

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052418\
 Data File : VX001938.D
 Acq On : 24 May 2018 11:46
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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 5/25/2018 2:25:51 PM

Quant Time: May 24 12:55:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 12:37:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	319823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	450219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	280263	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	282022	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.00%		
35) Dibromofluoromethane	5.51	113	219400	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.00%		
50) Toluene-d8	8.72	98	809831	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.00%		
62) 4-Bromofluorobenzene	11.14	95	317024	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.00%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	207926	50.00	ug/l	100
3) Chloromethane	1.32	50	236872	50.00	ug/l	100
4) Vinyl Chloride	1.40	62	228667	50.00	ug/l	100
5) Bromomethane	1.64	94	110166	50.00	ug/l	100
6) Chloroethane	1.72	64	134899	50.00	ug/l	100
7) Trichlorofluoromethane	1.92	101	345086	50.00	ug/l	100
8) Diethyl Ether	2.19	74	126546	50.00	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	189509	50.00	ug/l	100
10) Methyl Iodide	2.51	142	292200	50.00	ug/l	100
11) Tert butyl alcohol	3.09	59	277851	250.00	ug/l	100
12) 1,1-Dichloroethene	2.37	96	176732	50.00	ug/l	100
13) Acrolein	2.30	56	110166	250.00	ug/l	100
14) Allyl chloride	2.73	41	380422	50.00	ug/l	100
15) Acrylonitrile	3.15	53	569511	250.00	ug/l	100
16) Acetone	2.45	43	533303	250.00	ug/l	100
17) Carbon Disulfide	2.57	76	516722	50.00	ug/l	100
18) Methyl Acetate	2.78	43	275571	50.00	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	681259	50.00	ug/l	100
20) Methylene Chloride	2.86	84	197916	50.00	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	190073	50.00	ug/l	100
22) Diisopropyl ether	3.88	45	798189	50.00	ug/l	100
23) Vinyl Acetate	3.83	43	3245097	250.00	ug/l	100
24) 1,1-Dichloroethane	3.70	63	367743	50.00	ug/l	100
25) 2-Butanone	4.72	43	1005986	250.00	ug/l	100
26) 2,2-Dichloropropane	4.59	77	364654	50.00	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	236159	50.00	ug/l	100
28) Bromochloromethane	5.03	49	167517	50.00	ug/l	100
29) Tetrahydrofuran	5.18	42	650162	250.00	ug/l	100
30) Chloroform	5.22	83	406860	50.00	ug/l	100
31) Cyclohexane	5.57	56	376191	50.00	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	385236	50.00	ug/l	100
36) 1,1-Dichloropropene	5.80	75	300263	50.00	ug/l	100
37) Ethyl Acetate	4.87	43	397323	50.00	ug/l	100
38) Carbon Tetrachloride	5.79	117	350252	50.00	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	366055	50.00	ug/l	100
40) Benzene	6.15	78	892636	50.00	ug/l	100
41) Methacrylonitrile	5.07	41	220873	50.00	ug/l	100
42) 1,2-Dichloroethane	6.21	62	348451	50.00	ug/l	100
43) Isopropyl Acetate	6.48	43	665474	50.00	ug/l	100
44) Trichloroethene	7.22	130	257747	50.00	ug/l	100
45) 1,2-Dichloropropane	7.52	63	237924	50.00	ug/l	100
46) Dibromomethane	7.67	93	160572	50.00	ug/l	100
47) Bromodichloromethane	7.90	83	337495	50.00	ug/l	100
48) Methyl methacrylate	7.79	41	336265	50.00	ug/l	100
49) 1,4-Dioxane	7.76	88	121233	1000.00	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	2012306	250.00	ug/l	100
52) Toluene	8.79	92	564016	50.00	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	398682	50.00	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	385515	50.00	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	230996	50.00	ug/l	100
56) Ethyl methacrylate	9.19	69	397827	50.00	ug/l	100
57) 1,3-Dichloropropane	9.38	76	387387	50.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	897011	250.00	ug/l	100
59) 2-Hexanone	9.51	43	1557394	250.00	ug/l	100
60) Dibromochloromethane	9.59	129	281801	50.00	ug/l	100
61) 1,2-Dibromoethane	9.68	107	247864	50.00	ug/l	100
64) Tetrachloroethene	9.34	164	286168	50.00	ug/l	100
65) Chlorobenzene	10.15	112	632980	50.00	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	253694	50.00	ug/l	100
67) Ethyl Benzene	10.26	91	1111394	50.00	ug/l	100
68) m/p-Xylenes	10.37	106	845817	100.00	ug/l	100
69) o-Xylene	10.70	106	419007	50.00	ug/l	100
70) Styrene	10.72	104	703600	50.00	ug/l	100
71) Bromoform	10.87	173	246897	50.00	ug/l	100
73) Isopropylbenzene	11.02	105	1130677	50.00	ug/l	100
74) N-amyl acetate	6.48	43	665474	50.00	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	330418	50.00	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	309505m	50.00	ug/l	
77) Bromobenzene	11.26	156	300649	50.00	ug/l	100
78) n-propylbenzene	11.37	91	1283286	50.00	ug/l	100
79) 2-Chlorotoluene	11.43	91	768797	50.00	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	963990	50.00	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	130137	50.00	ug/l	100
82) 4-Chlorotoluene	11.52	91	896765	50.00	ug/l	100
83) tert-Butylbenzene	11.77	119	935422	50.00	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	989360	50.00	ug/l	100
85) sec-Butylbenzene	11.95	105	1145958	50.00	ug/l	100
86) p-Isopropyltoluene	12.07	119	1028667	50.00	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	536560	50.00	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	539880	50.00	ug/l	100
89) n-Butylbenzene	12.39	91	893634	50.00	ug/l	100
90) Hexachloroethane	12.60	117	201572	50.00	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	550639	50.00	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	100728	50.00	ug/l	100

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ClientSampleId :
VSTDICCC050

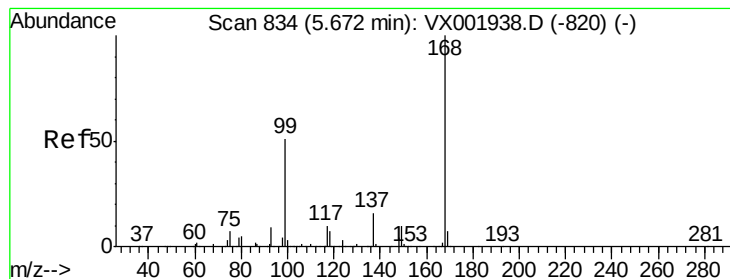
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	402678	50.00	ug/l	100
94) Hexachlorobutadiene	13.79	225	215115	50.00	ug/l	100
95) Naphthalene	13.84	128	1235139	50.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	413568	50.00	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 319823

Ion Ratio Lower Upper

168 100

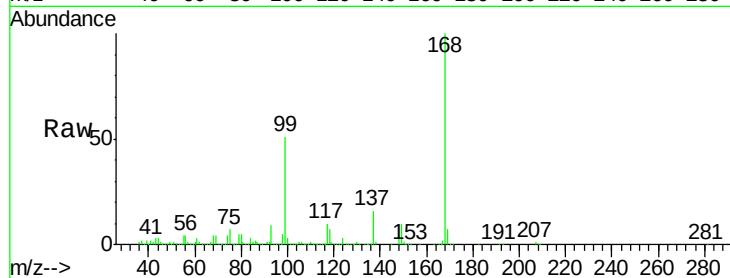
99 51.2 41.0 61.4

Manual Integrations

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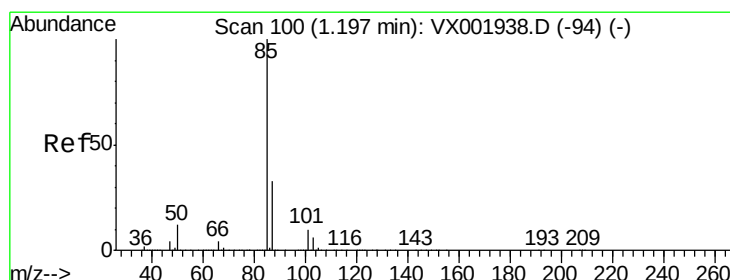
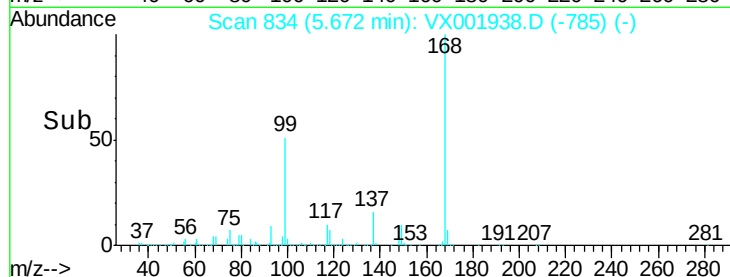
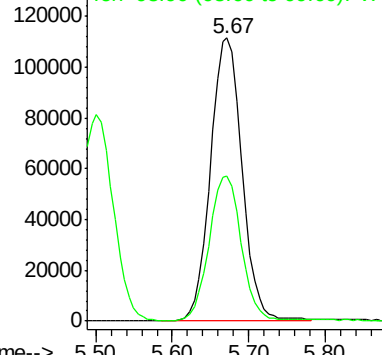
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 50.00 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001938.D

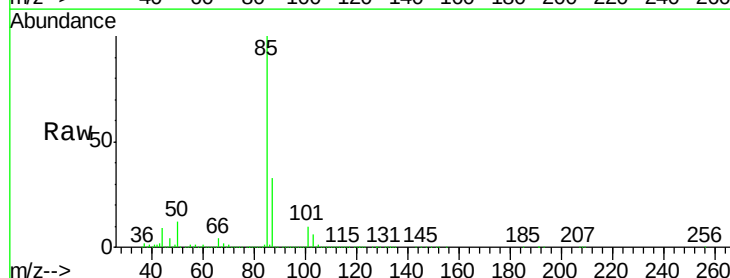
Acq: 24 May 2018 11:46

Tgt Ion: 85 Resp: 207926

Ion Ratio Lower Upper

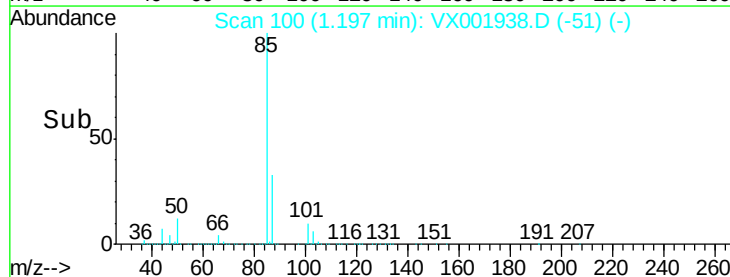
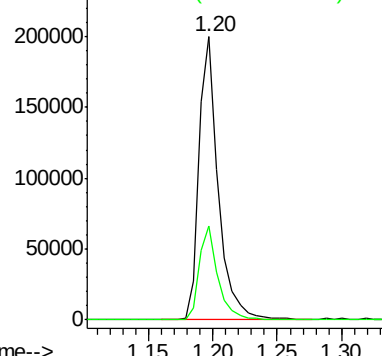
85 100

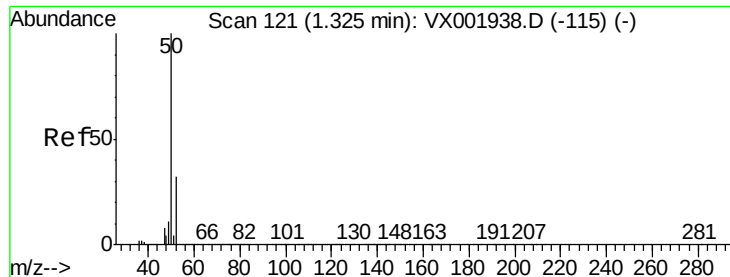
87 33.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 50.00 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 236872

Ion Ratio Lower Upper

50 100

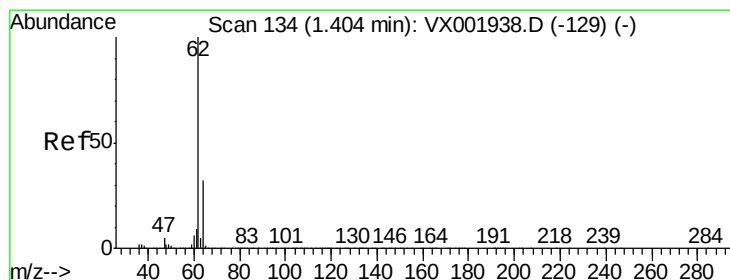
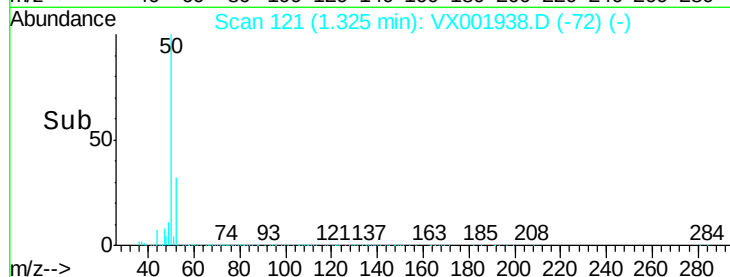
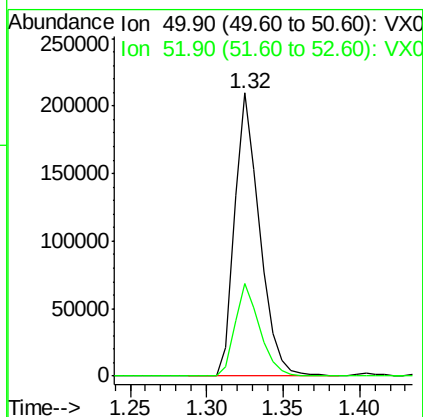
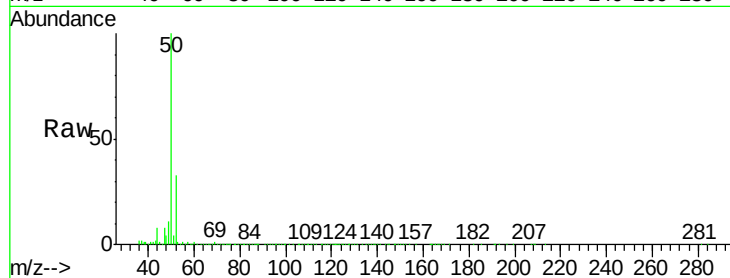
52 32.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 50.00 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001938.D

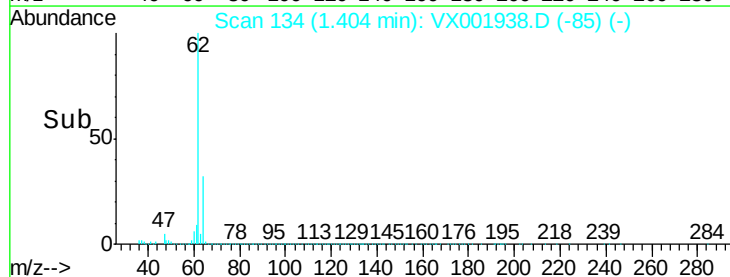
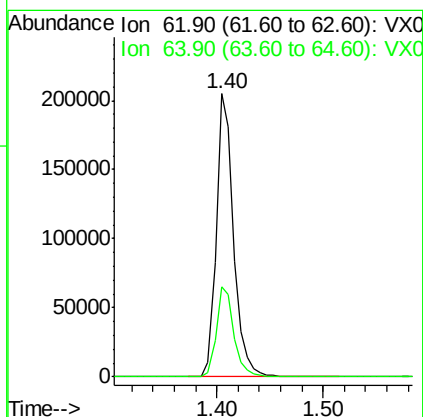
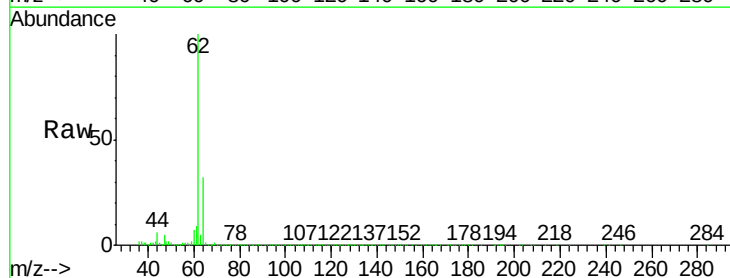
Acq: 24 May 2018 11:46

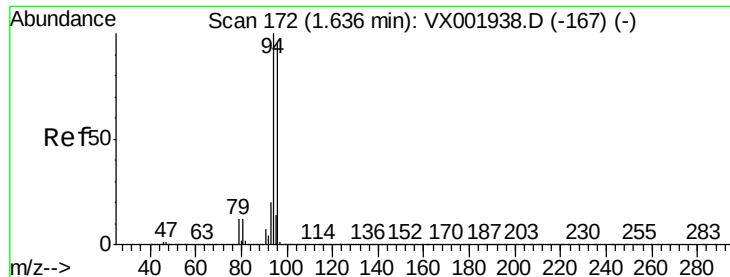
Tgt Ion: 62 Resp: 228667

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 50.00 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 110166

Ion Ratio Lower Upper

94 100

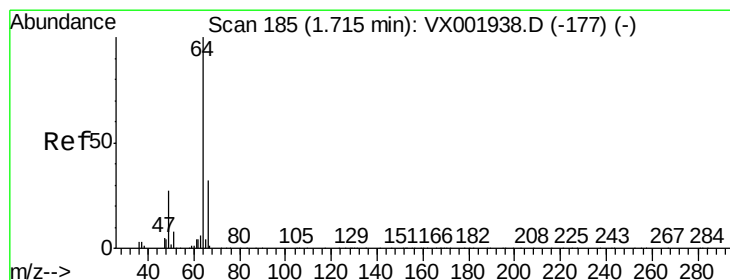
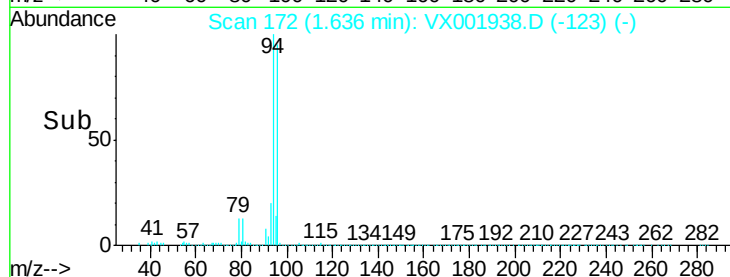
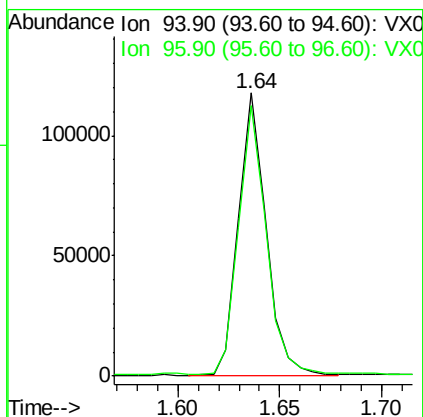
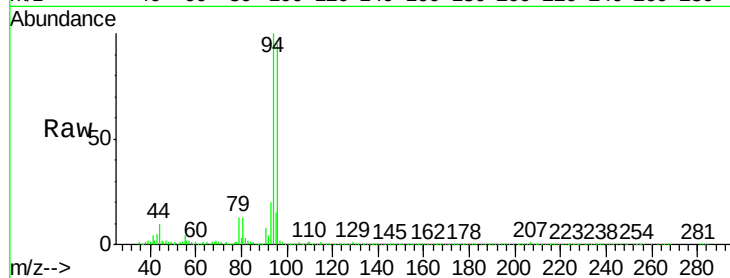
96 94.9 75.9 113.9

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#6

Chloroethane

Concen: 50.00 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX001938.D

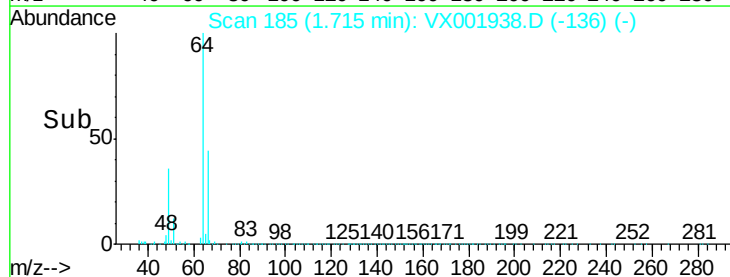
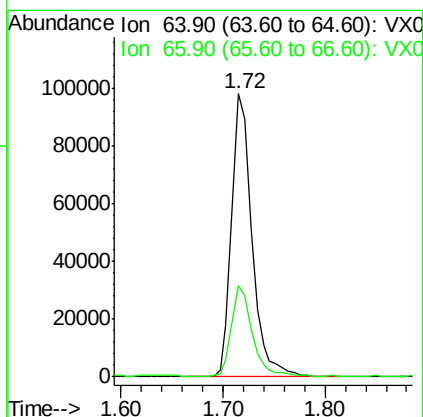
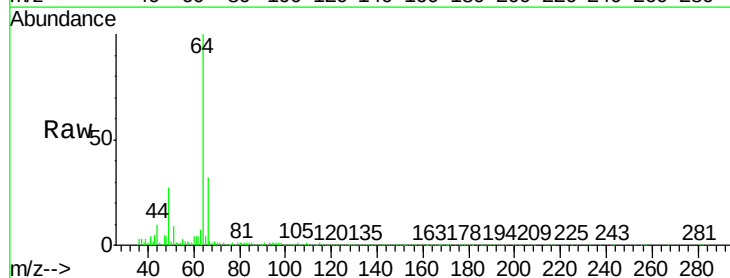
Acq: 24 May 2018 11:46

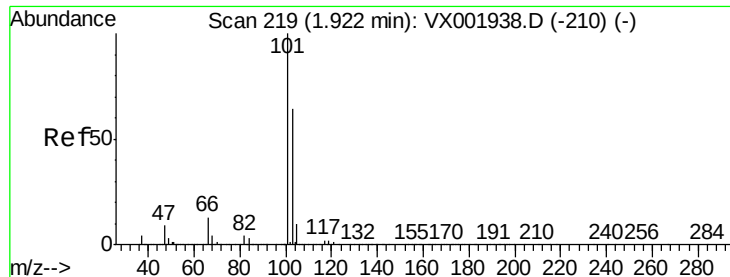
Tgt Ion: 64 Resp: 134899

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

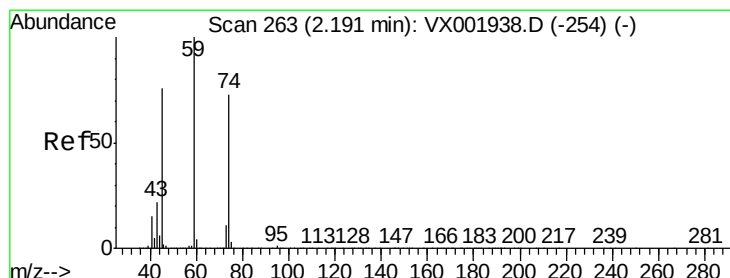
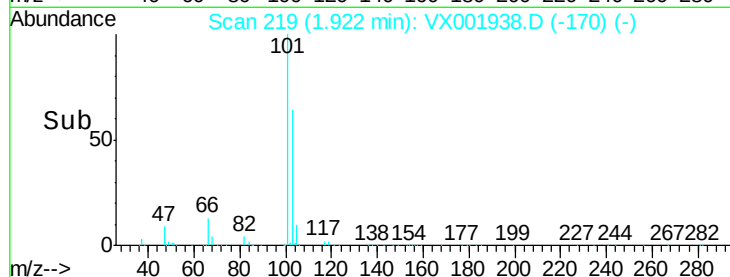
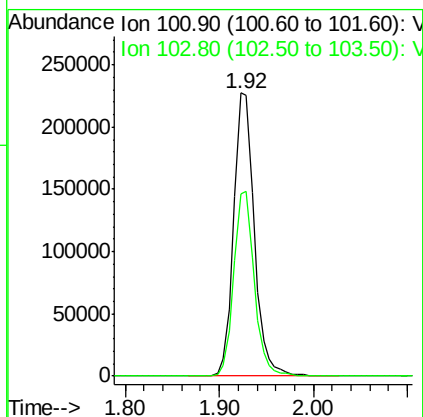
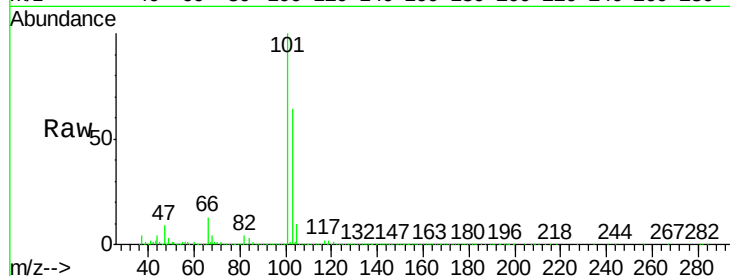
Trichlorofluoromethane
Concen: 50.00 ug/l
RT: 1.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.4	77.0

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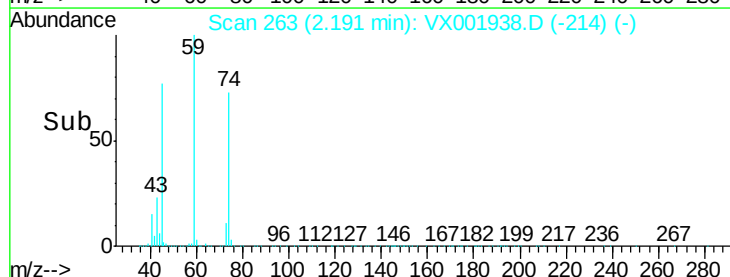
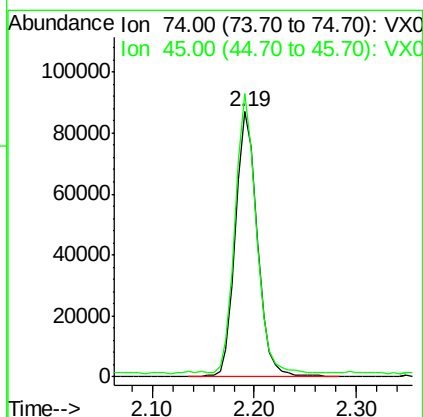
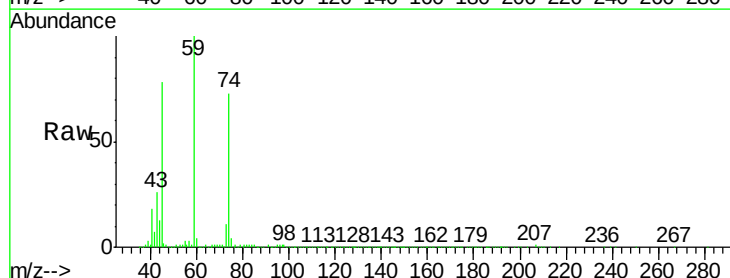
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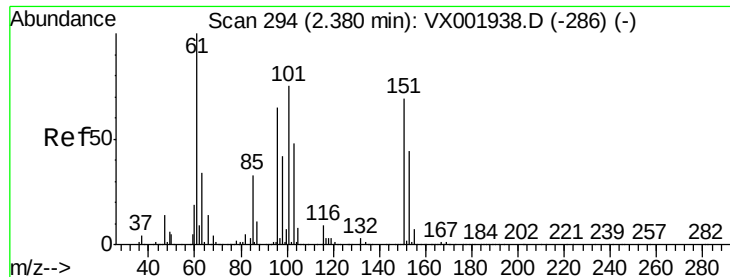


#8

Diethyl Ether
Concen: 50.00 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.00 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

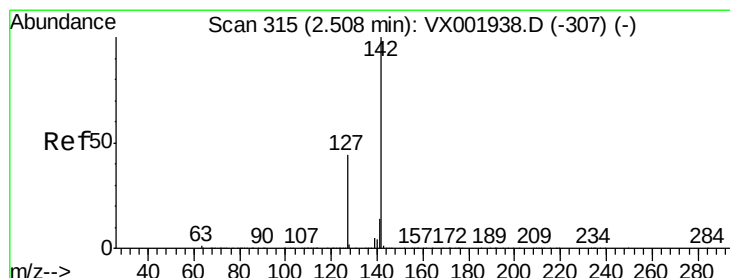
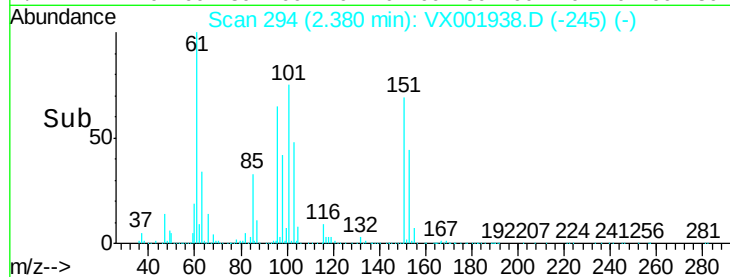
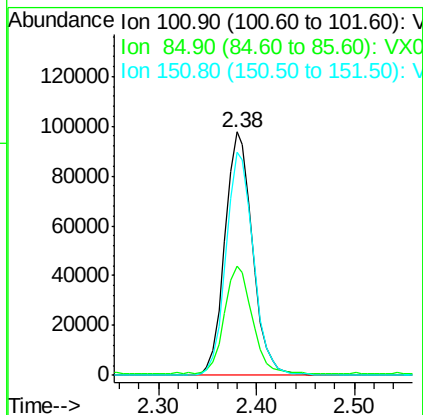
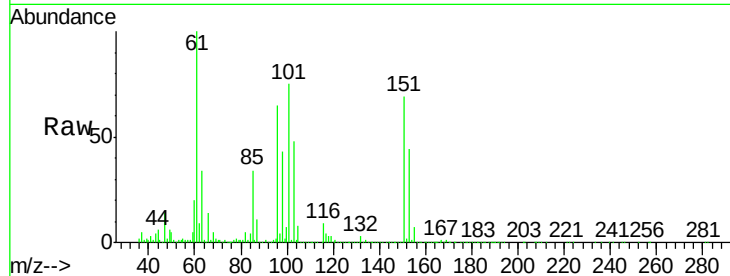
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	189509
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.6	53.4
151	91.5	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 50.00 ug/l

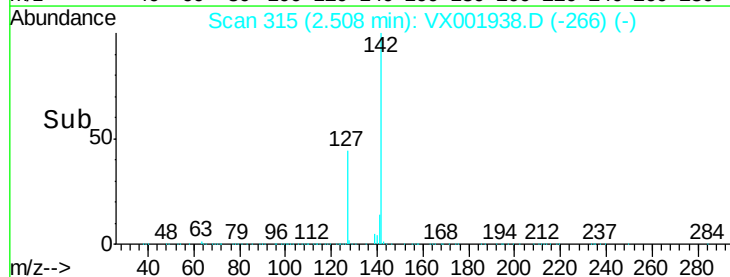
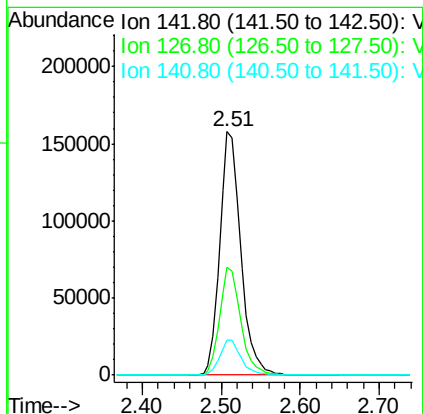
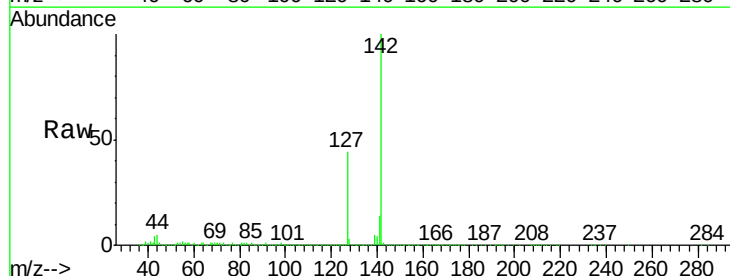
RT: 2.51 min Scan# 315

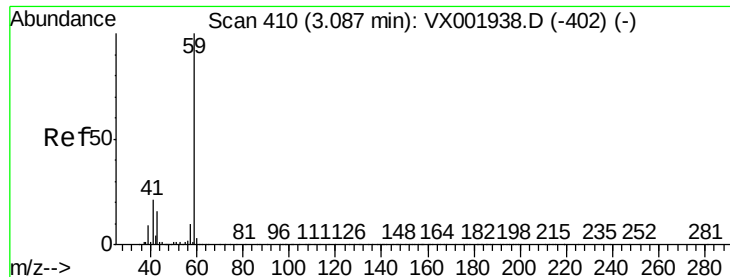
Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Tgt Ion:	142	Resp:	292200
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.5	53.3
141	14.1	11.3	16.9





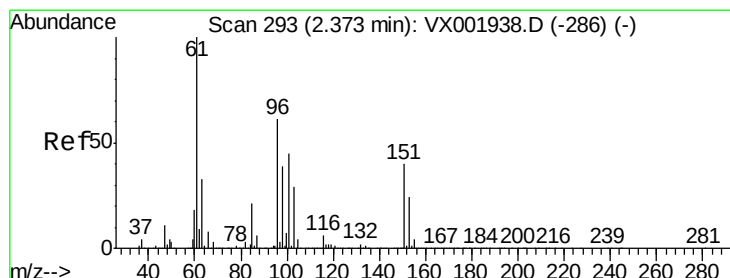
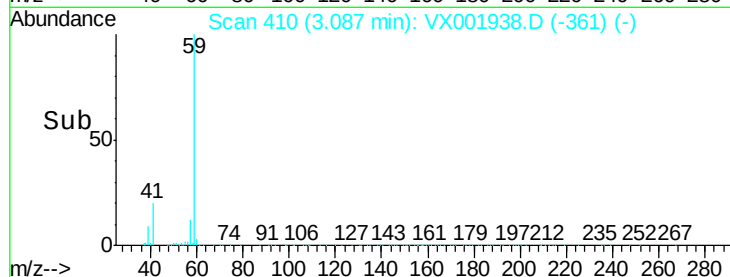
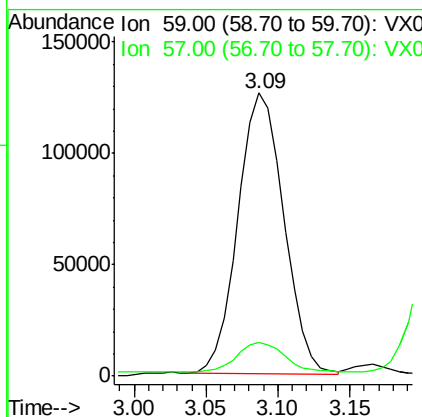
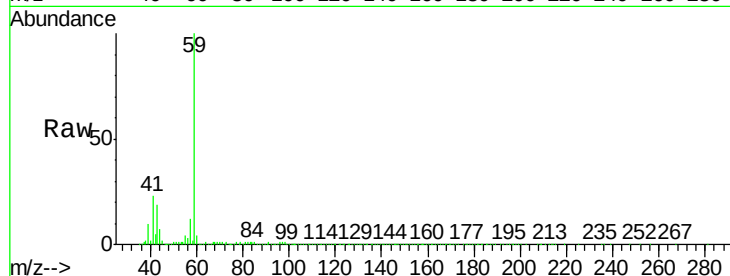
#11
Tert butyl alcohol
Concen: 250.00 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.9	13.3

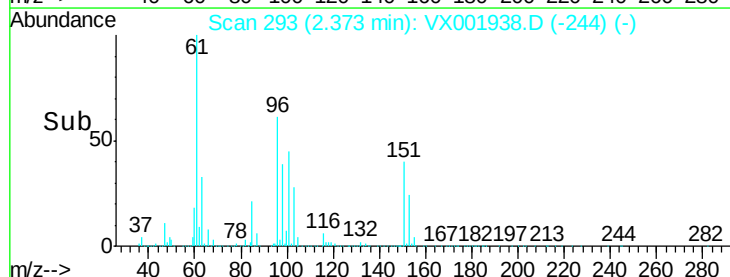
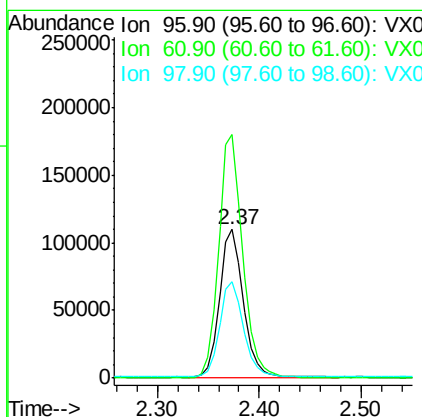
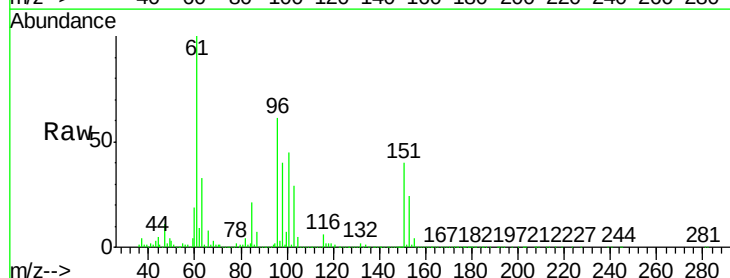
Manual Integrations
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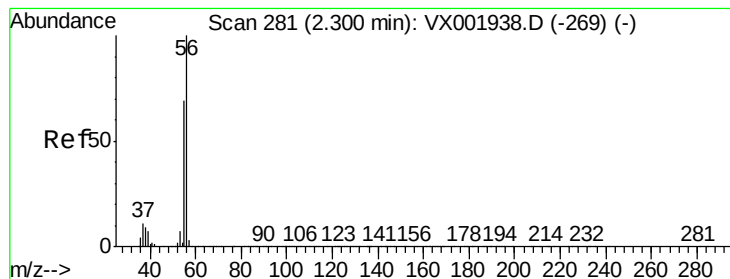
MMDadoda
5/25/2018 2:25:51 PM



#12
1,1-Dichloroethene
Concen: 50.00 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.6	131.7	197.5
98	64.5	51.6	77.4





#13

Acrolein

Concen: 250.00 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 110166

Ion Ratio Lower Upper

56 100

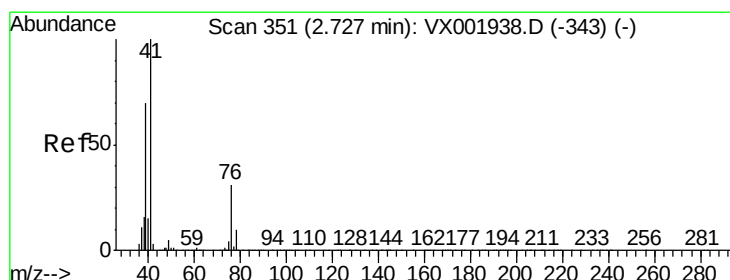
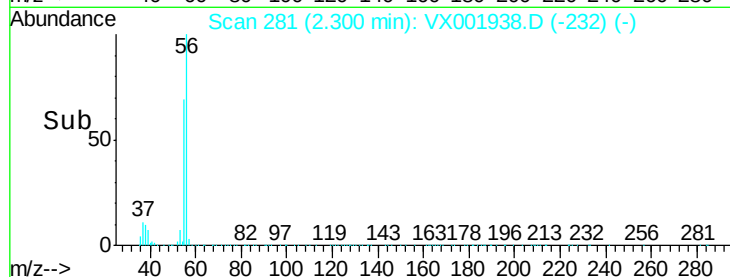
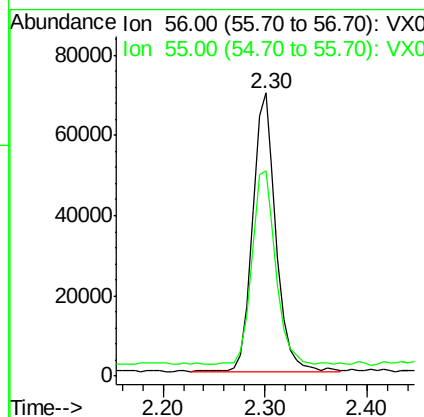
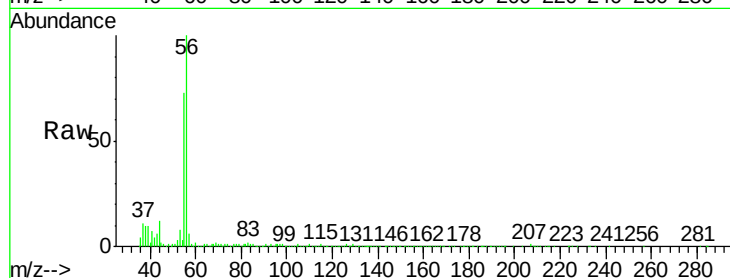
55 71.0 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 50.00 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

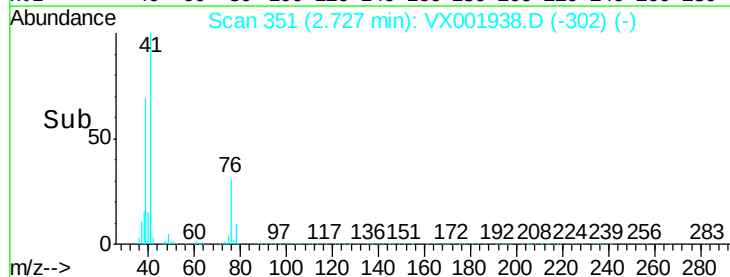
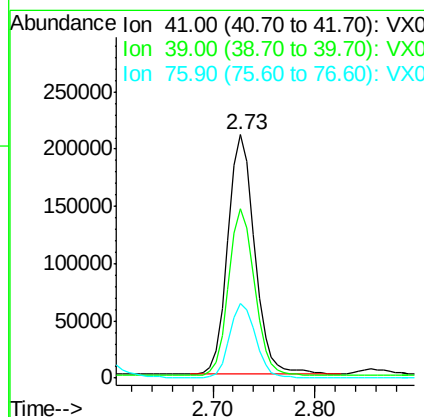
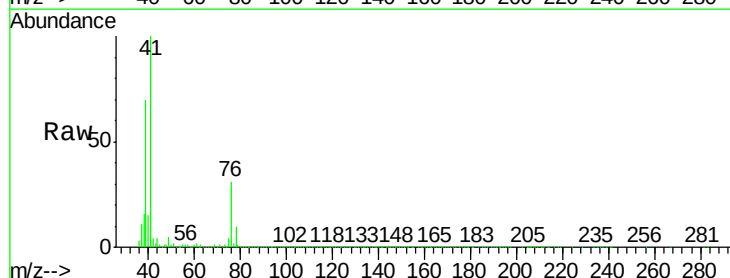
Tgt Ion: 41 Resp: 380422

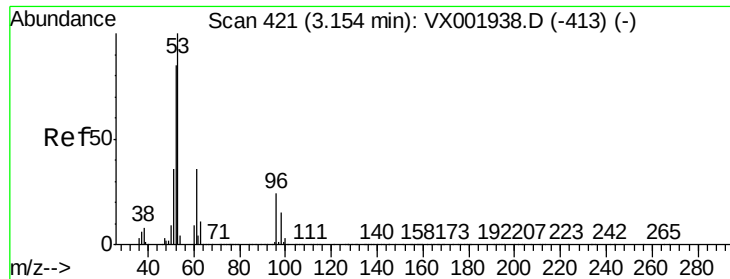
Ion Ratio Lower Upper

41 100

39 67.9 54.3 81.5

76 30.3 24.2 36.4





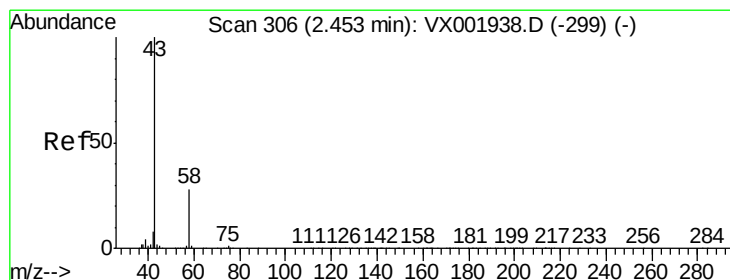
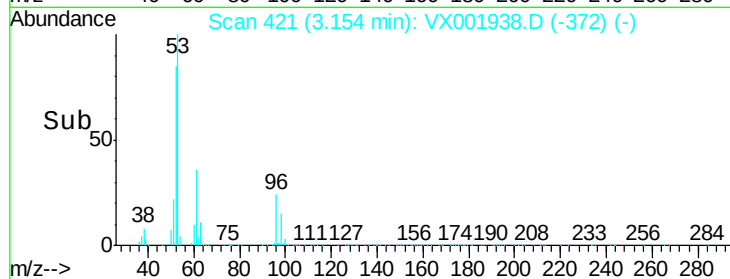
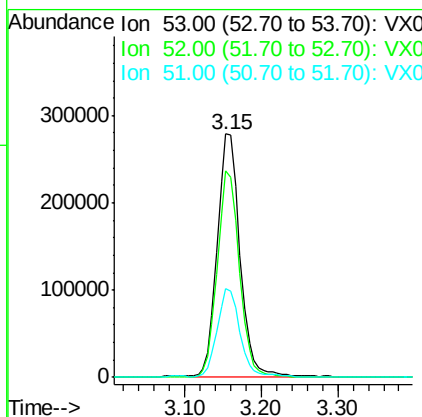
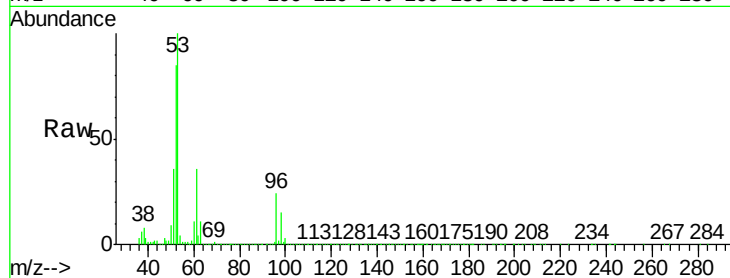
#15
 Acrylonitrile
 Concen: 250.00 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	36.6	29.3	43.9

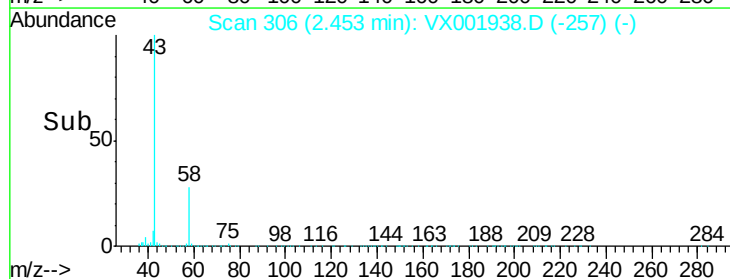
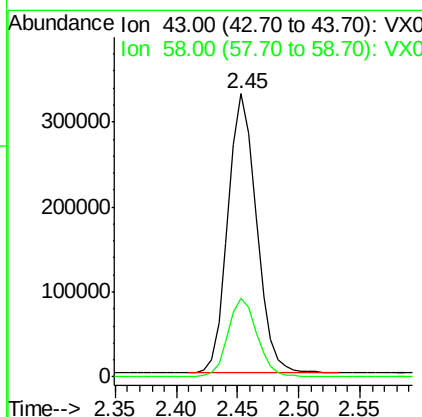
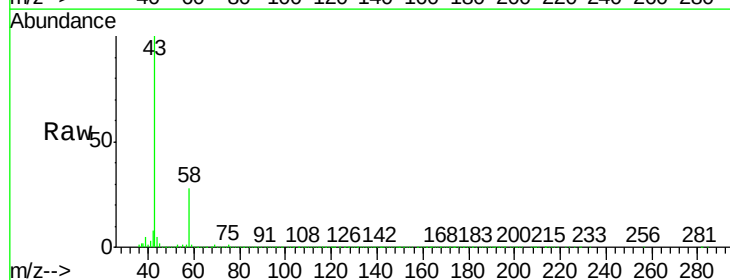
Manual Integrations
 APPROVED

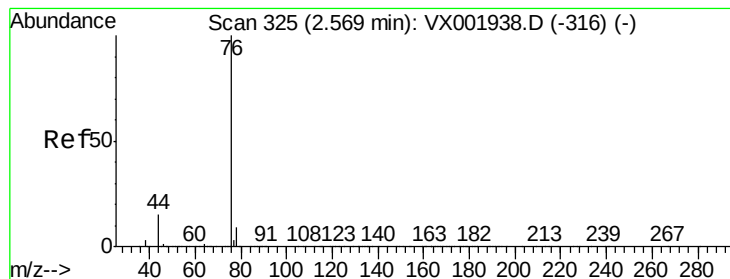
MMDadoda
 5/25/2018 2:25:51 PM



#16
 Acetone
 Concen: 250.00 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





#17

Carbon Disulfide

Concen: 50.00 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Tot Ion: 76 Resp: 516722

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

Instrument :

MSVOA_X

ClientSampleId :

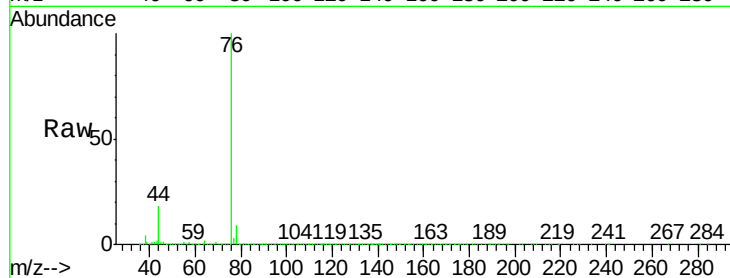
VSTDICCC050

Manual Integrations

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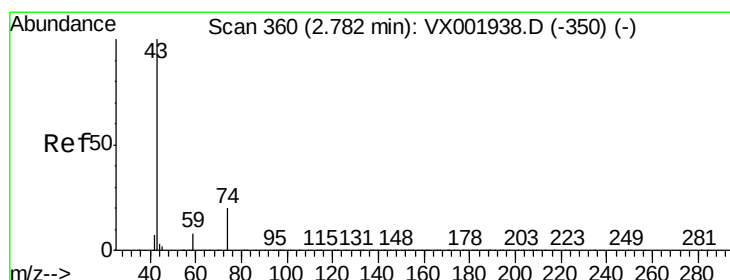
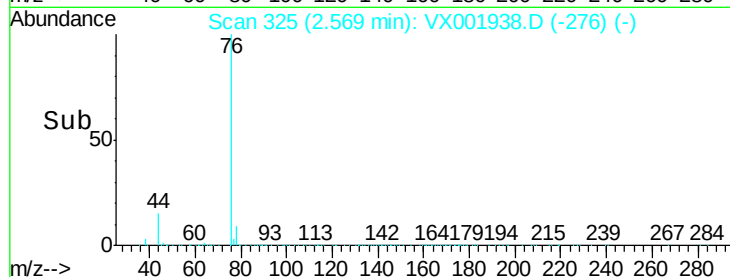
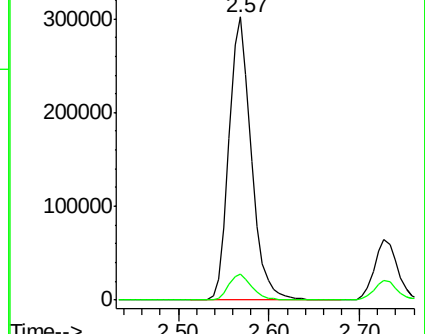
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 50.00 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001938.D

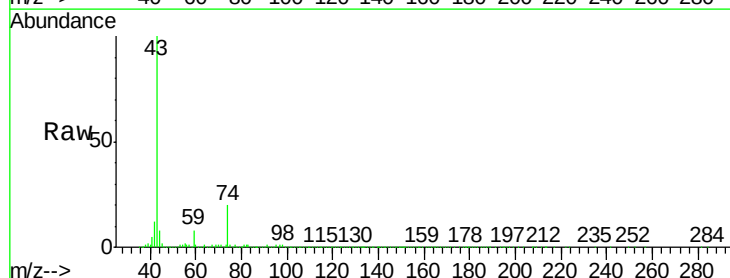
Acq: 24 May 2018 11:46

Tgt Ion: 43 Resp: 275571

Ion Ratio Lower Upper

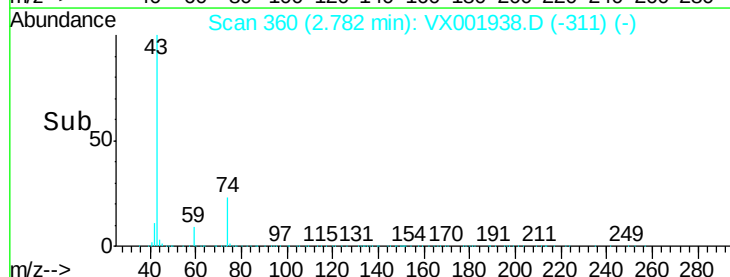
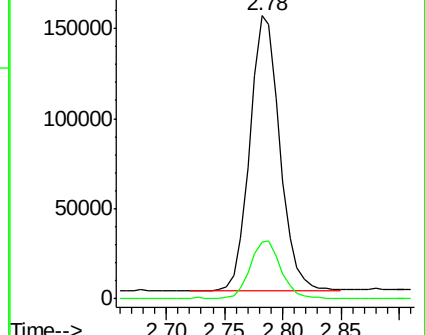
43 100

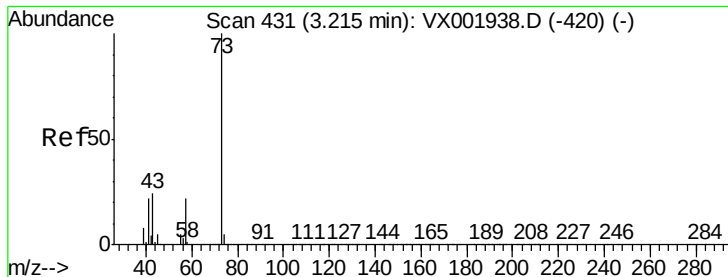
74 21.0 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





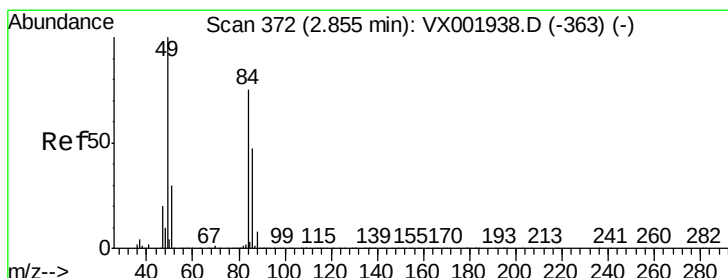
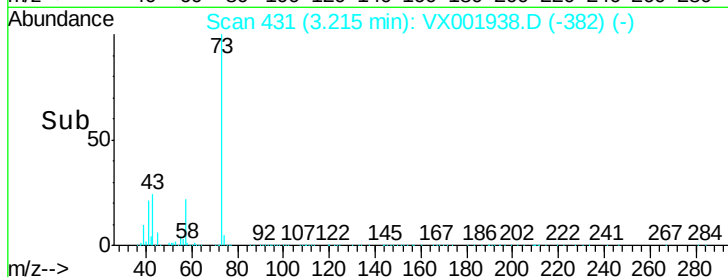
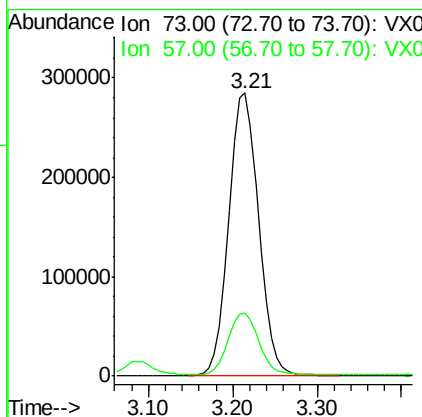
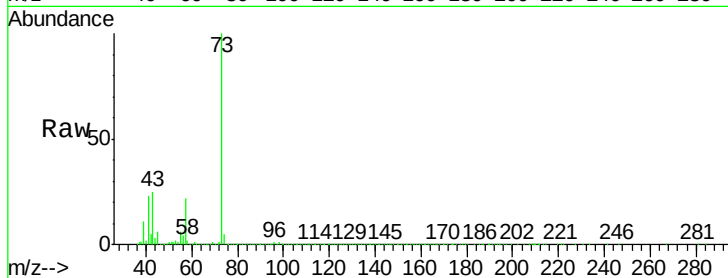
#19
Methyl tert-butyl Ether
Concen: 50.00 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 681259
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

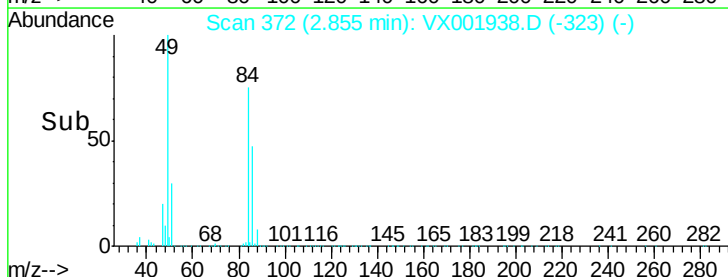
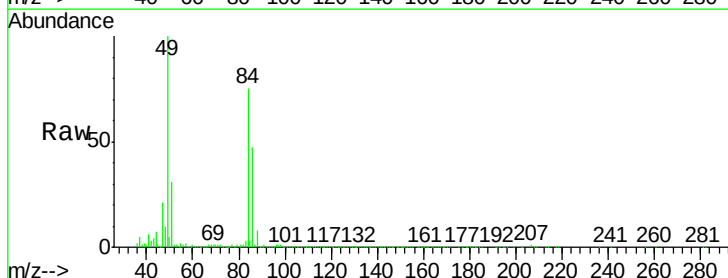
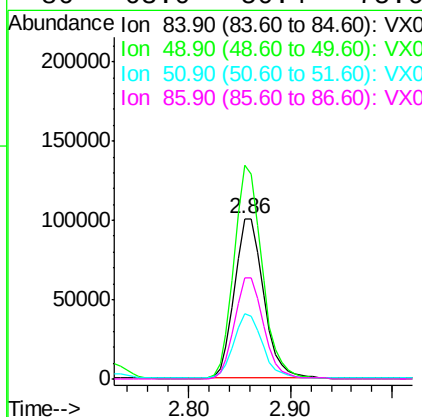
Manual Integrations
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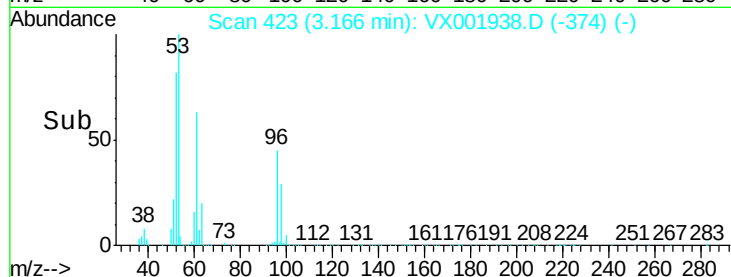
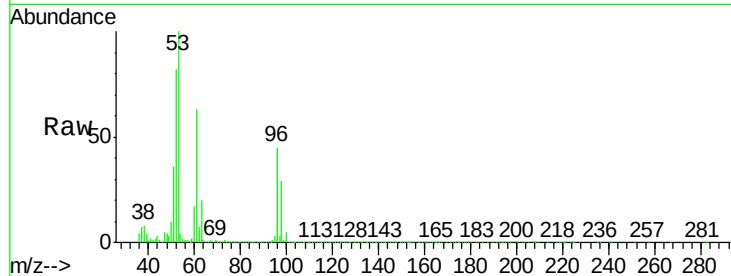
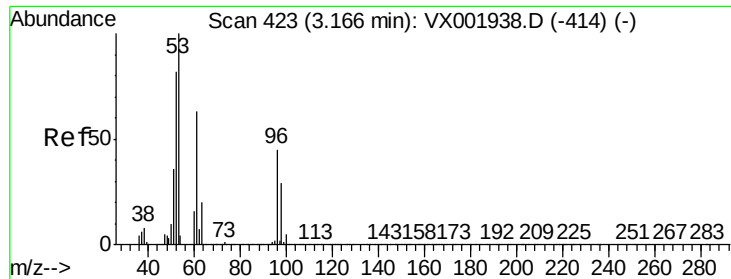
MMDadoda
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#20
Methylene Chloride
Concen: 50.00 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion: 84 Resp: 197916
Ion Ratio Lower Upper
84 100
49 134.0 107.2 160.8
51 40.5 32.4 48.6
86 63.0 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 50.00 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001938.D

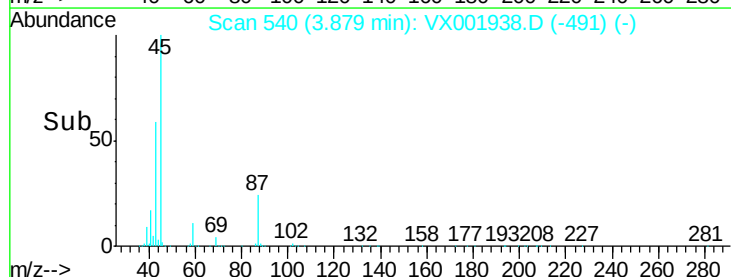
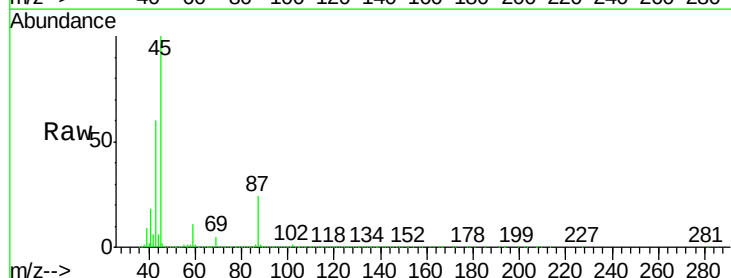
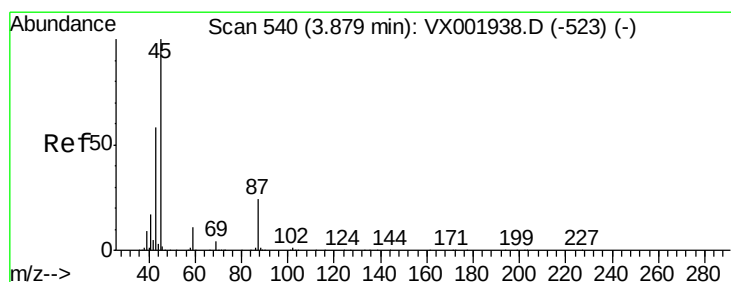
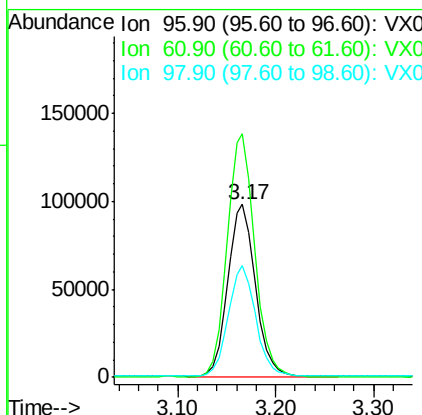
Acq: 24 May 2018 11:46

Tot Ion	Ratio	Resp	Lower	Upper
96	100	190073		
61	141.6	113.3	169.9	
98	64.6	51.7	77.5	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.00 ug/l

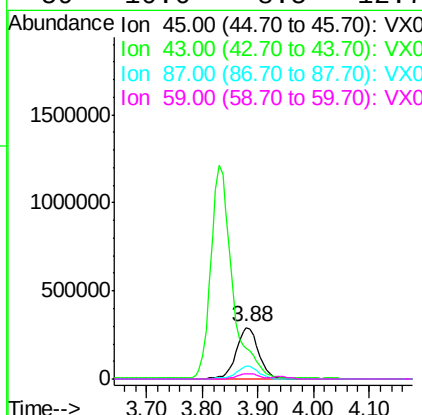
RT: 3.88 min Scan# 540

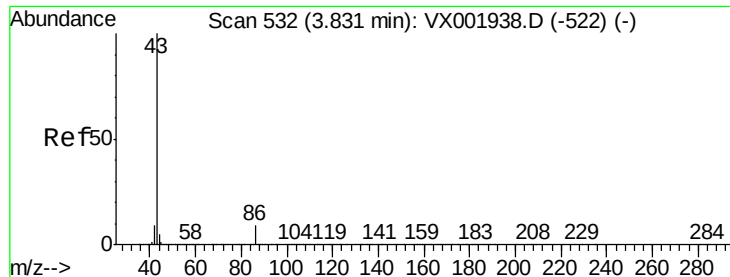
Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	798189		
43	58.8	47.0	70.6	
87	24.2	19.4	29.0	
59	10.6	8.5	12.7	





#23

Vinyl Acetate

Concen: 250.00 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Tot Ion: 43 Resp: 3245097

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4

Instrument :

MSVOA_X

ClientSampleId :

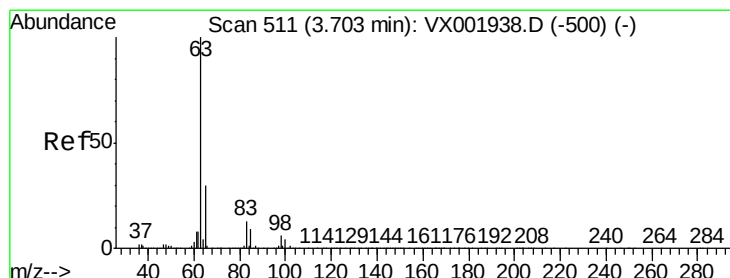
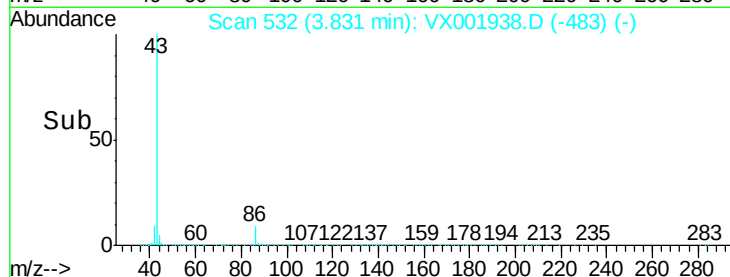
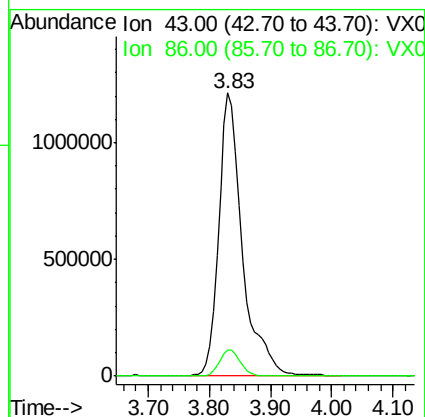
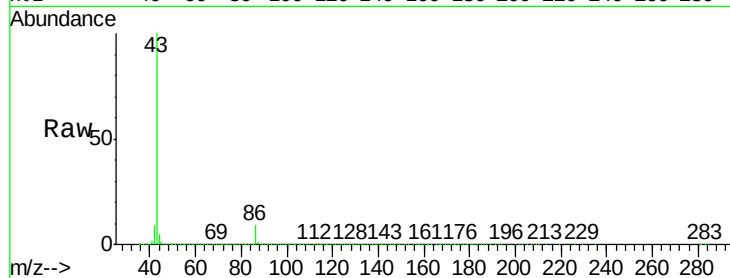
VSTDICCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.00 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

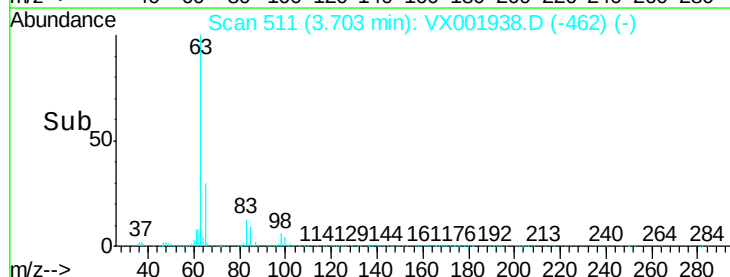
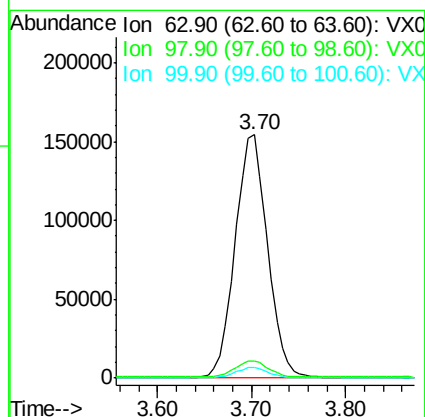
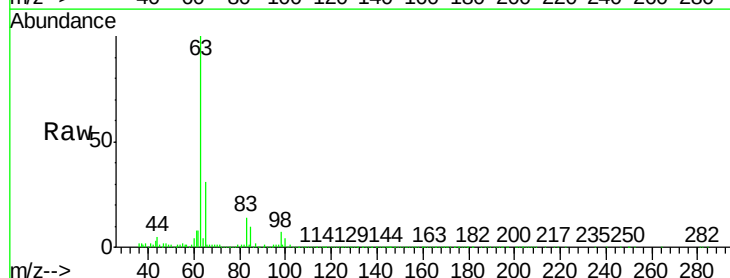
Tgt Ion: 63 Resp: 367743

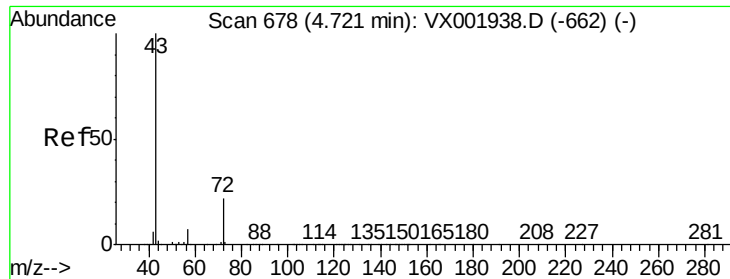
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 250.00 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Tot Ion: 43 Resp: 1005986

Ion Ratio Lower Upper

43 100

72 22.4 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

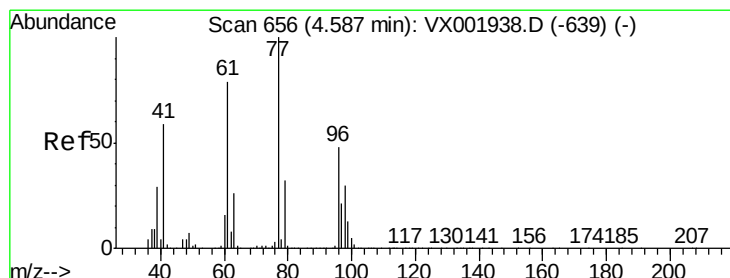
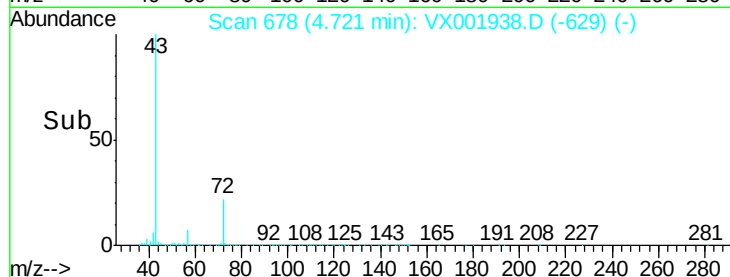
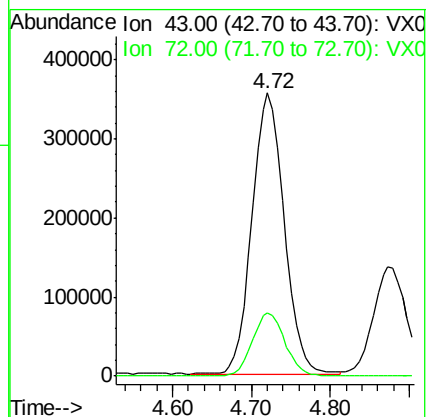
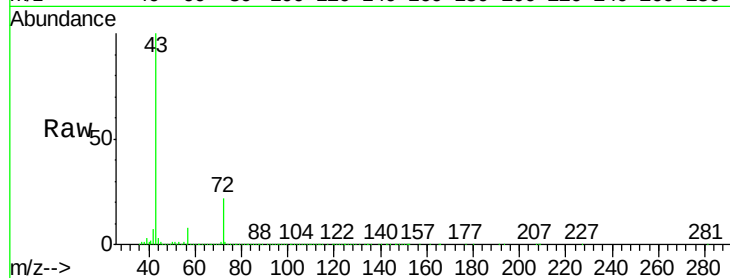
VSTDICCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.00 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX001938.D

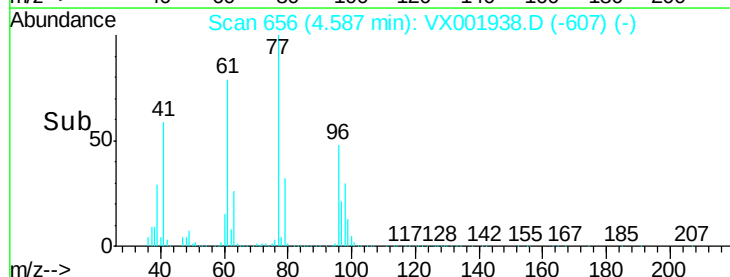
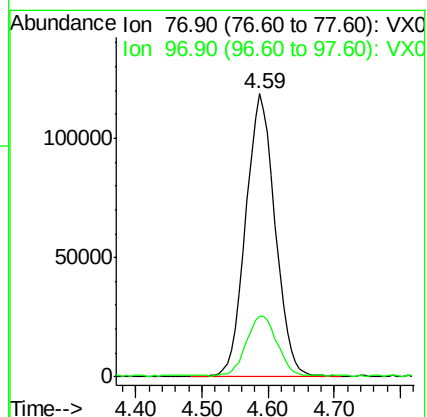
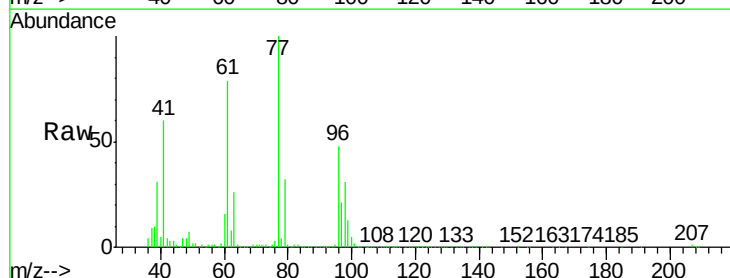
Acq: 24 May 2018 11:46

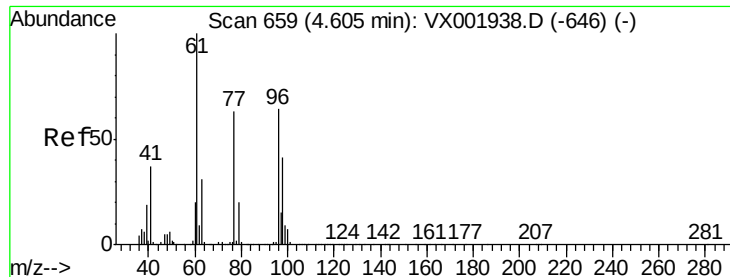
Tgt Ion: 77 Resp: 364654

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

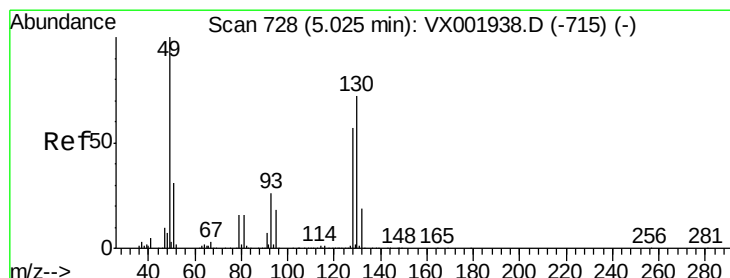
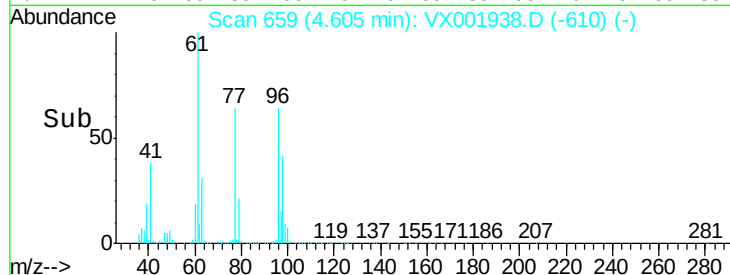
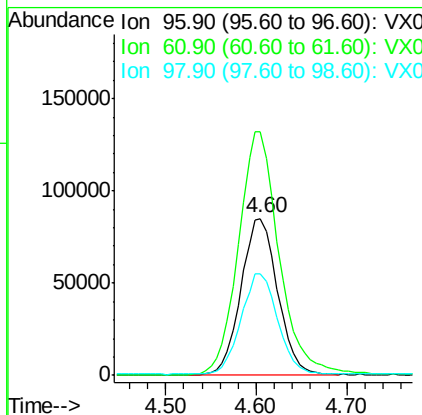
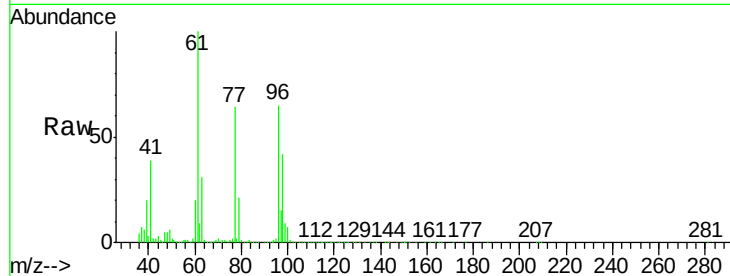
cis-1,2-Dichloroethene
Concen: 50.00 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	236159		
61	174.2	0.0	348.4	
98	64.3	0.0	128.6	

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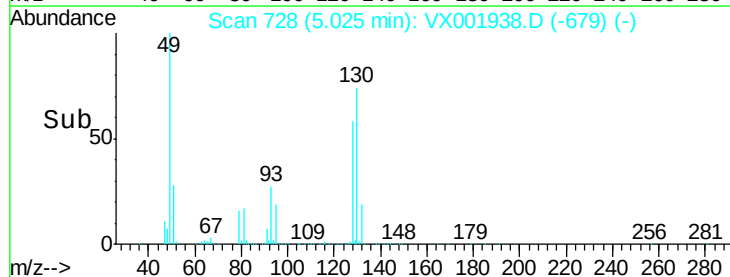
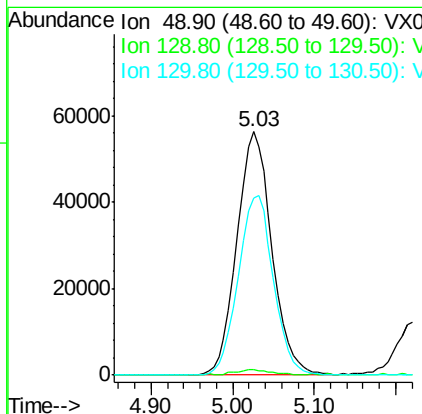
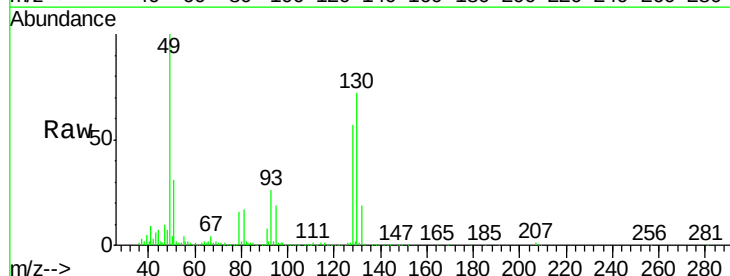
MMDadoda
5/25/2018 2:25:51 PM

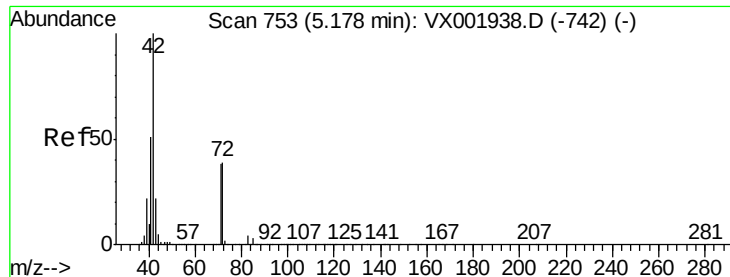


#28

Bromochloromethane
Concen: 50.00 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167517		
129	1.9	0.0	3.8	
130	74.3	59.4	89.2	





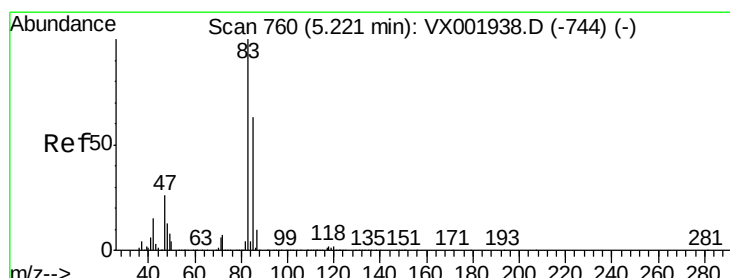
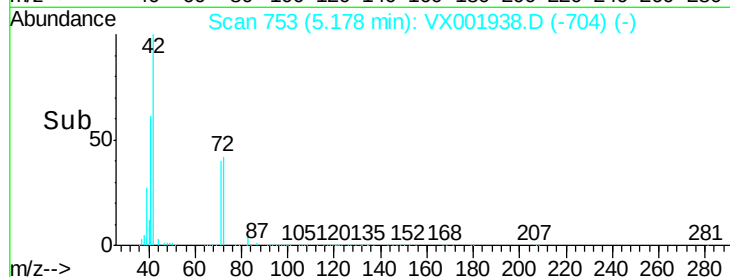
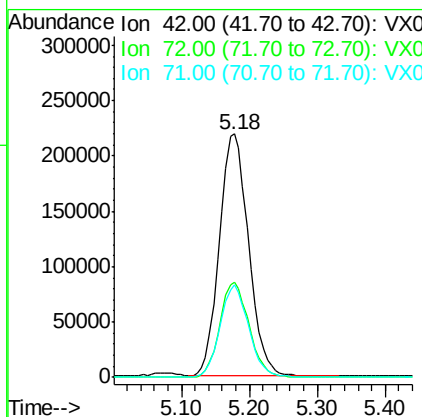
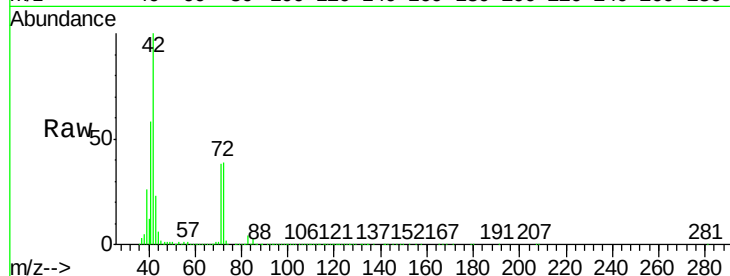
#29
Tetrahydrofuran
Concen: 250.00 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	39.2	31.4	47.0
71	36.9	29.5	44.3

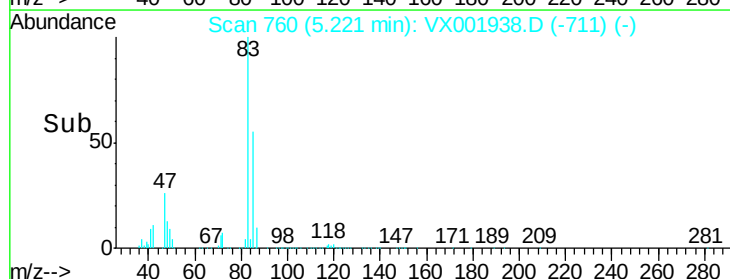
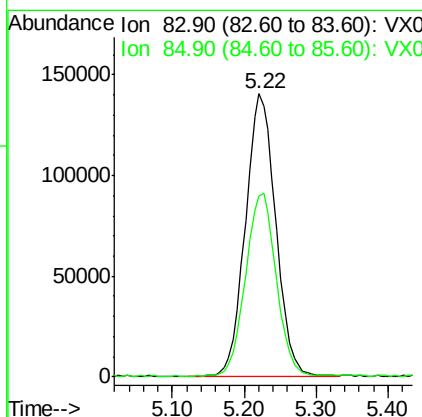
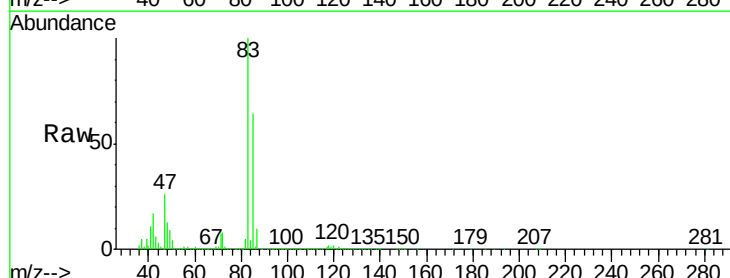
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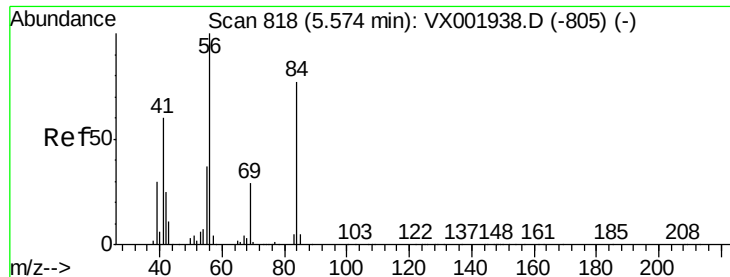
MMDadoda
5/25/2018 2:25:51 PM



#30
Chloroform
Concen: 50.00 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	63.6	50.9	76.3





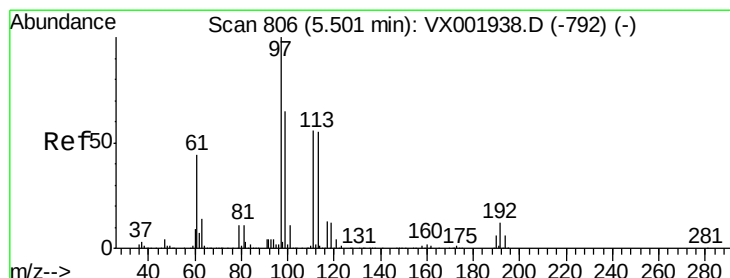
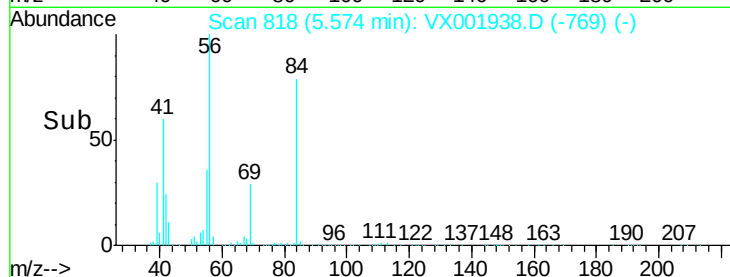
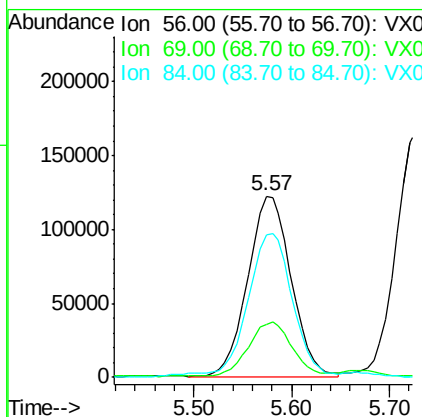
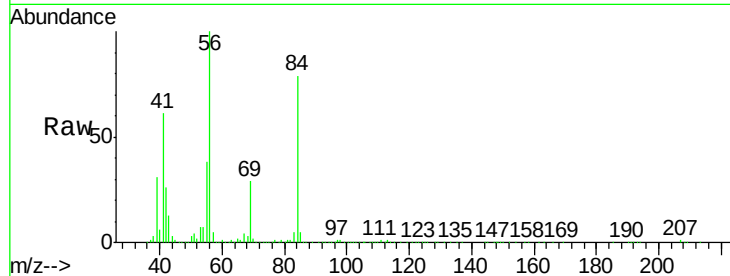
#31
Cyclohexane
Concen: 50.00 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.1	34.7
84	77.5	62.0	93.0

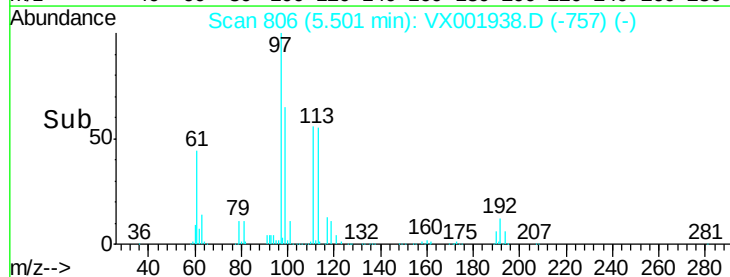
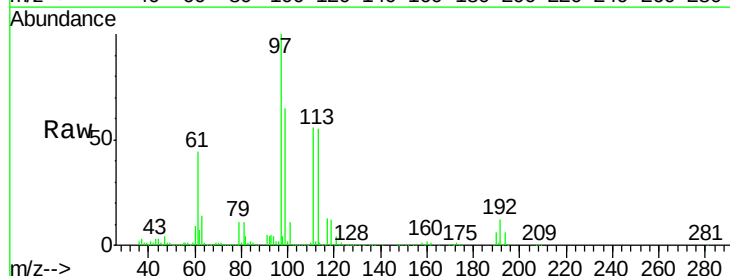
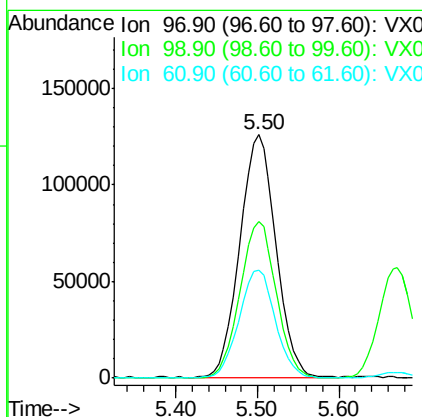
Manual Integrations
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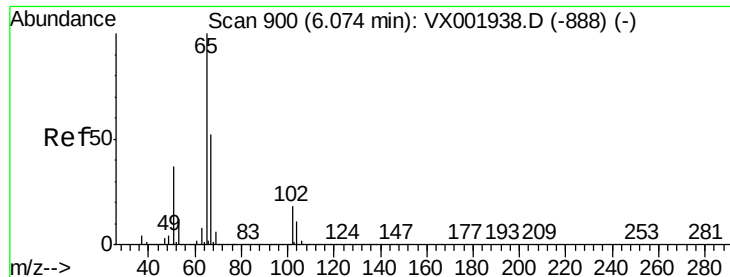
MMDadoda
5/25/2018 2:25:51 PM



#32
1,1,1-Trichloroethane
Concen: 50.00 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.9	77.9
61	44.9	35.9	53.9





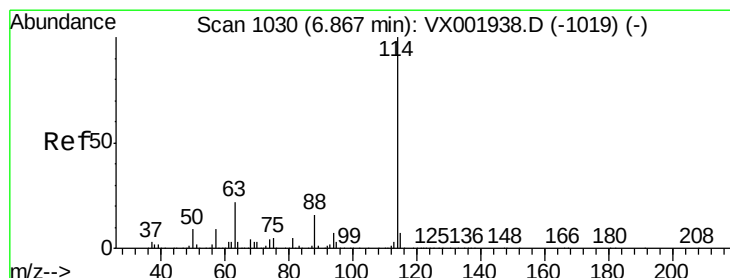
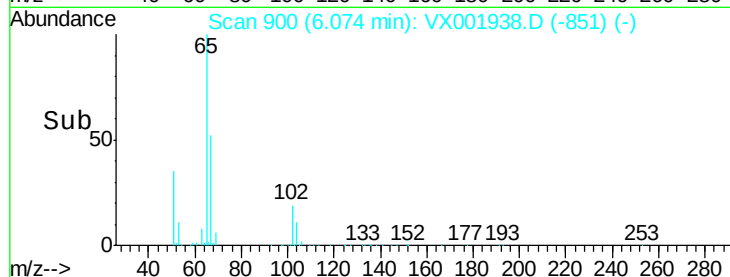
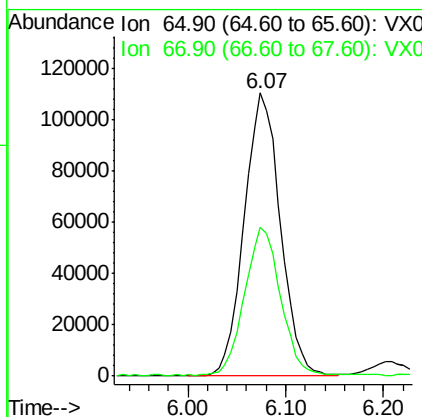
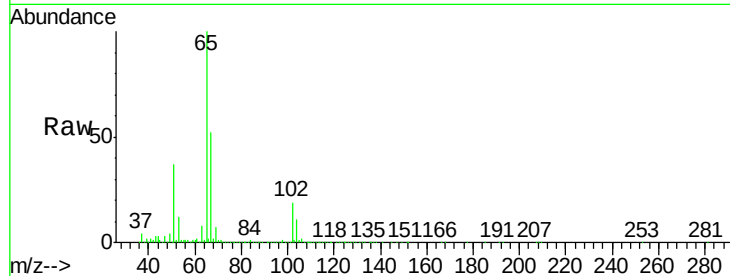
#33
 1,2-Dichloroethane-d4
 Concen: 50.00 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	282022		
67	52.0	0.0	104.0	

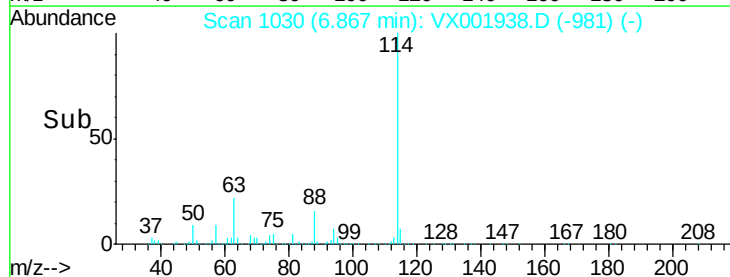
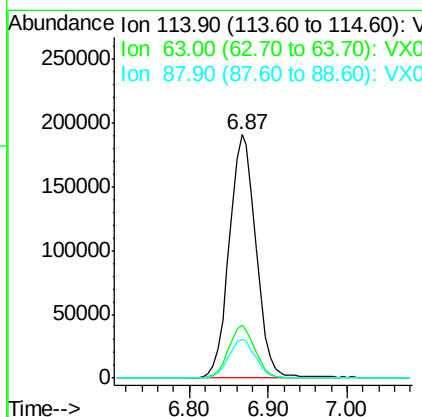
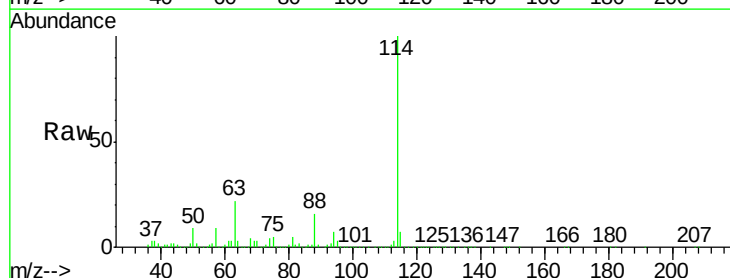
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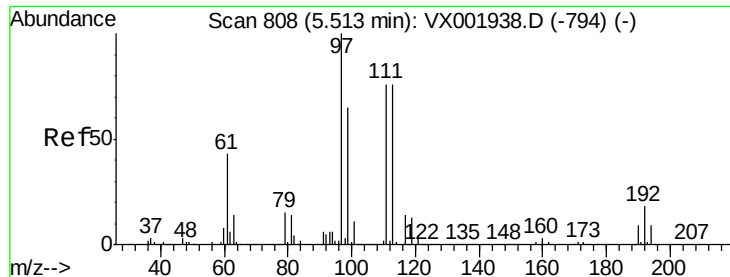
MMDadoda
 5/25/2018 2:25:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	450219		
63	21.6	0.0	43.2	
88	15.8	0.0	31.6	





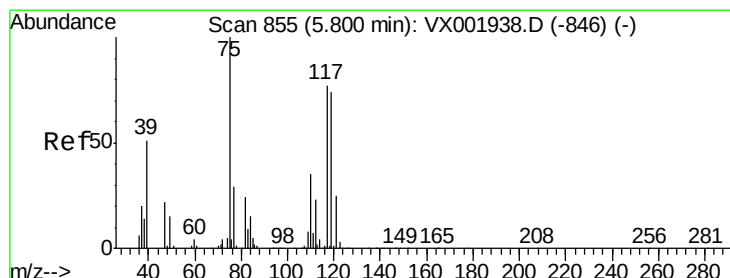
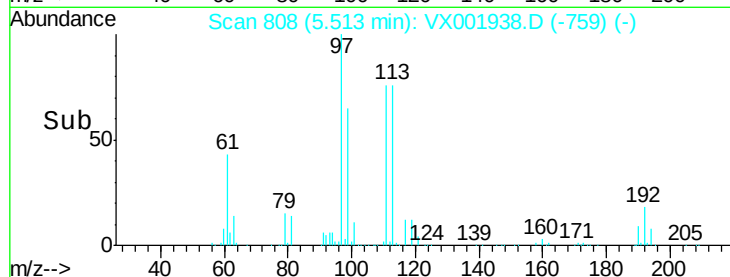
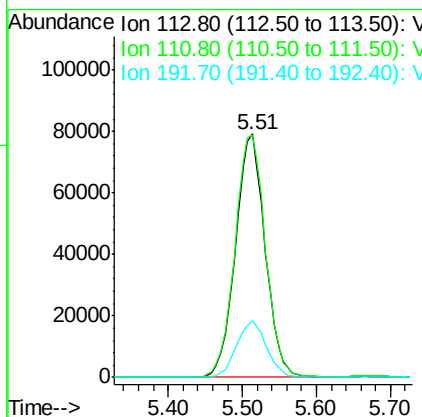
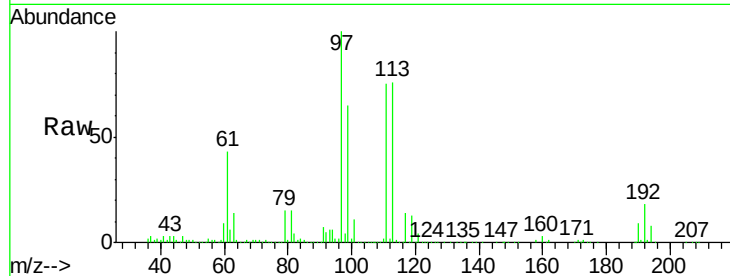
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219400		
111	102.5	82.0	123.0	
192	23.6	18.9	28.3	

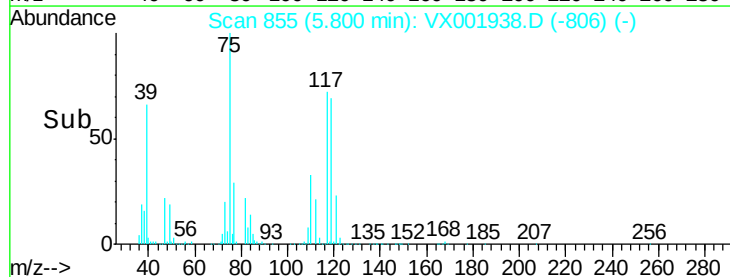
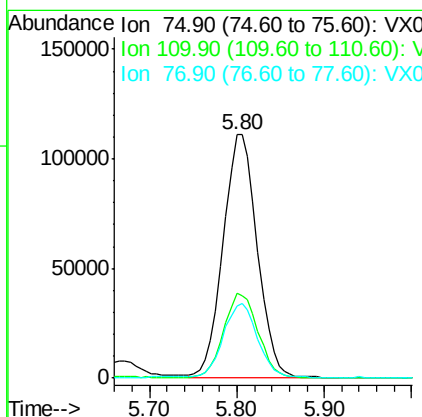
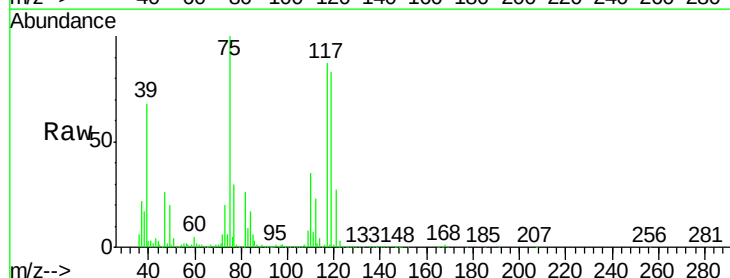
Manual Integrations
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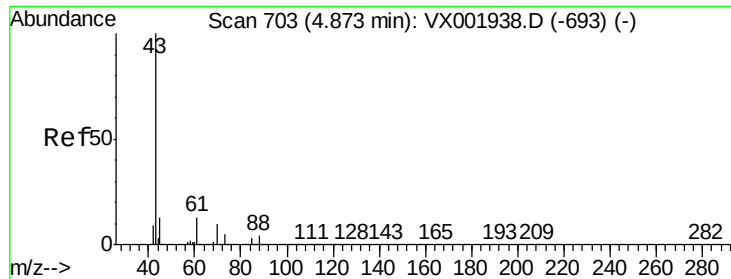
MMDadoda
 5/25/2018 2:25:51 PM



#36
 1,1-Dichloropropene
 Concen: 50.00 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	300263		
110	34.8	17.4	52.2	
77	30.5	24.4	36.6	





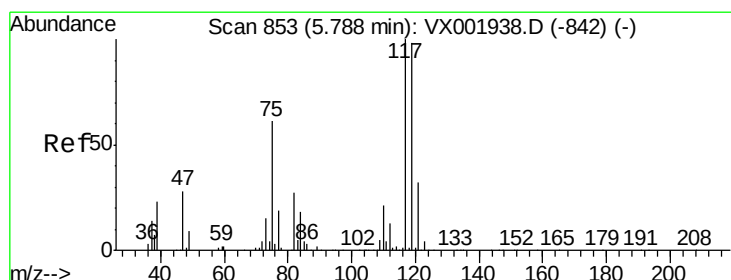
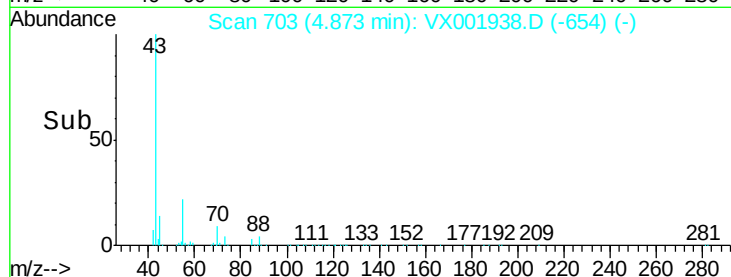
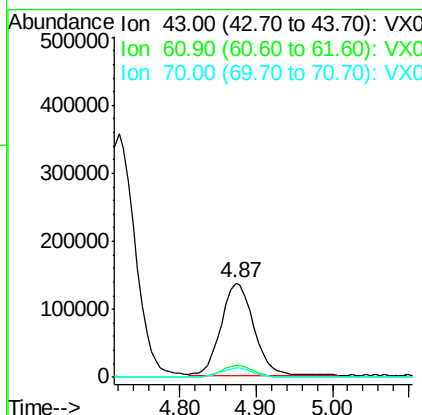
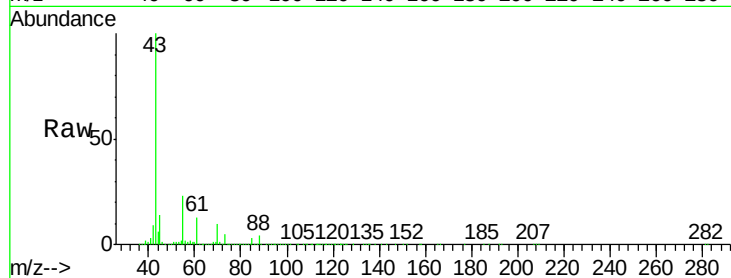
#37
Ethyl Acetate
Concen: 50.00 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.8	7.8	11.8

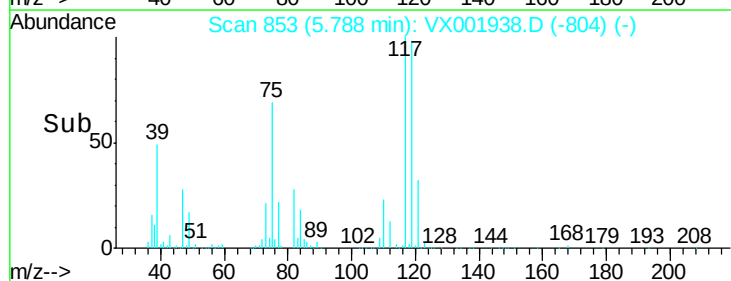
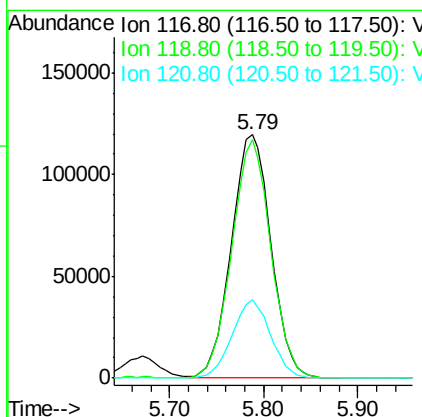
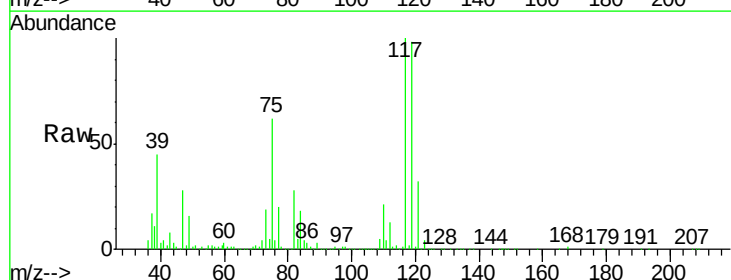
Manual Integrations
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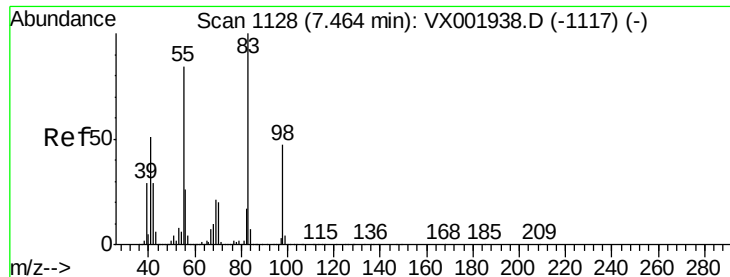
MMDadoda
5/25/2018 2:25:51 PM



#38
Carbon Tetrachloride
Concen: 50.00 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	78.5	117.7
121	31.9	25.5	38.3





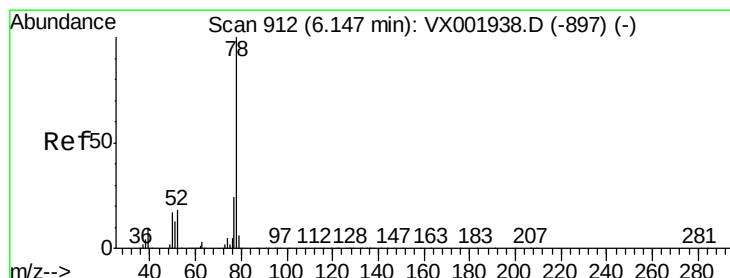
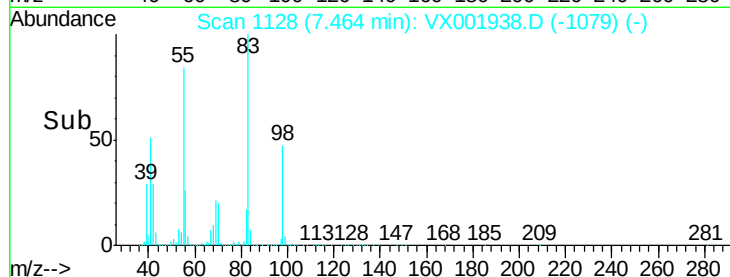
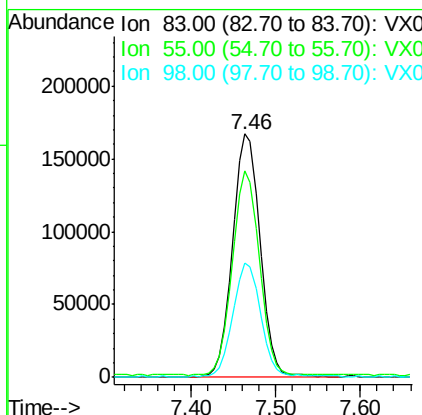
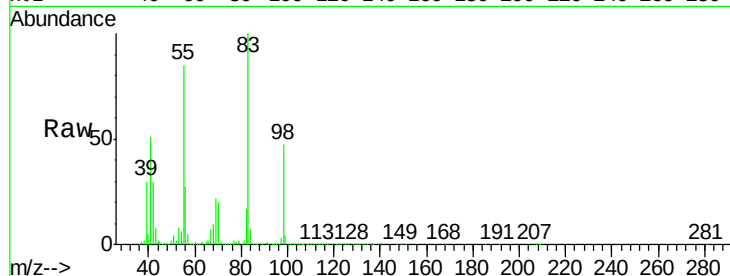
#39
Methylvlcyclohexane
Concen: 50.00 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.1	67.3	100.9
98	46.9	37.5	56.3

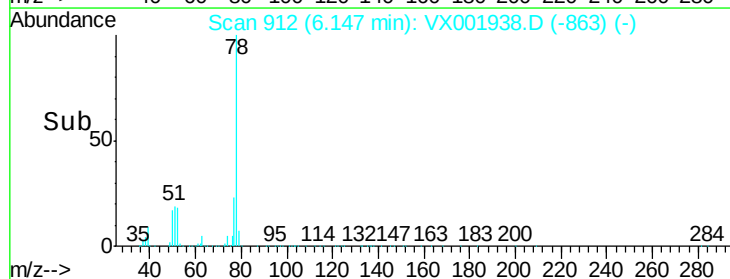
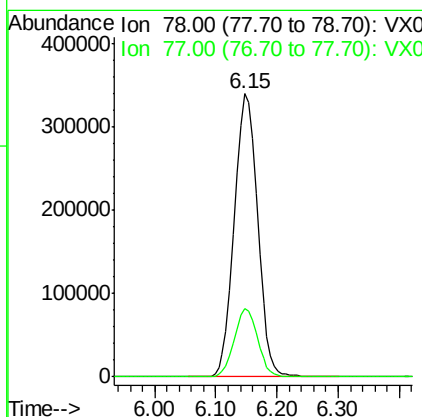
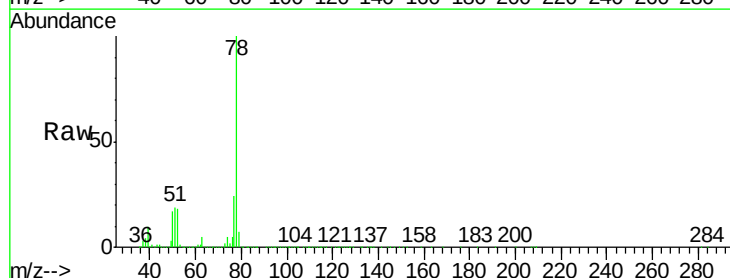
Manual Integrations
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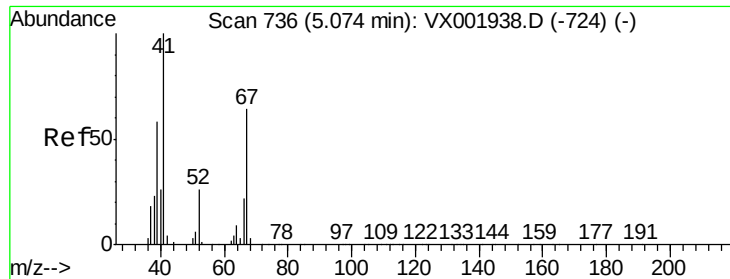
MMDadoda
5/25/2018 2:25:51 PM



#40
Benzene
Concen: 50.00 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





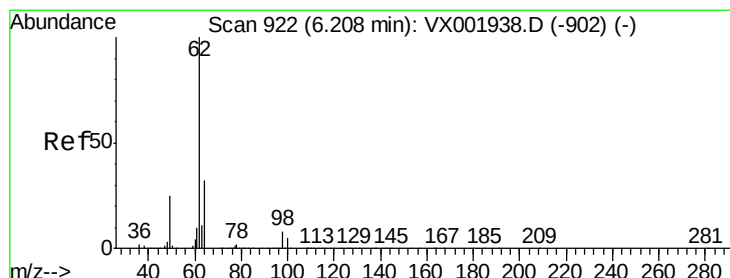
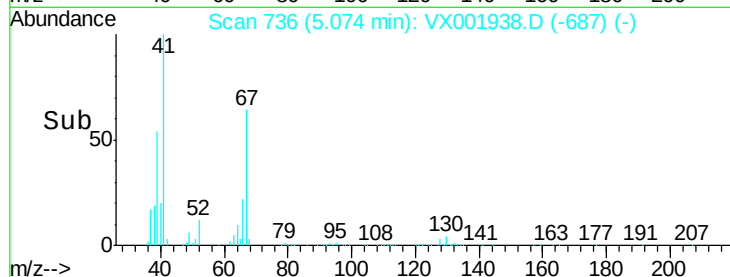
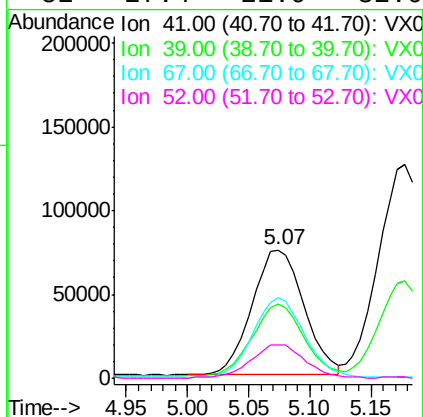
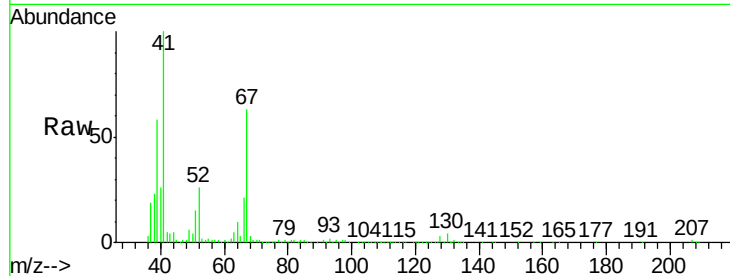
#41
Methacrylonitrile
Concen: 50.00 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		220873		
39	57.5	46.0	69.0		
67	63.2	50.6	75.8		
52	27.4	21.9	32.9		

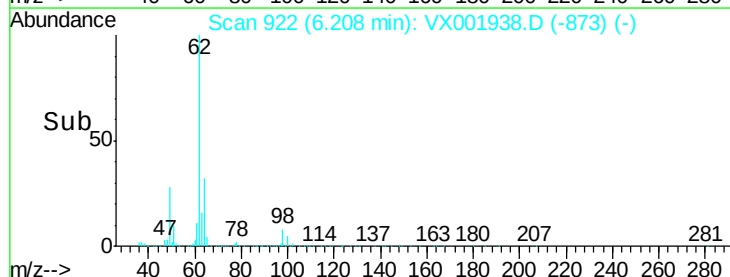
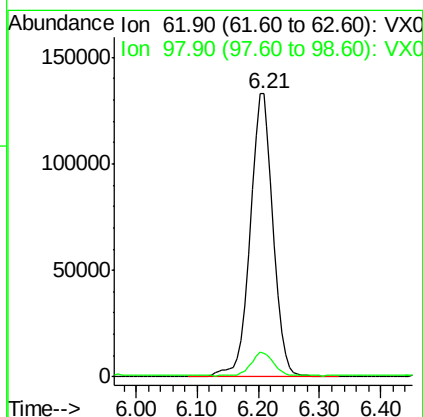
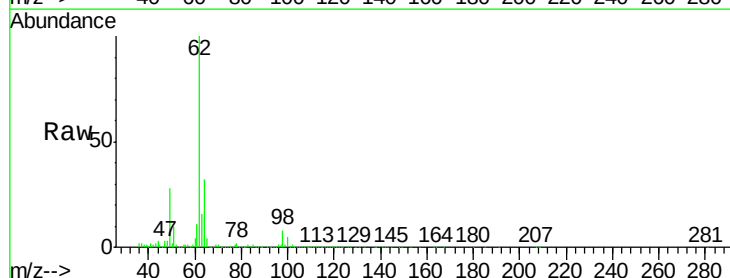
Manual Integrations
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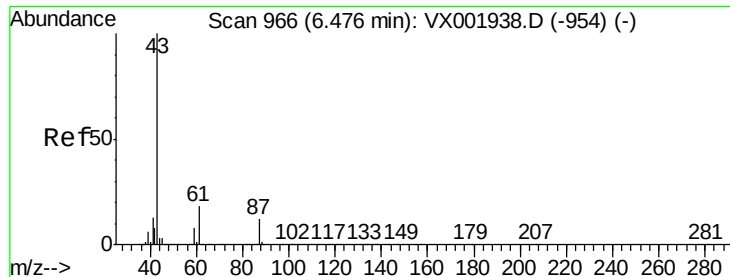
MMDadoda
5/25/2018 2:25:51 PM



#42
1,2-Dichloroethane
Concen: 50.00 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		348451		
98	8.5	0.0	17.0		





#43

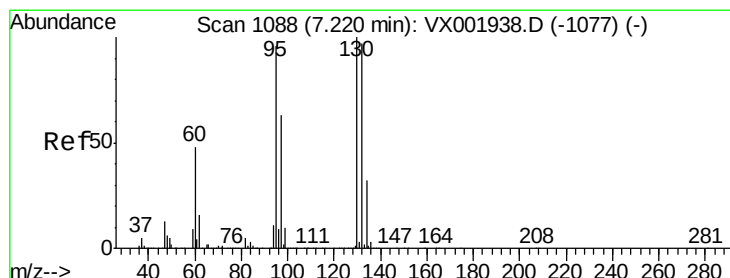
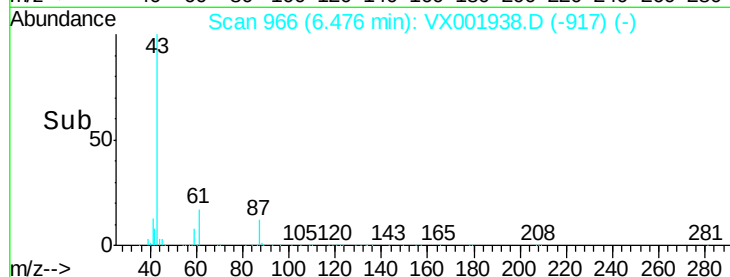
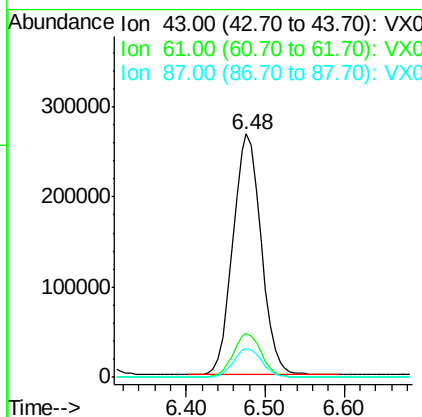
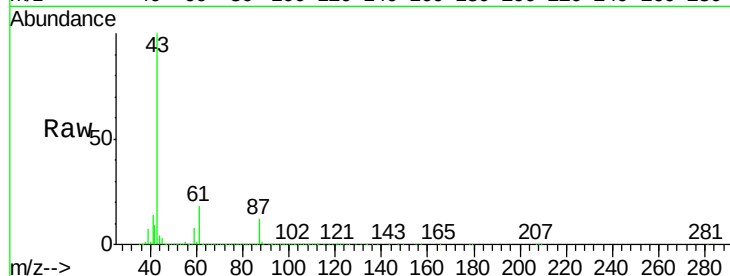
Isopropyl Acetate
 Concen: 50.00 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.5	21.7
87	11.9	9.5	14.3

Manual Integrations
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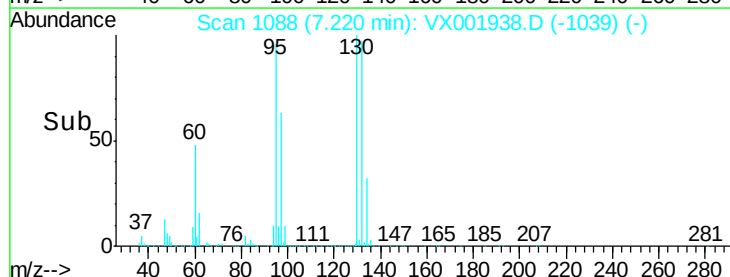
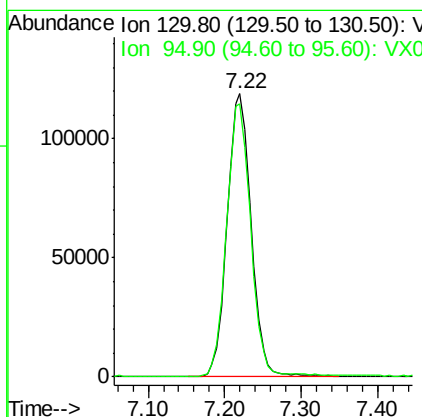
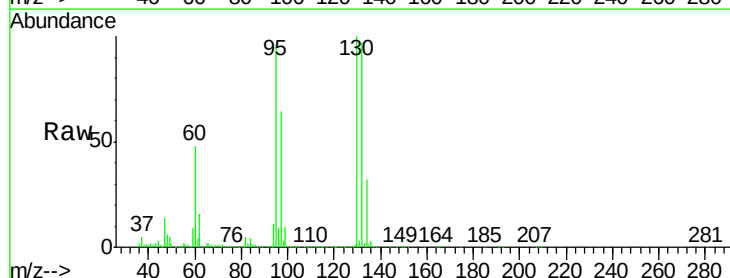
MMDadoda
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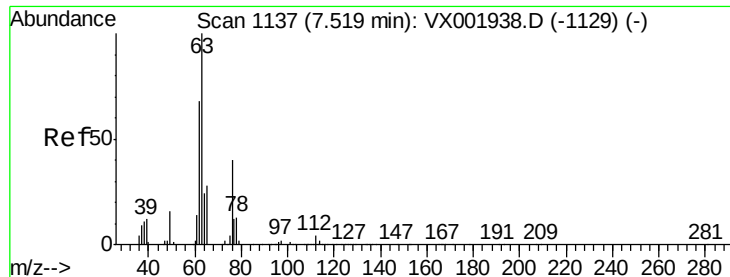


#44

Trichloroethene
 Concen: 50.00 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	192.0





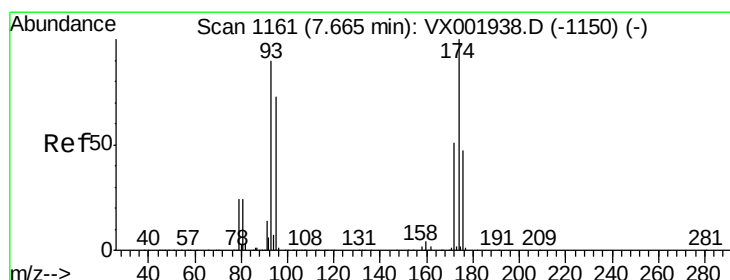
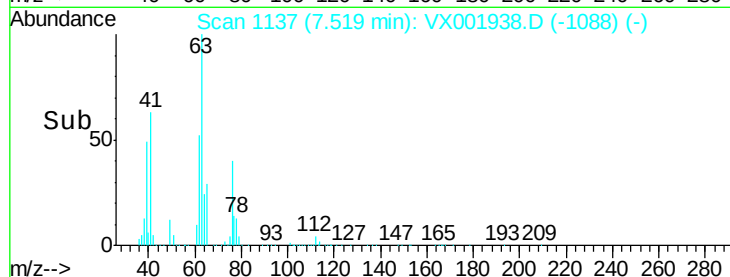
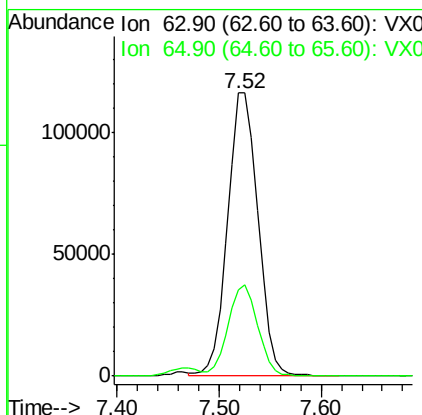
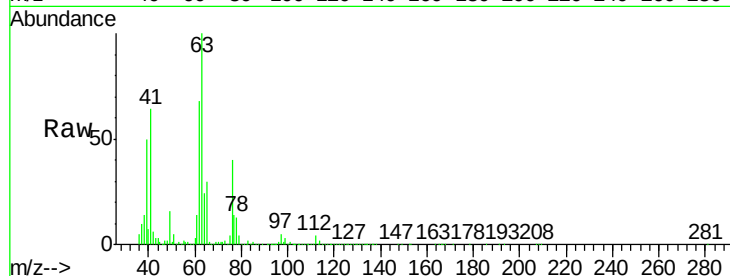
#45
 1,2-Dichloropropane
 Concen: 50.00 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	237924		
65	30.1		24.1	36.1

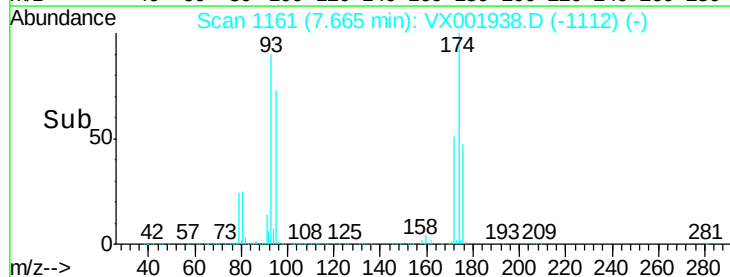
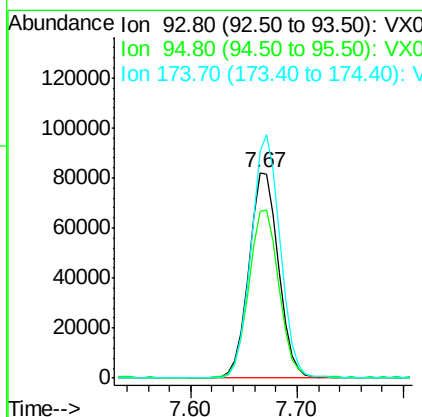
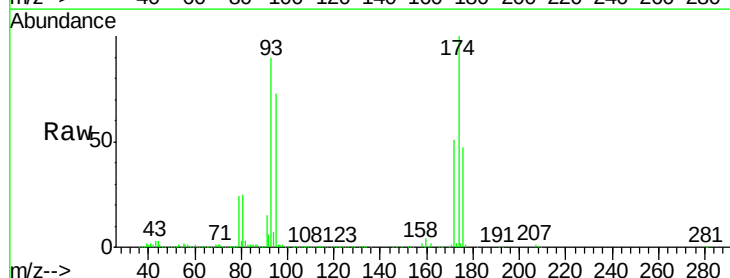
Manual Integrations
 APPROVED

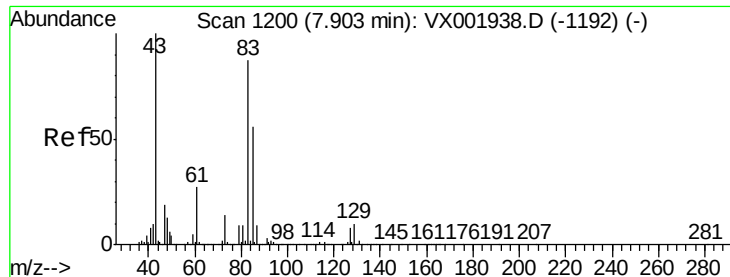
MMDadoda
 5/25/2018 2:25:51 PM



#46
 Dibromomethane
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	160572		
95	82.6		66.1	99.1
174	115.6		92.5	138.7





#47

Bromodichloromethane

Concen: 50.00 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

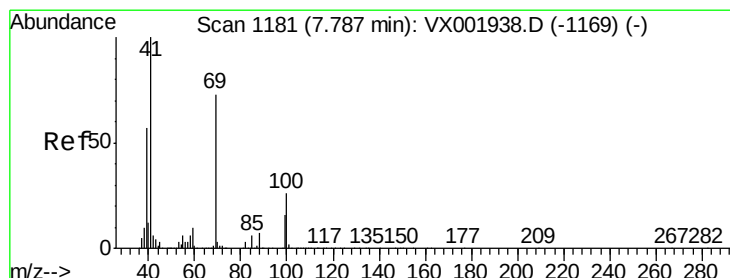
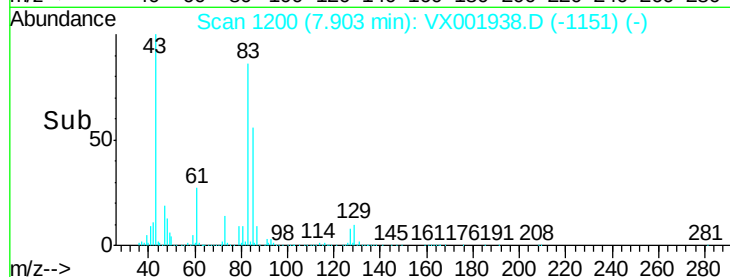
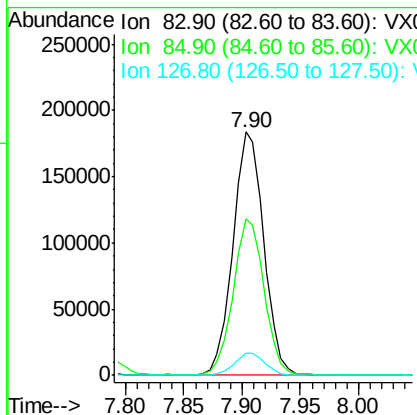
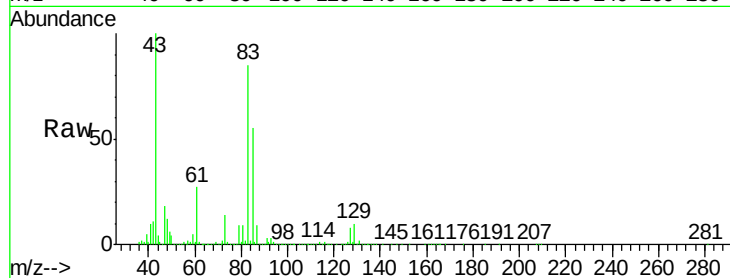
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	337495
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.4	77.2
127	8.9	7.1	10.7

Manual Integrations
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5/25/2018 2:25:51 PM



#48

Methyl methacrylate

Concen: 50.00 ug/l

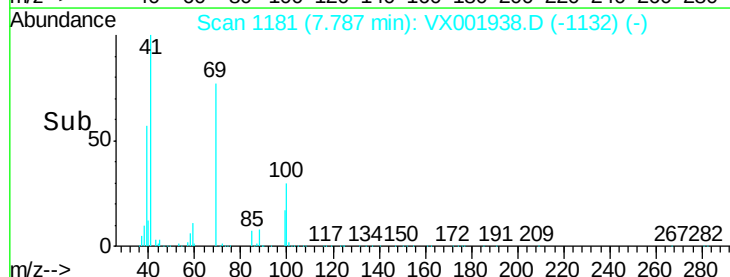
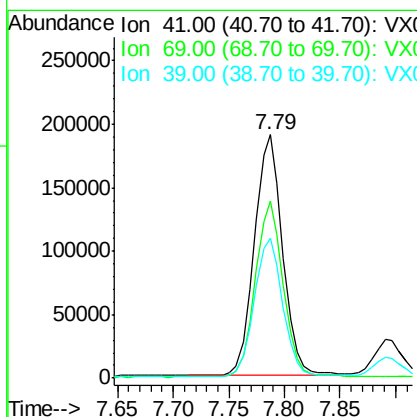
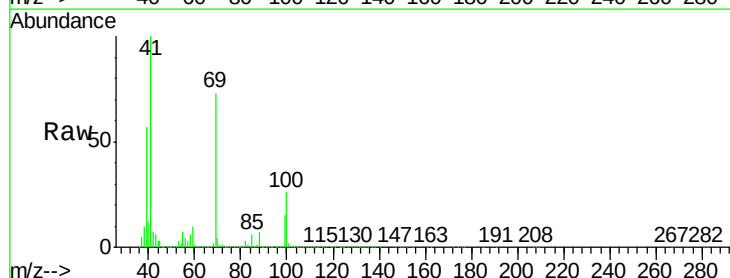
RT: 7.79 min Scan# 1181

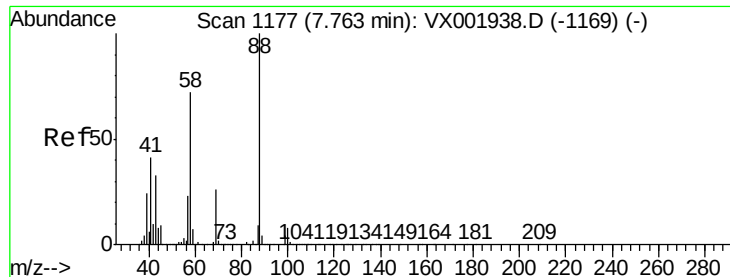
Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Tgt Ion:	41	Resp:	336265
Ion Ratio	Lower	Upper	
41	100		
69	73.2	58.6	87.8
39	57.9	46.3	69.5





#49

1,4-Dioxane

Concen: 1000.00 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

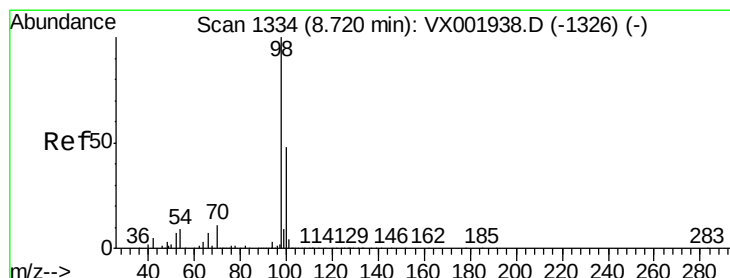
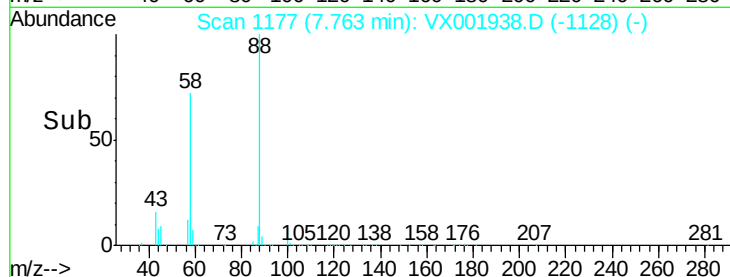
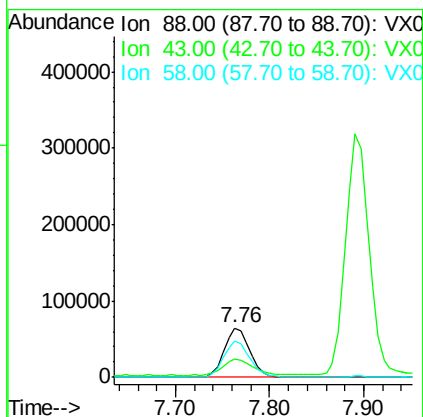
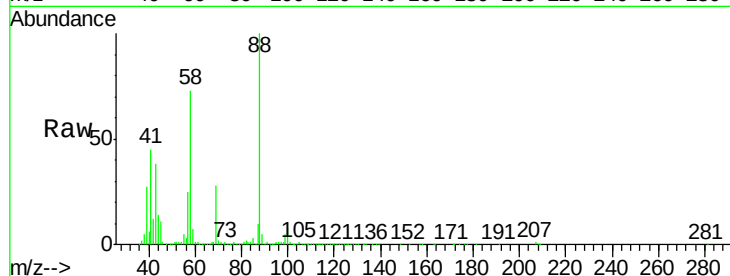
ClientSampleId :

VSTDICCC050

Tot Ion:	88	Resp:	121233
Ion Ratio	Lower	Upper	
88	100		
43	37.3	29.8	44.8
58	73.4	58.7	88.1

Manual Integrations
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#50

Toluene-d8

Concen: 50.00 ug/l

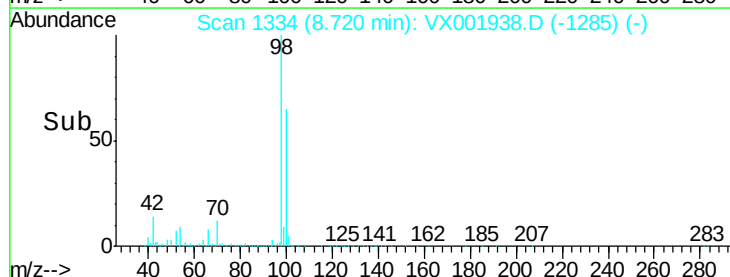
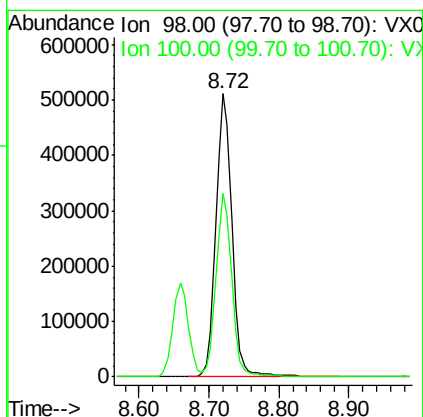
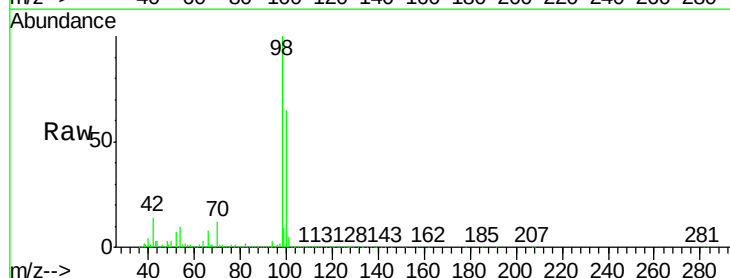
RT: 8.72 min Scan# 1334

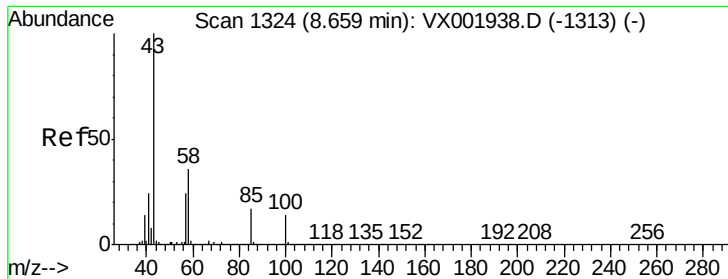
Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Tgt Ion:	98	Resp:	809831
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 250.00 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2012306

Ion Ratio Lower Upper

43 100

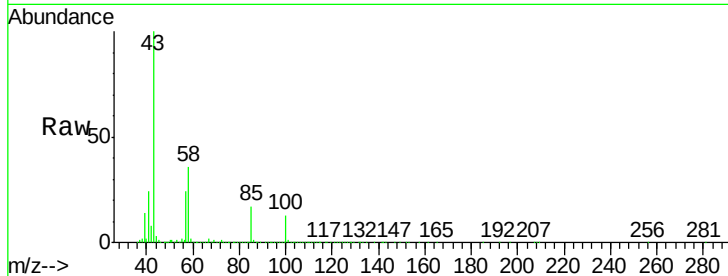
58 35.6 28.5 42.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

1500000

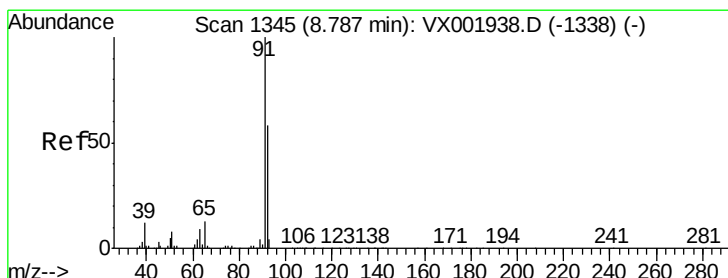
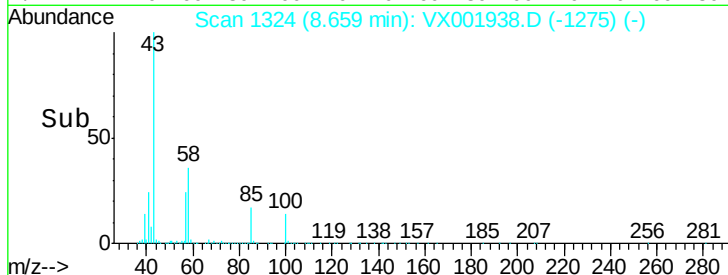
1000000

500000

0

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 50.00 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX001938.D

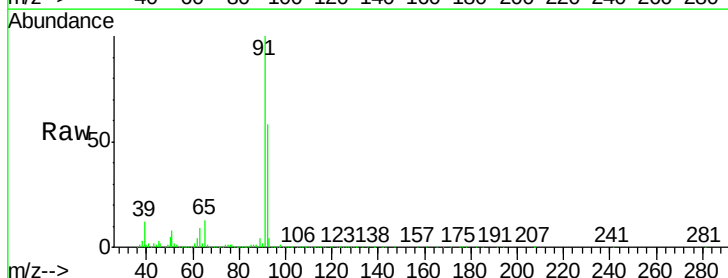
Acq: 24 May 2018 11:46

Tgt Ion: 92 Resp: 564016

Ion Ratio Lower Upper

92 100

91 174.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

600000

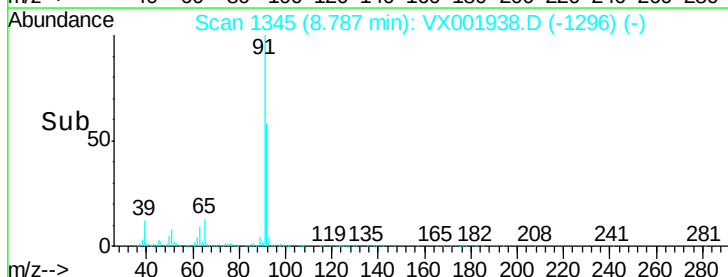
400000

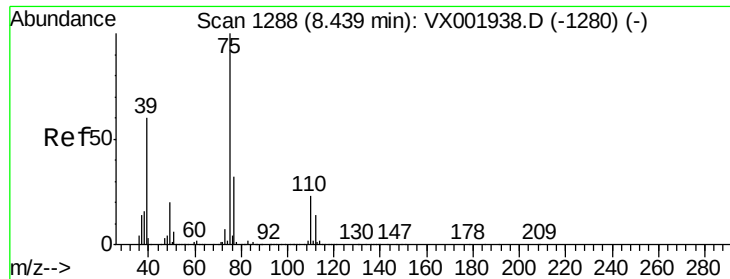
200000

0

8.70 8.80 8.90 9.00

Time-->





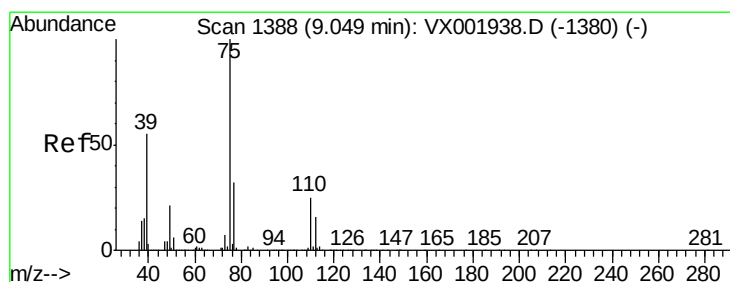
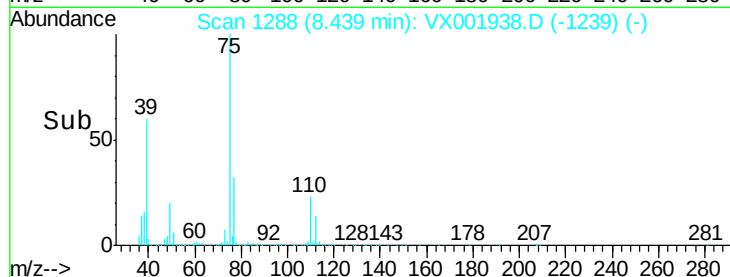
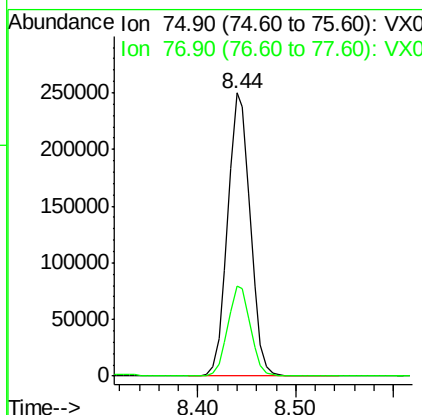
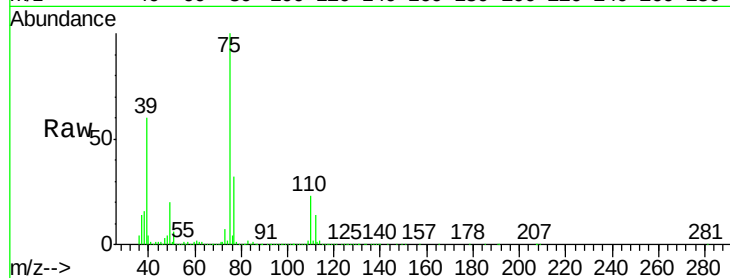
#53
t-1,3-Dichloropropene
Concen: 50.00 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

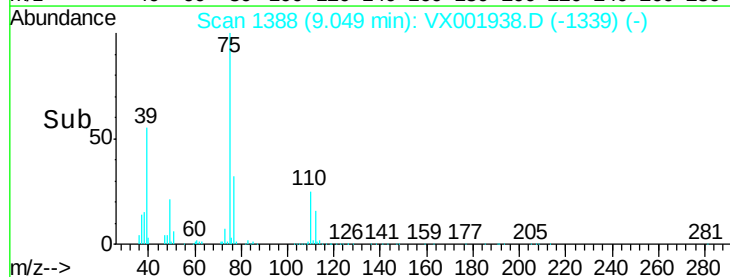
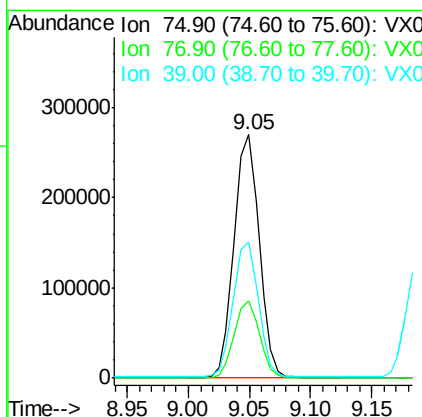
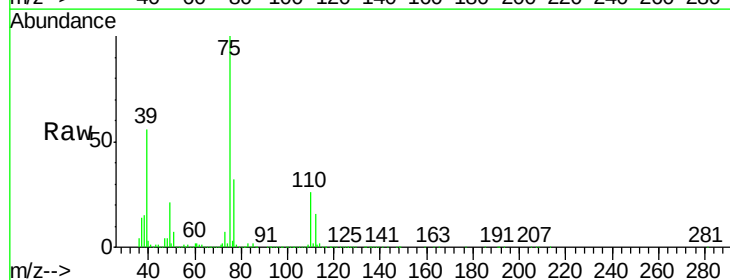
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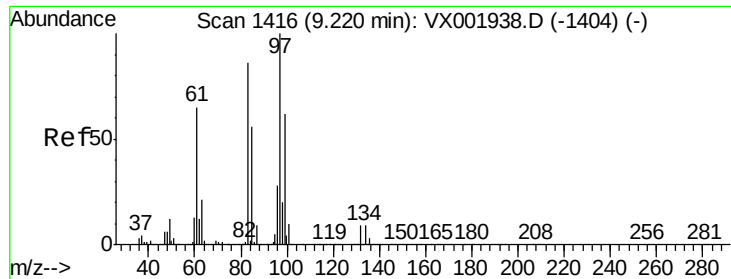
MMDadoda
5/25/2018 2:25:51 PM



#54
cis-1,3-Dichloropropene
Concen: 50.00 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	55.1	44.1	66.1





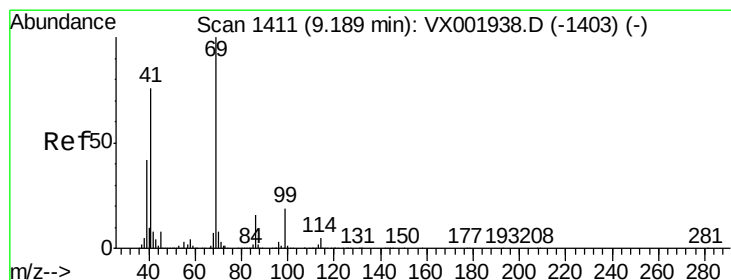
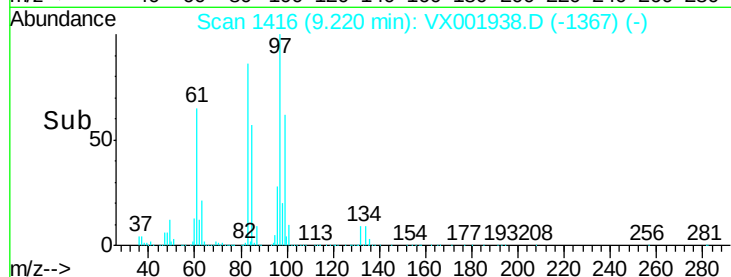
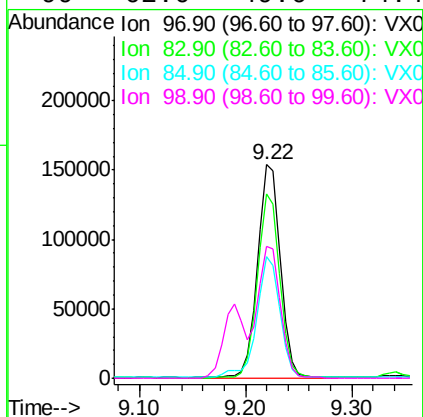
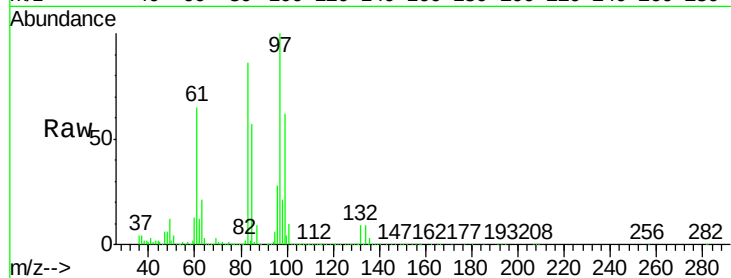
#55
 1,1,2-Trichloroethane
 Concen: 50.00 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	230996
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.1	103.7
85	56.5	45.2	67.8
99	62.0	49.6	74.4

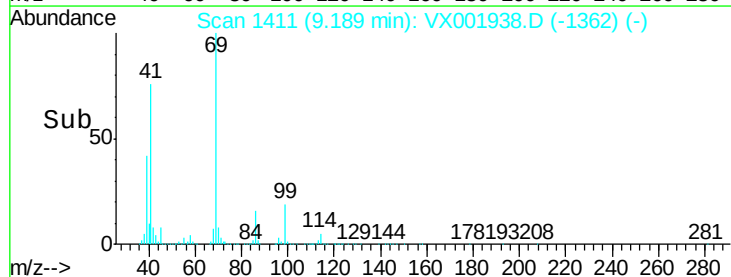
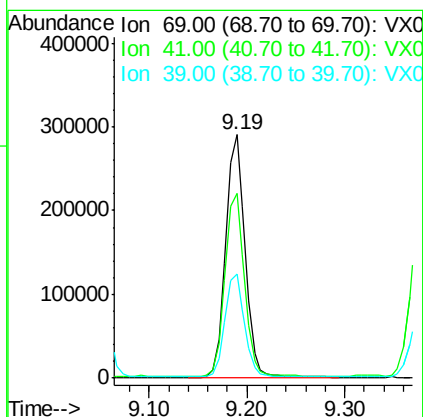
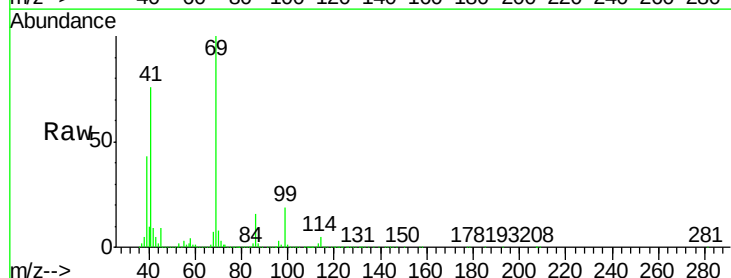
Manual Integrations
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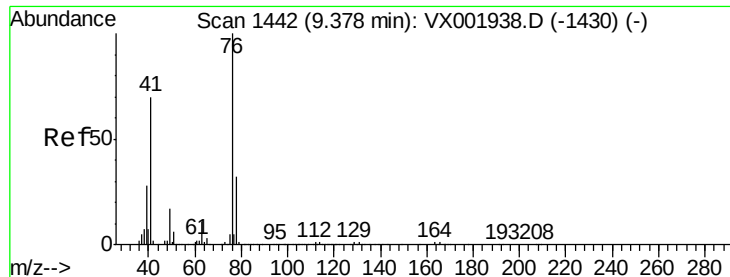
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 50.00 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion:	69	Resp:	397827
Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.0	91.6
39	43.0	34.4	51.6





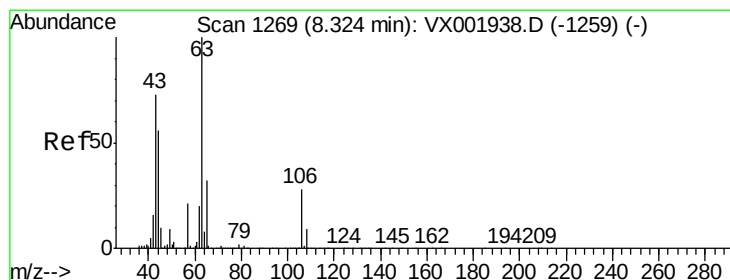
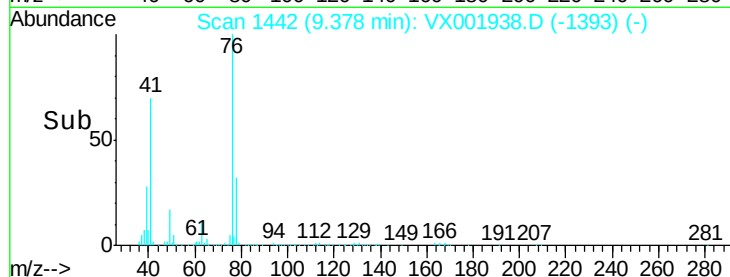
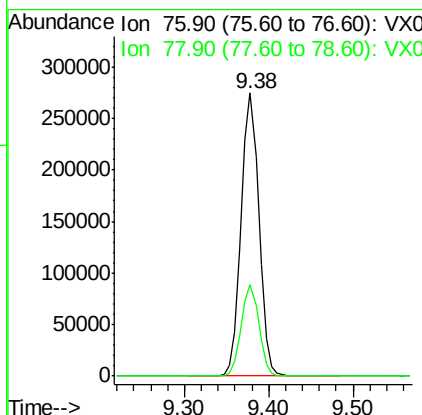
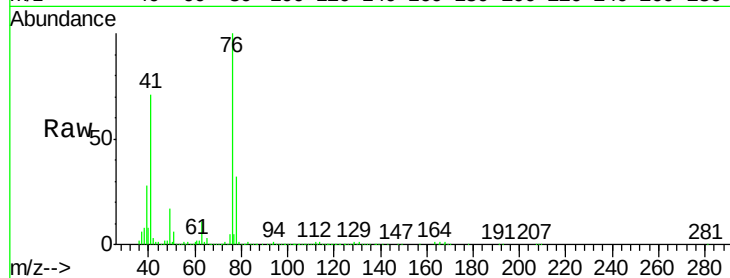
#57
 1,3-Dichloropropane
 Concen: 50.00 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 387387
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4

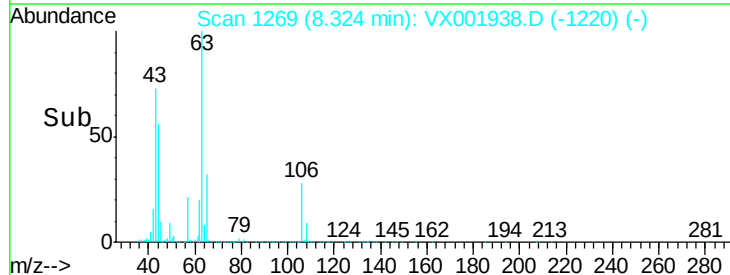
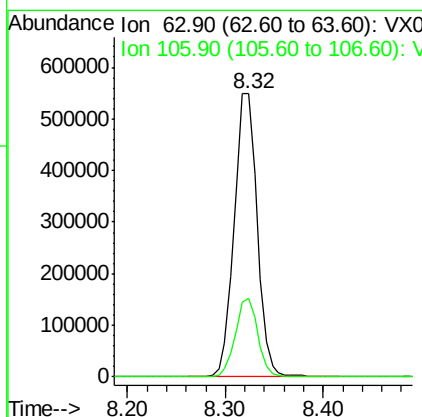
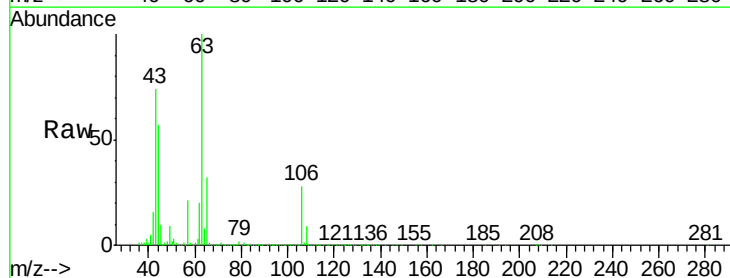
Manual Integrations
 APPROVED

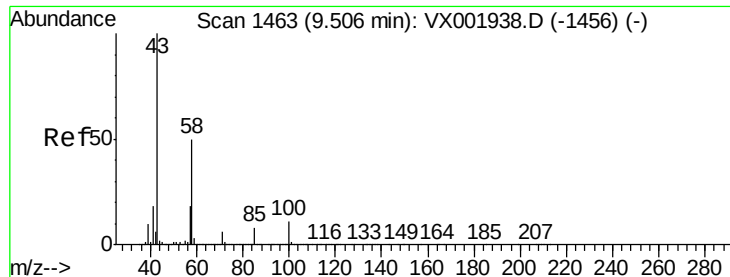
MMDadoda
 5/25/2018 2:25:51 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.00 ug/l
 RT: 8.32 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion: 63 Resp: 897011
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5





#59

2-Hexanone

Concen: 250.00 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Tot Ion: 43 Resp: 1557394

Ion Ratio Lower Upper

43 100

58 49.7 24.9 74.6

Instrument :

MSVOA_X

ClientSampleId :

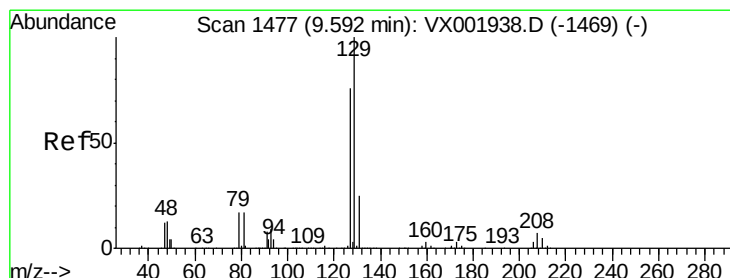
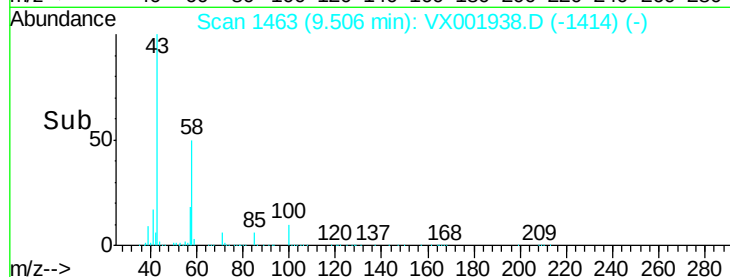
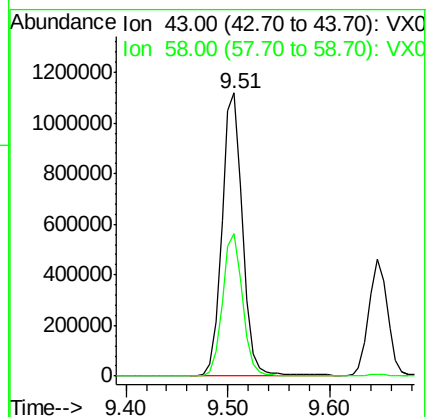
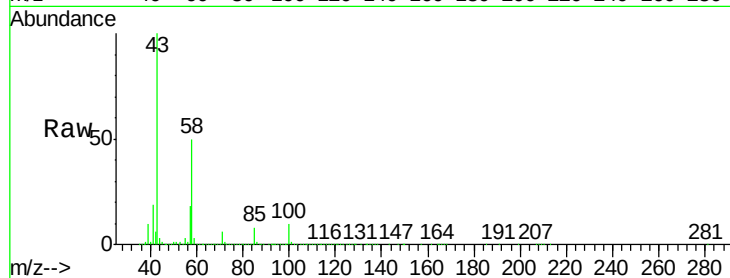
VSTDICCC050

Manual Integrations

APPROVED

MMDadoda

5/25/2018 2:25:51 PM



#60

Dibromochloromethane

Concen: 50.00 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX001938.D

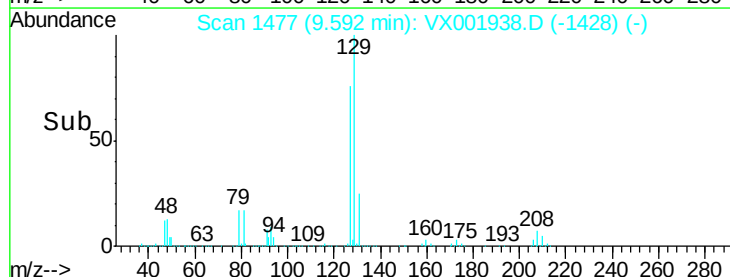
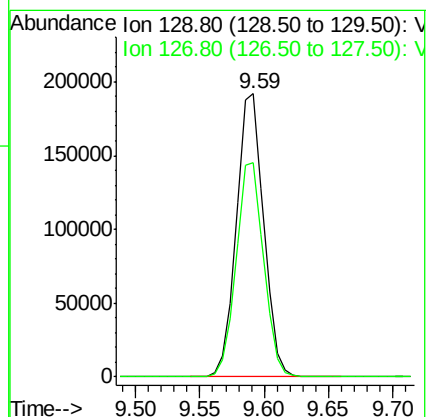
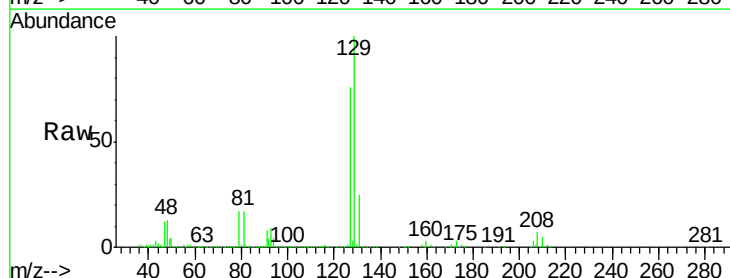
Acq: 24 May 2018 11:46

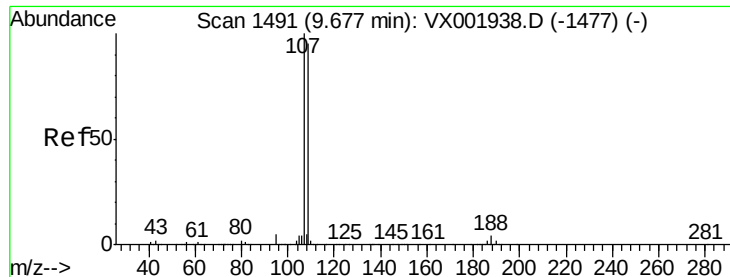
Tgt Ion: 129 Resp: 281801

Ion Ratio Lower Upper

129 100

127 76.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 50.00 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 247864

Ion Ratio Lower Upper

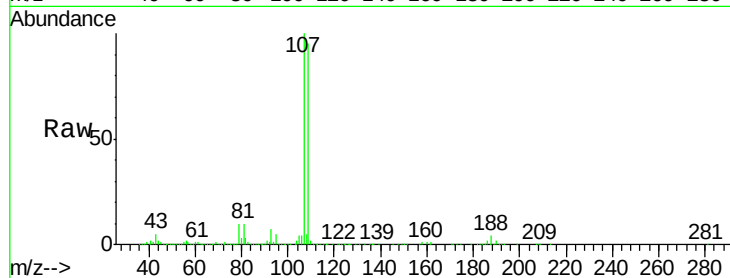
107 100

109 94.1 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

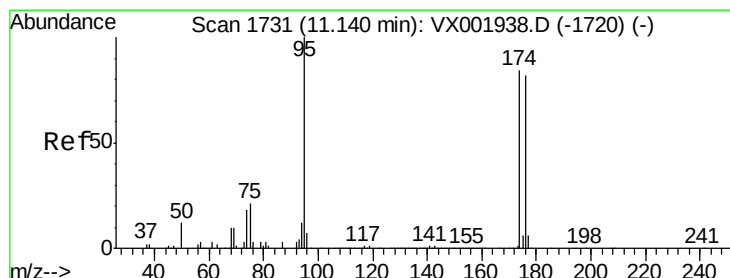
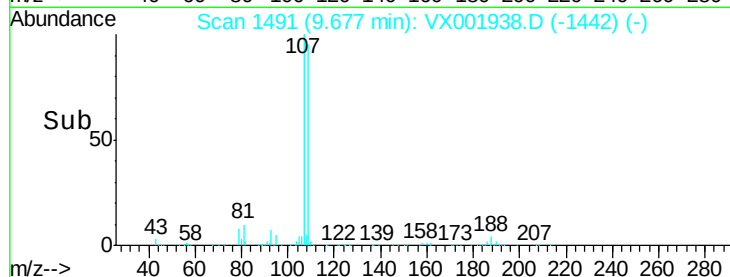
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.00 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

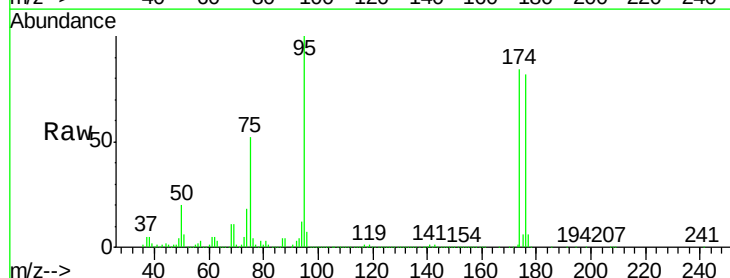
Tgt Ion: 95 Resp: 317024

Ion Ratio Lower Upper

95 100

174 89.4 0.0 178.8

176 87.8 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

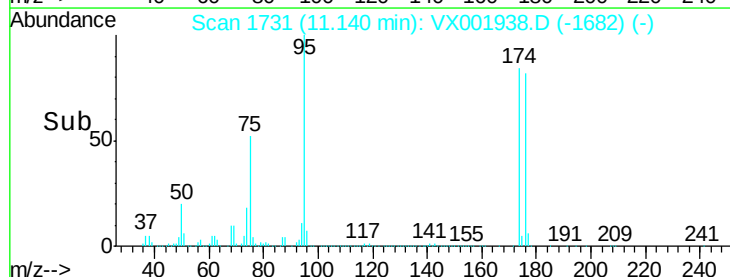
300000

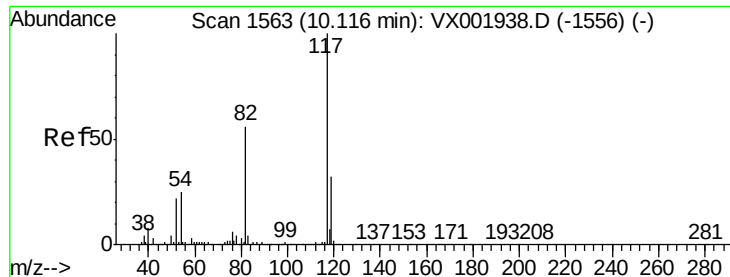
200000

100000

0

Time-->





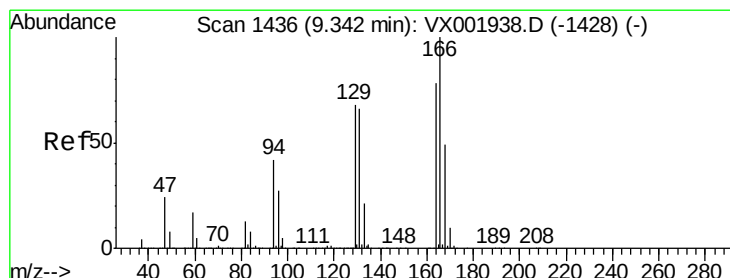
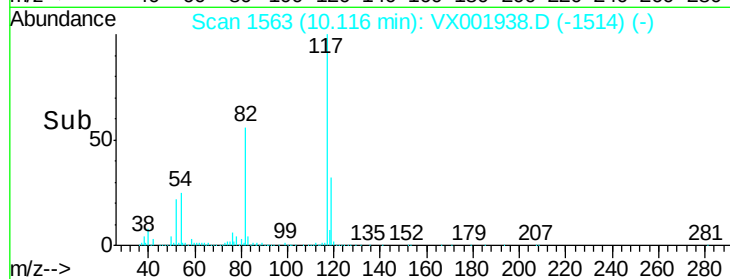
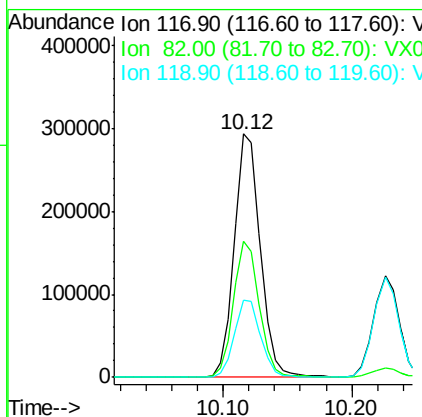
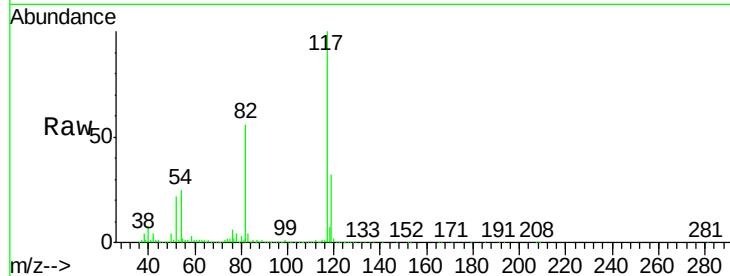
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	415838		
82	56.0		44.8	67.2
119	31.9		25.5	38.3

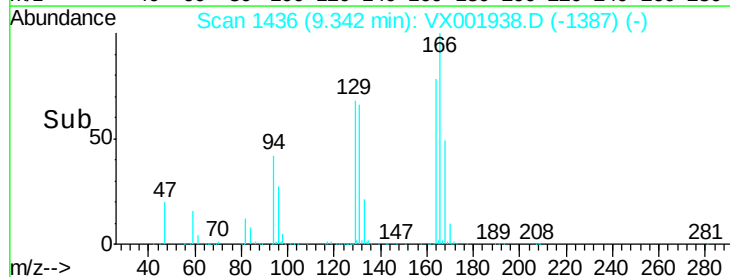
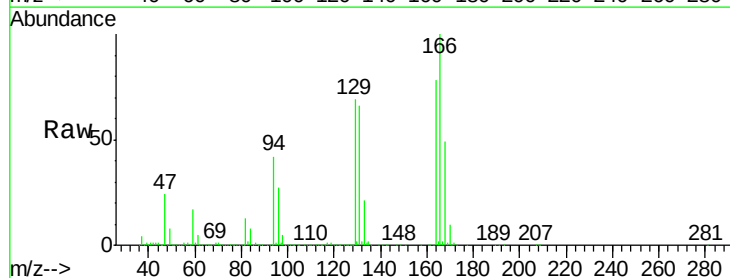
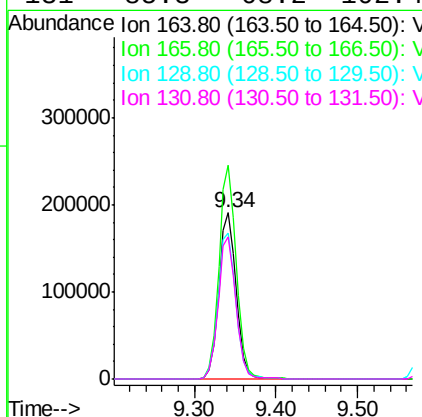
Manual Integrations
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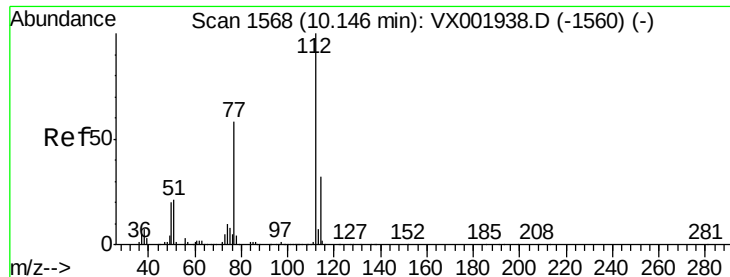
MMDadoda
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#64
Tetrachloroethene
Concen: 50.00 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	286168		
166	128.4		102.7	154.1
129	87.9		70.3	105.5
131	85.3		68.2	102.4





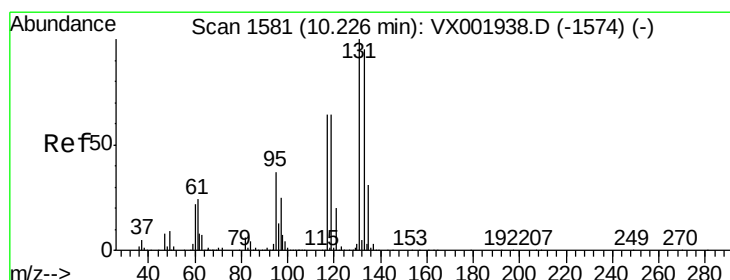
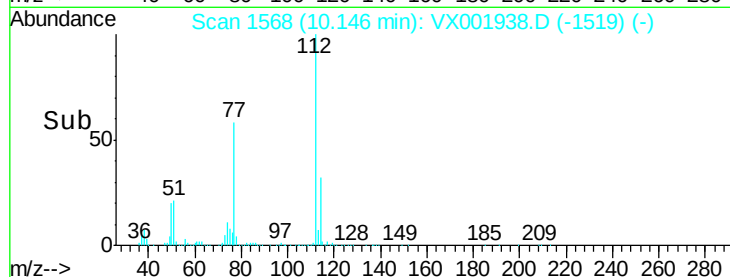
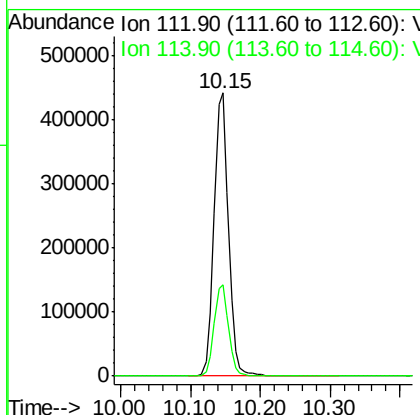
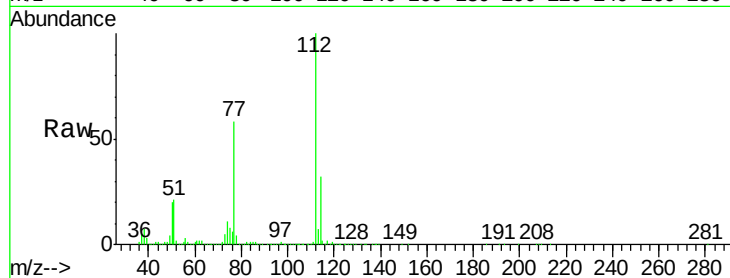
#65
Chlorobenzene
Concen: 50.00 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 632980
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

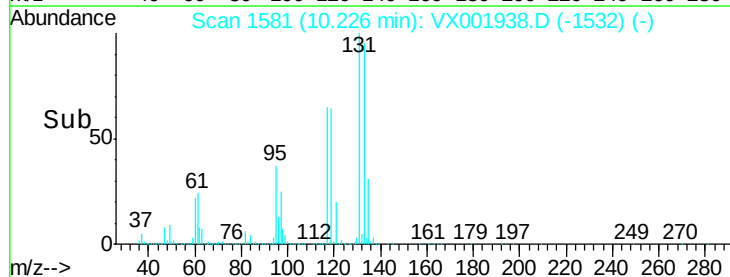
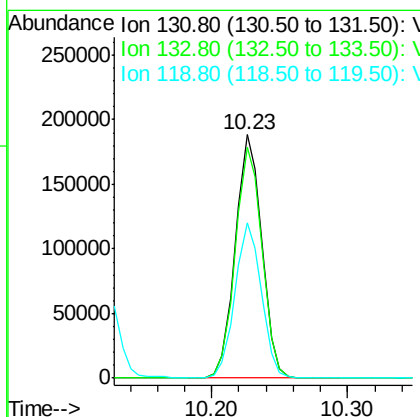
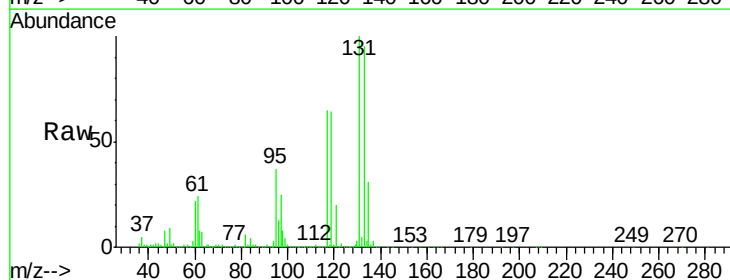
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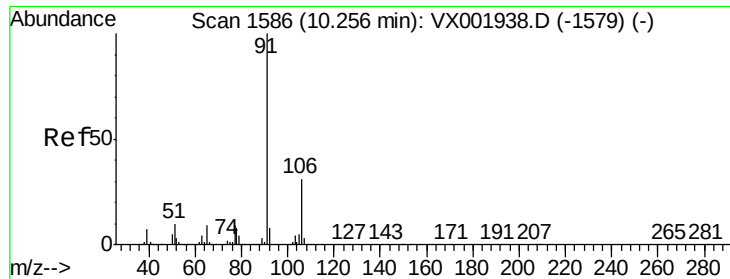
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.00 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion:131 Resp: 253694
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 63.7 31.9 95.5





#67

Ethyl Benzene

Concen: 50.00 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1111394

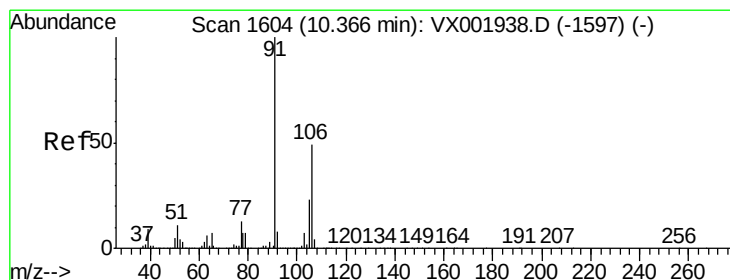
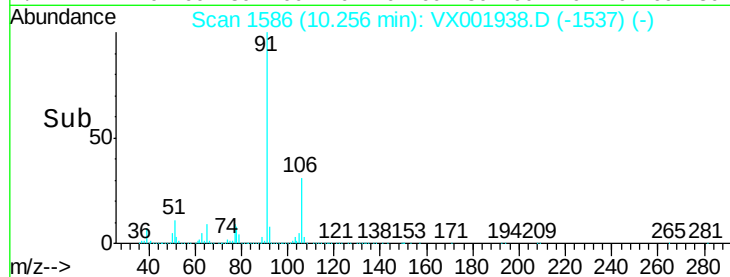
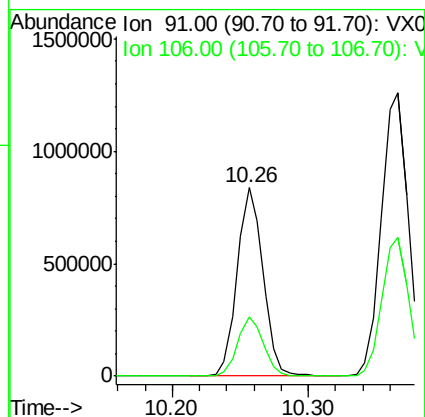
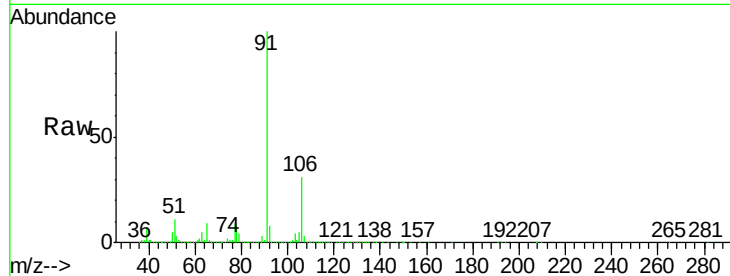
Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.00 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001938.D

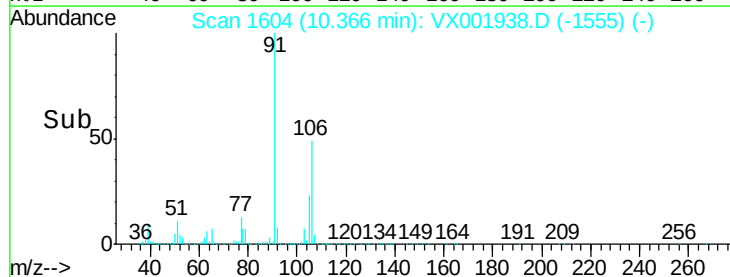
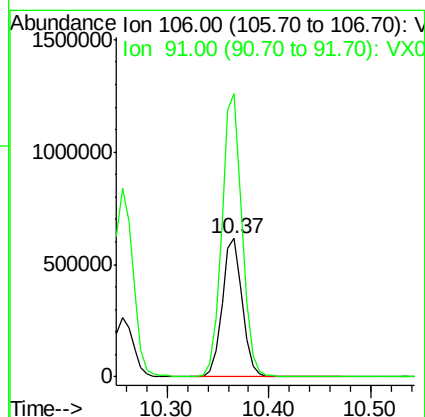
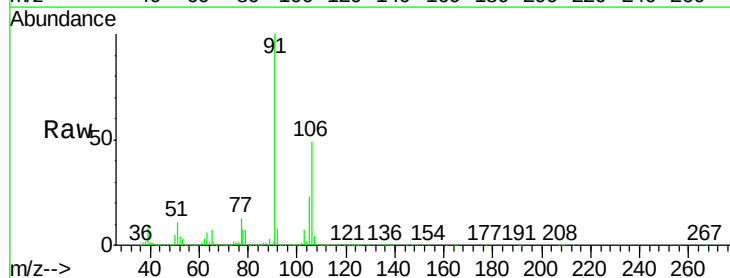
Acq: 24 May 2018 11:46

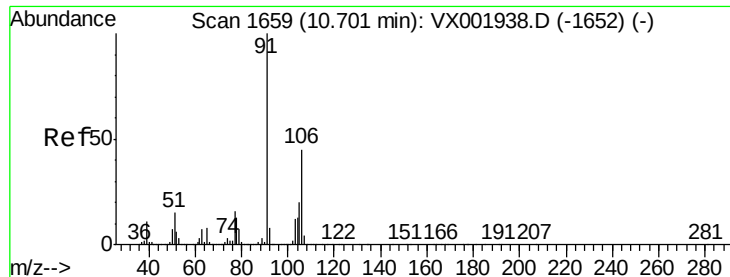
Tgt Ion: 106 Resp: 845817

Ion Ratio Lower Upper

106 100

91 206.3 165.0 247.6





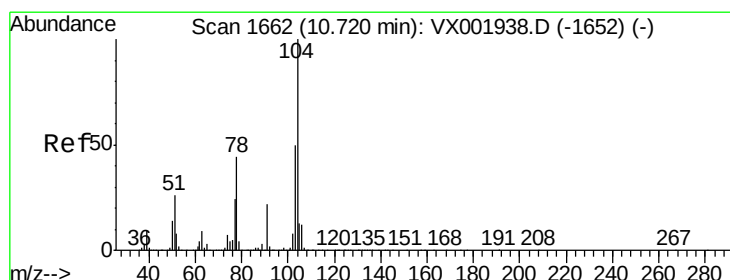
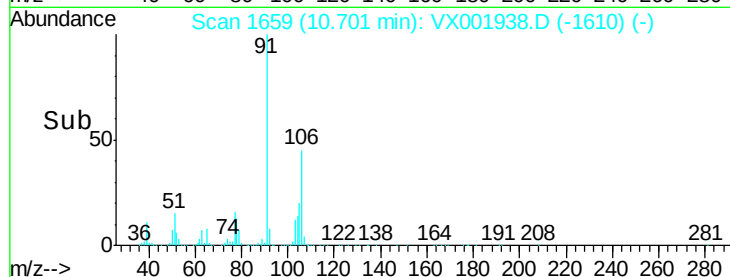
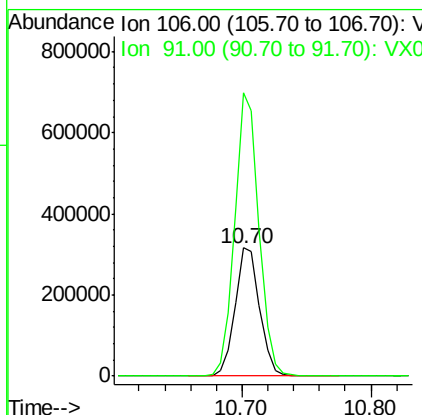
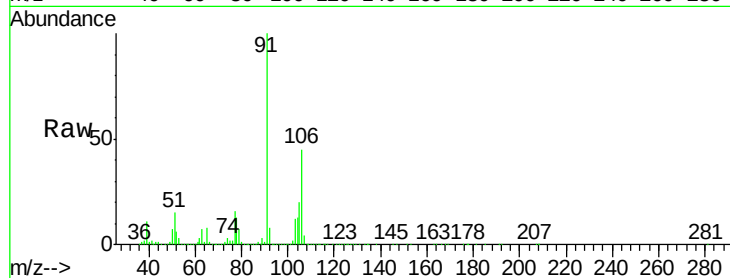
#69
o-Xylene
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.3	108.7	325.9

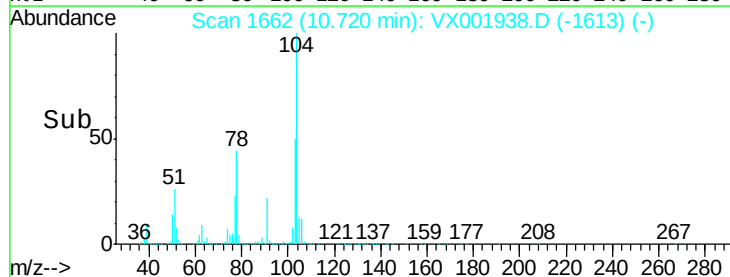
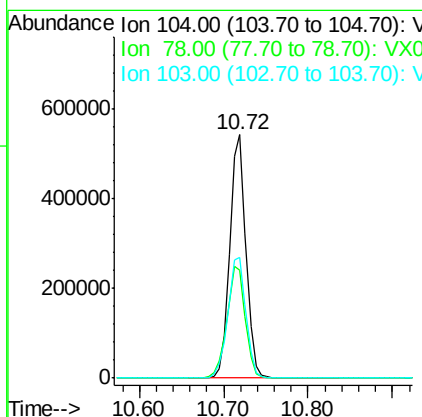
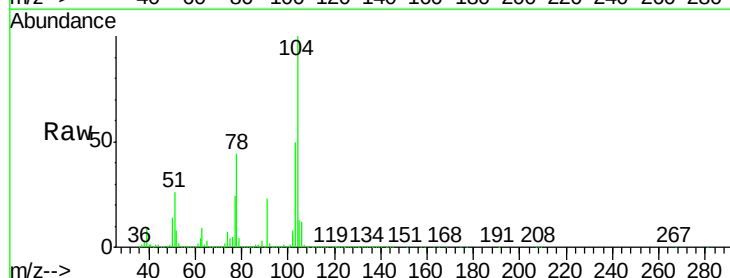
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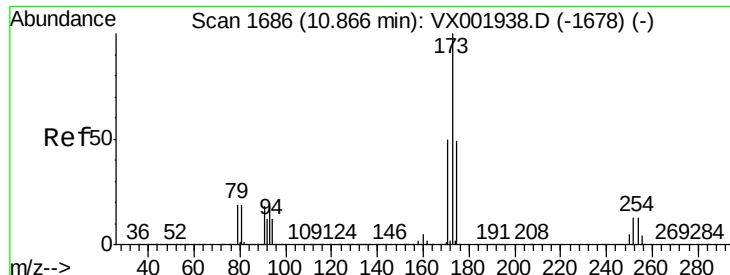
MMDadoda
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#70
Styrene
Concen: 50.00 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.8	62.6
103	55.8	44.6	67.0





#71

Bromoform

Concen: 50.00 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

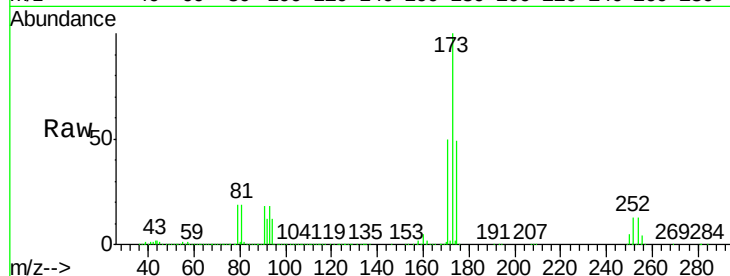
ClientSampleId :

VSTDICCC050

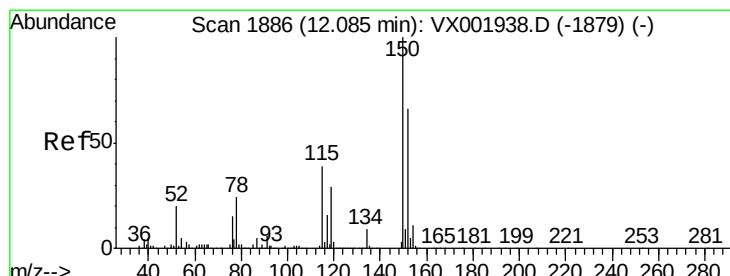
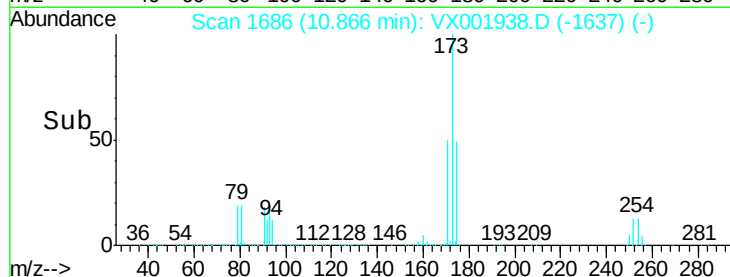
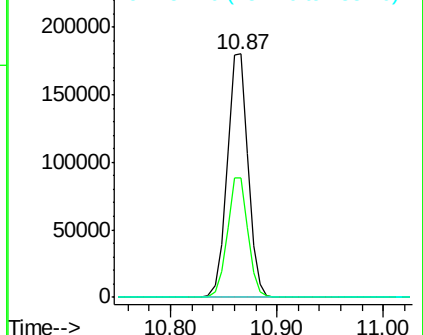
Tot Ion:	173	Resp:	246897
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.3	72.9
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

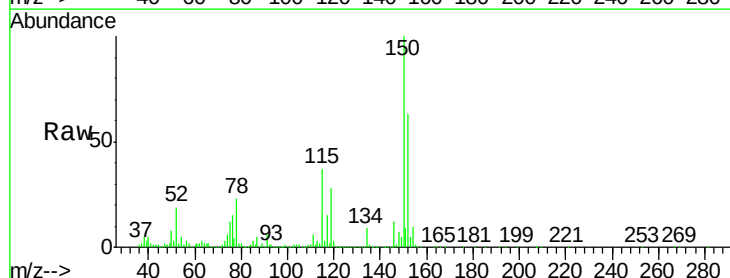
RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

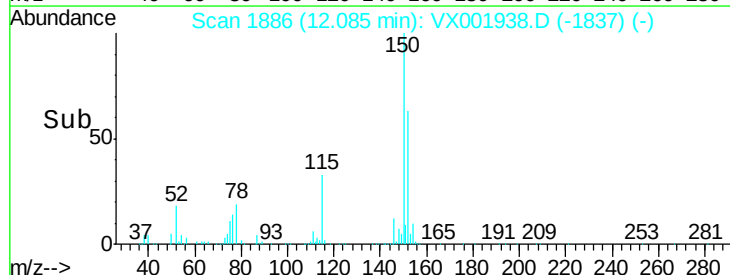
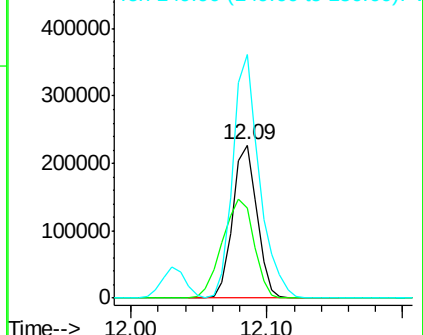
Lab File: VX001938.D

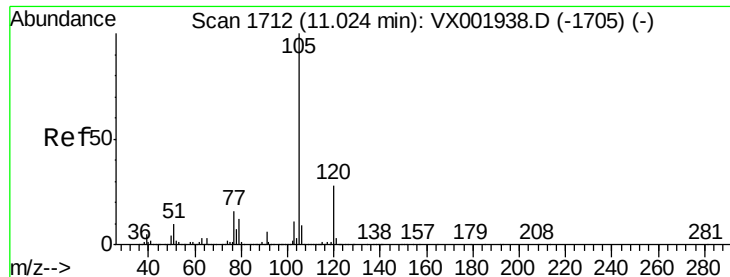
Acq: 24 May 2018 11:46

Tgt Ion:	152	Resp:	280263
Ion Ratio	Lower	Upper	
152	100		
115	84.5	42.3	126.8
150	175.5	0.0	351.0



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





#73

Isopropylbenzene

Concen: 50.00 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1130677

Ion Ratio Lower Upper

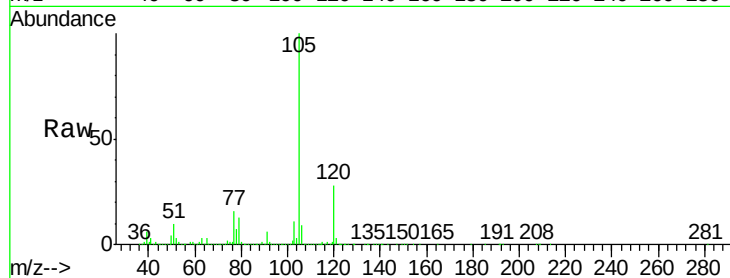
105 100

120 27.1 13.6 40.7

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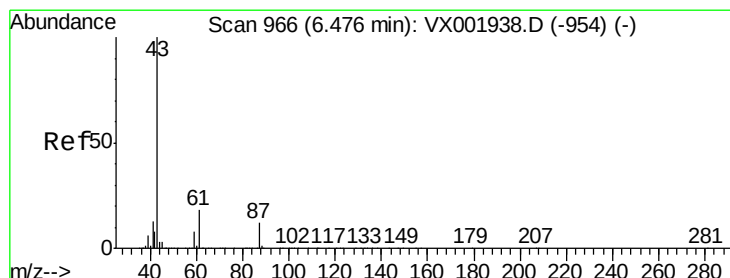
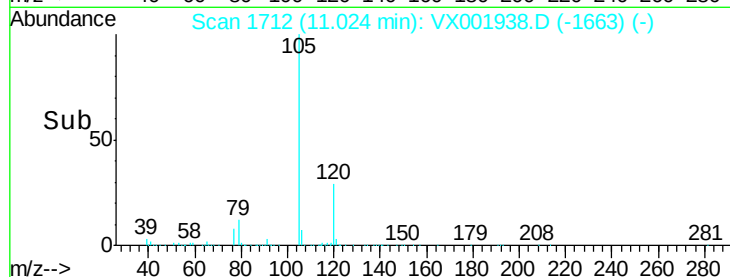
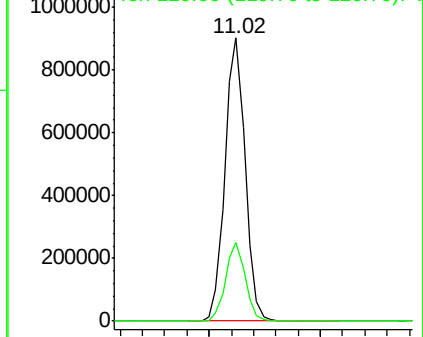
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.00 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Tgt Ion: 43 Resp: 665474

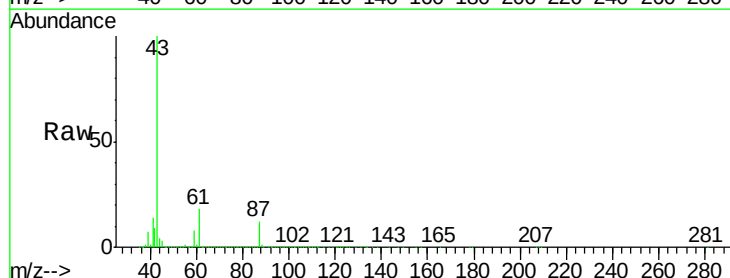
Ion Ratio Lower Upper

43 100

70 0.1 0.1 0.1

55 0.1 0.1 0.1#

61 18.1 14.5 21.7

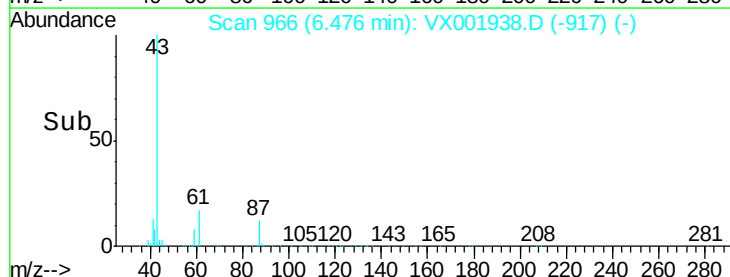
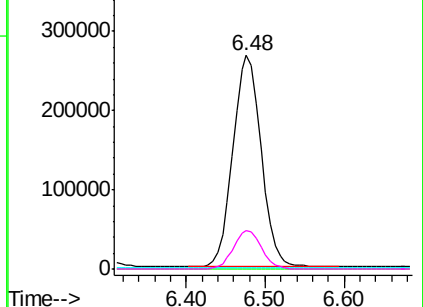


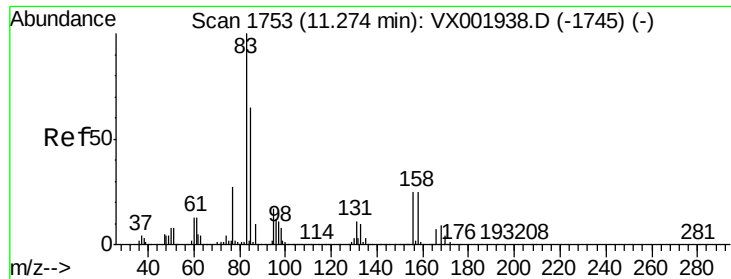
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.00 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 330418

Ion Ratio Lower Upper

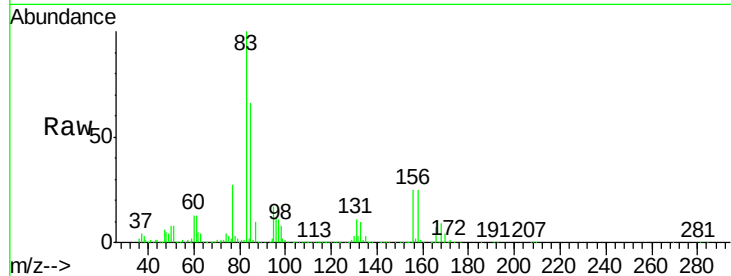
83 100

131 11.3 5.7 17.0

85 65.1 32.6 97.7

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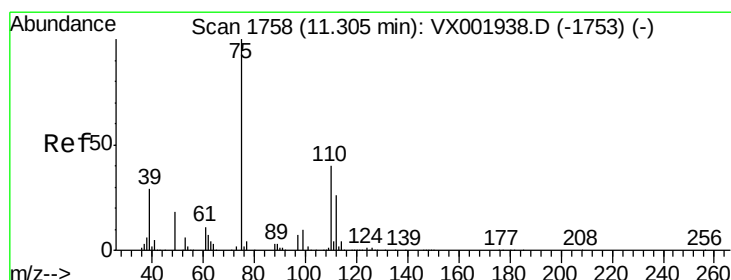
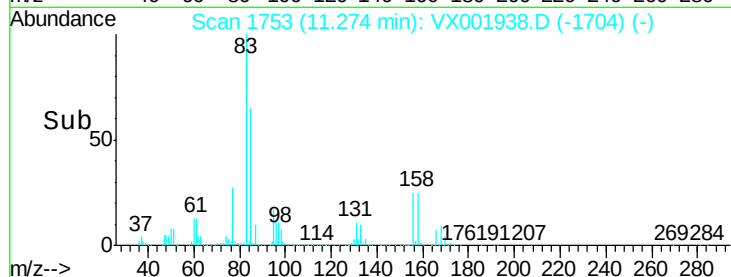
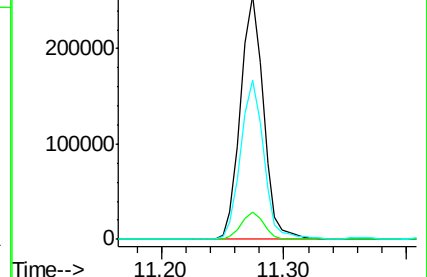
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.00 ug/l m

RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VX001938.D

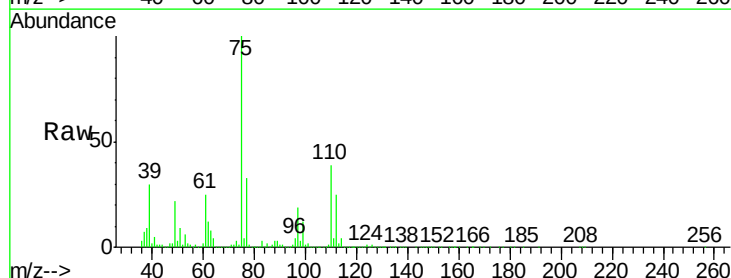
Acq: 24 May 2018 11:46

Tgt Ion: 75 Resp: 309505

Ion Ratio Lower Upper

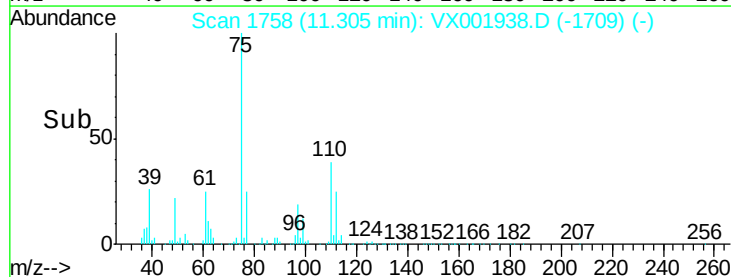
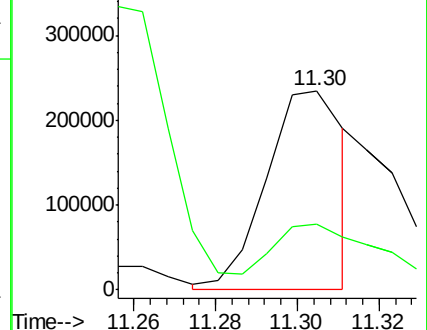
75 100

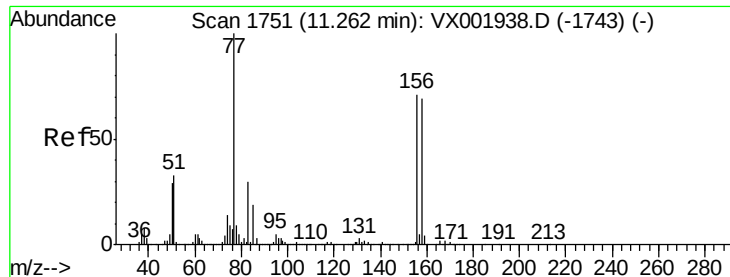
77 45.5 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.00 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 300649

Ion Ratio Lower Upper

156 100

77 150.4 75.2 225.6

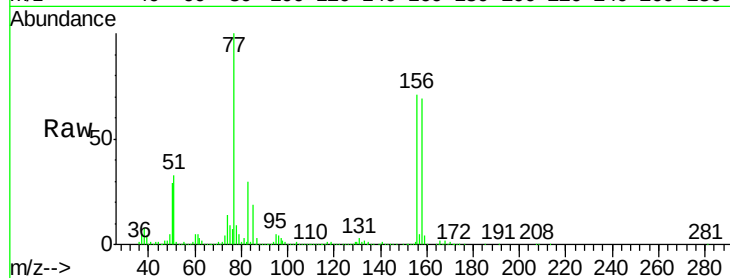
158 97.2 48.6 145.8

Manual Integrations

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MMDadoda

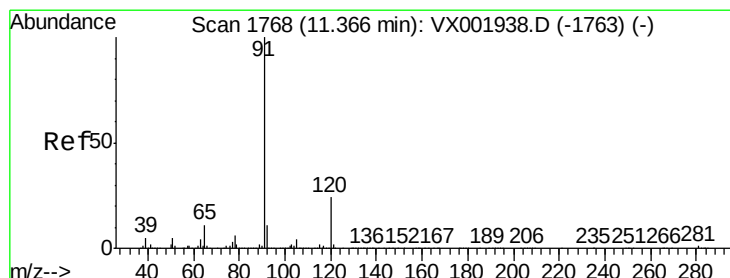
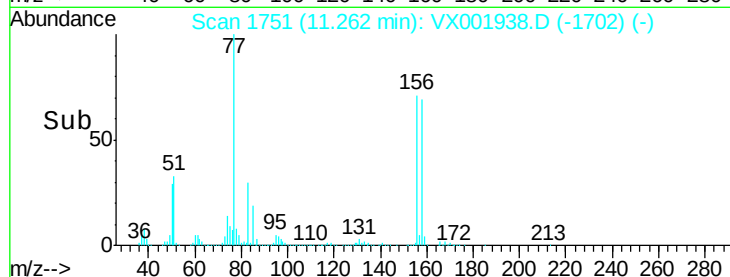
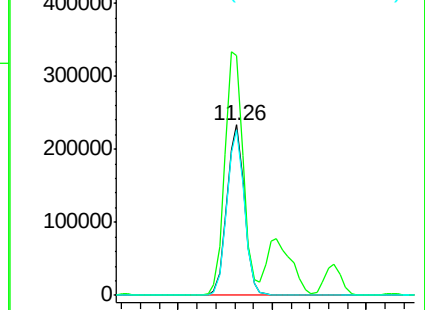
5/25/2018 2:25:51 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.00 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001938.D

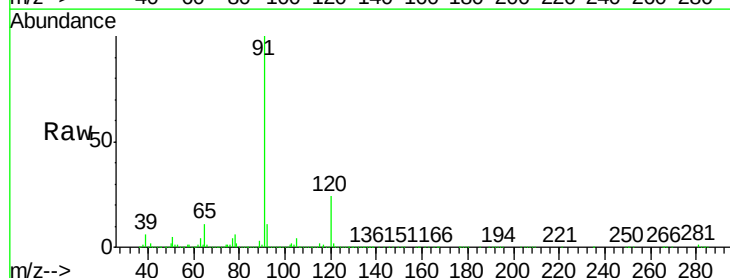
Acq: 24 May 2018 11:46

Tgt Ion: 91 Resp: 1283286

Ion Ratio Lower Upper

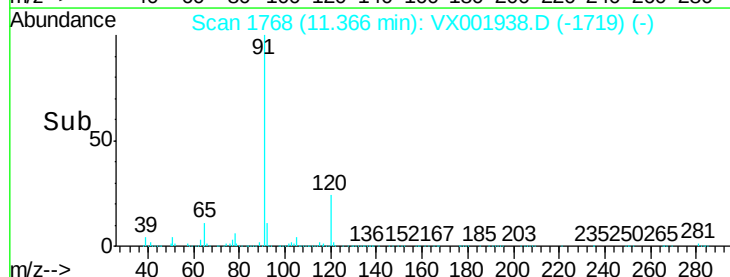
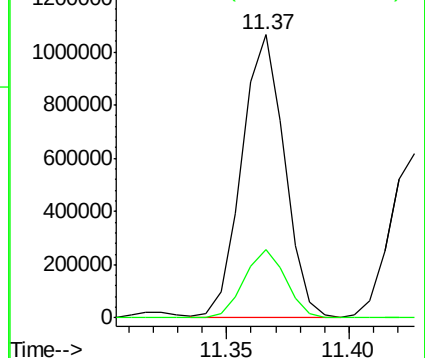
91 100

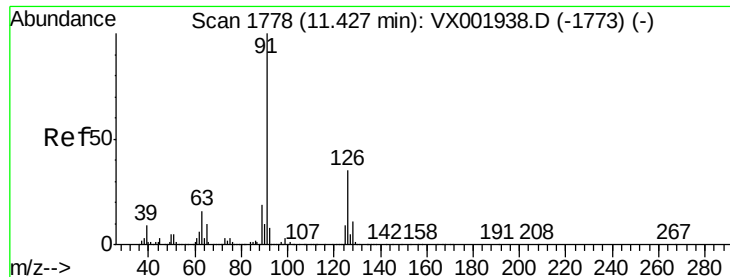
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.00 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 768797

Ion Ratio Lower Upper

91 100

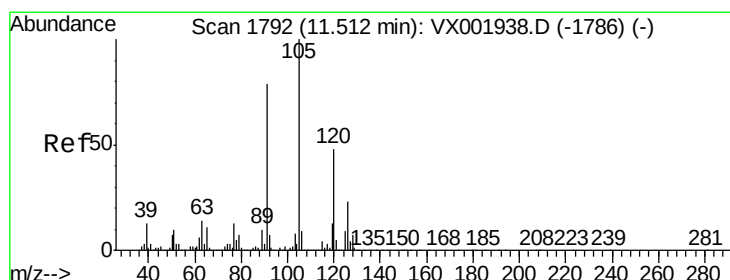
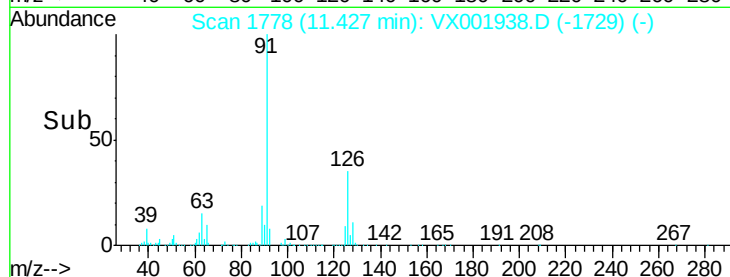
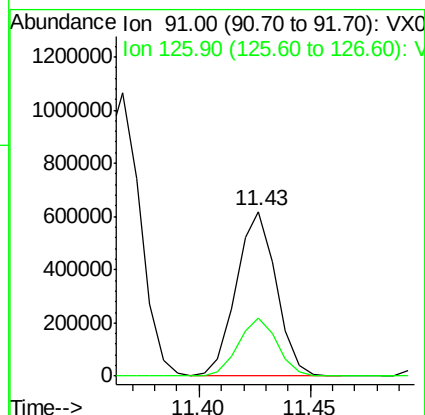
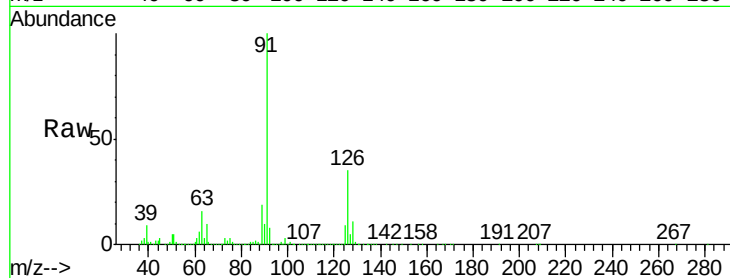
126 34.8 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.00 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001938.D

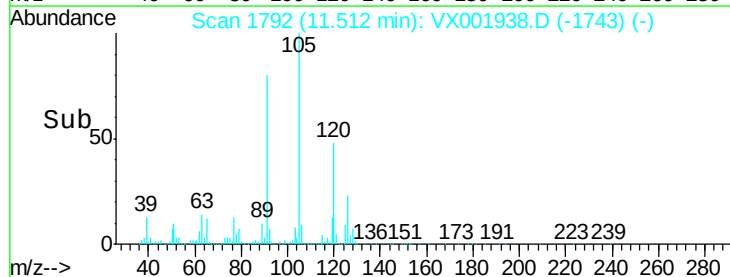
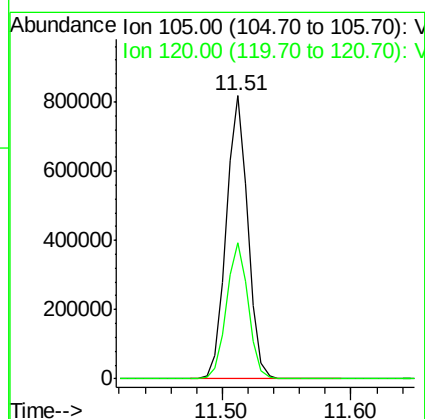
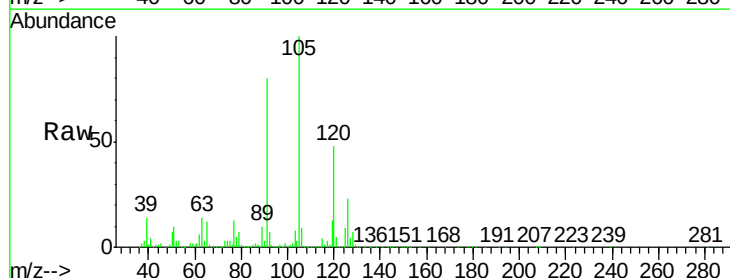
Acq: 24 May 2018 11:46

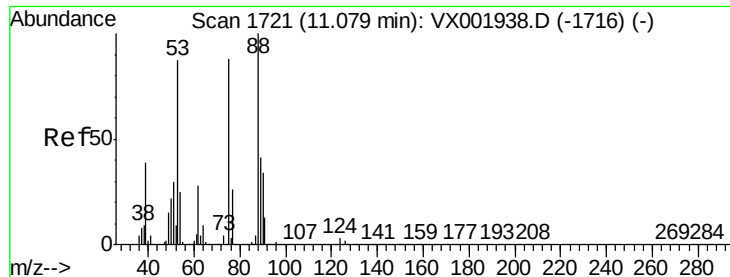
Tgt Ion: 105 Resp: 963990

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





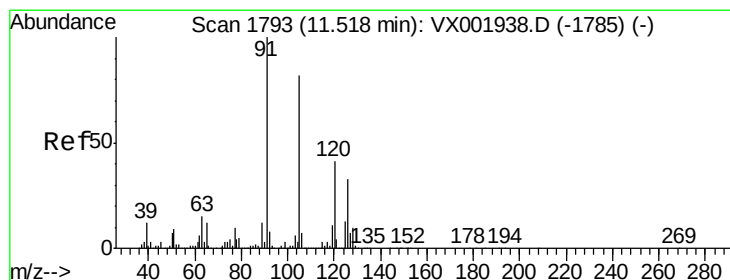
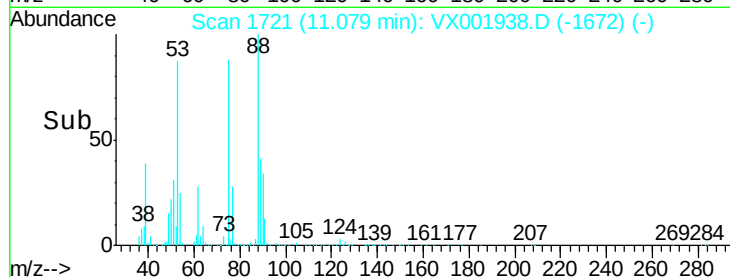
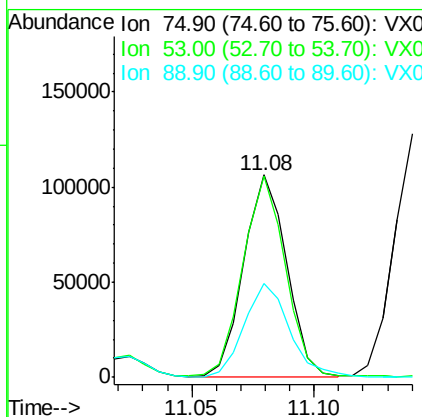
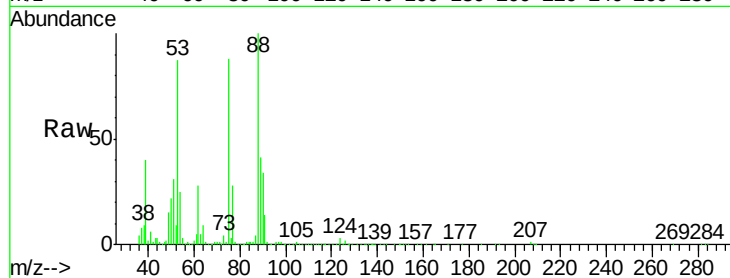
#81
trans-1,4-Dichloro-2-butene
Concen: 50.00 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.5	78.0	117.0
89	49.3	39.4	59.2

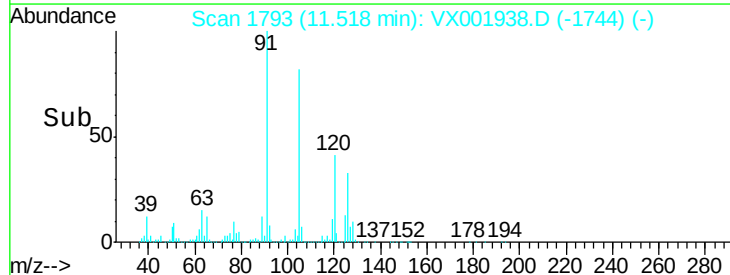
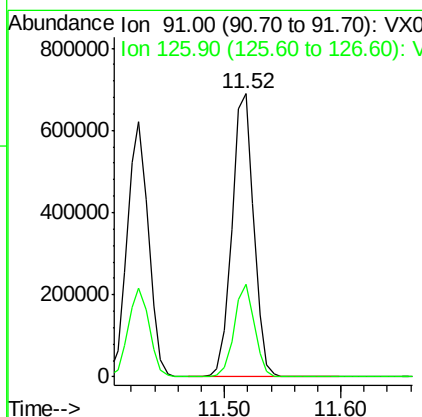
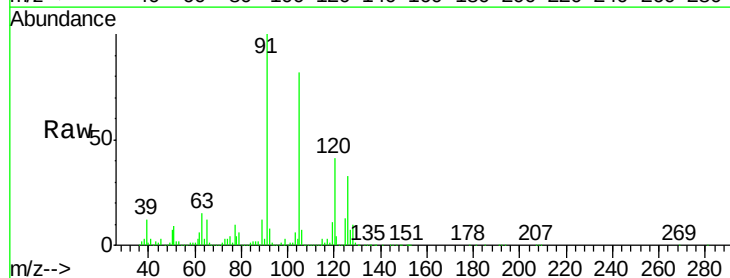
Manual Integrations
APPROVED

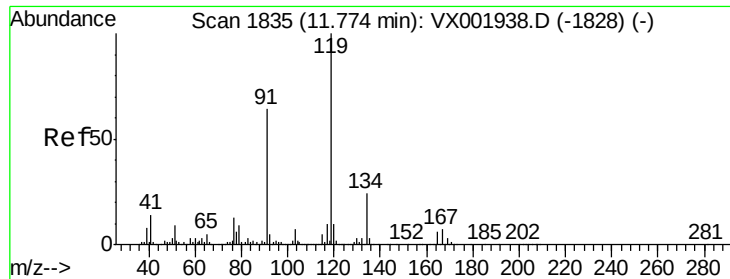
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.00 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.3	45.8





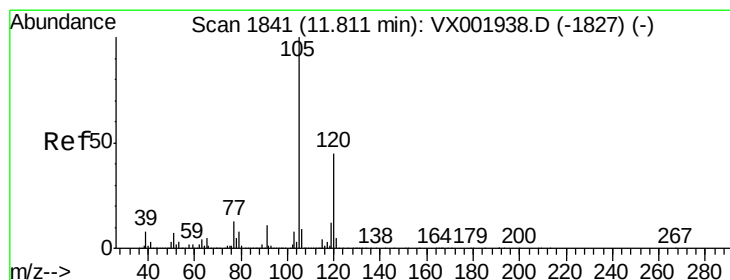
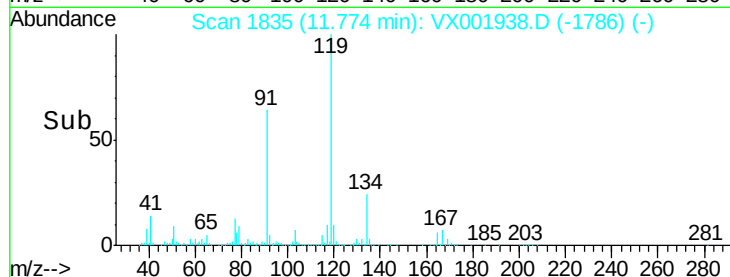
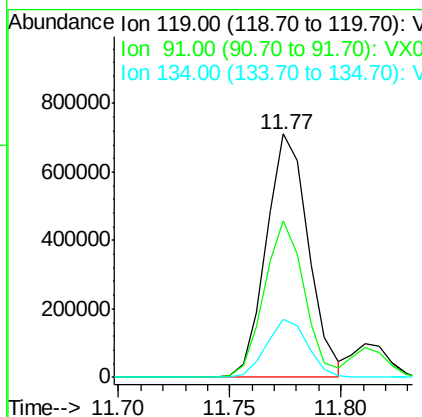
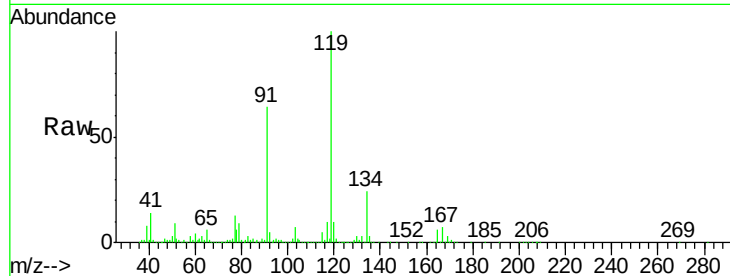
#83
 tert-Butylbenzene
 Concen: 50.00 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.6	91.8
134	23.3	11.7	35.0

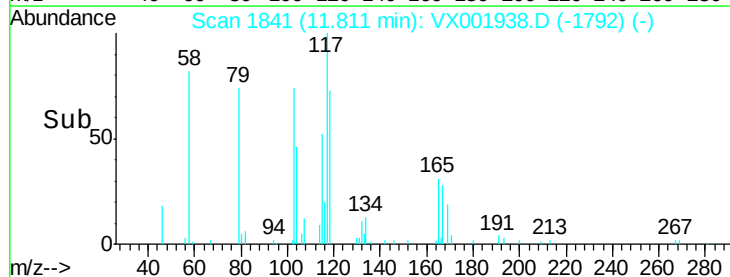
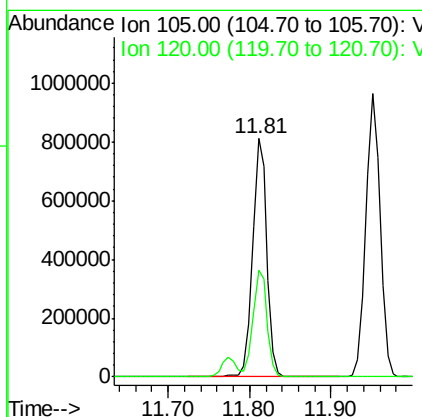
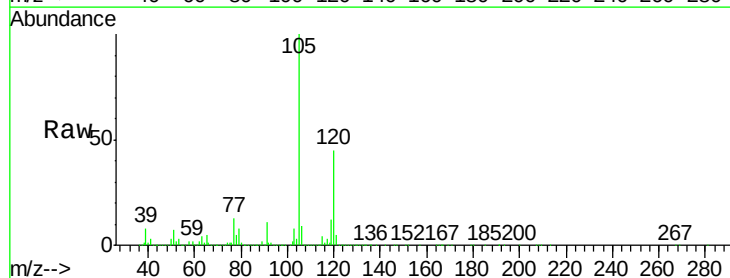
Manual Integrations
 APPROVED

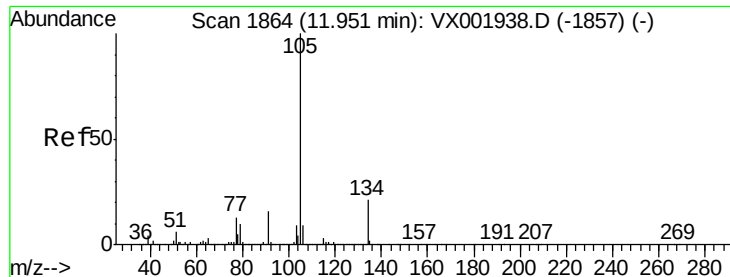
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.00 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 50.00 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1145958

Ion Ratio Lower Upper

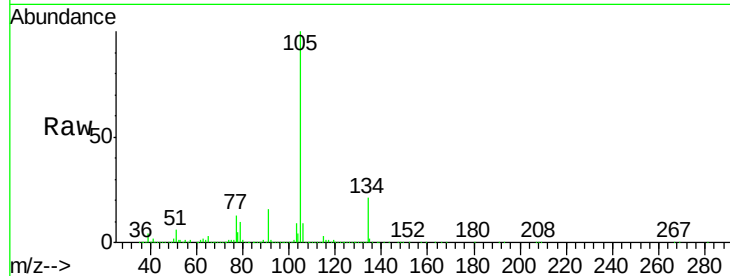
105 100

134 20.9 10.4 31.4

Manual Integrations
APPROVED

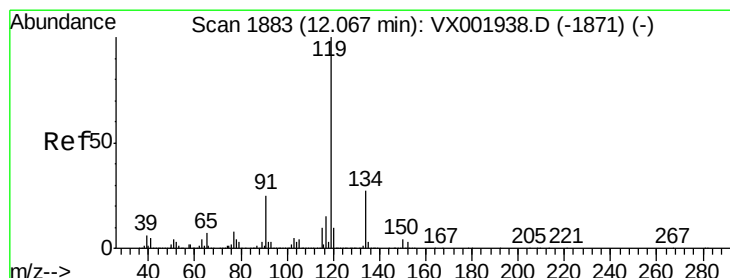
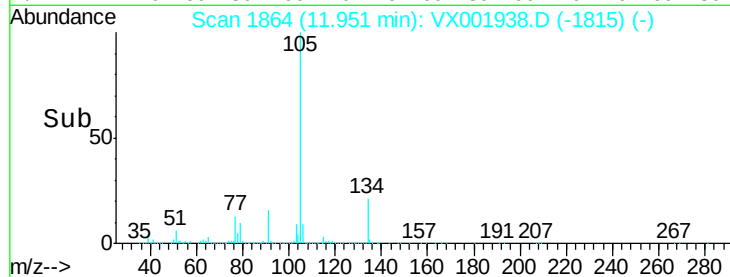
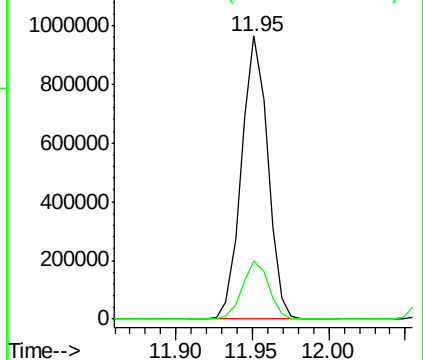
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

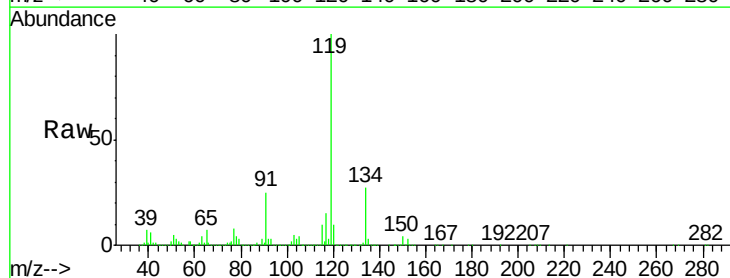
Tgt Ion:119 Resp: 1028667

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

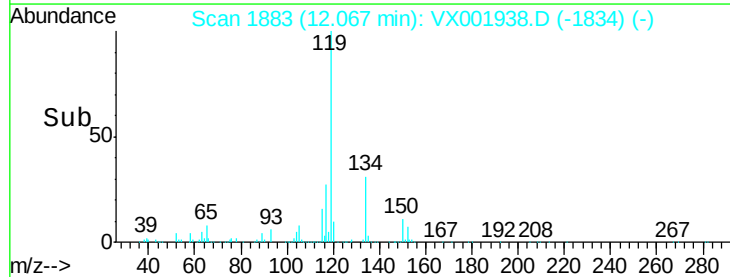
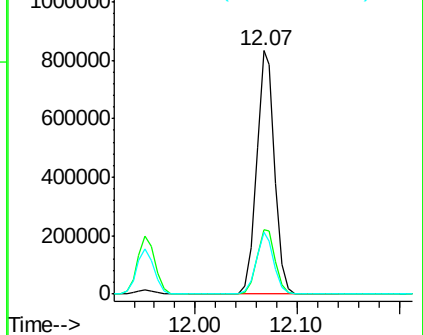
91 24.3 12.2 36.4

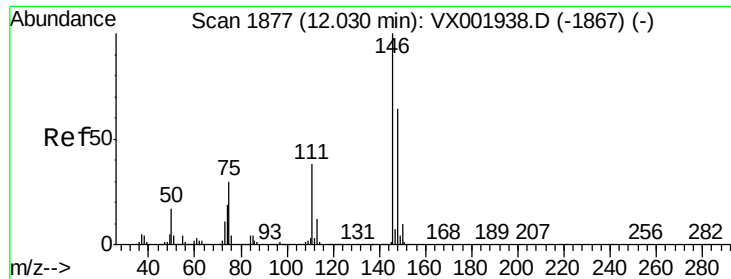


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





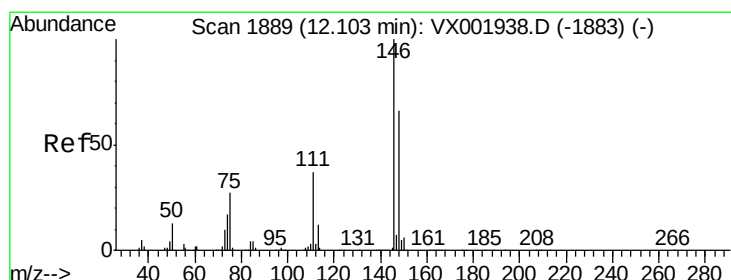
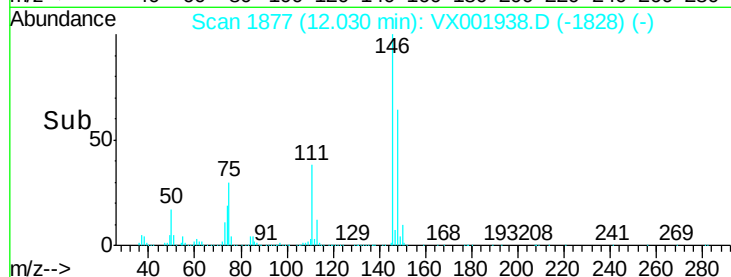
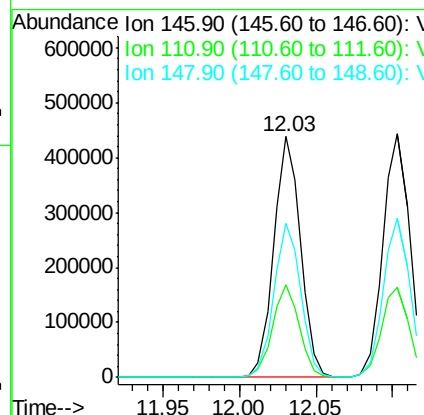
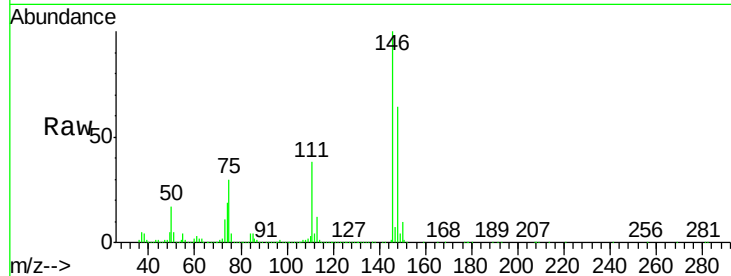
#87
 1,3-Dichlorobenzene
 Concen: 50.00 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.8
148	64.2	32.1	96.3

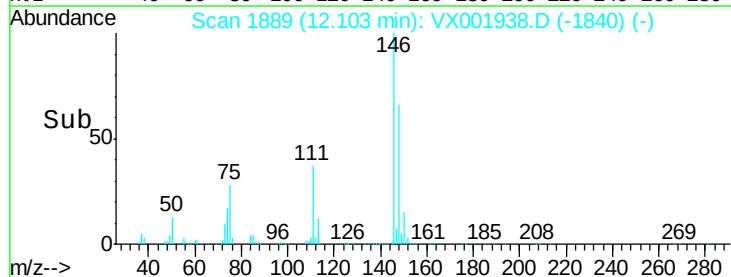
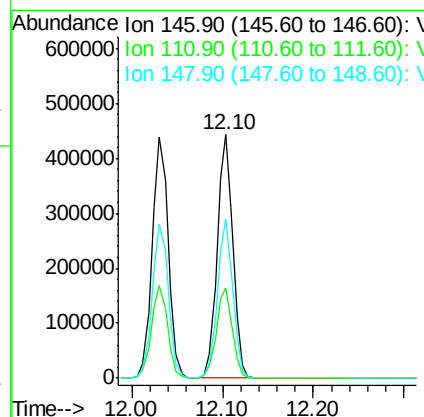
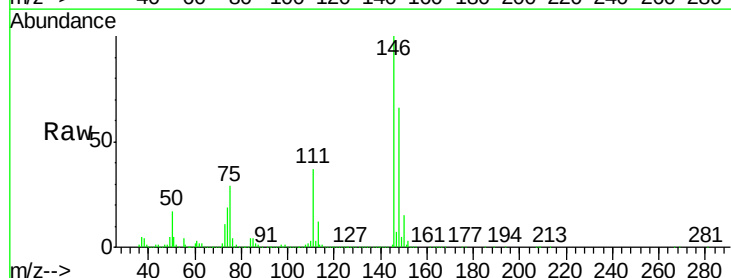
Manual Integrations
 APPROVED

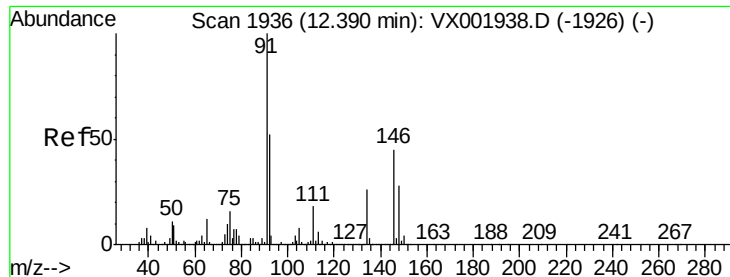
MMDadoda
 5/25/2018 2:25:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.00 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	64.5	32.3	96.8





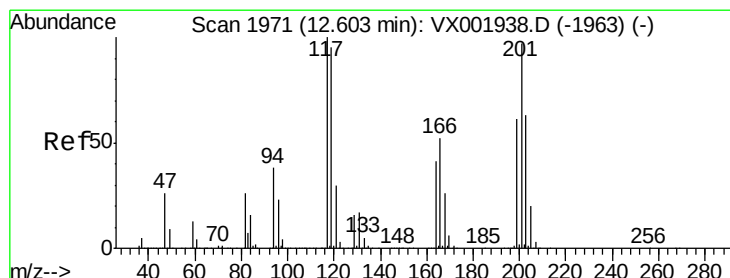
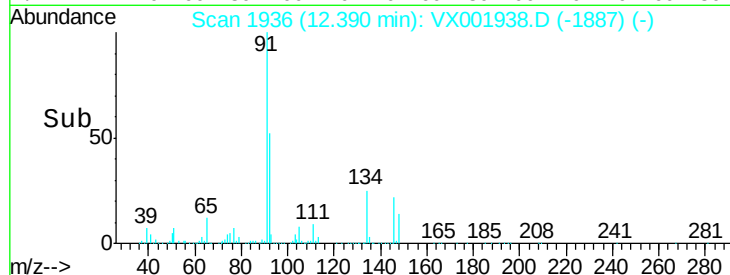
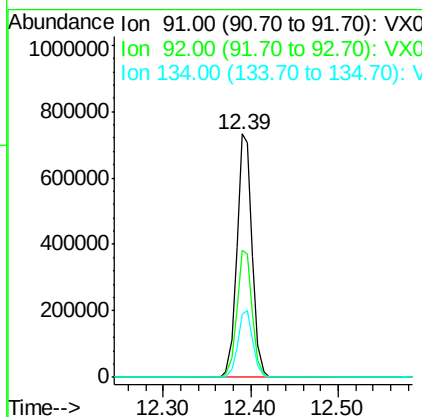
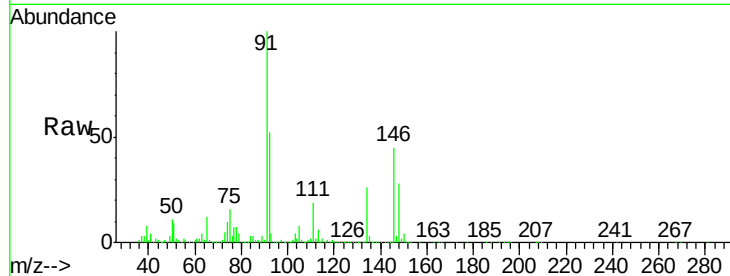
#89
n-Butylbenzene
Concen: 50.00 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	27.1	13.6	40.7

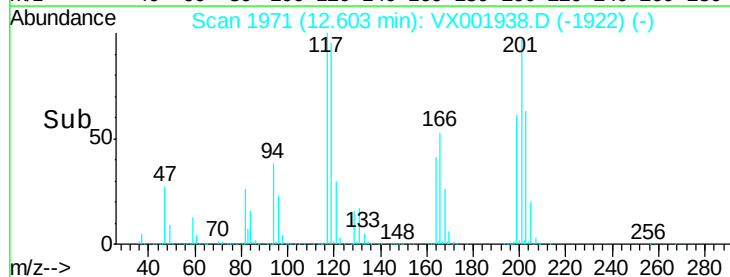
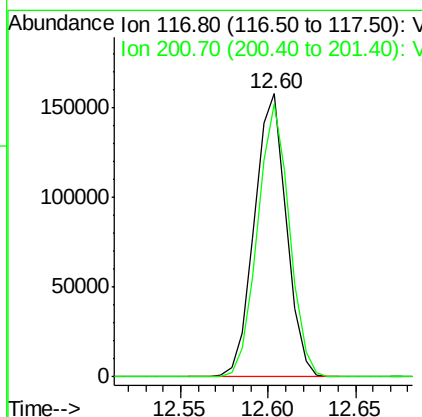
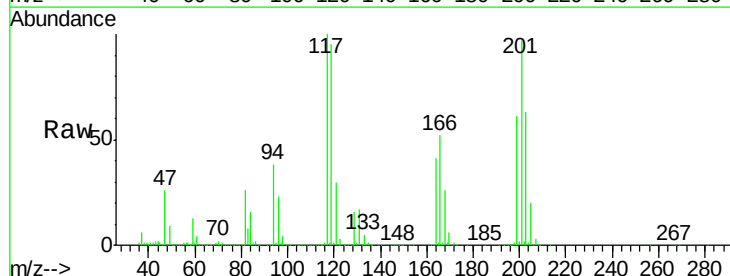
Manual Integrations
APPROVED

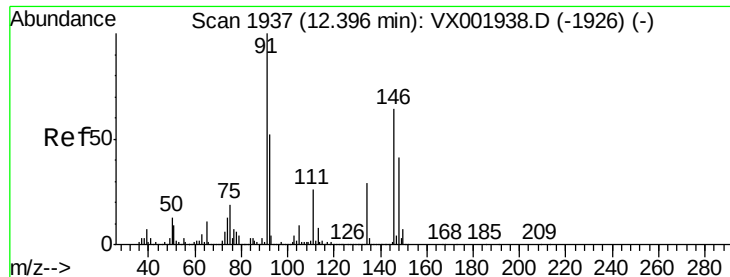
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#90
Hexachloroethane
Concen: 50.00 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001938.D
Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	48.0	144.0





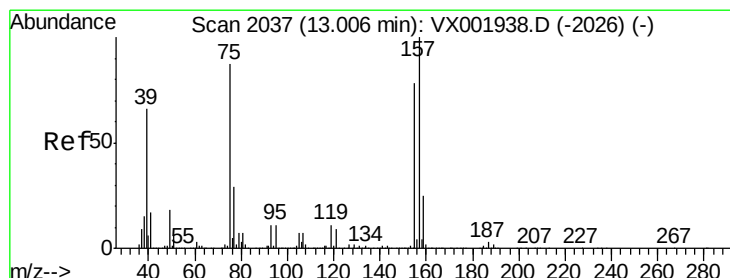
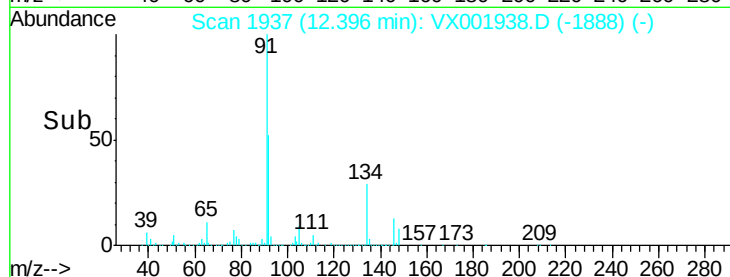
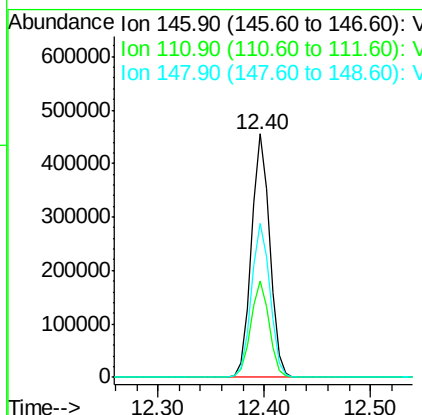
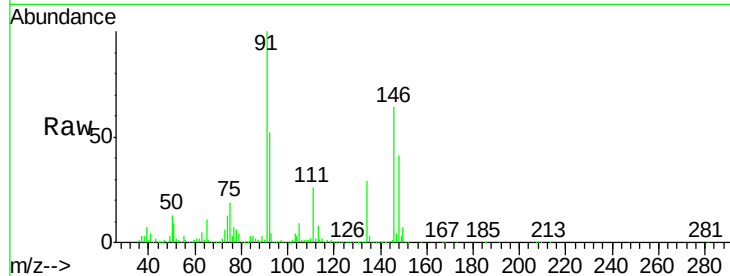
#91
 1,2-Dichlorobenzene
 Concen: 50.00 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	550639		
111	39.5	19.8	59.3	
148	64.3	32.1	96.5	

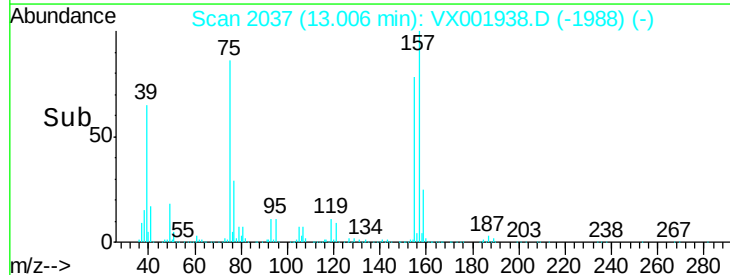
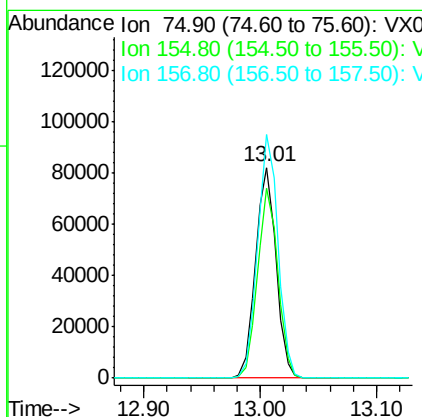
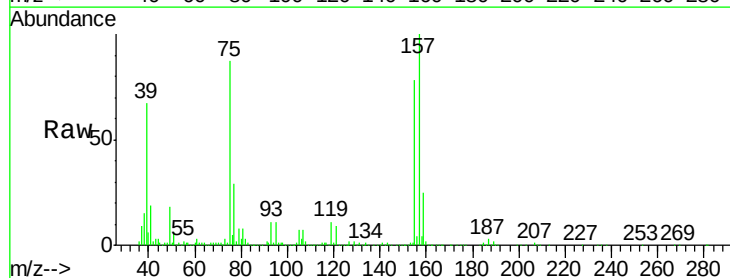
Manual Integrations
 APPROVED

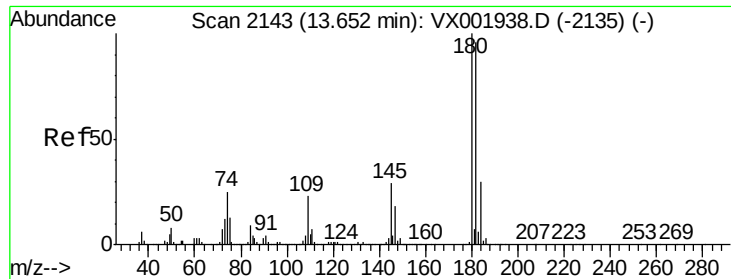
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.00 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	100728		
155	90.1	45.1	135.2	
157	116.1	58.1	174.2	





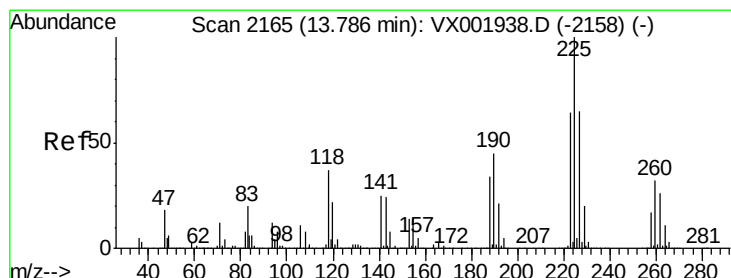
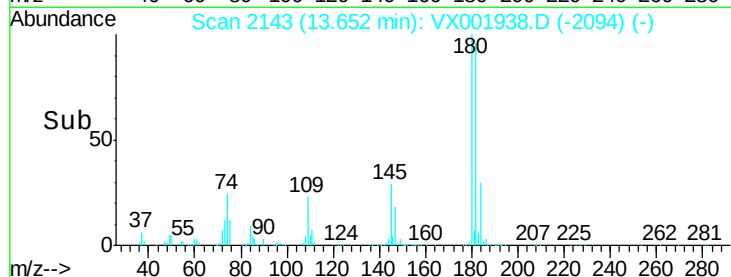
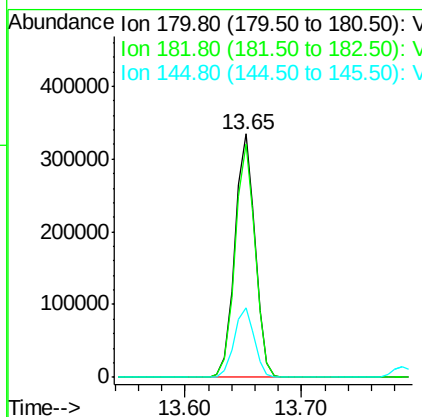
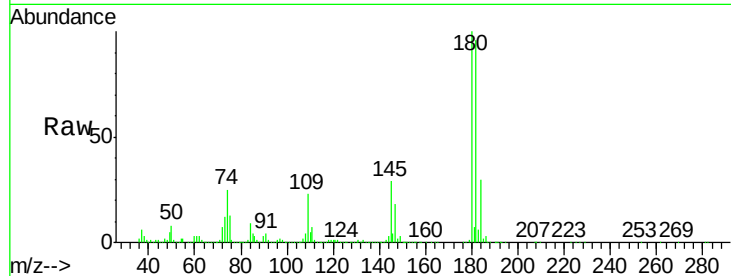
#93
 1,2,4-Trichlorobenzene
 Concen: 50.00 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	402678		
182	95.4	47.7	143.1	
145	28.7	14.4	43.0	

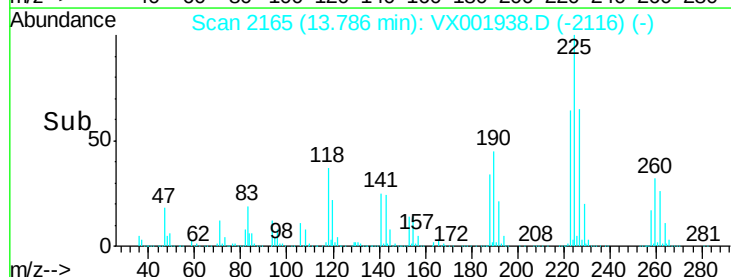
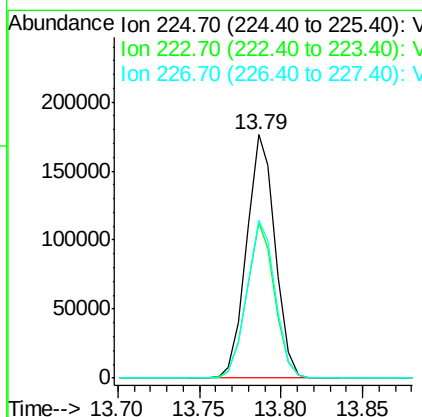
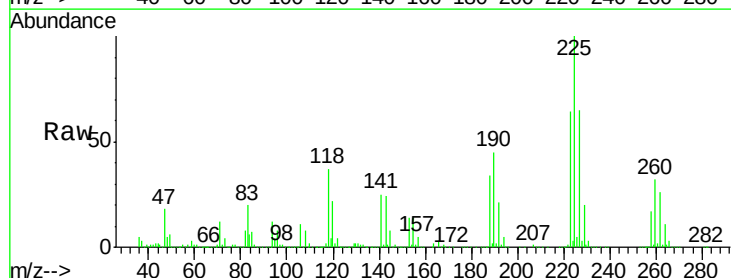
Manual Integrations
 APPROVED

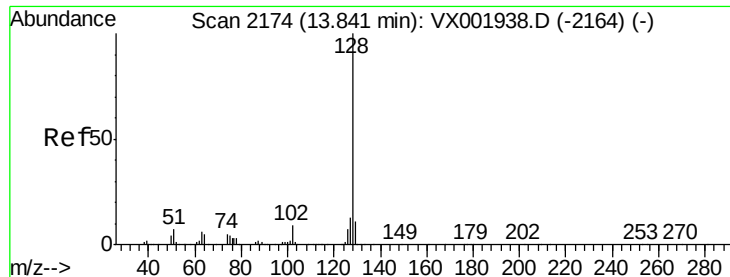
MMDadoda
 5/25/2018 2:25:51 PM



#94
 Hexachlorobutadiene
 Concen: 50.00 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001938.D
 Acq: 24 May 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	215115		
223	62.3	31.1	93.5	
227	64.3	32.1	96.5	





#95

Naphthalene

Concen: 50.00 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1235139

Ion Ratio Lower Upper

128 100

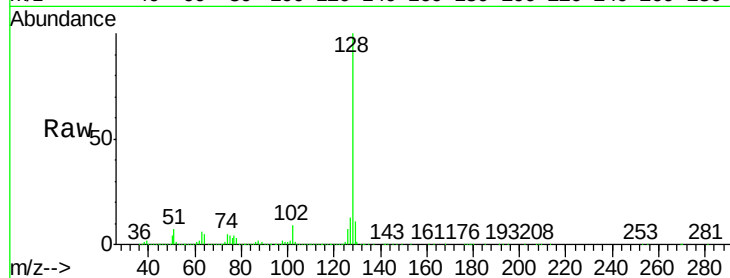
127 13.0 10.4 15.6

129 11.0 8.8 13.2

Manual Integrations
APPROVED

MMDadoda

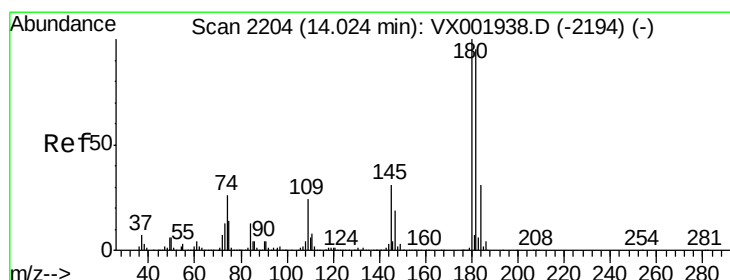
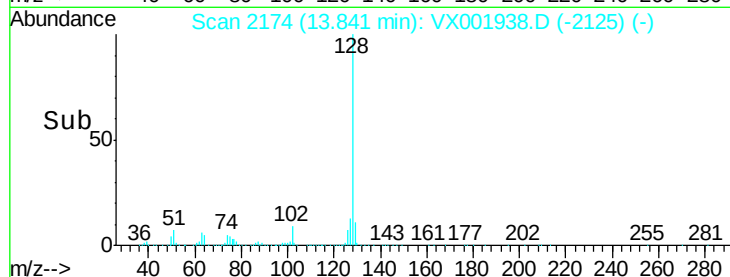
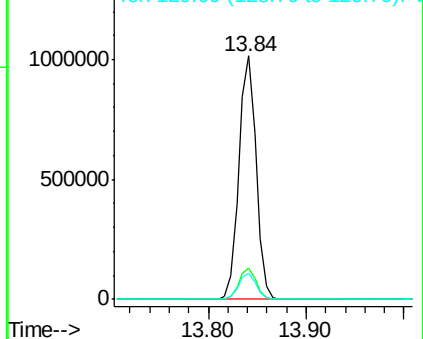
5/25/2018 2:25:51 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.00 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001938.D

Acq: 24 May 2018 11:46

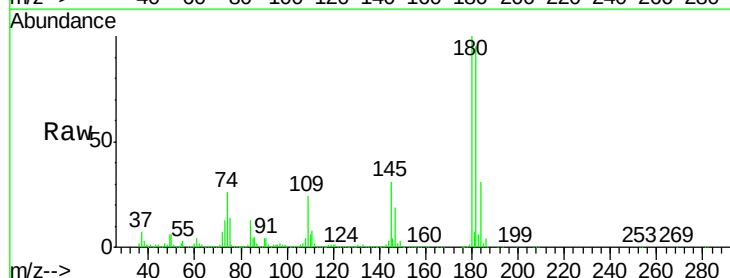
Tgt Ion:180 Resp: 413568

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 30.2 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

