

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002037.D
 Acq On : 26 May 2018 23:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:11 PM

Quant Time: May 28 03:52:05 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	235335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208825	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
35) Dibromofluoromethane	5.51	113	163392	44.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.64%	
50) Toluene-d8	8.72	98	610644	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	
62) 4-Bromofluorobenzene	11.14	95	238361	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	152640	46.88	ug/l	97
3) Chloromethane	1.32	50	185738	46.53	ug/l	100
4) Vinyl Chloride	1.41	62	188240	48.84	ug/l	100
5) Bromomethane	1.64	94	101900	57.58	ug/l	99
6) Chloroethane	1.72	64	118729	52.25	ug/l	99
7) Trichlorofluoromethane	1.93	101	300272	51.87	ug/l	96
8) Diethyl Ether	2.19	74	111518	53.10	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	164215	50.84	ug/l	99
10) Methyl Iodide	2.51	142	223790	51.20	ug/l	98
11) Tert butyl alcohol	3.09	59	241989	265.81	ug/l	98
12) 1,1-Dichloroethene	2.37	96	152776	50.52	ug/l	97
13) Acrolein	2.30	56	68636	174.38	ug/l	98
14) Allyl chloride	2.73	41	319481	50.33	ug/l	99
15) Acrylonitrile	3.15	53	493380	263.55	ug/l	99
16) Acetone	2.45	43	476835	266.41	ug/l	97
17) Carbon Disulfide	2.57	76	413635	47.52	ug/l	99
18) Methyl Acetate	2.78	43	254842	59.32	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	599405	52.70	ug/l	100
20) Methylene Chloride	2.86	84	173300	56.12	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	163538	55.73	ug/l	96
22) Diisopropyl ether	3.88	45	626764	48.54	ug/l	99
23) Vinyl Acetate	3.83	43	2632899	245.93	ug/l	99
24) 1,1-Dichloroethane	3.70	63	311475	50.78	ug/l	99
25) 2-Butanone	4.71	43	751866	229.19	ug/l	99
26) 2,2-Dichloropropane	4.59	77	201340	32.43	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	184420	46.77	ug/l	94
28) Bromochloromethane	5.03	49	137391	53.45	ug/l	99
29) Tetrahydrofuran	5.17	42	486615	227.99	ug/l	99
30) Chloroform	5.22	83	321443	46.52	ug/l	99
31) Cyclohexane	5.58	56	280658	43.92	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	294177	45.66	ug/l	100
36) 1,1-Dichloropropene	5.81	75	231772	45.20	ug/l	99
37) Ethyl Acetate	4.87	43	296249	44.31	ug/l	100
38) Carbon Tetrachloride	5.79	117	261973	43.81	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	277017	43.97	ug/l	98
40) Benzene	6.15	78	699178	46.54	ug/l	99
41) Methacrylonitrile	5.07	41	167827	47.51	ug/l	99
42) 1,2-Dichloroethane	6.20	62	274851	45.80	ug/l	100
43) Isopropyl Acetate	6.47	43	501880	45.06	ug/l	100
44) Trichloroethene	7.22	130	196728	44.94	ug/l	99
45) 1,2-Dichloropropane	7.52	63	190323	46.65	ug/l	99
46) Dibromomethane	7.67	93	125503	46.46	ug/l	99
47) Bromodichloromethane	7.90	83	255558	44.37	ug/l	99
48) Methyl methacrylate	7.78	41	254391	44.87	ug/l	98
49) 1,4-Dioxane	7.76	88	93850	939.43	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1567089	233.38	ug/l	100
52) Toluene	8.79	92	445070	46.55	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	287357	43.32	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	281253	43.51	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	184740	46.26	ug/l	98
56) Ethyl methacrylate	9.19	69	308150	44.86	ug/l	99
57) 1,3-Dichloropropane	9.38	76	305762	46.47	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	762749	250.51	ug/l	100
59) 2-Hexanone	9.50	43	1207250	233.18	ug/l	99
60) Dibromochloromethane	9.59	129	215392	45.53	ug/l	100
61) 1,2-Dibromoethane	9.68	107	196157	46.81	ug/l	99
64) Tetrachloroethene	9.34	164	243876	49.34	ug/l	99
65) Chlorobenzene	10.15	112	505265	46.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	199767	45.30	ug/l	100
67) Ethyl Benzene	10.26	91	879411	46.34	ug/l	99
68) m/p-Xylenes	10.37	106	673354	92.83	ug/l	99
69) o-Xylene	10.70	106	337077	46.54	ug/l	100
70) Styrene	10.72	104	561258	46.73	ug/l	100
71) Bromoform	10.86	173	180973	43.28	ug/l #	99
73) Isopropylbenzene	11.02	105	902126	45.27	ug/l	99
74) N-amyl acetate	6.47	43	501880	48.45	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	271709	49.85	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	285235m	50.46	ug/l	
77) Bromobenzene	11.26	156	243386	46.03	ug/l	99
78) n-propylbenzene	11.37	91	1013619	45.41	ug/l	100
79) 2-Chlorotoluene	11.43	91	610590	49.86	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	768756	45.14	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	86413	36.74	ug/l	95
82) 4-Chlorotoluene	11.52	91	717961	45.61	ug/l	100
83) tert-Butylbenzene	11.77	119	732489	43.83	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	791122	44.95	ug/l	99
85) sec-Butylbenzene	11.95	105	904322	45.01	ug/l	100
86) p-Isopropyltoluene	12.07	119	816580	45.42	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	433083	45.74	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	439538	46.43	ug/l	100
89) n-Butylbenzene	12.39	91	696683	45.74	ug/l	100
90) Hexachloroethane	12.60	117	148829	41.97	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	444297	46.05	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	74291	41.93	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	321641	46.62	ug/l	99
94) Hexachlorobutadiene	13.79	225	163778	44.13	ug/l	100
95) Naphthalene	13.84	128	979416	46.08	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	331639	46.46	ug/l	100

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

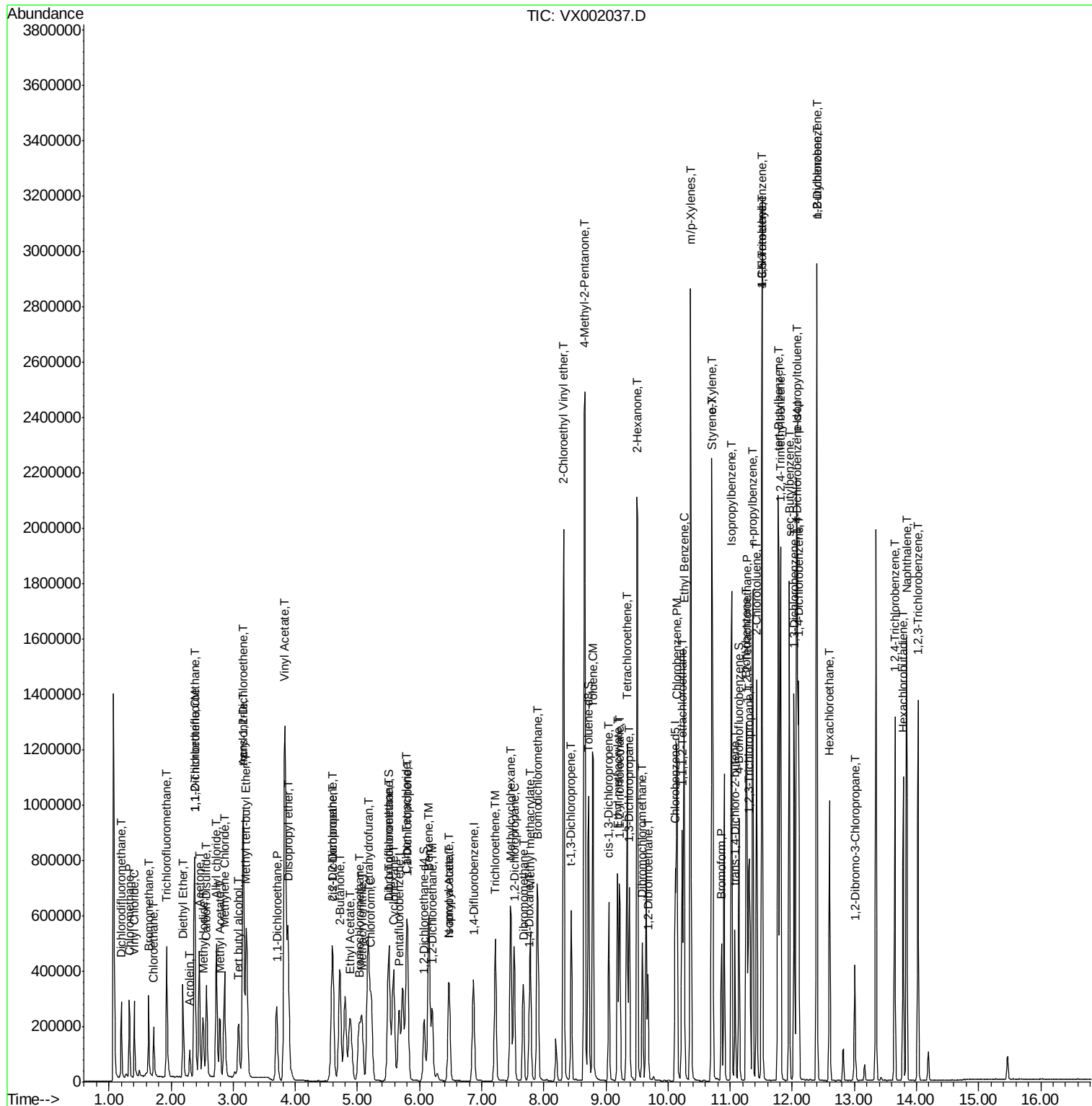
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
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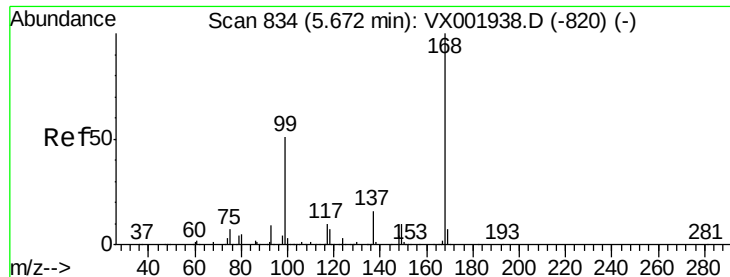
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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5/30/2018 1:50:11 PM

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 259457

Ion Ratio Lower Upper

168 100

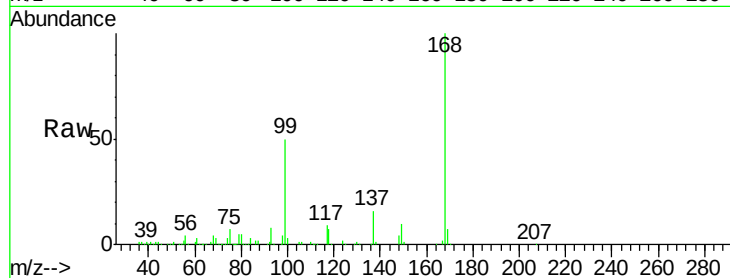
99 49.4 41.0 61.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

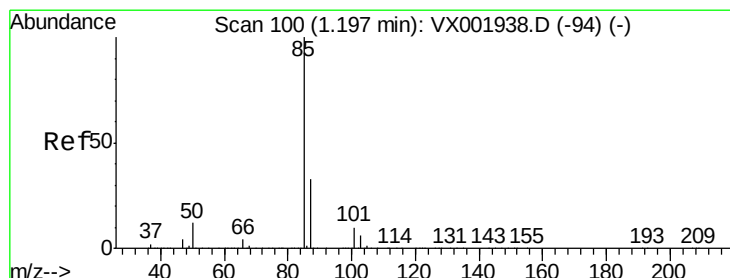
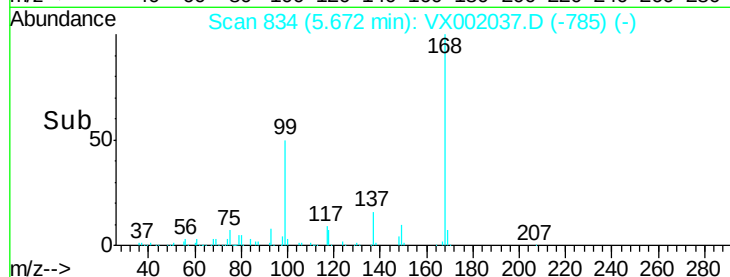
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.88 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX002037.D

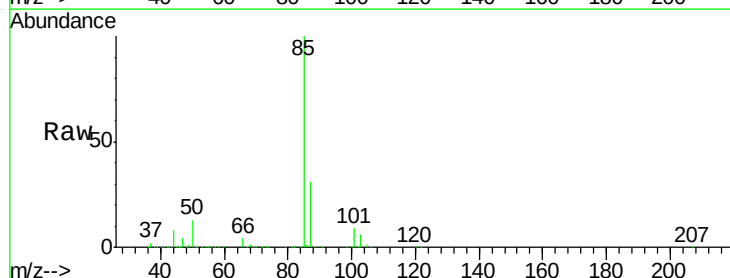
Acq: 26 May 2018 23:26

Tgt Ion: 85 Resp: 152640

Ion Ratio Lower Upper

85 100

87 31.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

100000

50000

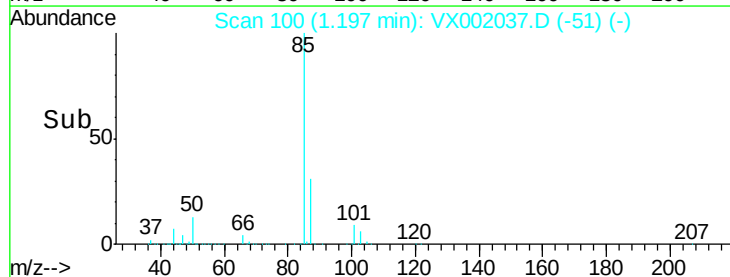
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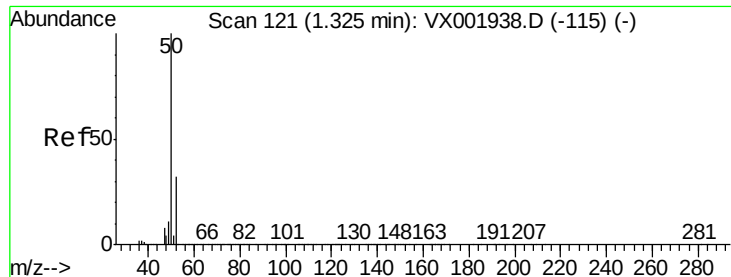
1.10

1.20

1.30

Time-->





#3

Chloromethane

Concen: 46.53 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 185738

Ion Ratio Lower Upper

50 100

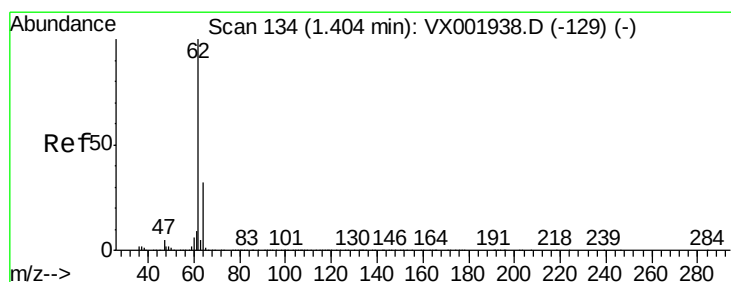
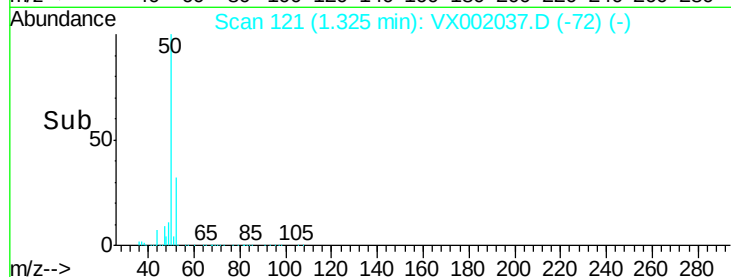
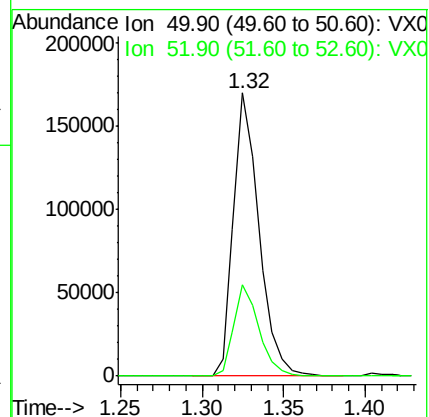
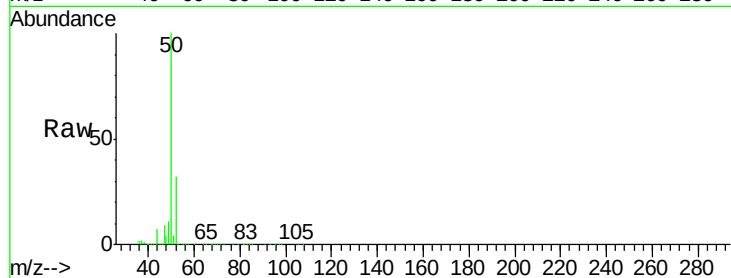
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.84 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002037.D

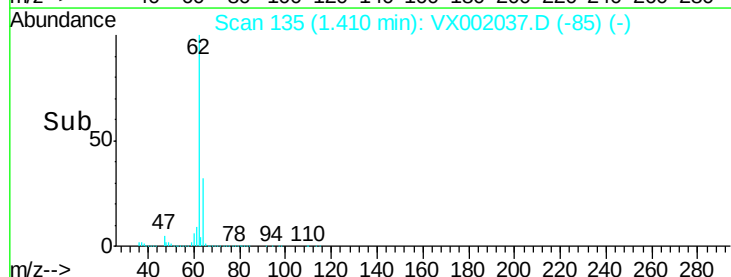
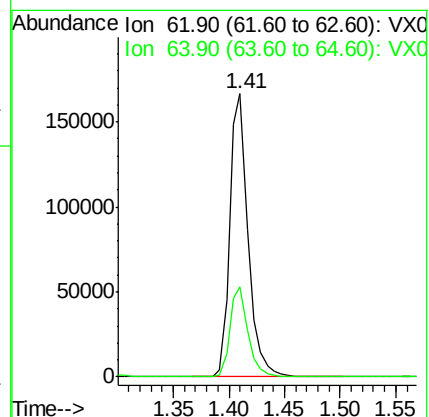
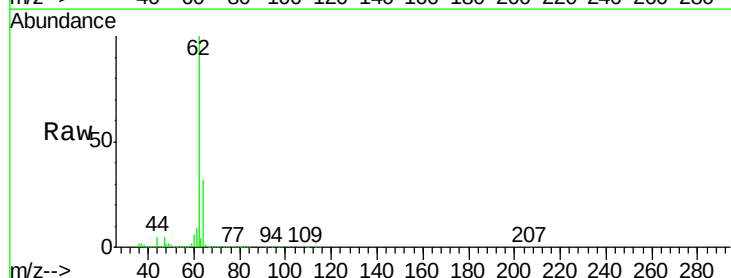
Acq: 26 May 2018 23:26

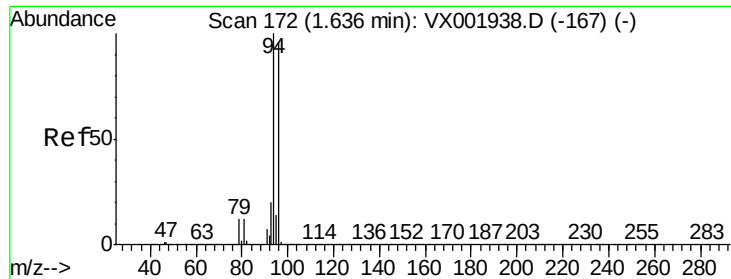
Tgt Ion: 62 Resp: 188240

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 57.58 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 101900

Ion Ratio Lower Upper

94 100

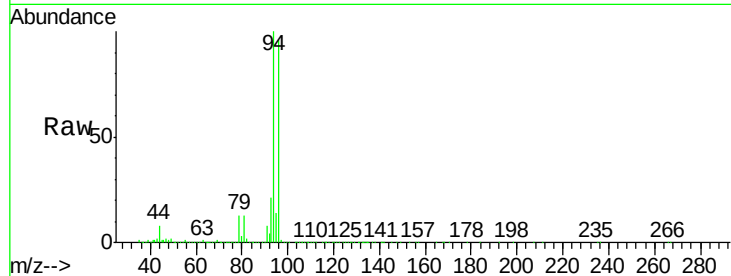
96 96.1 75.9 113.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

100000

80000

60000

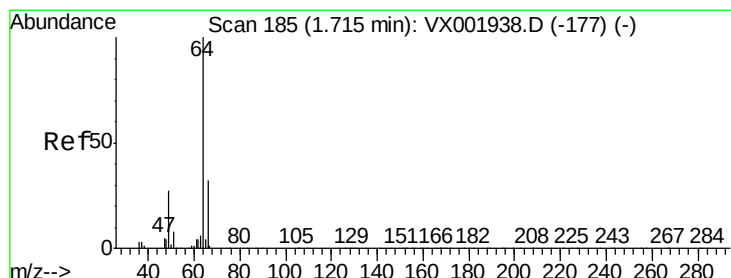
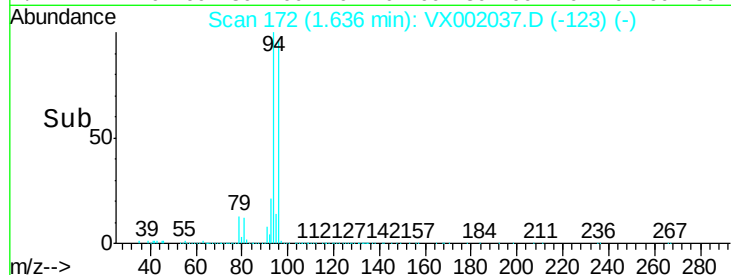
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 52.25 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX002037.D

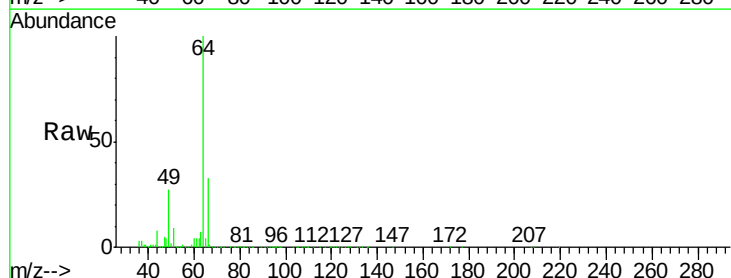
Acq: 26 May 2018 23:26

Tgt Ion: 64 Resp: 118729

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

100000

80000

60000

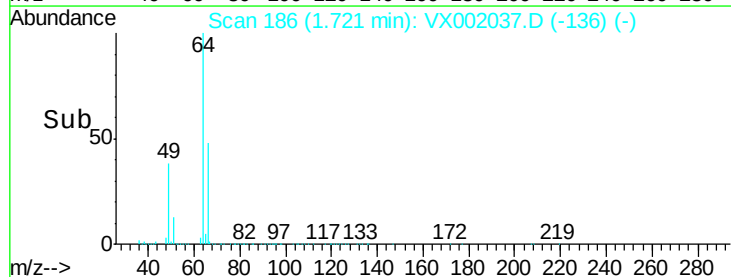
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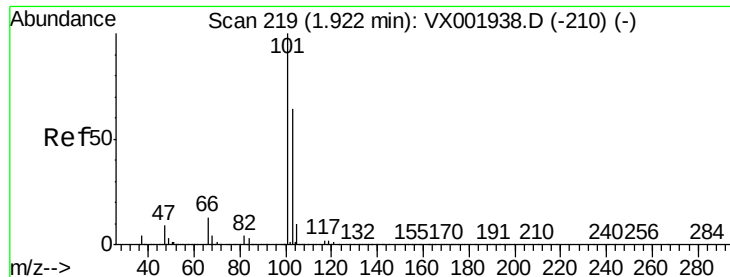
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0

1.65 1.70 1.75 1.80

Time-->





#7

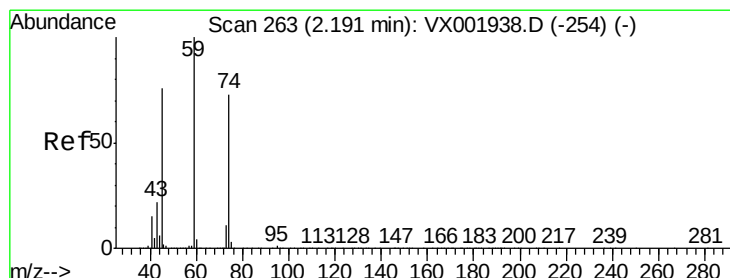
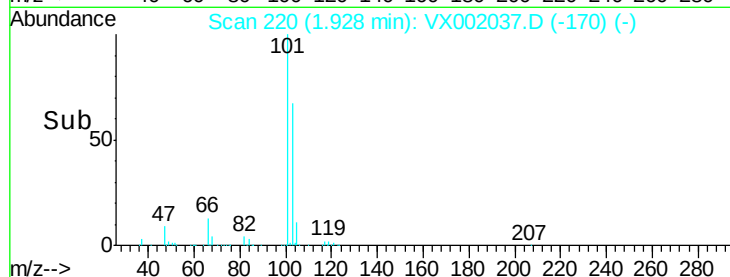
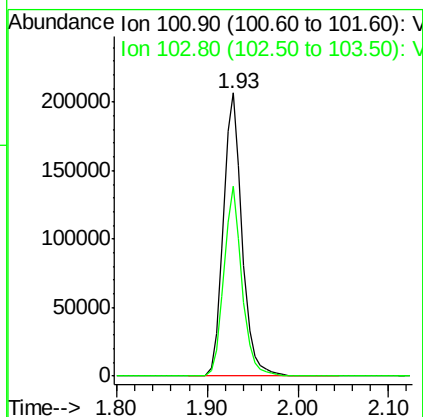
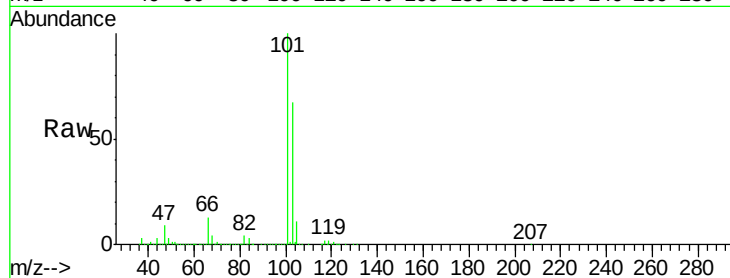
Trichlorofluoromethane
Concen: 51.87 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.4	77.0

Manual Integrations
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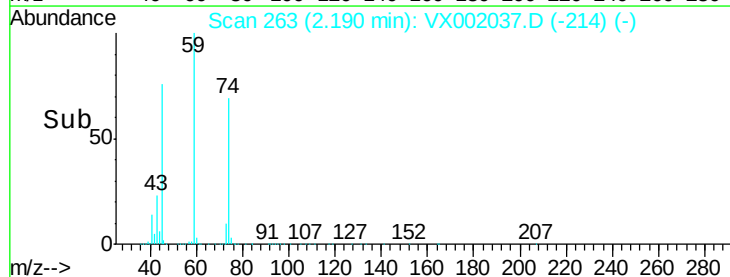
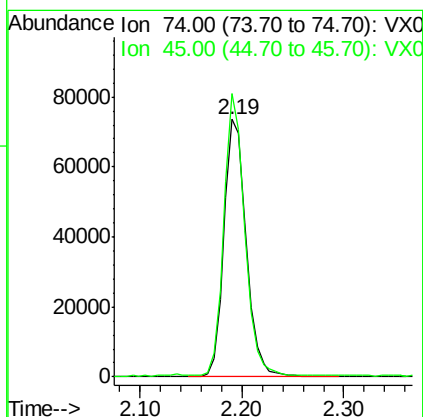
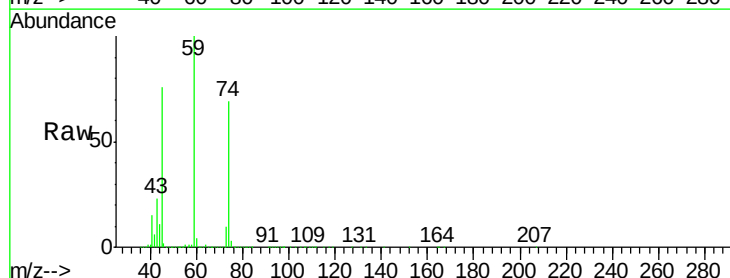
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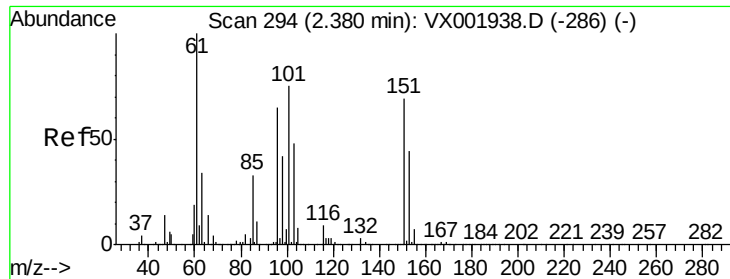


#8

Diethyl Ether
Concen: 53.10 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.84 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

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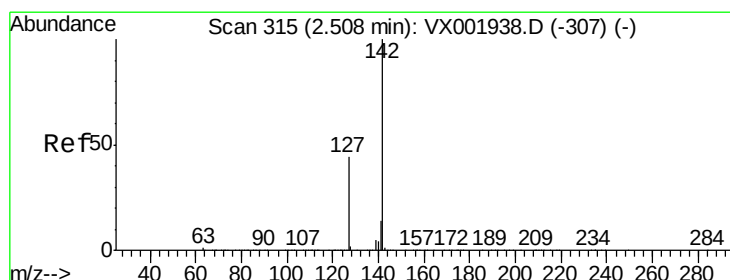
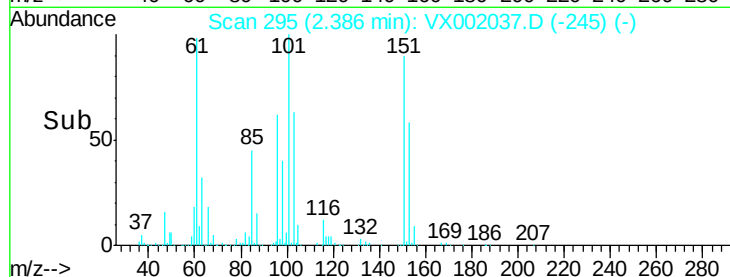
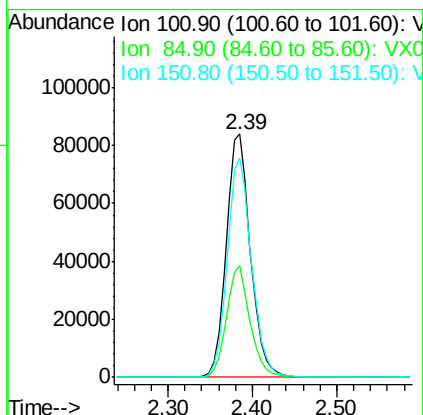
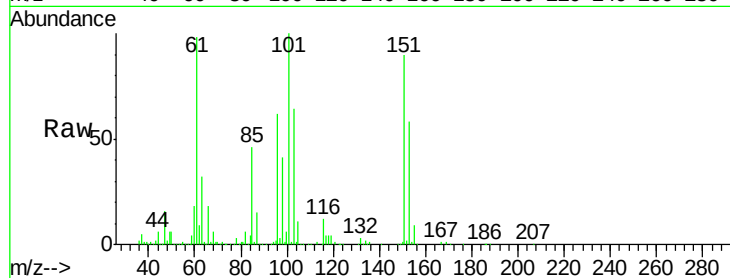
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	164215
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.6	53.4
151	90.6	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 51.20 ug/l

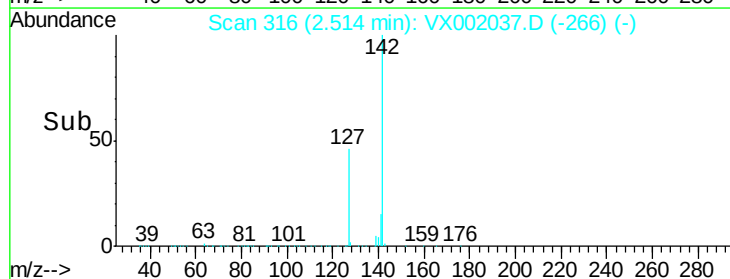
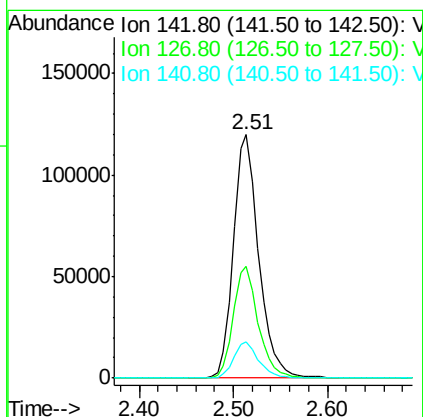
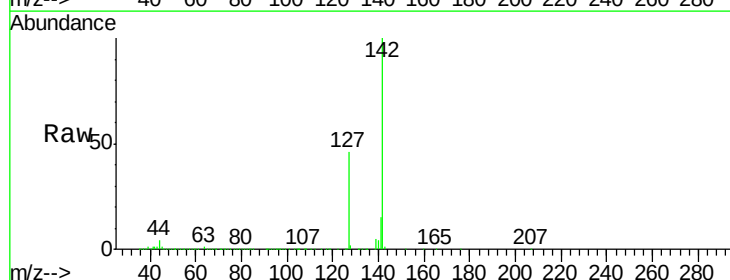
RT: 2.51 min Scan# 316

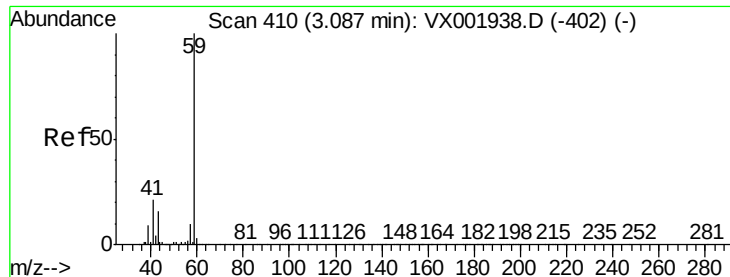
Delta R.T. 0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion:	142	Resp:	223790
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.5	53.3
141	14.6	11.3	16.9





#11

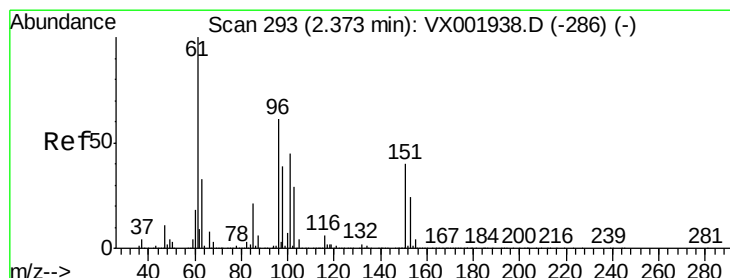
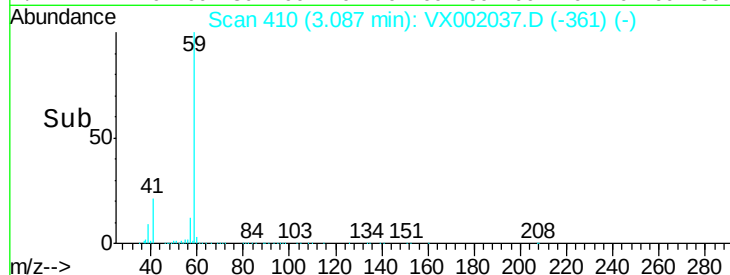
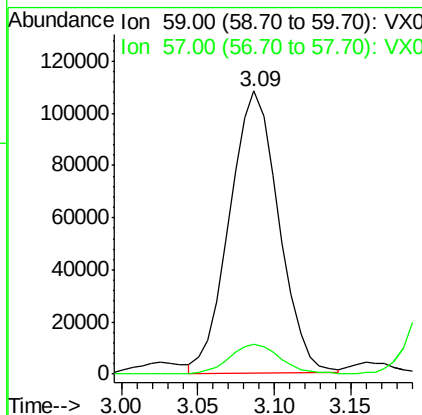
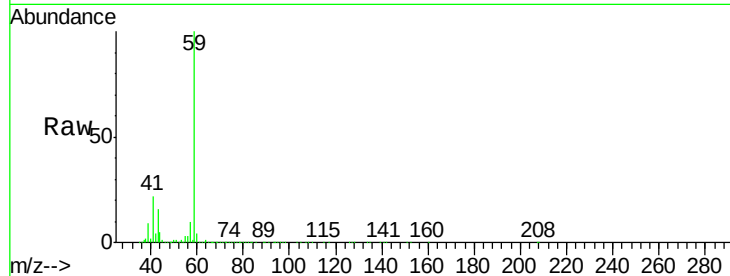
Tert butyl alcohol
Concen: 265.81 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.9	13.3

Manual Integrations
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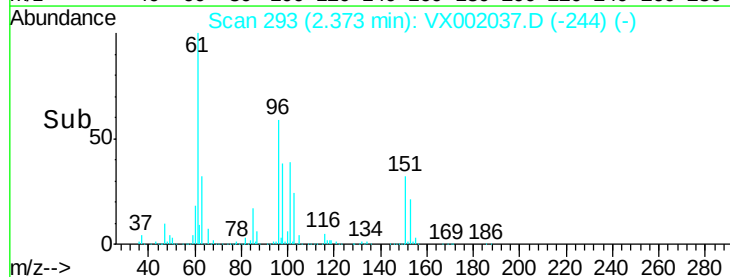
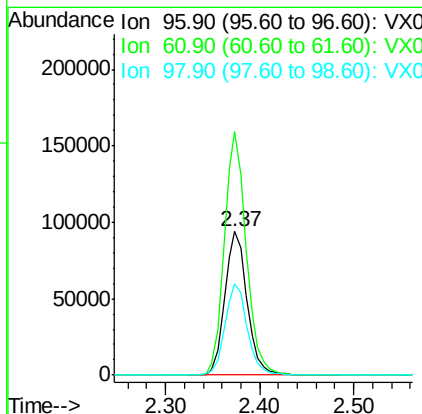
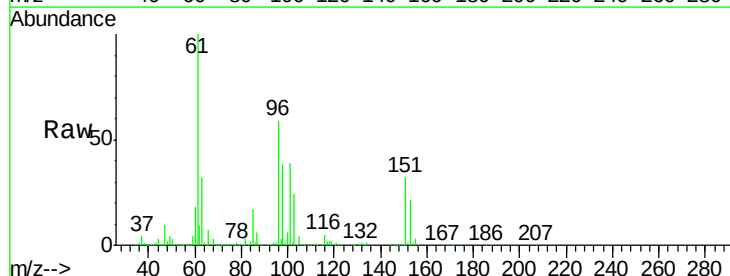
MMDadoda
5/30/2018 1:50:11 PM

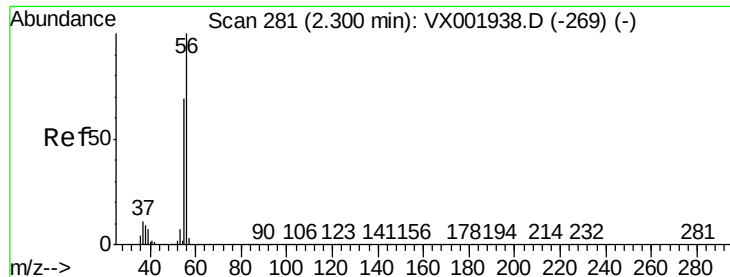


#12

1,1-Dichloroethene
Concen: 50.52 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	131.7	197.5
98	63.9	51.6	77.4





#13

Acrolein

Concen: 174.38 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 68636

Ion Ratio Lower Upper

56 100

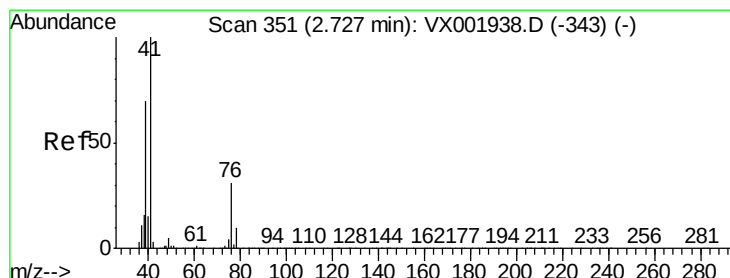
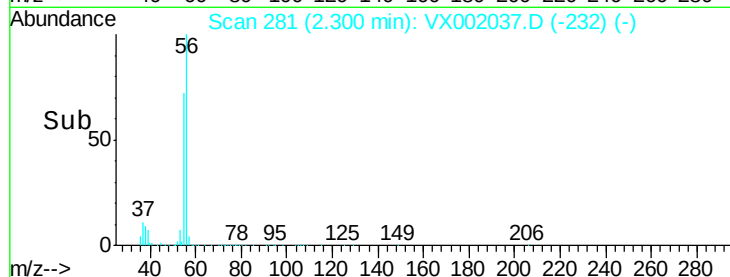
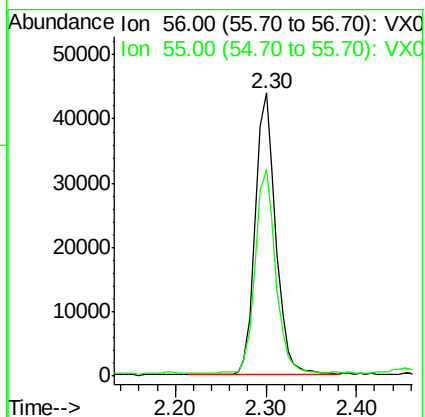
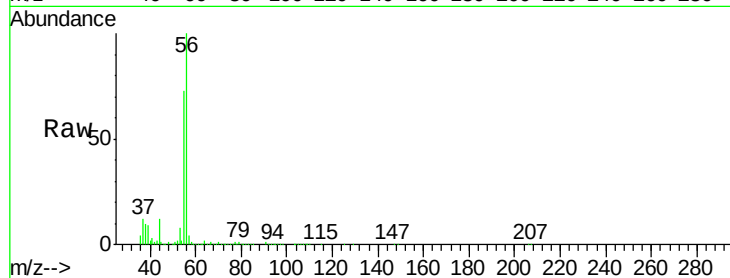
55 72.8 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 50.33 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

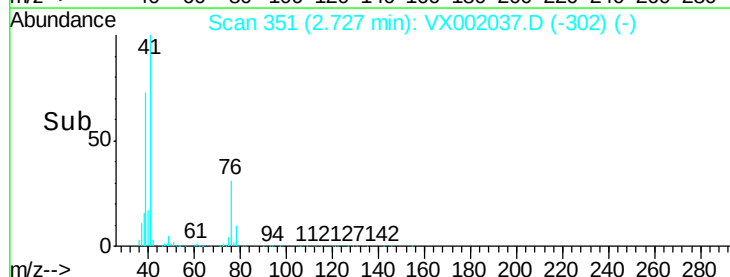
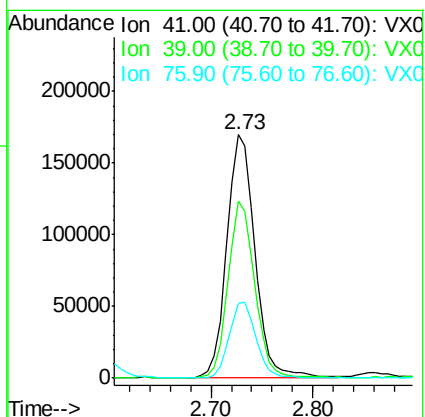
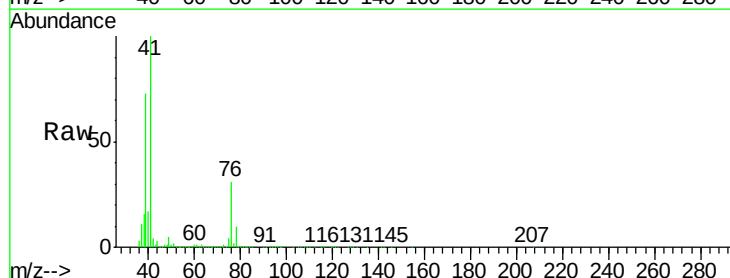
Tgt Ion: 41 Resp: 319481

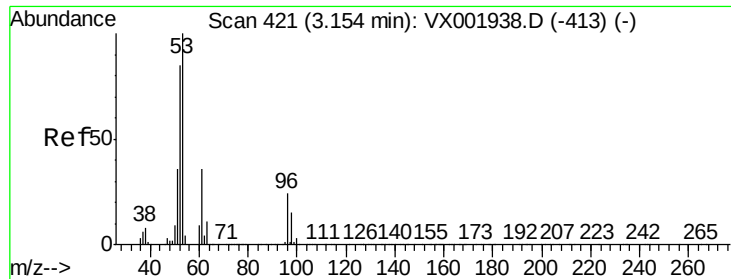
Ion Ratio Lower Upper

41 100

39 68.7 54.3 81.5

76 30.0 24.2 36.4





#15

Acrylonitrile

Concen: 263.55 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

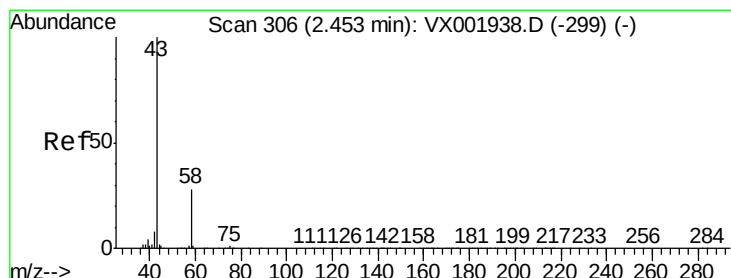
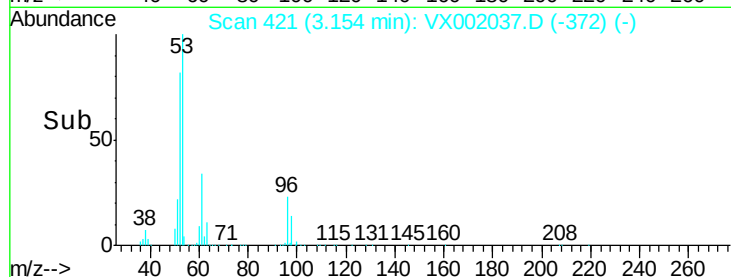
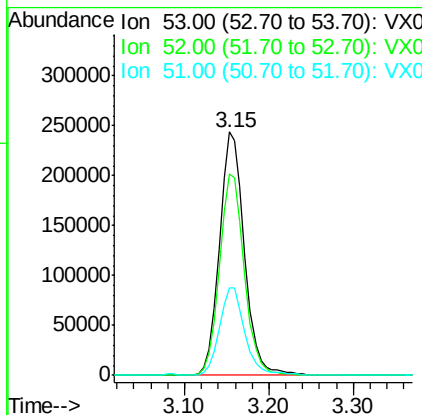
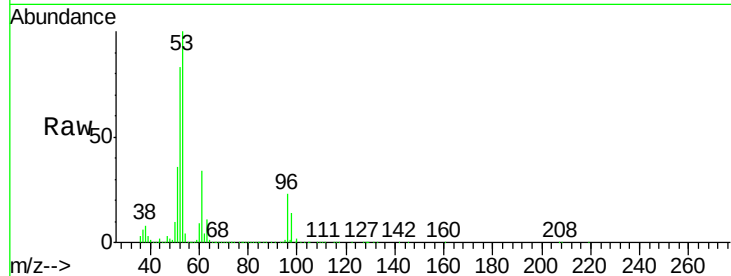
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	493380
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.4	99.6
51	37.0	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 266.41 ug/l

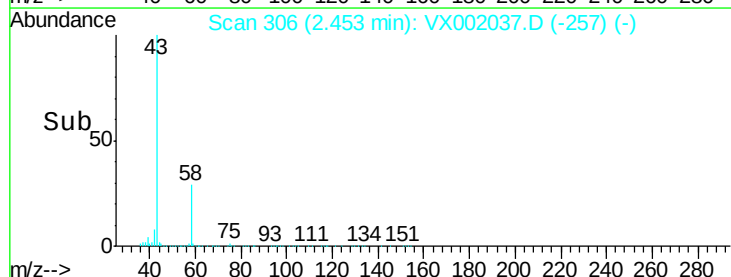
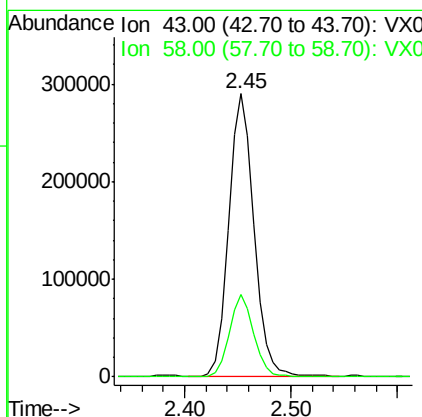
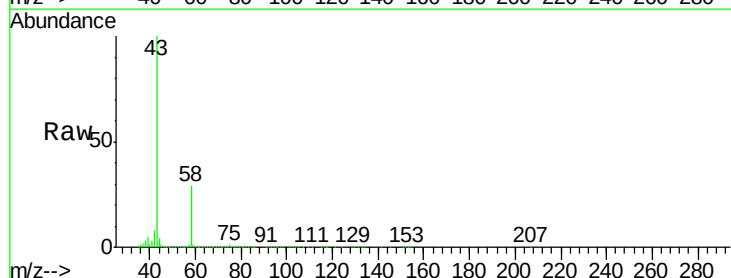
RT: 2.45 min Scan# 306

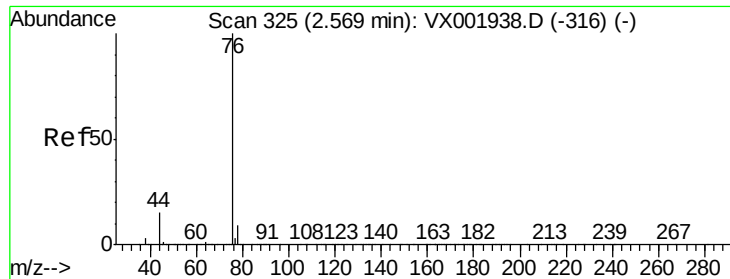
Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion:	43	Resp:	476835
Ion Ratio	Lower	Upper	
43	100		
58	29.4	22.3	33.5





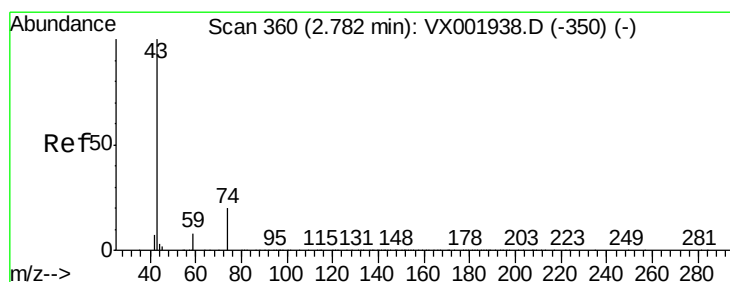
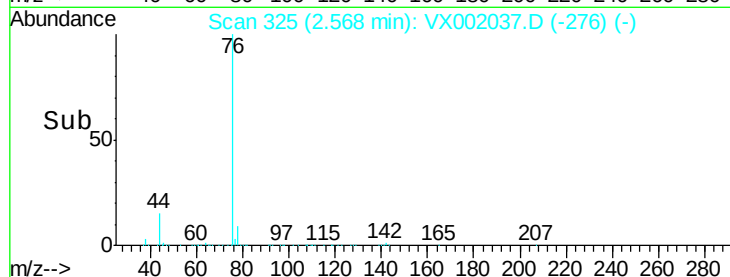
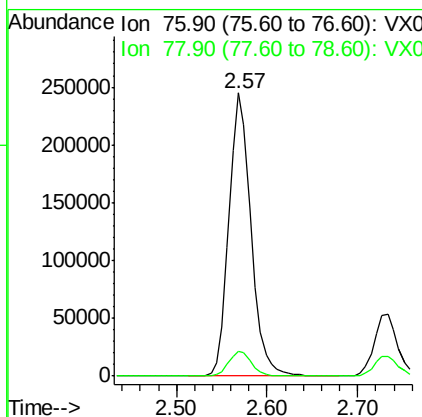
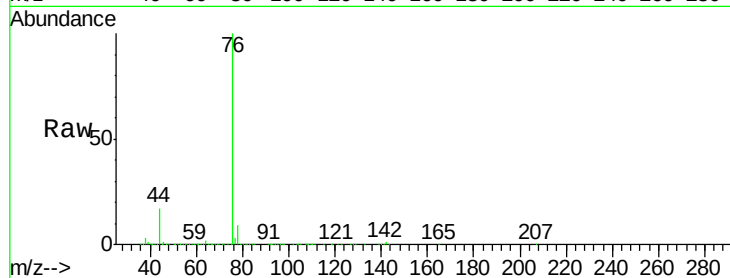
#17
Carbon Disulfide
Concen: 47.52 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.2

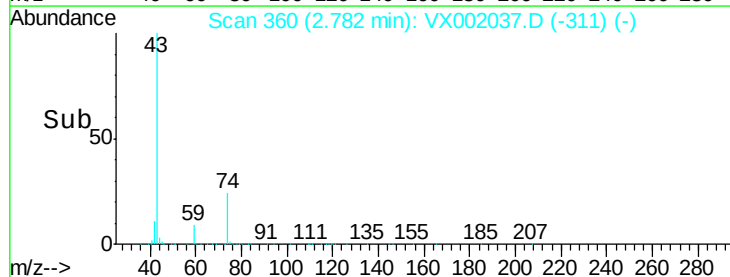
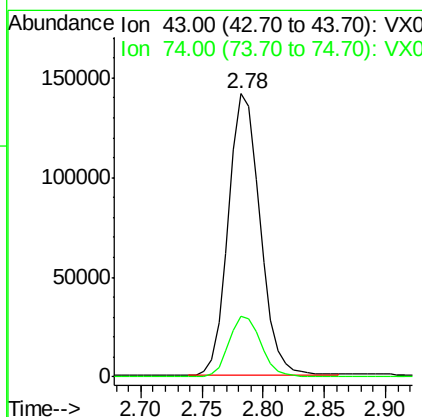
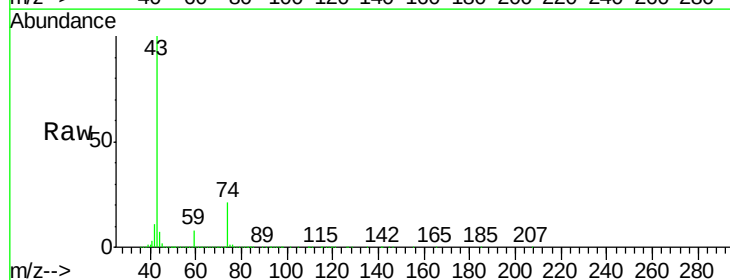
Manual Integrations
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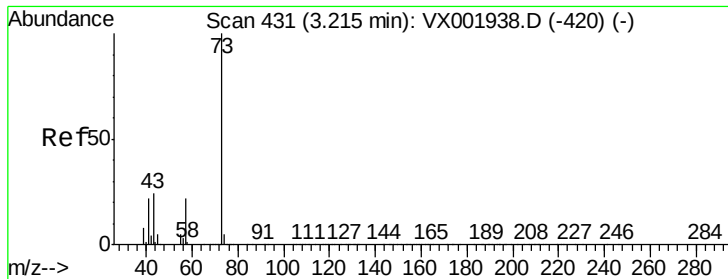
MMDadoda
5/30/2018 1:50:11 PM



#18
Methyl Acetate
Concen: 59.32 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.8	25.2





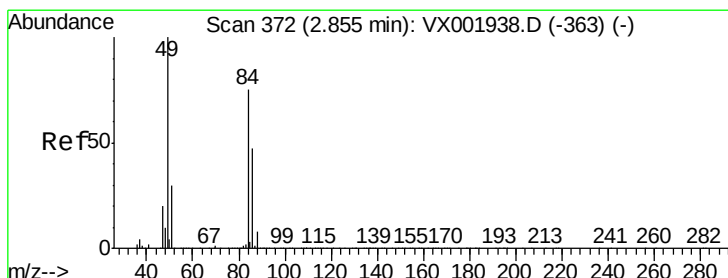
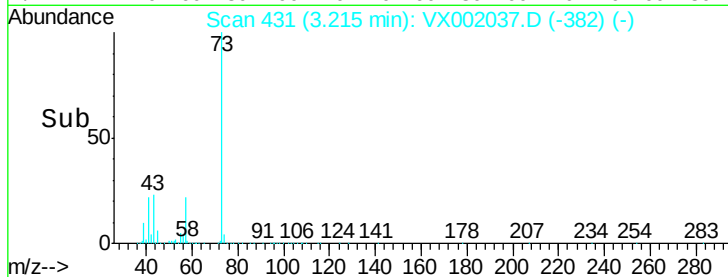
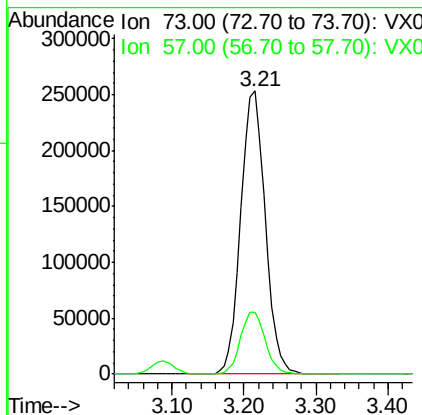
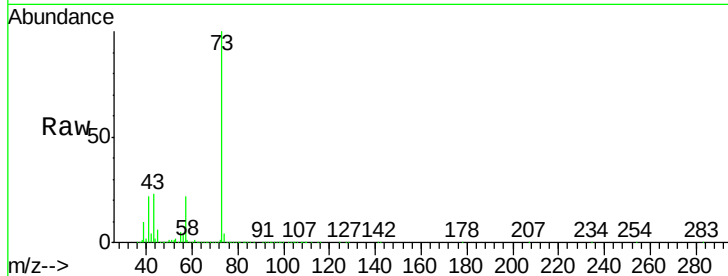
#19
Methyl tert-butyl Ether
Concen: 52.70 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0

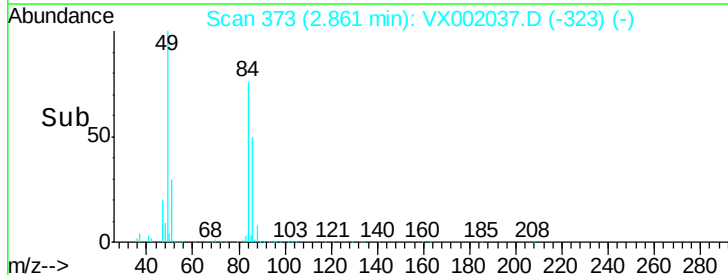
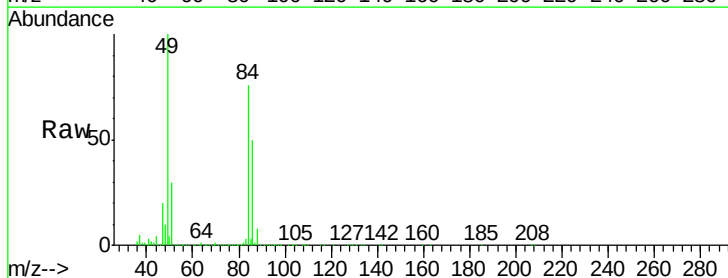
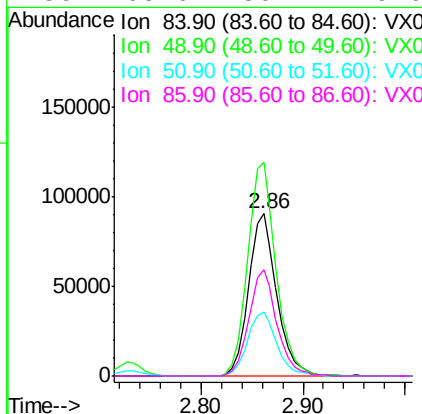
Manual Integrations
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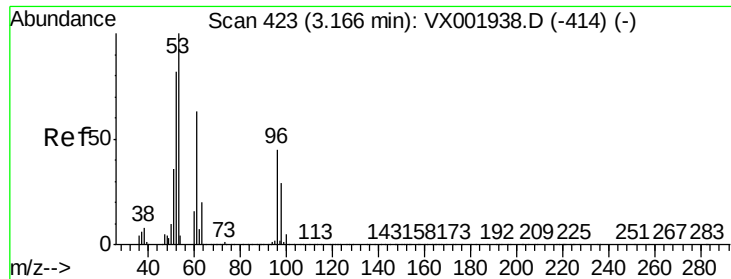
MMDadoda
5/30/2018 1:50:11 PM



#20
Methylene Chloride
Concen: 56.12 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.4	107.2	160.8
51	39.4	32.4	48.6
86	65.6	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 55.73 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

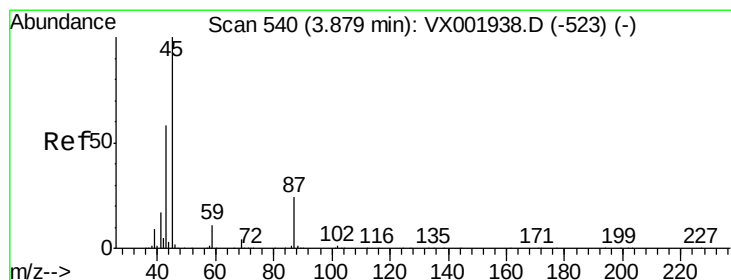
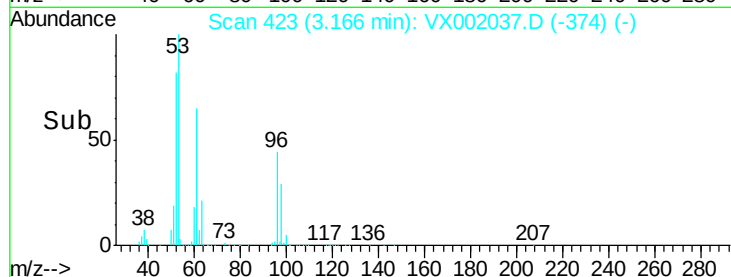
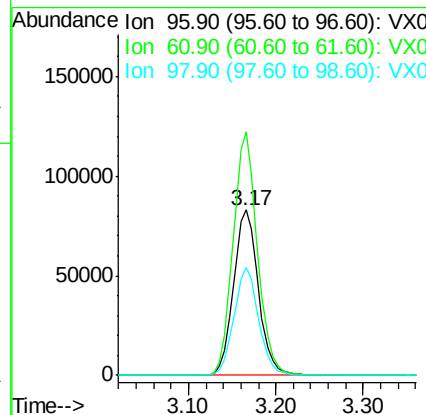
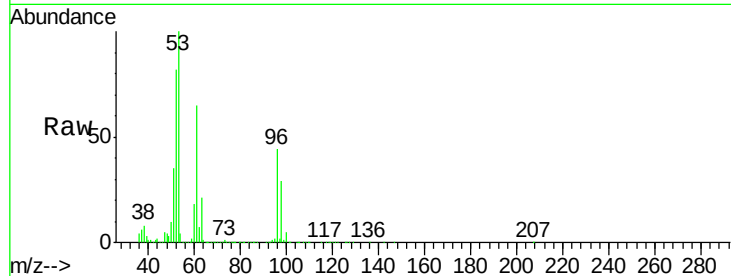
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	163538
Ion	Ratio	Lower	Upper
96	100		
61	147.4	113.3	169.9
98	65.5	51.7	77.5

Manual Integrations
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5/30/2018 1:50:11 PM



#22

Diisopropyl ether

Concen: 48.54 ug/l

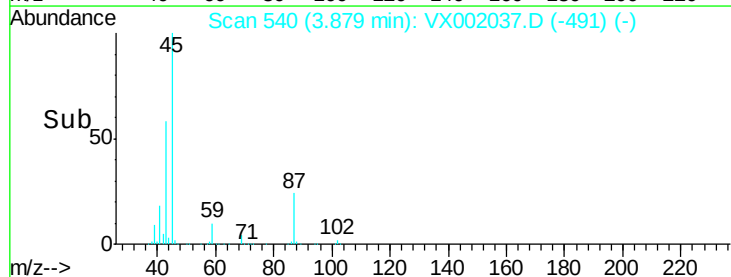
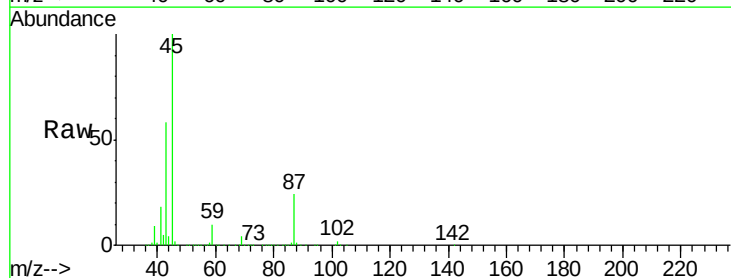
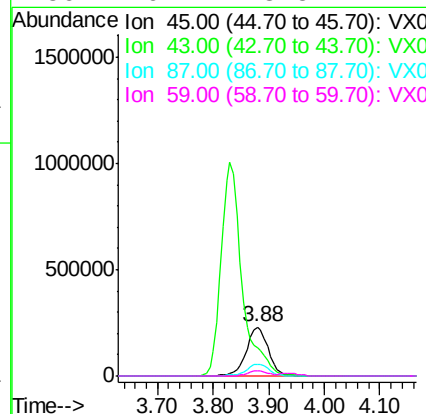
RT: 3.88 min Scan# 540

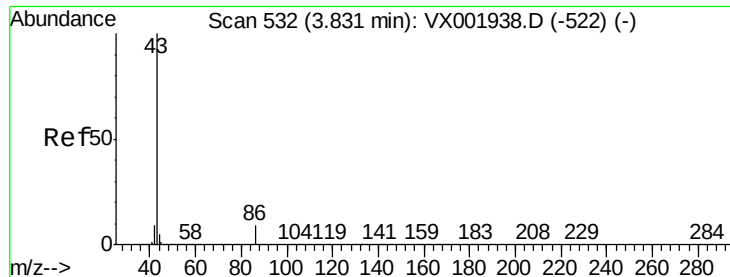
Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion:	45	Resp:	626764
Ion	Ratio	Lower	Upper
45	100		
43	58.0	47.0	70.6
87	24.4	19.4	29.0
59	10.2	8.5	12.7





#23

Vinyl Acetate

Concen: 245.93 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2632899

Ion Ratio Lower Upper

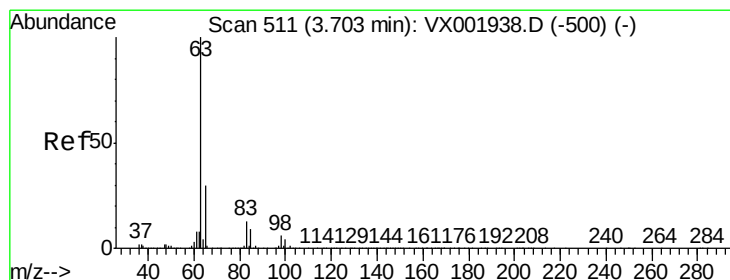
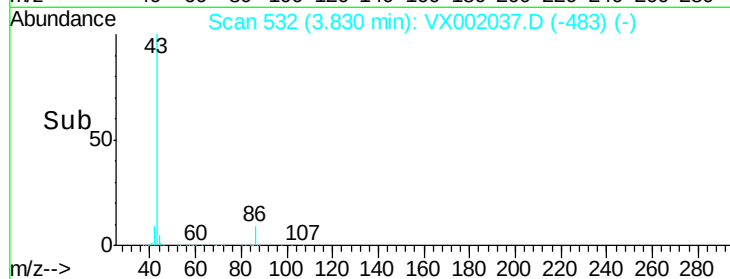
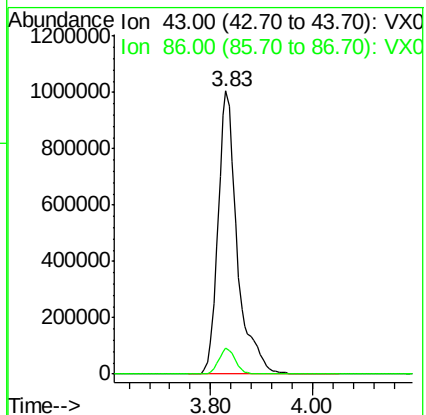
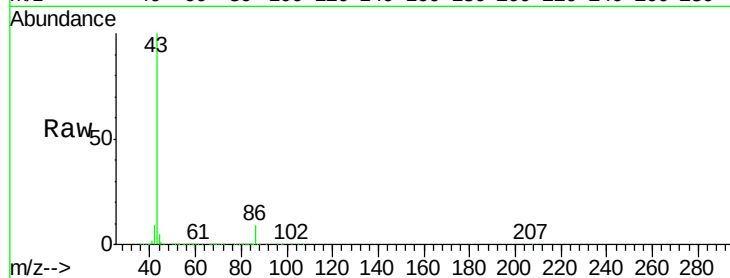
43 100

86 9.2 7.6 11.4

Manual Integrations
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5/30/2018 1:50:11 PM



#24

1,1-Dichloroethane

Concen: 50.78 ug/l

RT: 3.70 min Scan# 511

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

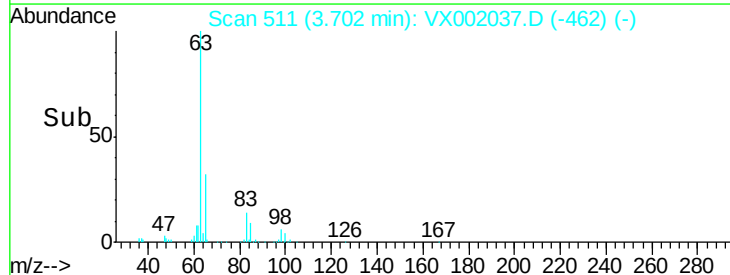
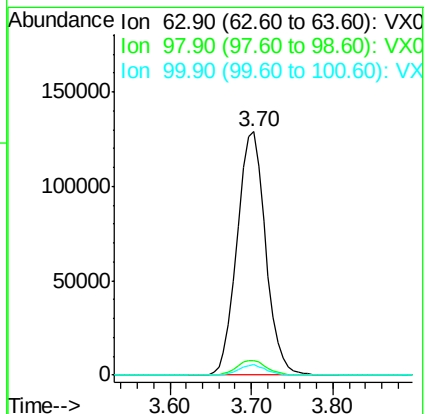
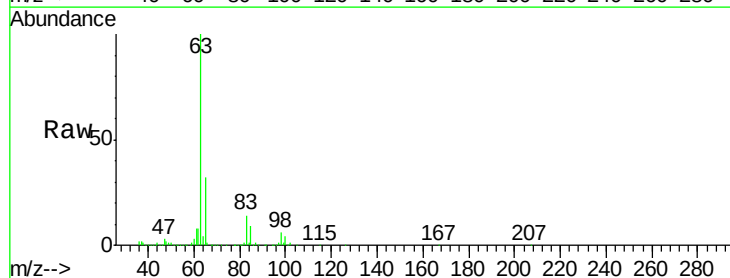
Tgt Ion: 63 Resp: 311475

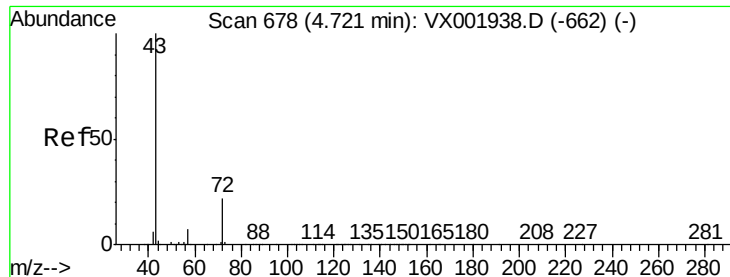
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 229.19 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 751866

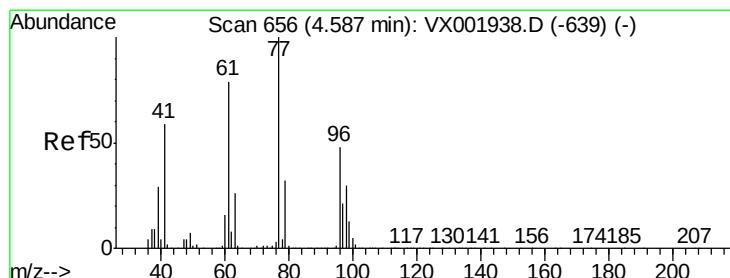
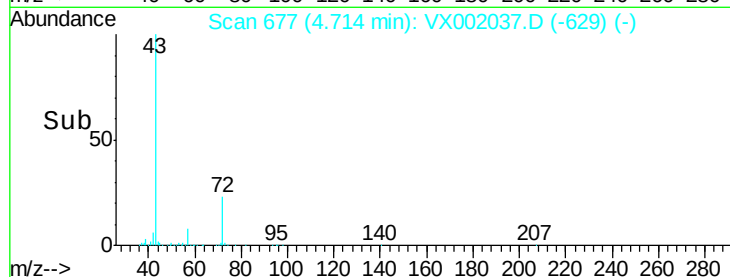
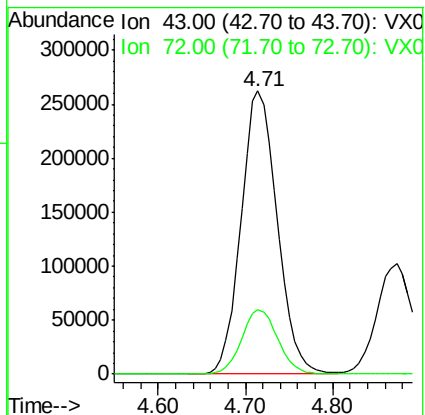
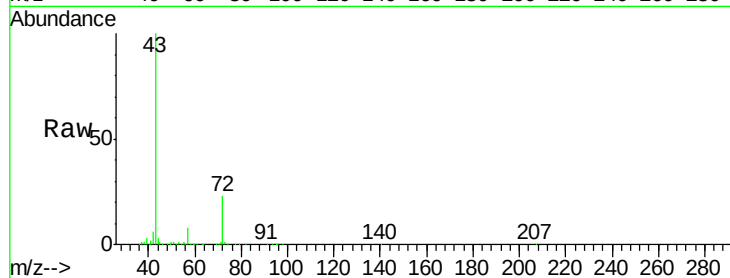
Ion Ratio Lower Upper

43 100

72 23.0 17.9 26.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 32.43 ug/l

RT: 4.59 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX002037.D

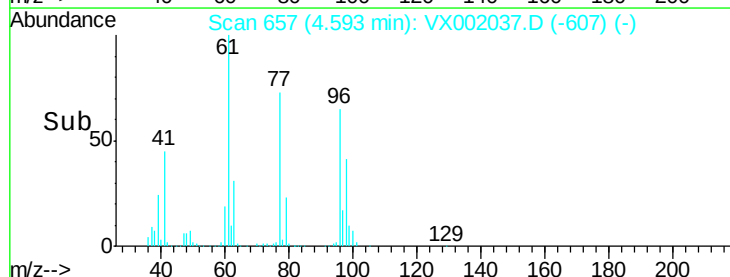
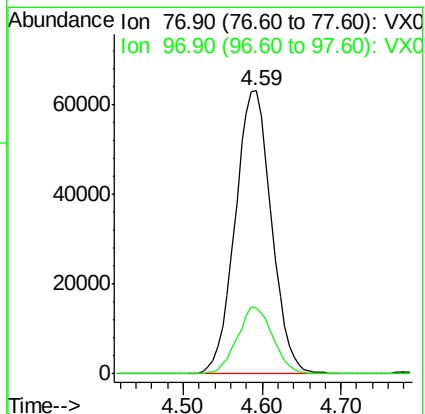
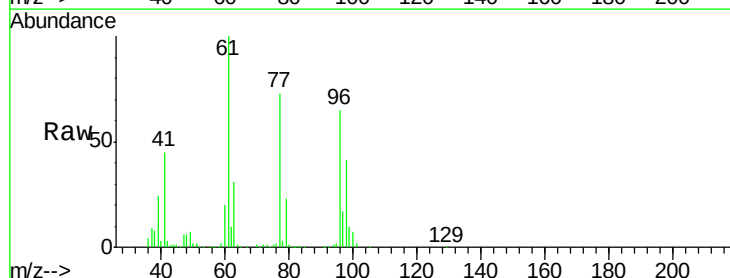
Acq: 26 May 2018 23:26

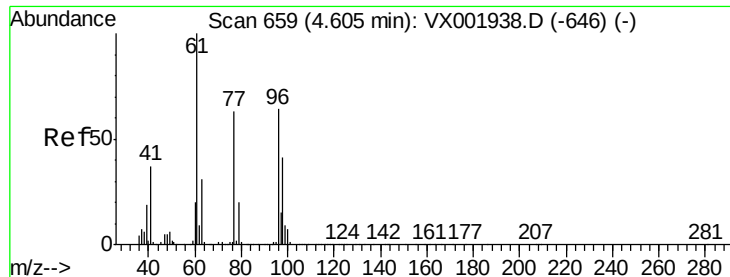
Tgt Ion: 77 Resp: 201340

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.5





#27

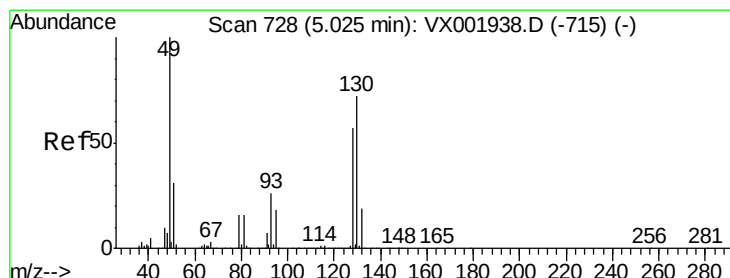
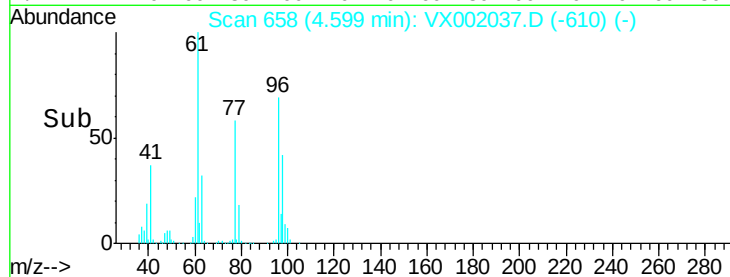
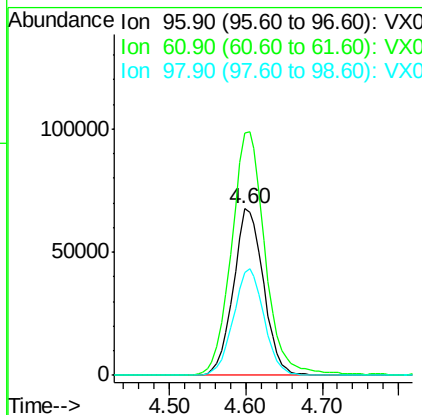
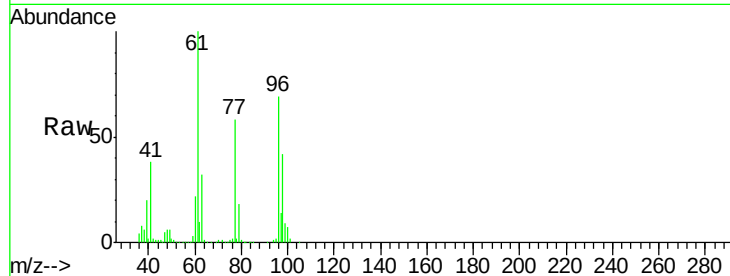
cis-1,2-Dichloroethene
Concen: 46.77 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	184420		
61	162.7	0.0	348.4	
98	64.8	0.0	128.6	

Manual Integrations
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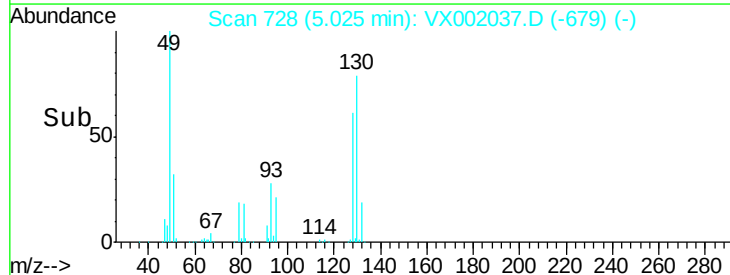
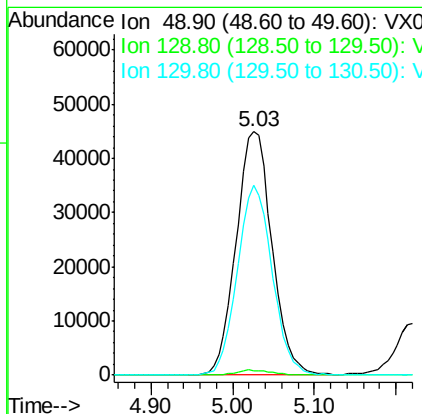
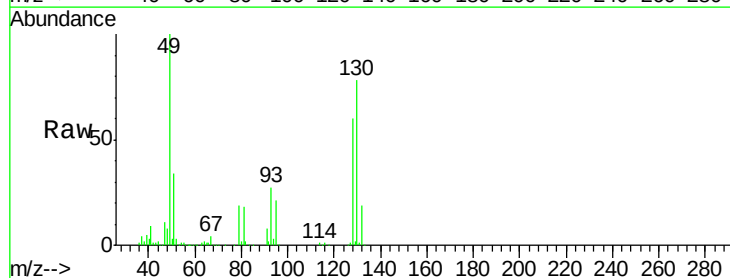
MMDadoda
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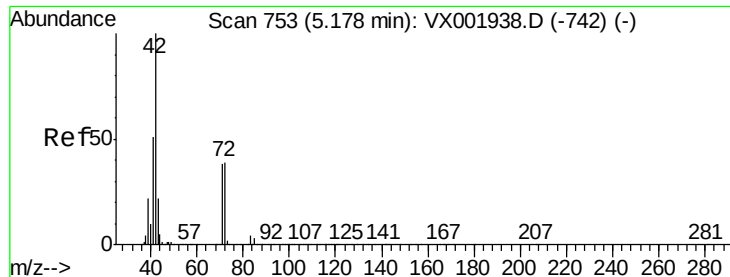


#28

Bromochloromethane
Concen: 53.45 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	137391		
129	2.1	0.0	3.8	
130	75.6	59.4	89.2	





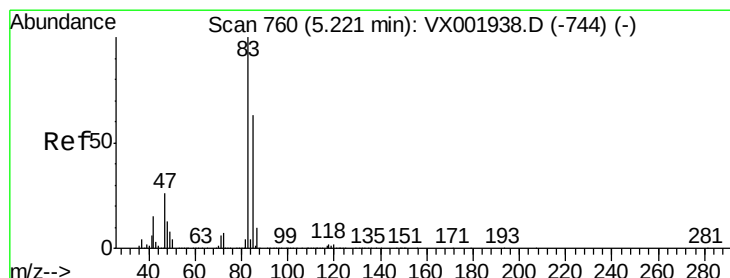
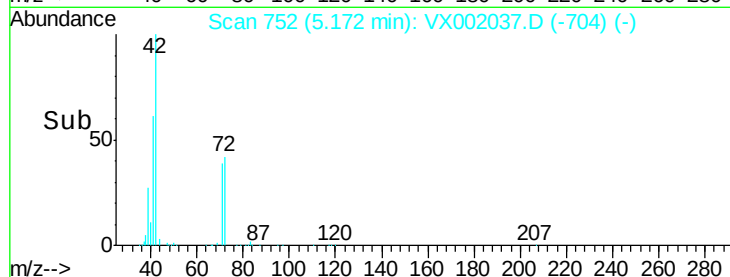
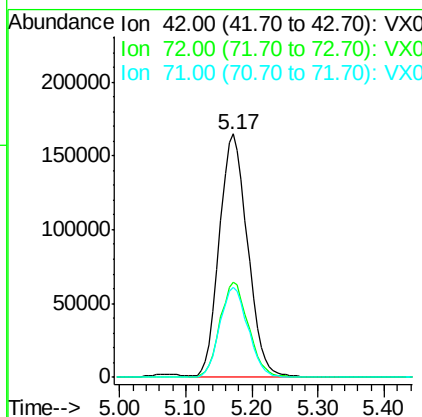
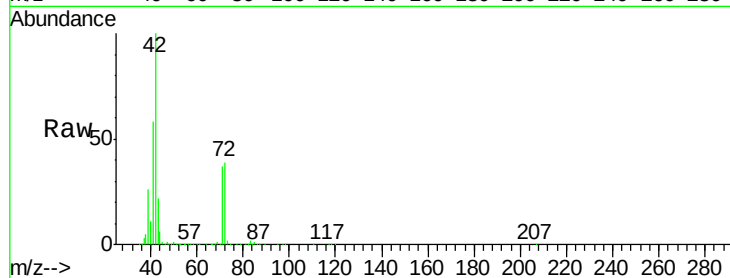
#29
Tetrahydrofuran
Concen: 227.99 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.0
71	37.3	29.5	44.3

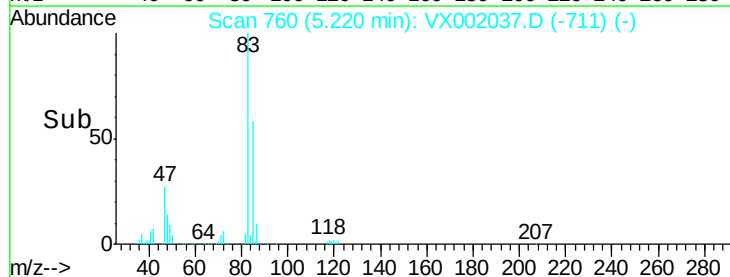
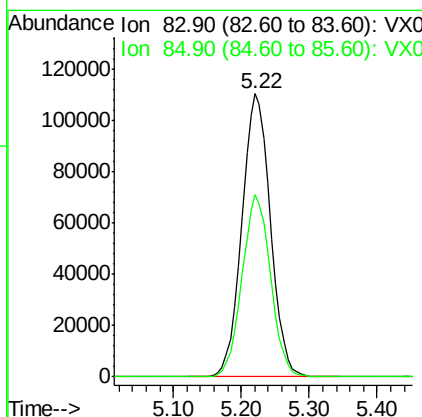
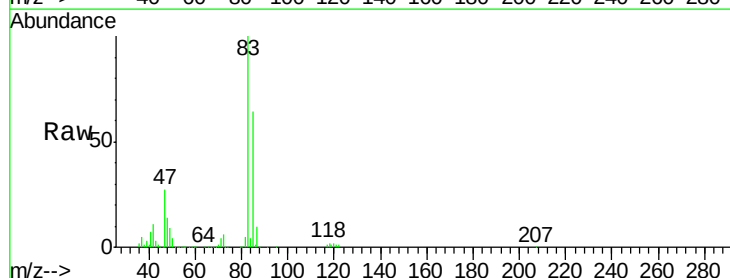
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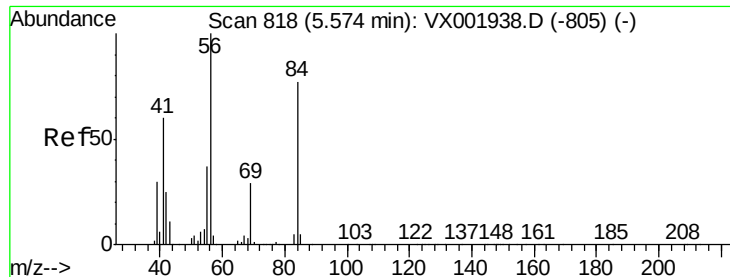
MMDadoda
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#30
Chloroform
Concen: 46.52 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.9	76.3





#31

Cyclohexane

Concen: 43.92 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

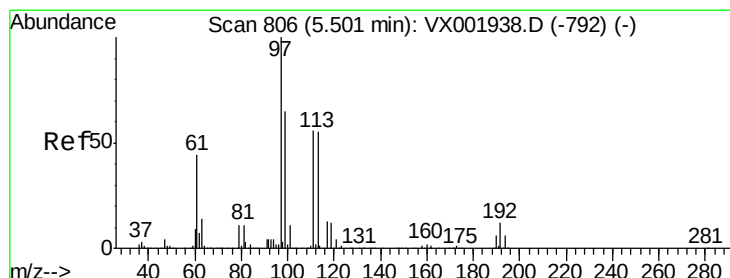
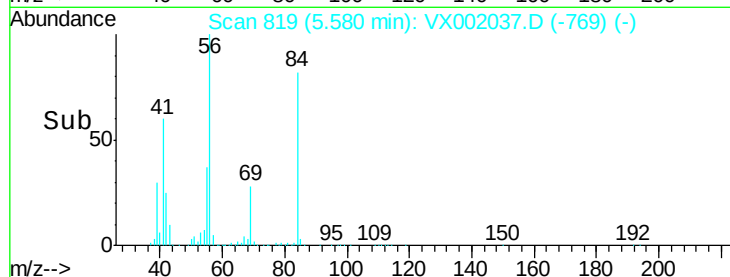
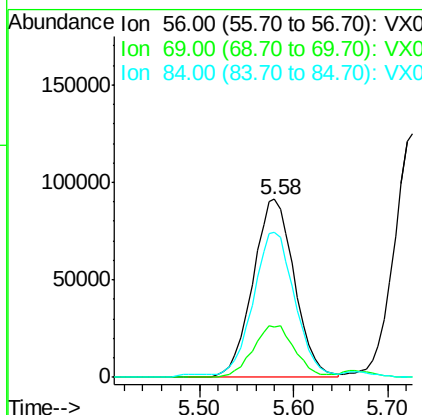
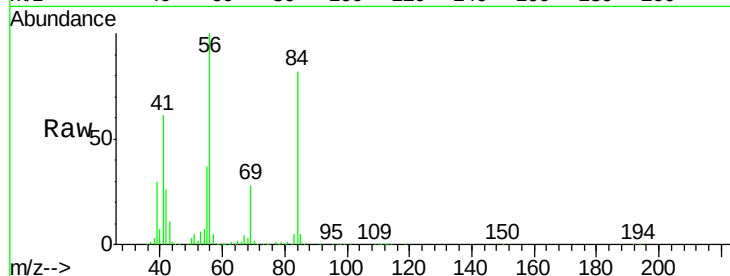
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.1	34.7
84	80.3	62.0	93.0

Manual Integrations
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5/30/2018 1:50:11 PM



#32

1,1,1-Trichloroethane

Concen: 45.66 ug/l

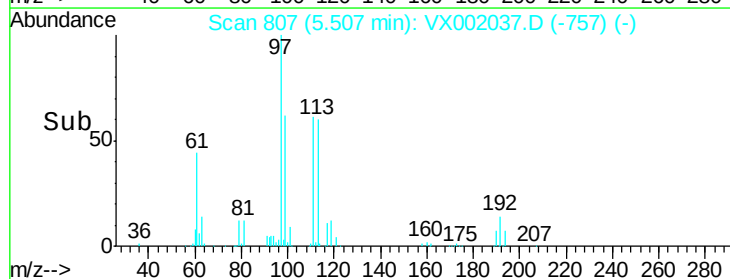
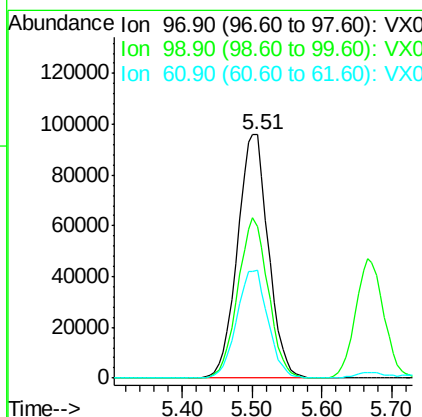
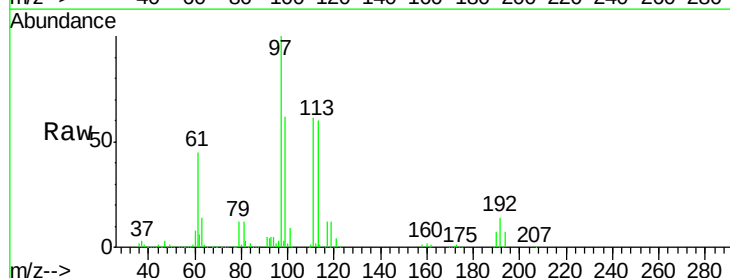
RT: 5.51 min Scan# 807

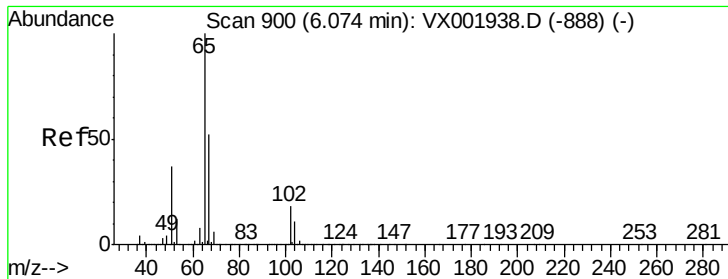
Delta R.T. 0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.9	77.9
61	44.9	35.9	53.9





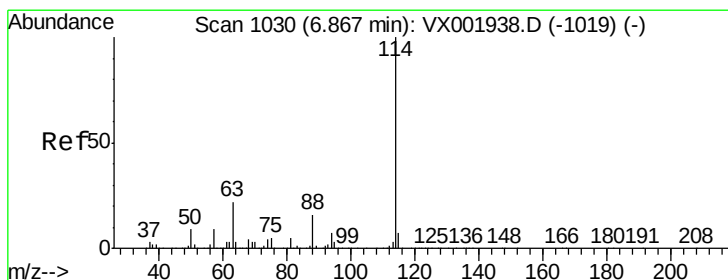
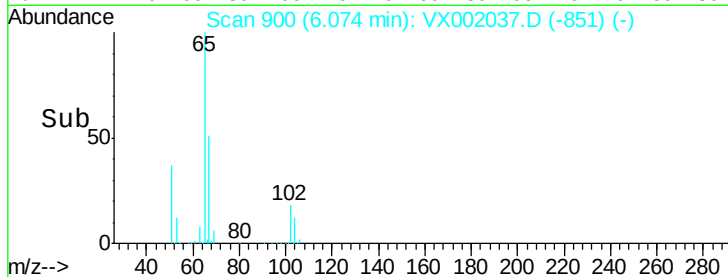
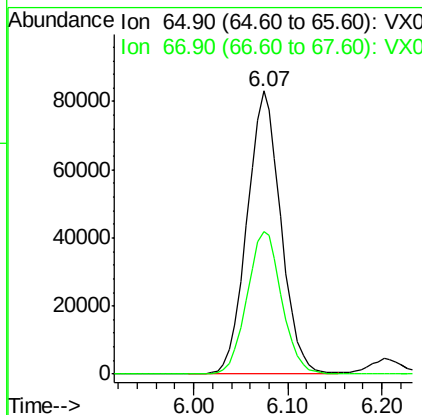
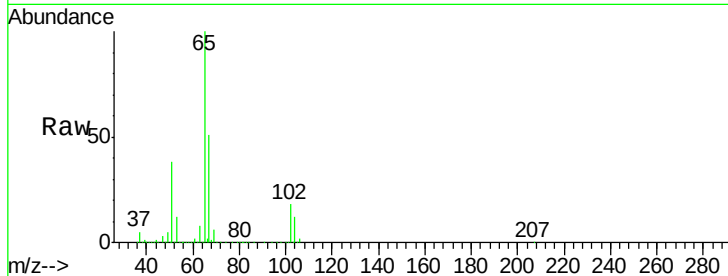
#33
 1,2-Dichloroethane-d4
 Concen: 45.03 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208825		
67	51.8	0.0	104.0	

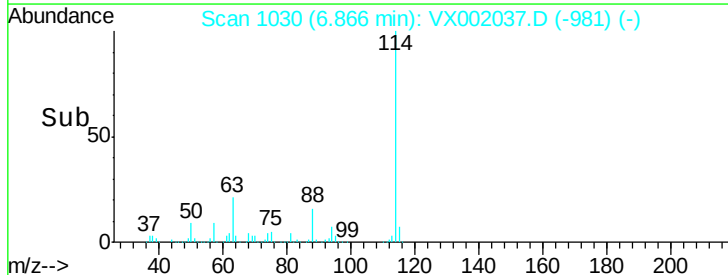
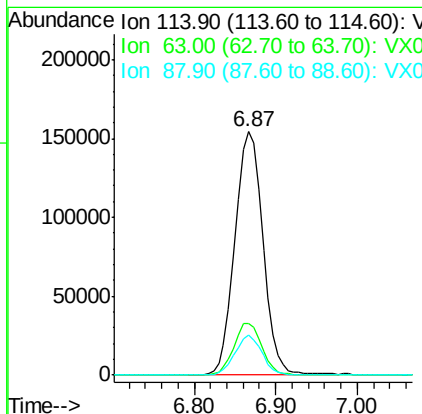
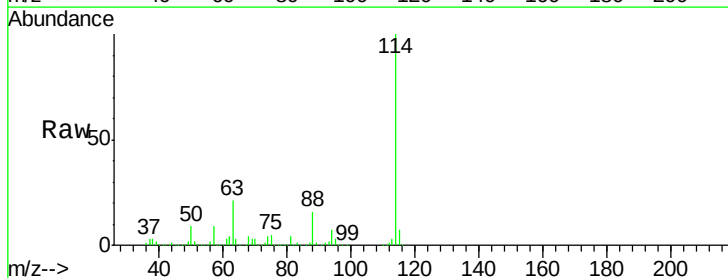
Manual Integrations
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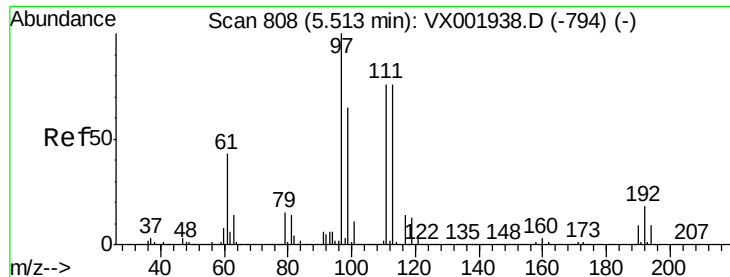
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	368647		
63	21.2	0.0	43.2	
88	16.3	0.0	31.6	





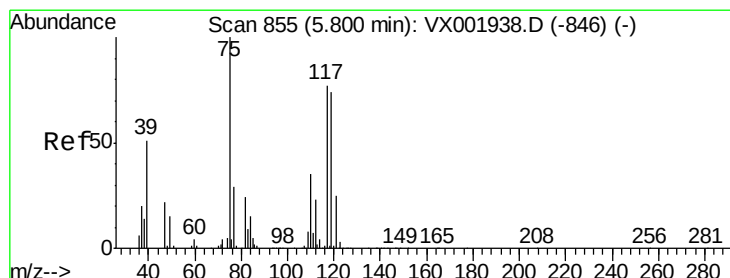
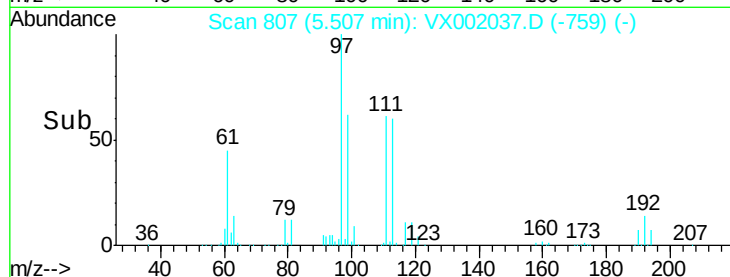
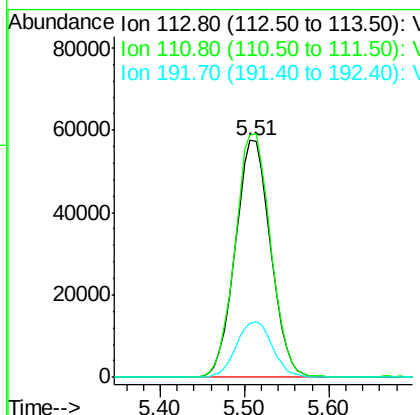
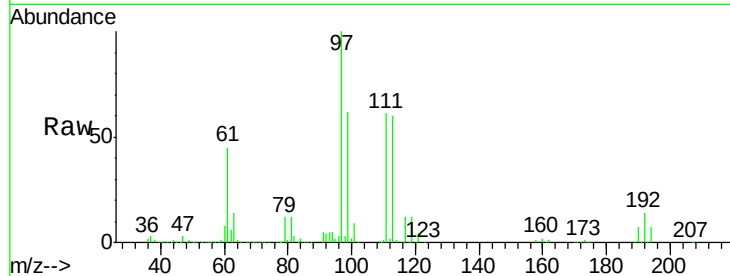
#35
 Dibromofluoromethane
 Concen: 44.32 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163392		
111	103.4	82.0	123.0	
192	24.1	18.9	28.3	

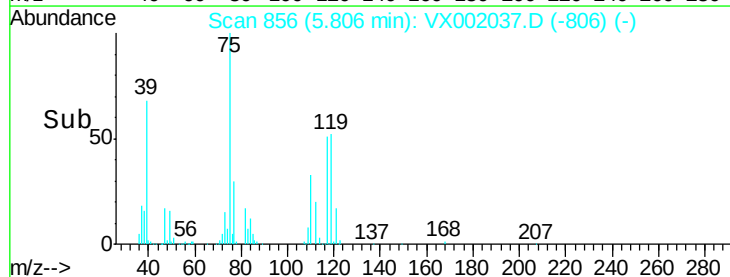
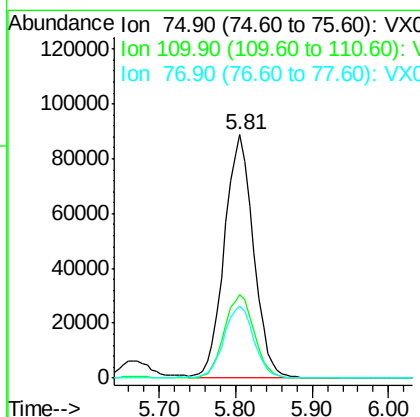
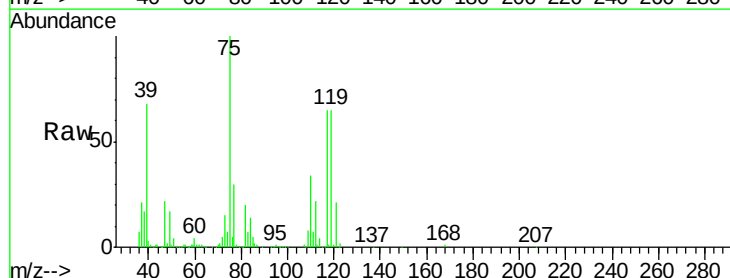
Manual Integrations
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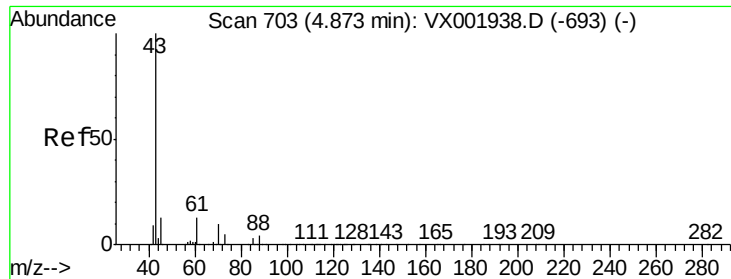
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 45.20 ug/l
 RT: 5.81 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	231772		
110	35.8	17.4	52.2	
77	30.3	24.4	36.6	





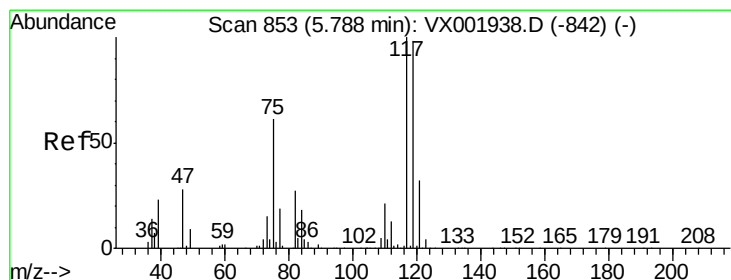
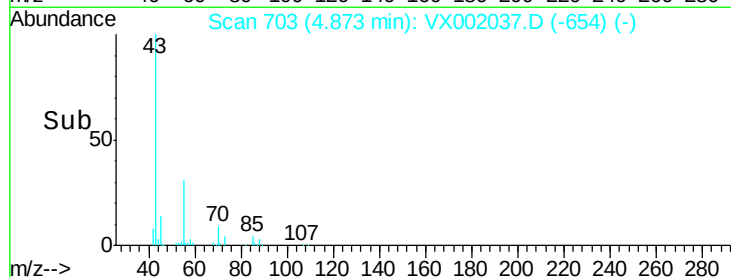
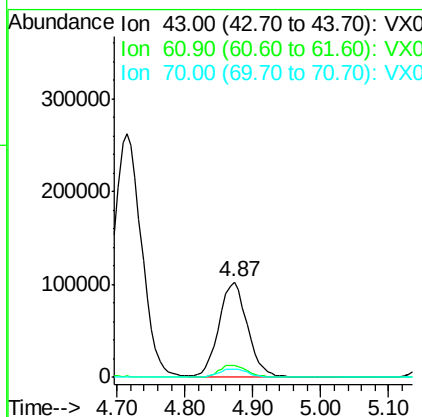
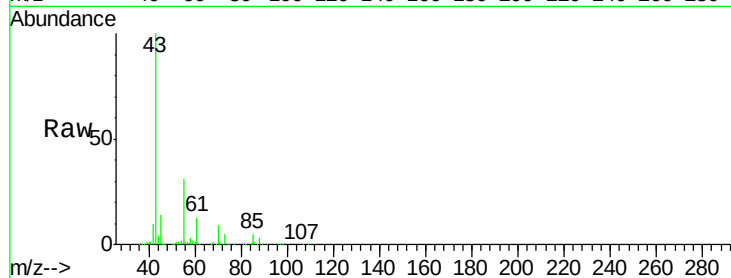
#37
Ethyl Acetate
Concen: 44.31 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.5	7.8	11.8

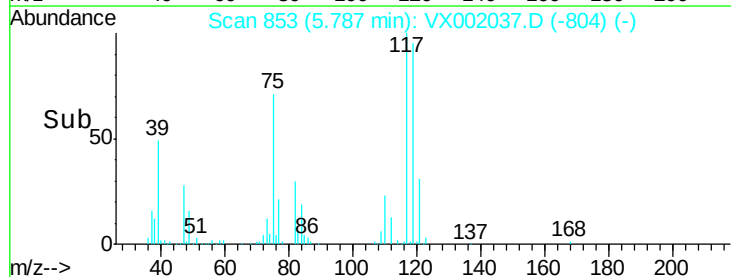
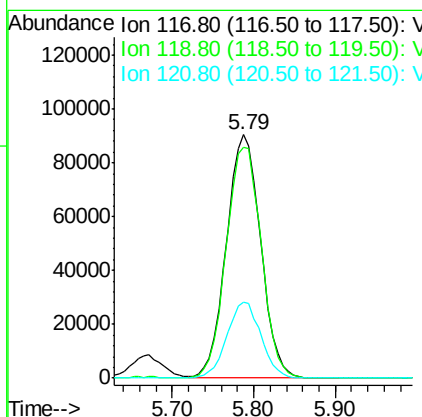
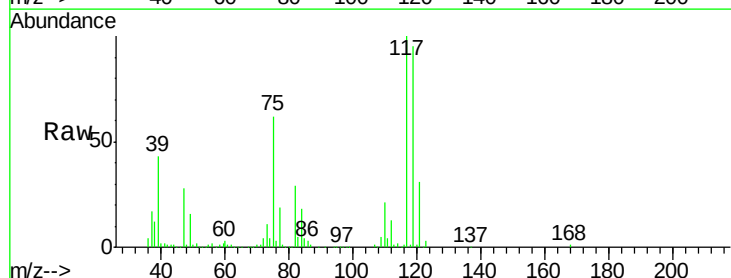
Manual Integrations
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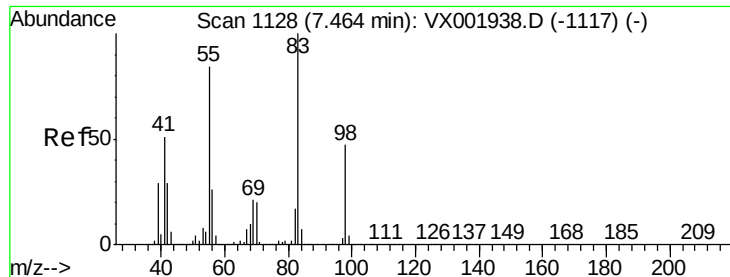
MMDadoda
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#38
Carbon Tetrachloride
Concen: 43.81 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.5	117.7
121	31.1	25.5	38.3





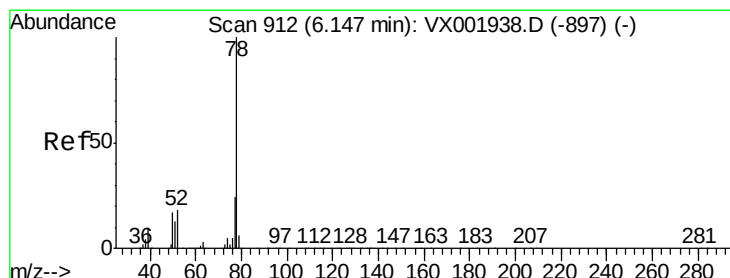
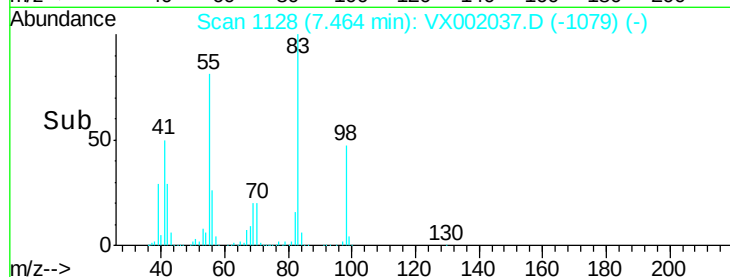
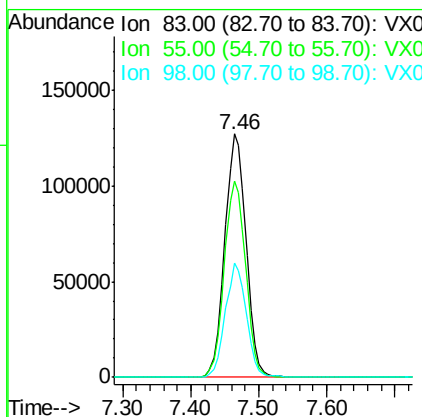
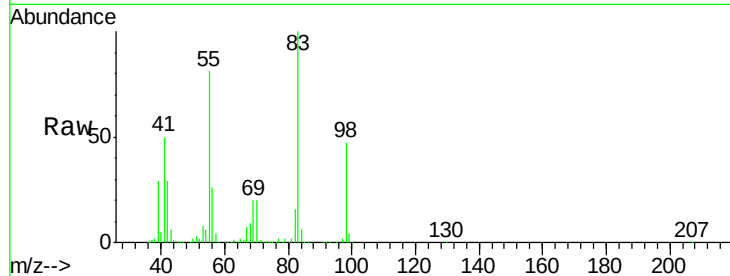
#39
Methylvlcyclohexane
Concen: 43.97 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	277017		
55	80.7	67.3	100.9	
98	47.0	37.5	56.3	

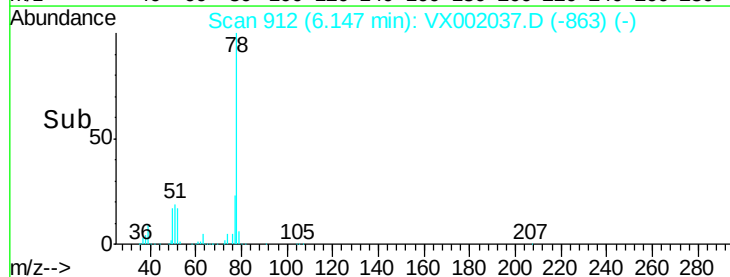
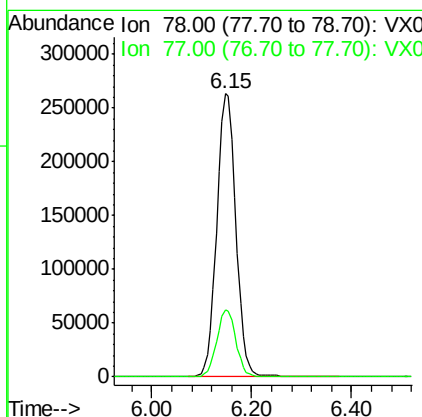
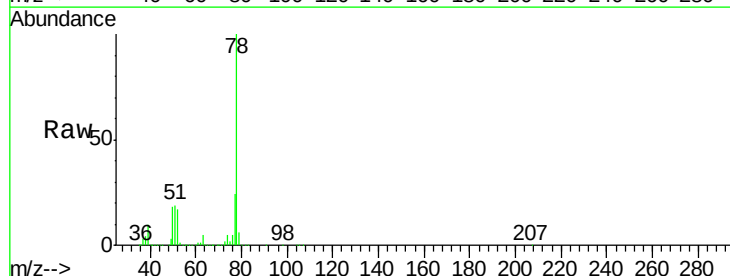
Manual Integrations
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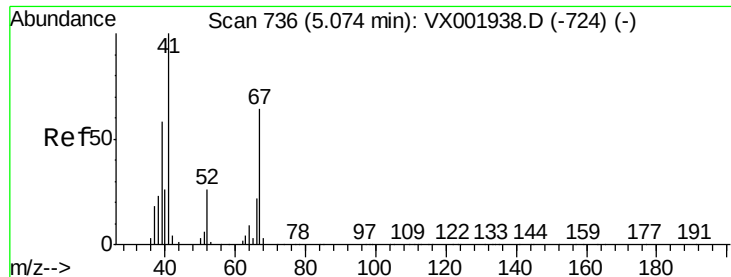
MMDadoda
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#40
Benzene
Concen: 46.54 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	699178		
77	23.6	19.1	28.7	





#41

Methacrylonitrile

Concen: 47.51 ug/l

RT: 5.07 min Scan# 735

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

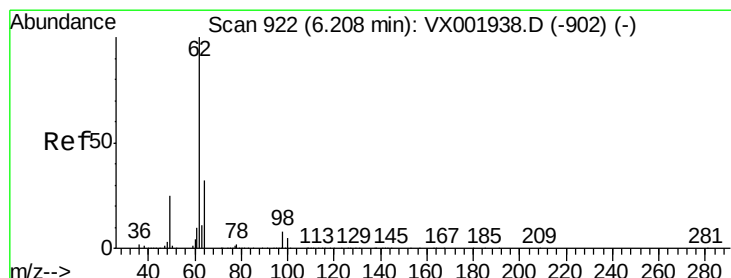
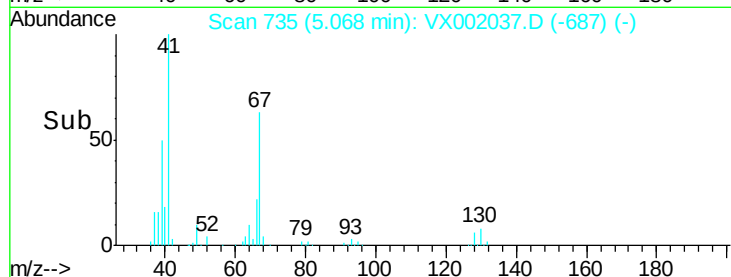
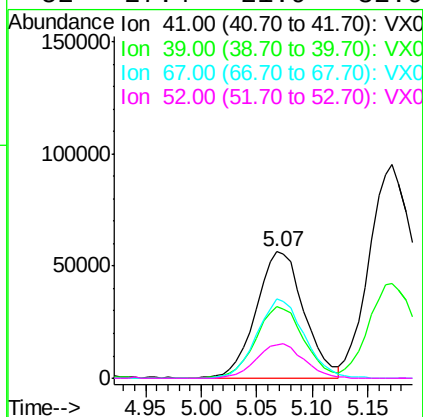
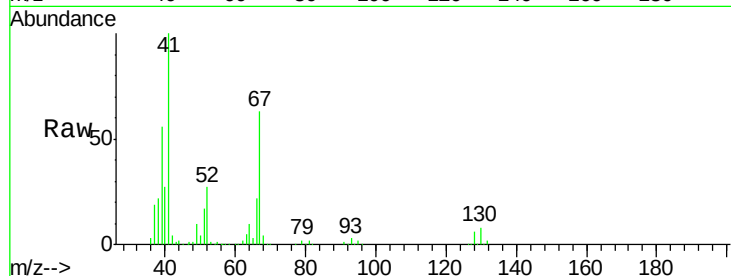
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.0	69.0
67	62.5	50.6	75.8
52	27.4	21.9	32.9

Manual Integrations
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5/30/2018 1:50:11 PM



#42

1,2-Dichloroethane

Concen: 45.80 ug/l

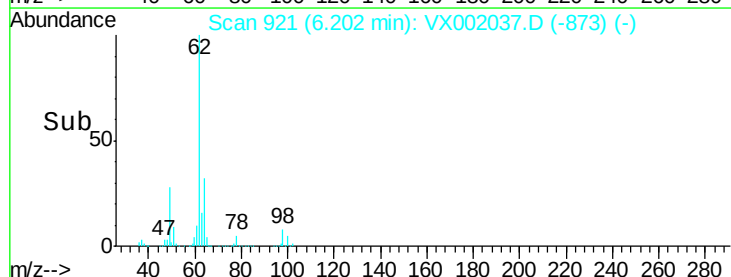
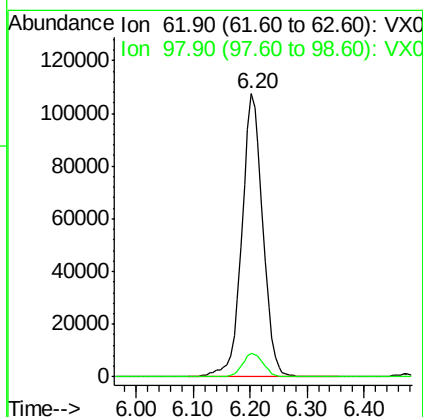
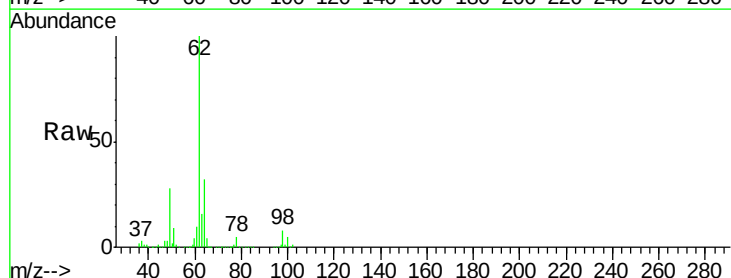
RT: 6.20 min Scan# 921

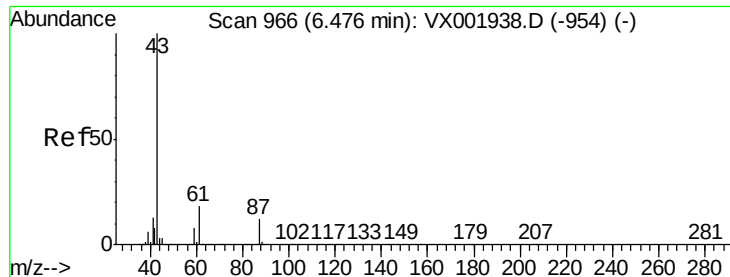
Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 45.06 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

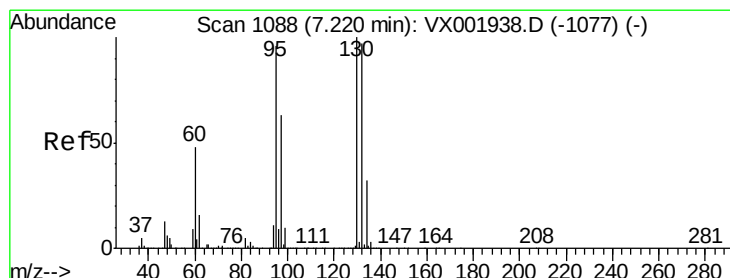
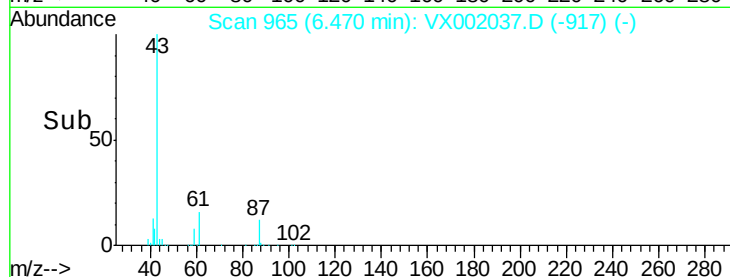
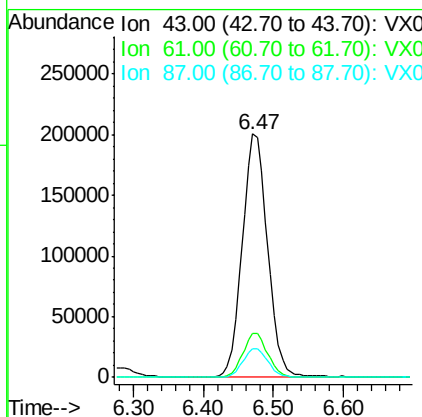
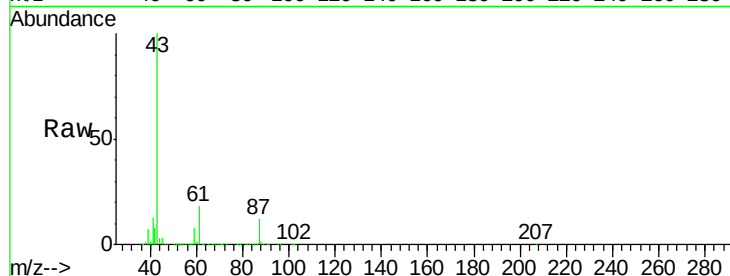
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	501880
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.5	21.7
87	11.9	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 44.94 ug/l

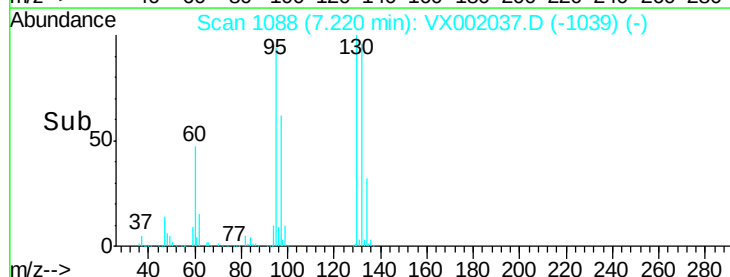
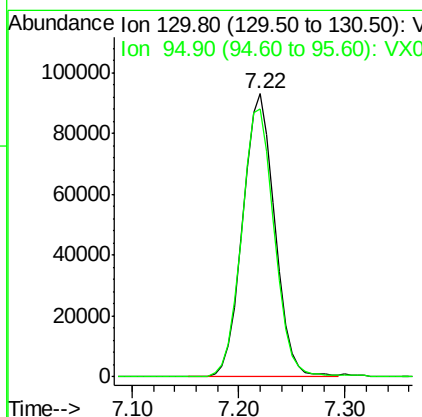
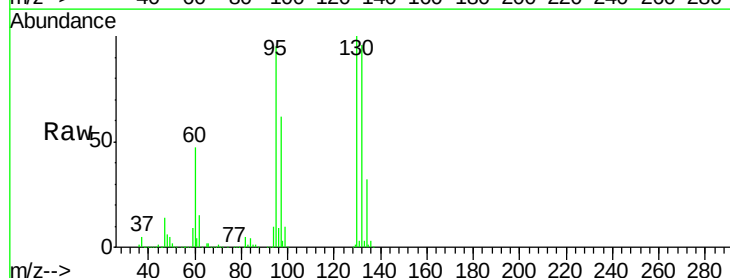
RT: 7.22 min Scan# 1088

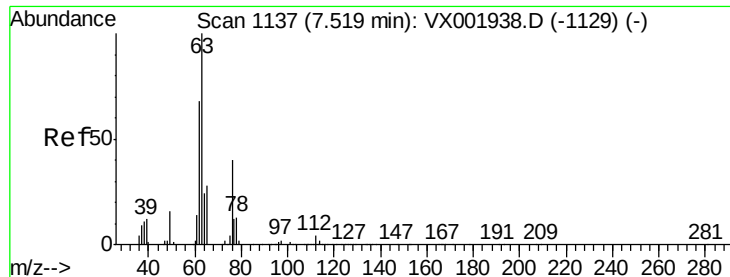
Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion:	130	Resp:	196728
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	192.0





#45

1,2-Dichloropropane

Concen: 46.65 ug/l

RT: 7.52 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VX002037.D

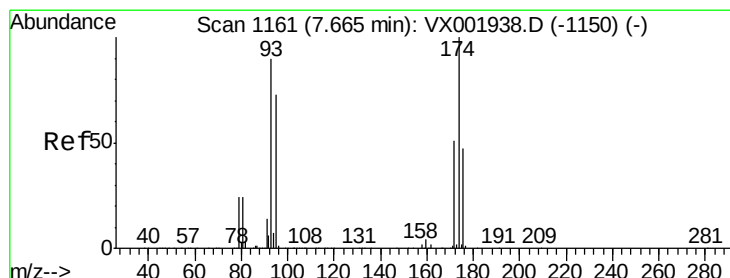
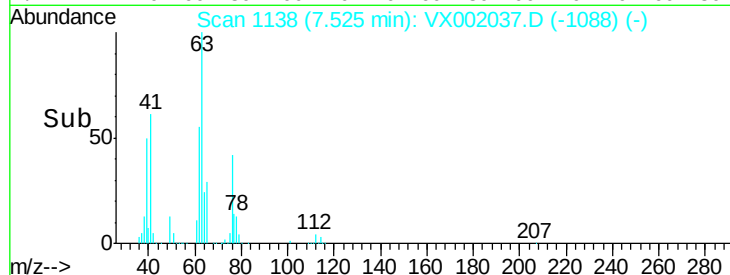
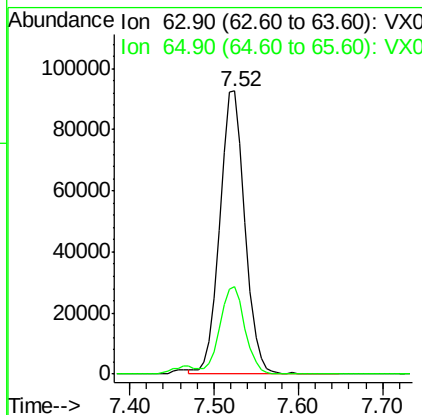
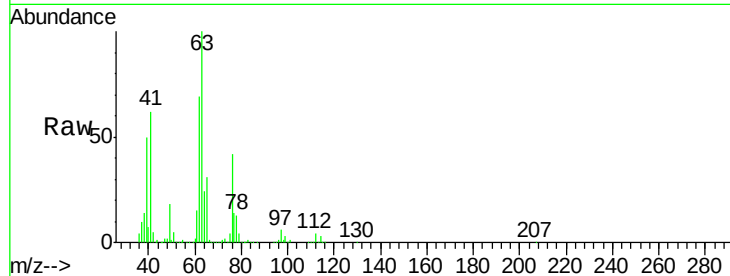
Acq: 26 May 2018 23:26

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#46

Dibromomethane

Concen: 46.46 ug/l

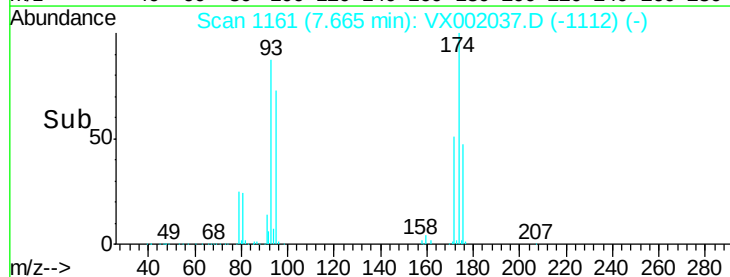
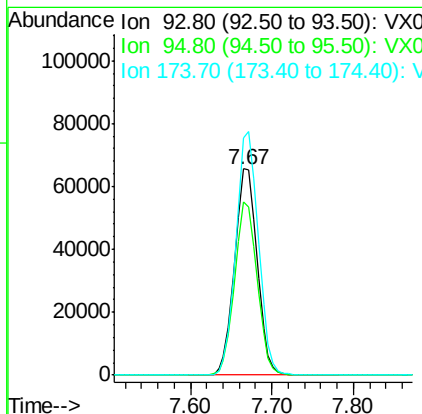
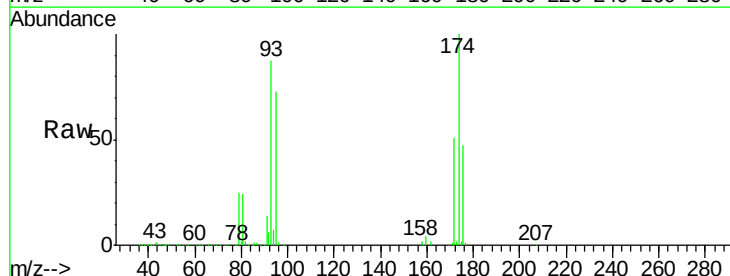
RT: 7.67 min Scan# 1161

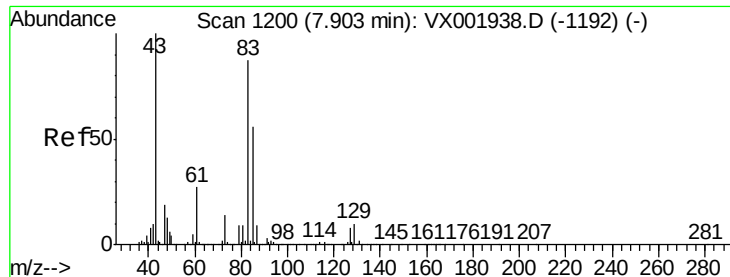
Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.1	99.1
174	116.8	92.5	138.7





#47

Bromodichloromethane

Concen: 44.37 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

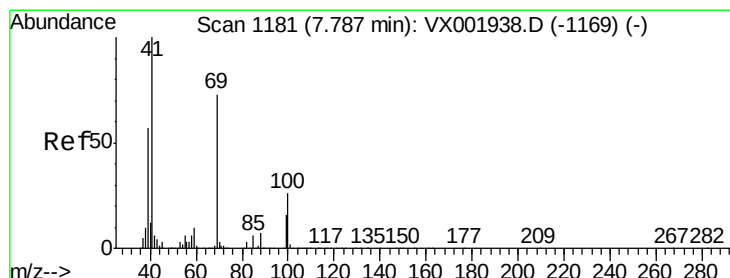
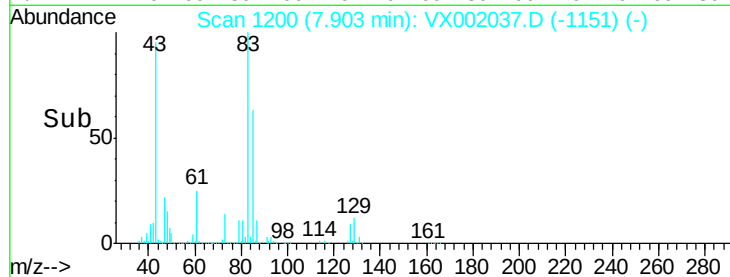
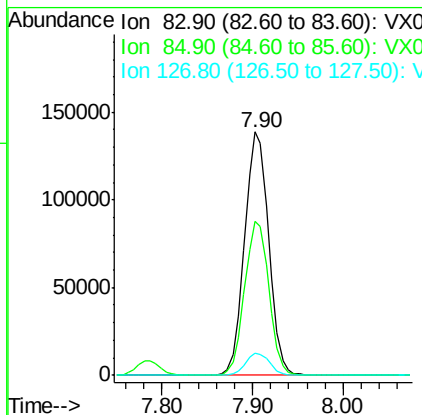
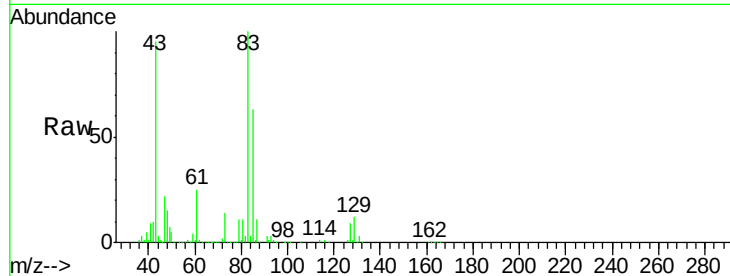
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	255558
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.4	77.2
127	9.1	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.87 ug/l

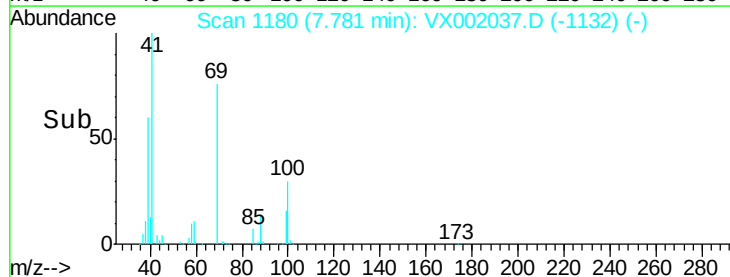
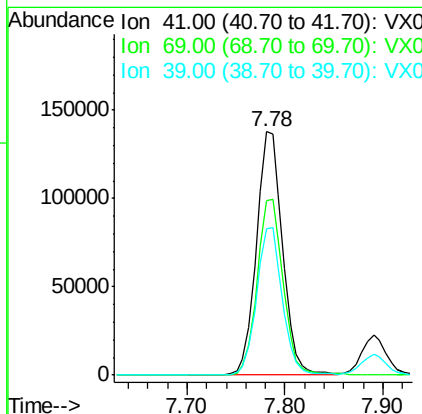
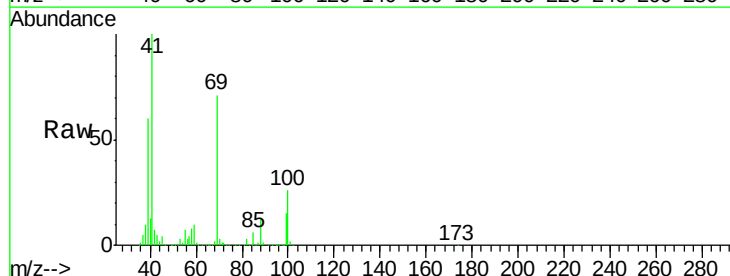
RT: 7.78 min Scan# 1180

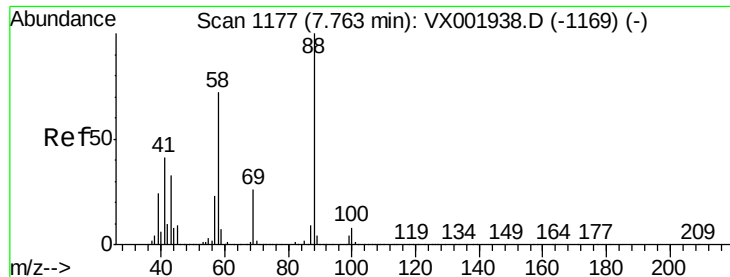
Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion:	41	Resp:	254391
Ion Ratio	Lower	Upper	
41	100		
69	72.2	58.6	87.8
39	59.8	46.3	69.5





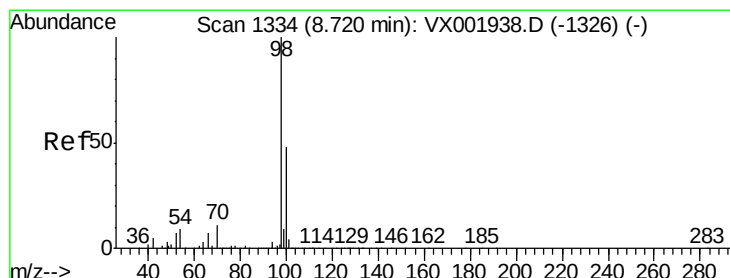
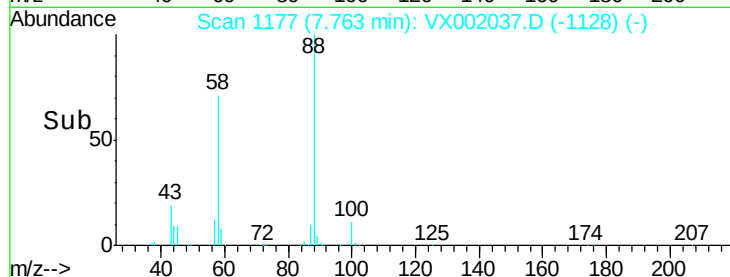
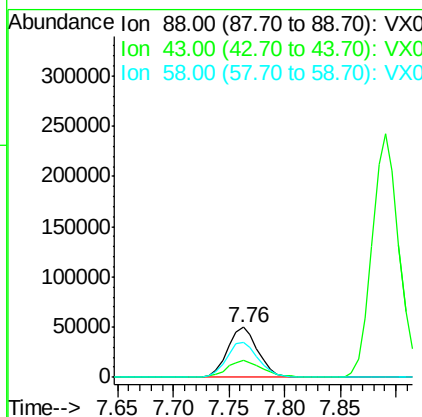
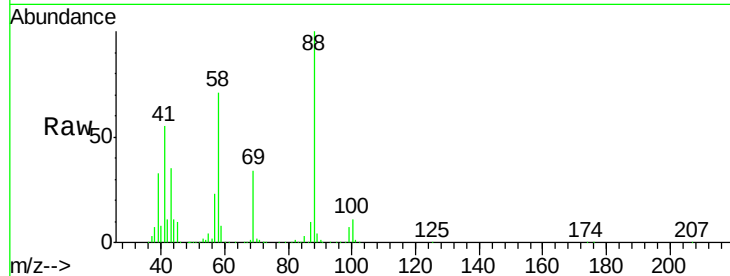
#49
 1,4-Dioxane
 Concen: 939.43 ug/l
 RT: 7.76 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	29.8	44.8
58	74.2	58.7	88.1

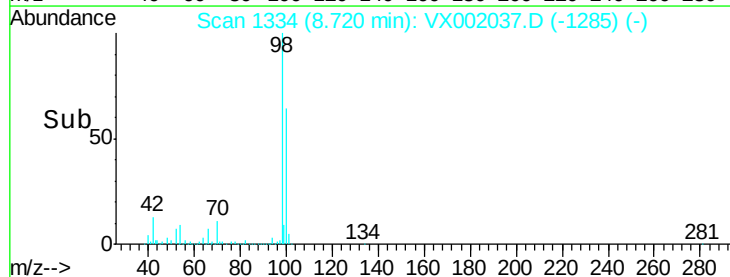
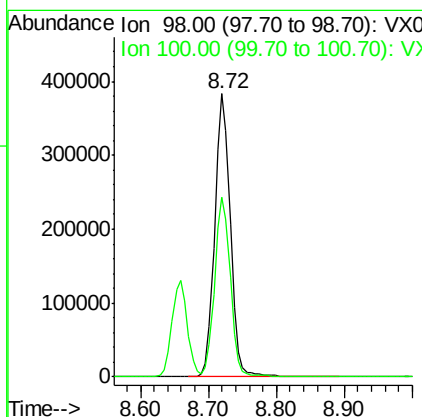
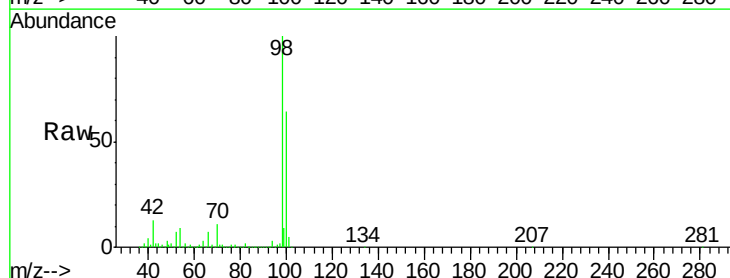
Manual Integrations
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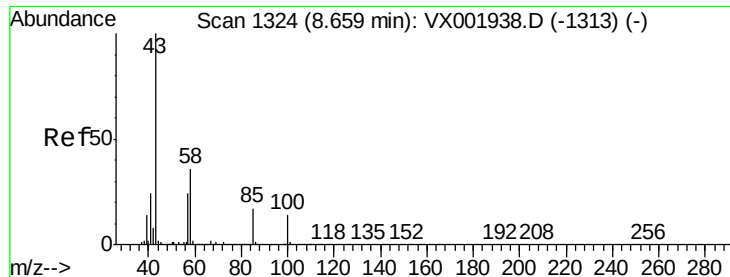
MMDadoda
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#50
 Toluene-d8
 Concen: 45.75 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 233.38 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tot Ion: 43 Resp: 1567089

Ion Ratio Lower Upper

43 100

58 35.4 28.5 42.7

Instrument :

MSVOA_X

ClientSampleId :

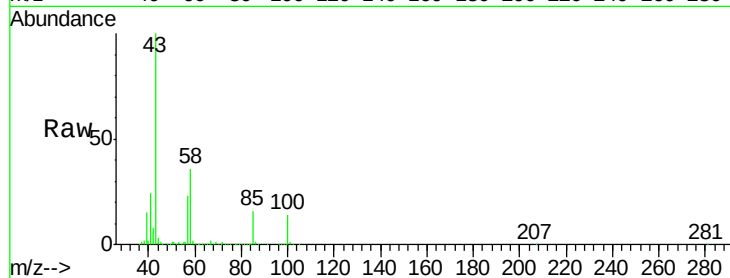
VSTDCCC050EC

Manual Integrations

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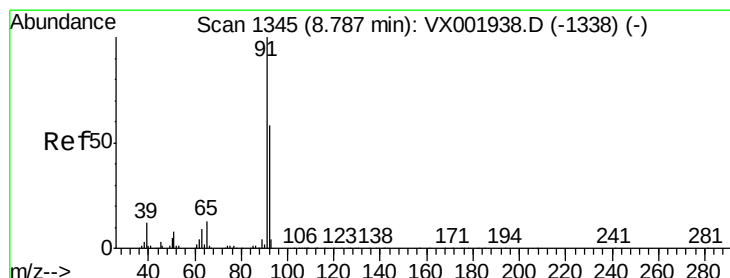
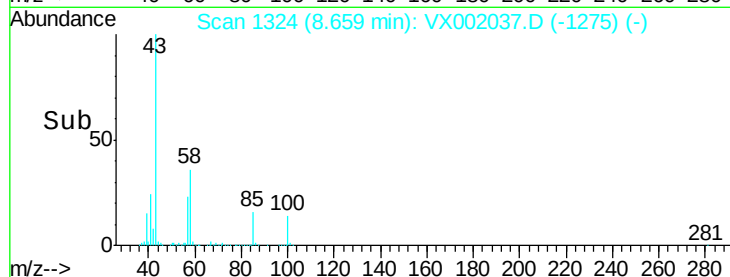
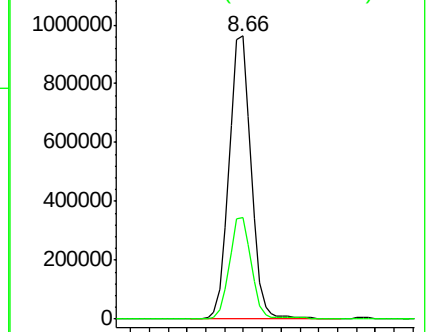
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.55 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002037.D

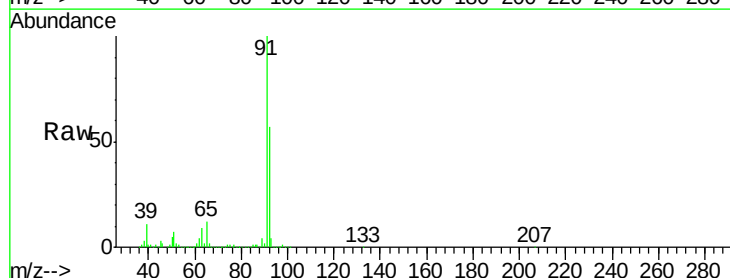
Acq: 26 May 2018 23:26

Tgt Ion: 92 Resp: 445070

Ion Ratio Lower Upper

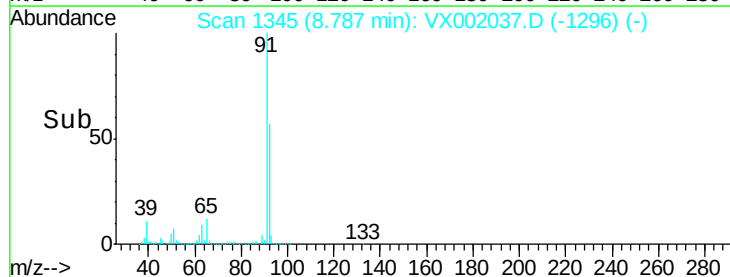
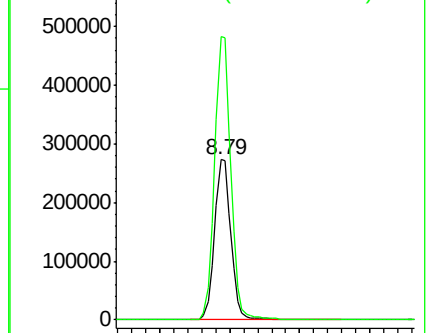
92 100

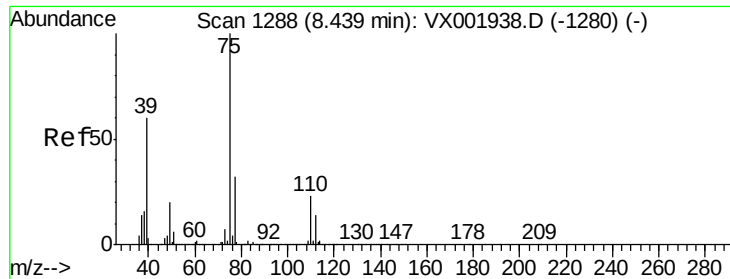
91 175.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 43.32 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 287357

Ion Ratio Lower Upper

75 100

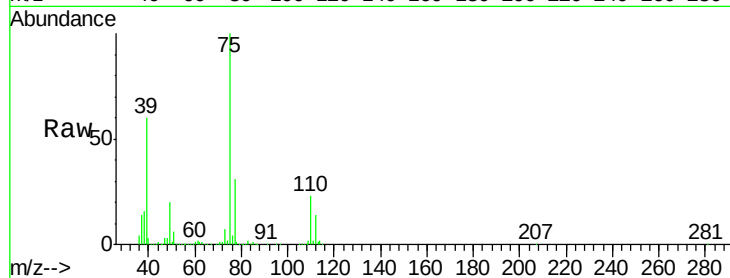
77 31.0 25.5 38.3

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.44

200000

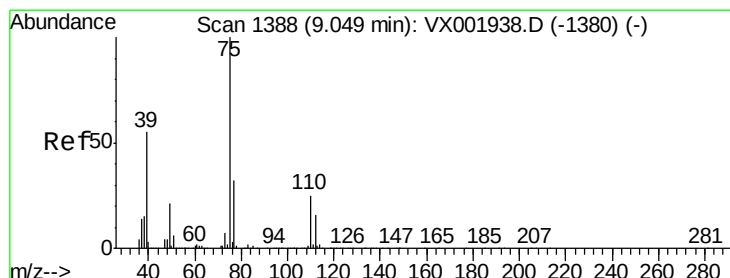
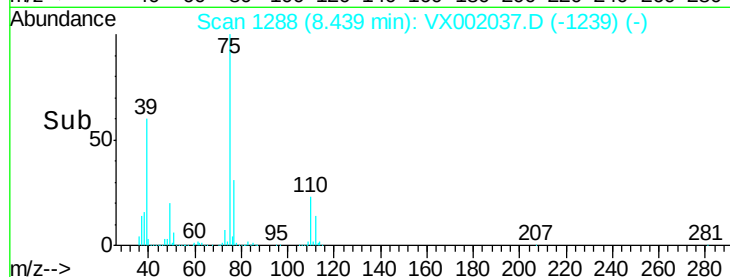
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 43.51 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

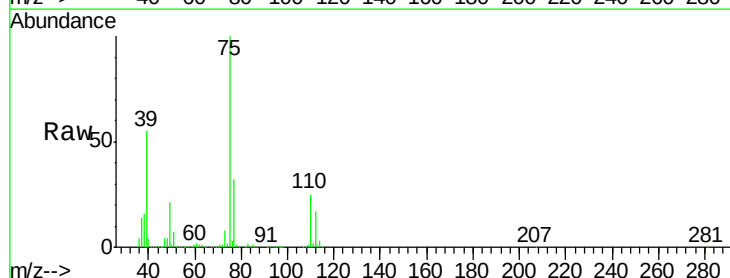
Tgt Ion: 75 Resp: 281253

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 54.8 44.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

9.05

250000

200000

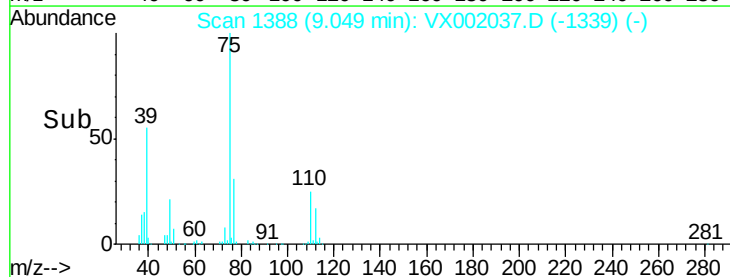
150000

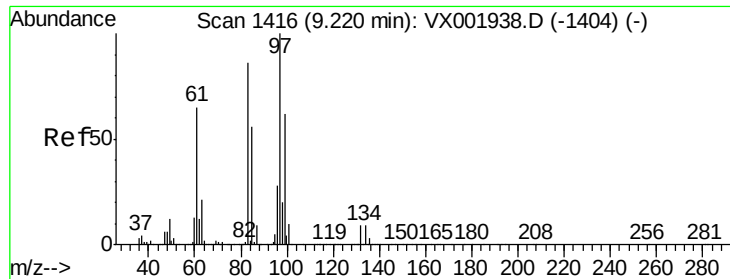
100000

50000

0

Time-->





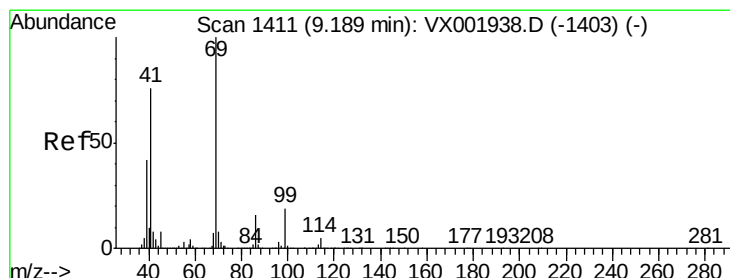
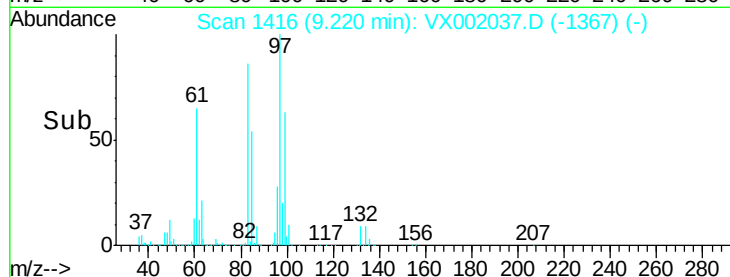
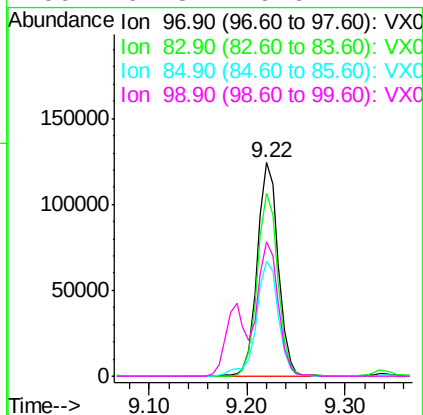
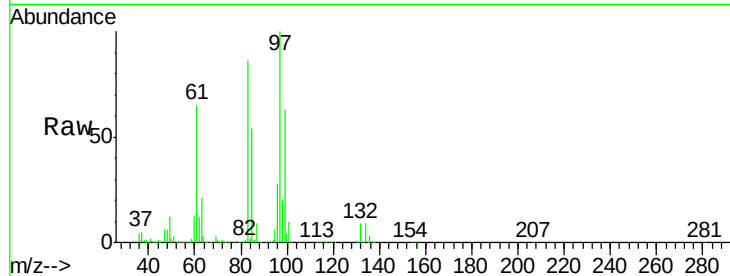
#55
 1,1,2-Trichloroethane
 Concen: 46.26 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	184740
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.1	103.7
85	54.0	45.2	67.8
99	62.8	49.6	74.4

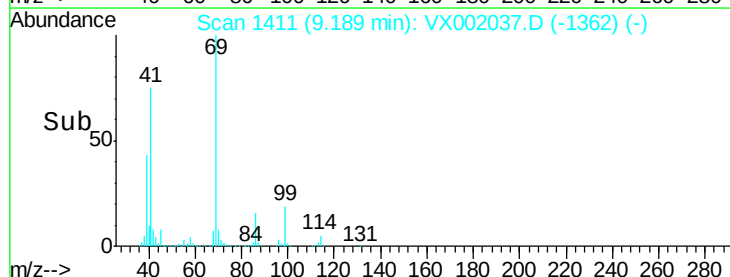
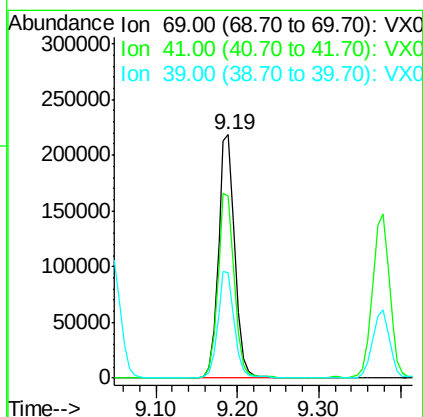
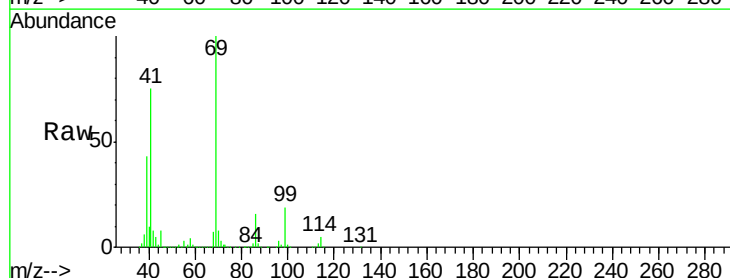
Manual Integrations
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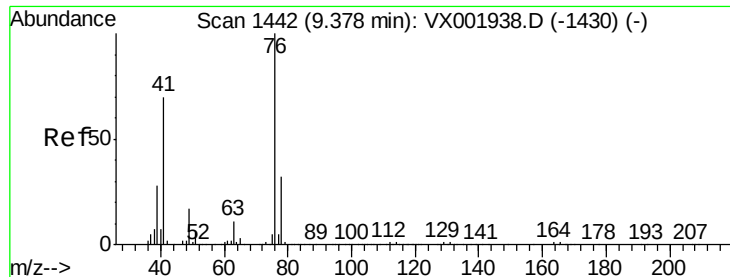
MMDadoda
 5/30/2018 1:50:11 PM



#56
 Ethyl methacrylate
 Concen: 44.86 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion:	69	Resp:	308150
Ion	Ratio	Lower	Upper
69	100		
41	76.7	61.0	91.6
39	43.9	34.4	51.6





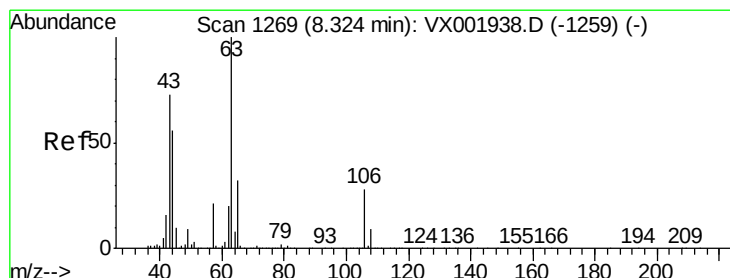
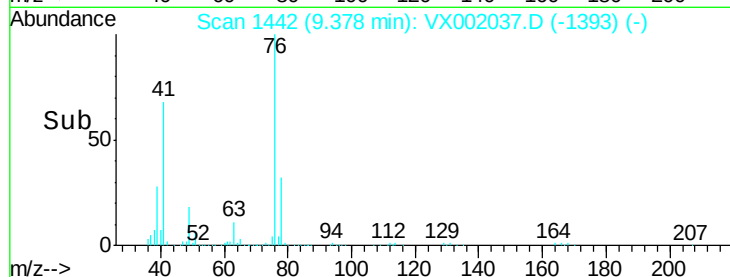
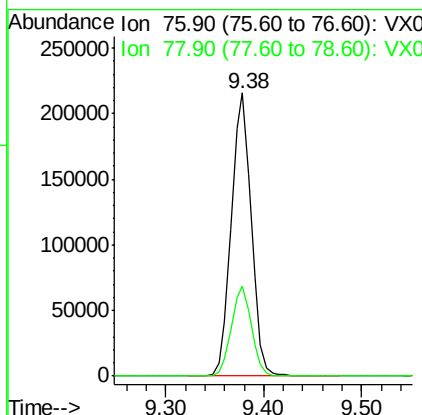
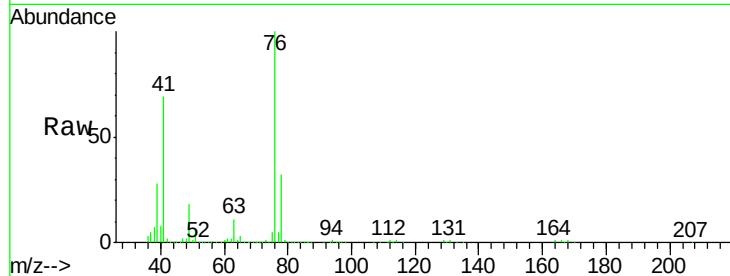
#57
 1,3-Dichloropropane
 Concen: 46.47 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.6	38.4

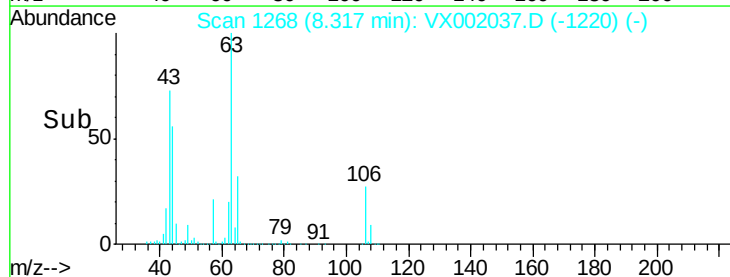
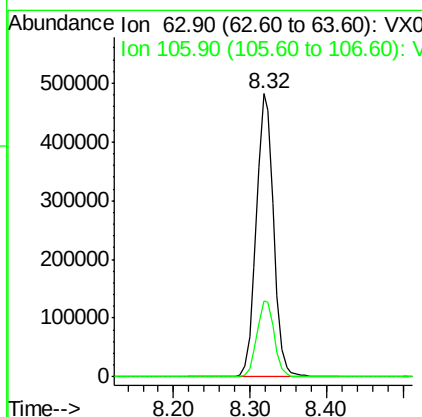
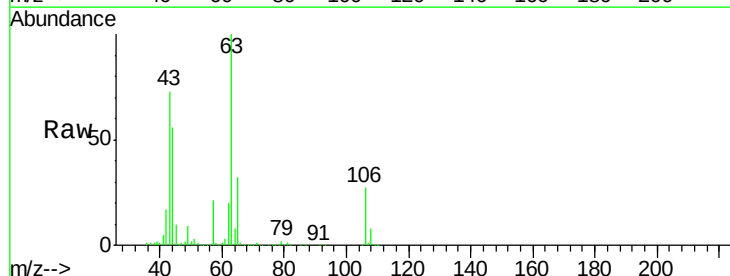
Manual Integrations
 APPROVED

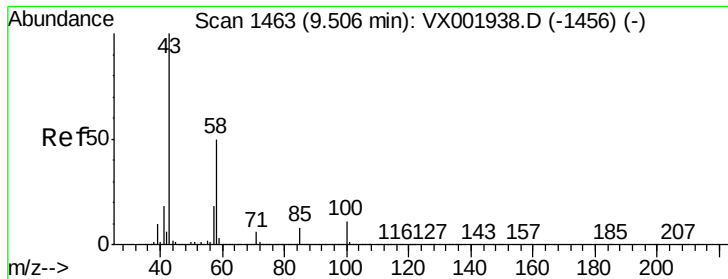
MMDadoda
 5/30/2018 1:50:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.51 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.7	32.5





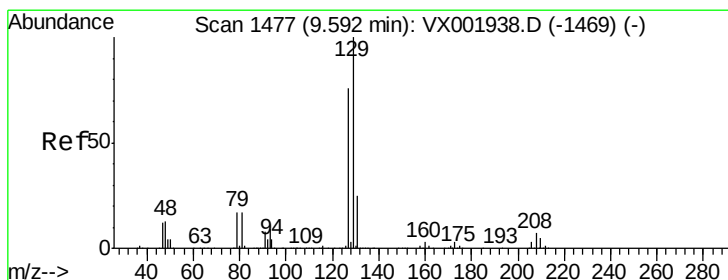
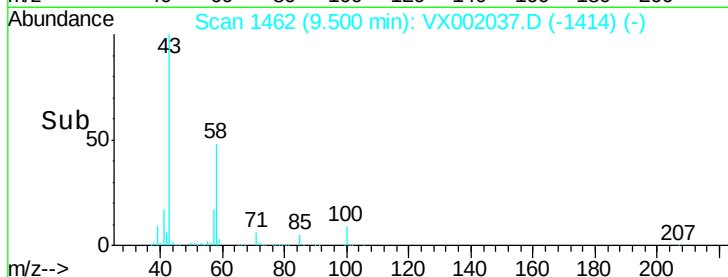
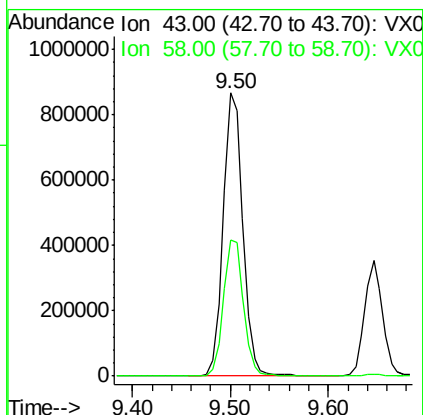
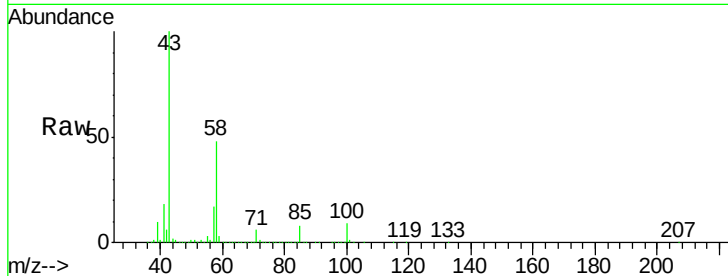
#59
2-Hexanone
Concen: 233.18 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1207250
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6

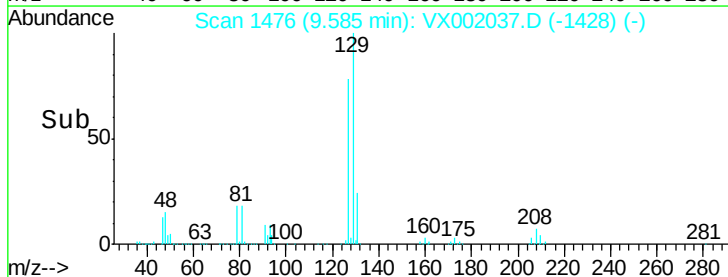
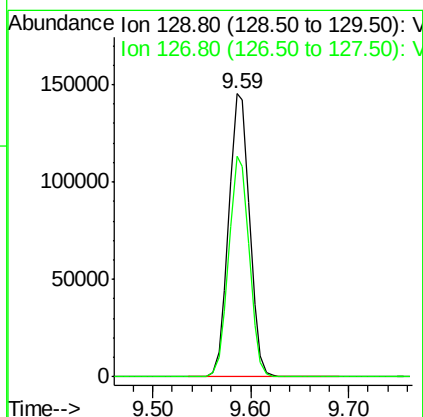
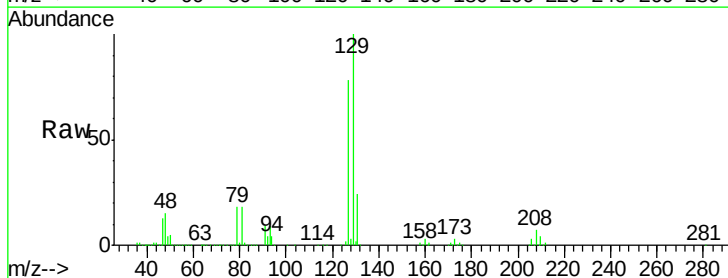
Manual Integrations
APPROVED

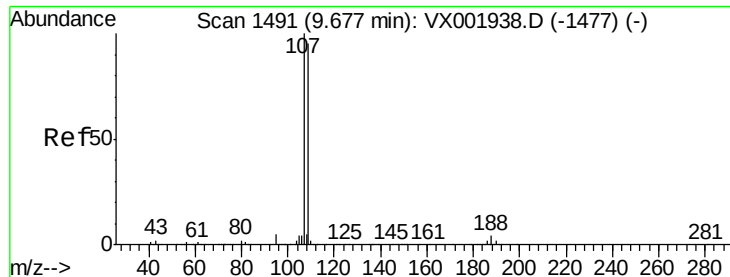
MMDadoda
5/30/2018 1:50:11 PM



#60
Dibromochloromethane
Concen: 45.53 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion: 129 Resp: 215392
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 46.81 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 196157

Ion Ratio Lower Upper

107 100

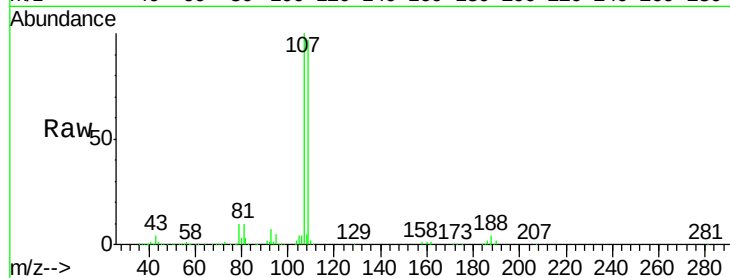
109 95.4 75.3 112.9

Manual Integrations

APPROVED

MMDadoda

5/30/2018 1:50:11 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

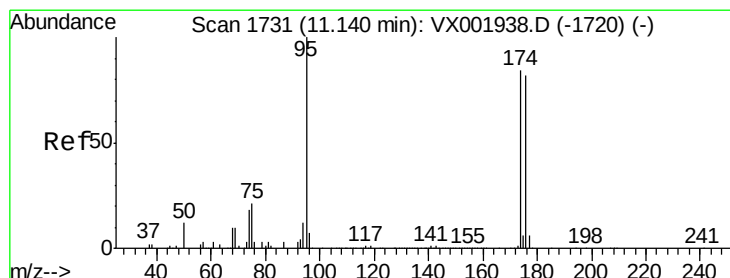
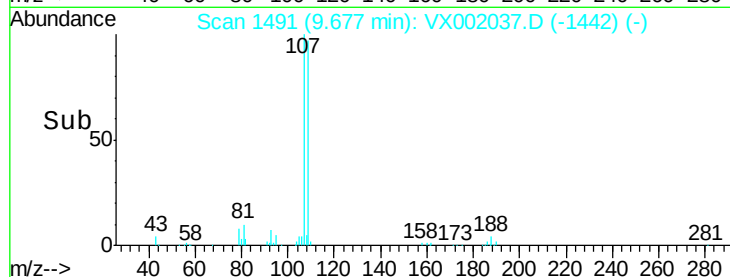
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

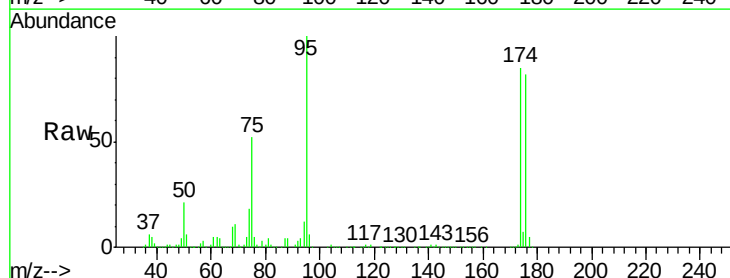
Tgt Ion: 95 Resp: 238361

Ion Ratio Lower Upper

95 100

174 91.9 0.0 178.8

176 89.1 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

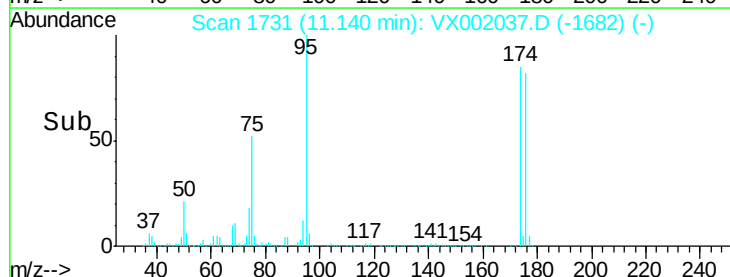
150000

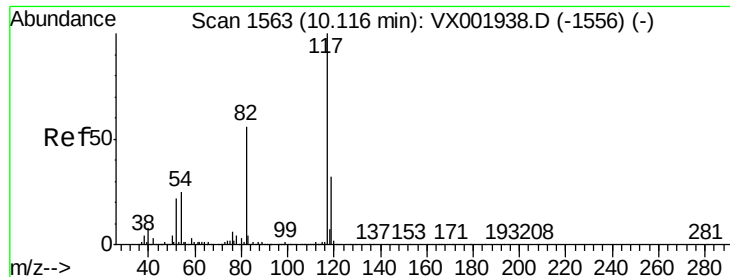
100000

50000

0

Time-->





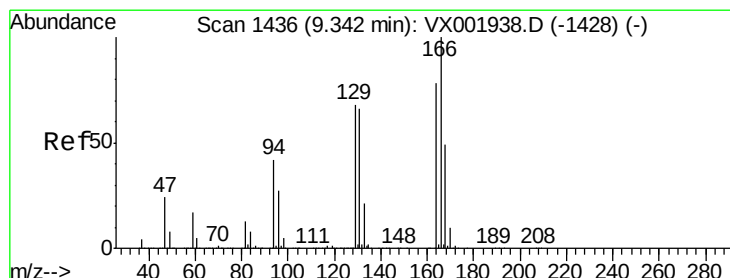
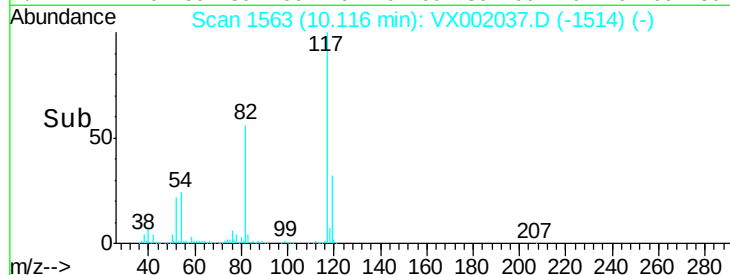
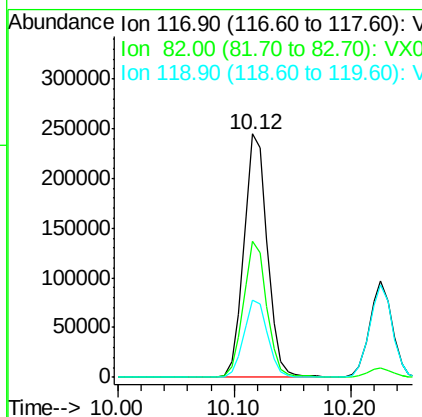
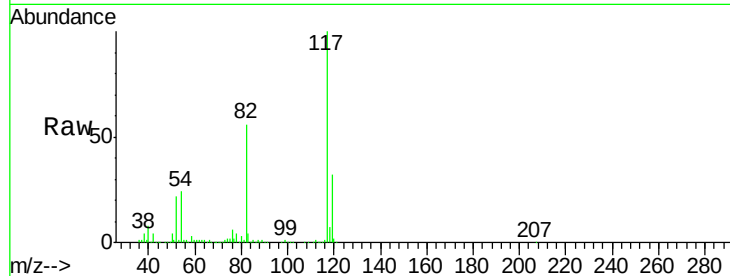
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.8	67.2
119	31.9	25.5	38.3

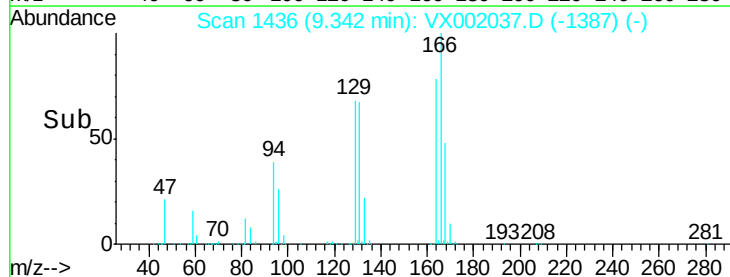
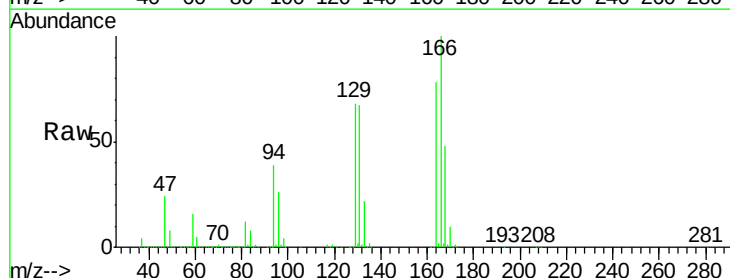
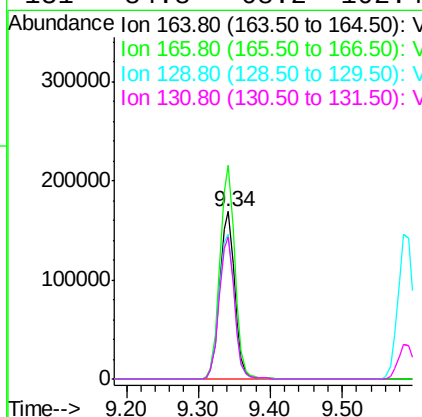
Manual Integrations
APPROVED

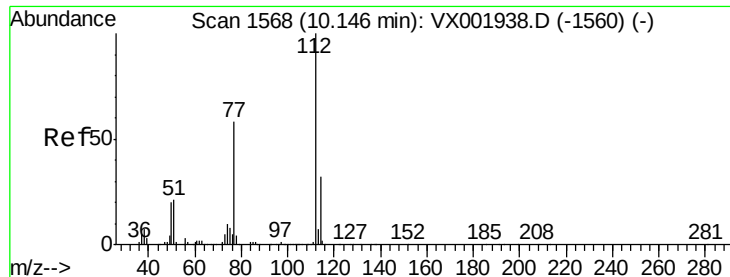
MMDadoda
5/30/2018 1:50:11 PM



#64
Tetrachloroethene
Concen: 49.34 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.7	154.1
129	86.6	70.3	105.5
131	84.8	68.2	102.4





#65

Chlorobenzene

Concen: 46.26 ug/l

RT: 10.15 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 505265

Ion Ratio Lower Upper

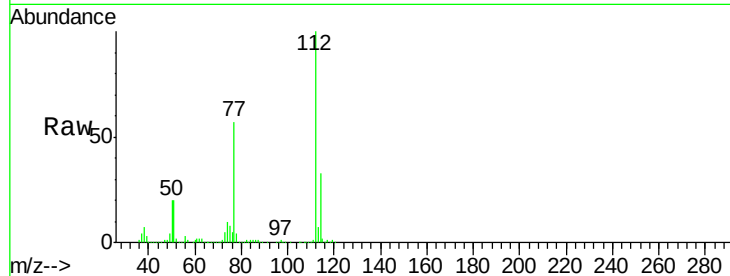
112 100

114 32.8 25.9 38.9

Manual Integrations
APPROVED

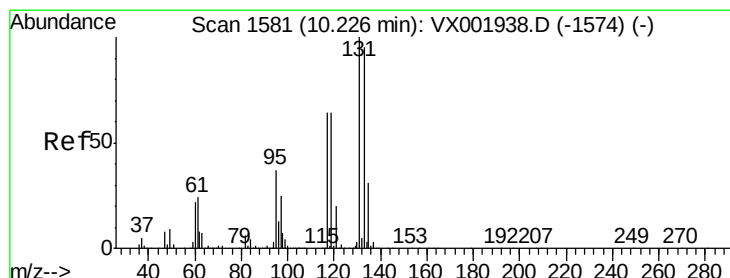
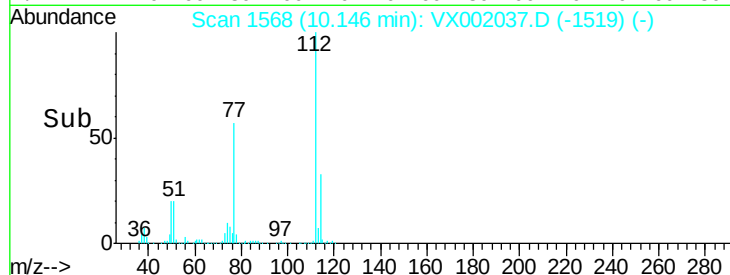
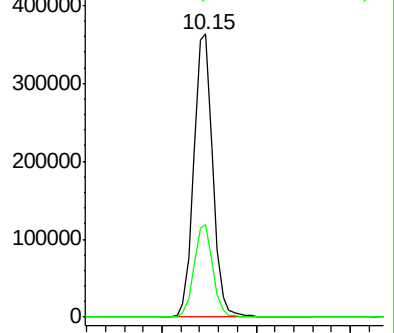
MMDadoda

5/30/2018 1:50:11 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 45.30 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

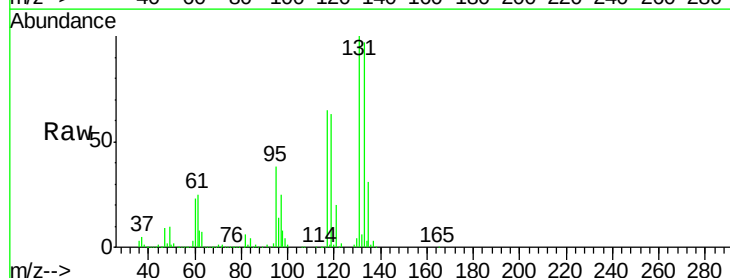
Tgt Ion:131 Resp: 199767

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.0

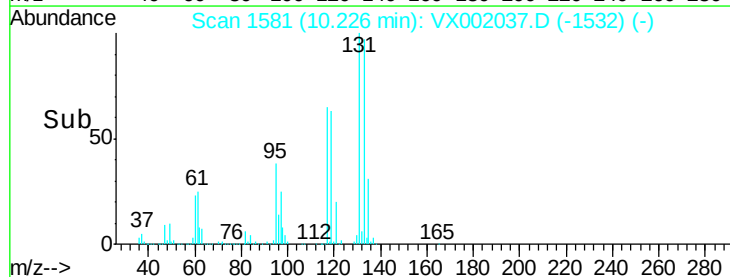
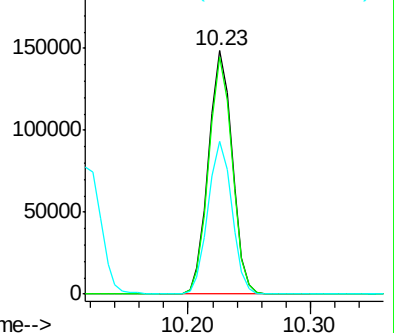
119 63.1 31.9 95.5

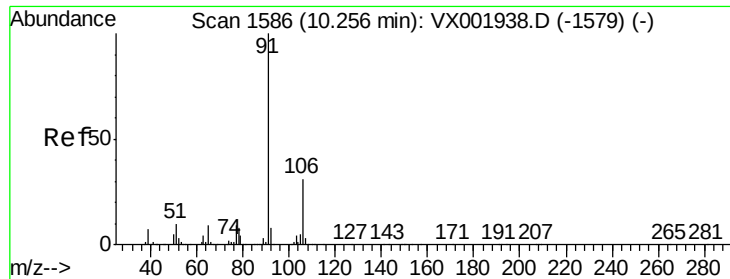


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





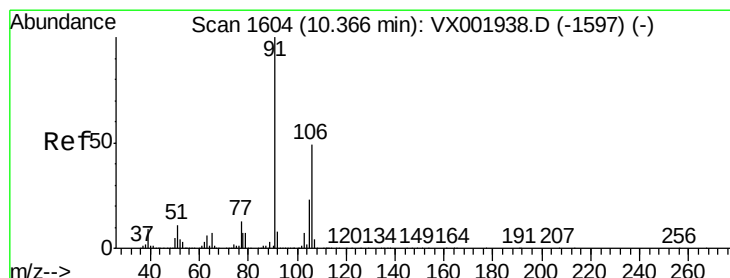
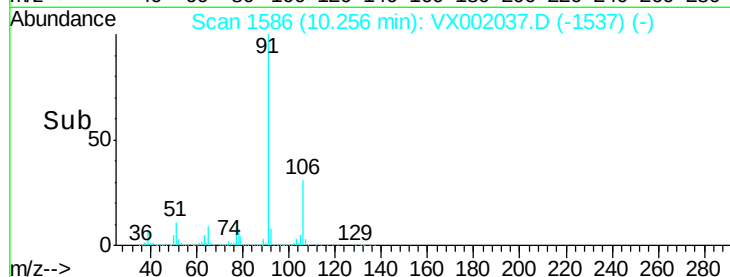
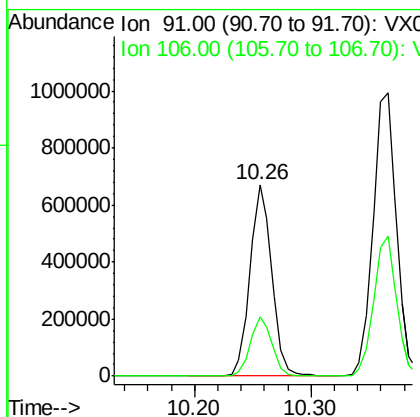
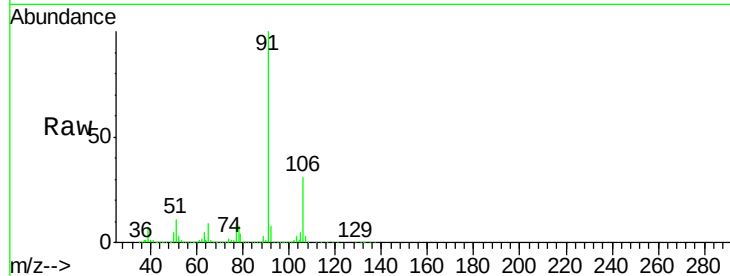
#67
Ethyl Benzene
Concen: 46.34 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.0	37.6

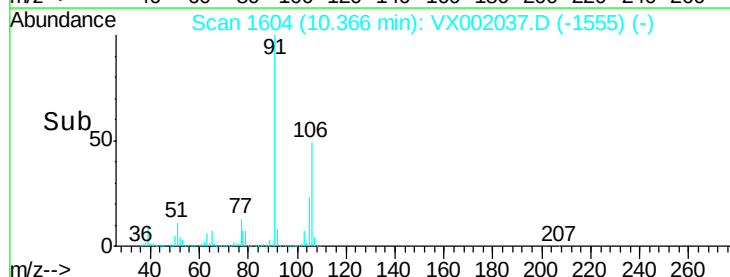
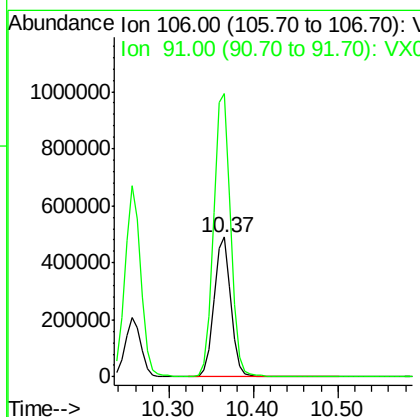
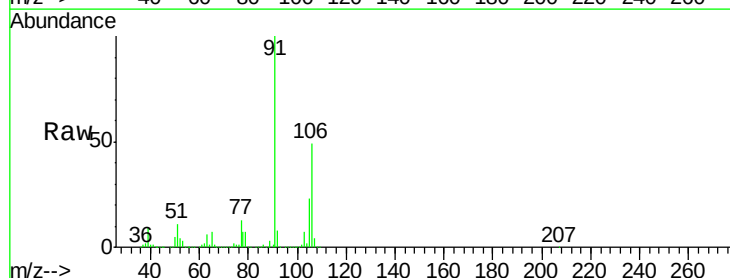
Manual Integrations
APPROVED

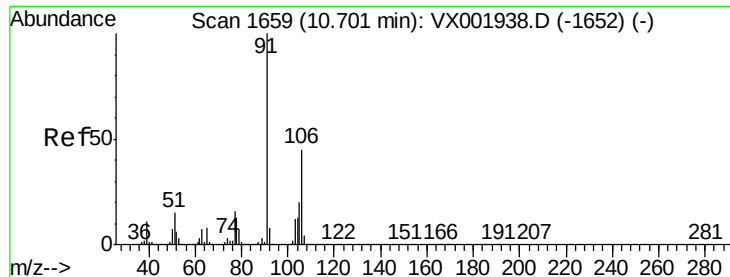
MMDadoda
5/30/2018 1:50:11 PM



#68
m/p-Xylenes
Concen: 92.83 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.3	165.0	247.6





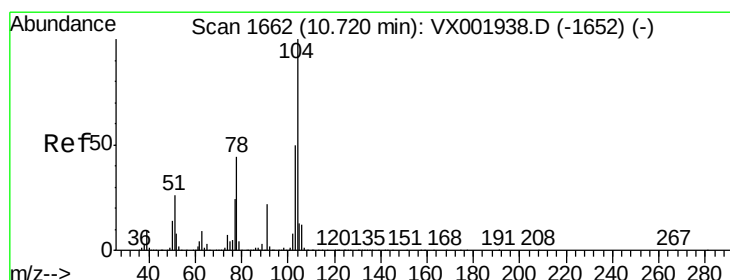
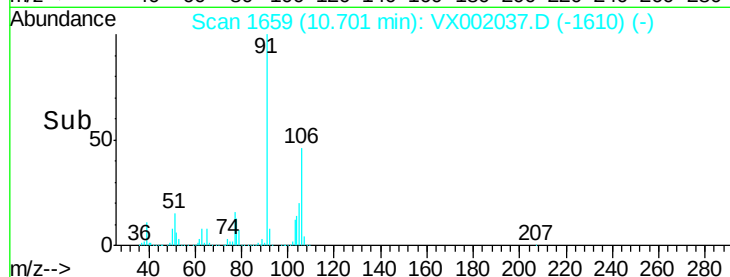
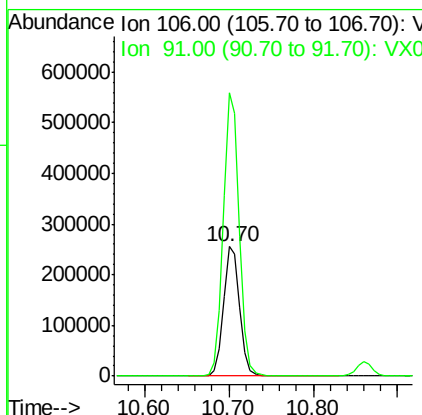
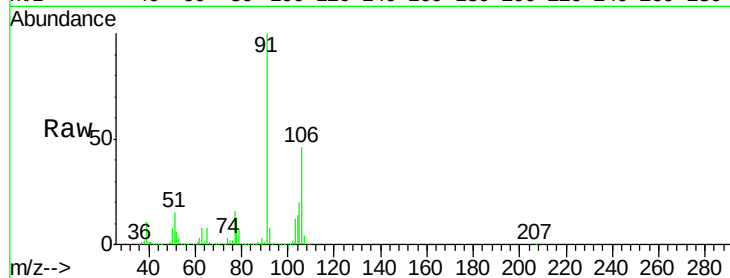
#69
o-Xylene
Concen: 46.54 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 337077
Ion Ratio Lower Upper
106 100
91 217.1 108.7 325.9

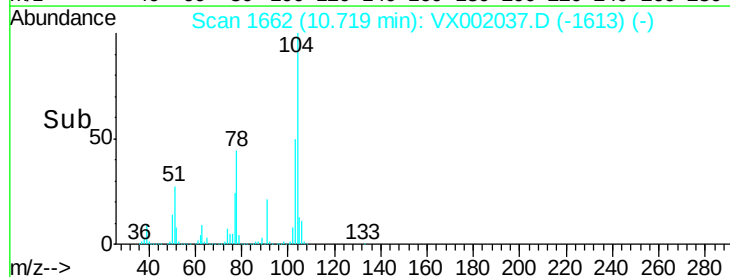
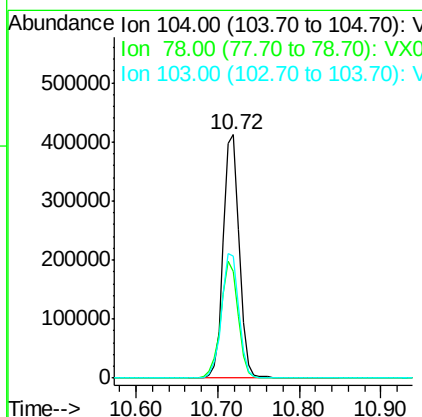
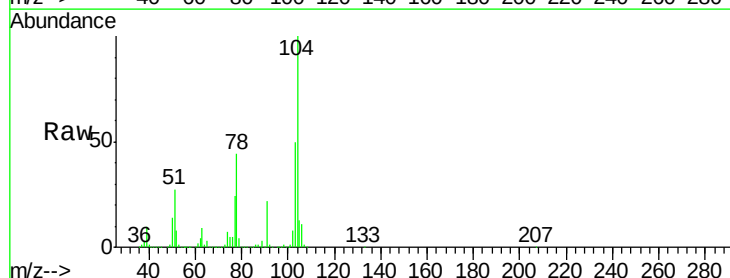
Manual Integrations
APPROVED

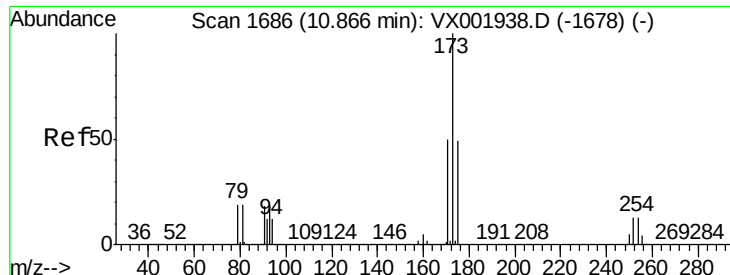
MMDadoda
5/30/2018 1:50:11 PM



#70
Styrene
Concen: 46.73 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion:104 Resp: 561258
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.6
103 55.8 44.6 67.0





#71

Bromoform

Concen: 43.28 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

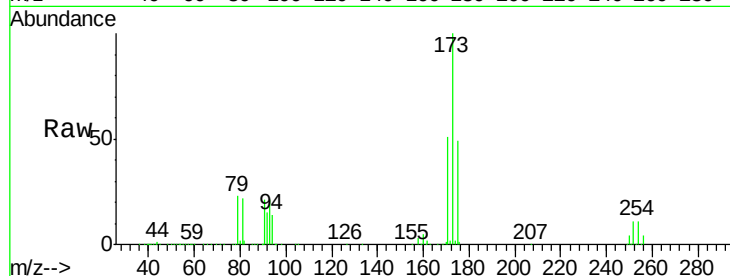
ClientSampleId :

VSTDCCC050EC

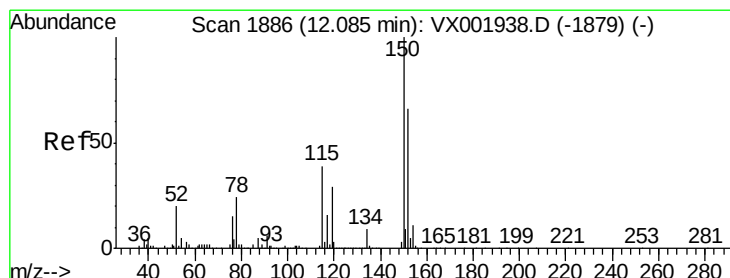
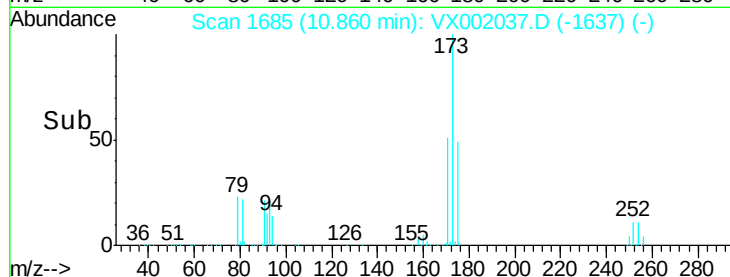
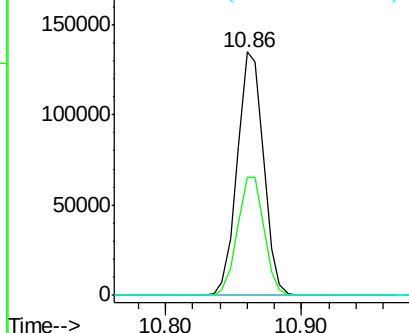
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
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5/30/2018 1:50:11 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

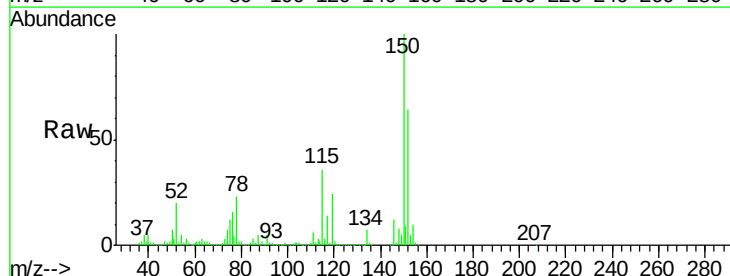
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

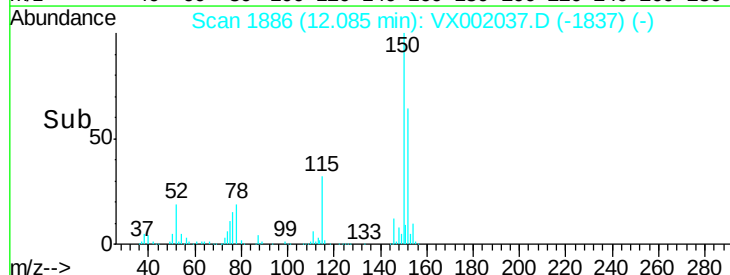
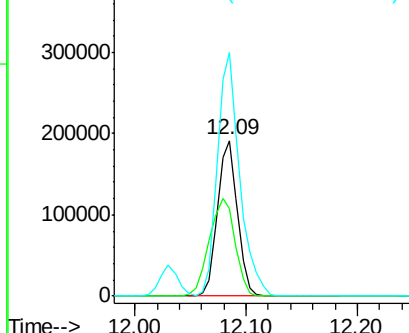
Lab File: VX002037.D

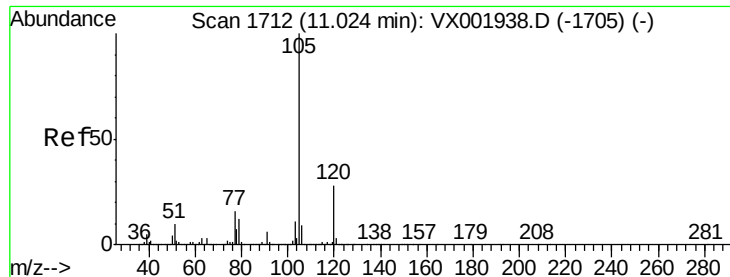
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.2	42.3	126.8
150	176.0	0.0	351.0



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





#73

Isopropylbenzene

Concen: 45.27 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 902126

Ion Ratio Lower Upper

105 100

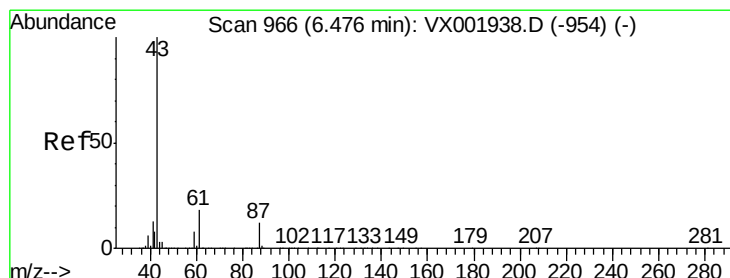
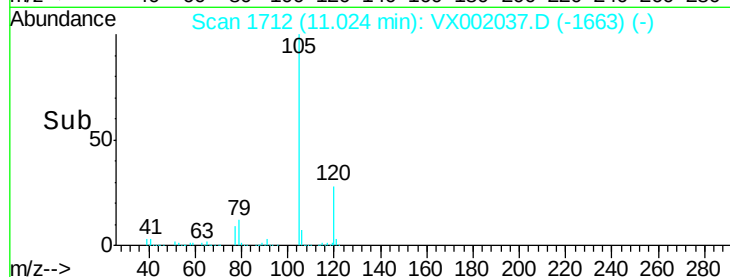
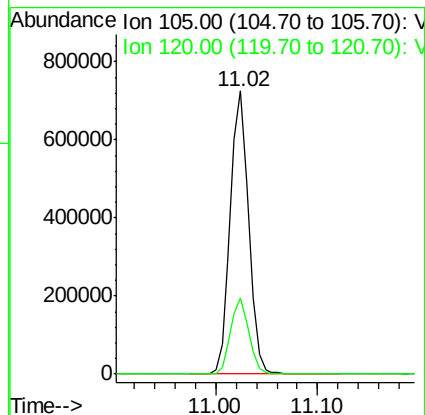
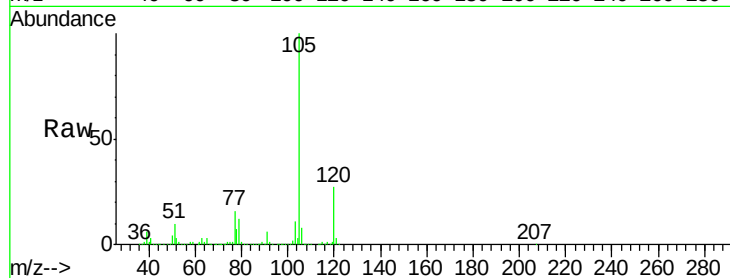
120 26.7 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.45 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion: 43 Resp: 501880

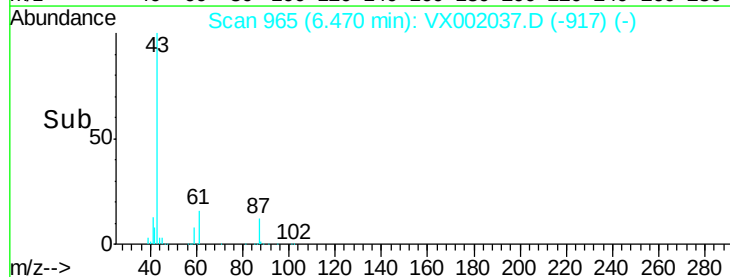
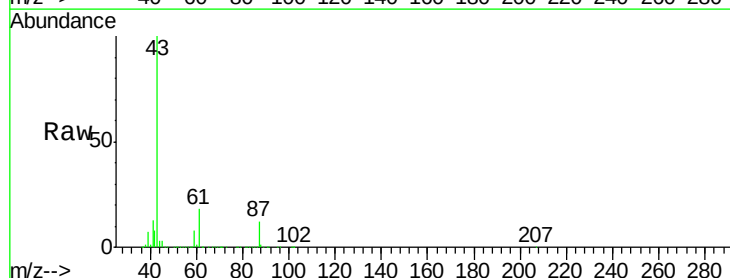
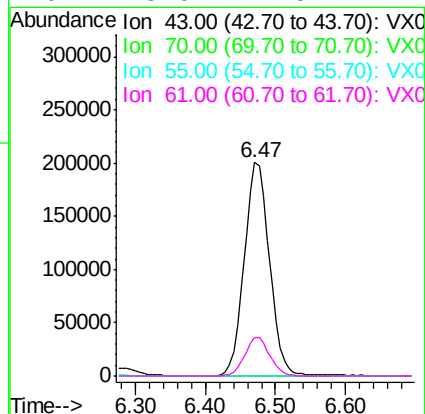
Ion Ratio Lower Upper

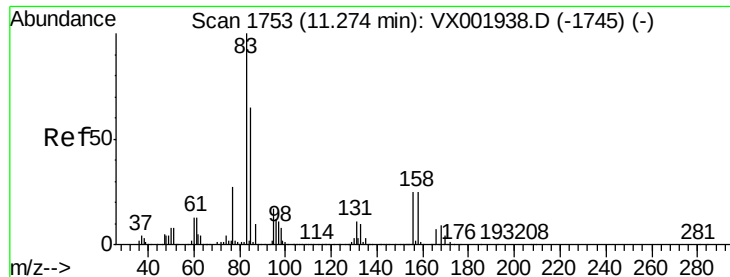
43 100

70 0.0 0.1 0.1#

55 0.1 0.1 0.1#

61 18.0 14.5 21.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.85 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

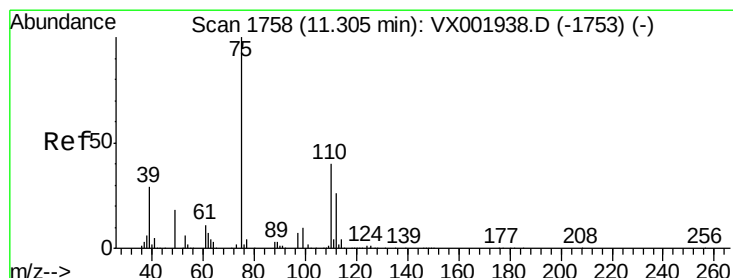
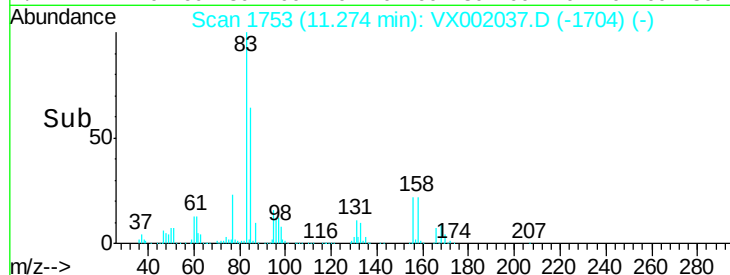
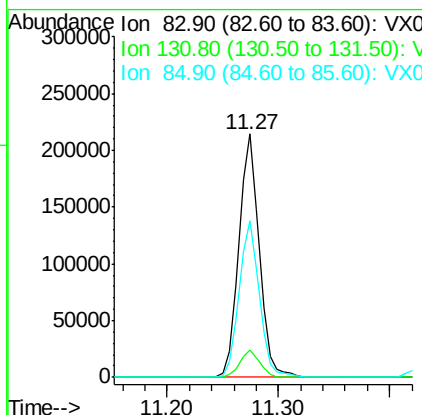
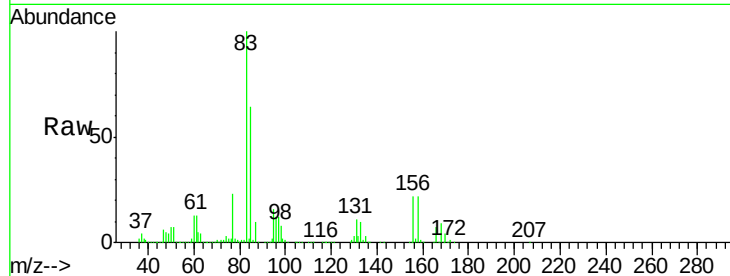
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	271709
Ion Ratio		Lower	Upper
83	100		
131	11.0	5.7	17.0
85	64.4	32.6	97.7

Manual Integrations
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5/30/2018 1:50:11 PM



#76

1,2,3-Trichloropropane

Concen: 50.46 ug/l m

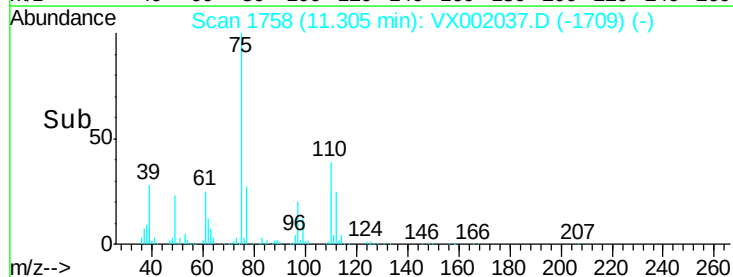
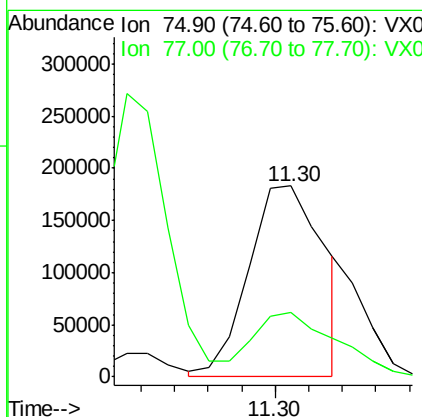
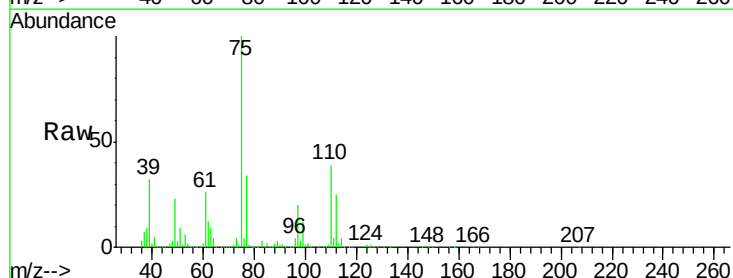
RT: 11.30 min Scan# 1758

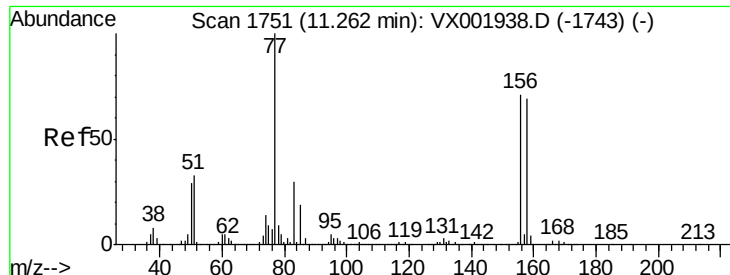
Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Tgt Ion:	75	Resp:	285235
Ion Ratio		Lower	Upper
75	100		
77	36.8	22.8	68.3





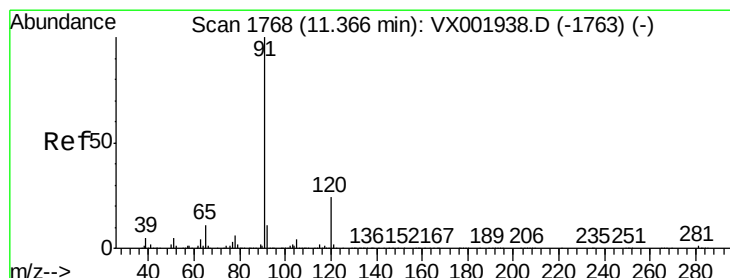
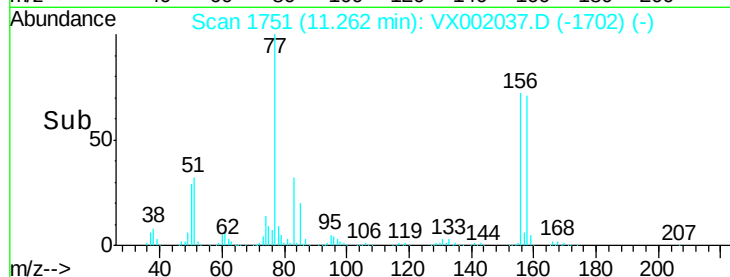
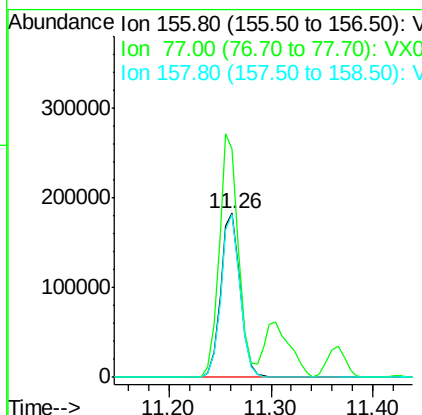
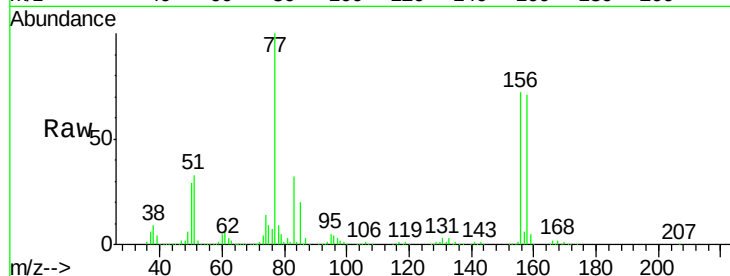
#77
Bromobenzene
Concen: 46.03 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.0	75.2	225.6
158	97.2	48.6	145.8

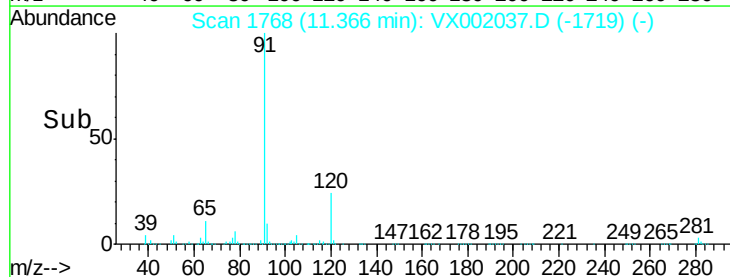
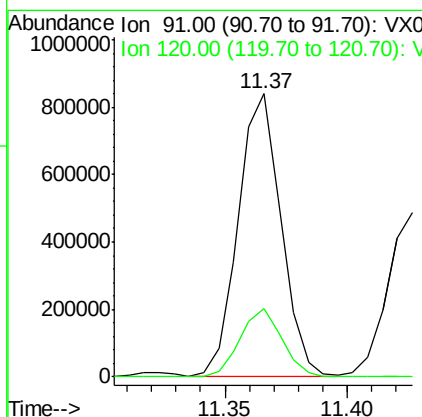
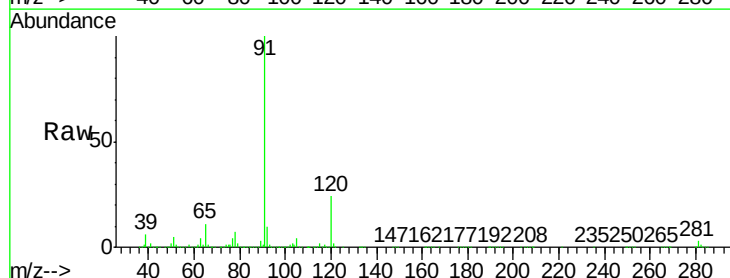
Manual Integrations
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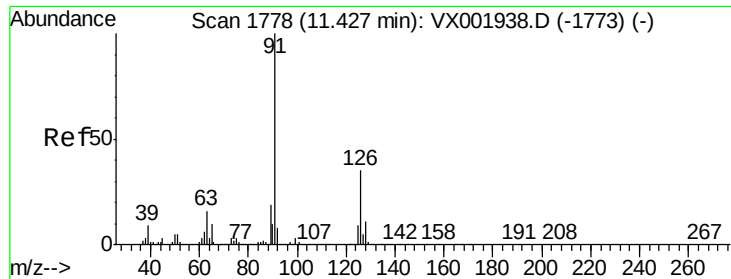
MMDadoda
5/30/2018 1:50:11 PM



#78
n-propylbenzene
Concen: 45.41 ug/l
RT: 11.37 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.7





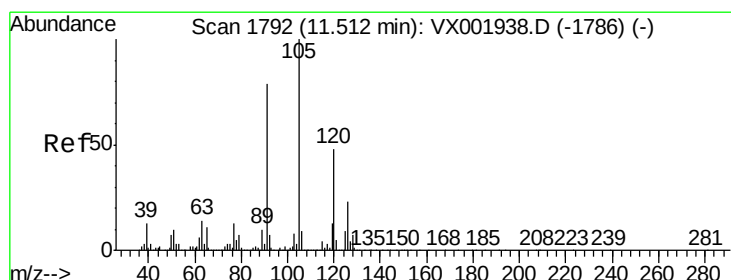
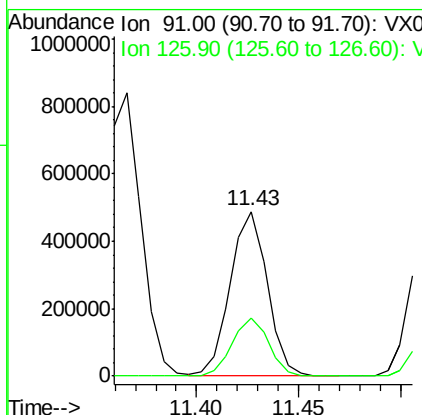
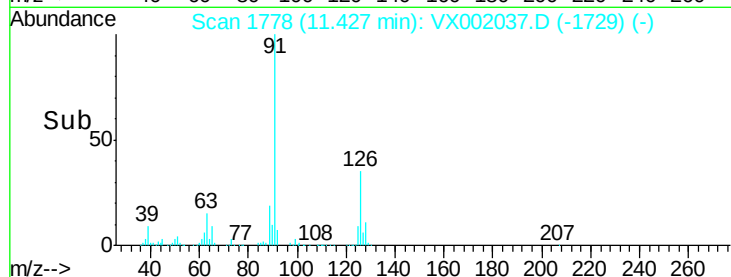
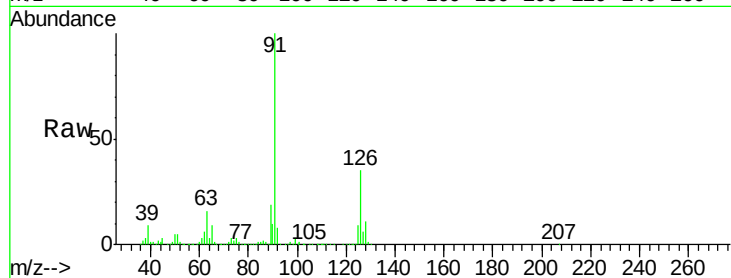
#79
 2-Chlorotoluene
 Concen: 49.86 ug/l
 RT: 11.43 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 610590
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.4 52.2

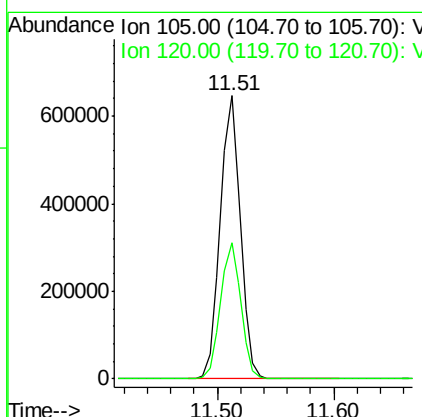
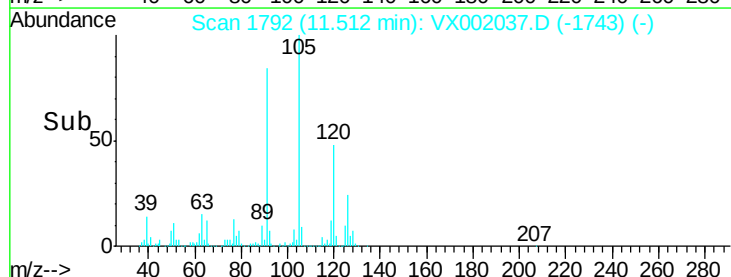
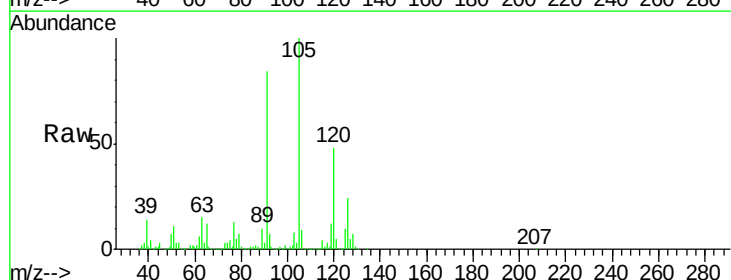
Manual Integrations
 APPROVED

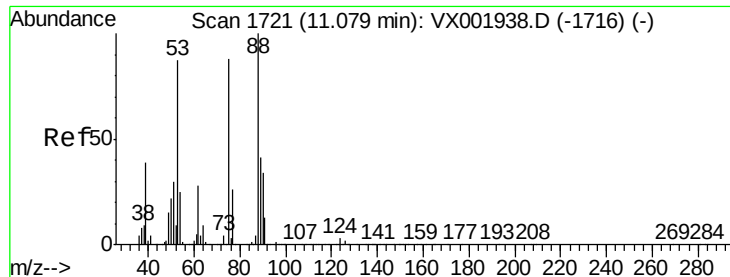
MMDadoda
 5/30/2018 1:50:11 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 45.14 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion: 105 Resp: 768756
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 36.74 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 86413

Ion Ratio Lower Upper

75 100

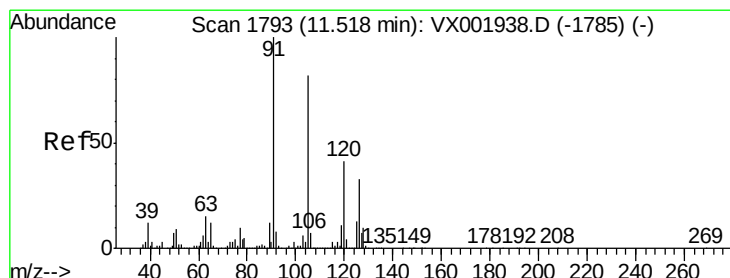
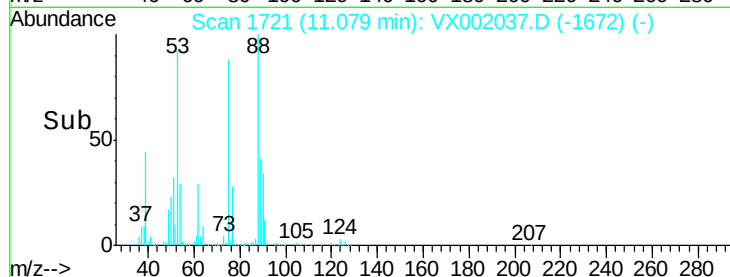
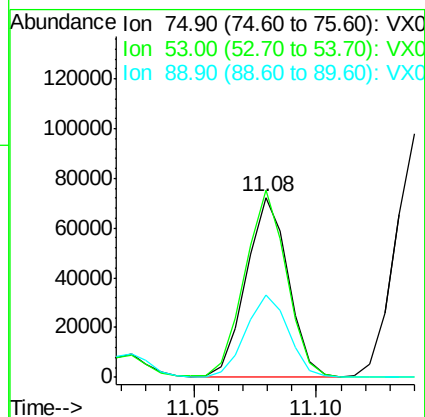
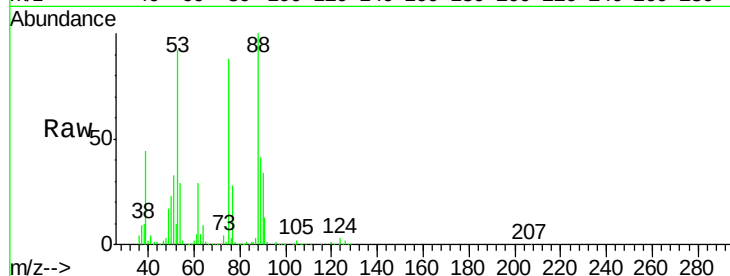
53 103.6 78.0 117.0

89 47.0 39.4 59.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.61 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VX002037.D

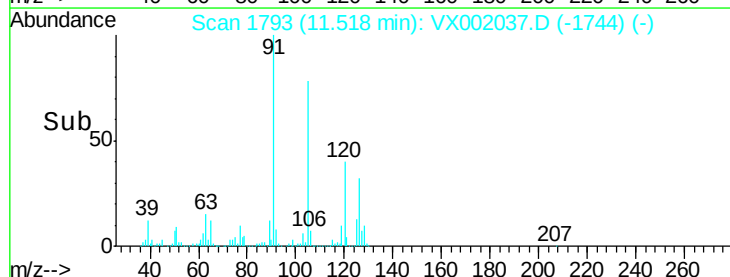
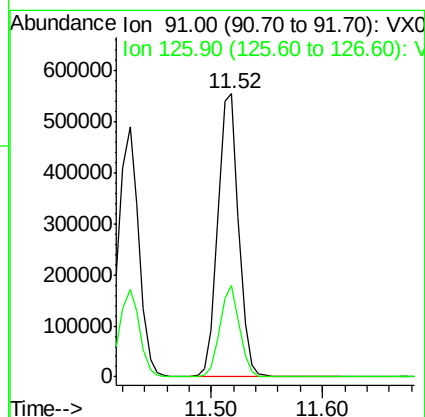
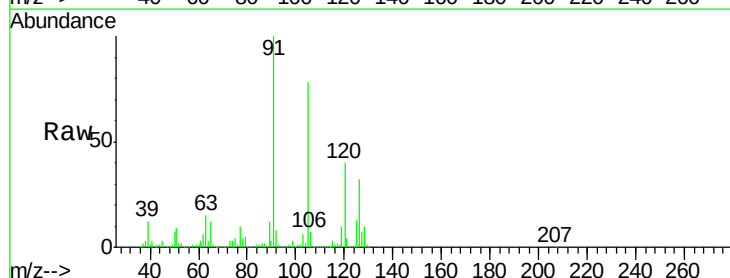
Acq: 26 May 2018 23:26

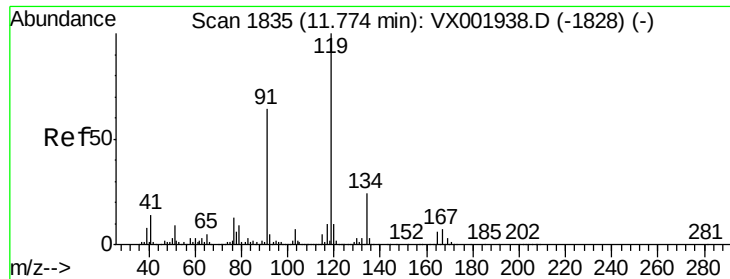
Tgt Ion: 91 Resp: 717961

Ion Ratio Lower Upper

91 100

126 30.4 15.3 45.8





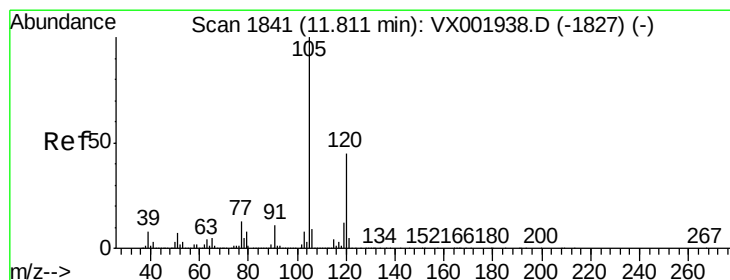
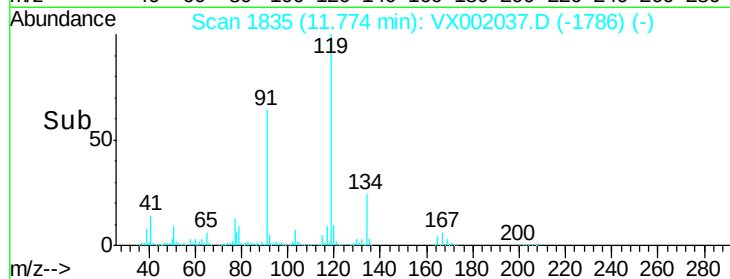
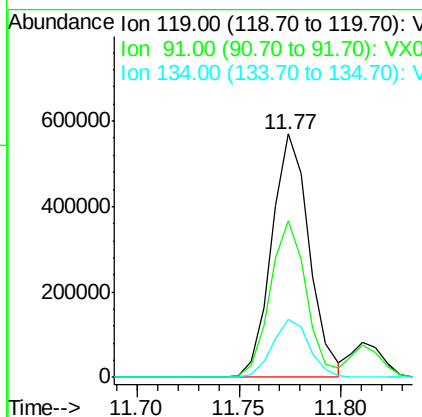
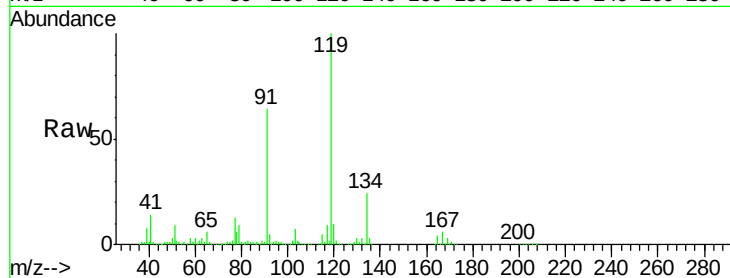
#83
 tert-Butylbenzene
 Concen: 43.83 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.6	91.8
134	23.4	11.7	35.0

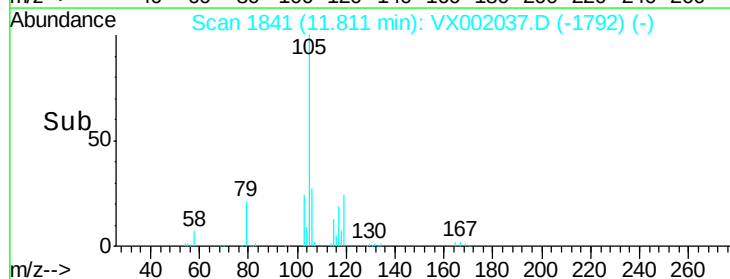
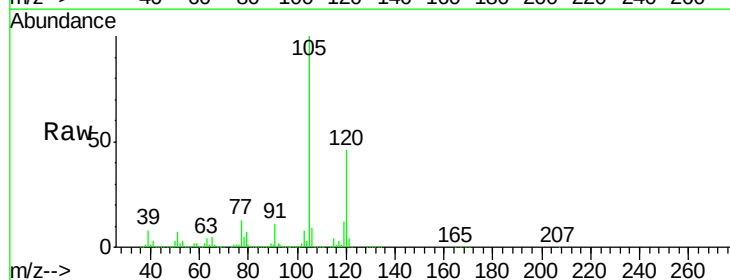
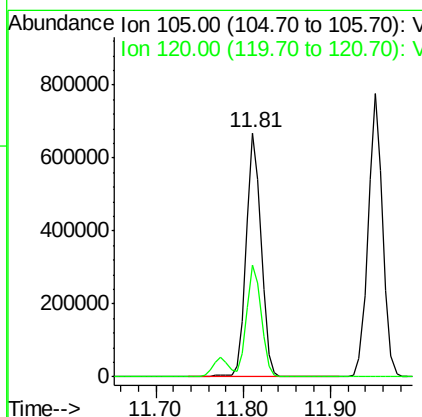
Manual Integrations
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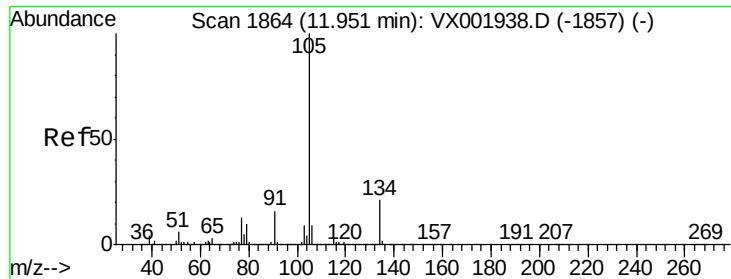
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.95 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5





#85

sec-Butylbenzene

Concen: 45.01 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 904322

Ion Ratio Lower Upper

105 100

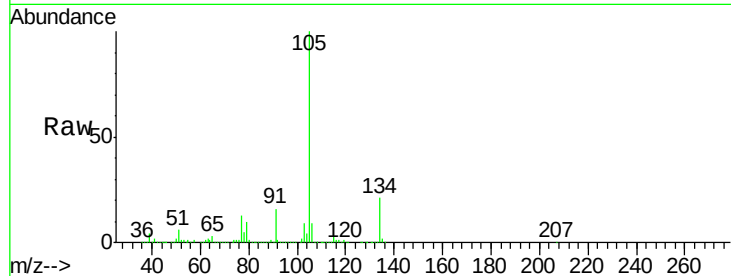
134 21.1 10.4 31.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

800000

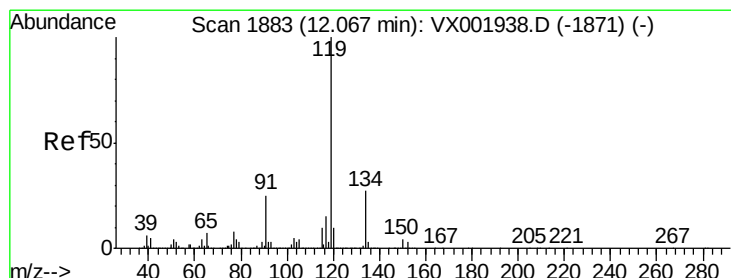
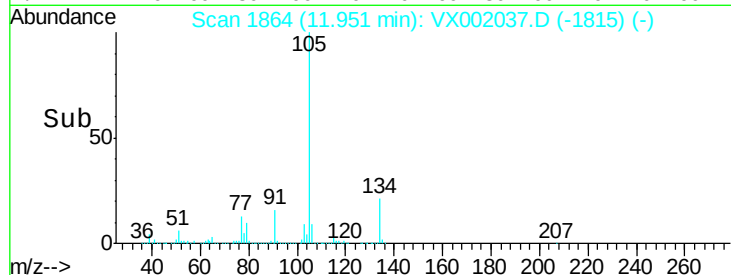
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.42 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX002037.D

Acq: 26 May 2018 23:26

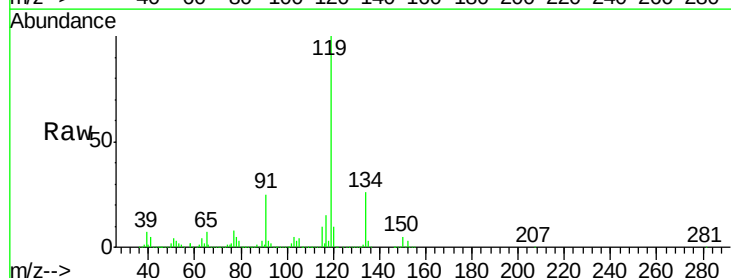
Tgt Ion:119 Resp: 816580

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 24.2 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

800000

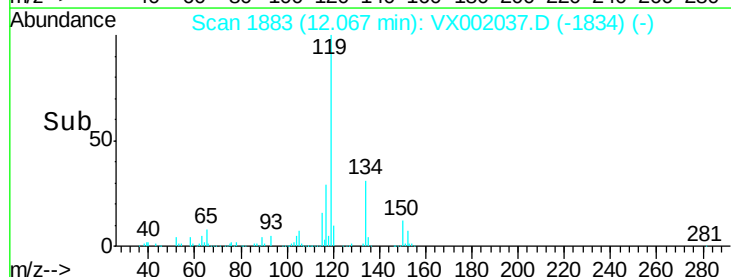
600000

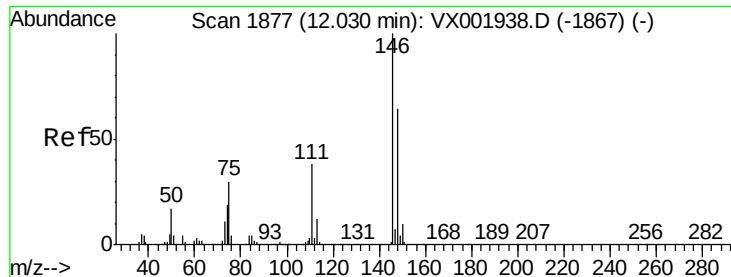
400000

200000

0

Time-->





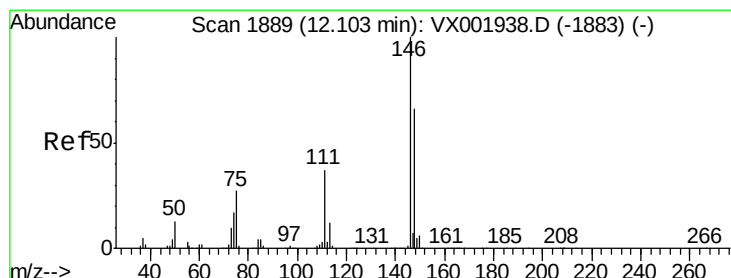
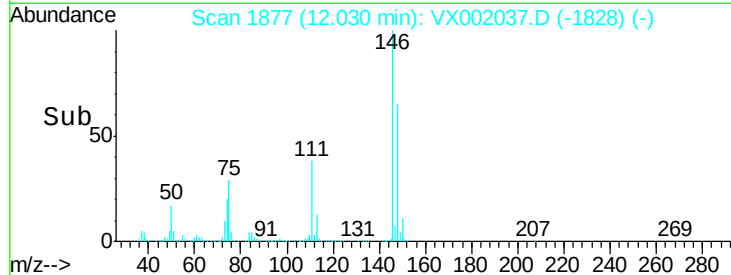
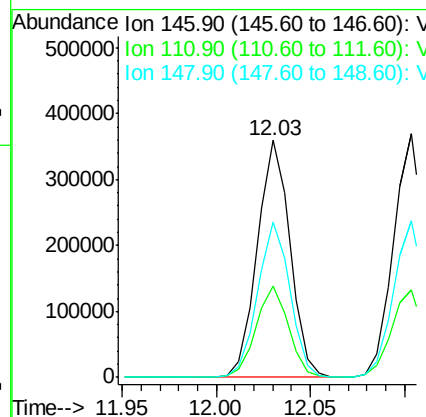
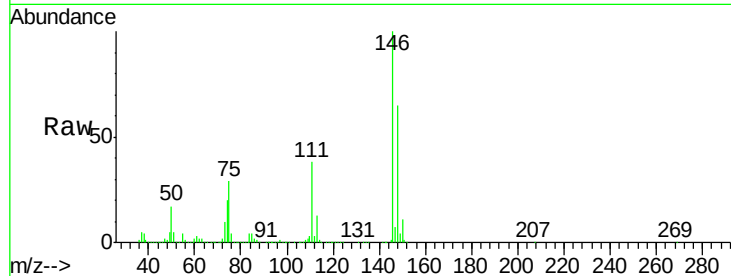
#87
 1,3-Dichlorobenzene
 Concen: 45.74 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.8
148	64.7	32.1	96.3

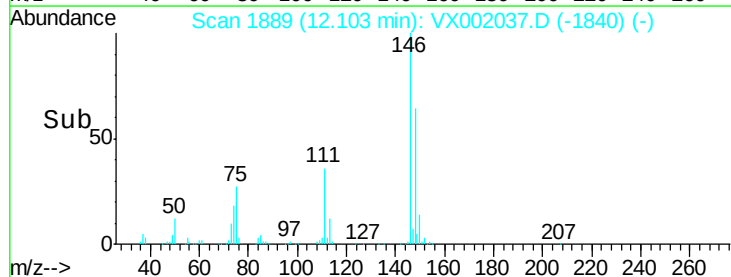
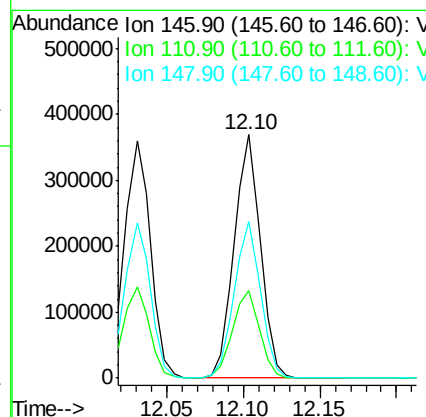
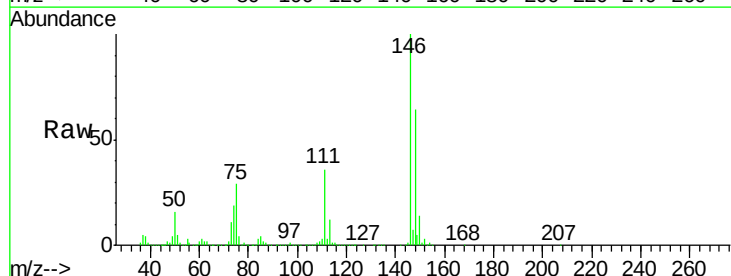
Manual Integrations
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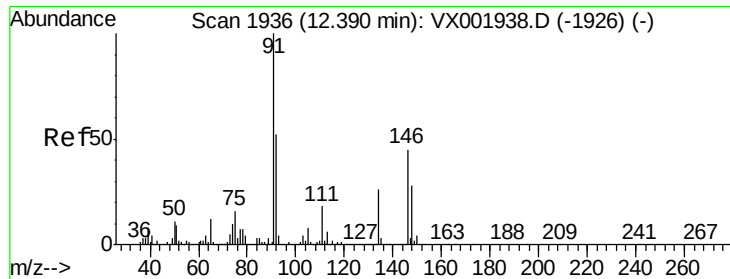
MMDadoda
 5/30/2018 1:50:11 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.43 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	64.5	32.3	96.8





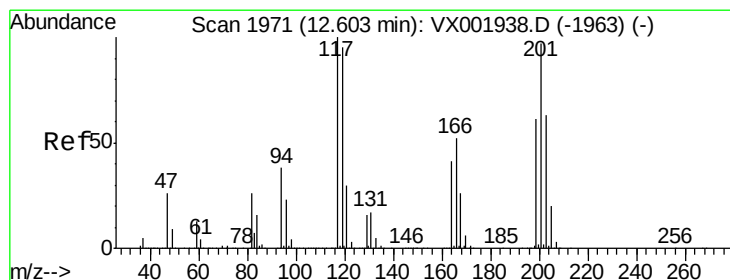
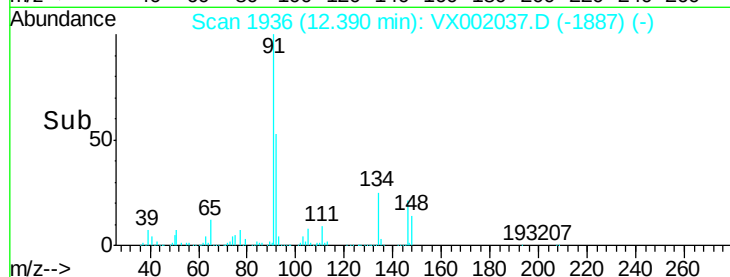
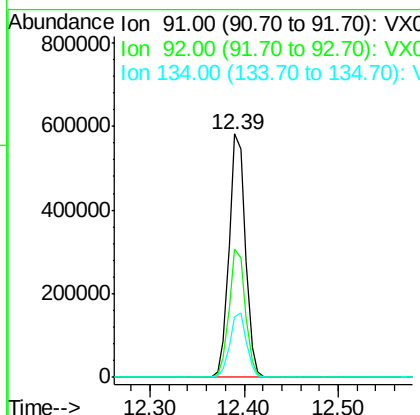
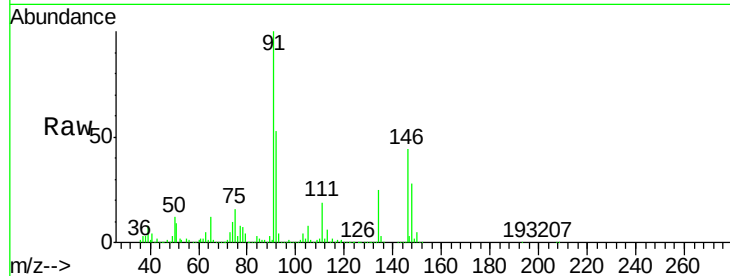
#89
n-Butylbenzene
Concen: 45.74 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	27.0	13.6	40.7

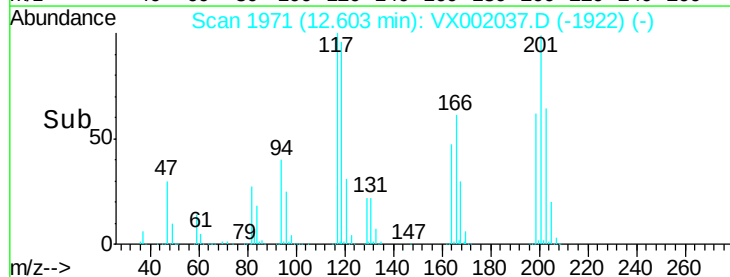
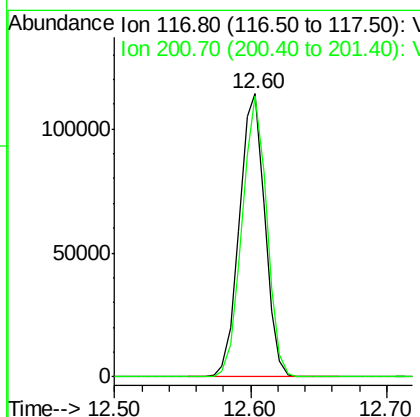
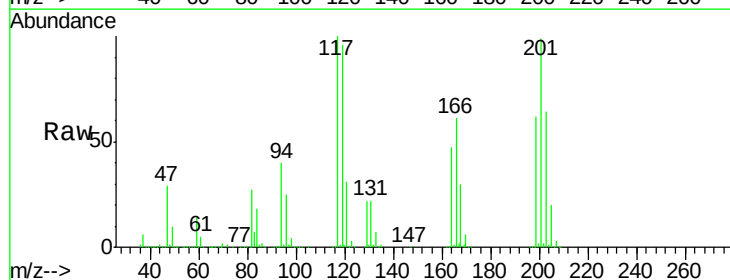
Manual Integrations
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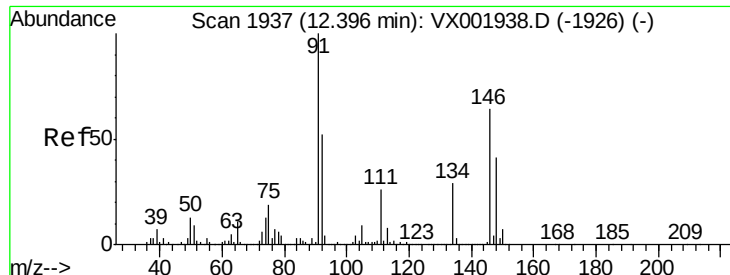
MMDadoda
5/30/2018 1:50:11 PM



#90
Hexachloroethane
Concen: 41.97 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.4	48.0	144.0





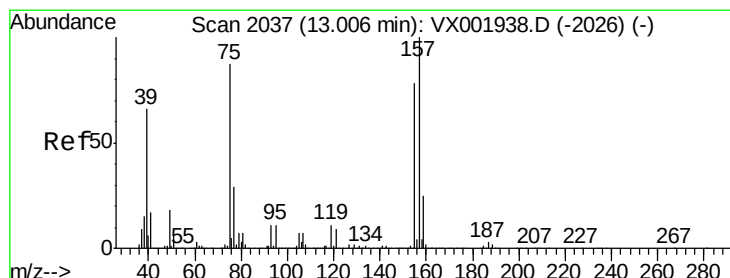
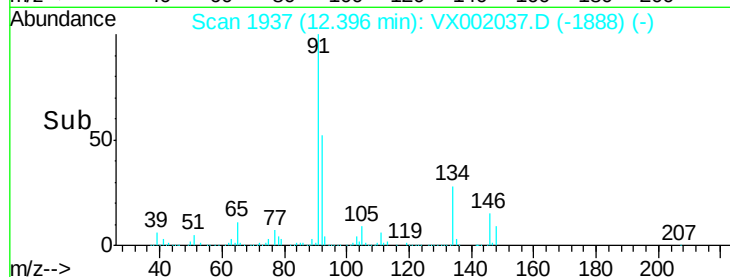
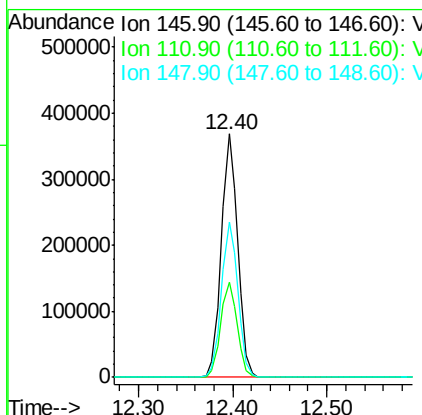
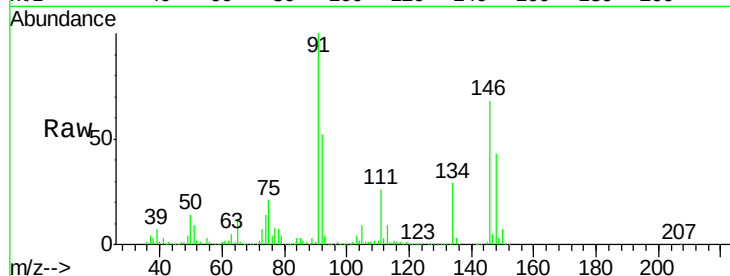
#91
 1,2-Dichlorobenzene
 Concen: 46.05 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.3	32.1	96.5

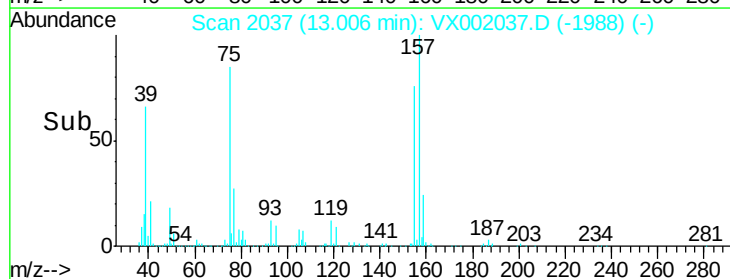
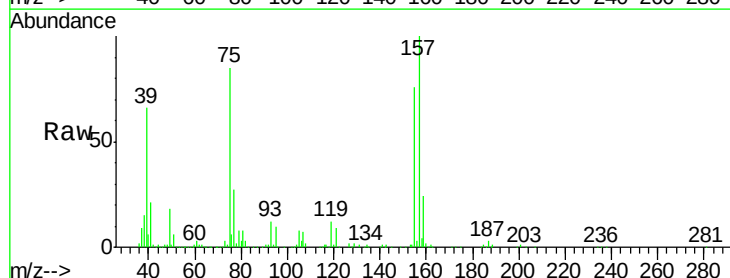
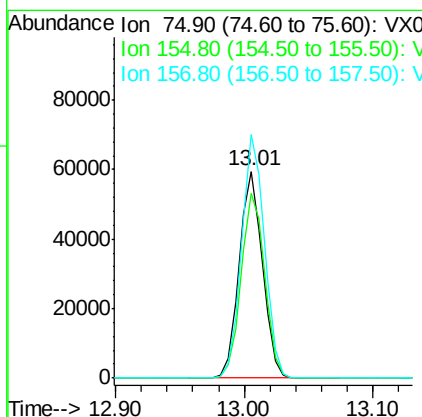
Manual Integrations
 APPROVED

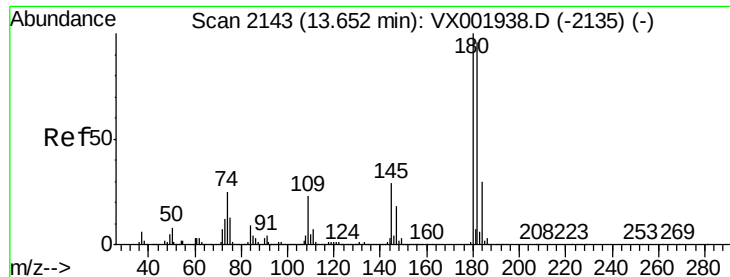
MMDadoda
 5/30/2018 1:50:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.93 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	45.1	135.2
157	115.5	58.1	174.2





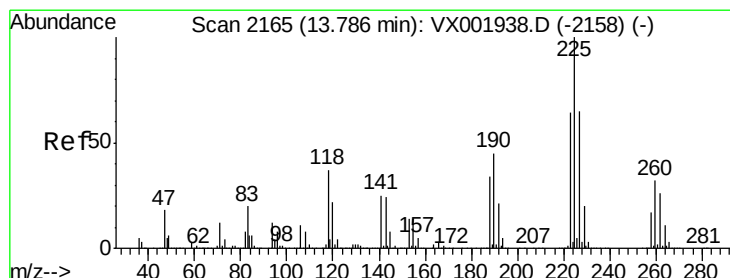
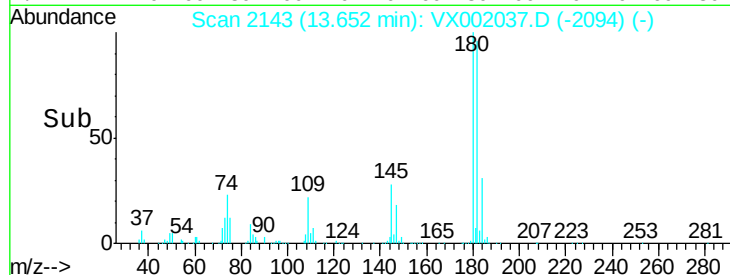
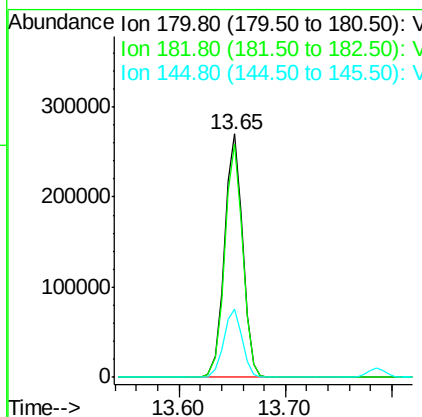
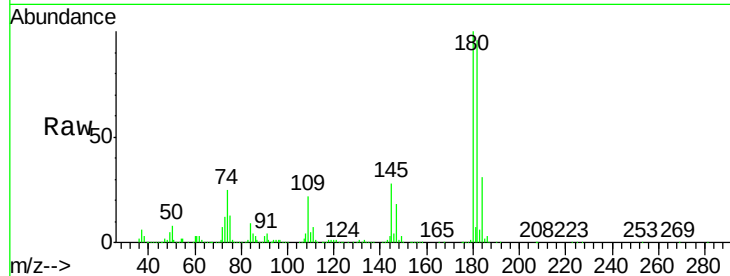
#93
 1,2,4-Trichlorobenzene
 Concen: 46.62 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	321641		
182	94.8	47.7	143.1	
145	28.4	14.4	43.0	

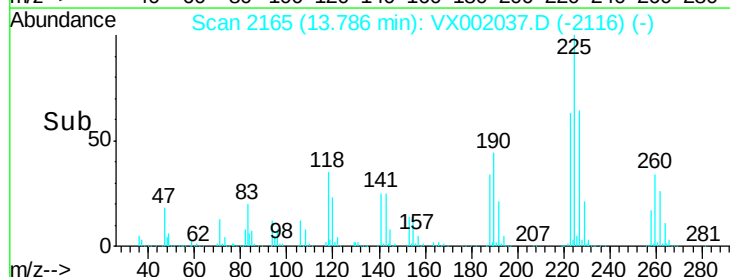
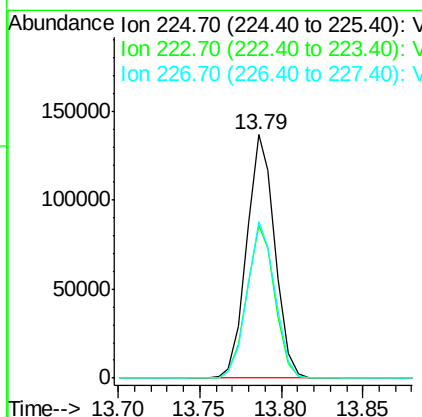
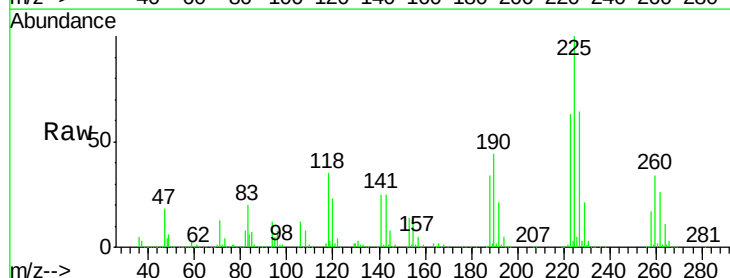
Manual Integrations
 APPROVED

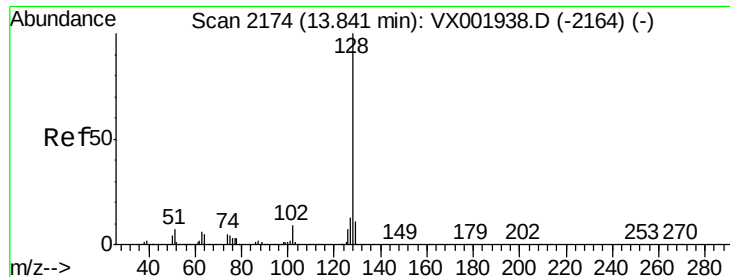
MMDadoda
 5/30/2018 1:50:11 PM



#94
 Hexachlorobutadiene
 Concen: 44.13 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX002037.D
 Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163778		
223	62.4	31.1	93.5	
227	63.8	32.1	96.5	





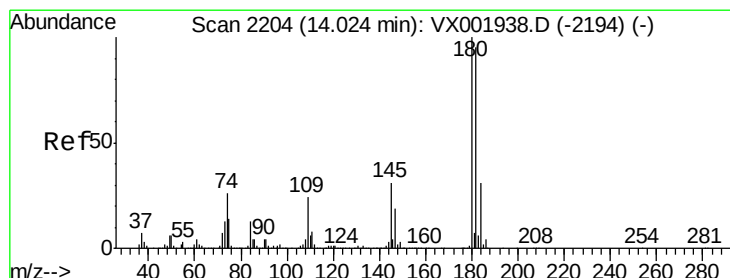
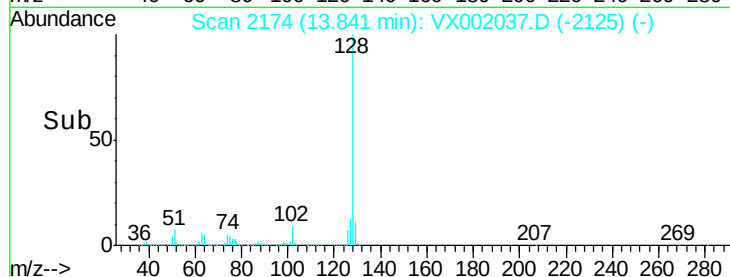
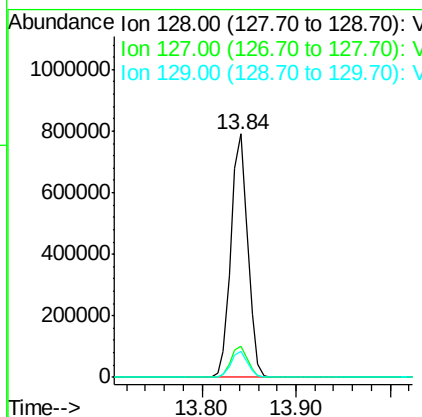
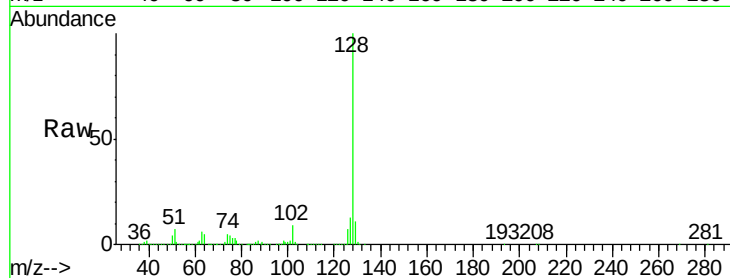
#95
Naphthalene
Concen: 46.08 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:50:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.46 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX002037.D
Acq: 26 May 2018 23:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.6
145	29.9	15.1	45.3

