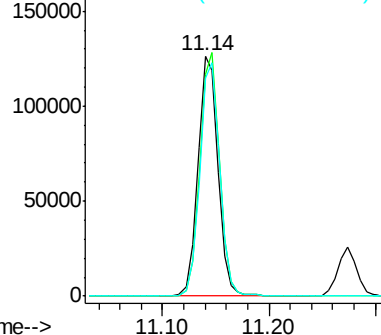
176 96.9 0.0 190.2

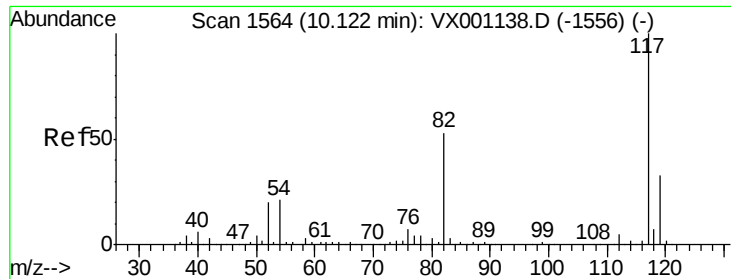


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





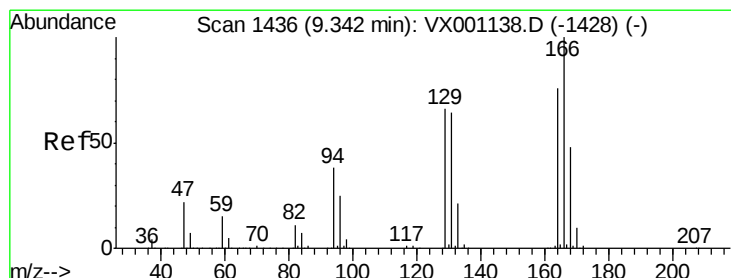
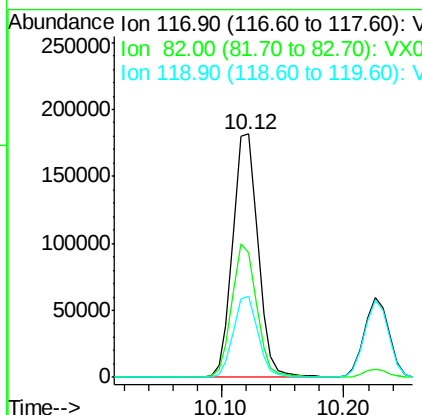
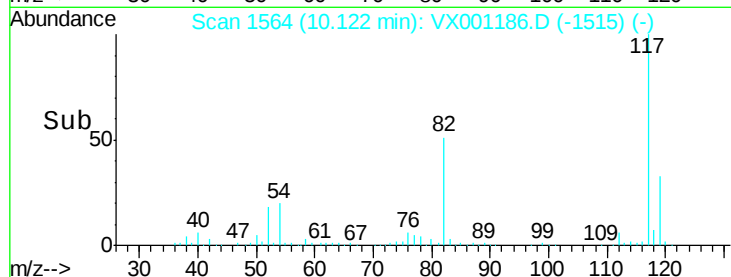
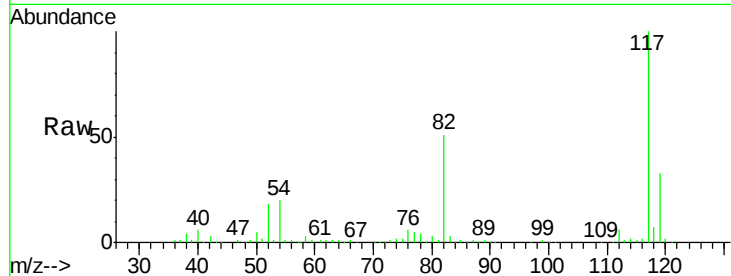
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	260841		
82	51.1	42.1	63.1	
119	33.3	26.1	39.1	

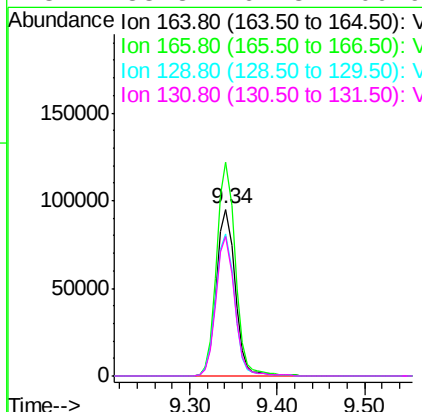
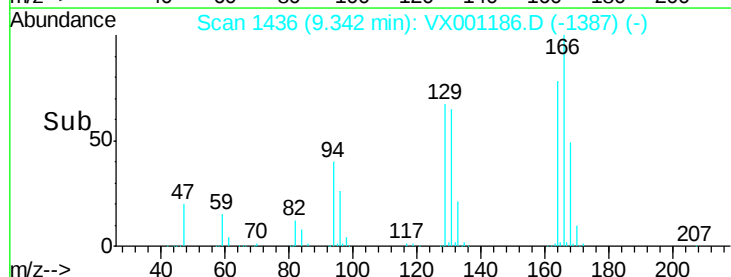
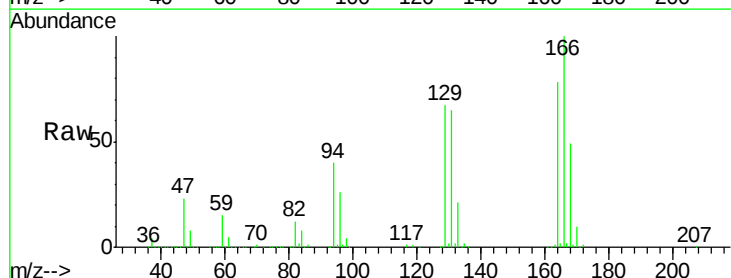
Manual Integrations
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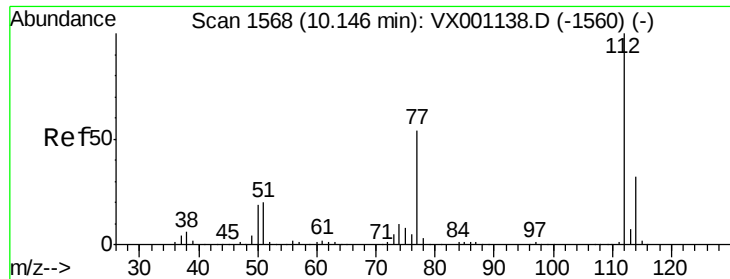
MMDadoda
4/30/2018 6:04:39 PM



#64
Tetrachloroethene
Concen: 50.77 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	141356		
166	128.0	105.0	157.6	
129	85.3	69.4	104.2	
131	83.3	67.3	100.9	





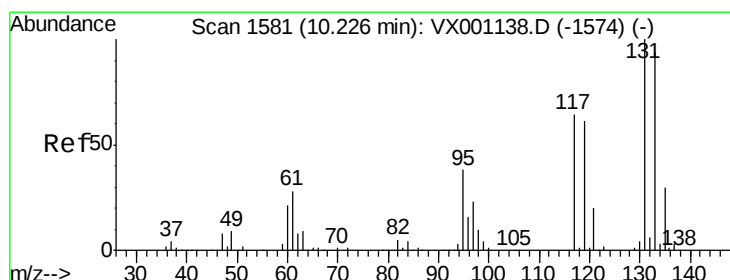
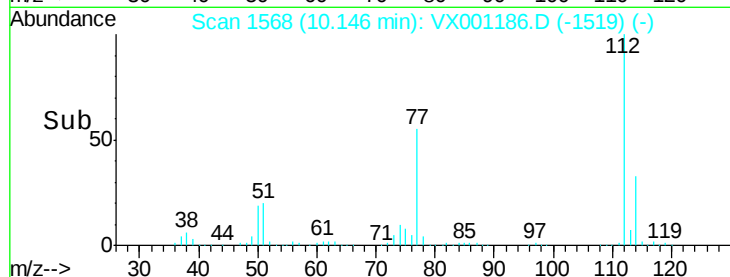
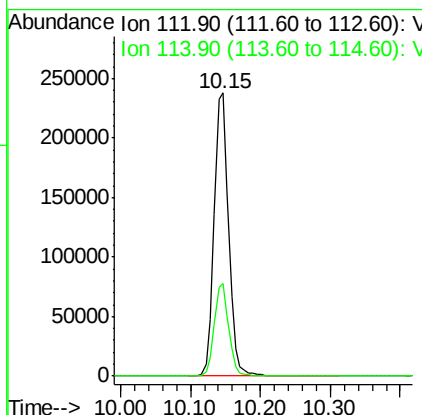
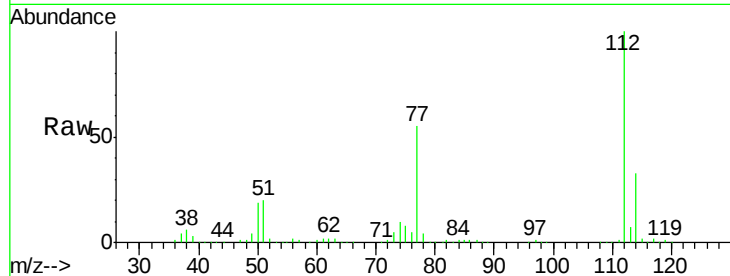
#65
Chlorobenzene
Concen: 50.19 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 343004
Ion Ratio Lower Upper
112 100
114 32.8 25.7 38.5

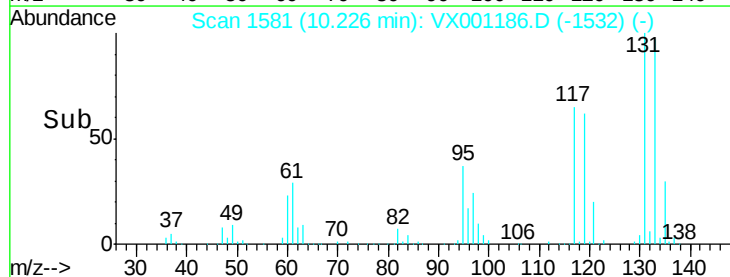
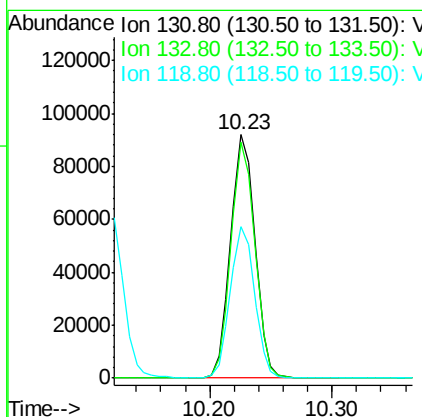
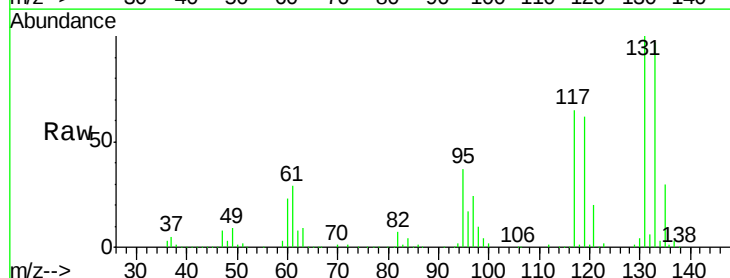
Manual Integrations
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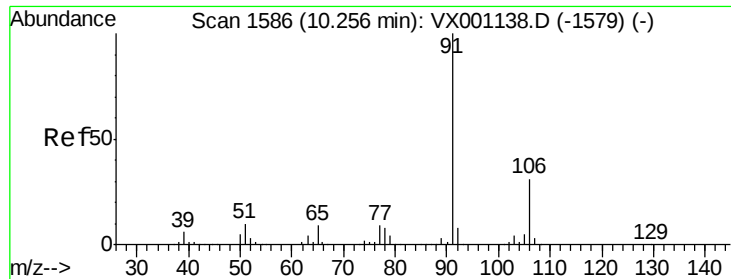
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.62 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion:131 Resp: 126771
Ion Ratio Lower Upper
131 100
133 95.2 47.8 143.4
119 62.5 31.3 93.8





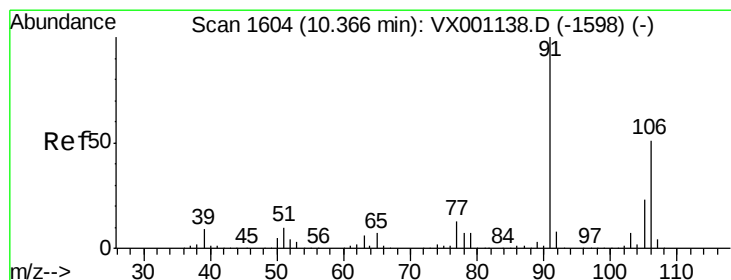
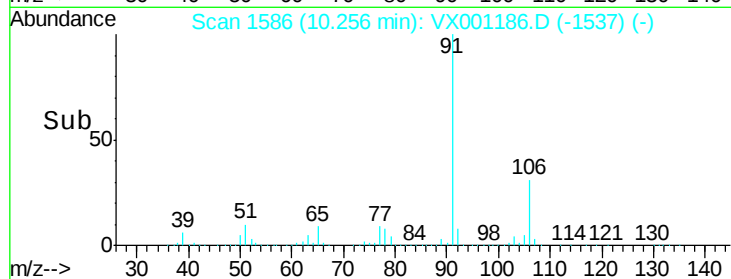
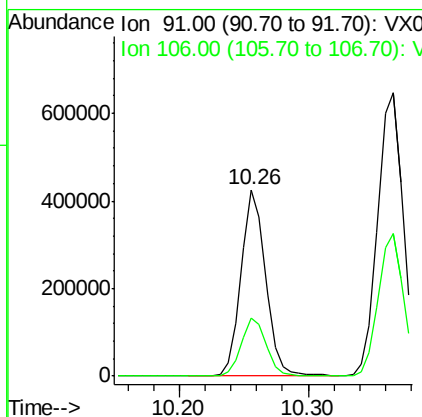
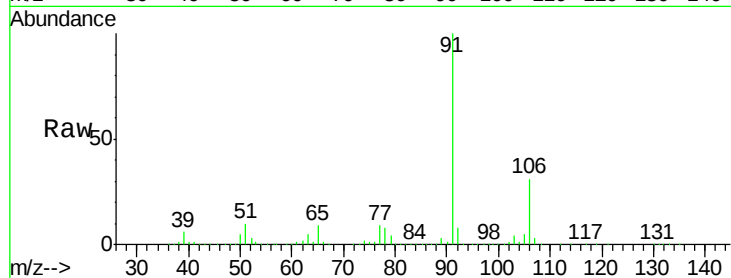
#67
Ethyl Benzene
Concen: 50.60 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 561862
Ion Ratio Lower Upper
91 100
106 30.9 24.8 37.2

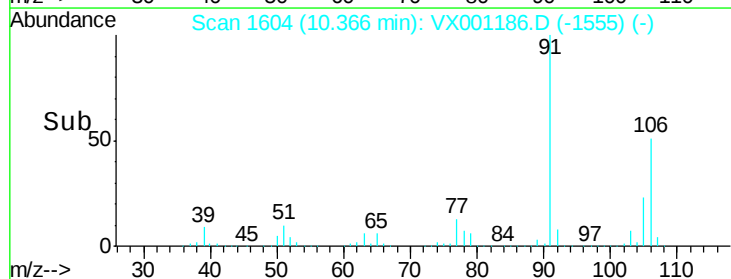
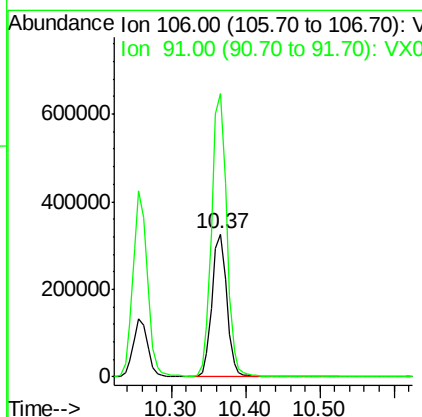
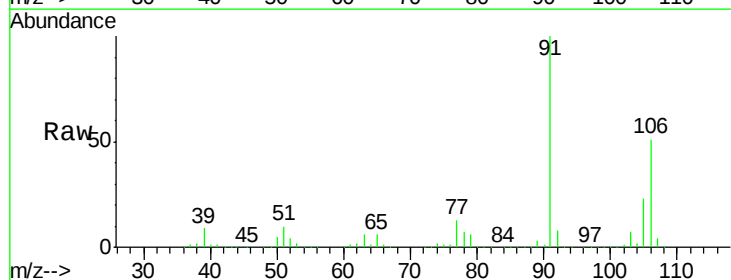
Manual Integrations
APPROVED

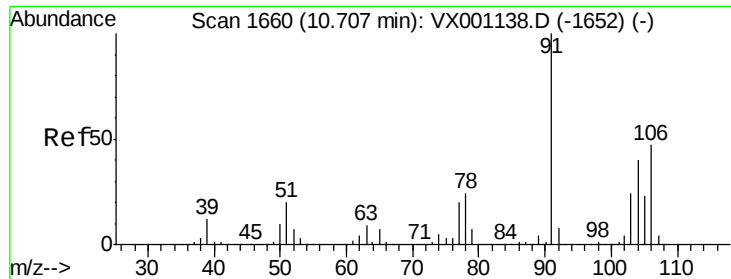
MMDadoda
4/30/2018 6:04:39 PM



#68
m/p-Xylenes
Concen: 102.16 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion: 106 Resp: 448431
Ion Ratio Lower Upper
106 100
91 201.1 160.9 241.3





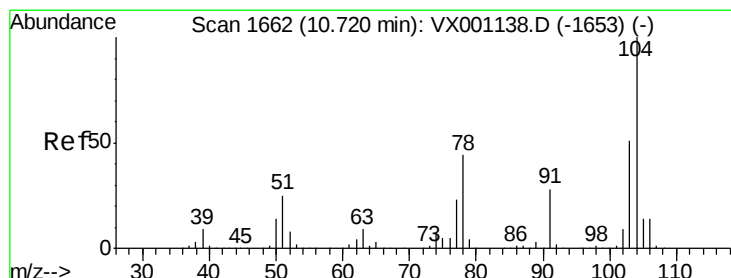
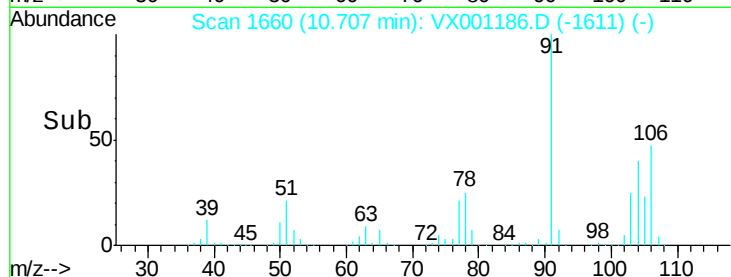
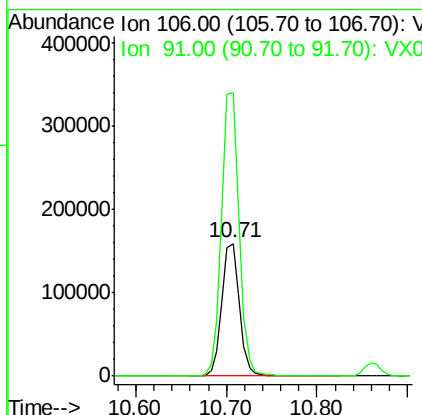
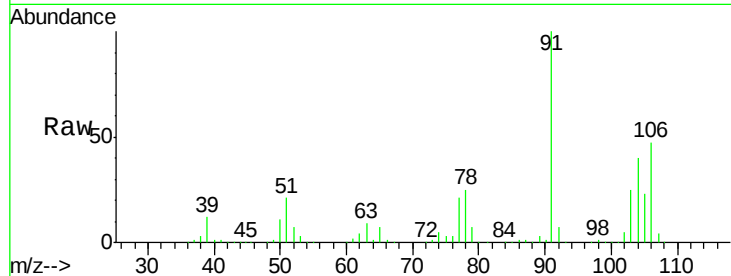
#69
o-Xylene
Concen: 51.02 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 217226
Ion Ratio Lower Upper
106 100
91 214.4 106.2 318.5

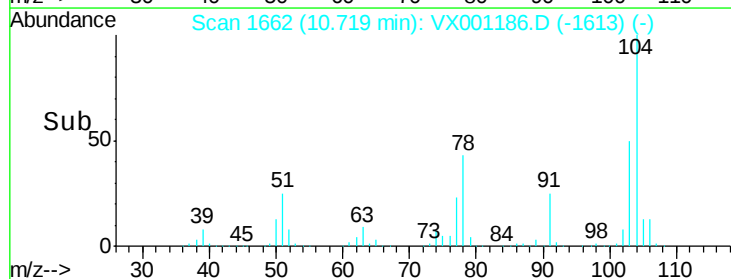
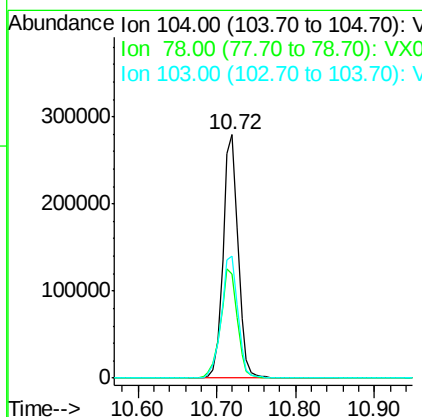
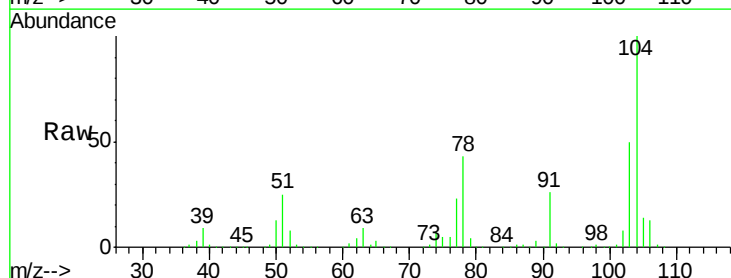
Manual Integrations
APPROVED

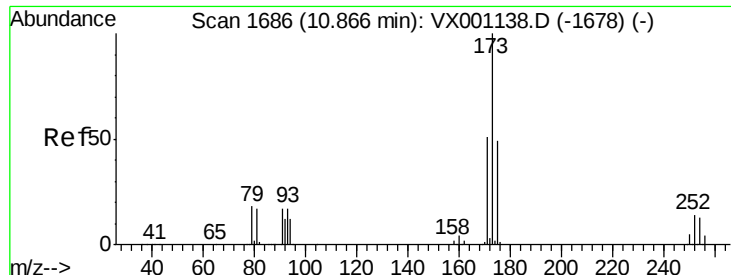
MMDadoda
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#70
Styrene
Concen: 52.04 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion:104 Resp: 368773
Ion Ratio Lower Upper
104 100
78 50.3 40.3 60.5
103 55.7 44.3 66.5





#71

Bromoform

Concen: 43.70 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 106955

Ion Ratio Lower Upper

173 100

175 48.6 24.6 73.8

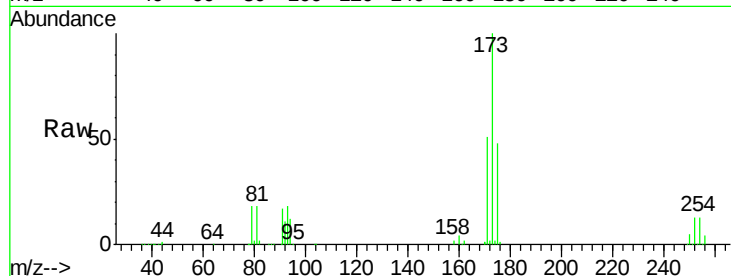
254 0.2 0.2 0.2

Manual Integrations

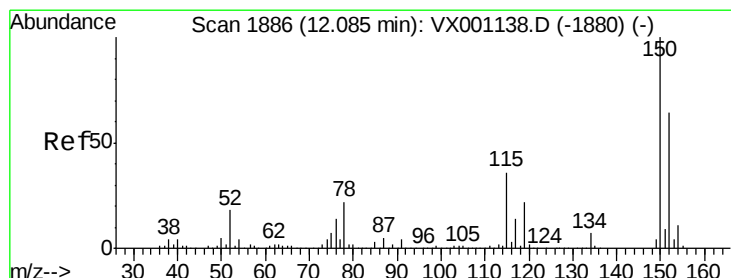
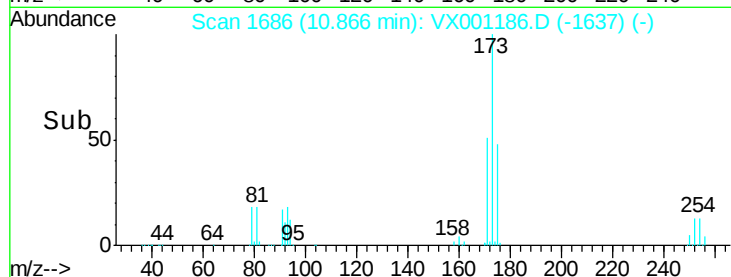
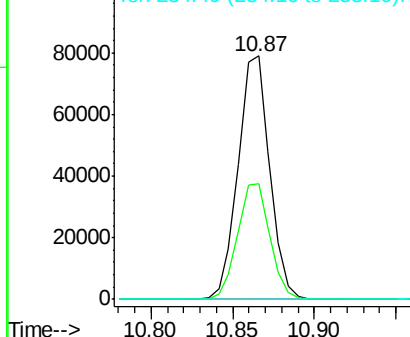
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

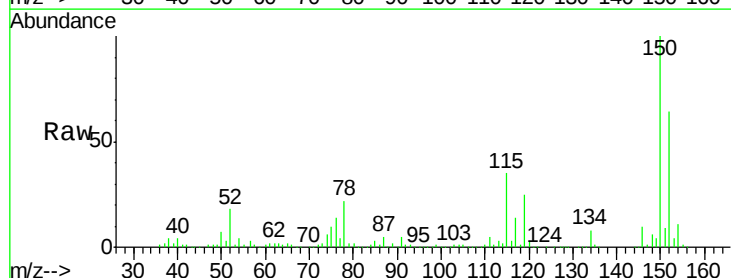
Tgt Ion:152 Resp: 182580

Ion Ratio Lower Upper

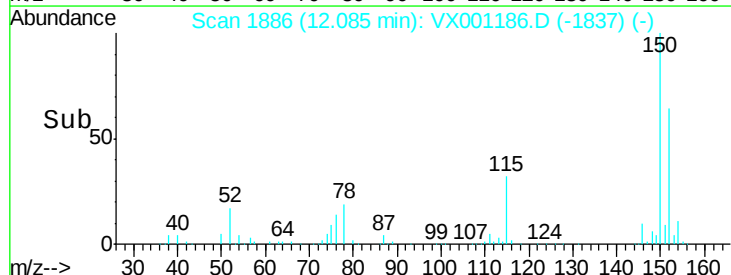
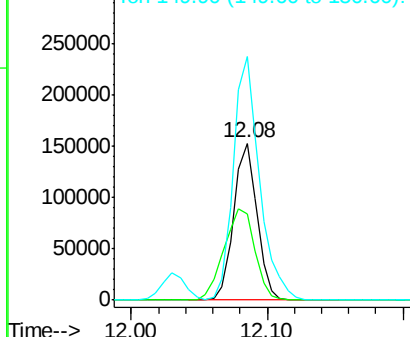
152 100

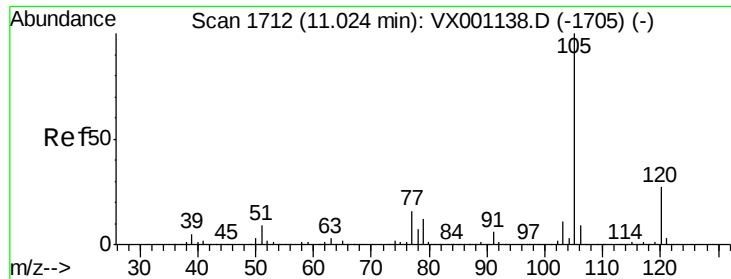
115 76.3 38.0 114.0

150 173.4 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: 48.34 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 575268

Ion Ratio Lower Upper

105 100

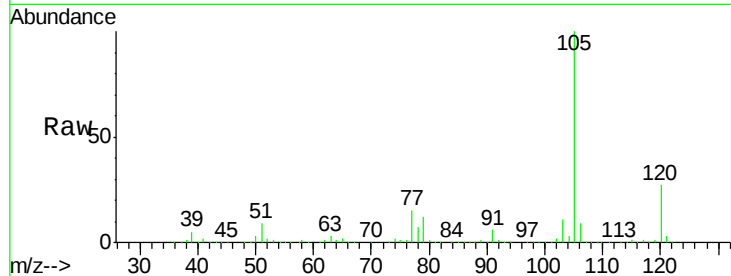
120 27.6 13.6 40.8

Manual Integrations

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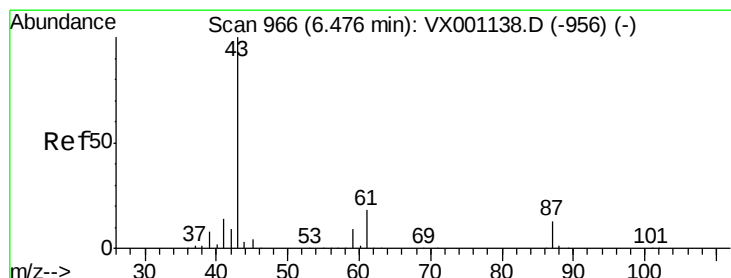
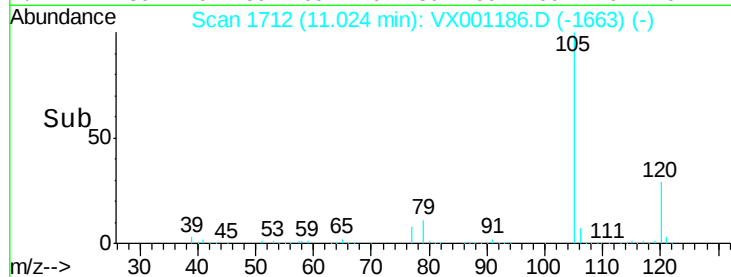
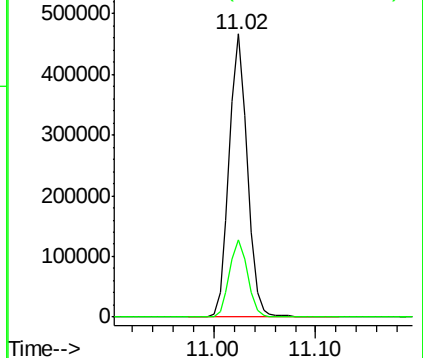
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.84 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Tgt Ion: 43 Resp: 268889

Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

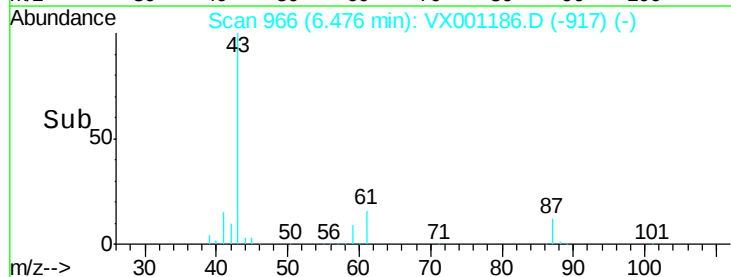
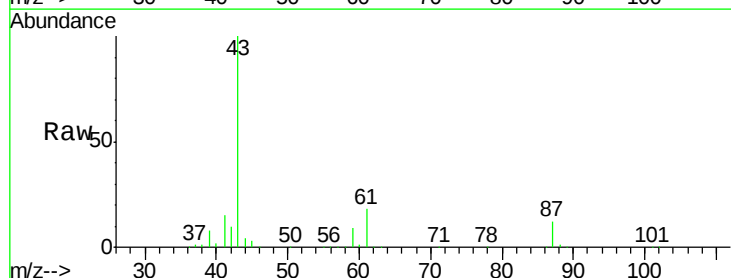
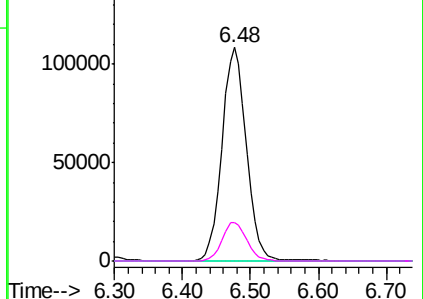
61 18.4 15.0 22.6

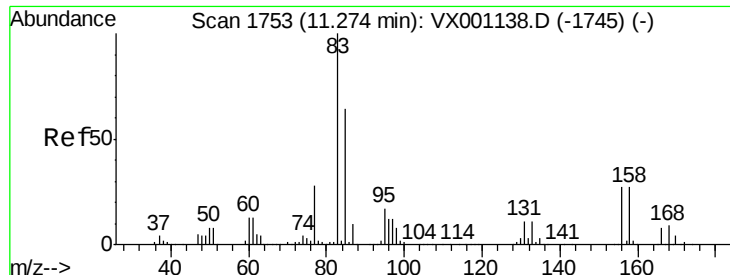
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.35 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 186959

Ion Ratio Lower Upper

83 100

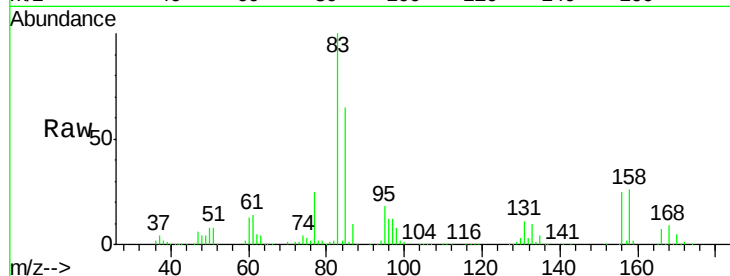
131 11.5 5.8 17.4

85 65.0 32.1 96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

11.27

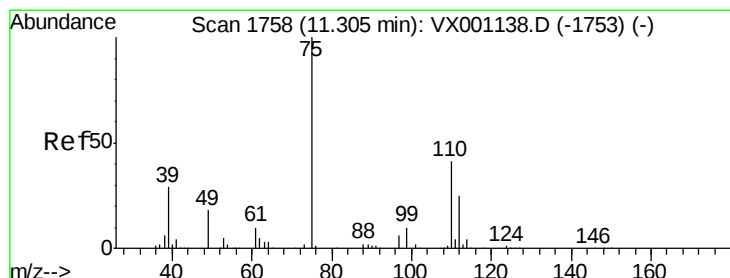
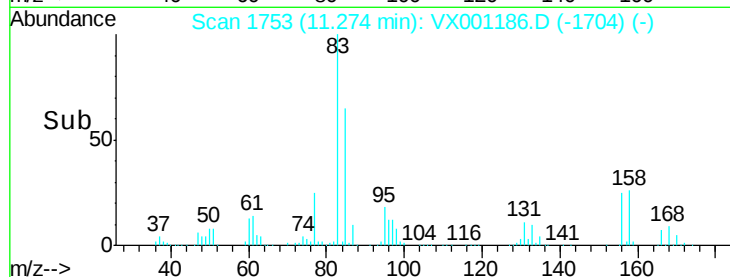
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.28 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VX001186.D

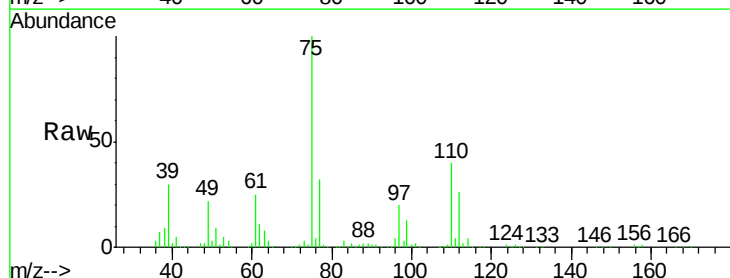
Acq: 27 Apr 2018 22:26

Tgt Ion: 75 Resp: 175767

Ion Ratio Lower Upper

75 100

77 36.8 18.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

200000

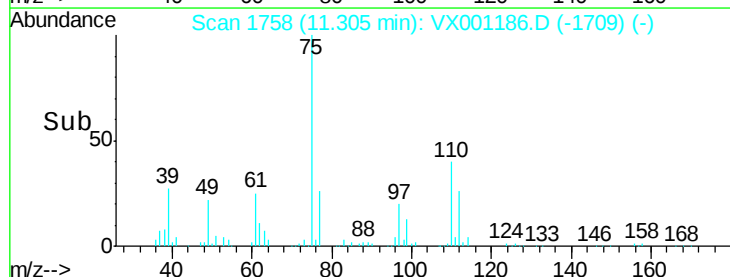
150000

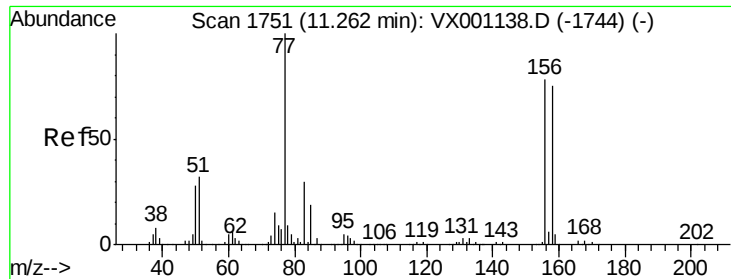
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 48.55 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

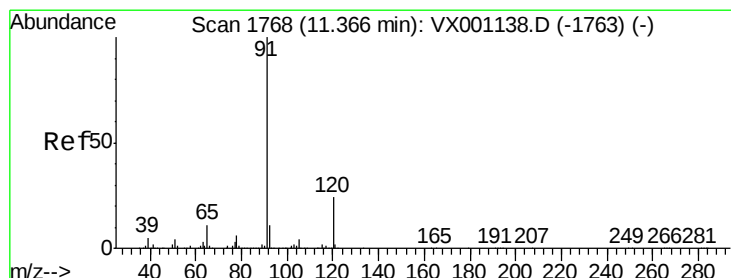
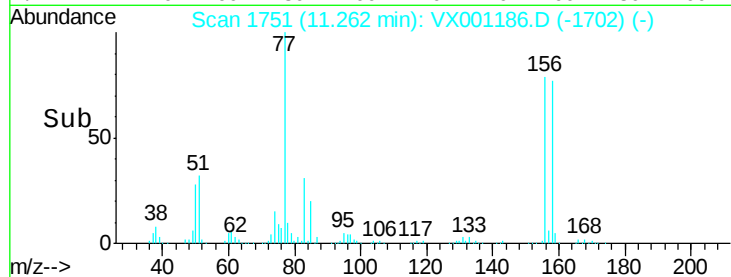
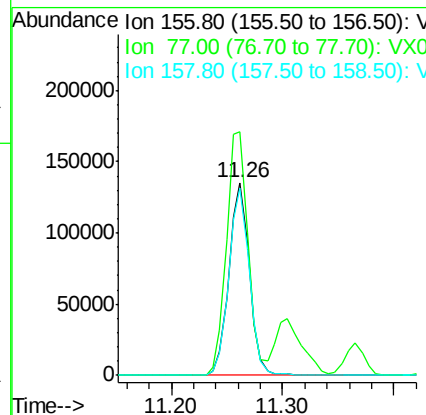
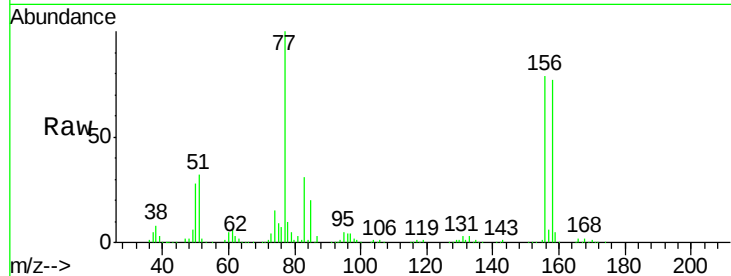
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		171342		
77	134.8	67.8	203.2		
158	98.0	48.9	146.7		

Manual Integrations
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#78

n-propylbenzene

Concen: 49.45 ug/l

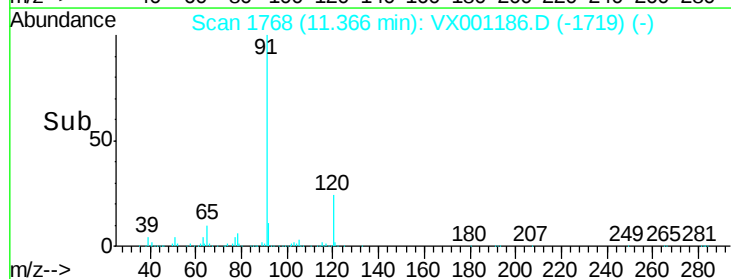
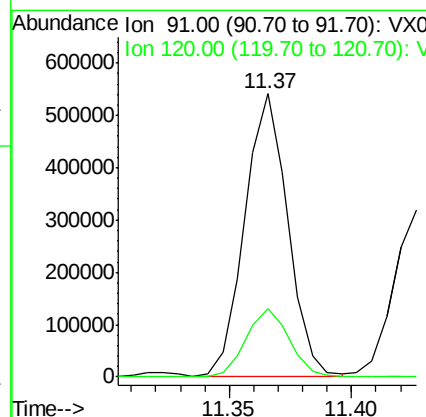
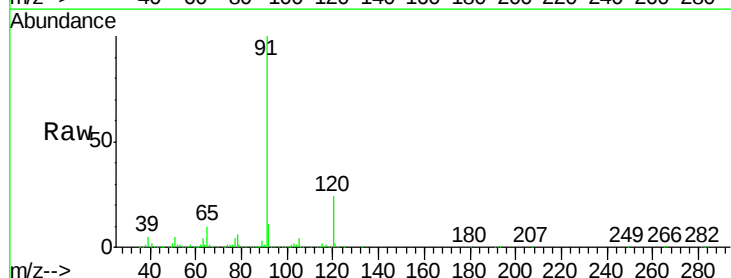
RT: 11.37 min Scan# 1768

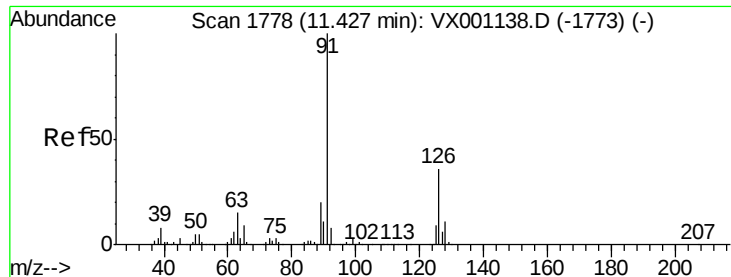
Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		656184		
120	24.5	12.2	36.6		





#79

2-Chlorotoluene

Concen: 48.15 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 396061

Ion Ratio Lower Upper

91 100

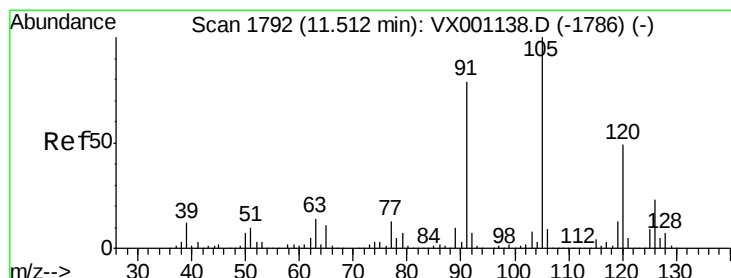
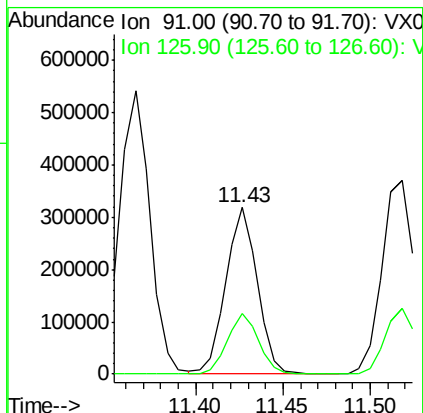
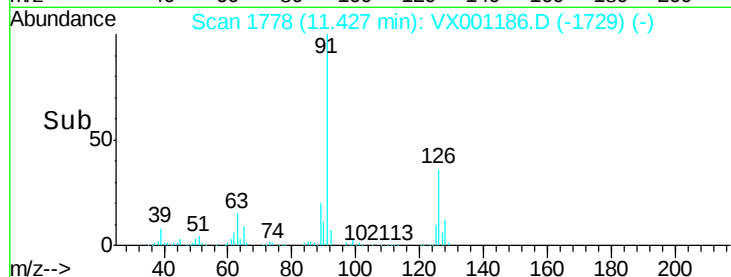
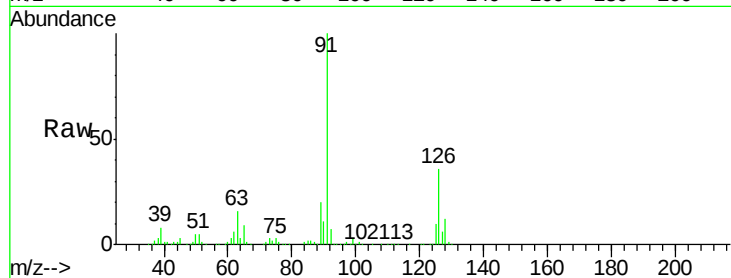
126 36.5 18.2 54.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.06 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX001186.D

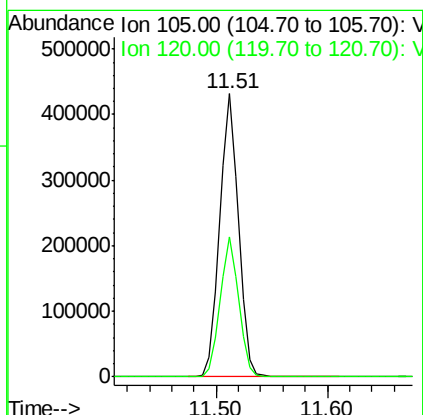
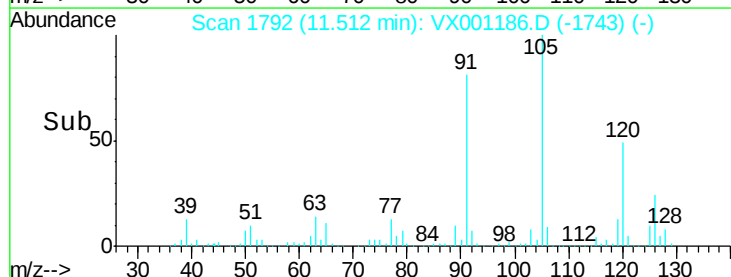
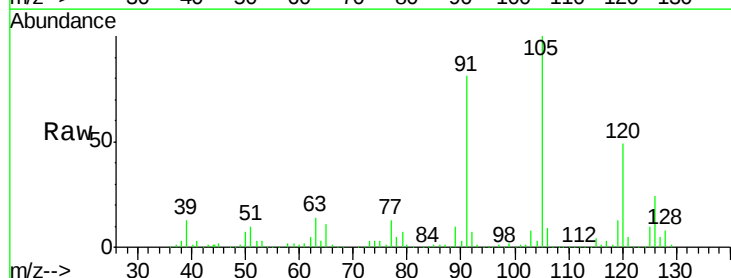
Acq: 27 Apr 2018 22:26

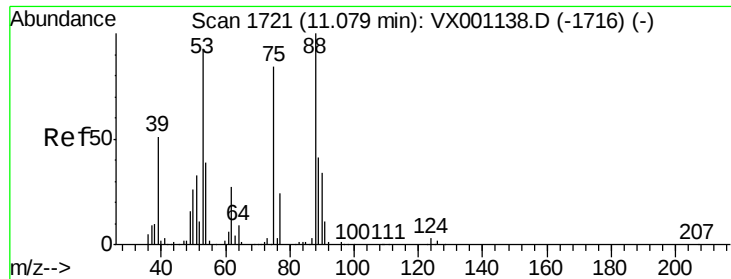
Tgt Ion: 105 Resp: 504360

Ion Ratio Lower Upper

105 100

120 48.9 24.6 74.0





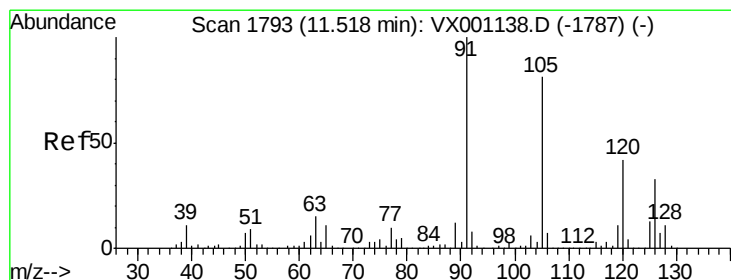
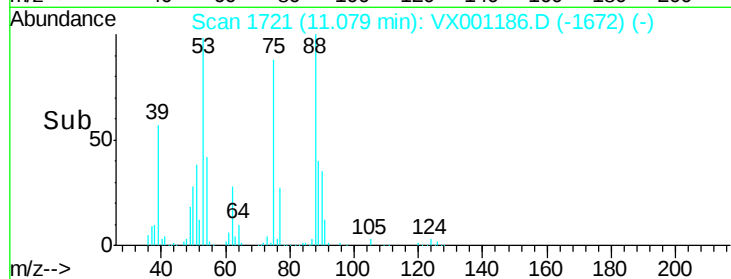
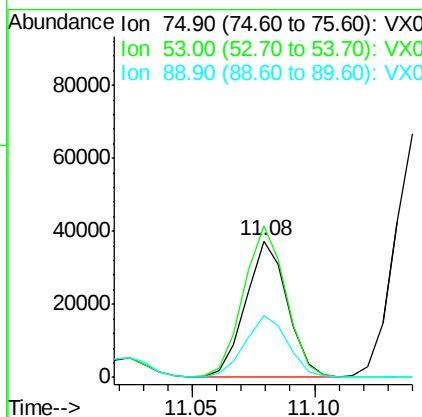
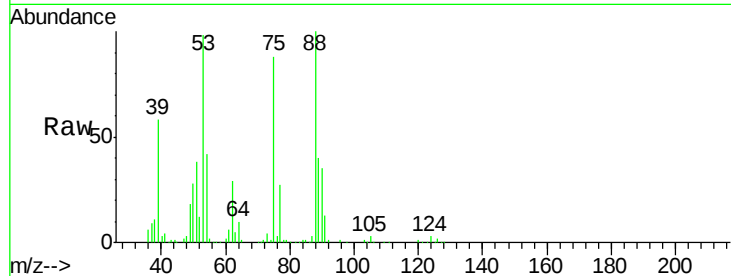
#81
trans-1,4-Dichloro-2-butene
Concen: 38.85 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.1	87.9	131.9
89	46.9	37.7	56.5

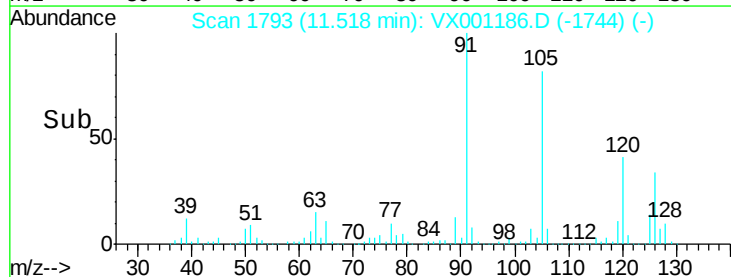
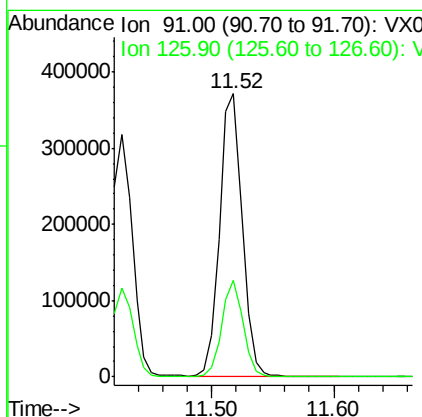
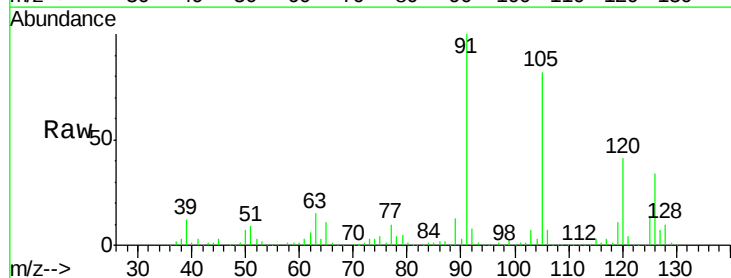
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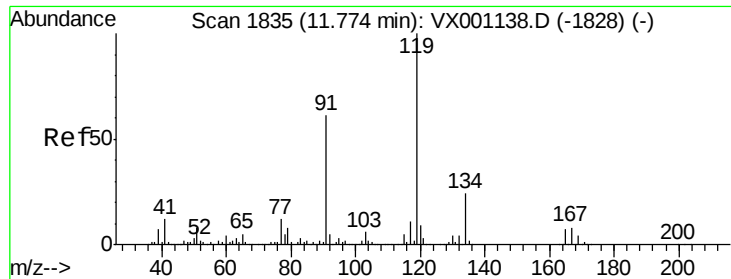
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#82
4-Chlorotoluene
Concen: 49.04 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.8	47.4





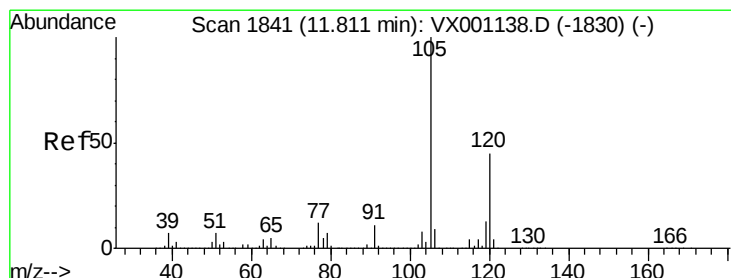
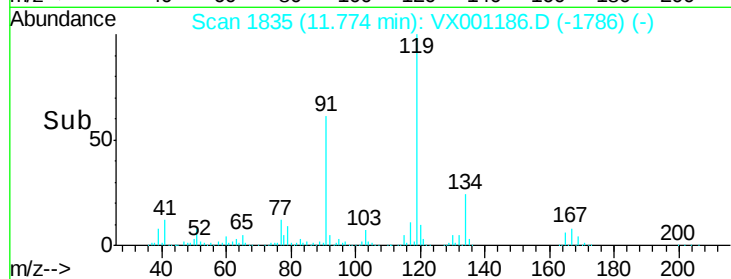
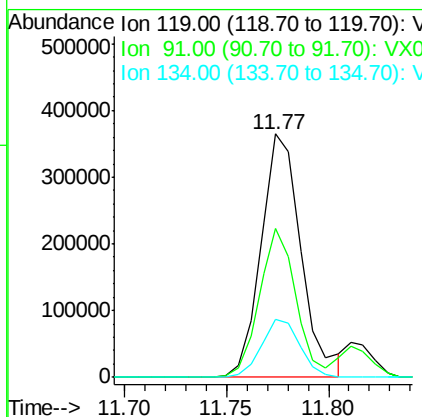
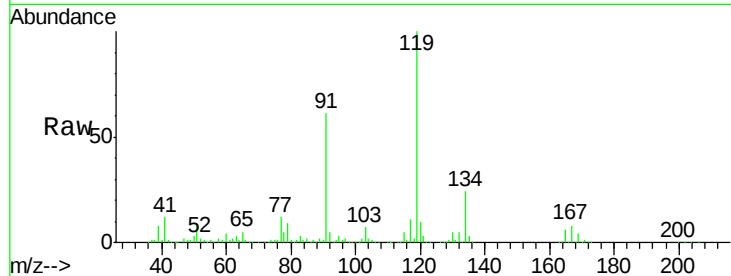
#83
 tert-Butylbenzene
 Concen: 49.55 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	498180		
91	55.8	27.6	82.8	
134	23.2	11.5	34.5	

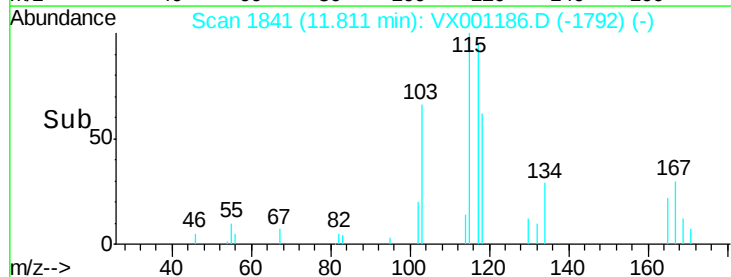
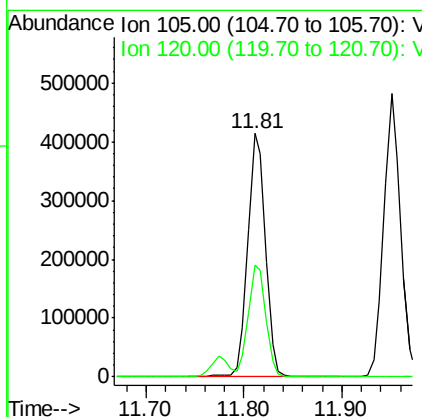
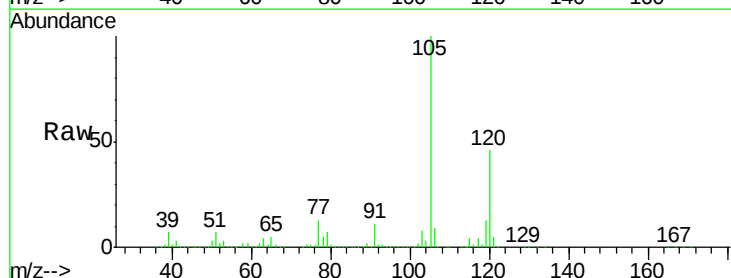
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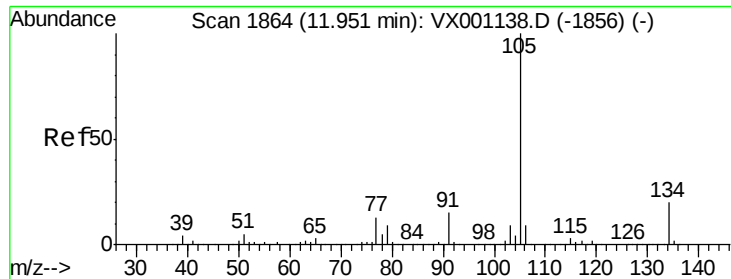
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.19 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	519755		
120	45.6	22.4	67.3	





#85

sec-Butylbenzene

Concen: 49.05 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 576079

Ion Ratio Lower Upper

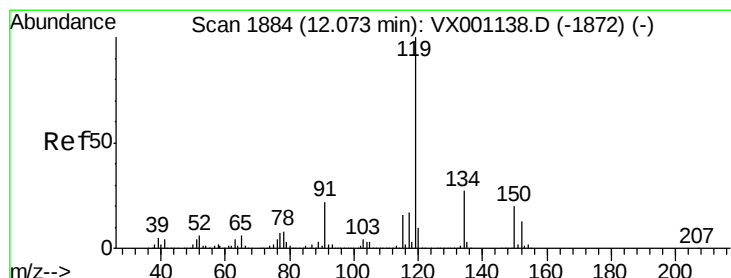
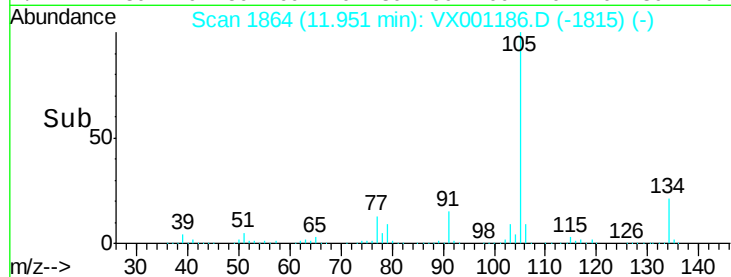
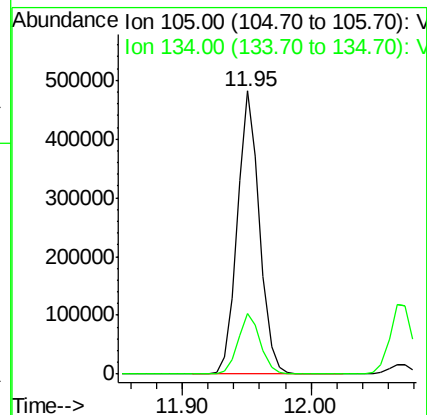
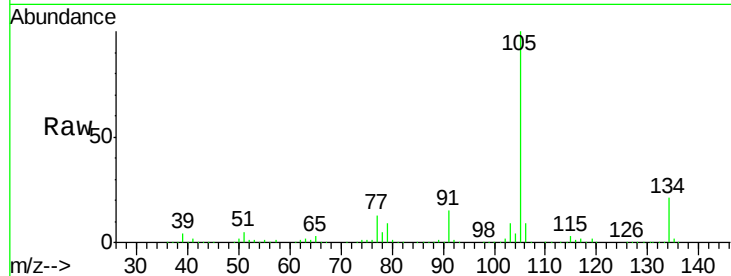
105 100

134 21.3 10.5 31.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.29 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

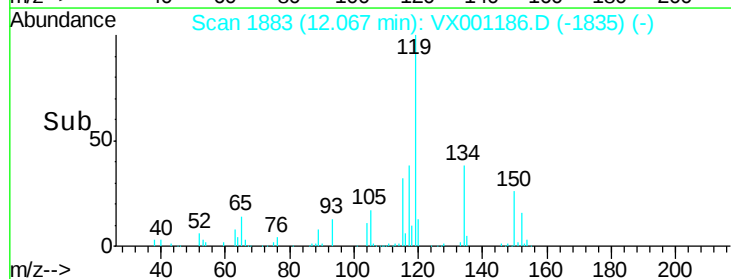
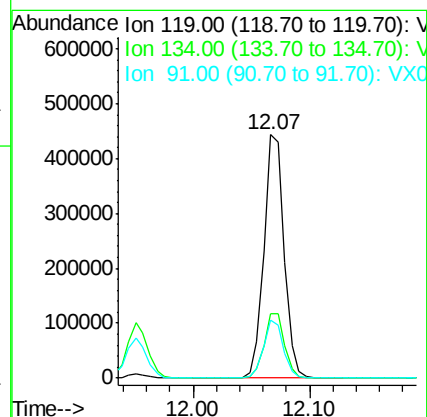
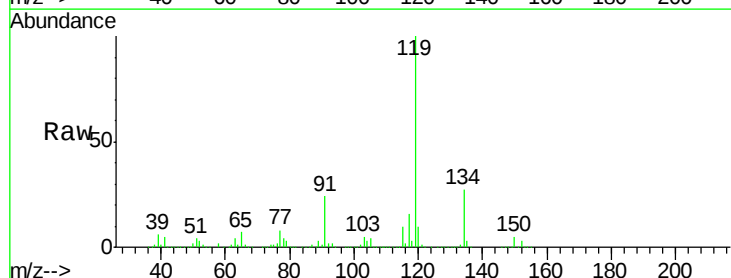
Tgt Ion:119 Resp: 538578

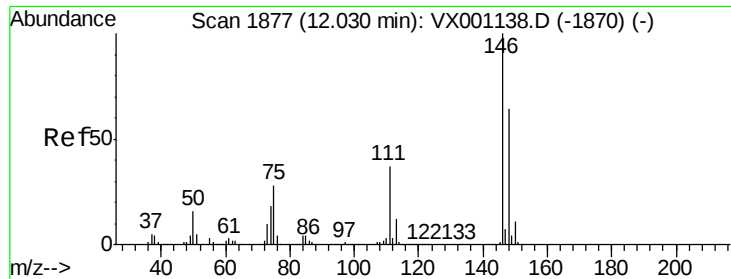
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 23.3 11.6 34.8





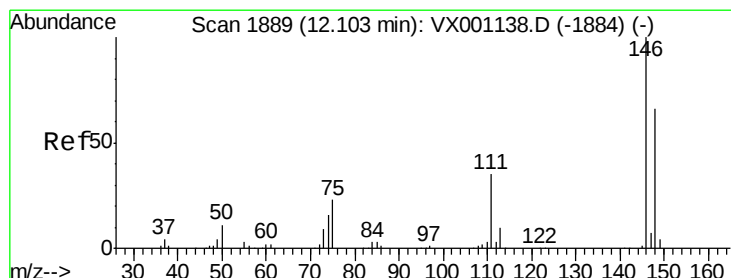
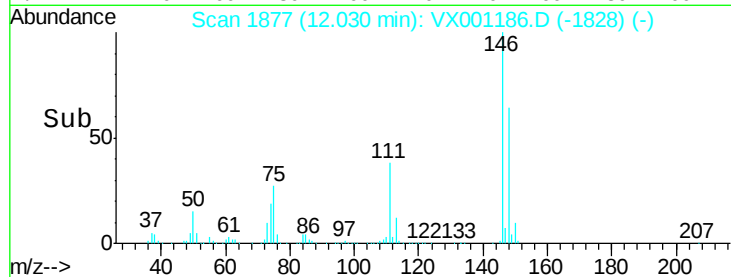
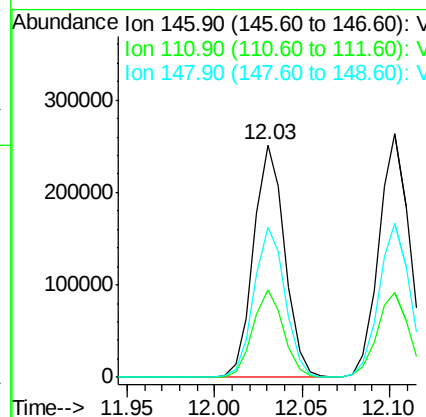
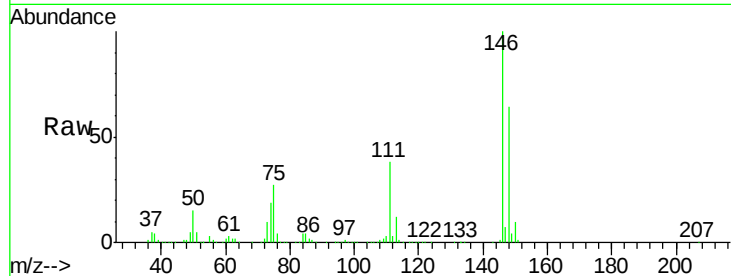
#87
 1,3-Dichlorobenzene
 Concen: 49.16 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	56.0
148	64.6	32.3	96.8

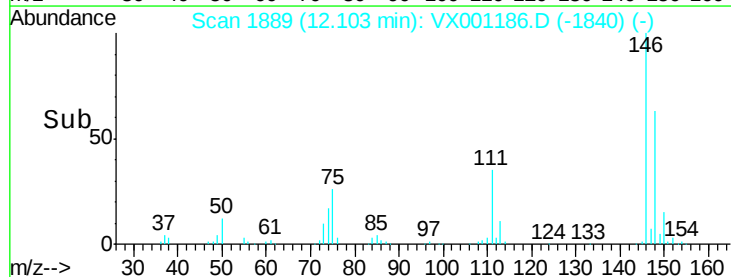
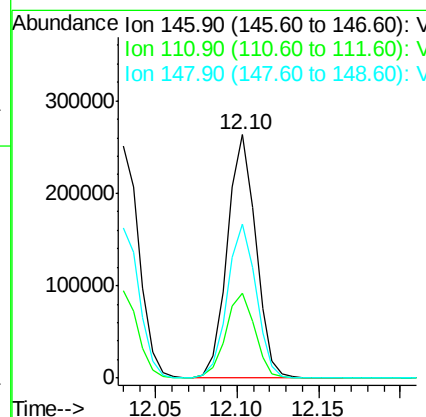
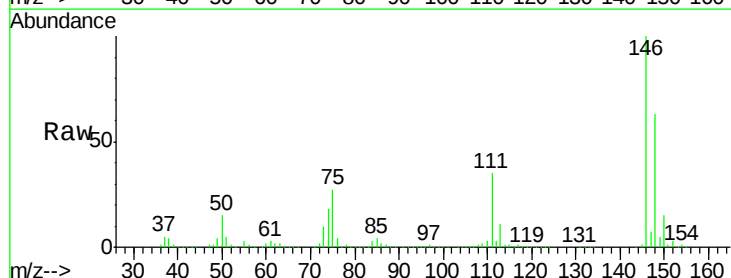
Manual Integrations
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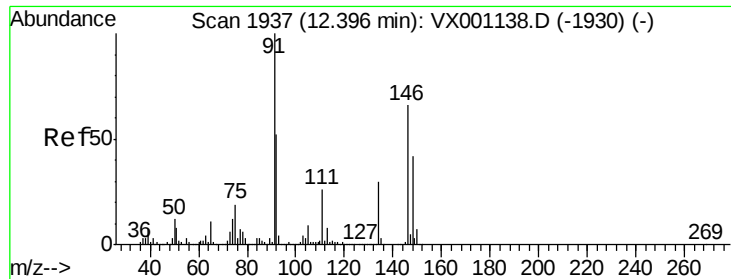
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#88
 1,4-Dichlorobenzene
 Concen: 48.49 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	63.9	32.5	97.5





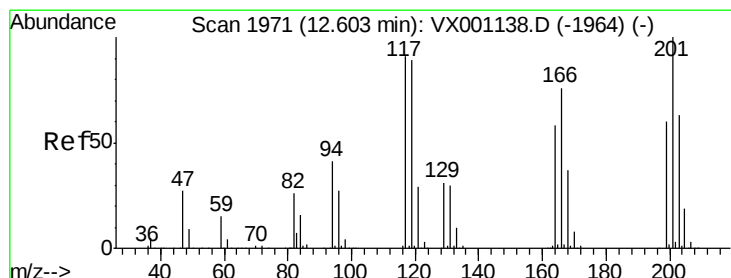
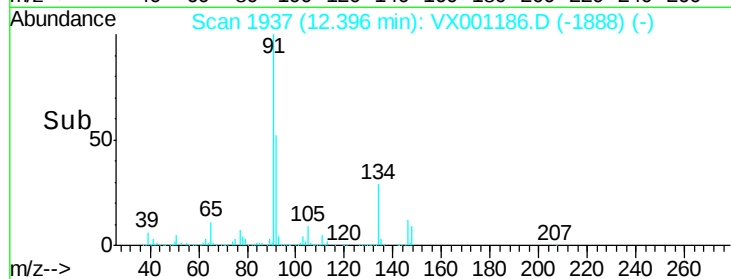
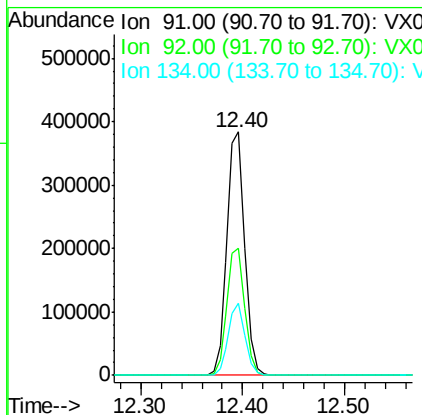
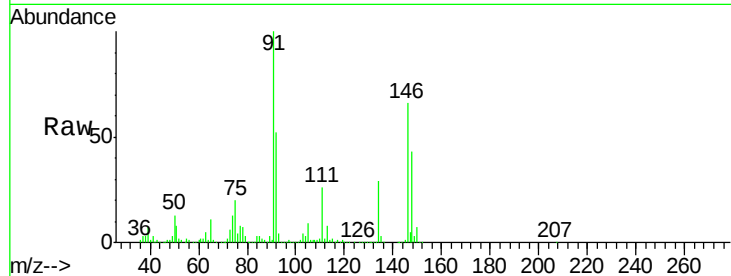
#89
n-Butylbenzene
Concen: 48.58 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	28.0	14.1	42.3

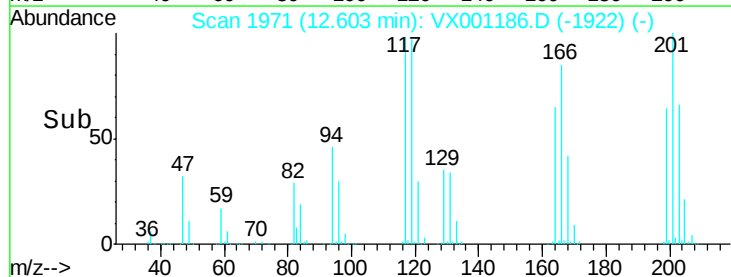
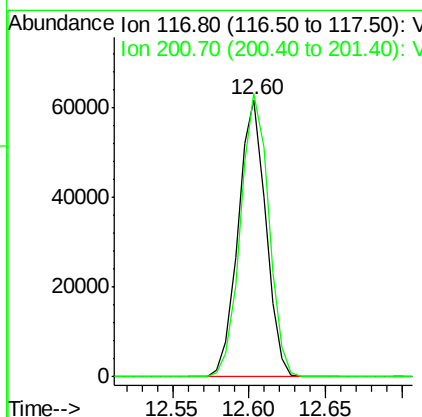
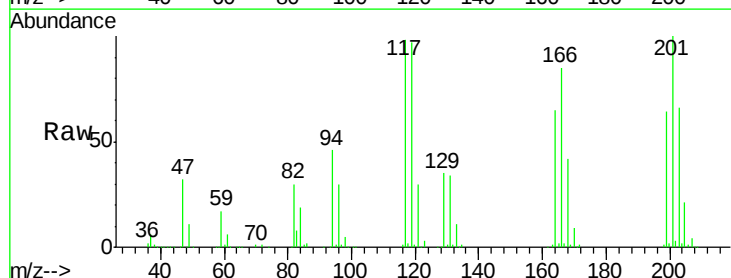
Manual Integrations
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#90
Hexachloroethane
Concen: 44.38 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001186.D
Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.7	51.8	155.4





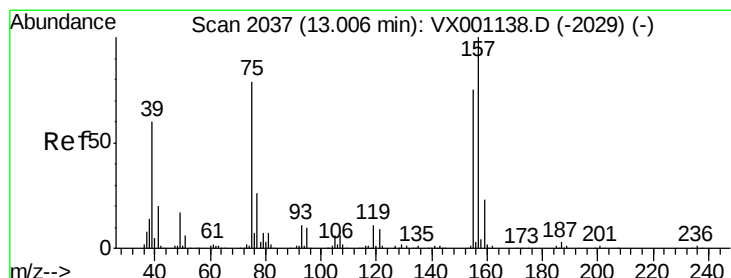
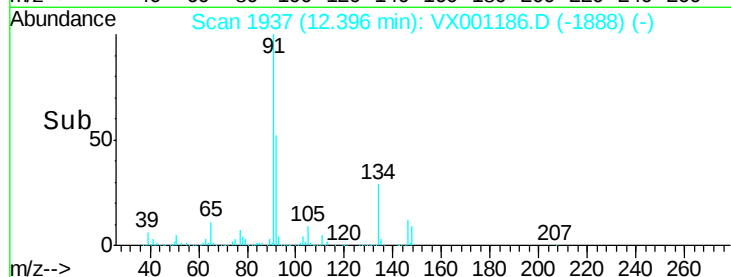
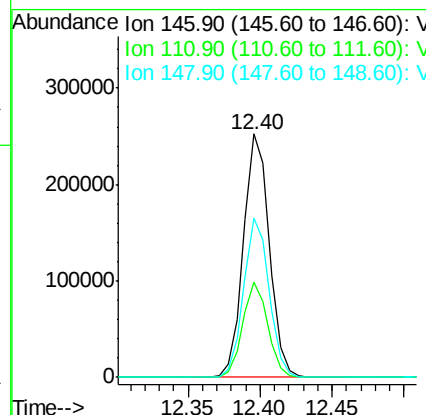
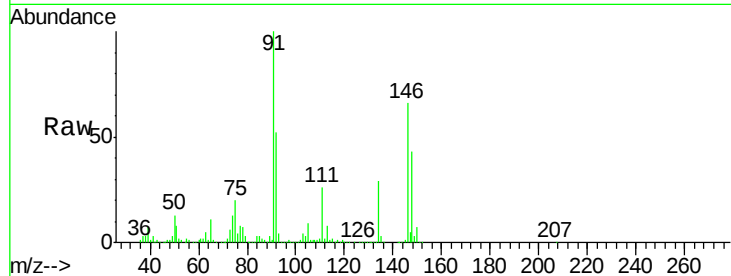
#91
 1,2-Dichlorobenzene
 Concen: 49.14 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.3
148	64.6	32.2	96.6

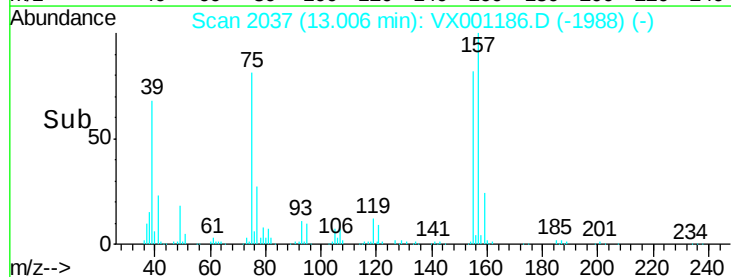
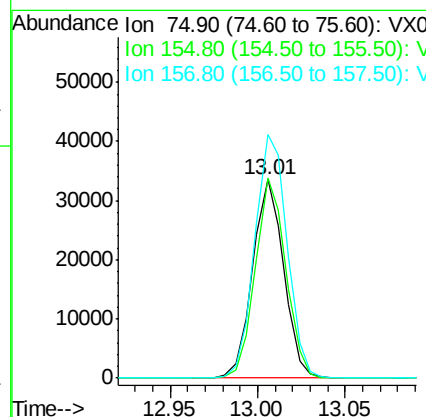
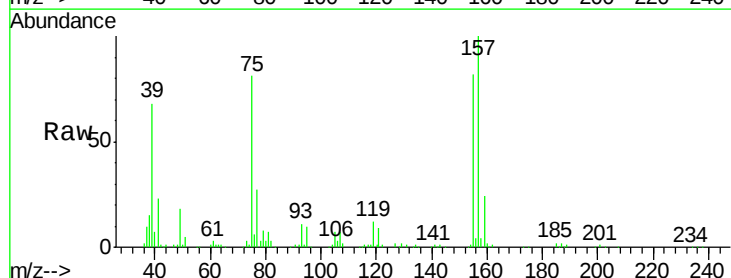
Manual Integrations
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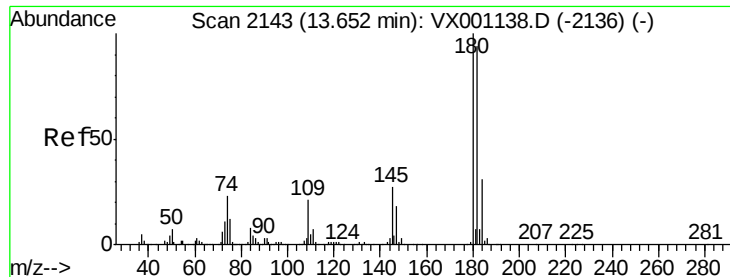
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.38 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX001186.D
 Acq: 27 Apr 2018 22:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	48.4	145.3
157	127.9	62.7	188.1





#93

1,2,4-Trichlorobenzene

Concen: 47.63 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

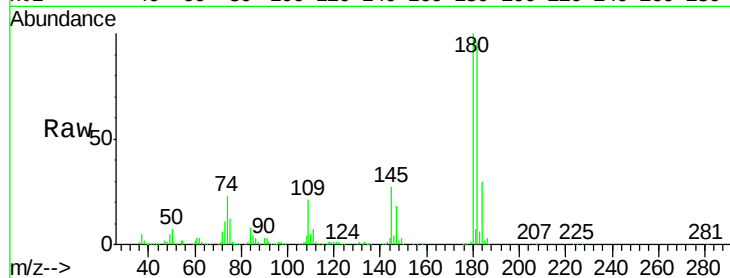
ClientSampleId :

VSTDCCC050

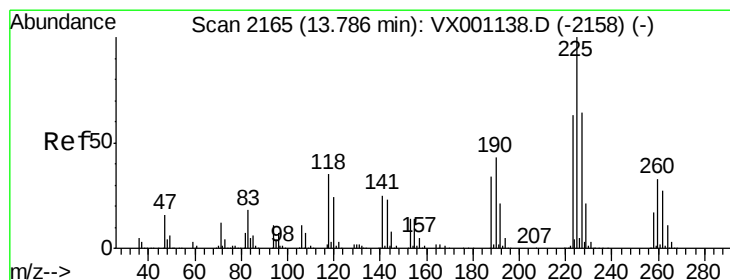
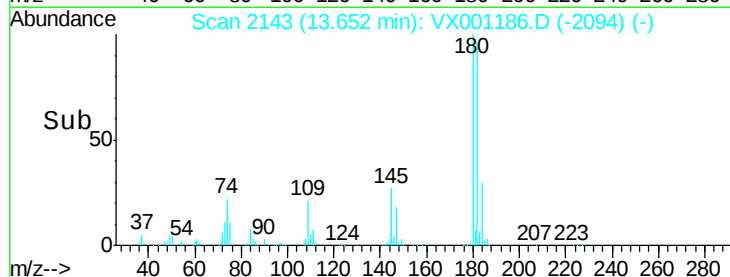
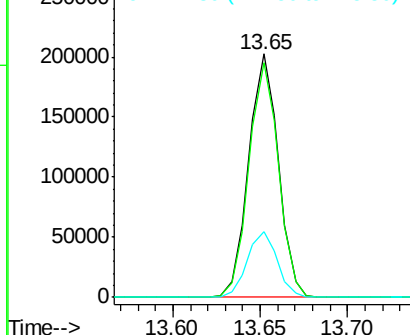
Tot Ion:	180	Resp:	239082
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.9	143.6
145	27.3	13.8	41.4

Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:04:39 PM



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



#94

Hexachlorobutadiene

Concen: 45.06 ug/l

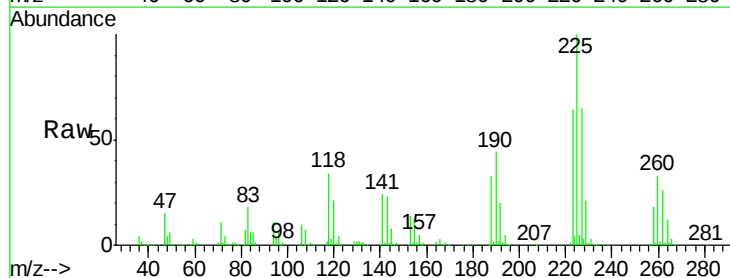
RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

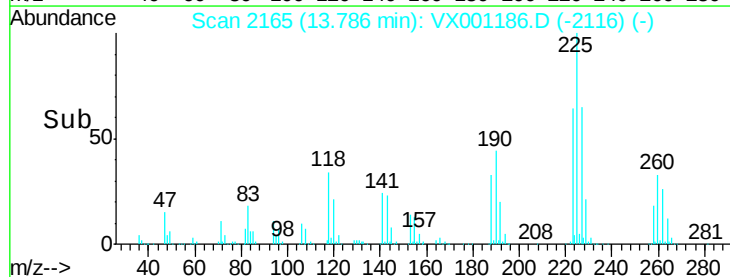
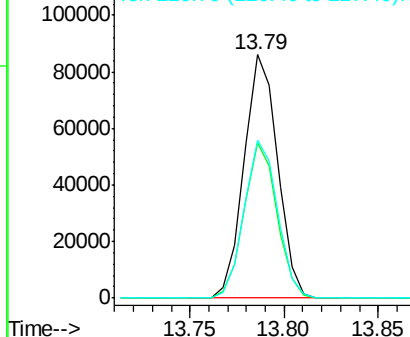
Lab File: VX001186.D

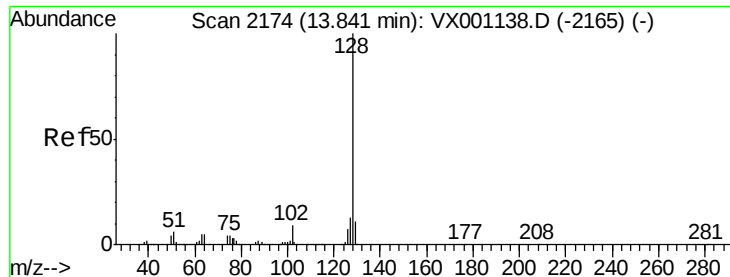
Acq: 27 Apr 2018 22:26

Tgt Ion:	225	Resp:	106326
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.3	93.9
227	64.6	32.2	96.6



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





#95

Naphthalene

Concen: 48.12 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001186.D

Acq: 27 Apr 2018 22:26

Instrument :

MSVOA_X

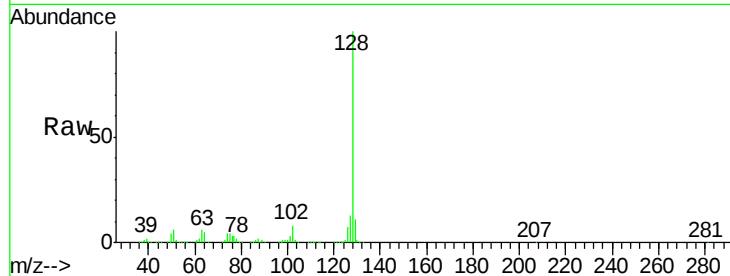
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	673088
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	11.0	8.8	13.2

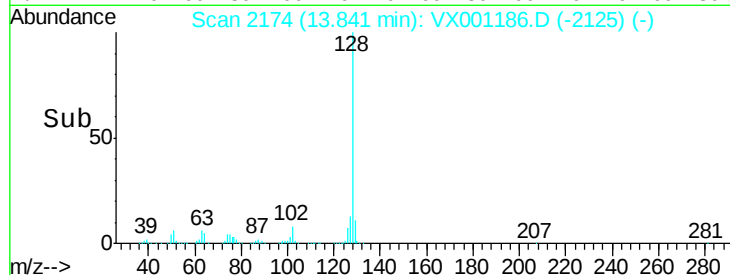
Manual Integrations
APPROVED

MMDadoda
4/30/2018 6:04:39 PM

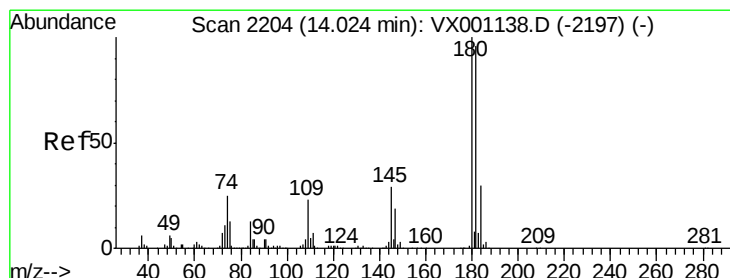


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

13.84



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 47.68 ug/l

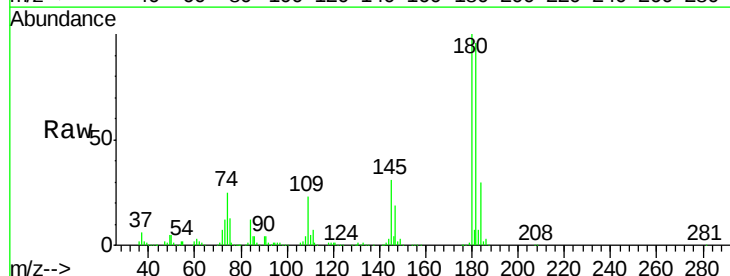
RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX001186.D

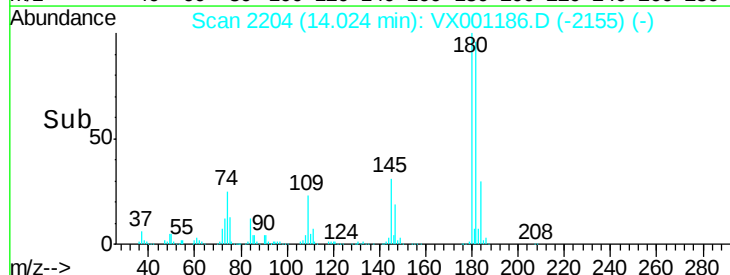
Acq: 27 Apr 2018 22:26

Tgt Ion:	180	Resp:	238198
Ion Ratio	Lower	Upper	
180	100		
182	97.1	48.2	144.6
145	29.3	14.5	43.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

14.02



Time-->