

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008973.D
 Acq On : 15 Apr 2019 20:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:53:44 AM

Quant Time: Apr 16 05:00:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	224773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152063	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	149251	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
35) Dibromofluoromethane	5.50	113	110023	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
50) Toluene-d8	8.71	98	446739	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
62) 4-Bromofluorobenzene	11.13	95	157415	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	136355	52.668	ug/l	100
3) Chloromethane	1.32	50	160523	50.504	ug/l	99
4) Vinyl Chloride	1.41	62	154497	49.942	ug/l	98
5) Bromomethane	1.64	94	92891	48.109	ug/l	96
6) Chloroethane	1.71	64	90422	49.707	ug/l	98
7) Trichlorofluoromethane	1.92	101	175852	48.687	ug/l	98
8) Diethyl Ether	2.19	74	79717	48.261	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110389	47.801	ug/l	100
10) Methyl Iodide	2.51	142	124129	49.235	ug/l	100
11) Tert butyl alcohol	3.05	59	171727	244.228	ug/l	100
12) 1,1-Dichloroethene	2.37	96	114158	47.360	ug/l	98
13) Acrolein	2.29	56	138046	227.220	ug/l	100
14) Allyl chloride	2.73	41	264313	50.261	ug/l	99
15) Acrylonitrile	3.14	53	439695	246.340	ug/l	100
16) Acetone	2.45	43	383644	233.546	ug/l	100
17) Carbon Disulfide	2.57	76	339174	47.937	ug/l	100
18) Methyl Acetate	2.78	43	194472	47.435	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	429623	50.022	ug/l	100
20) Methylene Chloride	2.85	84	133462	47.509	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	122916	47.809	ug/l	99
22) Diisopropyl ether	3.85	45	513641	50.264	ug/l	96
23) Vinyl Acetate	3.81	43	2320581	258.338	ug/l	99
24) 1,1-Dichloroethane	3.70	63	251824	49.092	ug/l	99
25) 2-Butanone	4.67	43	658929	250.951	ug/l	99
26) 2,2-Dichloropropane	4.58	77	176910	46.009	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	140599	48.166	ug/l	99
28) Bromochloromethane	5.01	49	112948	53.132	ug/l	100
29) Tetrahydrofuran	5.13	42	434393	247.172	ug/l	99
30) Chloroform	5.21	83	225272	49.076	ug/l	98
31) Cyclohexane	5.58	56	250047	49.560	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	188807	49.628	ug/l	100
36) 1,1-Dichloropropene	5.80	75	178593	46.744	ug/l	99
37) Ethyl Acetate	4.83	43	247939	50.432	ug/l	100
38) Carbon Tetrachloride	5.78	117	156699	48.379	ug/l	96

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 02:27:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	220520	47.405	ug/l	98
40) Benzene	6.14	78	548649	48.677	ug/l	100
41) Methacrylonitrile	5.04	41	141091	50.004	ug/l	100
42) 1,2-Dichloroethane	6.19	62	192745	48.275	ug/l	99
43) Isopropyl Acetate	6.45	43	395625	49.936	ug/l	99
44) Trichloroethene	7.21	130	128943	46.690	ug/l	99
45) 1,2-Dichloropropane	7.51	63	155114	49.606	ug/l	98
46) Dibromomethane	7.66	93	87421	48.039	ug/l	100
47) Bromodichloromethane	7.90	83	175546	49.183	ug/l	100
48) Methyl methacrylate	7.77	41	199510	50.965	ug/l	99
49) 1,4-Dioxane	7.74	88	68960	941.175	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1255597	248.765	ug/l	100
52) Toluene	8.79	92	328548	48.638	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	206826	50.351	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	226692	49.286	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	131514	49.123	ug/l	99
56) Ethyl methacrylate	9.18	69	244684	50.971	ug/l	99
57) 1,3-Dichloropropane	9.37	76	234861	49.271	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	650921	251.801	ug/l	100
59) 2-Hexanone	9.49	43	944731	242.776	ug/l	100
60) Dibromochloromethane	9.58	129	131520	51.258	ug/l	99
61) 1,2-Dibromoethane	9.67	107	135685	49.106	ug/l	99
64) Tetrachloroethene	9.34	164	117055	46.662	ug/l	98
65) Chlorobenzene	10.14	112	331527	47.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	122237	49.783	ug/l	99
67) Ethyl Benzene	10.25	91	620206	48.677	ug/l	99
68) m/p-Xylenes	10.36	106	451149	97.429	ug/l	100
69) o-Xylene	10.69	106	217732	48.325	ug/l	99
70) Styrene	10.71	104	380605	48.747	ug/l	99
71) Bromoform	10.85	173	97316	49.748	ug/l #	99
73) Isopropylbenzene	11.02	105	581033	50.410	ug/l	100
74) N-amyl acetate	10.90	43	338412	51.134	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	203413	48.300	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	180578m	48.633	ug/l	
77) Bromobenzene	11.26	156	142595	49.033	ug/l	99
78) n-propylbenzene	11.36	91	673511	50.910	ug/l	100
79) 2-Chlorotoluene	11.42	91	396772	49.770	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	492506	50.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	73776	51.010	ug/l	97
82) 4-Chlorotoluene	11.51	91	455992	49.250	ug/l	100
83) tert-Butylbenzene	11.77	119	461146	49.659	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	492626	50.035	ug/l	100
85) sec-Butylbenzene	11.94	105	558750	50.450	ug/l	100
86) p-Isopropyltoluene	12.06	119	504960	49.591	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	247098	48.547	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	242065	46.915	ug/l	99
89) n-Butylbenzene	12.38	91	465956	49.136	ug/l	100
90) Hexachloroethane	12.60	117	86669	51.599	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	242977	48.343	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45600	47.556	ug/l	99

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VSTDCCC050EC

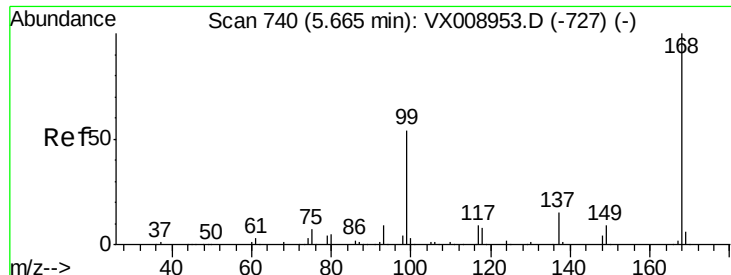
Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:53:44 AM

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Quant Title : SW846 8260
QLast Update : Tue Apr 16 02:27:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	170070	46.875	ug/l	100
94) Hexachlorobutadiene	13.78	225	85883	47.461	ug/l	100
95) Naphthalene	13.83	128	560935	48.256	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	169852	47.447	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 224773

Ion Ratio Lower Upper

168 100

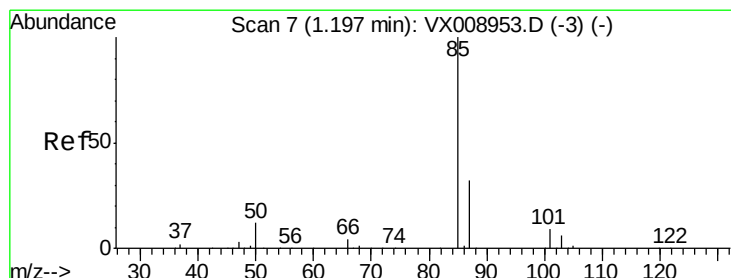
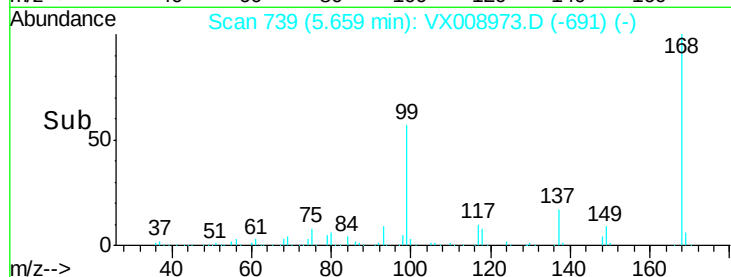
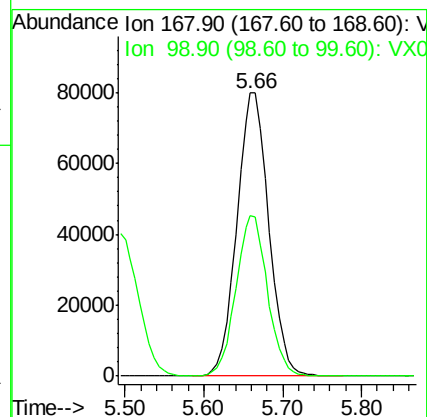
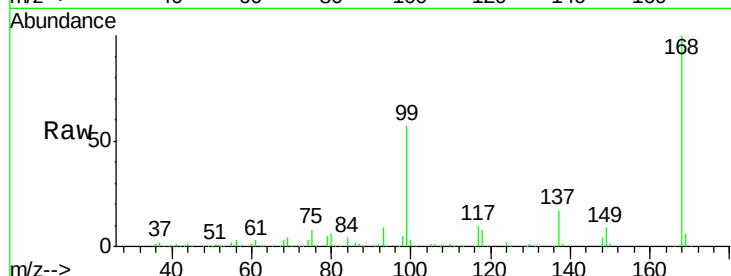
99 56.4 43.0 64.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 52.668 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008973.D

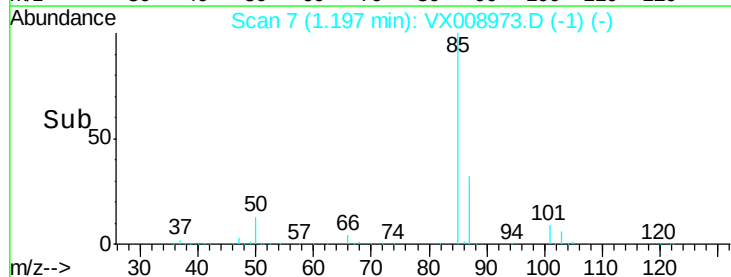
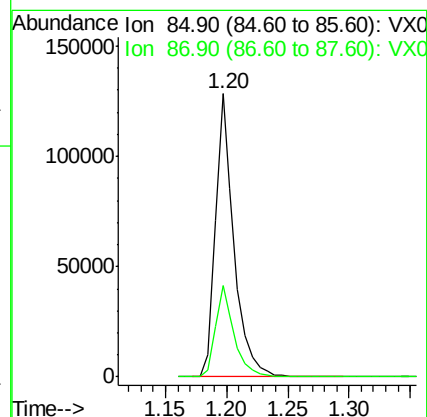
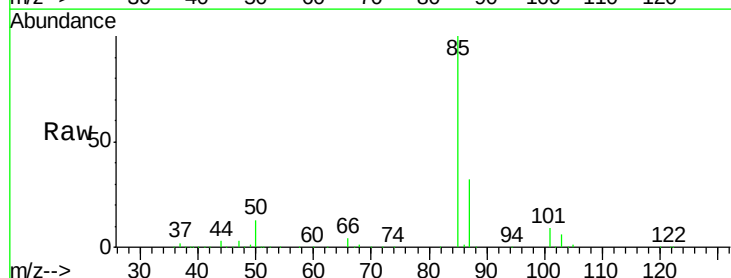
Acq: 15 Apr 2019 20:15

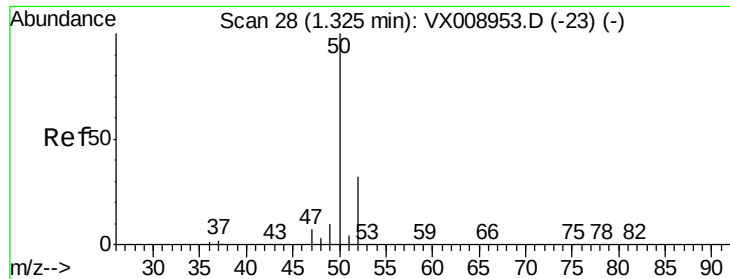
Tgt Ion: 85 Resp: 136355

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9





#3

Chloromethane

Concen: 50.504 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 160523

Ion Ratio Lower Upper

50 100

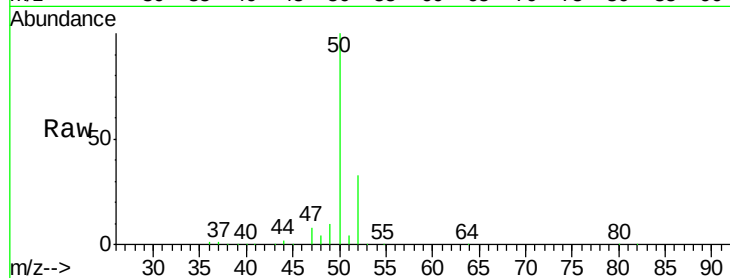
52 32.7 25.5 38.3

Manual Integrations

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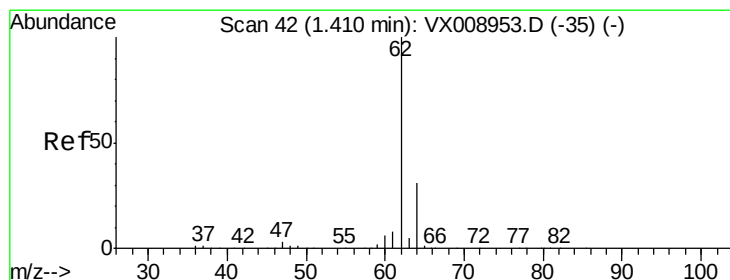
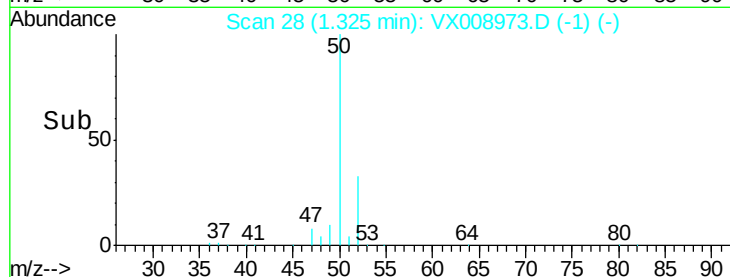
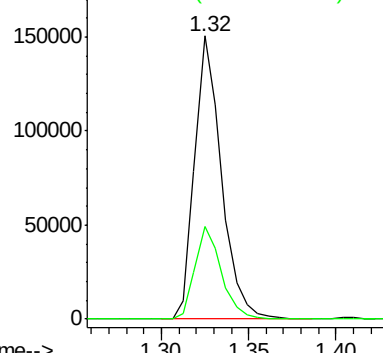
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.942 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008973.D

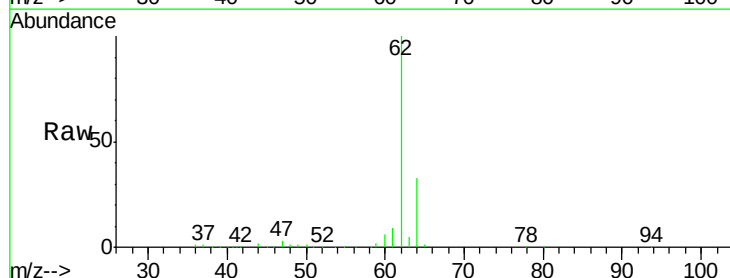
Acq: 15 Apr 2019 20:15

Tgt Ion: 62 Resp: 154497

Ion Ratio Lower Upper

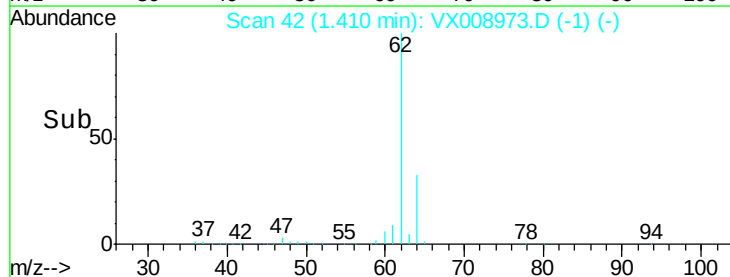
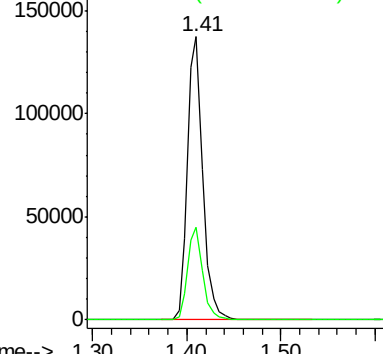
62 100

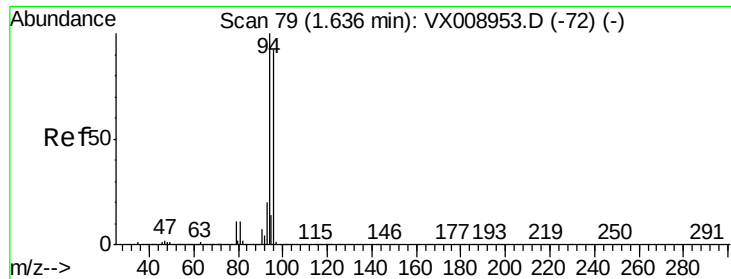
64 32.6 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 48.109 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 92891

Ion Ratio Lower Upper

94 100

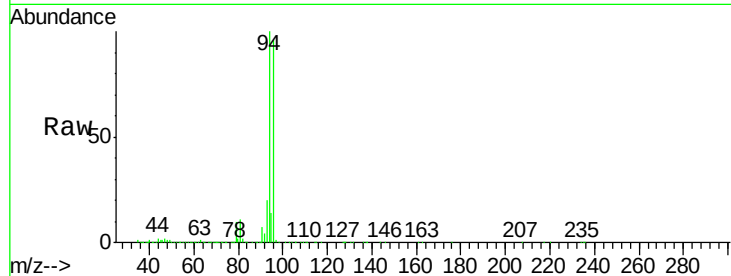
96 96.0 73.9 110.9

Manual Integrations

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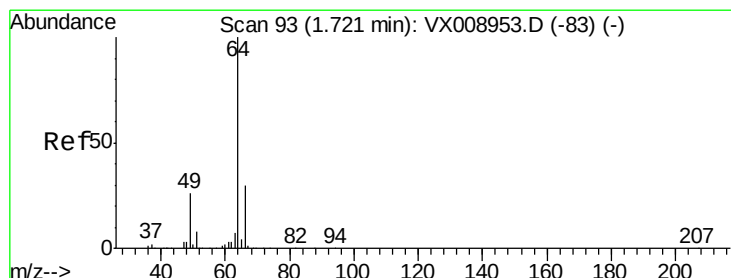
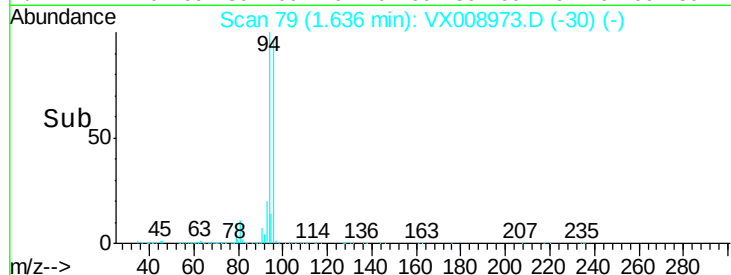
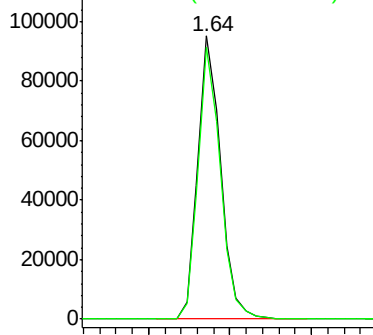
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.707 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008973.D

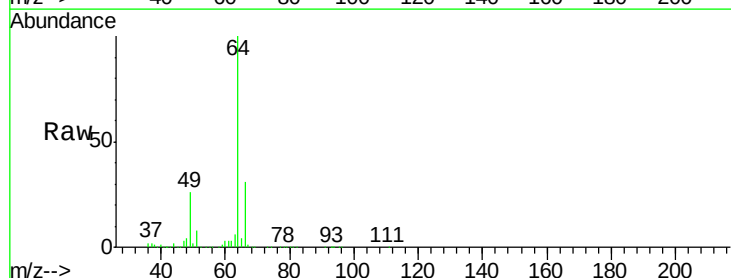
Acq: 15 Apr 2019 20:15

Tgt Ion: 64 Resp: 90422

Ion Ratio Lower Upper

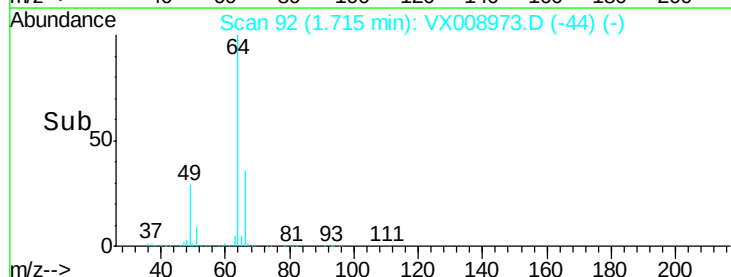
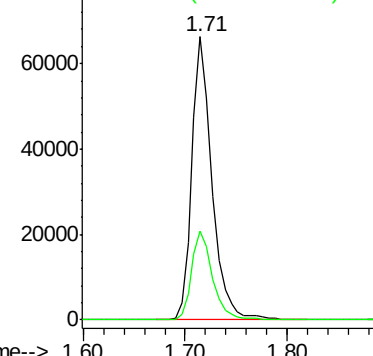
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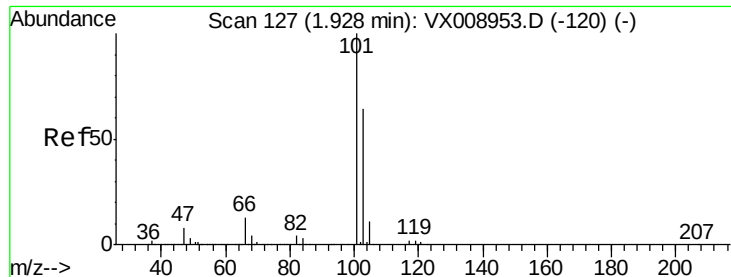
66 31.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

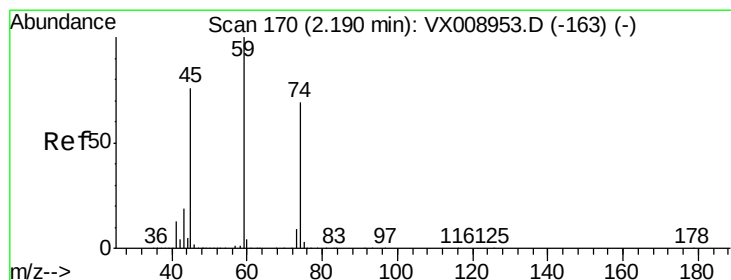
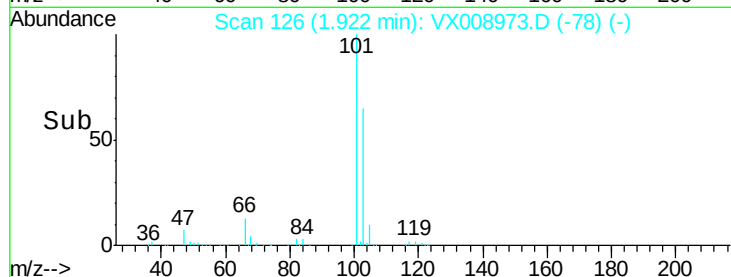
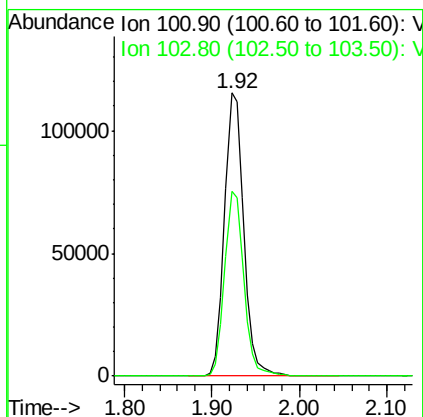
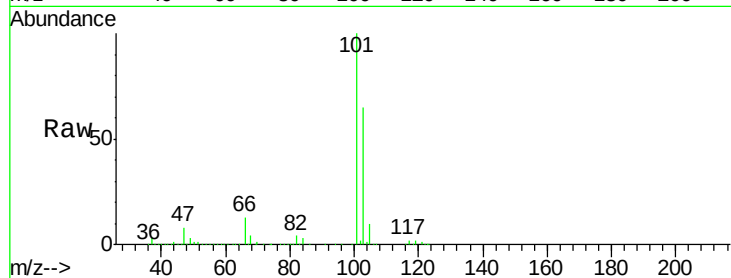
Trichlorofluoromethane
Concen: 48.687 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.0	76.6

Manual Integrations
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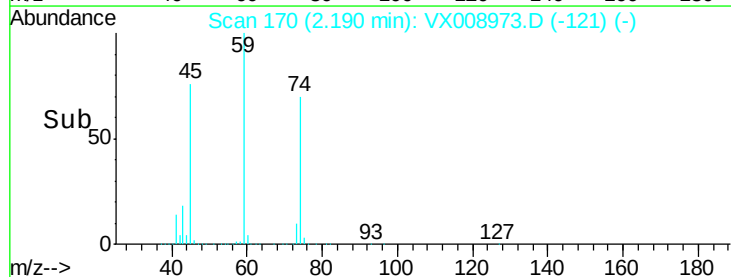
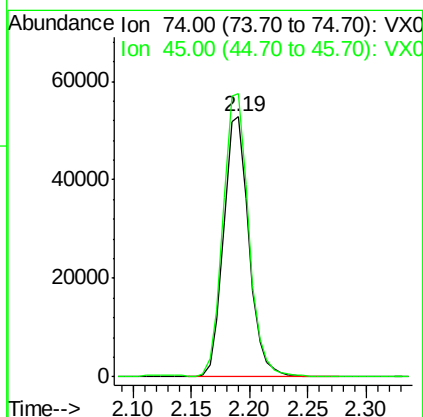
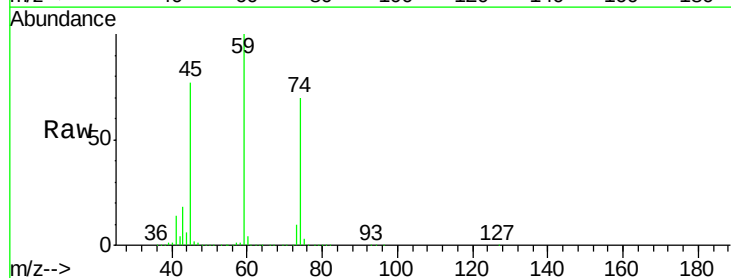
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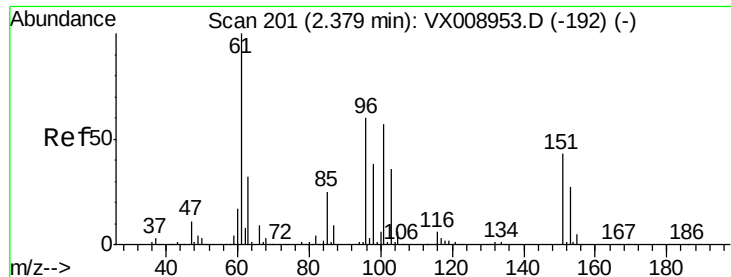


#8

Diethyl Ether
Concen: 48.261 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.801 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 110389

Ion Ratio Lower Upper

101 100

85 44.5 35.7 53.5

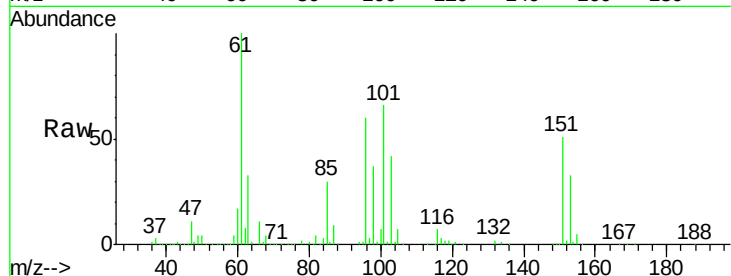
151 77.8 62.7 94.1

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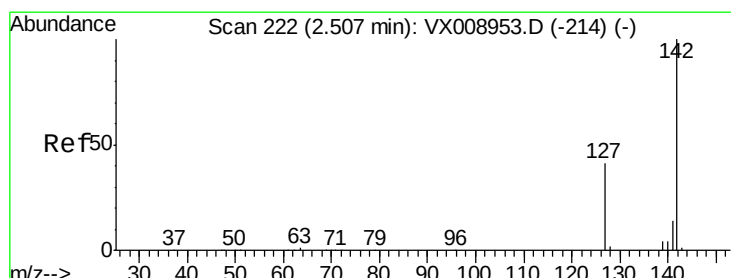
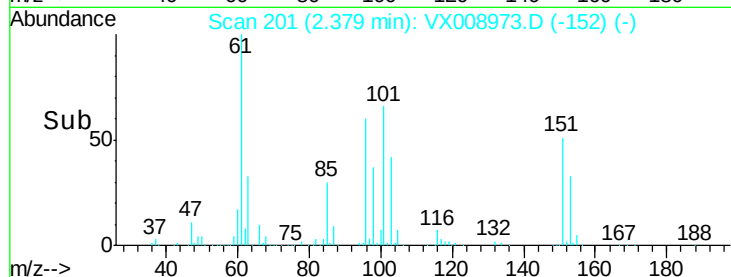
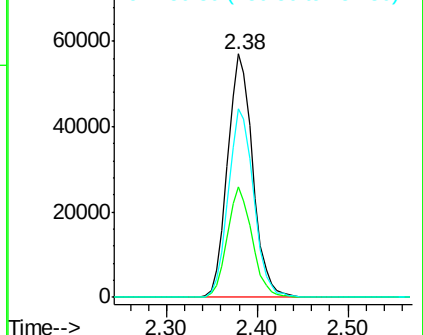
4/16/2019 10:53:44 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.235 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

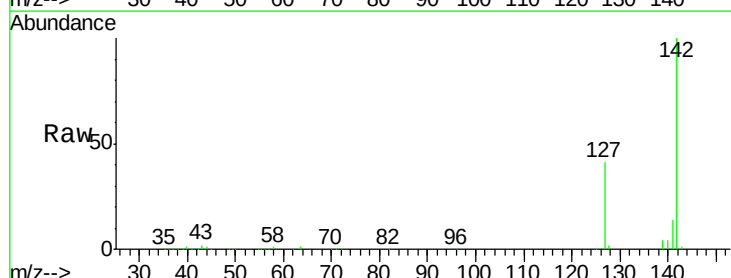
Tgt Ion:142 Resp: 124129

Ion Ratio Lower Upper

142 100

127 41.3 32.8 49.2

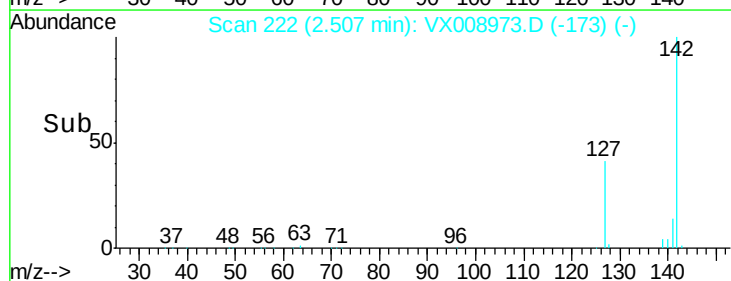
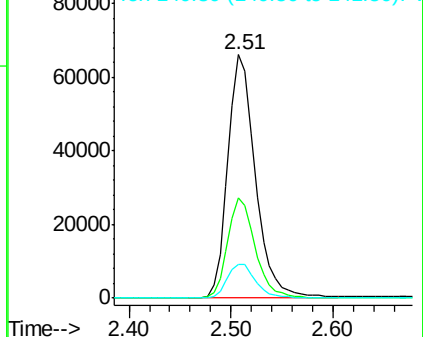
141 14.5 11.4 17.2

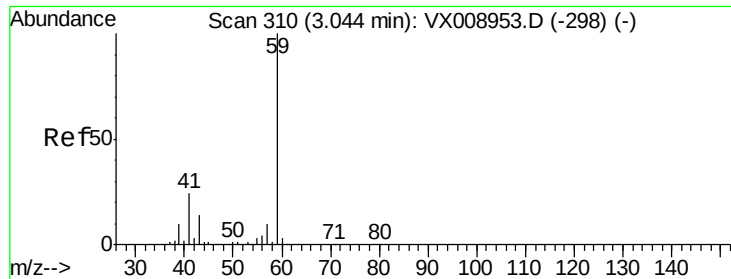


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

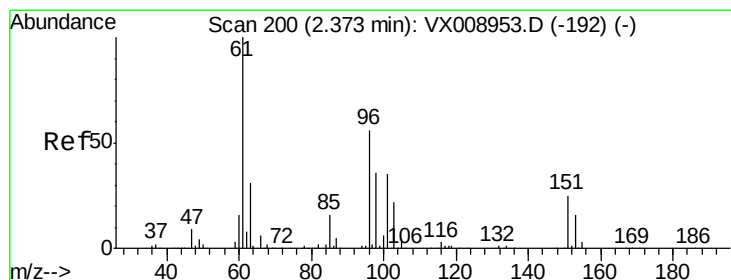
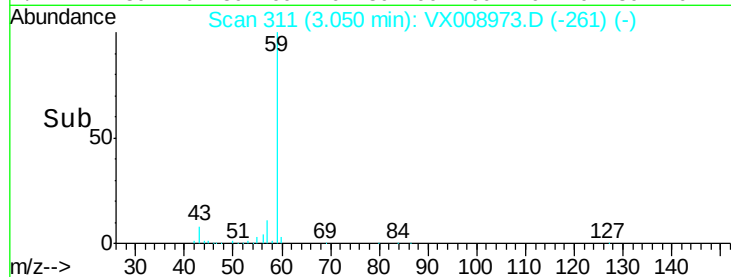
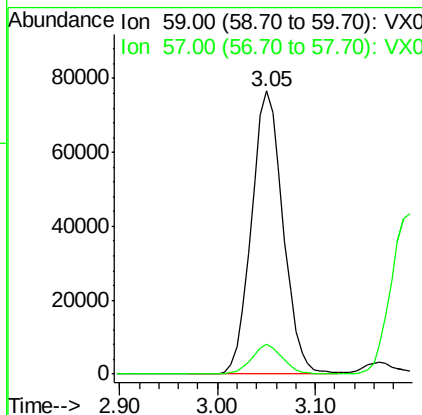
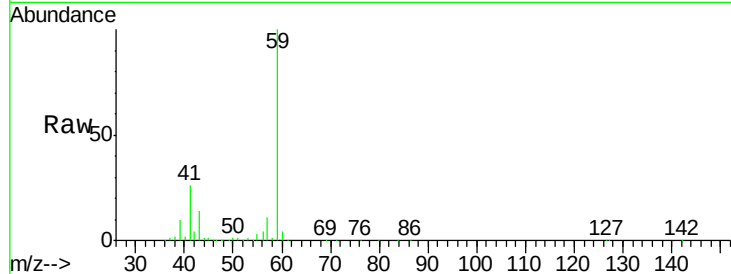
Tert butyl alcohol
 Concen: 244.228 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.4	Resp	171727	Lower	Upper
59	100								
57		10.4						8.4	12.6

Manual Integrations
 APPROVED

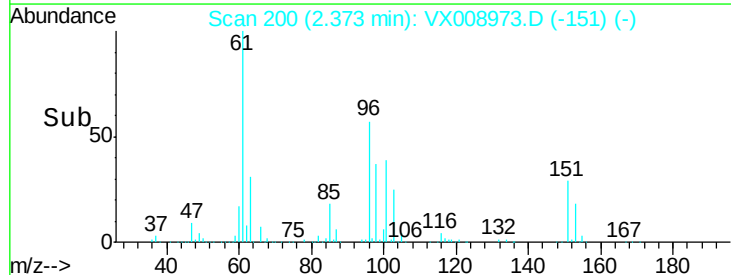
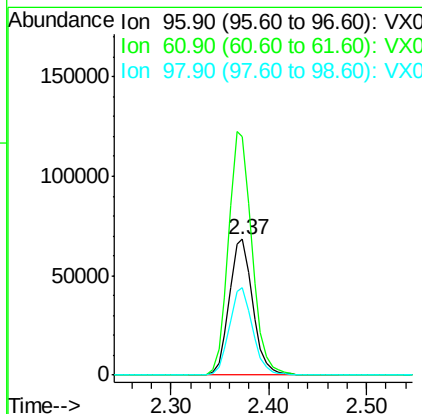
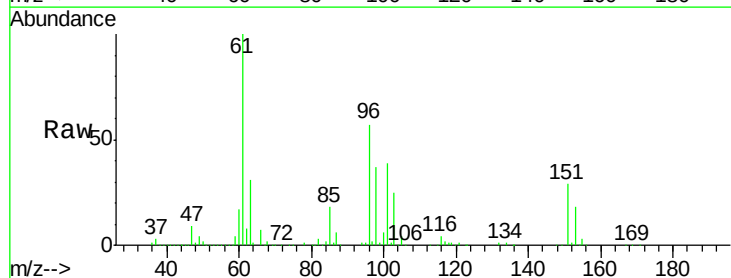
MMDadoda
 4/16/2019 10:53:44 AM

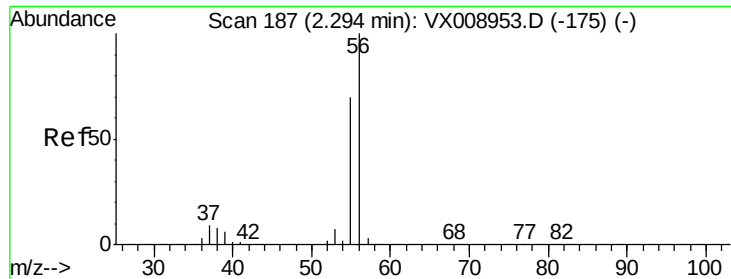


#12

1,1-Dichloroethene
 Concen: 47.360 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion	96	61	98	Ratio	100	175.2	64.5	Resp	114158	Lower	Upper
96	100										
61		175.2								142.2	213.2
98		64.5								50.9	76.3





#13

Acrolein

Concen: 227.220 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 138046

Ion Ratio Lower Upper

56 100

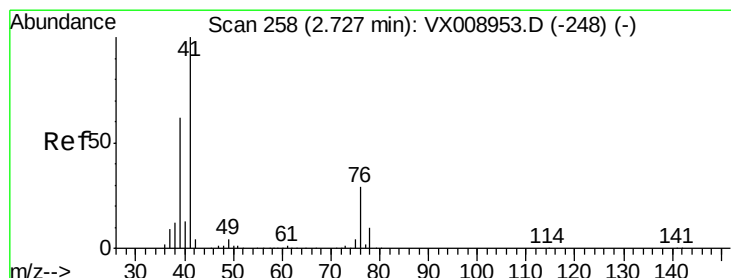
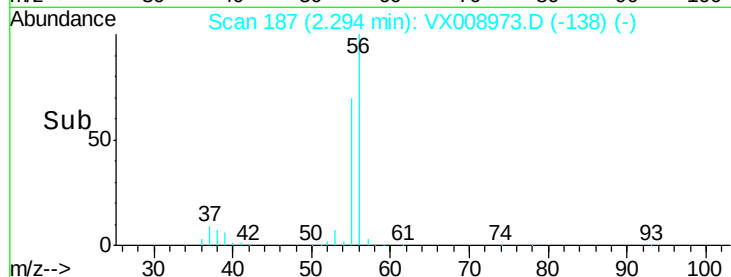
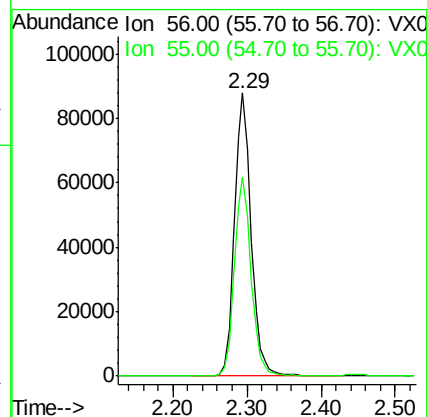
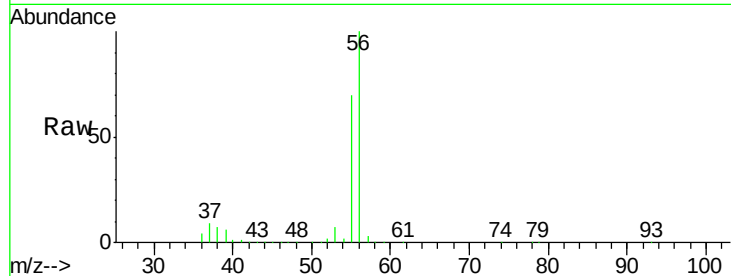
55 70.6 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:53:44 AM



#14

Allyl chloride

Concen: 50.261 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

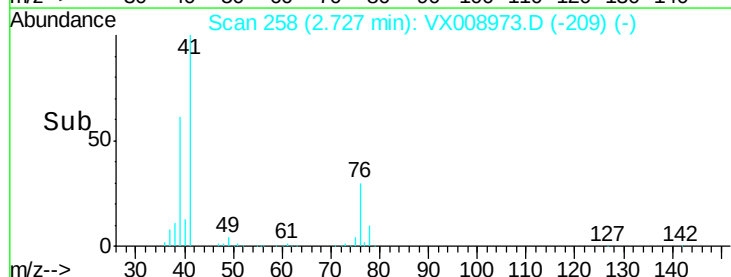
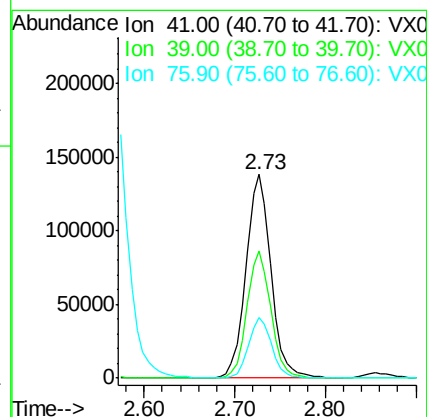
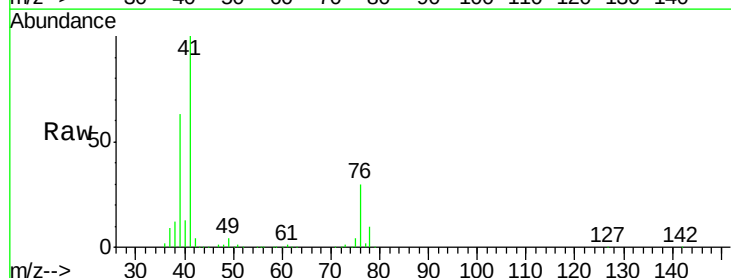
Tgt Ion: 41 Resp: 264313

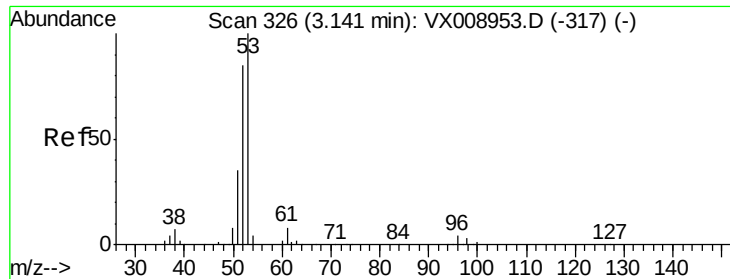
Ion Ratio Lower Upper

41 100

39 59.5 46.7 70.1

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 246.340 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

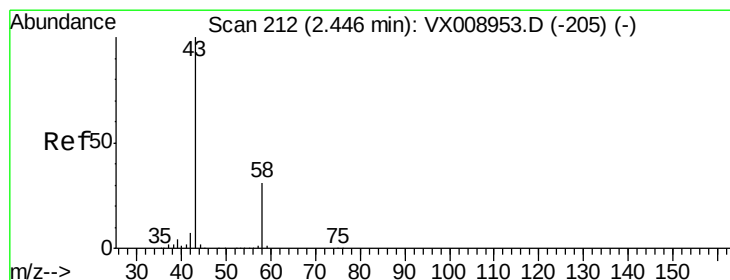
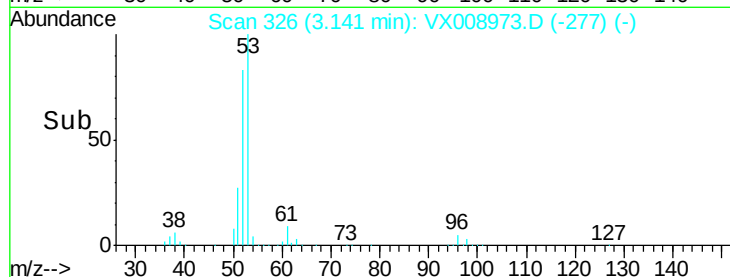
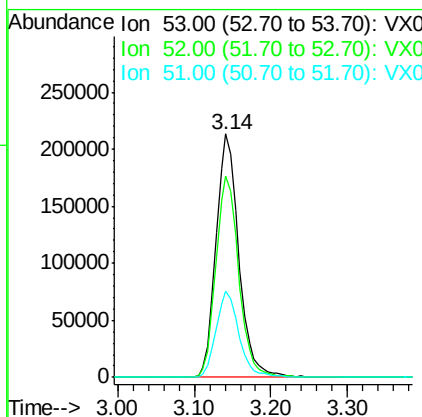
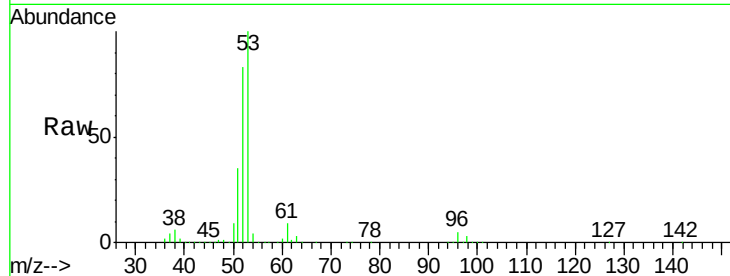
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	439695
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	35.4	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 233.546 ug/l

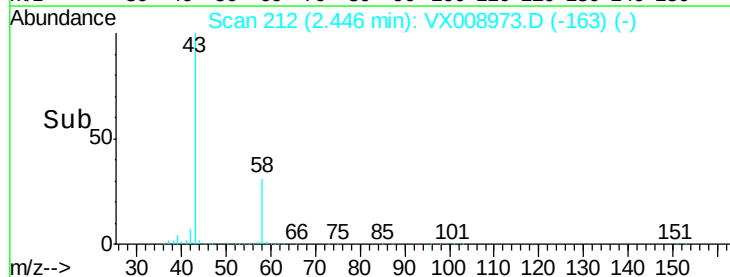
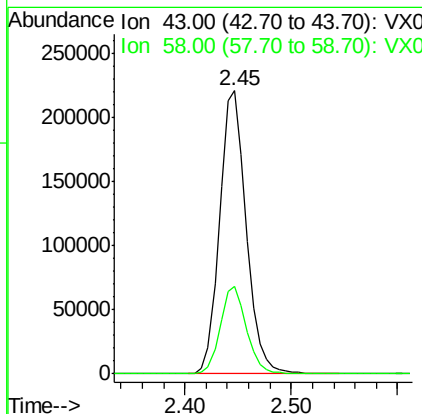
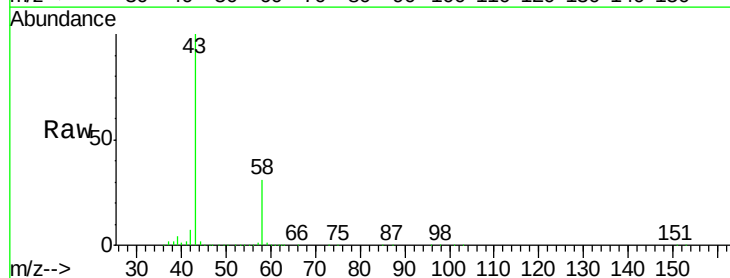
RT: 2.45 min Scan# 212

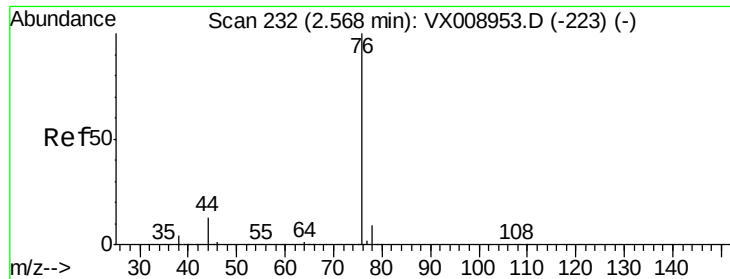
Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion:	43	Resp:	383644
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.8	37.2





#17

Carbon Disulfide

Concen: 47.937 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 339174

Ion Ratio Lower Upper

76 100

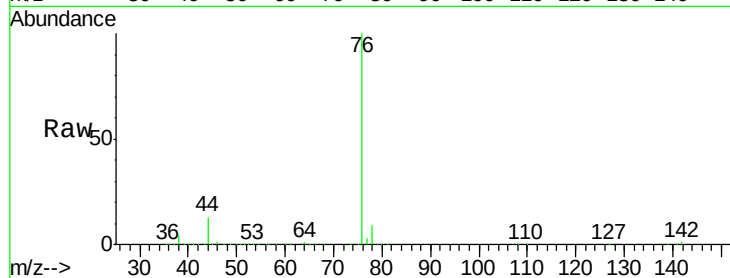
78 9.1 7.2 10.8

Manual Integrations

APPROVED

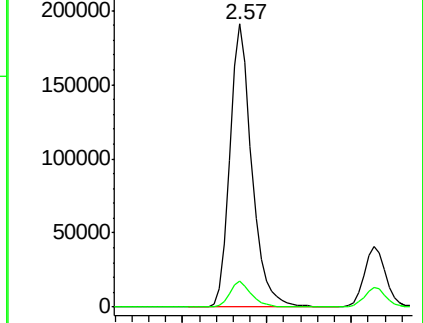
MMDadoda

4/16/2019 10:53:44 AM

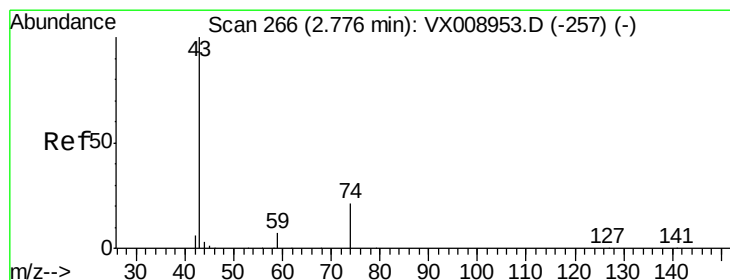
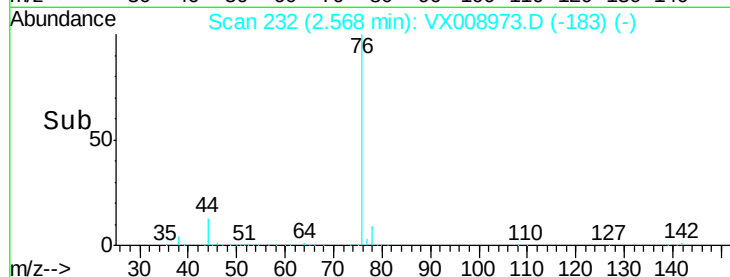


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 47.435 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008973.D

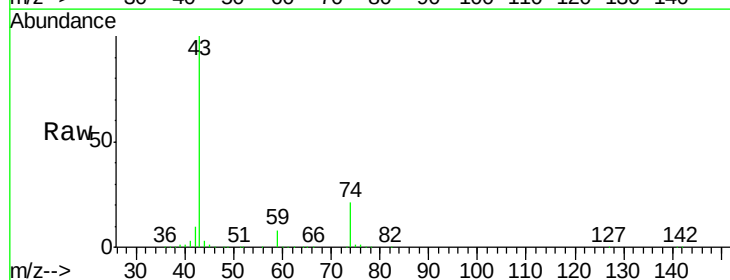
Acq: 15 Apr 2019 20:15

Tgt Ion: 43 Resp: 194472

Ion Ratio Lower Upper

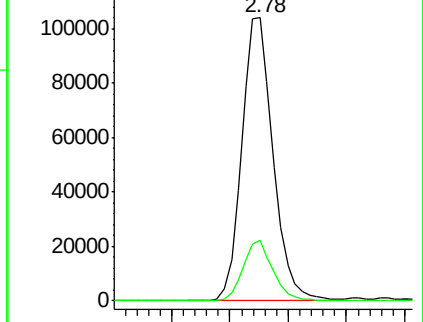
43 100

74 20.7 16.6 25.0

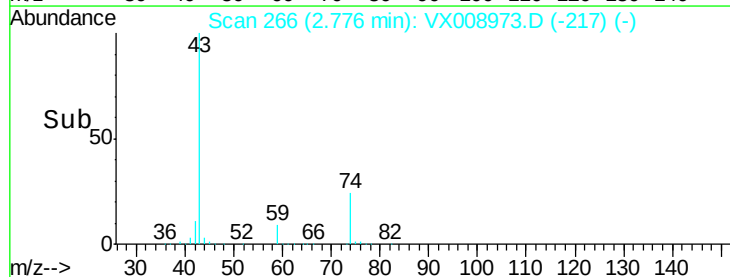


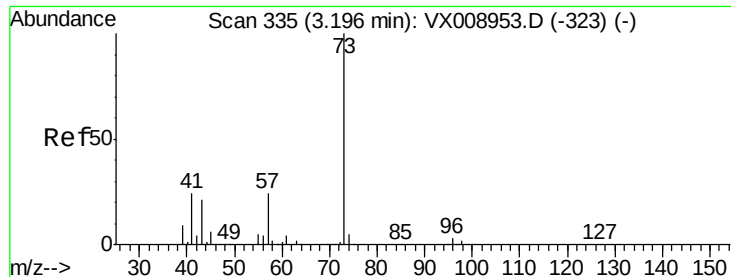
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





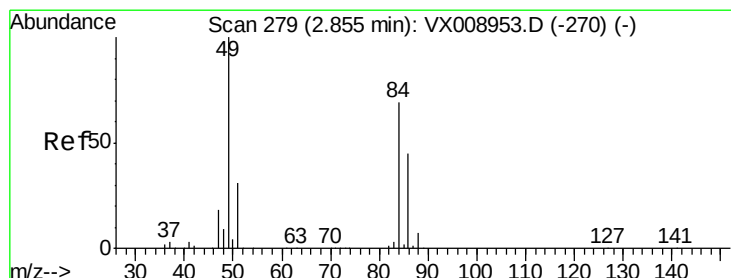
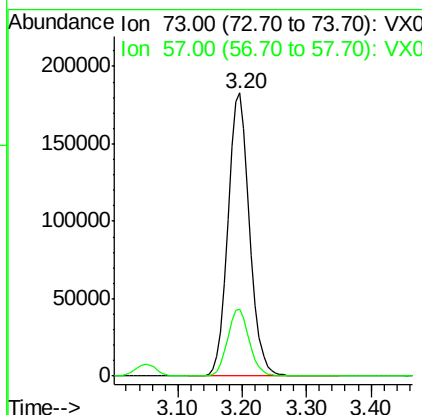
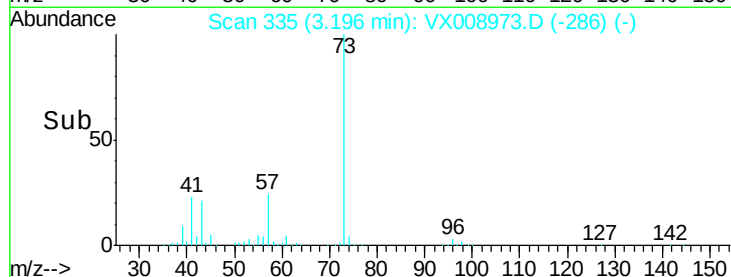
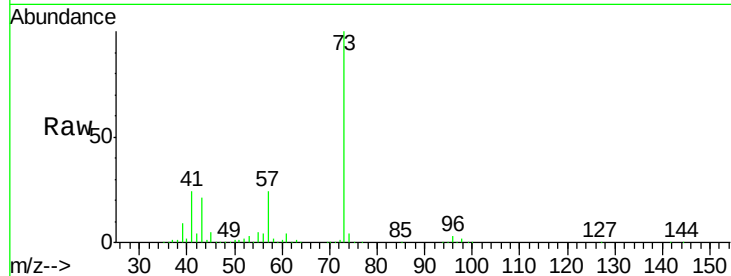
#19
Methyl tert-butyl Ether
Concen: 50.022 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.2	28.8

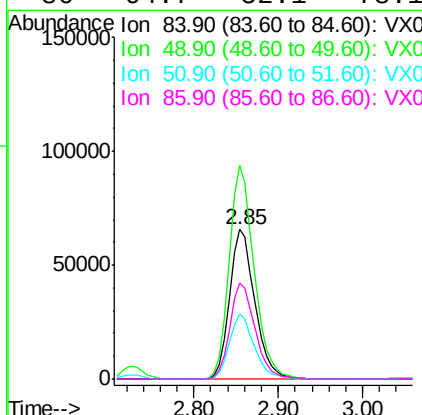
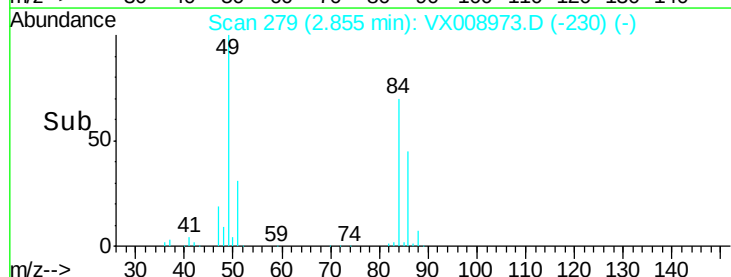
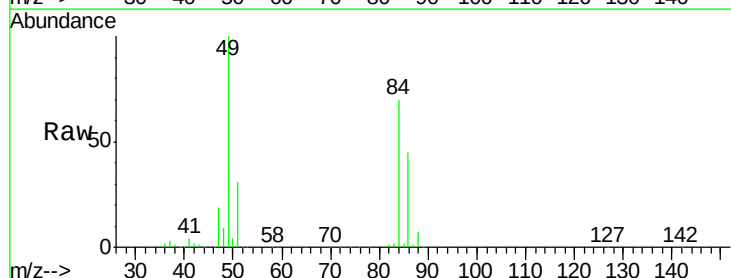
Manual Integrations
APPROVED

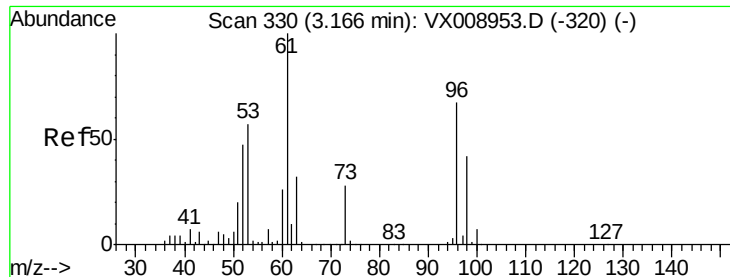
MMDadoda
4/16/2019 10:53:44 AM



#20
Methylene Chloride
Concen: 47.509 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.0	115.4	173.0
51	43.7	35.8	53.6
86	64.7	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 47.809 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

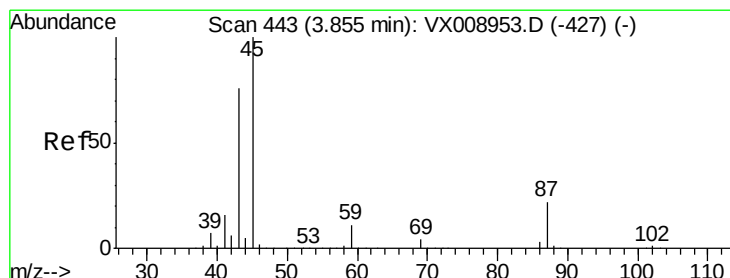
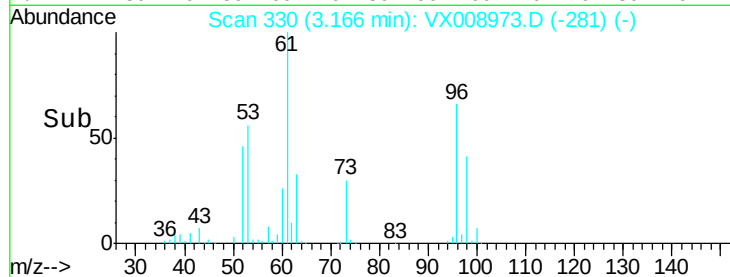
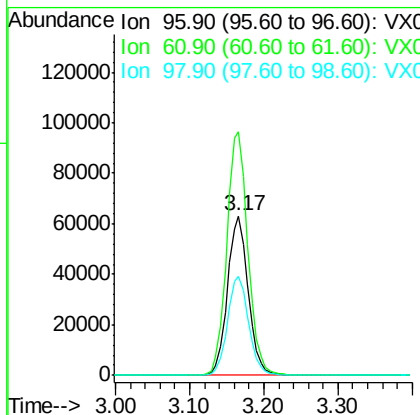
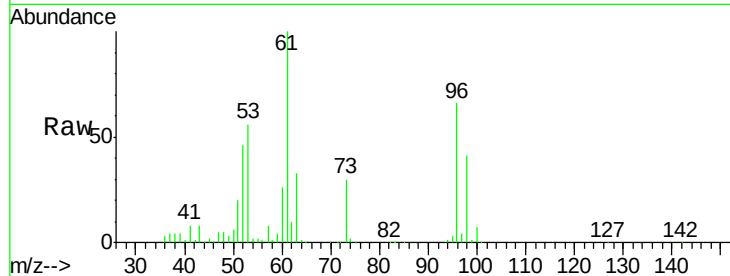
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	122916
Ion	Ratio	Lower	Upper
96	100		
61	152.6	120.3	180.5
98	62.2	50.2	75.2

Manual Integrations
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MMDadoda
4/16/2019 10:53:44 AM



#22

Diisopropyl ether

Concen: 50.264 ug/l

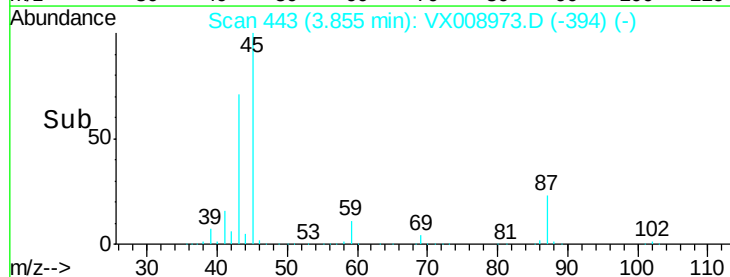
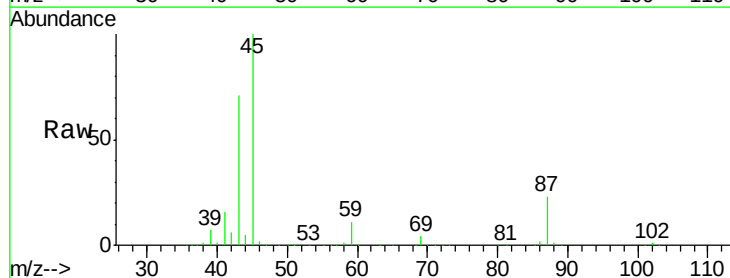
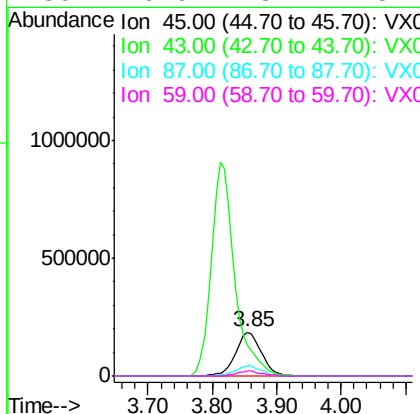
RT: 3.85 min Scan# 443

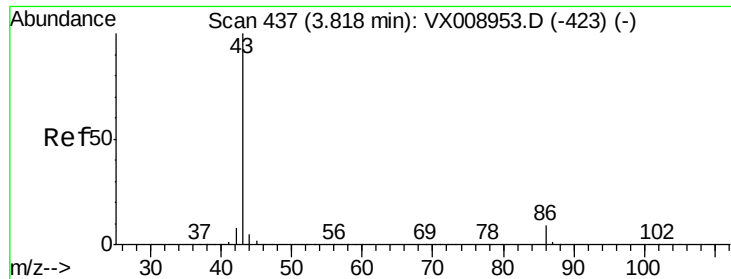
Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion:	45	Resp:	513641
Ion	Ratio	Lower	Upper
45	100		
43	70.7	60.6	91.0
87	23.0	17.8	26.8
59	10.9	8.7	13.1





#23

Vinyl Acetate

Concen: 258.338 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2320581

Ion Ratio Lower Upper

43 100

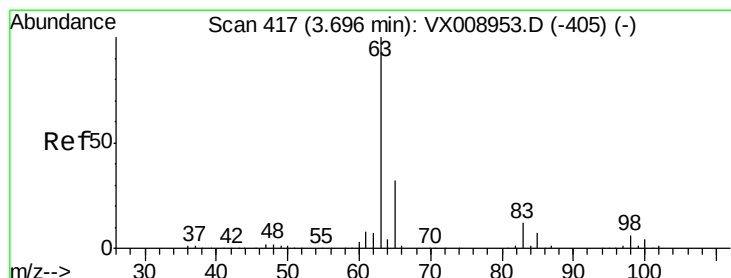
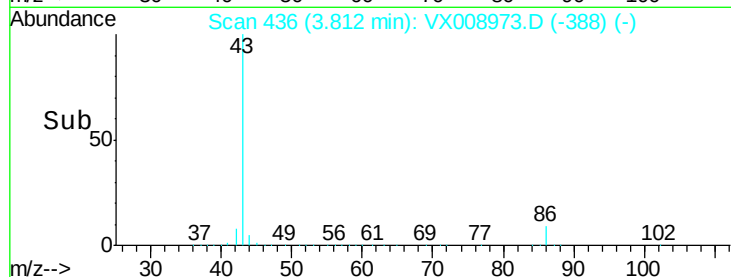
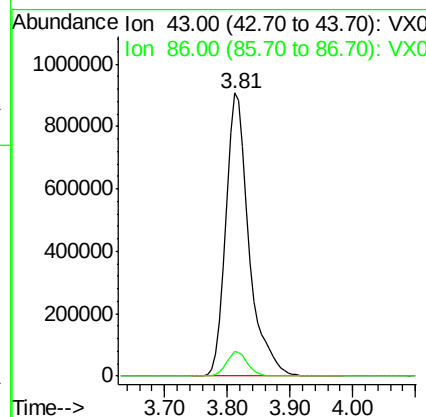
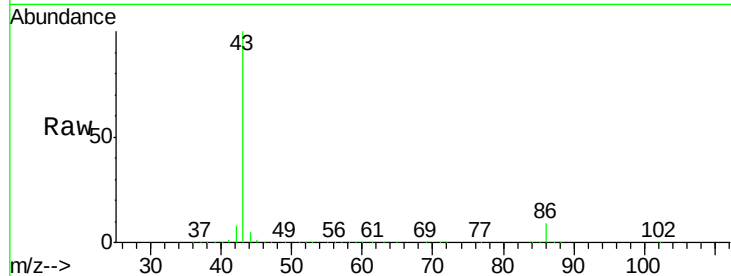
86 8.6 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:53:44 AM



#24

1,1-Dichloroethane

Concen: 49.092 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

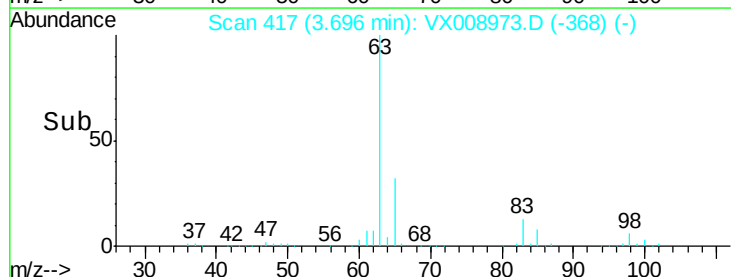
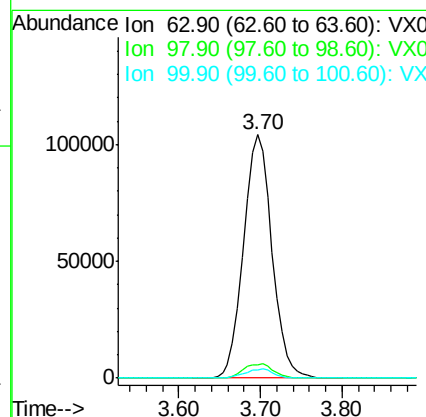
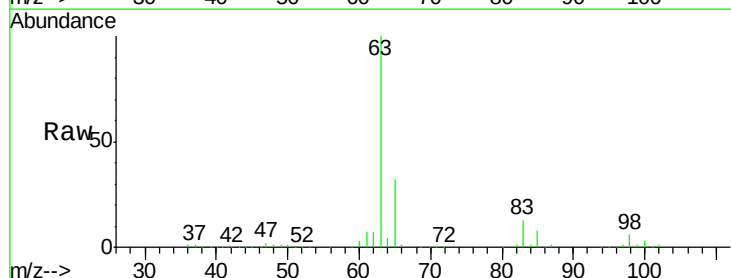
Tgt Ion: 63 Resp: 251824

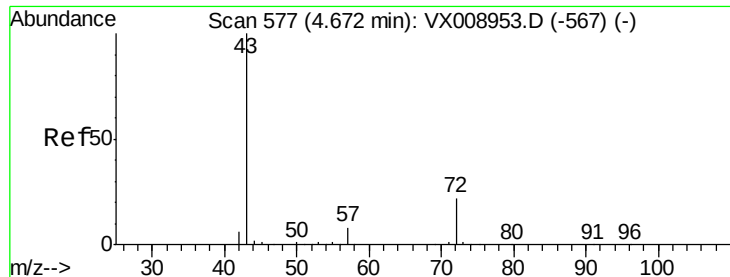
Ion Ratio Lower Upper

63 100

98 5.6 3.1 9.3

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 250.951 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 658929

Ion Ratio Lower Upper

43 100

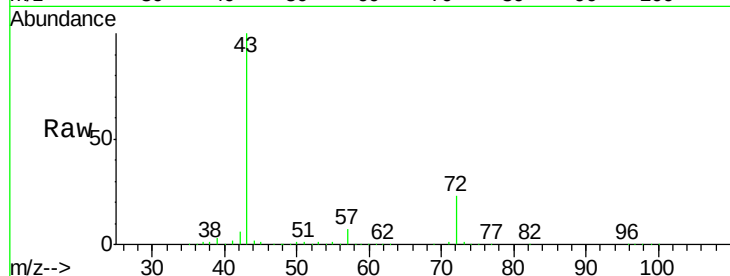
72 22.5 17.5 26.3

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:53:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

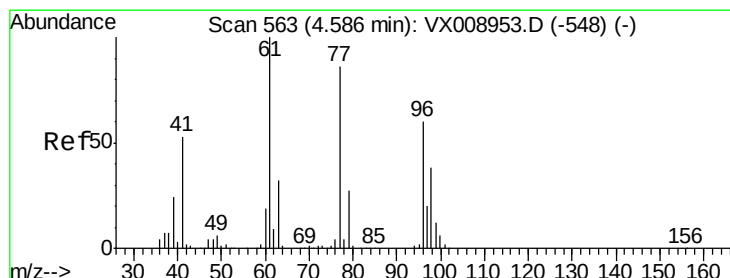
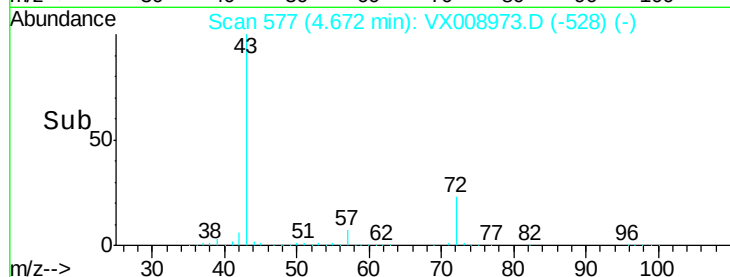
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.009 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008973.D

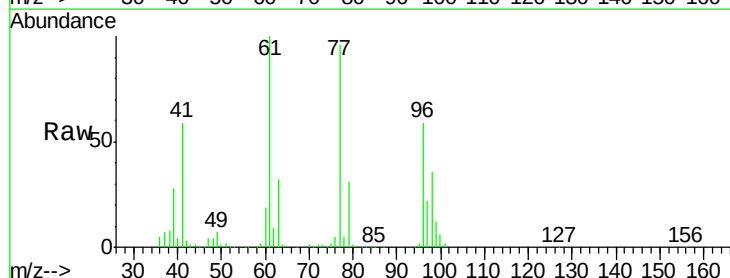
Acq: 15 Apr 2019 20:15

Tgt Ion: 77 Resp: 176910

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

40000

20000

0

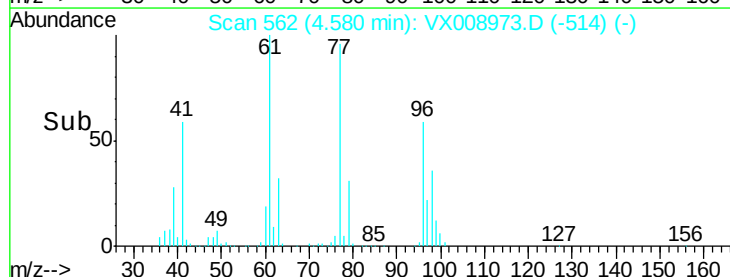
4.40

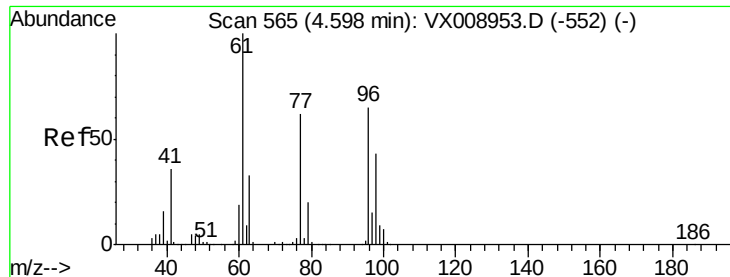
4.50

4.60

4.70

Time-->





#27

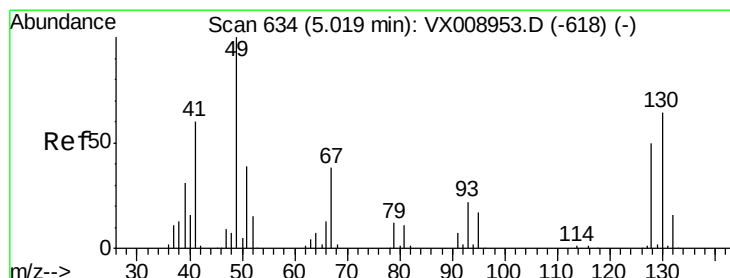
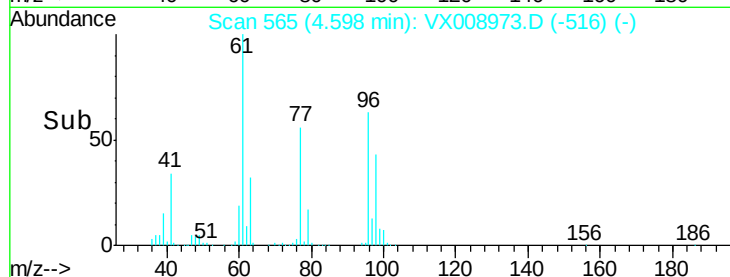
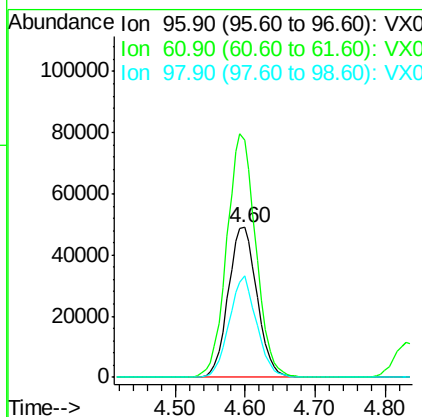
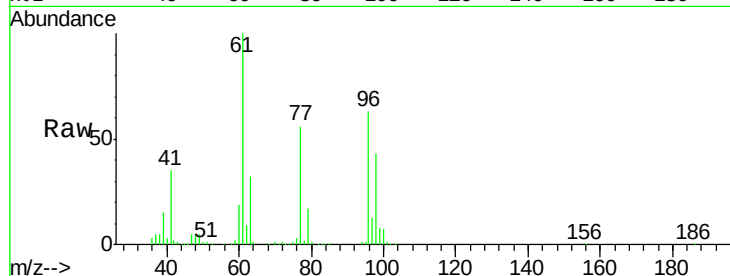
cis-1,2-Dichloroethene
Concen: 48.166 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	163.5	0.0	322.0	
98	64.1	0.0	128.4	

Manual Integrations
APPROVED

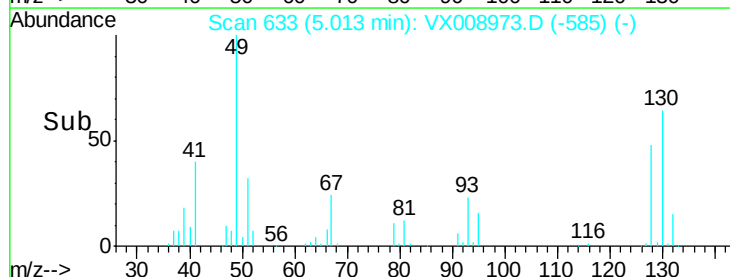
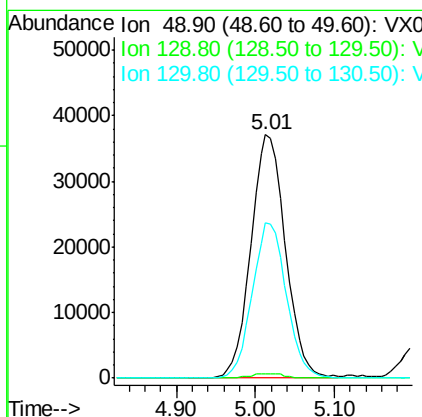
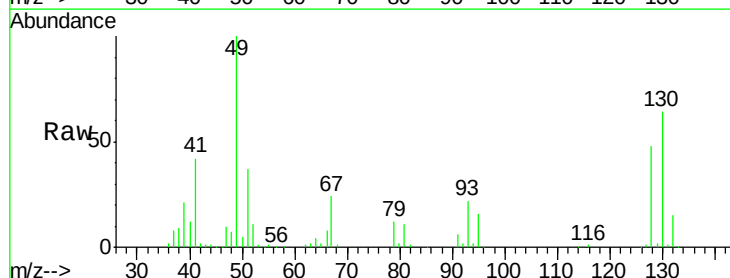
MMDadoda
4/16/2019 10:53:44 AM

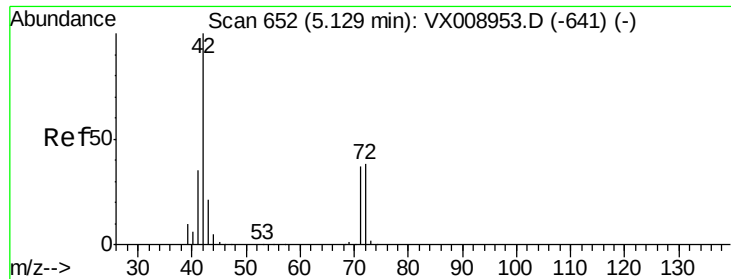


#28

Bromochloromethane
Concen: 53.132 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	63.0	50.4	75.6	





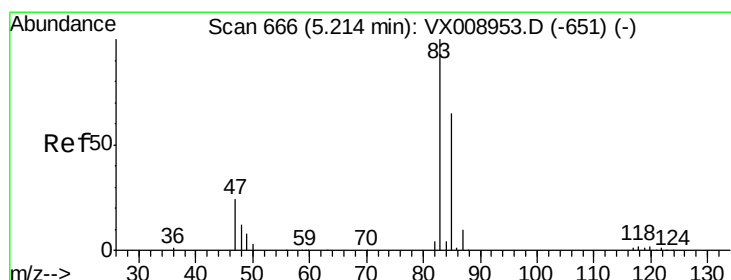
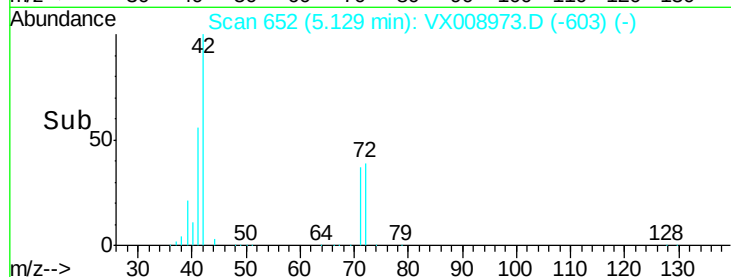
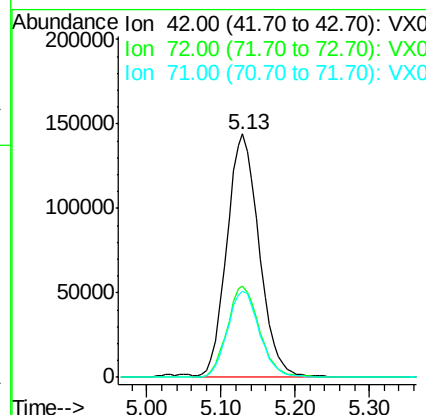
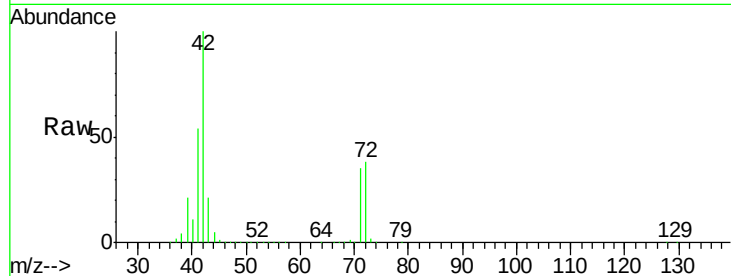
#29
Tetrahydrofuran
Concen: 247.172 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.6	45.8
71	35.4	28.8	43.2

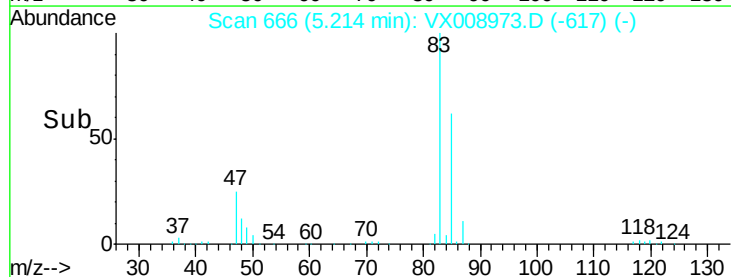
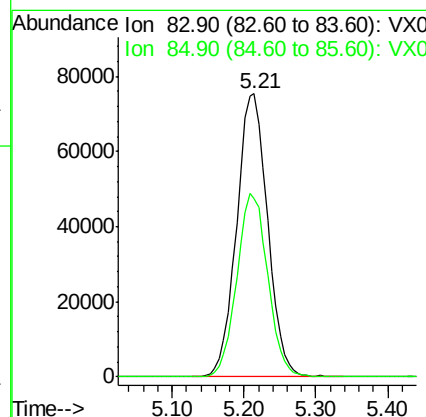
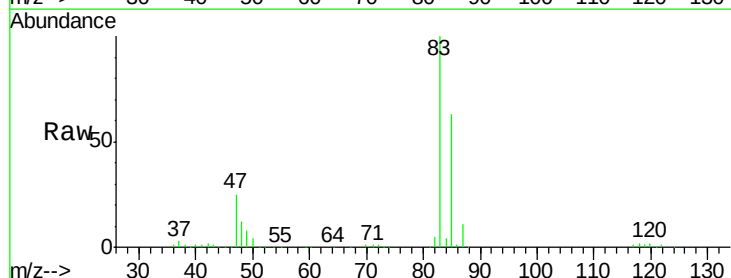
Manual Integrations
APPROVED

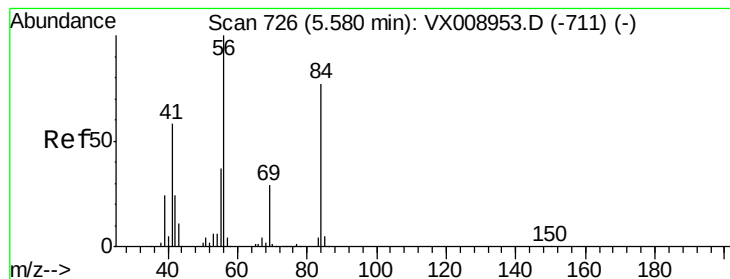
MMDadoda
4/16/2019 10:53:44 AM



#30
Chloroform
Concen: 49.076 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.9	77.9





#31

Cyclohexane

Concen: 49.560 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

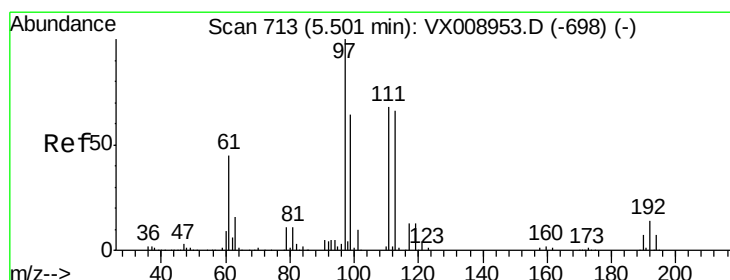
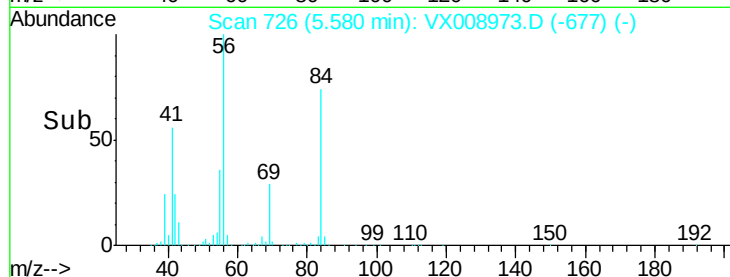
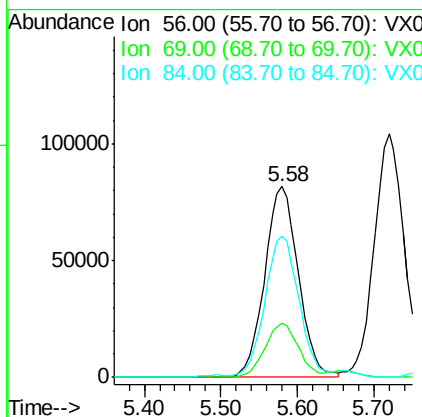
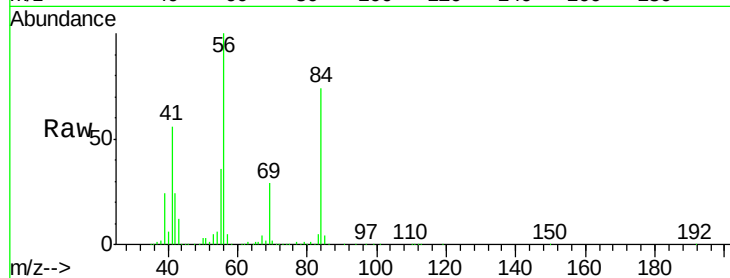
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	250047
Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.3	34.9
84	73.9	61.7	92.5

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 49.628 ug/l

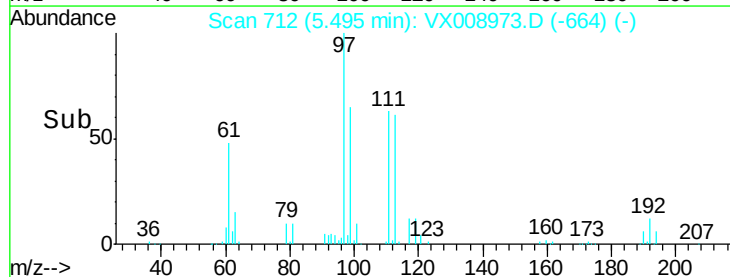
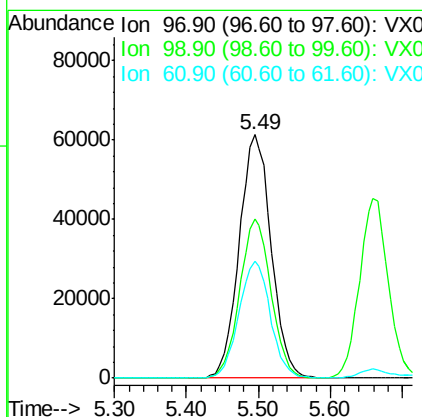
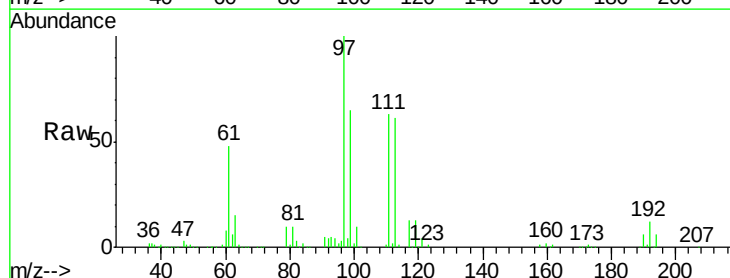
RT: 5.49 min Scan# 712

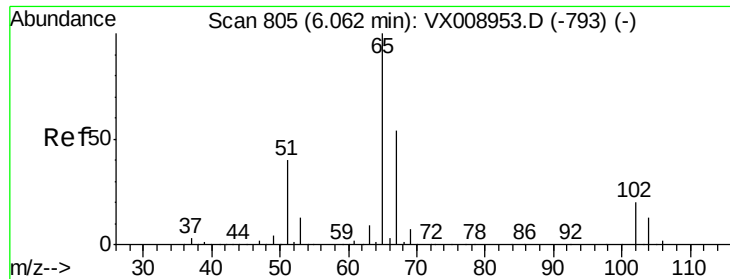
Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion:	97	Resp:	188807
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	47.4	37.9	56.9





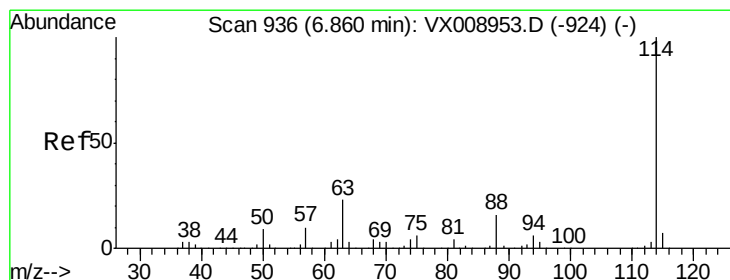
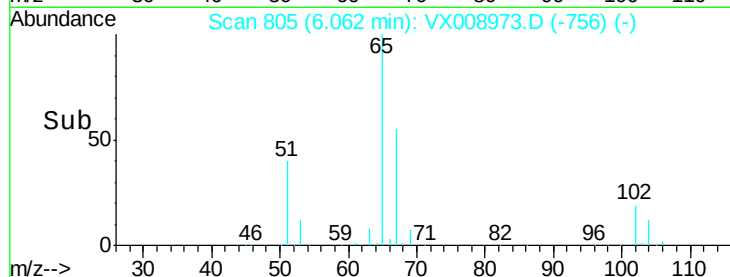
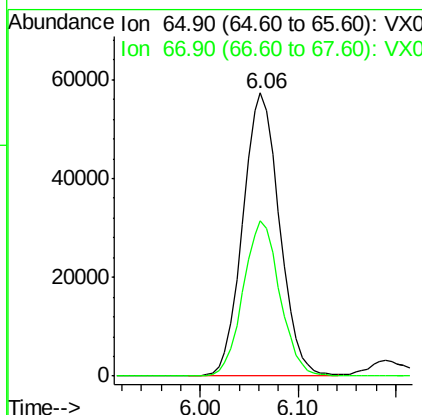
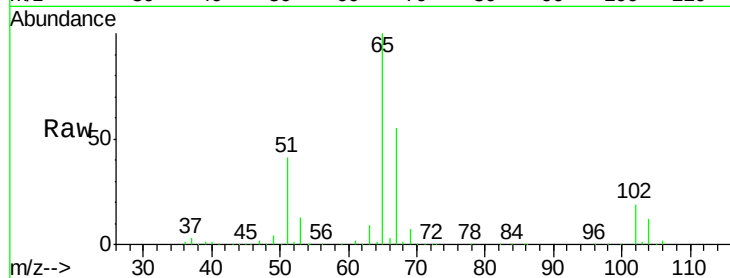
#33
 1,2-Dichloroethane-d4
 Concen: 47.117 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	108.6

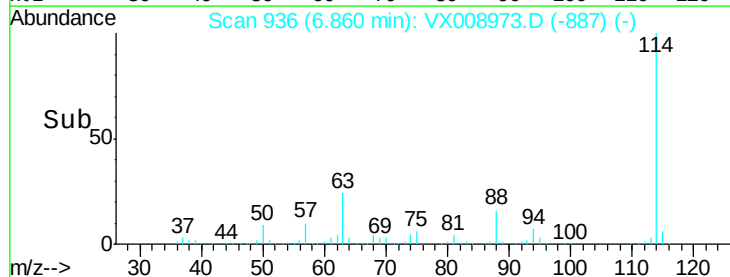
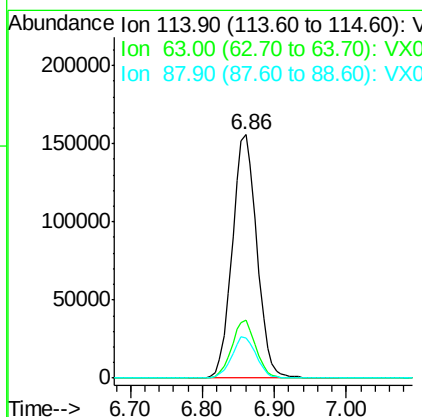
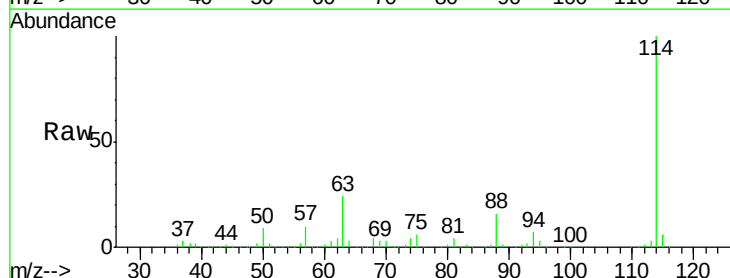
Manual Integrations
 APPROVED

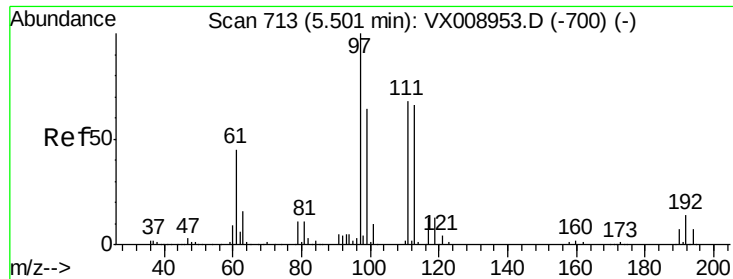
MMDadoda
 4/16/2019 10:53:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	46.0
88	16.4	0.0	32.6





#35

Dibromofluoromethane

Concen: 46.406 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

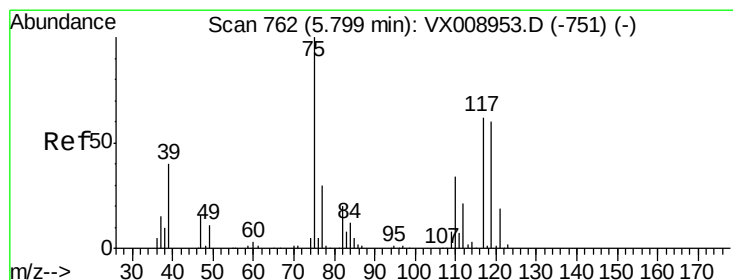
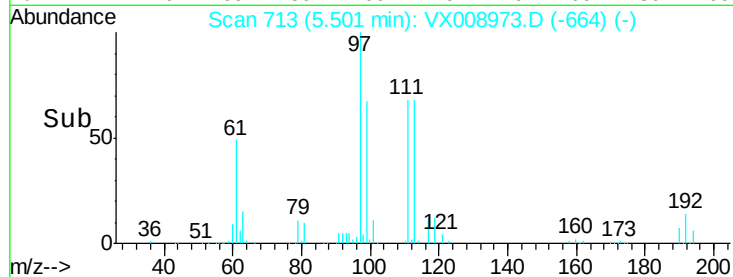
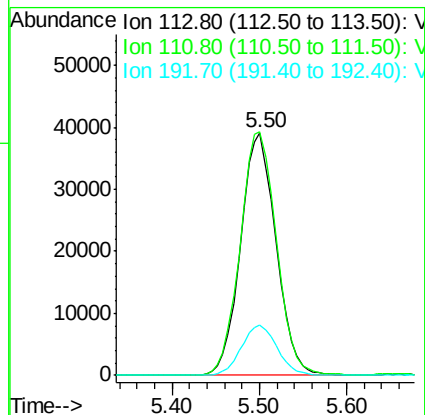
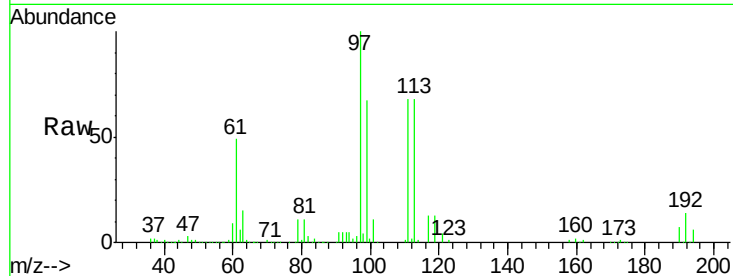
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	110023
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	21.0	17.4	26.0

Manual Integrations
APPROVED

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4/16/2019 10:53:44 AM



#36

1,1-Dichloropropene

Concen: 46.744 ug/l

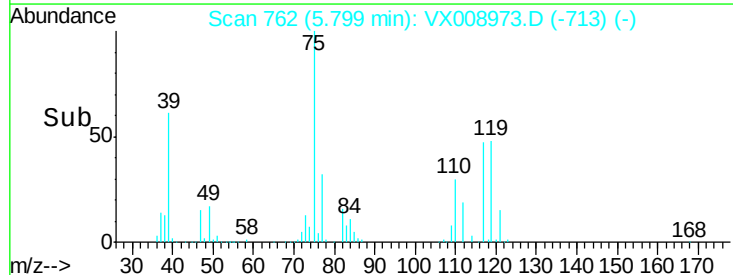
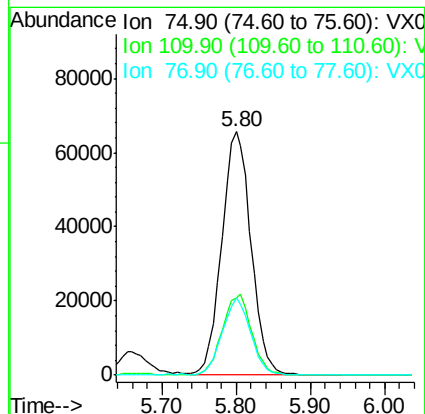
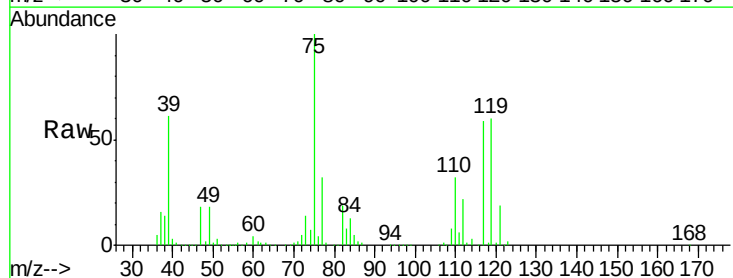
RT: 5.80 min Scan# 762

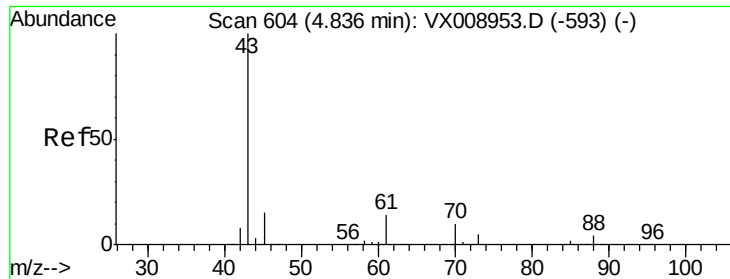
Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion:	75	Resp:	178593
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	30.9	25.0	37.4





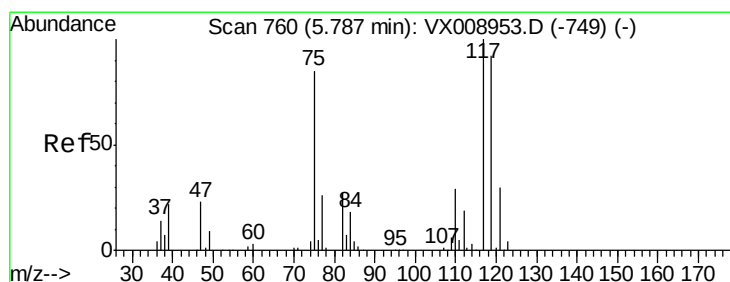
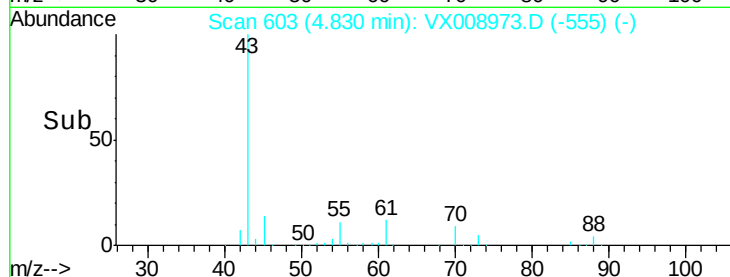
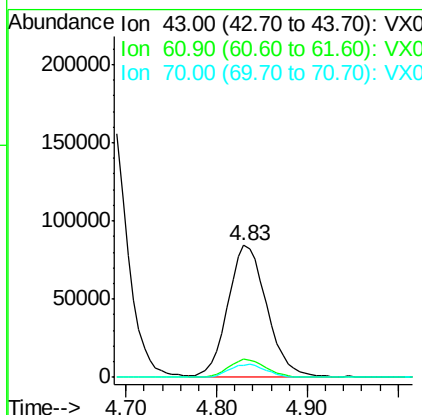
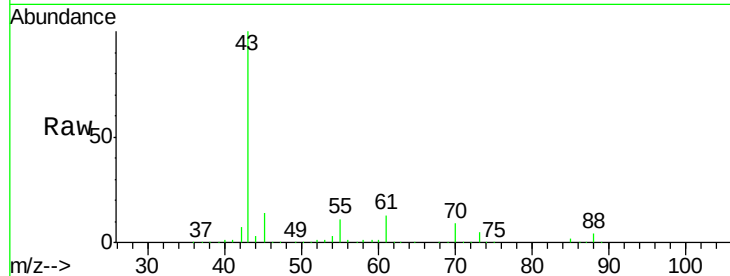
#37
Ethyl Acetate
Concen: 50.432 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	247939
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	9.5	7.7	11.5

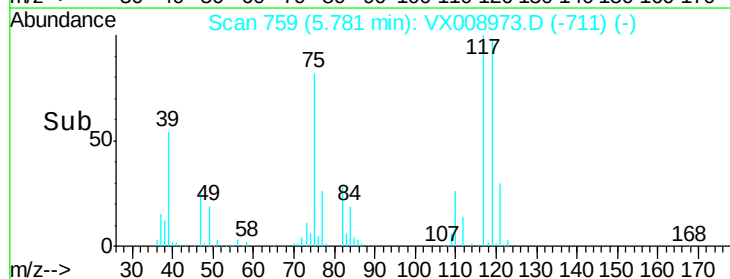
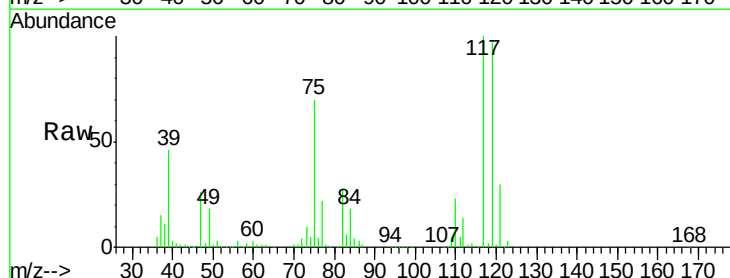
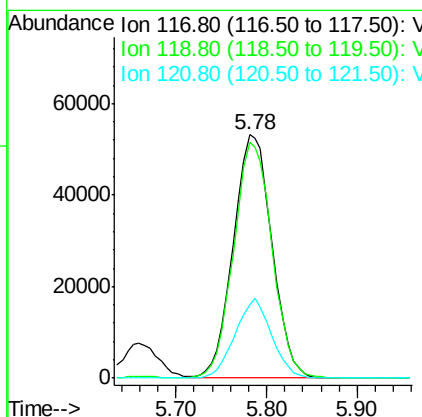
Manual Integrations
APPROVED

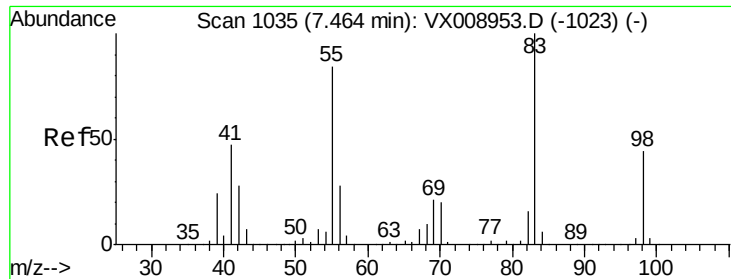
MMDadoda
4/16/2019 10:53:44 AM



#38
Carbon Tetrachloride
Concen: 48.379 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion:	117	Resp:	156699
Ion	Ratio	Lower	Upper
117	100		
119	97.2	73.8	110.8
121	30.4	23.6	35.4





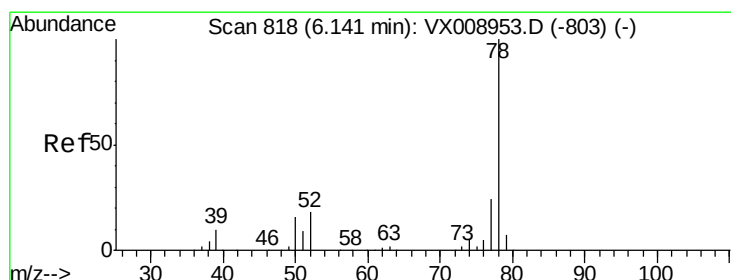
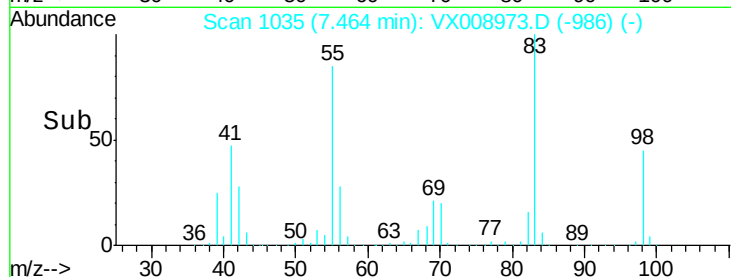
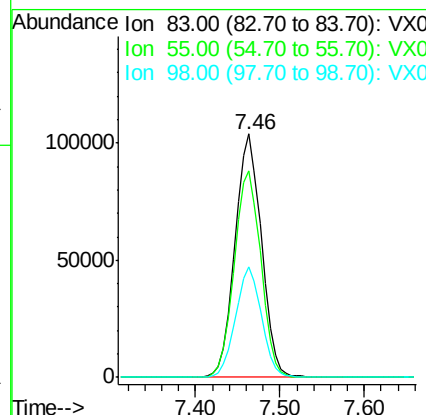
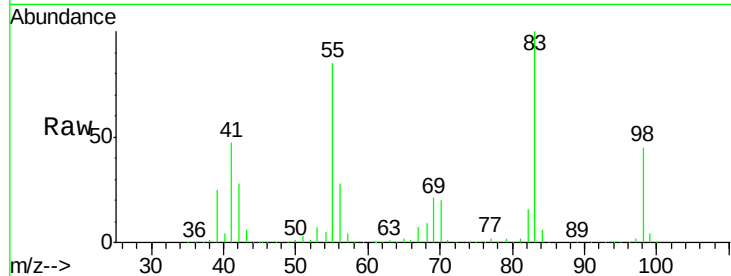
#39
Methylvlcyclohexane
Concen: 47.405 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	220520
Ion	Ratio	Lower	Upper
83	100		
55	85.0	67.1	100.7
98	45.2	35.1	52.7

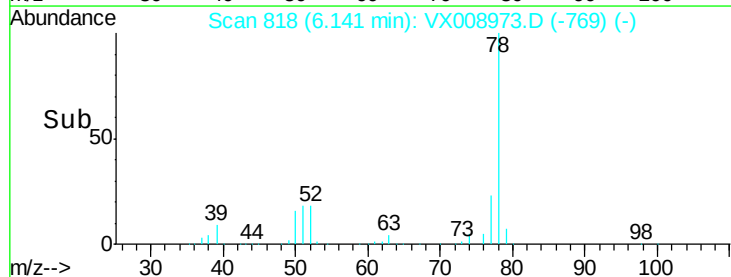
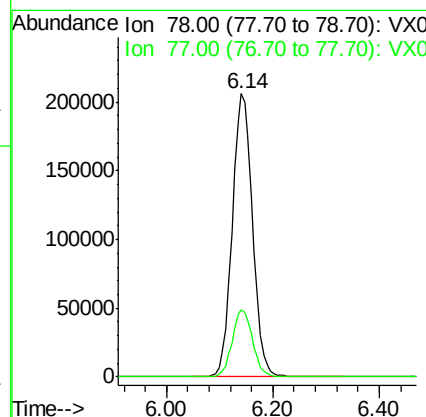
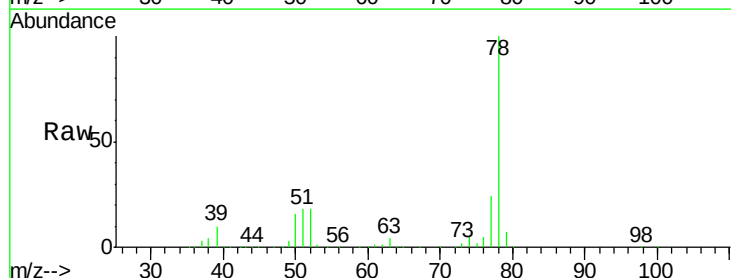
Manual Integrations
APPROVED

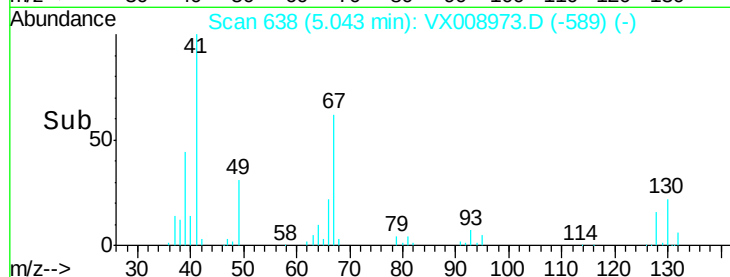
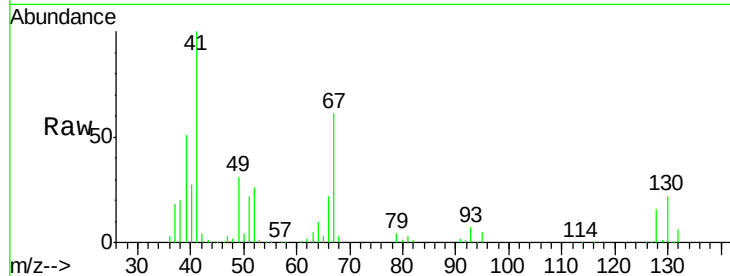
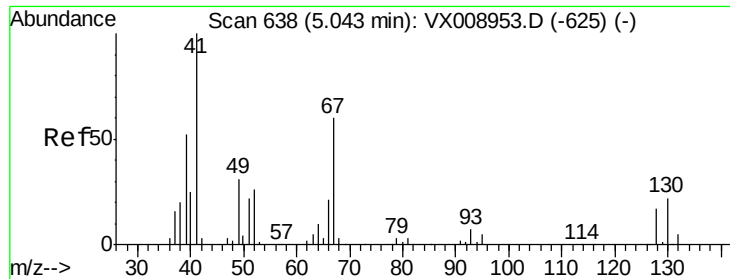
MMDadoda
4/16/2019 10:53:44 AM



#40
Benzene
Concen: 48.677 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

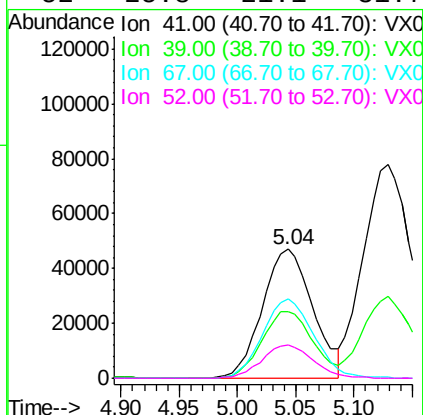
Tgt Ion	78	Resp	548649
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





#41
Methacrylonitrile
Concen: 50.004 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

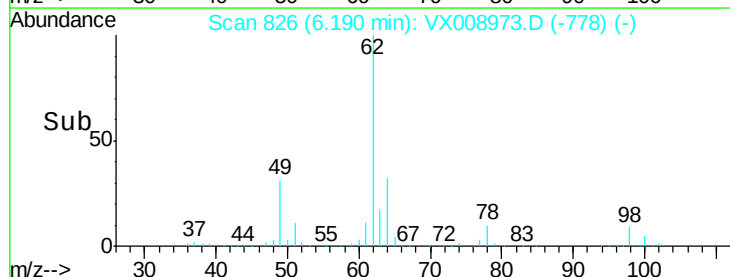
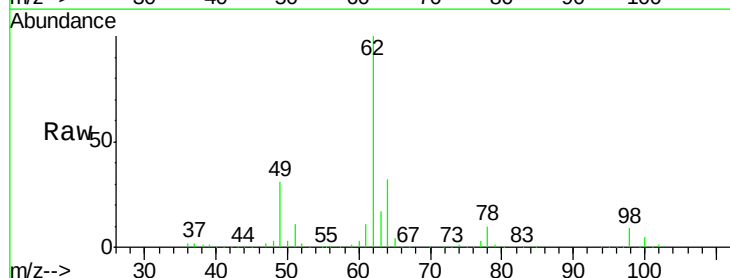
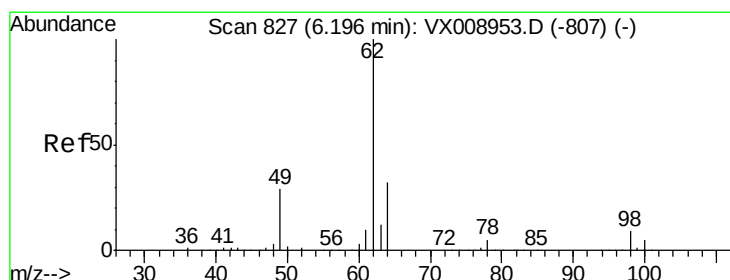
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	41.8	62.6	
67	62.8	50.2	75.4	
52	25.8	21.1	31.7	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

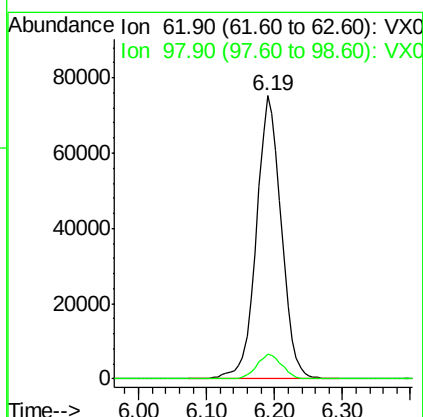
Manual Integrations
APPROVED

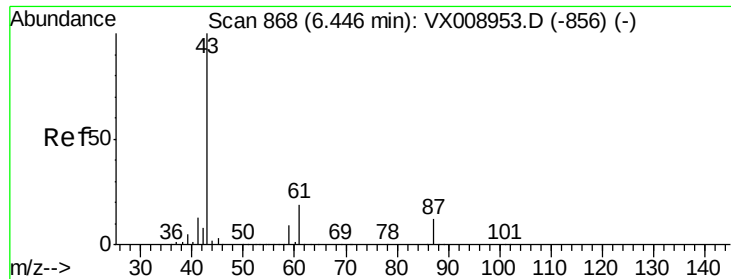
MMDadoda
4/16/2019 10:53:44 AM



#42
1,2-Dichloroethane
Concen: 48.275 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	0.0	18.4	





#43

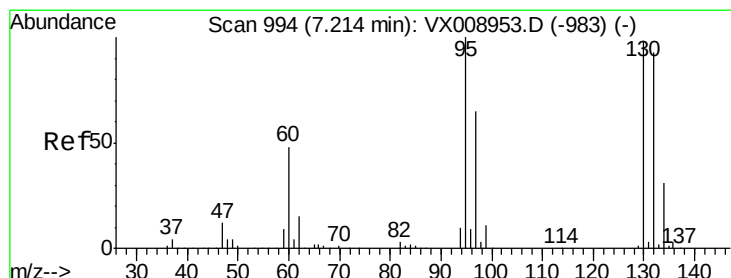
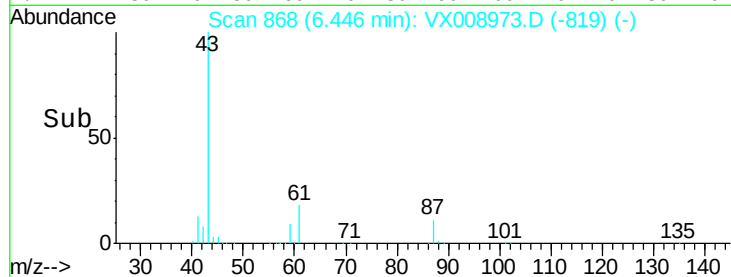
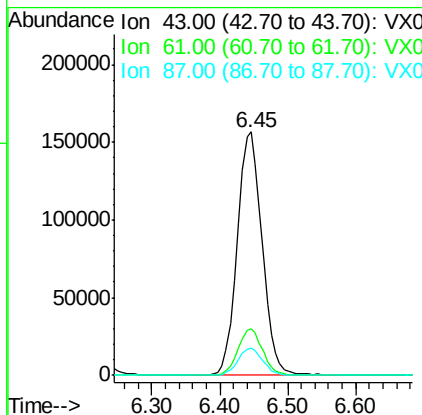
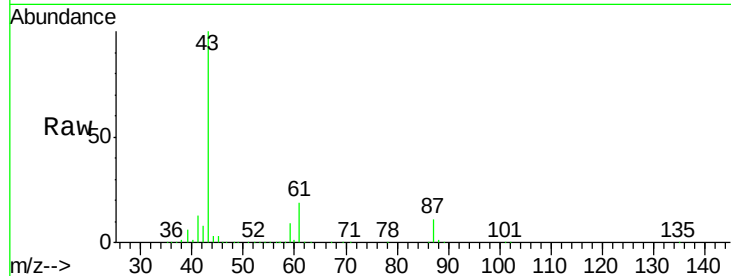
Isopropyl Acetate
 Concen: 49.936 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.4	9.0	13.4

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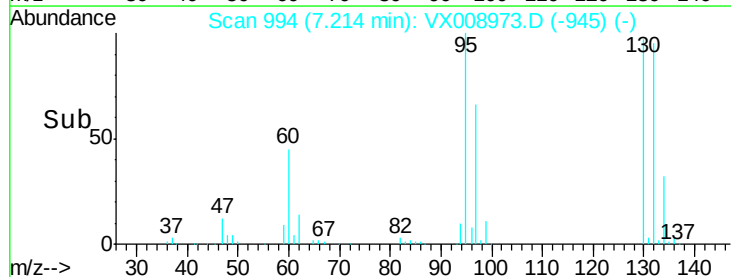
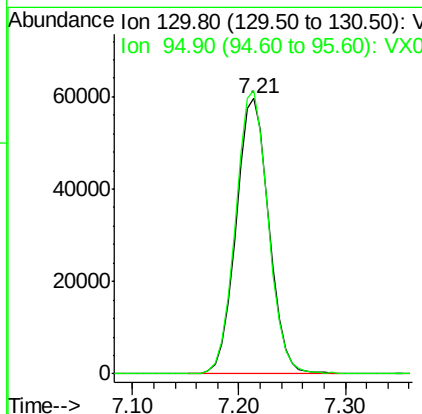
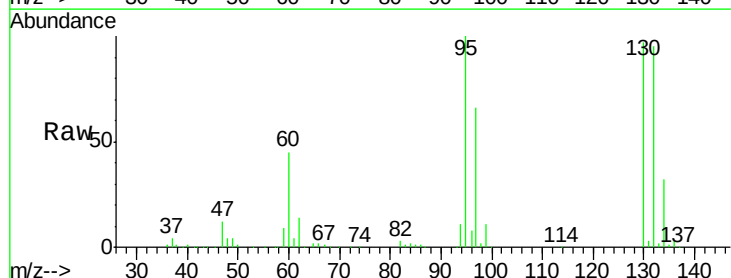
MMDadoda
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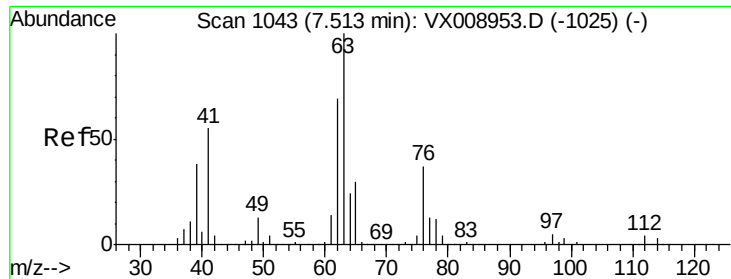


#44

Trichloroethene
 Concen: 46.690 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.2





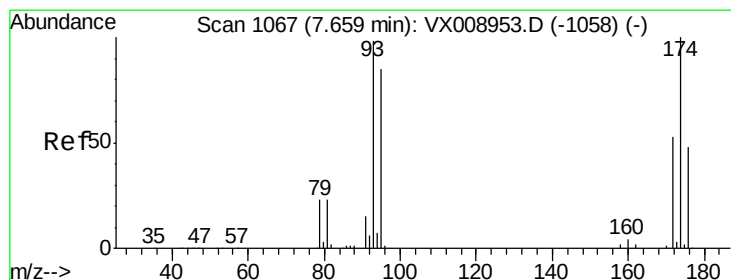
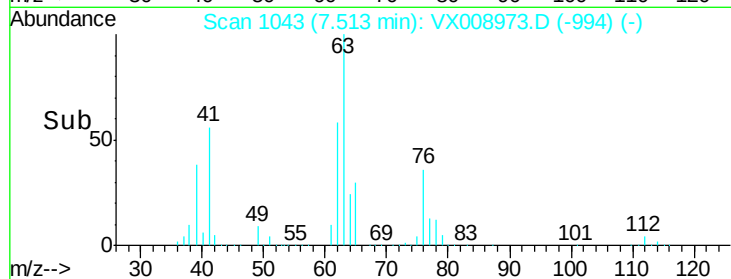
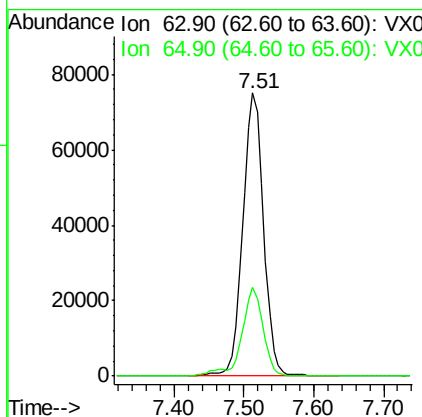
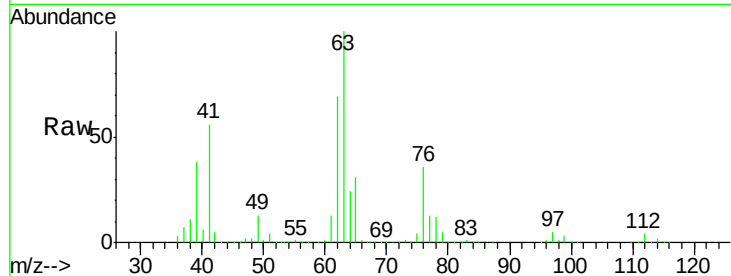
#45
 1,2-Dichloropropane
 Concen: 49.606 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 155114
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.1 36.1

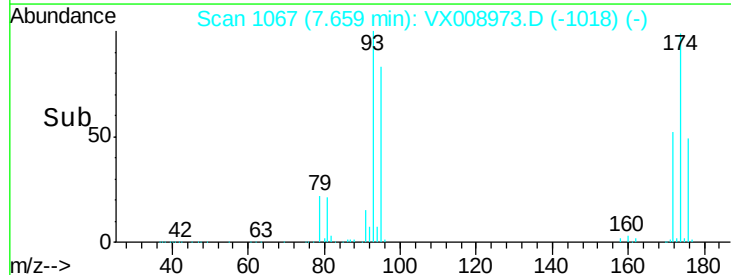
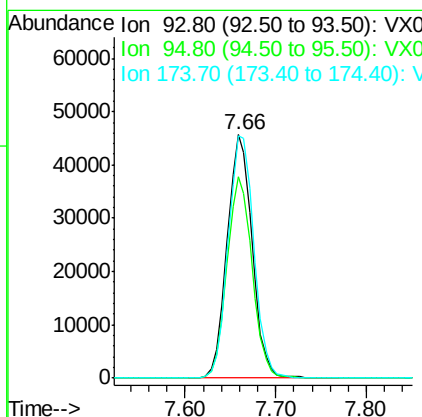
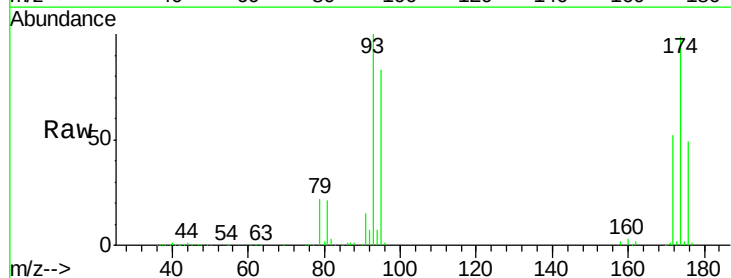
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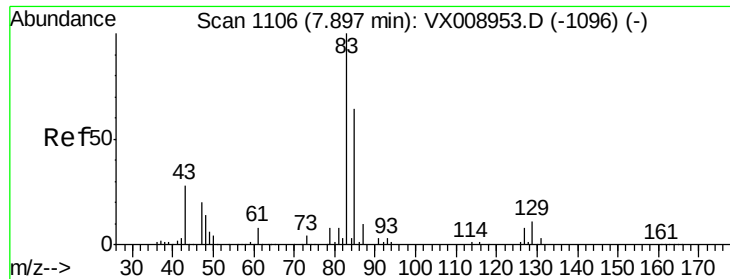
MMDadoda
 4/16/2019 10:53:44 AM



#46
 Dibromomethane
 Concen: 48.039 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion: 93 Resp: 87421
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.0 100.4
 174 102.0 81.6 122.4





#47

Bromodichloromethane

Concen: 49.183 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

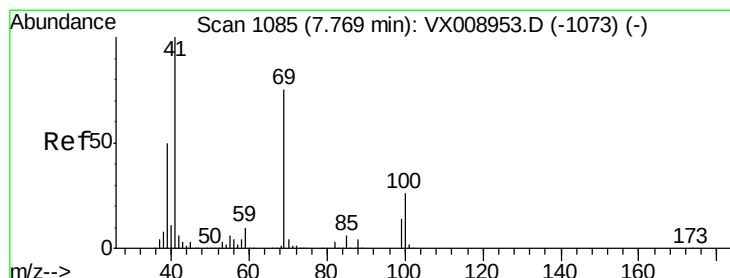
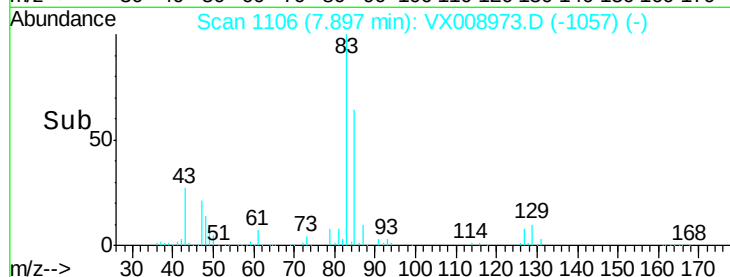
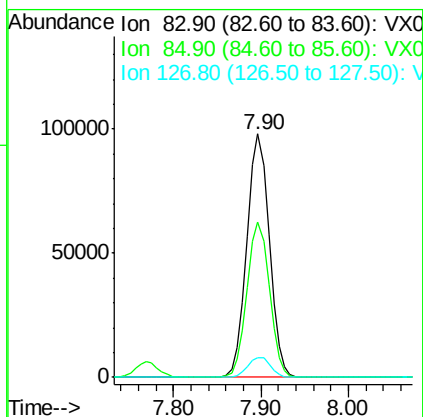
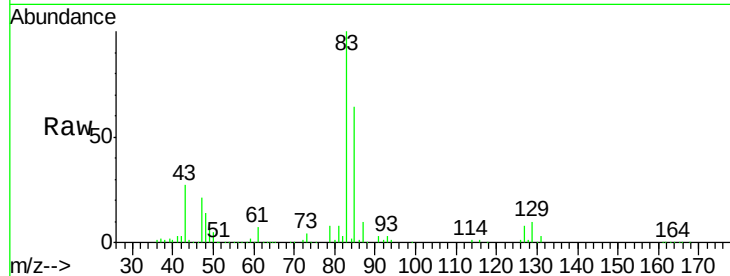
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	175546
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.8	76.2
127	8.2	6.4	9.6

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#48

Methyl methacrylate

Concen: 50.965 ug/l

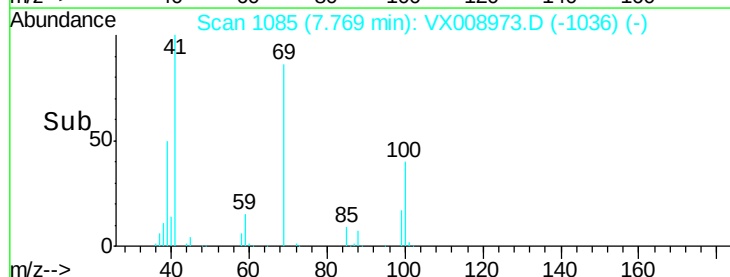
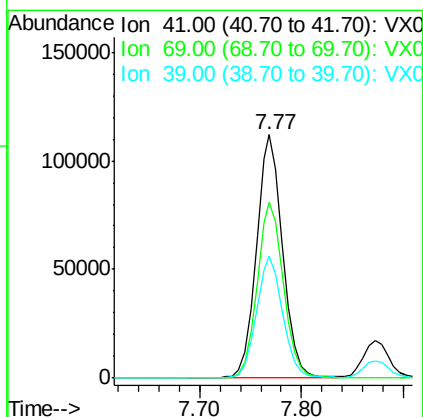
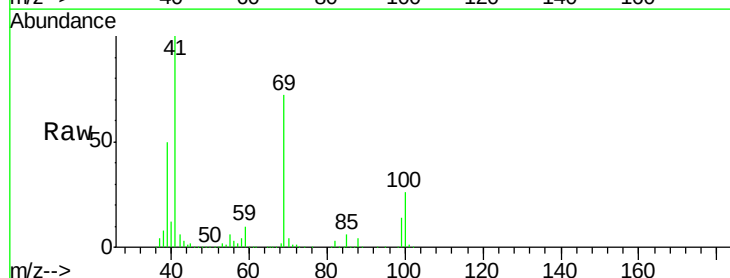
RT: 7.77 min Scan# 1085

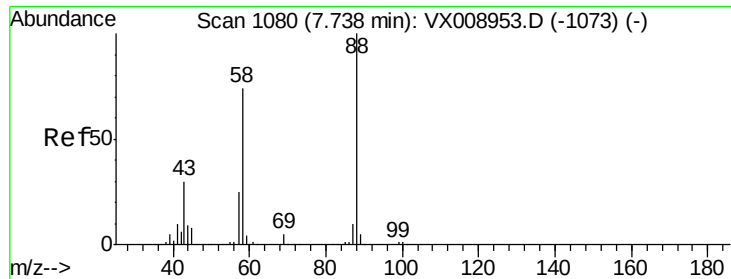
Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion:	41	Resp:	199510
Ion Ratio	Lower	Upper	
41	100		
69	73.1	59.4	89.2
39	50.3	39.8	59.6





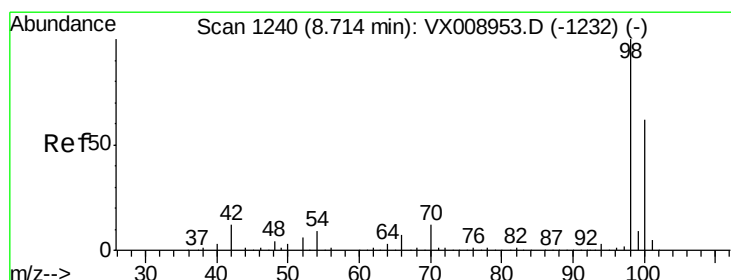
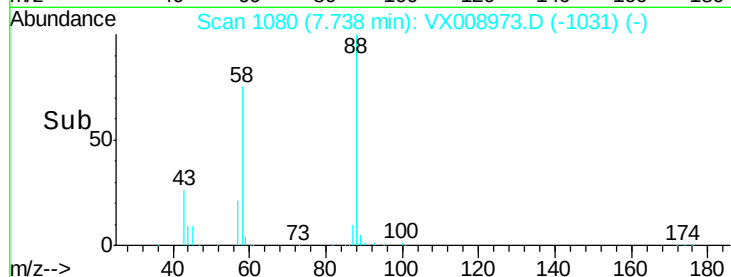
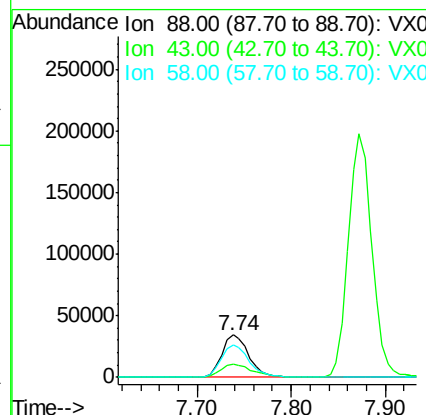
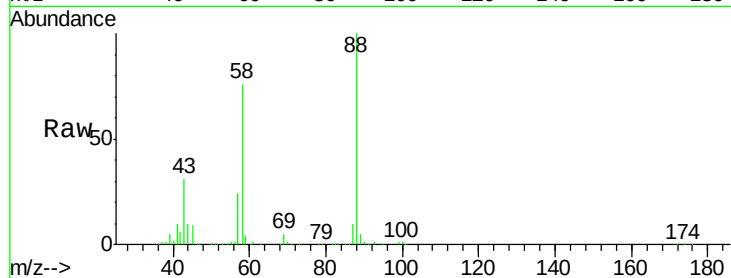
#49
1,4-Dioxane
Concen: 941.175 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.3	43.9
58	78.7	62.6	93.8

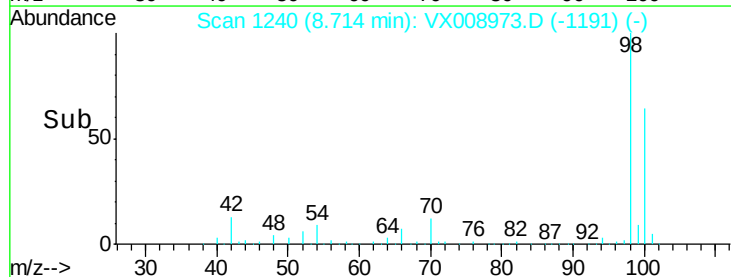
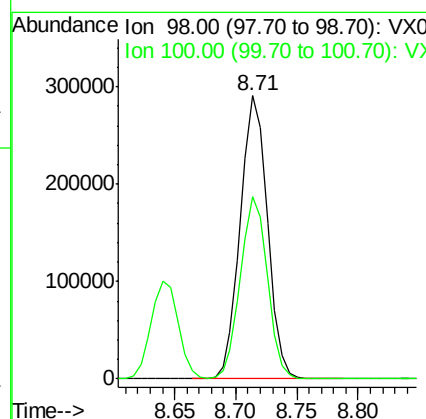
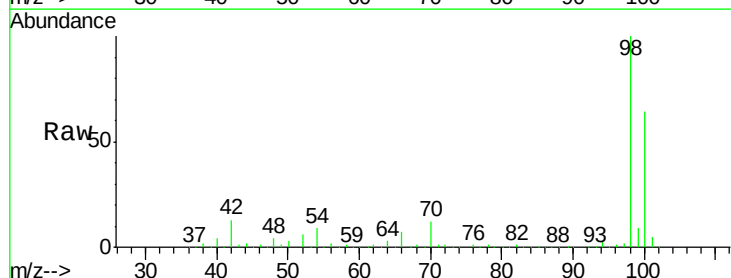
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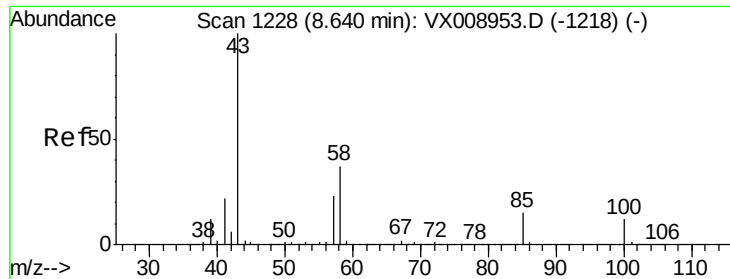
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#50
Toluene-d8
Concen: 47.248 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 248.765 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 125597

Ion Ratio Lower Upper

43 100

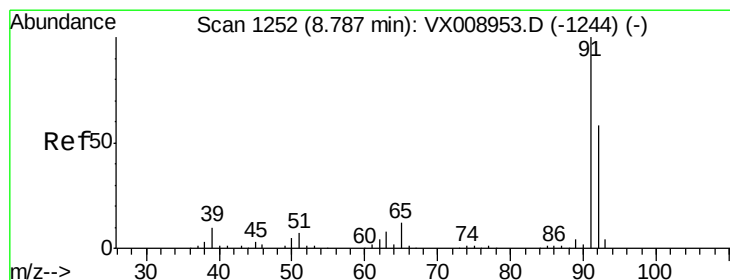
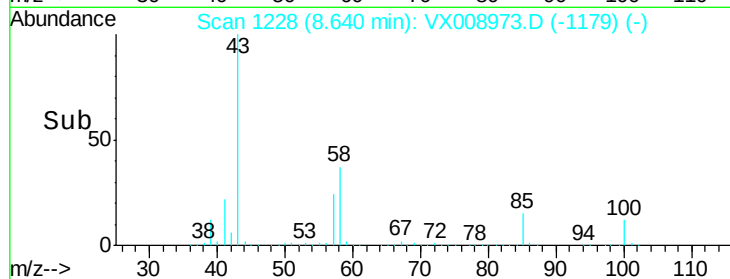
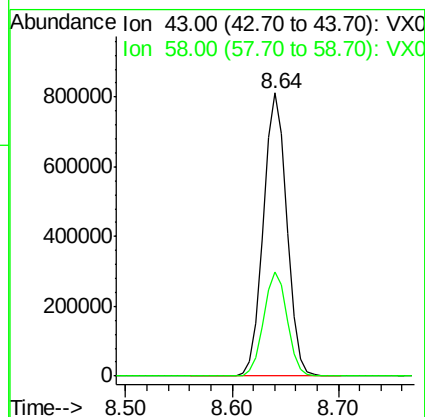
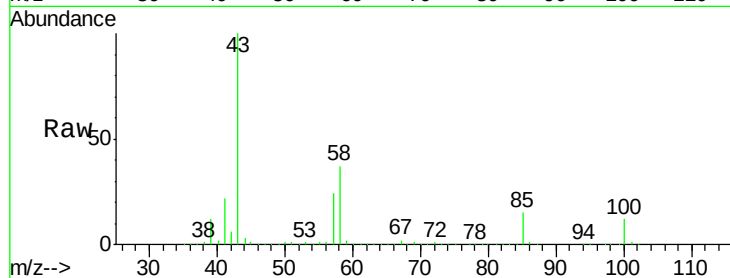
58 37.0 29.8 44.6

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#52

Toluene

Concen: 48.638 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008973.D

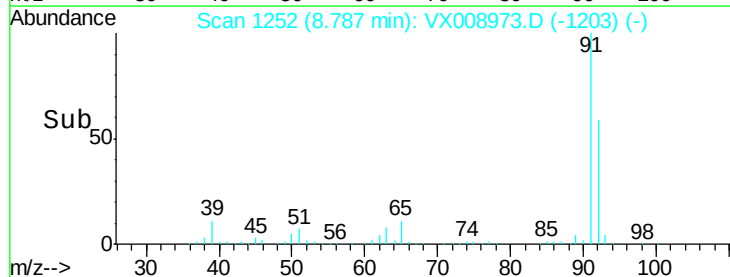
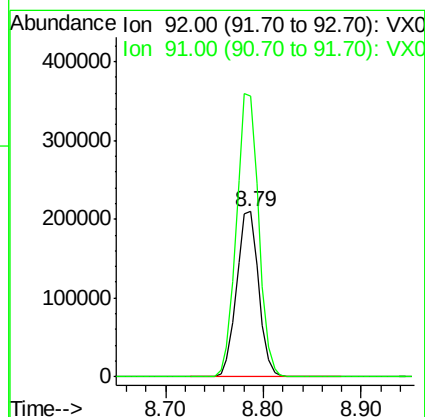
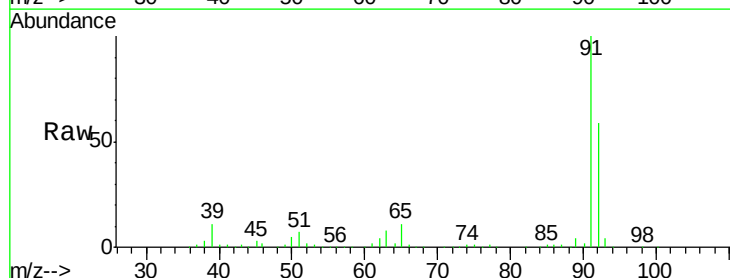
Acq: 15 Apr 2019 20:15

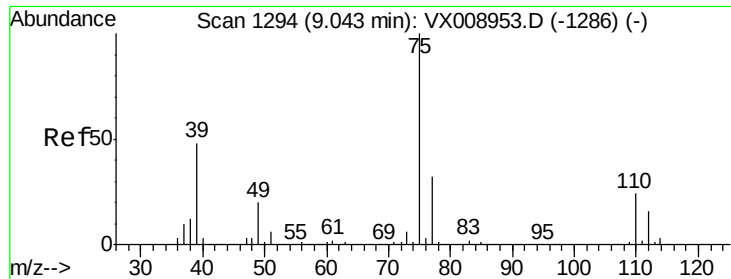
Tgt Ion: 92 Resp: 328548

Ion Ratio Lower Upper

92 100

91 172.5 138.5 207.7





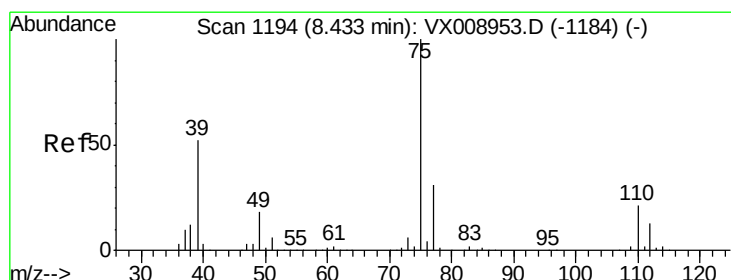
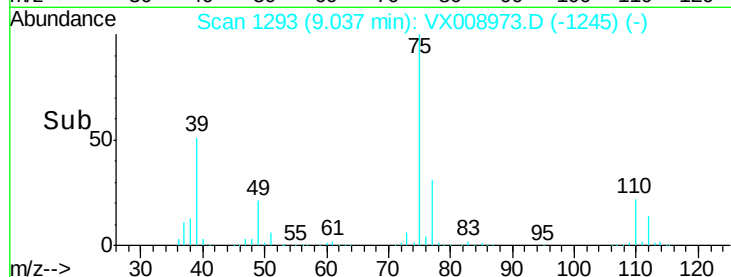
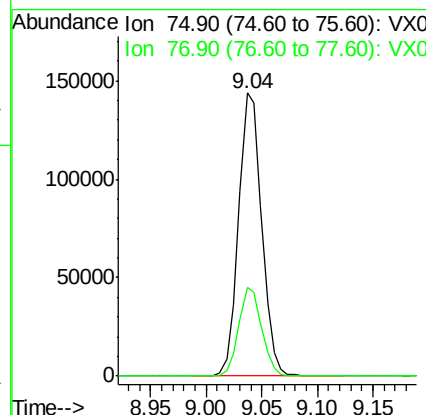
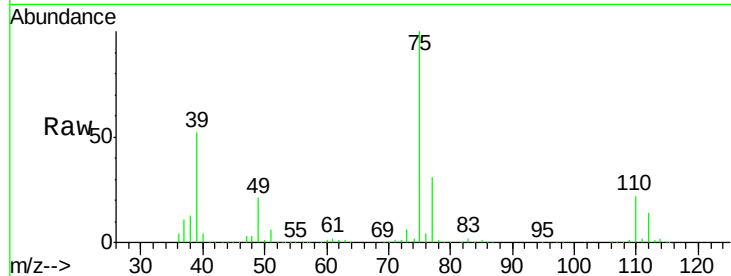
#53
 t-1,3-Dichloropropene
 Concen: 50.351 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 206826
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2

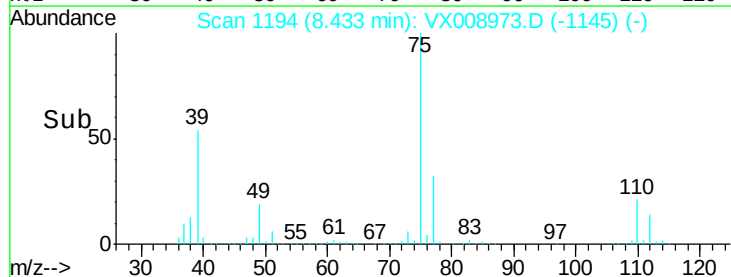
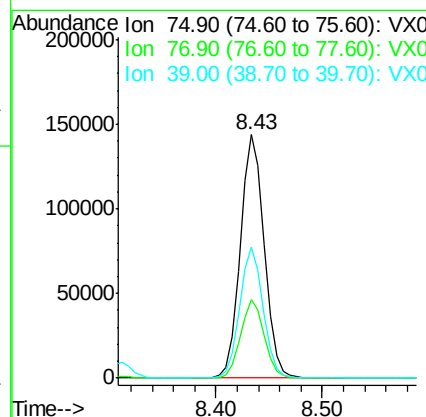
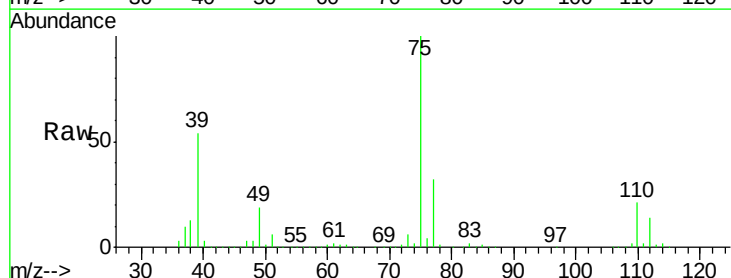
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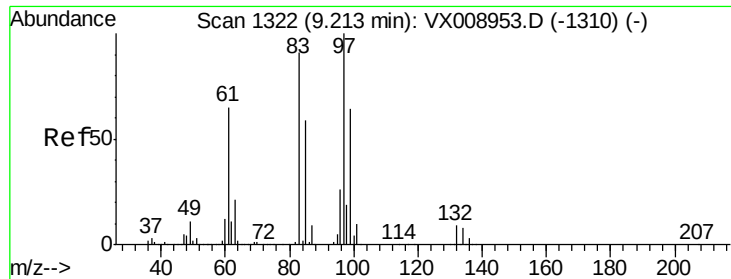
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#54
 cis-1,3-Dichloropropene
 Concen: 49.286 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion: 75 Resp: 226692
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.8 37.2
 39 53.6 41.8 62.6





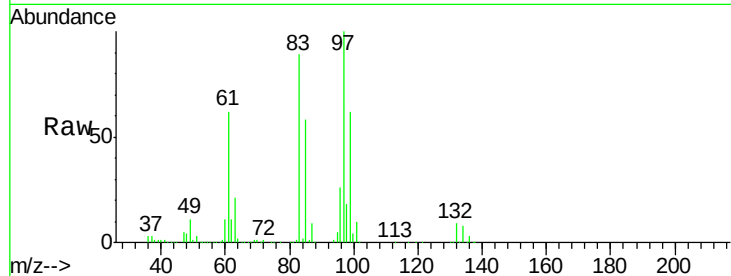
#55
 1,1,2-Trichloroethane
 Concen: 49.123 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

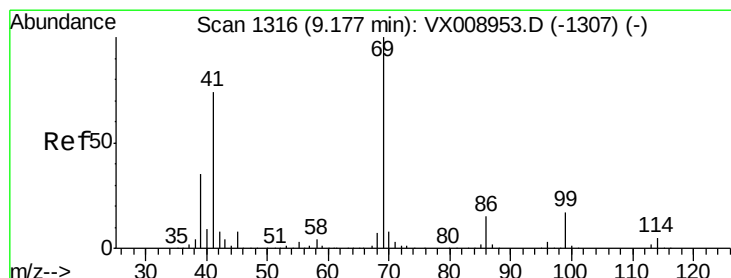
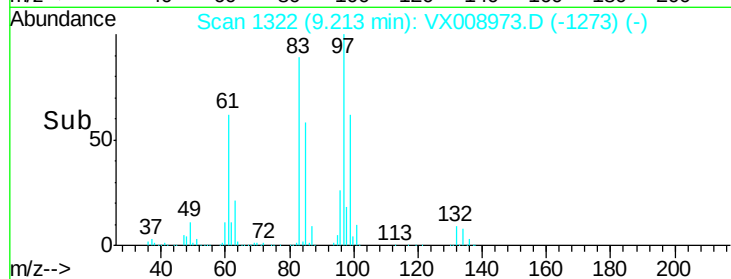
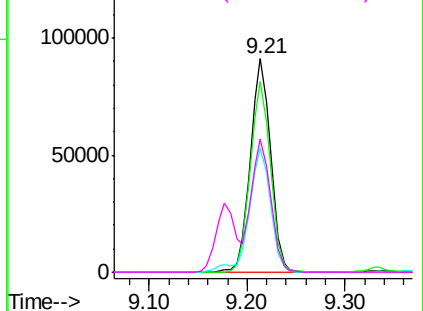
Tot Ion:	97	Resp:	131514
Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.6	108.8
85	58.1	46.9	70.3
99	62.4	51.0	76.6

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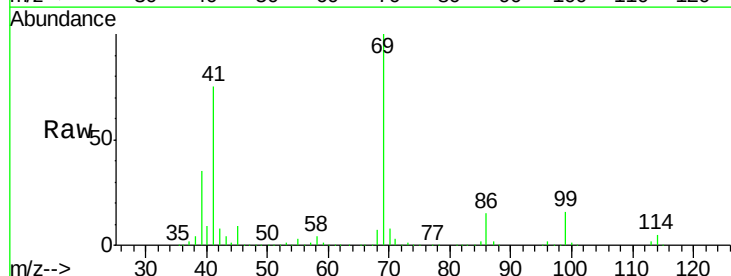


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

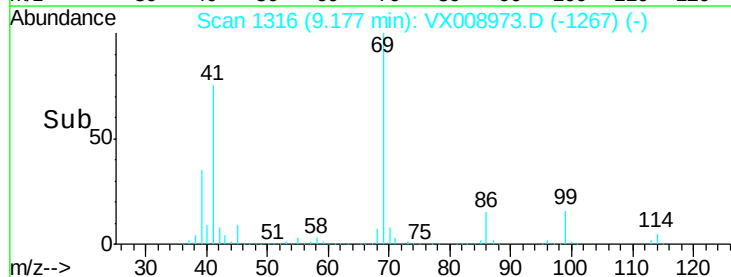
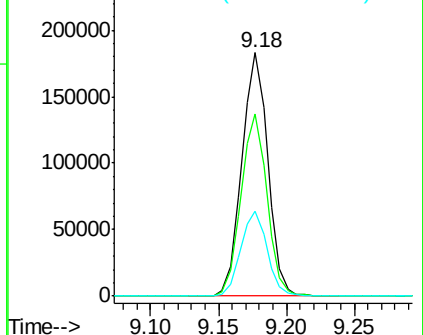


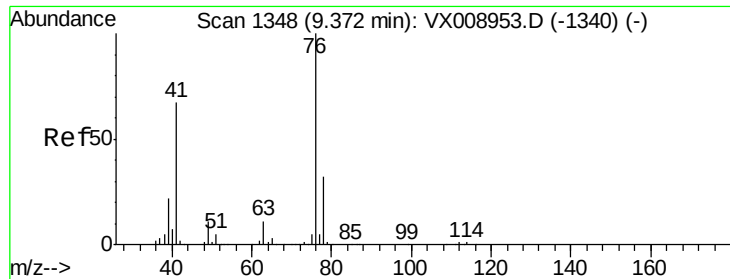
#56
 Ethyl methacrylate
 Concen: 50.971 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion:	69	Resp:	244684
Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.2	90.2
39	35.0	27.9	41.9



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





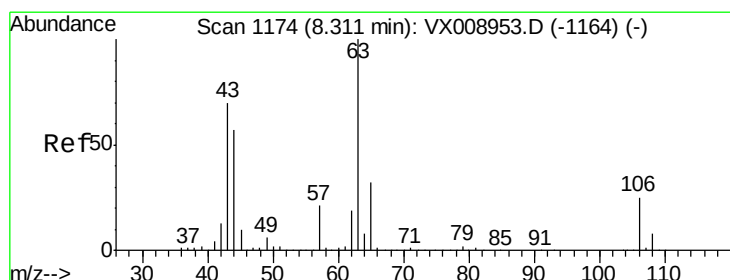
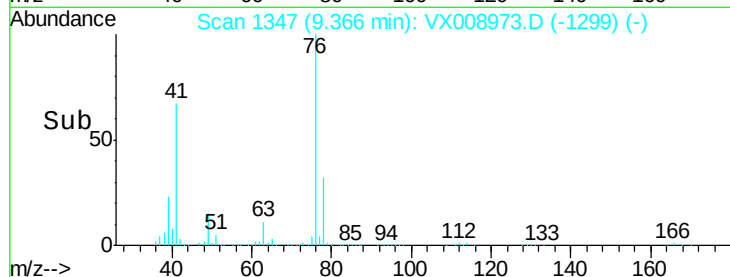
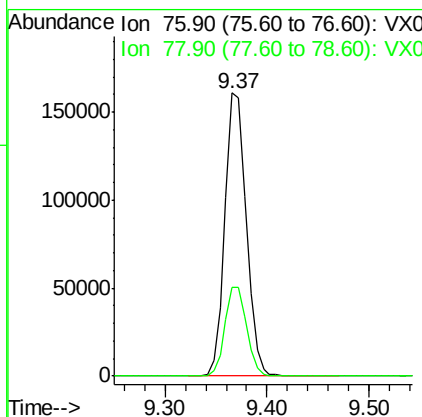
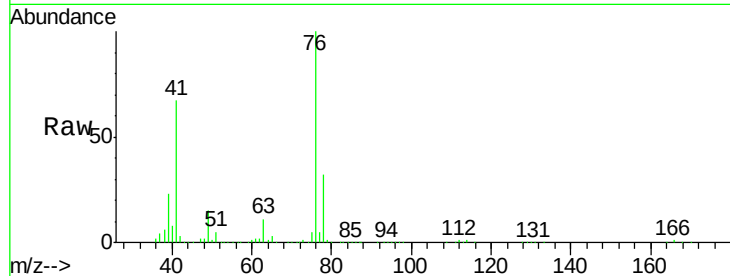
#57
 1,3-Dichloropropane
 Concen: 49.271 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

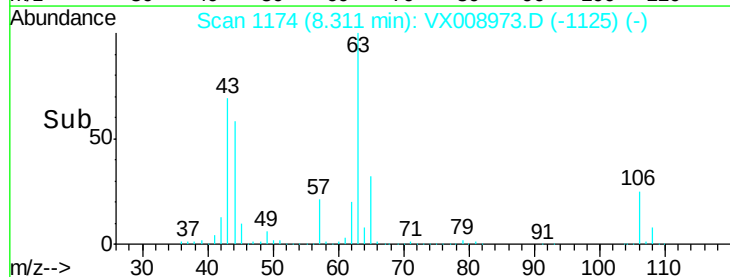
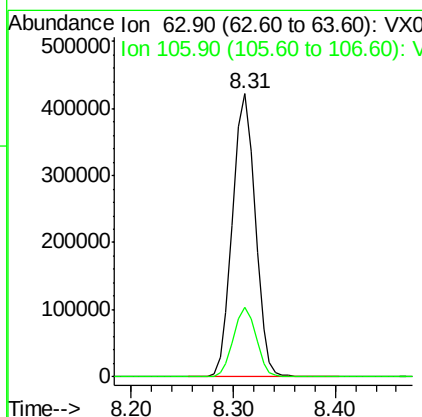
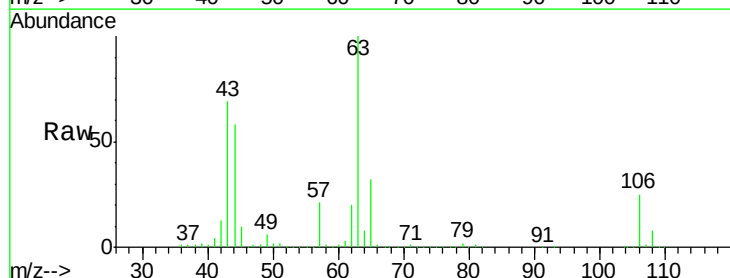
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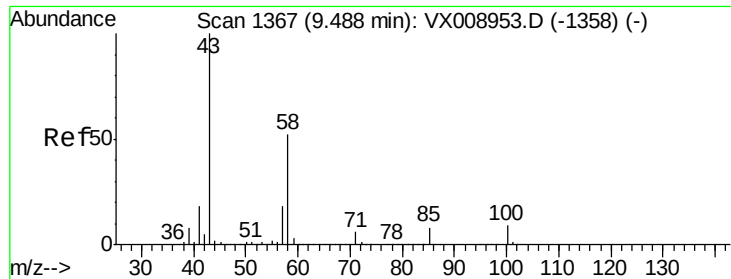
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 4/16/2019 10:53:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.801 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.5	19.8	29.6





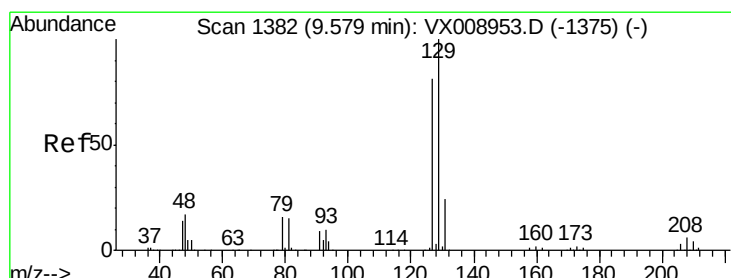
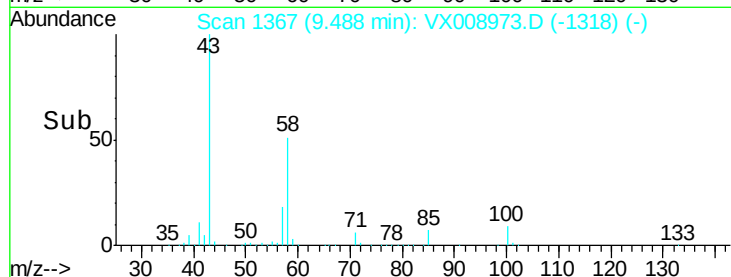
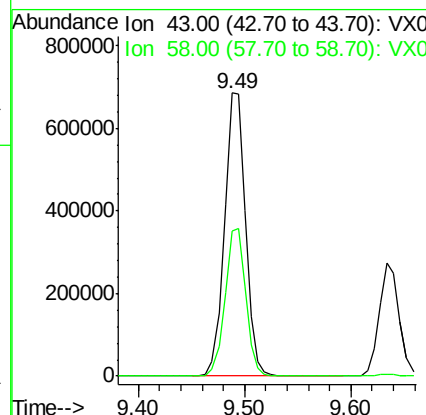
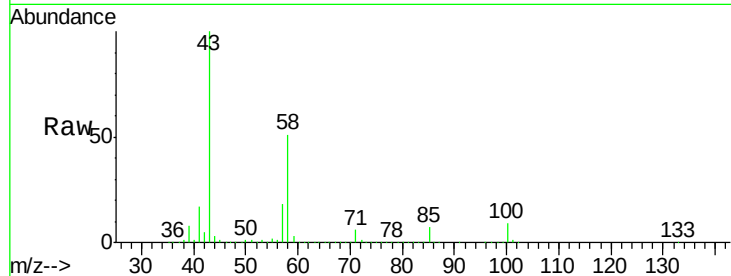
#59
2-Hexanone
Concen: 242.776 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.8

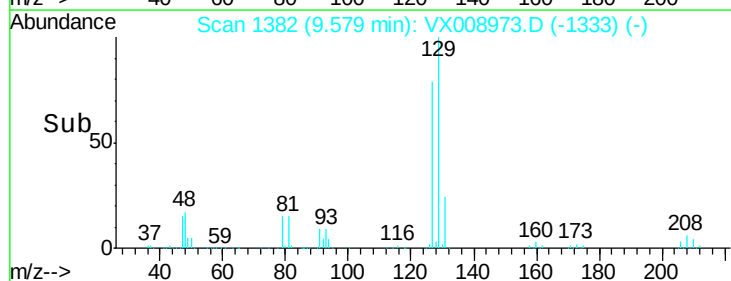
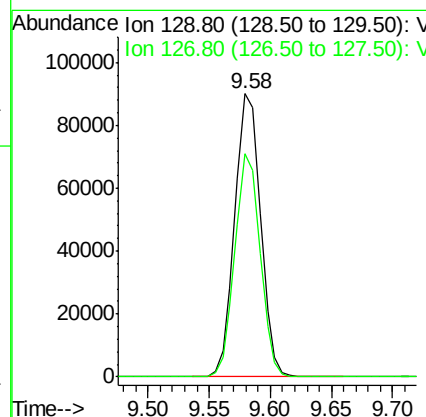
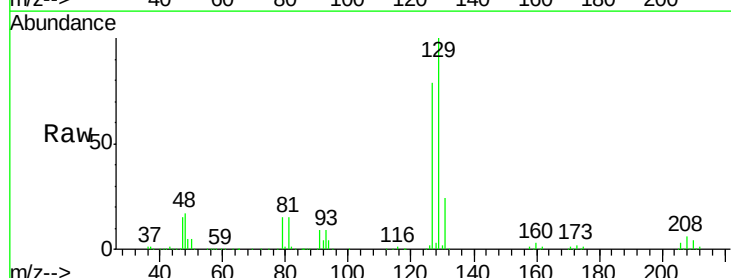
Manual Integrations
APPROVED

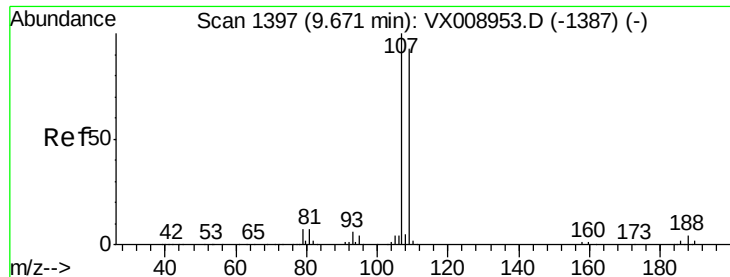
MMDadoda
4/16/2019 10:53:44 AM



#60
Dibromochloromethane
Concen: 51.258 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.1	117.2





#61

1,2-Dibromoethane

Concen: 49.106 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 135685

Ion Ratio Lower Upper

107 100

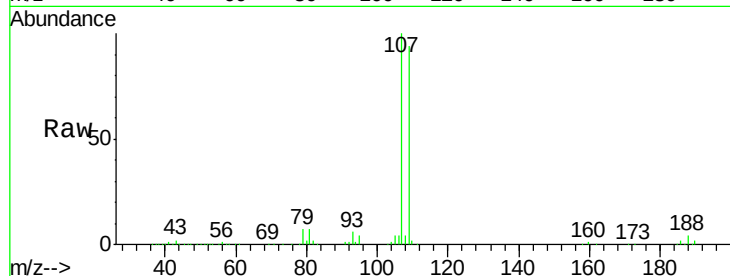
109 94.4 74.4 111.6

Manual Integrations

APPROVED

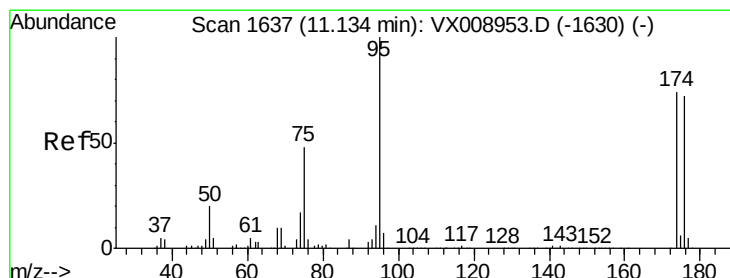
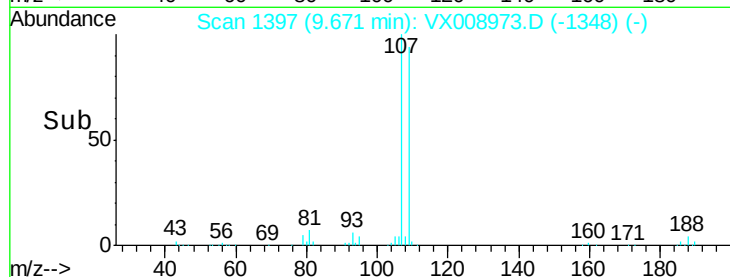
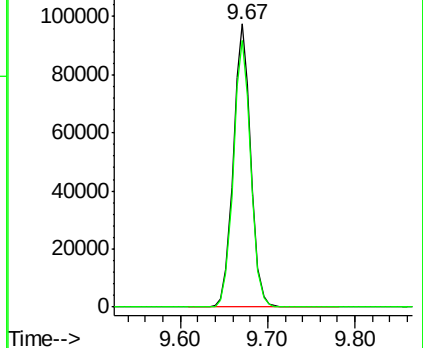
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.163 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

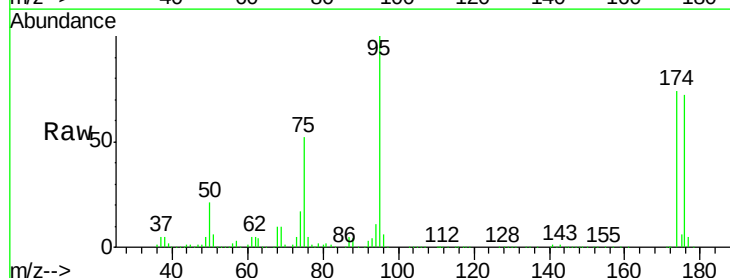
Tgt Ion: 95 Resp: 157415

Ion Ratio Lower Upper

95 100

174 79.9 0.0 159.6

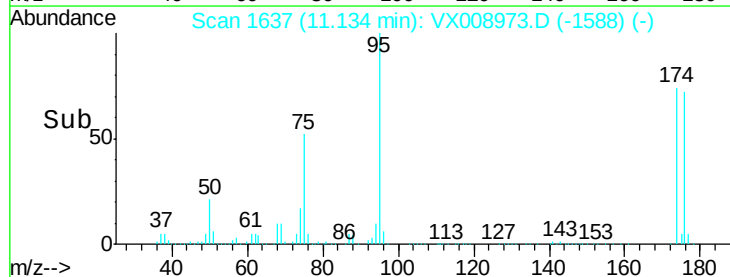
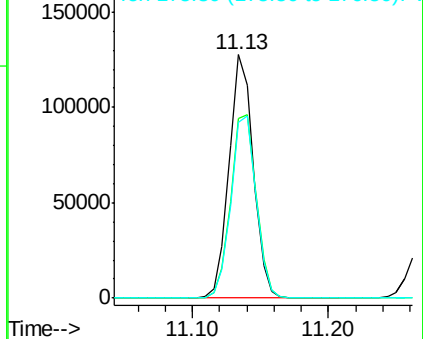
176 78.2 0.0 154.8

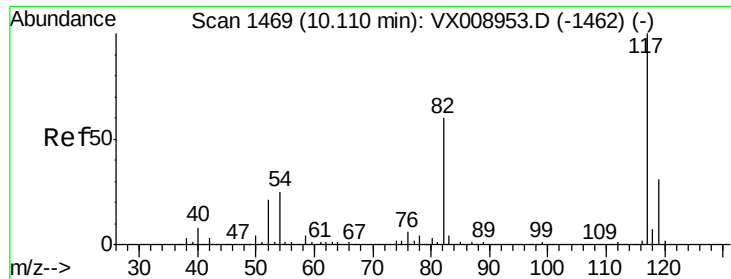


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





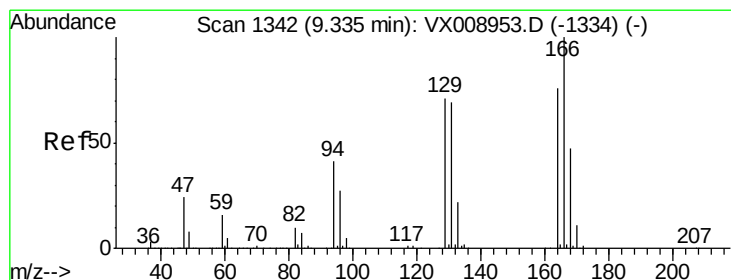
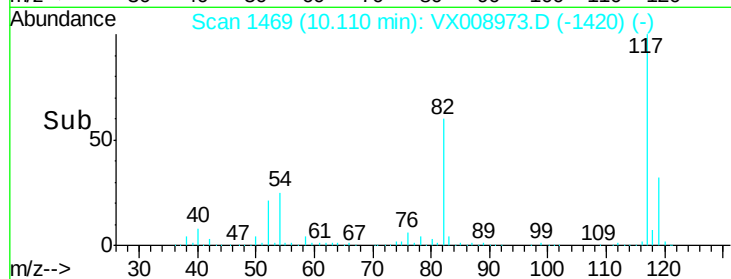
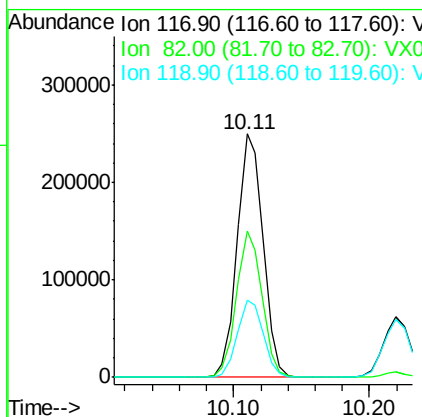
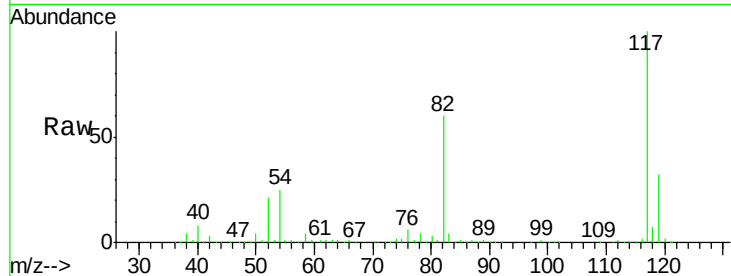
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	330215		
82	60.0	48.2	72.4	
119	31.9	25.0	37.6	

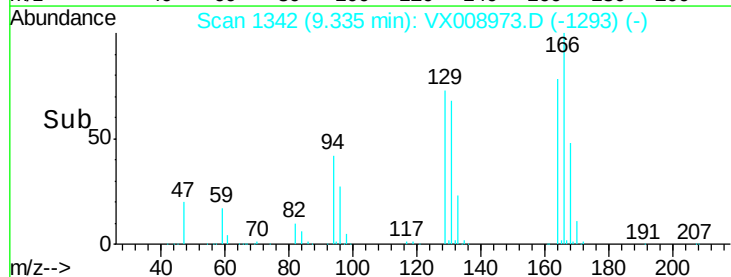
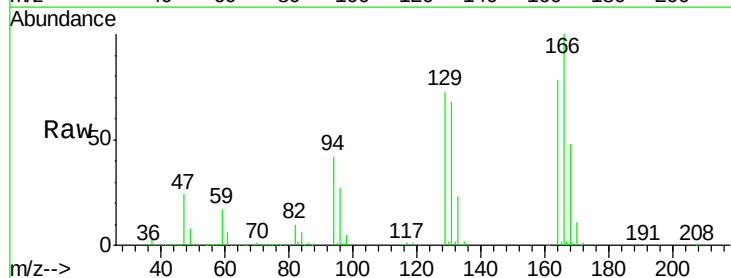
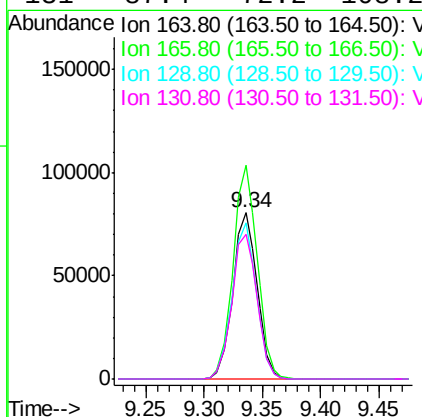
Manual Integrations
APPROVED

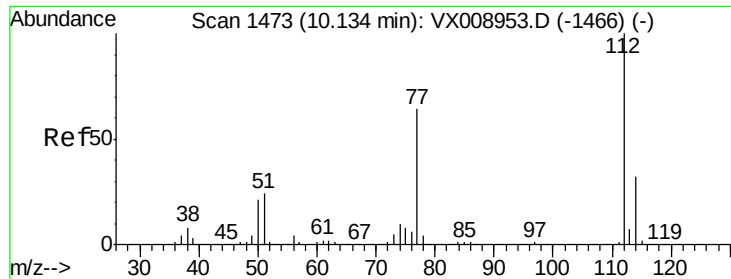
MMDadoda
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#64
Tetrachloroethene
Concen: 46.662 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117055		
166	128.5	105.0	157.4	
129	93.6	74.2	111.4	
131	87.4	72.2	108.2	





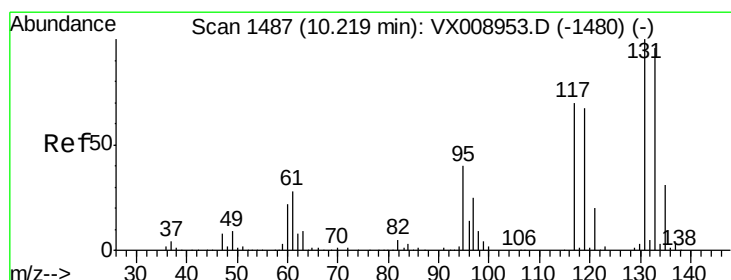
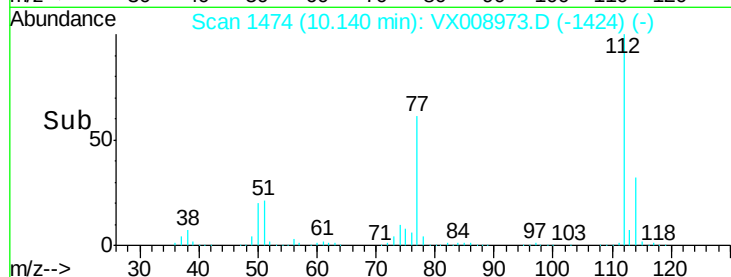
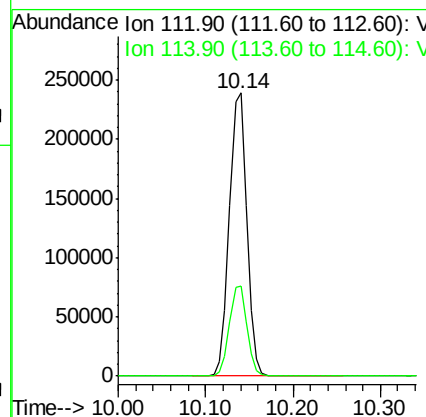
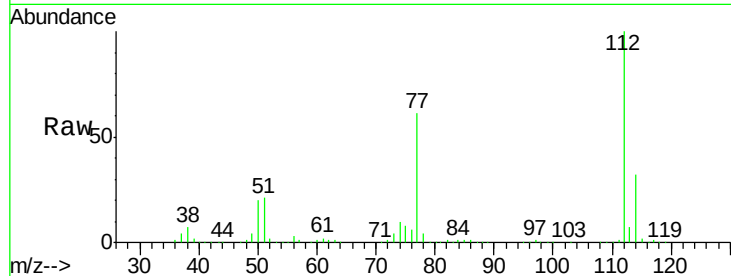
#65
Chlorobenzene
Concen: 47.565 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 331527
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0

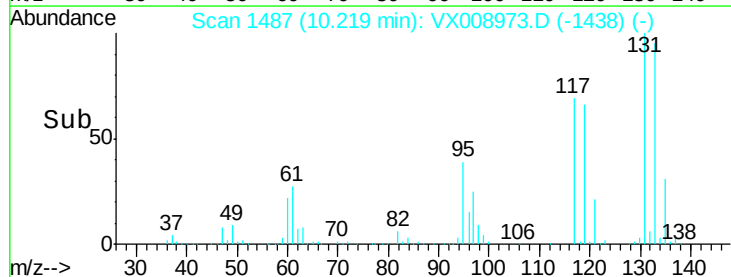
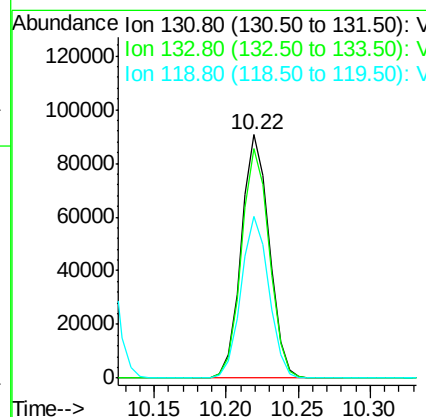
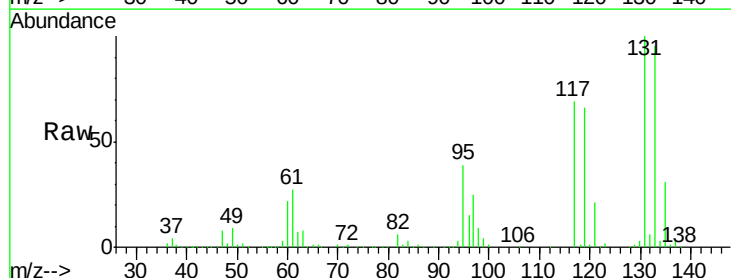
Manual Integrations
APPROVED

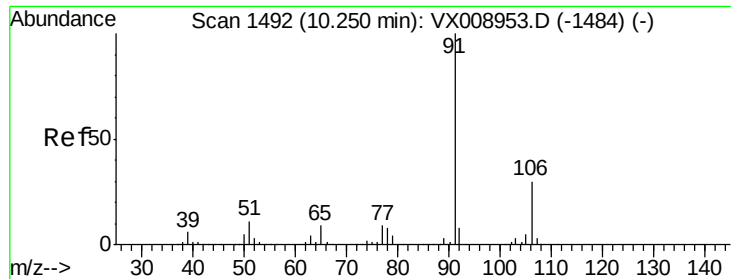
MMDadoda
4/16/2019 10:53:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.783 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion:131 Resp: 122237
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.2
119 66.4 33.7 101.1





#67

Ethyl Benzene

Concen: 48.677 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 620206

Ion Ratio Lower Upper

91 100

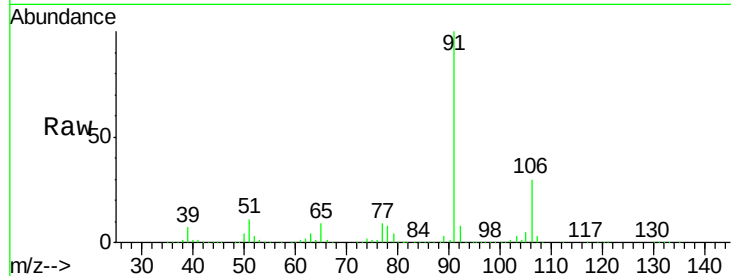
106 30.1 24.3 36.5

Manual Integrations

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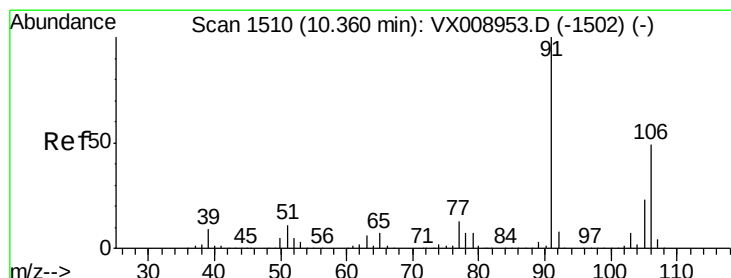
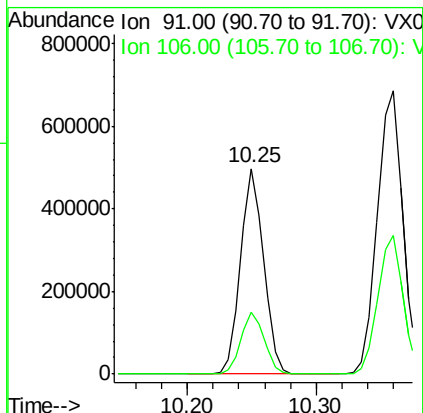
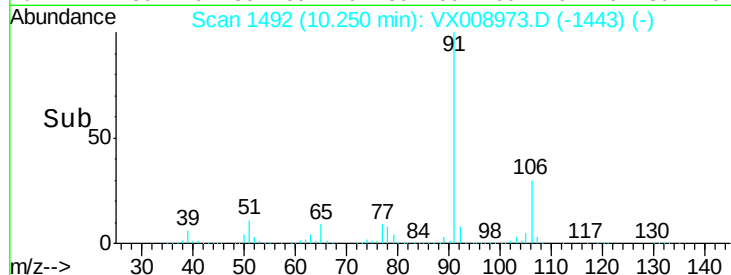
MMDadoda

4/16/2019 10:53:44 AM



Abundance Ion 91.00 (90.70 to 91.70): VX008973.D (-1443) (-)

Ion 106.00 (105.70 to 106.70): VX008973.D (-1443) (-)



#68

m/p-Xylenes

Concen: 97.429 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008973.D

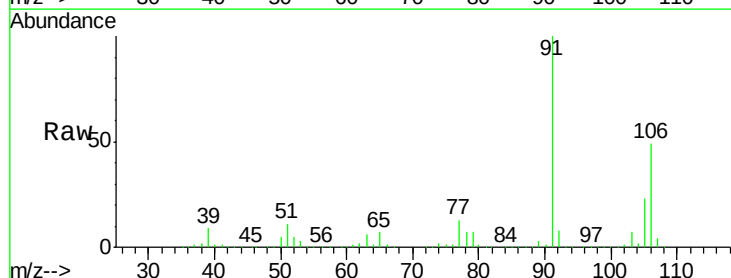
Acq: 15 Apr 2019 20:15

Tgt Ion: 106 Resp: 451149

Ion Ratio Lower Upper

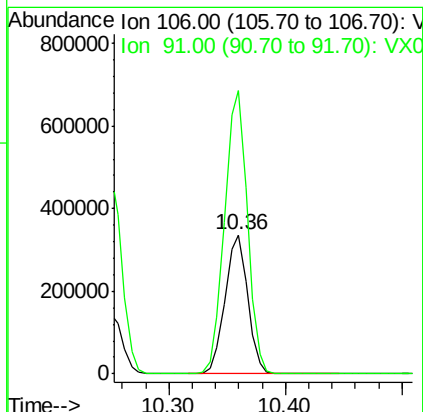
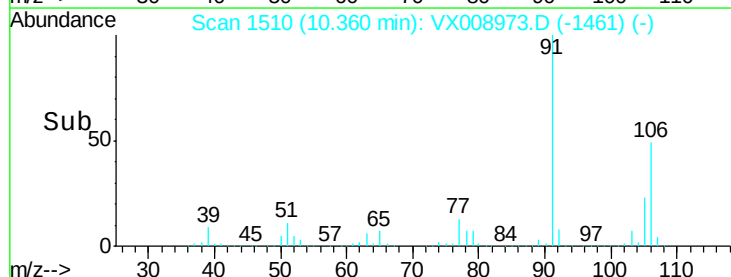
106 100

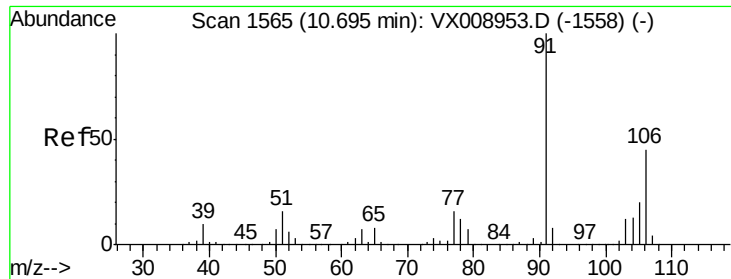
91 206.3 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): VX008973.D (-1461) (-)

Ion 91.00 (90.70 to 91.70): VX008973.D (-1461) (-)





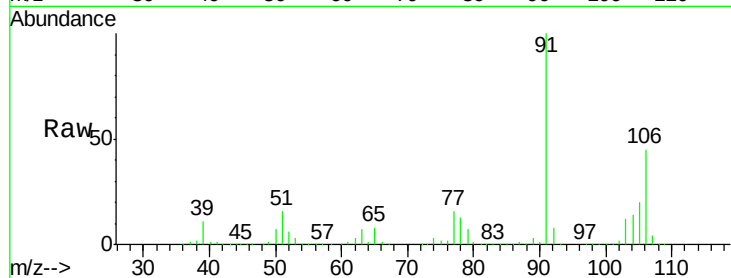
#69
o-Xylene
Concen: 48.325 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

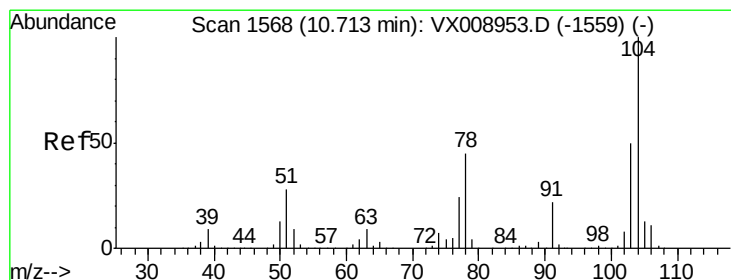
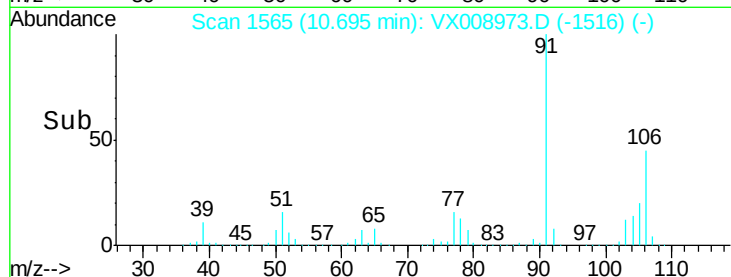
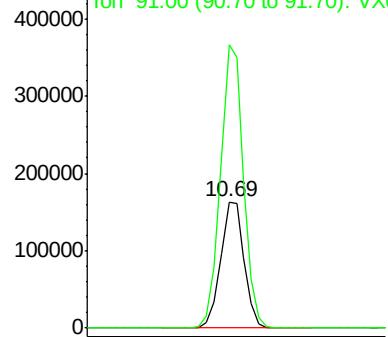
Tot Ion:106 Resp: 217732
Ion Ratio Lower Upper
106 100
91 220.1 108.9 326.7

Manual Integrations
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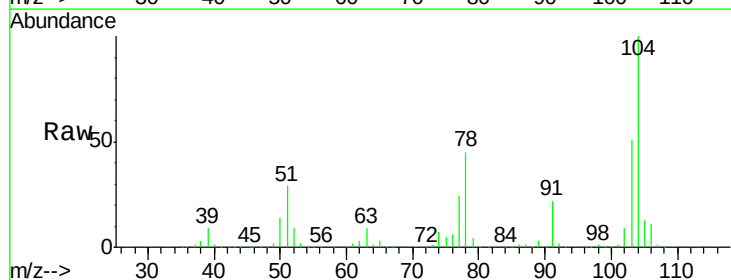


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

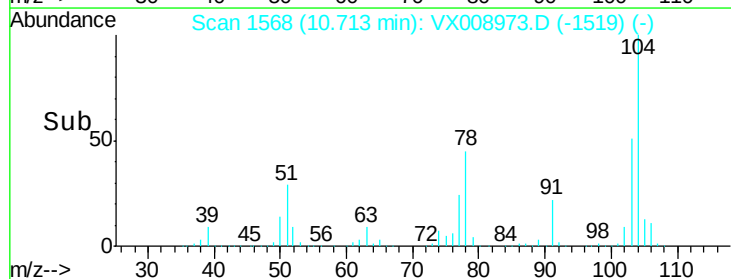
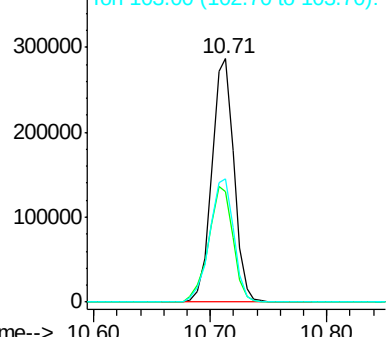


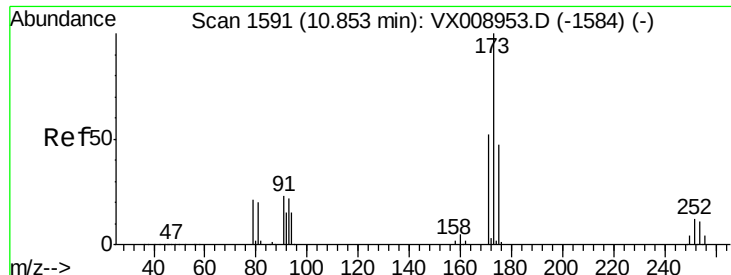
#70
Styrene
Concen: 48.747 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion:104 Resp: 380605
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 55.2 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.748 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 97316

Ion Ratio Lower Upper

173 100

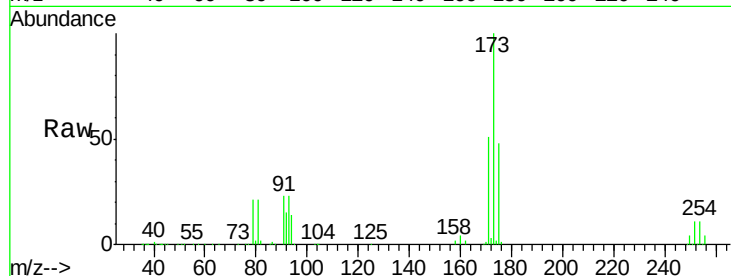
175 48.7 23.9 71.8

254 0.2 0.2 0.4#

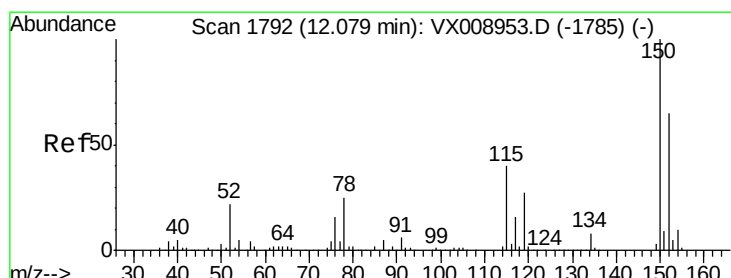
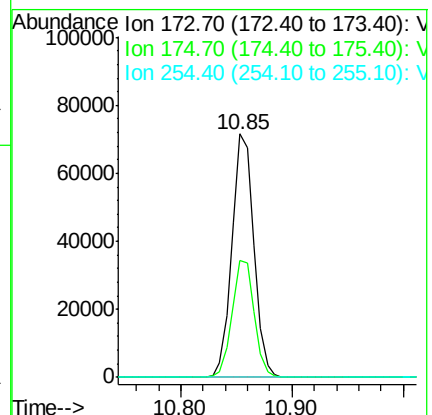
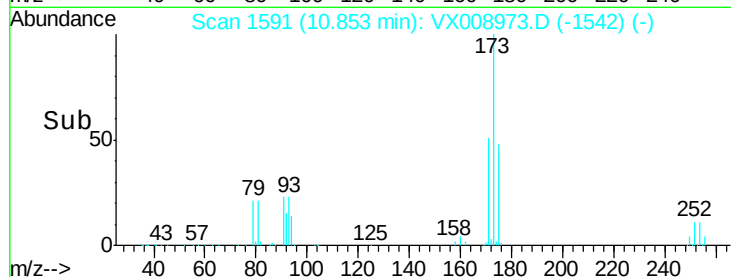
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

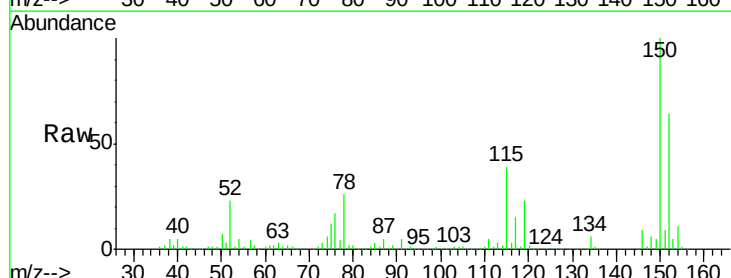
Tgt Ion:152 Resp: 152063

Ion Ratio Lower Upper

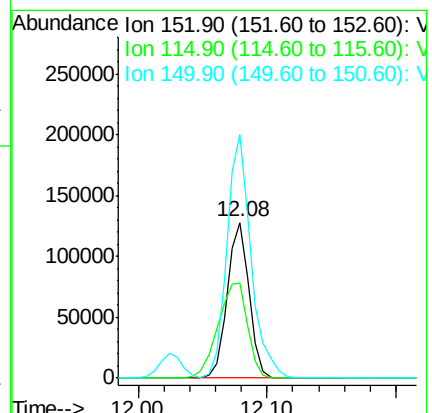
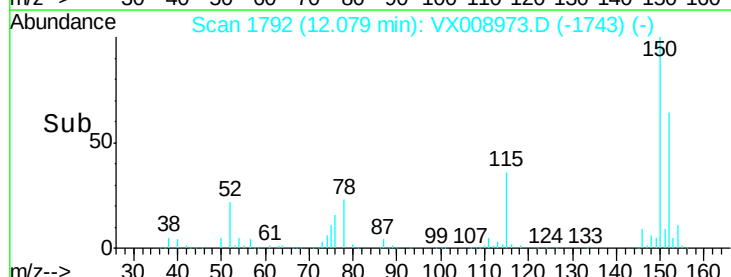
152 100

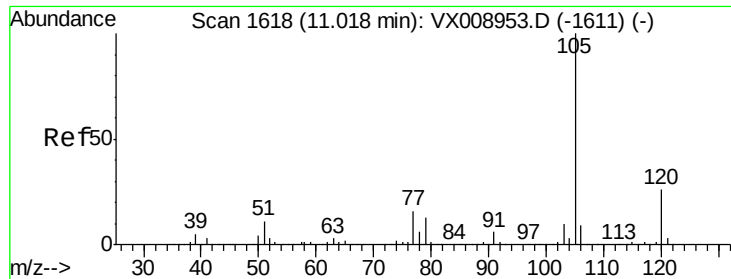
115 82.9 41.4 124.2

150 173.4 0.0 349.8



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





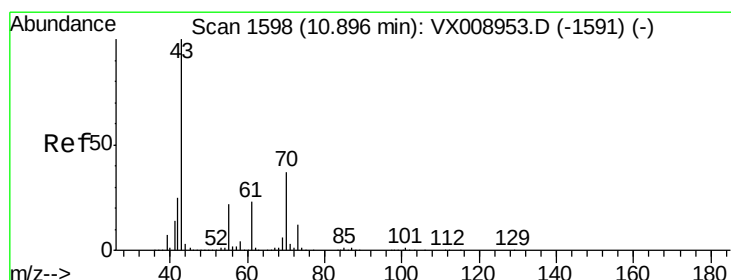
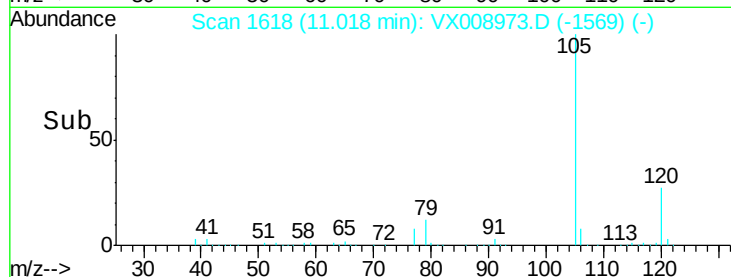
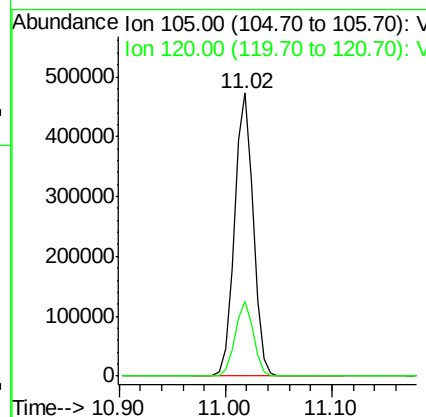
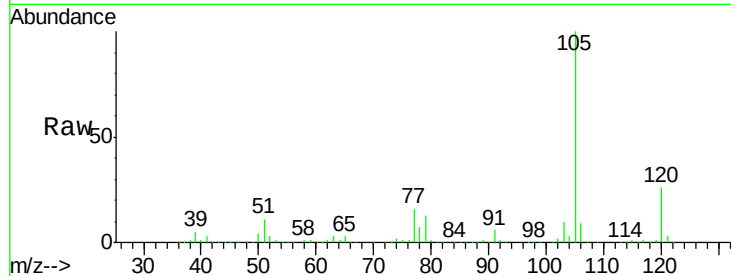
#73
Isopropylbenzene
Concen: 50.410 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 581033
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7

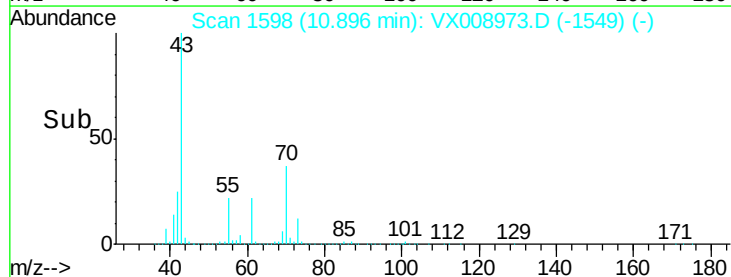
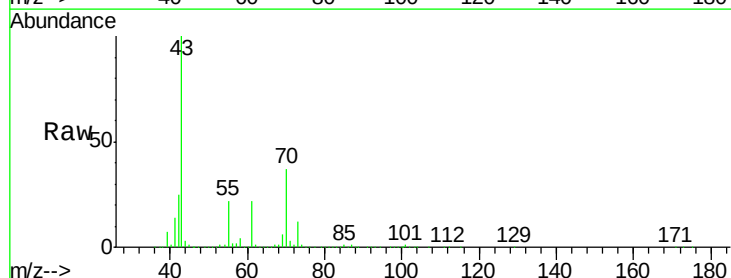
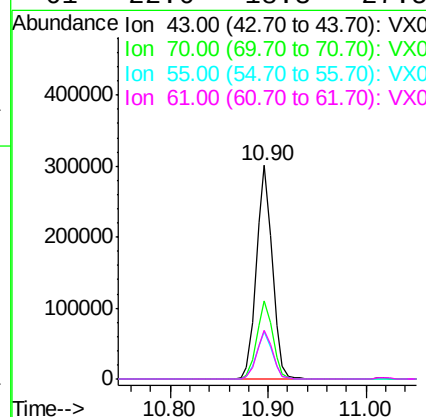
Manual Integrations
APPROVED

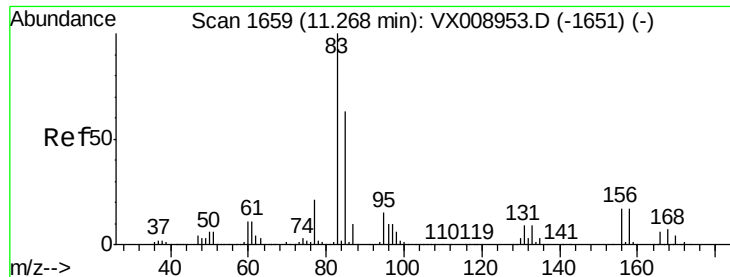
MMDadoda
4/16/2019 10:53:44 AM



#74
N-ethyl acetate
Concen: 51.134 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion: 43 Resp: 338412
Ion Ratio Lower Upper
43 100
70 37.0 29.9 44.9
55 22.1 17.8 26.8
61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.300 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

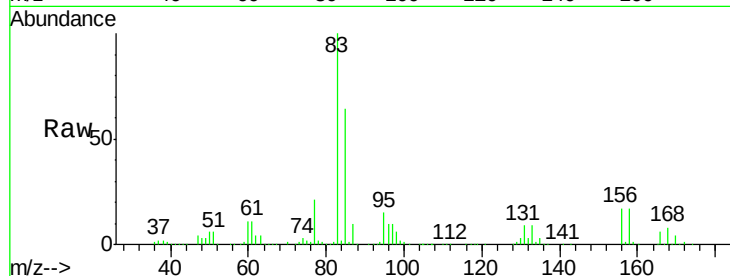
ClientSampleId :

VSTDCCC050EC

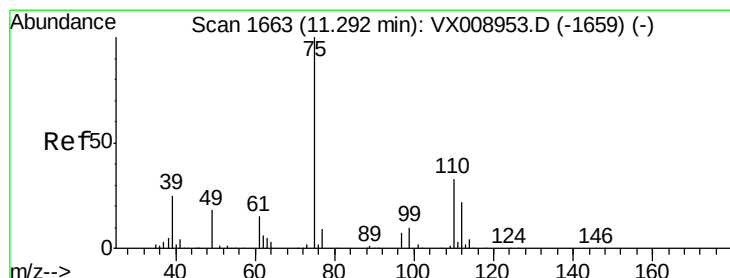
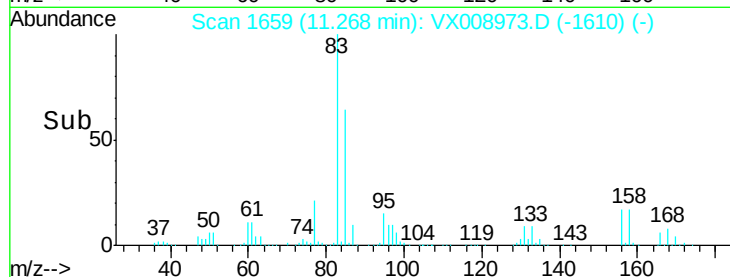
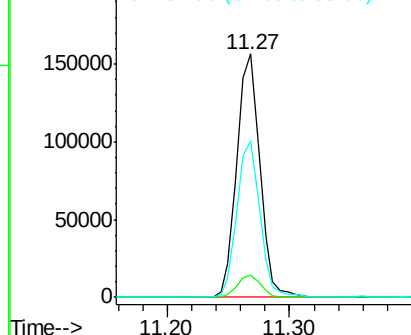
Tot Ion:	83	Resp:	203413
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	64.1	31.9	95.9

Manual Integrations
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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: 48.633 ug/l m

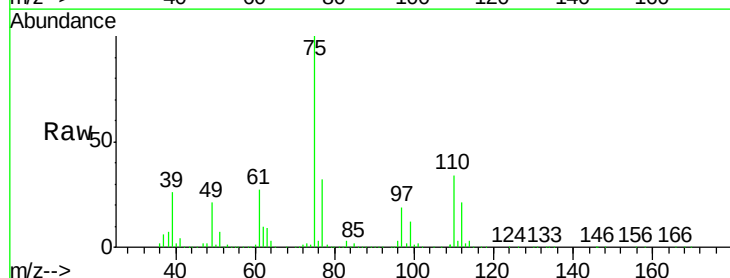
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

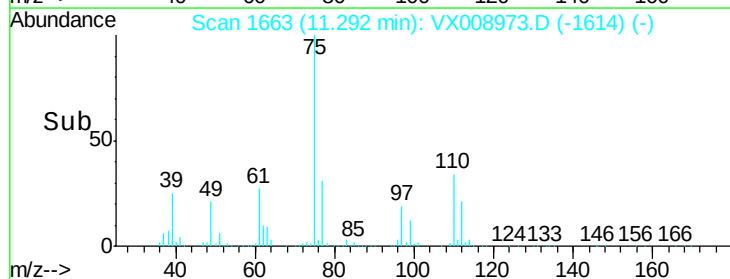
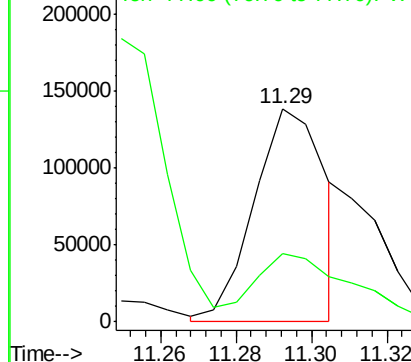
Lab File: VX008973.D

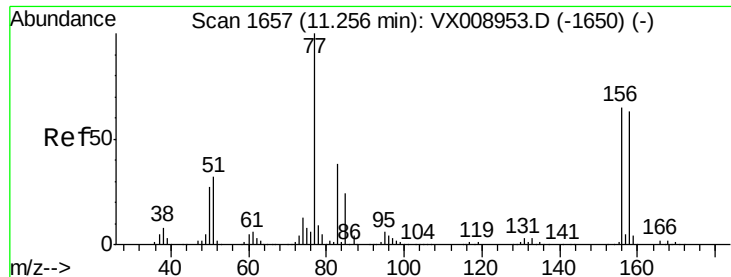
Acq: 15 Apr 2019 20:15

Tgt Ion:	75	Resp:	180578
Ion Ratio	Lower	Upper	
75	100		
77	44.2	22.7	68.0



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





#77

Bromobenzene

Concen: 49.033 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

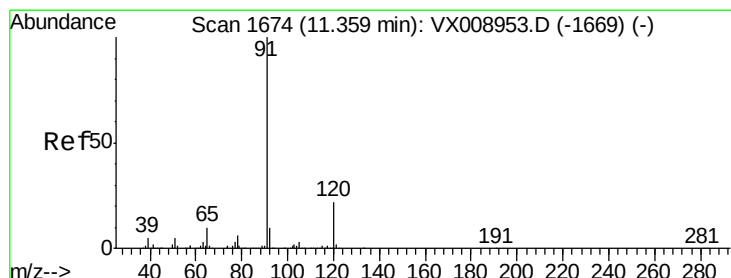
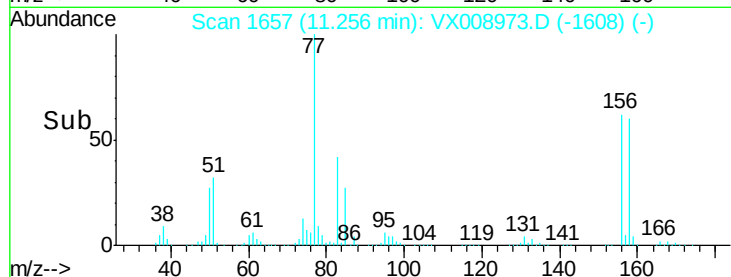
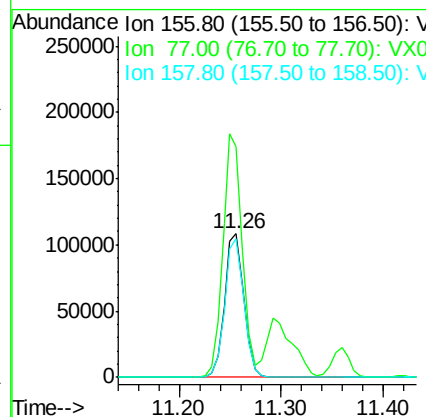
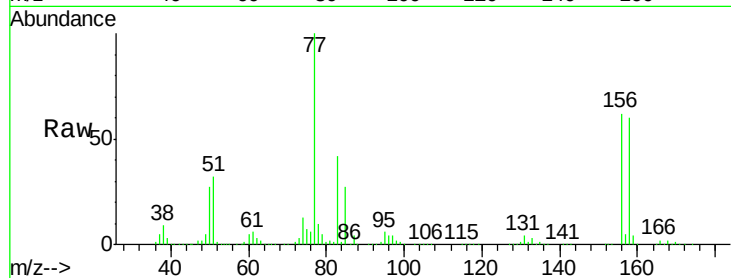
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	142595
Ion Ratio	Lower	Upper	
156	100		
77	170.6	85.4	256.1
158	96.3	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 50.910 ug/l

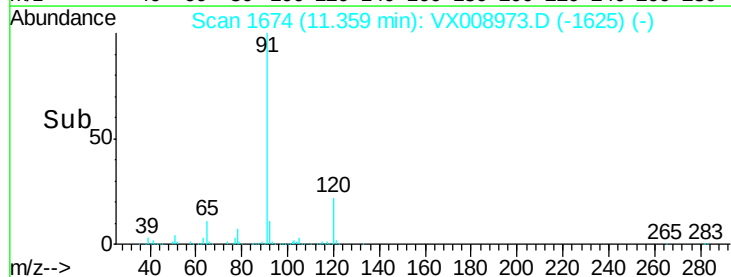
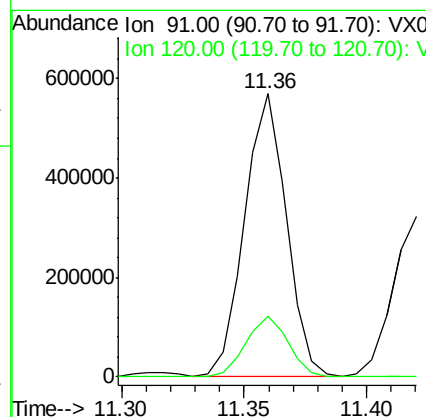
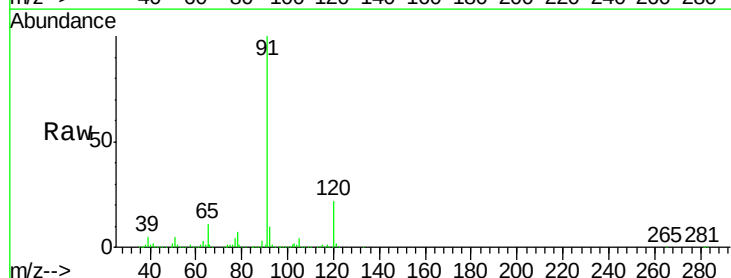
RT: 11.36 min Scan# 1674

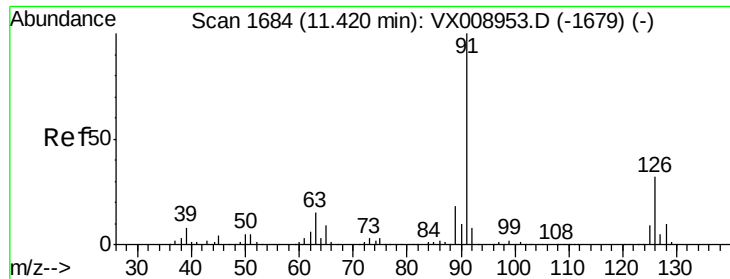
Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion:	91	Resp:	673511
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.9	32.9





#79

2-Chlorotoluene

Concen: 49.770 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 396772

Ion Ratio Lower Upper

91 100

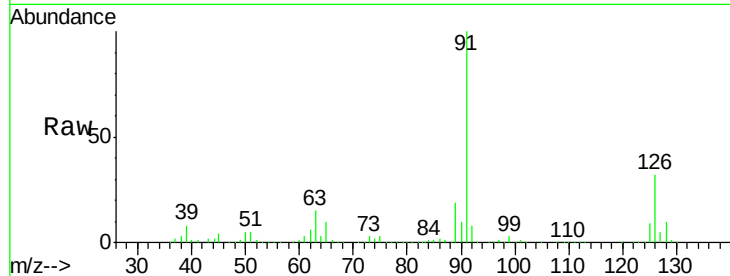
126 32.3 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1679) (-)

600000

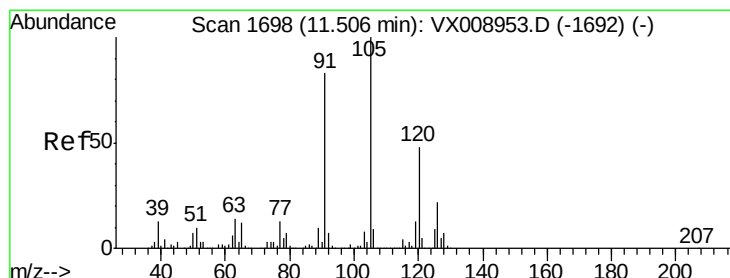
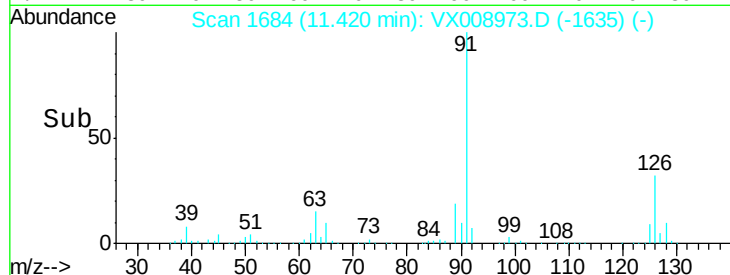
400000

200000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.919 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008973.D

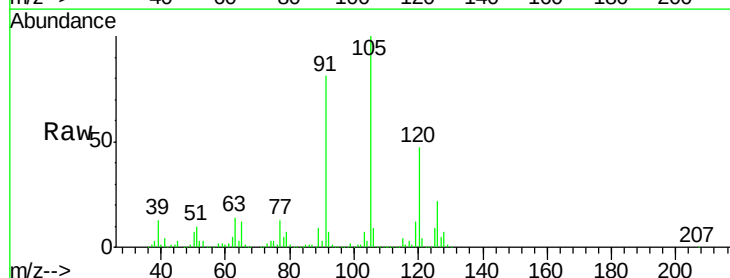
Acq: 15 Apr 2019 20:15

Tgt Ion:105 Resp: 492506

Ion Ratio Lower Upper

105 100

120 47.4 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008953.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008953.D (-1692) (-)

400000

300000

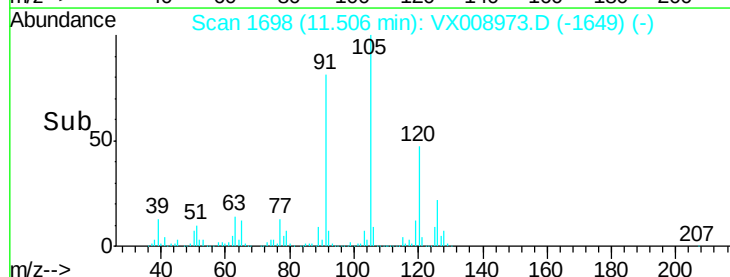
200000

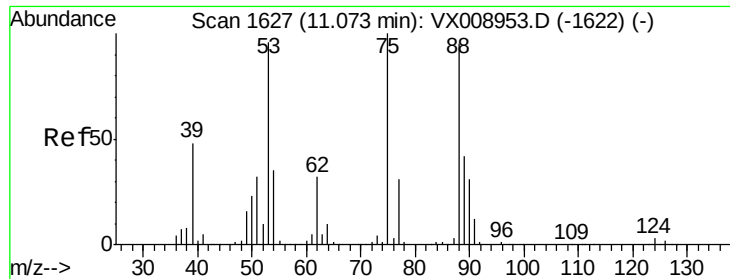
100000

0

11.50 11.51 11.60

Time-->





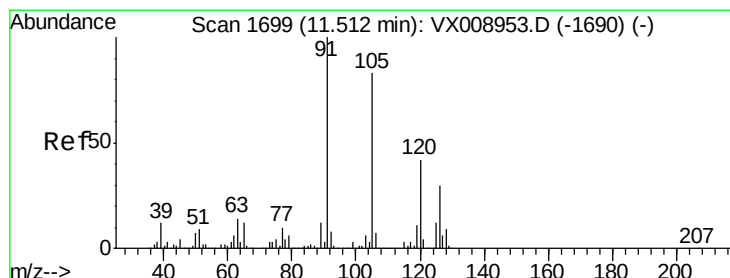
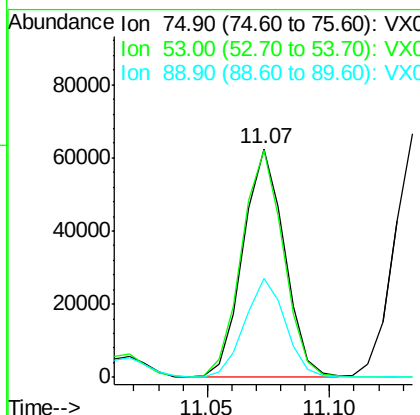
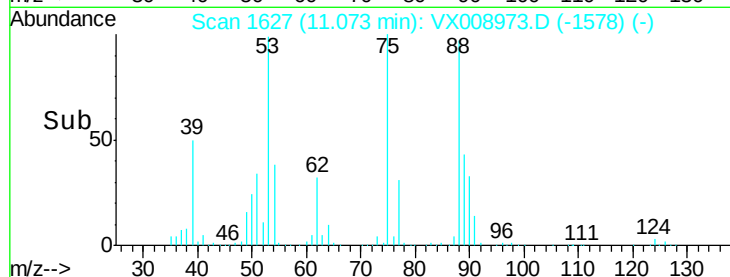
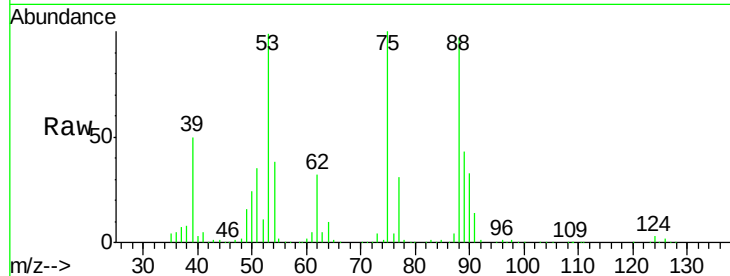
#81
trans-1,4-Dichloro-2-butene
Concen: 51.010 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	78.2	117.4
89	42.8	36.0	54.0

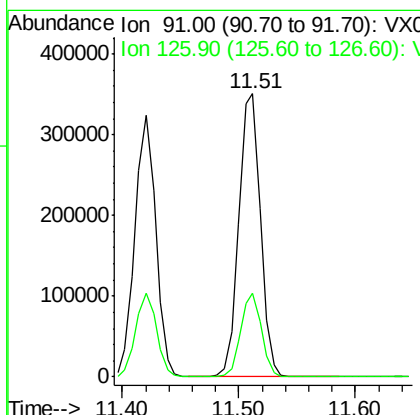
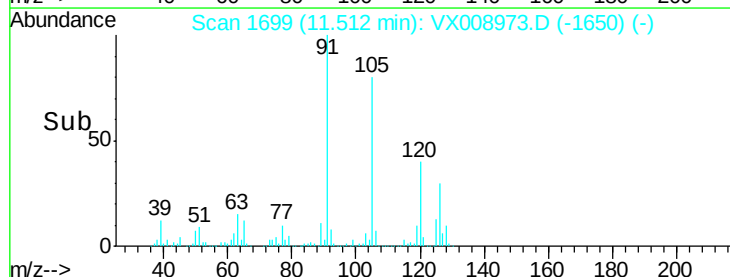
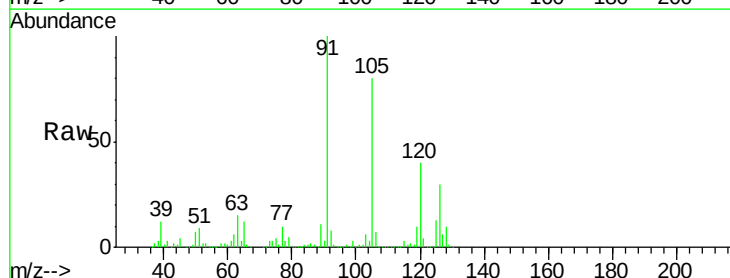
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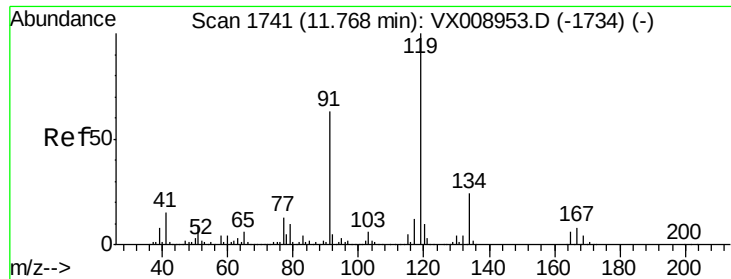
MMDadoda
4/16/2019 10:53:44 AM



#82
4-Chlorotoluene
Concen: 49.250 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008973.D
Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.3	42.9





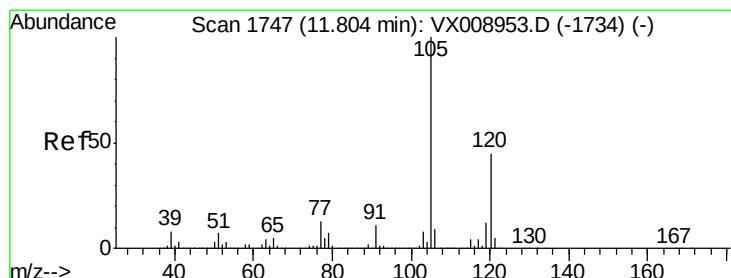
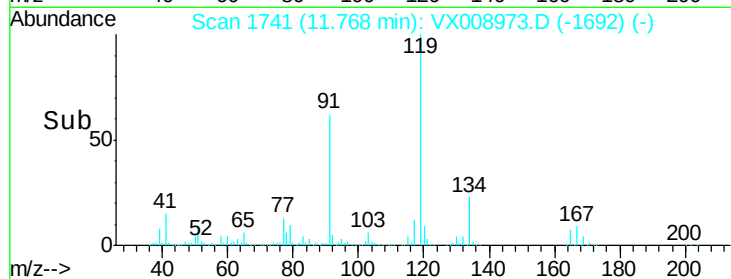
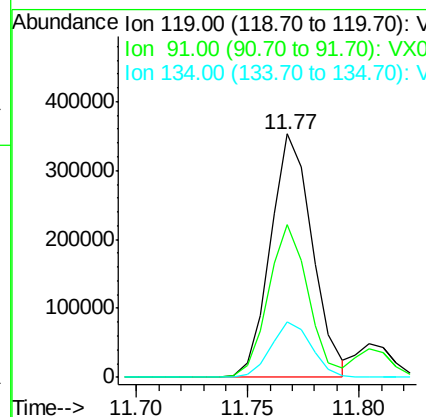
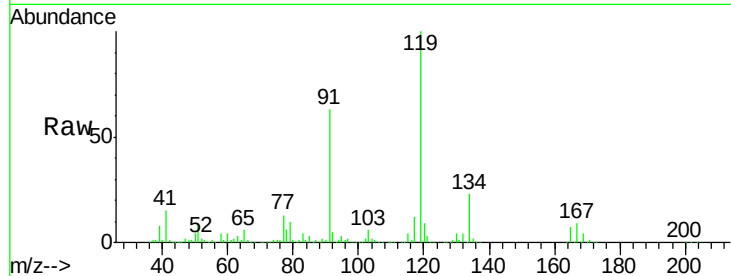
#83
 tert-Butylbenzene
 Concen: 49.659 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.7	89.1
134	22.3	11.2	33.5

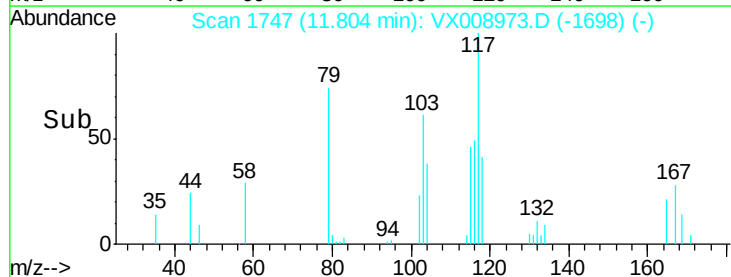
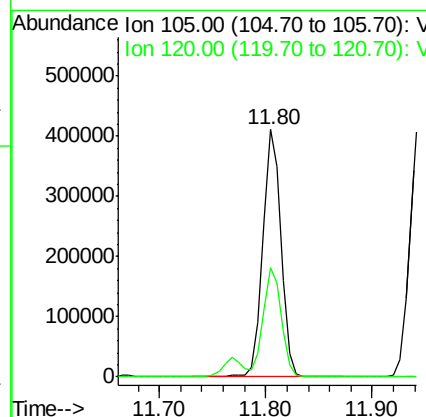
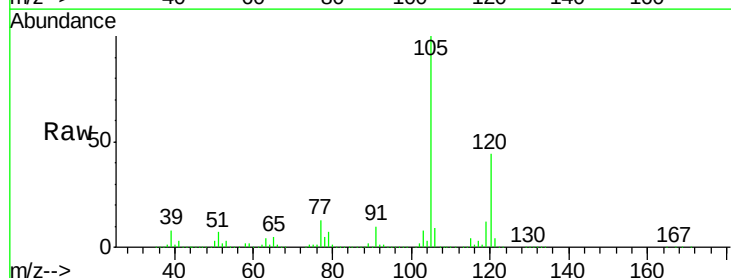
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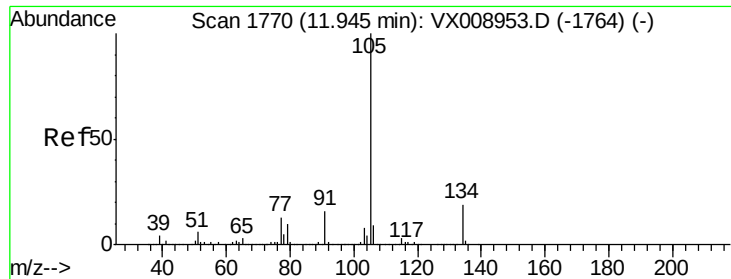
MMDadoda
 4/16/2019 10:53:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.035 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.8





#85

sec-Butylbenzene

Concen: 50.450 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 558750

Ion Ratio Lower Upper

105 100

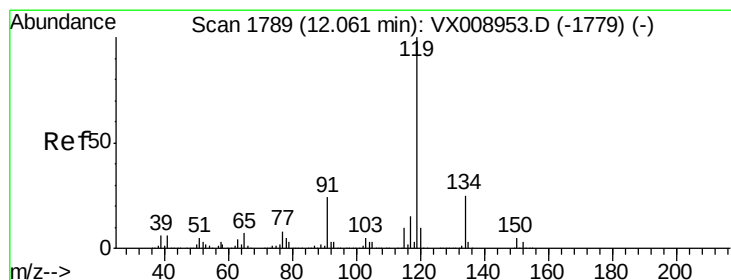
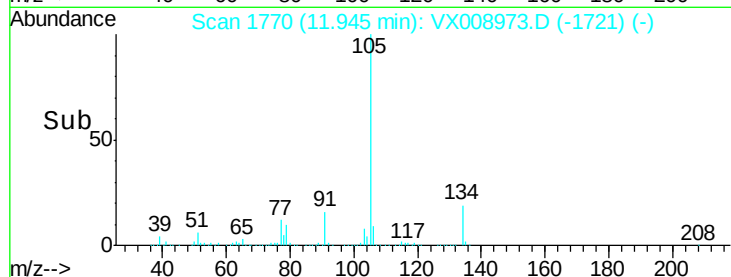
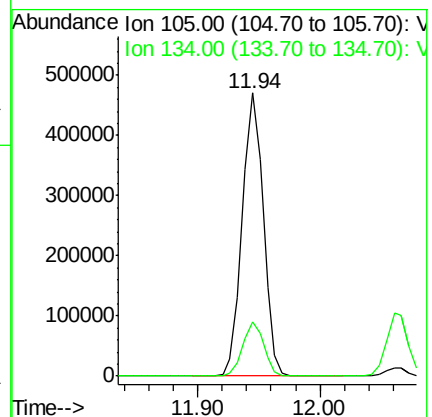
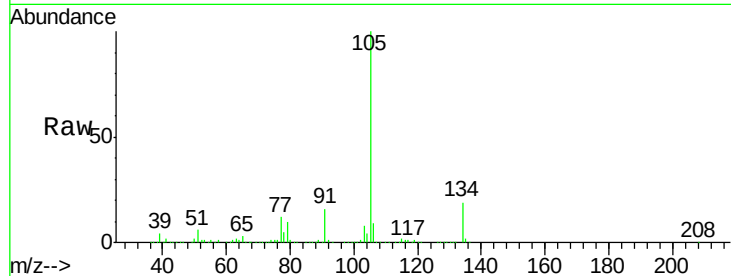
134 19.2 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 49.591 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

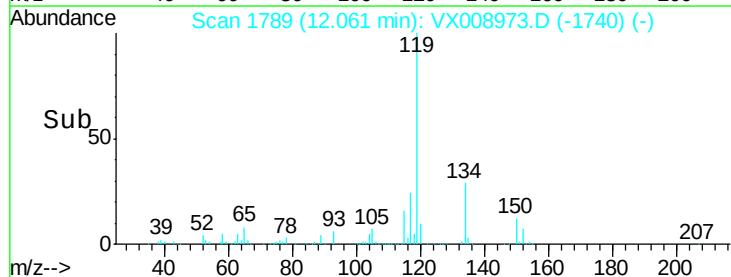
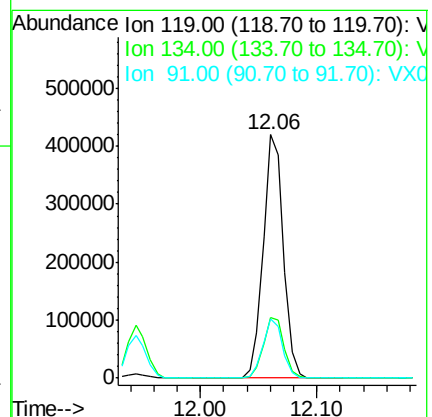
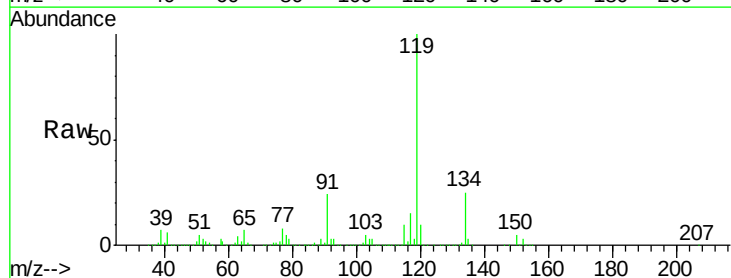
Tgt Ion:119 Resp: 504960

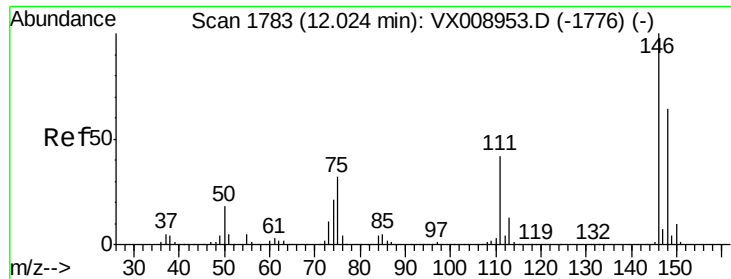
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

91 23.7 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 48.547 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

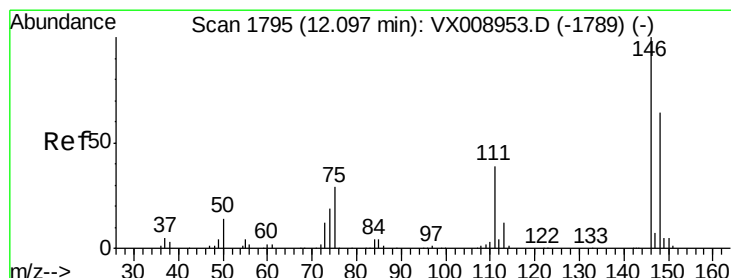
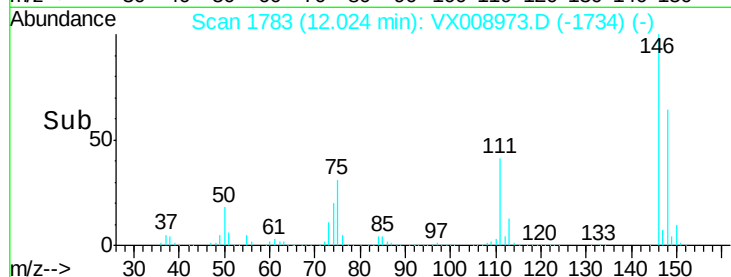
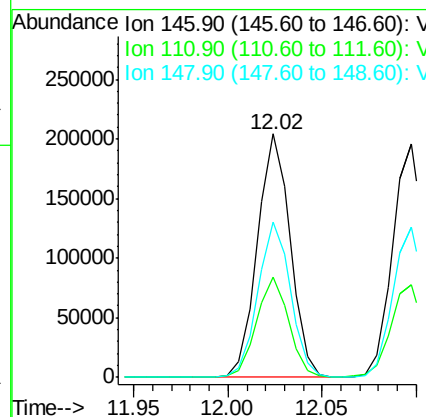
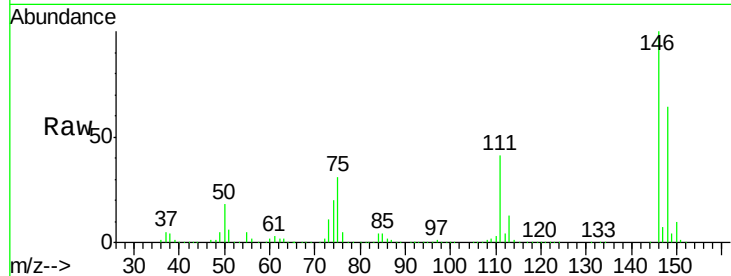
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	247098
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.5	61.6
148	63.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 46.915 ug/l

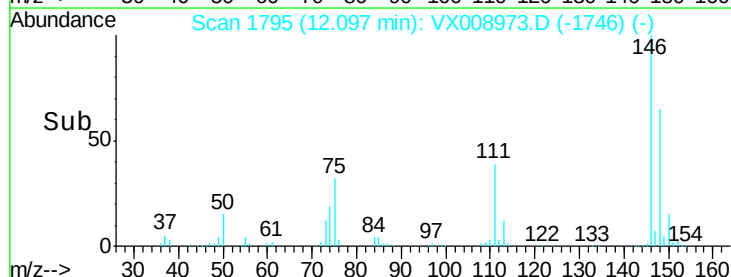
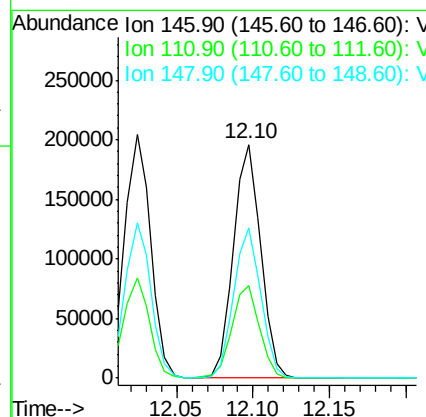
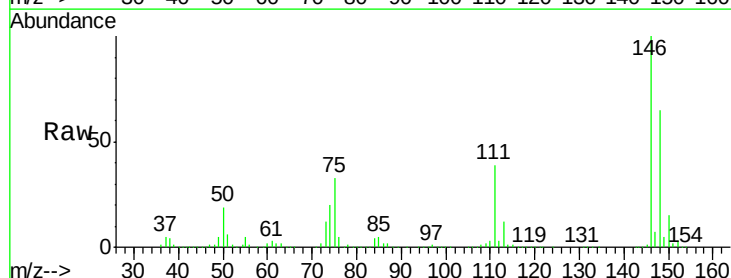
RT: 12.10 min Scan# 1795

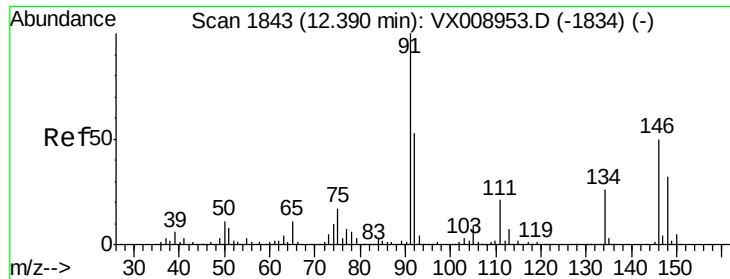
Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion:	146	Resp:	242065
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.0	59.9
148	63.8	32.2	96.6





#89

n-Butylbenzene

Concen: 49.136 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

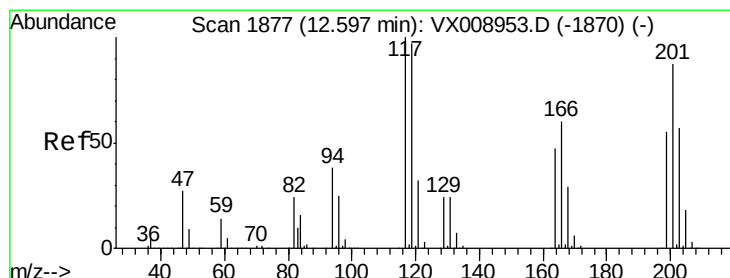
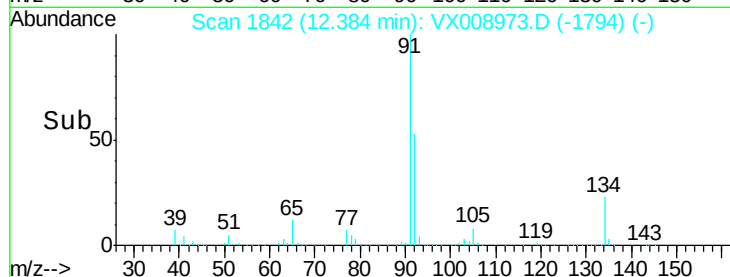
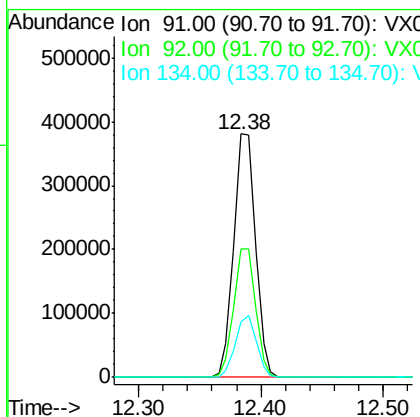
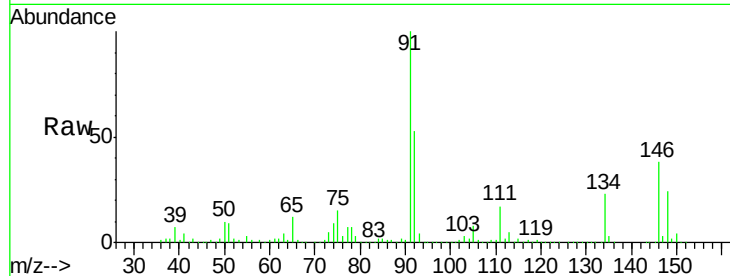
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	465956
Ion Ratio	Lower	Upper	
91	100		
92	53.2	26.6	79.8
134	24.6	12.4	37.2

Manual Integrations
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#90

Hexachloroethane

Concen: 51.599 ug/l

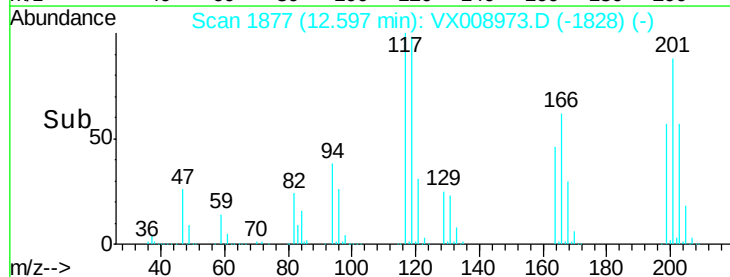
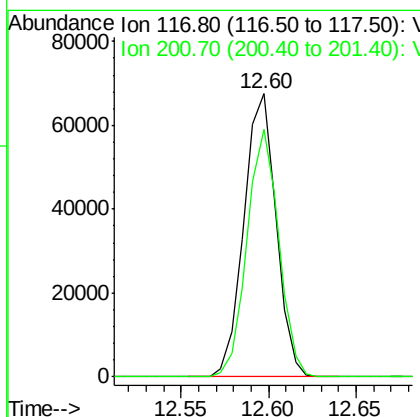
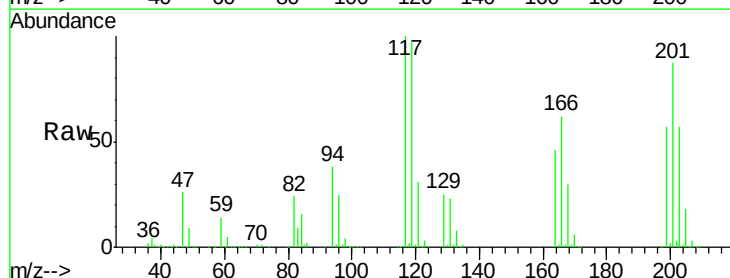
RT: 12.60 min Scan# 1877

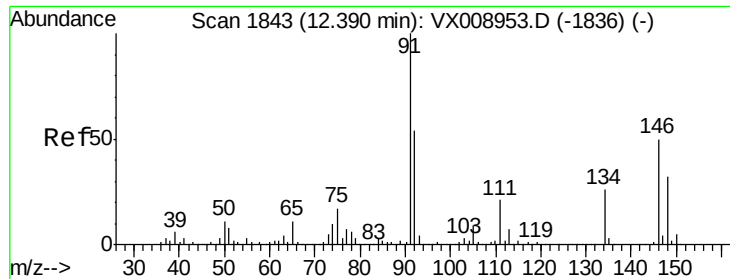
Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion:	117	Resp:	86669
Ion Ratio	Lower	Upper	
117	100		
201	85.8	43.0	129.0





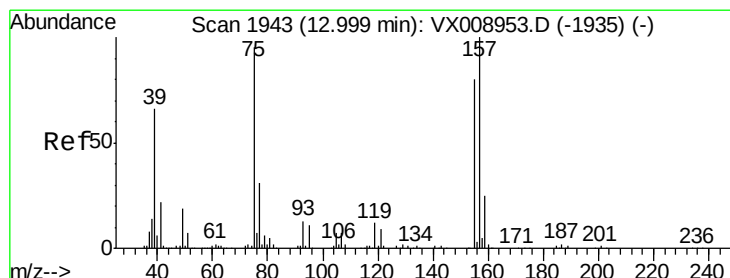
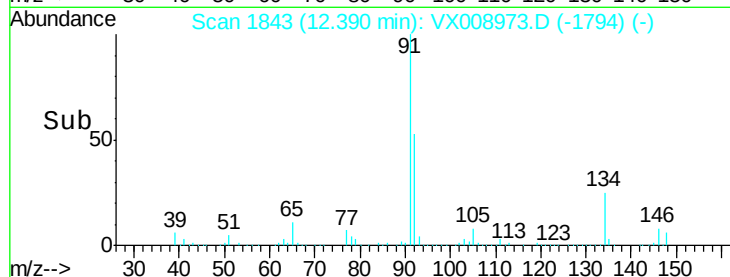
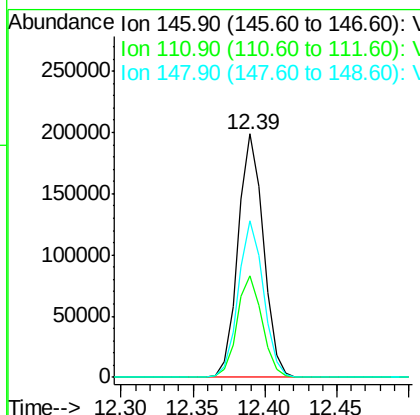
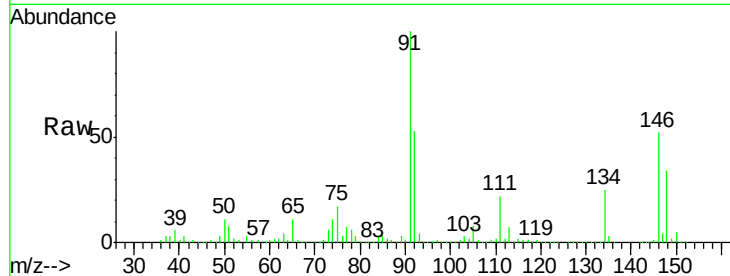
#91
 1,2-Dichlorobenzene
 Concen: 48.343 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.9
148	63.9	32.0	96.2

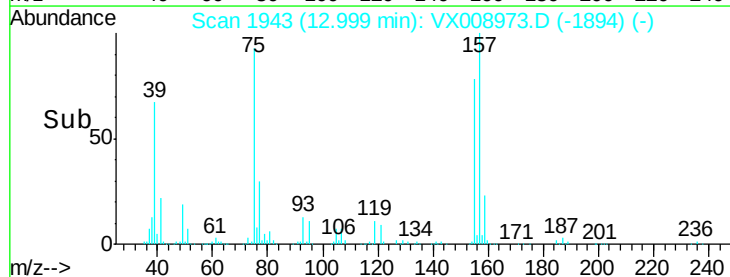
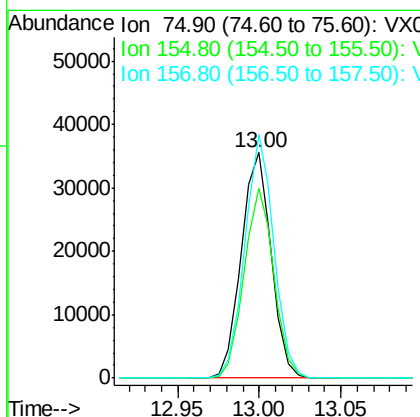
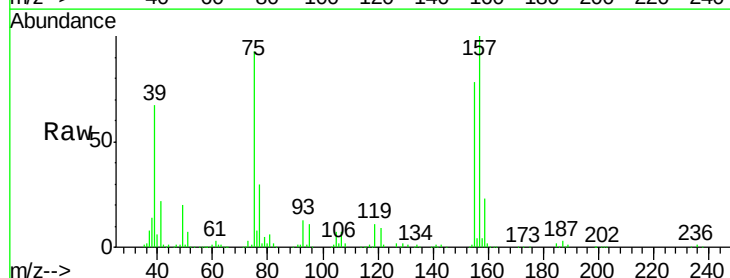
Manual Integrations
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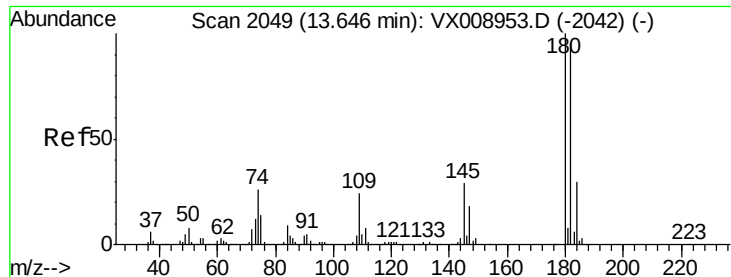
MMDadoda
 4/16/2019 10:53:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.556 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	41.2	123.6
157	104.7	52.5	157.6





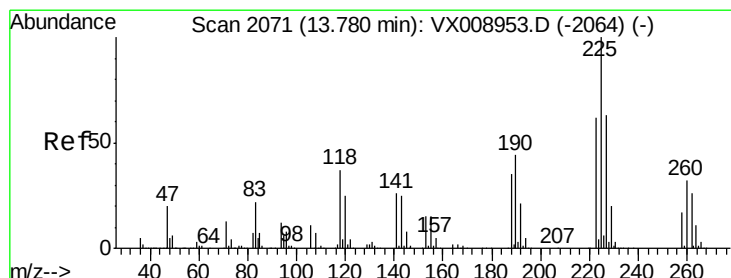
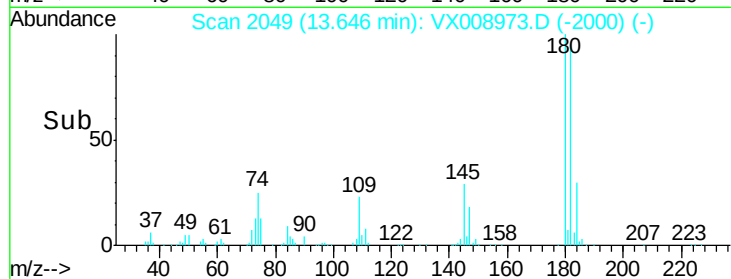
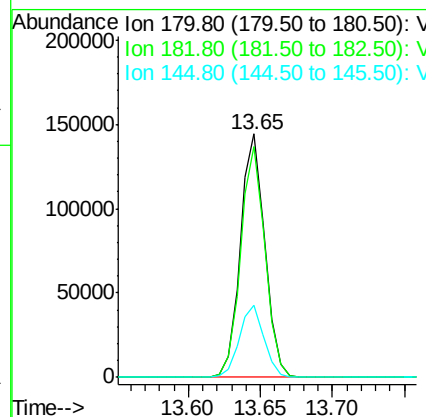
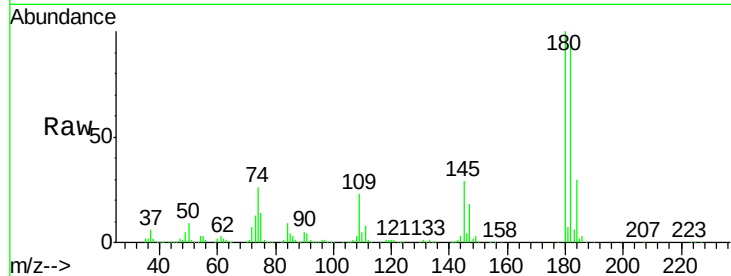
#93
 1,2,4-Trichlorobenzene
 Concen: 46.875 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170070		
182	94.9	47.6	142.9	
145	29.9	14.8	44.4	

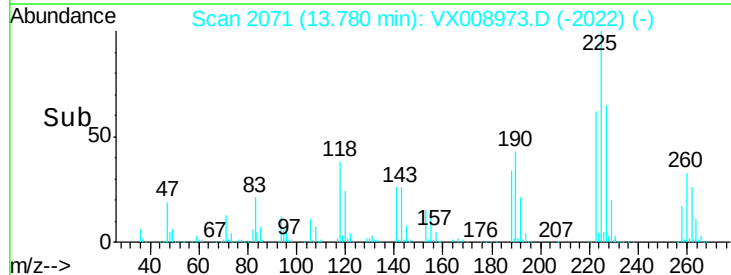
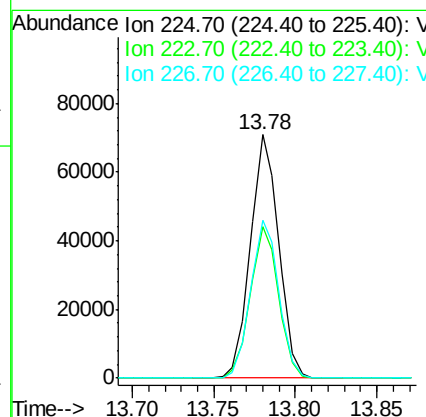
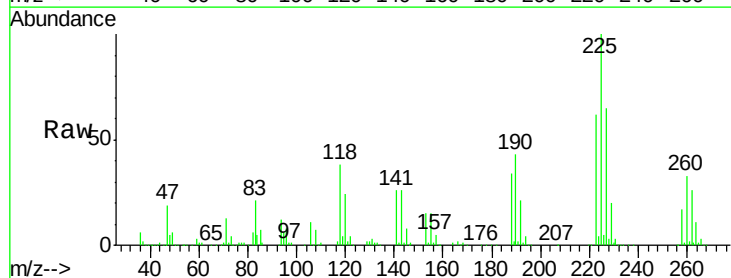
Manual Integrations
 APPROVED

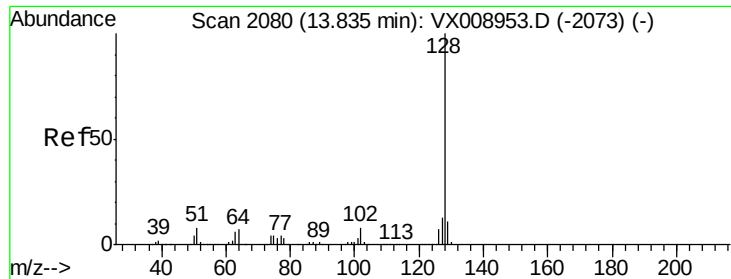
MMDadoda
 4/16/2019 10:53:44 AM



#94
 Hexachlorobutadiene
 Concen: 47.461 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008973.D
 Acq: 15 Apr 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85883		
223	62.2	31.1	93.2	
227	64.7	32.0	96.2	





#95

Naphthalene

Concen: 48.256 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Instrument :

MSVOA_X

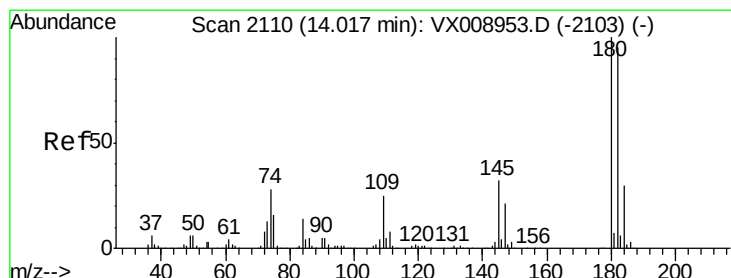
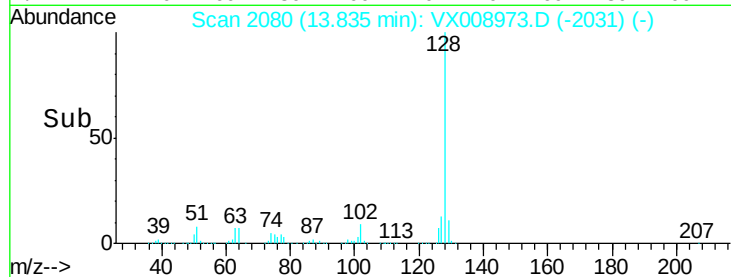
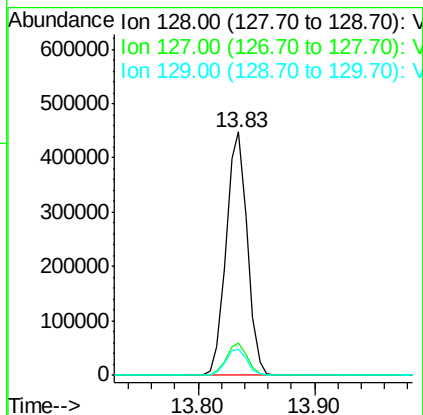
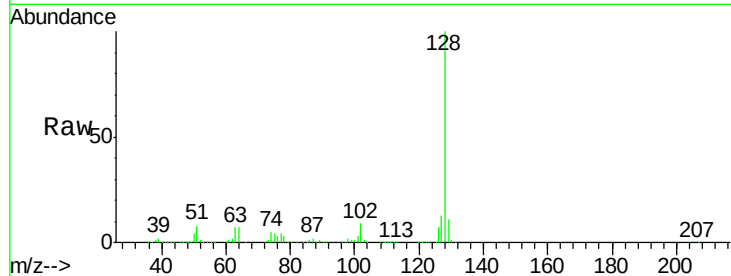
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	560935
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/16/2019 10:53:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.447 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008973.D

Acq: 15 Apr 2019 20:15

Tgt Ion:	180	Resp:	169852
Ion Ratio		Lower	Upper
180	100		
182	96.2	47.8	143.4
145	31.7	15.8	47.3

