

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001275.D
 Acq On : 01 May 2018 13:11
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

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 5/2/2018 4:20:53 PM

Quant Time: May 02 01:38:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:17:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	206051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	269443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	265585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	197165	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	416520	132.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.18%	
35) Dibromofluoromethane	5.51	113	354416	158.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.46%	
50) Toluene-d8	8.72	98	1357089	160.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.12%	
62) 4-Bromofluorobenzene	11.15	95	566428	171.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	343.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	364087	163.80	ug/l	98
3) Chloromethane	1.32	50	335008	147.79	ug/l	99
4) Vinyl Chloride	1.41	62	341244	141.65	ug/l	100
5) Bromomethane	1.64	94	258276	151.59	ug/l	100
6) Chloroethane	1.71	64	224000	148.80	ug/l	100
7) Trichlorofluoromethane	1.92	101	589483	150.12	ug/l	100
8) Diethyl Ether	2.19	74	199948	135.59	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	326317	150.19	ug/l	99
10) Methyl Iodide	2.51	142	403660	200.18	ug/l	99
11) Tert butyl alcohol	3.10	59	345609	574.36	ug/l	100
12) 1,1-Dichloroethene	2.37	96	299837	143.53	ug/l	99
13) Acrolein	2.30	56	206027	833.38	ug/l	100
14) Allyl chloride	2.73	41	553279	147.02	ug/l	99
15) Acrylonitrile	3.16	53	821263	624.82	ug/l	100
16) Acetone	2.45	43	855430	655.52	ug/l	100
17) Carbon Disulfide	2.57	76	821023	154.37	ug/l	98
18) Methyl Acetate	2.78	43	413979	128.40	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1042465	137.56	ug/l	100
20) Methylene Chloride	2.86	84	322586	132.24	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	326079	141.95	ug/l	98
22) Diisopropyl ether	3.88	45	1076749	143.76	ug/l	99
23) Vinyl Acetate	3.83	43	4599482	726.76	ug/l	99
24) 1,1-Dichloroethane	3.70	63	524619	131.74	ug/l	100
25) 2-Butanone	4.72	43	1176758	613.16	ug/l	99
26) 2,2-Dichloropropane	4.59	77	497773	157.87	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	353530	141.36	ug/l	99
28) Bromochloromethane	5.03	49	271055	151.58	ug/l	100
29) Tetrahydrofuran	5.17	42	733596	598.02	ug/l	100
30) Chloroform	5.23	83	607562	144.15	ug/l	100
31) Cyclohexane	5.58	56	503666	147.35	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	559426	153.09	ug/l	100
36) 1,1-Dichloropropene	5.81	75	450500	150.33	ug/l	99
37) Ethyl Acetate	4.87	43	460048	131.67	ug/l	100
38) Carbon Tetrachloride	5.79	117	512674	166.13	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	545739	162.35	ug/l	98
40) Benzene	6.15	78	1304667	151.15	ug/l	100
41) Methacrylonitrile	5.07	41	265873	135.46	ug/l	99
42) 1,2-Dichloroethane	6.20	62	499680	145.13	ug/l	100
43) Isopropyl Acetate	6.48	43	797521	144.62	ug/l	100
44) Trichloroethene	7.22	130	393038	152.17	ug/l	97
45) 1,2-Dichloropropane	7.52	63	338143	149.64	ug/l	99
46) Dibromomethane	7.67	93	236044	150.94	ug/l	99
47) Bromodichloromethane	7.91	83	473843	166.59	ug/l	98
48) Methyl methacrylate	7.79	41	425719	145.44	ug/l	98
49) 1,4-Dioxane	7.77	88	147444	2545.52	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	2625996	726.79	ug/l	98
52) Toluene	8.79	92	897366	158.74	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	570087	172.63	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	558925	180.41	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	364744	153.38	ug/l	99
56) Ethyl methacrylate	9.19	69	563353	161.66	ug/l	100
57) 1,3-Dichloropropane	9.38	76	578154	150.63	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1269083	765.01	ug/l	99
59) 2-Hexanone	9.51	43	2091152	737.23	ug/l	99
60) Dibromochloromethane	9.59	129	433890	180.64	ug/l	98
61) 1,2-Dibromoethane	9.68	107	391843	157.67	ug/l	99
64) Tetrachloroethene	9.34	164	406081	140.00	ug/l	96
65) Chlorobenzene	10.15	112	1060925	151.78	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	406356	168.06	ug/l	100
67) Ethyl Benzene	10.26	91	1788536	156.64	ug/l	99
68) m/p-Xylenes	10.37	106	1439535	318.81	ug/l	100
69) o-Xylene	10.71	106	705478	161.77	ug/l	100
70) Styrene	10.72	104	1214341	167.57	ug/l	100
71) Bromoform	10.87	173	396181	188.76	ug/l	100
73) Isopropylbenzene	11.02	105	1923675	148.90	ug/l	100
74) N-amyl acetate	6.48	43	797521	125.45	ug/l #	100
75) 1,1,1,2-Tetrachloroethane	11.27	83	593022	140.66	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	540444m	136.71	ug/l	
77) Bromobenzene	11.26	156	557365	145.99	ug/l	99
78) n-propylbenzene	11.37	91	2174753	151.08	ug/l	99
79) 2-Chlorotoluene	11.43	91	1294878	145.51	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1679653	153.38	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	184117	184.90	ug/l	96
82) 4-Chlorotoluene	11.52	91	1593591	150.42	ug/l	100
83) tert-Butylbenzene	11.78	119	1720142	157.67	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1702392	151.63	ug/l	100
85) sec-Butylbenzene	11.95	105	1985967	154.79	ug/l	100
86) p-Isopropyltoluene	12.07	119	1856223	155.95	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1028805	149.94	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1048259	146.52	ug/l	100
89) n-Butylbenzene	12.40	91	1686181	163.42	ug/l	100
90) Hexachloroethane	12.60	117	313096	185.17	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	1036357	149.52	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	132769	144.22	ug/l	99

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VSTDICC150

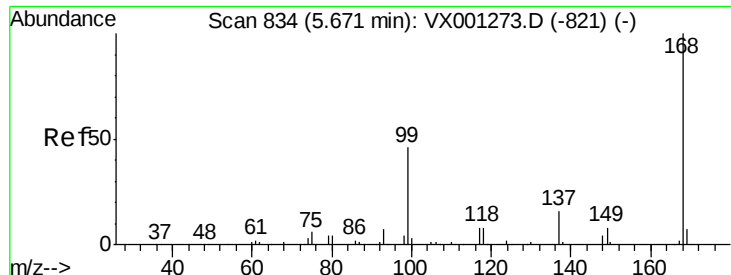
Manual Integrations
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5/2/2018 4:20:53 PM

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	832427	152.74	ug/l	99
94) Hexachlorobutadiene	13.79	225	423048	162.08	ug/l	100
95) Naphthalene	13.84	128	2147970	143.08	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	811818	149.97	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:168 Resp: 206051

Ion Ratio Lower Upper

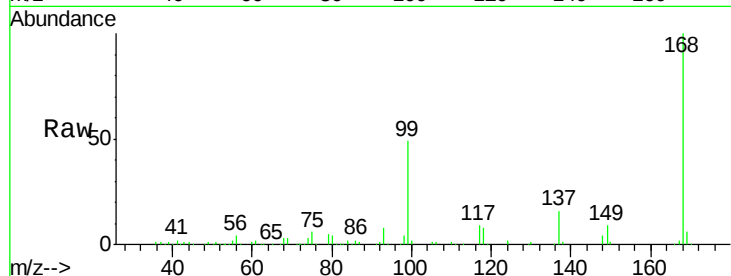
168 100

99 48.9 36.5 54.7

Manual Integrations
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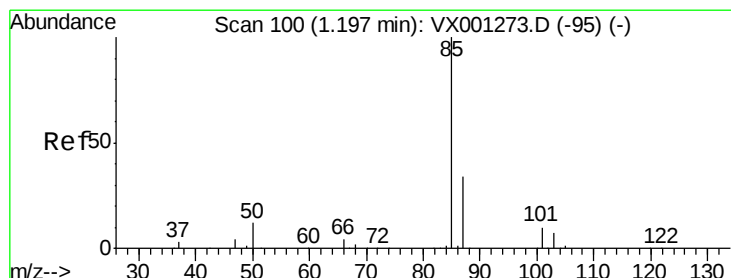
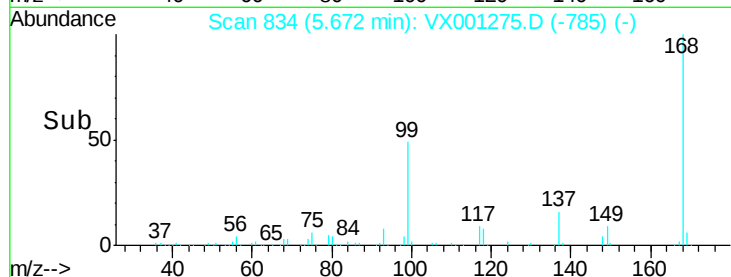
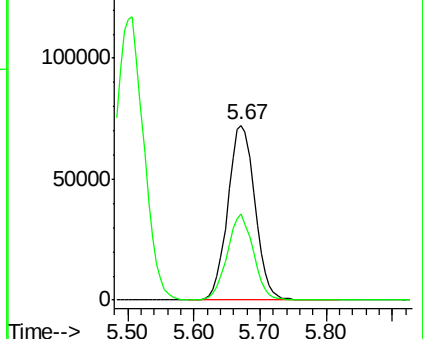
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 163.80 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX001275.D

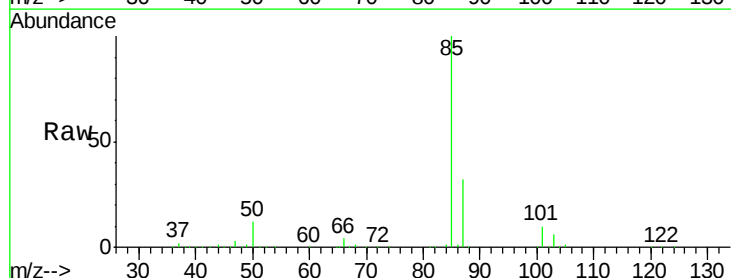
Acq: 01 May 2018 13:11

Tgt Ion: 85 Resp: 364087

Ion Ratio Lower Upper

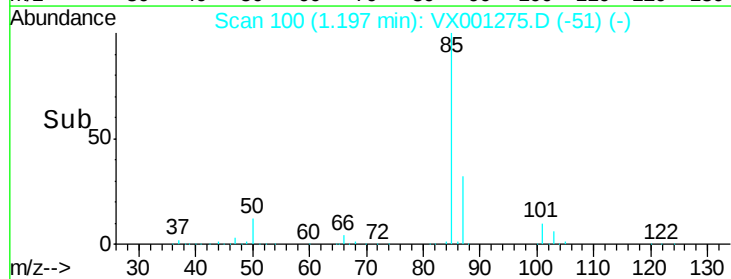
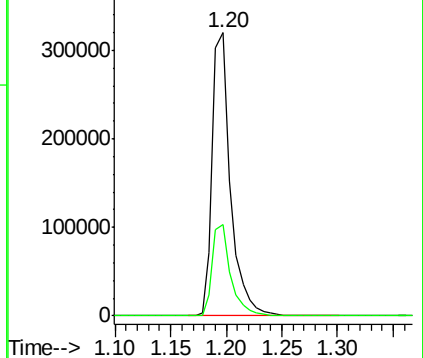
85 100

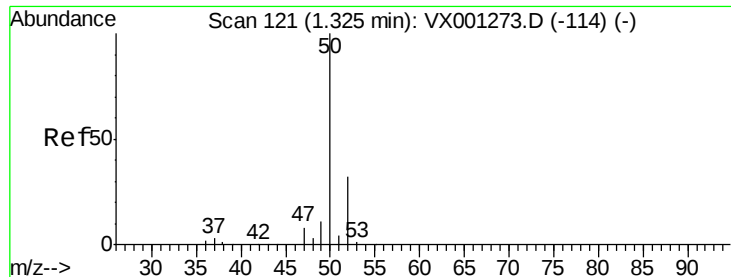
87 32.3 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 147.79 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 335008

Ion Ratio Lower Upper

50 100

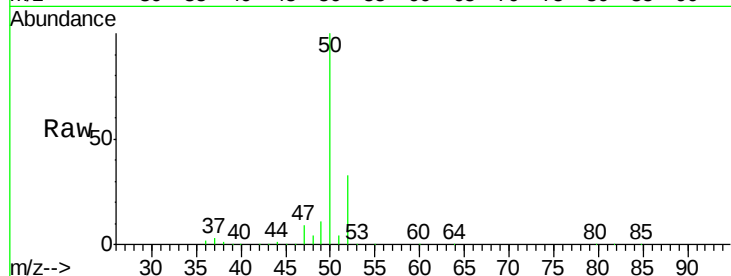
52 32.9 25.7 38.5

Manual Integrations

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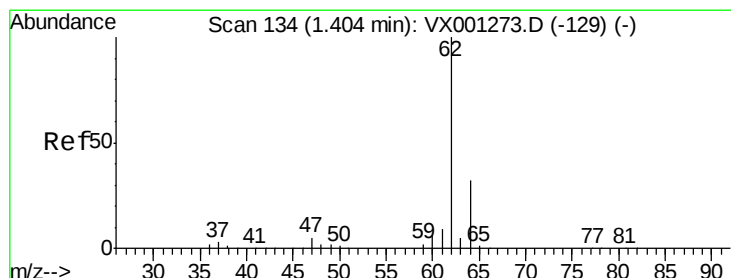
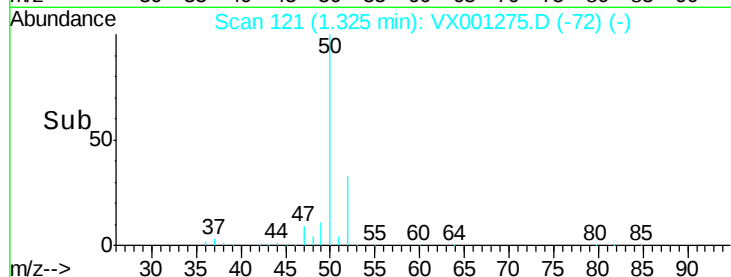
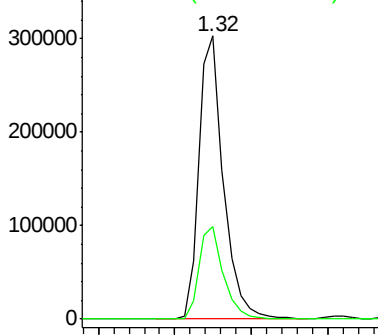
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 141.65 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX001275.D

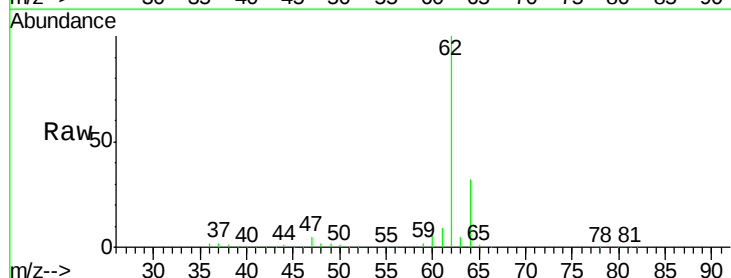
Acq: 01 May 2018 13:11

Tgt Ion: 62 Resp: 341244

Ion Ratio Lower Upper

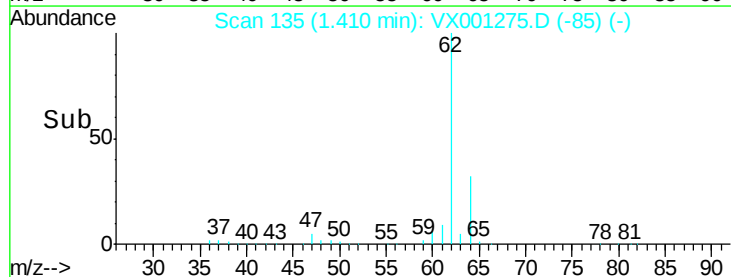
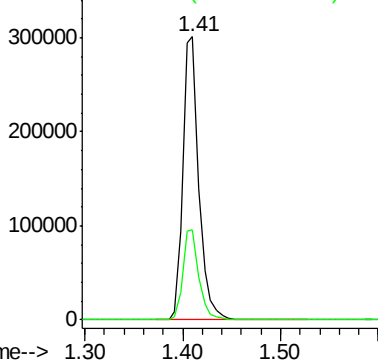
62 100

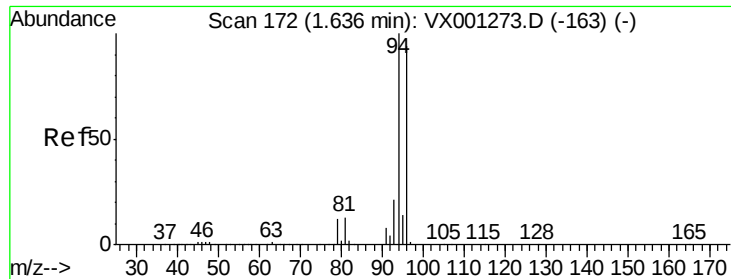
64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 151.59 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 258276

Ion Ratio Lower Upper

94 100

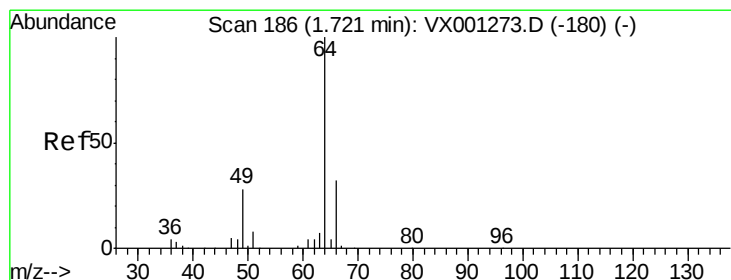
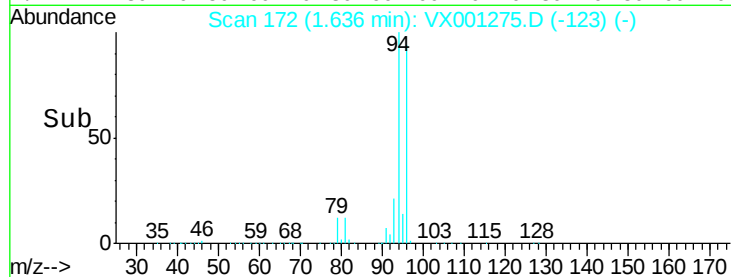
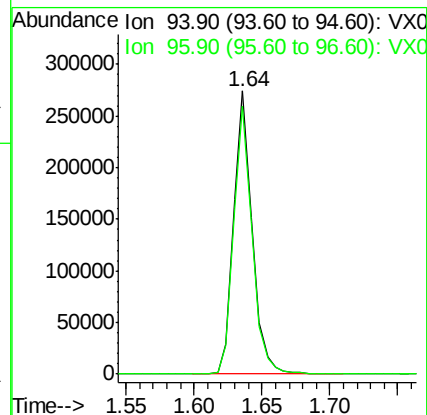
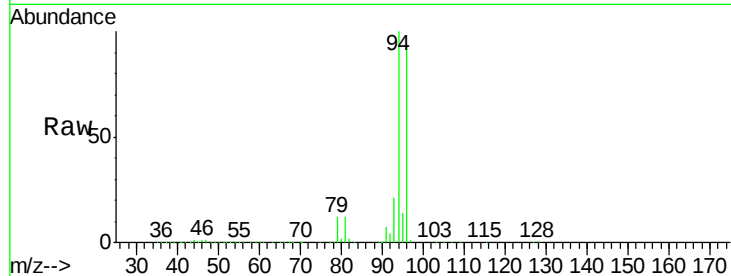
96 94.5 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 148.80 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX001275.D

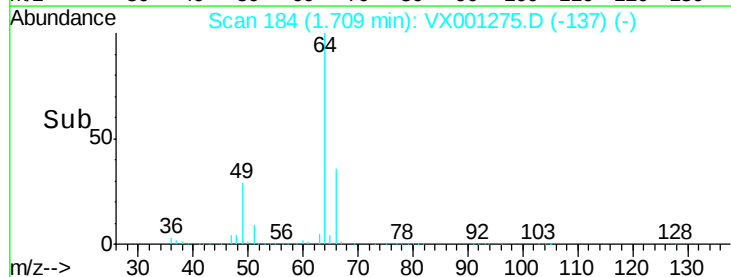
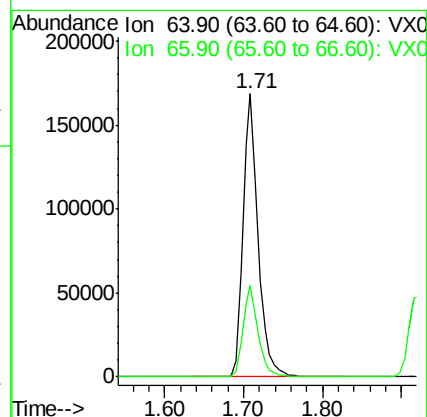
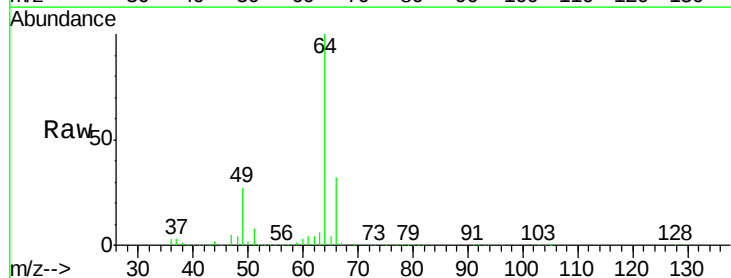
Acq: 01 May 2018 13:11

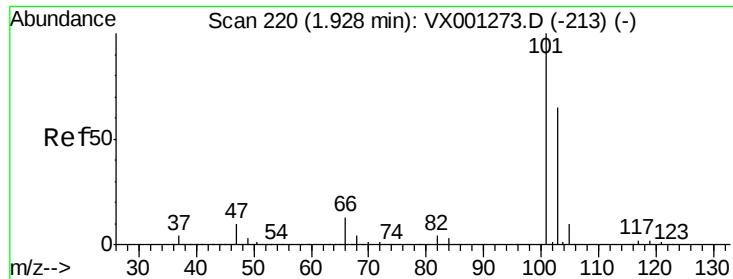
Tgt Ion: 64 Resp: 224000

Ion Ratio Lower Upper

64 100

66 32.3 25.7 38.5





#7

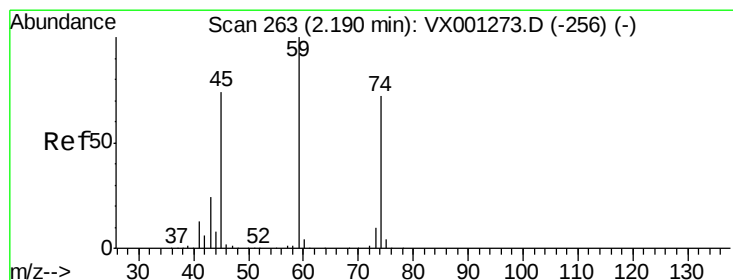
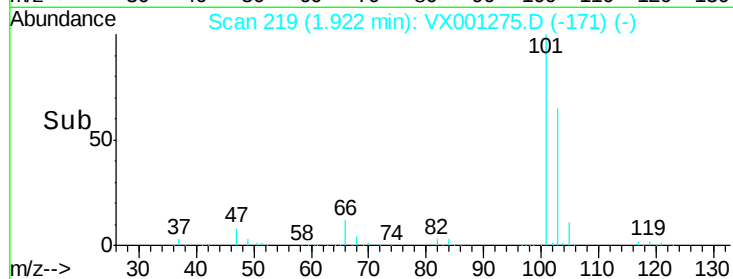
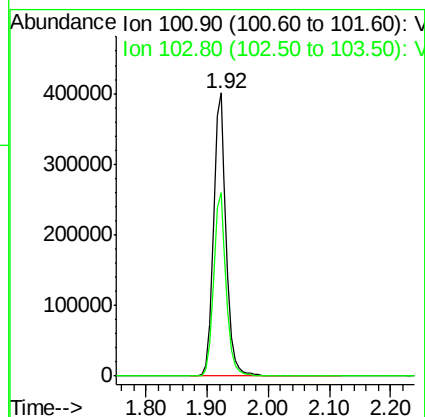
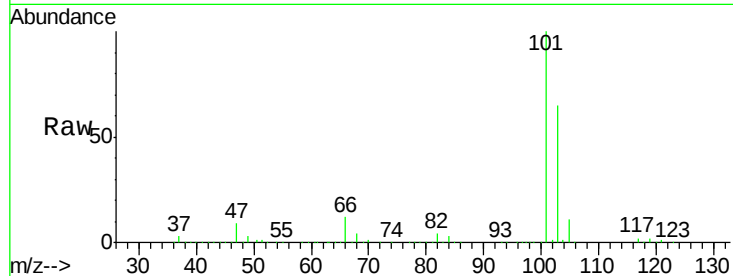
Trichlorofluoromethane
 Concen: 150.12 ug/l
 RT: 1.92 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		589483		
103	65.0	51.8			77.8

Manual Integrations
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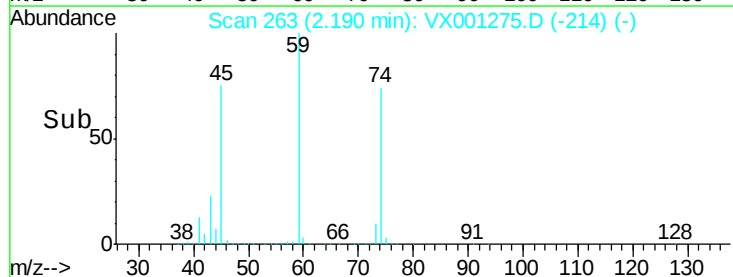
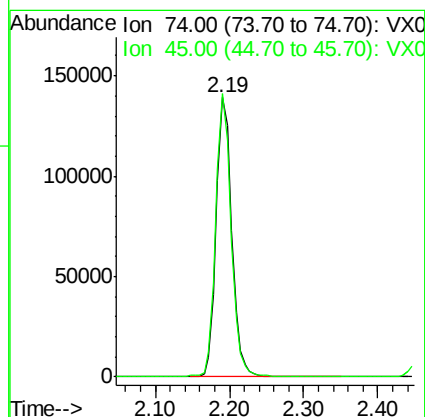
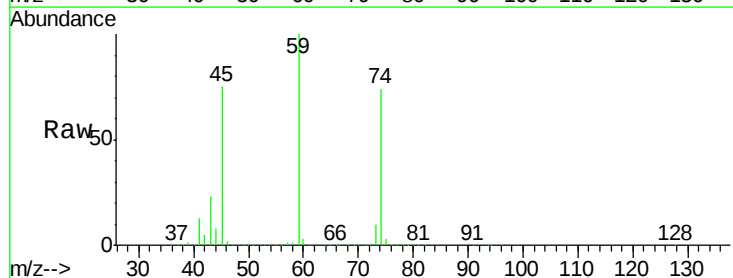
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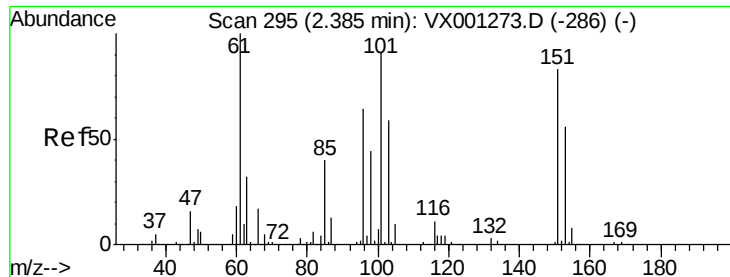


#8

Diethyl Ether
 Concen: 135.59 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		199948		
45	100.4	49.3			147.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 150.19 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

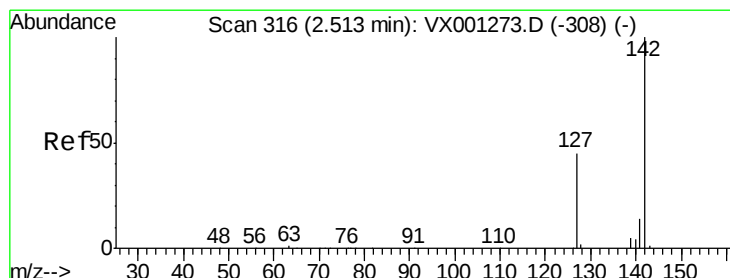
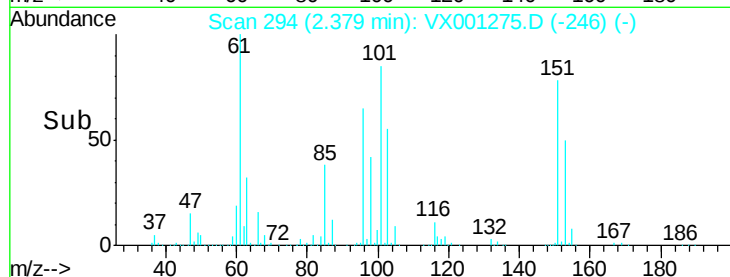
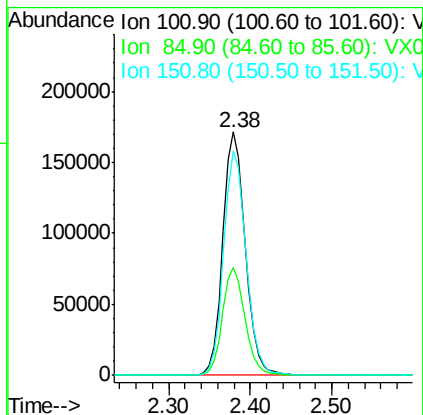
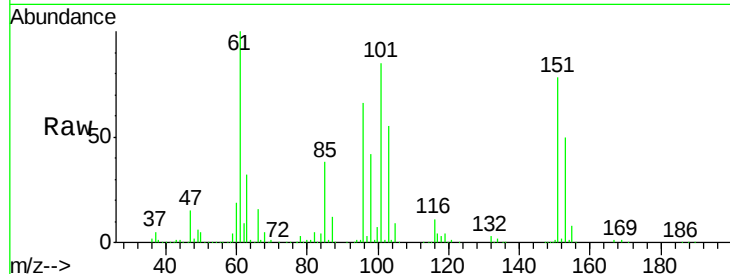
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	326317
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.6	53.4
151	92.3	74.8	112.2

Manual Integrations
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#10

Methyl Iodide

Concen: 200.18 ug/l

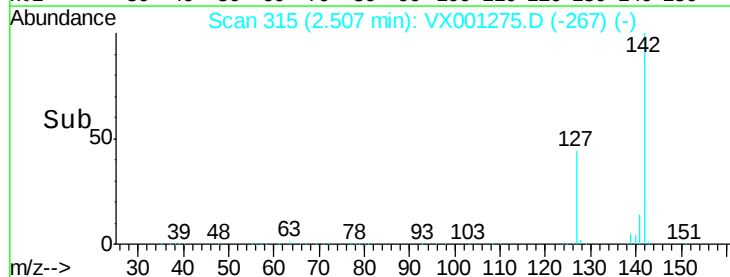
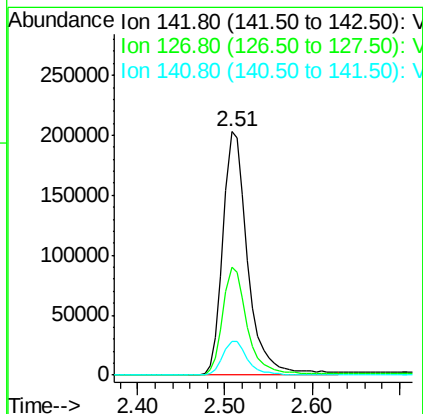
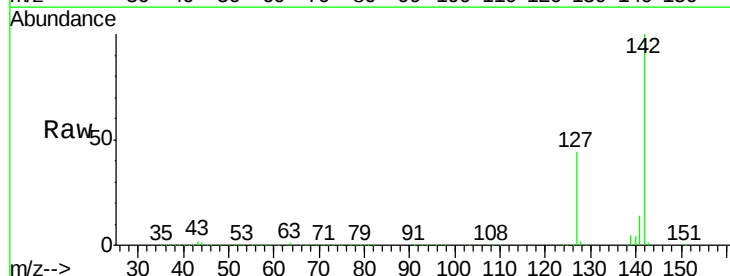
RT: 2.51 min Scan# 315

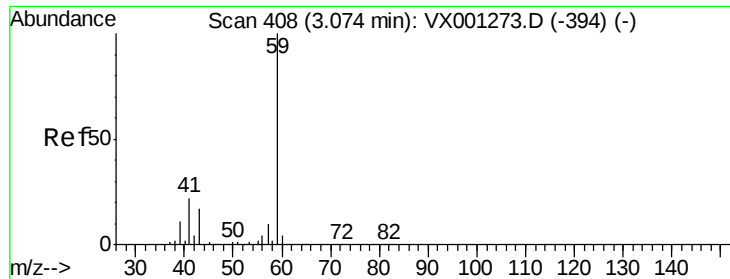
Delta R.T. -0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Tgt Ion:	142	Resp:	403660
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.7	53.5
141	14.0	11.4	17.0





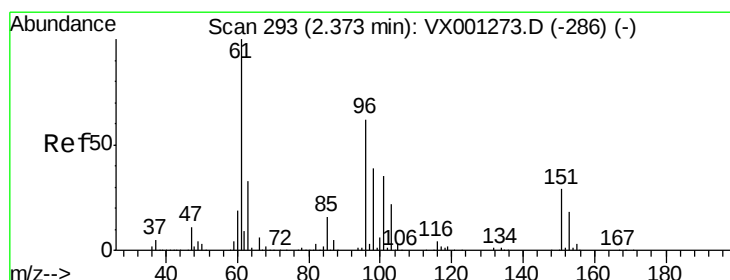
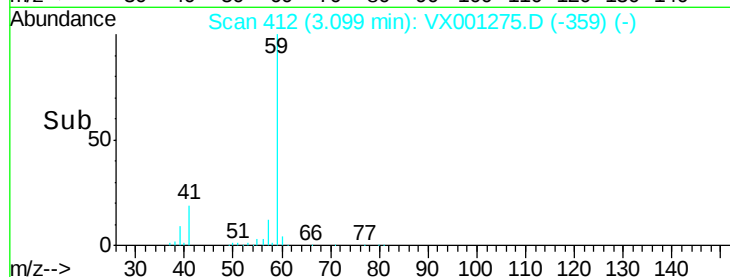
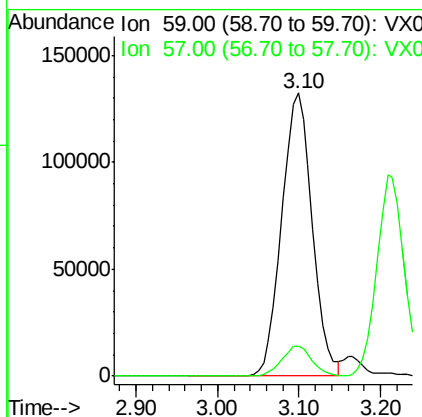
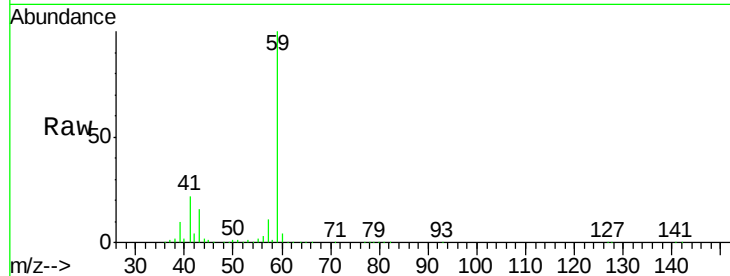
#11
Tert butyl alcohol
Concen: 574.36 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	12.8

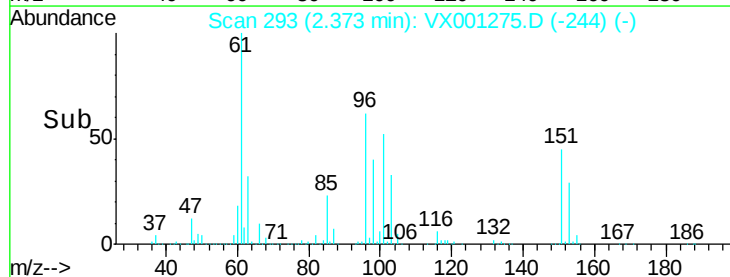
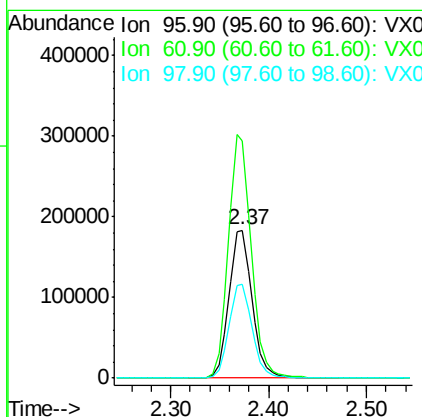
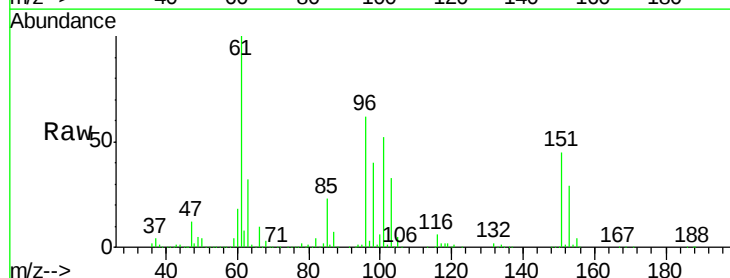
Manual Integrations
APPROVED

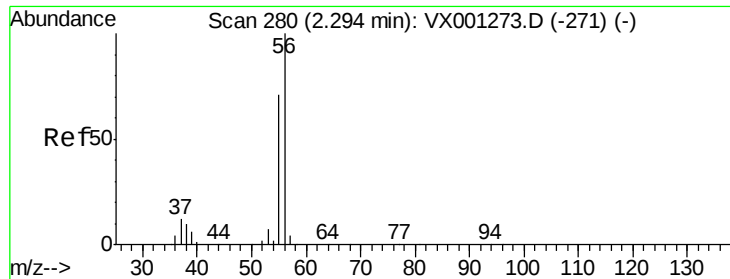
MMDadoda
5/2/2018 4:20:53 PM



#12
1,1-Dichloroethene
Concen: 143.53 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	130.1	195.1
98	63.7	50.3	75.5





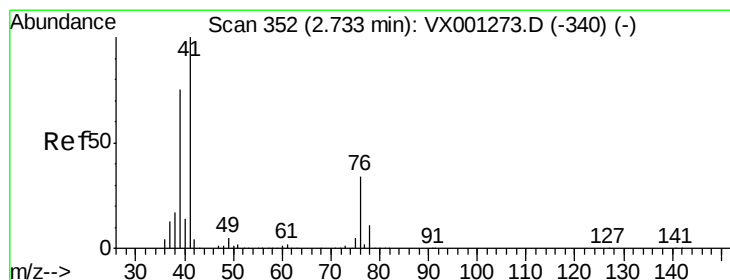
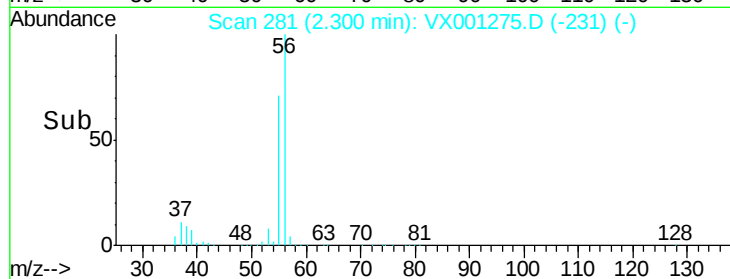
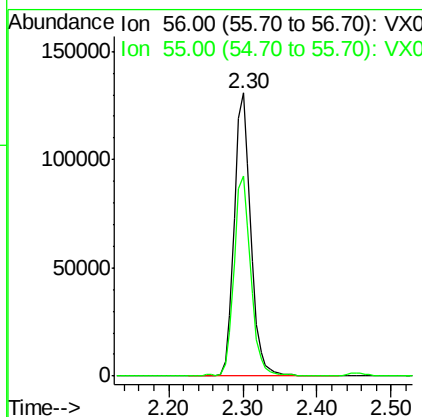
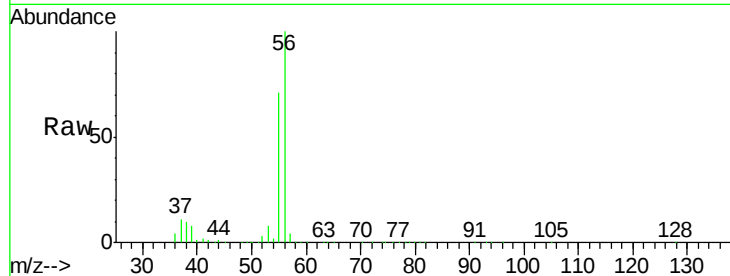
#13
Acrolein
Concen: 833.38 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	206027
Ion Ratio	100	Lower	Upper
55	71.7	57.2	85.8

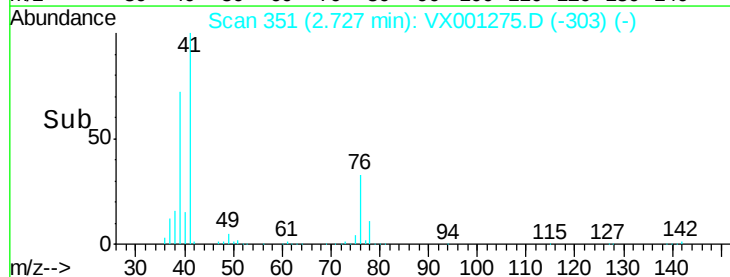
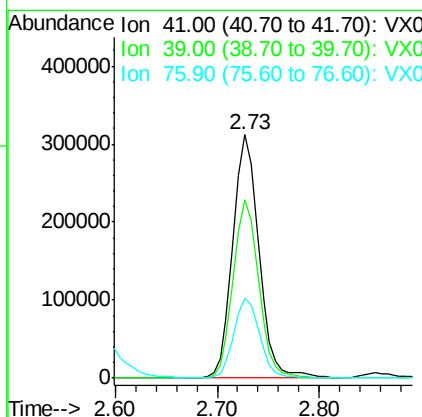
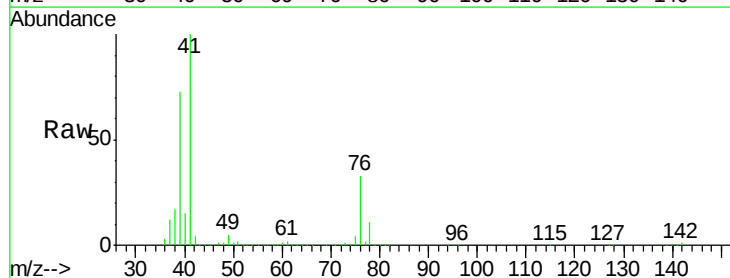
Manual Integrations
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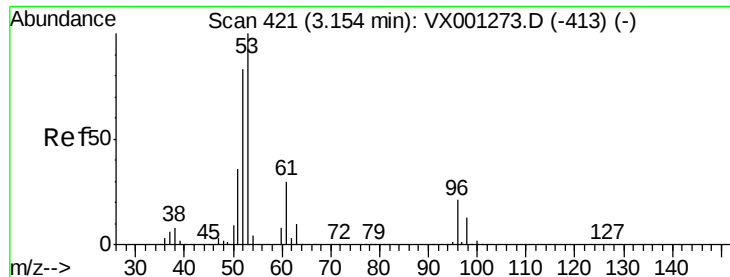
MMDadoda
5/2/2018 4:20:53 PM



#14
Allyl chloride
Concen: 147.02 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	41	Resp	553279
Ion Ratio	100	Lower	Upper
39	71.8	58.1	87.1
76	32.3	25.1	37.7





#15

Acrylonitrile

Concen: 624.82 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

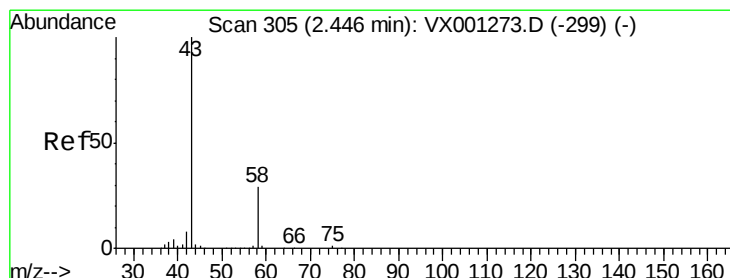
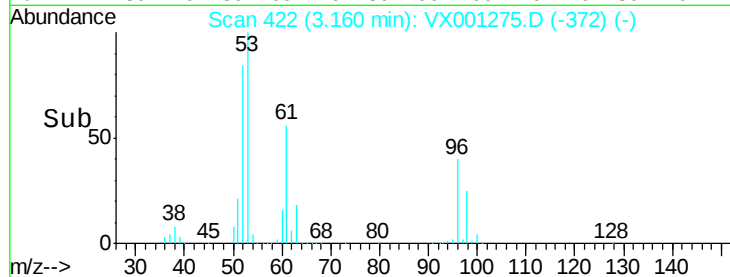
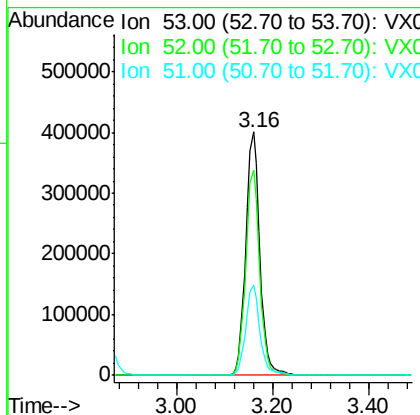
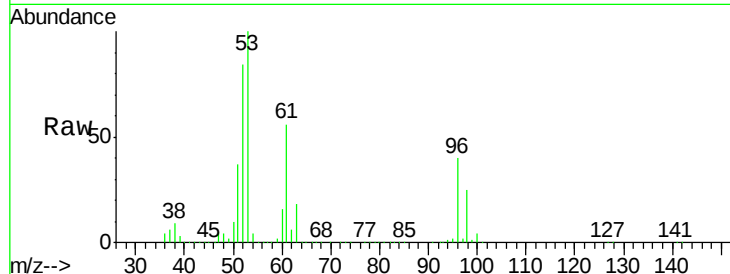
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	821263
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.0	100.4
51	37.2	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 655.52 ug/l

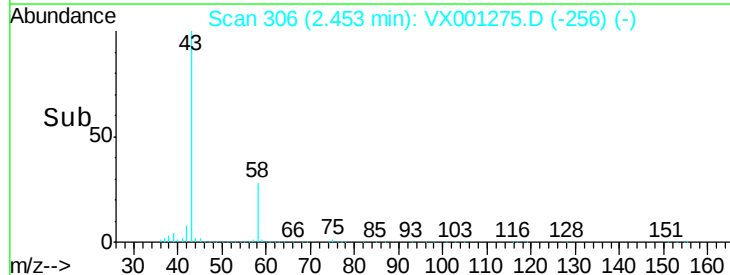
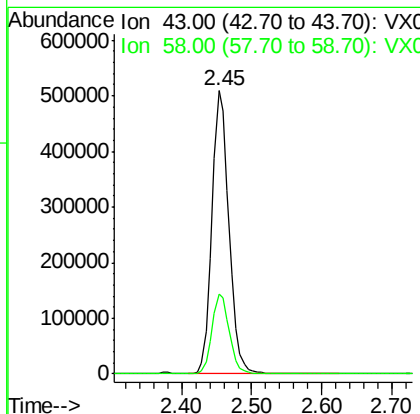
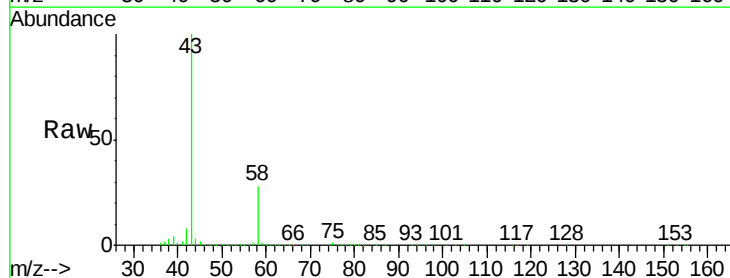
RT: 2.45 min Scan# 306

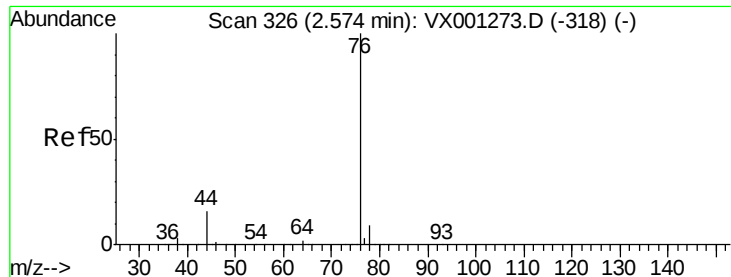
Delta R.T. 0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Tgt Ion:	43	Resp:	855430
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.8	34.2





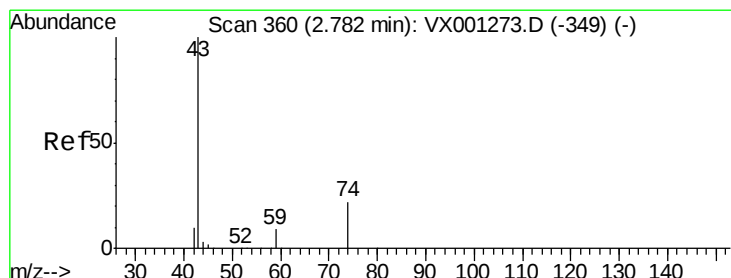
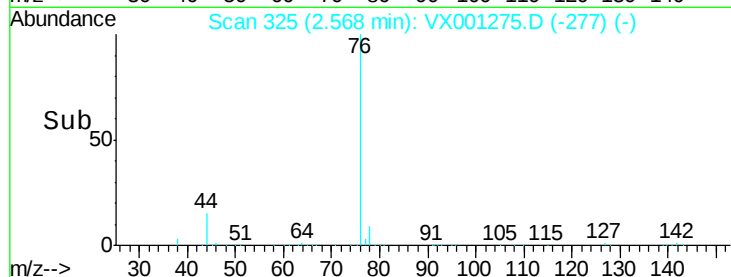
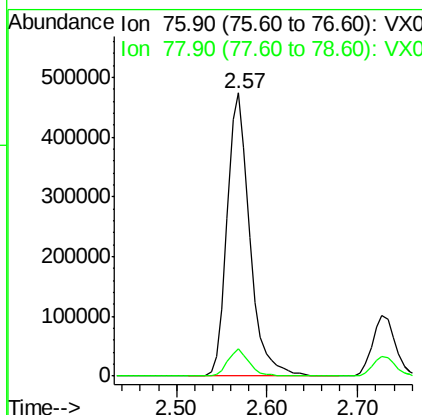
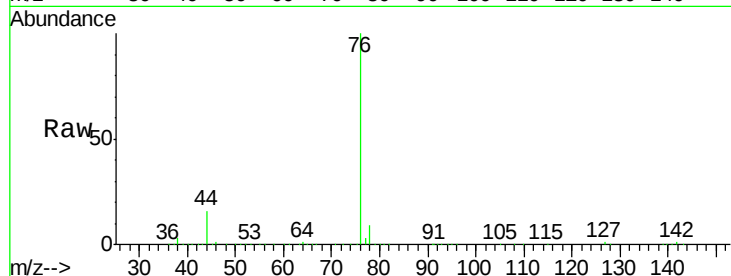
#17
Carbon Disulfide
Concen: 154.37 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.4

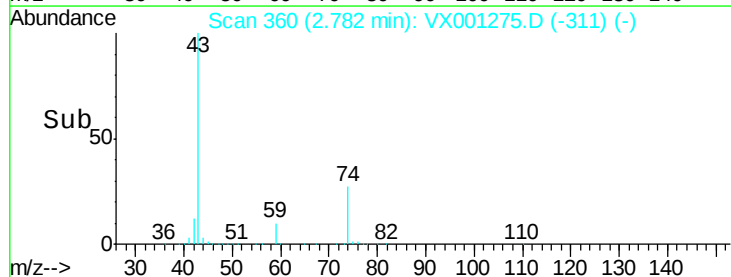
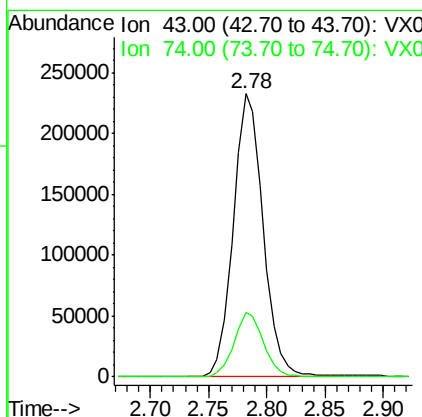
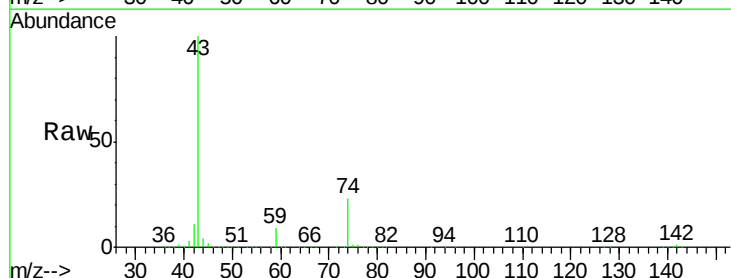
Manual Integrations
APPROVED

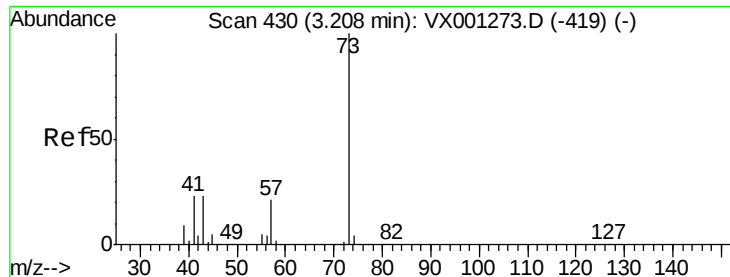
MMDadoda
5/2/2018 4:20:53 PM



#18
Methyl Acetate
Concen: 128.40 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.8	26.6





#19

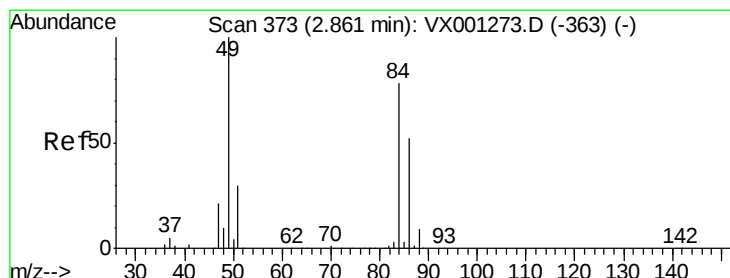
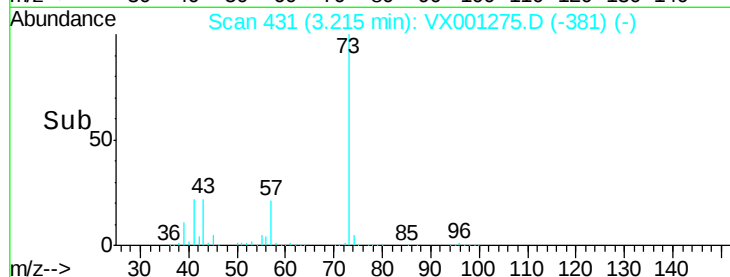
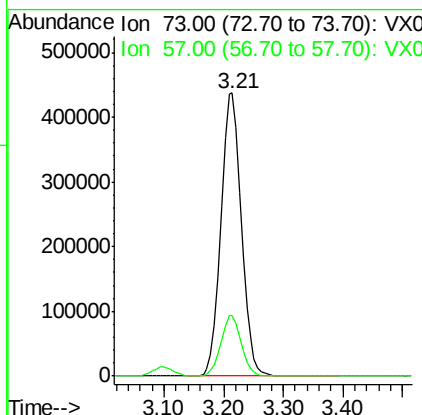
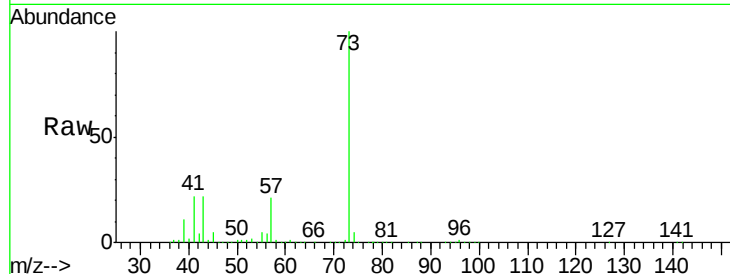
Methyl tert-butyl Ether
 Concen: 137.56 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC150

Tot Ion: 73 Resp: 1042465
 Ion Ratio Lower Upper
 73 100
 57 21.2 16.8 25.2

Manual Integrations
 APPROVED

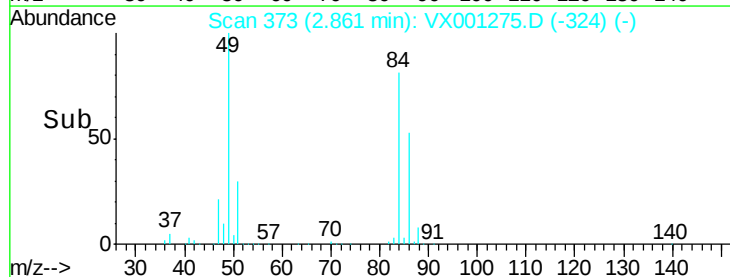
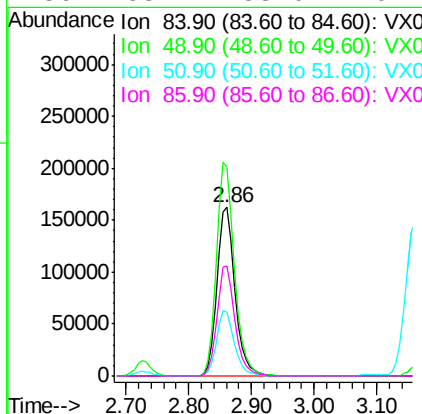
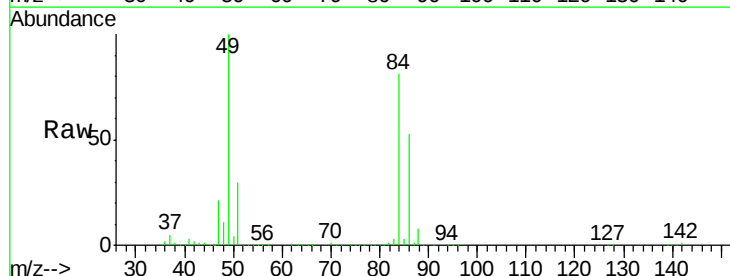
MMDadoda
 5/2/2018 4:20:53 PM

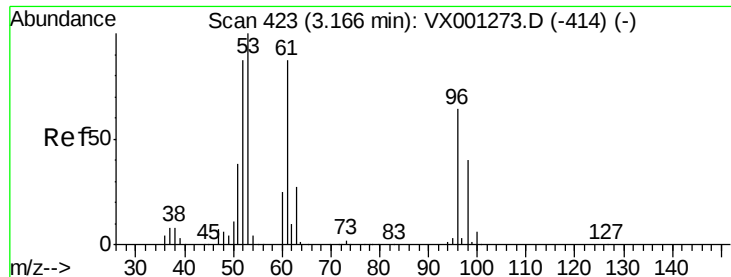


#20

Methylene Chloride
 Concen: 132.24 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Tgt Ion: 84 Resp: 322586
 Ion Ratio Lower Upper
 84 100
 49 123.6 102.8 154.2
 51 37.5 30.9 46.3
 86 65.2 53.0 79.4





#21

trans-1,2-Dichloroethene

Concen: 141.95 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 326079

Ion Ratio Lower Upper

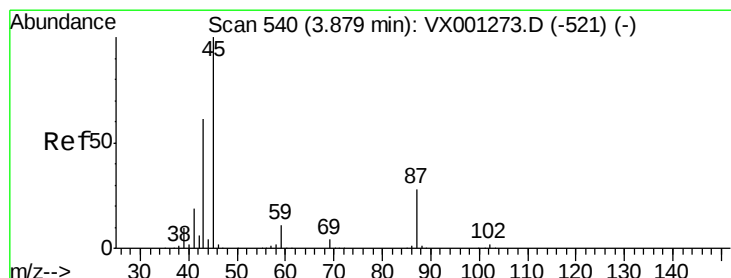
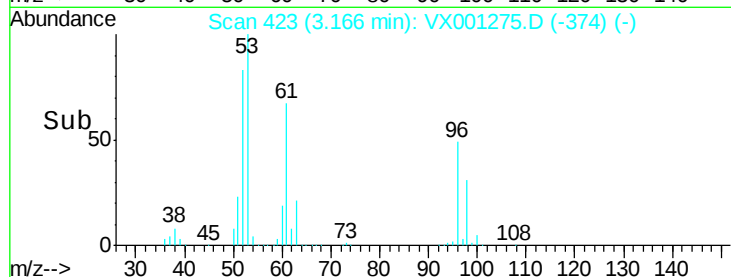
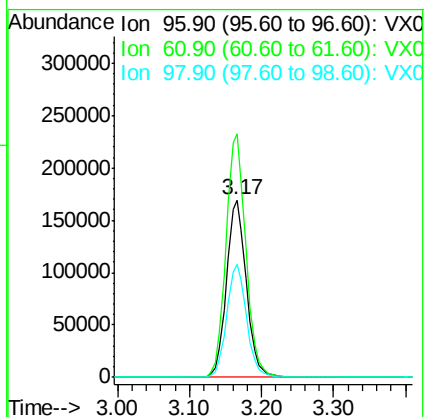
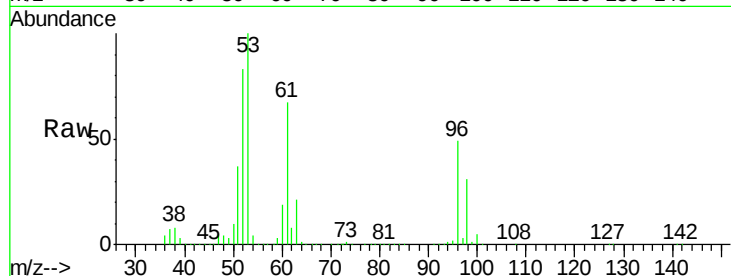
96 100

61 137.1 108.6 162.8

98 63.8 49.7 74.5

Manual Integrations
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5/2/2018 4:20:53 PM



#22

Diisopropyl ether

Concen: 143.76 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Tgt Ion: 45 Resp: 1076749

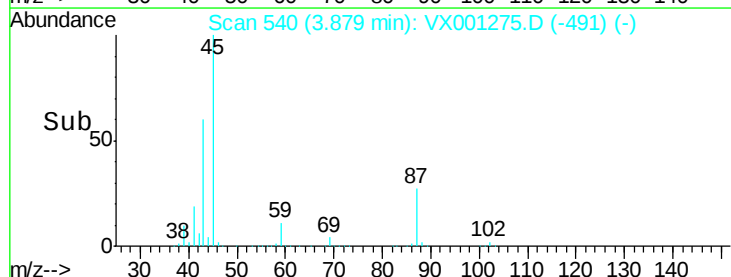
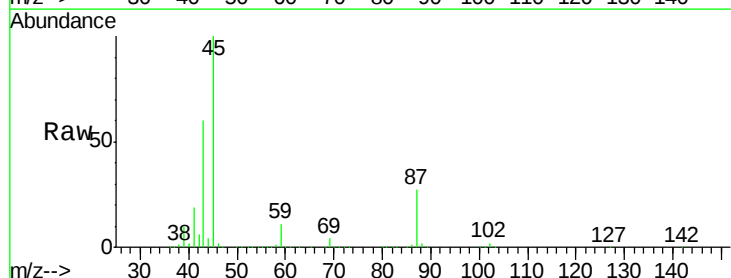
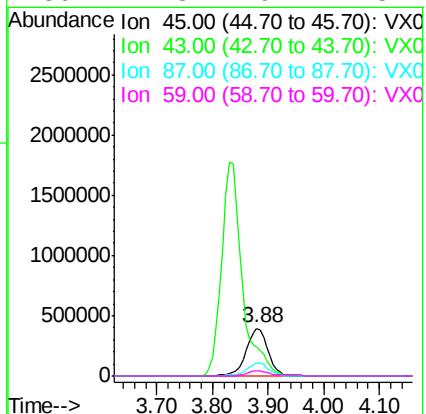
Ion Ratio Lower Upper

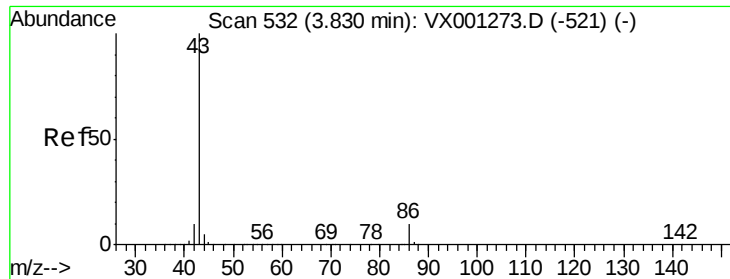
45 100

43 60.4 48.7 73.1

87 27.4 22.2 33.4

59 11.3 9.1 13.7





#23

Vinyl Acetate

Concen: 726.76 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4599482

Ion Ratio Lower Upper

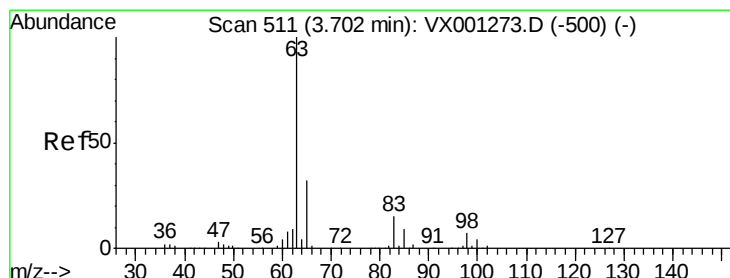
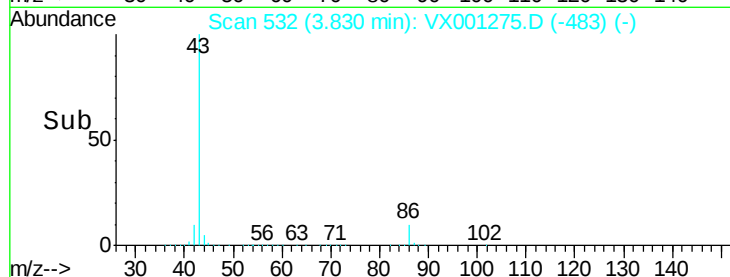
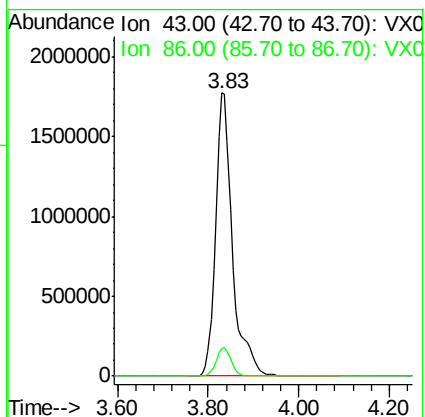
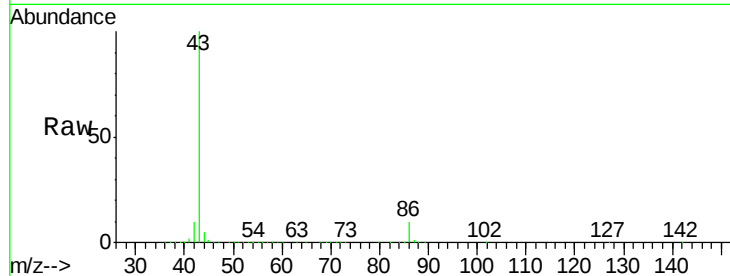
43 100

86 9.9 8.2 12.4

Manual Integrations
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MMDadoda

5/2/2018 4:20:53 PM



#24

1,1-Dichloroethane

Concen: 131.74 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

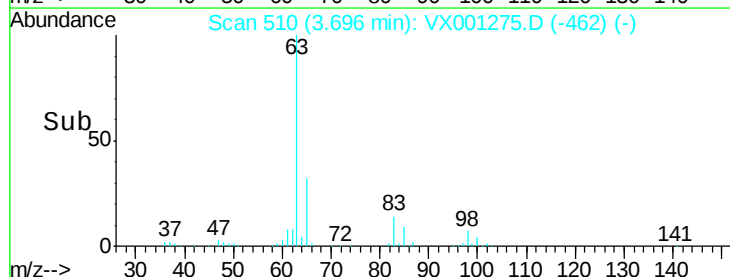
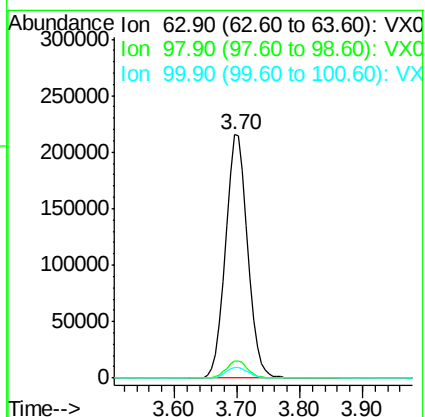
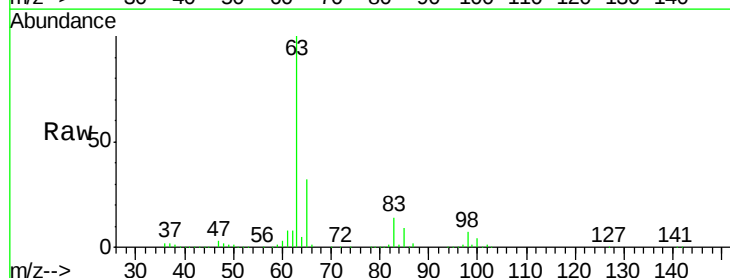
Tgt Ion: 63 Resp: 524619

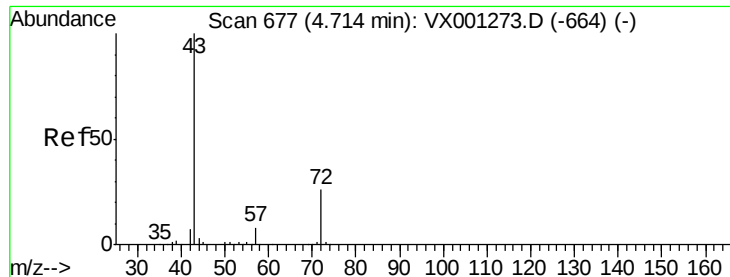
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.3 2.3 6.8





#25

2-Butanone

Concen: 613.16 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1176758

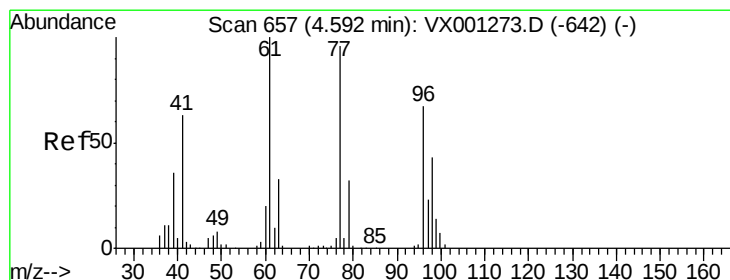
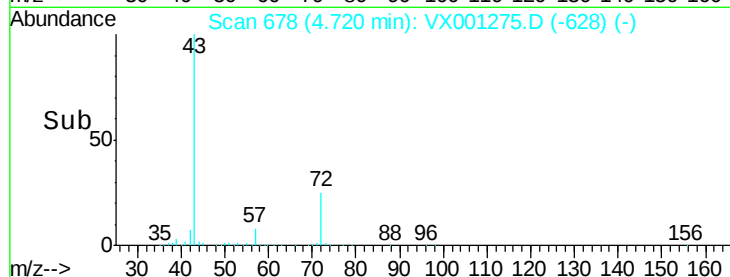
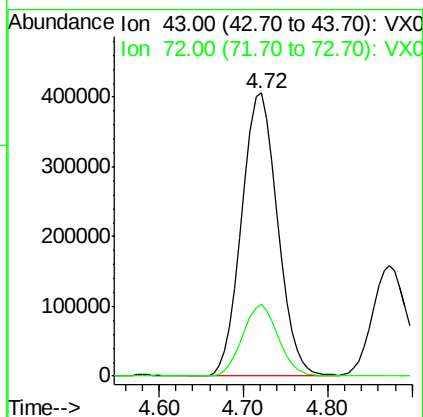
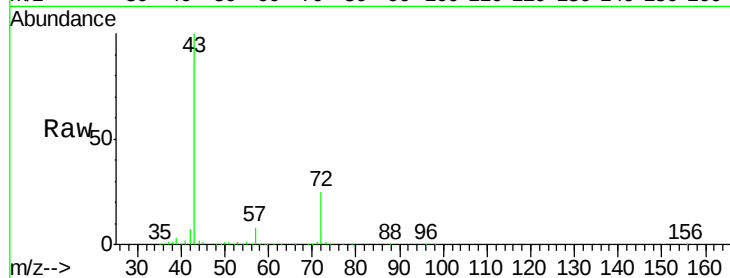
Ion Ratio Lower Upper

43 100

72 25.2 20.5 30.7

Manual Integrations
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MMDadoda
5/2/2018 4:20:53 PM



#26

2,2-Dichloropropane

Concen: 157.87 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX001275.D

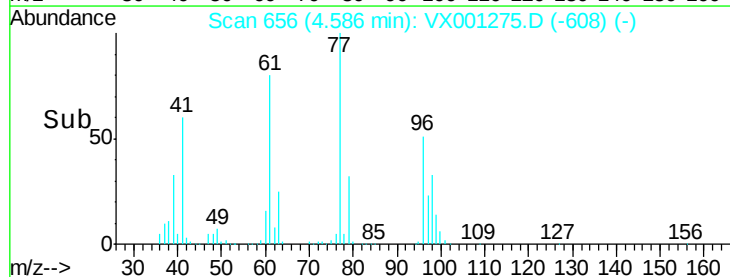
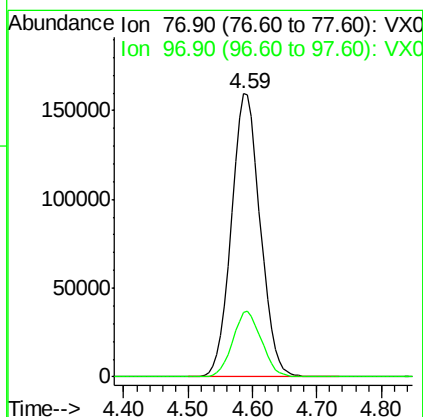
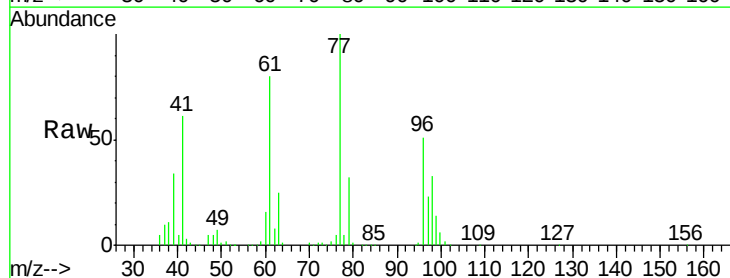
Acq: 01 May 2018 13:11

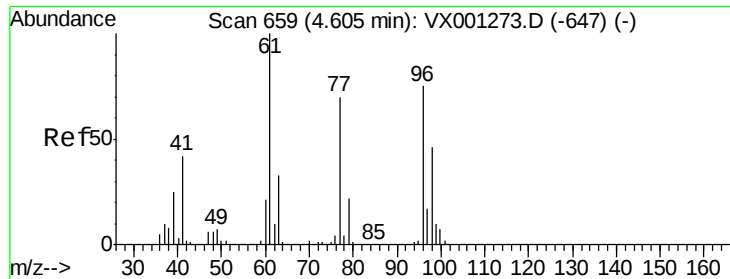
Tgt Ion: 77 Resp: 497773

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.3





#27

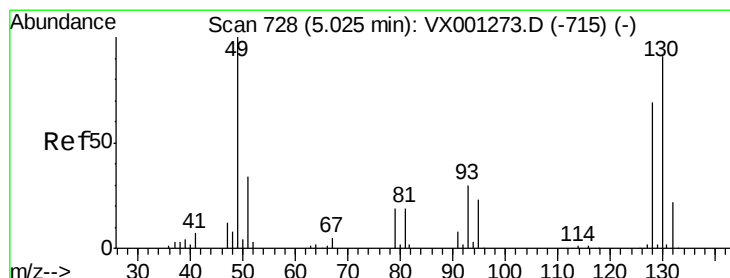
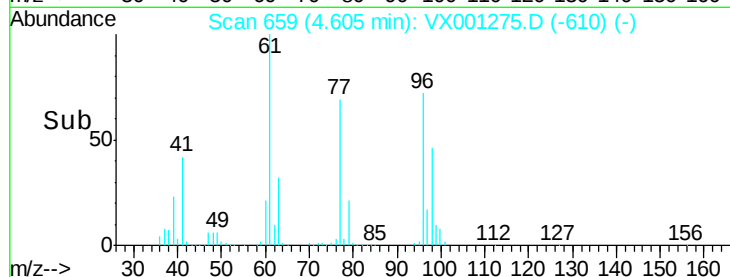
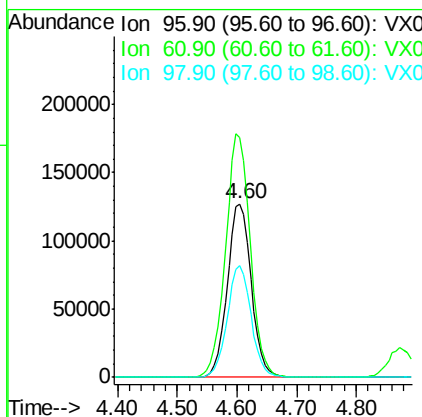
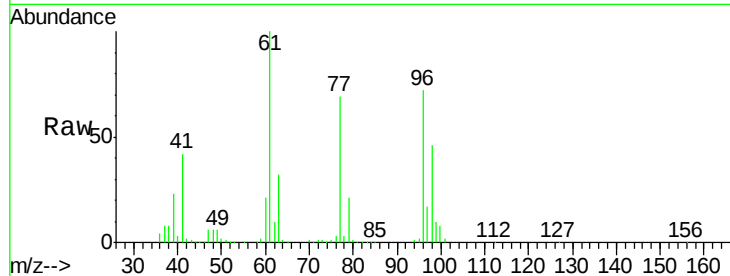
cis-1,2-Dichloroethene
Concen: 141.36 ug/l
RT: 4.60 min Scan# 659
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	353530		
61	145.2	0.0	288.0	
98	64.4	0.0	130.2	

Manual Integrations
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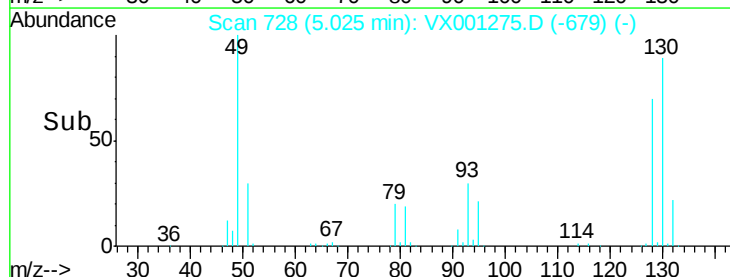
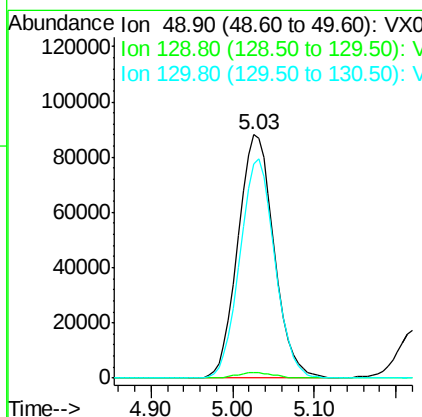
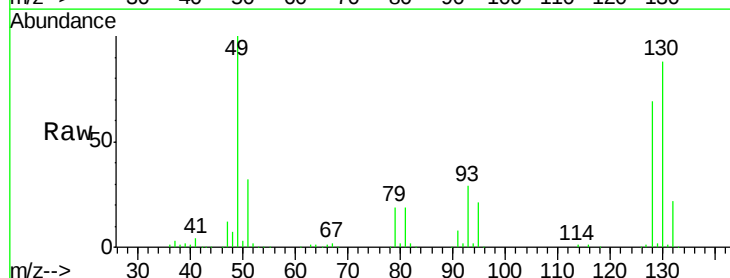
MMDadoda
5/2/2018 4:20:53 PM

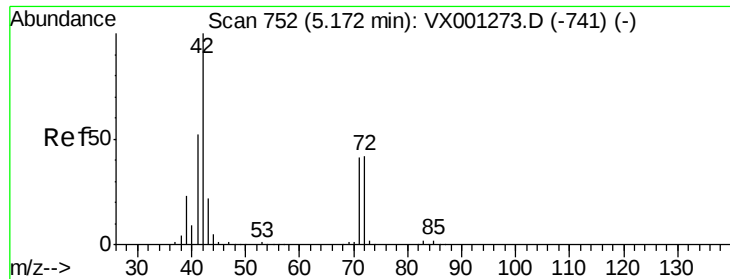


#28

Bromochloromethane
Concen: 151.58 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	271055		
129	2.4	0.0	4.8	
130	87.6	70.4	105.6	





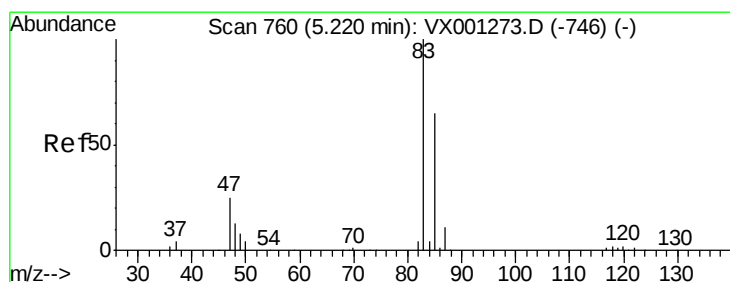
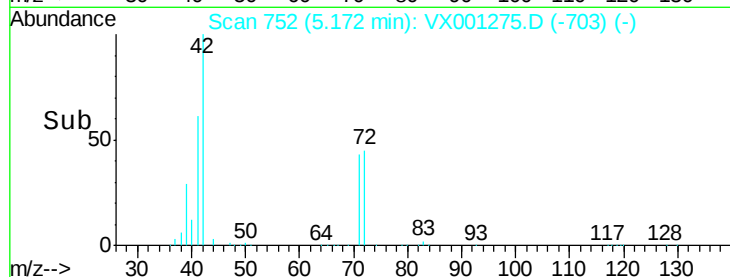
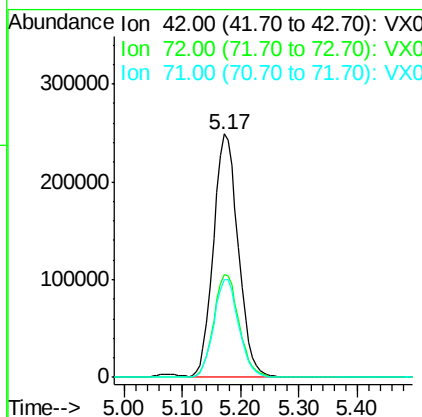
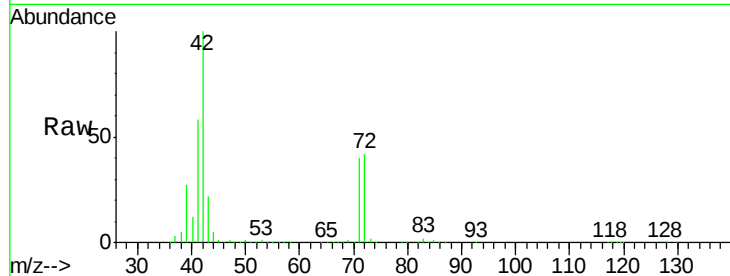
#29
Tetrahydrofuran
Concen: 598.02 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	40.4	32.7	49.1

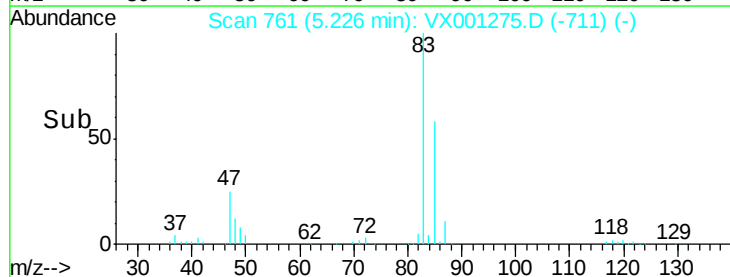
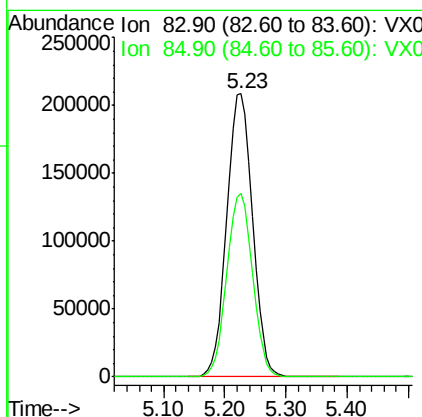
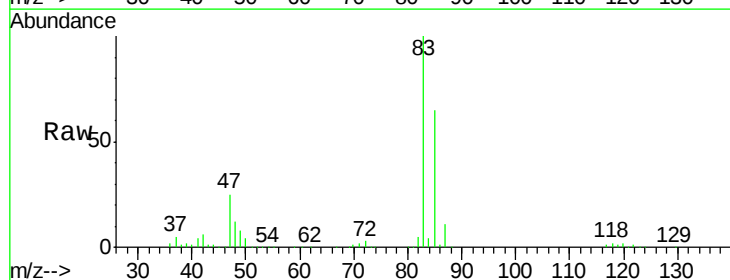
Manual Integrations
APPROVED

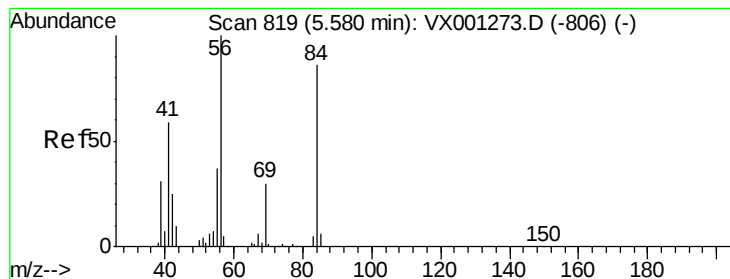
MMDadoda
5/2/2018 4:20:53 PM



#30
Chloroform
Concen: 144.15 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.2





#31

Cyclohexane

Concen: 147.35 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

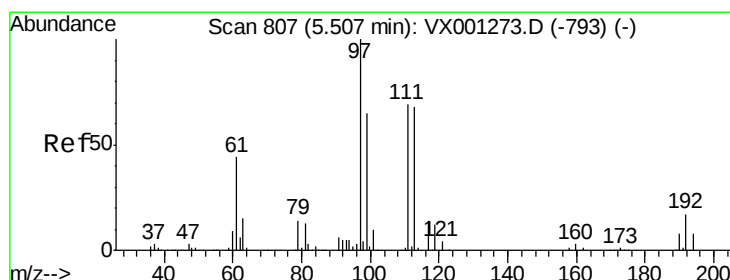
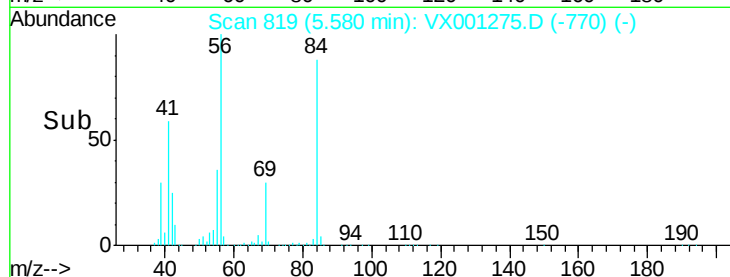
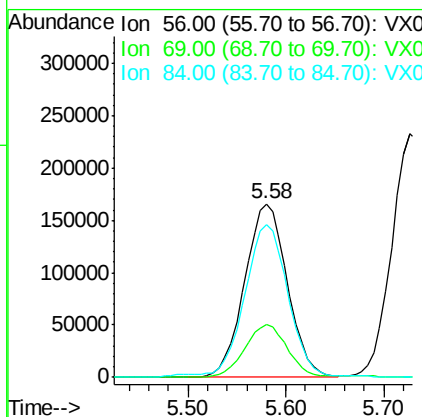
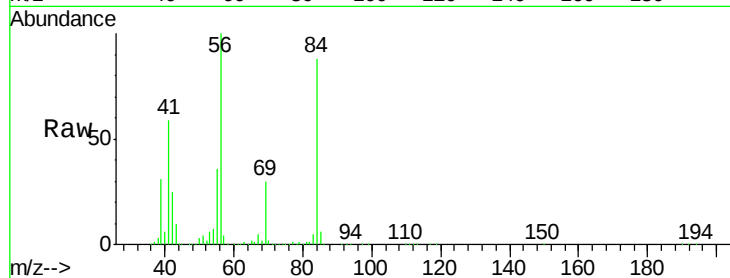
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	503666
Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.0	36.0
84	86.9	69.0	103.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 153.09 ug/l

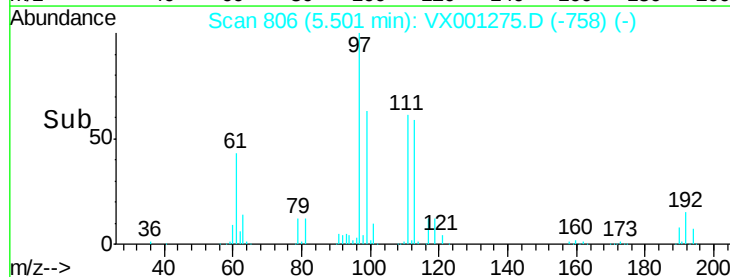
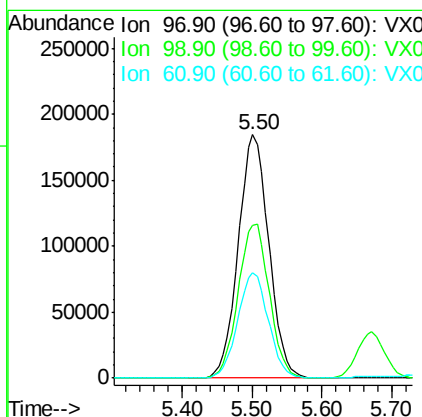
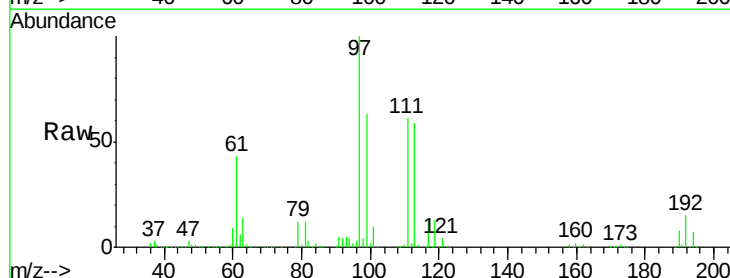
RT: 5.50 min Scan# 806

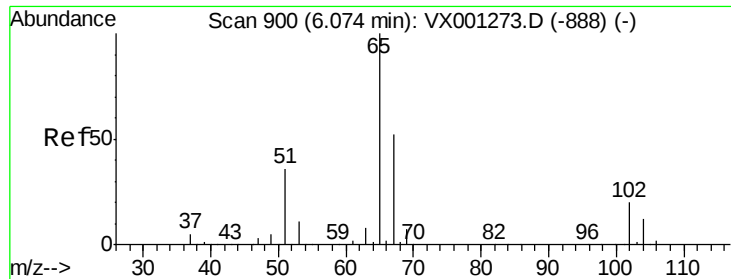
Delta R.T. -0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Tgt Ion:	97	Resp:	559426
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	43.7	35.4	53.2





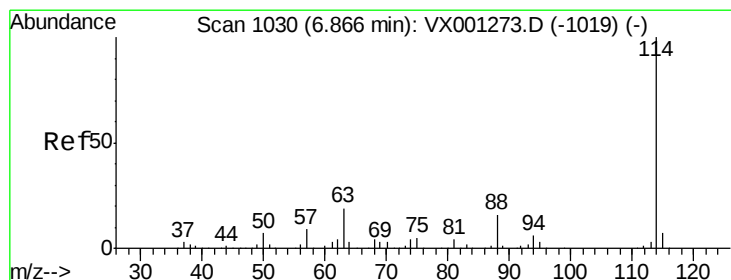
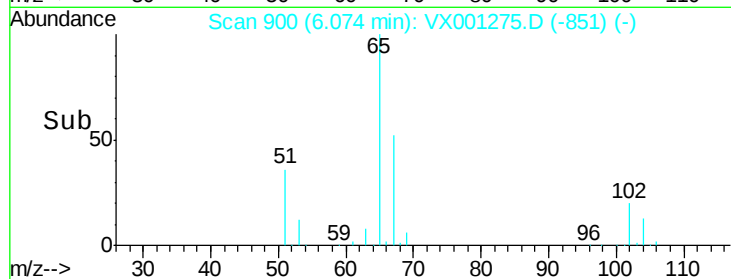
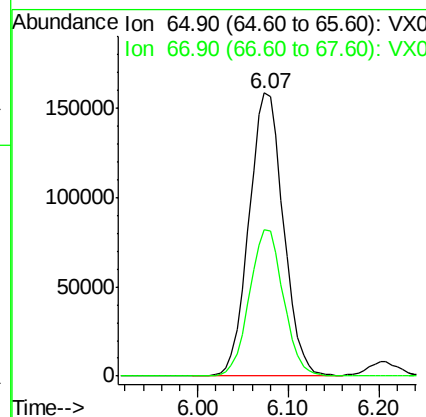
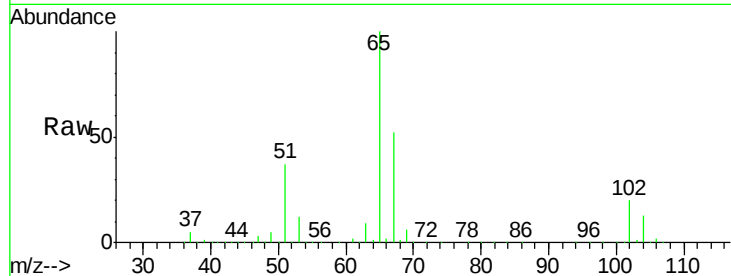
#33
 1,2-Dichloroethane-d4
 Concen: 132.09 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	416520		
67	51.1	0.0	102.8	

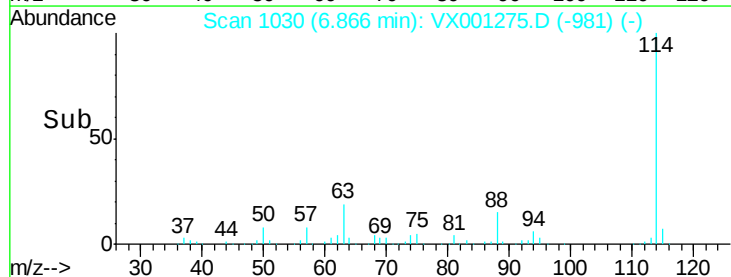
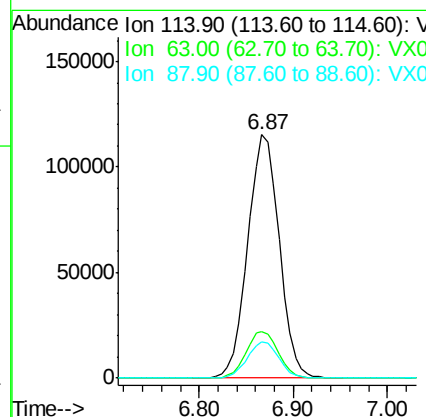
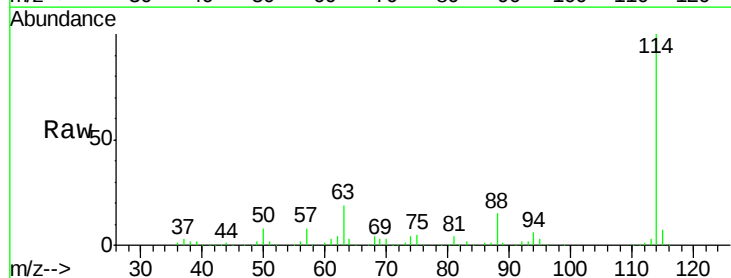
Manual Integrations
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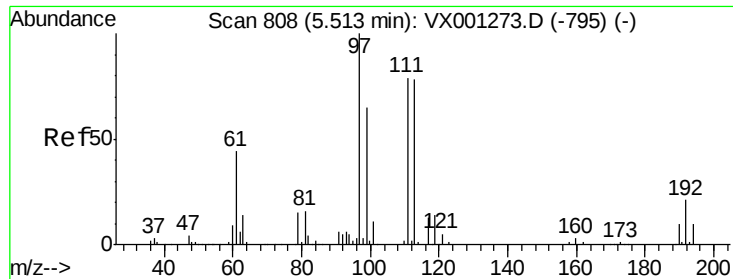
MMDadoda
 5/2/2018 4:20:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	269443		
63	19.1	0.0	38.8	
88	14.8	0.0	32.2	





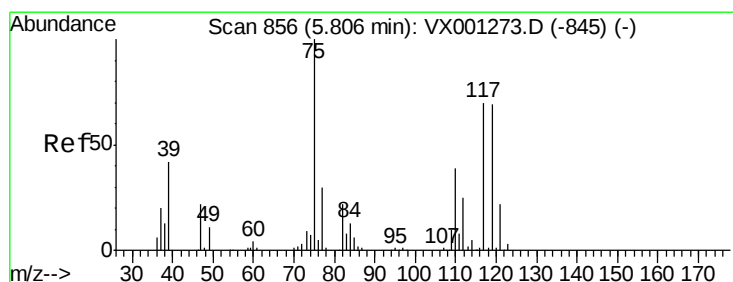
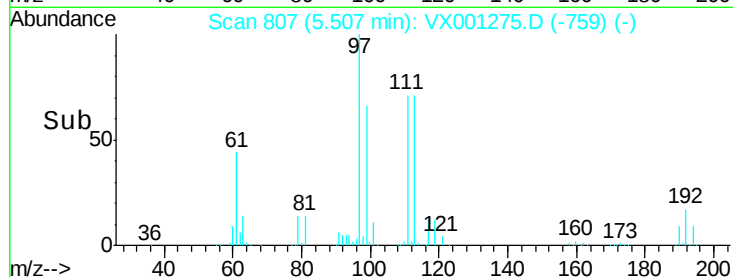
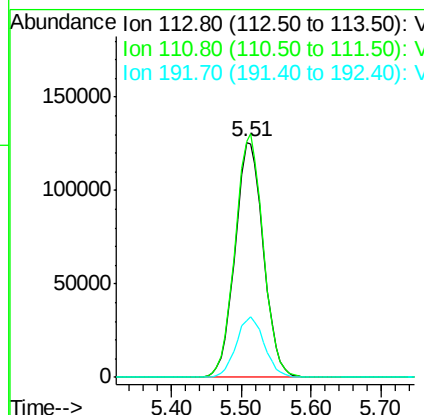
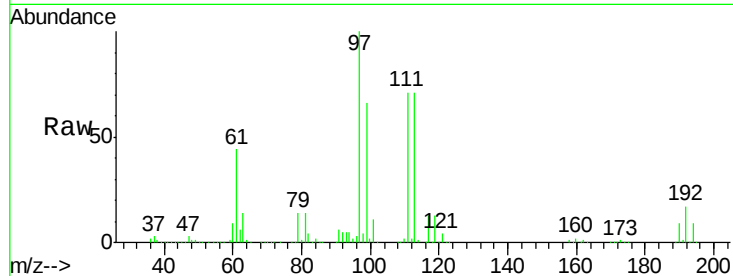
#35
Dibromofluoromethane
Concen: 158.23 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	354416		
111	102.4	81.2	121.8	
192	25.5	20.7	31.1	

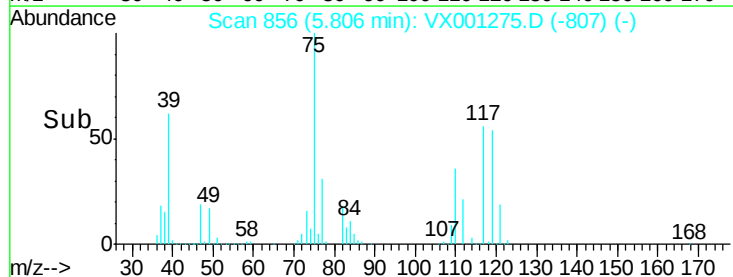
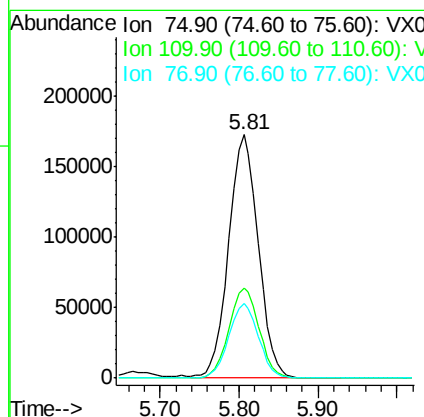
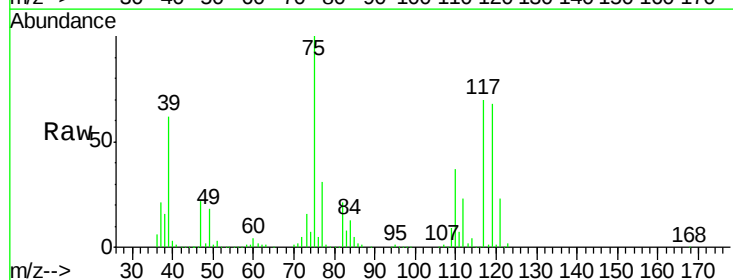
Manual Integrations
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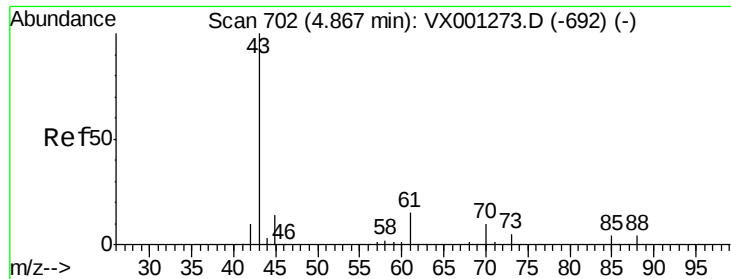
MMDadoda
5/2/2018 4:20:53 PM



#36
1,1-Dichloropropene
Concen: 150.33 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	450500		
110	37.7	18.9	56.9	
77	31.3	24.2	36.2	





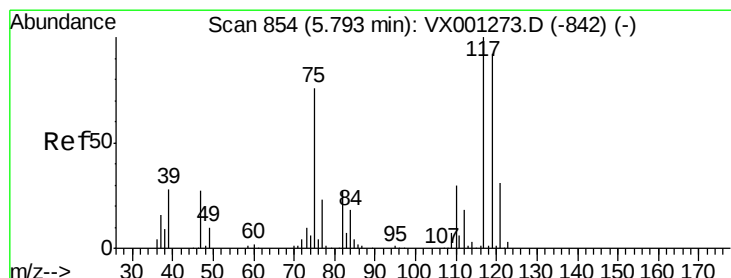
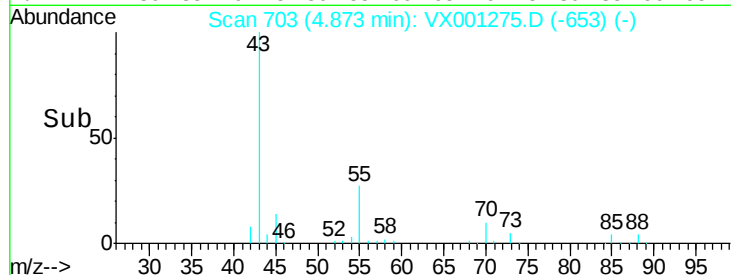
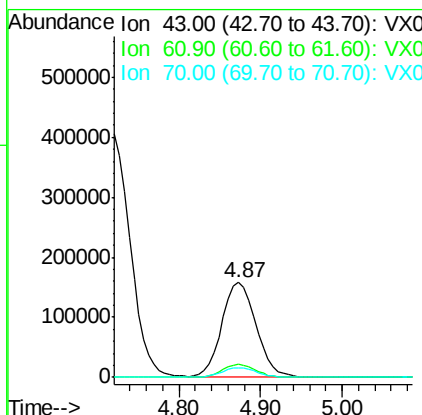
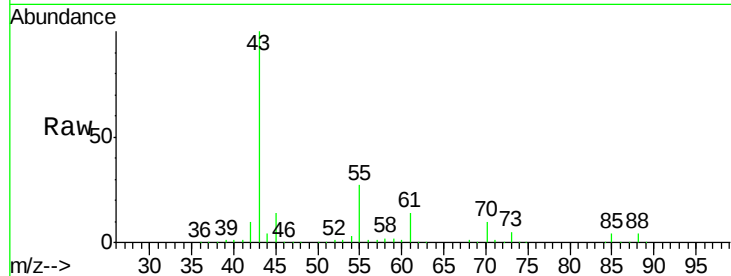
#37
Ethyl Acetate
Concen: 131.67 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.2	8.0	12.0

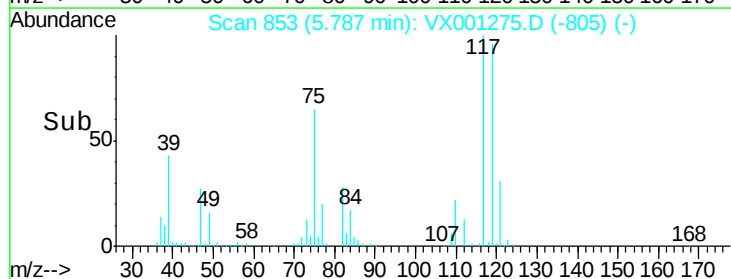
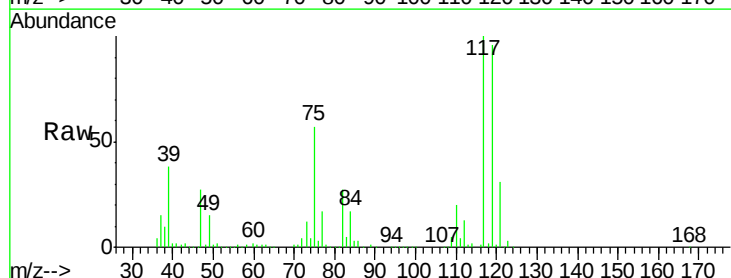
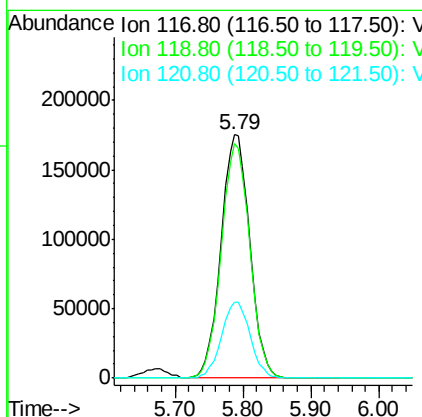
Manual Integrations
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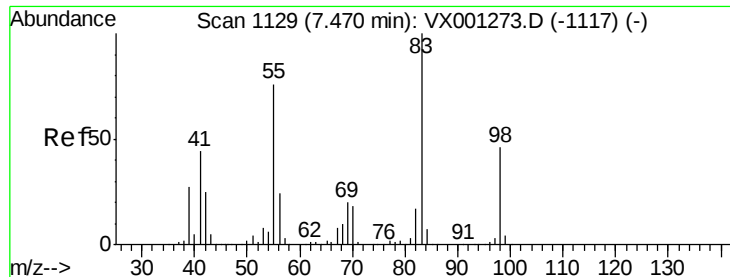
MMDadoda
5/2/2018 4:20:53 PM



#38
Carbon Tetrachloride
Concen: 166.13 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	73.4	110.2
121	31.2	25.0	37.4





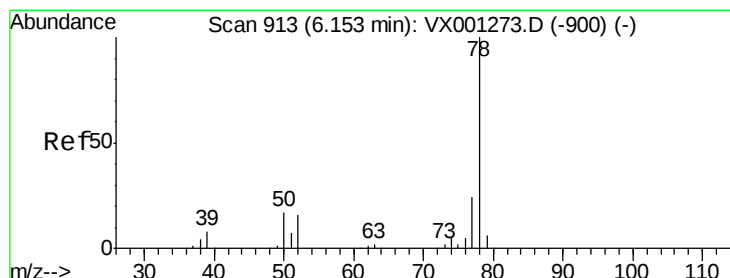
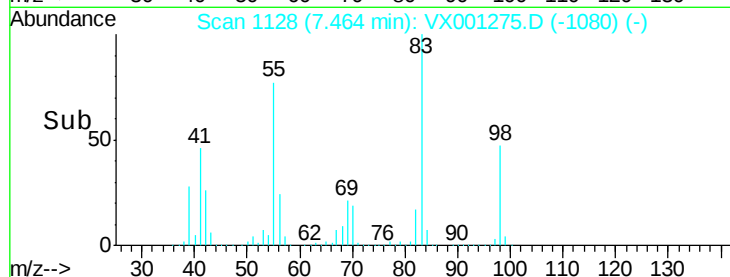
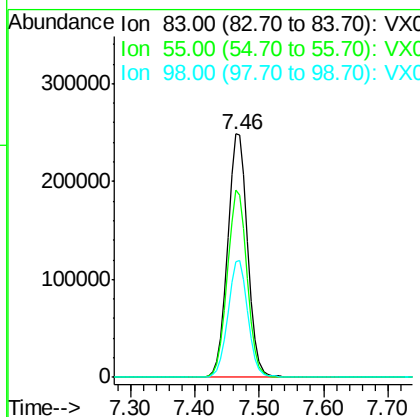
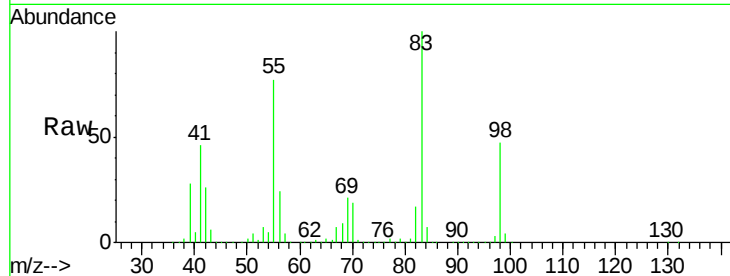
#39
Methvlcvclohexane
Concen: 162.35 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	545739		
55	76.9		60.4	90.6
98	47.5		37.0	55.6

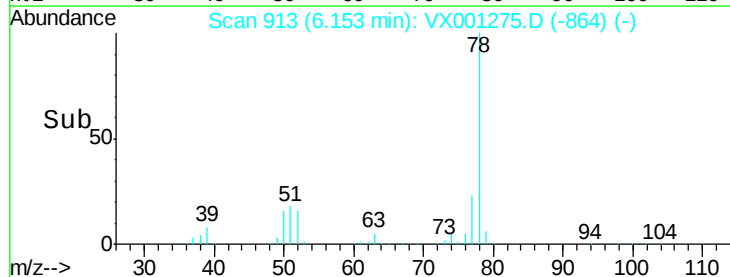
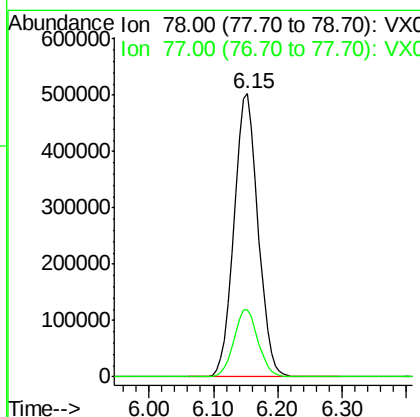
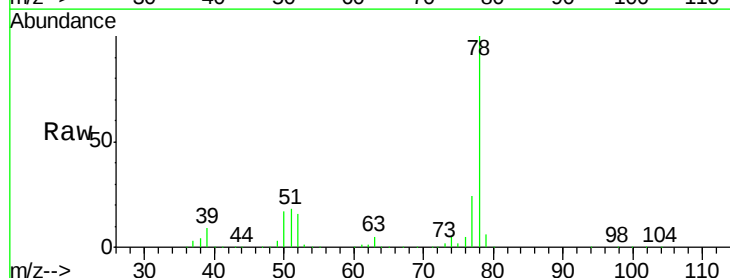
Manual Integrations
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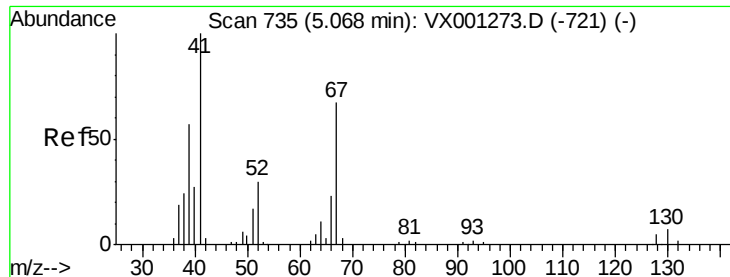
MMDadoda
5/2/2018 4:20:53 PM



#40
Benzene
Concen: 151.15 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1304667		
77	23.8		19.0	28.4





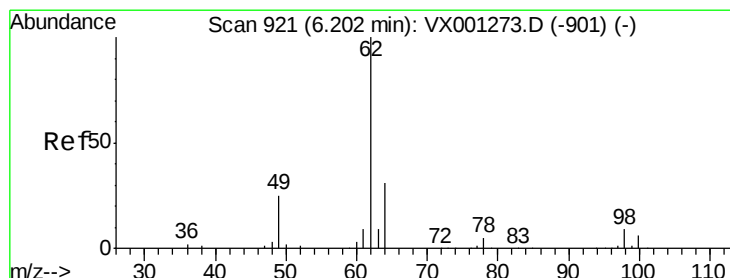
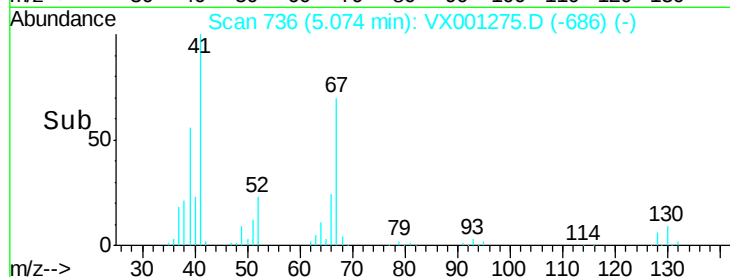
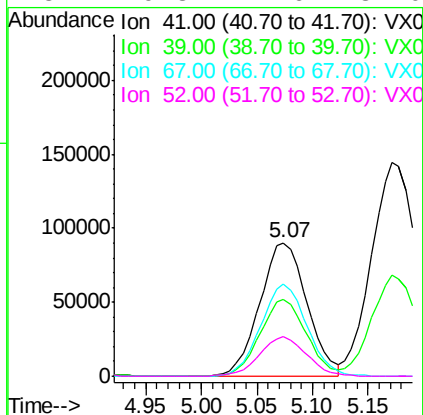
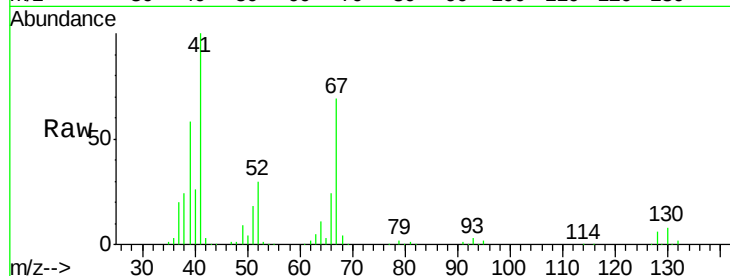
#41
Methacrylonitrile
Concen: 135.46 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		265873		
39	56.6	45.8	68.8		
67	68.1	54.8	82.2		
52	29.3	24.6	37.0		

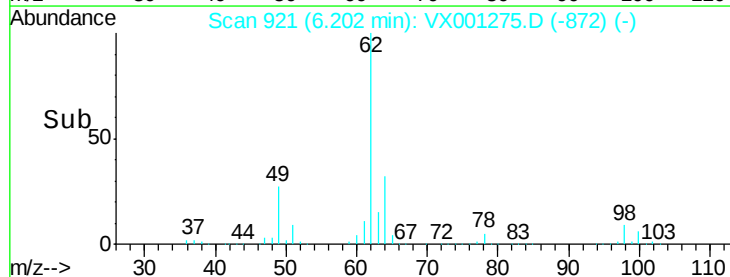
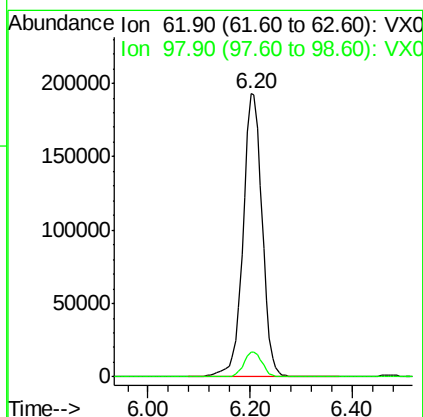
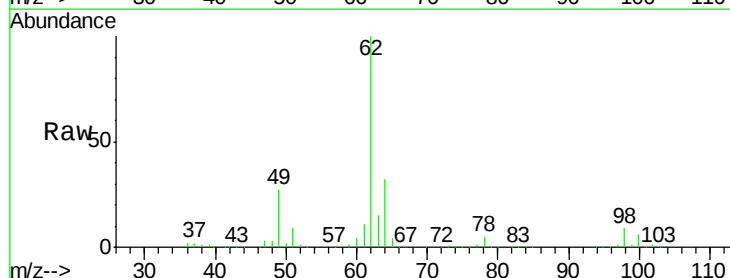
Manual Integrations
APPROVED

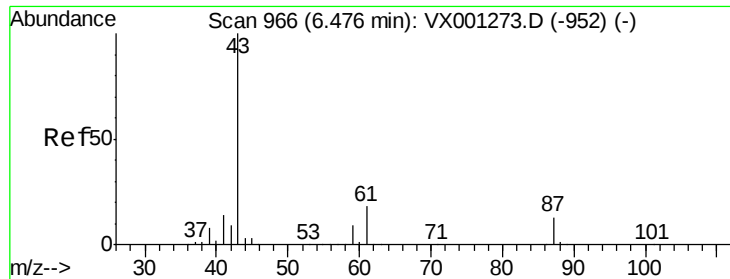
MMDadoda
5/2/2018 4:20:53 PM



#42
1,2-Dichloroethane
Concen: 145.13 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		499680		
98	8.4	0.0	17.2		





#43

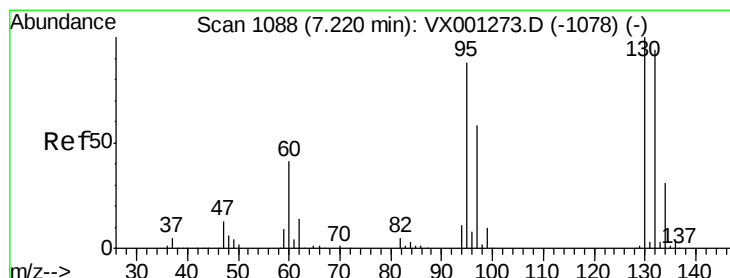
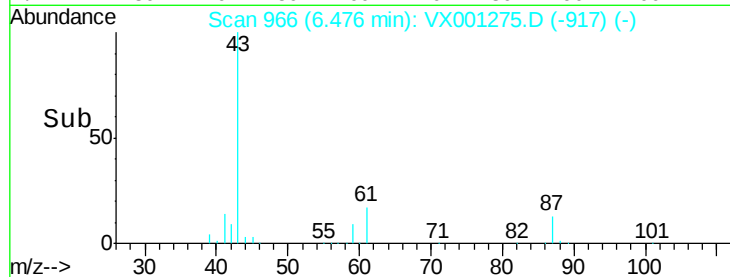
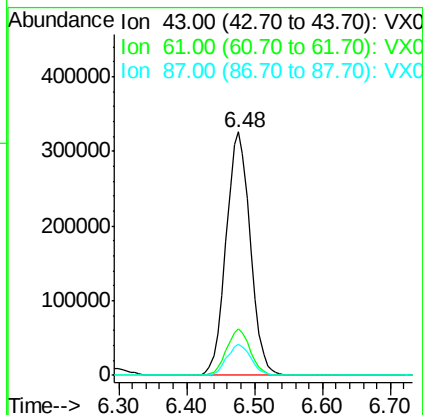
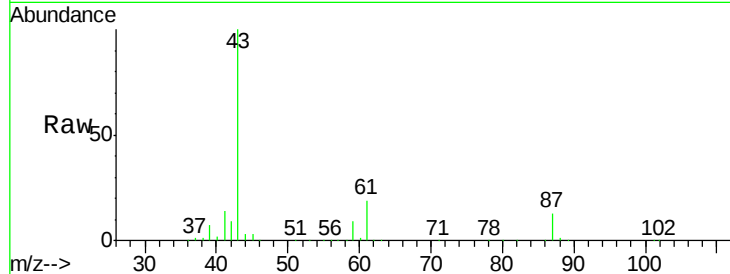
Isopropyl Acetate
 Concen: 144.62 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.4
87	12.9	10.2	15.4

Manual Integrations
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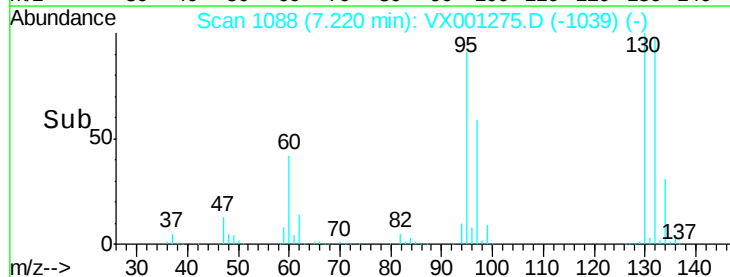
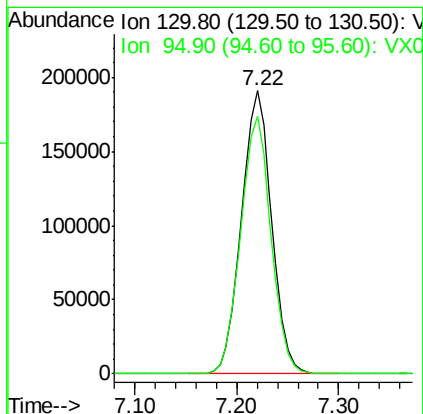
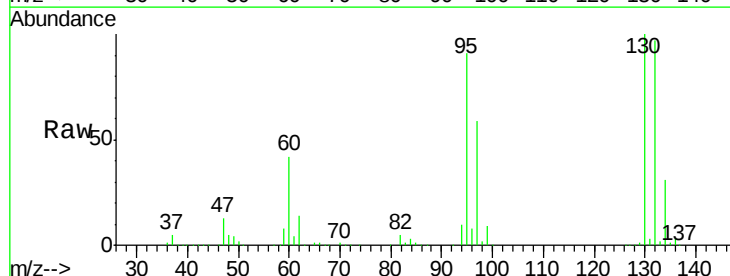
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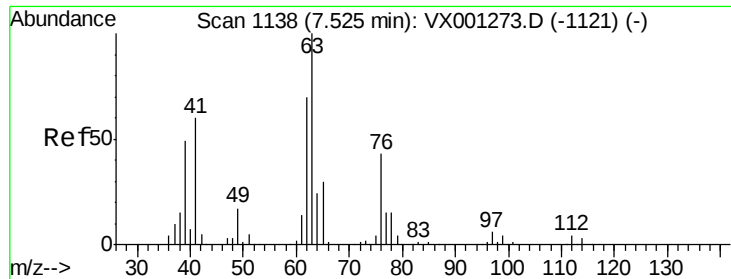


#44

Trichloroethene
 Concen: 152.17 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	176.0





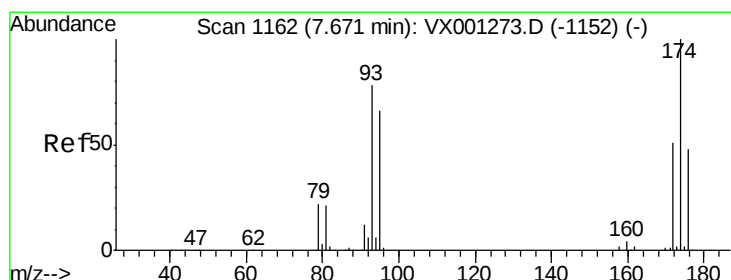
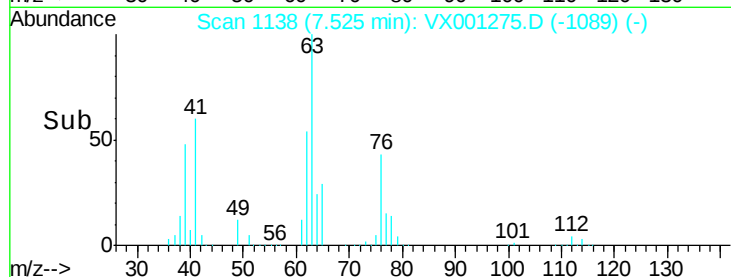
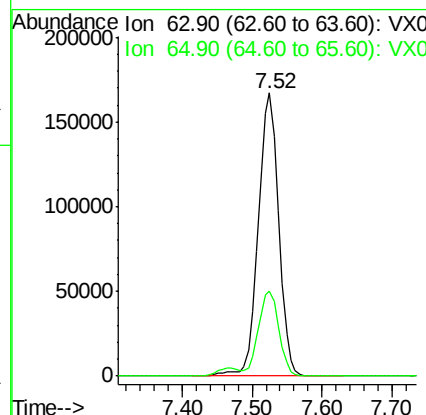
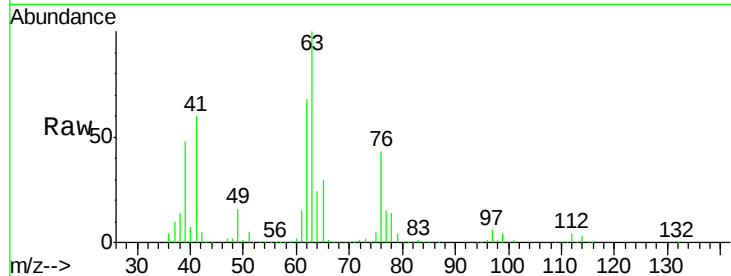
#45
 1,2-Dichloropropane
 Concen: 149.64 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	63	Resp	338143
Ion Ratio	Lower	Upper	
63	100		
65	30.0	24.2	36.4

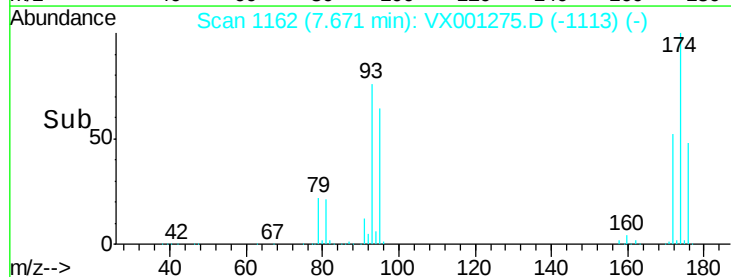
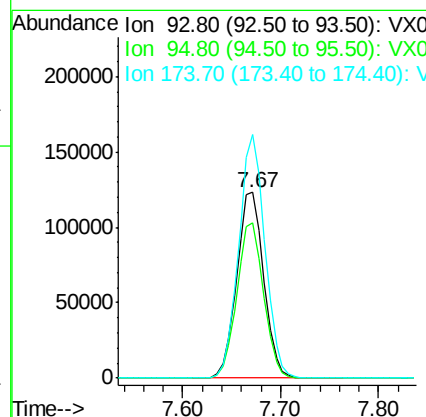
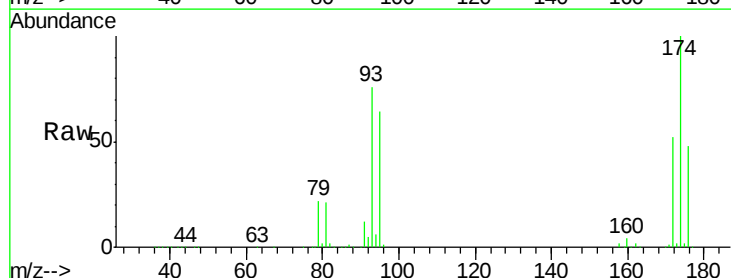
Manual Integrations
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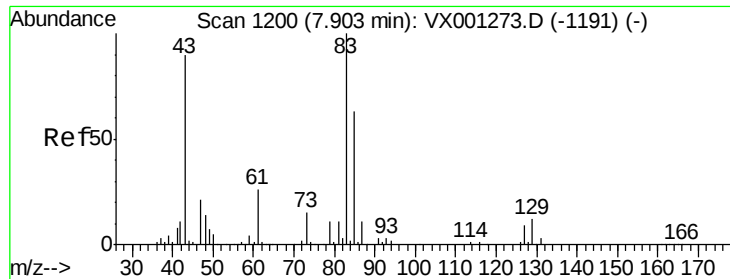
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#46
 Dibromomethane
 Concen: 150.94 ug/l
 RT: 7.67 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Tgt Ion	93	Resp	236044
Ion Ratio	Lower	Upper	
93	100		
95	83.2	67.0	100.6
174	127.0	102.3	153.5





#47

Bromodichloromethane

Concen: 166.59 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

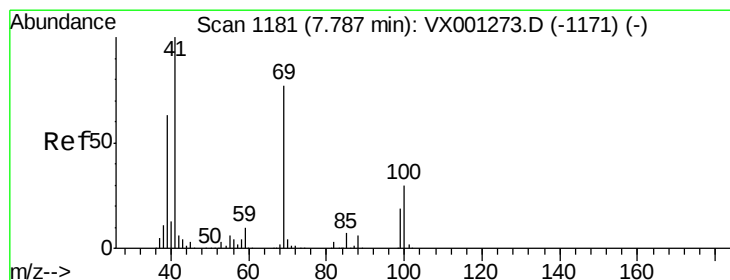
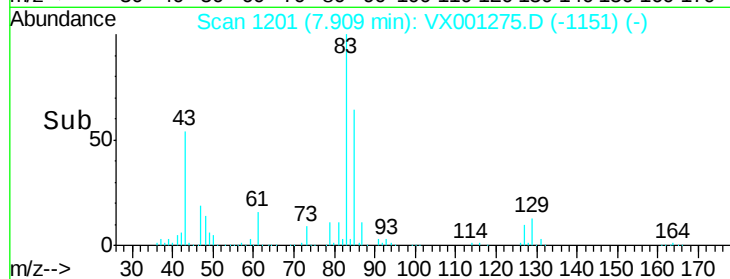
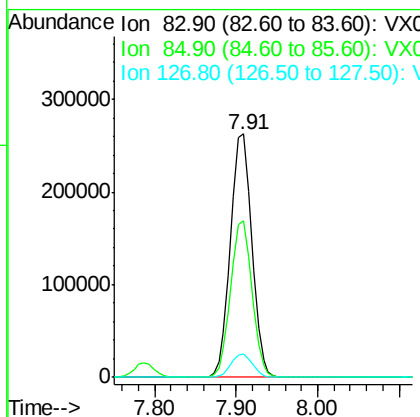
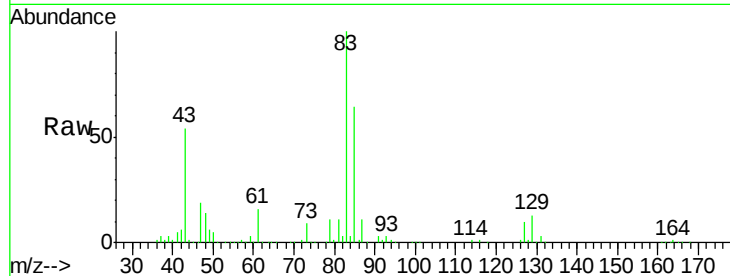
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	473843
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.3	75.5
127	9.6	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 145.44 ug/l

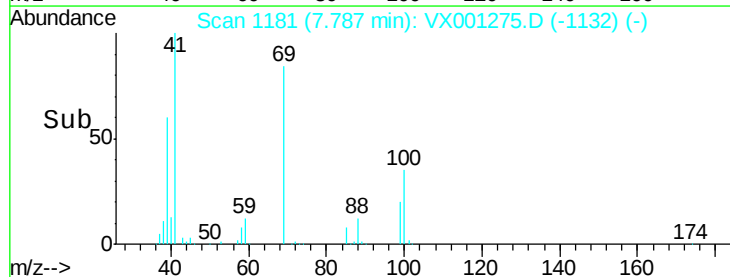
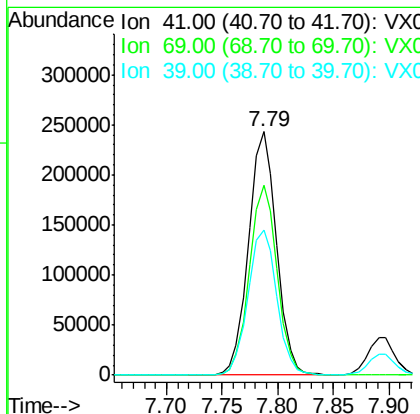
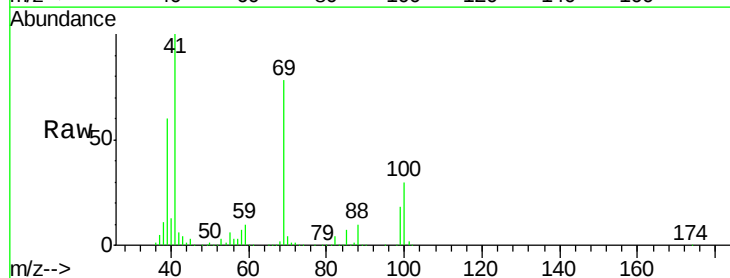
RT: 7.79 min Scan# 1181

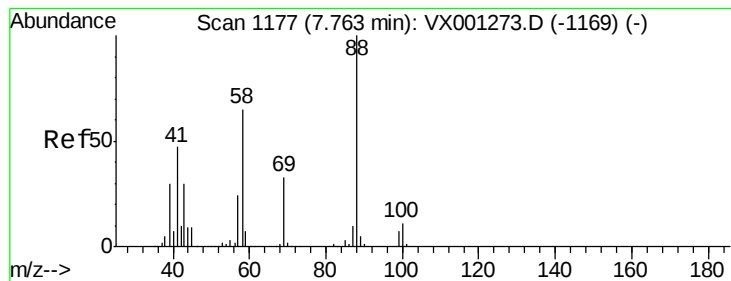
Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Tgt Ion:	41	Resp:	425719
Ion	Ratio	Lower	Upper
41	100		
69	77.6	63.0	94.6
39	61.3	50.2	75.4





#49

1,4-Dioxane

Concen: 2545.52 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

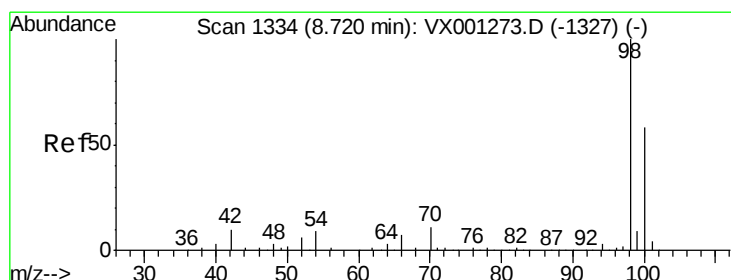
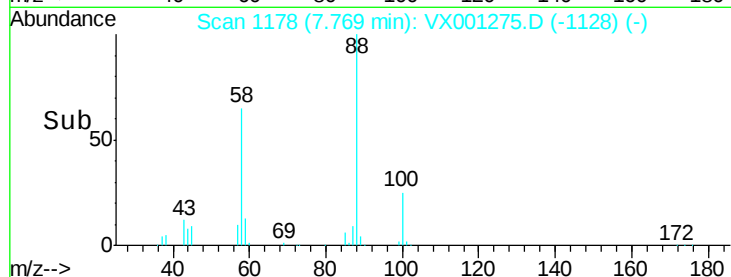
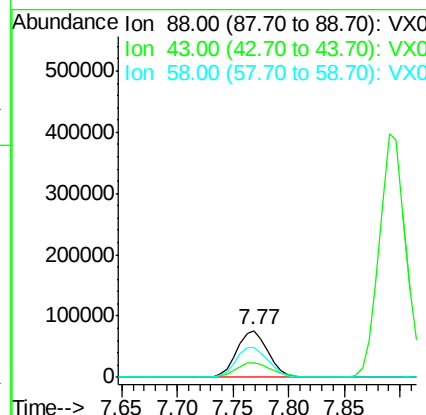
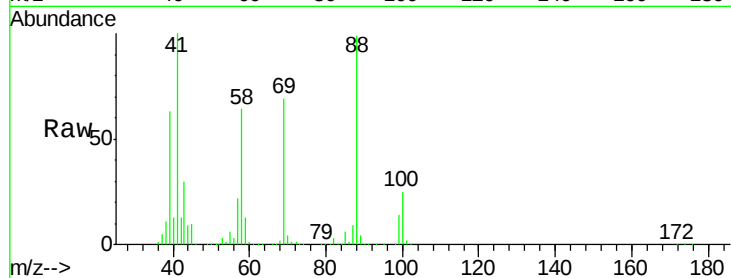
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	147444
Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.9	41.9
58	67.6	54.2	81.2

Manual Integrations
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#50

Toluene-d8

Concen: 160.06 ug/l

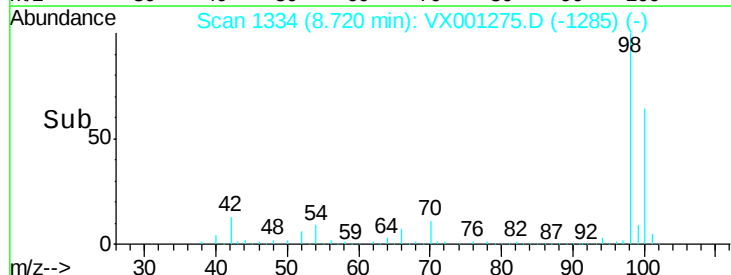
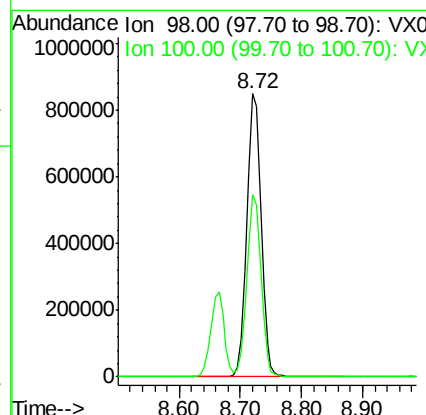
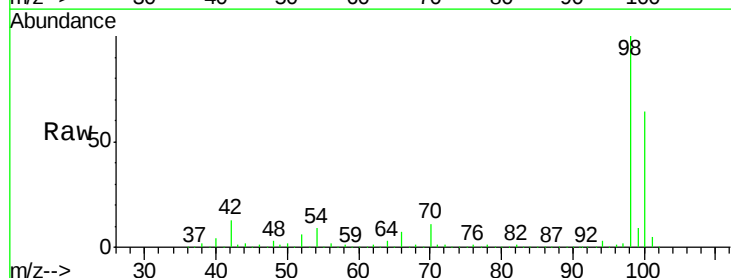
RT: 8.72 min Scan# 1334

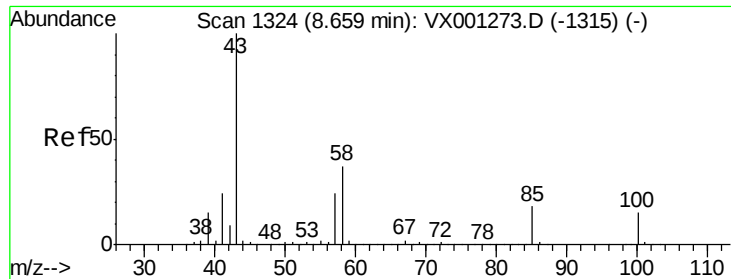
Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Tgt Ion:	98	Resp:	1357089
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 726.79 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2625996

Ion Ratio Lower Upper

43 100

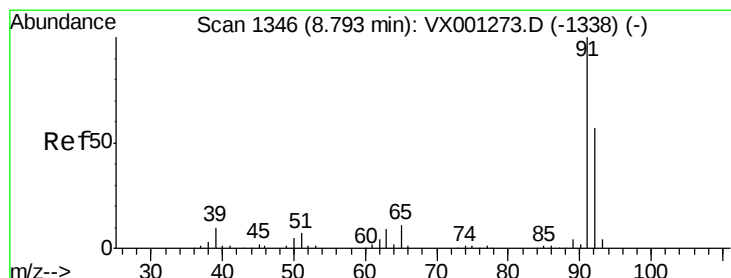
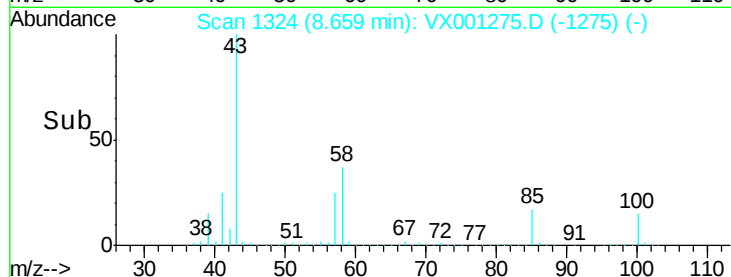
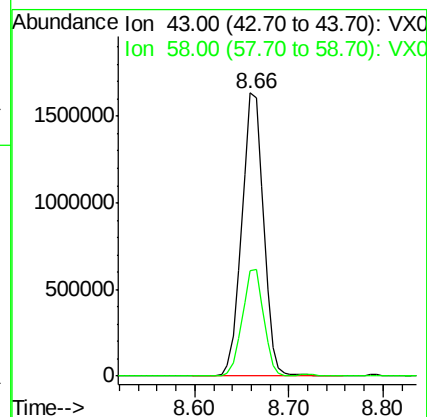
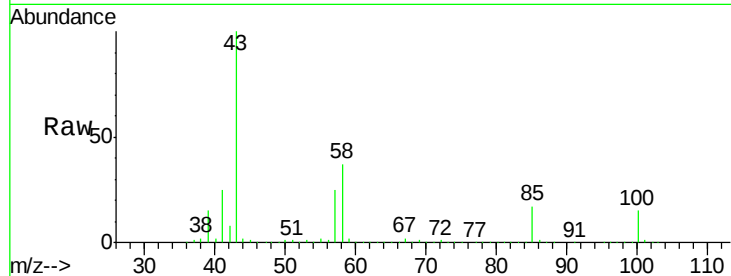
58 37.3 29.0 43.6

Manual Integrations

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#52

Toluene

Concen: 158.74 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001275.D

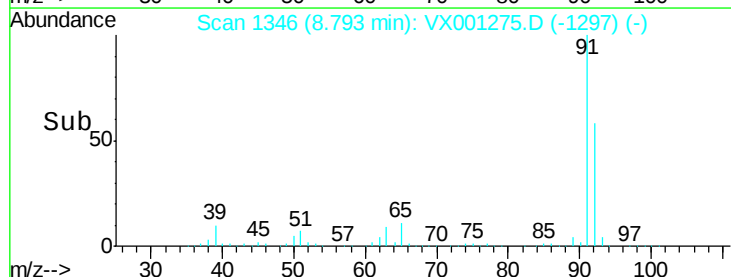
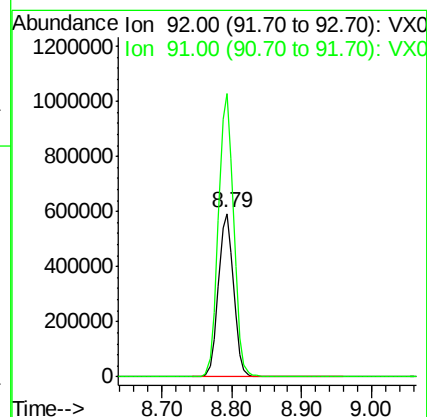
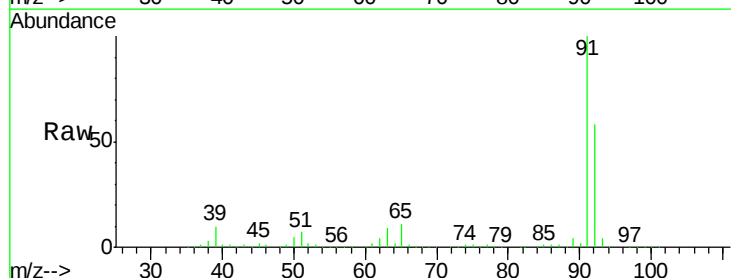
Acq: 01 May 2018 13:11

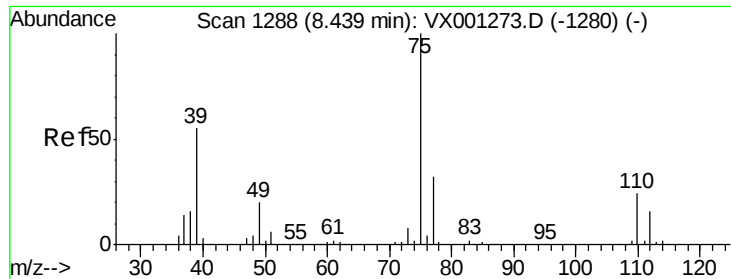
Tgt Ion: 92 Resp: 897366

Ion Ratio Lower Upper

92 100

91 174.1 139.0 208.6





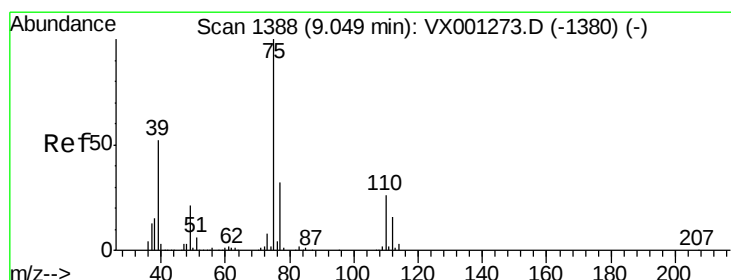
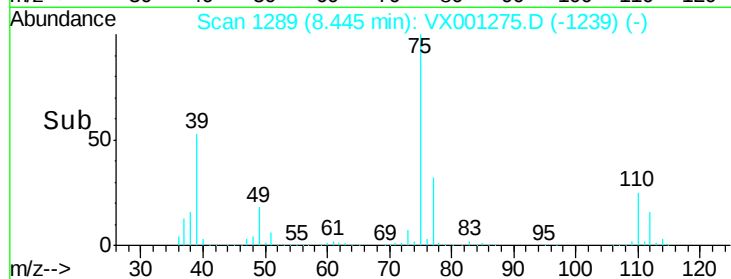
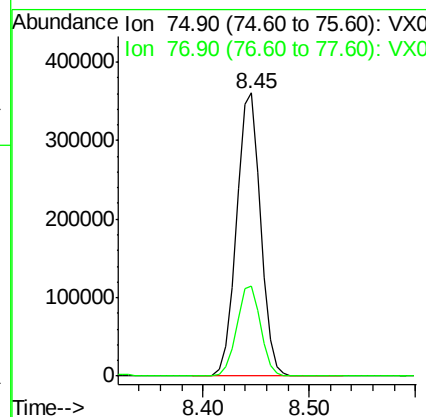
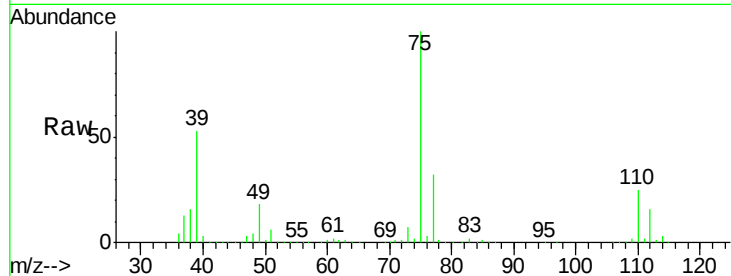
#53
t-1,3-Dichloropropene
Concen: 172.63 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 570087
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4

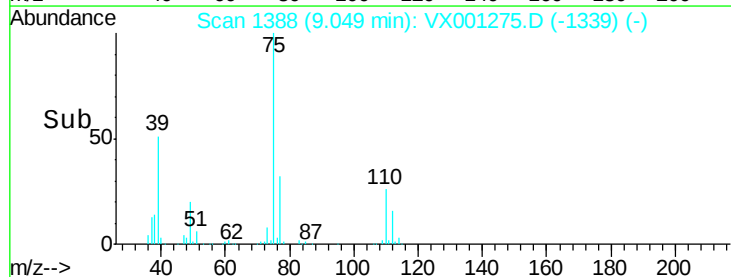
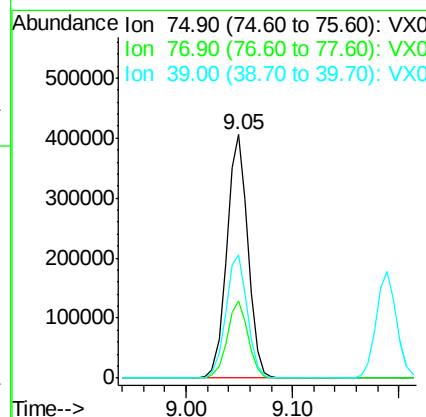
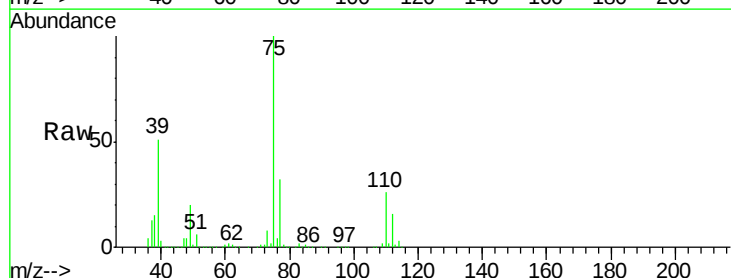
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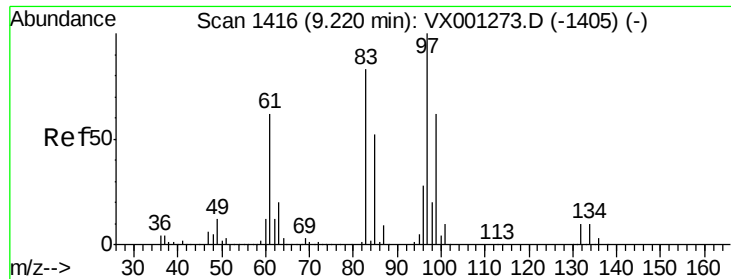
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#54
cis-1,3-Dichloropropene
Concen: 180.41 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion: 75 Resp: 558925
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 50.6 41.9 62.9





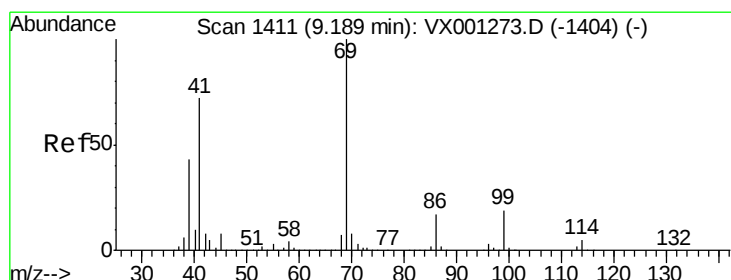
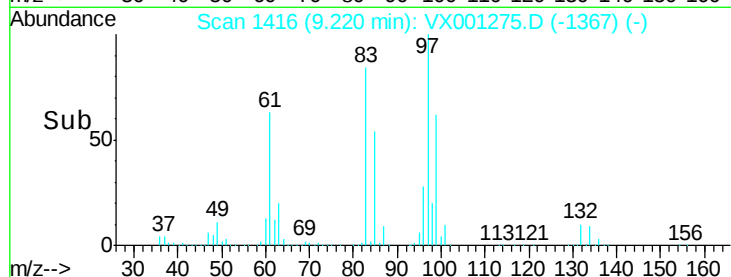
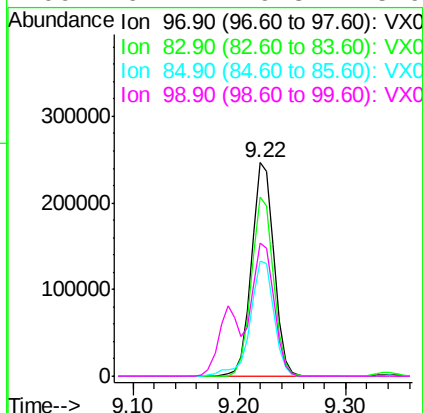
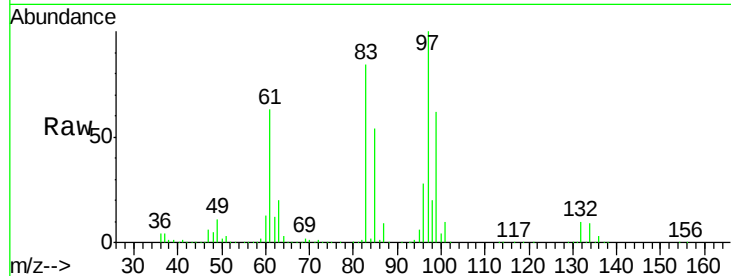
#55
 1,1,2-Trichloroethane
 Concen: 153.38 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	364744
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.4	99.6
85	53.9	41.6	62.4
99	62.4	49.3	73.9

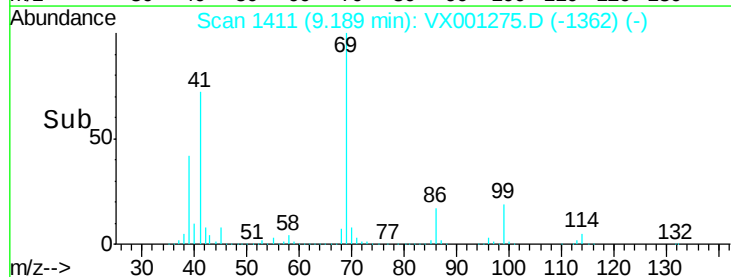
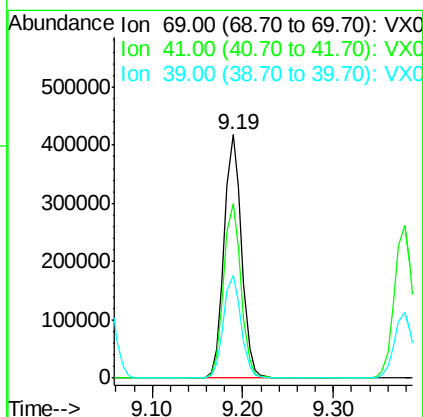
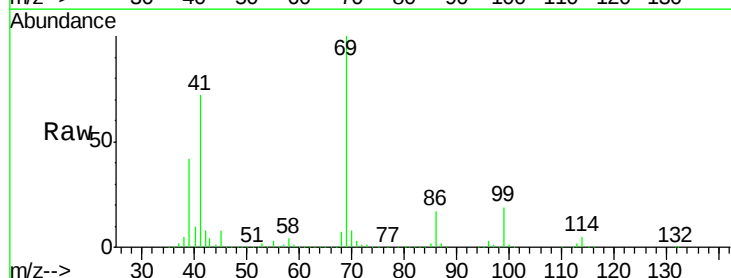
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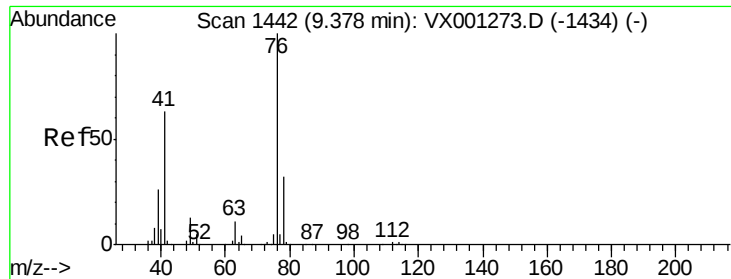
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#56
 Ethyl methacrylate
 Concen: 161.66 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Tgt Ion:	69	Resp:	563353
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.2	85.8
39	42.6	34.3	51.5





#57

1,3-Dichloropropane

Concen: 150.63 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 578154

Ion Ratio Lower Upper

76 100

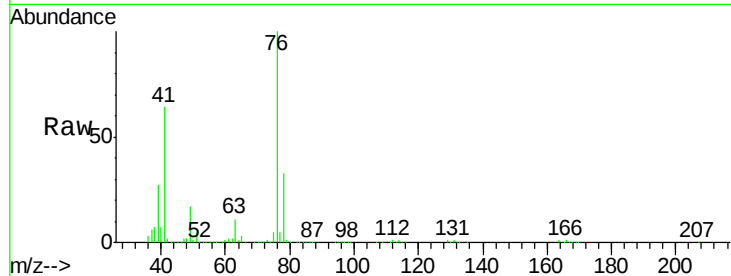
78 32.2 25.6 38.4

Manual Integrations

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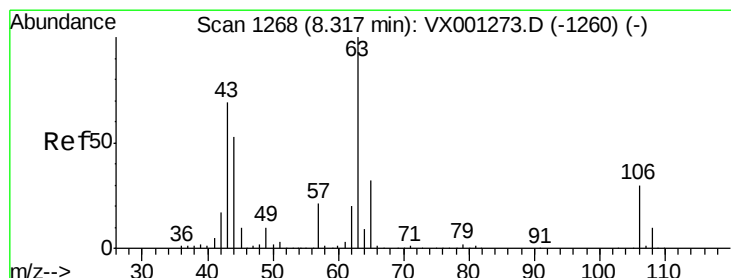
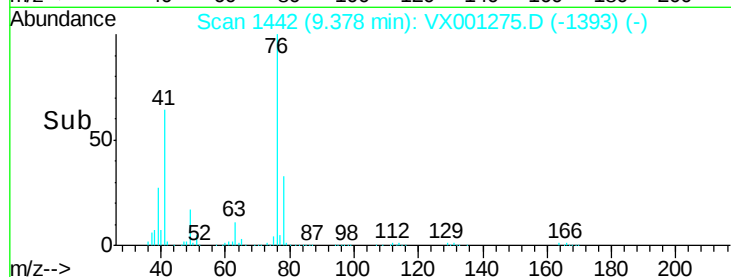
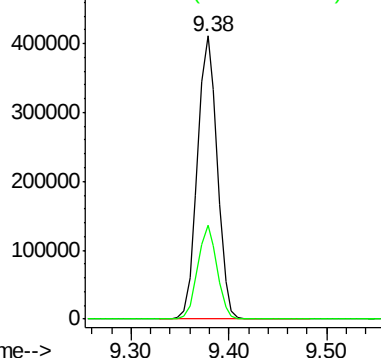
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 765.01 ug/l

RT: 8.32 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VX001275.D

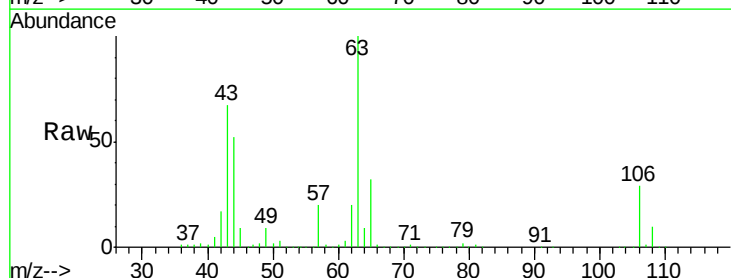
Acq: 01 May 2018 13:11

Tgt Ion: 63 Resp: 1269083

Ion Ratio Lower Upper

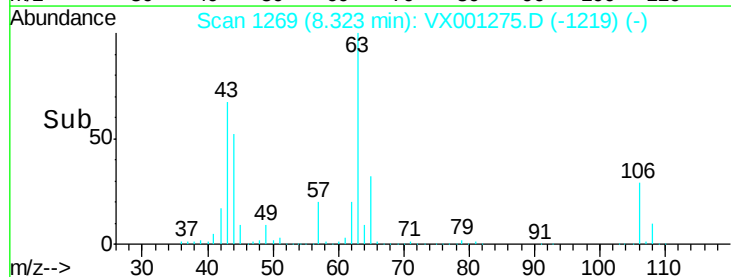
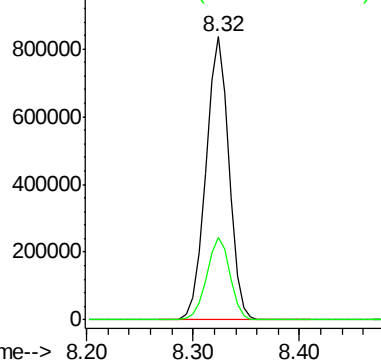
63 100

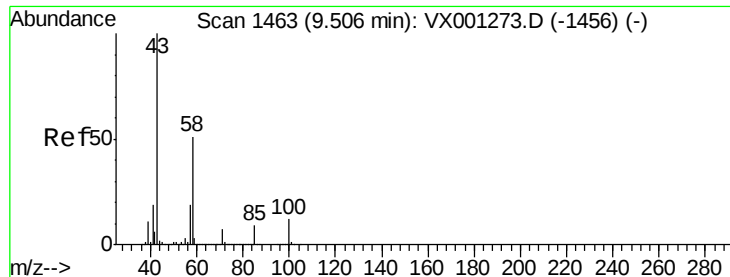
106 29.4 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





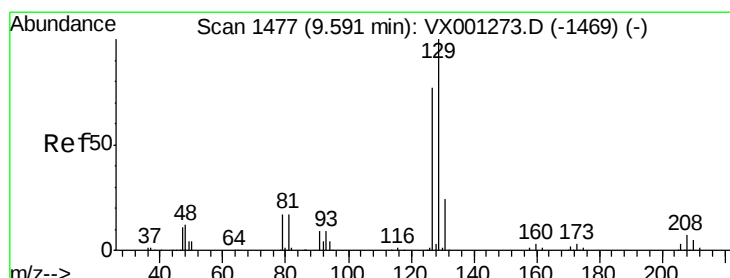
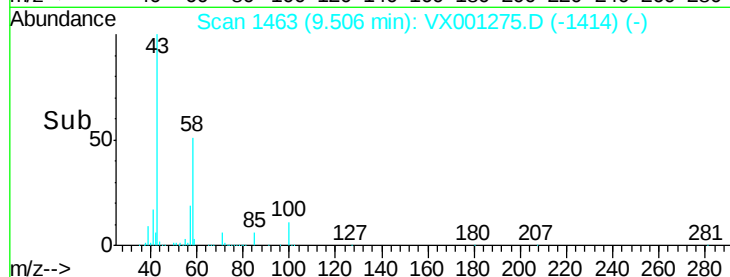
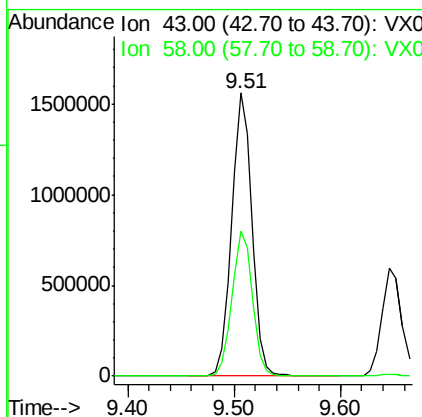
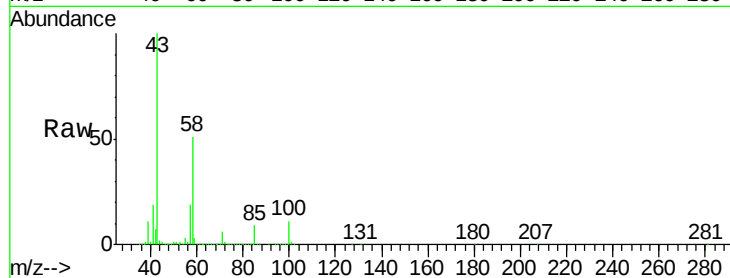
#59
2-Hexanone
Concen: 737.23 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2091152
Ion Ratio Lower Upper
43 100
58 51.7 25.7 77.0

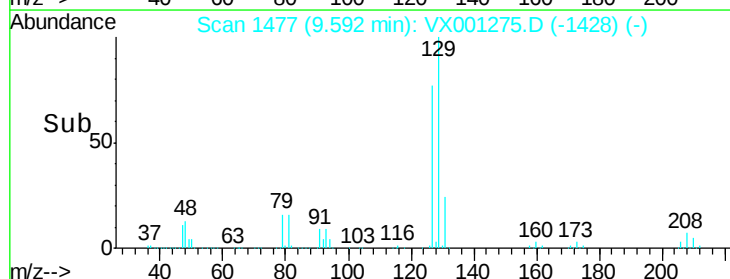
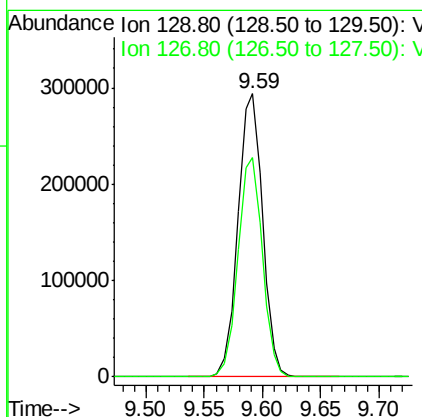
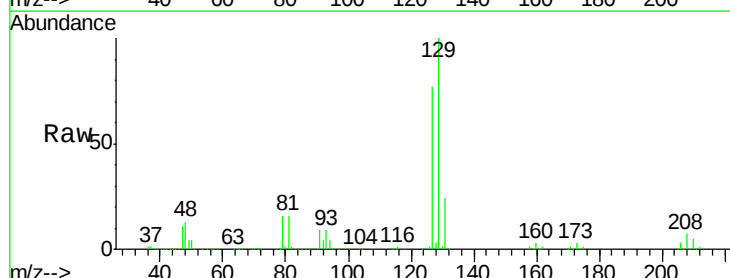
Manual Integrations
APPROVED

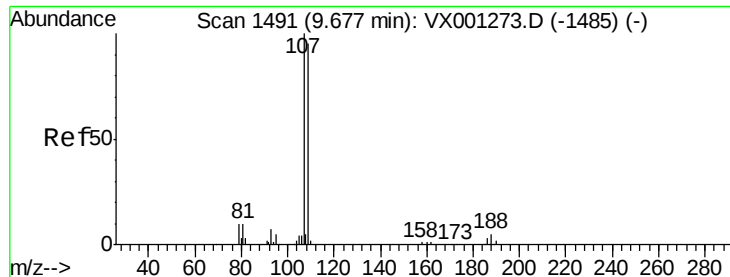
MMDadoda
5/2/2018 4:20:53 PM



#60
Dibromochloromethane
Concen: 180.64 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion: 129 Resp: 433890
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 157.67 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 391843

Ion Ratio Lower Upper

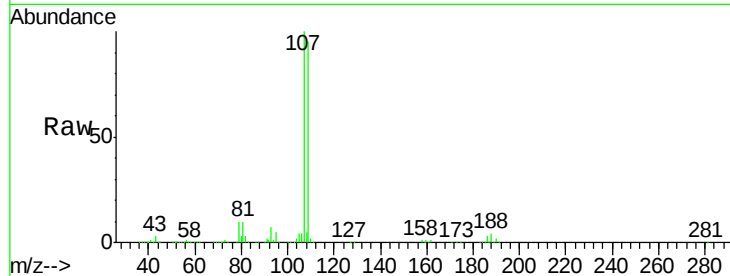
107 100

109 94.8 75.4 113.2

Manual Integrations
APPROVED

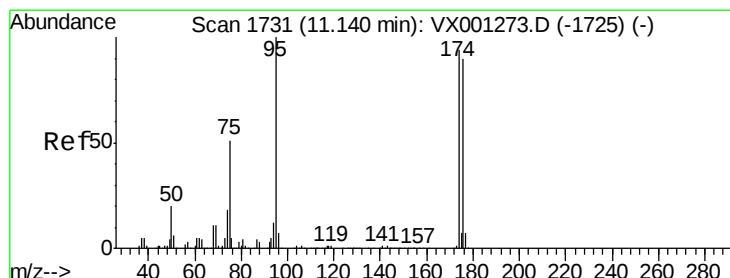
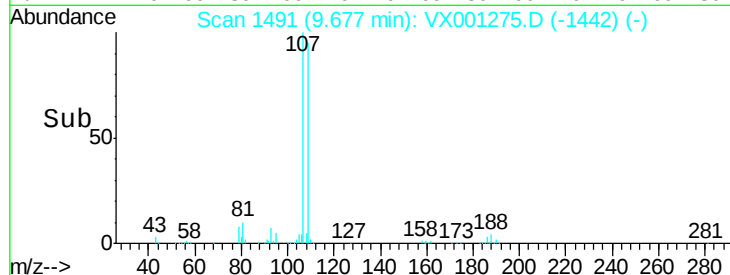
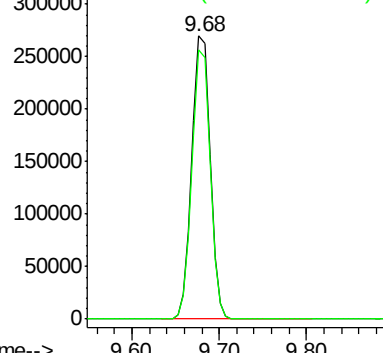
MMDadoda

5/2/2018 4:20:53 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 171.73 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

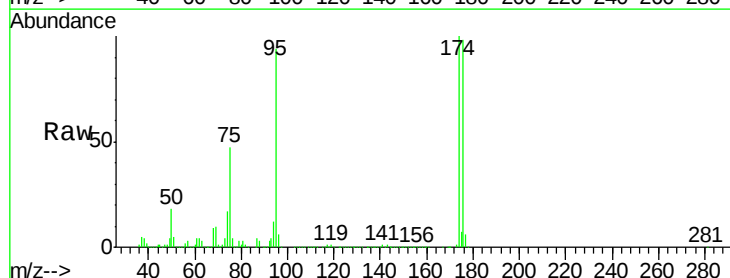
Tgt Ion: 95 Resp: 566428

Ion Ratio Lower Upper

95 100

174 100.8 0.0 201.8

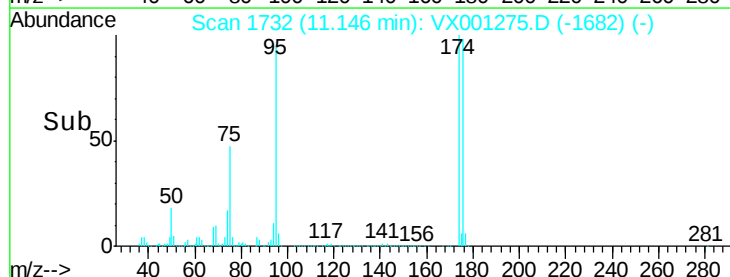
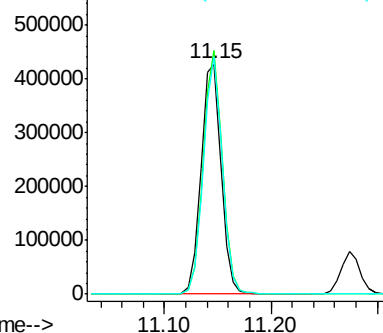
176 97.5 0.0 197.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





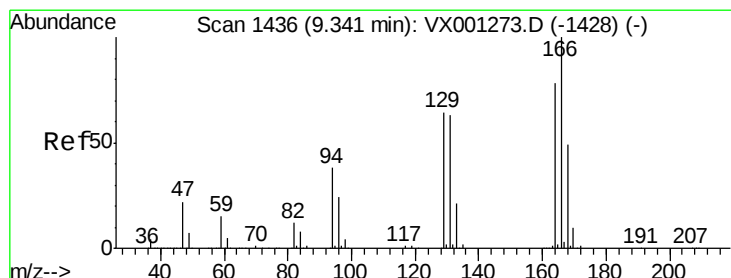
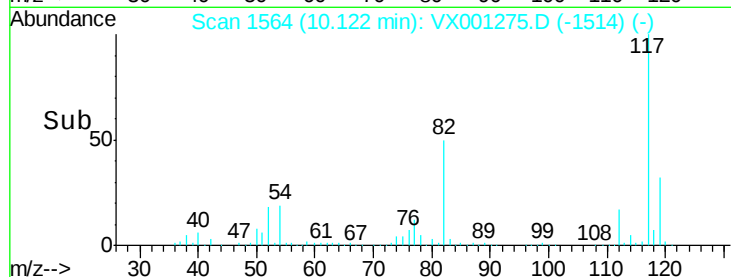
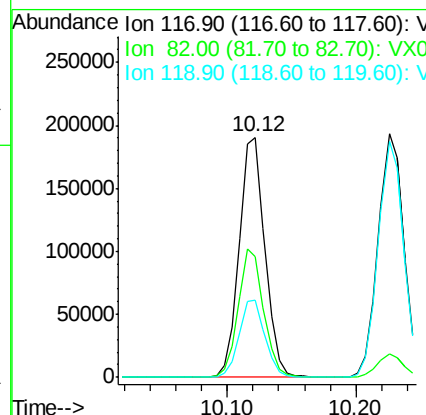
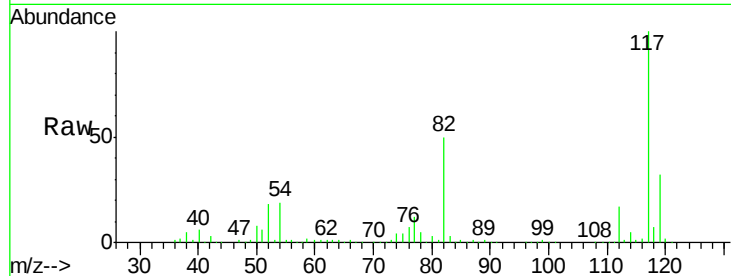
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	265585		
82	50.4	41.4	62.0	
119	32.3	25.5	38.3	

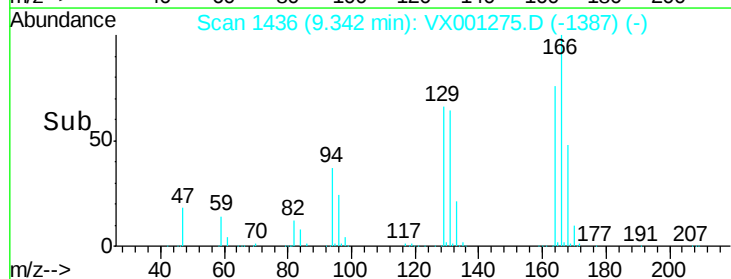
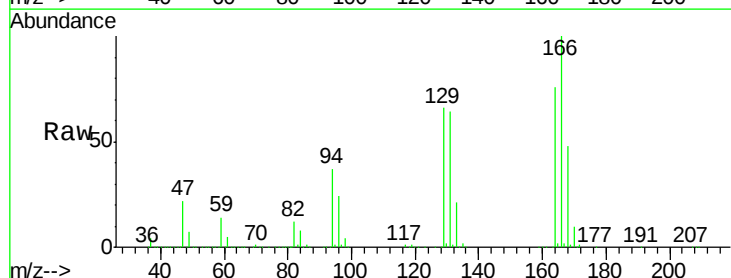
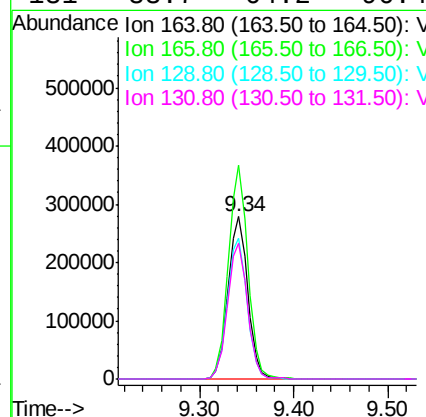
Manual Integrations
APPROVED

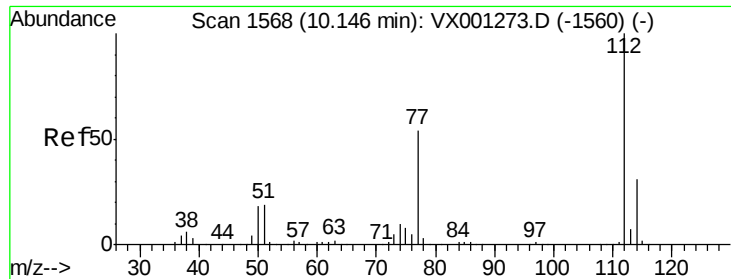
MMDadoda
5/2/2018 4:20:53 PM



#64
Tetrachloroethene
Concen: 140.00 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	406081		
166	131.7	102.3	153.5	
129	86.5	65.1	97.7	
131	83.7	64.2	96.4	





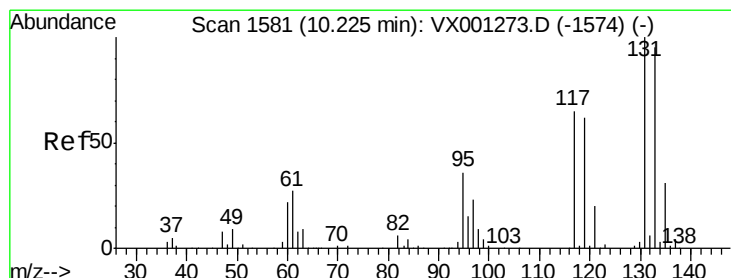
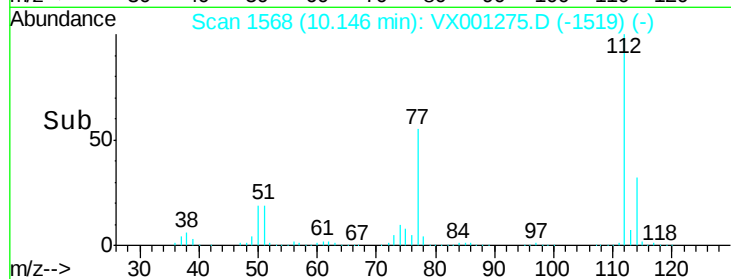
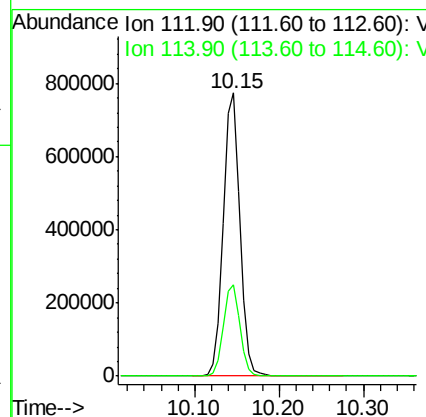
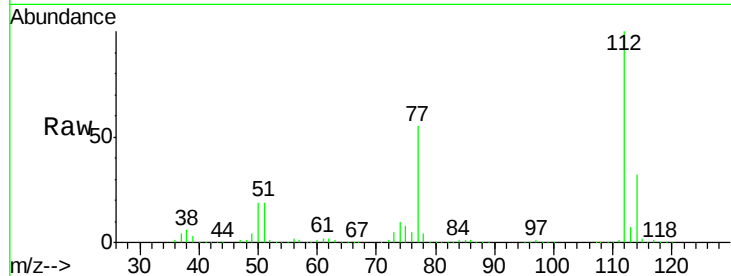
#65
Chlorobenzene
Concen: 151.78 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1060925
Ion Ratio Lower Upper
112 100
114 32.2 24.8 37.2

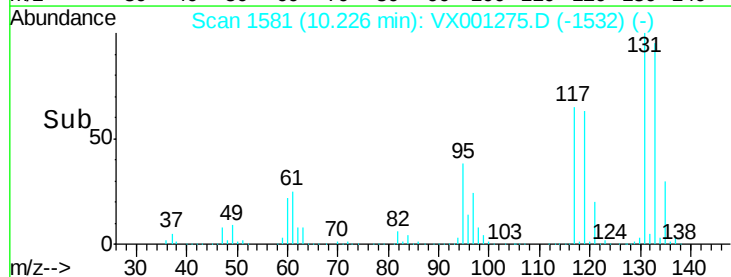
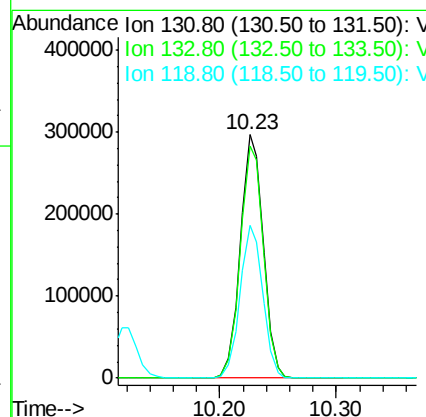
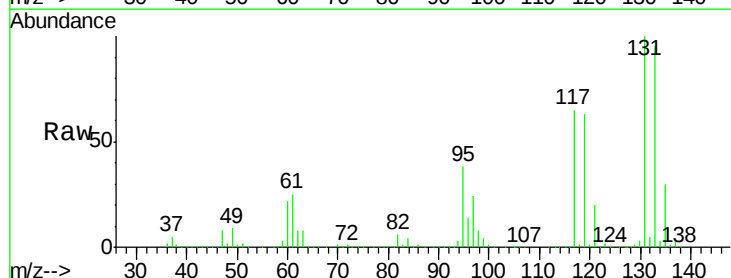
Manual Integrations
APPROVED

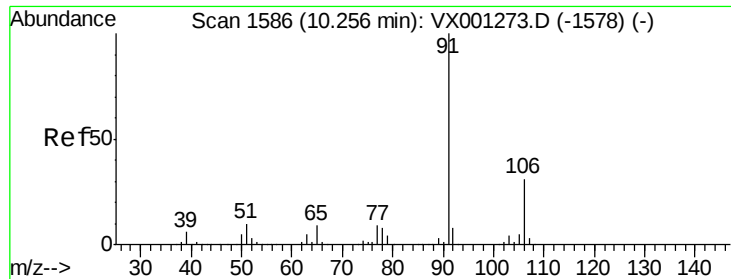
MMDadoda
5/2/2018 4:20:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 168.06 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion:131 Resp: 406356
Ion Ratio Lower Upper
131 100
133 96.2 48.3 144.9
119 62.6 31.2 93.6





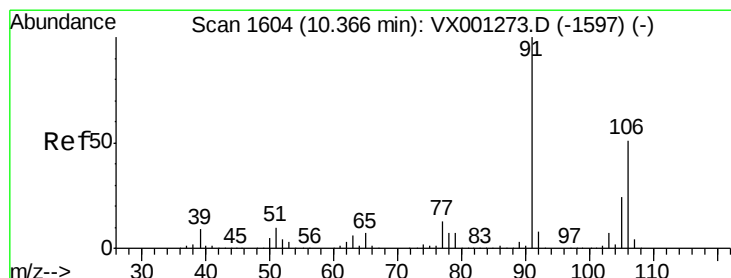
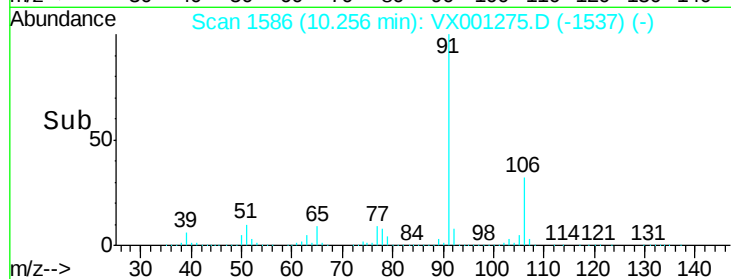
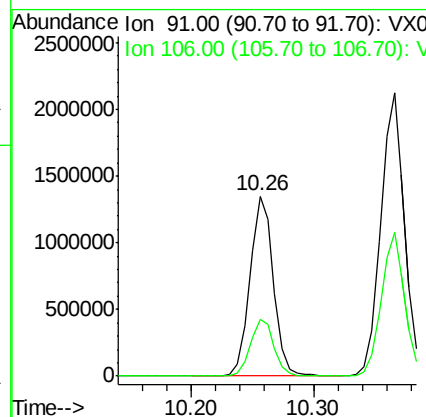
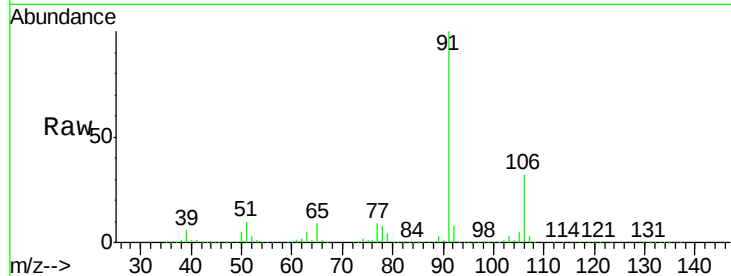
#67
Ethyl Benzene
Concen: 156.64 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1788536
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3

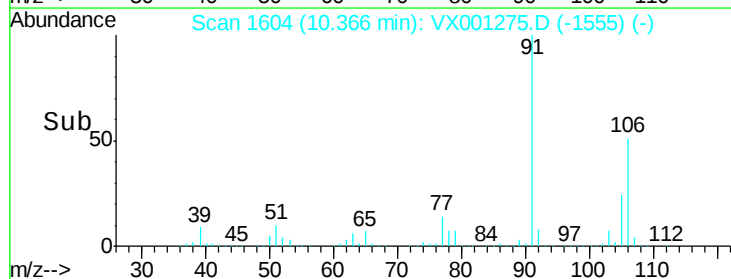
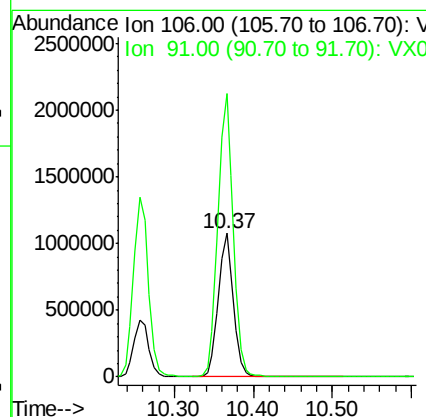
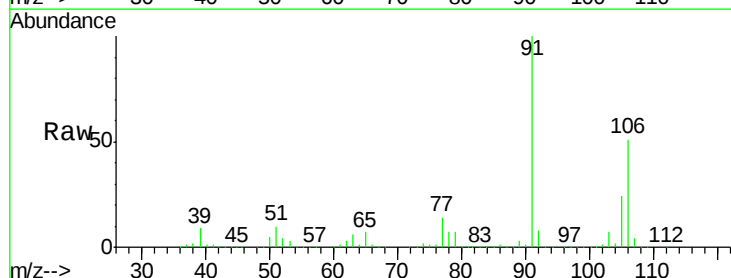
Manual Integrations
APPROVED

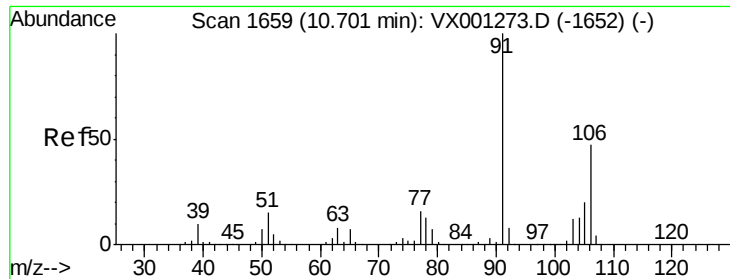
MMDadoda
5/2/2018 4:20:53 PM



#68
m/p-Xylenes
Concen: 318.81 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion: 106 Resp: 1439535
Ion Ratio Lower Upper
106 100
91 199.8 159.4 239.2





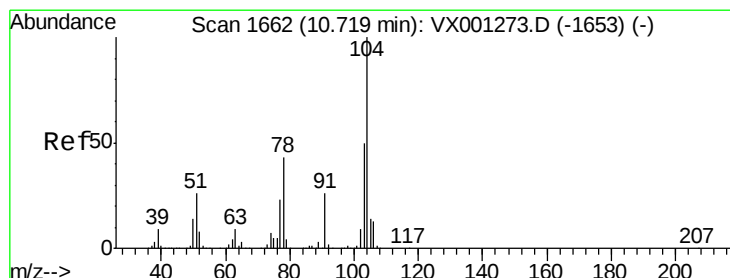
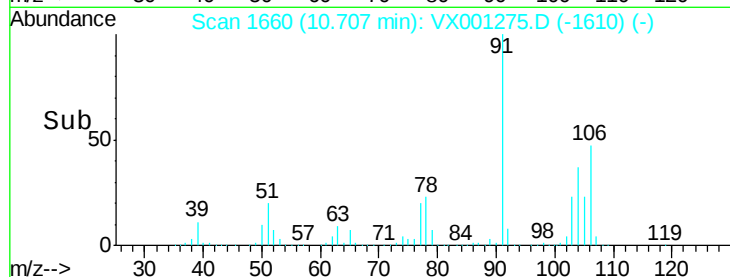
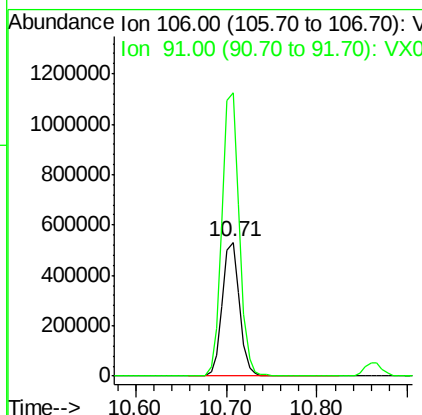
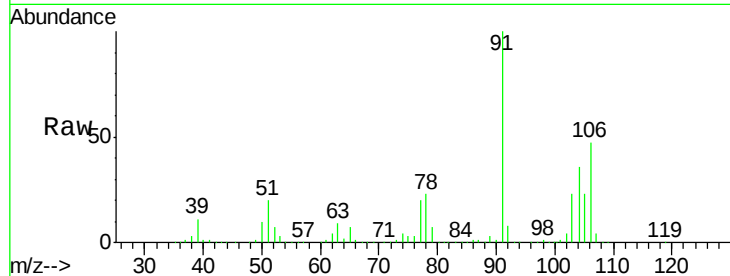
#69
o-Xylene
Concen: 161.77 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 705478
Ion Ratio Lower Upper
106 100
91 213.0 106.3 319.0

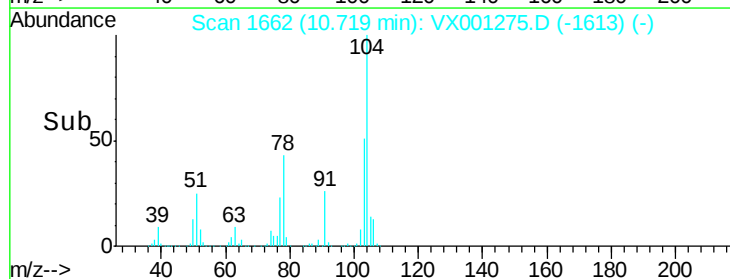
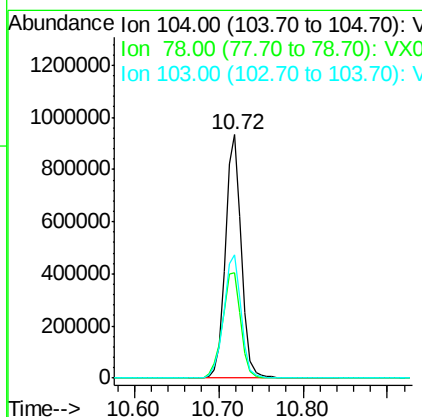
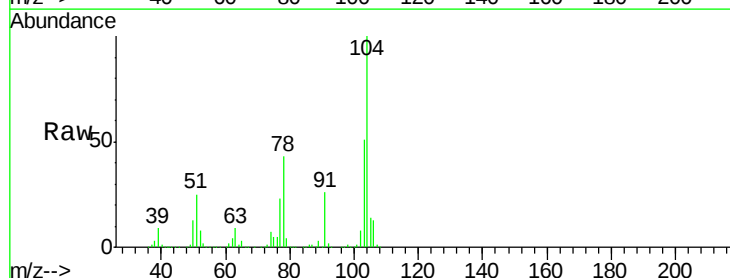
Manual Integrations
APPROVED

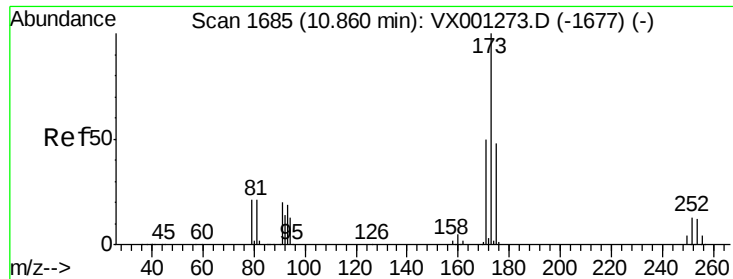
MMDadoda
5/2/2018 4:20:53 PM



#70
Styrene
Concen: 167.57 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion:104 Resp: 1214341
Ion Ratio Lower Upper
104 100
78 49.9 40.1 60.1
103 55.7 44.5 66.7





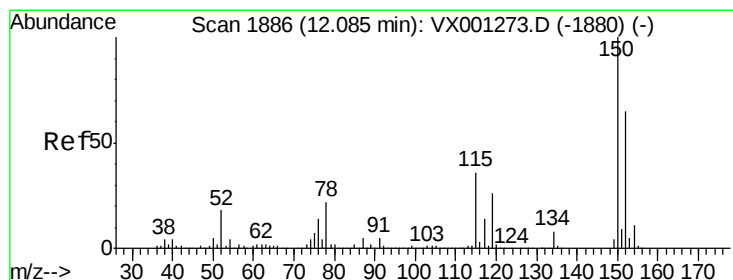
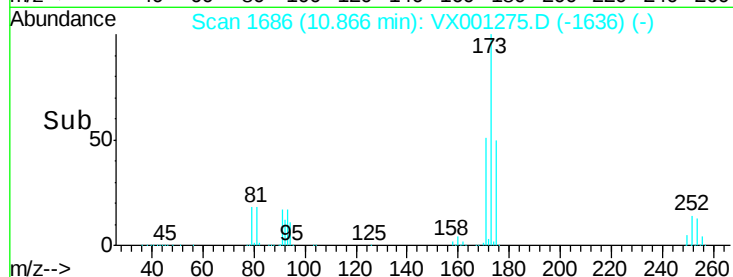
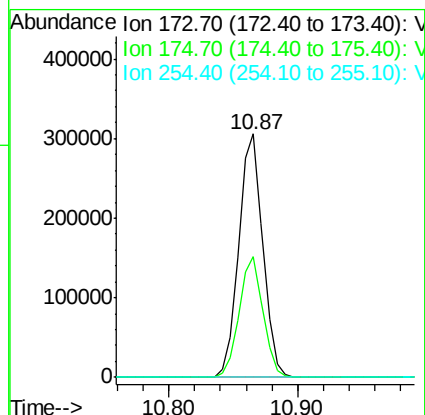
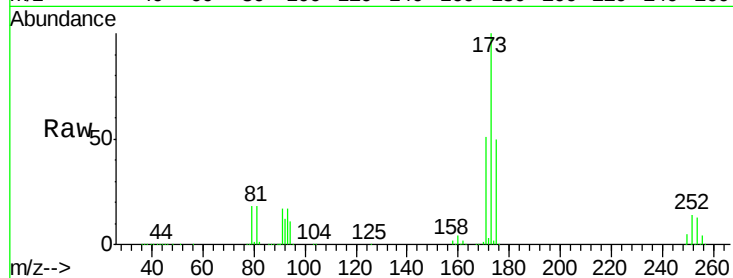
#71
Bromoform
Concen: 188.76 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	74.0
254	0.2	0.2	0.2

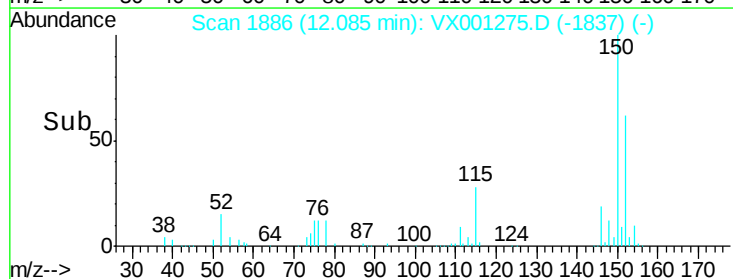
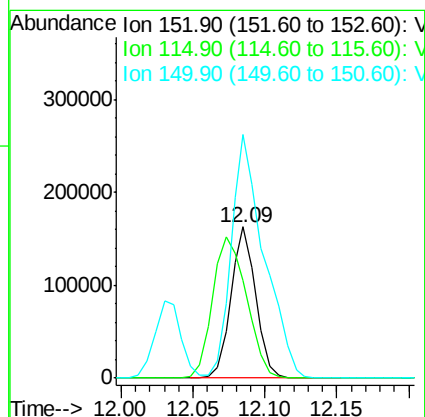
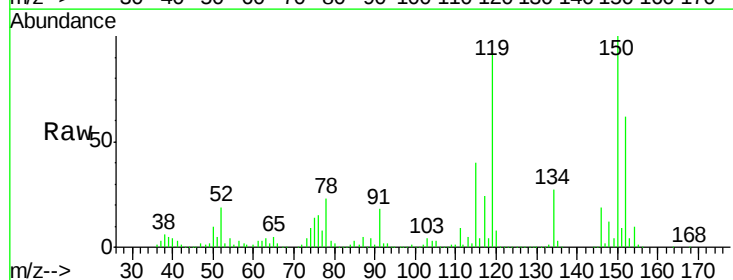
Manual Integrations
APPROVED

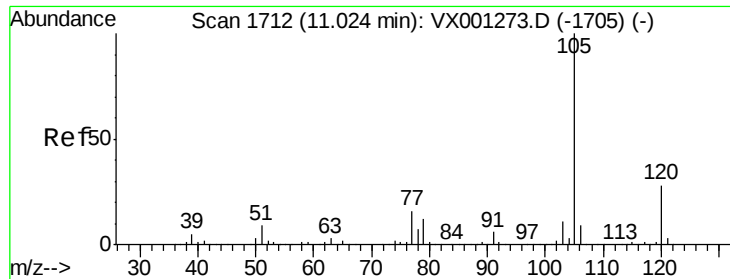
MMDadoda
5/2/2018 4:20:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	126.5	38.6	115.7#
150	211.7	0.0	349.2





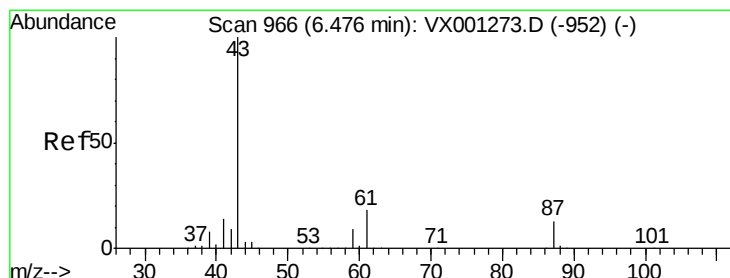
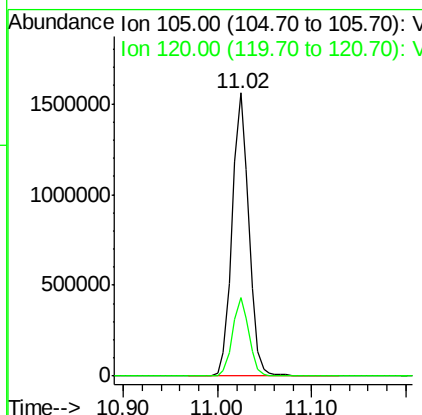
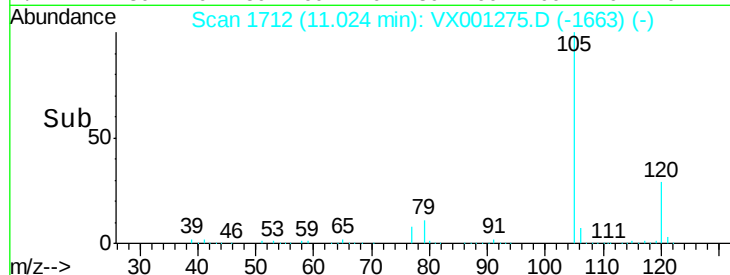
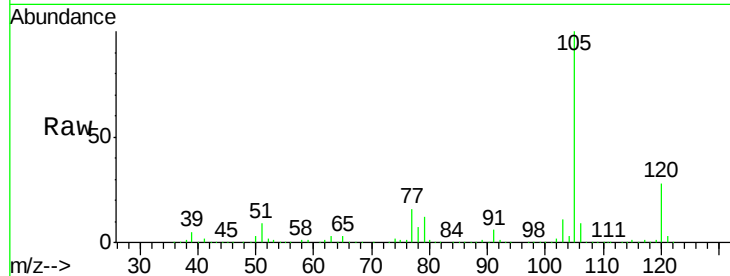
#73
Isopropylbenzene
Concen: 148.90 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:105 Resp: 1923675
Ion Ratio Lower Upper
105 100
120 27.3 13.7 41.1

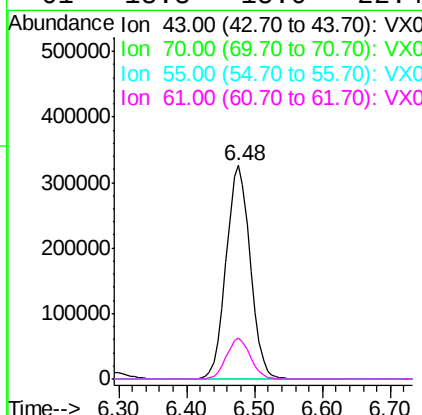
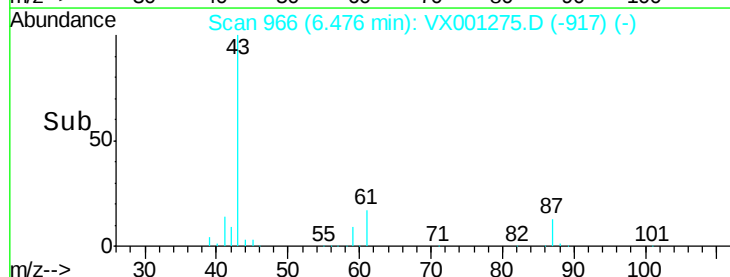
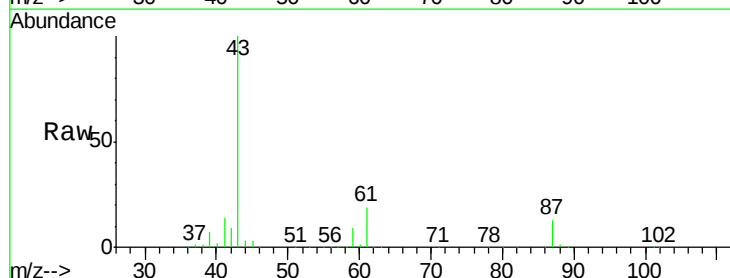
Manual Integrations
APPROVED

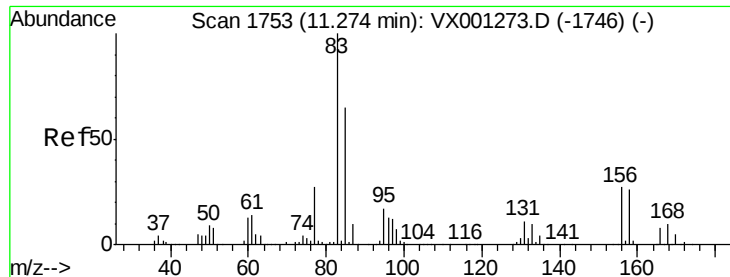
MMDadoda
5/2/2018 4:20:53 PM



#74
N-ethyl acetate
Concen: 125.45 ug/l
RT: 6.48 min Scan# 966
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion: 43 Resp: 797521
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.1 0.1 0.1
61 18.8 15.0 22.4





#75

1,1,2,2-Tetrachloroethane

Concen: 140.66 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

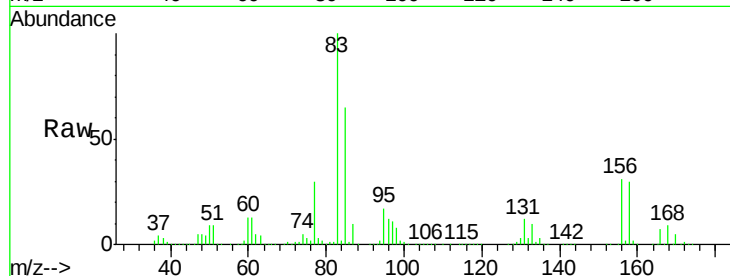
ClientSampleId :

VSTDIC150

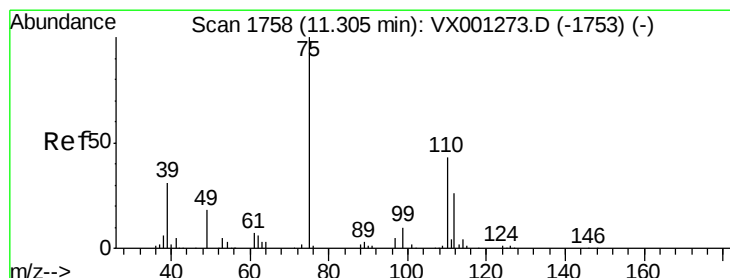
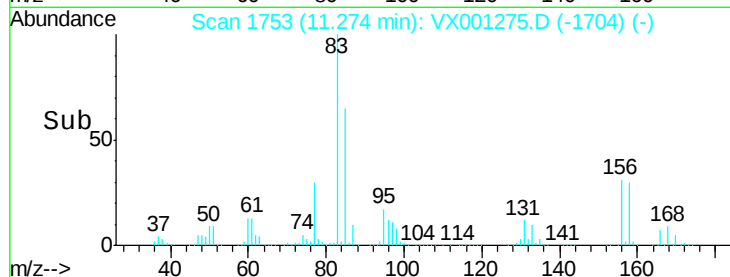
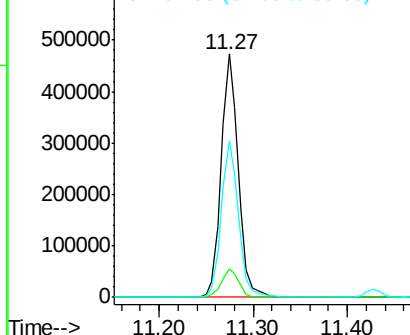
Tot Ion:	83	Resp:	593022
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.3
85	64.7	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
5/2/2018 4:20:53 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 136.71 ug/l m

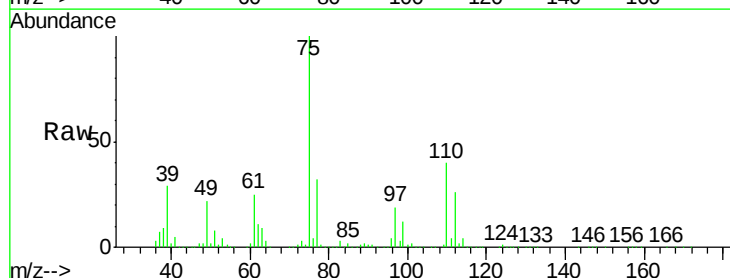
RT: 11.30 min Scan# 1758

Delta R.T. 0.00 min

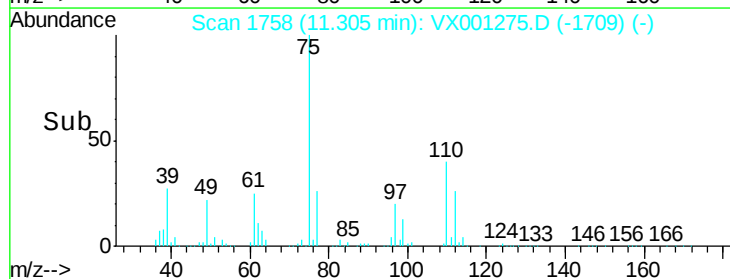
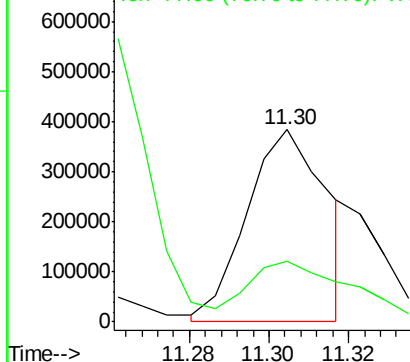
Lab File: VX001275.D

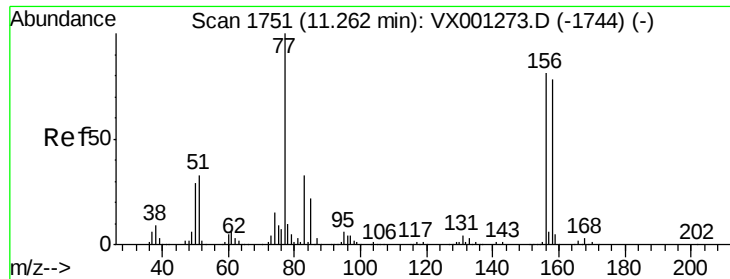
Acq: 01 May 2018 13:11

Tgt Ion:	75	Resp:	540444
Ion Ratio	Lower	Upper	
75	100		
77	40.4	18.9	56.5



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 145.99 ug/l

RT: 11.26 min Scan# 1751

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 557365

Ion Ratio Lower Upper

156 100

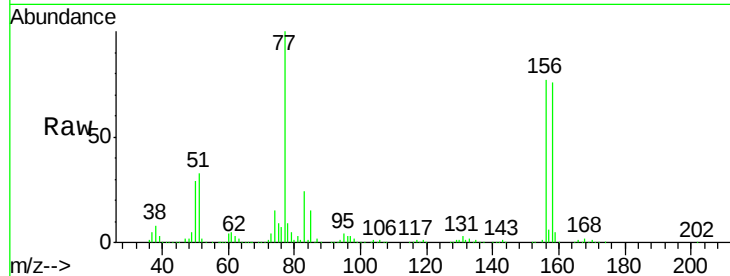
77 132.7 65.3 195.8

158 97.8 48.5 145.5

Manual Integrations
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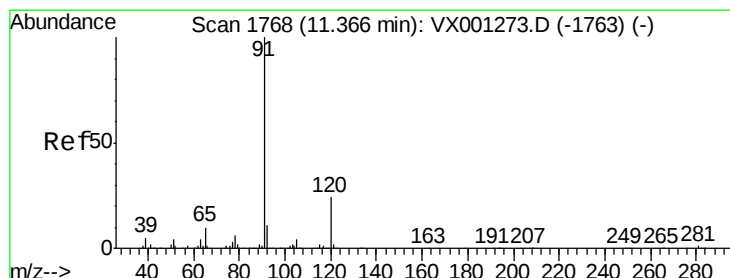
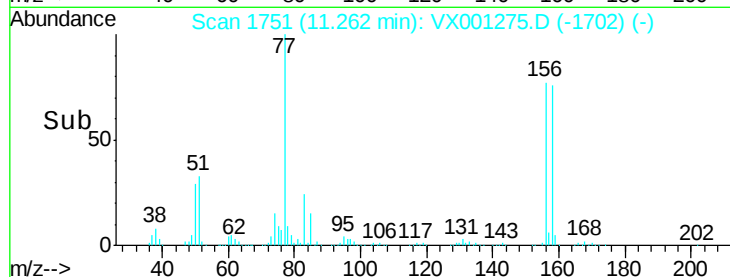
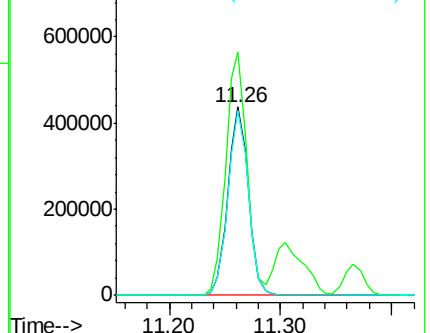
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 151.08 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001275.D

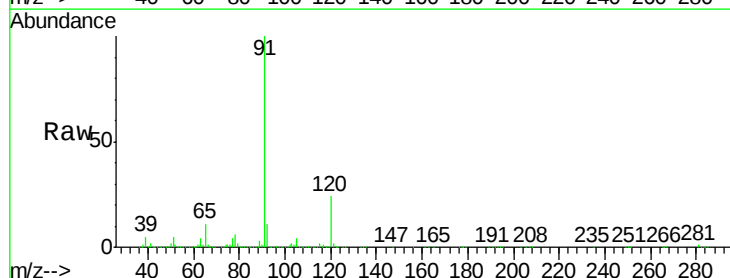
Acq: 01 May 2018 13:11

Tgt Ion: 91 Resp: 2174753

Ion Ratio Lower Upper

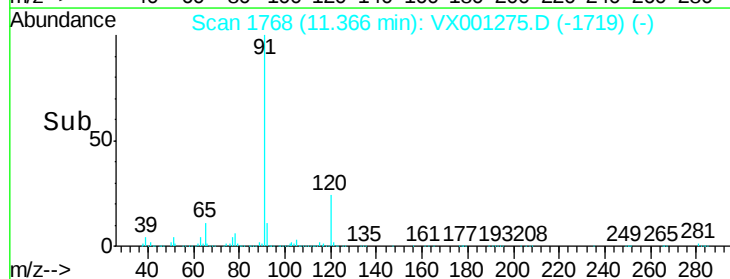
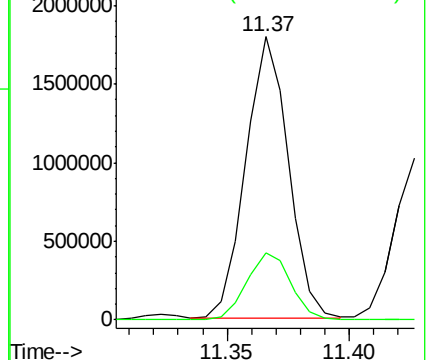
91 100

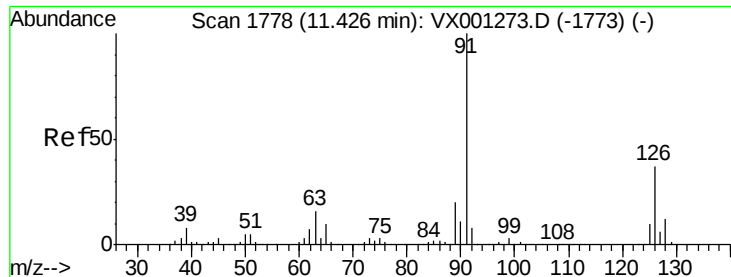
120 24.8 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 145.51 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 91 Resp: 1294878

Ion Ratio Lower Upper

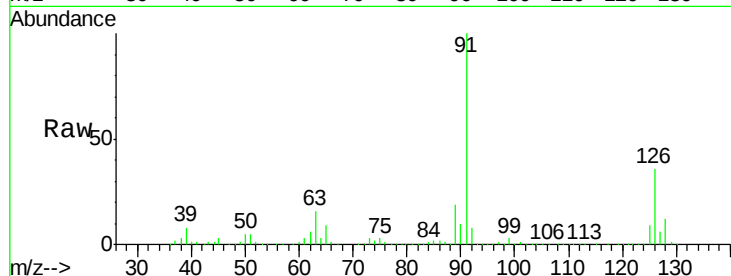
91 100

126 36.4 18.4 55.4

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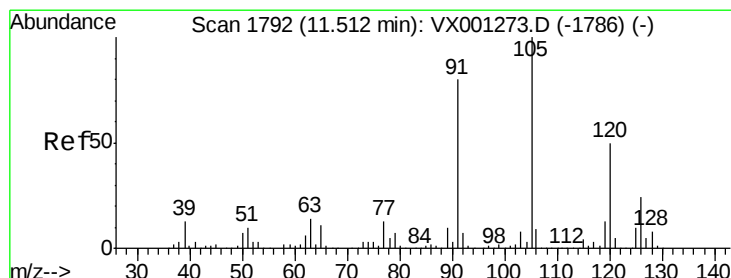
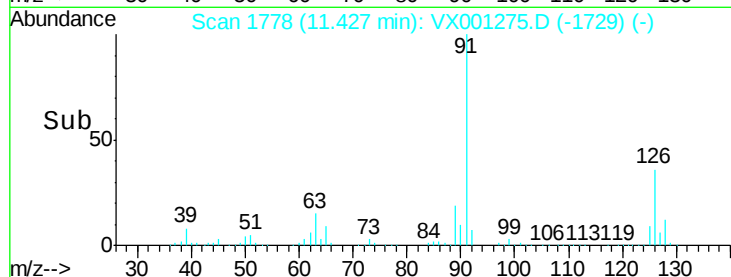
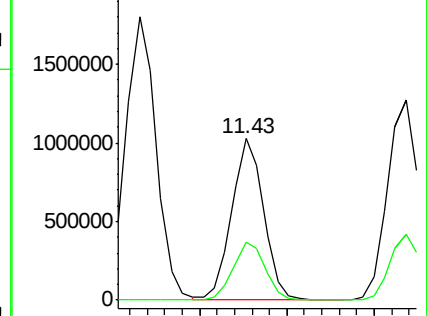
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 153.38 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001275.D

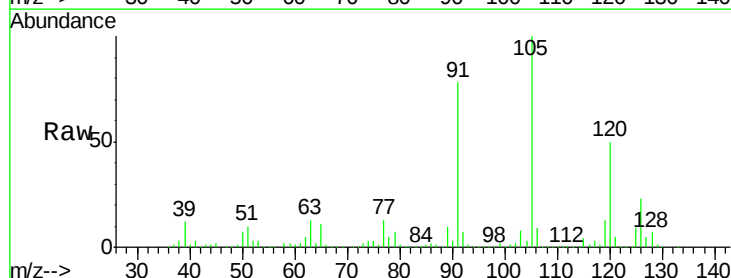
Acq: 01 May 2018 13:11

Tgt Ion: 105 Resp: 1679653

Ion Ratio Lower Upper

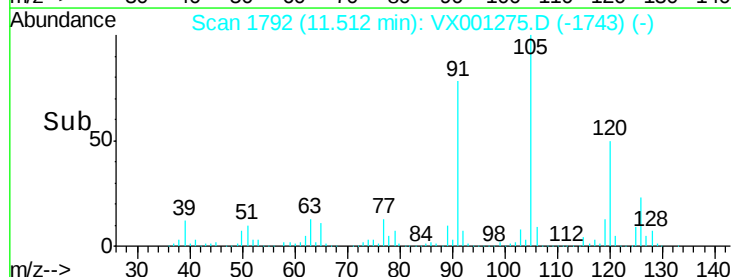
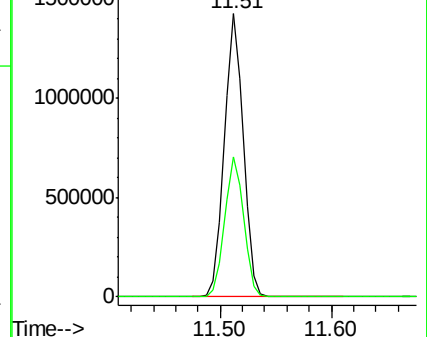
105 100

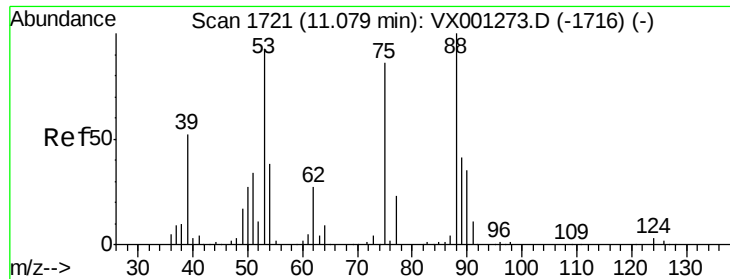
120 49.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 184.90 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 184117
Ion Ratio Lower Upper

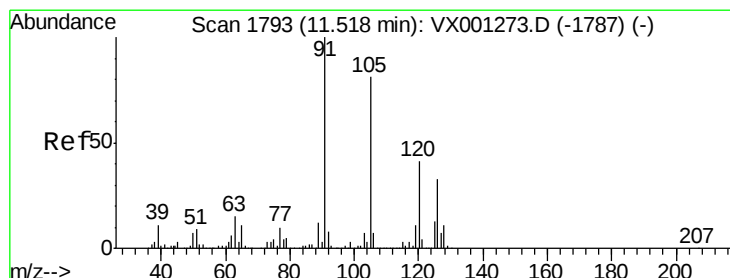
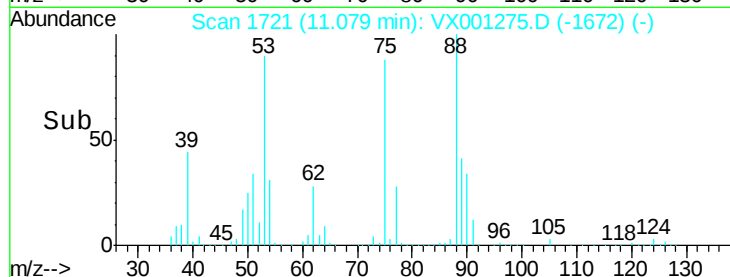
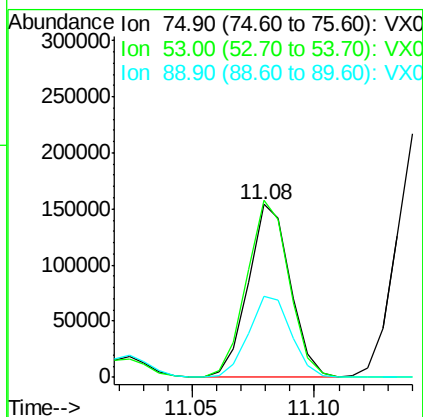
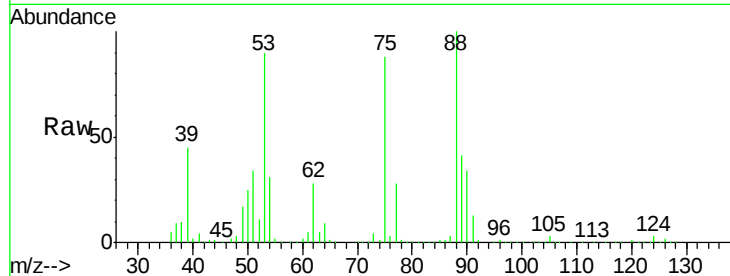
75 100

53 103.0 87.1 130.7

89 47.9 38.9 58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 150.42 ug/l

RT: 11.52 min Scan# 1793

Delta R.T. 0.00 min

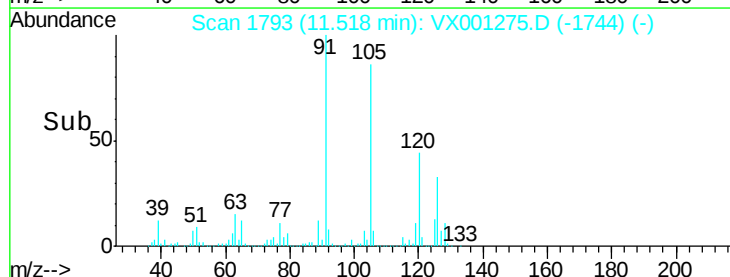
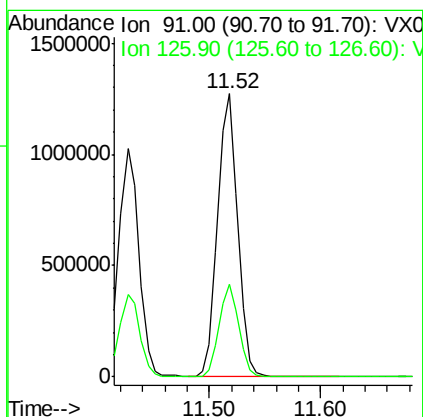
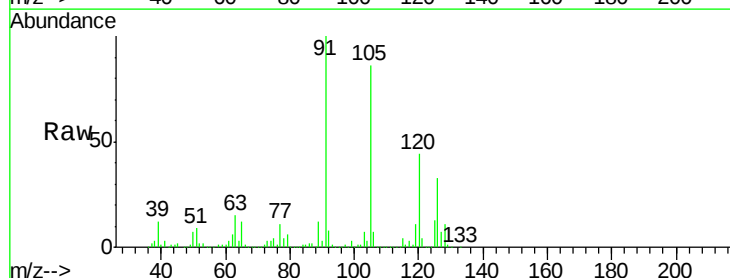
Lab File: VX001275.D

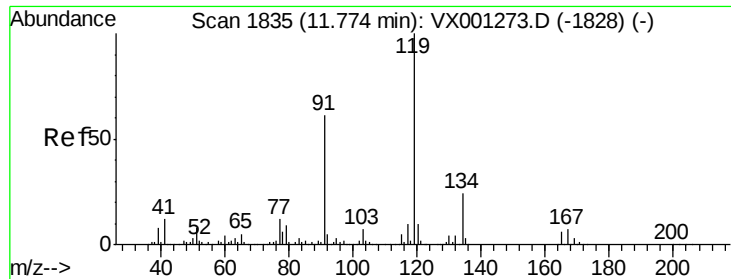
Acq: 01 May 2018 13:11

Tgt Ion: 91 Resp: 1593591
Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.2





#83

tert-Butylbenzene

Concen: 157.67 ug/l

RT: 11.78 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1720142

Ion Ratio Lower Upper

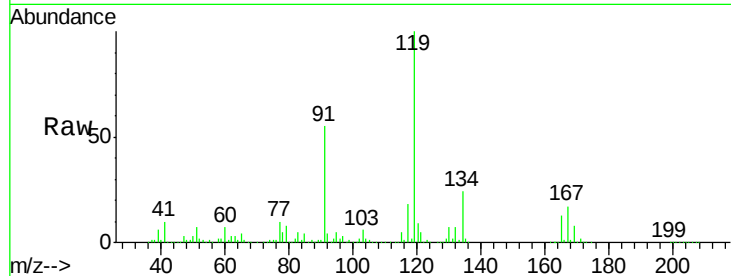
119 100

91 54.7 28.1 84.3

134 23.1 11.8 35.3

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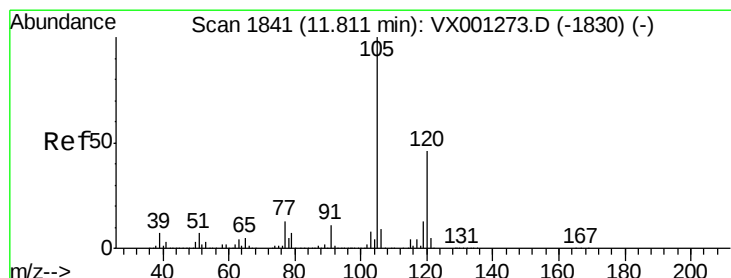
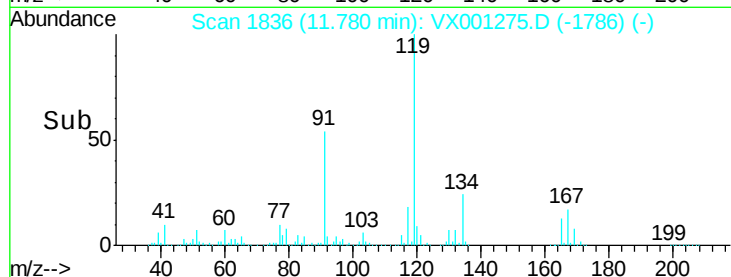
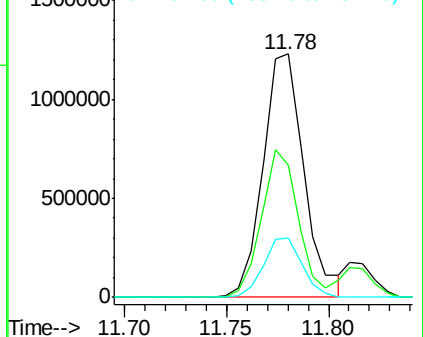
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 151.63 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001275.D

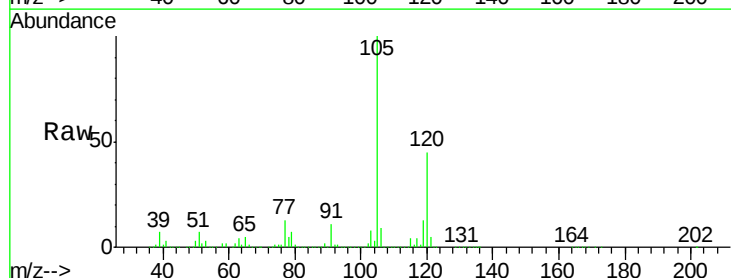
Acq: 01 May 2018 13:11

Tgt Ion:105 Resp: 1702392

Ion Ratio Lower Upper

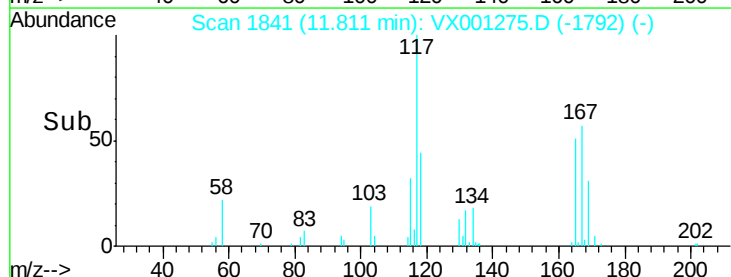
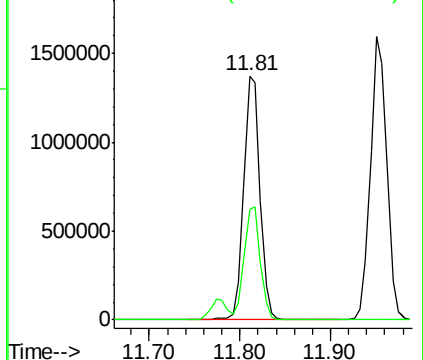
105 100

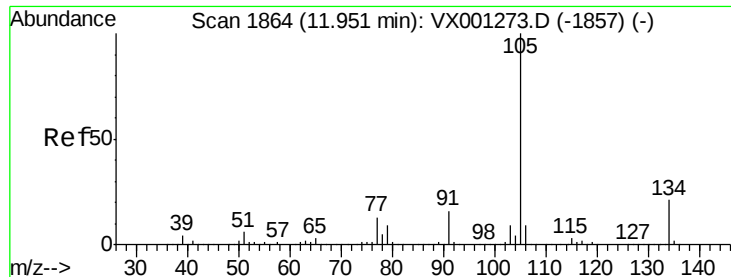
120 45.7 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 154.79 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1985967

Ion Ratio Lower Upper

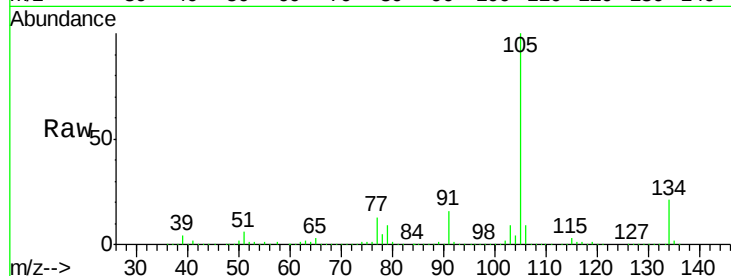
105 100

134 21.3 10.7 31.9

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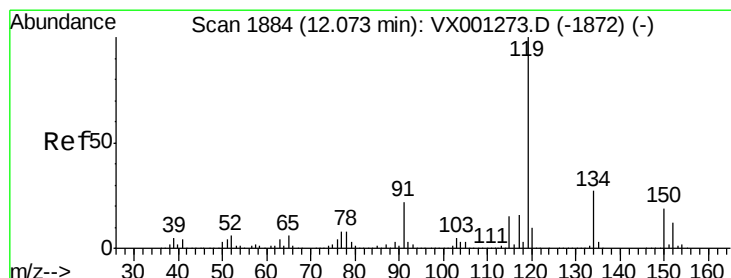
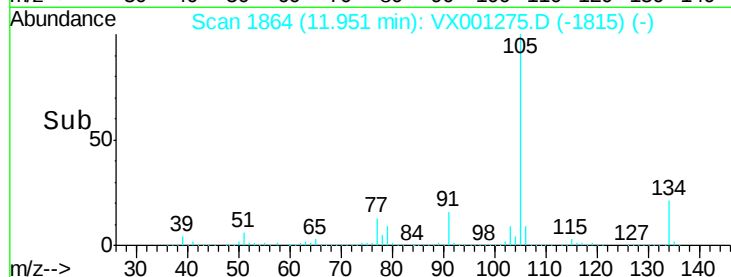
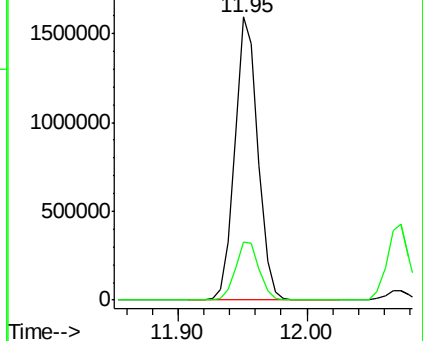
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 155.95 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

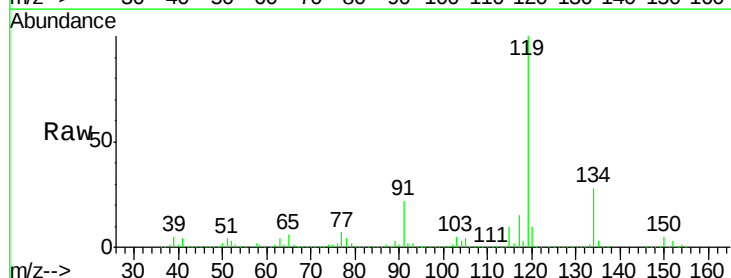
Tgt Ion:119 Resp: 1856223

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

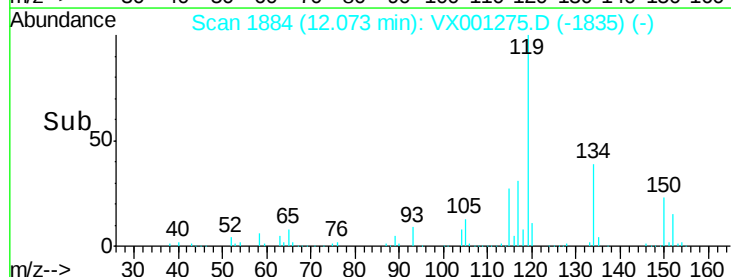
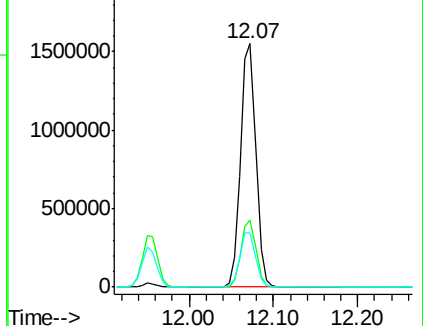
91 22.9 11.7 35.1

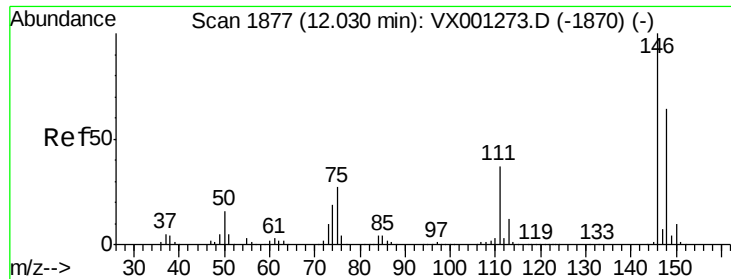


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





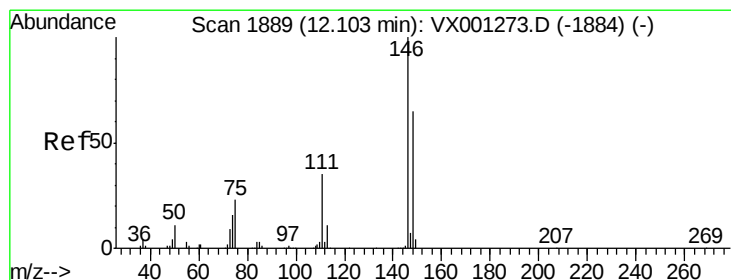
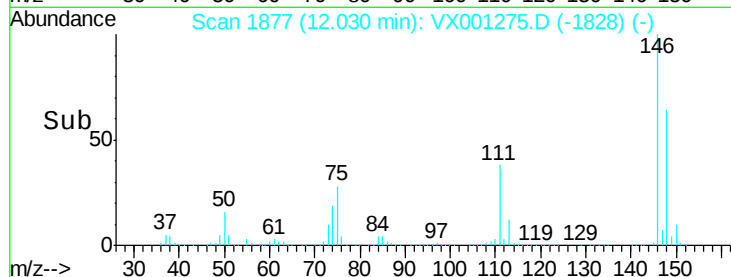
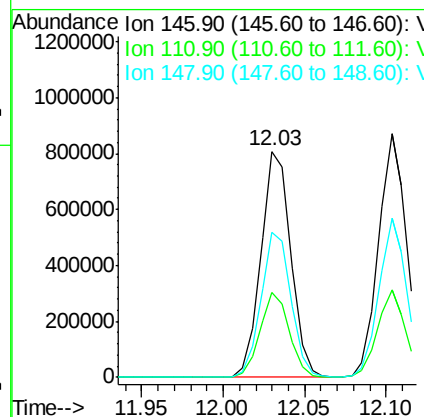
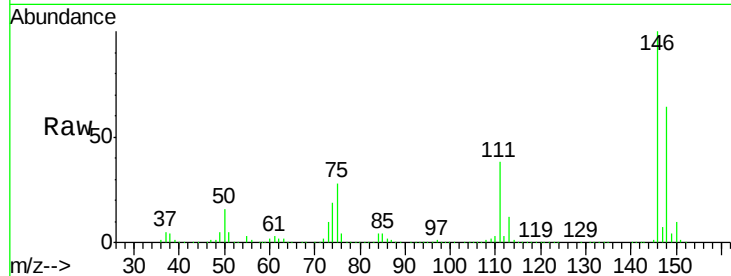
#87
 1,3-Dichlorobenzene
 Concen: 149.94 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.2
148	64.3	32.2	96.6

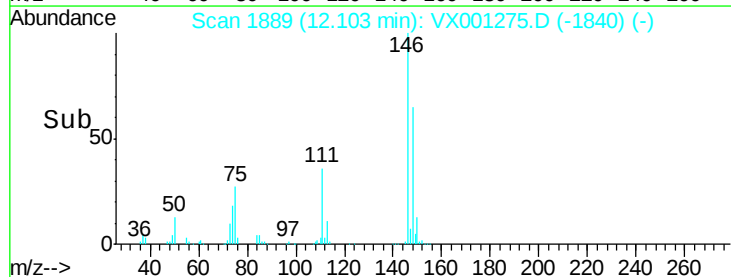
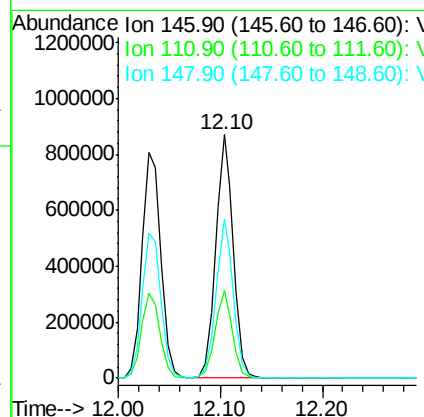
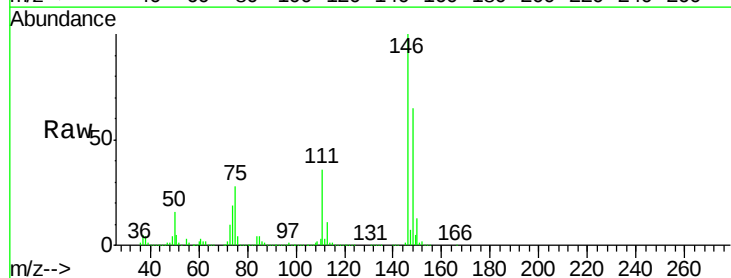
Manual Integrations
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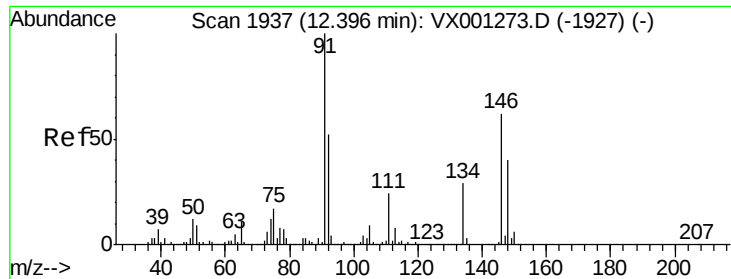
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#88
 1,4-Dichlorobenzene
 Concen: 146.52 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.9	53.7
148	64.5	32.3	96.8





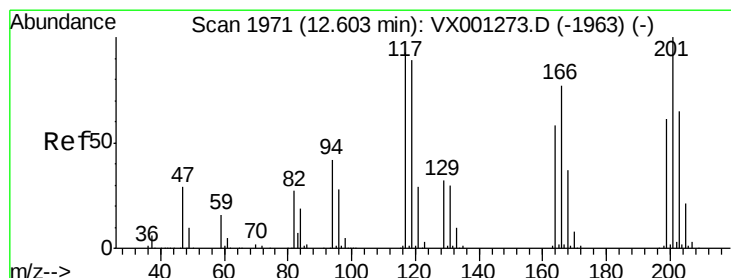
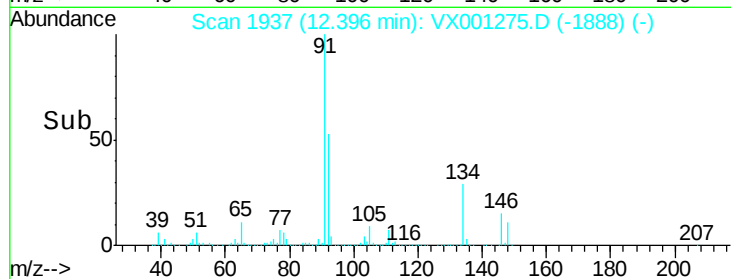
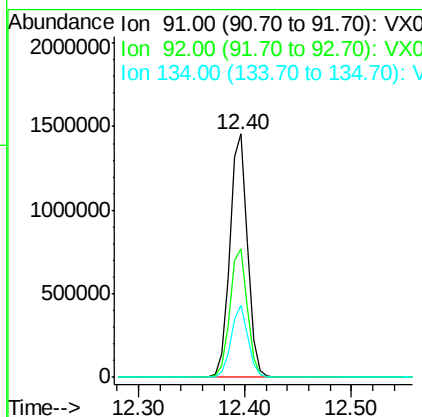
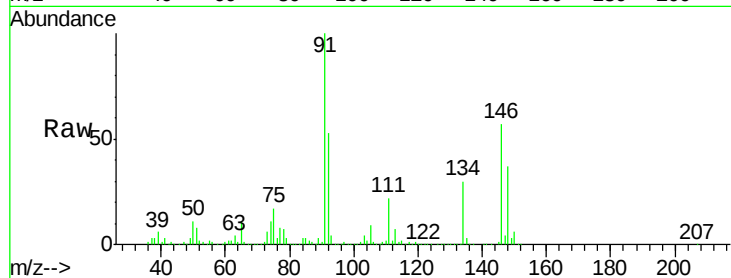
#89
n-Butylbenzene
Concen: 163.42 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	28.3	14.0	42.0

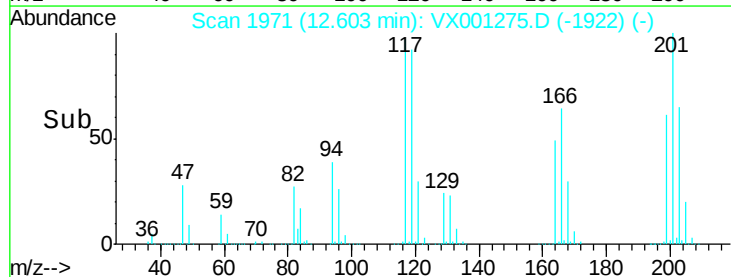
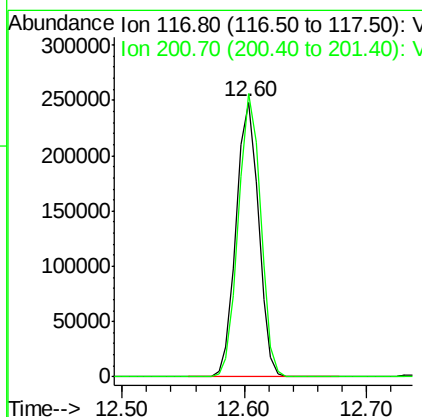
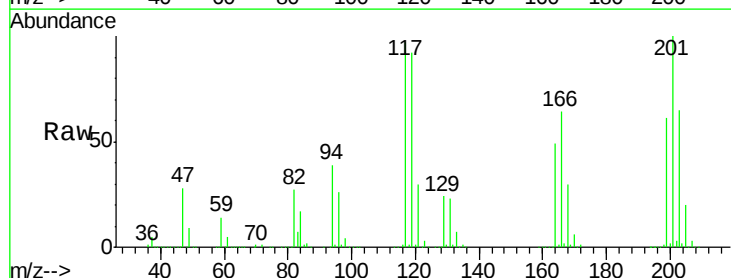
Manual Integrations
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#90
Hexachloroethane
Concen: 185.17 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX001275.D
Acq: 01 May 2018 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.5	51.6	154.8





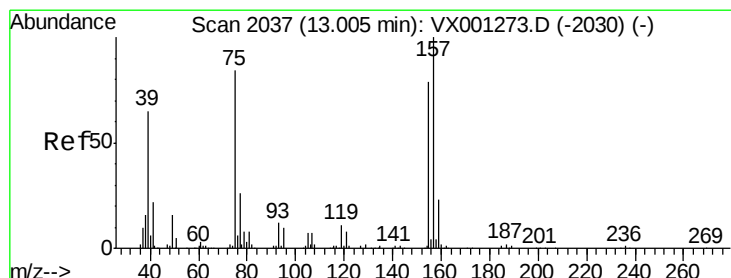
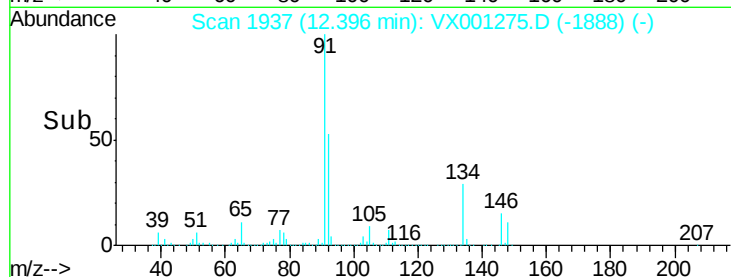
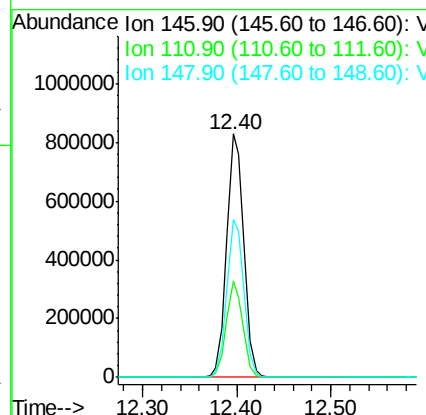
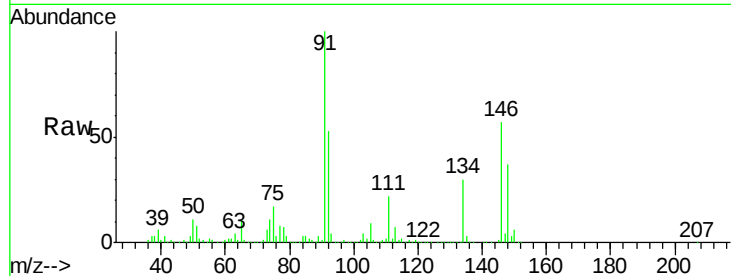
#91
 1,2-Dichlorobenzene
 Concen: 149.52 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:146 Resp: 1036357
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.5
 148 64.6 32.4 97.0

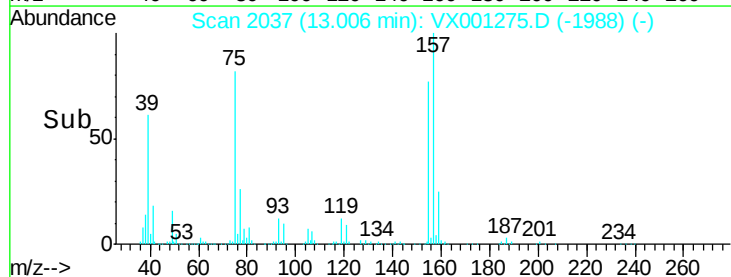
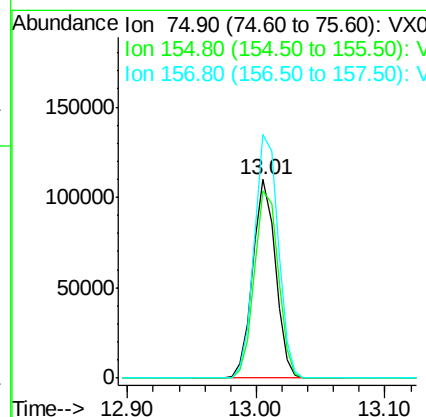
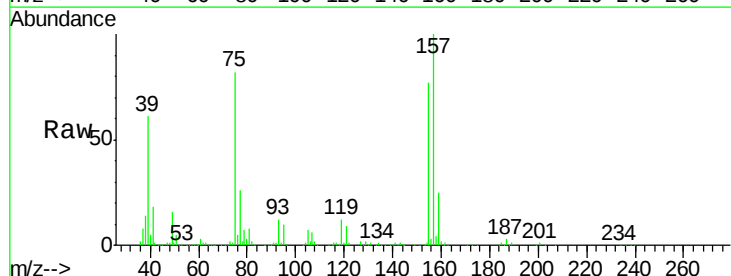
Manual Integrations
 APPROVED

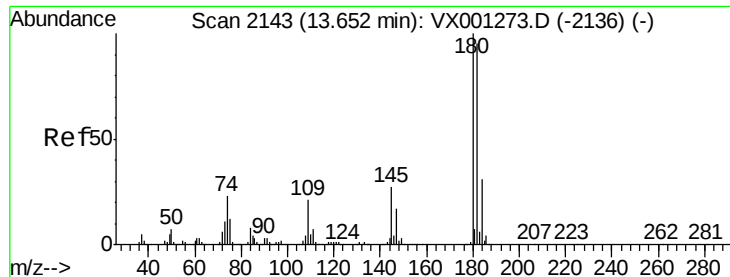
MMDadoda
 5/2/2018 4:20:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 144.22 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Tgt Ion: 75 Resp: 132769
 Ion Ratio Lower Upper
 75 100
 155 99.3 49.9 149.7
 157 128.7 63.7 191.1





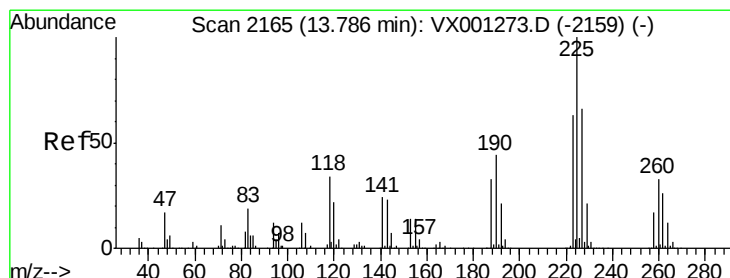
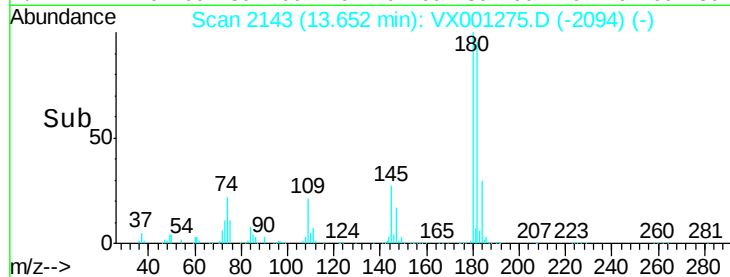
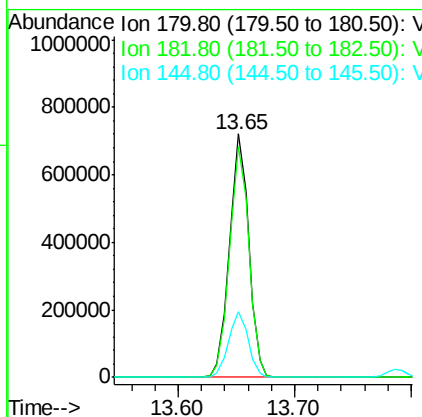
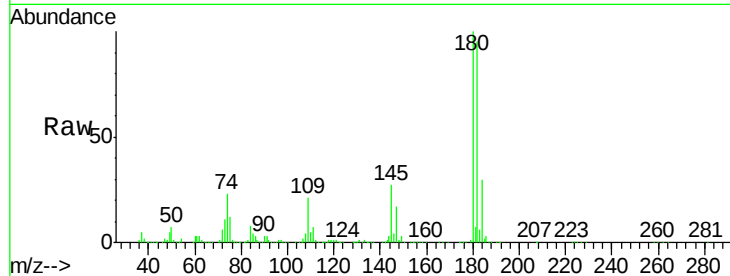
#93
 1,2,4-Trichlorobenzene
 Concen: 152.74 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	832427
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.3	141.9
145	27.3	13.5	40.4

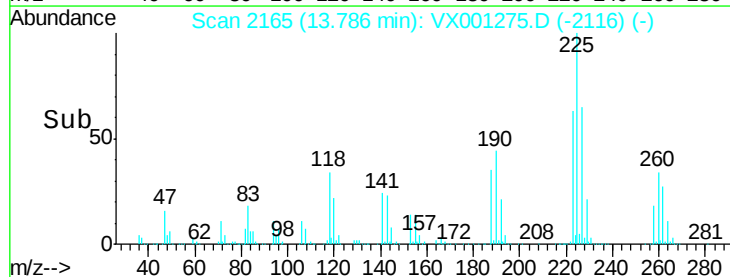
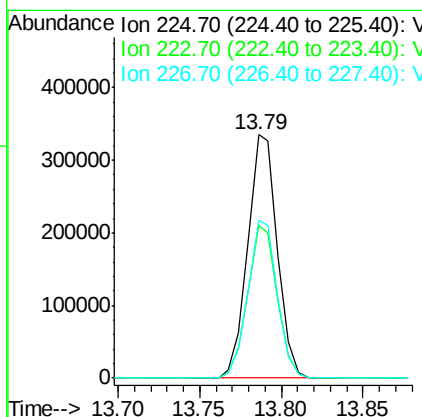
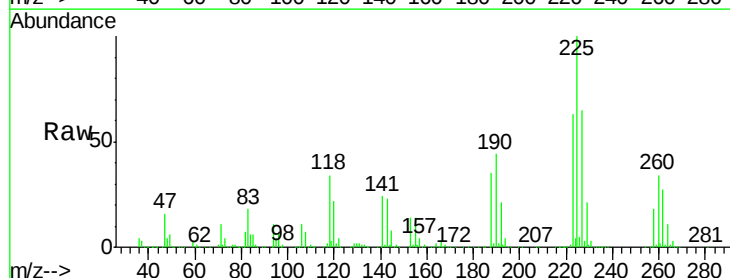
Manual Integrations
 APPROVED

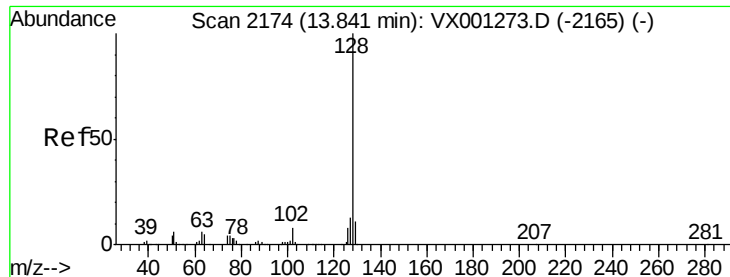
MMDadoda
 5/2/2018 4:20:53 PM



#94
 Hexachlorobutadiene
 Concen: 162.08 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001275.D
 Acq: 01 May 2018 13:11

Tgt Ion:	225	Resp:	423048
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.4	94.0
227	64.6	32.5	97.5





#95

Naphthalene

Concen: 143.08 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2147970

Ion Ratio Lower Upper

128 100

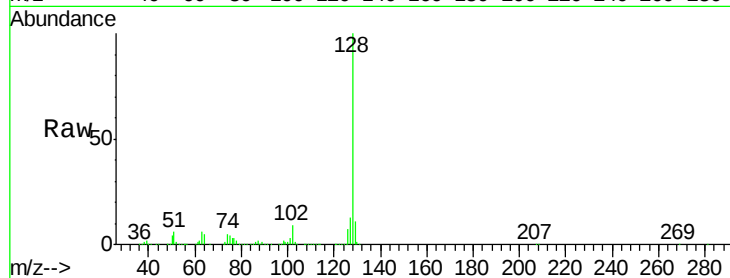
127 13.1 10.5 15.7

129 11.0 8.7 13.1

Manual Integrations
APPROVED

MMDadoda

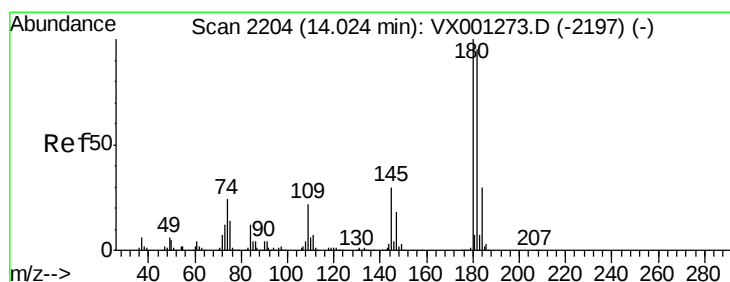
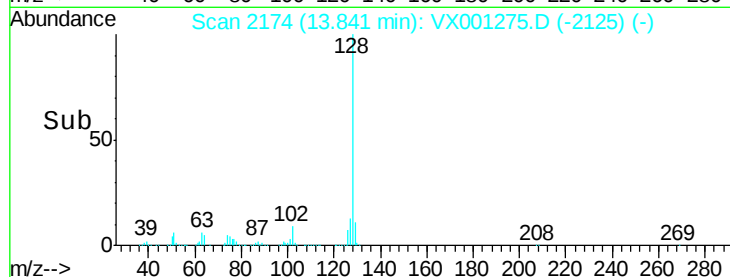
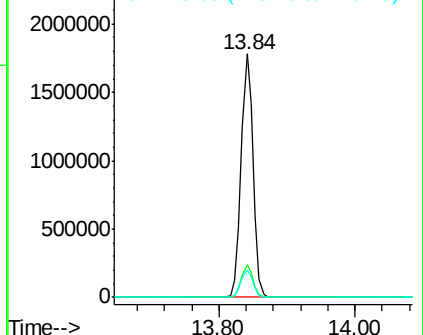
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 149.97 ug/l

RT: 14.03 min Scan# 2205

Delta R.T. 0.01 min

Lab File: VX001275.D

Acq: 01 May 2018 13:11

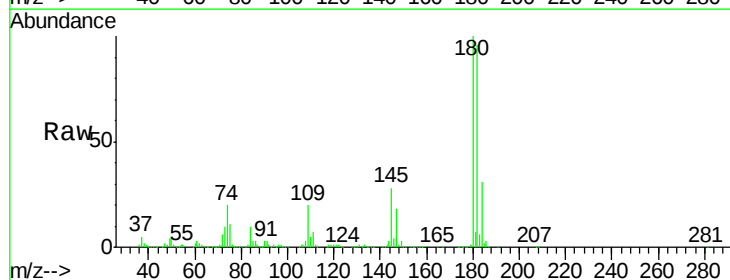
Tgt Ion:180 Resp: 811818

Ion Ratio Lower Upper

180 100

182 95.5 48.1 144.3

145 29.0 14.4 43.4



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

