

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030619\
 Data File : VX007872.D
 Acq On : 06 Mar 2019 20:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 10:35:45 AM

Quant Time: Mar 07 08:52:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	302463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	440472	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	390505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192909	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160602	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
35) Dibromofluoromethane	5.51	113	141710	50.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.60%	
50) Toluene-d8	8.71	98	534150	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.13	95	186156	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	122514	47.411	ug/l	99
3) Chloromethane	1.33	50	153576	46.117	ug/l	99
4) Vinyl Chloride	1.41	62	156916	47.423	ug/l	100
5) Bromomethane	1.64	94	73069	46.988	ug/l	98
6) Chloroethane	1.72	64	102398	46.583	ug/l	99
7) Trichlorofluoromethane	1.93	101	202541	47.014	ug/l	100
8) Diethyl Ether	2.19	74	87890	47.113	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	123558	46.282	ug/l	99
10) Methyl Iodide	2.51	142	189528	50.042	ug/l	100
11) Tert butyl alcohol	3.08	59	167530	234.785	ug/l	100
12) 1,1-Dichloroethene	2.37	96	120459	46.810	ug/l	99
13) Acrolein	2.30	56	87184	216.118	ug/l	99
14) Allyl chloride	2.73	41	248897	46.028	ug/l	100
15) Acrylonitrile	3.15	53	418748	232.501	ug/l	99
16) Acetone	2.45	43	347990	188.429	ug/l	98
17) Carbon Disulfide	2.57	76	373164	47.731	ug/l	99
18) Methyl Acetate	2.78	43	187907	47.894	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	419623	47.399	ug/l	99
20) Methylene Chloride	2.86	84	136299	46.373	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	129676	45.797	ug/l	98
22) Diisopropyl ether	3.87	45	475142	47.934	ug/l	99
23) Vinyl Acetate	3.82	43	2073920	238.587	ug/l	100
24) 1,1-Dichloroethane	3.70	63	251643	47.174	ug/l	99
25) 2-Butanone	4.70	43	584519	223.561	ug/l	99
26) 2,2-Dichloropropane	4.59	77	148917	42.137	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	151279	46.689	ug/l	99
28) Bromochloromethane	5.02	49	120148	48.312	ug/l	99
29) Tetrahydrofuran	5.15	42	390840	239.649	ug/l	100
30) Chloroform	5.21	83	238977	47.360	ug/l	100
31) Cyclohexane	5.57	56	234166	47.763	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	201680	48.172	ug/l	98
36) 1,1-Dichloropropene	5.80	75	183205	45.935	ug/l	100
37) Ethyl Acetate	4.85	43	222353	46.979	ug/l	100
38) Carbon Tetrachloride	5.78	117	179183	47.322	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	230866	47.770	ug/l	99
40) Benzene	6.14	78	566570	47.717	ug/l	100
41) Methacrylonitrile	5.06	41	124087	48.088	ug/l	99
42) 1,2-Dichloroethane	6.20	62	182743	47.062	ug/l	100
43) Isopropyl Acetate	6.46	43	339576	48.479	ug/l	100
44) Trichloroethene	7.21	130	152071	46.474	ug/l	100
45) 1,2-Dichloropropane	7.52	63	149891	47.796	ug/l	99
46) Dibromomethane	7.66	93	93427	47.075	ug/l	99
47) Bromodichloromethane	7.90	83	180010	47.839	ug/l	100
48) Methyl methacrylate	7.77	41	178925	48.584	ug/l	99
49) 1,4-Dioxane	7.75	88	72059	952.504	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1093952	242.846	ug/l	100
52) Toluene	8.79	92	349838	48.259	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	194025	49.403	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	217759	49.100	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	142505	48.561	ug/l	99
56) Ethyl methacrylate	9.18	69	221118	50.185	ug/l	100
57) 1,3-Dichloropropane	9.37	76	237705	48.243	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	585147	256.739	ug/l	100
59) 2-Hexanone	9.49	43	818374	233.997	ug/l	100
60) Dibromochloromethane	9.58	129	151213	49.299	ug/l	100
61) 1,2-Dibromoethane	9.67	107	150392	48.270	ug/l	100
64) Tetrachloroethene	9.33	164	146747	45.347	ug/l	99
65) Chlorobenzene	10.14	112	380509	46.565	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	139050	47.478	ug/l	99
67) Ethyl Benzene	10.25	91	647867	48.164	ug/l	100
68) m/p-Xylenes	10.36	106	497416	95.937	ug/l	100
69) o-Xylene	10.70	106	240600	48.066	ug/l	99
70) Styrene	10.71	104	397313	48.505	ug/l	99
71) Bromoform	10.86	173	118356	47.058	ug/l #	100
73) Isopropylbenzene	11.02	105	647076	49.597	ug/l	100
74) N-amyl acetate	10.90	43	292005	49.026	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	208786	46.394	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	199050m	49.172	ug/l	
77) Bromobenzene	11.26	156	168452	47.094	ug/l	98
78) n-propylbenzene	11.36	91	723212	49.967	ug/l	100
79) 2-Chlorotoluene	11.42	91	421250	47.601	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	531451	49.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	59842	47.254	ug/l	98
82) 4-Chlorotoluene	11.51	91	488042	48.122	ug/l	100
83) tert-Butylbenzene	11.77	119	526696	48.694	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	540377	49.090	ug/l	99
85) sec-Butylbenzene	11.94	105	632001	49.611	ug/l	100
86) p-Isopropyltoluene	12.06	119	570817	50.033	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	298707	47.203	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	296217	45.708	ug/l	99
89) n-Butylbenzene	12.39	91	482156	49.883	ug/l	99
90) Hexachloroethane	12.60	117	92998	48.753	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	294321	46.818	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44368	47.174	ug/l	99

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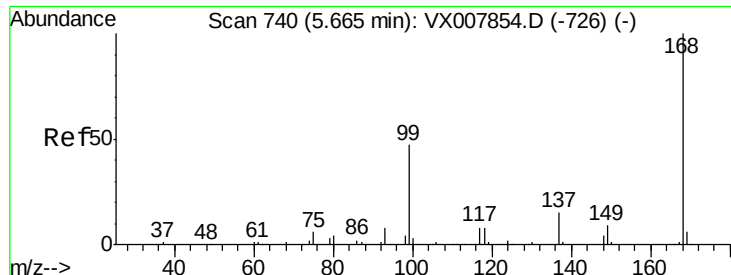
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	211673	47.930	ug/l	99
94) Hexachlorobutadiene	13.78	225	108479	46.982	ug/l	99
95) Naphthalene	13.83	128	633424	49.779	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	209971	47.728	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 302463

Ion Ratio Lower Upper

168 100

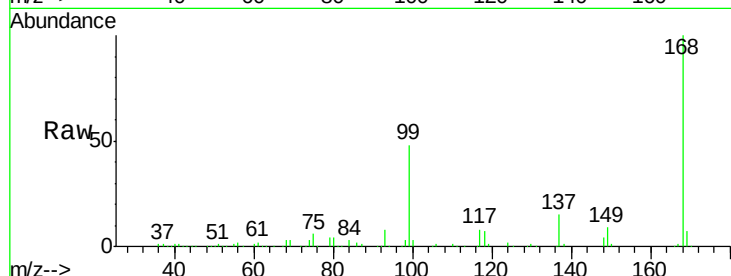
99 48.0 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

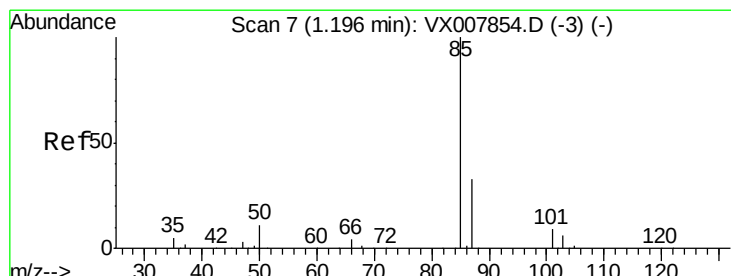
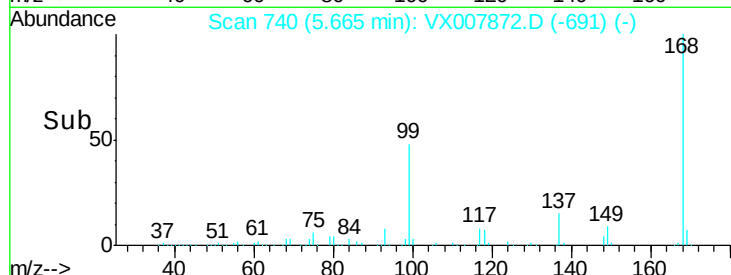
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.411 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007872.D

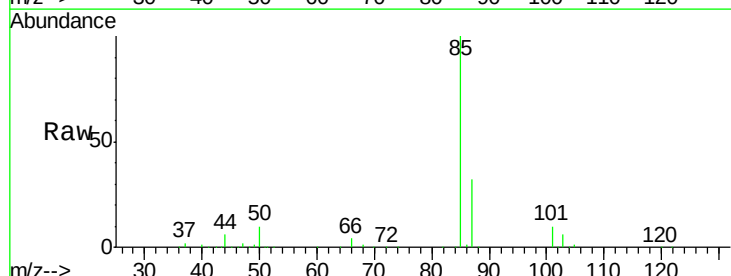
Acq: 06 Mar 2019 20:40

Tgt Ion: 85 Resp: 122514

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

40000

20000

0

1.15

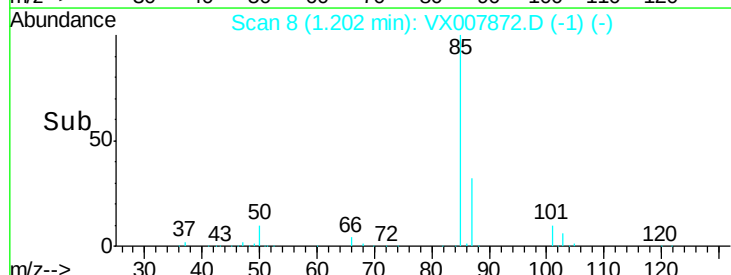
1.20

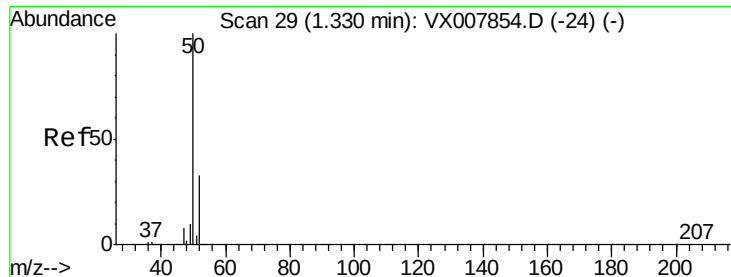
1.25

1.30

1.35

Time-->





#3

Chloromethane

Concen: 46.117 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 153576

Ion Ratio Lower Upper

50 100

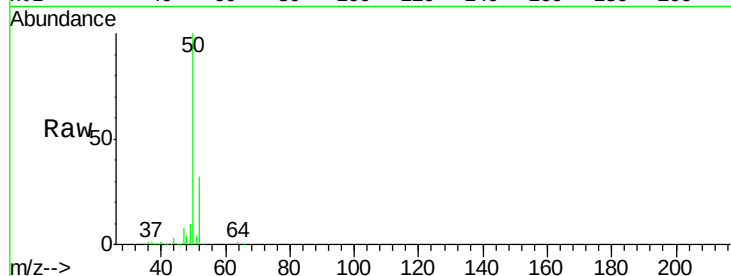
52 32.4 26.5 39.7

Manual Integrations

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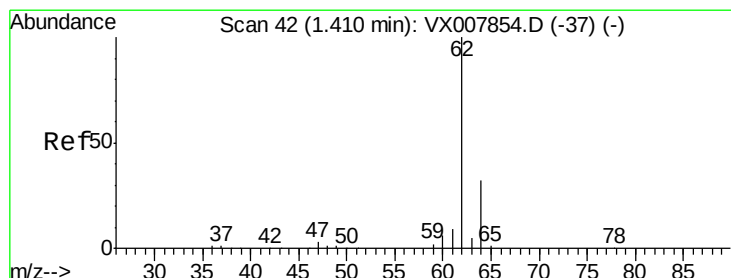
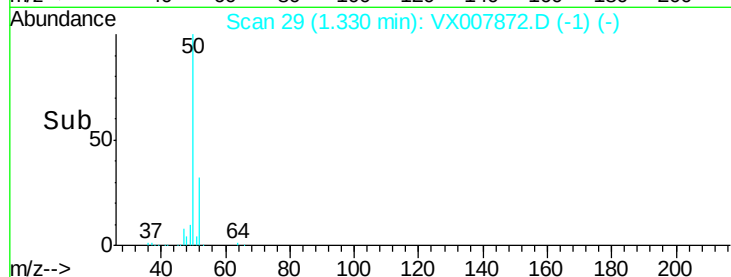
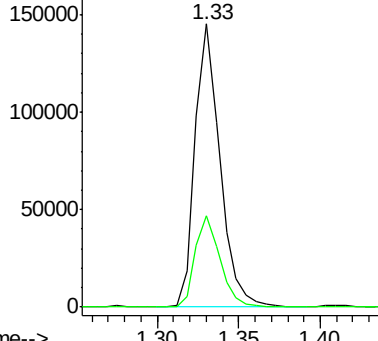
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3/7/2019 10:35:45 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.423 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007872.D

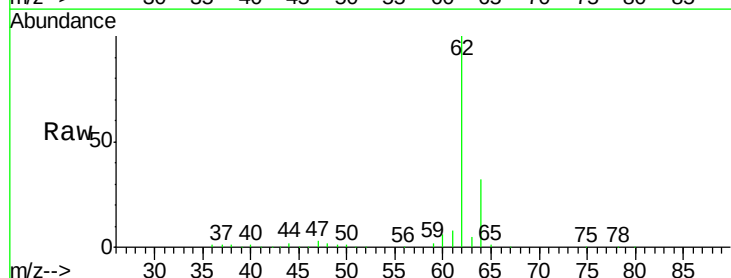
Acq: 06 Mar 2019 20:40

Tgt Ion: 62 Resp: 156916

Ion Ratio Lower Upper

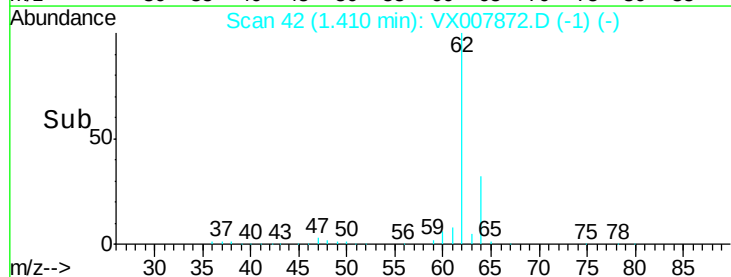
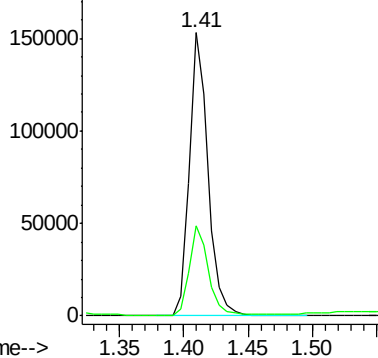
62 100

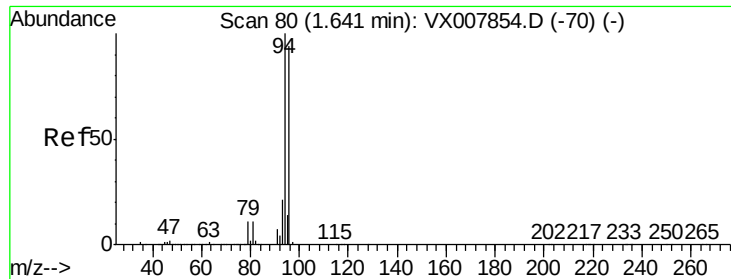
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.988 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 73069

Ion Ratio Lower Upper

94 100

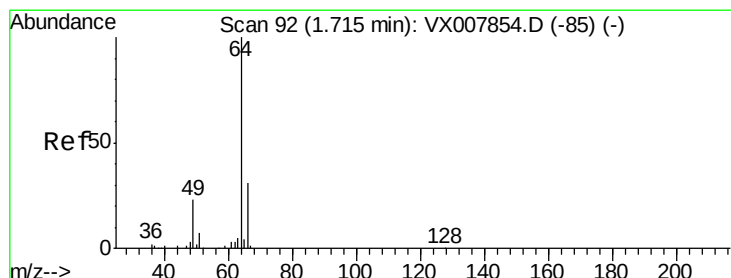
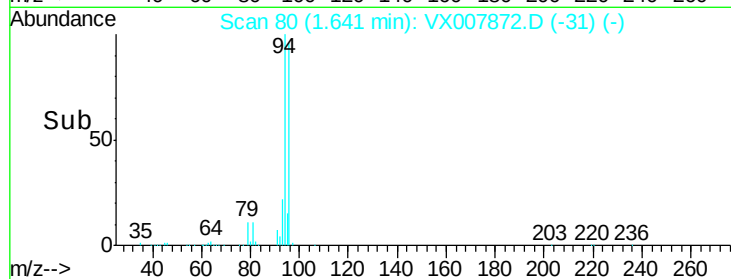
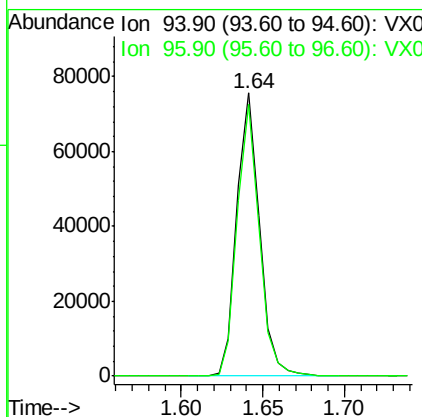
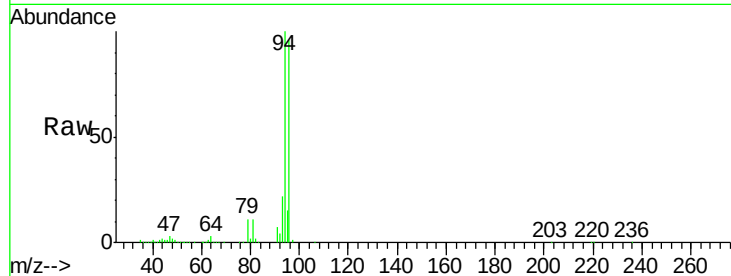
96 96.2 75.5 113.3

Manual Integrations

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3/7/2019 10:35:45 AM



#6

Chloroethane

Concen: 46.583 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007872.D

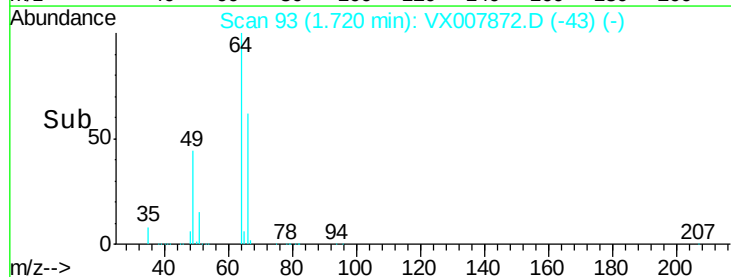
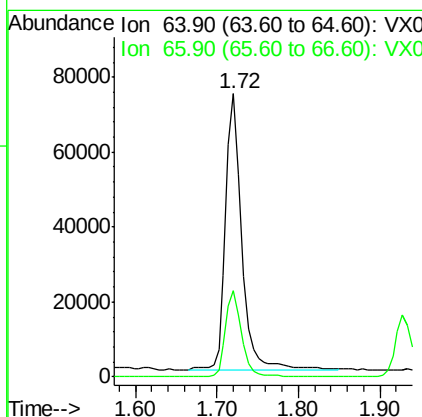
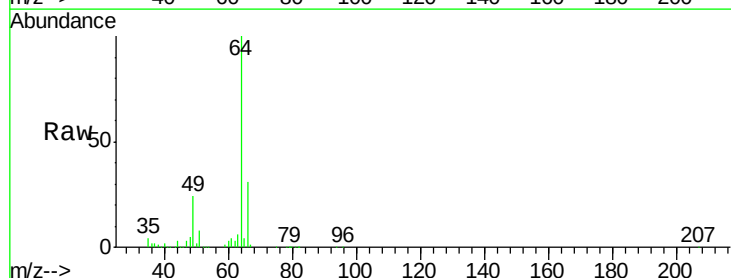
Acq: 06 Mar 2019 20:40

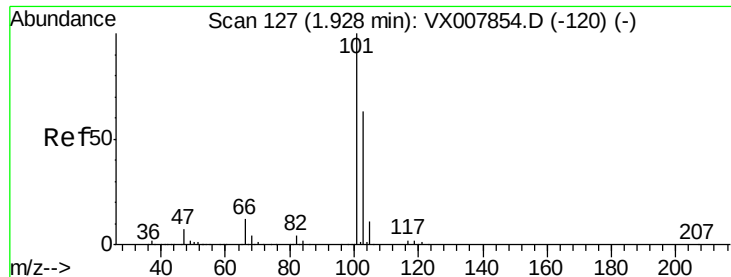
Tgt Ion: 64 Resp: 102398

Ion Ratio Lower Upper

64 100

66 31.0 25.2 37.8





#7

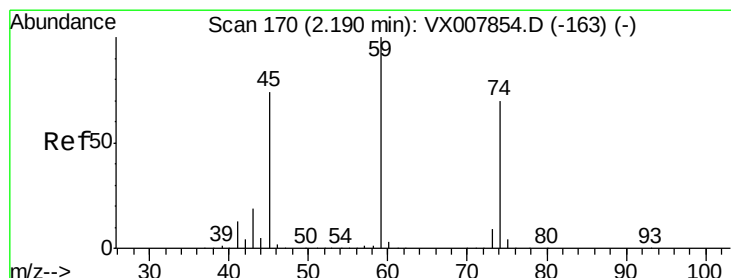
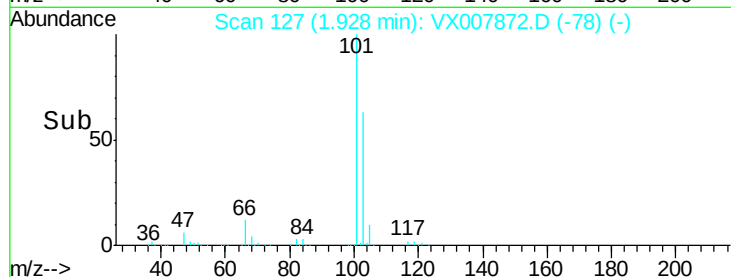
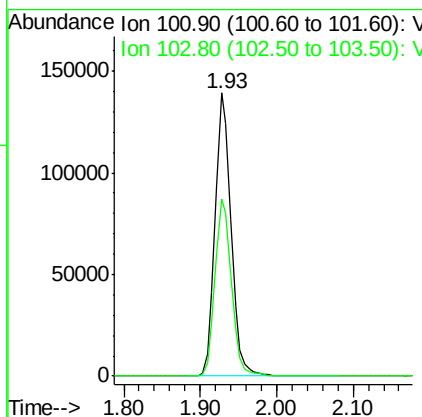
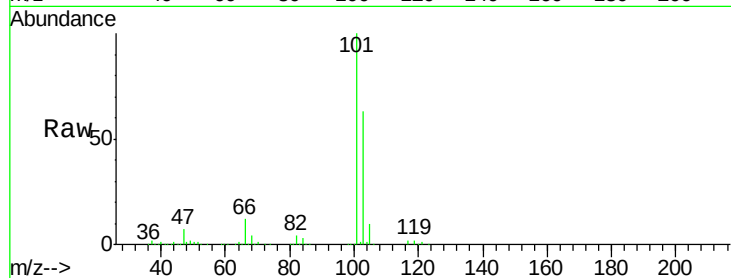
Trichlorofluoromethane
Concen: 47.014 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.4	75.6

Manual Integrations
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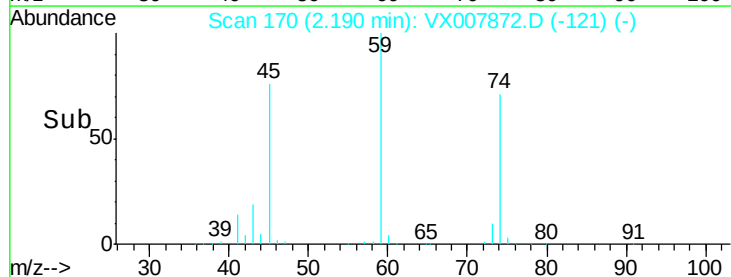
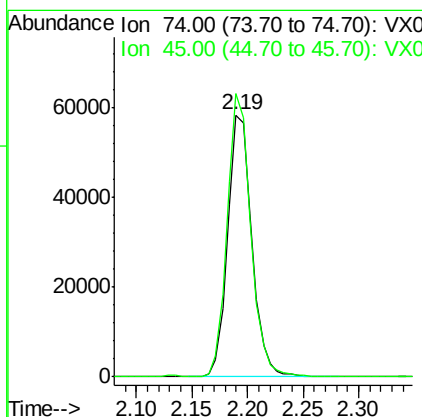
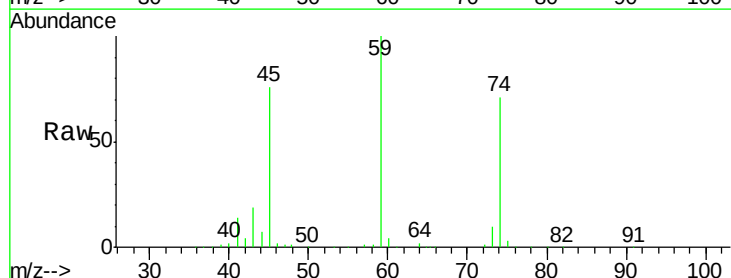
MMDadoda
3/7/2019 10:35:45 AM

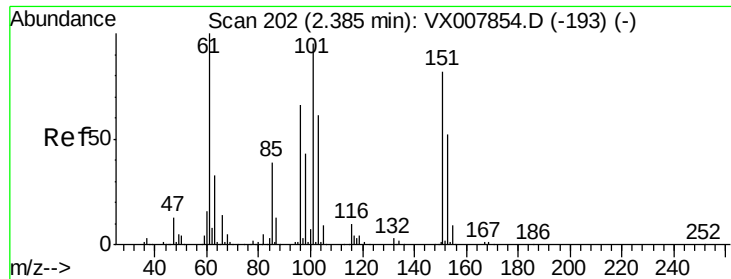


#8

Diethyl Ether
Concen: 47.113 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.282 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

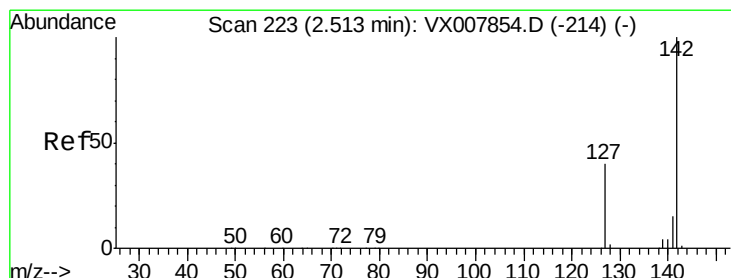
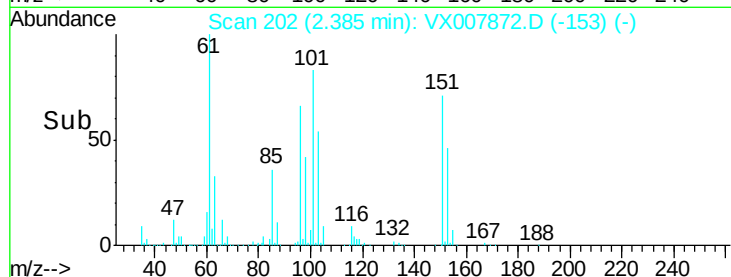
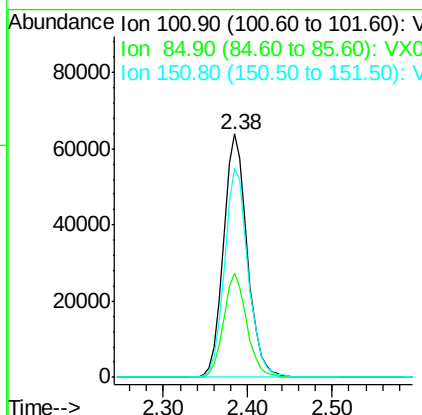
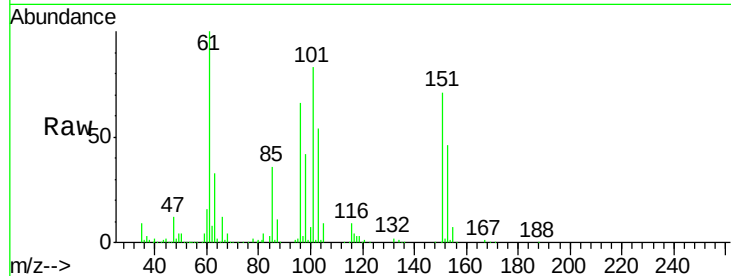
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	123558
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.8	50.6
151	85.5	69.1	103.7

Manual Integrations
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3/7/2019 10:35:45 AM



#10

Methyl Iodide

Concen: 50.042 ug/l

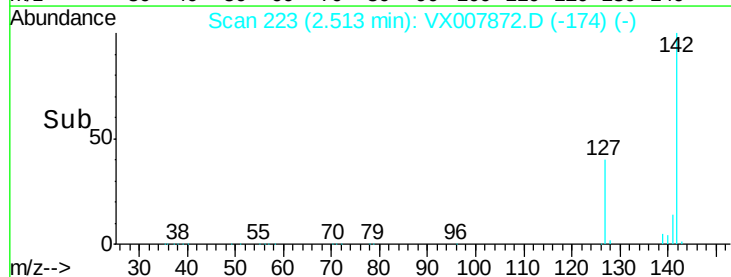
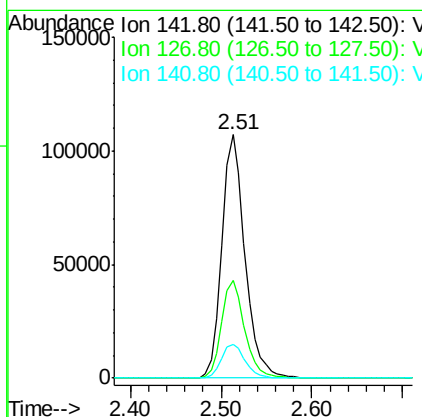
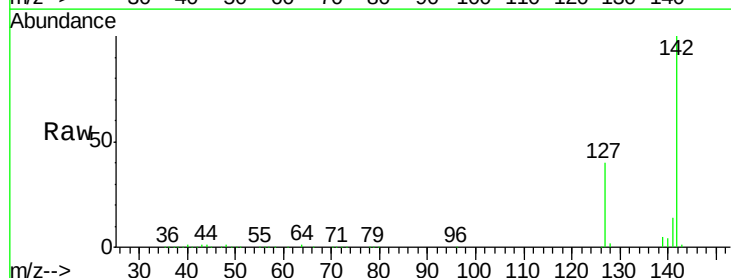
RT: 2.51 min Scan# 223

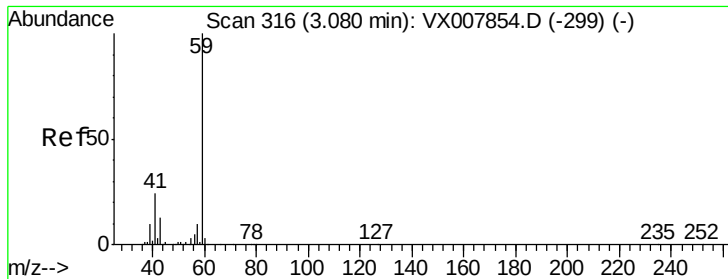
Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion:	142	Resp:	189528
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.1	48.1
141	14.5	11.4	17.2





#11

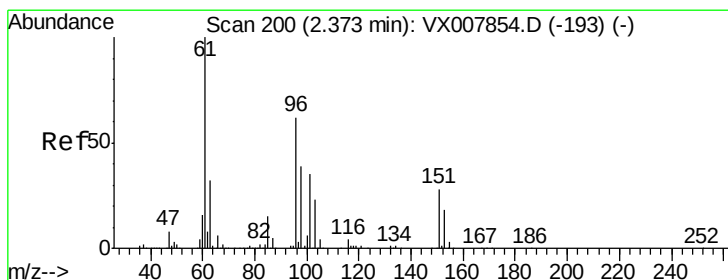
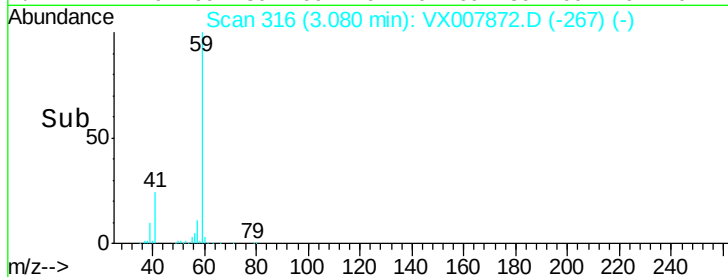
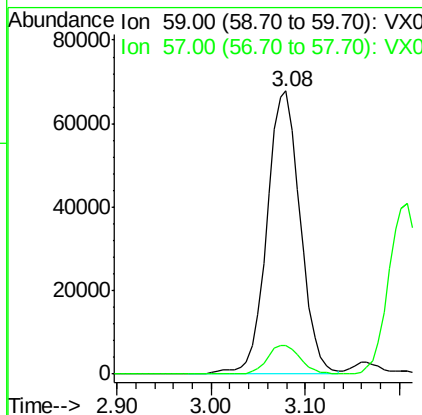
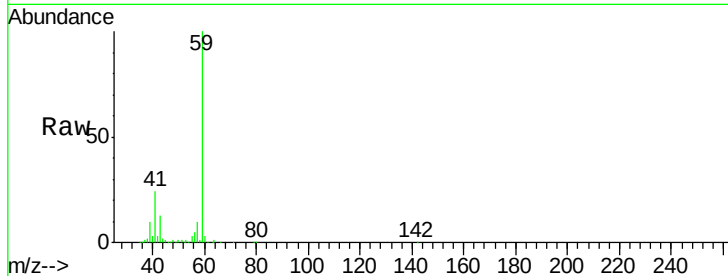
Tert butyl alcohol
 Concen: 234.785 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

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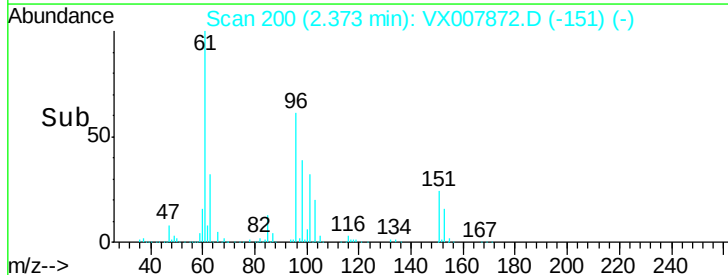
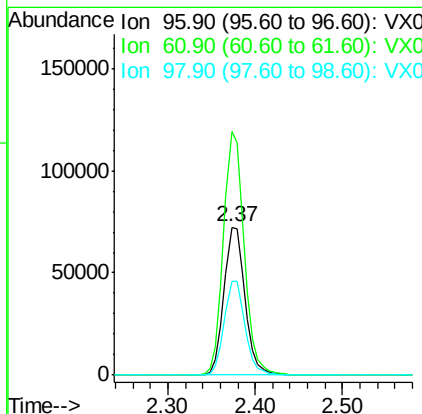
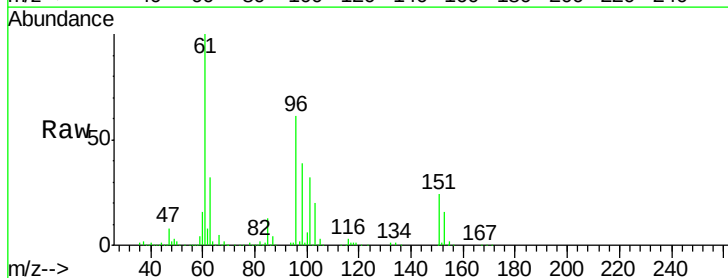
MMDadoda
 3/7/2019 10:35:45 AM

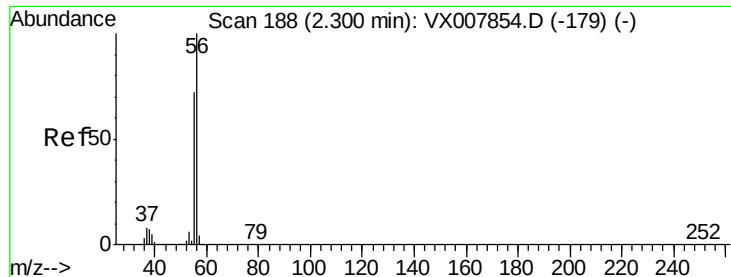


#12

1,1-Dichloroethene
 Concen: 46.810 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.5	129.8	194.6
98	63.6	51.0	76.6





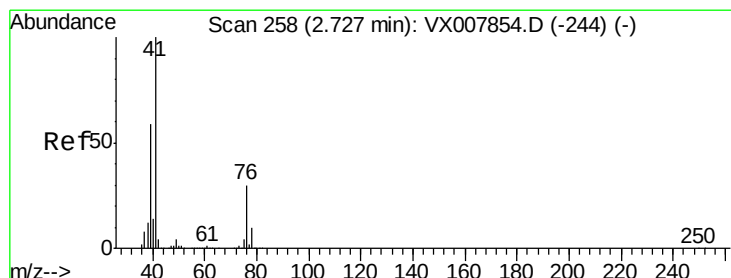
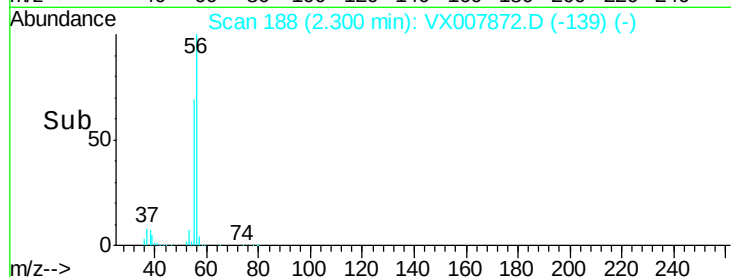
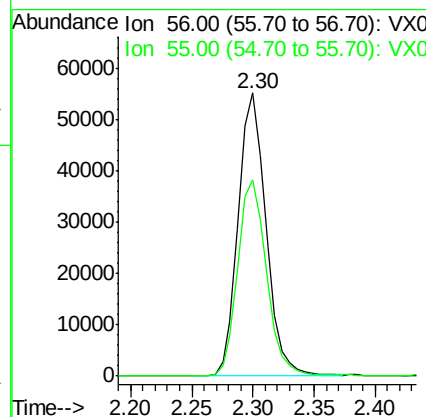
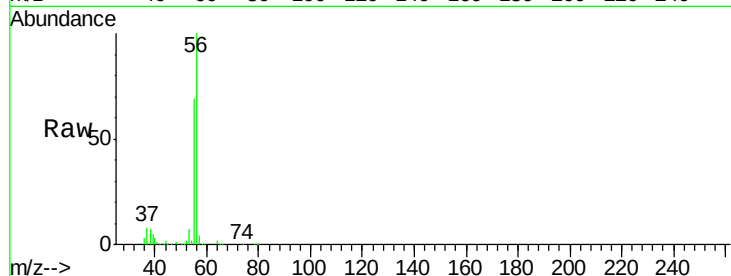
#13
Acrolein
Concen: 216.118 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.7	57.8	86.6

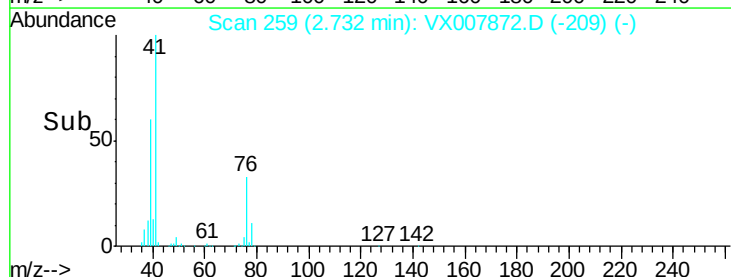
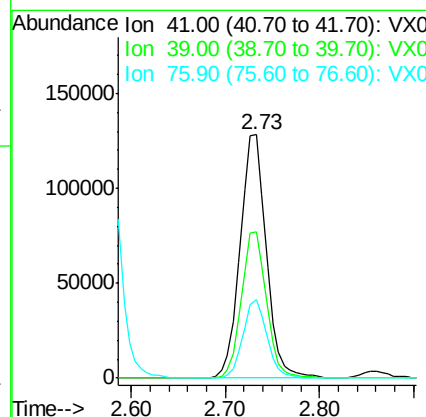
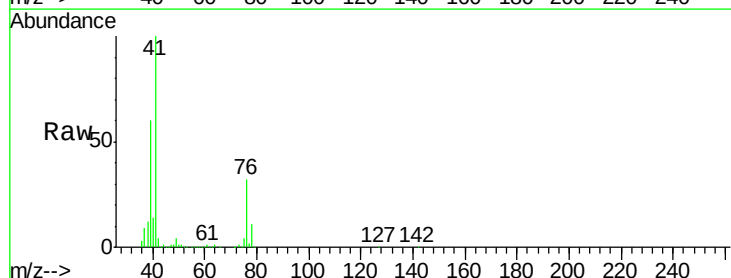
Manual Integrations
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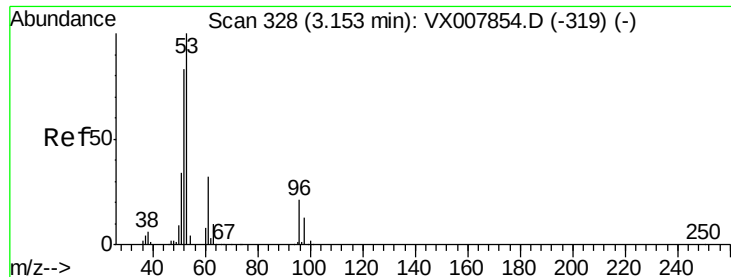
MMDadoda
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#14
Allyl chloride
Concen: 46.028 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	57.8	46.1	69.1
76	76	29.8	24.0	36.0





#15

Acrylonitrile

Concen: 232.501 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

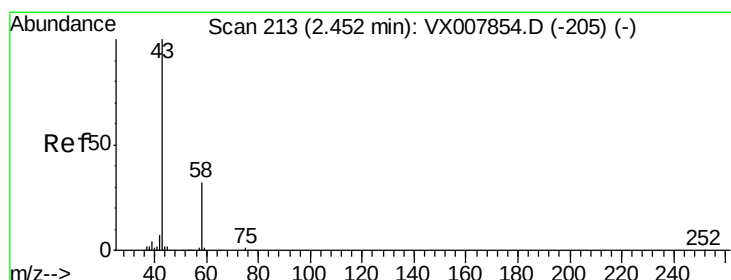
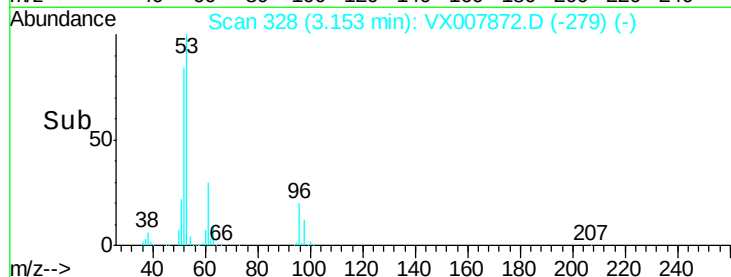
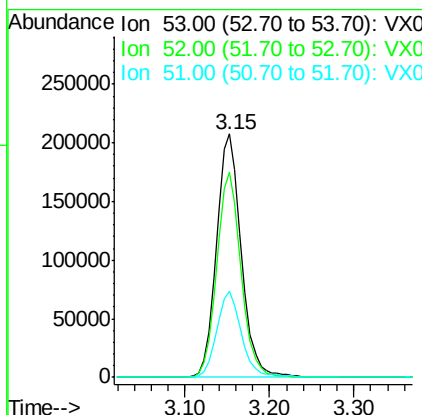
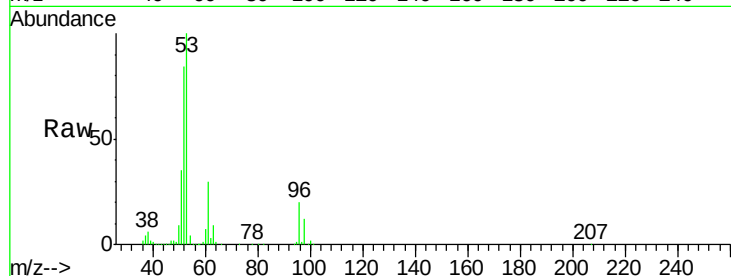
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	418748
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.0	99.0
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 188.429 ug/l

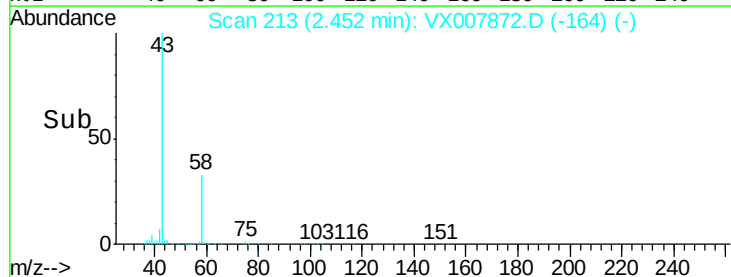
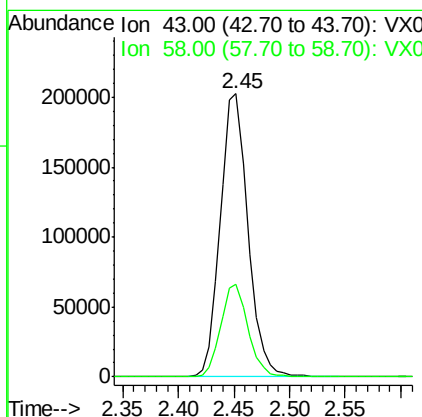
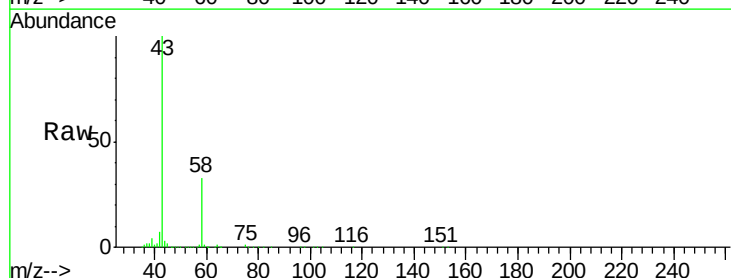
RT: 2.45 min Scan# 213

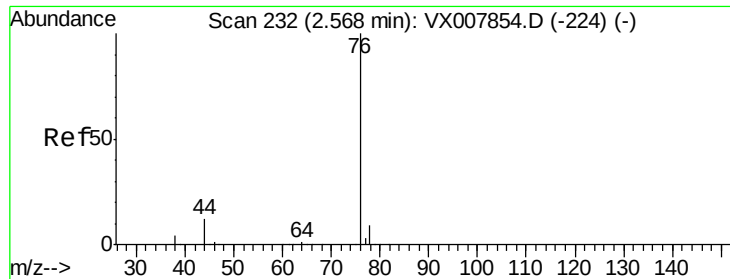
Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion:	43	Resp:	347990
Ion Ratio	Lower	Upper	
43	100		
58	32.9	25.5	38.3





#17

Carbon Disulfide

Concen: 47.731 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 373164

Ion Ratio Lower Upper

76 100

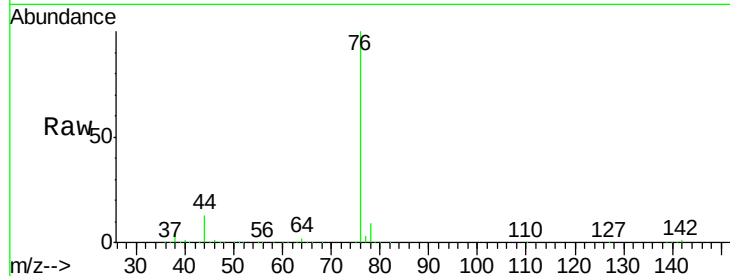
78 9.2 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

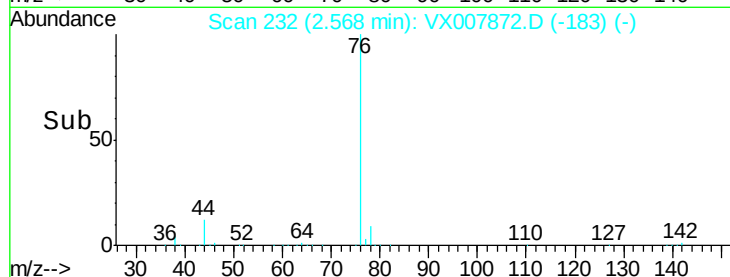
150000

100000

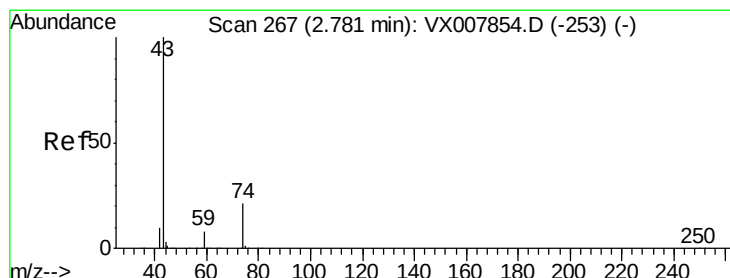
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 47.894 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007872.D

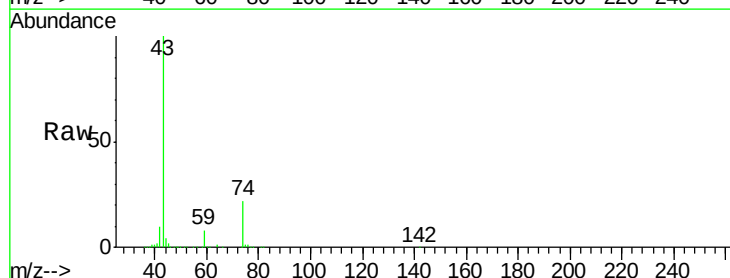
Acq: 06 Mar 2019 20:40

Tgt Ion: 43 Resp: 187907

Ion Ratio Lower Upper

43 100

74 21.9 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

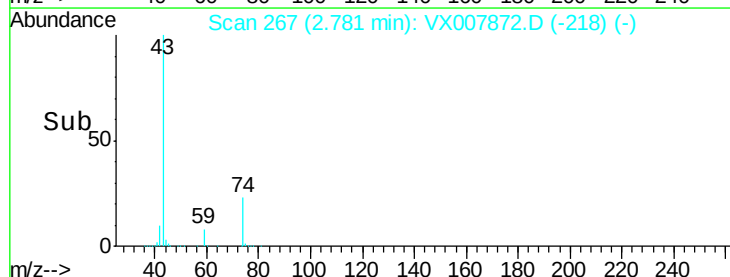
60000

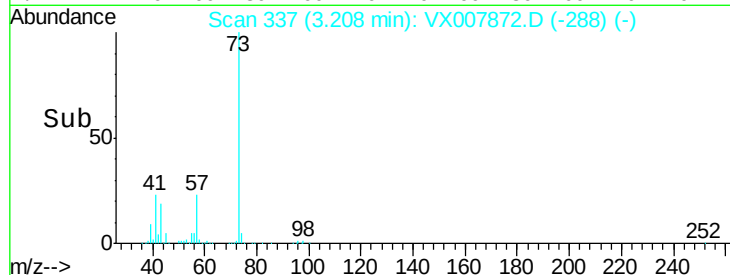
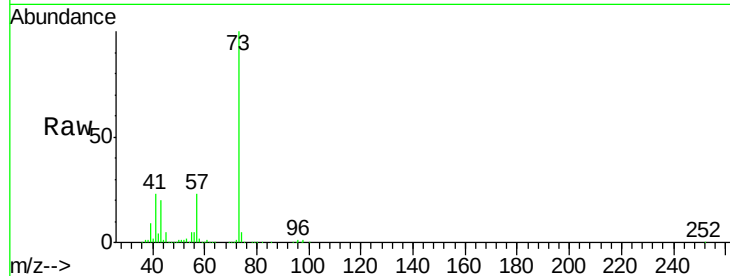
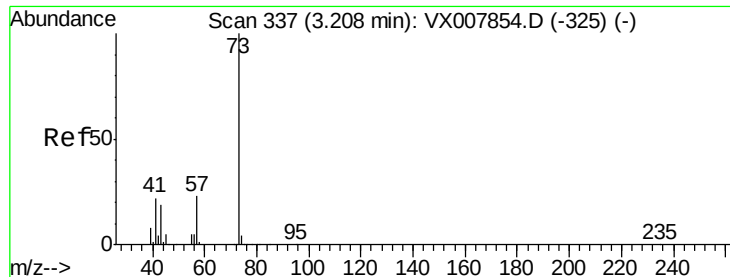
40000

20000

0

Time-->





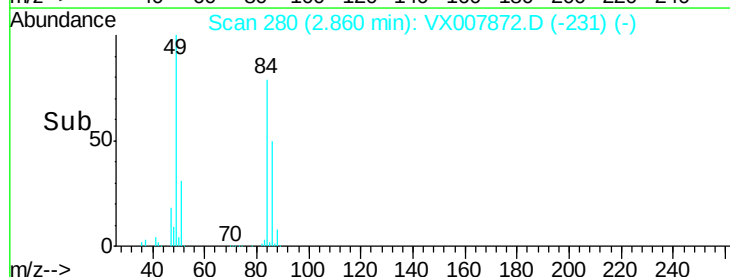
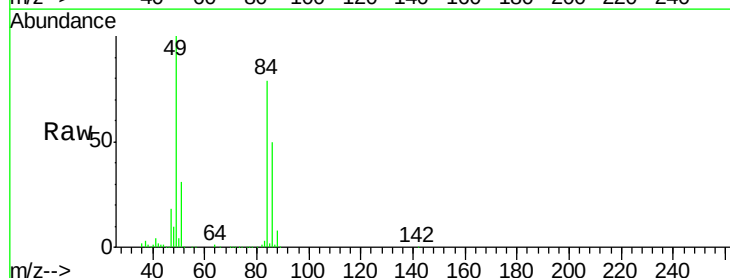
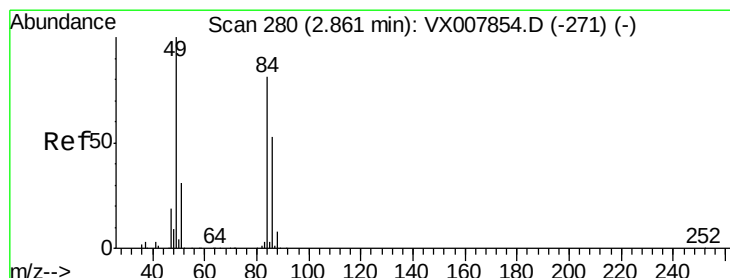
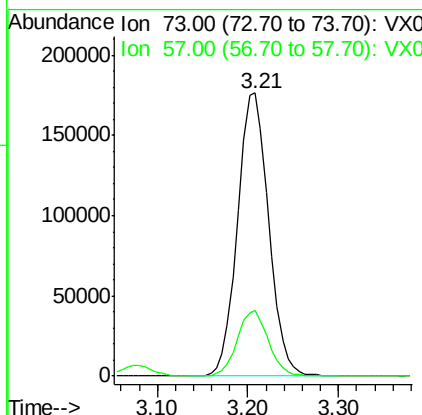
#19
Methyl tert-butyl Ether
Concen: 47.399 ug/l
RT: 3.21 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tot Ion: 73 Resp: 419623
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

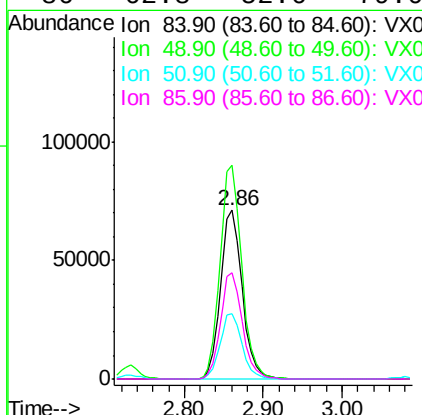
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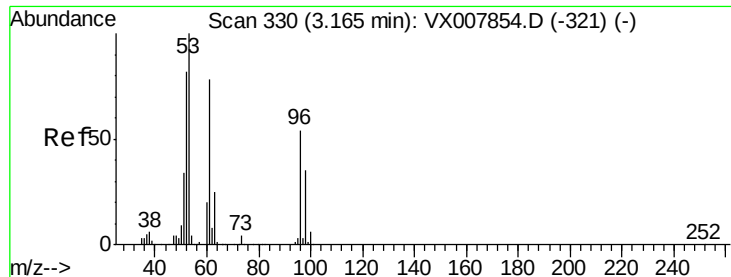
MMDadoda
3/7/2019 10:35:45 AM



#20
Methylene Chloride
Concen: 46.373 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion: 84 Resp: 136299
Ion Ratio Lower Upper
84 100
49 126.9 99.3 148.9
51 38.9 31.3 46.9
86 62.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 45.797 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 129676

Ion Ratio Lower Upper

96 100

61 140.3 114.4 171.6

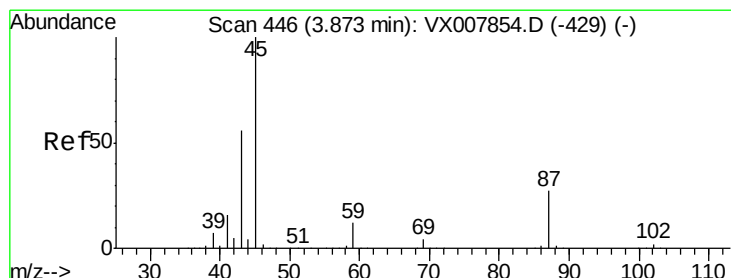
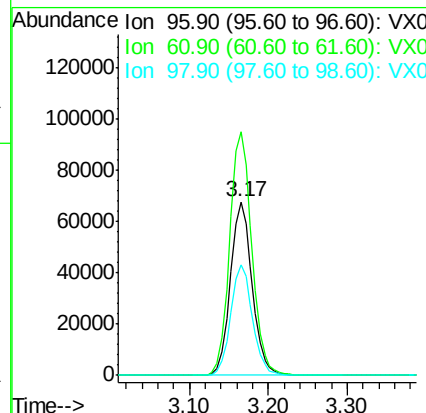
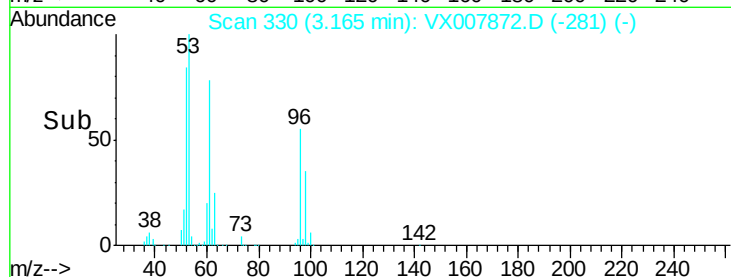
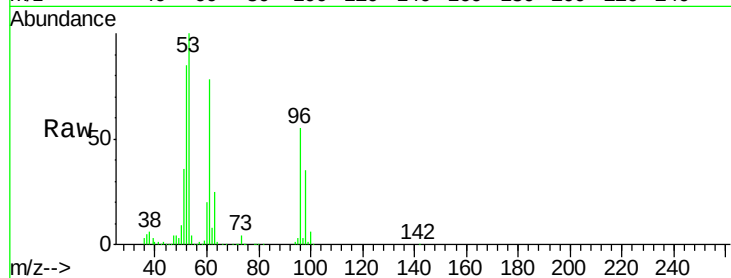
98 63.4 51.1 76.7

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#22

Diisopropyl ether

Concen: 47.934 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion: 45 Resp: 475142

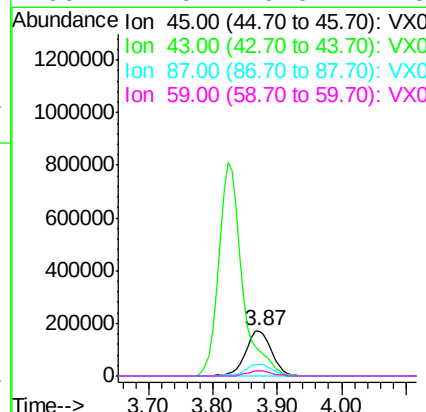
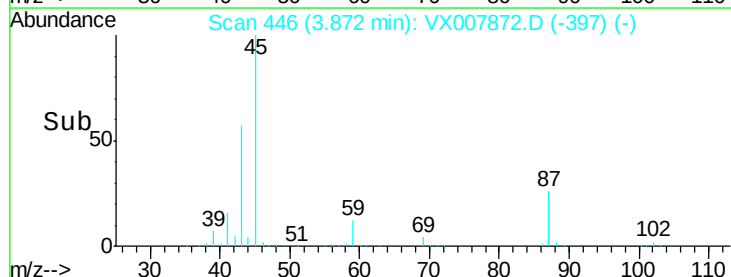
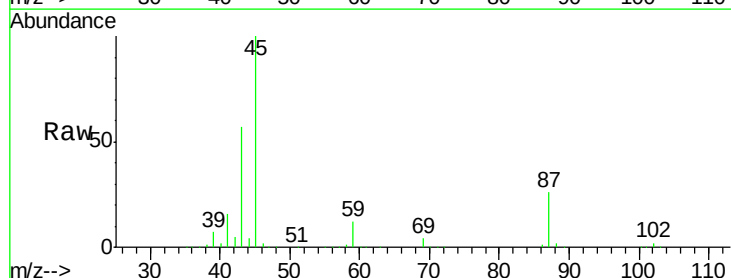
Ion Ratio Lower Upper

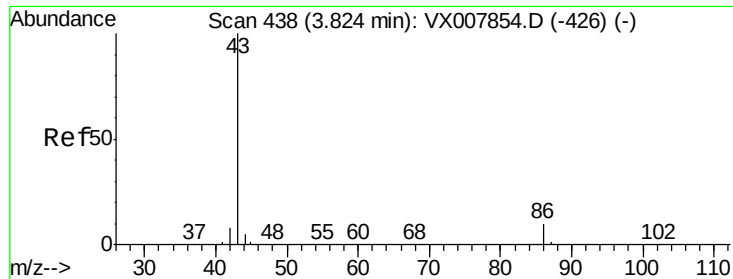
45 100

43 57.2 45.3 67.9

87 26.5 21.4 32.0

59 11.5 9.5 14.3





#23

Vinyl Acetate

Concen: 238.587 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2073920

Ion Ratio Lower Upper

43 100

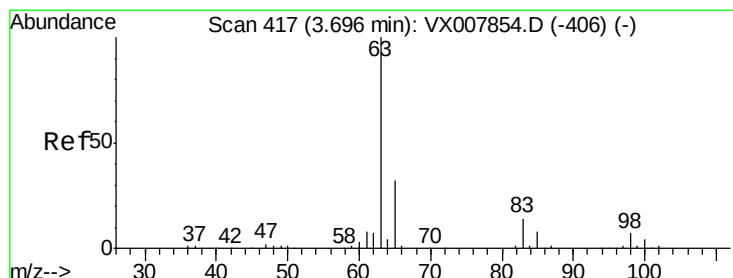
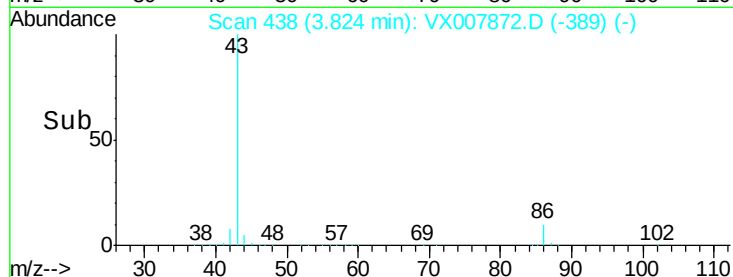
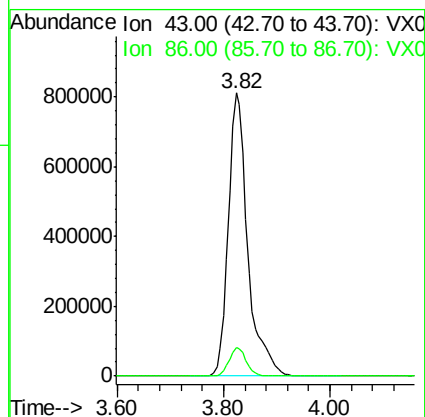
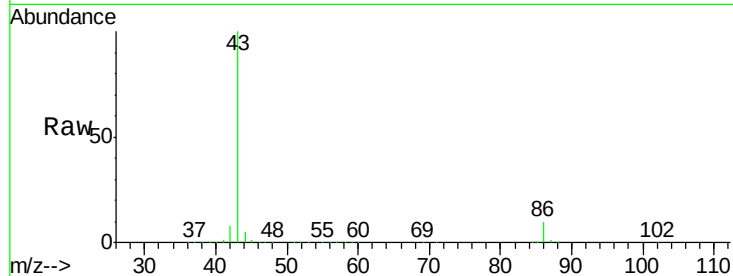
86 10.0 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.174 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

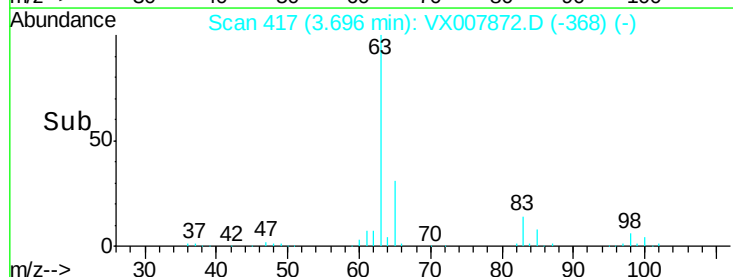
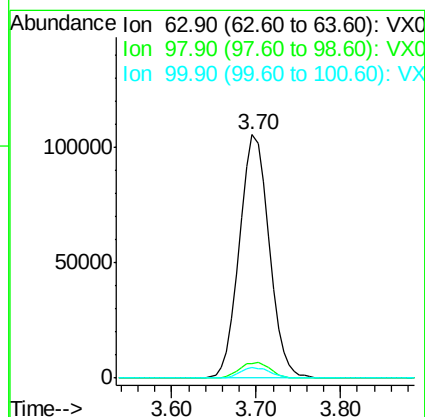
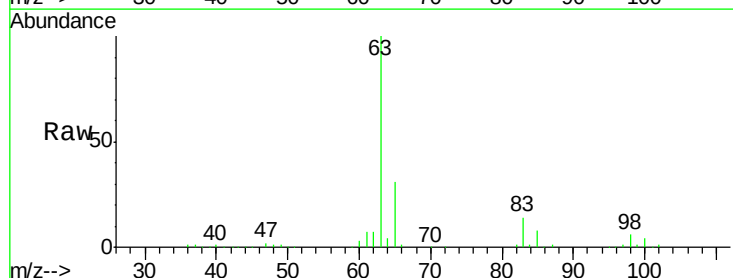
Tgt Ion: 63 Resp: 251643

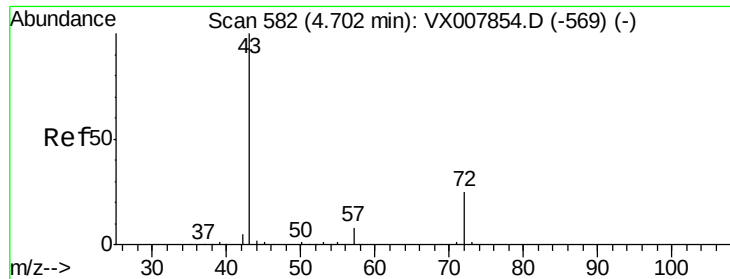
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.2 2.3 6.8





#25

2-Butanone

Concen: 223.561 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 584519

Ion Ratio Lower Upper

43 100

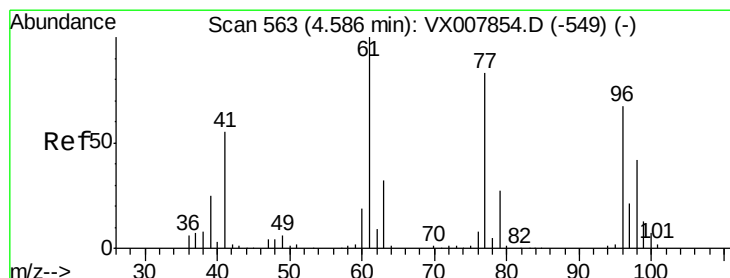
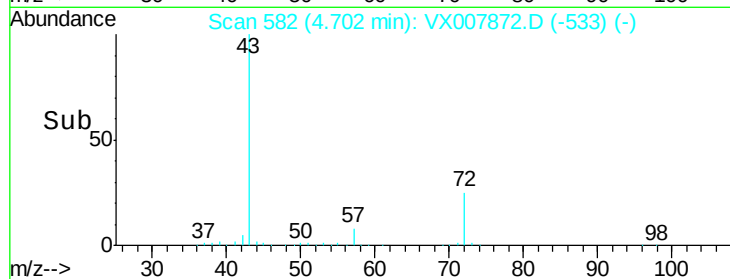
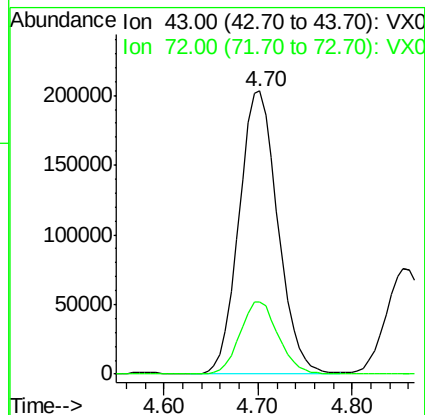
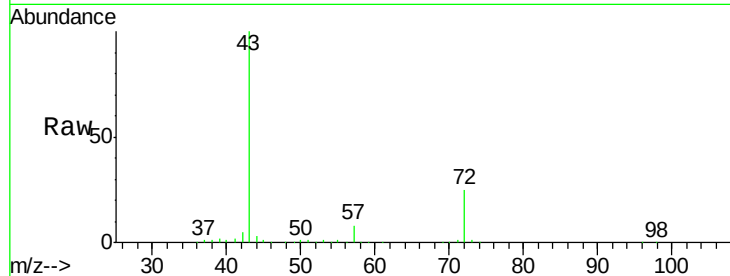
72 25.3 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.137 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007872.D

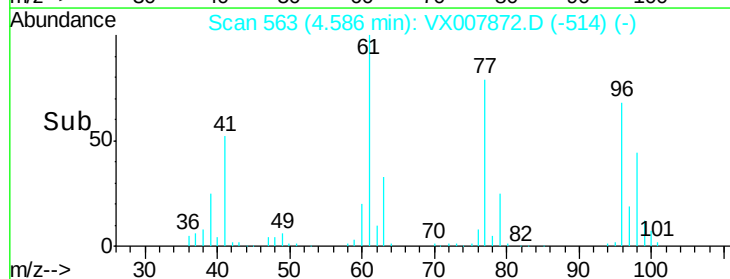
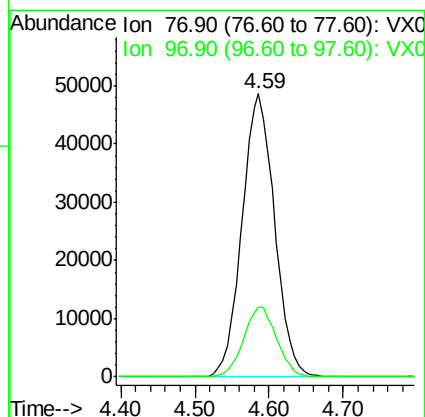
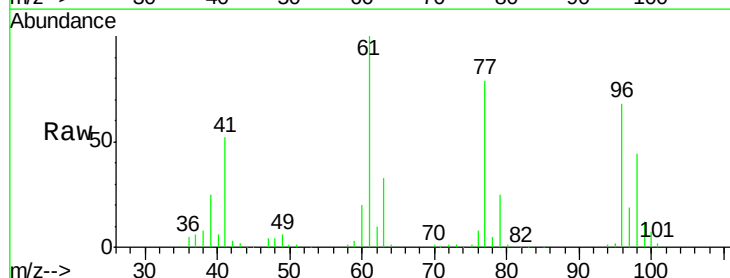
Acq: 06 Mar 2019 20:40

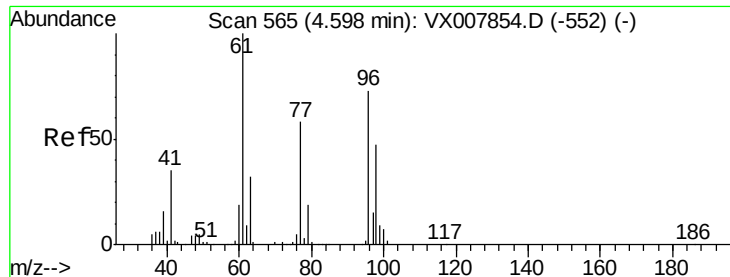
Tgt Ion: 77 Resp: 148917

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.6





#27

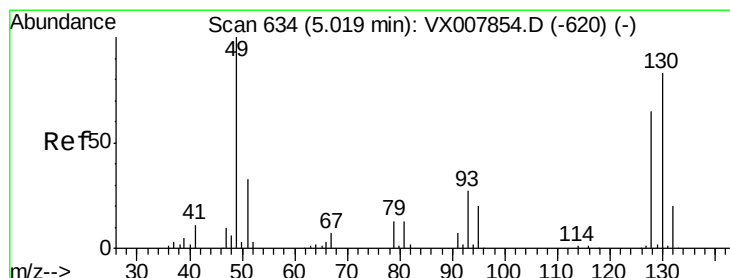
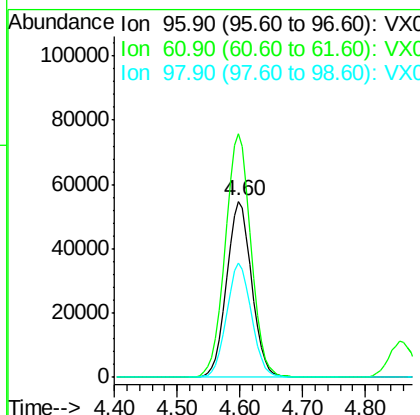
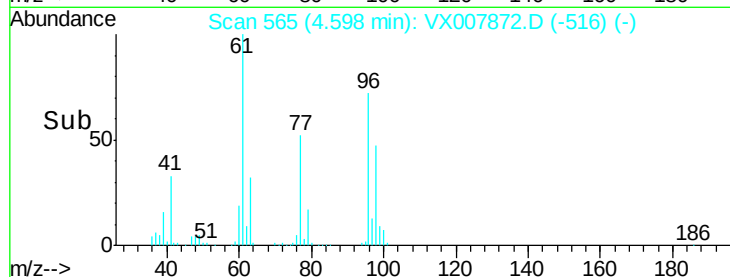
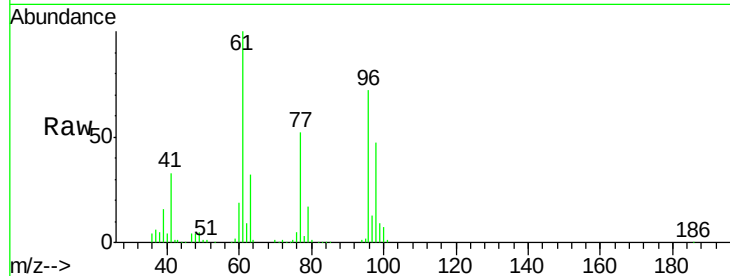
cis-1,2-Dichloroethene
Concen: 46.689 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	151279		
61	142.2	0.0	288.0	
98	64.3	0.0	129.0	

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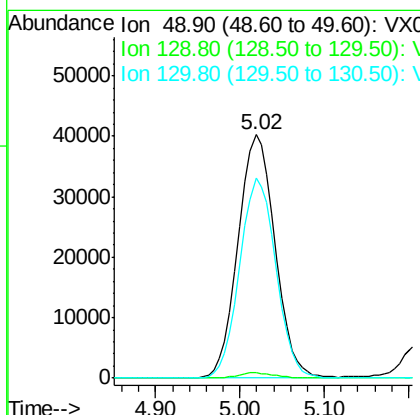
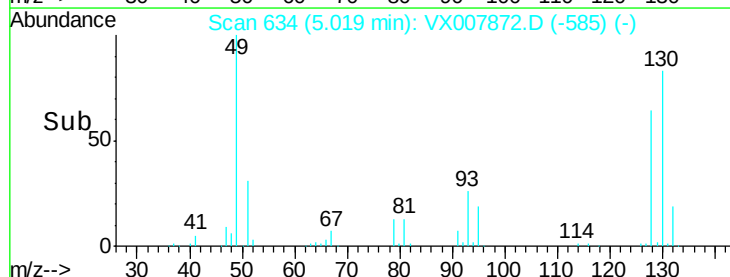
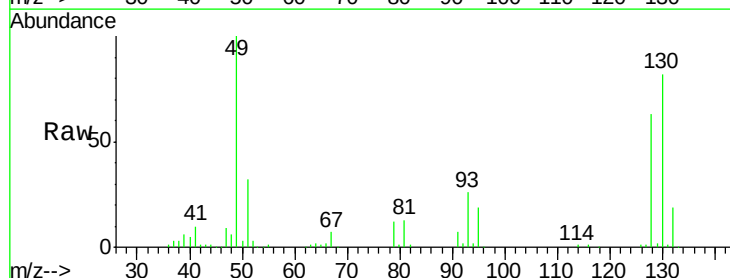
MMDadoda
3/7/2019 10:35:45 AM

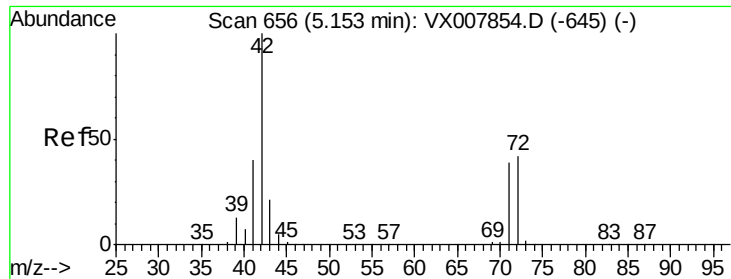


#28

Bromochloromethane
Concen: 48.312 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120148		
129	2.1	0.0	4.0	
130	80.7	65.0	97.4	





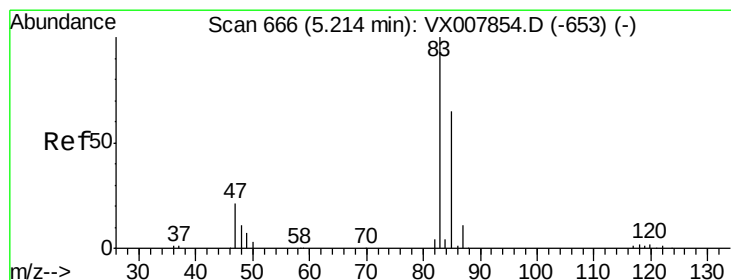
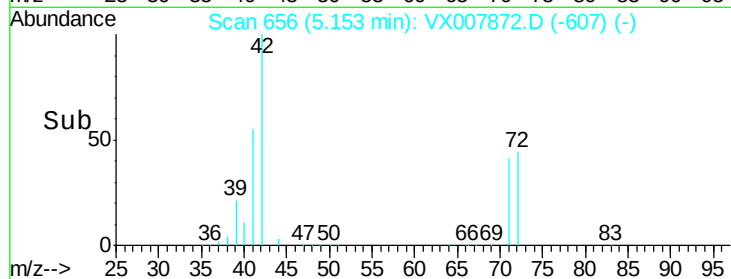
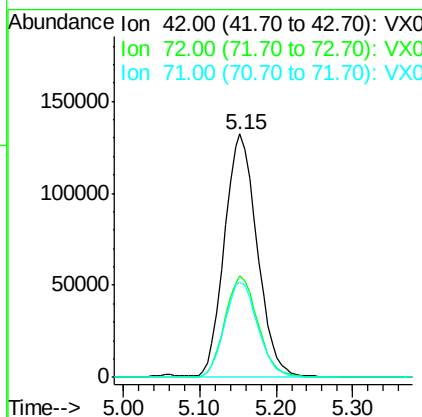
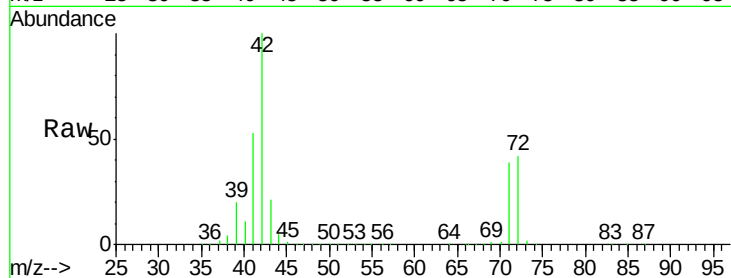
#29
Tetrahydrofuran
Concen: 239.649 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.8	50.6
71	39.6	31.5	47.3

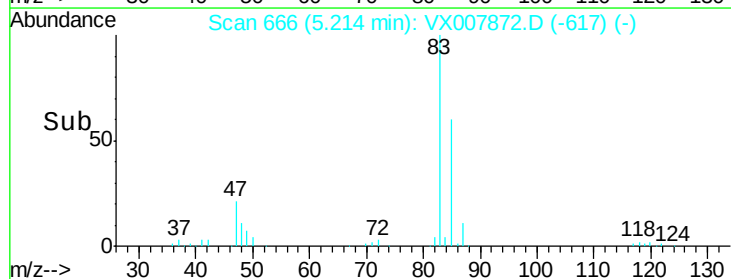
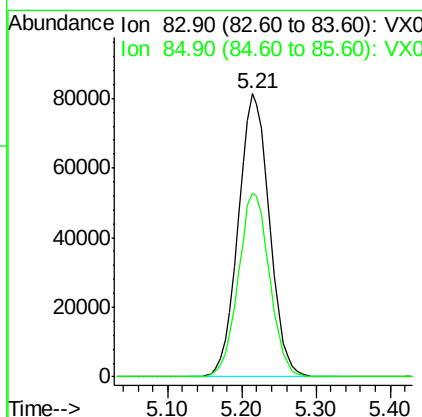
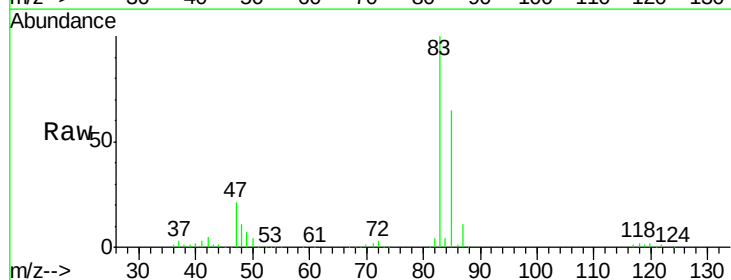
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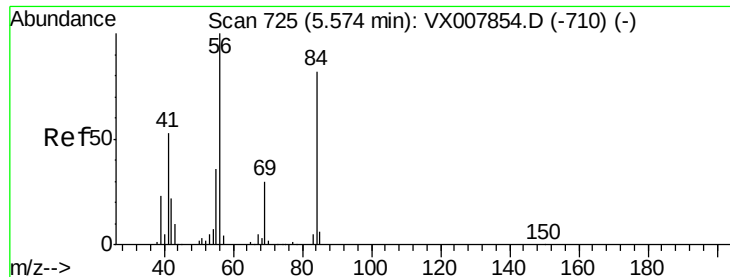
MMDadoda
3/7/2019 10:35:45 AM



#30
Chloroform
Concen: 47.360 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6





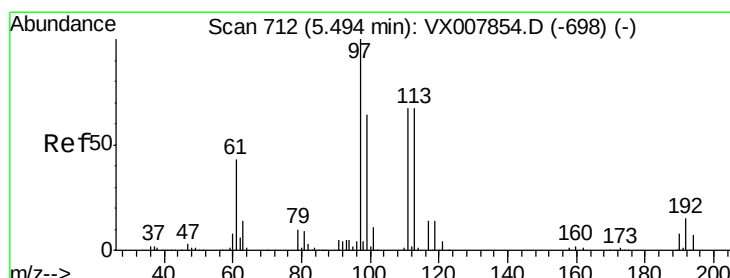
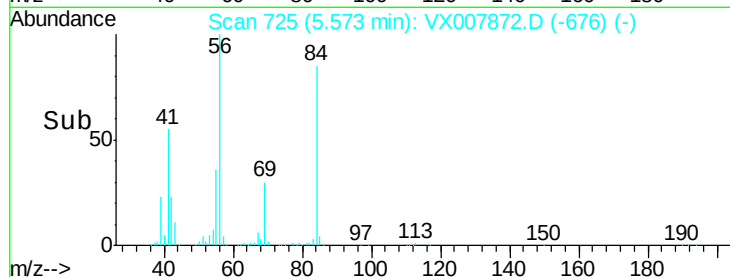
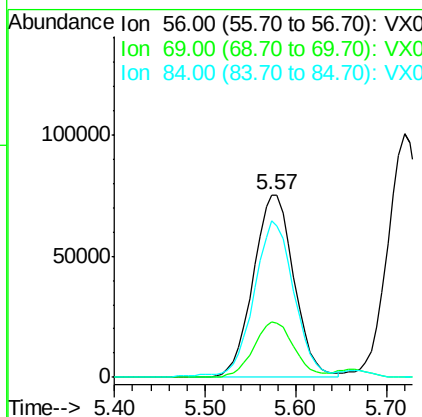
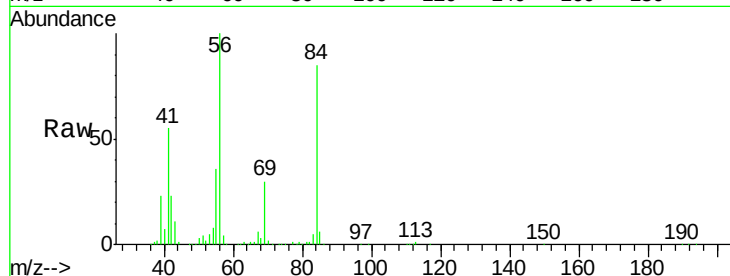
#31
Cyclohexane
Concen: 47.763 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.0	36.0
84	84.5	65.3	97.9

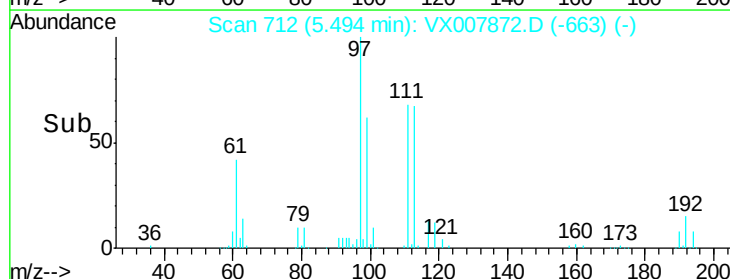
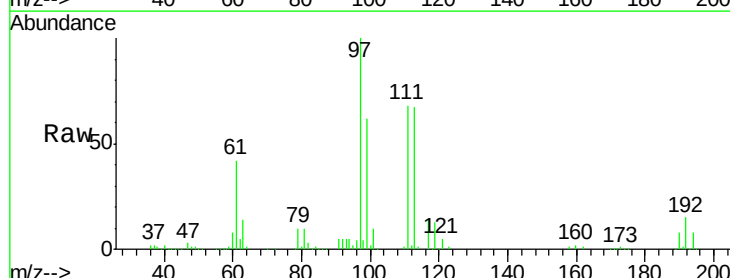
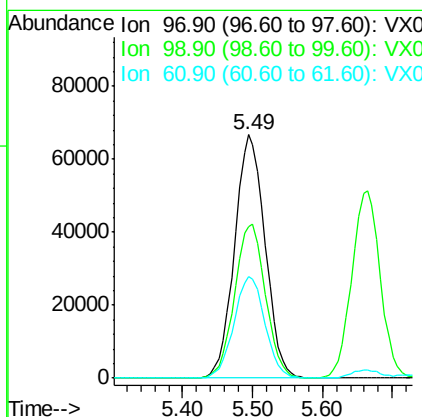
Manual Integrations
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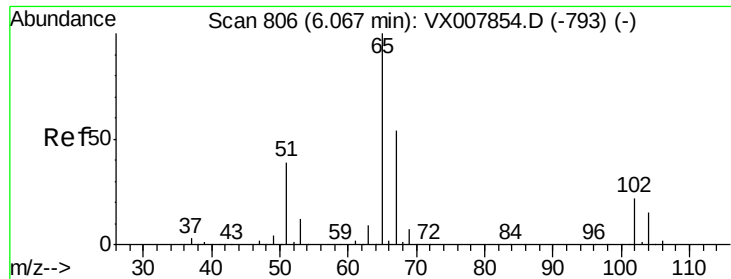
MMDadoda
3/7/2019 10:35:45 AM



#32
1,1,1-Trichloroethane
Concen: 48.172 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.2	78.2
61	42.5	34.9	52.3





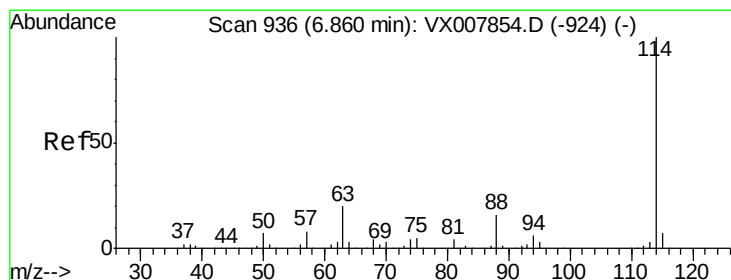
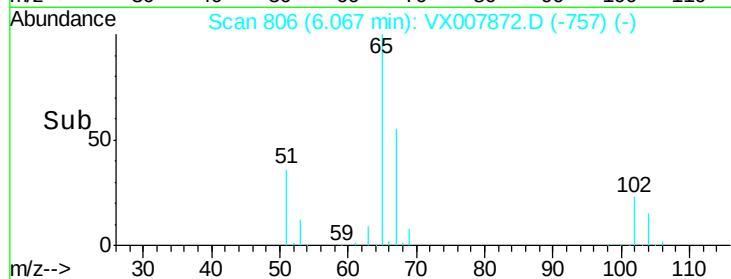
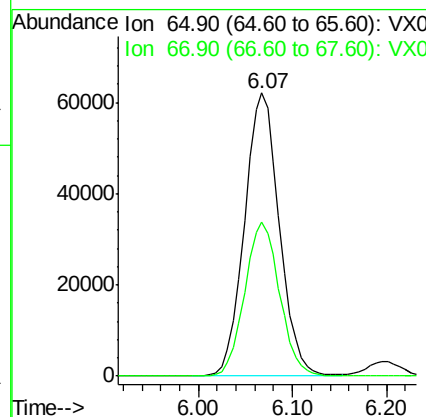
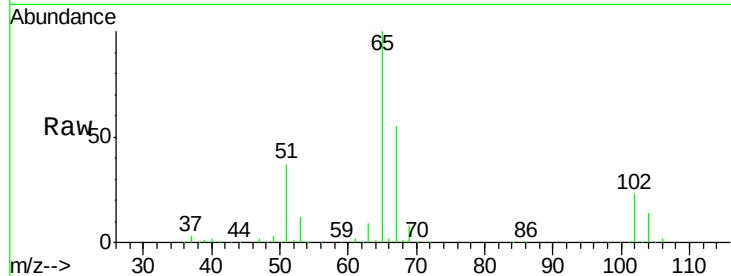
#33
 1,2-Dichloroethane-d4
 Concen: 50.335 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	110.0

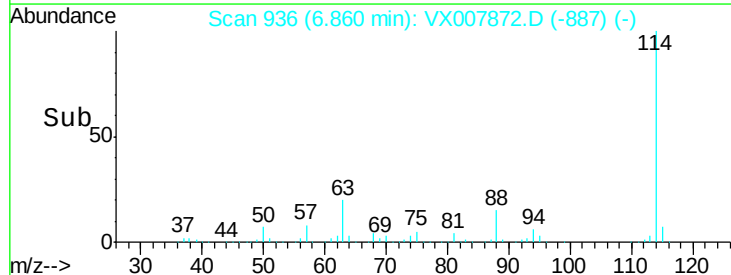
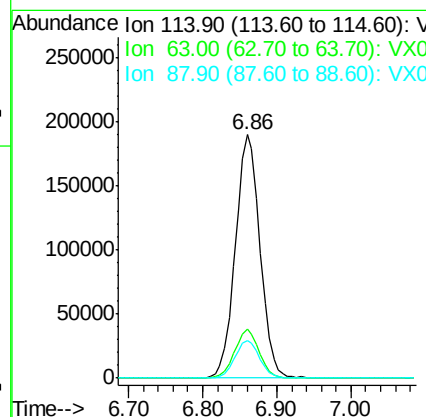
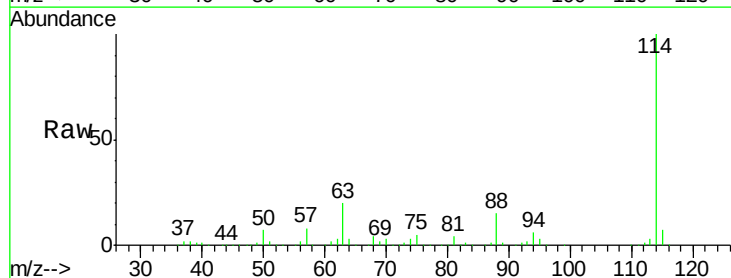
Manual Integrations
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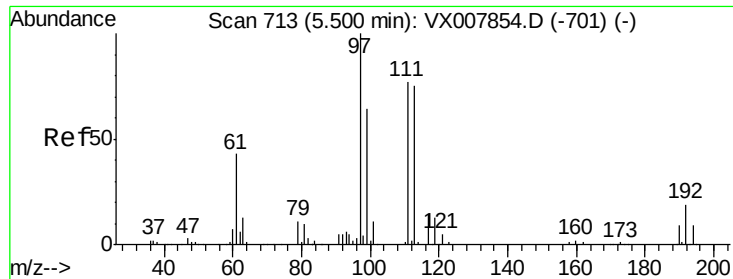
MMDadoda
 3/7/2019 10:35:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.8
88	15.4	0.0	31.4





#35

Dibromofluoromethane

Concen: 50.295 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

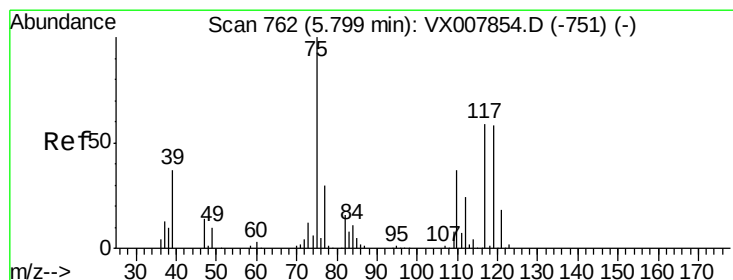
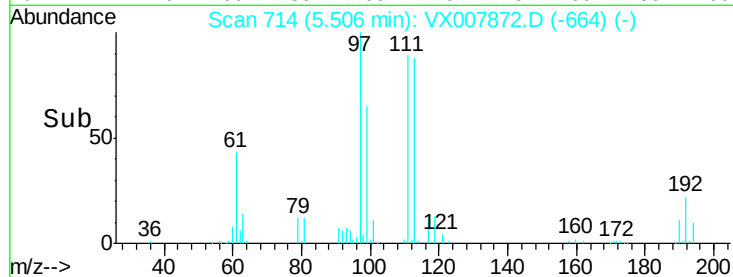
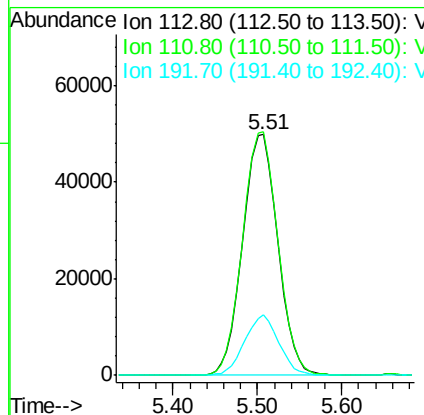
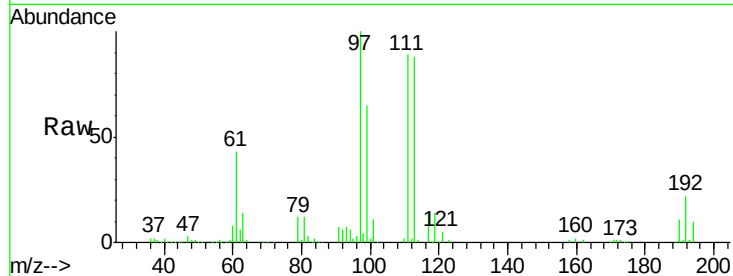
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	141710
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.4	122.0
192	24.2	19.4	29.0

Manual Integrations
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3/7/2019 10:35:45 AM



#36

1,1-Dichloropropene

Concen: 45.935 ug/l

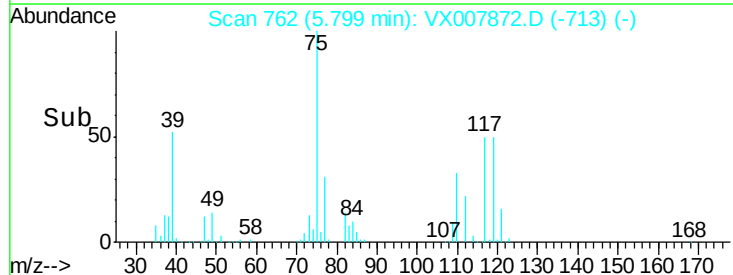
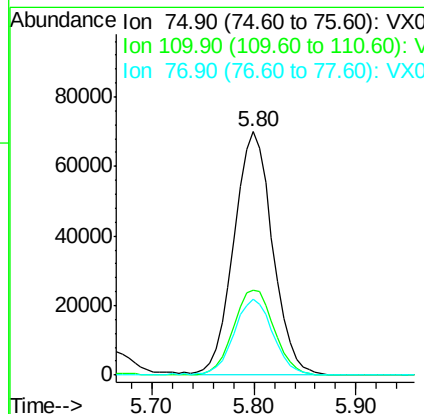
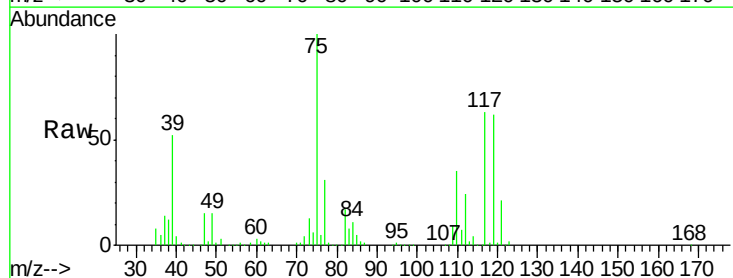
RT: 5.80 min Scan# 762

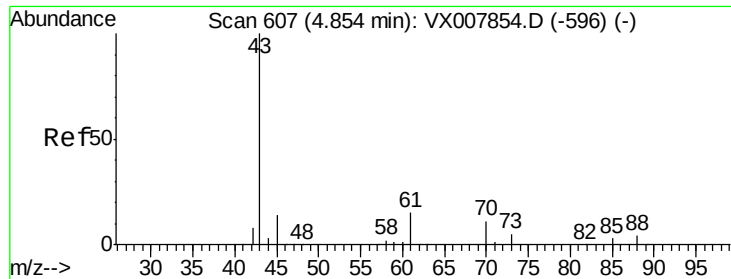
Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion:	75	Resp:	183205
Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.0
77	31.6	25.0	37.4





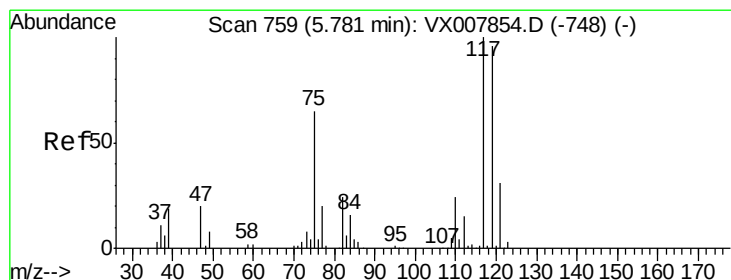
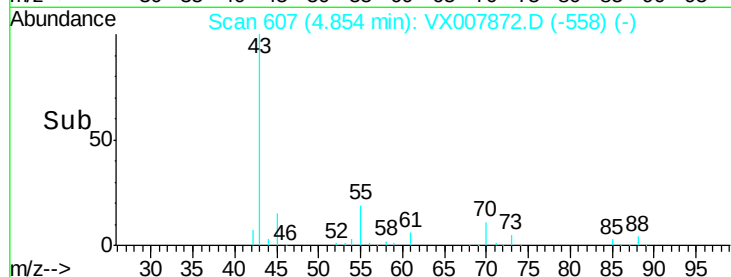
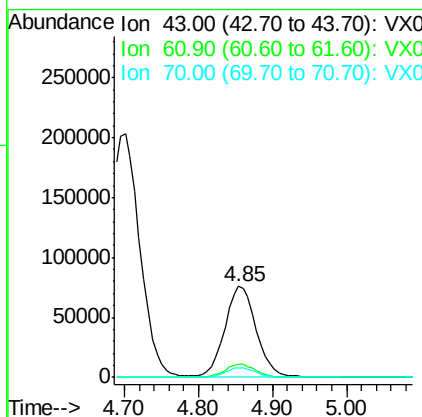
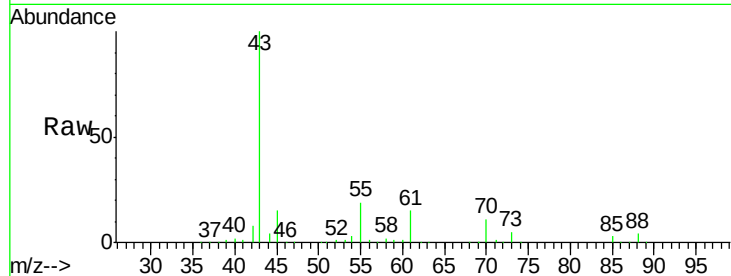
#37
Ethyl Acetate
Concen: 46.979 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion:	43	Resp:	222353
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.3	16.9
70	10.6	8.5	12.7

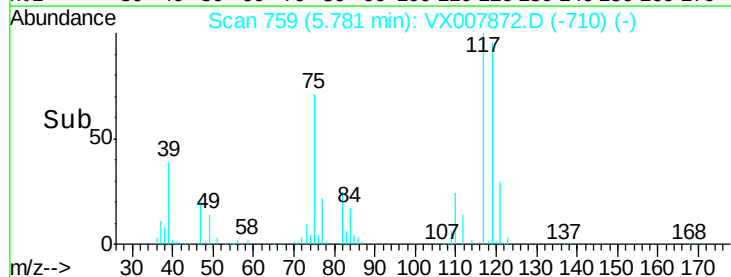
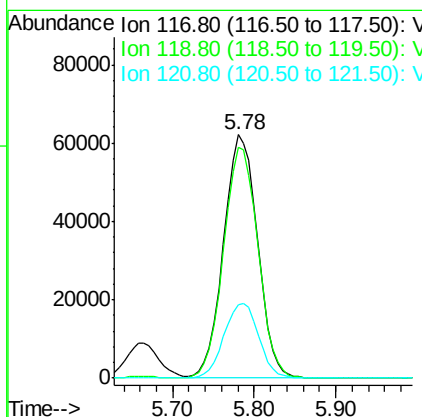
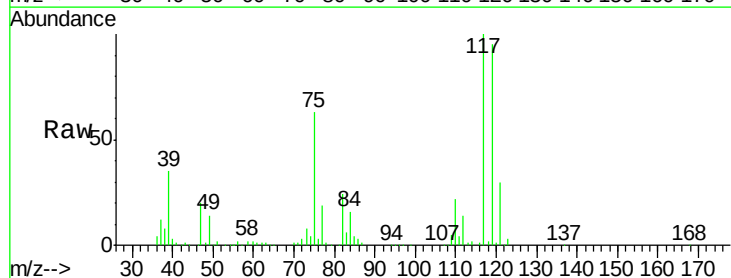
Manual Integrations
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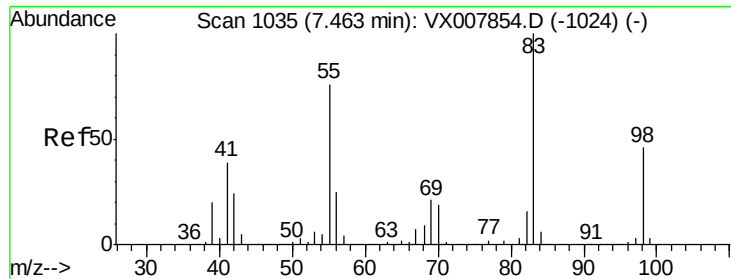
MMDadoda
3/7/2019 10:35:45 AM



#38
Carbon Tetrachloride
Concen: 47.322 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion:	117	Resp:	179183
Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.2	114.2
121	30.3	24.6	36.8





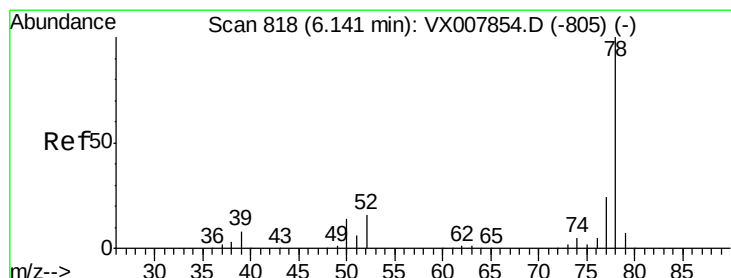
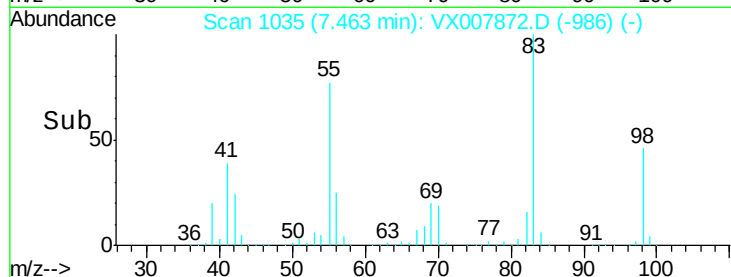
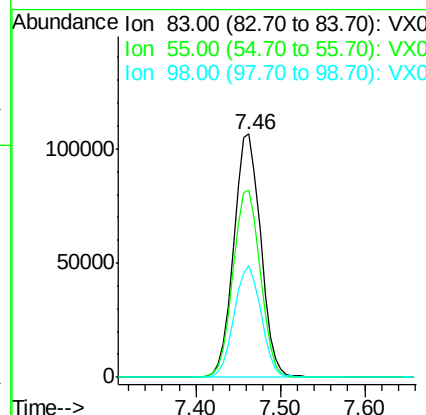
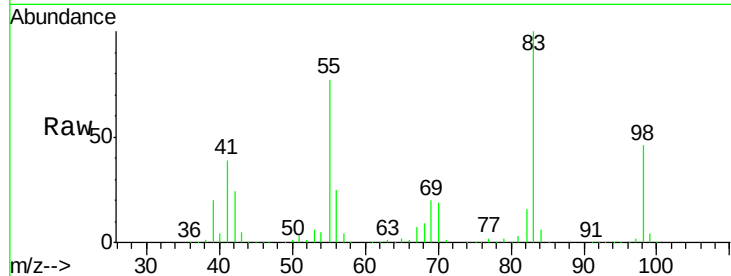
#39
Methylvlcyclohexane
Concen: 47.770 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	60.4	90.6
98	46.0	36.5	54.7

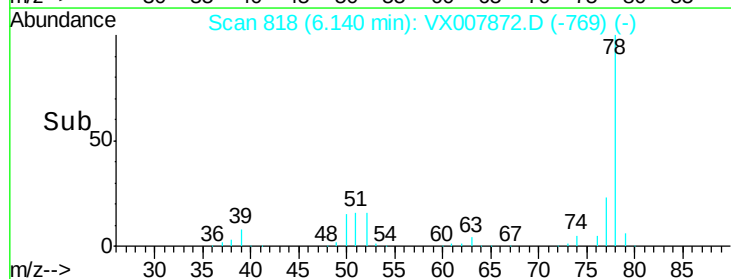
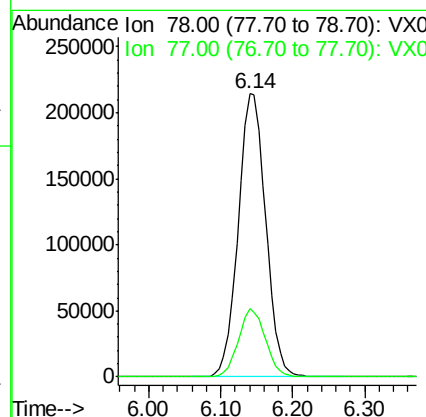
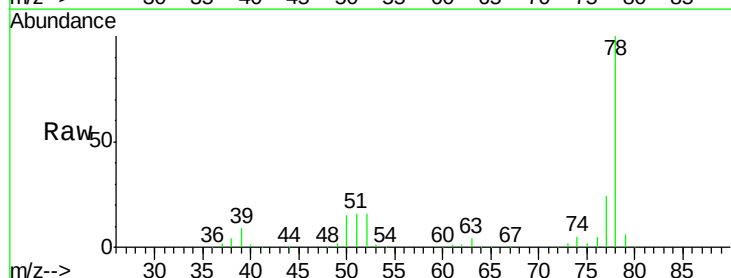
Manual Integrations
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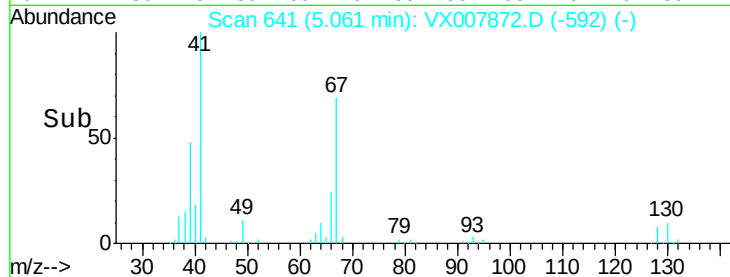
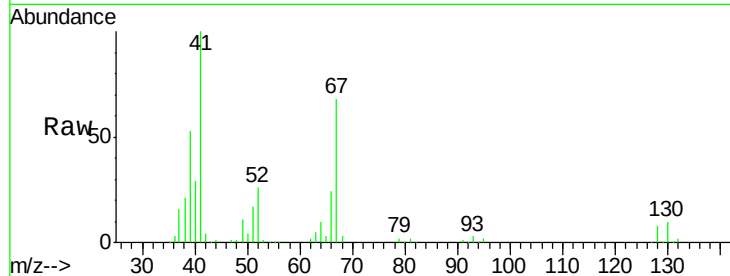
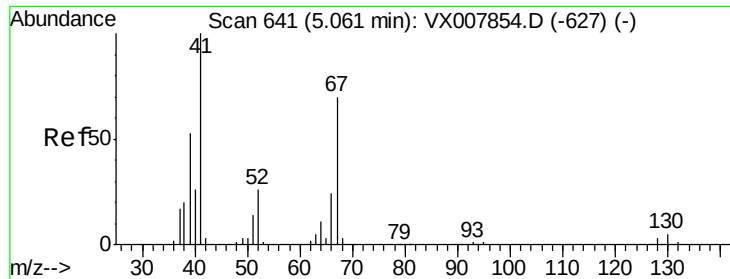
MMDadoda
3/7/2019 10:35:45 AM



#40
Benzene
Concen: 47.717 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 48.088 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tot Ion:	41	Resp:	124087
Ion Ratio	Lower	Upper	
41	100		
39	53.8	41.6	62.4
67	69.5	55.8	83.6
52	27.9	21.7	32.5

Instrument :

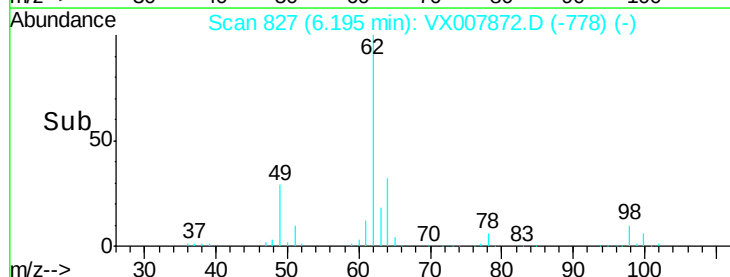
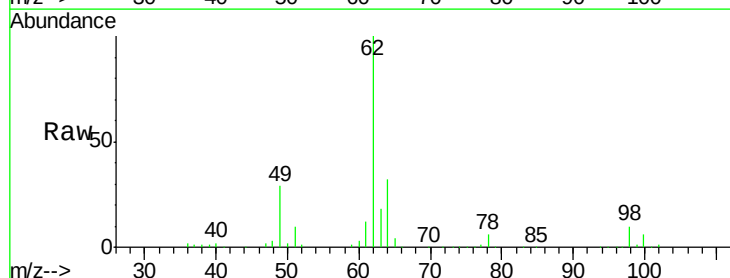
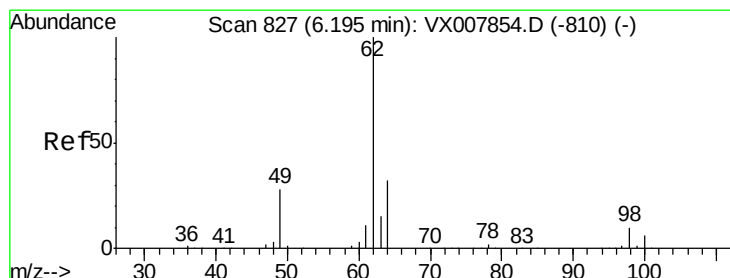
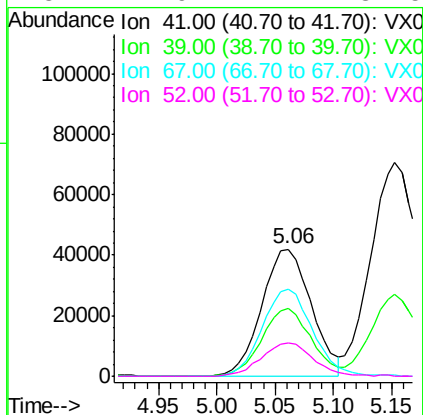
MSVOA_X

ClientSampled :

VSTDCCC050EC

Manual Integrations
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3/7/2019 10:35:45 AM



#42

1,2-Dichloroethane

Concen: 47.062 ug/l

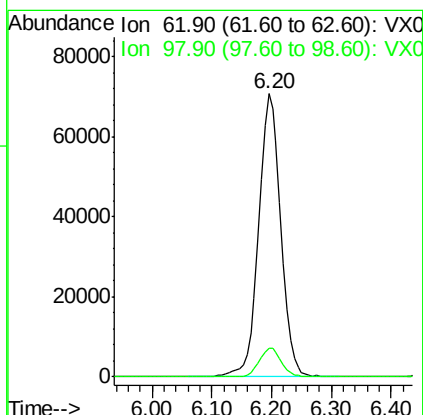
RT: 6.20 min Scan# 827

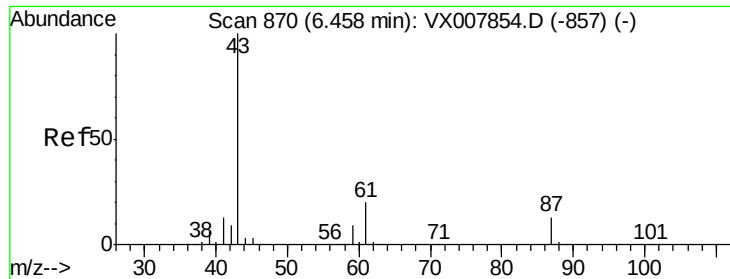
Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion:	62	Resp:	182743
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	20.4





#43

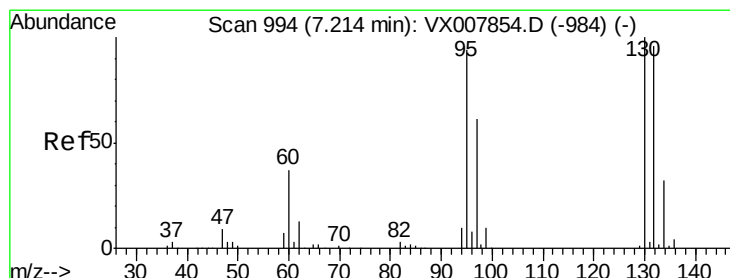
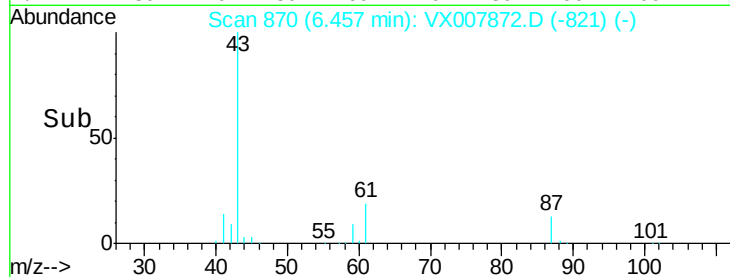
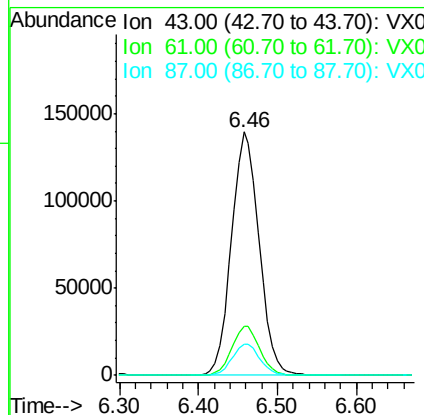
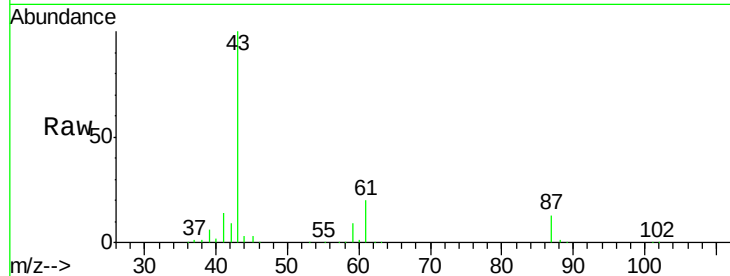
Isopropyl Acetate
 Concen: 48.479 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.3	24.5
87	13.0	10.5	15.7

Manual Integrations
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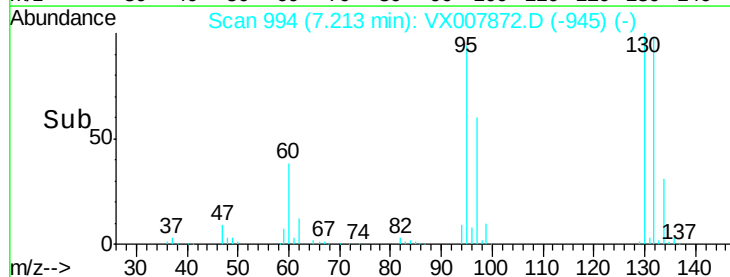
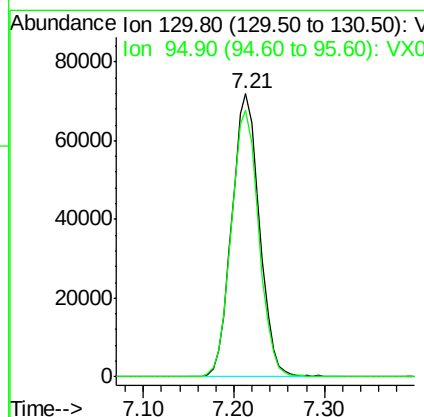
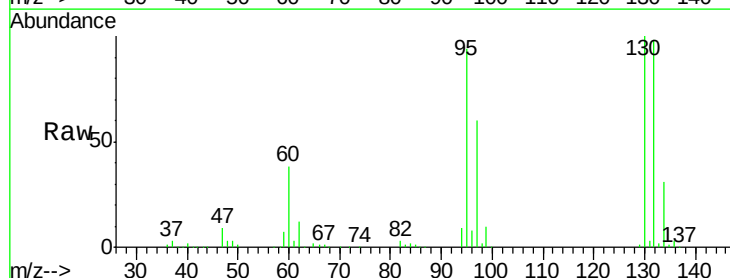
MMDadoda
 3/7/2019 10:35:45 AM

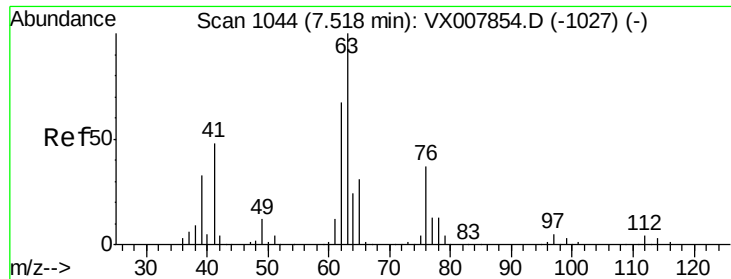


#44

Trichloroethene
 Concen: 46.474 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	188.0





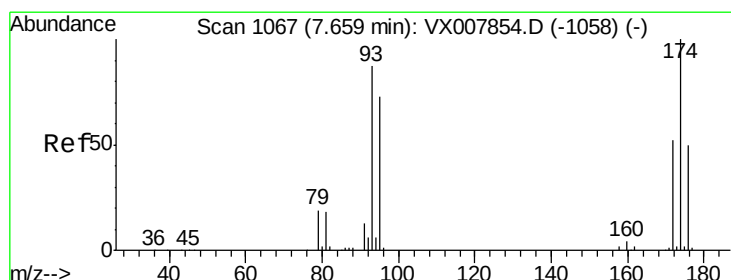
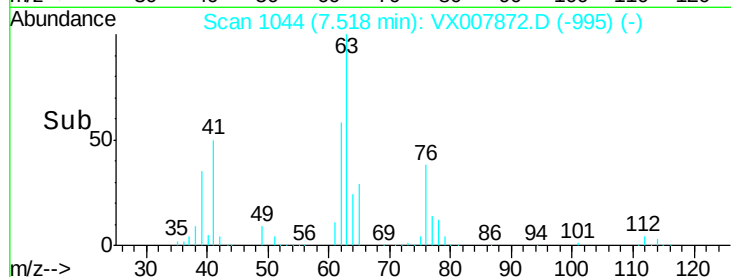
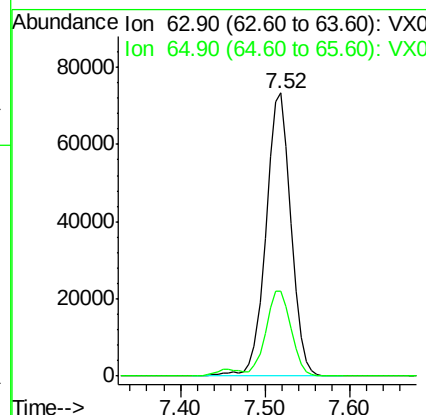
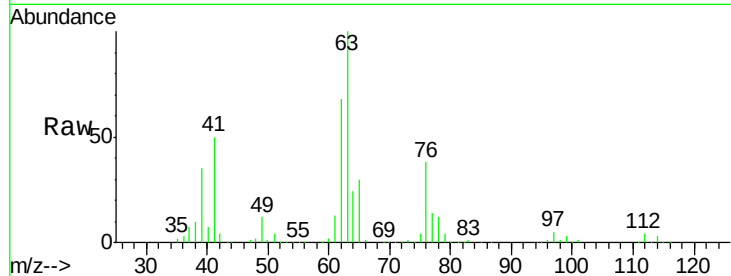
#45
 1,2-Dichloropropane
 Concen: 47.796 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 149891
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.7 37.1

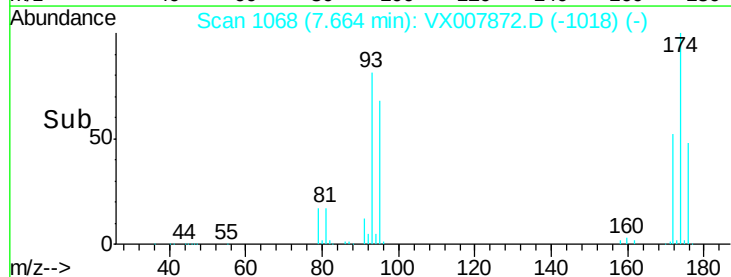
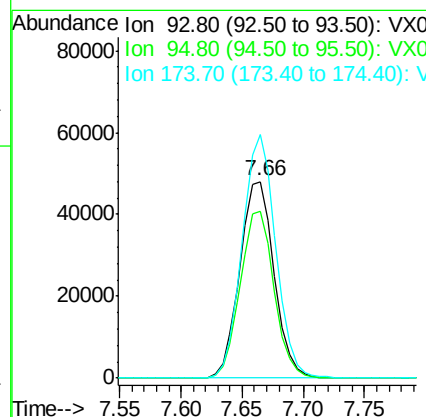
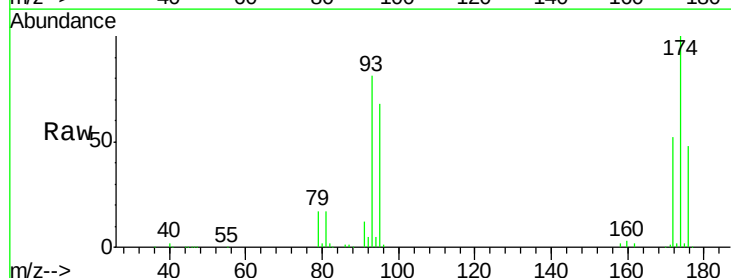
Manual Integrations
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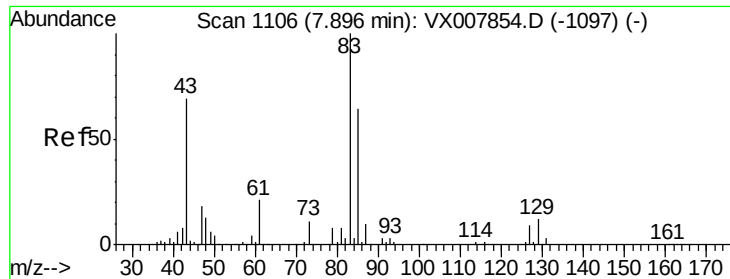
MMDadoda
 3/7/2019 10:35:45 AM



#46
 Dibromomethane
 Concen: 47.075 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion: 93 Resp: 93427
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.8 100.2
 174 121.2 97.3 145.9





#47

Bromodichloromethane

Concen: 47.839 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

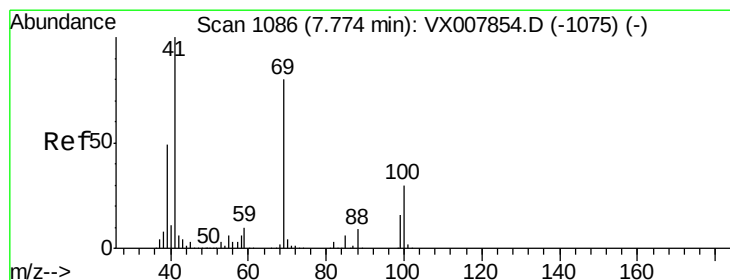
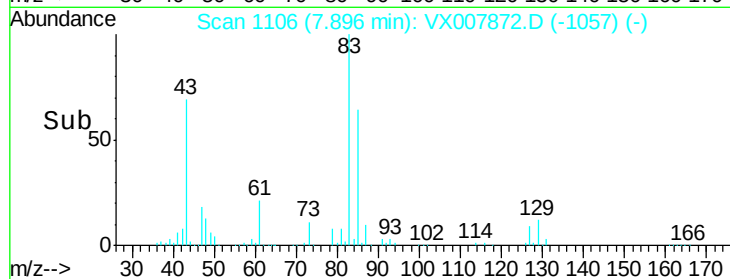
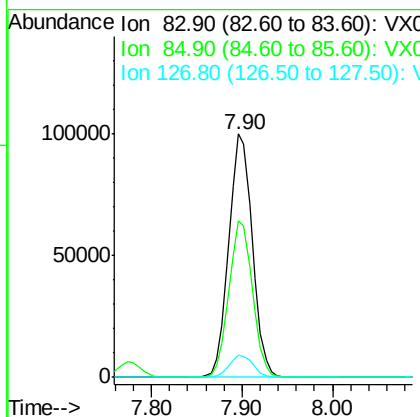
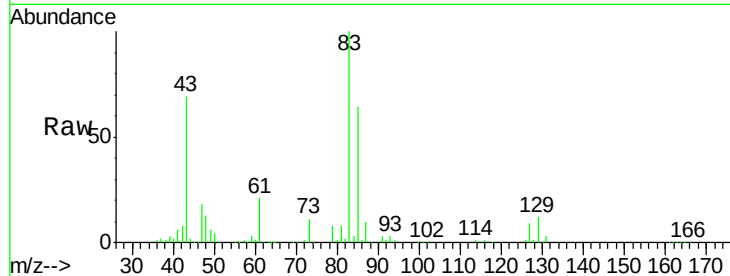
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	180010
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.9	76.3
127	9.2	7.4	11.0

Manual Integrations
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3/7/2019 10:35:45 AM



#48

Methyl methacrylate

Concen: 48.584 ug/l

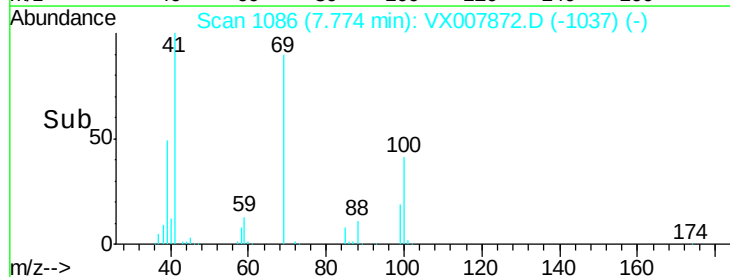
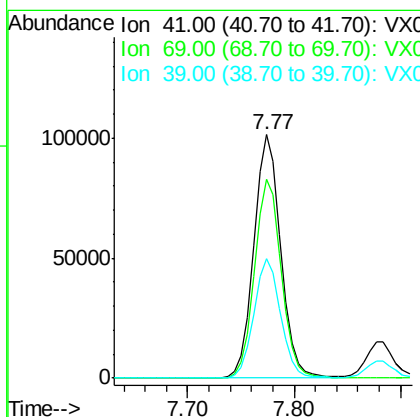
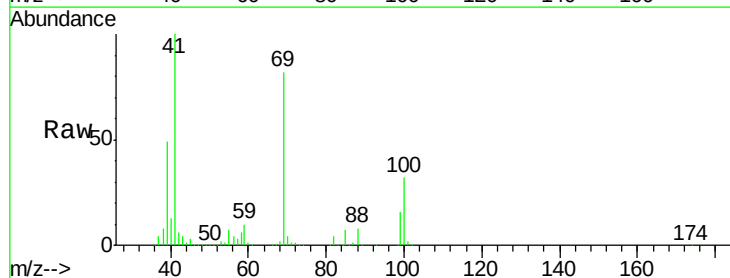
RT: 7.77 min Scan# 1086

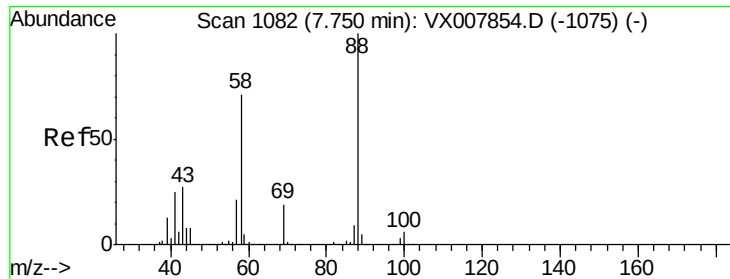
Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion:	41	Resp:	178925
Ion	Ratio	Lower	Upper
41	100		
69	82.0	65.2	97.8
39	48.9	39.4	59.2





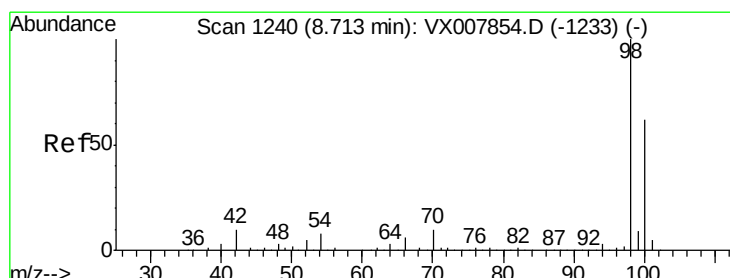
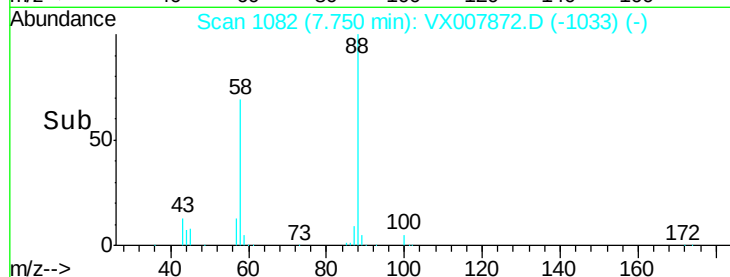
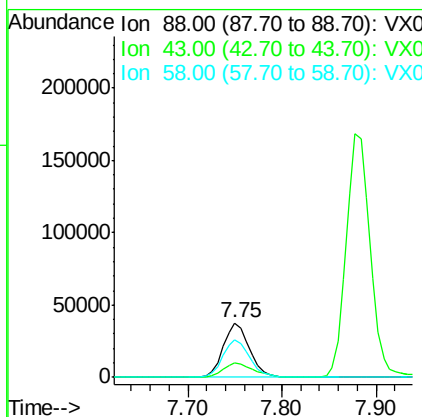
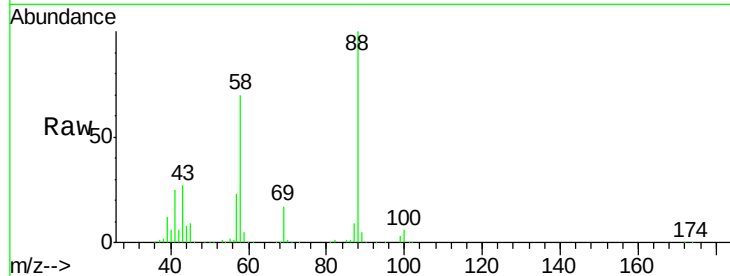
#49
1,4-Dioxane
Concen: 952.504 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	25.1	37.7
58	71.8	57.8	86.6

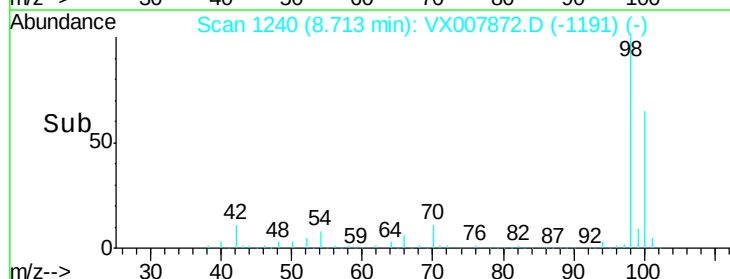
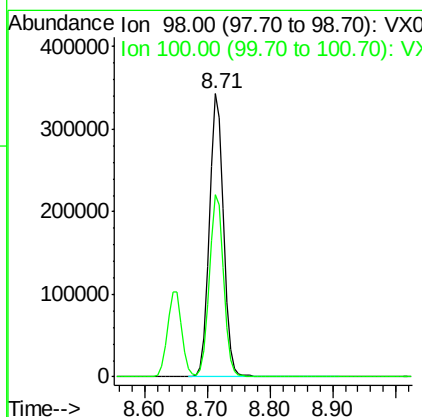
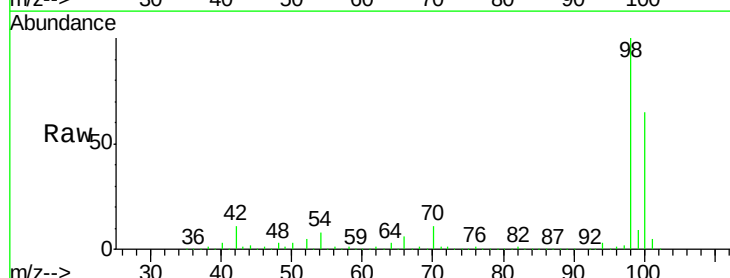
Manual Integrations
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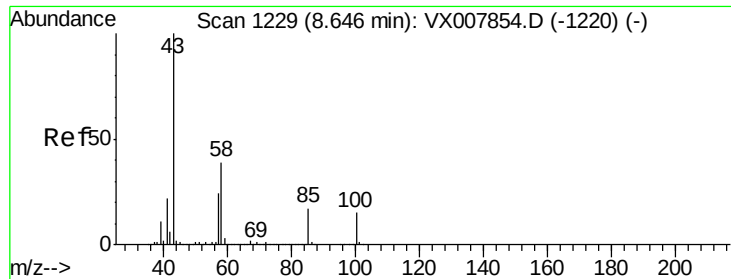
MMDadoda
3/7/2019 10:35:45 AM



#50
Toluene-d8
Concen: 51.621 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 242.846 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1093952

Ion Ratio Lower Upper

43 100

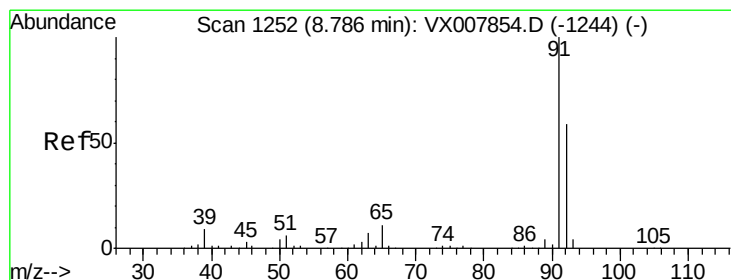
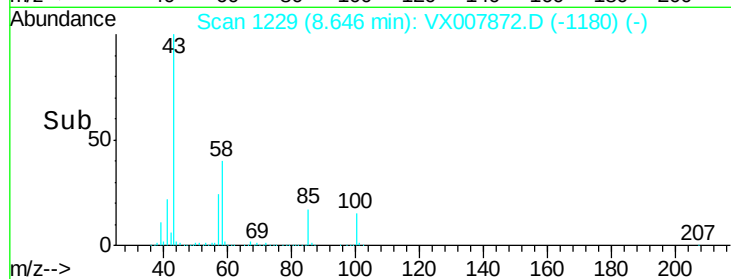
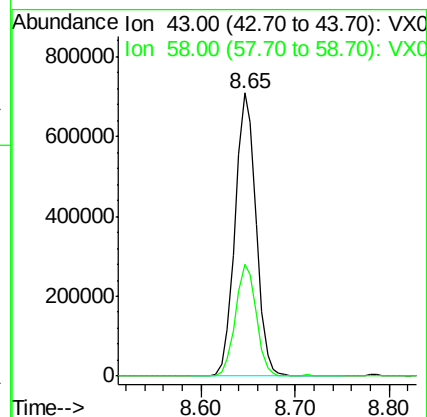
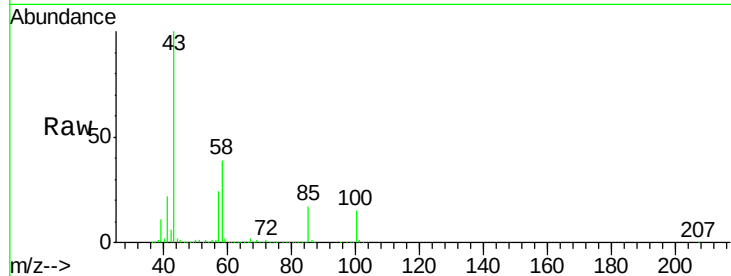
58 39.3 31.3 46.9

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#52

Toluene

Concen: 48.259 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007872.D

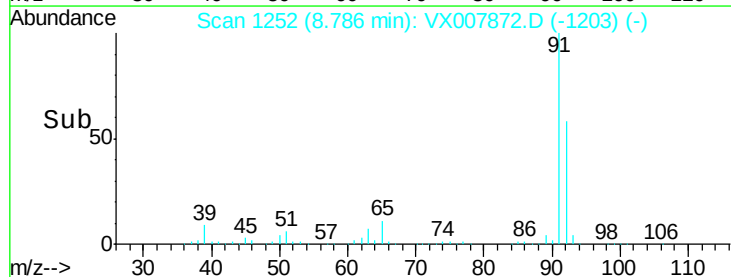
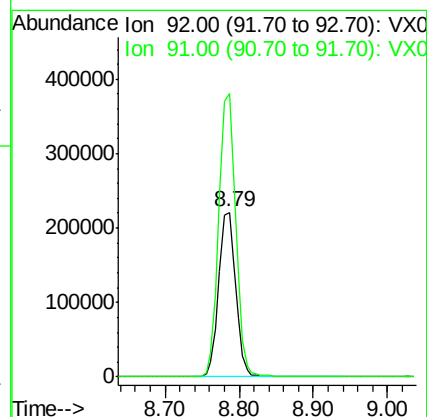
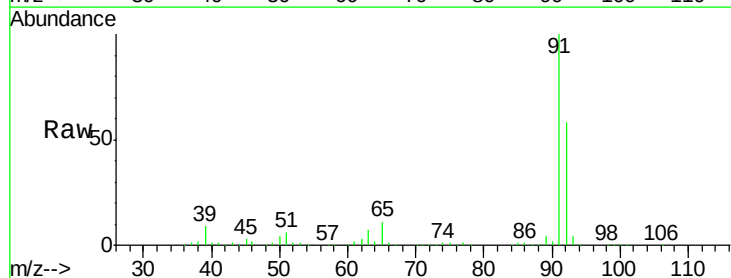
Acq: 06 Mar 2019 20:40

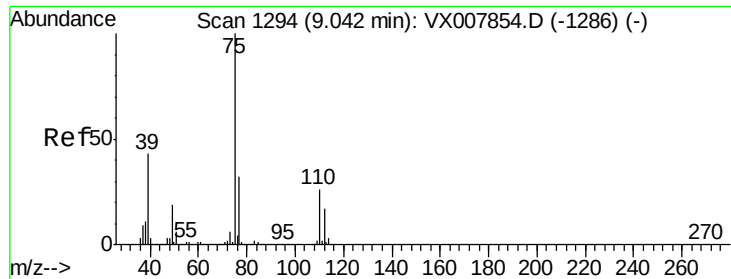
Tgt Ion: 92 Resp: 349838

Ion Ratio Lower Upper

92 100

91 172.0 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 49.403 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 194025

Ion Ratio Lower Upper

75 100

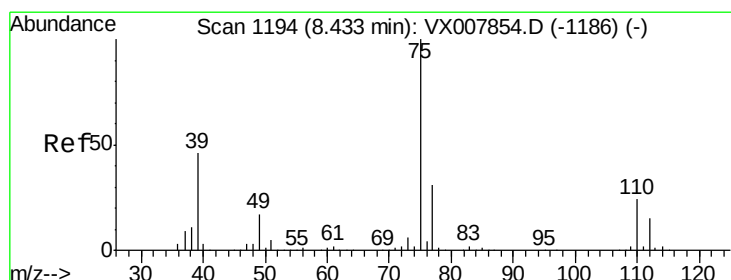
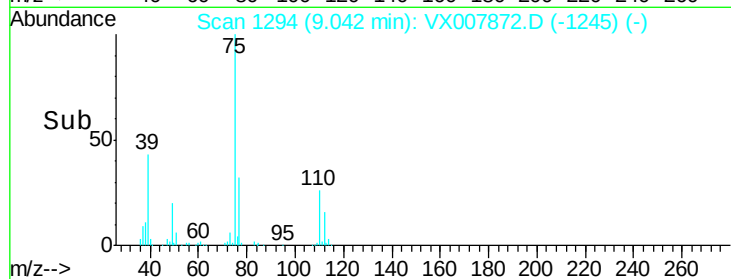
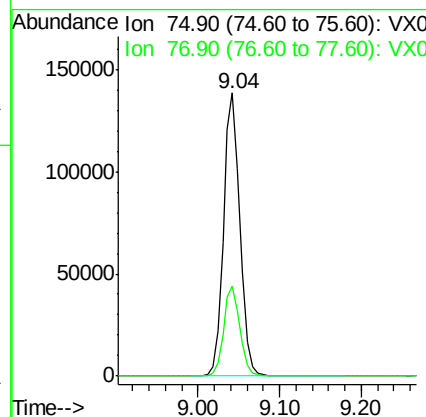
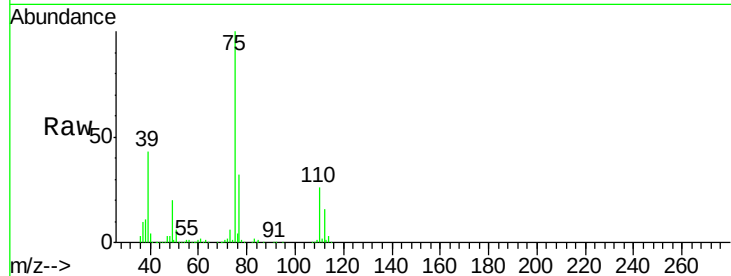
77 31.8 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 49.100 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

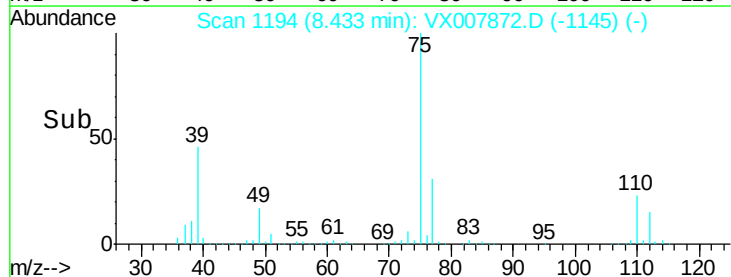
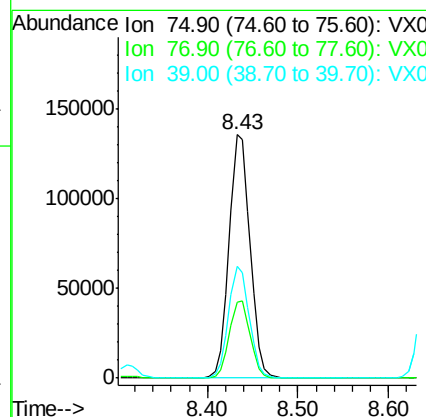
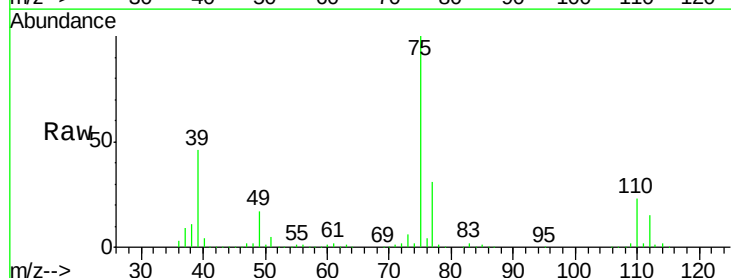
Tgt Ion: 75 Resp: 217759

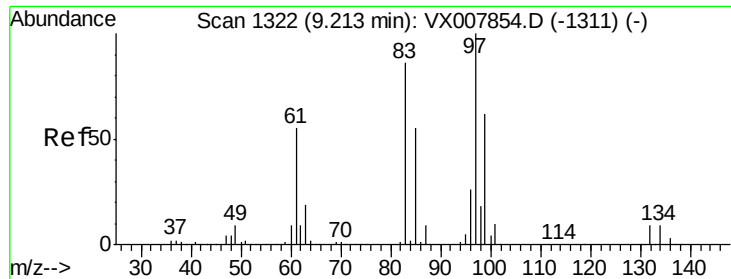
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 46.0 36.6 54.8





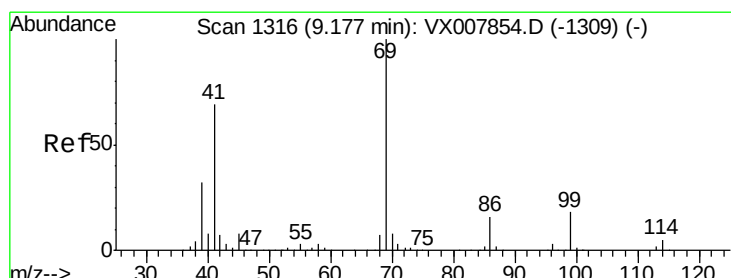
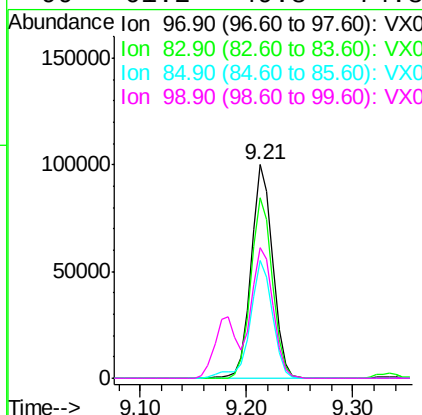
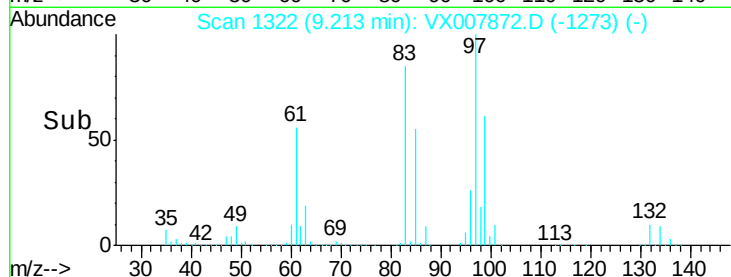
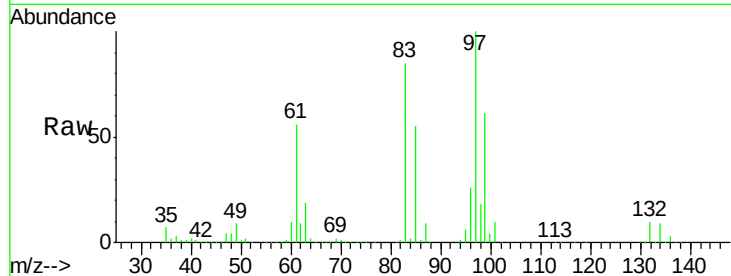
#55
 1,1,2-Trichloroethane
 Concen: 48.561 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		142505		
83	84.6	69.1	103.7		
85	55.1	44.3	66.5		
99	61.2	49.8	74.8		

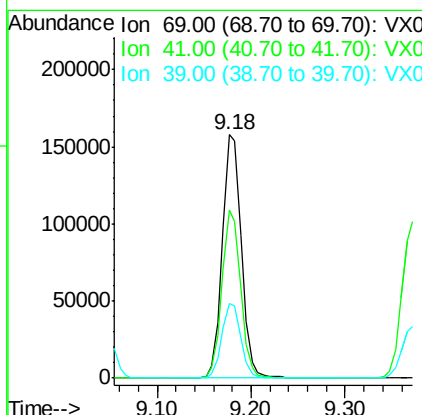
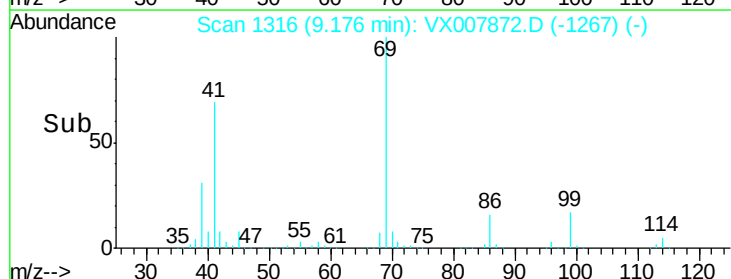
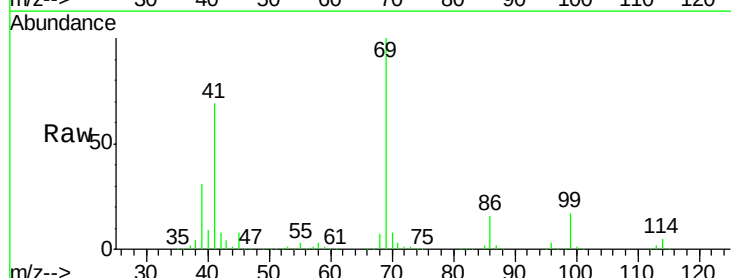
Manual Integrations
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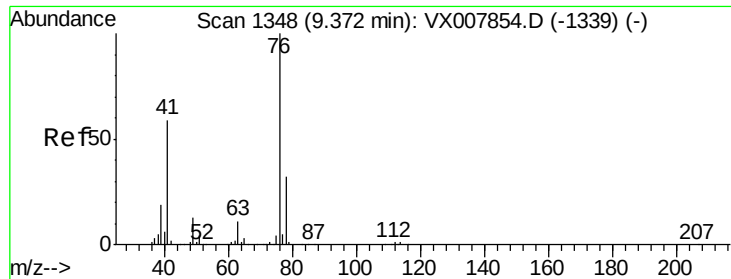
MMDadoda
 3/7/2019 10:35:45 AM



#56
 Ethyl methacrylate
 Concen: 50.185 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		221118		
41	67.6	54.2	81.4		
39	30.9	25.0	37.4		





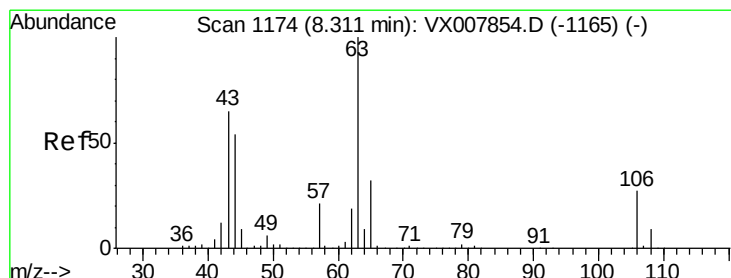
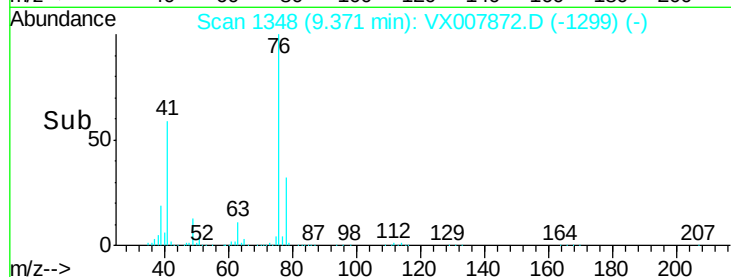
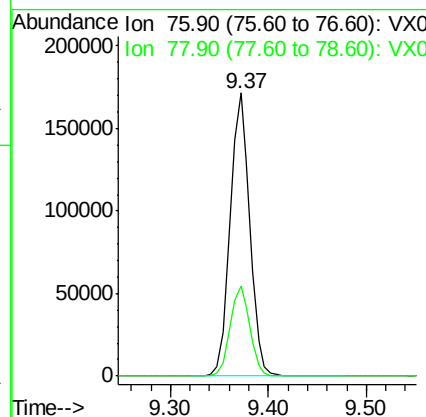
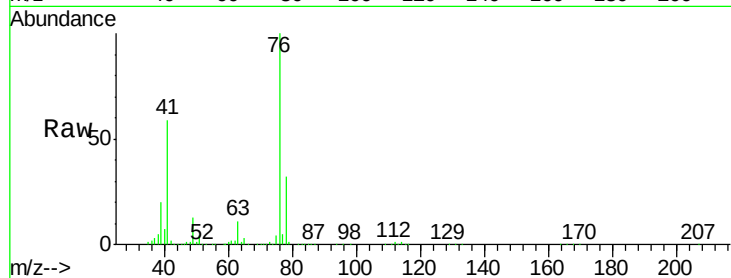
#57
 1,3-Dichloropropane
 Concen: 48.243 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

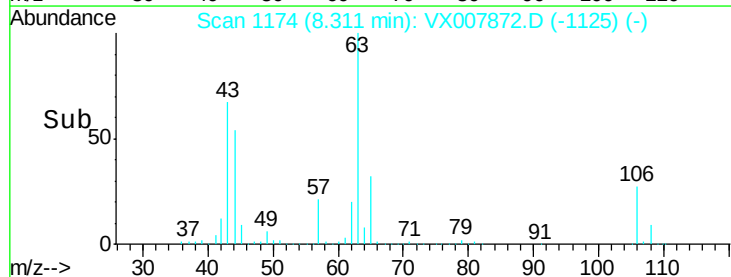
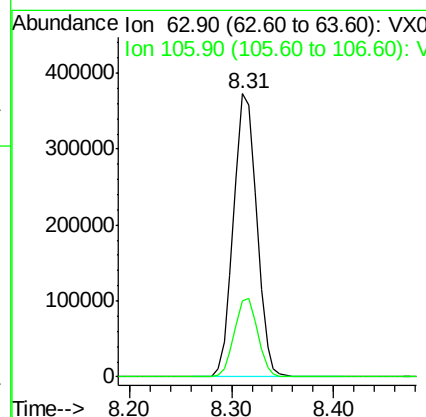
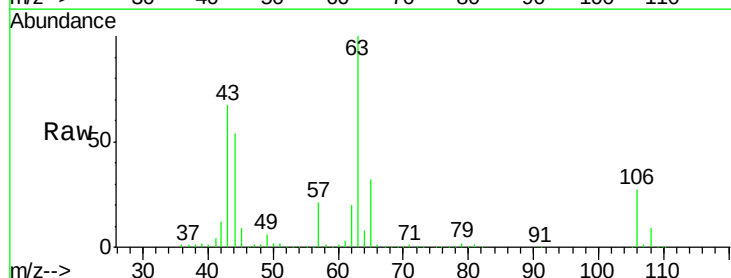
Manual Integrations
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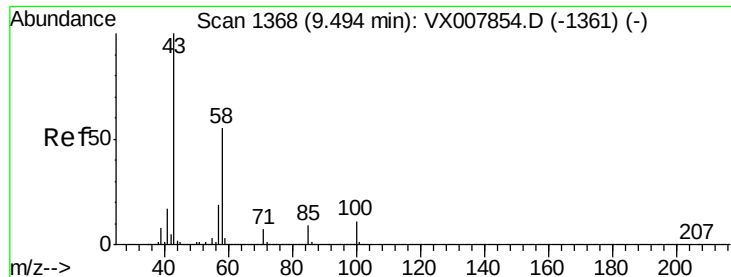
MMDadoda
 3/7/2019 10:35:45 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.739 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.2	33.2





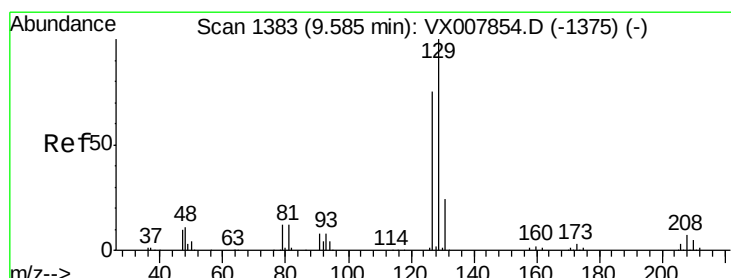
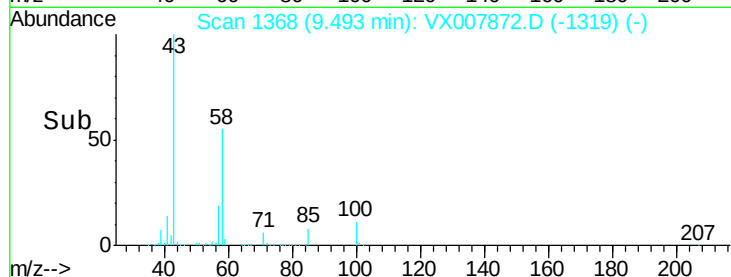
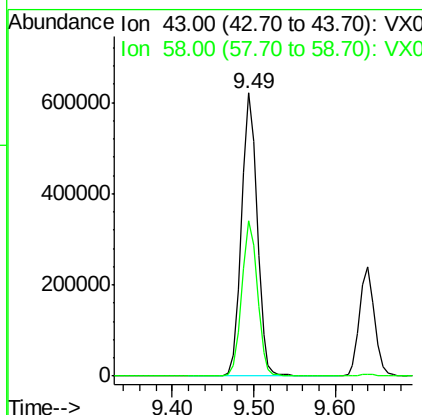
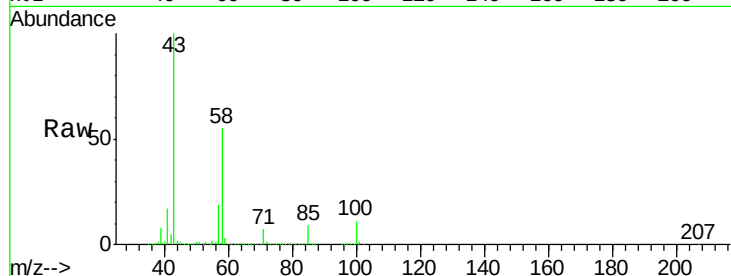
#59
2-Hexanone
Concen: 233.997 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 818374
Ion Ratio Lower Upper
43 100
58 54.8 27.6 82.7

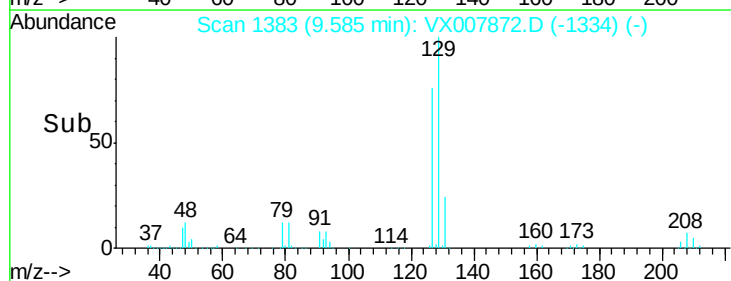
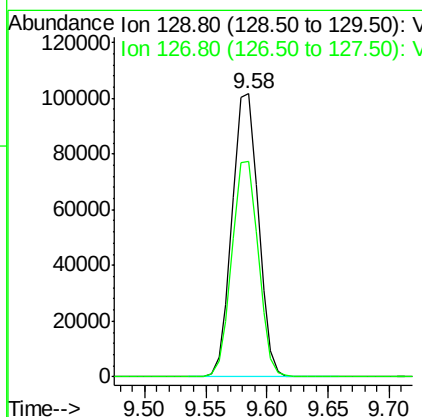
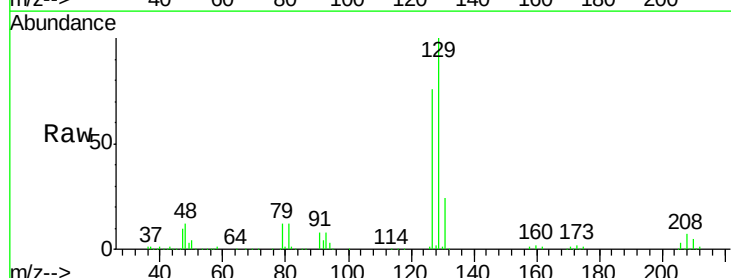
Manual Integrations
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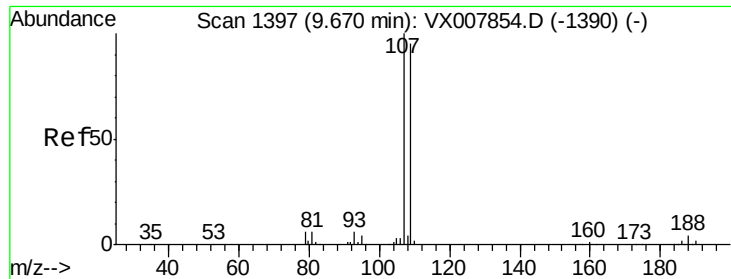
MMDadoda
3/7/2019 10:35:45 AM



#60
Dibromochloromethane
Concen: 49.299 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion: 129 Resp: 151213
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8





#61

1,2-Dibromoethane

Concen: 48.270 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 150392

Ion Ratio Lower Upper

107 100

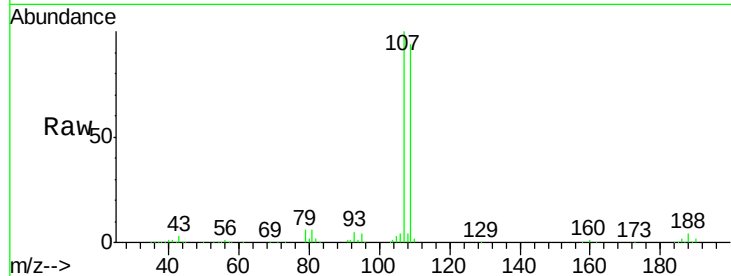
109 94.4 75.8 113.8

Manual Integrations

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3/7/2019 10:35:45 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

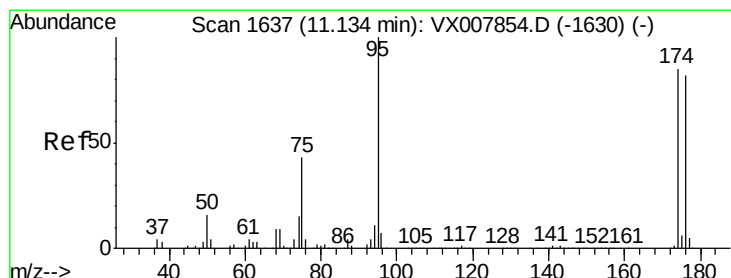
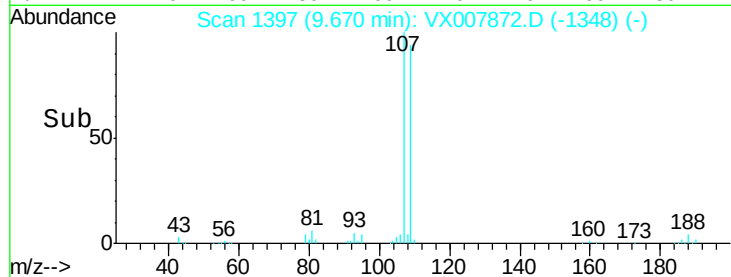
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.312 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

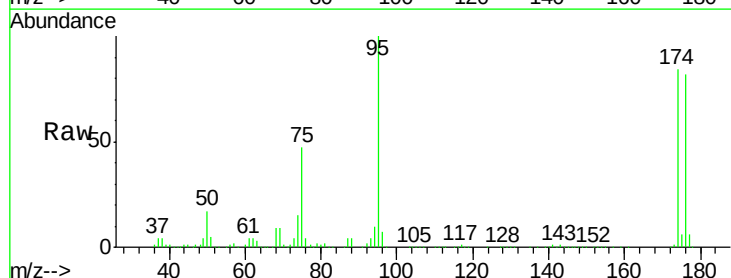
Tgt Ion: 95 Resp: 186156

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

176 90.0 0.0 178.0



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

200000

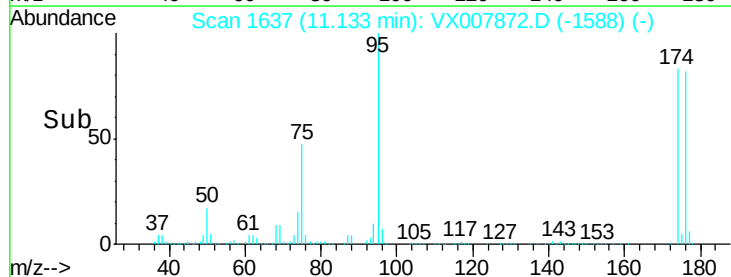
150000

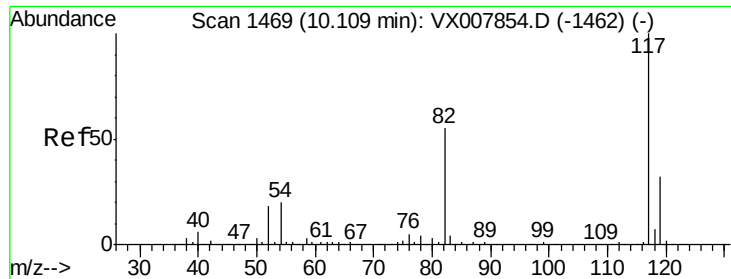
100000

50000

0

Time-->





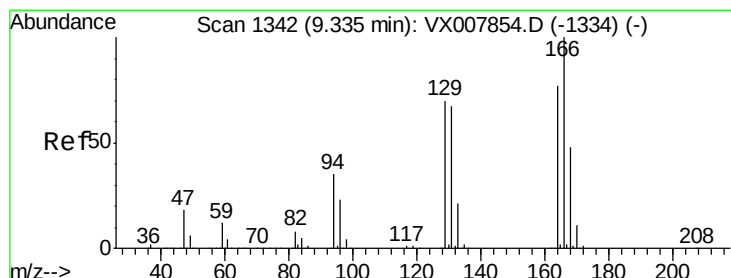
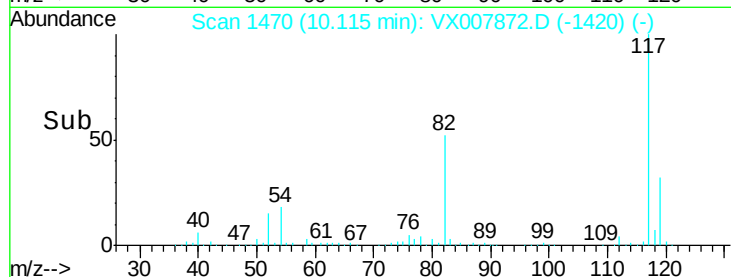
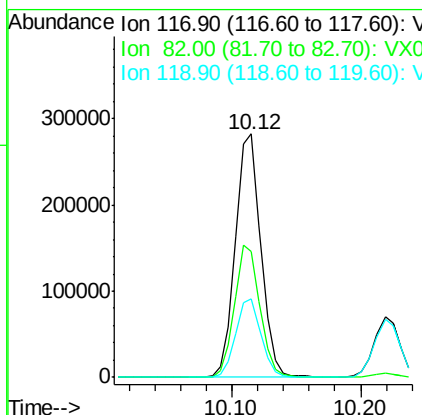
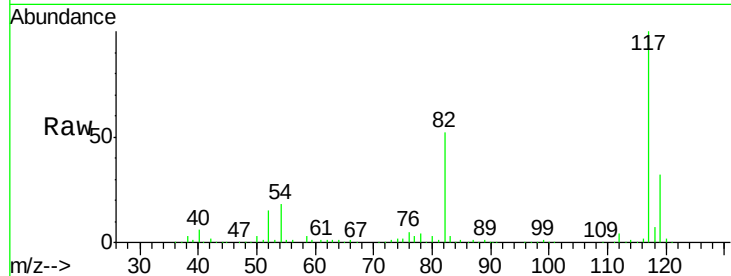
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	44.3	66.5
119	32.1	25.3	37.9

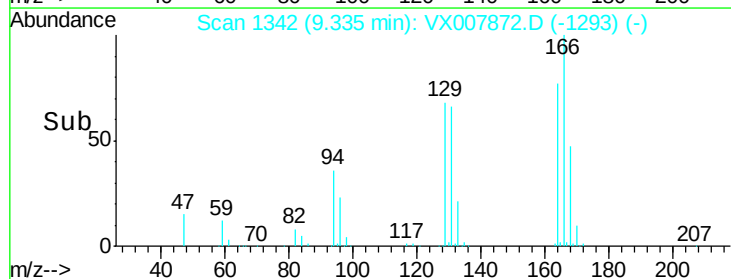
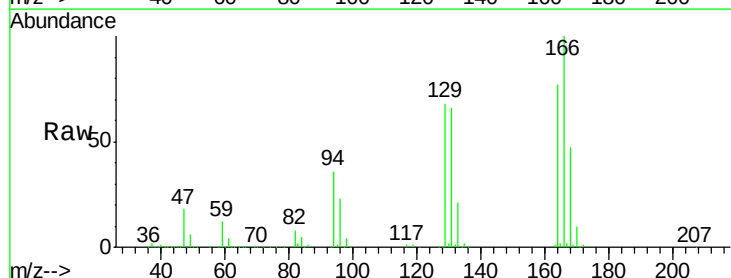
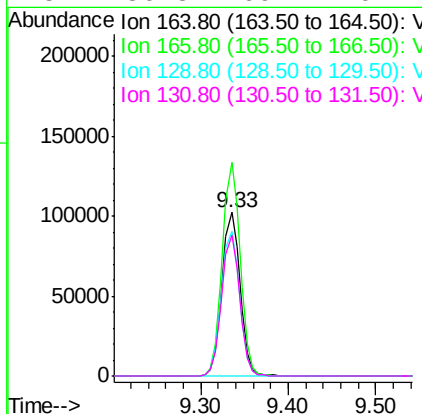
Manual Integrations
APPROVED

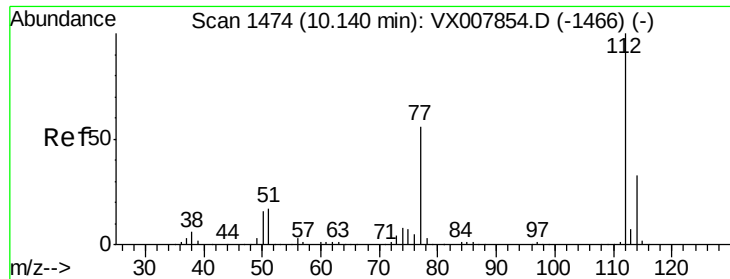
MMDadoda
3/7/2019 10:35:45 AM



#64
Tetrachloroethene
Concen: 45.347 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.4	155.0
129	88.5	72.2	108.4
131	86.3	69.4	104.2





#65

Chlorobenzene

Concen: 46.565 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 380509

Ion Ratio Lower Upper

112 100

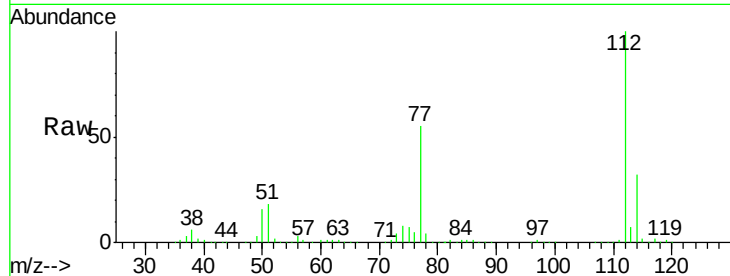
114 32.5 26.0 39.0

Manual Integrations

APPROVED

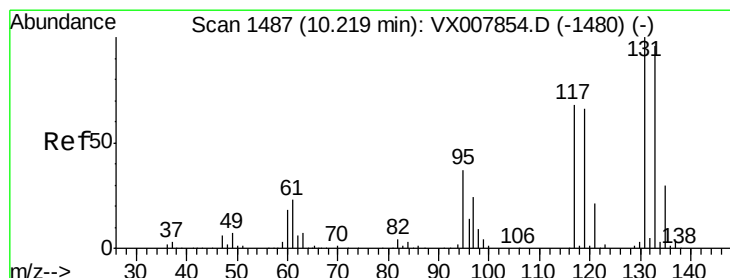
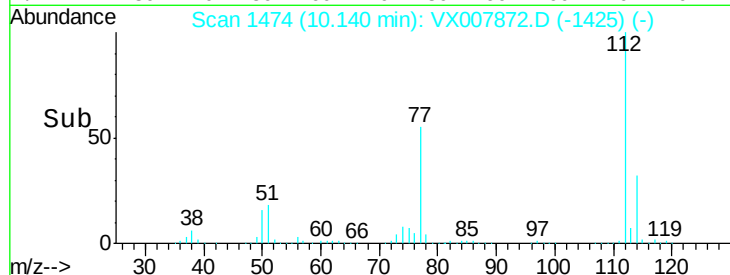
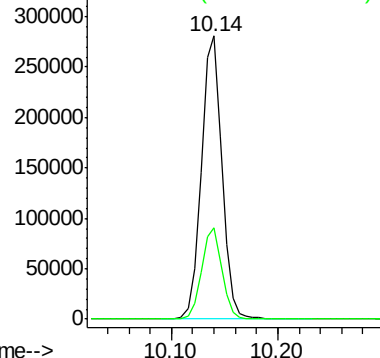
MMDadoda

3/7/2019 10:35:45 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.478 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

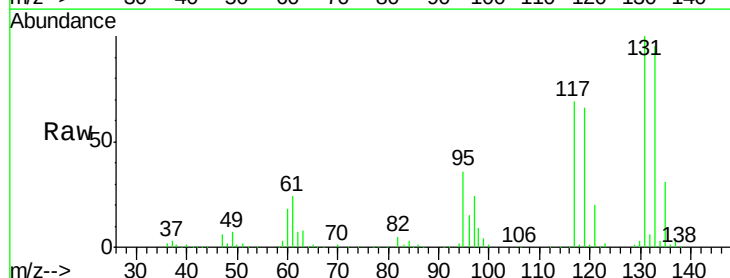
Tgt Ion:131 Resp: 139050

Ion Ratio Lower Upper

131 100

133 95.8 47.8 143.3

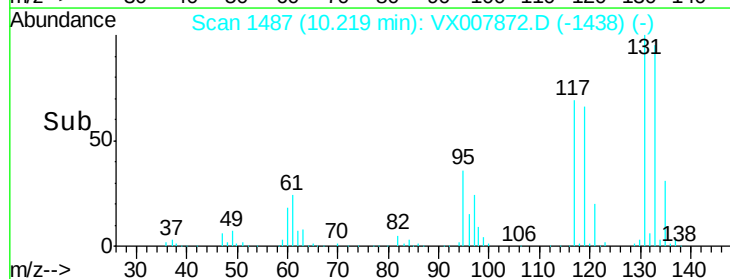
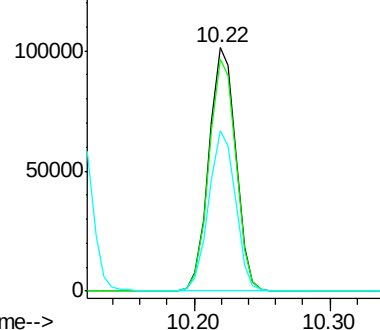
119 65.9 32.5 97.5

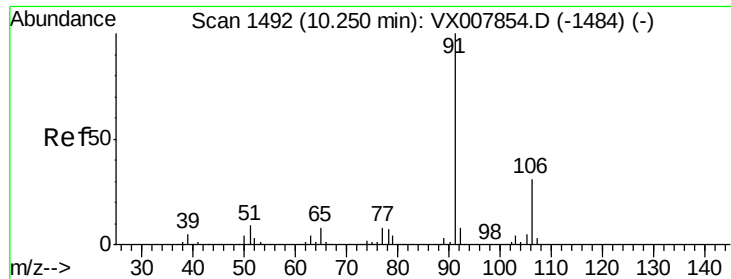


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.164 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 647867

Ion Ratio Lower Upper

91 100

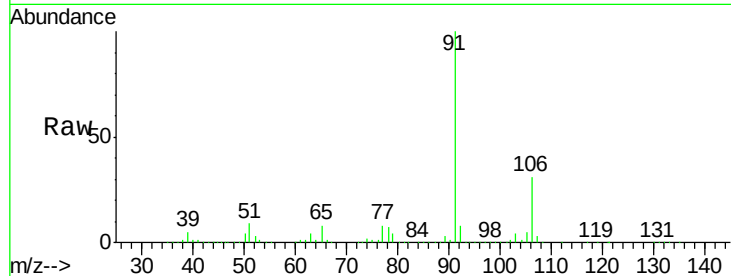
106 31.3 25.2 37.8

Manual Integrations

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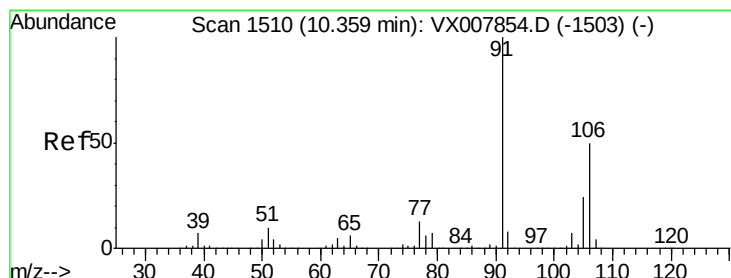
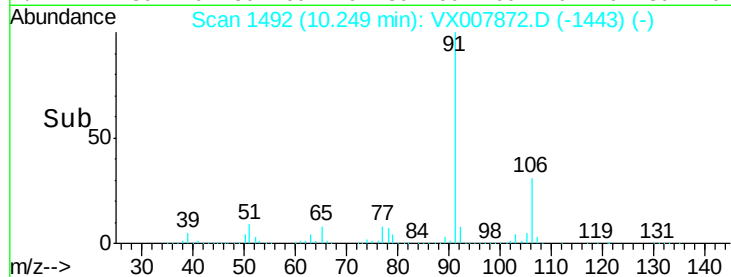
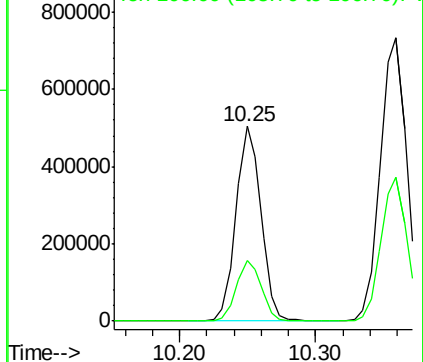
MMDadoda

3/7/2019 10:35:45 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 95.937 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007872.D

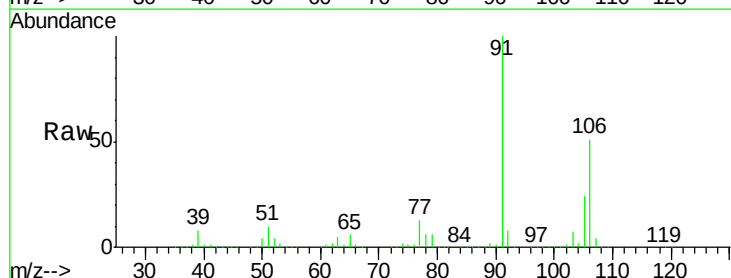
Acq: 06 Mar 2019 20:40

Tgt Ion: 106 Resp: 497416

Ion Ratio Lower Upper

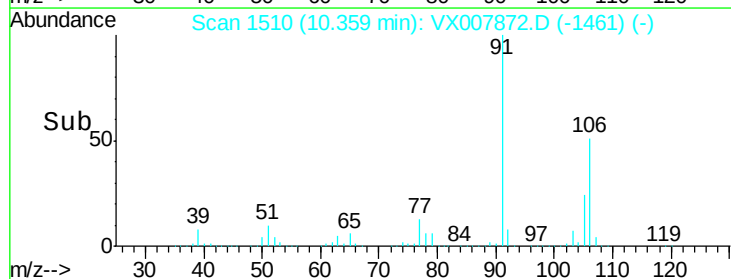
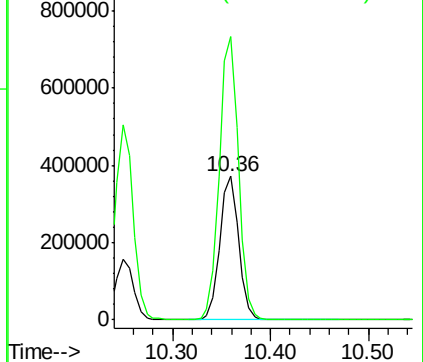
106 100

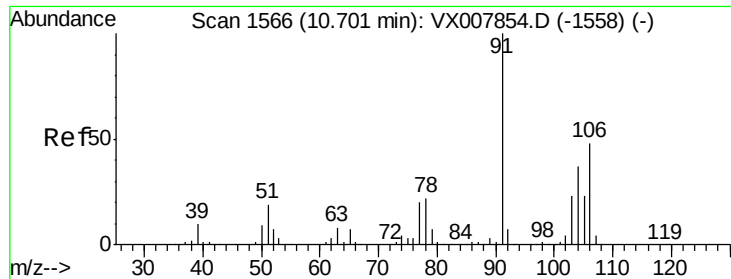
91 200.3 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





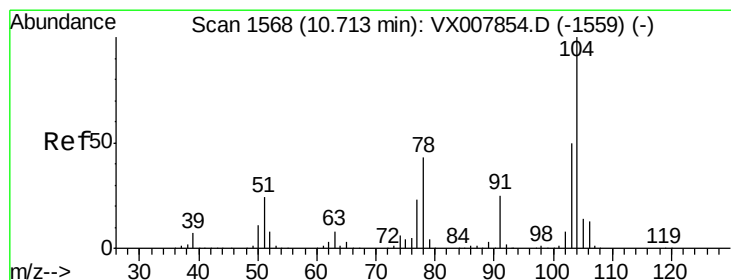
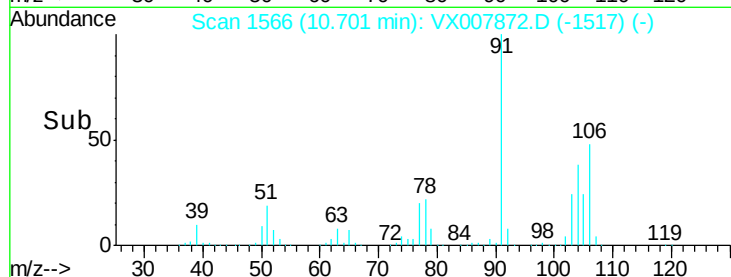
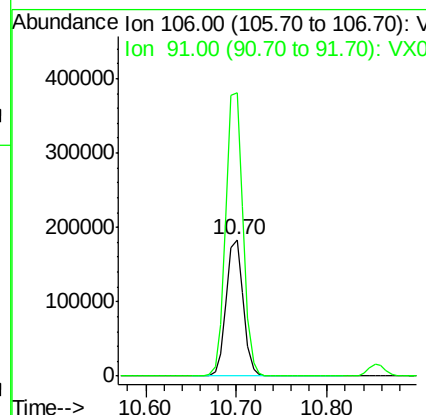
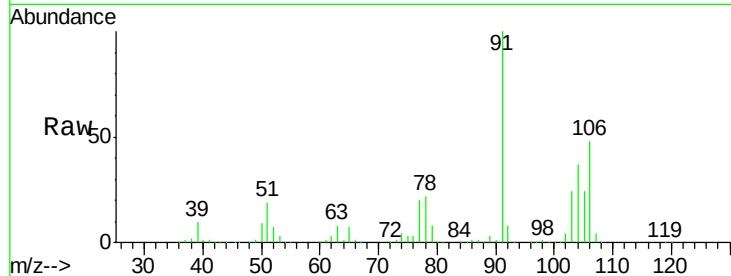
#69
o-Xylene
Concen: 48.066 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.6	106.3	318.9

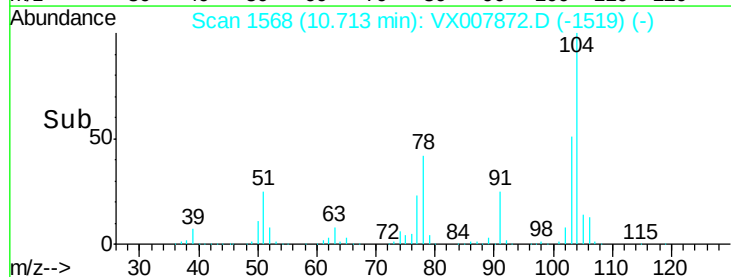
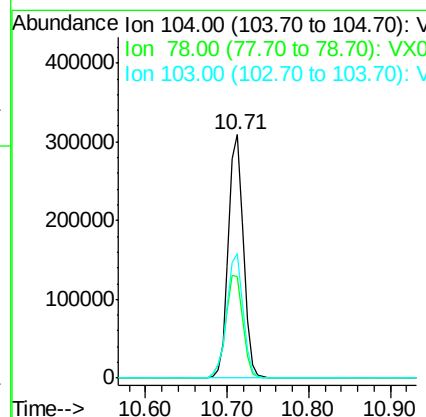
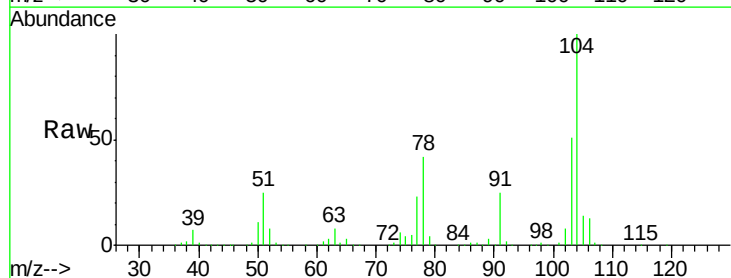
Manual Integrations
APPROVED

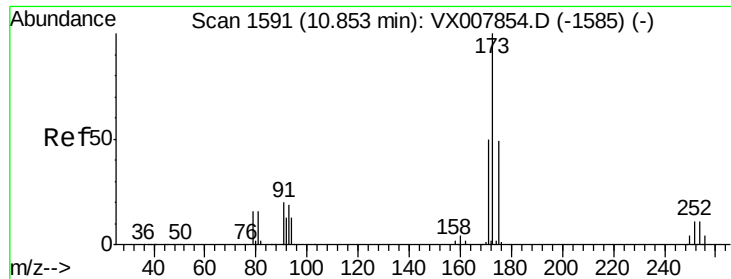
MMDadoda
3/7/2019 10:35:45 AM



#70
Styrene
Concen: 48.505 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007872.D
Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.5	57.7
103	55.6	44.1	66.1





#71

Bromoform

Concen: 47.058 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

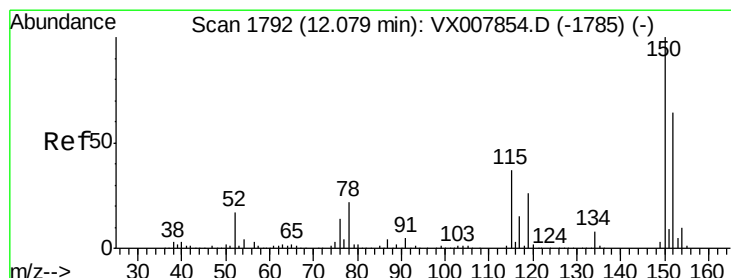
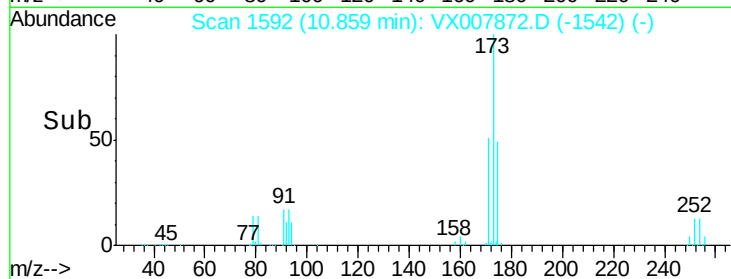
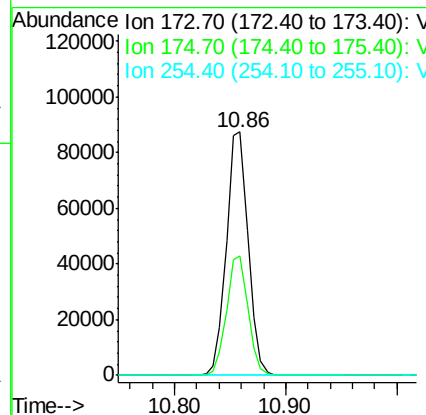
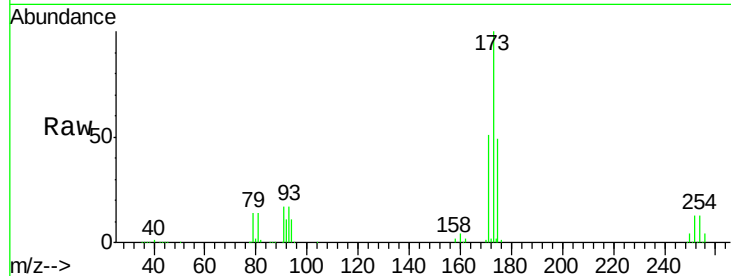
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

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3/7/2019 10:35:45 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

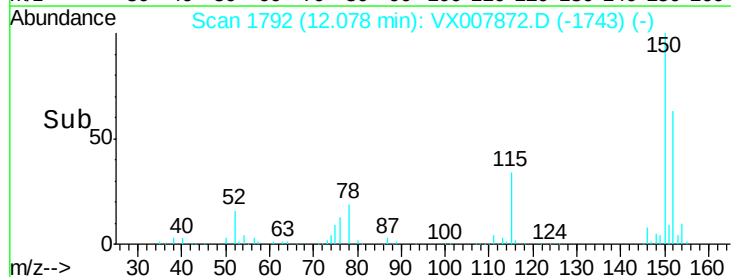
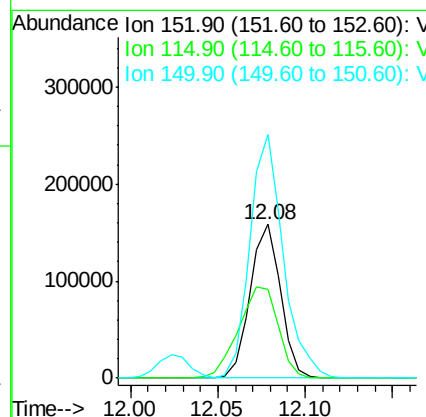
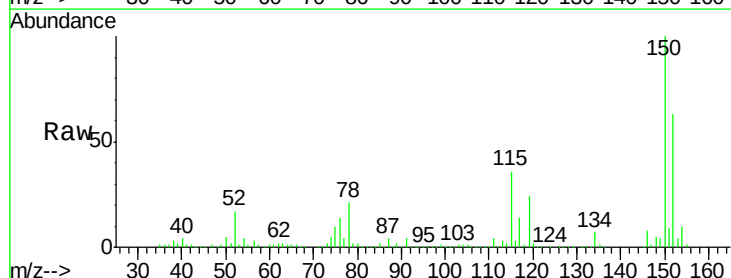
RT: 12.08 min Scan# 1792

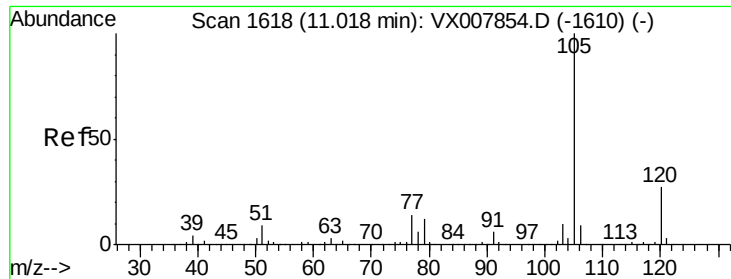
Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.7	38.6	115.7
150	173.3	0.0	348.4





#73

Isopropylbenzene

Concen: 49.597 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 647076

Ion Ratio Lower Upper

105 100

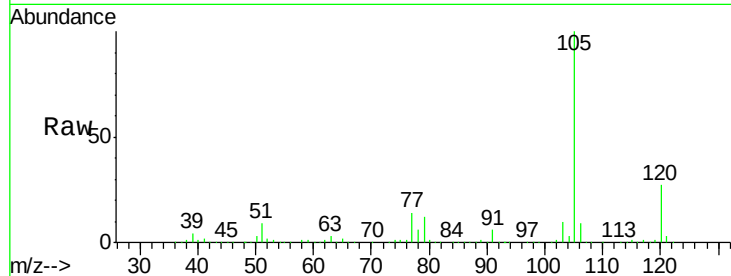
120 26.6 13.4 40.1

Manual Integrations

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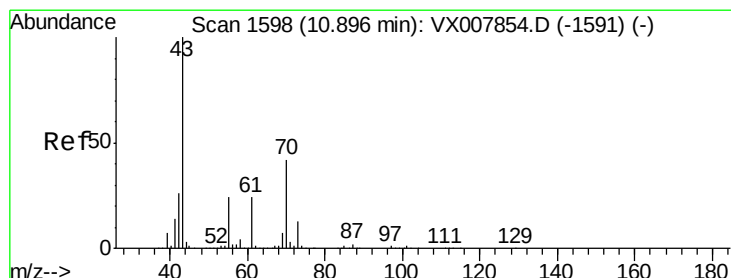
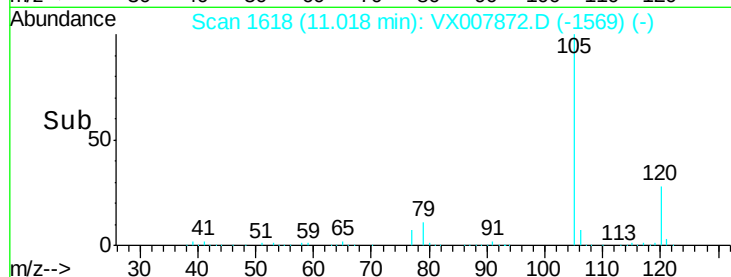
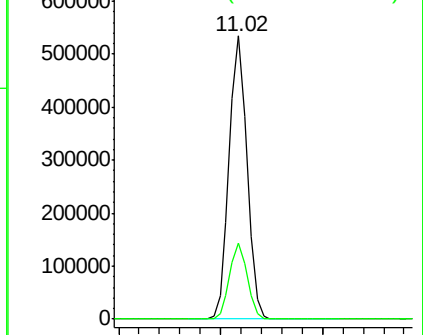
MMDadoda

3/7/2019 10:35:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.026 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion: 43 Resp: 292005

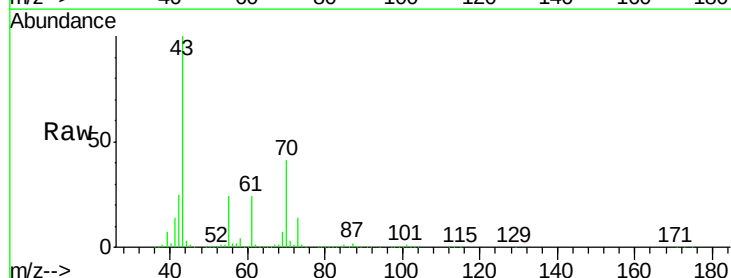
Ion Ratio Lower Upper

43 100

70 41.8 33.5 50.3

55 24.1 19.2 28.8

61 24.1 19.0 28.6

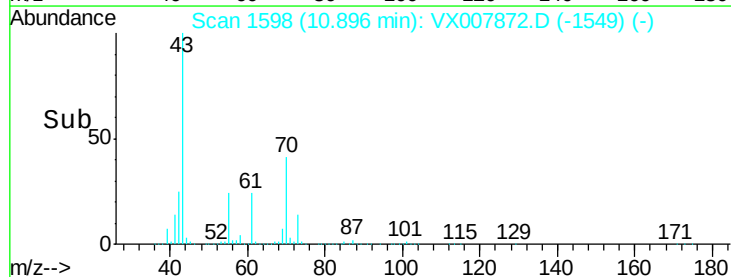
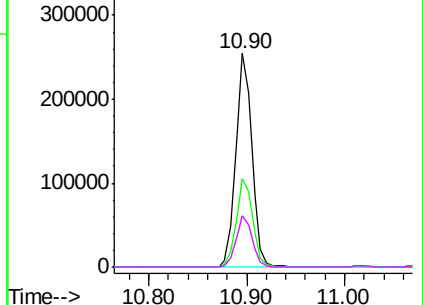


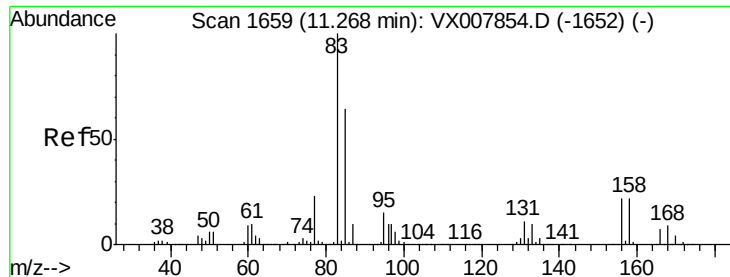
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.394 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

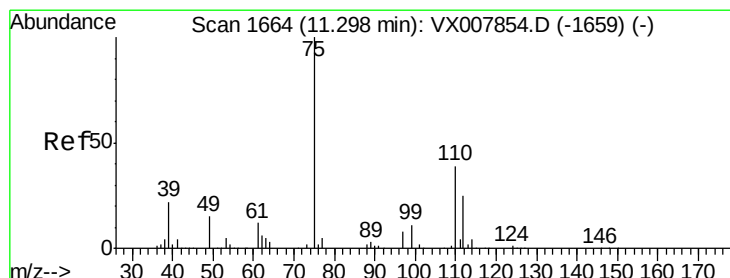
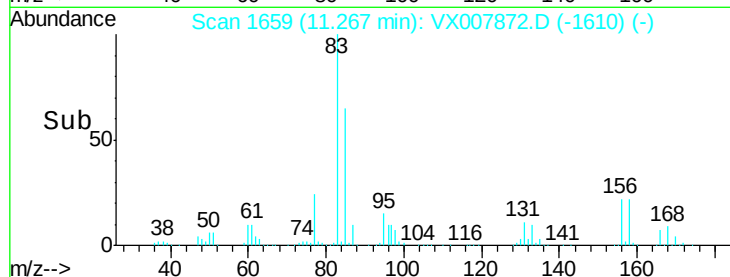
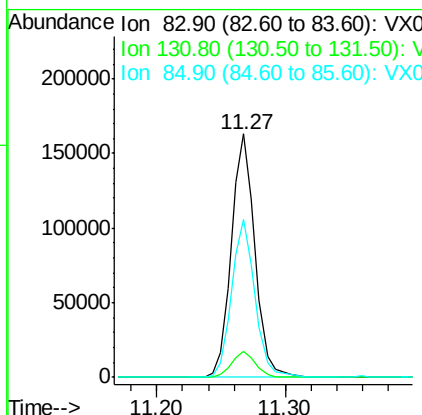
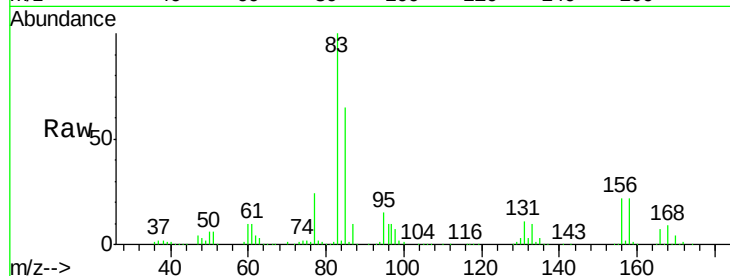
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	208786
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.4	16.2
85	64.2	32.3	96.8

Manual Integrations
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3/7/2019 10:35:45 AM



#76

1,2,3-Trichloropropane

Concen: 49.172 ug/l m

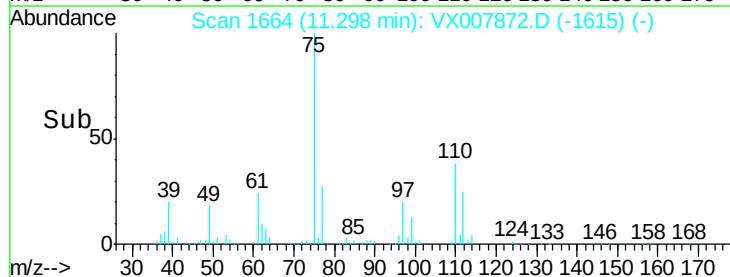
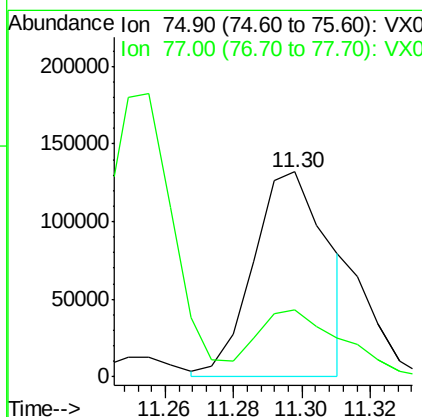
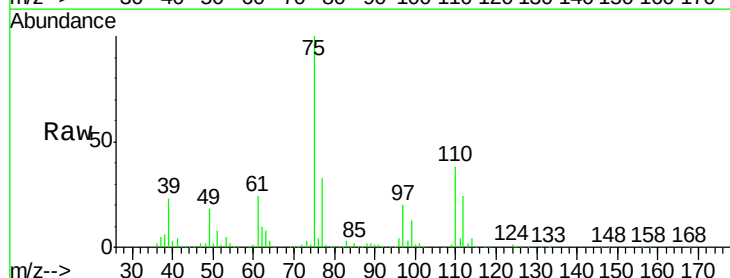
RT: 11.30 min Scan# 1664

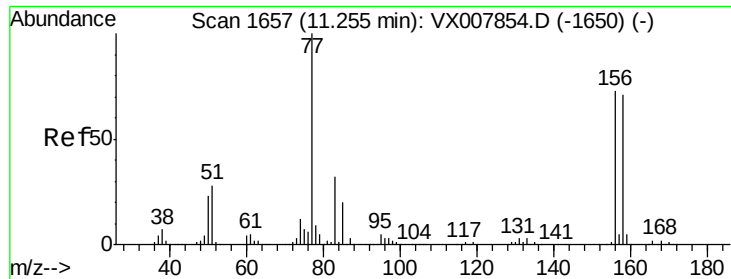
Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion:	75	Resp:	199050
Ion	Ratio	Lower	Upper
75	100		
77	37.3	18.9	56.7





#77

Bromobenzene

Concen: 47.094 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

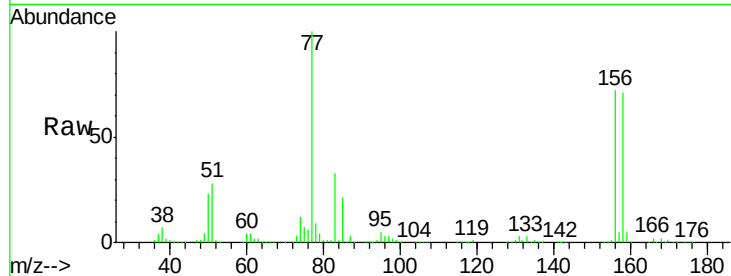
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	168452
Ion Ratio	Lower	Upper	
156	100		
77	147.1	72.0	215.9
158	97.3	48.6	145.9

Manual Integrations
APPROVED

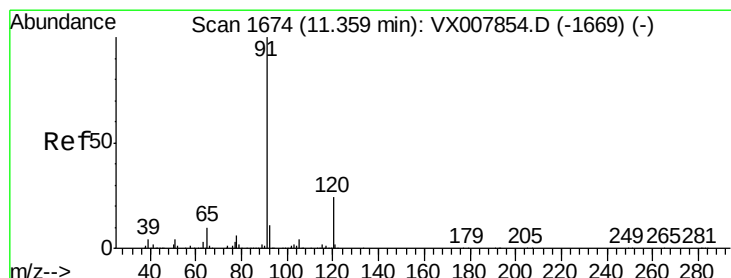
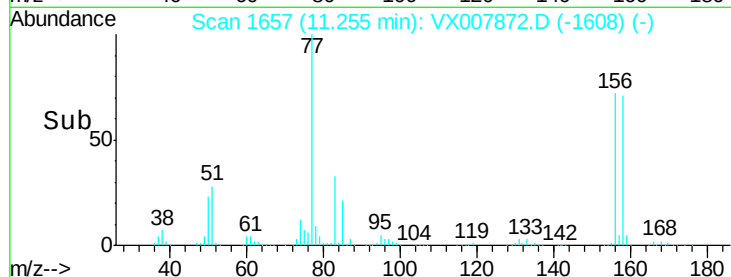
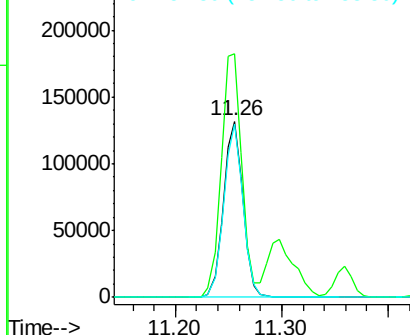
MMDadoda
3/7/2019 10:35:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.967 ug/l

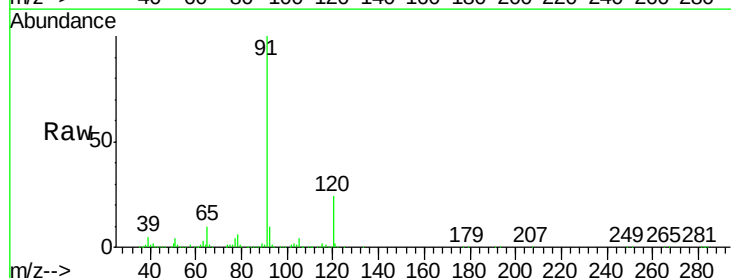
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007872.D

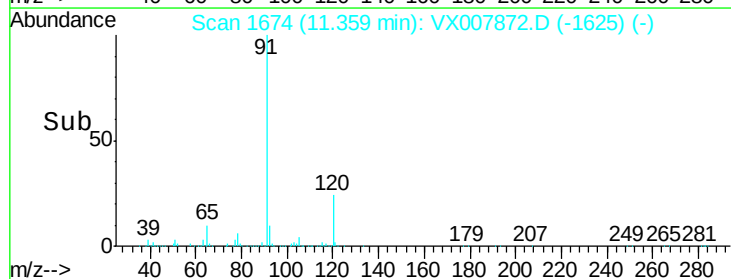
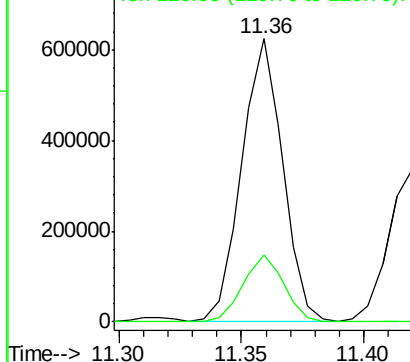
Acq: 06 Mar 2019 20:40

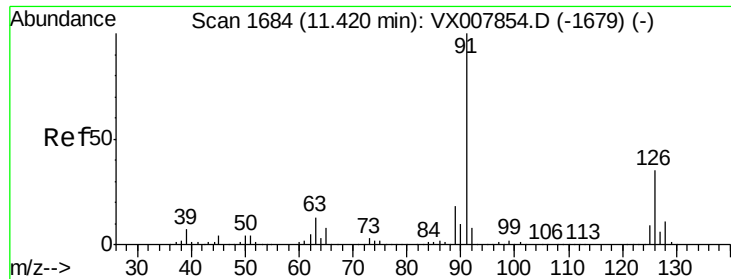
Tgt Ion:	91	Resp:	723212
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





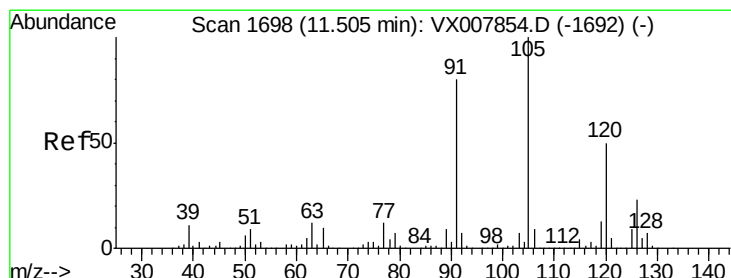
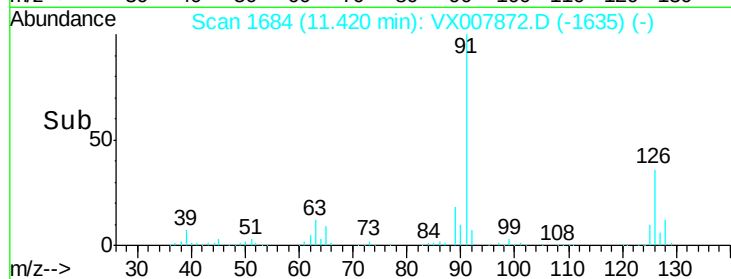
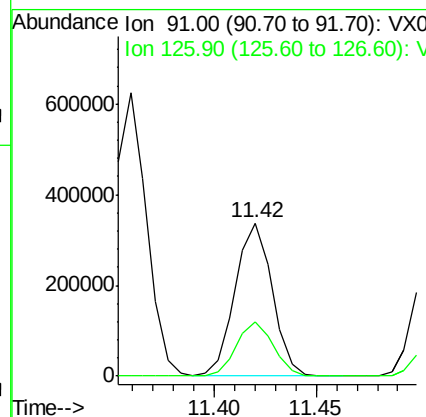
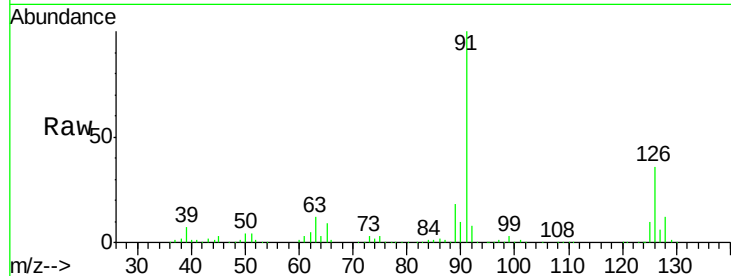
#79
 2-Chlorotoluene
 Concen: 47.601 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 91 Resp: 421250
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.6

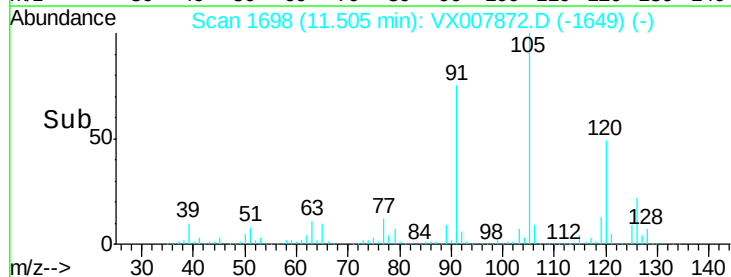
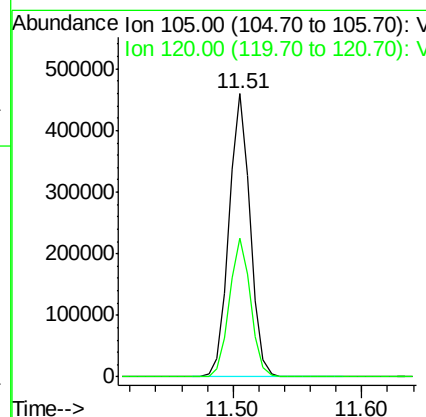
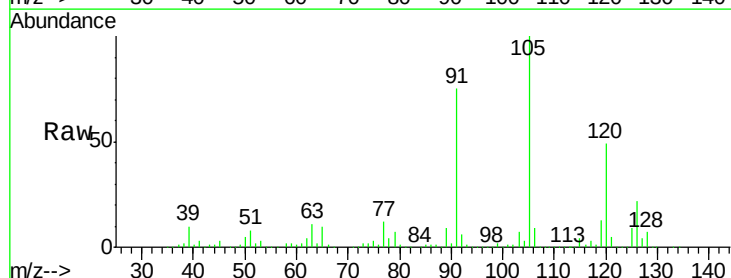
Manual Integrations
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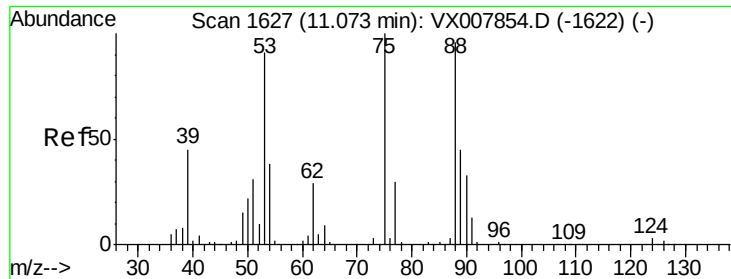
MMDadoda
 3/7/2019 10:35:45 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.492 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion: 105 Resp: 531451
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.254 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 59842

Ion Ratio Lower Upper

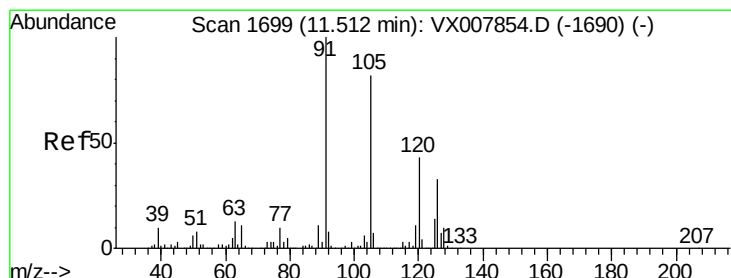
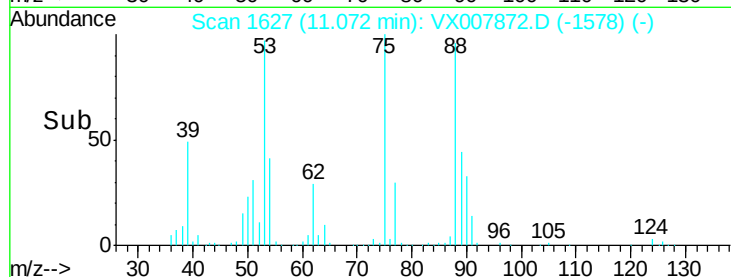
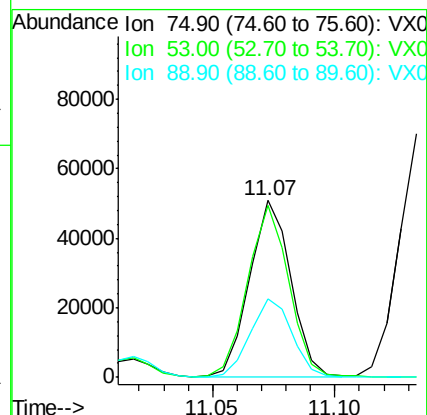
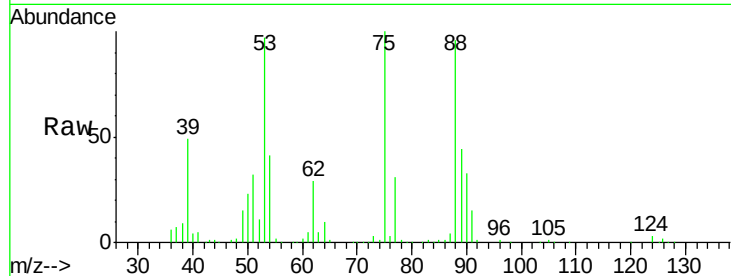
75 100

53 97.7 76.1 114.1

89 45.4 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.122 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX007872.D

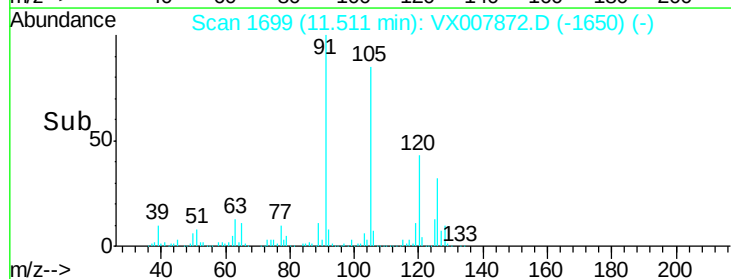
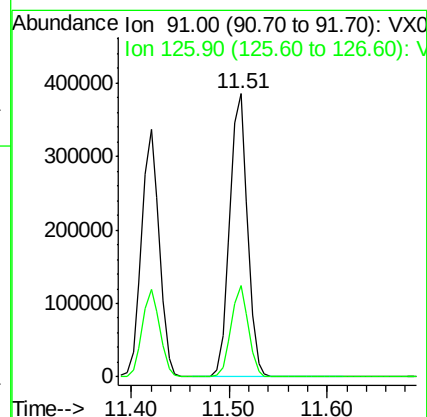
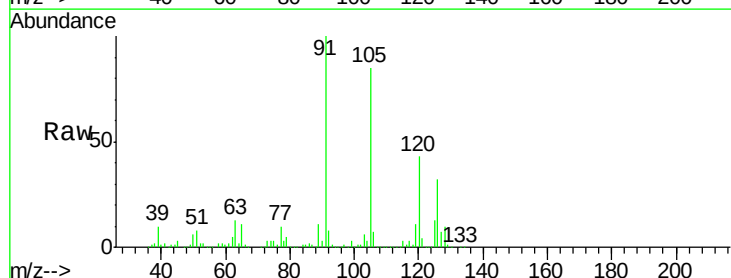
Acq: 06 Mar 2019 20:40

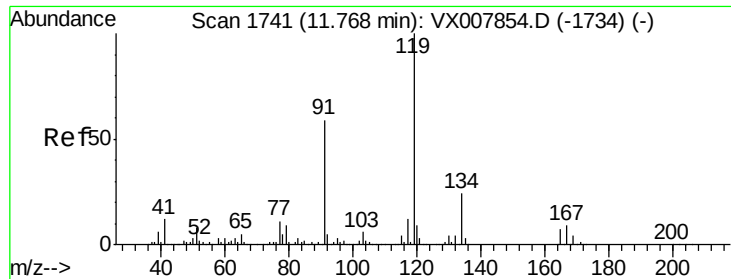
Tgt Ion: 91 Resp: 488042

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8





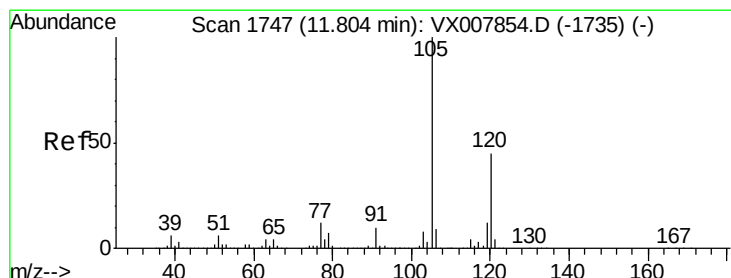
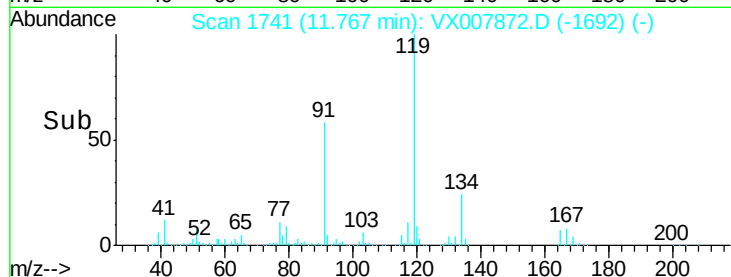
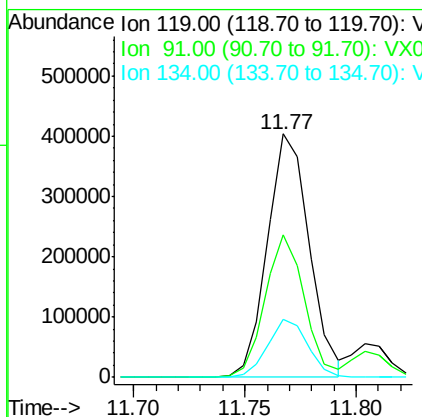
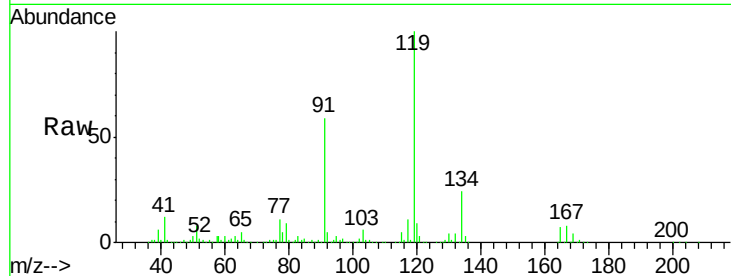
#83
 tert-Butylbenzene
 Concen: 48.694 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	526696		
91	54.9		27.1	81.3
134	22.9		11.4	34.1

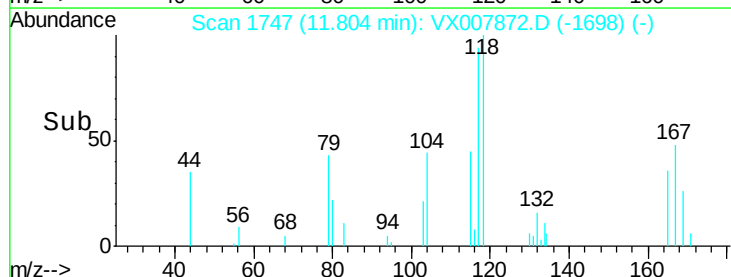
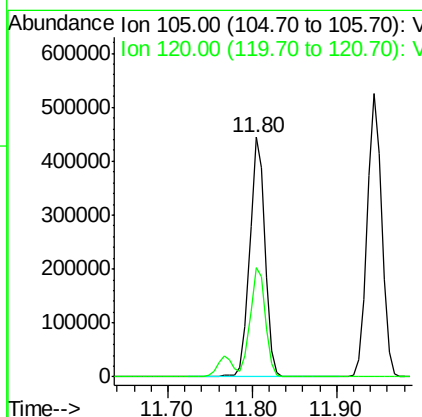
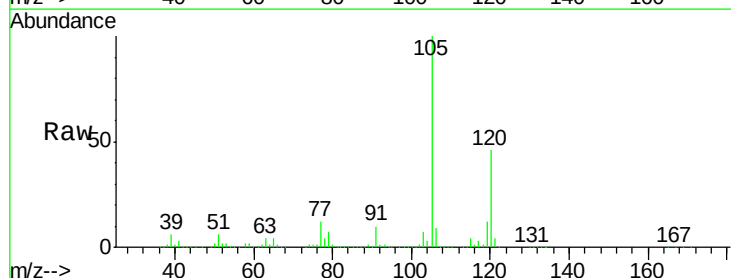
Manual Integrations
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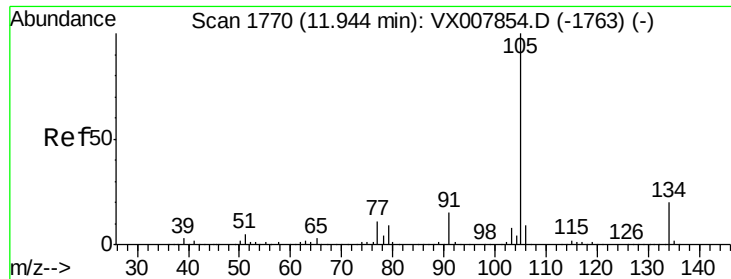
MMDadoda
 3/7/2019 10:35:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.090 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	540377		
120	45.5		22.6	67.7





#85

sec-Butylbenzene

Concen: 49.611 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 632001

Ion Ratio Lower Upper

105 100

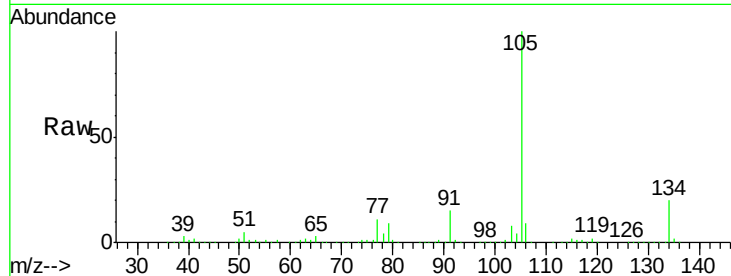
134 20.6 10.4 31.2

Manual Integrations

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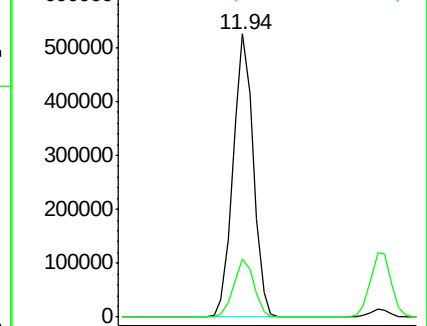
MMDadoda

3/7/2019 10:35:45 AM

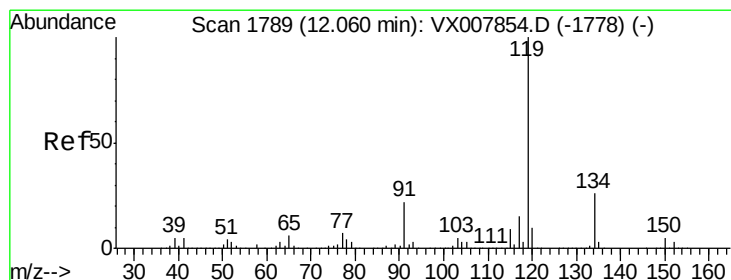
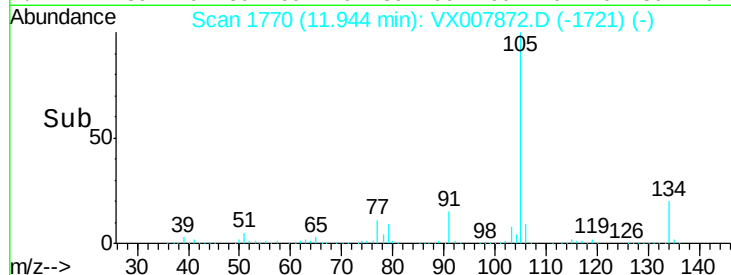


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 50.033 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

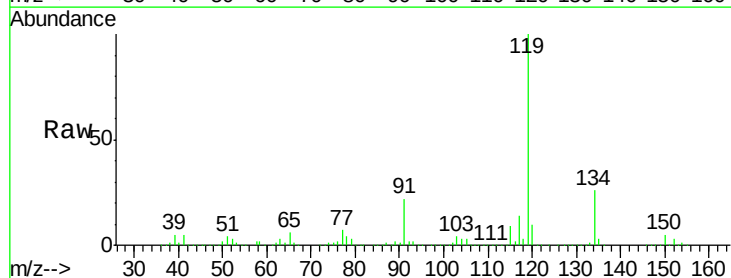
Tgt Ion:119 Resp: 570817

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

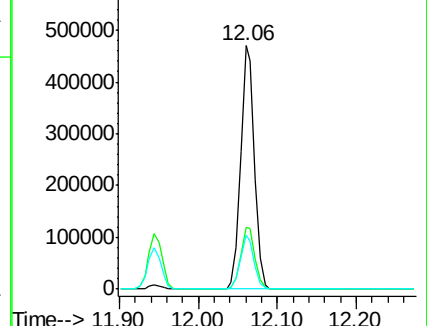
91 21.7 10.9 32.7



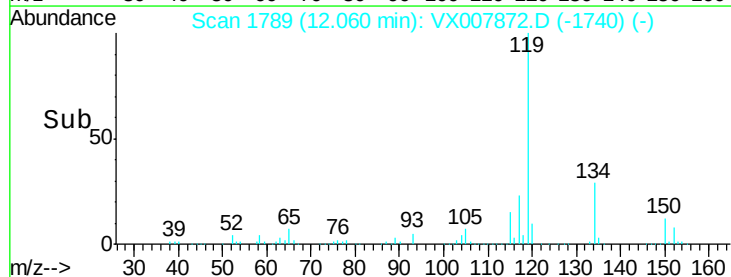
Abundance Ion 119.00 (118.70 to 119.70): V

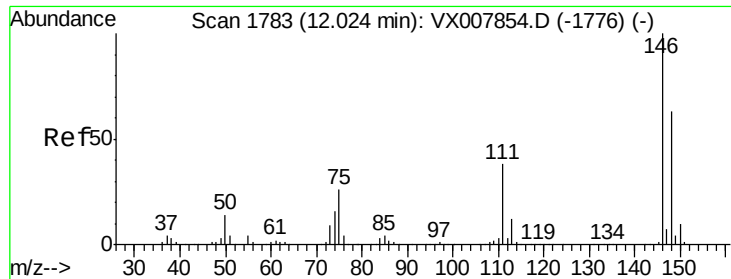
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





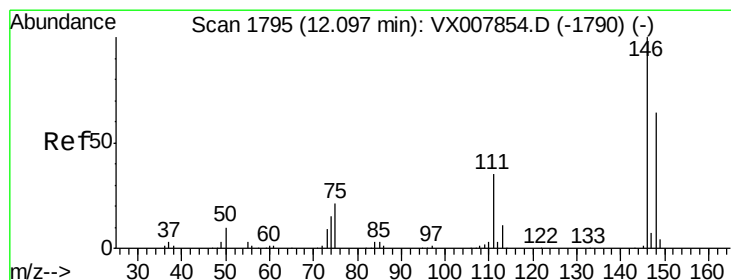
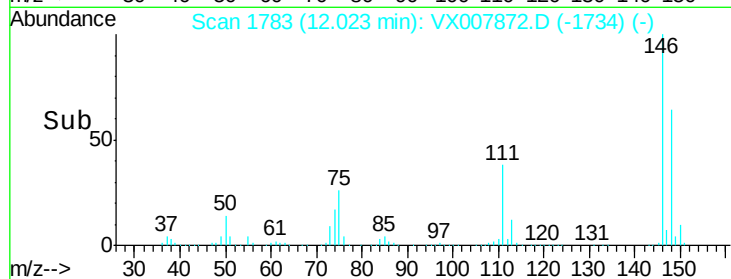
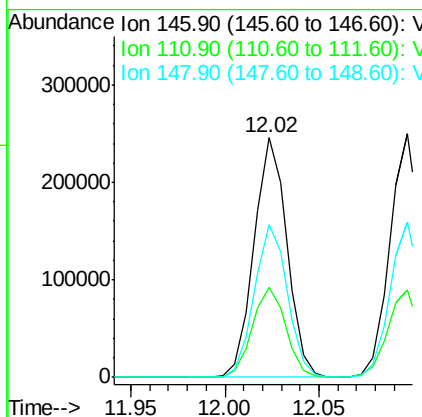
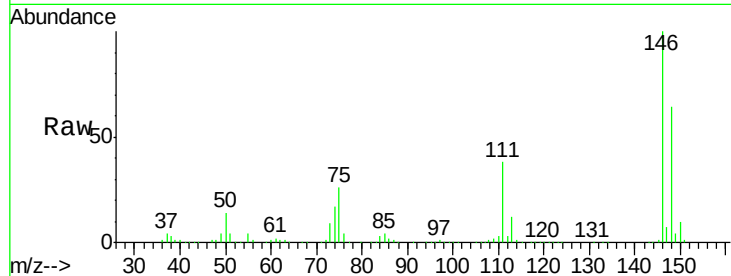
#87
 1,3-Dichlorobenzene
 Concen: 47.203 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.7
148	63.9	31.7	95.1

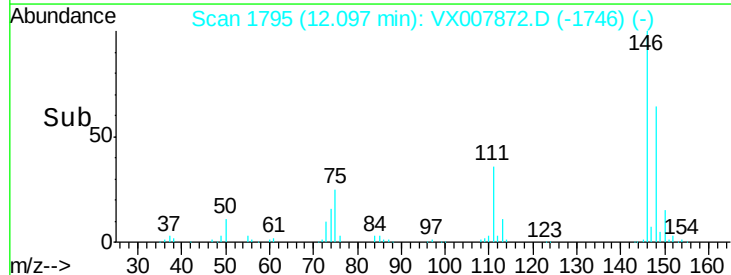
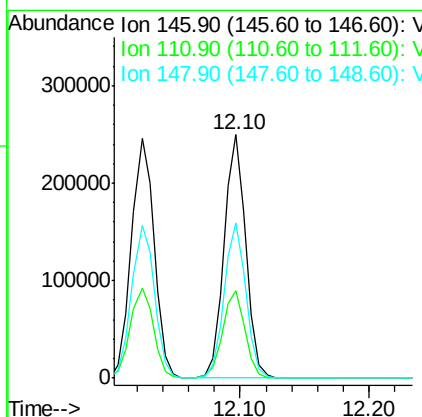
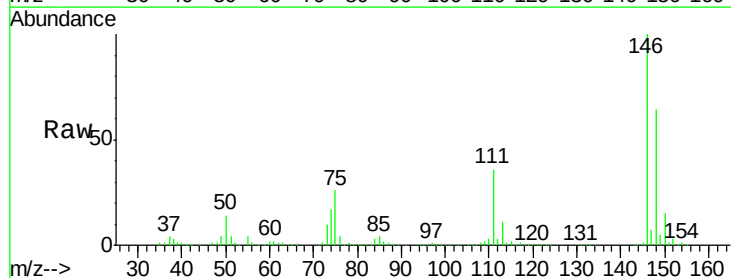
Manual Integrations
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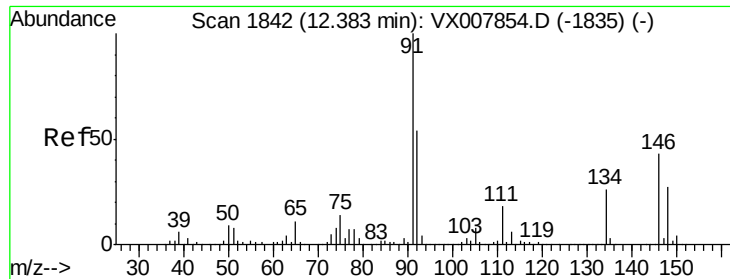
MMDadoda
 3/7/2019 10:35:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.708 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.0
148	63.8	32.2	96.6





#89

n-Butylbenzene

Concen: 49.883 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

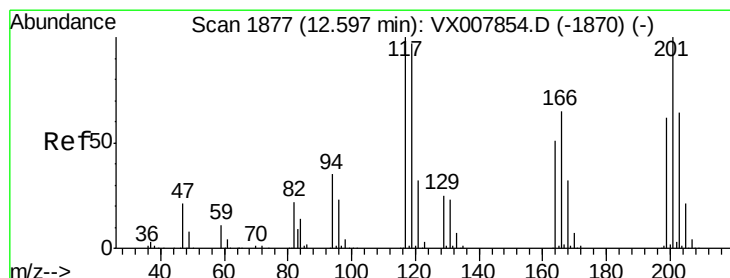
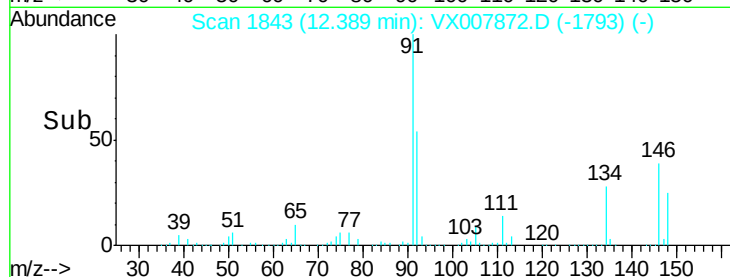
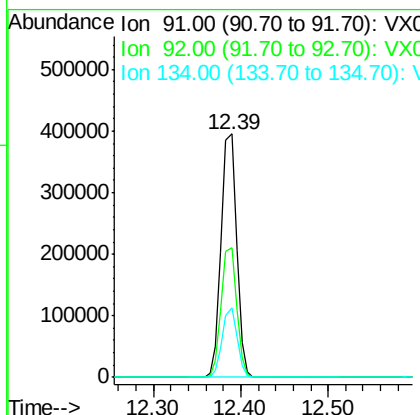
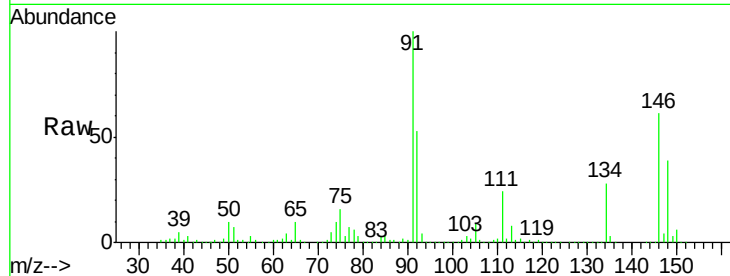
ClientSampled :

VSTDCCC050EC

Tot Ion:	91	Resp:	482156
Ion Ratio	Lower	Upper	
91	100		
92	53.2	27.0	80.8
134	27.3	13.7	41.0

Manual Integrations
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3/7/2019 10:35:45 AM



#90

Hexachloroethane

Concen: 48.753 ug/l

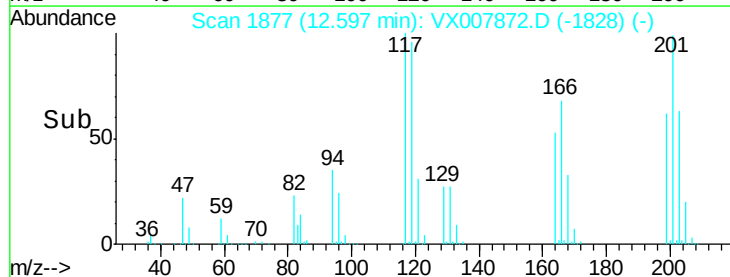
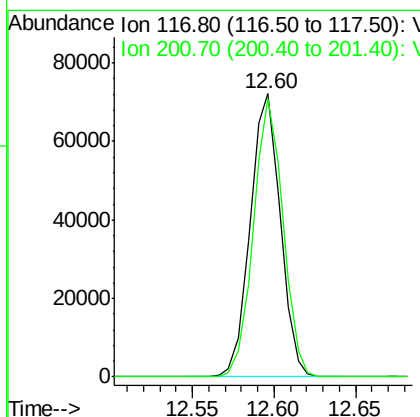
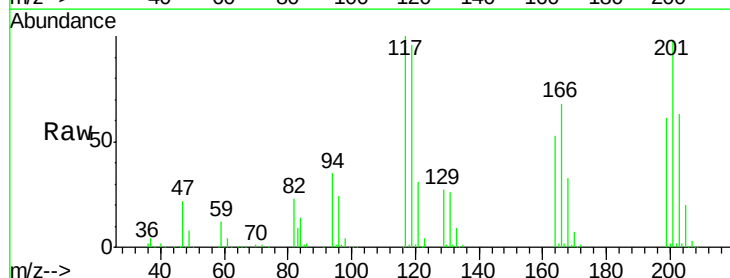
RT: 12.60 min Scan# 1877

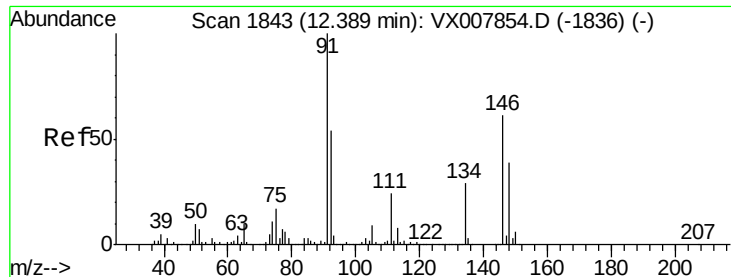
Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion:	117	Resp:	92998
Ion Ratio	Lower	Upper	
117	100		
201	96.2	48.9	146.7





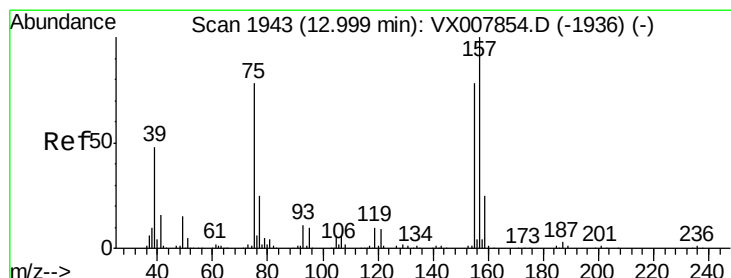
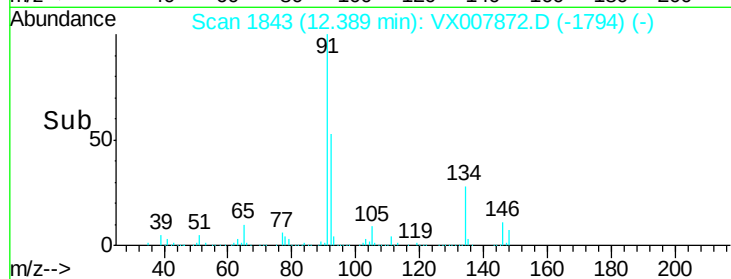
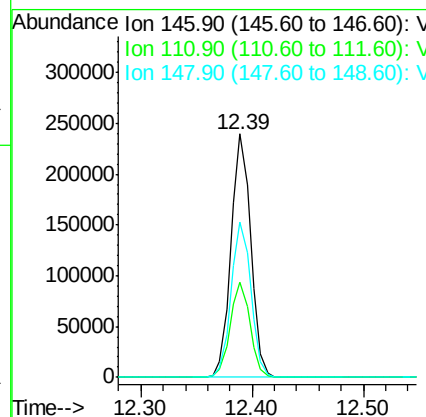
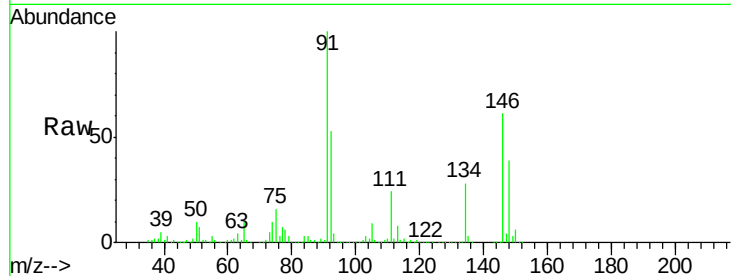
#91
 1,2-Dichlorobenzene
 Concen: 46.818 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.8
148	63.8	31.9	95.5

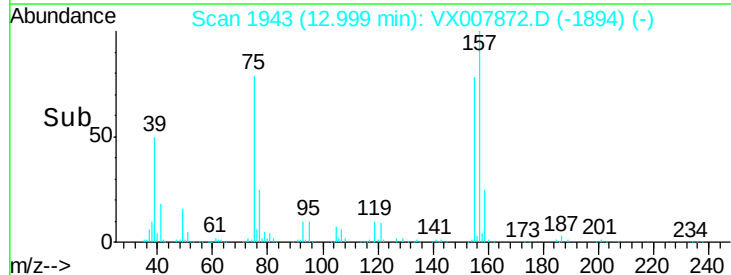
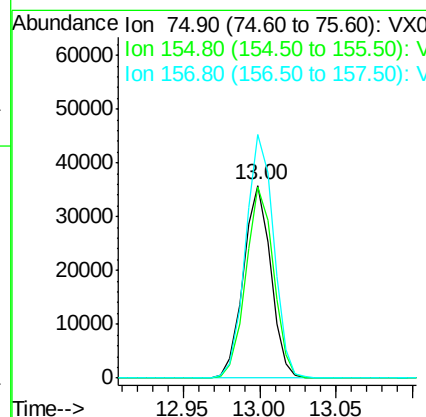
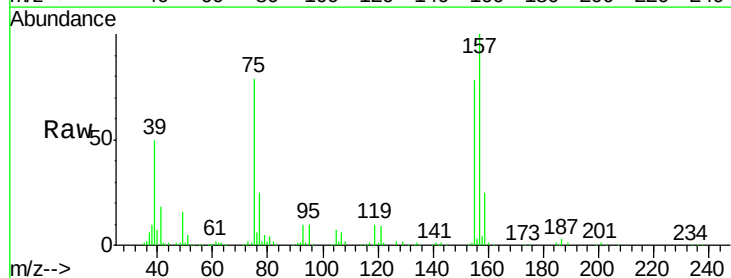
Manual Integrations
 APPROVED

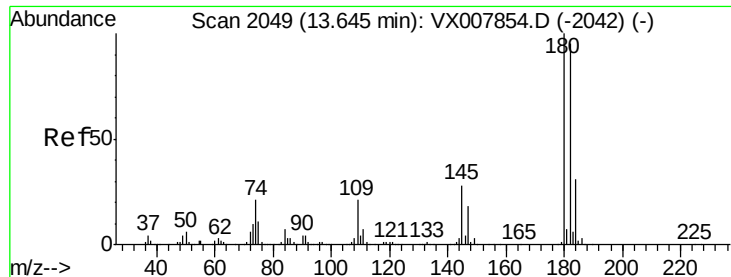
MMDadoda
 3/7/2019 10:35:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.174 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	49.7	149.1
157	129.3	63.8	191.4





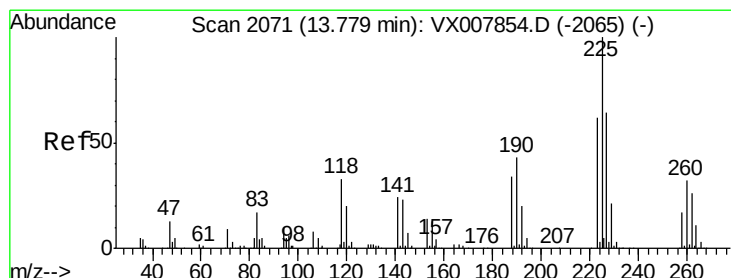
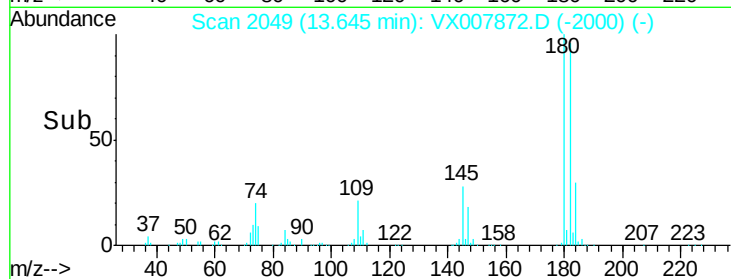
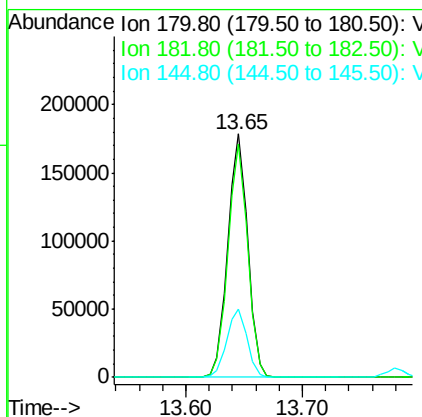
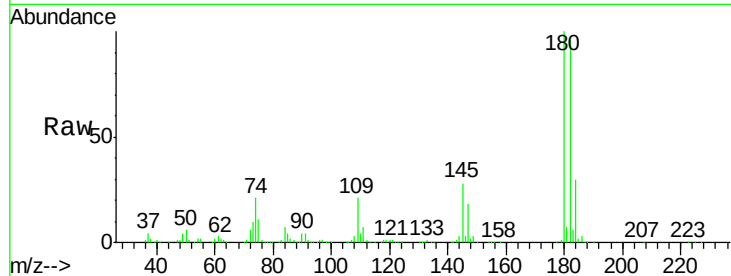
#93
 1,2,4-Trichlorobenzene
 Concen: 47.930 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	28.4	14.1	42.4

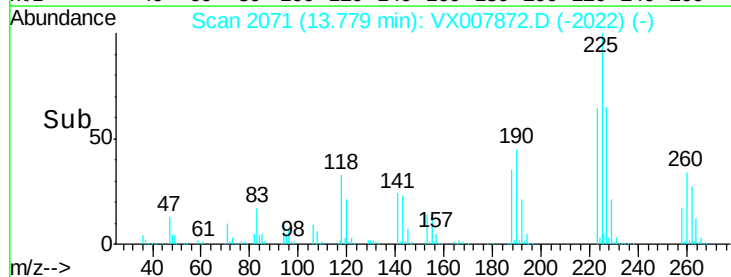
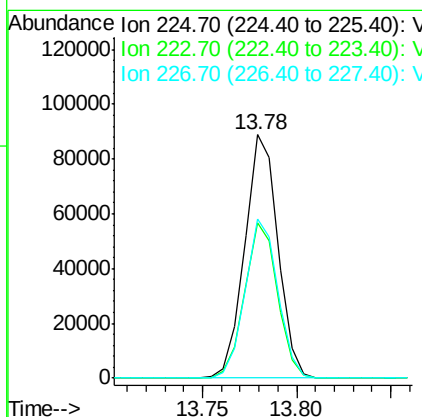
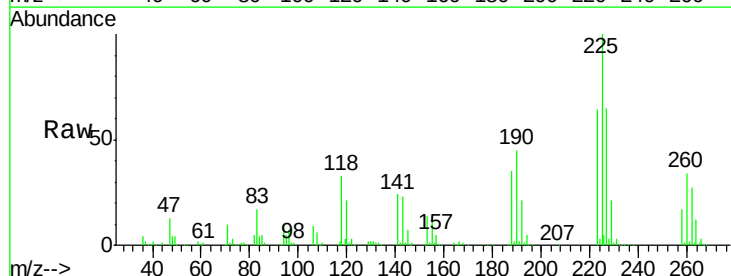
Manual Integrations
 APPROVED

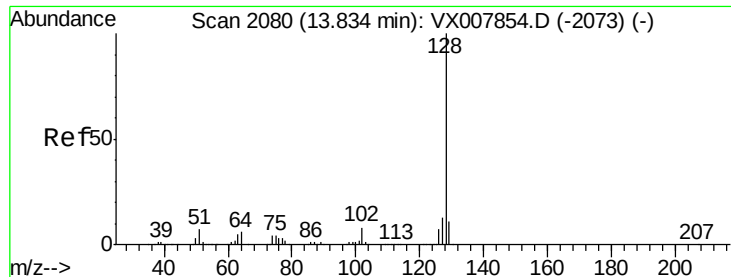
MMDadoda
 3/7/2019 10:35:45 AM



#94
 Hexachlorobutadiene
 Concen: 46.982 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007872.D
 Acq: 06 Mar 2019 20:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.2
227	64.6	32.0	96.0





#95

Naphthalene

Concen: 49.779 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Instrument :

MSVOA_X

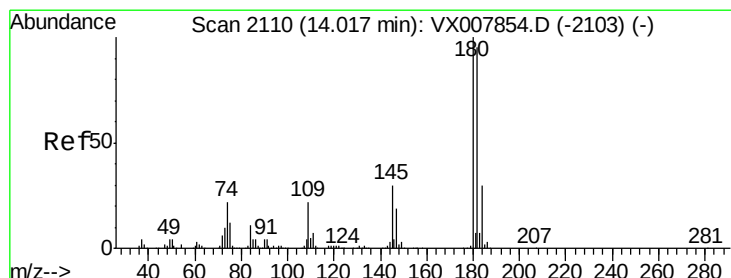
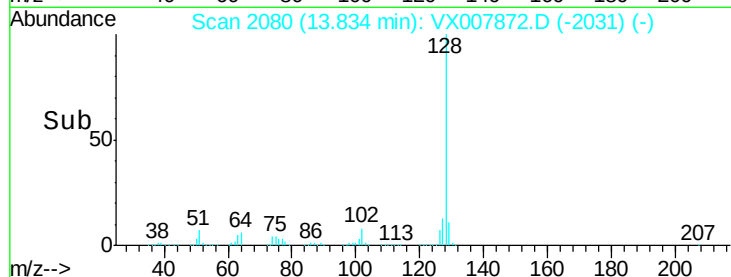
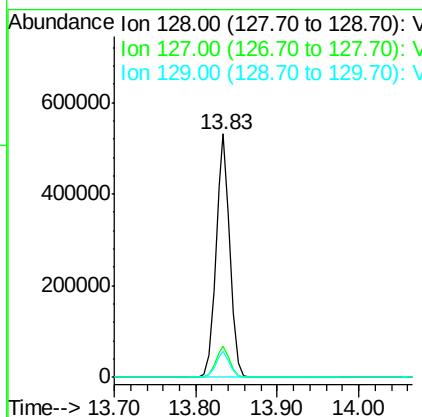
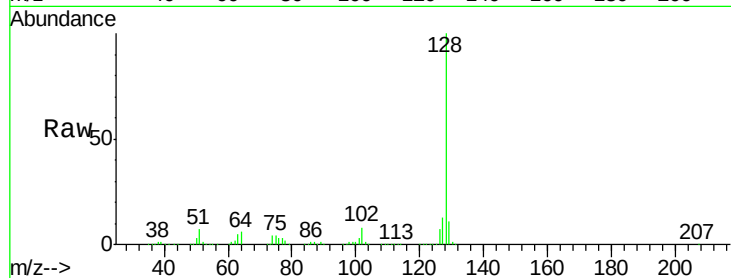
ClientSampled :

VSTDCCC050EC

Tot Ion:	128	Resp:	633424
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/7/2019 10:35:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 47.728 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007872.D

Acq: 06 Mar 2019 20:40

Tgt Ion:	180	Resp:	209971
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.5	142.5
145	30.0	14.8	44.3

