

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041519\
 Data File : VX008954.D
 Acq On : 15 Apr 2019 11:32
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 10:53:02 AM

Quant Time: Apr 16 02:06:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 01:38:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	229002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376640	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	299483	91.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.62%	
35) Dibromofluoromethane	5.50	113	224634	93.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.82%	
50) Toluene-d8	8.71	98	876605	92.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.04%	
62) 4-Bromofluorobenzene	11.13	95	308743	91.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	271376	102.573	ug/l	99
3) Chloromethane	1.32	50	299245	83.228	ug/l	99
4) Vinyl Chloride	1.41	62	310418	88.965	ug/l	98
5) Bromomethane	1.64	94	193154	100.265	ug/l	97
6) Chloroethane	1.71	64	178537	76.978	ug/l	97
7) Trichlorofluoromethane	1.92	101	362372	93.479	ug/l	97
8) Diethyl Ether	2.19	74	164863	90.363	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	230838	92.974	ug/l	99
10) Methyl Iodide	2.51	142	262700	124.515	ug/l	100
11) Tert butyl alcohol	3.06	59	346104	453.817	ug/l	99
12) 1,1-Dichloroethene	2.37	96	236788	91.103	ug/l	100
13) Acrolein	2.29	56	313223	716.723	ug/l	100
14) Allyl chloride	2.73	41	544517	91.847	ug/l	99
15) Acrylonitrile	3.15	53	869096	430.710	ug/l	100
16) Acetone	2.45	43	778017	418.284	ug/l	99
17) Carbon Disulfide	2.57	76	706634	84.698	ug/l	99
18) Methyl Acetate	2.78	43	390244	85.741	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	865269	93.516	ug/l	100
20) Methylene Chloride	2.85	84	262386	83.541	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	252158	89.593	ug/l	97
22) Diisopropyl ether	3.86	45	1018606	89.338	ug/l	88
23) Vinyl Acetate	3.82	43	4665151	469.506	ug/l	100
24) 1,1-Dichloroethane	3.70	63	511820	90.725	ug/l	100
25) 2-Butanone	4.68	43	1298566	439.558	ug/l	98
26) 2,2-Dichloropropane	4.58	77	391801	97.834	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	288920	89.642	ug/l	99
28) Bromochloromethane	5.02	49	220687	83.090	ug/l	99
29) Tetrahydrofuran	5.13	42	861982	438.034	ug/l	100
30) Chloroform	5.21	83	460355	91.187	ug/l	100
31) Cyclohexane	5.58	56	508290m	89.859	ug/l	
32) 1,1,1-Trichloroethane	5.49	97	392786	96.045	ug/l	100
36) 1,1-Dichloropropene	5.80	75	370005	91.359	ug/l	100
37) Ethyl Acetate	4.84	43	498228	92.528	ug/l	100
38) Carbon Tetrachloride	5.79	117	333298	99.229	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	465446	92.918	ug/l	99
40) Benzene	6.15	78	1103944	91.509	ug/l	100
41) Methacrylonitrile	5.04	41	278076	89.559	ug/l	99
42) 1,2-Dichloroethane	6.19	62	388464	89.865	ug/l	99
43) Isopropyl Acetate	6.45	43	788436	93.278	ug/l	100
44) Trichloroethene	7.21	130	268534	95.082	ug/l	97
45) 1,2-Dichloropropane	7.51	63	309662	90.251	ug/l	100
46) Dibromomethane	7.66	93	179668	89.971	ug/l	99
47) Bromodichloromethane	7.90	83	362102	96.171	ug/l	99
48) Methyl methacrylate	7.77	41	389005	91.203	ug/l	100
49) 1,4-Dioxane	7.74	88	137027	1726.978	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2384516	439.063	ug/l	99
52) Toluene	8.79	92	651570	91.639	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	430615	101.652	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	477727	98.991	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	258331	90.450	ug/l	99
56) Ethyl methacrylate	9.18	69	471195	91.489	ug/l	100
57) 1,3-Dichloropropane	9.37	76	461411	90.170	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1281136	482.489	ug/l	100
59) 2-Hexanone	9.49	43	1845427	437.014	ug/l	100
60) Dibromochloromethane	9.59	129	270820	100.426	ug/l	98
61) 1,2-Dibromoethane	9.67	107	269652	90.714	ug/l	99
64) Tetrachloroethene	9.34	164	237011	98.843	ug/l	98
65) Chlorobenzene	10.14	112	656170	92.668	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	243646	98.116	ug/l	99
67) Ethyl Benzene	10.25	91	1227288	93.209	ug/l	99
68) m/p-Xylenes	10.36	106	897025	189.204	ug/l	100
69) o-Xylene	10.70	106	430311	93.630	ug/l	99
70) Styrene	10.71	104	761148	96.069	ug/l	100
71) Bromoform	10.86	173	200569	105.224	ug/l #	99
73) Isopropylbenzene	11.02	105	1148126	89.884	ug/l	100
74) N-amyl acetate	10.90	43	673210	89.643	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	404156	83.419	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	345052m	81.536	ug/l	
77) Bromobenzene	11.26	156	279256	90.432	ug/l	98
78) n-propylbenzene	11.36	91	1339482	90.109	ug/l	99
79) 2-Chlorotoluene	11.42	91	781005	86.861	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	973845	90.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	157074	101.472	ug/l	97
82) 4-Chlorotoluene	11.51	91	912699	87.648	ug/l	99
83) tert-Butylbenzene	11.77	119	946318	91.780	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	974876	89.894	ug/l	100
85) sec-Butylbenzene	11.94	105	1118646	91.327	ug/l	99
86) p-Isopropyltoluene	12.07	119	1021470	92.627	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	502185	90.885	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	499177	89.074	ug/l	99
89) n-Butylbenzene	12.39	91	967039	93.604	ug/l	99
90) Hexachloroethane	12.60	117	176228	96.256	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	494458	90.140	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	97196	90.929	ug/l	99

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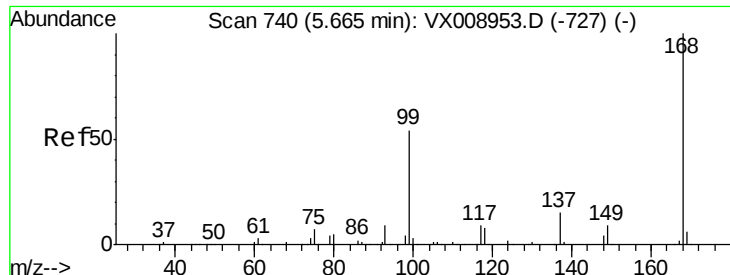
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	368089	95.696	ug/l	99
94) Hexachlorobutadiene	13.78	225	180047	97.666	ug/l	99
95) Naphthalene	13.83	128	1185627	93.078	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	360334	93.955	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 229002

Ion Ratio Lower Upper

168 100

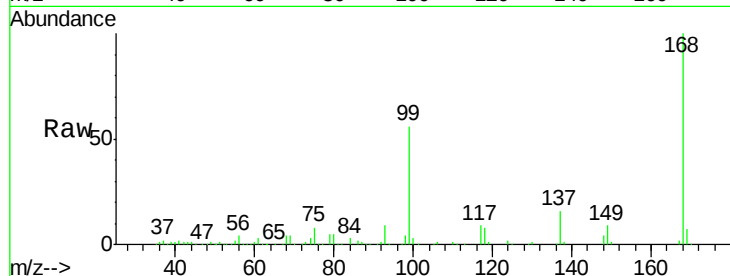
99 55.6 43.0 64.6

Manual Integrations

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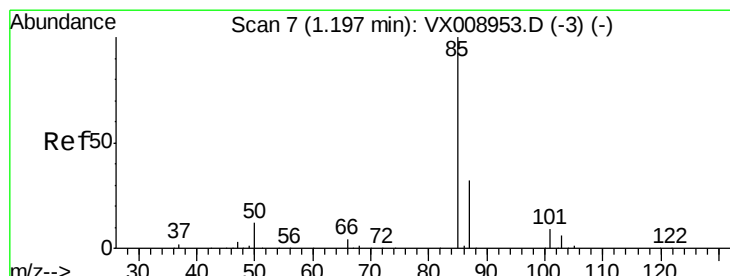
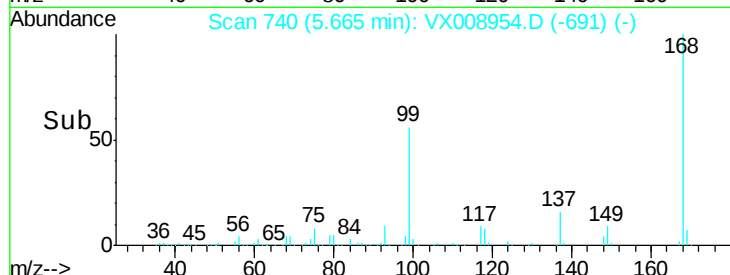


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 102.573 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008954.D

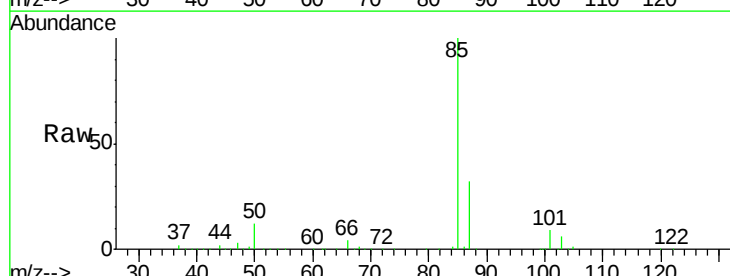
Acq: 15 Apr 2019 11:32

Tgt Ion: 85 Resp: 271376

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9

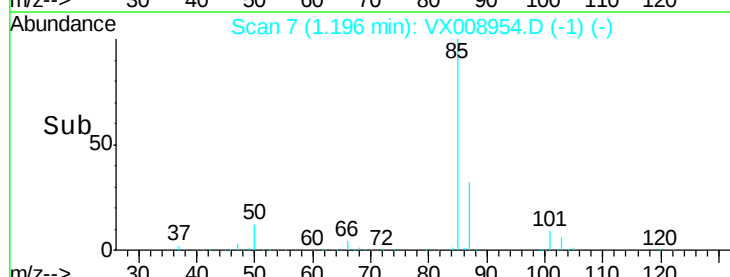


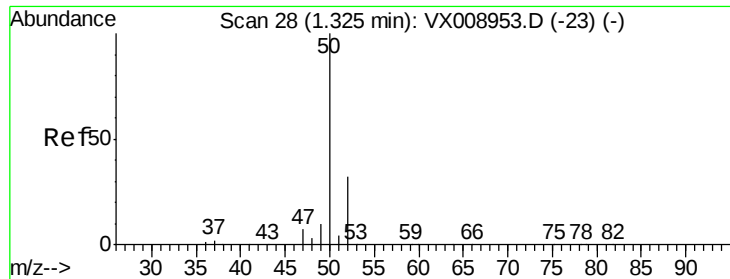
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->





#3

Chloromethane

Concen: 83.228 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 299245

Ion Ratio Lower Upper

50 100

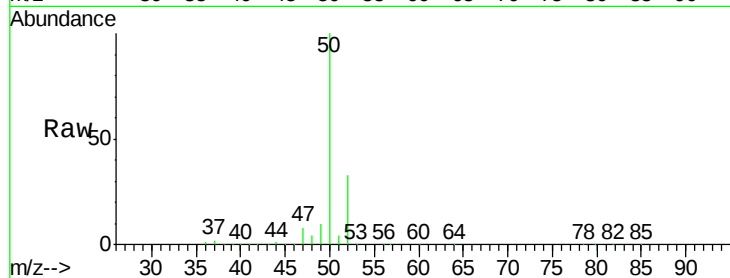
52 32.5 25.5 38.3

Manual Integrations

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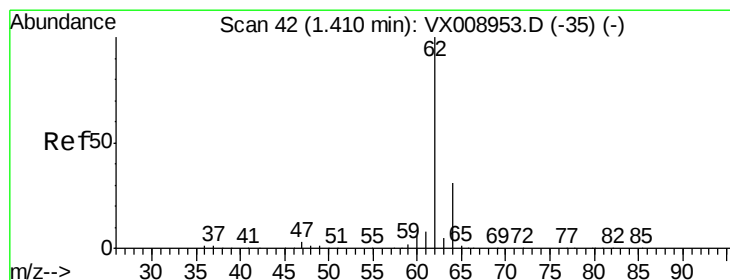
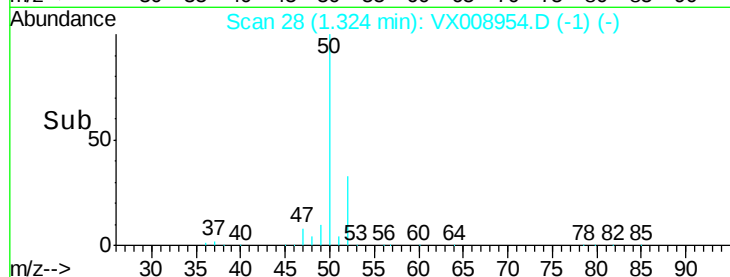
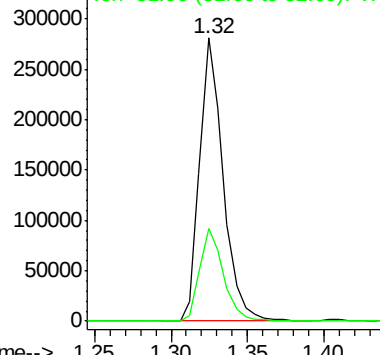
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 88.965 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008954.D

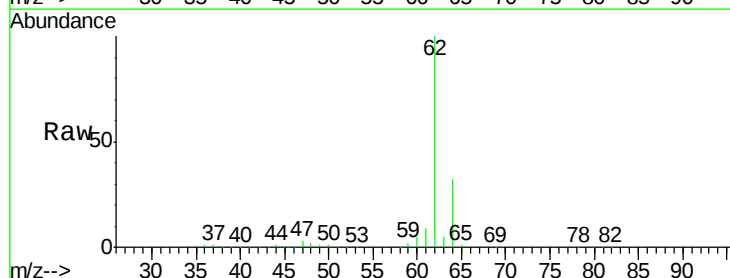
Acq: 15 Apr 2019 11:32

Tgt Ion: 62 Resp: 310418

Ion Ratio Lower Upper

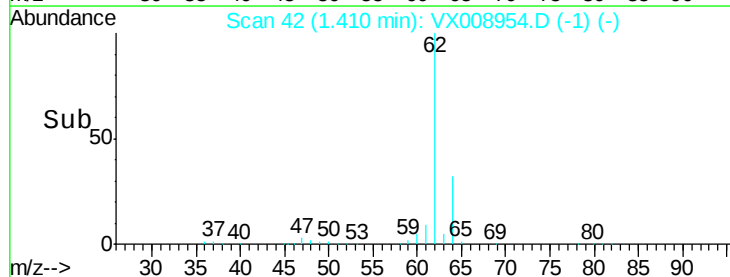
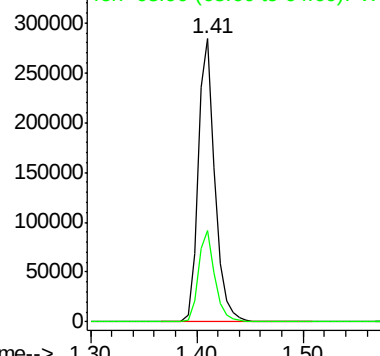
62 100

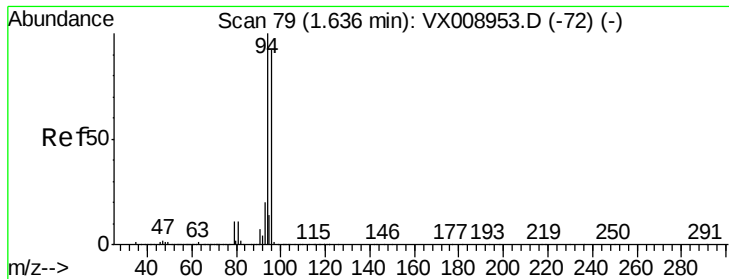
64 32.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 100.265 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 193154

Ion Ratio Lower Upper

94 100

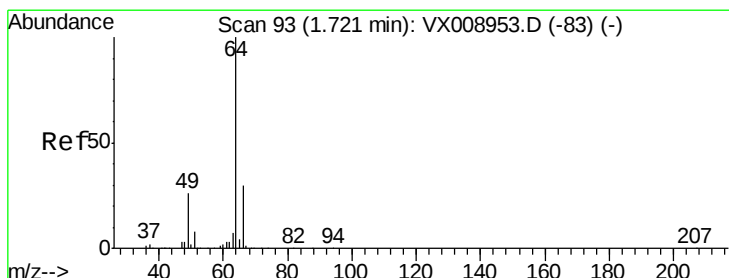
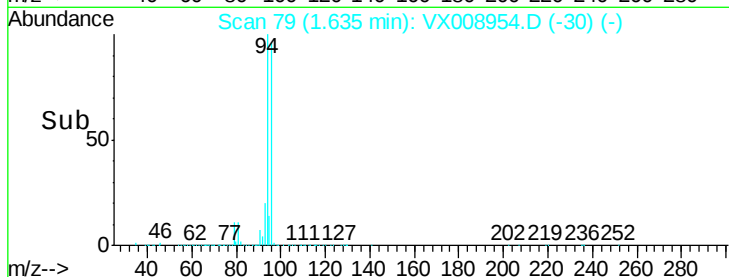
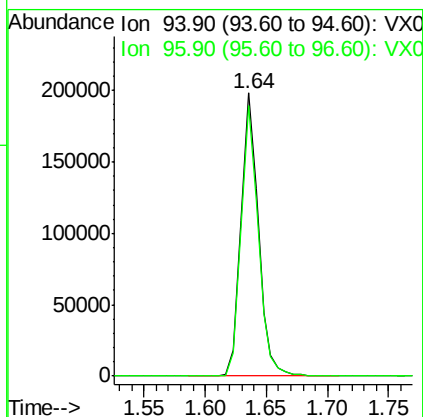
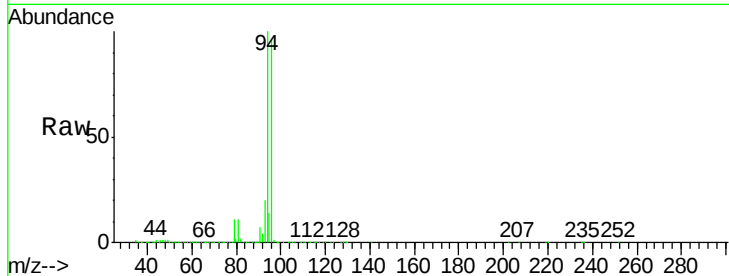
96 95.6 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 76.978 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008954.D

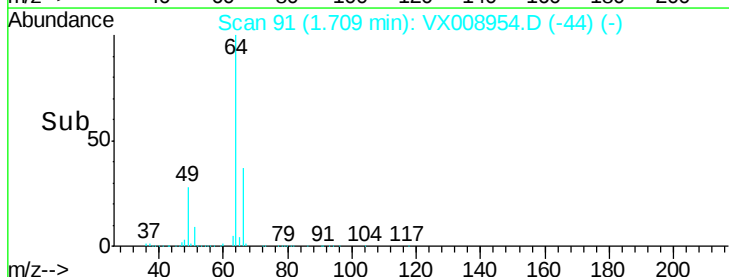
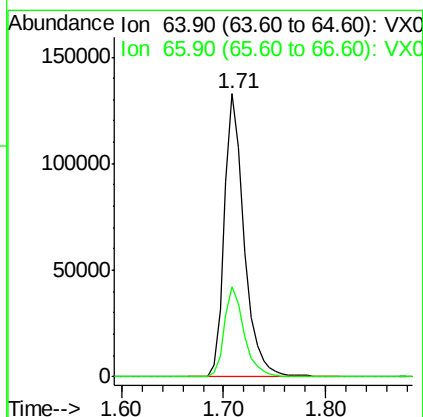
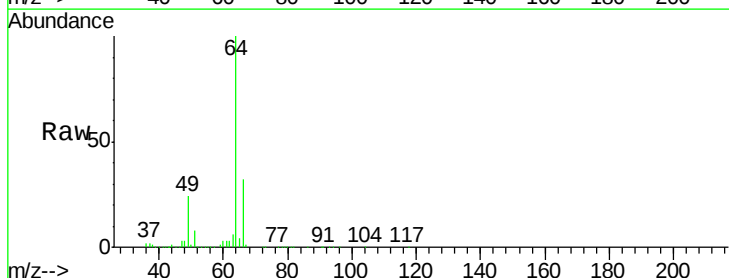
Acq: 15 Apr 2019 11:32

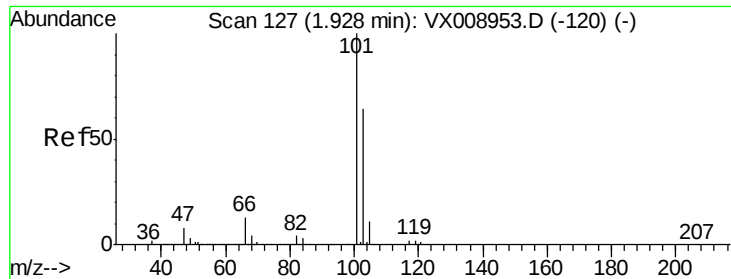
Tgt Ion: 64 Resp: 178537

Ion Ratio Lower Upper

64 100

66 31.7 24.2 36.2





#7

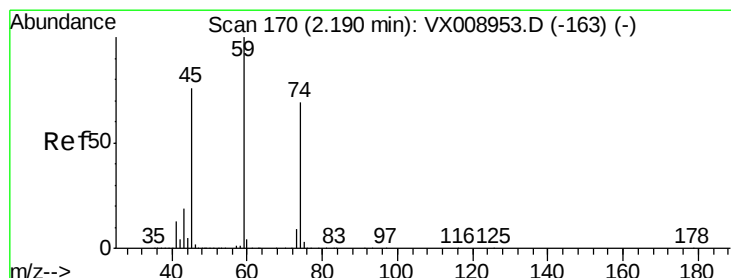
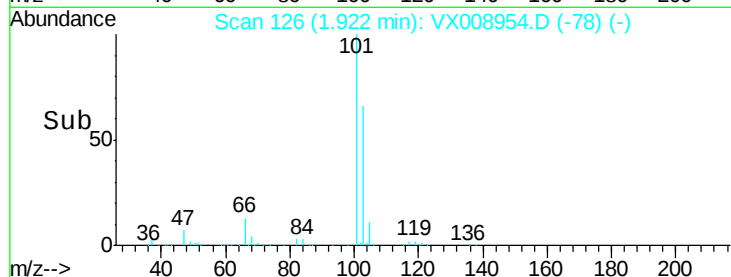
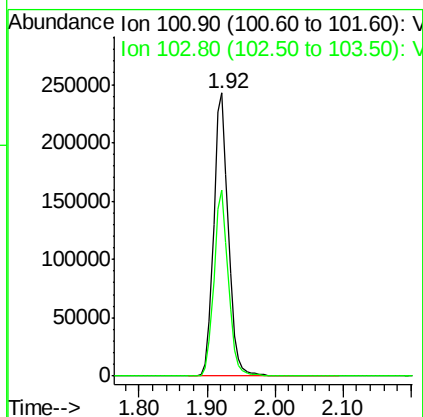
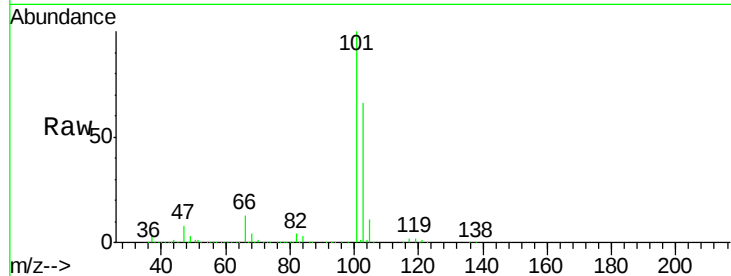
Trichlorofluoromethane
 Concen: 93.479 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.0	76.6

Manual Integrations
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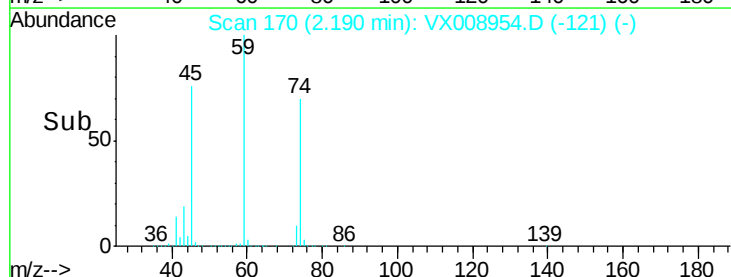
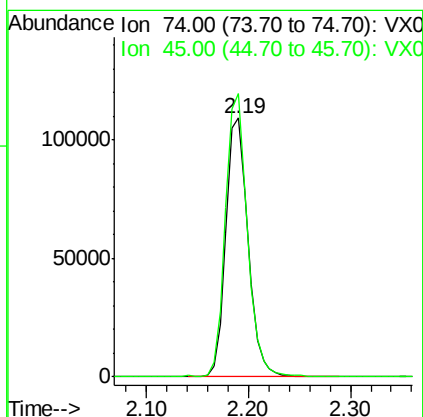
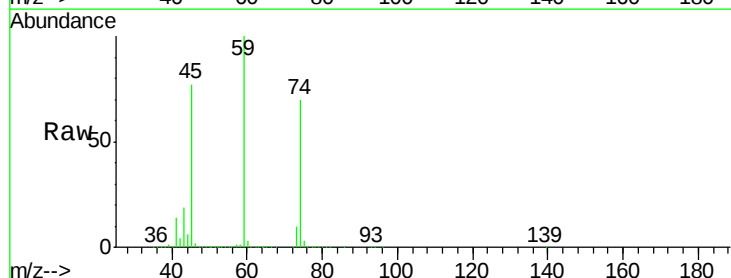
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 4/16/2019 10:53:02 AM

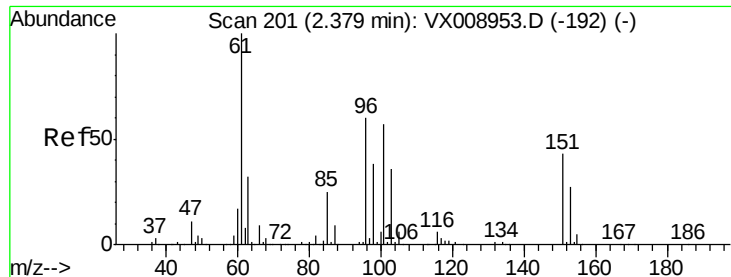


#8

Diethyl Ether
 Concen: 90.363 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.3	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.974 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 230838

Ion Ratio Lower Upper

101 100

85 43.8 35.7 53.5

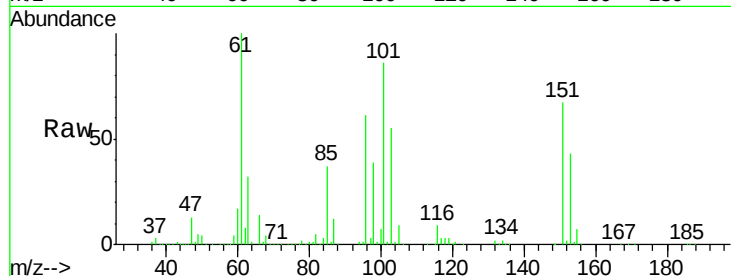
151 77.4 62.7 94.1

Manual Integrations

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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

150000

100000

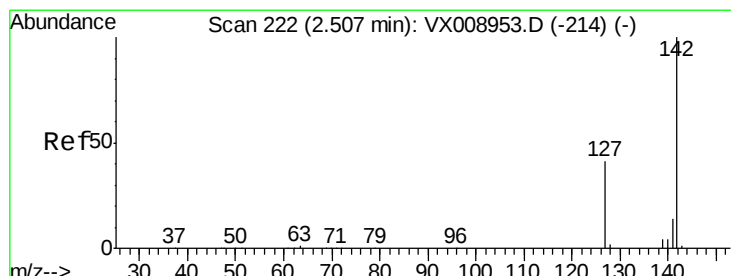
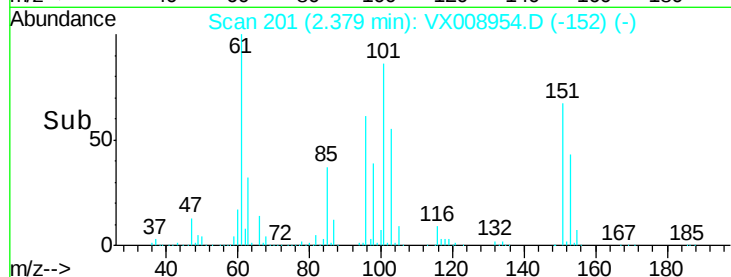
50000

0

2.38

2.30 2.40 2.50

Time-->



#10

Methyl Iodide

Concen: 124.515 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

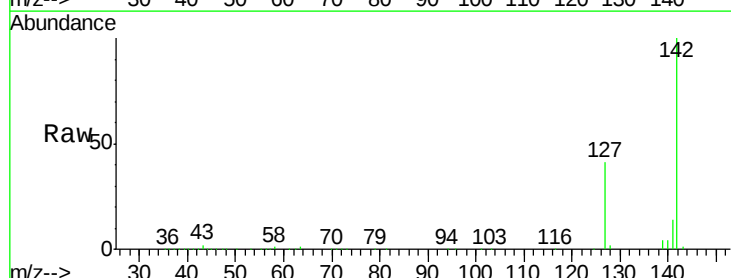
Tgt Ion:142 Resp: 262700

Ion Ratio Lower Upper

142 100

127 41.2 32.8 49.2

141 14.6 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

150000

100000

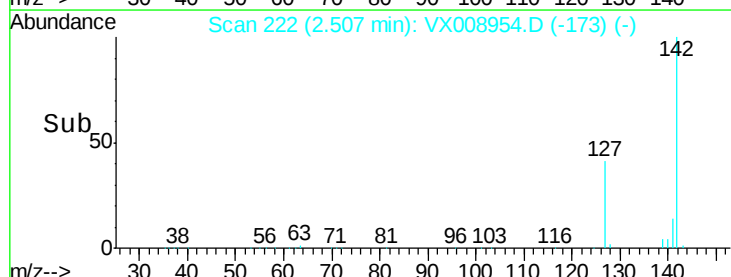
50000

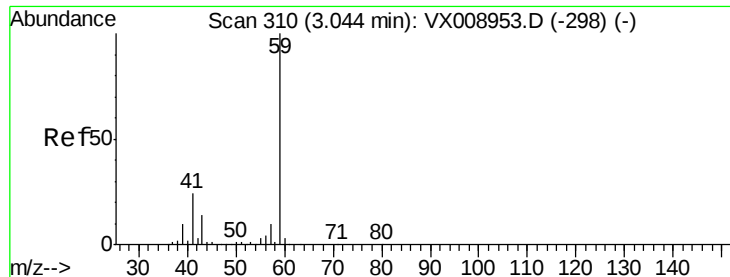
0

2.51

2.40 2.50 2.60

Time-->





#11

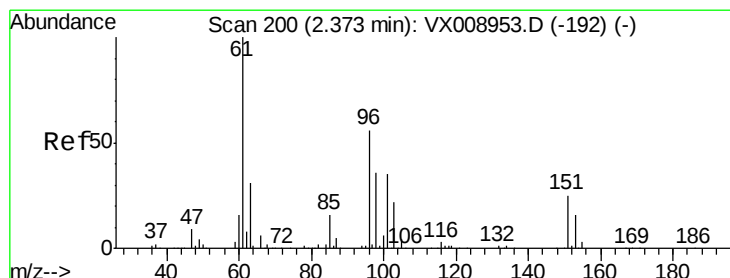
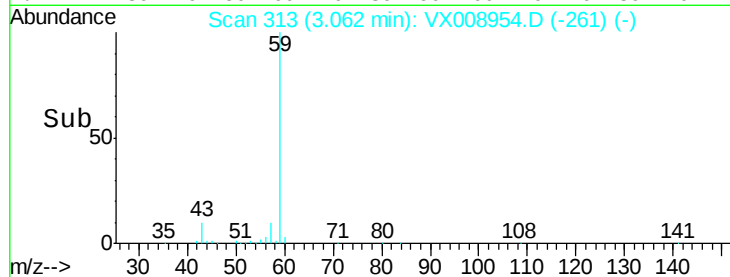
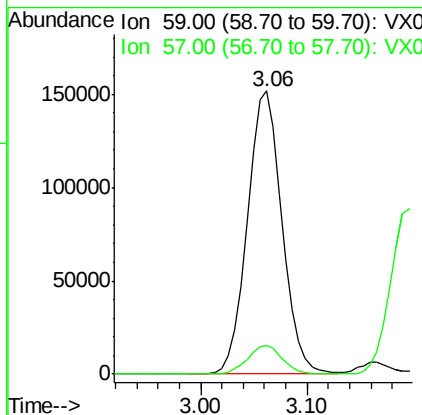
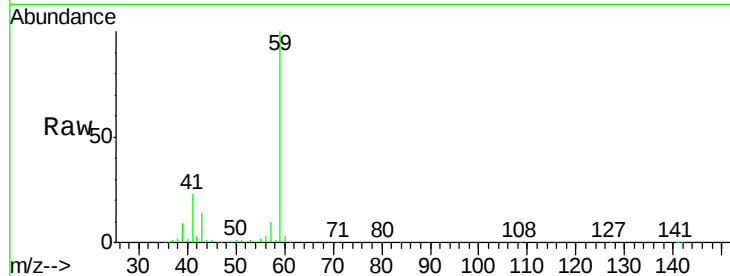
Tert butyl alcohol
Concen: 453.817 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.02 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	346104		
57	57	10.3		8.4	12.6

Manual Integrations
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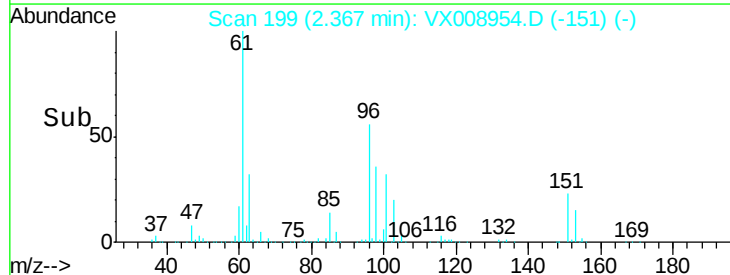
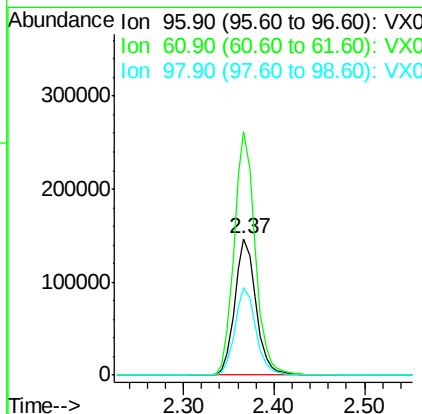
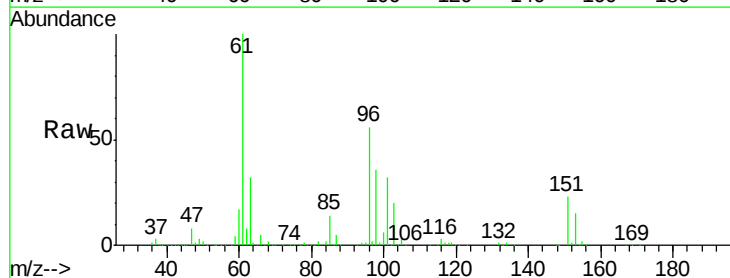
MMDadoda
4/16/2019 10:53:02 AM

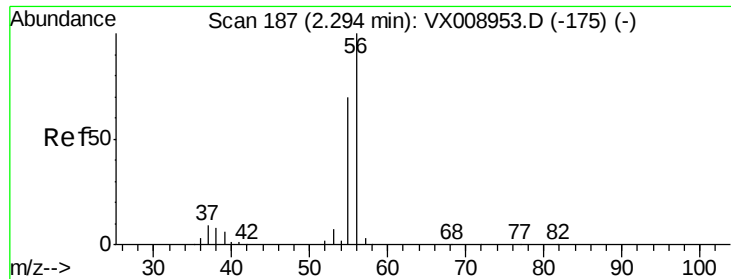


#12

1,1-Dichloroethene
Concen: 91.103 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	236788		
61	61	178.2		142.2	213.2
98	98	63.6		50.9	76.3





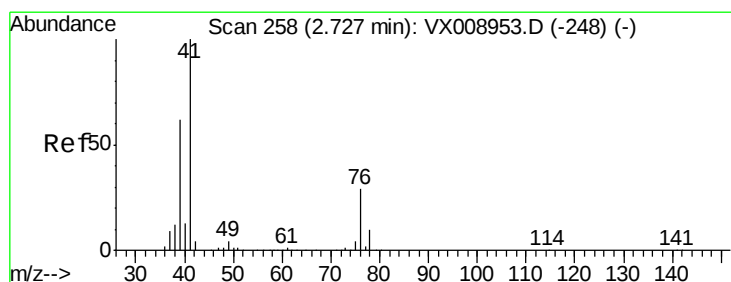
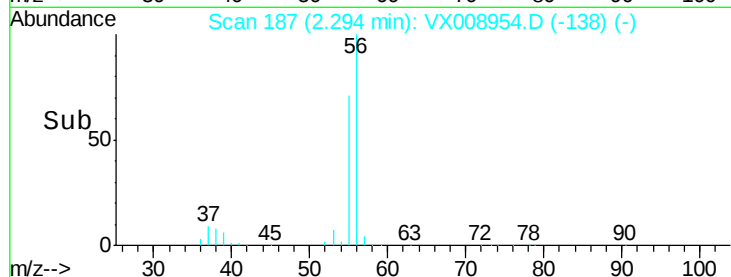
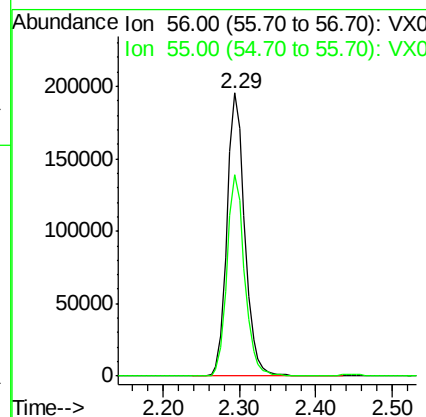
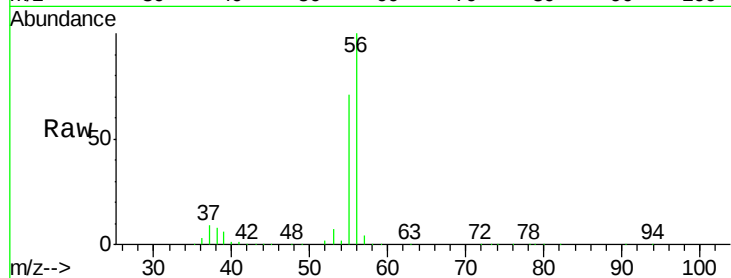
#13
 Acrolein
 Concen: 716.723 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.6	84.8

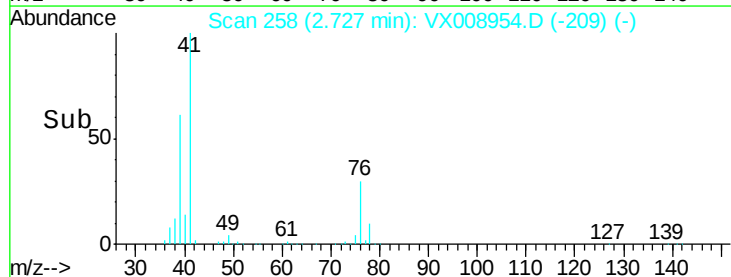
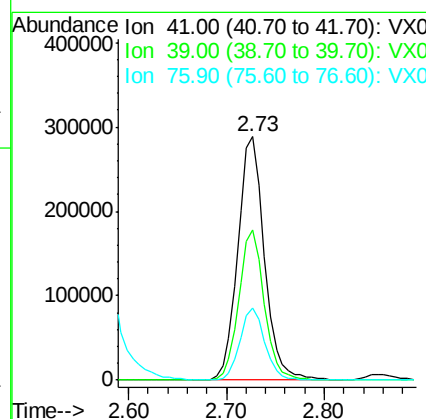
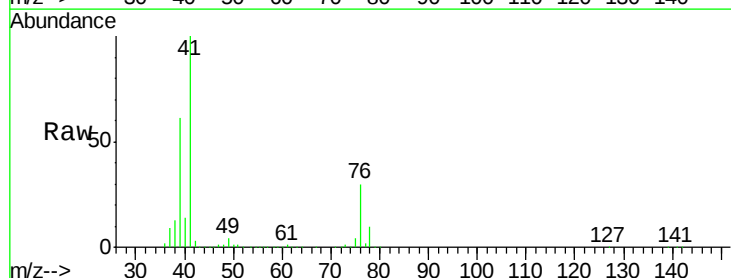
Manual Integrations
 APPROVED

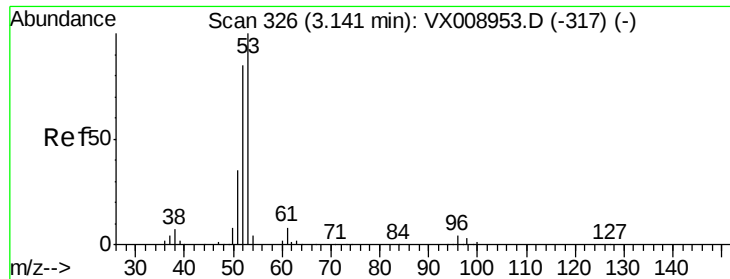
MMDadoda
 4/16/2019 10:53:02 AM



#14
 Allyl chloride
 Concen: 91.847 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.1	46.7	70.1
76	28.0	22.0	33.0





#15

Acrylonitrile

Concen: 430.710 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

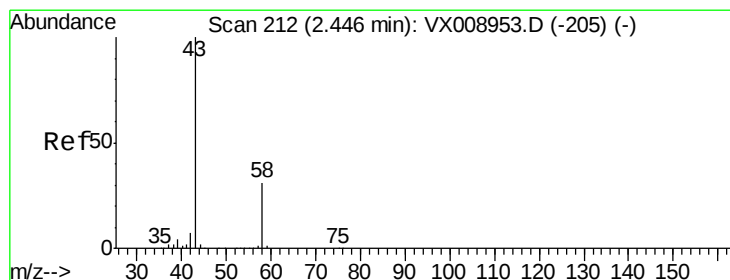
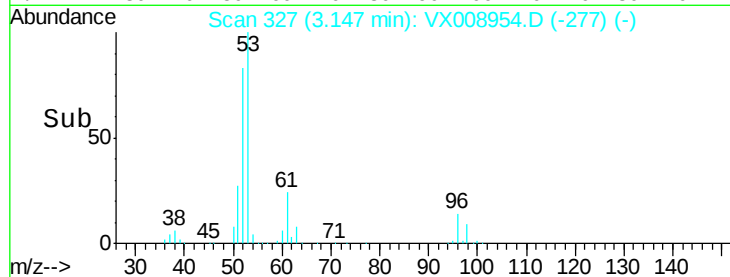
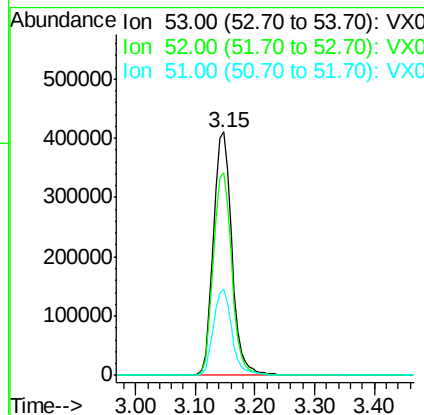
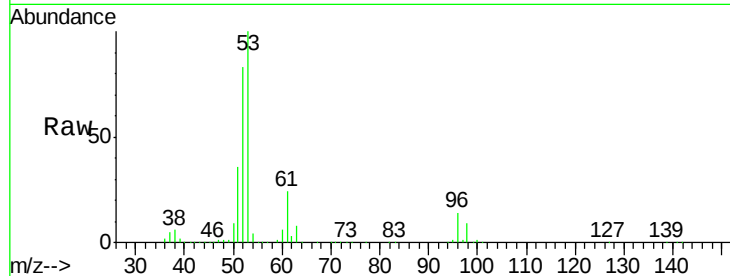
ClientSampleId :

VSTDICC100

Tot Ion:	53	Resp:	869096
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	35.6	28.3	42.5

Manual Integrations
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MMDadoda
4/16/2019 10:53:02 AM



#16

Acetone

Concen: 418.284 ug/l

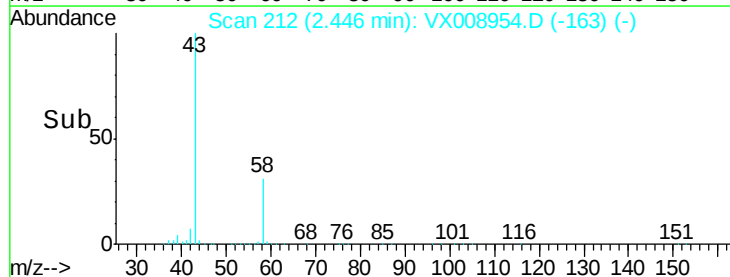
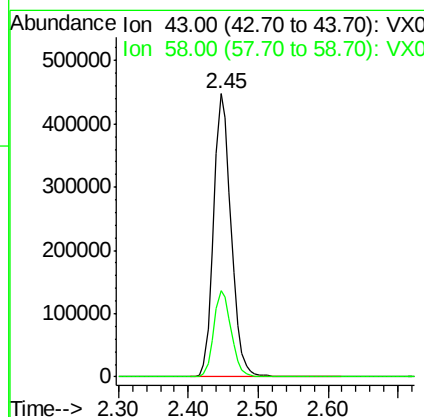
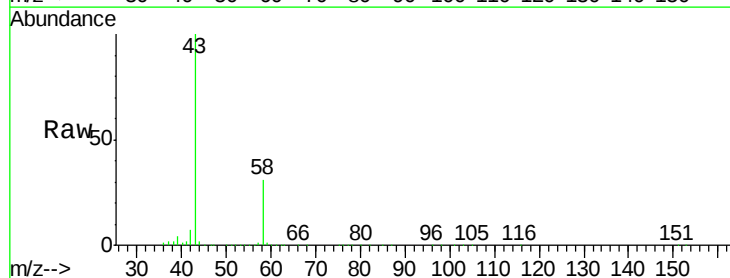
RT: 2.45 min Scan# 212

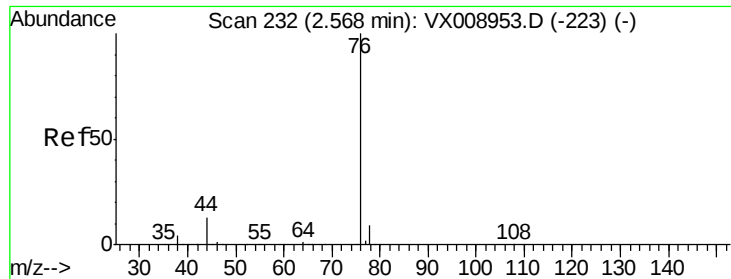
Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Tgt Ion:	43	Resp:	778017
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.8	37.2





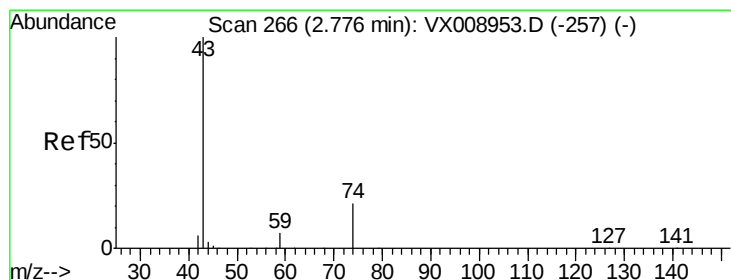
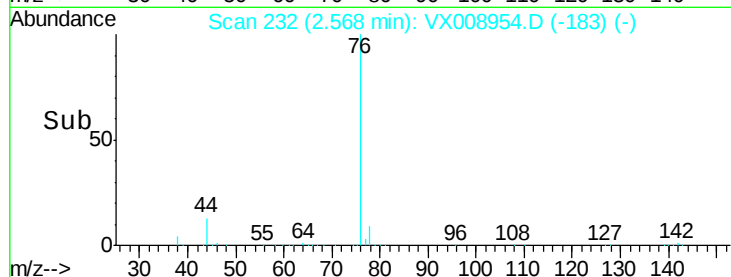
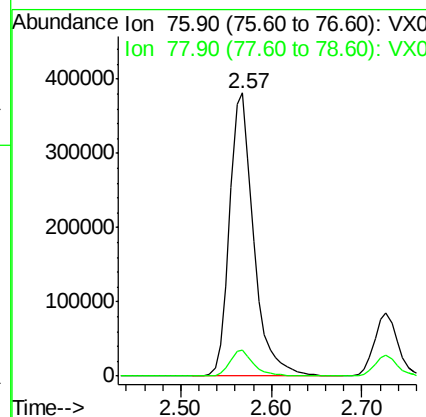
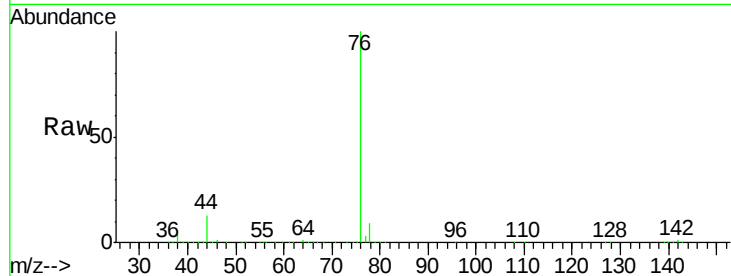
#17
Carbon Disulfide
Concen: 84.698 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

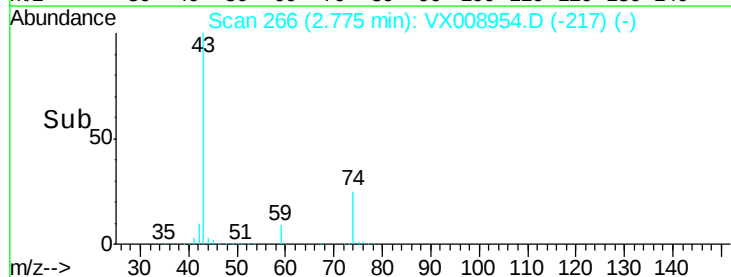
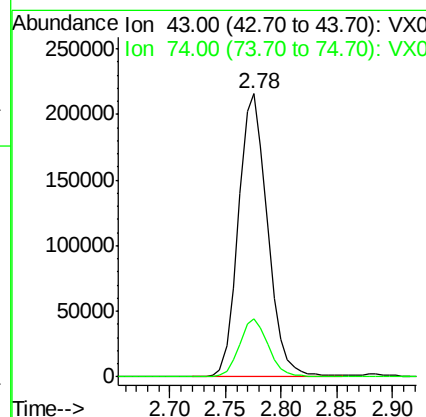
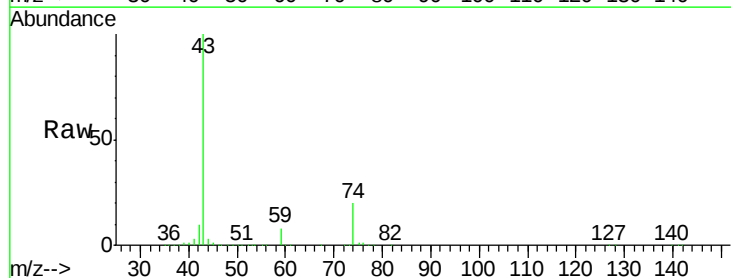
Manual Integrations
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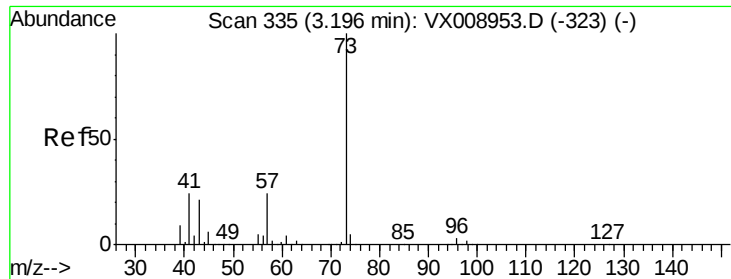
MMDadoda
4/16/2019 10:53:02 AM



#18
Methyl Acetate
Concen: 85.741 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.6	25.0





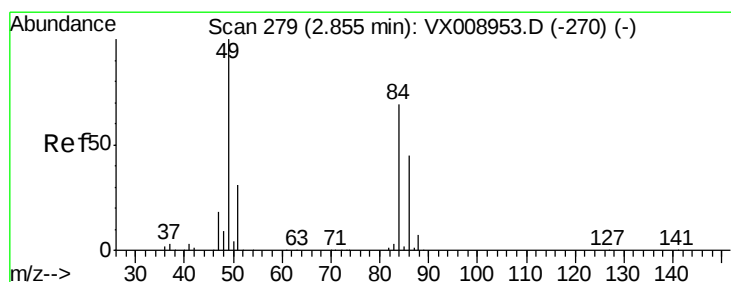
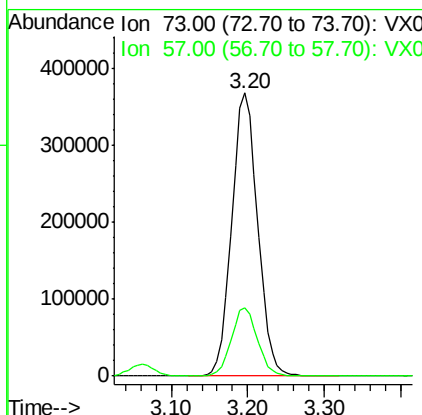
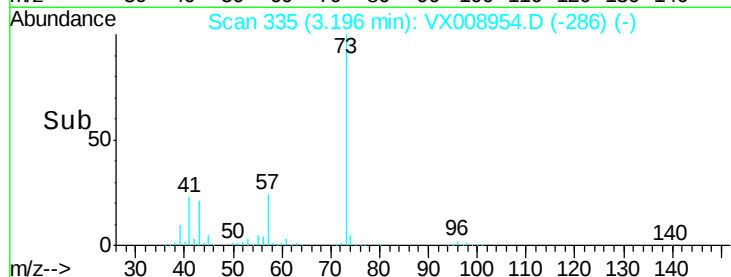
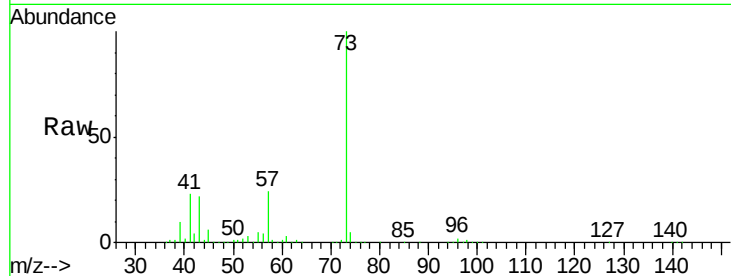
#19
Methvl tert-butvl Ether
Concen: 93.516 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 865269
Ion Ratio Lower Upper
73 100
57 24.1 19.2 28.8

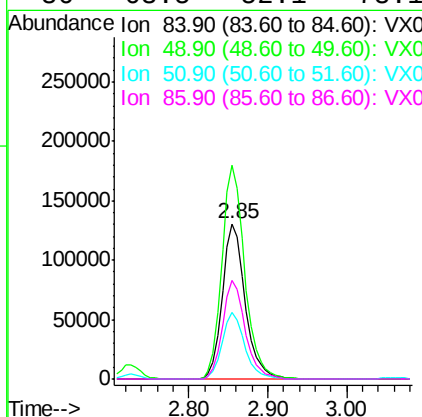
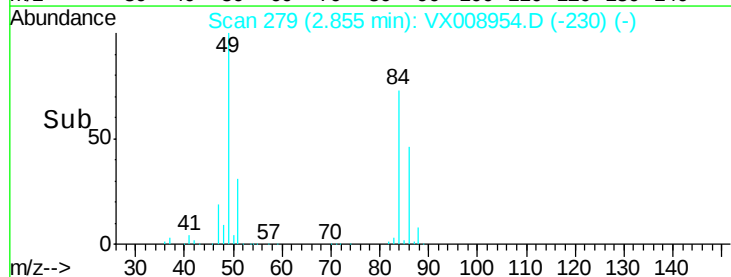
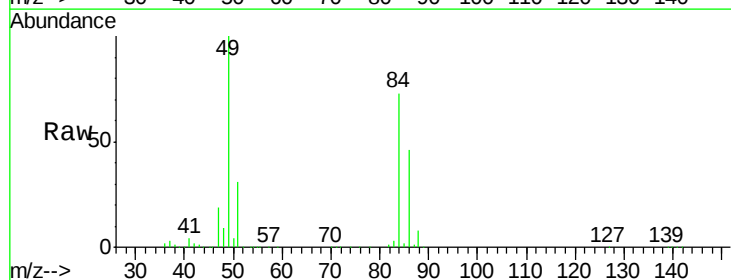
Manual Integrations
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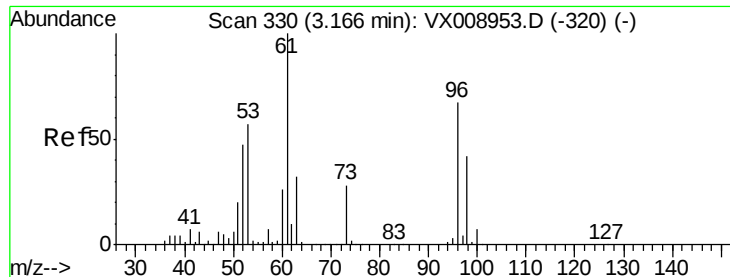
MMDadoda
4/16/2019 10:53:02 AM



#20
Methylene Chloride
Concen: 83.541 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion: 84 Resp: 262386
Ion Ratio Lower Upper
84 100
49 137.6 115.4 173.0
51 43.0 35.8 53.6
86 63.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 89.593 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 252158

Ion Ratio Lower Upper

96 100

61 155.8 120.3 180.5

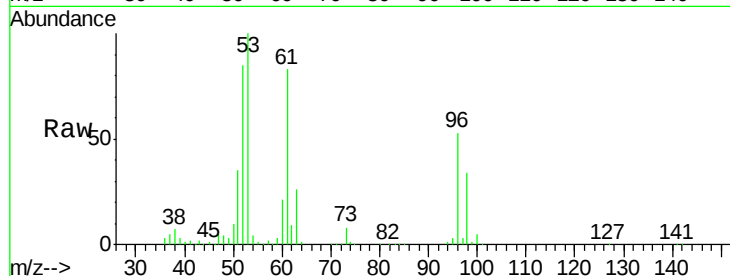
98 63.3 50.2 75.2

Manual Integrations

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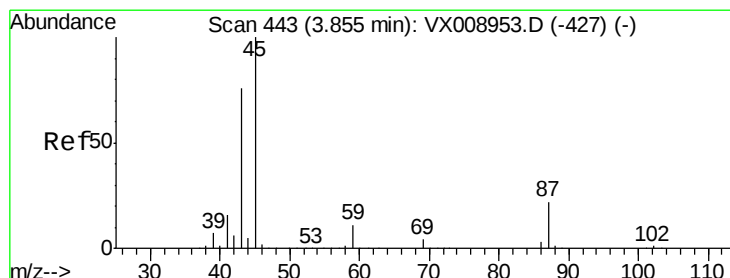
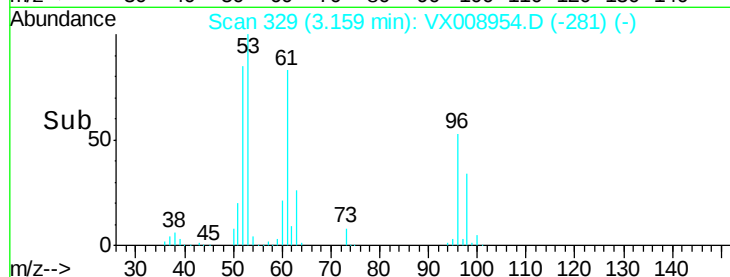
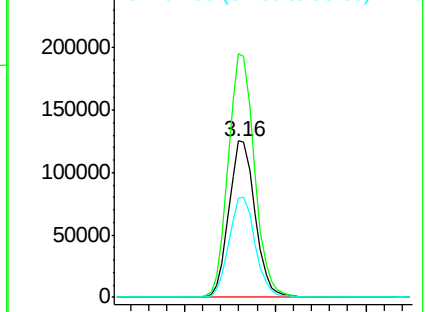


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 89.338 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Tgt Ion: 45 Resp: 1018606

Ion Ratio Lower Upper

45 100

43 61.2 60.6 91.0

87 23.1 17.8 26.8

59 10.7 8.7 13.1

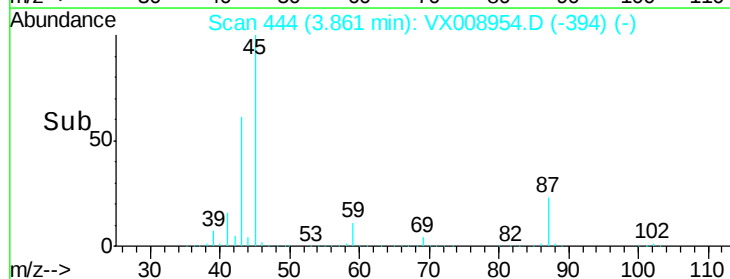
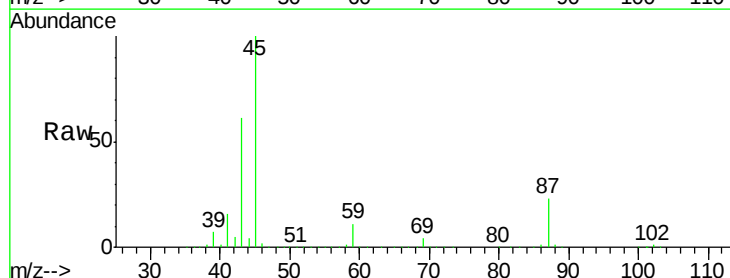
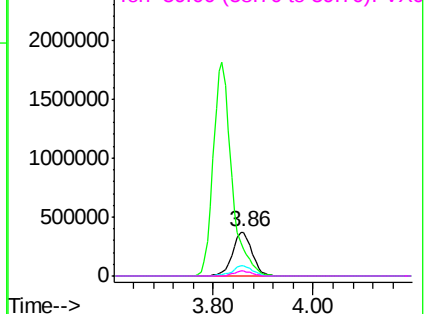
Abundance

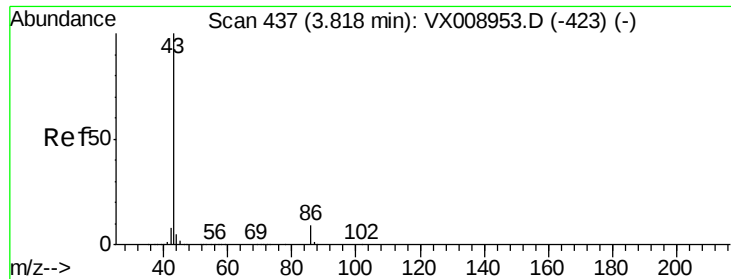
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 469.506 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4665151

Ion Ratio Lower Upper

43 100

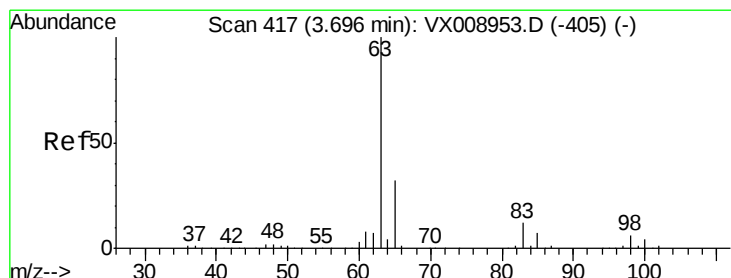
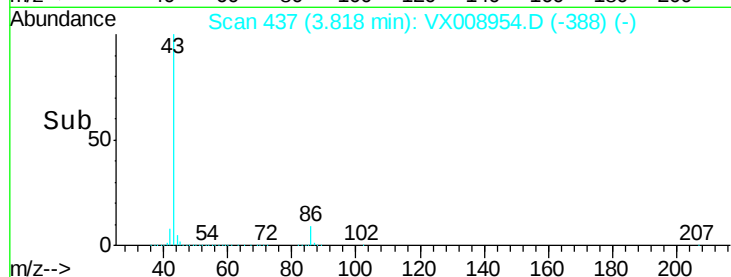
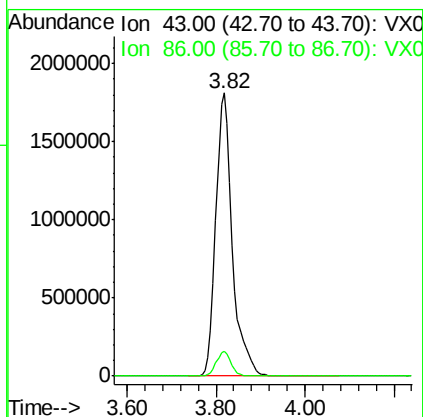
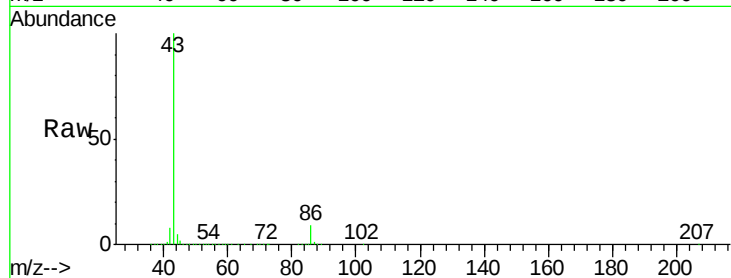
86 8.8 7.1 10.7

Manual Integrations

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4/16/2019 10:53:02 AM



#24

1,1-Dichloroethane

Concen: 90.725 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

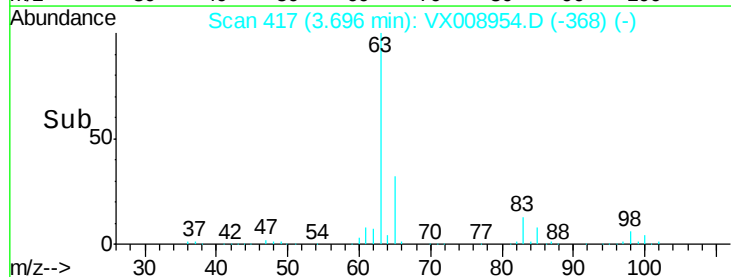
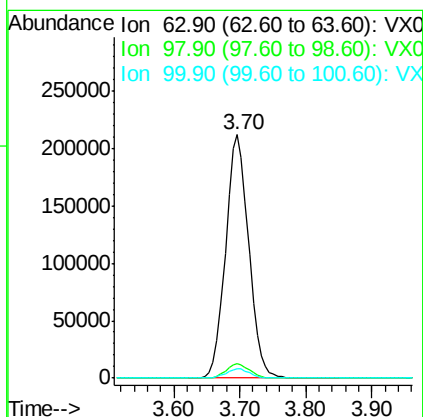
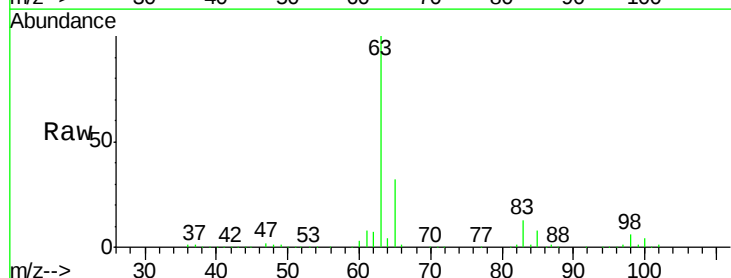
Tgt Ion: 63 Resp: 511820

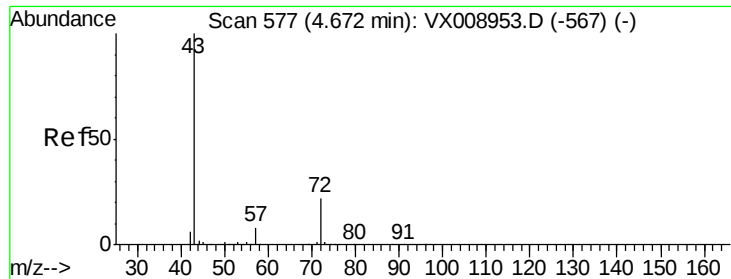
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.3

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 439.558 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Tot Ion: 43 Resp: 1298566

Ion Ratio Lower Upper

43 100

72 22.7 17.5 26.3

Instrument :

MSVOA_X

ClientSampleId :

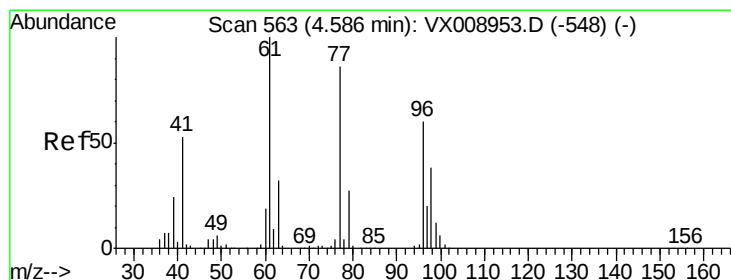
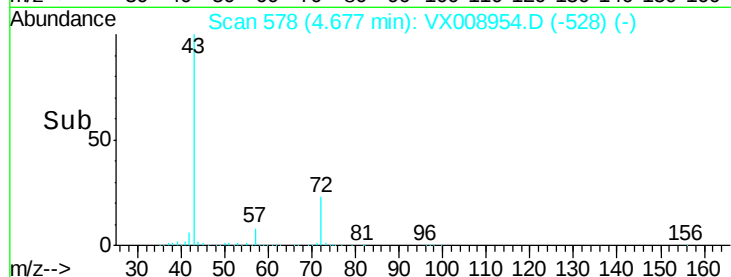
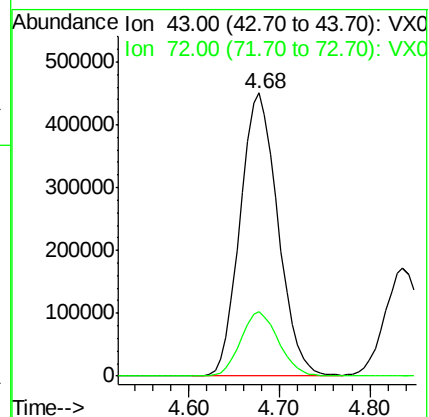
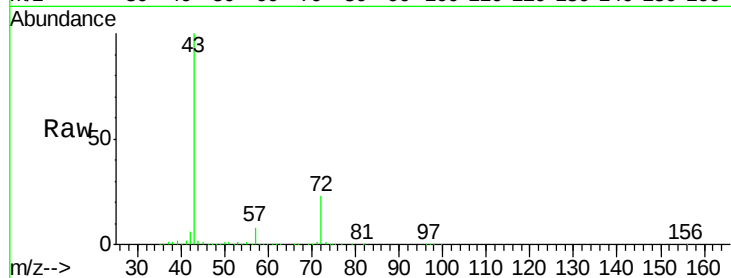
VSTDIC100

Manual Integrations

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MMDadoda

4/16/2019 10:53:02 AM



#26

2,2-Dichloropropane

Concen: 97.834 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008954.D

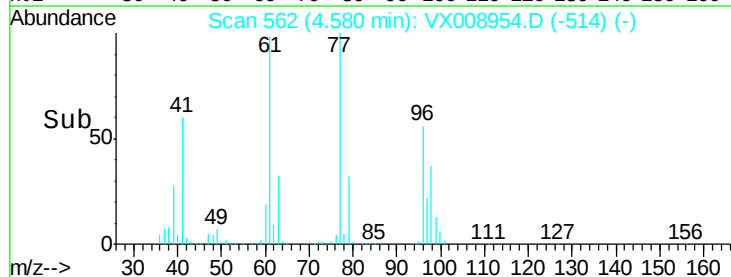
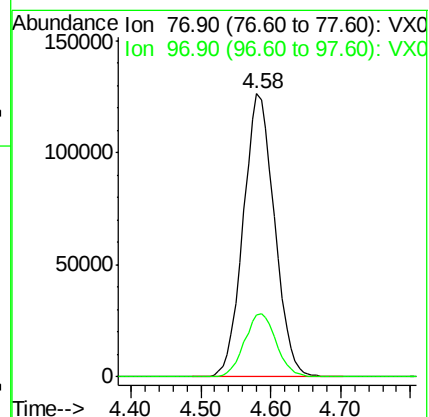
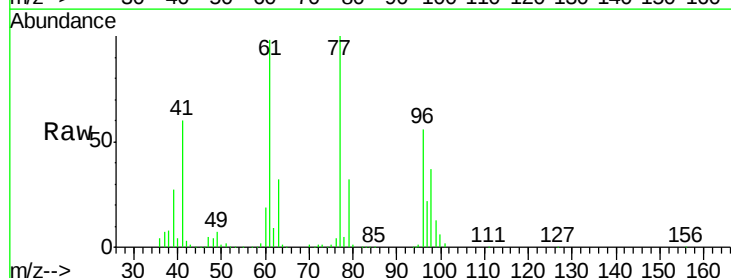
Acq: 15 Apr 2019 11:32

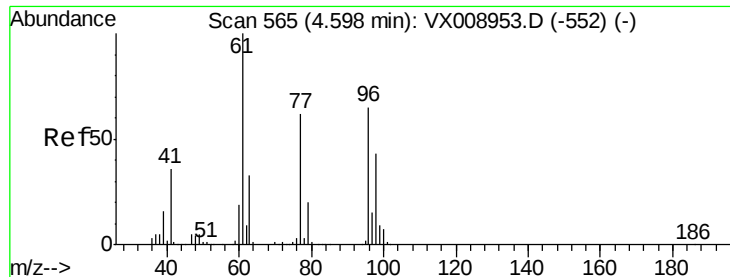
Tgt Ion: 77 Resp: 391801

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0





#27

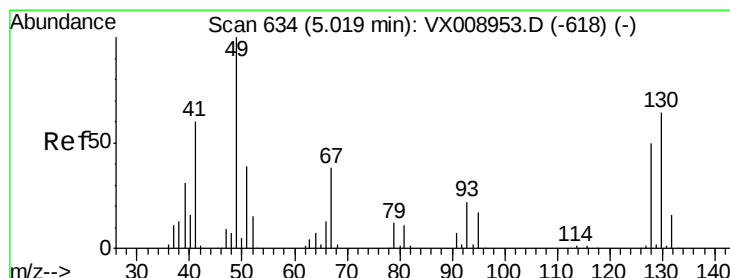
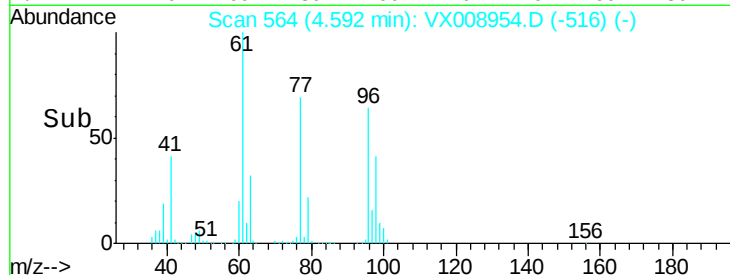
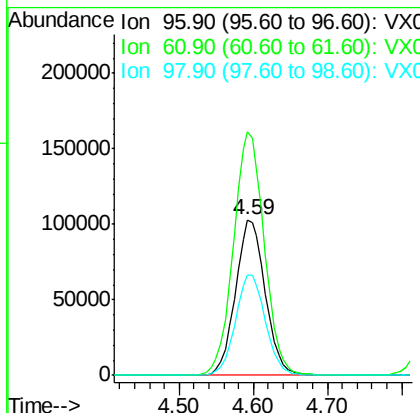
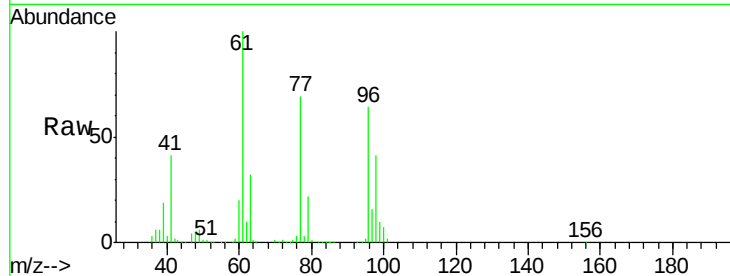
cis-1,2-Dichloroethene
Concen: 89.642 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	288920		
61	162.1	0.0	322.0	
98	65.1	0.0	128.4	

Manual Integrations
APPROVED

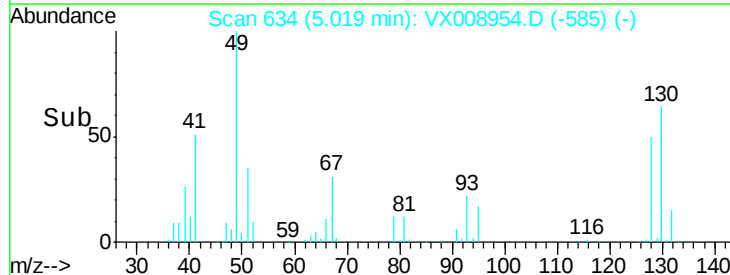
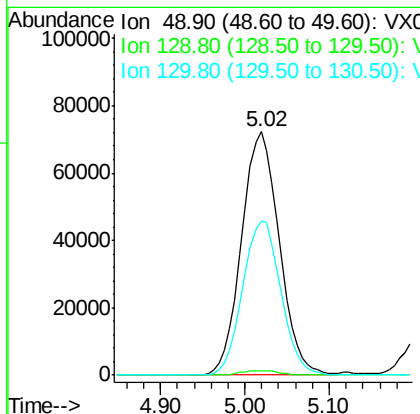
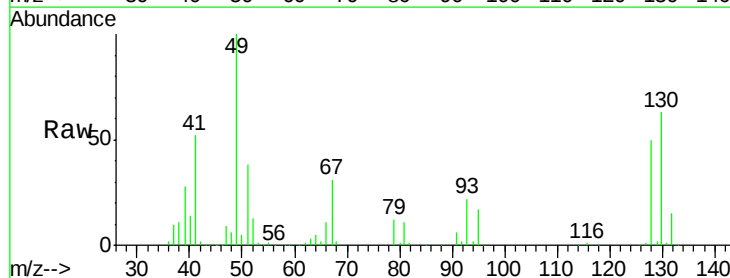
MMDadoda
4/16/2019 10:53:02 AM

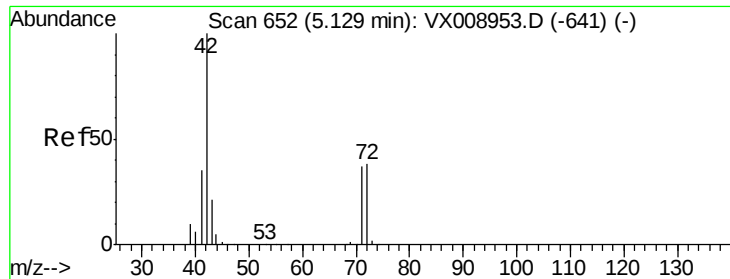


#28

Bromochloromethane
Concen: 83.090 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	220687		
129	1.8	0.0	3.6	
130	64.0	50.4	75.6	





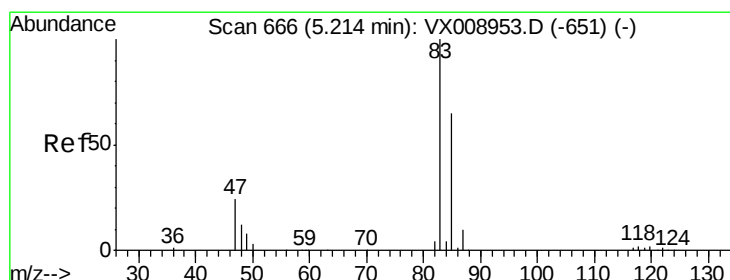
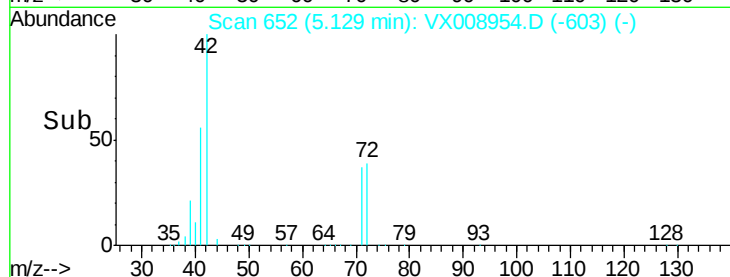
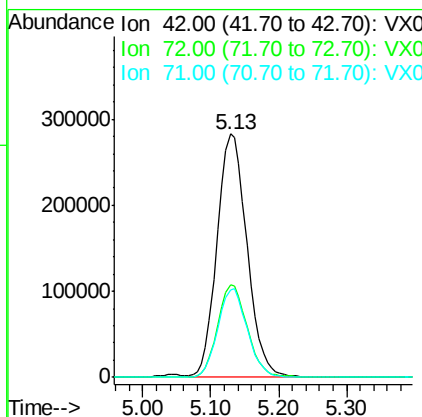
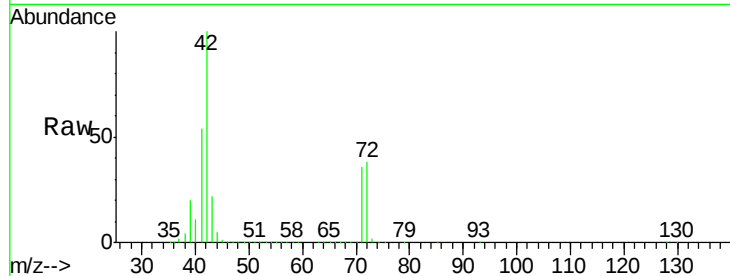
#29
Tetrahydrofuran
Concen: 438.034 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.6	45.8
71	36.0	28.8	43.2

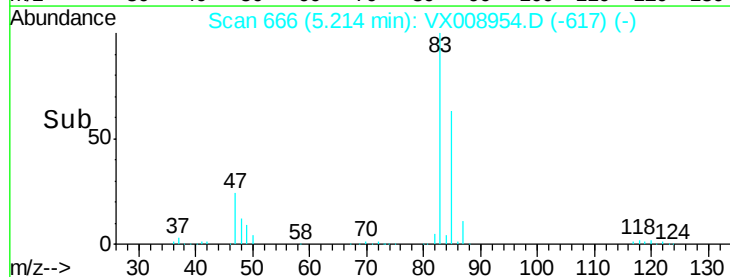
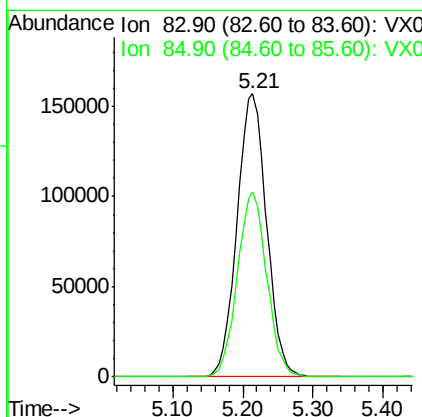
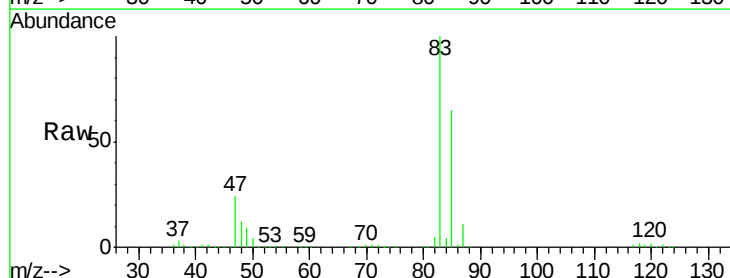
Manual Integrations
APPROVED

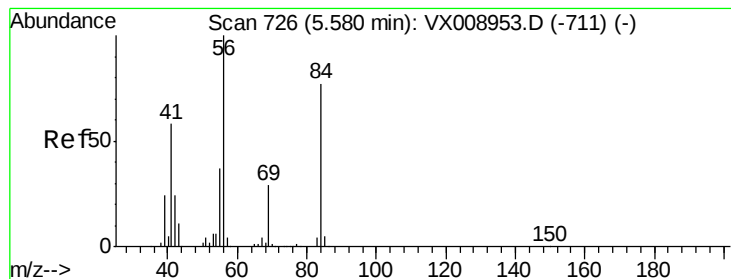
MMDadoda
4/16/2019 10:53:02 AM



#30
Chloroform
Concen: 91.187 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9





#31

Cyclohexane

Concen: 89.859 ug/l m

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

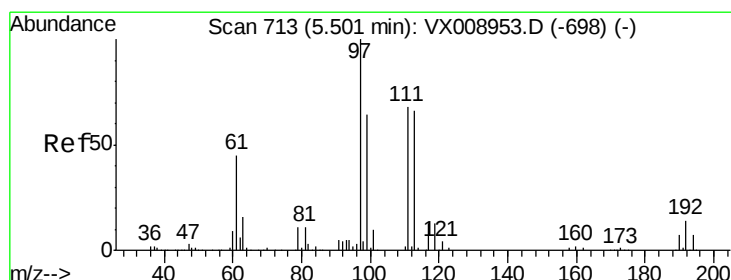
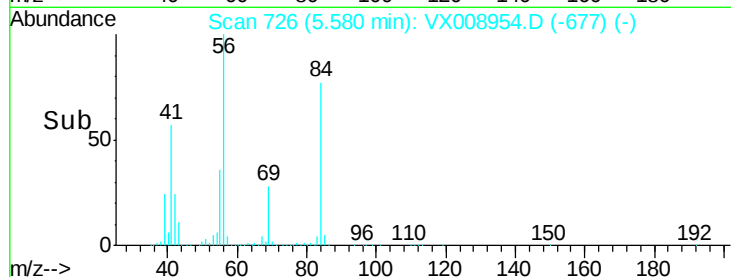
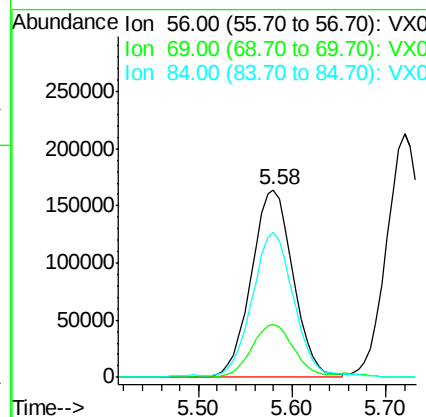
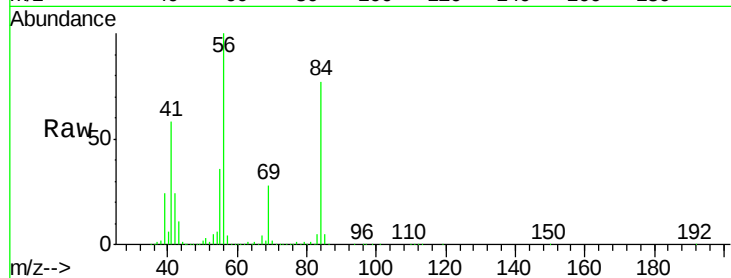
ClientSampled :

VSTDIC100

Tot Ion:	56	Resp:	508290
Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.3	34.9
84	77.0	61.7	92.5

Manual Integrations
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4/16/2019 10:53:02 AM



#32

1,1,1-Trichloroethane

Concen: 96.045 ug/l

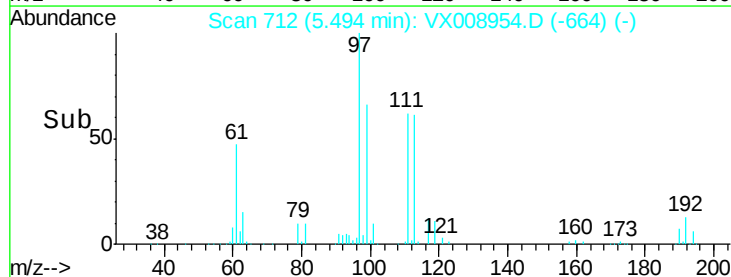
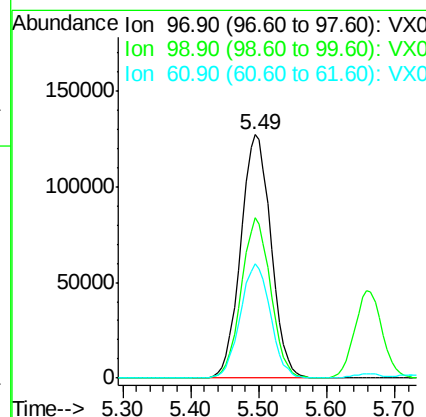
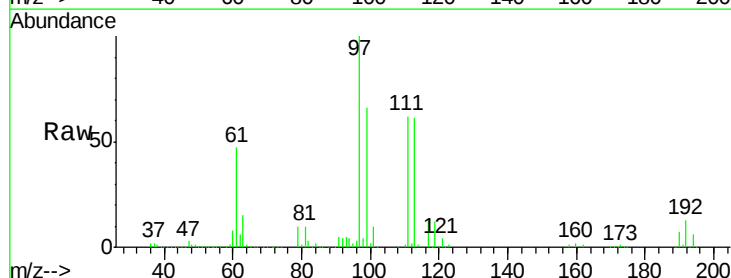
RT: 5.49 min Scan# 712

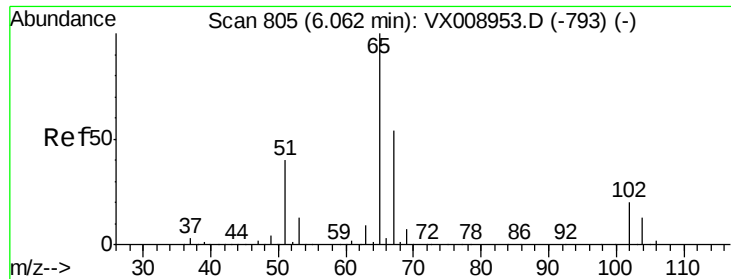
Delta R.T. -0.01 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Tgt Ion:	97	Resp:	392786
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	46.9	37.9	56.9





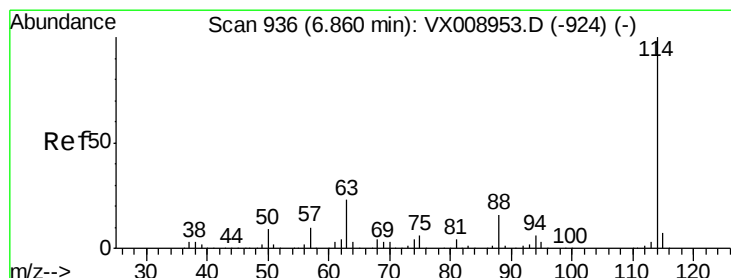
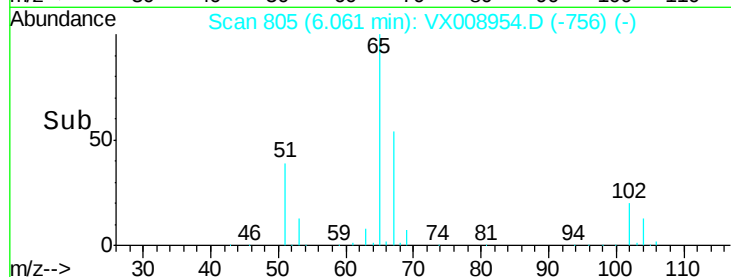
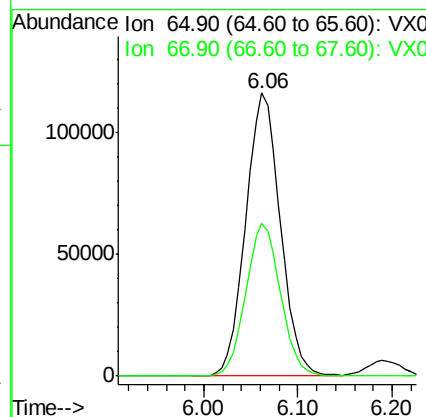
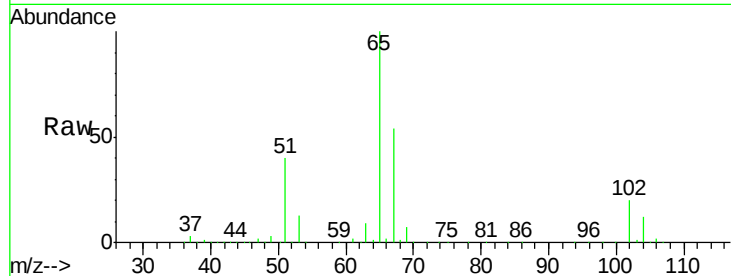
#33
 1,2-Dichloroethane-d4
 Concen: 91.309 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	299483		
67	54.0	0.0	108.6	

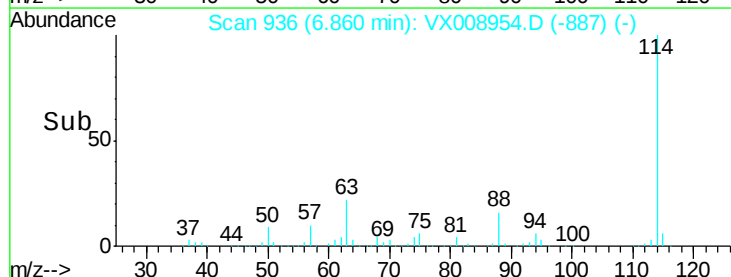
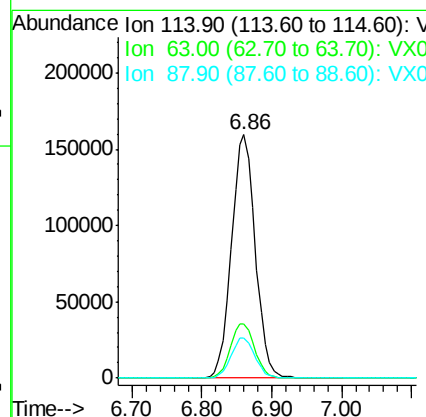
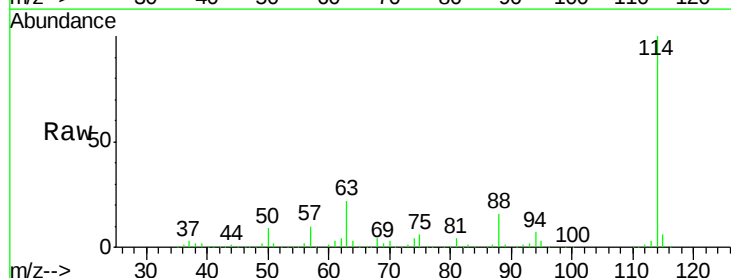
Manual Integrations
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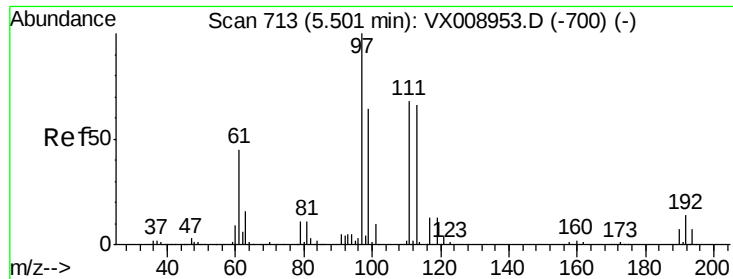
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	376640		
63	22.4	0.0	46.0	
88	16.3	0.0	32.6	





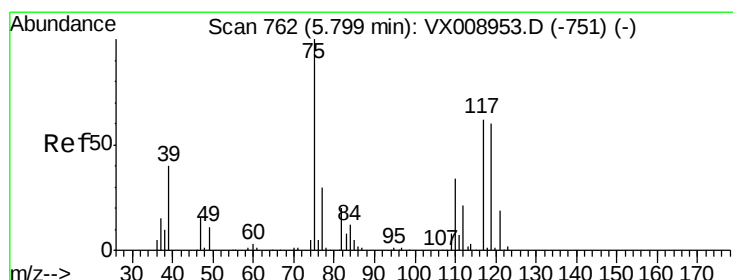
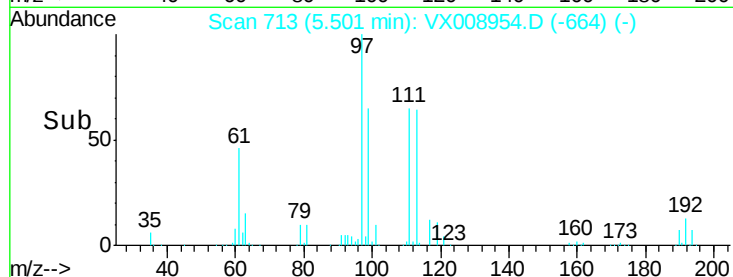
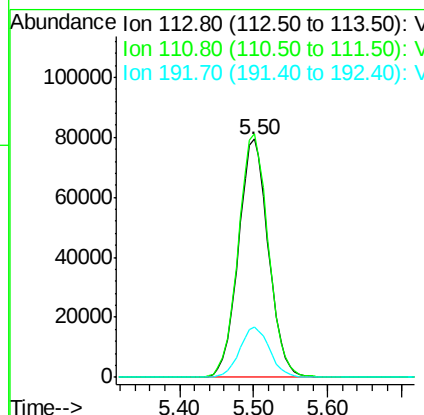
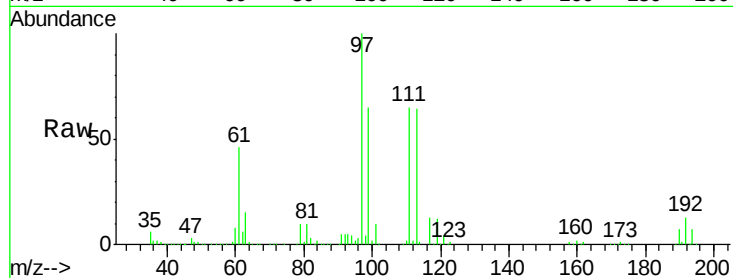
#35
 Dibromofluoromethane
 Concen: 93.911 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	224634		
111	102.8	82.9	124.3	
192	21.2	17.4	26.0	

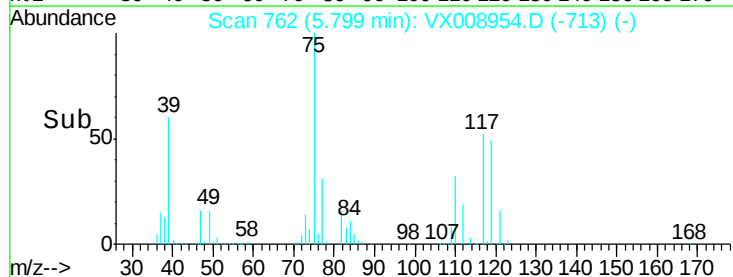
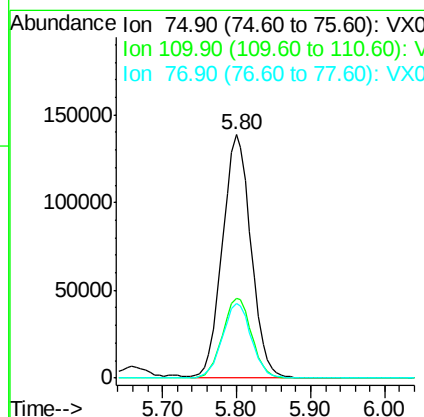
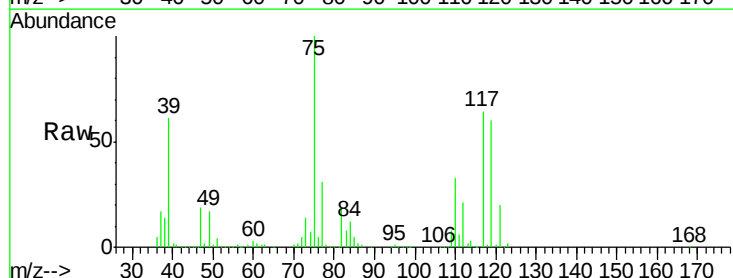
Manual Integrations
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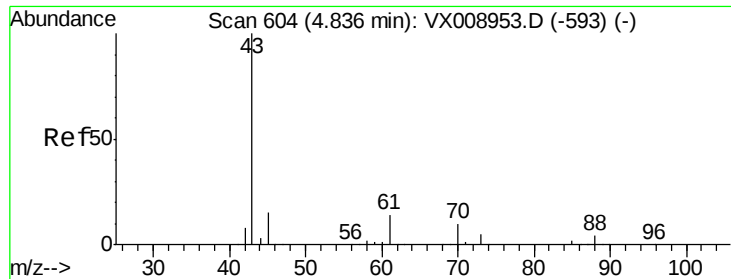
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 91.359 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	370005		
110	33.6	16.9	50.7	
77	31.2	25.0	37.4	





#37

Ethyl Acetate

Concen: 92.528 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

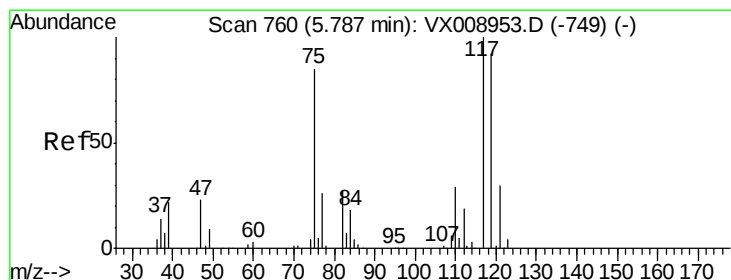
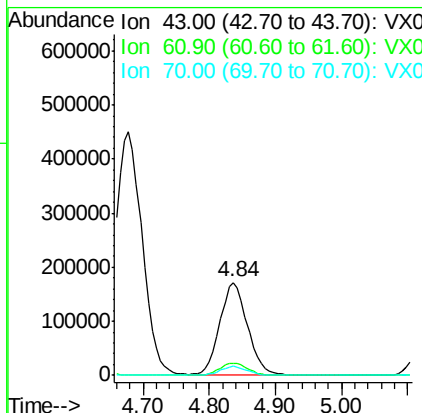
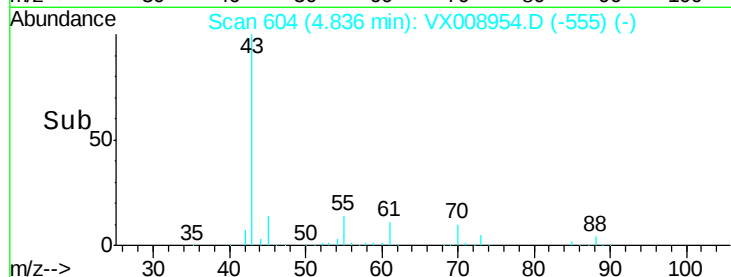
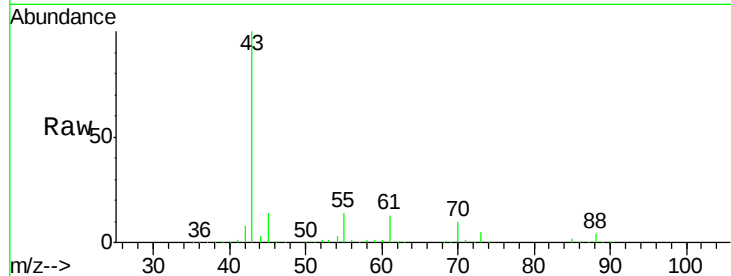
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	498228
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.6	15.8
70	9.6	7.7	11.5

Manual Integrations
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MMDadoda
4/16/2019 10:53:02 AM



#38

Carbon Tetrachloride

Concen: 99.229 ug/l

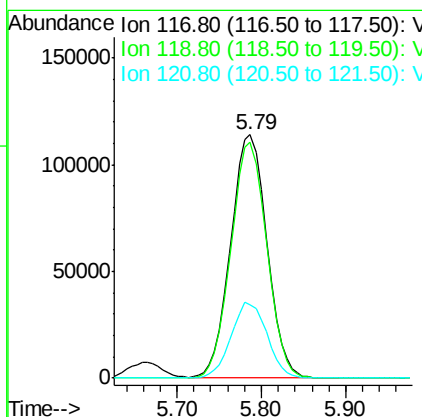
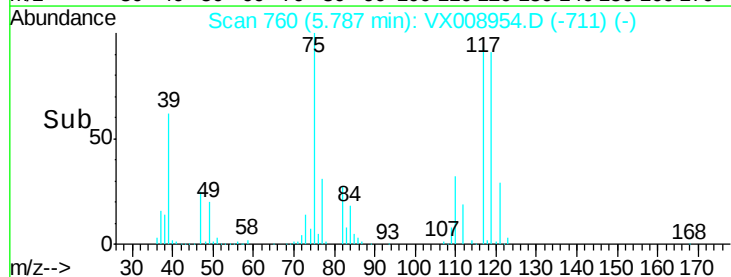
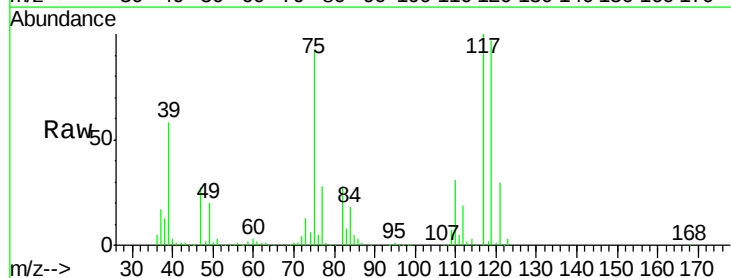
RT: 5.79 min Scan# 760

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Tgt Ion:	117	Resp:	333298
Ion	Ratio	Lower	Upper
117	100		
119	97.1	73.8	110.8
121	30.3	23.6	35.4





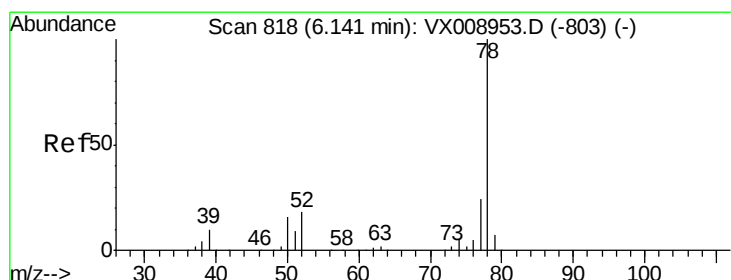
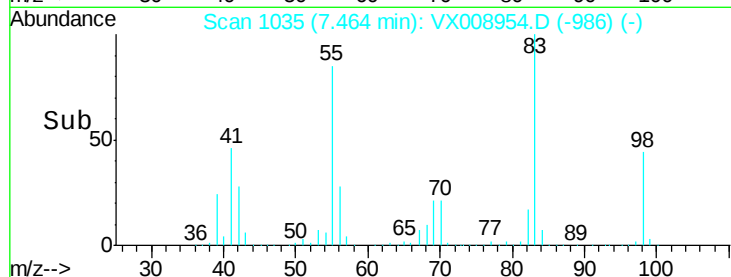
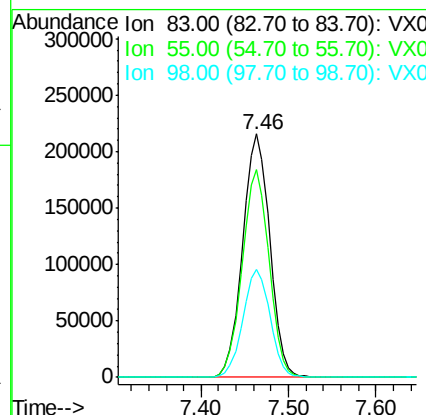
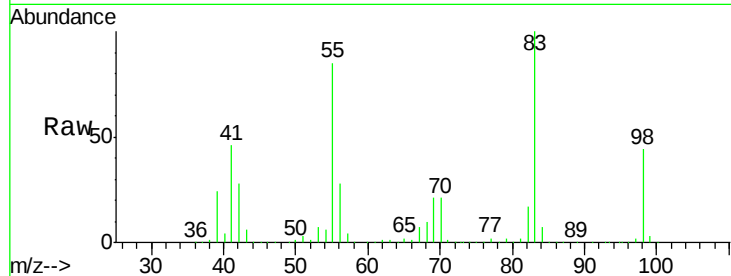
#39
Methylvlcyclohexane
Concen: 92.918 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	67.1	100.7
98	44.2	35.1	52.7

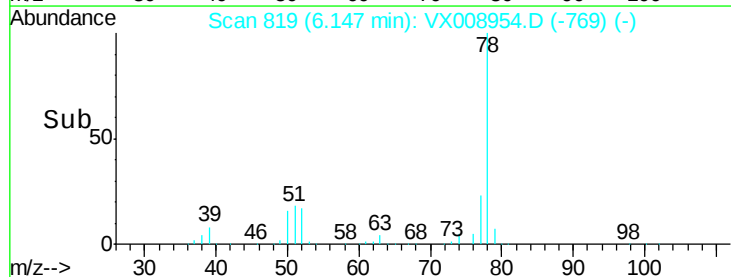
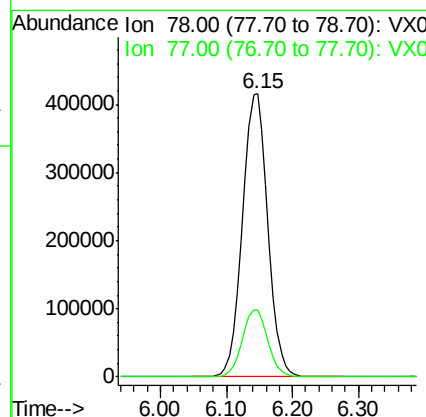
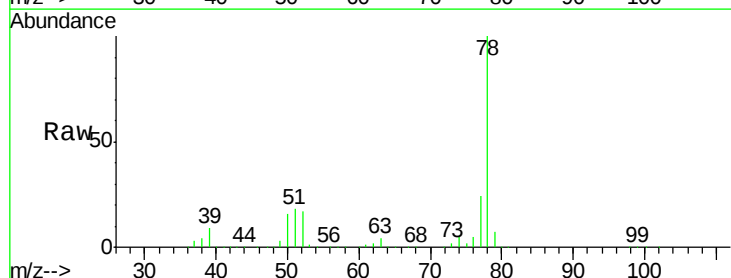
Manual Integrations
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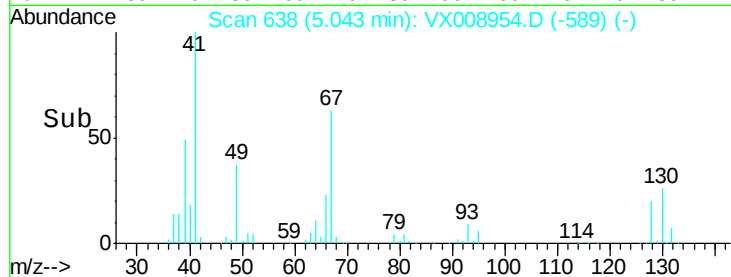
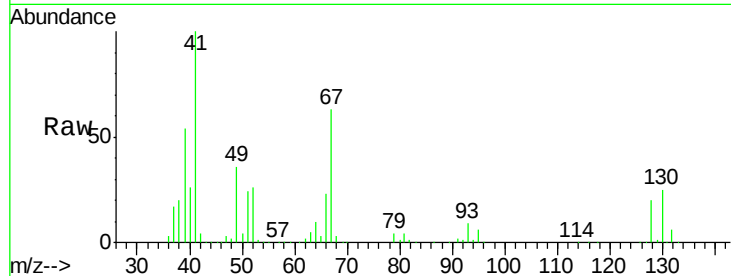
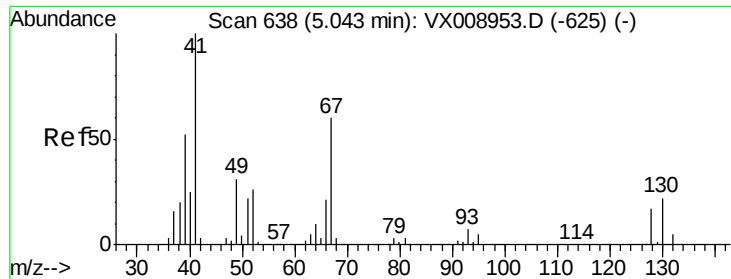
MMDadoda
4/16/2019 10:53:02 AM



#40
Benzene
Concen: 91.509 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





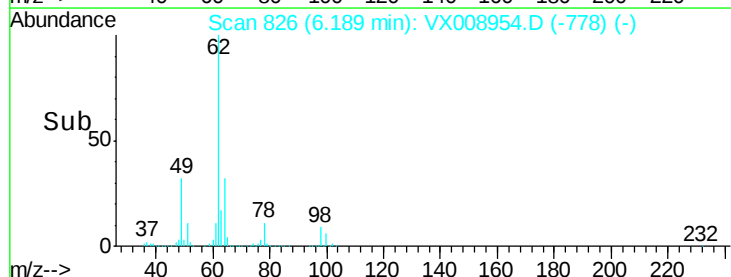
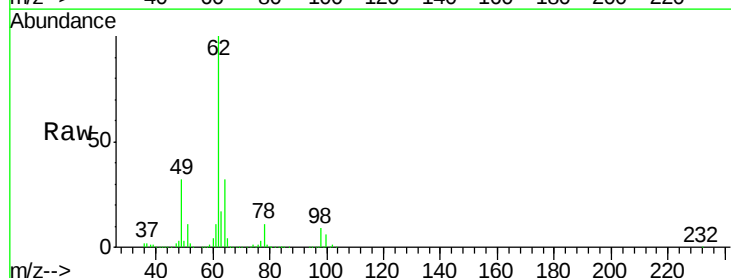
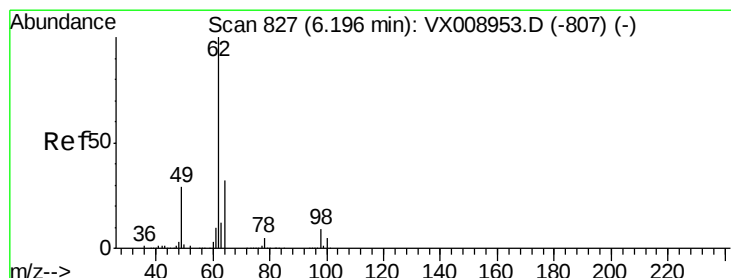
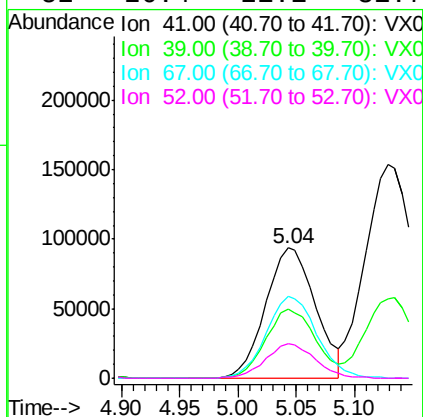
#41
Methacrylonitrile
Concen: 89.559 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	41.8	62.6	
67	63.5	50.2	75.4	
52	26.4	21.1	31.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

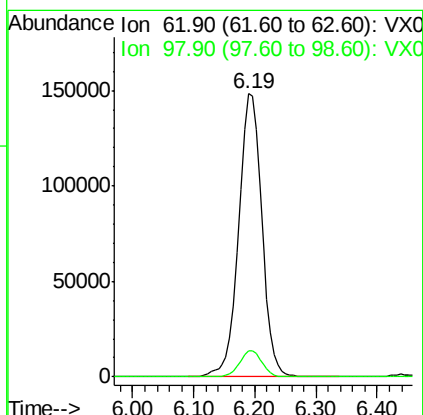
Manual Integrations
APPROVED

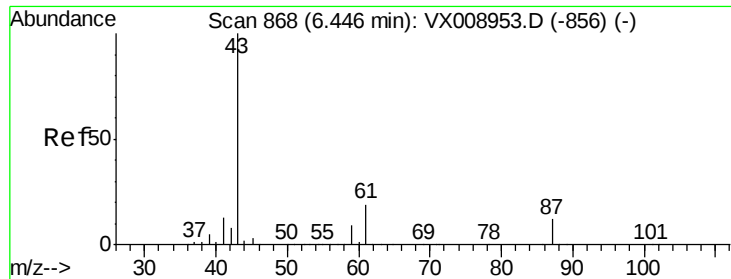
MMDadoda
4/16/2019 10:53:02 AM



#42
1,2-Dichloroethane
Concen: 89.865 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.4	





#43

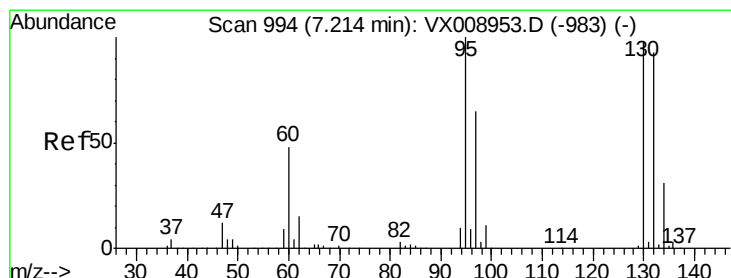
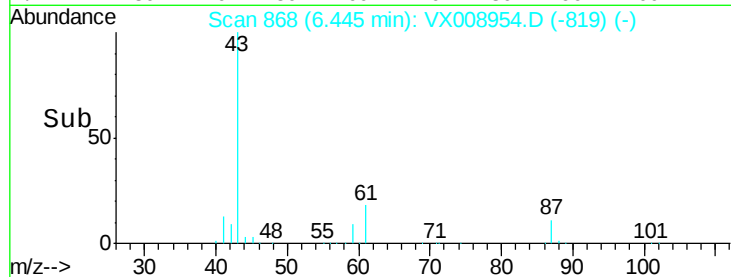
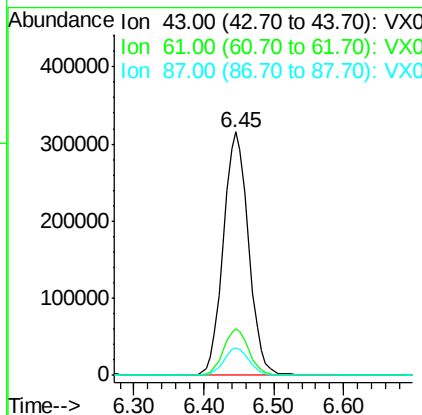
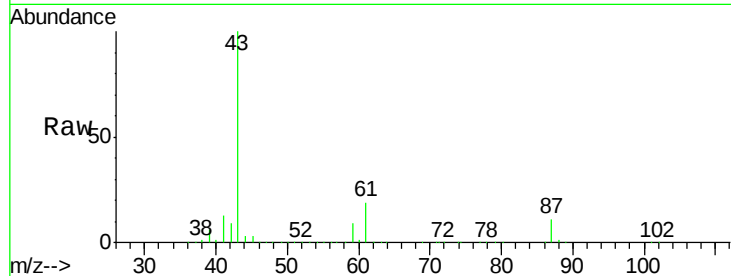
Isopropyl Acetate
 Concen: 93.278 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
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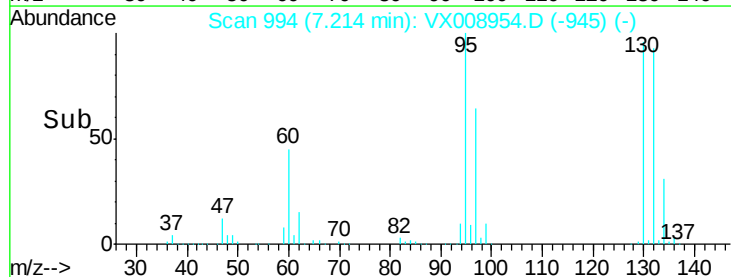
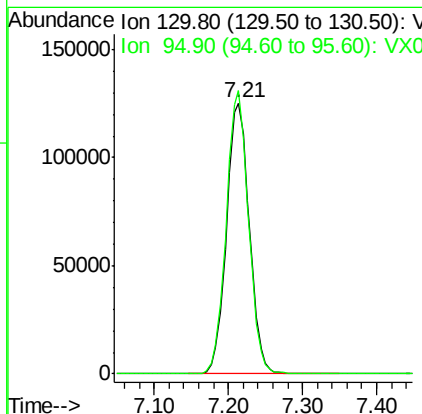
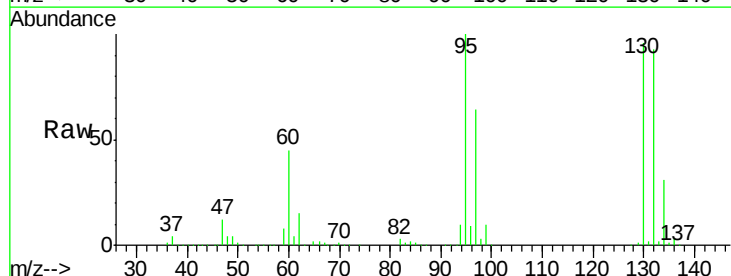
MMDadoda
 4/16/2019 10:53:02 AM

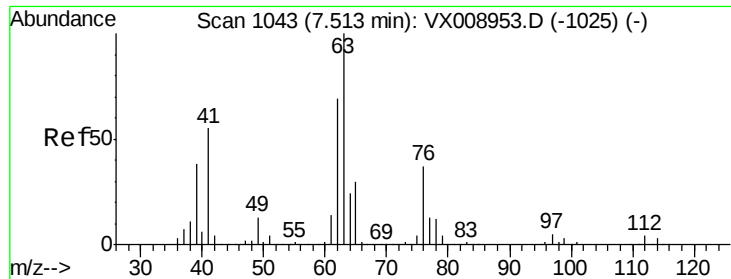


#44

Trichloroethene
 Concen: 95.082 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	203.2





#45

1,2-Dichloropropane

Concen: 90.251 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 309662

Ion Ratio Lower Upper

63 100

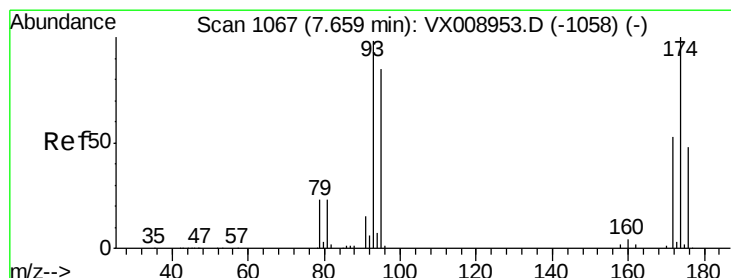
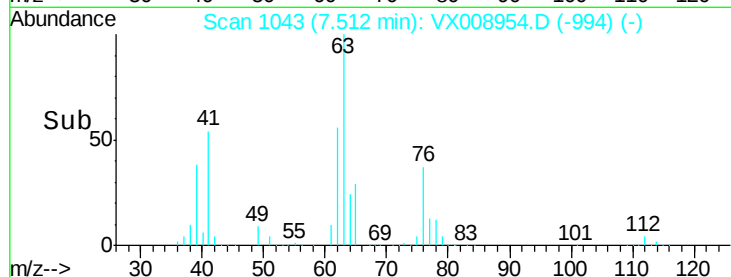
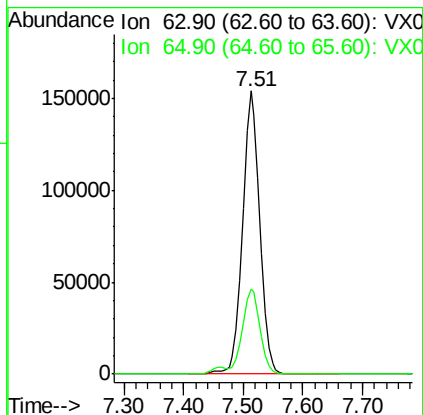
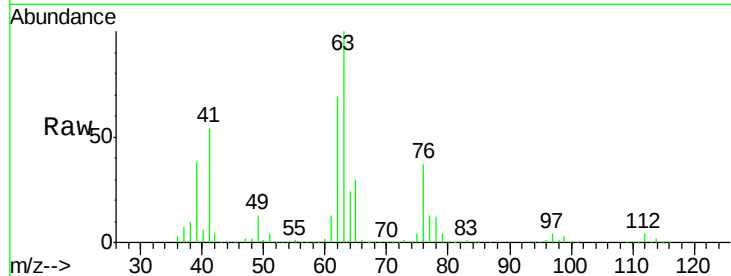
65 30.1 24.1 36.1

Manual Integrations

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MMDadoda

4/16/2019 10:53:02 AM



#46

Dibromomethane

Concen: 89.971 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

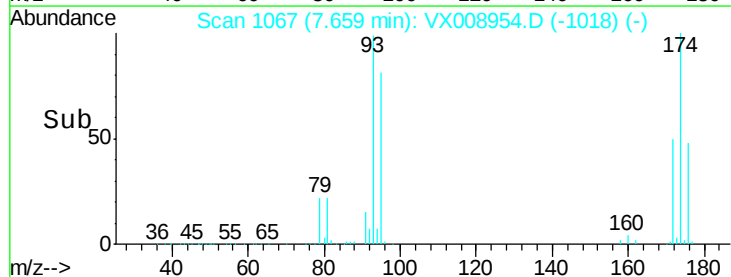
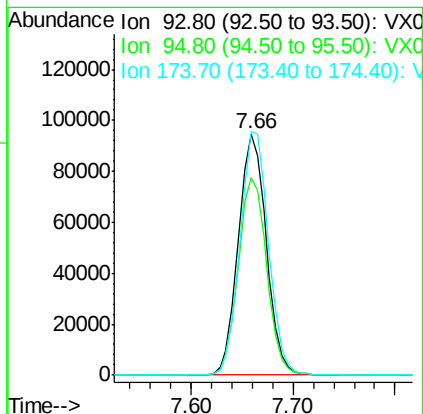
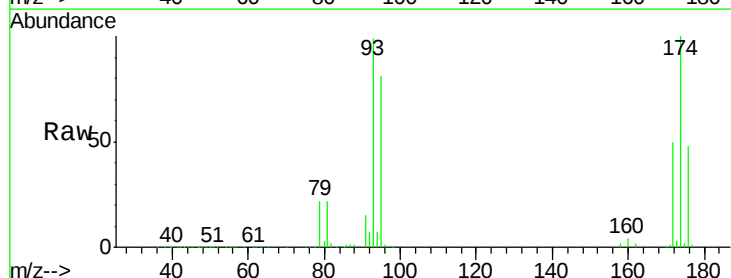
Tgt Ion: 93 Resp: 179668

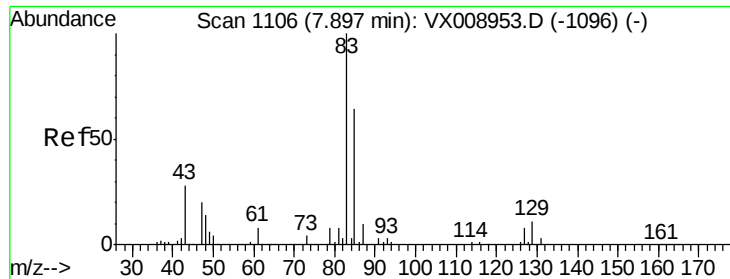
Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.4

174 103.2 81.6 122.4





#47

Bromodichloromethane

Concen: 96.171 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

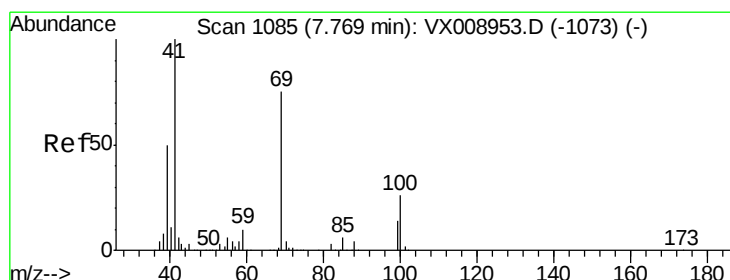
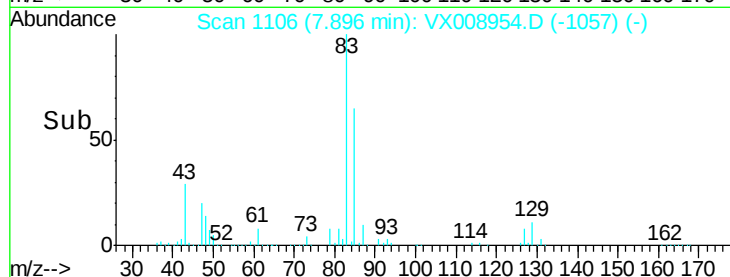
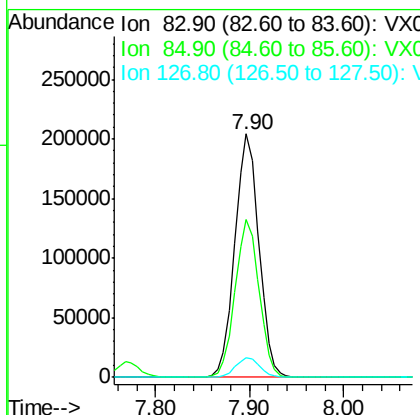
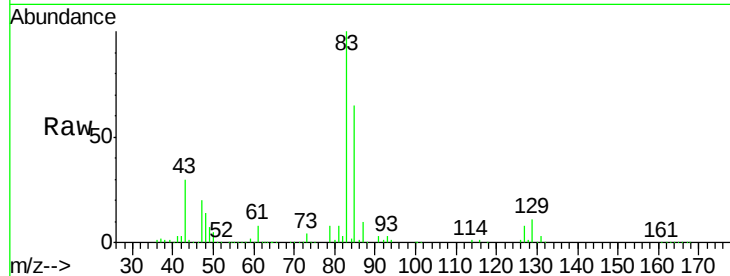
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	362102
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.8	76.2
127	8.0	6.4	9.6

Manual Integrations
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MMDadoda
4/16/2019 10:53:02 AM



#48

Methyl methacrylate

Concen: 91.203 ug/l

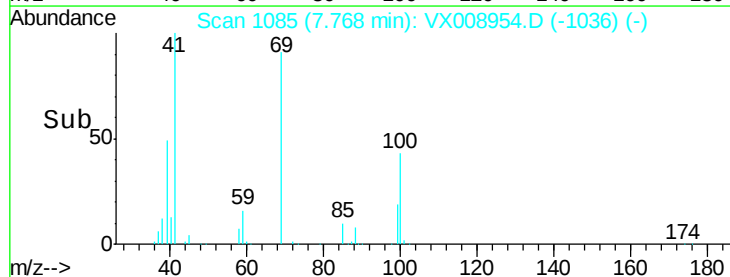
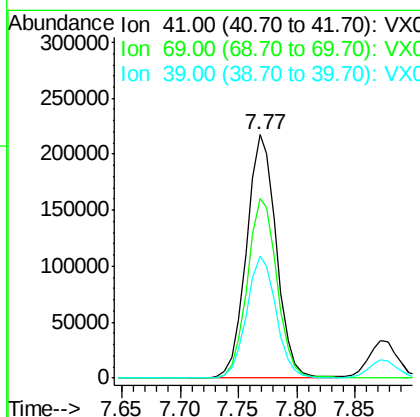
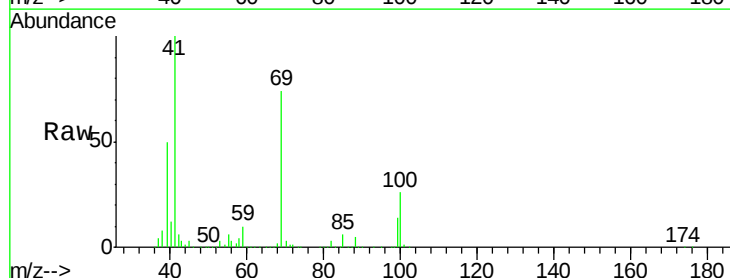
RT: 7.77 min Scan# 1085

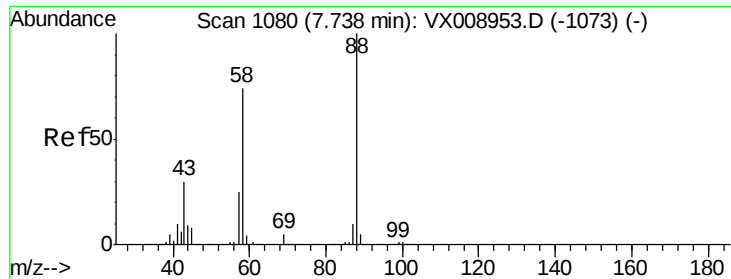
Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Tgt Ion:	41	Resp:	389005
Ion Ratio	Lower	Upper	
41	100		
69	73.9	59.4	89.2
39	50.0	39.8	59.6





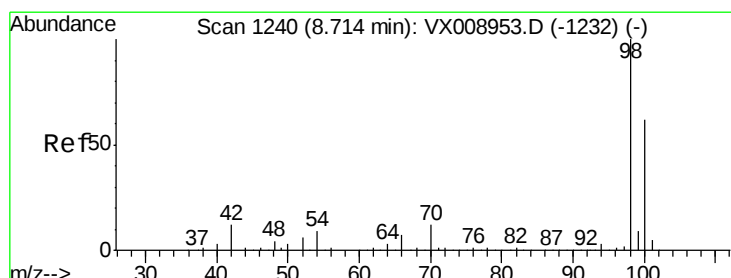
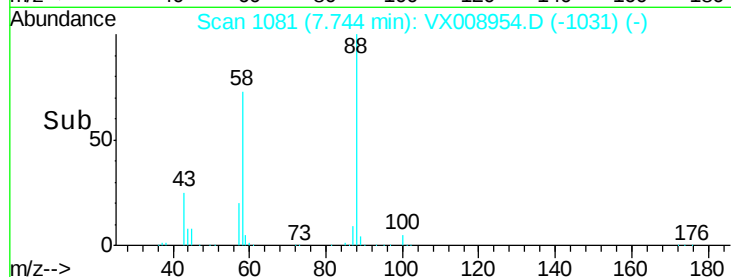
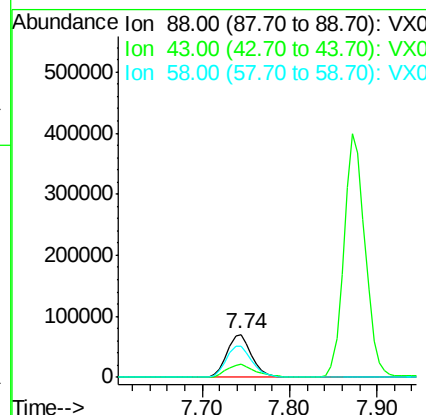
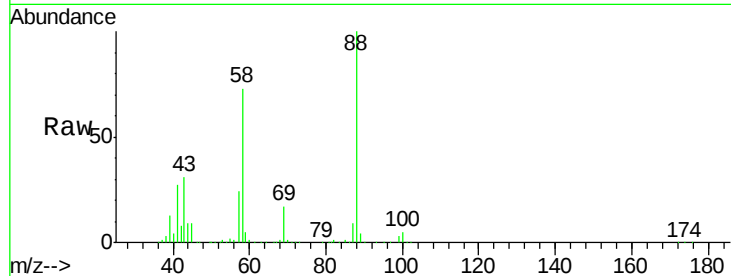
#49
1,4-Dioxane
Concen: 1726.978 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	88	Resp	137027
Ion Ratio	Lower	Upper	
88	100		
43	35.7	29.3	43.9
58	77.2	62.6	93.8

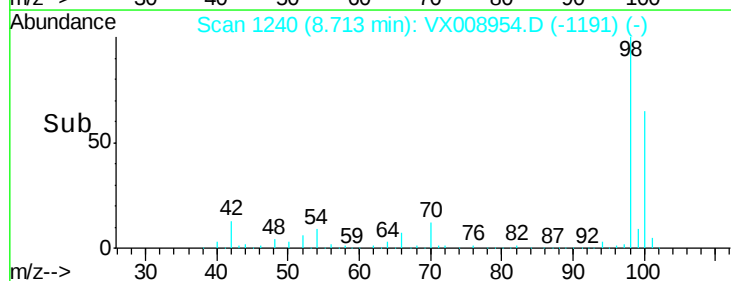
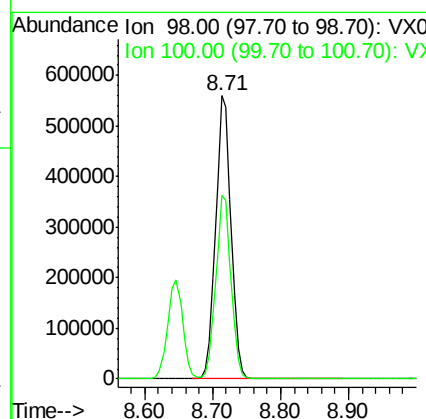
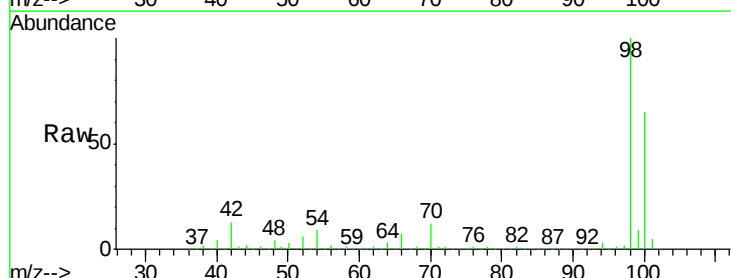
Manual Integrations
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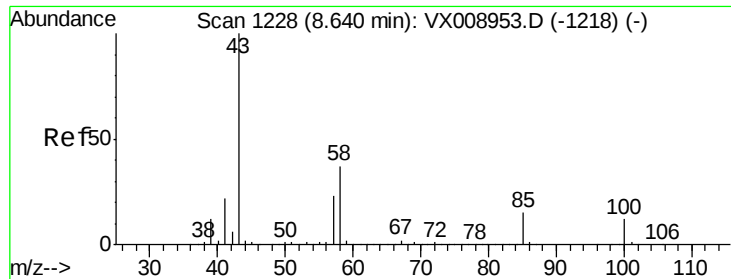
MMDadoda
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#50
Toluene-d8
Concen: 92.017 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	98	Resp	876605
Ion Ratio	Lower	Upper	
98	100		
100	64.7	51.4	77.2





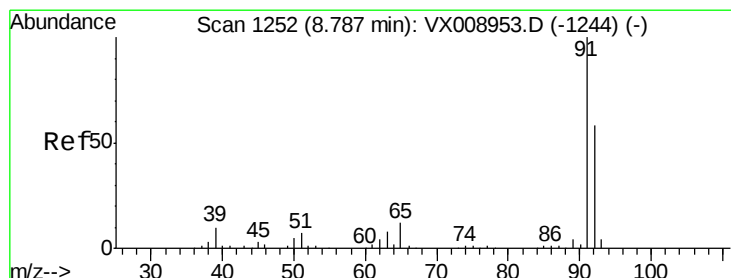
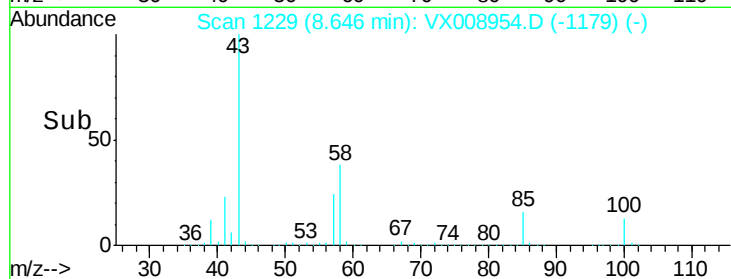
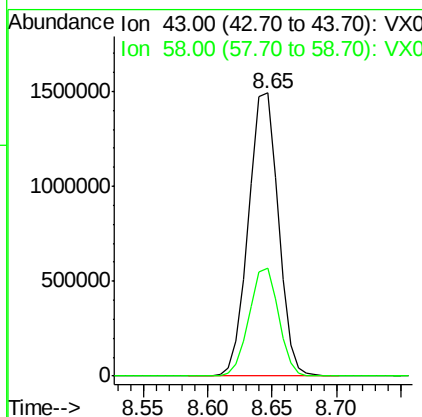
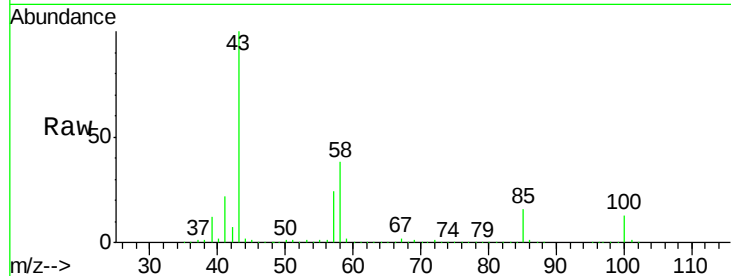
#51
4-Methyl-2-Pentanone
Concen: 439.063 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2384516
Ion Ratio Lower Upper
43 100
58 37.6 29.8 44.6

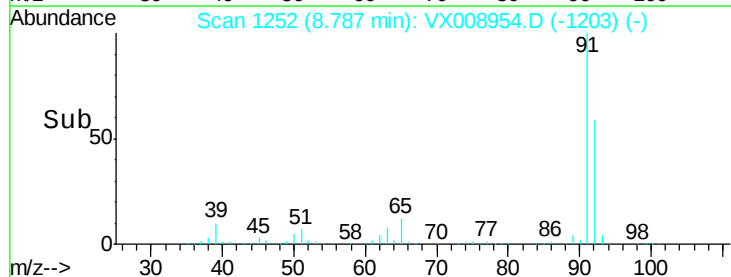
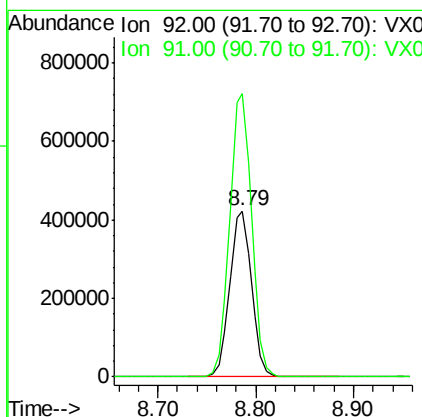
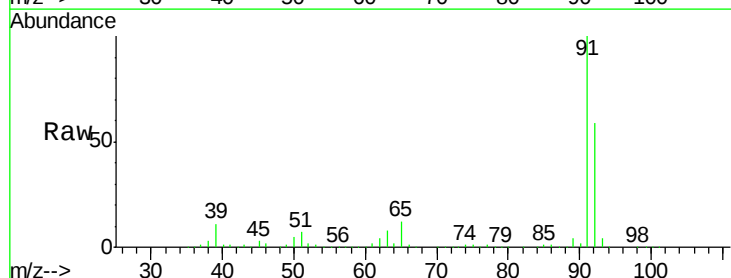
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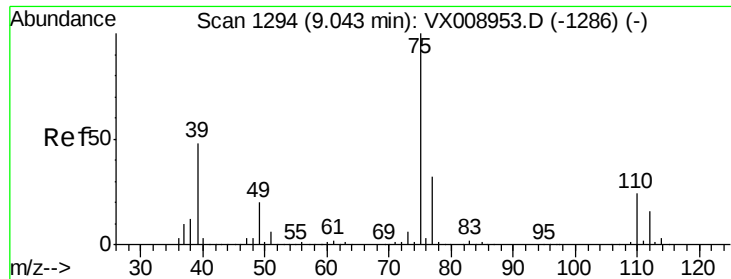
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#52
Toluene
Concen: 91.639 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion: 92 Resp: 651570
Ion Ratio Lower Upper
92 100
91 172.5 138.5 207.7





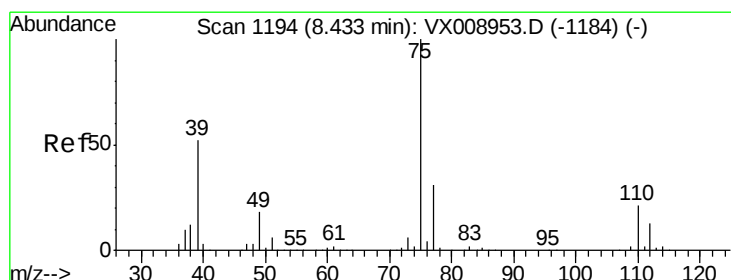
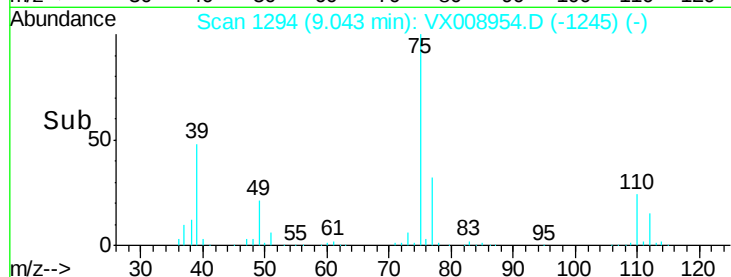
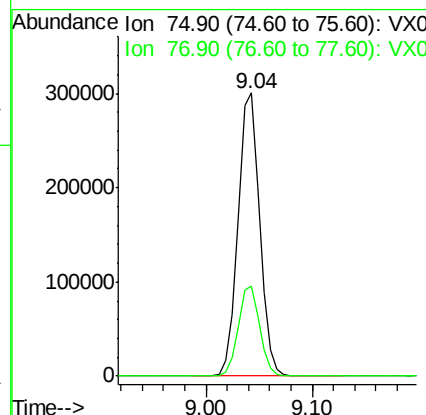
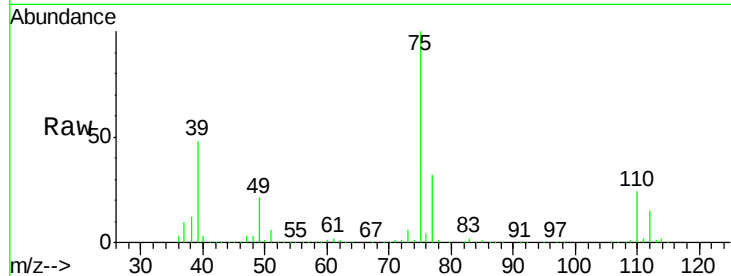
#53
t-1,3-Dichloropropene
Concen: 101.652 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 430615
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

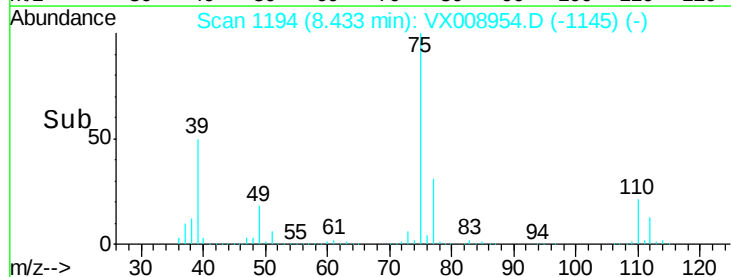
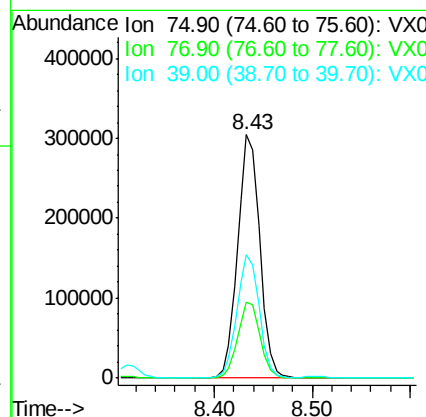
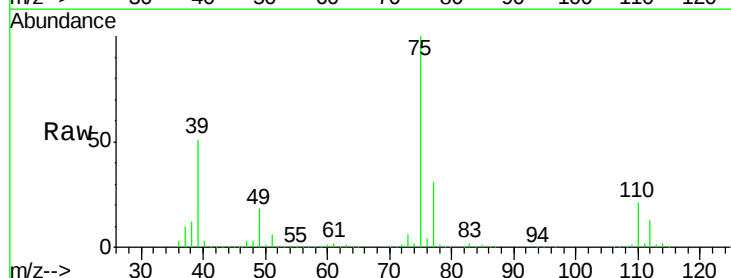
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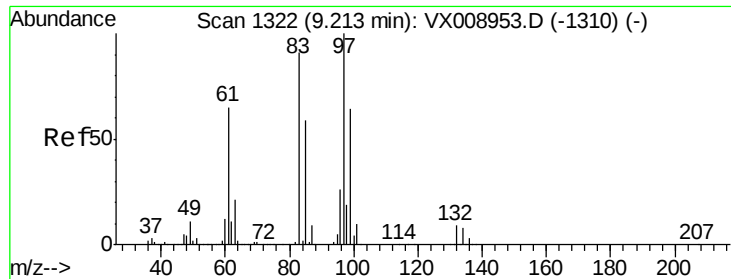
MMDadoda
4/16/2019 10:53:02 AM



#54
cis-1,3-Dichloropropene
Concen: 98.991 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion: 75 Resp: 477727
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 50.5 41.8 62.6





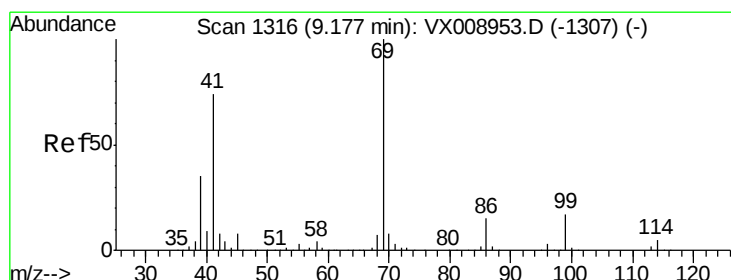
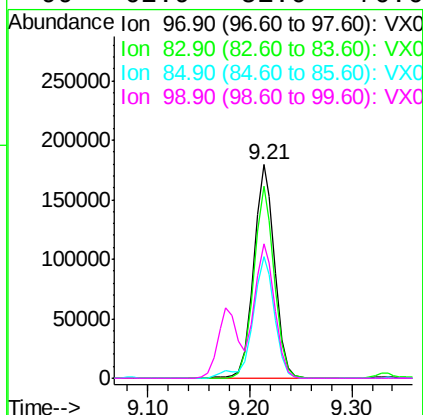
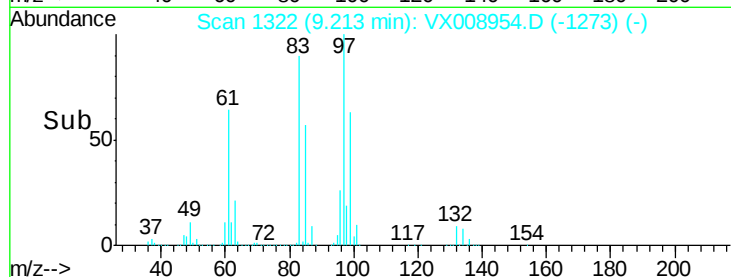
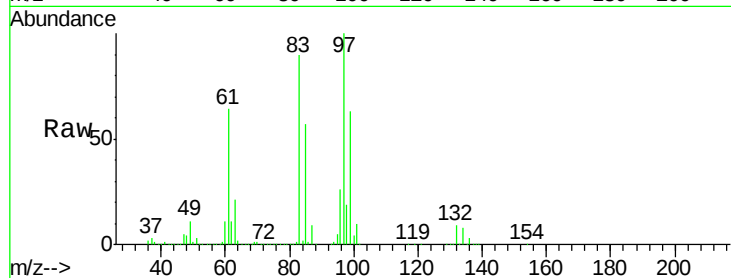
#55
1,1,2-Trichloroethane
Concen: 90.450 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	97	Resp:	258331
Ion Ratio	Lower	Upper	
97	100		
83	89.6	72.6	108.8
85	57.1	46.9	70.3
99	62.9	51.0	76.6

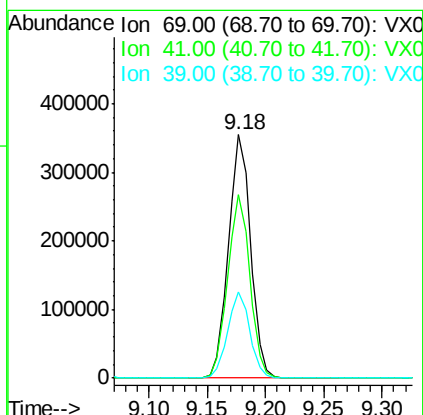
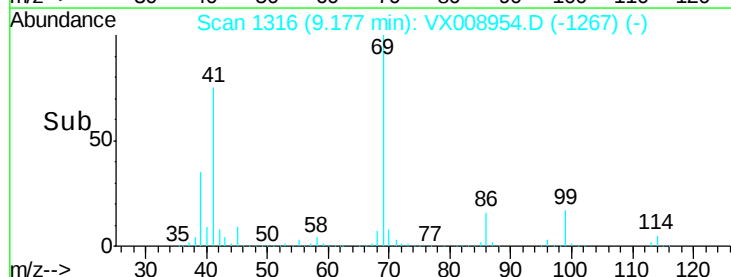
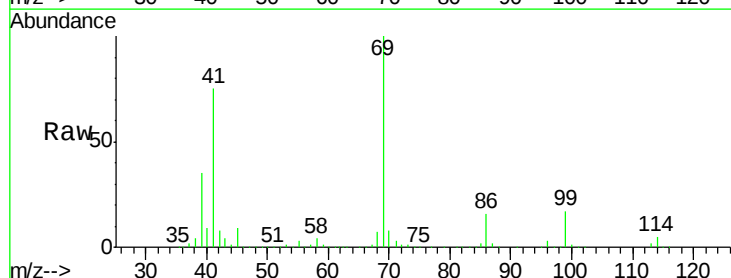
Manual Integrations
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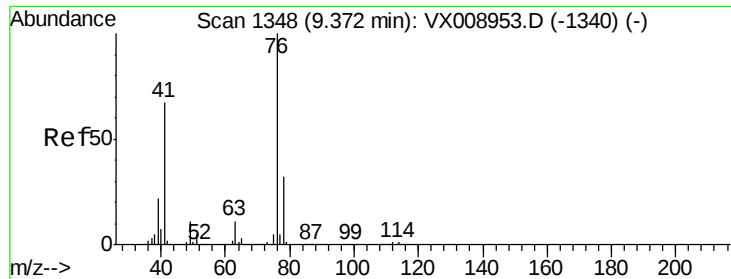
MMDadoda
4/16/2019 10:53:02 AM



#56
Ethyl methacrylate
Concen: 91.489 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion:	69	Resp:	471195
Ion Ratio	Lower	Upper	
69	100		
41	75.3	60.2	90.2
39	35.2	27.9	41.9





#57

1,3-Dichloropropane

Concen: 90.170 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 461411

Ion Ratio Lower Upper

76 100

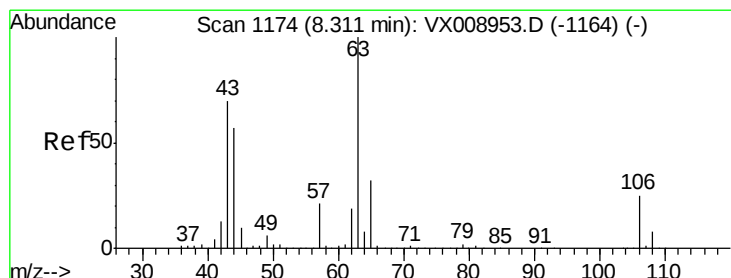
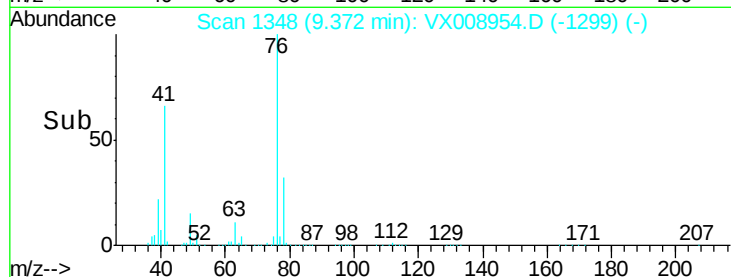
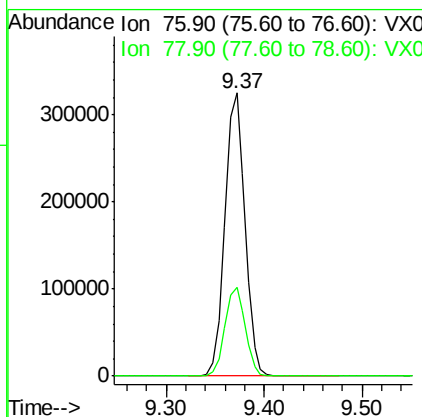
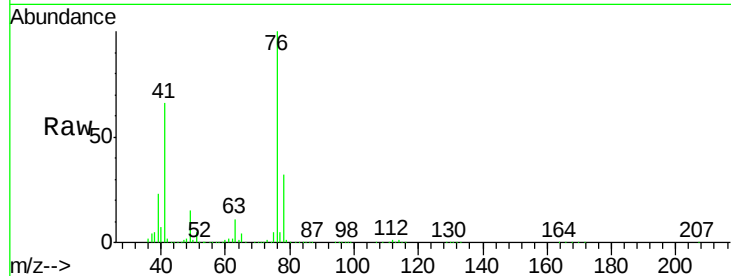
78 32.0 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

4/16/2019 10:53:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 482.489 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008954.D

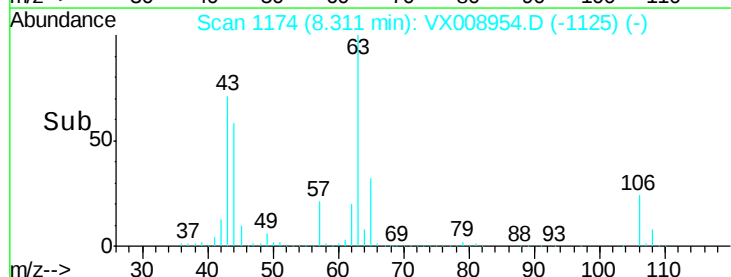
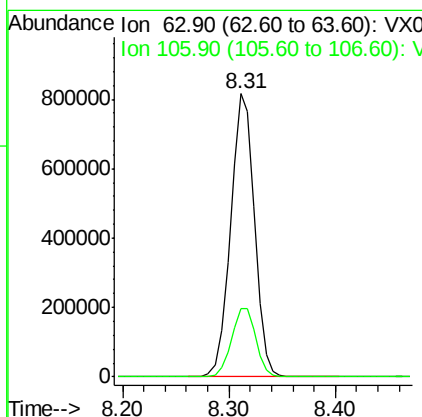
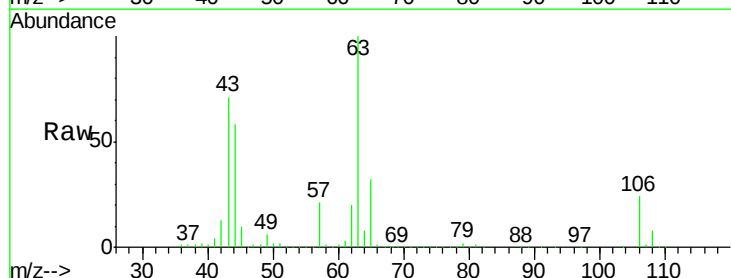
Acq: 15 Apr 2019 11:32

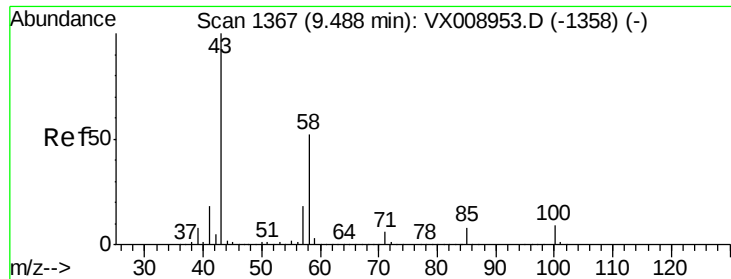
Tgt Ion: 63 Resp: 1281136

Ion Ratio Lower Upper

63 100

106 24.9 19.8 29.6





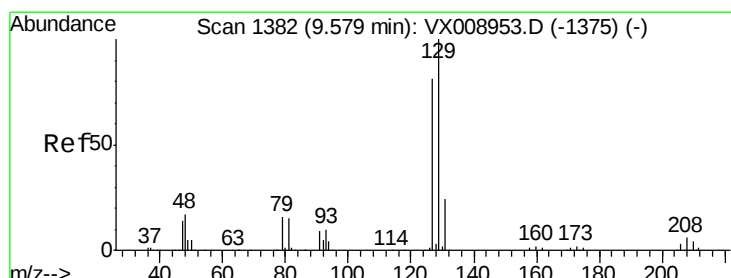
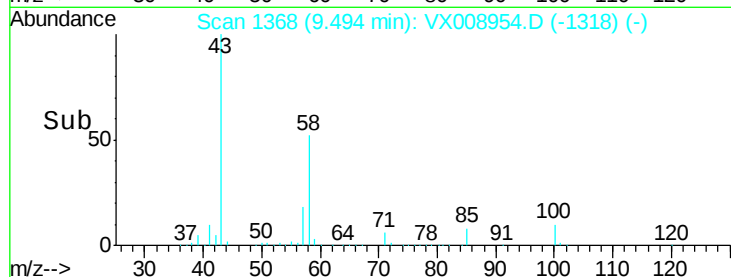
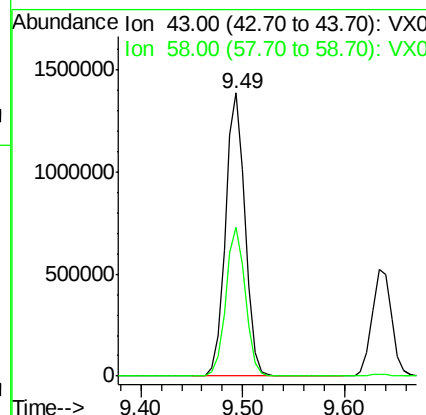
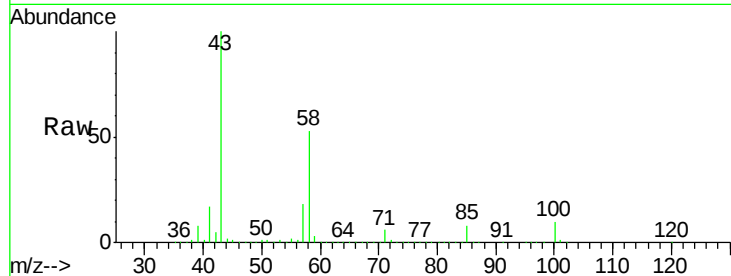
#59
2-Hexanone
Concen: 437.014 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1845427
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.8

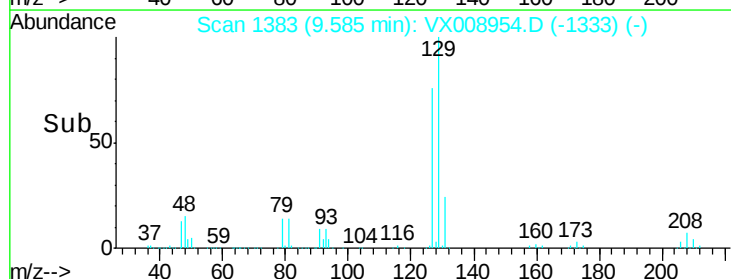
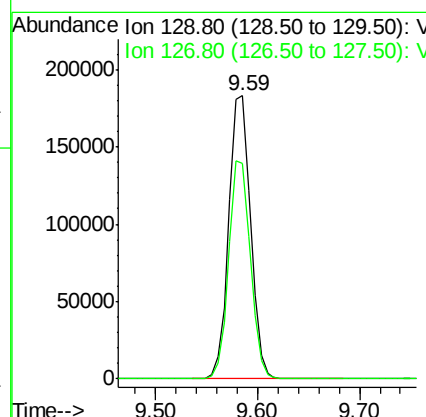
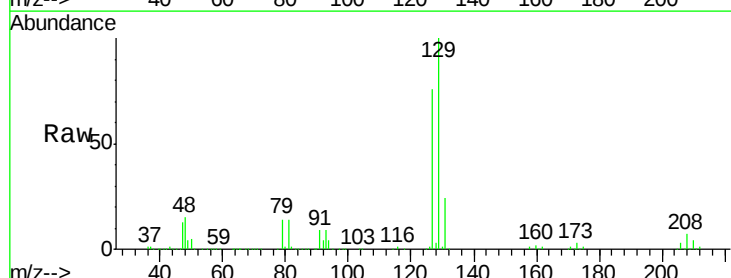
Manual Integrations
APPROVED

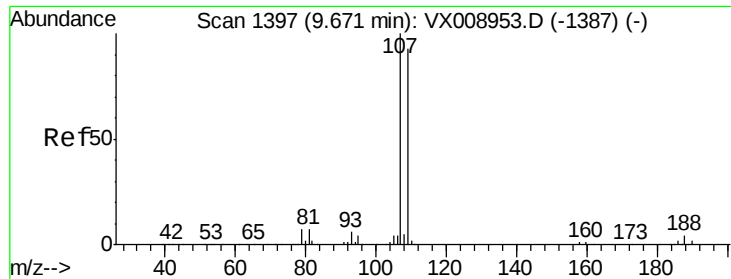
MMDadoda
4/16/2019 10:53:02 AM



#60
Dibromochloromethane
Concen: 100.426 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion:129 Resp: 270820
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 90.714 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:107 Resp: 269652

Ion Ratio Lower Upper

107 100

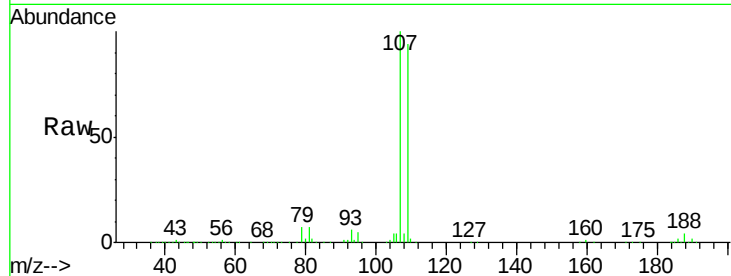
109 93.9 74.4 111.6

Manual Integrations

APPROVED

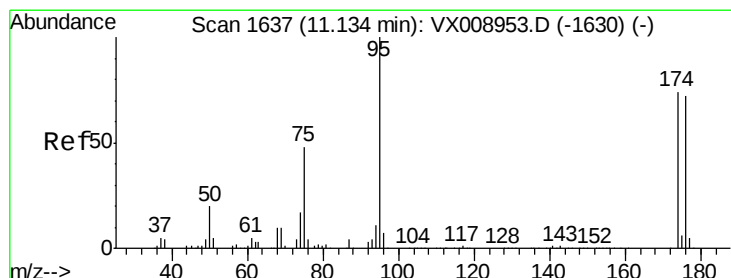
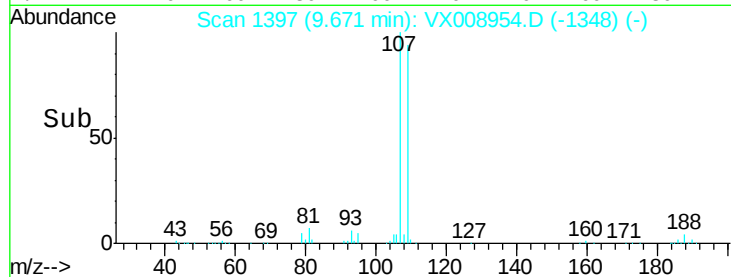
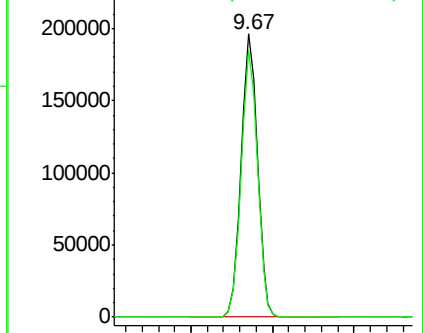
MMDadoda

4/16/2019 10:53:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 91.461 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

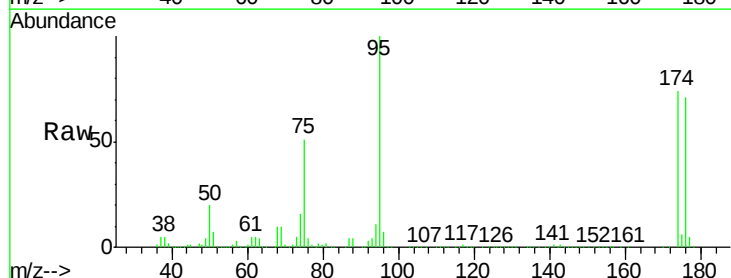
Tgt Ion: 95 Resp: 308743

Ion Ratio Lower Upper

95 100

174 80.1 0.0 159.6

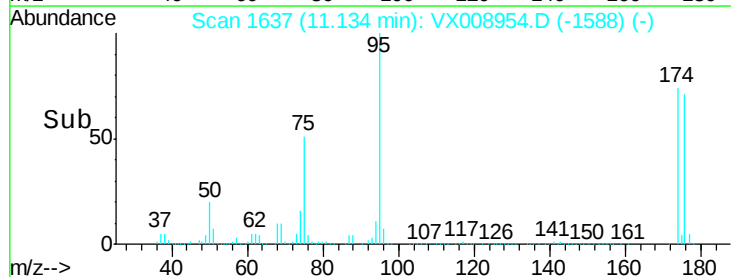
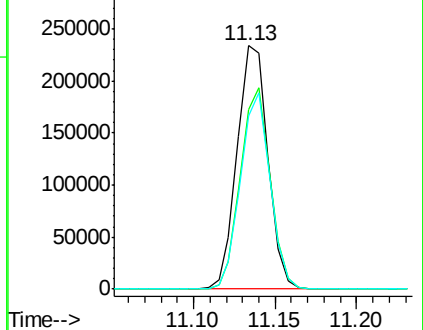
176 77.8 0.0 154.8

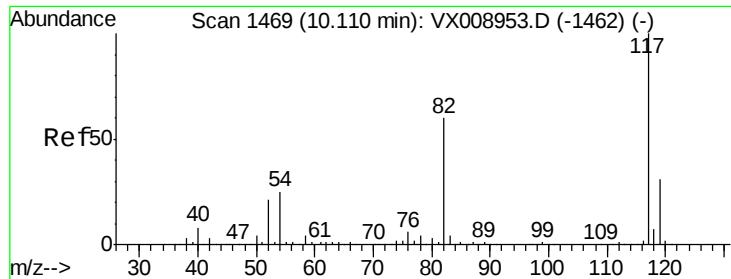


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





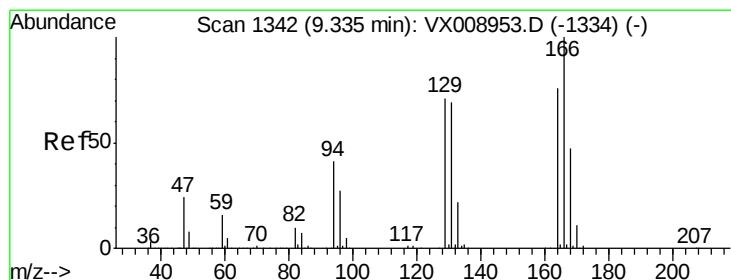
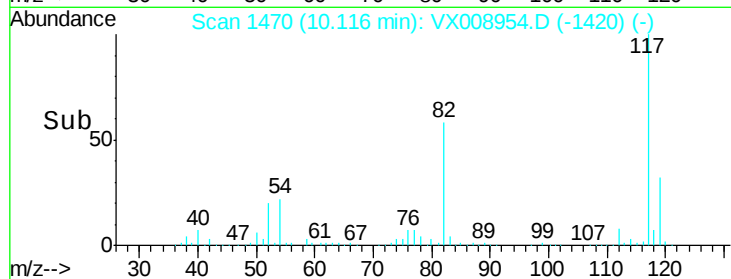
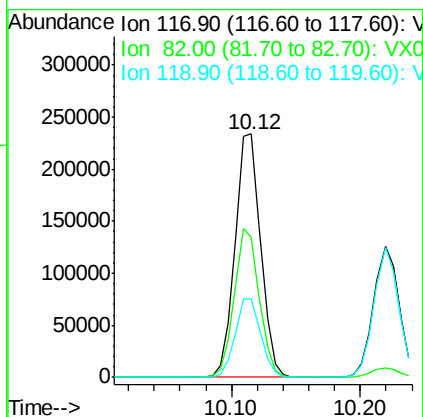
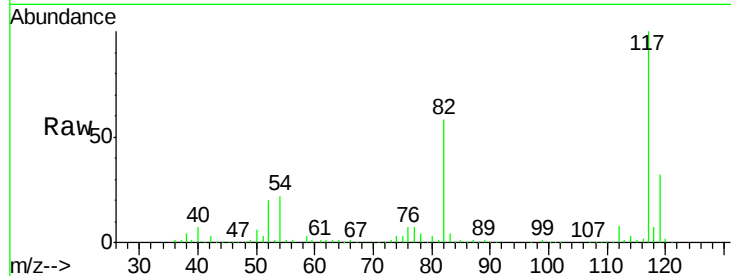
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	48.2	72.4
119	32.4	25.0	37.6

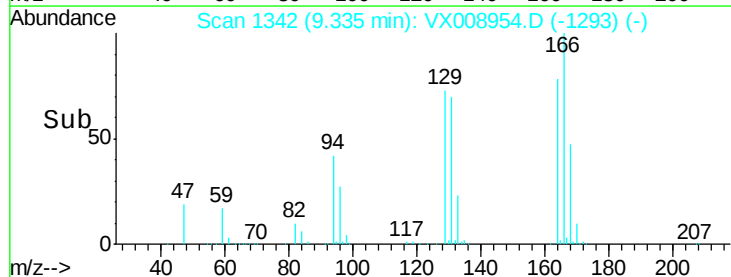
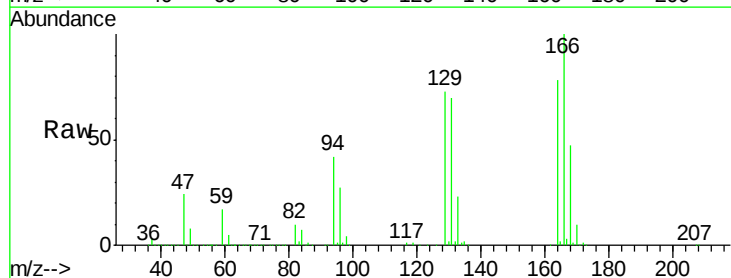
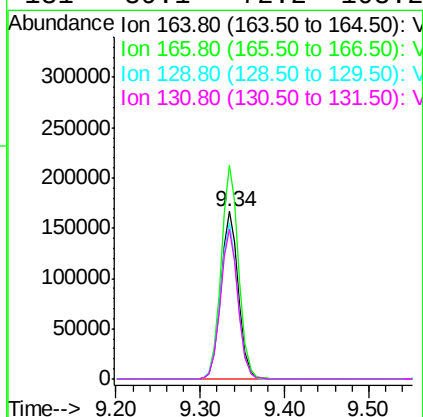
Manual Integrations
APPROVED

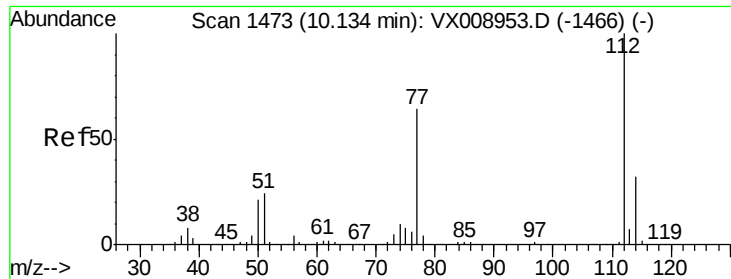
MMDadoda
4/16/2019 10:53:02 AM



#64
Tetrachloroethene
Concen: 98.843 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	105.0	157.4
129	92.9	74.2	111.4
131	89.1	72.2	108.2





#65

Chlorobenzene

Concen: 92.668 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 656170

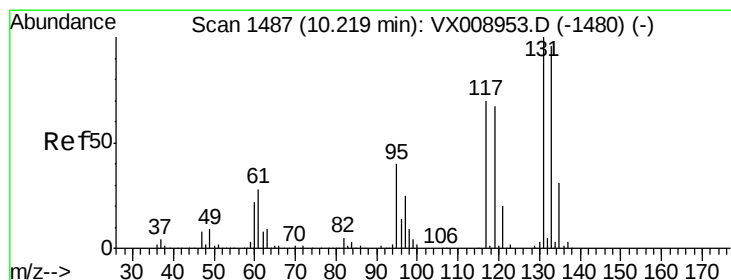
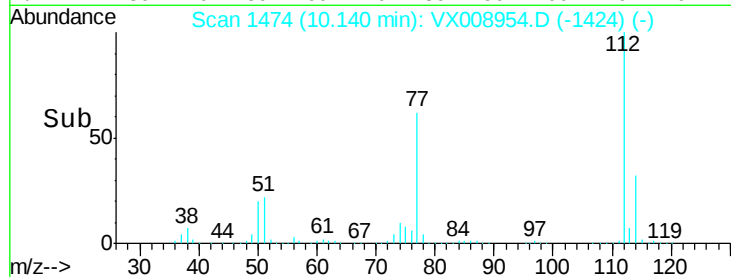
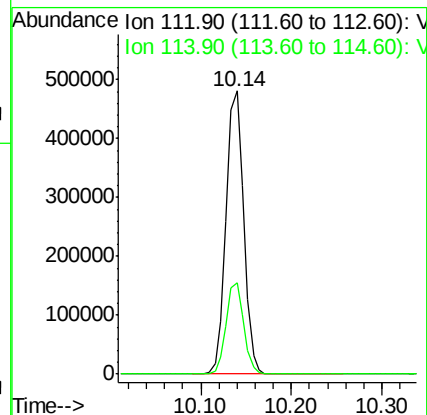
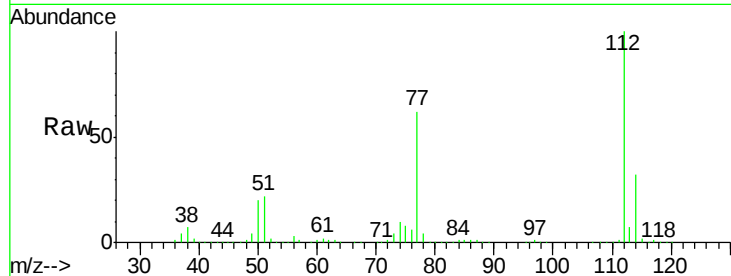
Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 98.116 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

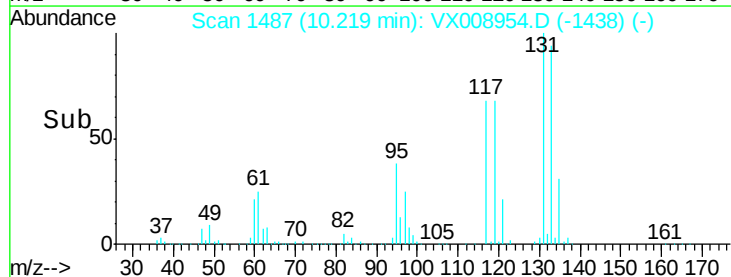
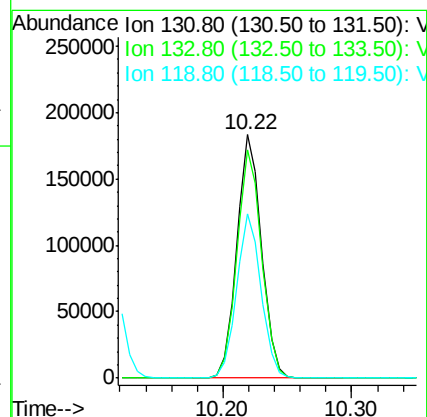
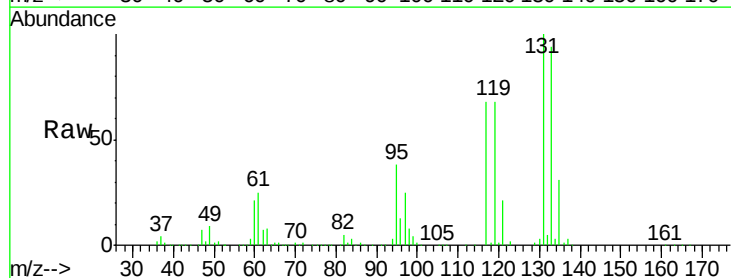
Tgt Ion:131 Resp: 243646

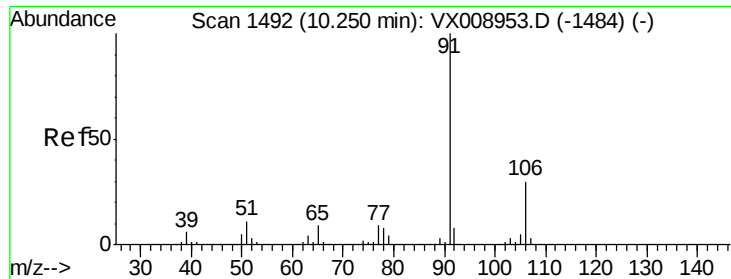
Ion Ratio Lower Upper

131 100

133 94.5 48.0 144.2

119 67.4 33.7 101.1





#67

Ethyl Benzene

Concen: 93.209 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1227288

Ion Ratio Lower Upper

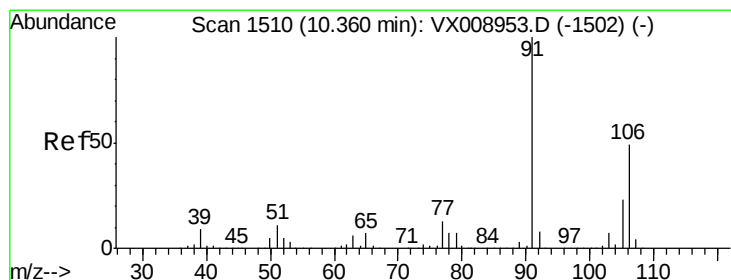
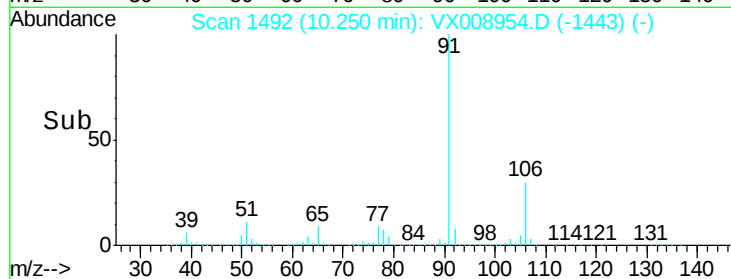
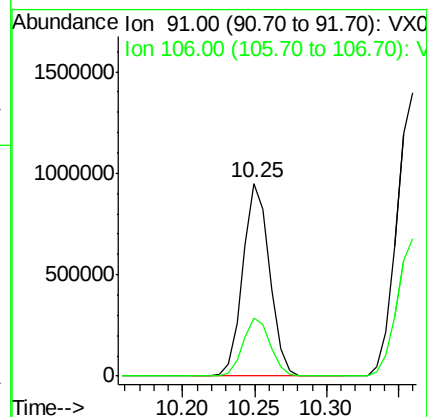
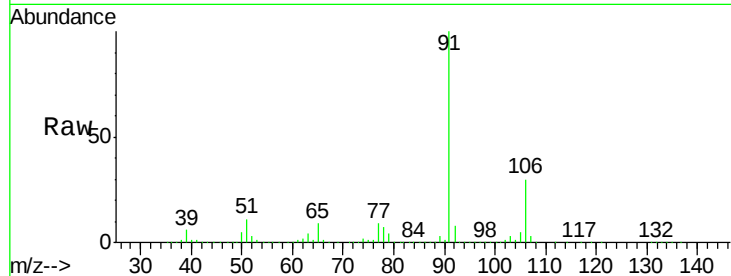
91 100

106 29.9 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 189.204 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008954.D

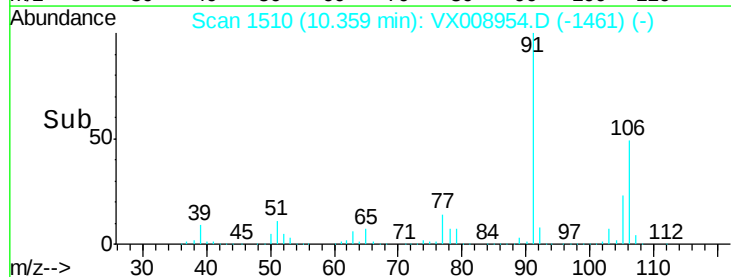
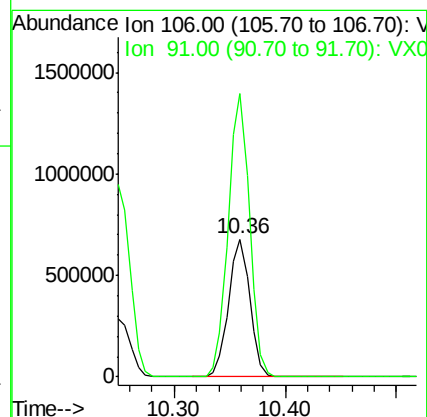
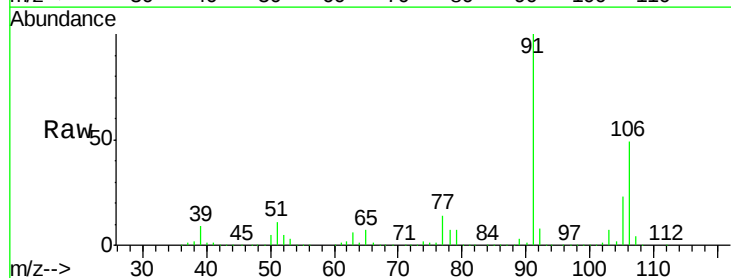
Acq: 15 Apr 2019 11:32

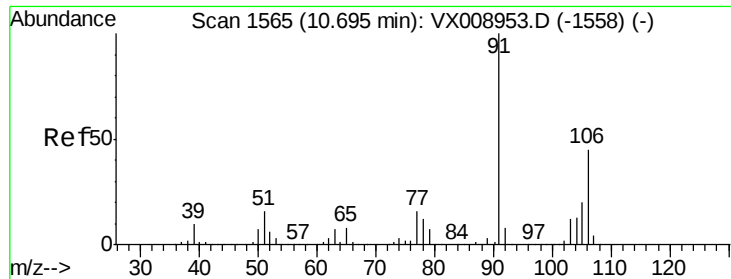
Tgt Ion: 106 Resp: 897025

Ion Ratio Lower Upper

106 100

91 206.4 165.4 248.2





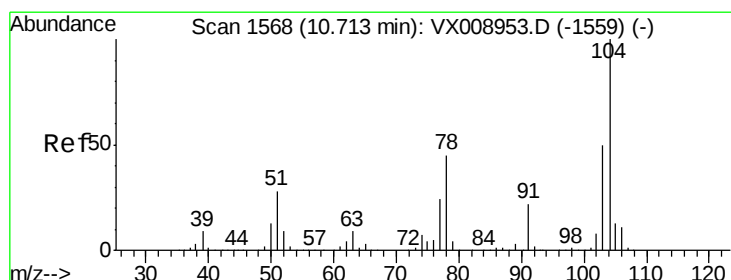
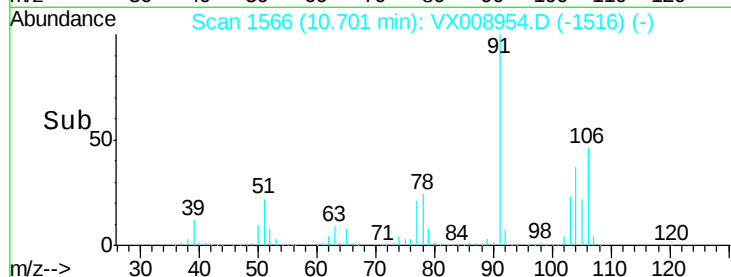
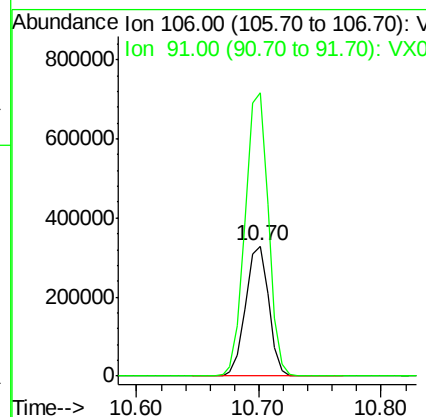
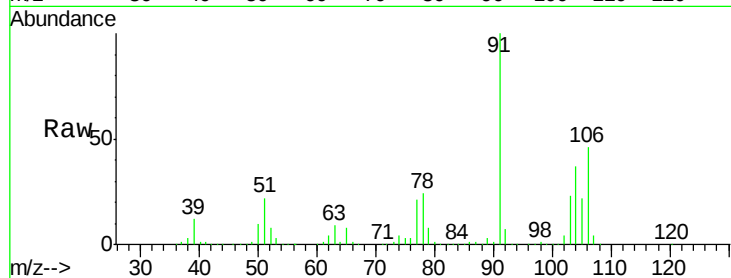
#69
o-Xylene
Concen: 93.630 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 430311
Ion Ratio Lower Upper
106 100
91 218.7 108.9 326.7

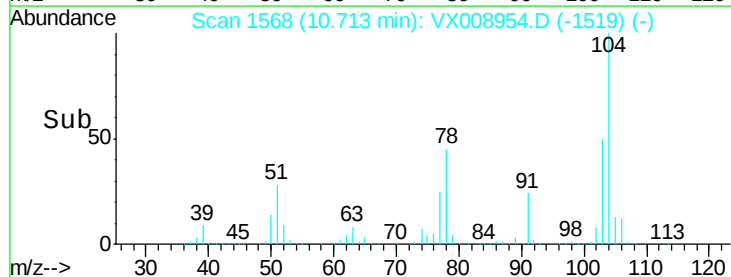
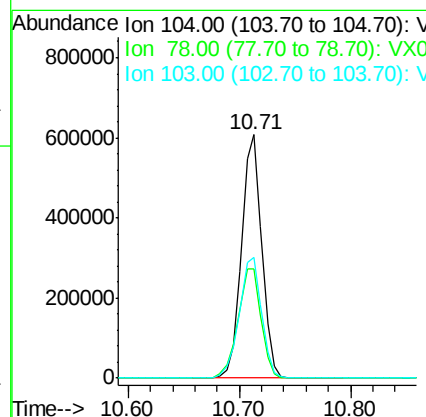
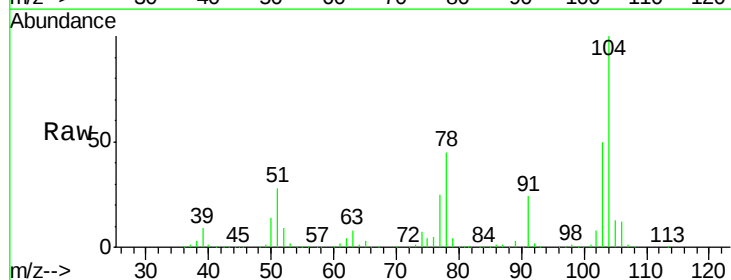
Manual Integrations
APPROVED

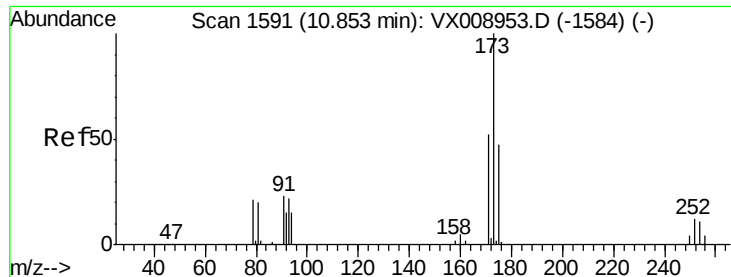
MMDadoda
4/16/2019 10:53:02 AM



#70
Styrene
Concen: 96.069 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion:104 Resp: 761148
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 55.0 43.9 65.9





#71

Bromoform

Concen: 105.224 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 200569

Ion Ratio Lower Upper

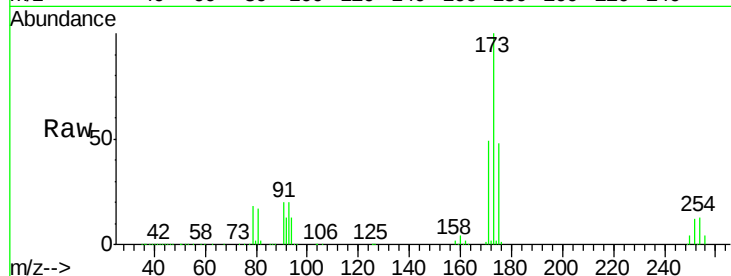
173 100

175 48.6 23.9 71.8

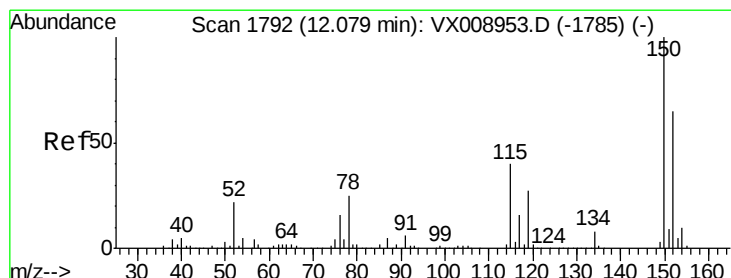
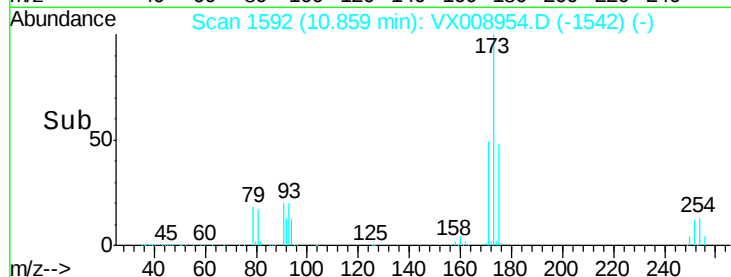
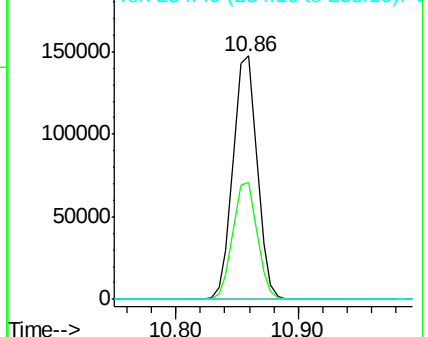
254 0.0 0.2 0.4#

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: VX008954.D

Acq: 15 Apr 2019 11:32

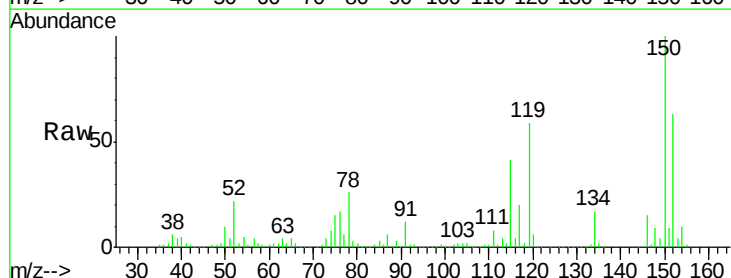
Tgt Ion:152 Resp: 157778

Ion Ratio Lower Upper

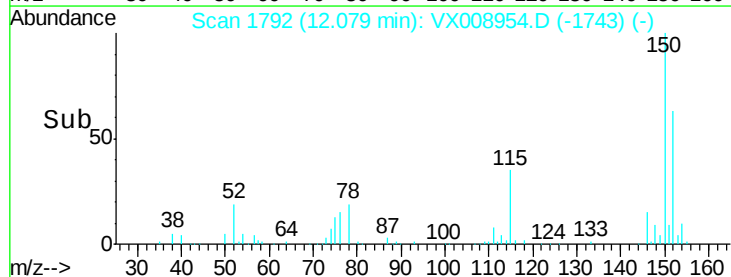
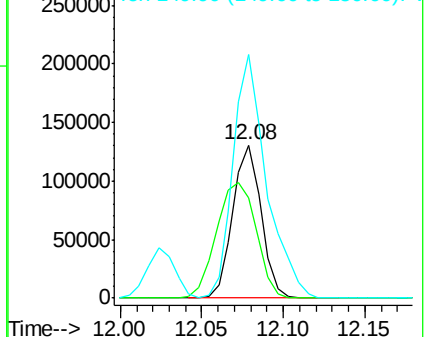
152 100

115 105.9 41.4 124.2

150 188.1 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: 89.884 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1148126

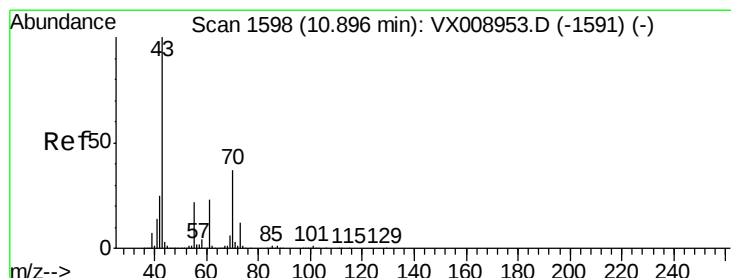
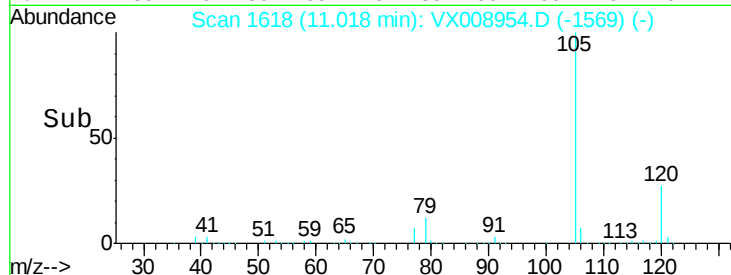
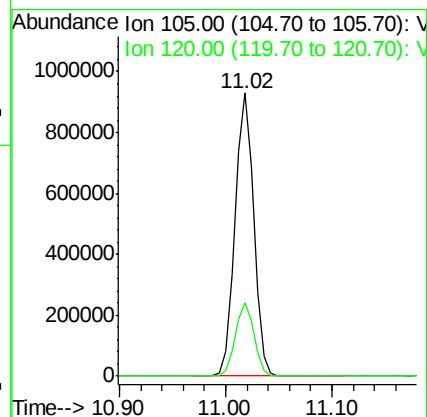
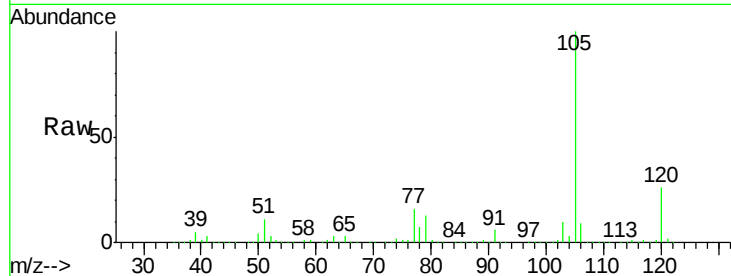
Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7

Manual Integrations
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4/16/2019 10:53:02 AM



#74

N-ethyl acetate

Concen: 89.643 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Tgt Ion: 43 Resp: 673210

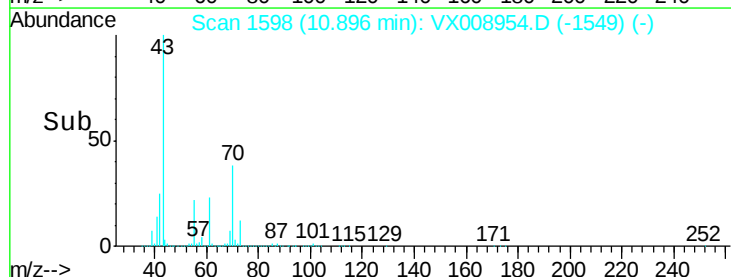
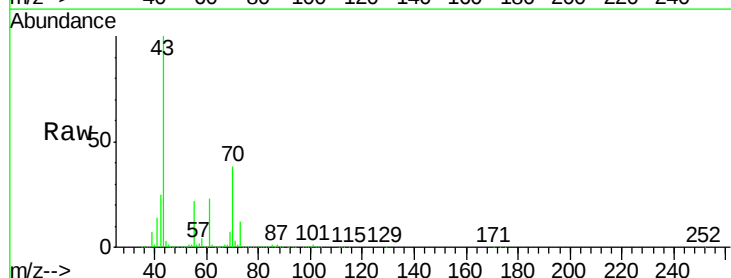
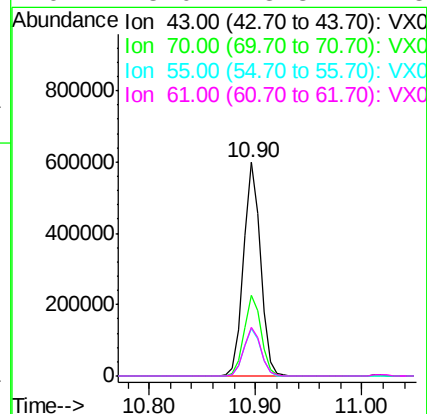
Ion Ratio Lower Upper

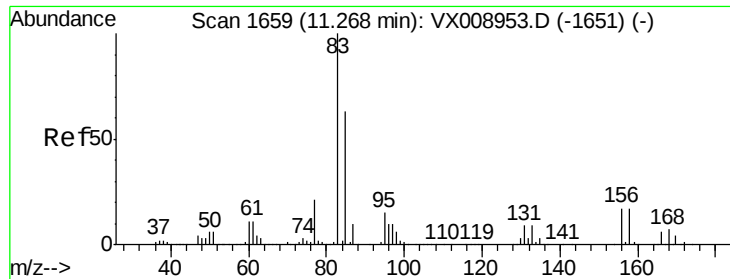
43 100

70 37.8 29.9 44.9

55 22.2 17.8 26.8

61 23.0 18.3 27.5





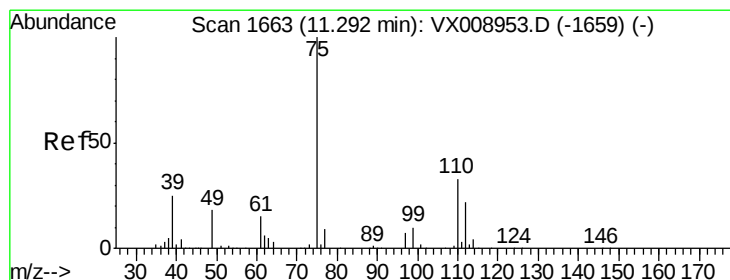
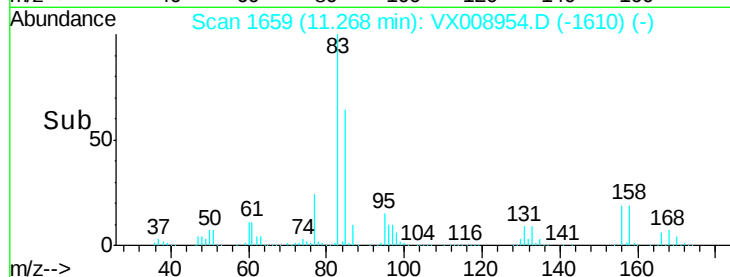
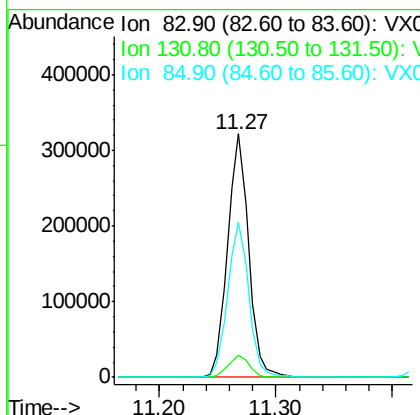
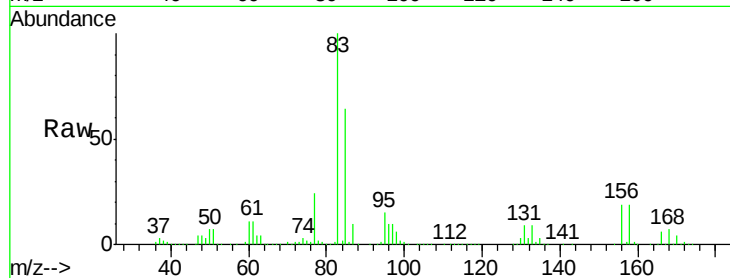
#75
 1,1,2,2-Tetrachloroethane
 Concen: 83.419 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	83	Resp	404156
Ion Ratio	100	Lower	Upper
83	100		
131	9.3	4.7	14.0
85	64.0	31.9	95.9

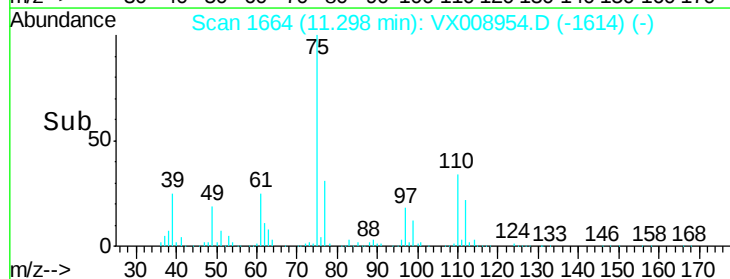
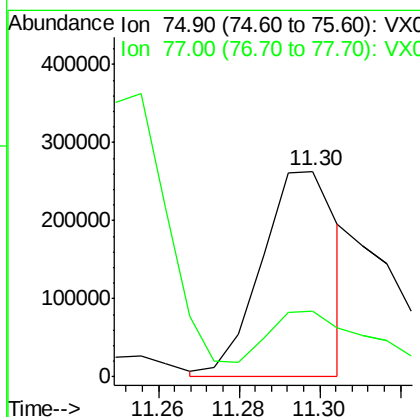
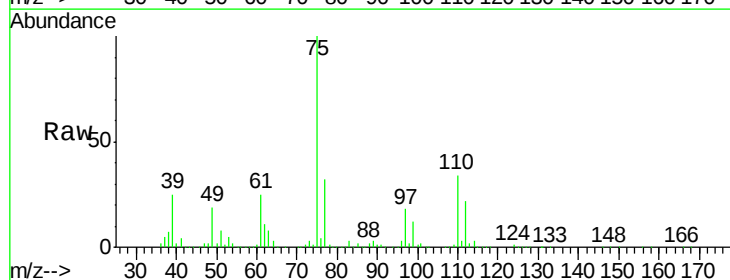
Manual Integrations
 APPROVED

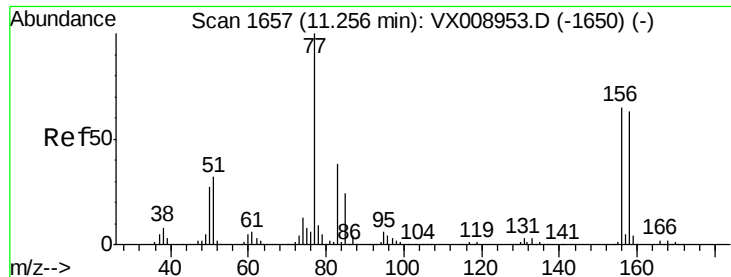
MMDadoda
 4/16/2019 10:53:02 AM



#76
 1,2,3-Trichloropropane
 Concen: 81.536 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Tgt Ion	75	Resp	345052
Ion Ratio	100	Lower	Upper
75	100		
77	44.2	22.7	68.0





#77

Bromobenzene

Concen: 90.432 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

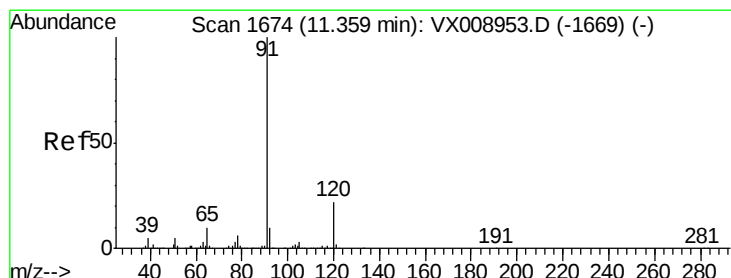
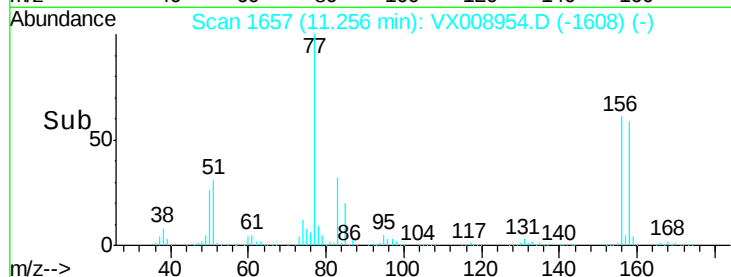
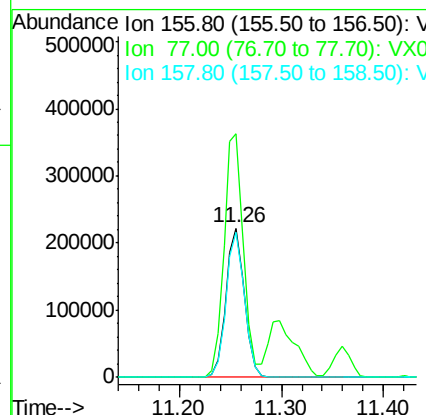
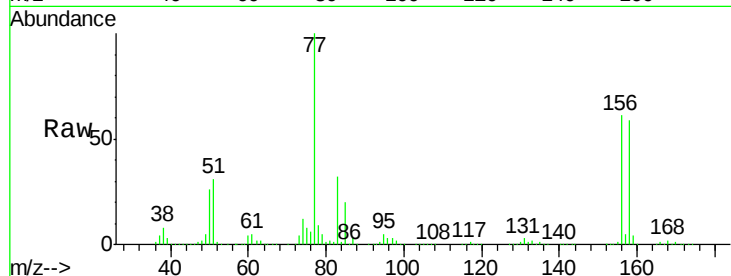
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	279256
Ion Ratio	Lower	Upper	
156	100		
77	173.3	85.4	256.1
158	96.7	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 90.109 ug/l

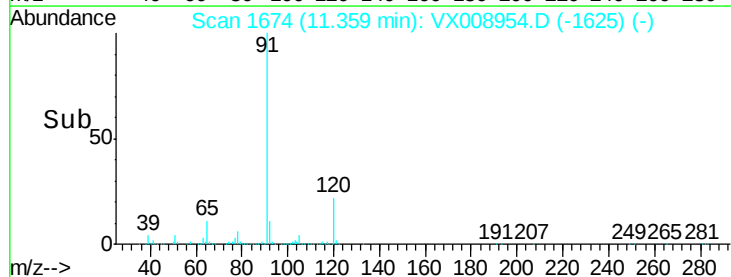
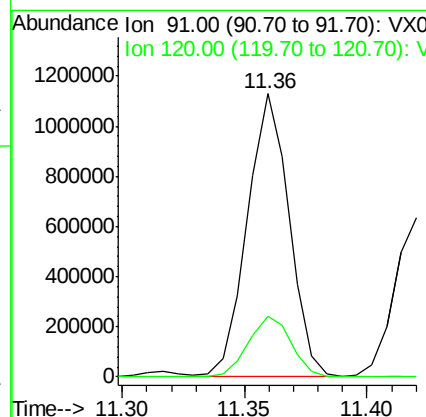
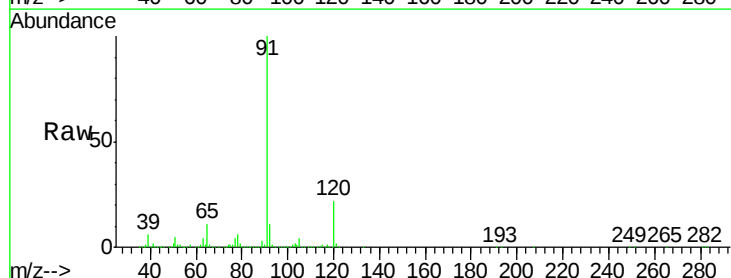
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Tgt Ion:	91	Resp:	1339482
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.9	32.9





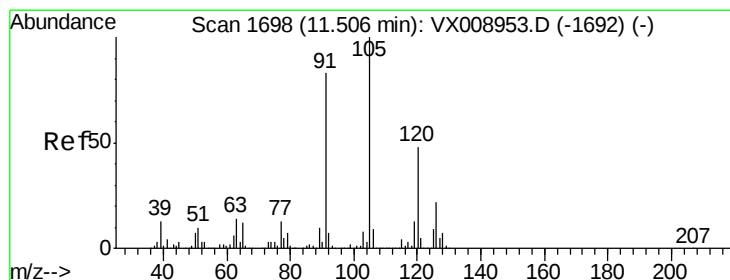
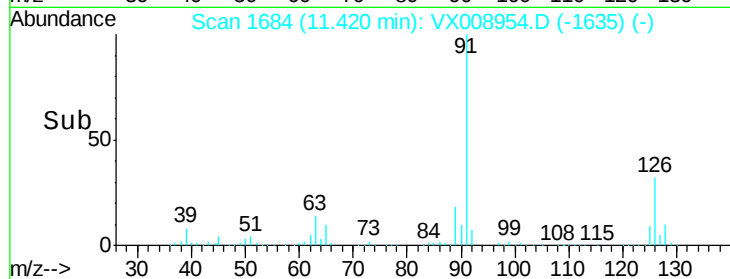
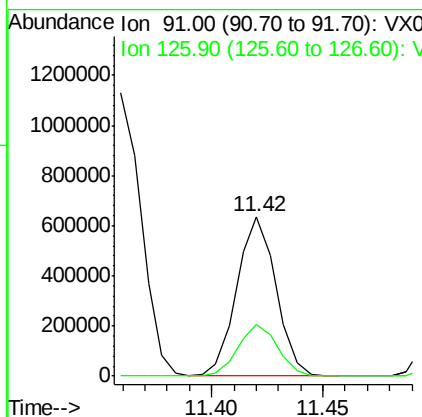
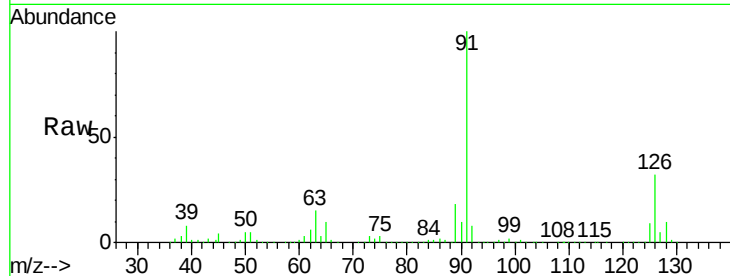
#79
 2-Chlorotoluene
 Concen: 86.861 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 781005
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.9

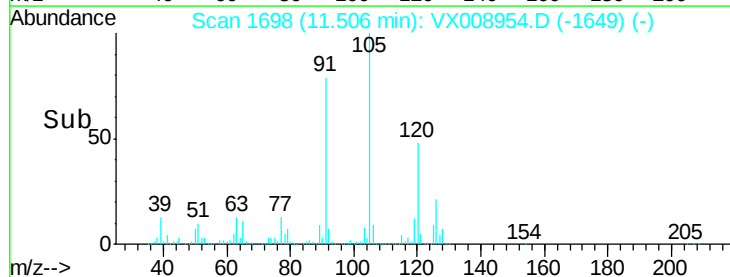
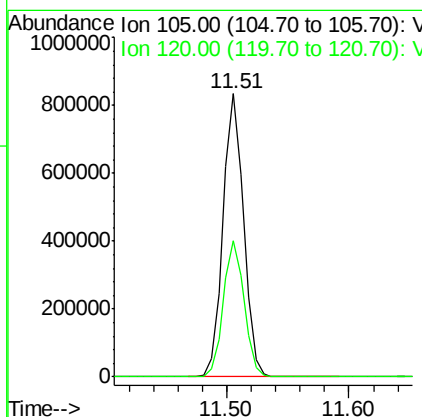
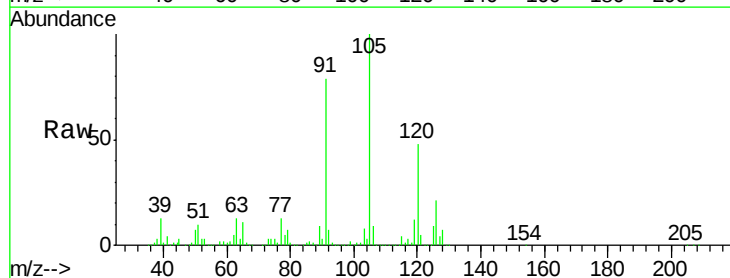
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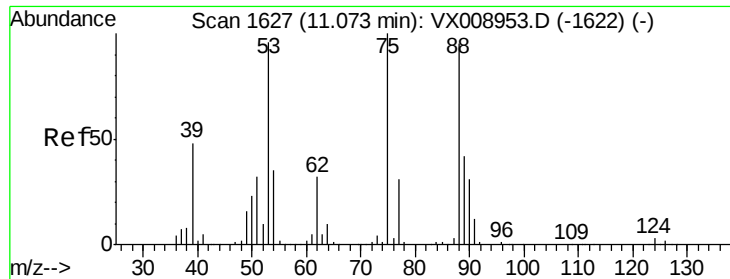
MMDadoda
 4/16/2019 10:53:02 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 90.972 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Tgt Ion: 105 Resp: 973845
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 101.472 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 157074

Ion Ratio Lower Upper

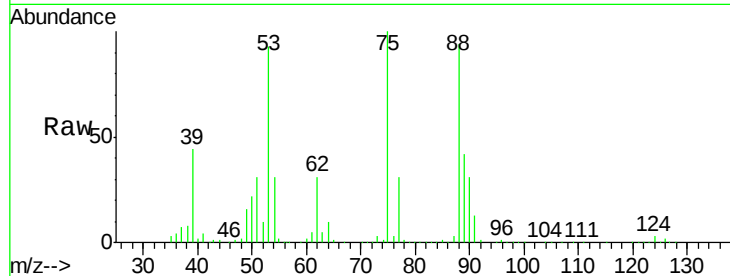
75 100

53 94.8 78.2 117.4

89 44.0 36.0 54.0

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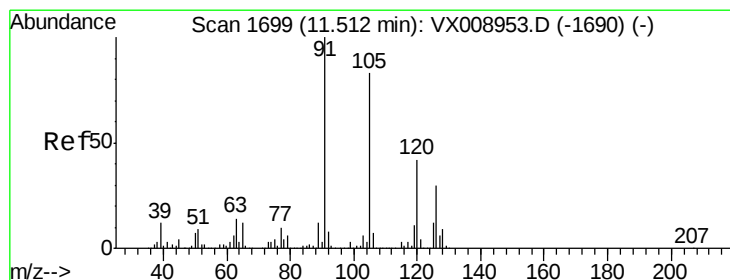
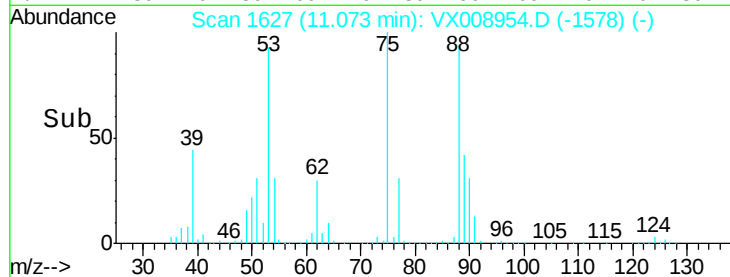
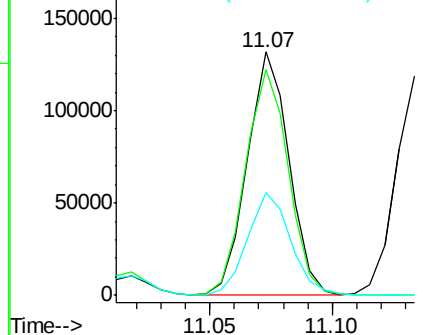
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 87.648 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008954.D

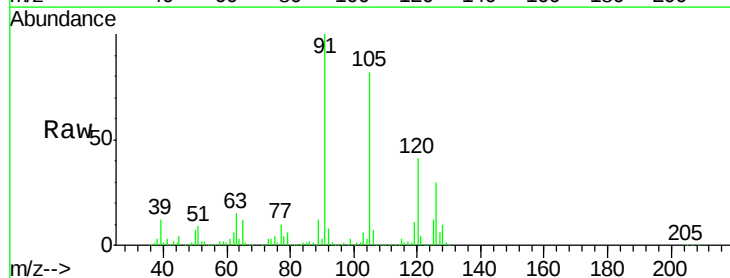
Acq: 15 Apr 2019 11:32

Tgt Ion: 91 Resp: 912699

Ion Ratio Lower Upper

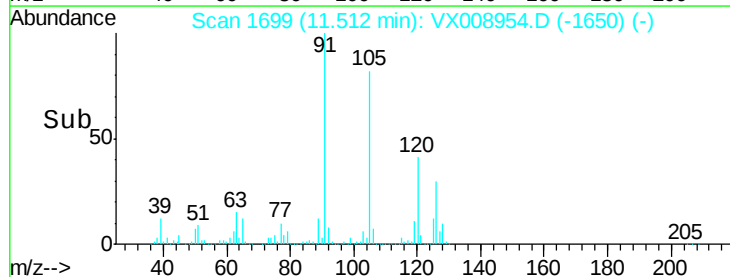
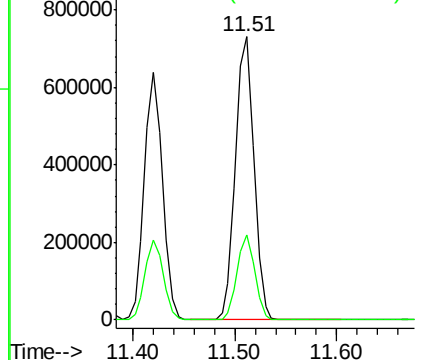
91 100

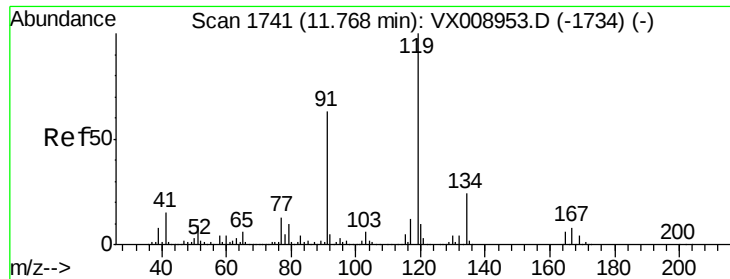
126 28.9 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





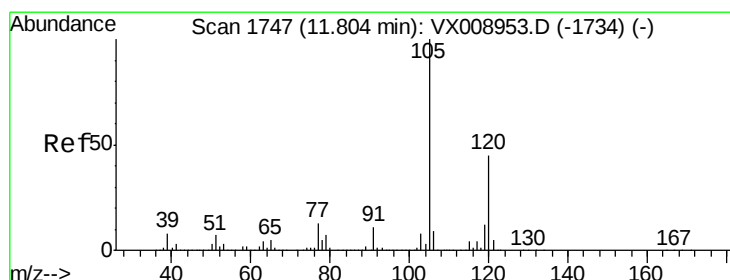
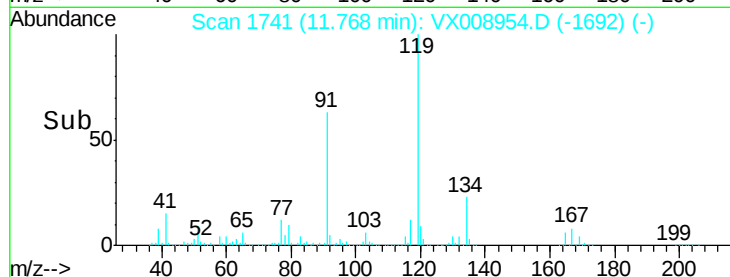
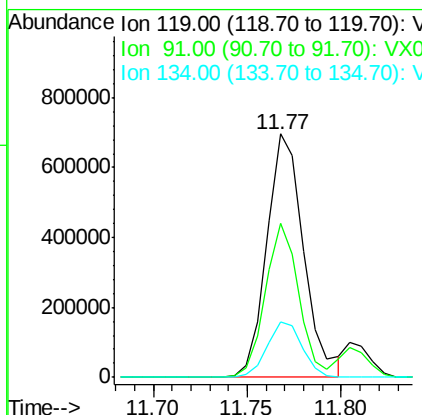
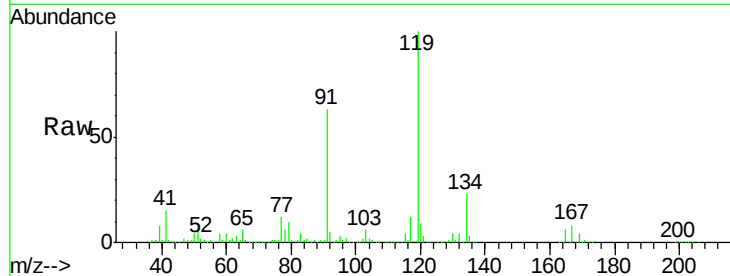
#83
tert-Butylbenzene
Concen: 91.780 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	29.7	89.1
134	21.8	11.2	33.5

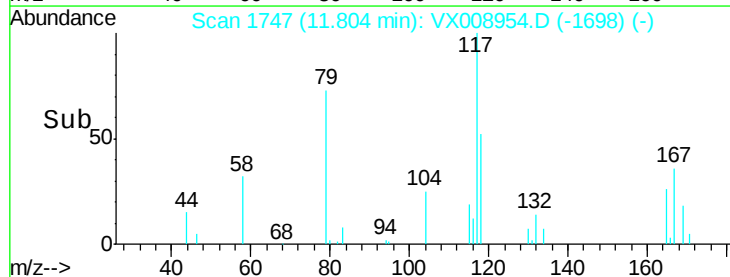
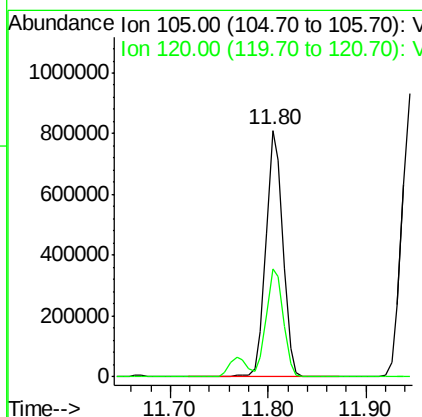
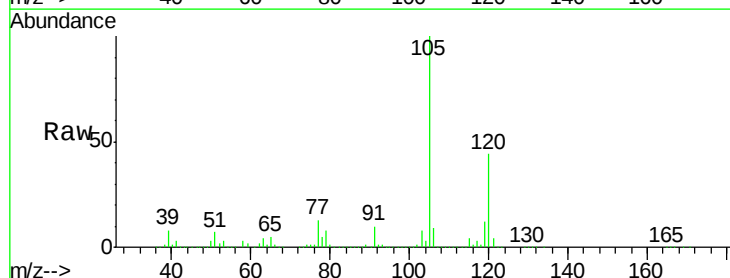
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 89.894 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.8





#85

sec-Butylbenzene

Concen: 91.327 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC100

Tot Ion:105 Resp: 1118646

Ion Ratio Lower Upper

105 100

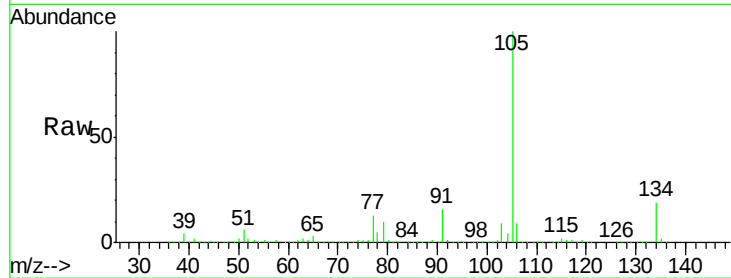
134 19.3 9.6 28.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

800000

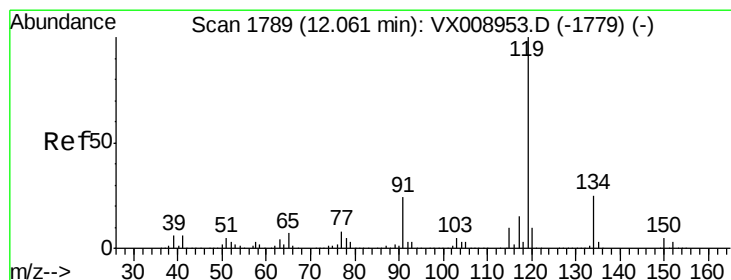
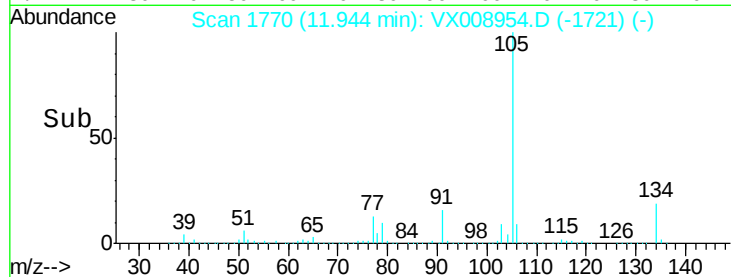
600000

400000

200000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 92.627 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

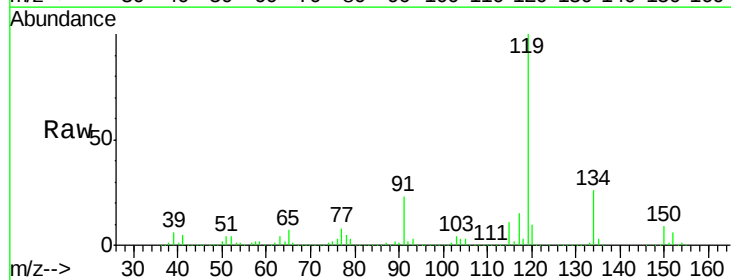
Tgt Ion:119 Resp: 1021470

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

91 24.1 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.07

800000

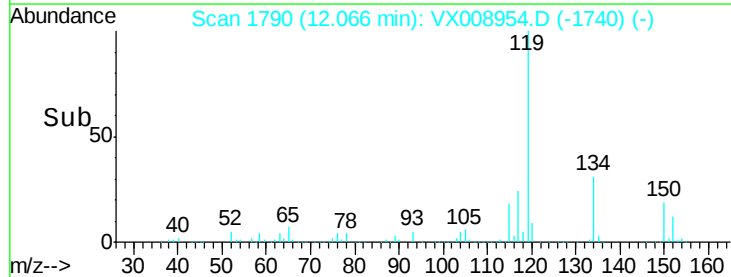
600000

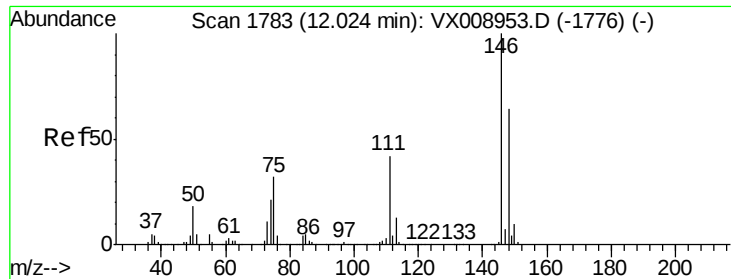
400000

200000

0

Time--> 12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 90.885 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

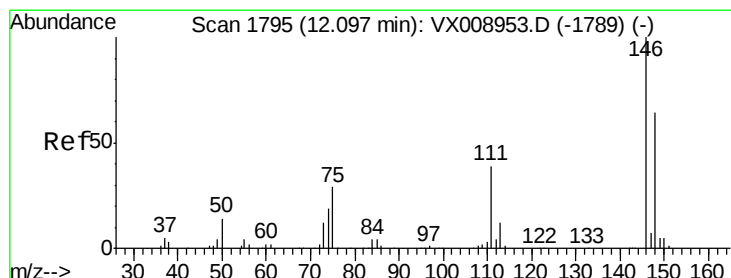
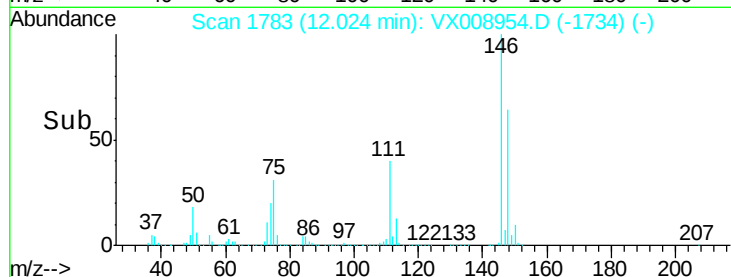
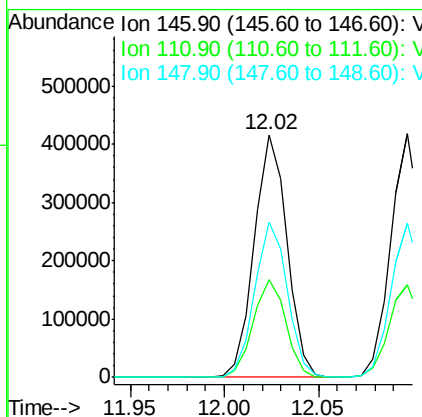
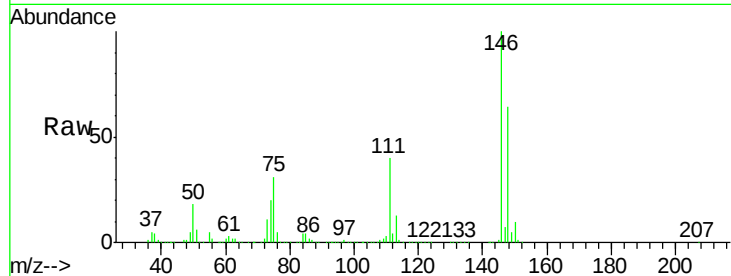
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	502185
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.5	61.6
148	63.5	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 89.074 ug/l

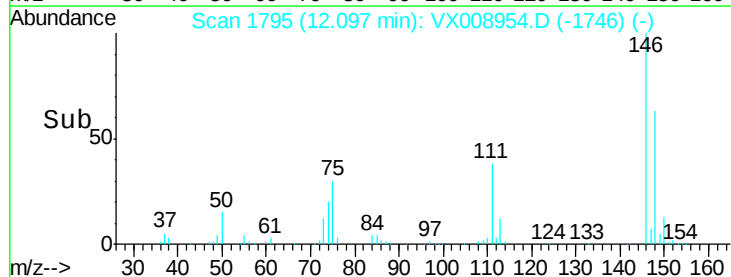
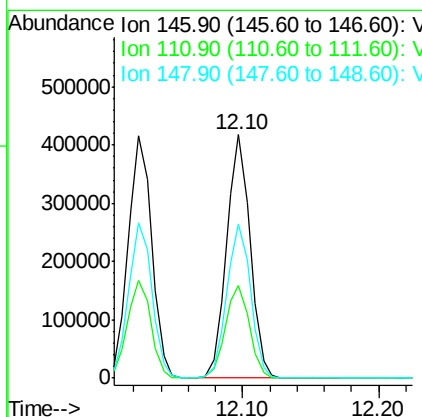
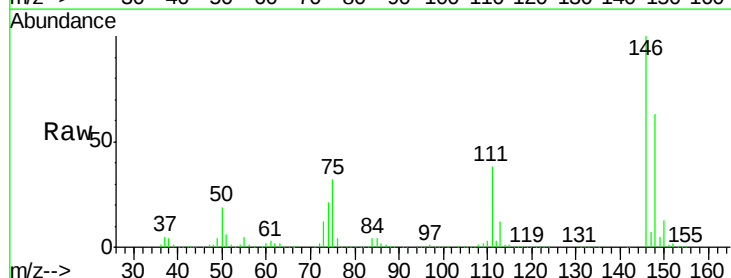
RT: 12.10 min Scan# 1795

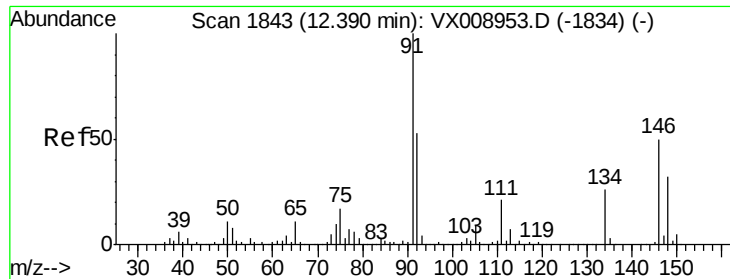
Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Tgt Ion:	146	Resp:	499177
Ion Ratio	Lower	Upper	
146	100		
111	39.1	20.0	59.9
148	64.3	32.2	96.6





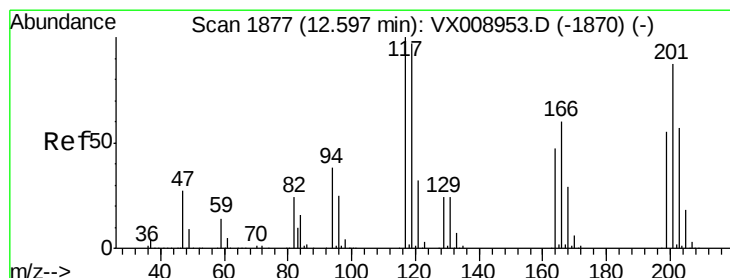
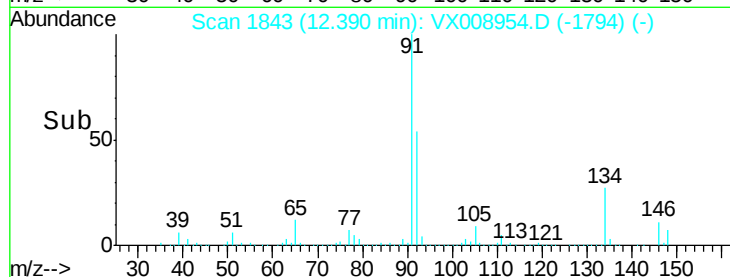
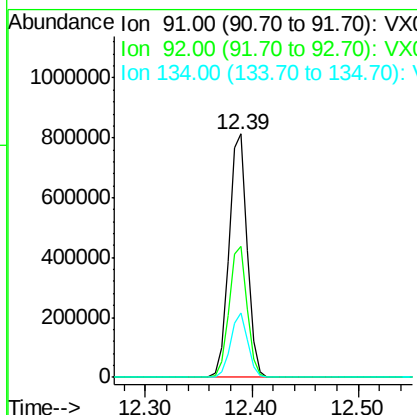
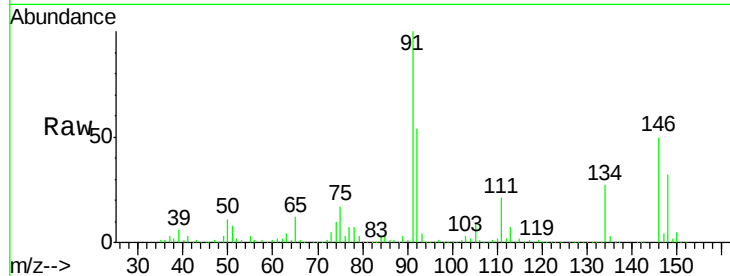
#89
n-Butylbenzene
Concen: 93.604 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.8
134	25.3	12.4	37.2

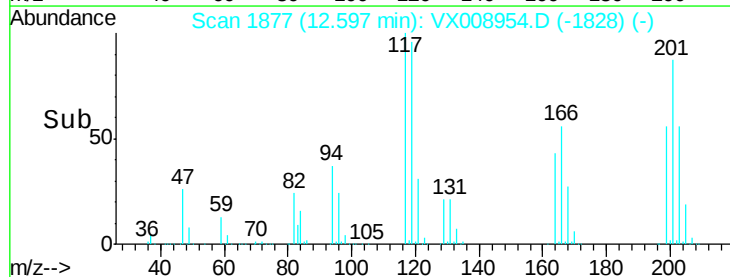
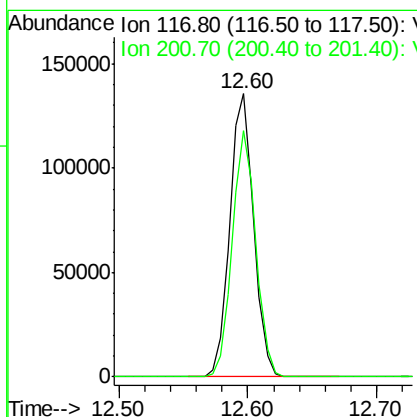
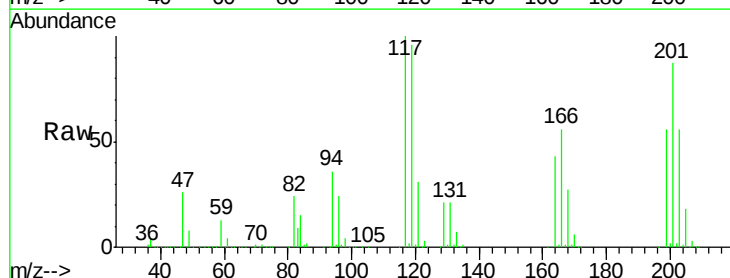
Manual Integrations
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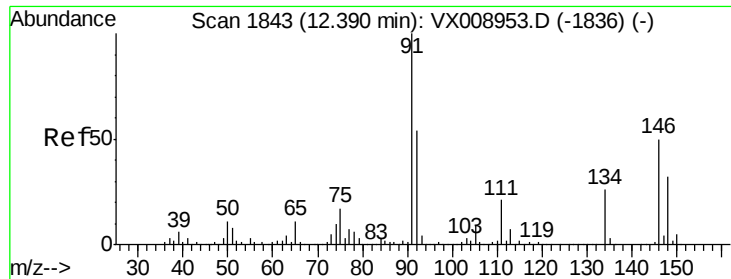
MMDadoda
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#90
Hexachloroethane
Concen: 96.256 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	43.0	129.0





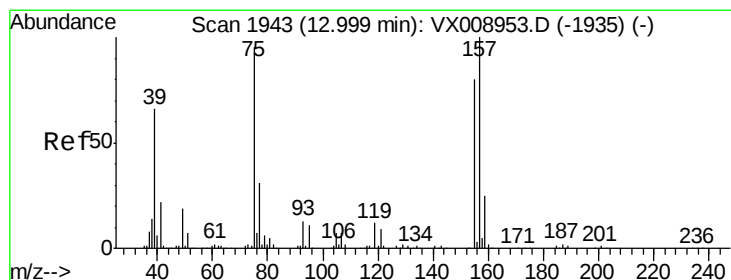
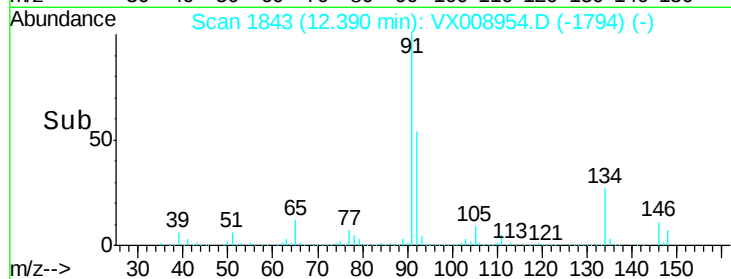
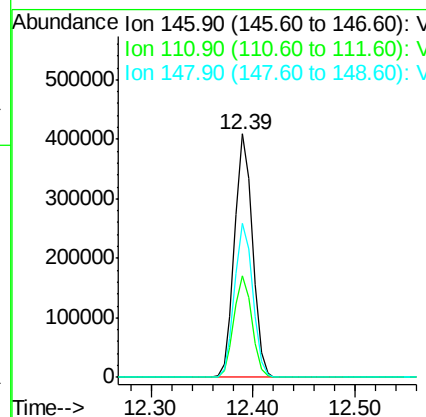
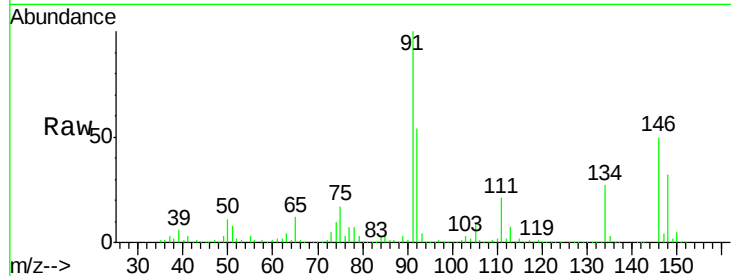
#91
 1,2-Dichlorobenzene
 Concen: 90.140 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.9
148	64.0	32.0	96.2

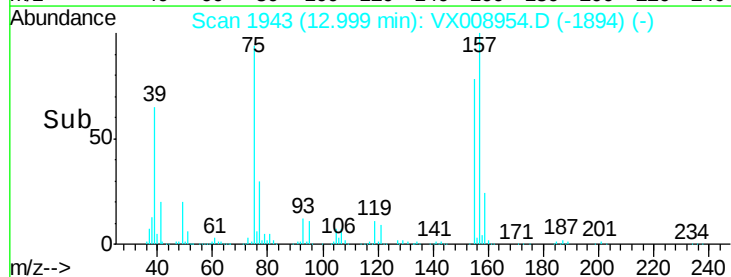
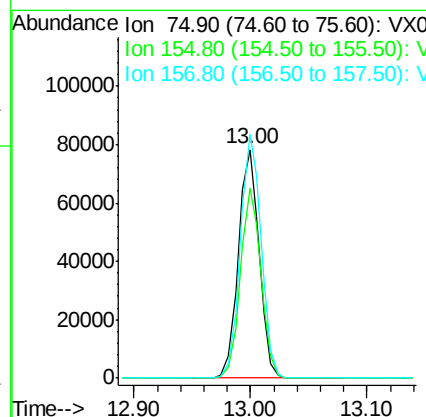
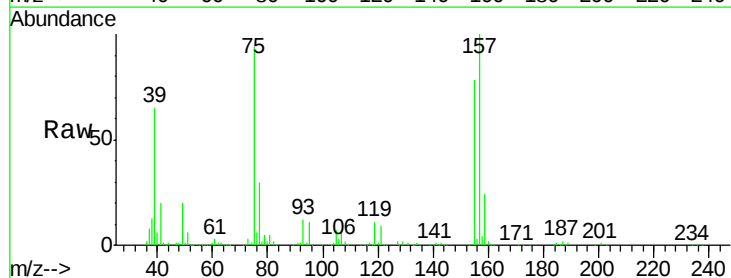
Manual Integrations
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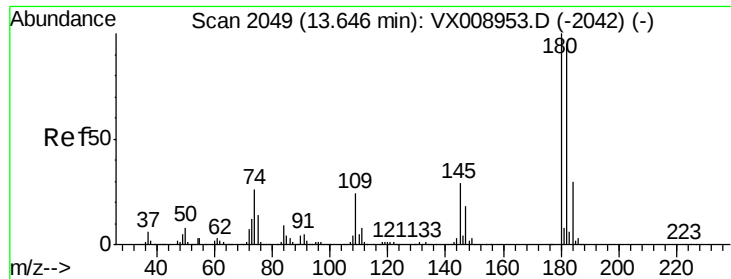
MMDadoda
 4/16/2019 10:53:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 90.929 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008954.D
 Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	41.2	123.6
157	106.9	52.5	157.6





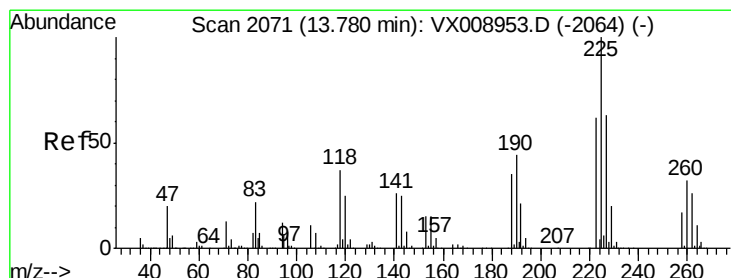
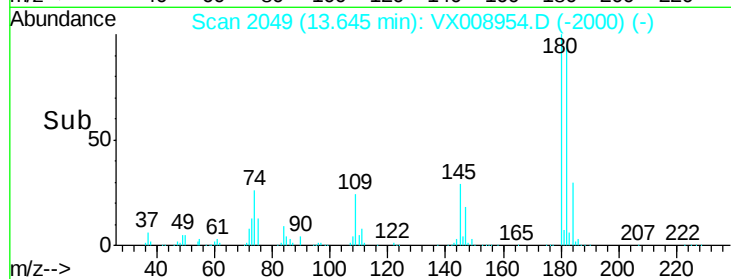
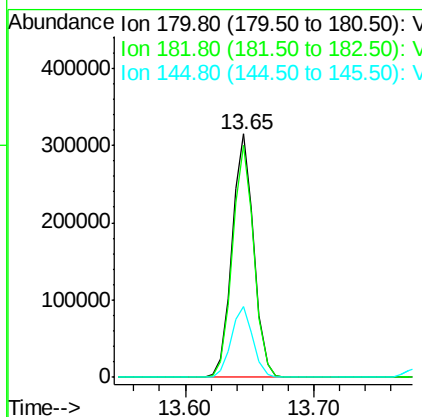
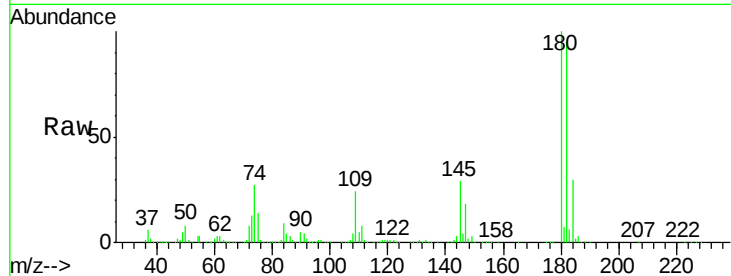
#93
1,2,4-Trichlorobenzene
Concen: 95.696 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	368089		
182	94.7		47.6	142.9
145	29.2		14.8	44.4

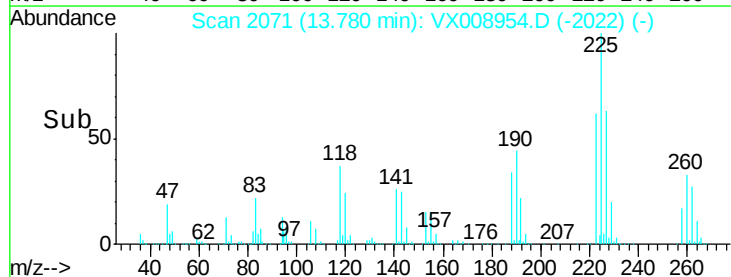
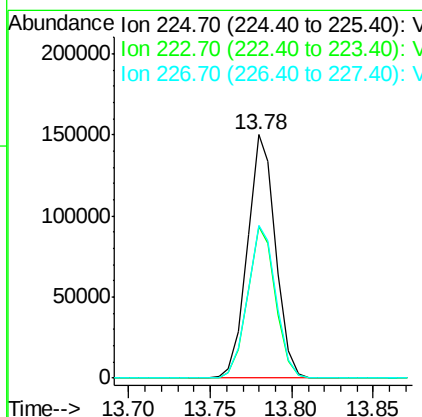
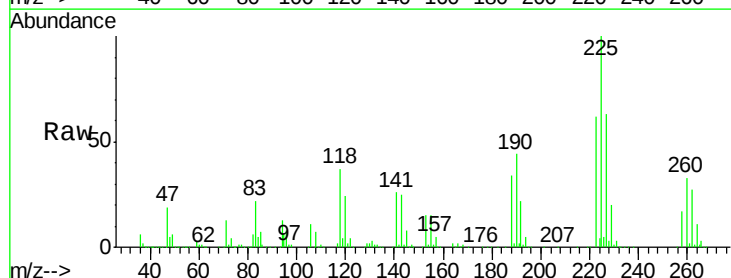
Manual Integrations
APPROVED

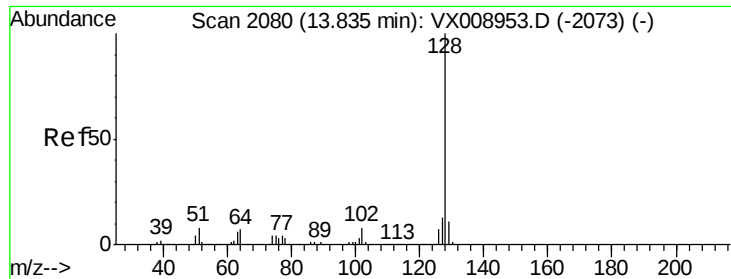
MMDadoda
4/16/2019 10:53:02 AM



#94
Hexachlorobutadiene
Concen: 97.666 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008954.D
Acq: 15 Apr 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	180047		
223	61.9		31.1	93.2
227	63.3		32.0	96.2





#95

Naphthalene

Concen: 93.078 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1185627

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

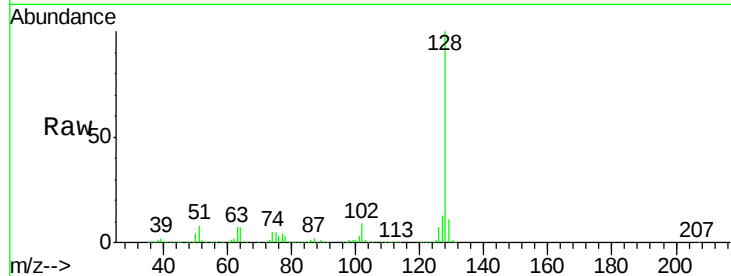
129 10.9 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

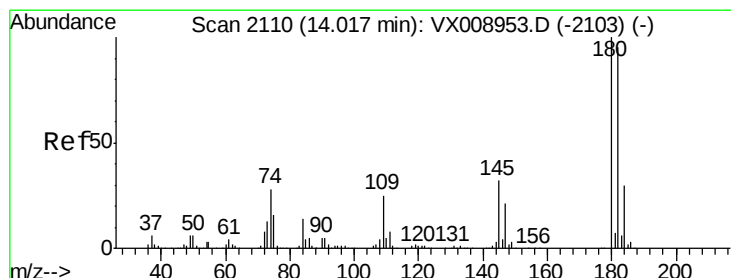
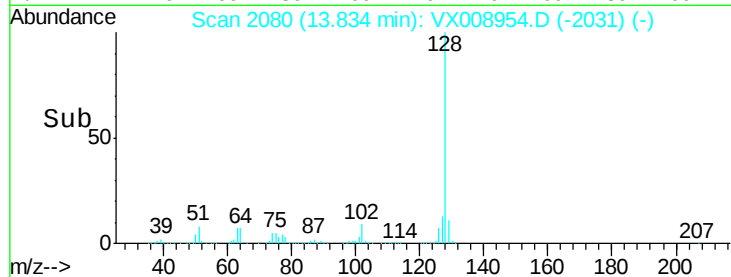
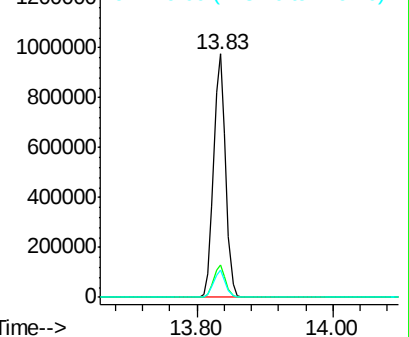
4/16/2019 10:53:02 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 93.955 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008954.D

Acq: 15 Apr 2019 11:32

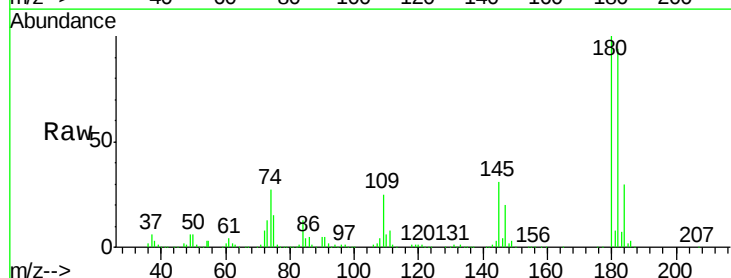
Tgt Ion:180 Resp: 360334

Ion Ratio Lower Upper

180 100

182 95.1 47.8 143.4

145 31.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

