

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090819\
 Data File : VX012212.D
 Acq On : 08 Sep 2019 10:08
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:43:16 AM

Quant Time: Sep 09 01:56:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	121060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	212820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	196541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	97565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	88858	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
35) Dibromofluoromethane	5.48	113	71414	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
50) Toluene-d8	8.71	98	259320	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
62) 4-Bromofluorobenzene	11.14	95	114936	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	55591	49.796	ug/l	97
3) Chloromethane	1.31	50	60433	52.858	ug/l	96
4) Vinyl Chloride	1.39	62	57952	53.876	ug/l	97
5) Bromomethane	1.62	94	30846	57.807	ug/l	100
6) Chloroethane	1.71	64	36856	55.116	ug/l	99
7) Trichlorofluoromethane	1.92	101	94485	56.554	ug/l	99
8) Diethyl Ether	2.17	74	32188	55.751	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	65309	52.777	ug/l #	85
10) Methyl Iodide	2.50	142	52601	43.105	ug/l	93
11) Tert butyl alcohol	3.03	59	35116	218.871	ug/l	95
12) 1,1-Dichloroethene	2.36	96	61689	51.750	ug/l	87
13) Acrolein	2.28	56	8945	218.036	ug/l	98
14) Allyl chloride	2.71	41	115704	53.641	ug/l	97
15) Acrylonitrile	3.12	53	91367	251.839	ug/l	99
16) Acetone	2.43	43	119582	299.510	ug/l	97
17) Carbon Disulfide	2.56	76	175165	50.279	ug/l	99
18) Methyl Acetate	2.76	43	45504	48.380	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	197936	51.003	ug/l	99
20) Methylene Chloride	2.84	84	74440	46.430	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	72202	51.614	ug/l	91
22) Diisopropyl ether	3.84	45	234547	53.348	ug/l	97
23) Vinyl Acetate	3.80	43	769023	270.395	ug/l	97
24) 1,1-Dichloroethane	3.68	63	133364	52.302	ug/l	98
25) 2-Butanone	4.65	43	138842	273.189	ug/l	95
26) 2,2-Dichloropropane	4.56	77	129331	54.937	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	84211	51.356	ug/l	89
28) Bromochloromethane	5.00	49	51186	50.288	ug/l #	79
29) Tetrahydrofuran	5.11	42	77424	252.849	ug/l	98
30) Chloroform	5.19	83	143972	52.620	ug/l	100
31) Cyclohexane	5.57	56	102997	50.294	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	129255	54.241	ug/l	97
36) 1,1-Dichloropropene	5.78	75	103936	55.450	ug/l	94
37) Ethyl Acetate	4.81	43	56170	55.108	ug/l	99
38) Carbon Tetrachloride	5.77	117	110330	55.860	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	111721	51.355	ug/l	92
40) Benzene	6.13	78	292954	54.442	ug/l	99
41) Methacrylonitrile	5.02	41	32553	53.554	ug/l	97
42) 1,2-Dichloroethane	6.18	62	111302	57.477	ug/l	96
43) Isopropyl Acetate	6.43	43	113227	54.632	ug/l	98
44) Trichloroethene	7.20	130	78994	54.427	ug/l	84
45) 1,2-Dichloropropane	7.50	63	74320	53.457	ug/l	98
46) Dibromomethane	7.65	93	43237	53.275	ug/l #	74
47) Bromodichloromethane	7.89	83	111244	53.925	ug/l	98
48) Methyl methacrylate	7.76	41	55626	53.379	ug/l	94
49) 1,4-Dioxane	7.73	88	13297	936.015	ug/l	95
51) 4-Methyl-2-Pentanone	8.64	43	285215	270.557	ug/l	97
52) Toluene	8.78	92	190605	54.440	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	113050	52.932	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	128731	54.202	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	61471	52.978	ug/l	97
56) Ethyl methacrylate	9.17	69	86060	51.781	ug/l	93
57) 1,3-Dichloropropane	9.37	76	108201	54.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	169522	226.244	ug/l	93
59) 2-Hexanone	9.48	43	213349	277.362	ug/l	96
60) Dibromochloromethane	9.57	129	73644	53.255	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59703	53.250	ug/l	97
64) Tetrachloroethene	9.33	164	65269	53.267	ug/l #	88
65) Chlorobenzene	10.14	112	206762	53.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	77151	54.411	ug/l	98
67) Ethyl Benzene	10.25	91	380864	53.881	ug/l	95
68) m/p-Xylenes	10.35	106	278857	107.073	ug/l	90
69) o-Xylene	10.70	106	133013	52.670	ug/l	90
70) Styrene	10.71	104	236508	53.918	ug/l	95
71) Bromoform	10.85	173	39352	50.529	ug/l #	97
73) Isopropylbenzene	11.01	105	372924	52.095	ug/l	96
74) N-amyl acetate	10.89	43	107366	50.727	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	73236	49.074	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	57154m	47.944	ug/l	
77) Bromobenzene	11.25	156	85194	53.213	ug/l	71
78) n-propylbenzene	11.35	91	443674	51.302	ug/l	94
79) 2-Chlorotoluene	11.42	91	274436	52.379	ug/l	88
80) 1,3,5-Trimethylbenzene	11.50	105	330720	52.719	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	22702	45.022	ug/l	91
82) 4-Chlorotoluene	11.51	91	323172	51.750	ug/l	92
83) tert-Butylbenzene	11.77	119	319648	53.460	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	338471	52.496	ug/l	94
85) sec-Butylbenzene	11.94	105	386329	52.019	ug/l	94
86) p-Isopropyltoluene	12.06	119	354568	52.497	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	170799	53.240	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	168373	52.489	ug/l	94
89) n-Butylbenzene	12.38	91	345471	52.656	ug/l	96
90) Hexachloroethane	12.59	117	66037	48.968	ug/l	57
91) 1,2-Dichlorobenzene	12.38	146	149594	51.775	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14518	46.489	ug/l	67

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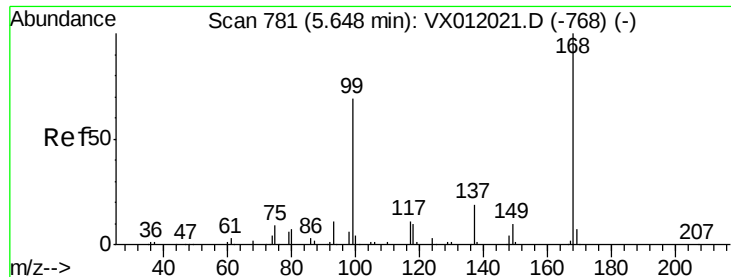
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	105891	51.491	ug/l	97
94) Hexachlorobutadiene	13.78	225	57269	55.244	ug/l	96
95) Naphthalene	13.83	128	220752	49.598	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	91394	50.515	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 121060

Ion Ratio Lower Upper

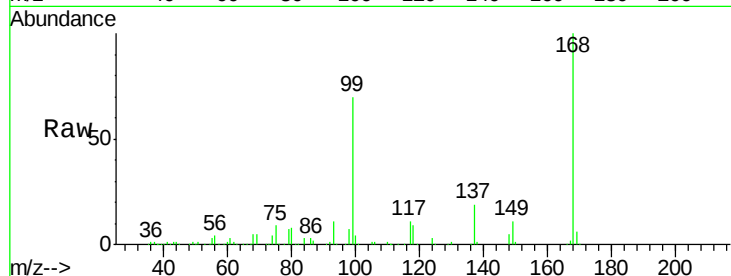
168 100

99 69.6 37.6 56.4#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

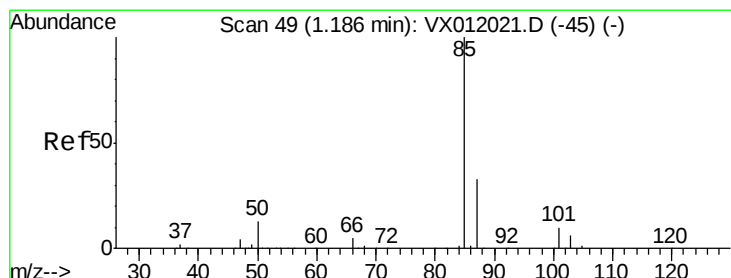
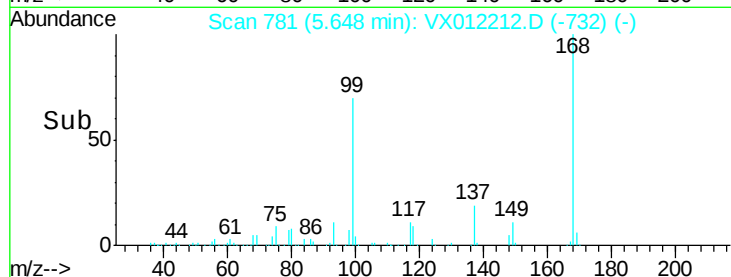
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 49.796 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012212.D

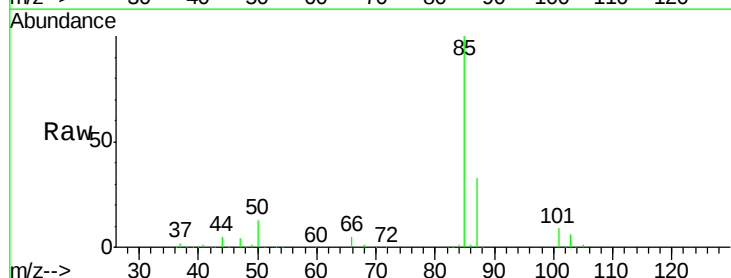
Acq: 08 Sep 2019 10:08

Tgt Ion: 85 Resp: 55591

Ion Ratio Lower Upper

85 100

87 32.7 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

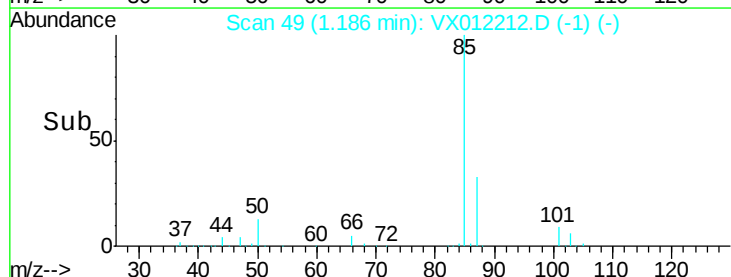
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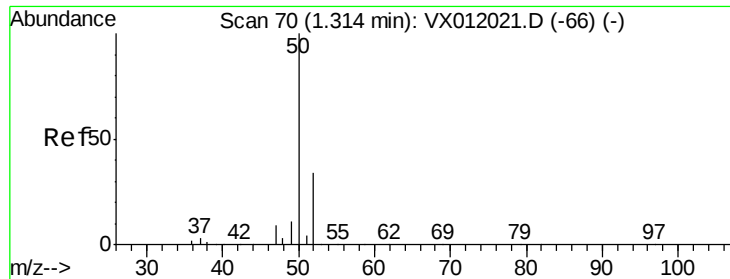
20000

10000

0

Time--> 1.10 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 52.858 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 60433

Ion Ratio Lower Upper

50 100

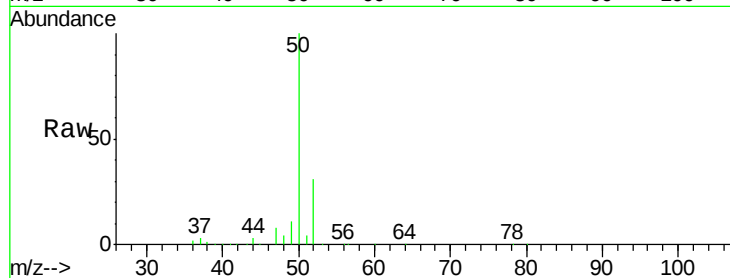
52 31.1 26.5 39.7

Manual Integrations

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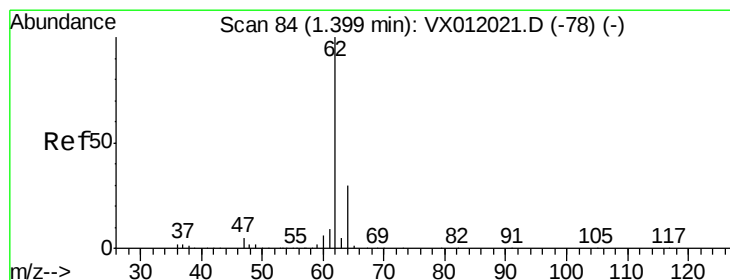
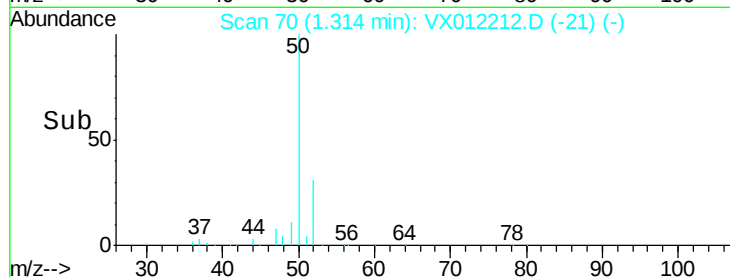
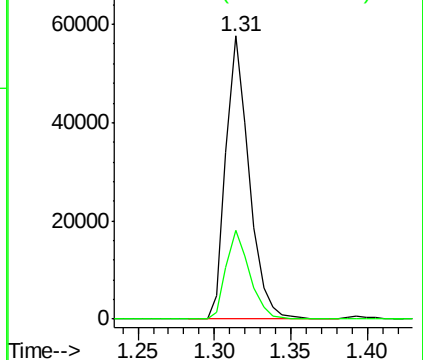
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 53.876 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012212.D

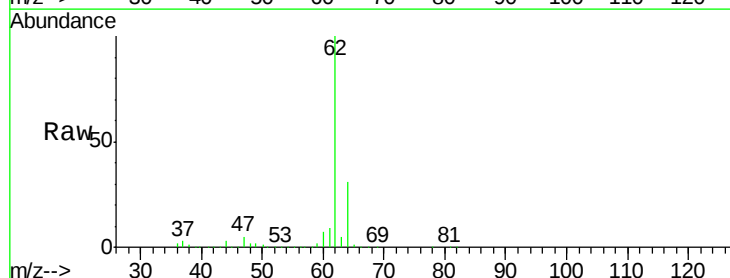
Acq: 08 Sep 2019 10:08

Tgt Ion: 62 Resp: 57952

Ion Ratio Lower Upper

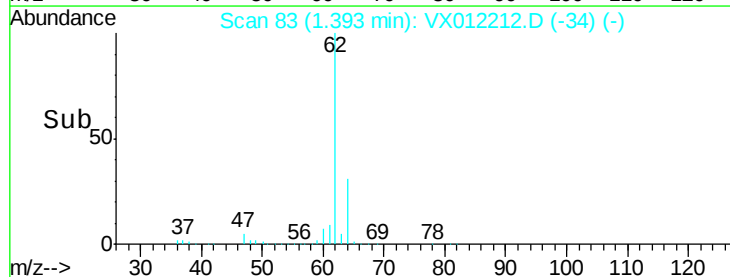
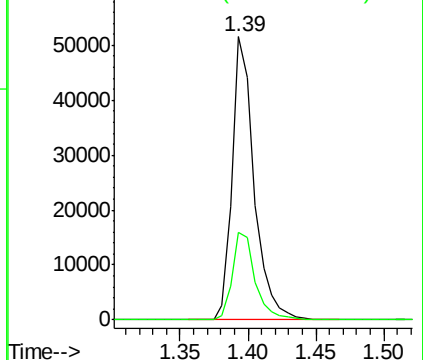
62 100

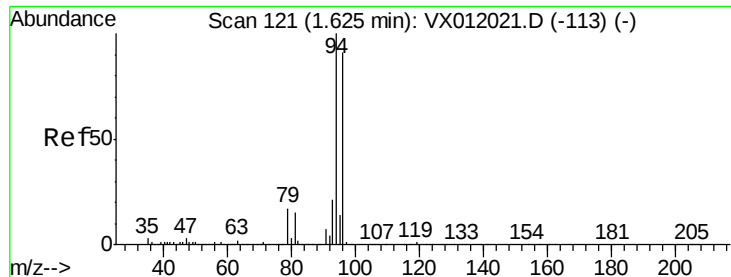
64 30.9 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 57.807 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 30846

Ion Ratio Lower Upper

94 100

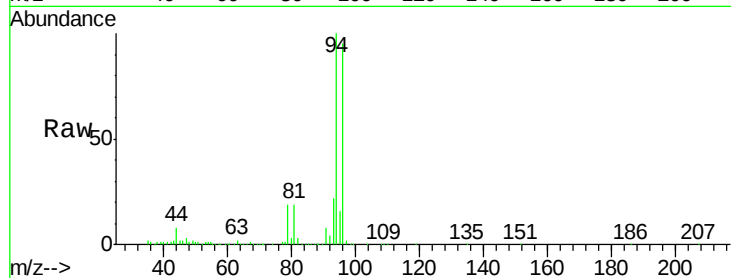
96 95.2 76.3 114.5

Manual Integrations

APPROVED

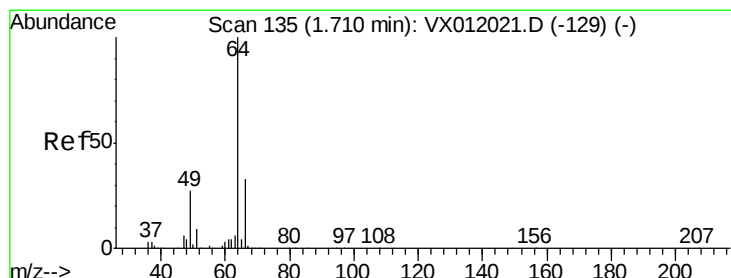
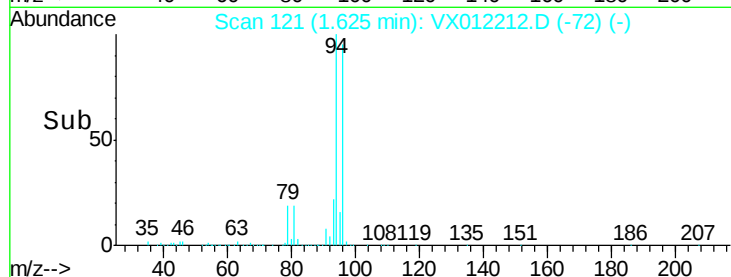
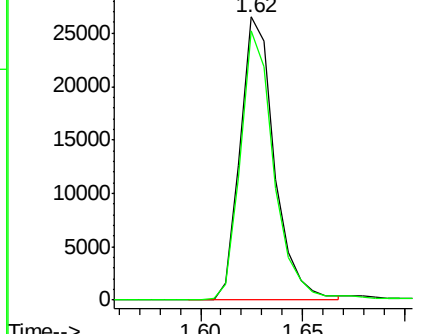
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.116 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012212.D

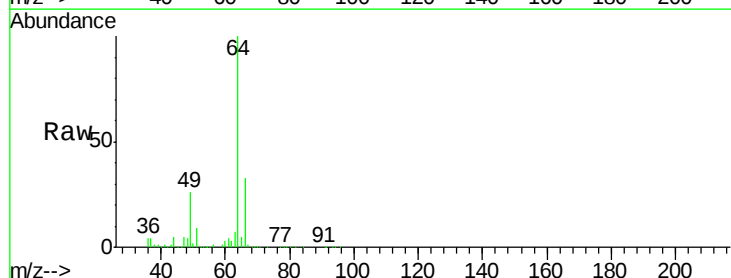
Acq: 08 Sep 2019 10:08

Tgt Ion: 64 Resp: 36856

Ion Ratio Lower Upper

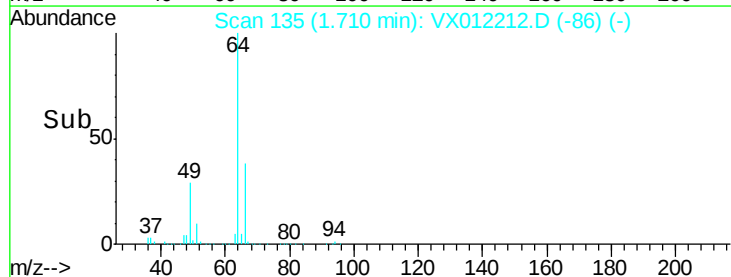
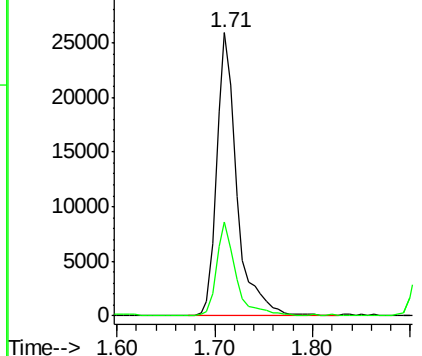
64 100

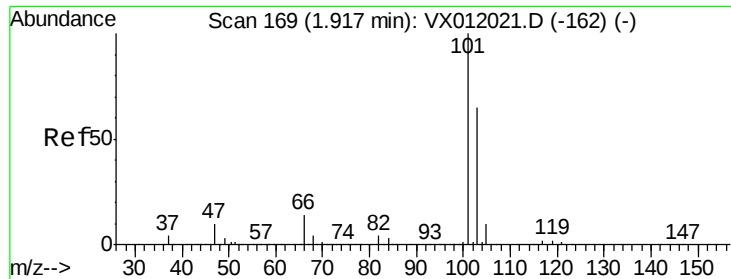
66 33.5 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

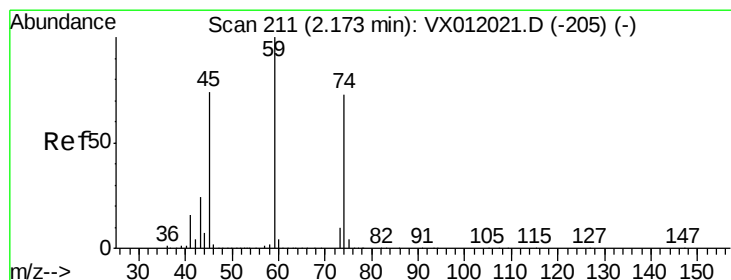
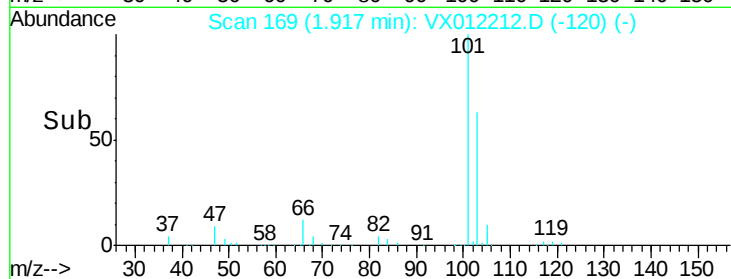
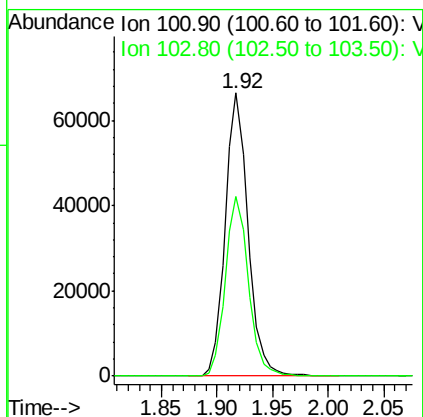
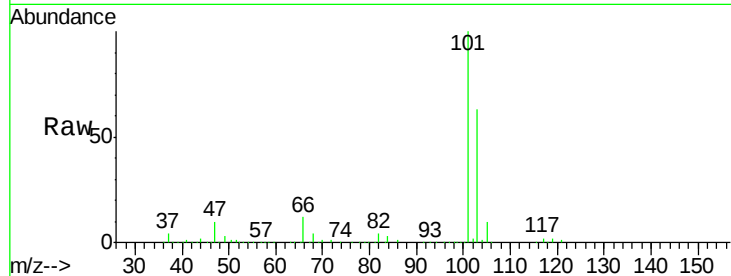
Trichlorofluoromethane
Concen: 56.554 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.6	77.4

Manual Integrations
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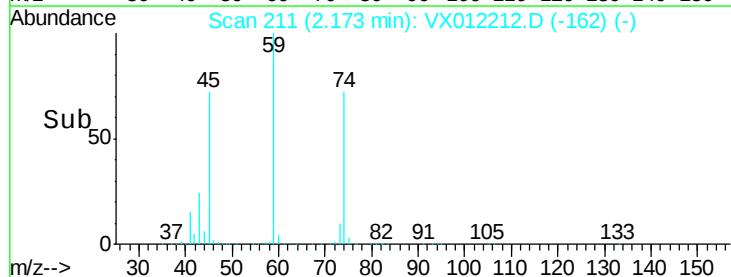
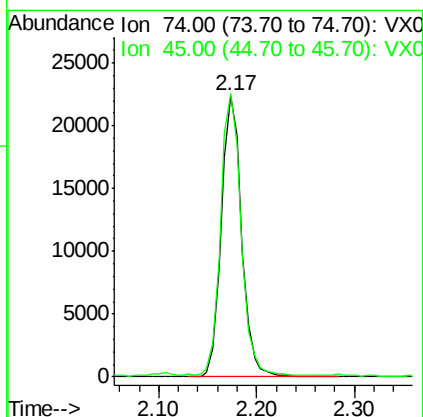
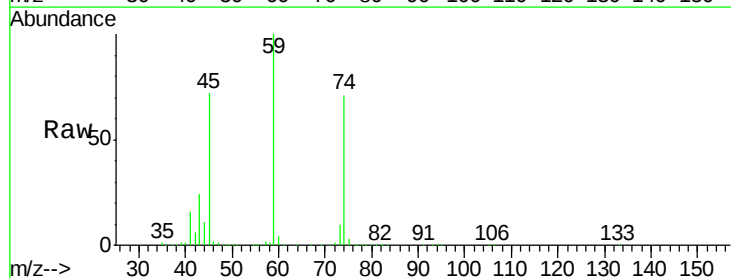
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9/9/2019 8:43:16 AM

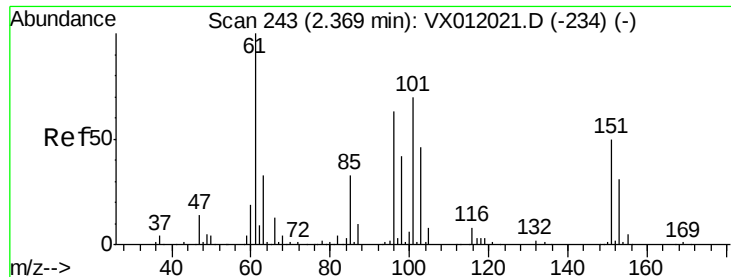


#8

Diethyl Ether
Concen: 55.751 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.777 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

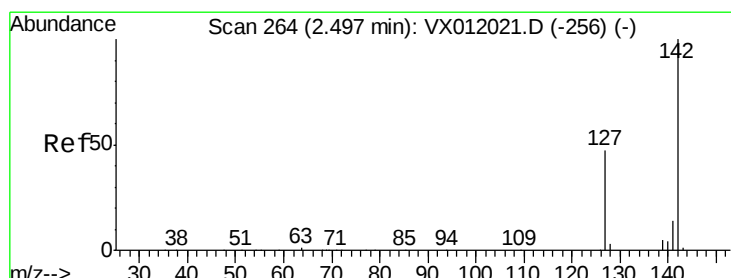
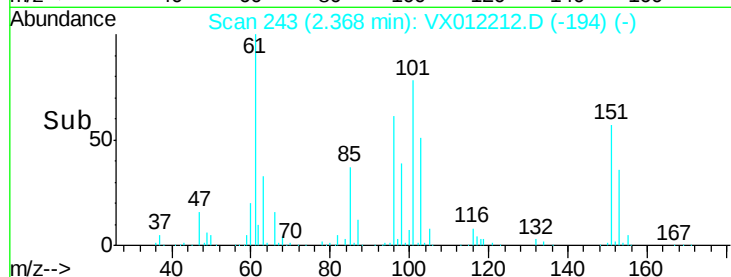
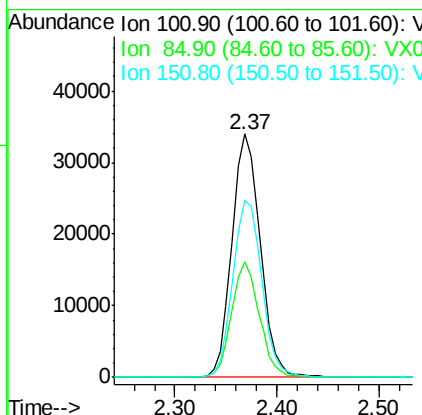
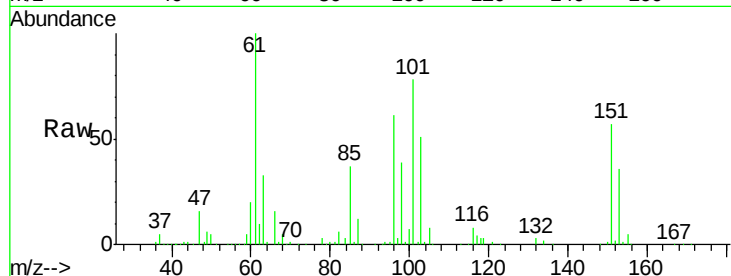
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	65309
Ion Ratio	Lower	Upper	
101	100		
85	46.4	34.5	51.7
151	74.4	75.0	112.4#

Manual Integrations
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#10

Methyl Iodide

Concen: 43.105 ug/l

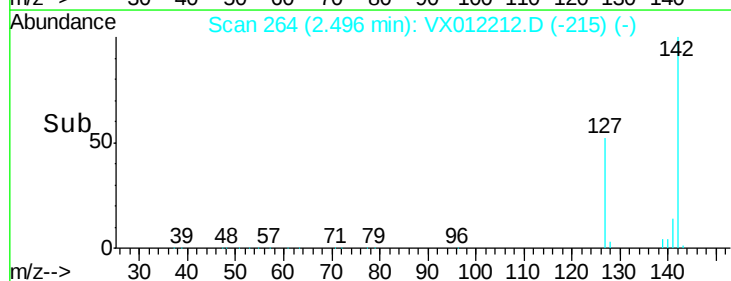
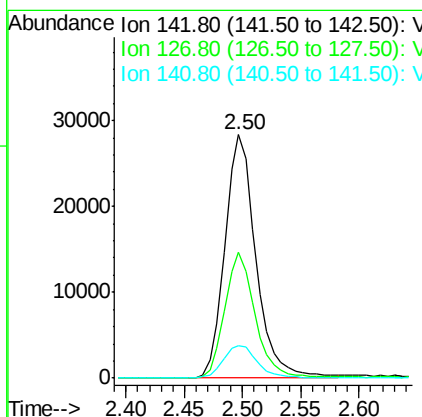
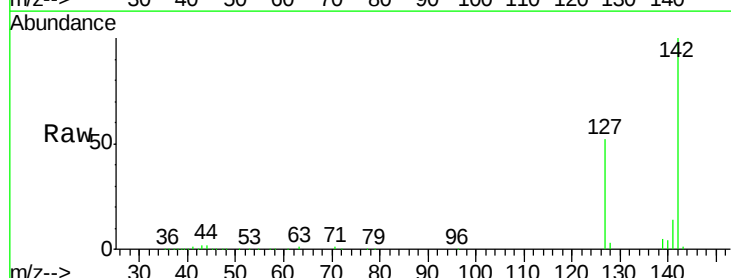
RT: 2.50 min Scan# 264

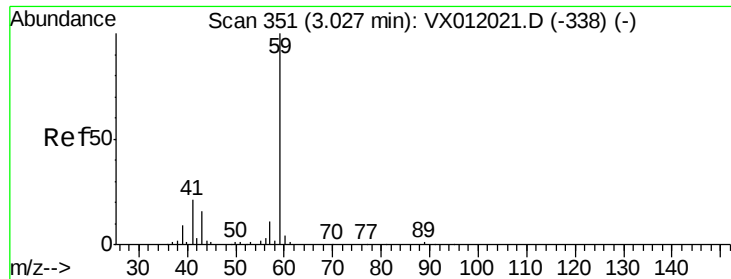
Delta R.T. 0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tgt Ion:	142	Resp:	52601
Ion Ratio	Lower	Upper	
142	100		
127	50.6	35.4	53.2
141	14.5	11.4	17.2





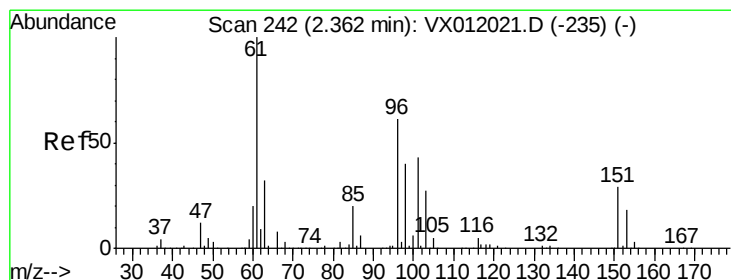
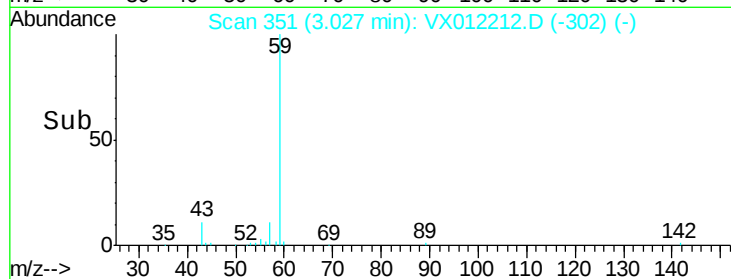
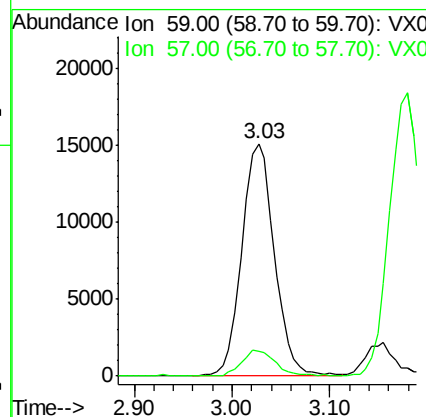
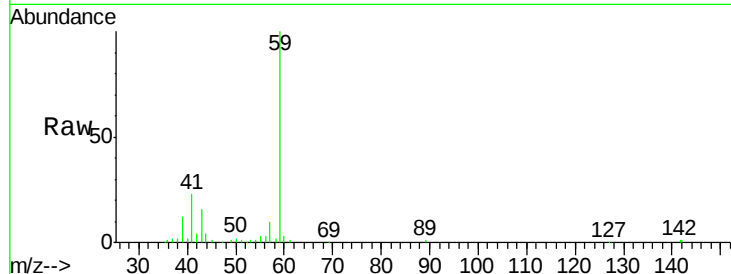
#11
Tert butyl alcohol
Concen: 218.871 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	7.9	11.9

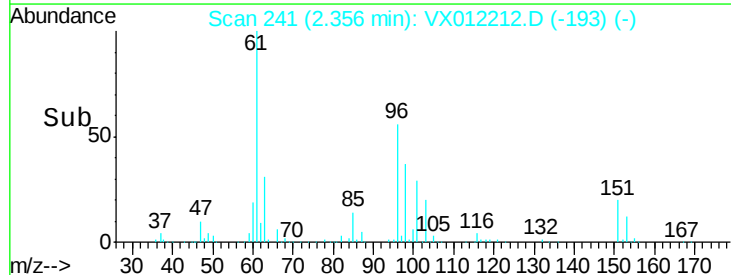
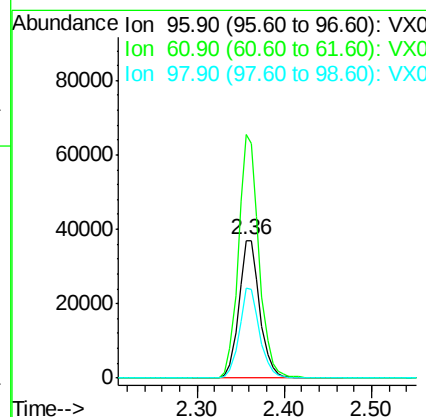
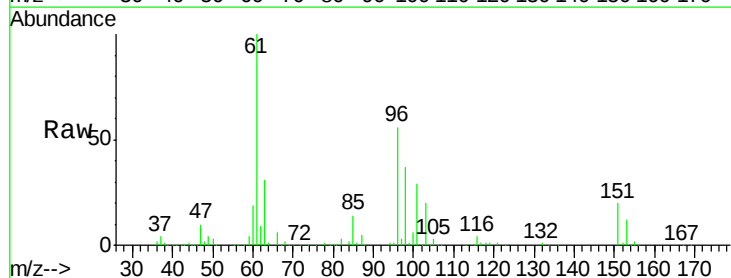
Manual Integrations
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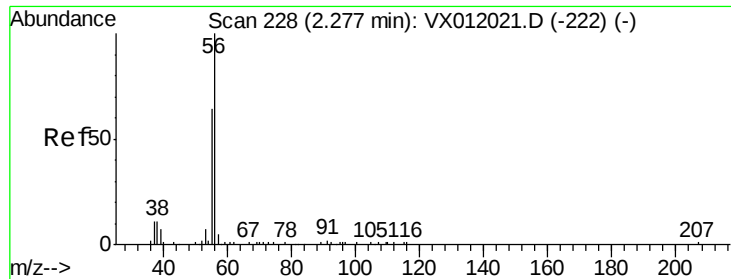
MMDadoda
9/9/2019 8:43:16 AM



#12
1,1-Dichloroethene
Concen: 51.750 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.01 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.2	124.1	186.1
98	65.9	50.2	75.2





#13

Acrolein

Concen: 218.036 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 8945

Ion Ratio Lower Upper

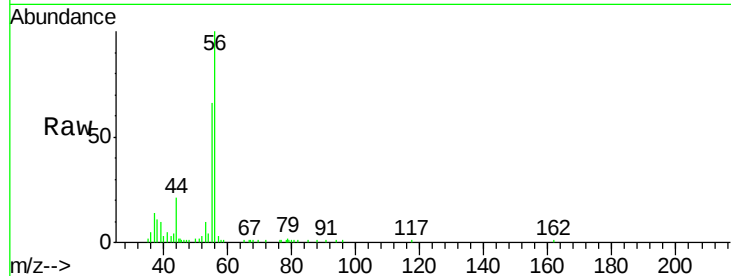
56 100

55 72.4 59.2 88.8

Manual Integrations
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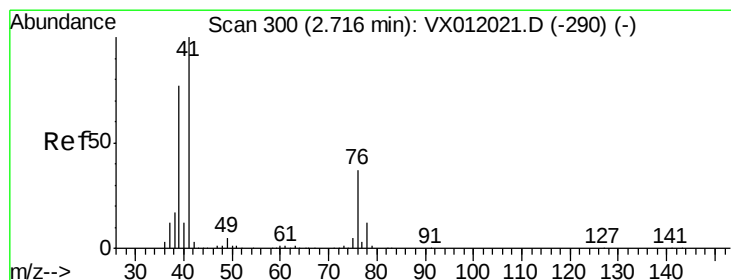
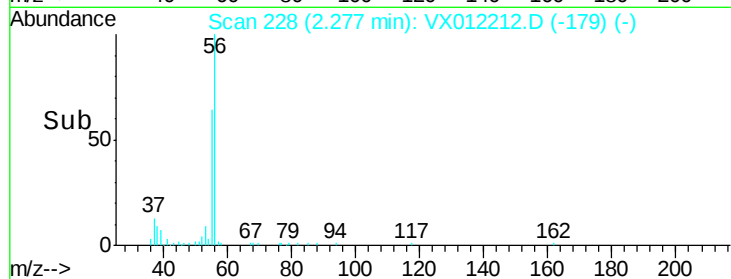
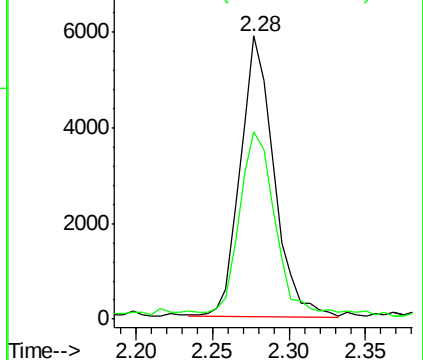
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.641 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

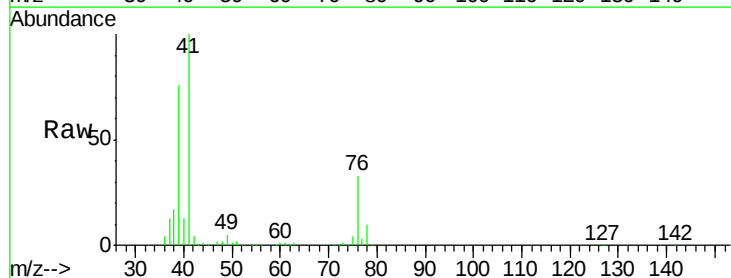
Tgt Ion: 41 Resp: 115704

Ion Ratio Lower Upper

41 100

39 74.8 57.9 86.9

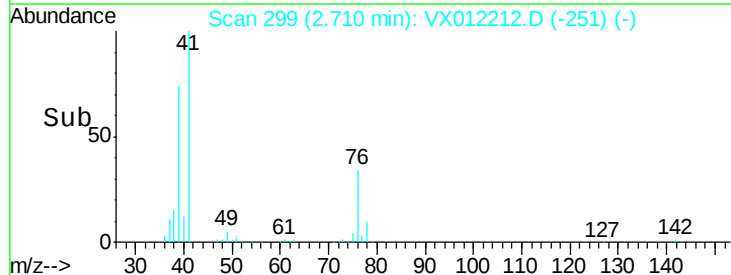
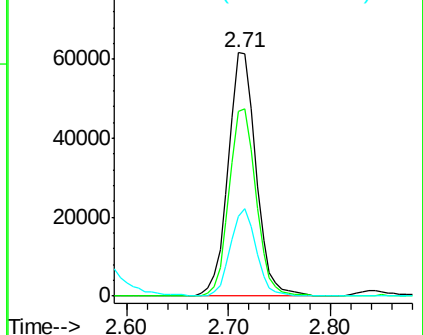
76 33.7 28.5 42.7

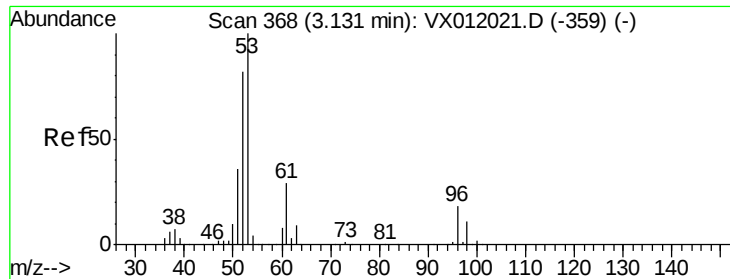


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 251.839 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

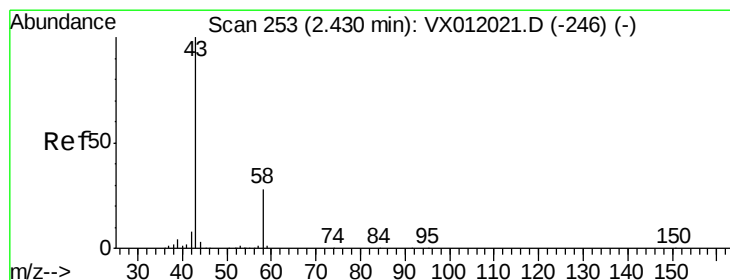
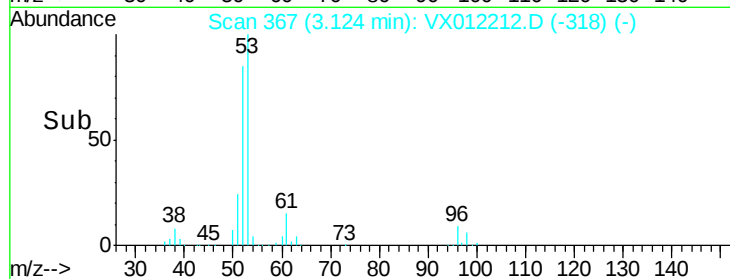
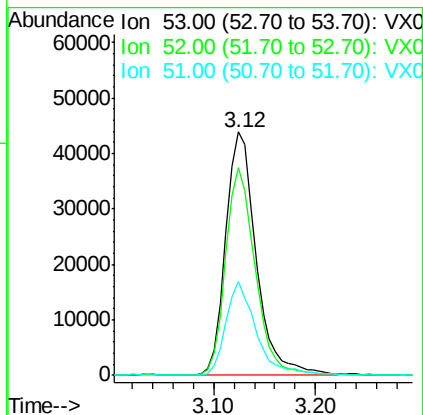
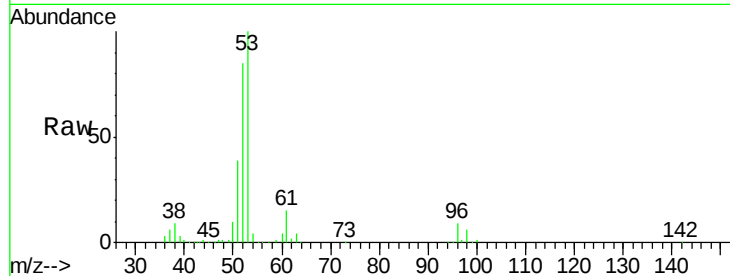
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	91367
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.6	98.4
51	38.4	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 299.510 ug/l

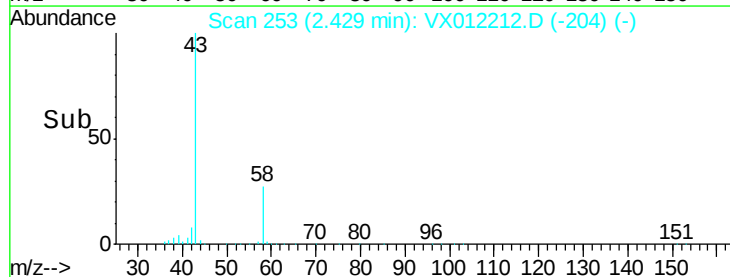
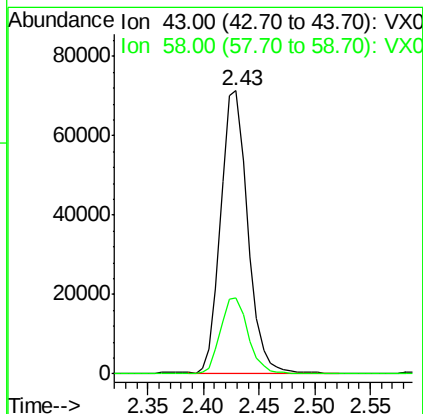
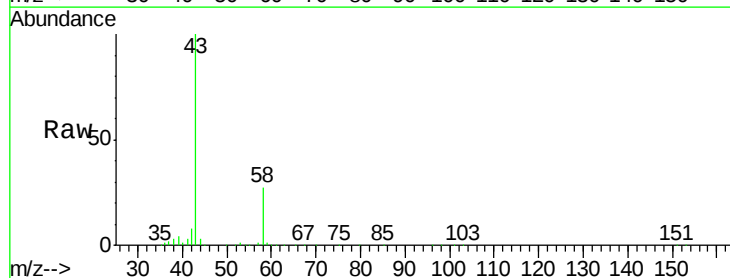
RT: 2.43 min Scan# 253

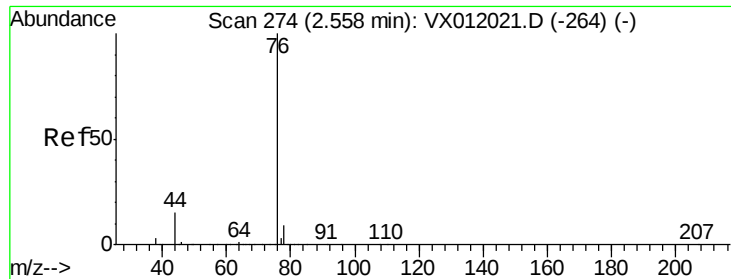
Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tgt Ion:	43	Resp:	119582
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.8	34.2





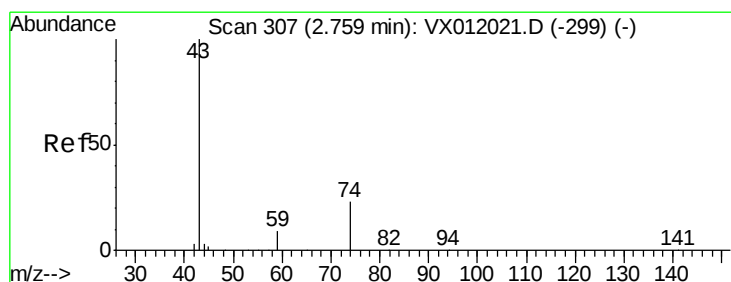
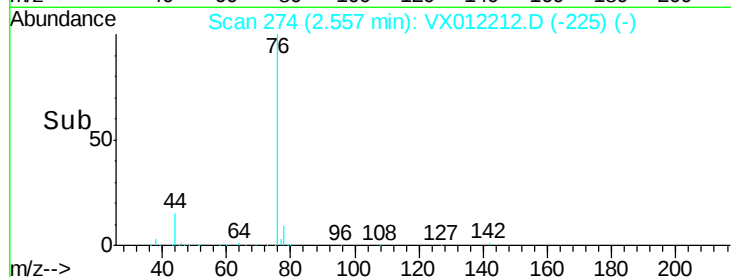
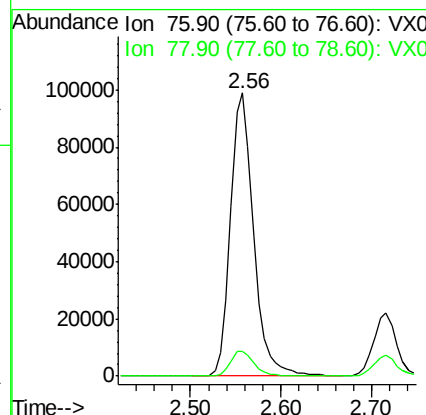
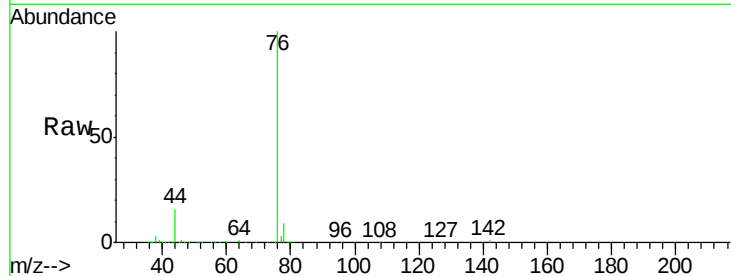
#17
Carbon Disulfide
Concen: 50.279 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

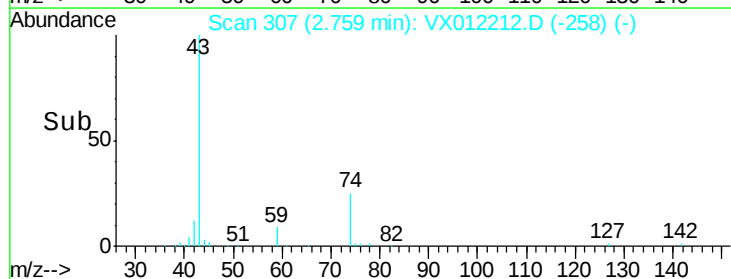
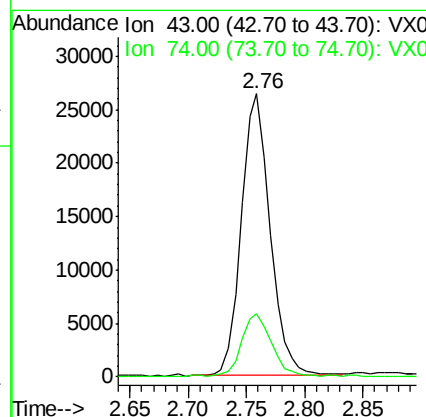
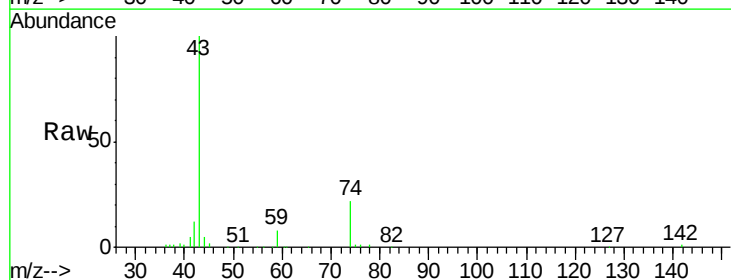
Manual Integrations
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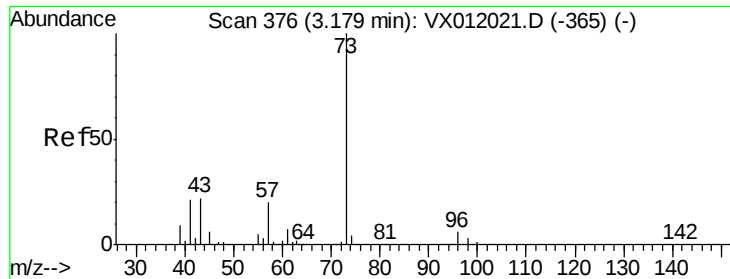
MMDadoda
9/9/2019 8:43:16 AM



#18
Methyl Acetate
Concen: 48.380 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.5	29.3





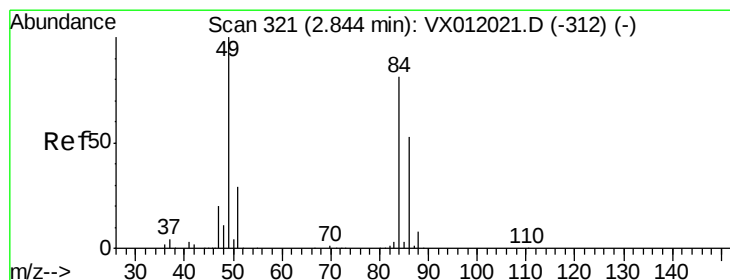
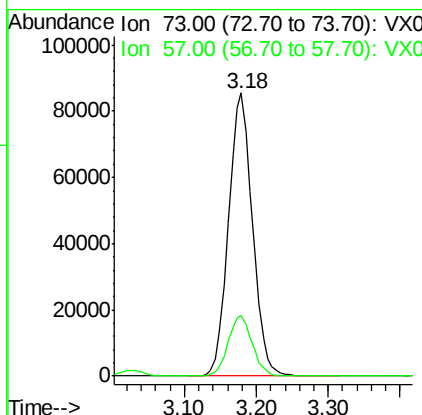
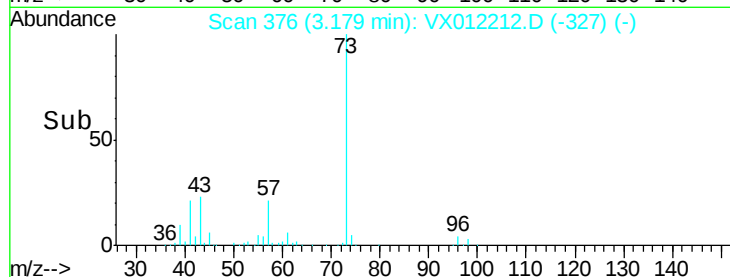
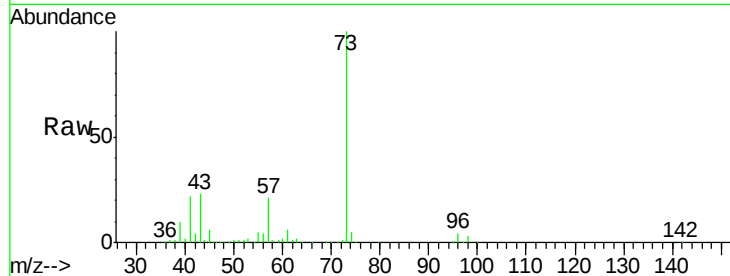
#19
Methyl tert-butyl Ether
Concen: 51.003 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.6	25.0

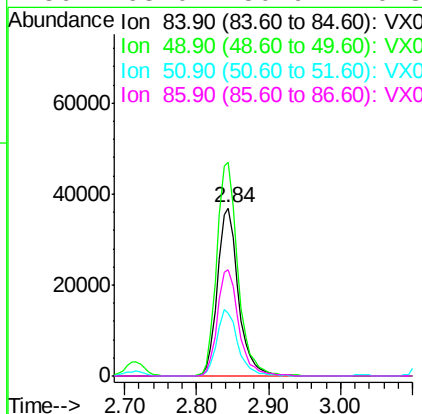
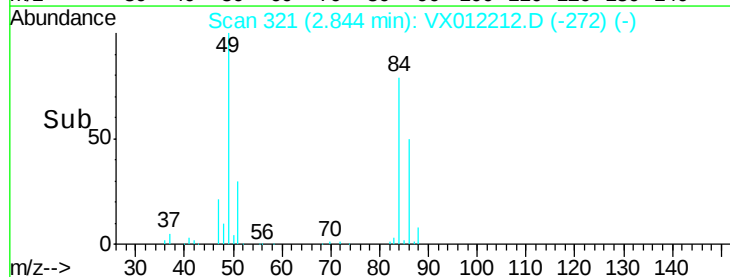
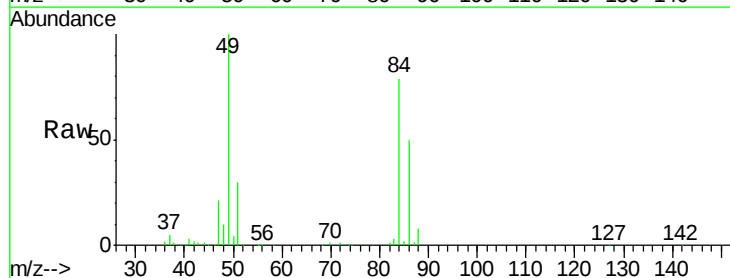
Manual Integrations
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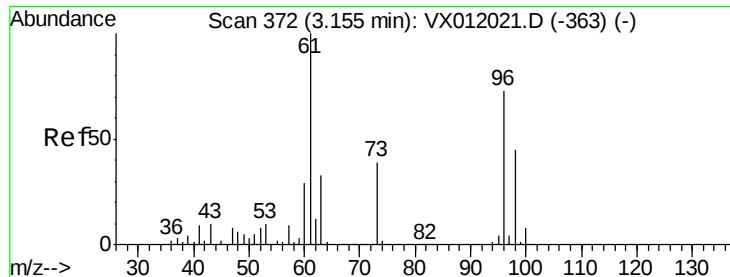
MMDadoda
9/9/2019 8:43:16 AM



#20
Methylene Chloride
Concen: 46.430 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.1	95.8	143.8
51	37.6	28.6	43.0
86	63.0	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 51.614 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 72202

Ion Ratio Lower Upper

96 100

61 148.7 107.0 160.6

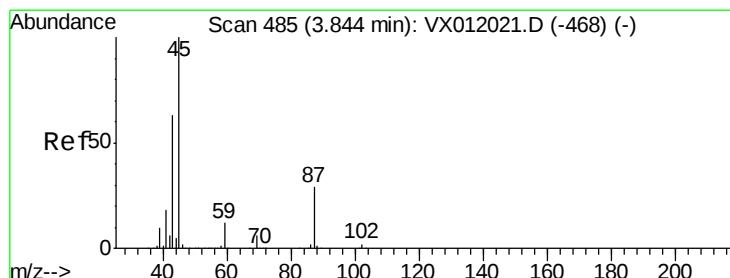
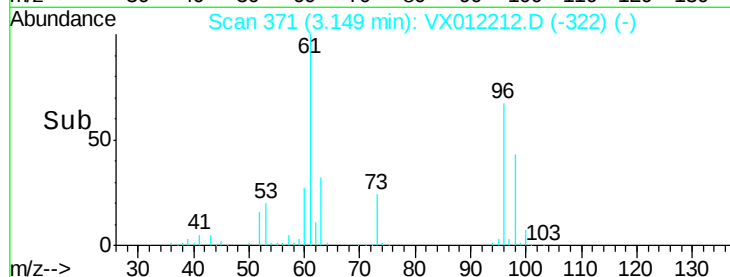
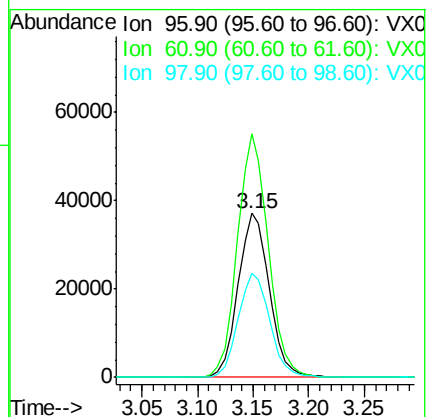
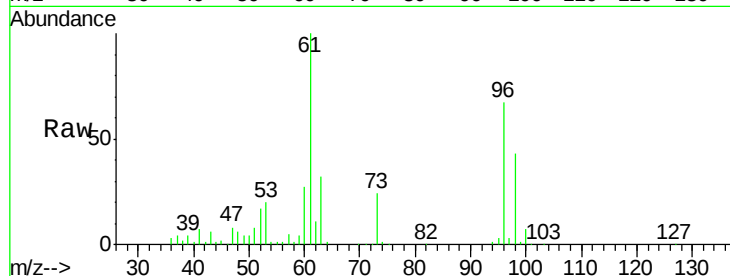
98 63.6 49.8 74.6

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#22

Diisopropyl ether

Concen: 53.348 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tgt Ion: 45 Resp: 234547

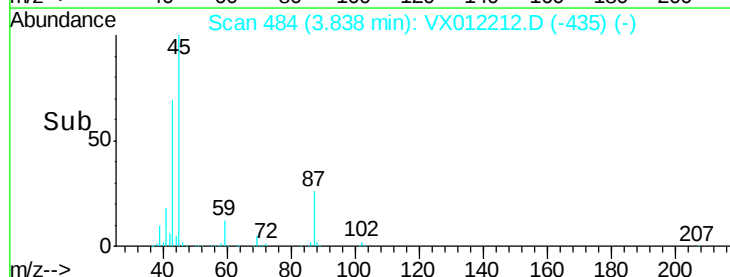
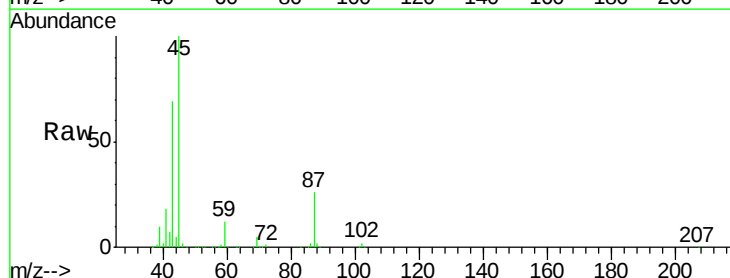
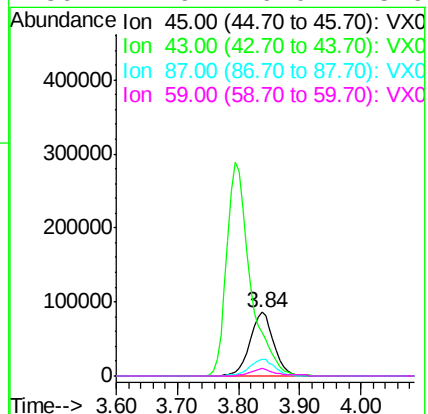
Ion Ratio Lower Upper

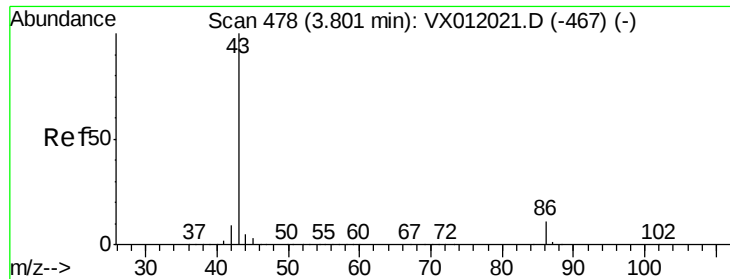
45 100

43 69.3 54.2 81.4

87 26.4 23.4 35.0

59 11.6 9.0 13.6





#23

Vinyl Acetate

Concen: 270.395 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 769023

Ion Ratio Lower Upper

43 100

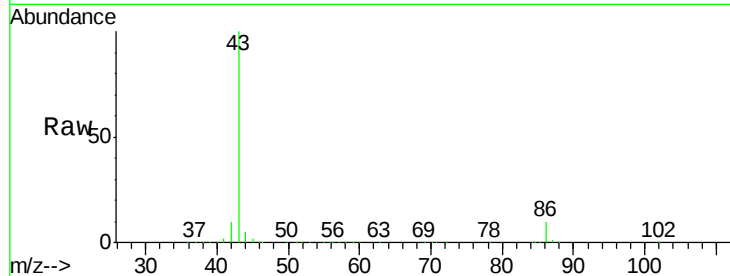
86 10.2 9.0 13.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

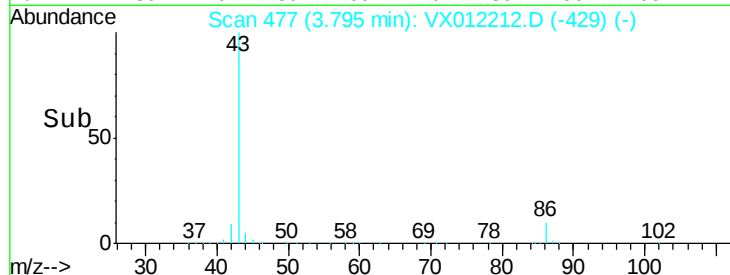
300000

200000

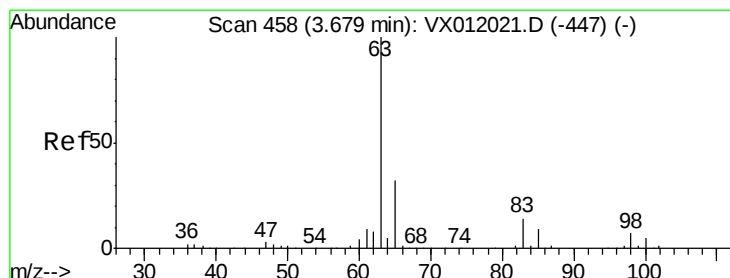
100000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 52.302 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

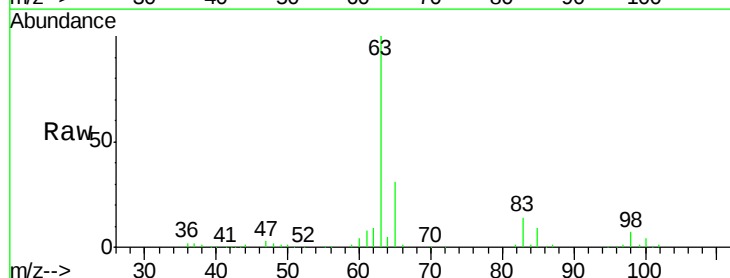
Tgt Ion: 63 Resp: 133364

Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

100 4.1 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

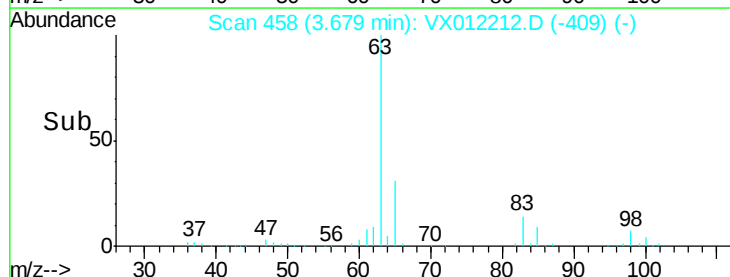
60000

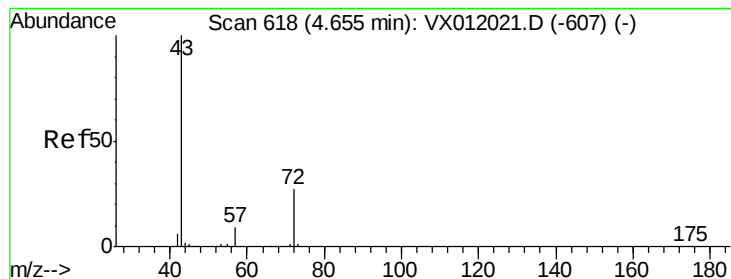
40000

20000

0

Time-->





#25

2-Butanone

Concen: 273.189 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tot Ion: 43 Resp: 138842

Ion Ratio Lower Upper

43 100

72 24.1 21.3 31.9

Instrument :

MSVOA_X

ClientSampleId :

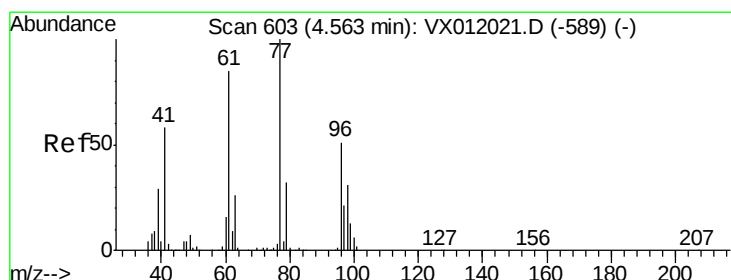
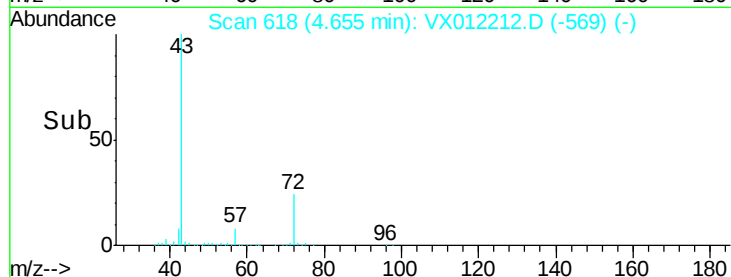
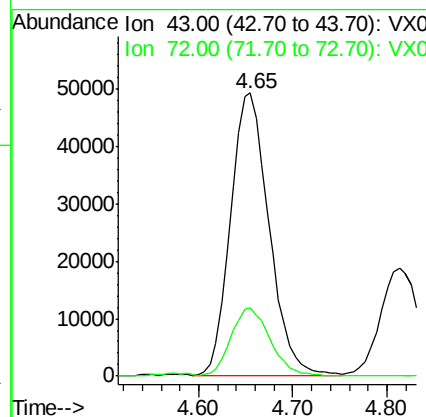
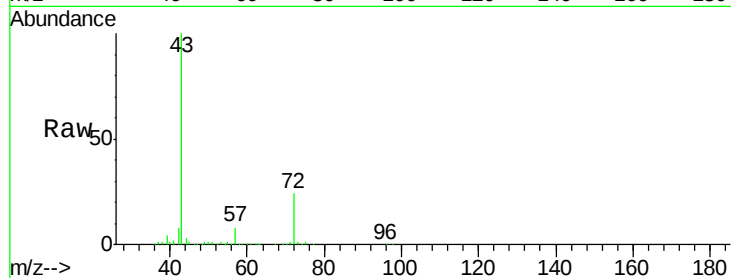
VSTDCCC050

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#26

2,2-Dichloropropane

Concen: 54.937 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012212.D

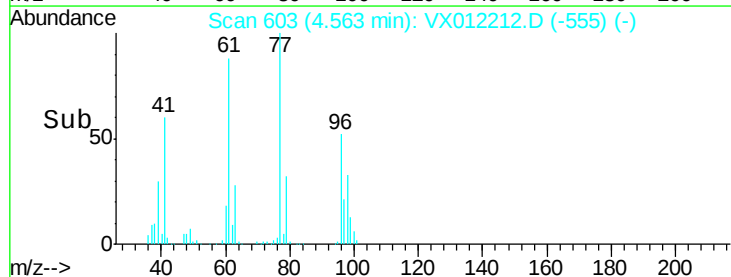
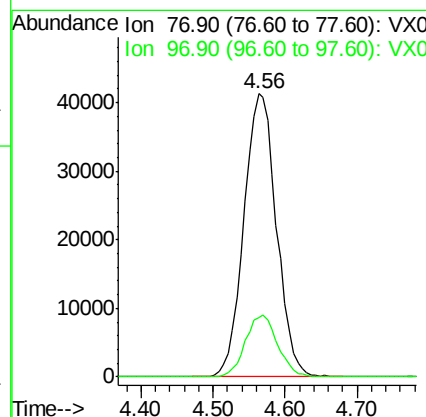
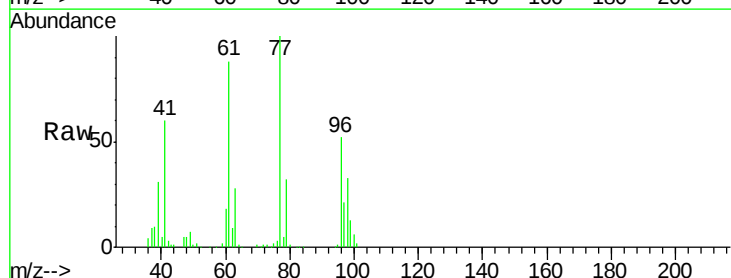
Acq: 08 Sep 2019 10:08

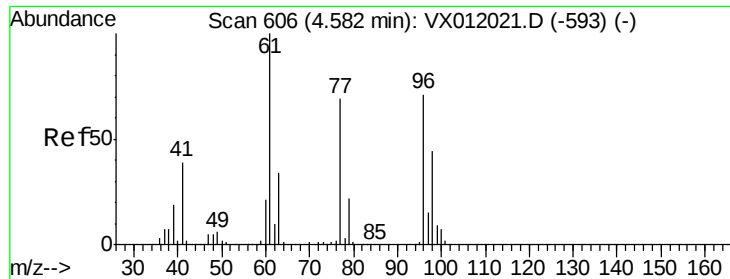
Tgt Ion: 77 Resp: 129331

Ion Ratio Lower Upper

77 100

97 21.7 11.5 34.5





#27

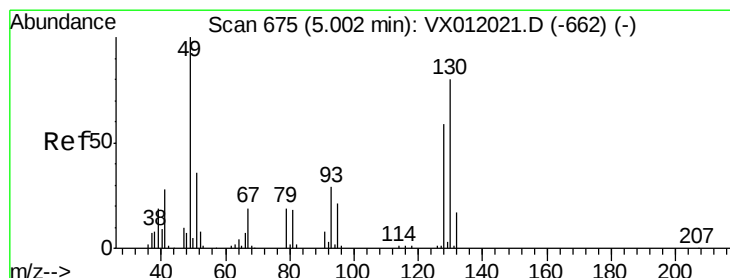
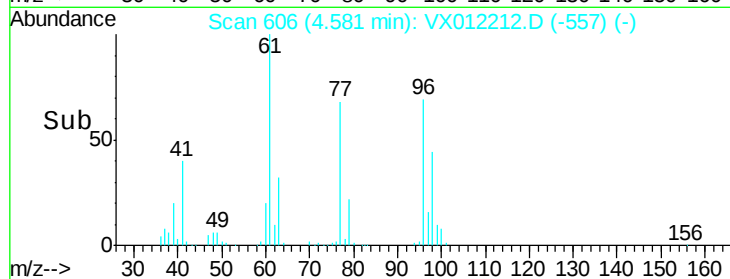
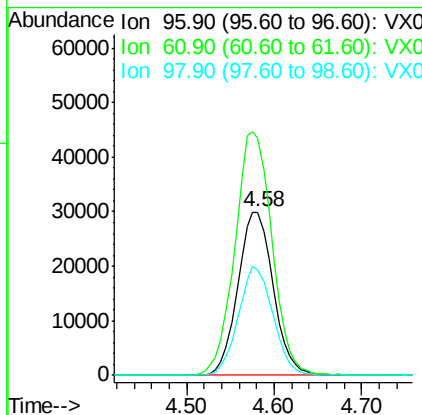
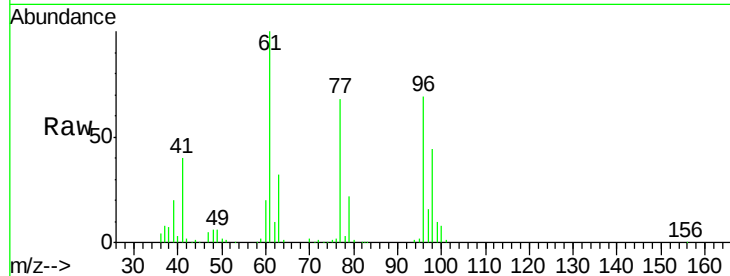
cis-1,2-Dichloroethene
Concen: 51.356 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	277.0
98	65.4	0.0	128.4

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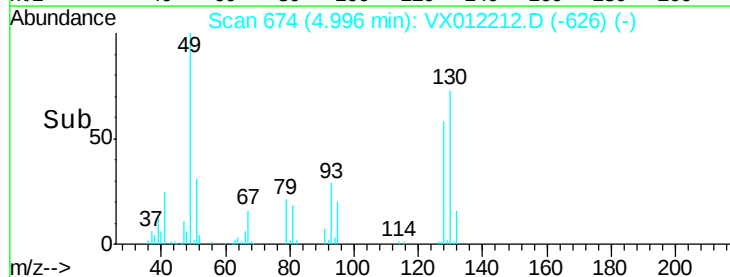
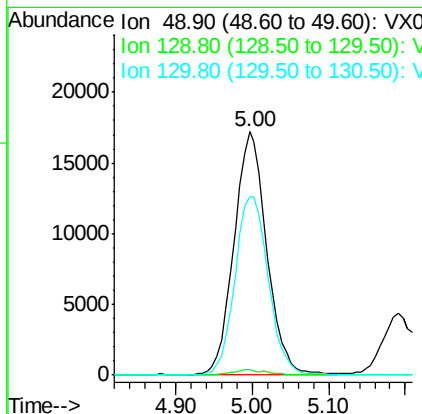
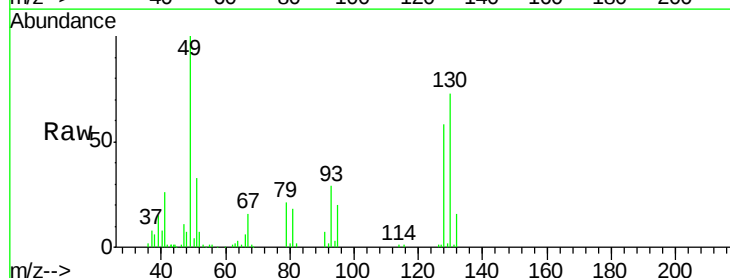
MMDadoda
9/9/2019 8:43:16 AM

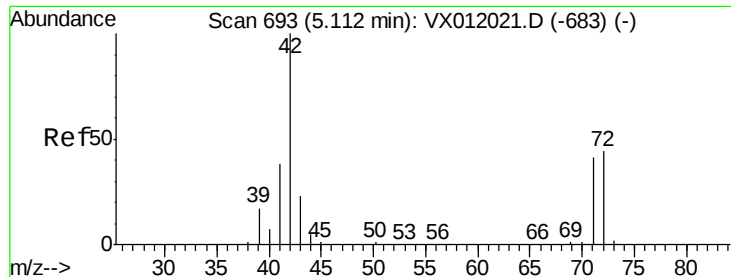


#28

Bromochloromethane
Concen: 50.288 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.6
130	74.8	76.7	115.1#





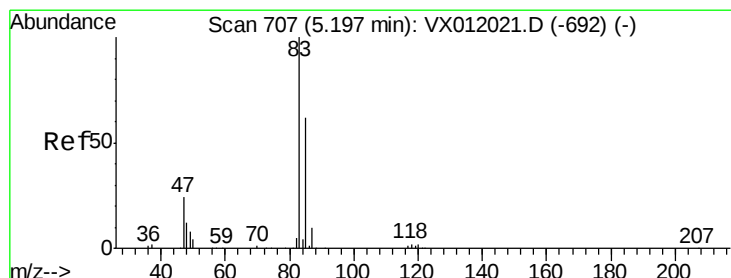
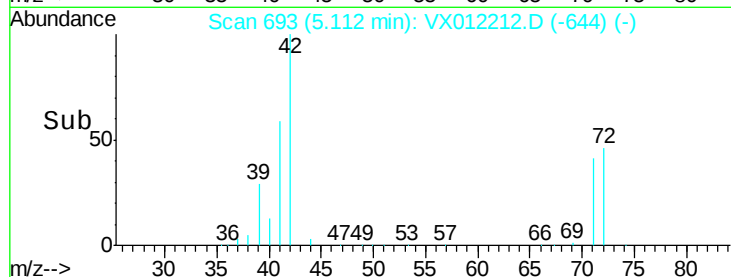
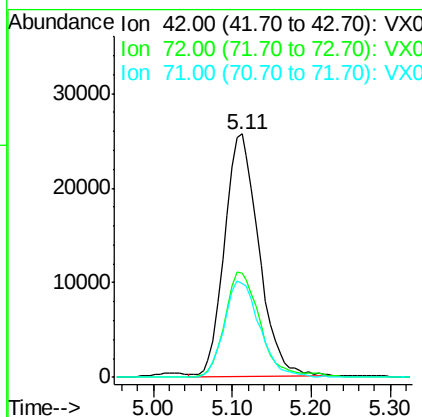
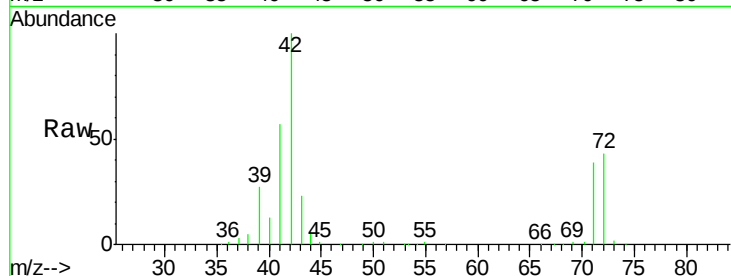
#29
Tetrahydrofuran
Concen: 252.849 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.0	55.4
71	41.1	33.8	50.8

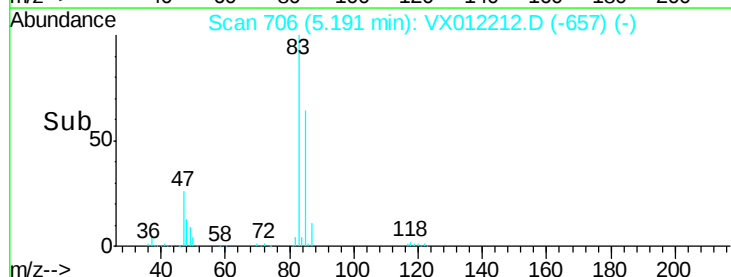
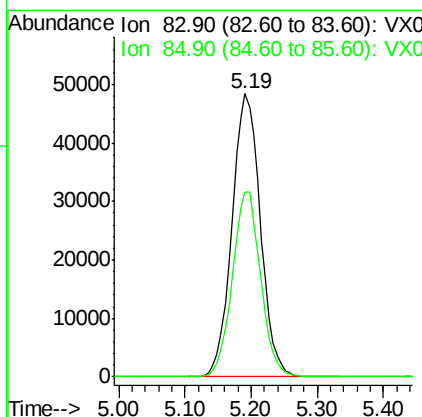
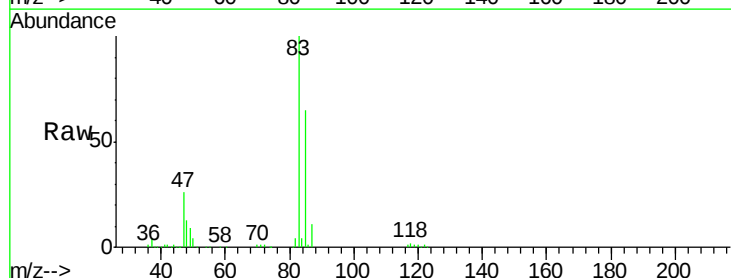
Manual Integrations
APPROVED

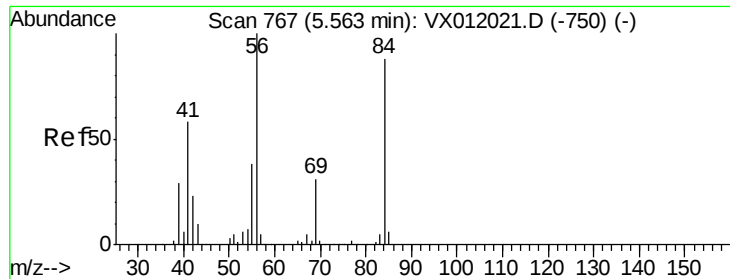
MMDadoda
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#30
Chloroform
Concen: 52.620 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.6	78.8





#31

Cyclohexane

Concen: 50.294 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.01 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

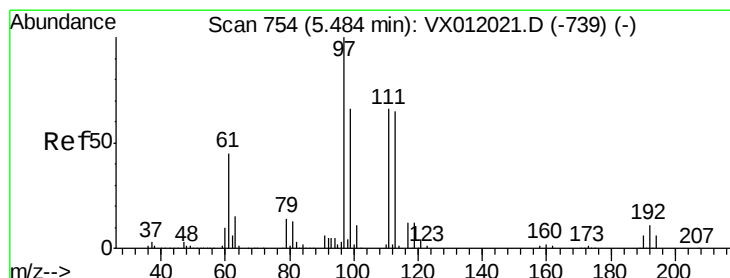
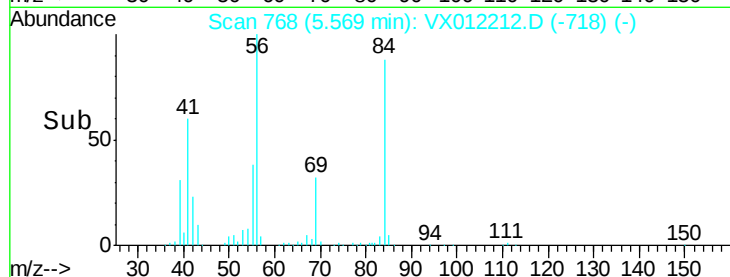
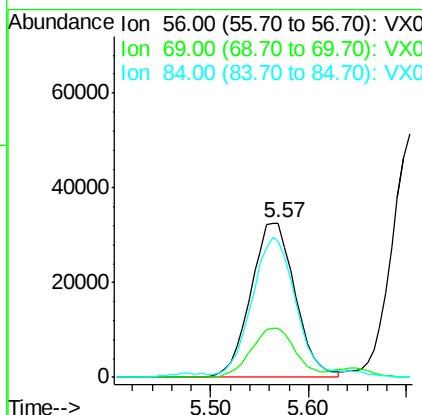
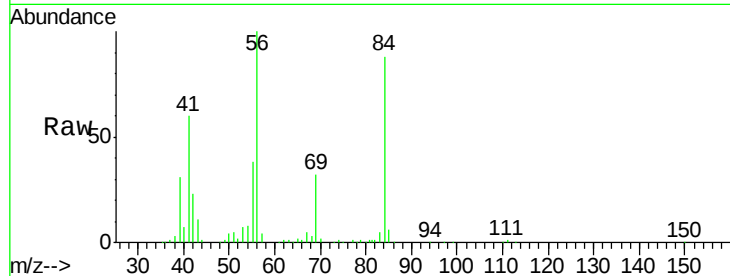
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	102997
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.7	38.5
84	85.4	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.241 ug/l

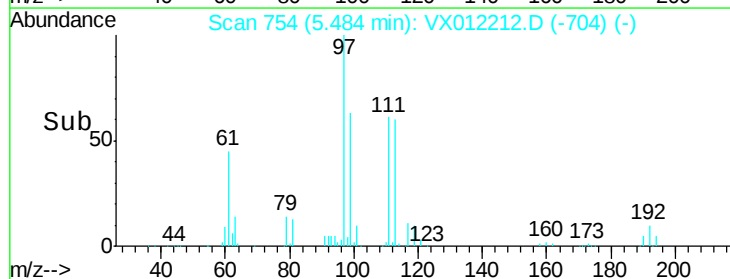
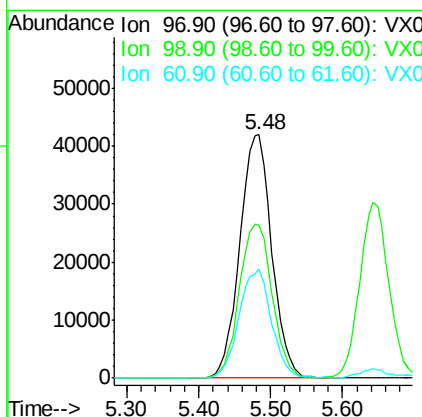
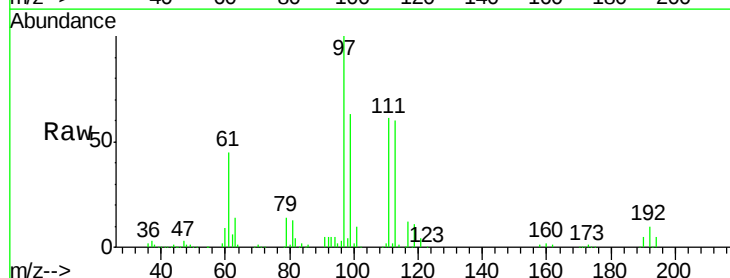
RT: 5.48 min Scan# 754

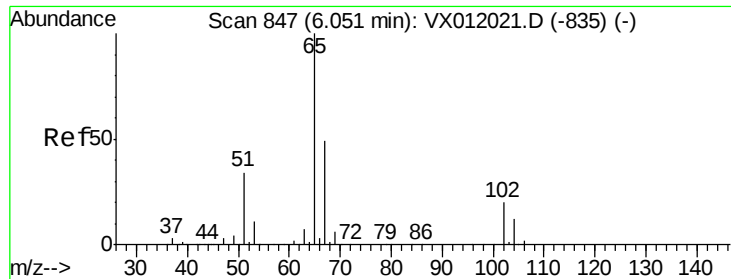
Delta R.T. 0.01 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tgt Ion:	97	Resp:	129255
Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.1	78.1
61	45.3	32.8	49.2





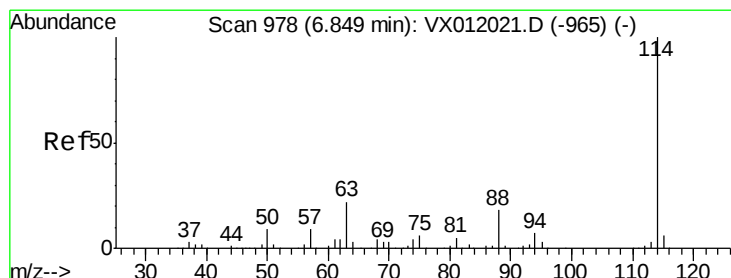
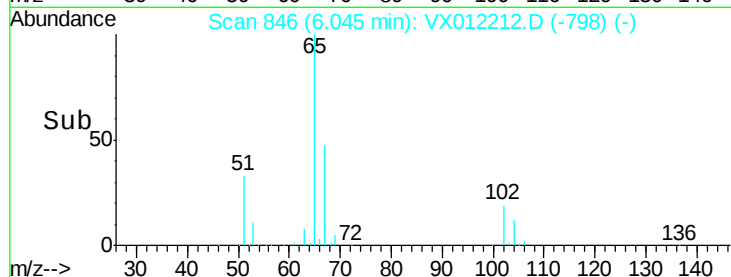
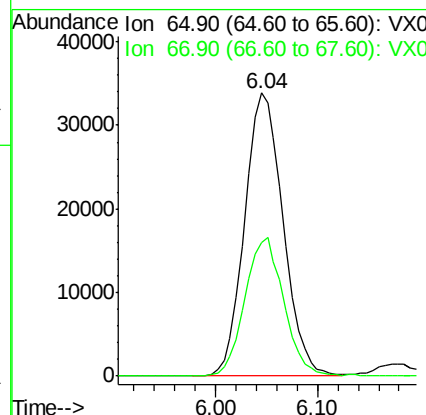
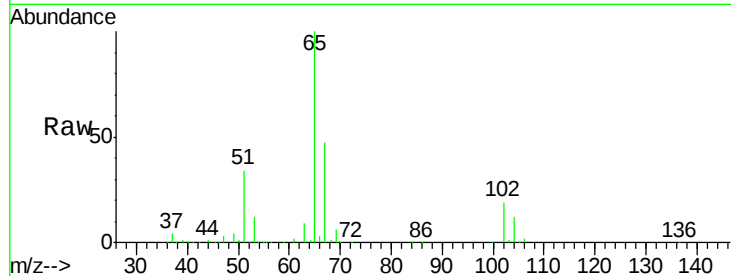
#33
 1,2-Dichloroethane-d4
 Concen: 53.196 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.4	0.0	102.0	

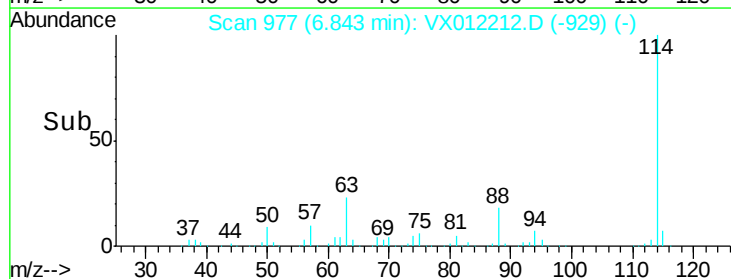
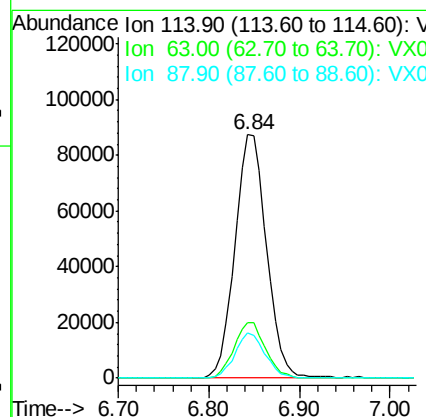
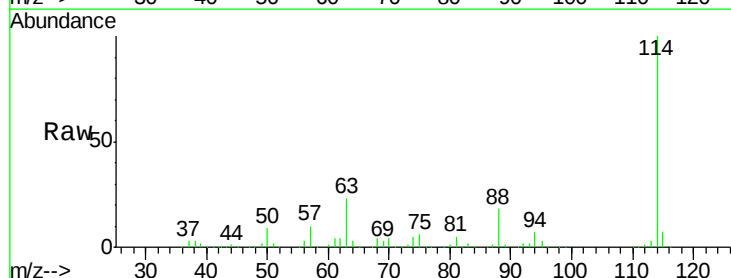
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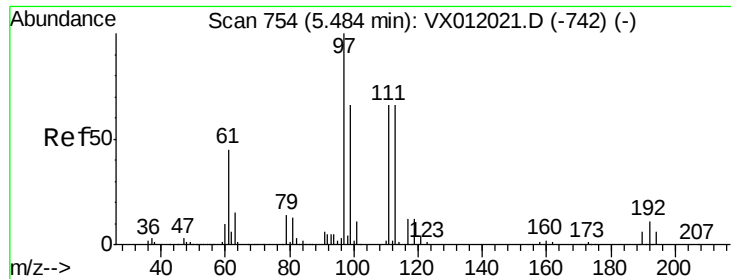
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.9	0.0	37.4	
88	18.5	0.0	29.6	





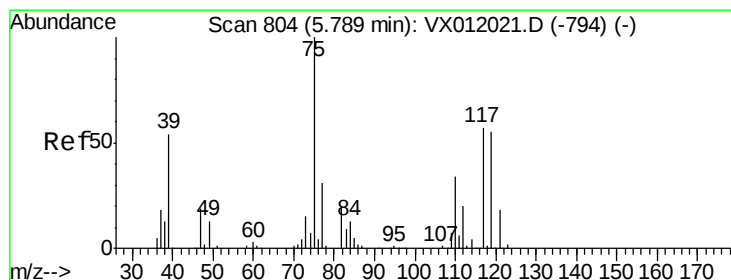
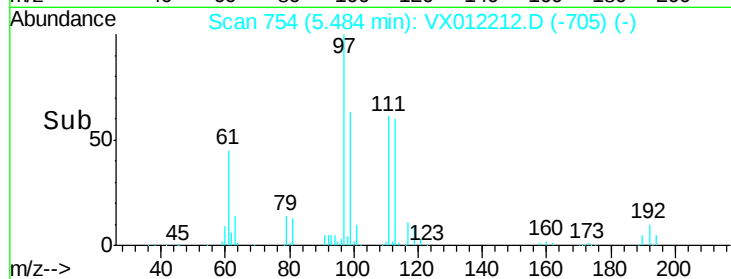
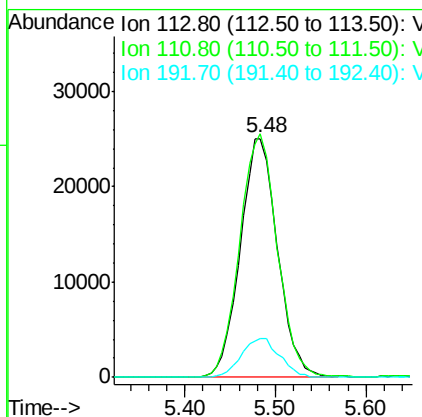
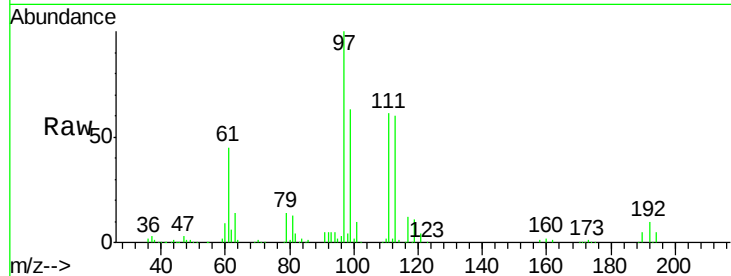
#35
 Dibromofluoromethane
 Concen: 54.565 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.7	122.5
192	17.0	22.5	33.7

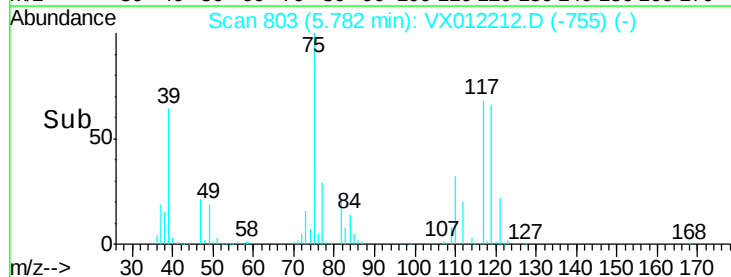
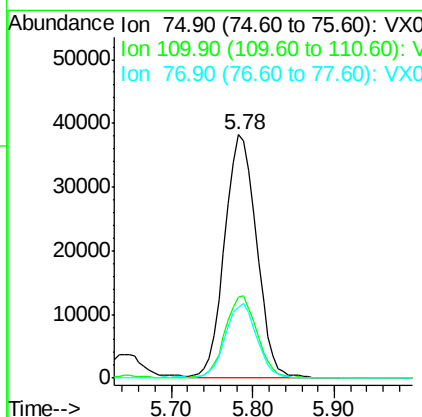
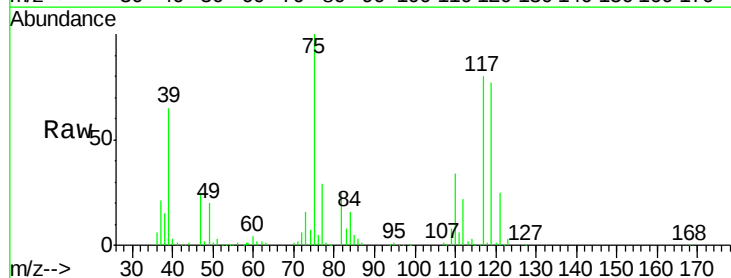
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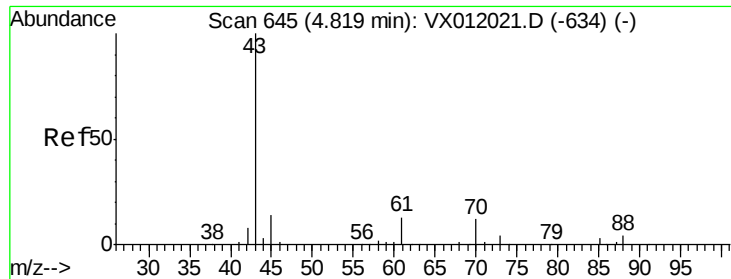
MMDadoda
 9/9/2019 8:43:16 AM



#36
 1,1-Dichloropropene
 Concen: 55.450 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	19.5	58.5
77	29.7	24.6	37.0





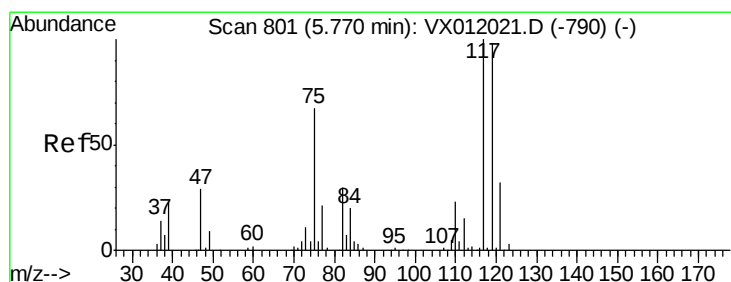
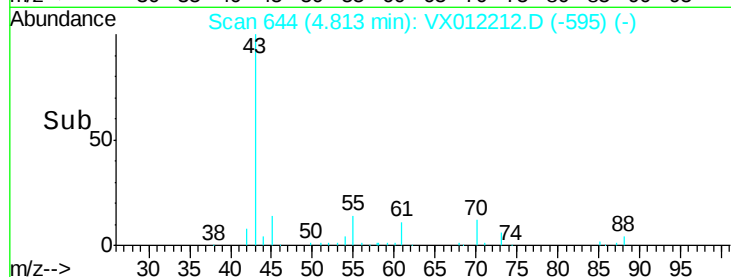
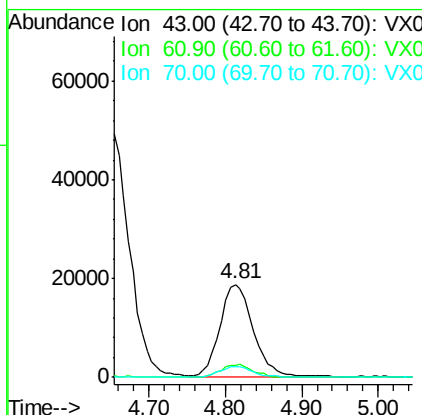
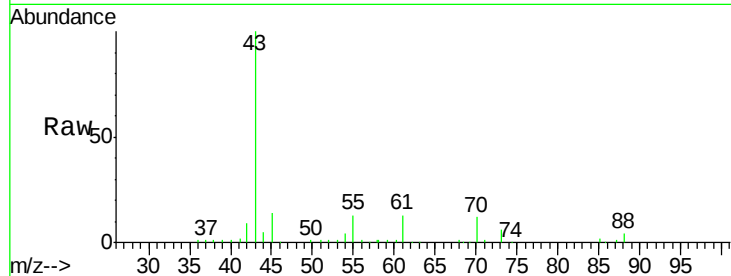
#37
Ethyl Acetate
Concen: 55.108 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	56170
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	11.7	9.4	14.0

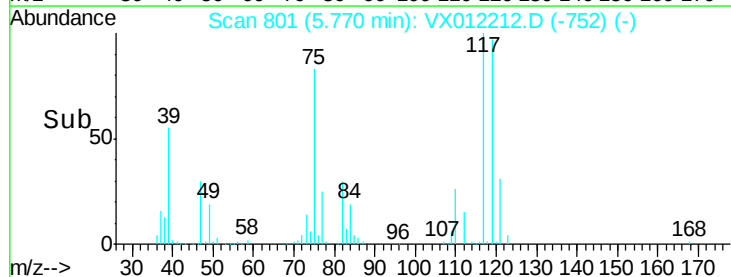
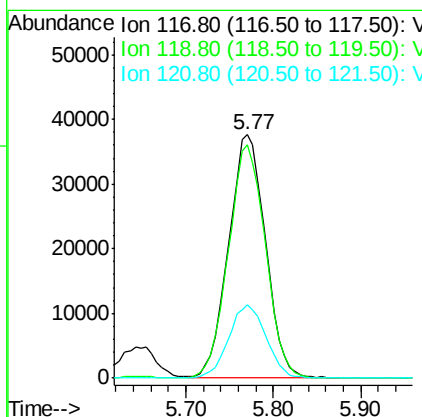
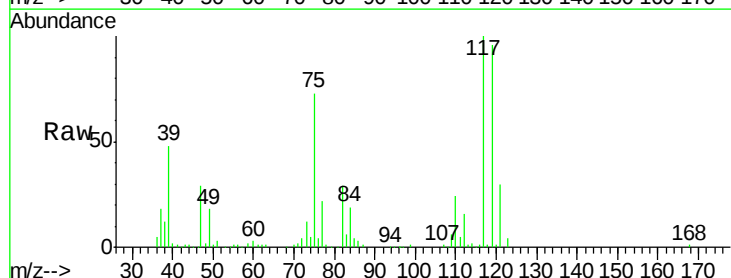
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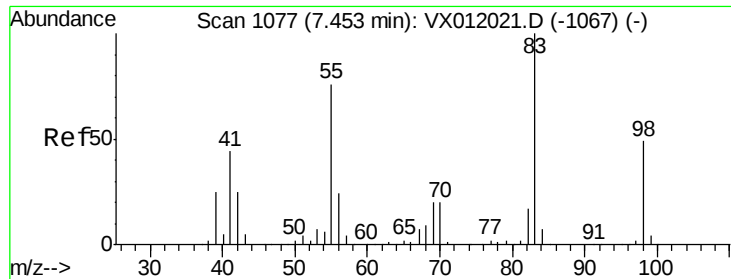
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#38
Carbon Tetrachloride
Concen: 55.860 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion:	117	Resp:	110330
Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.3	117.5
121	30.4	24.2	36.2





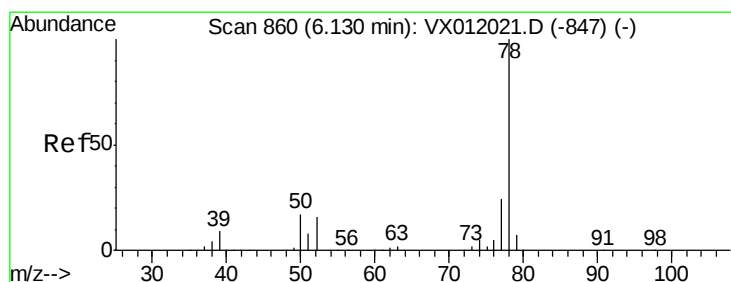
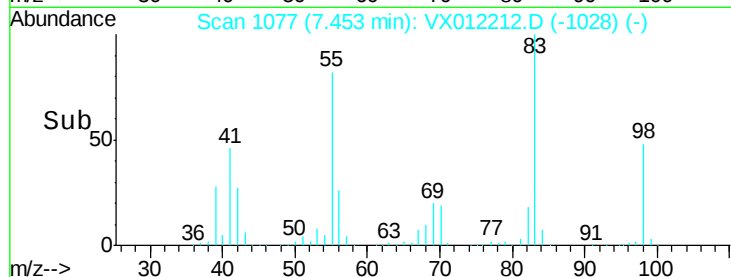
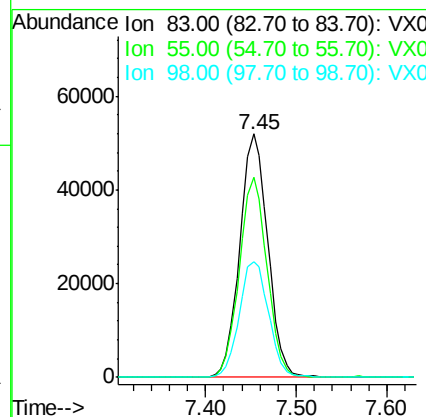
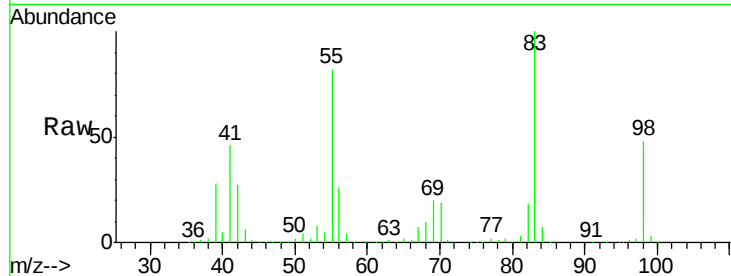
#39
Methvlcvclohexane
Concen: 51.355 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	111721		
55	82.0	59.6	89.4	
98	47.7	41.4	62.0	

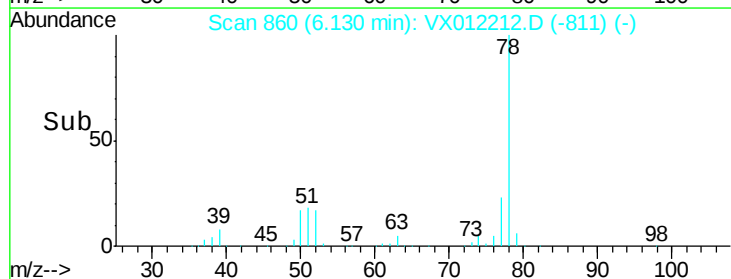
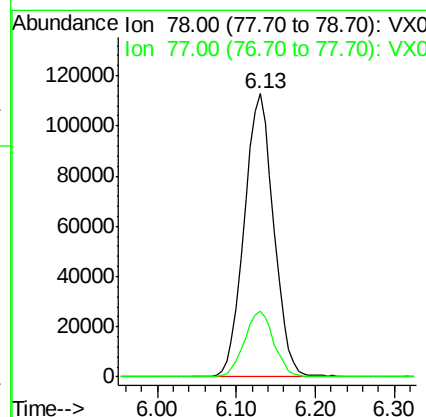
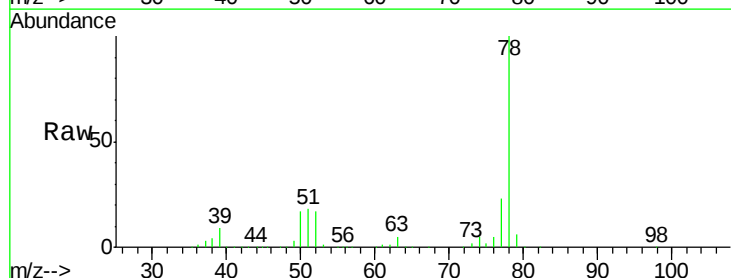
Manual Integrations
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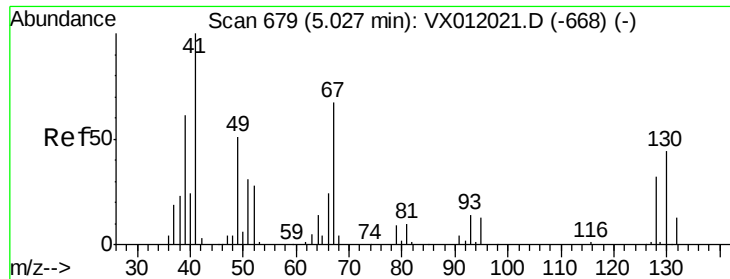
MMDadoda
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#40
Benzene
Concen: 54.442 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	292954		
77	23.4	19.3	28.9	





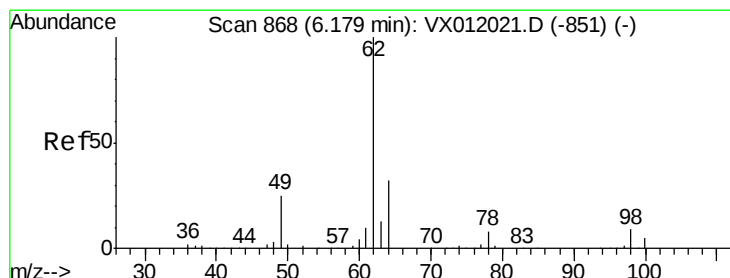
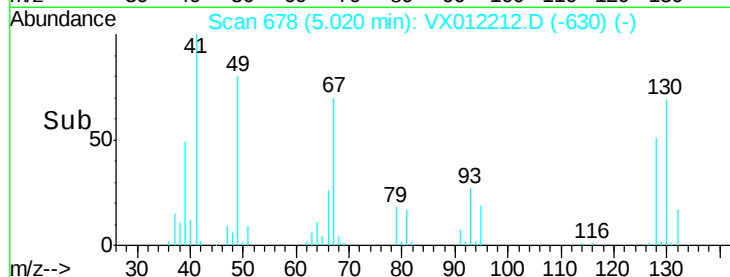
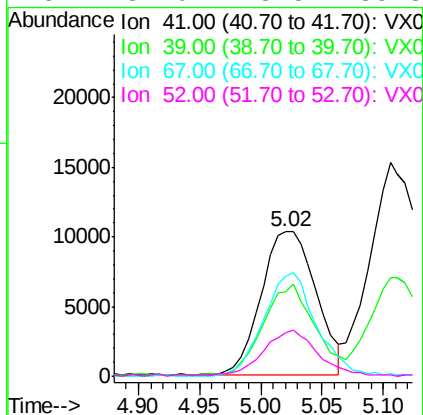
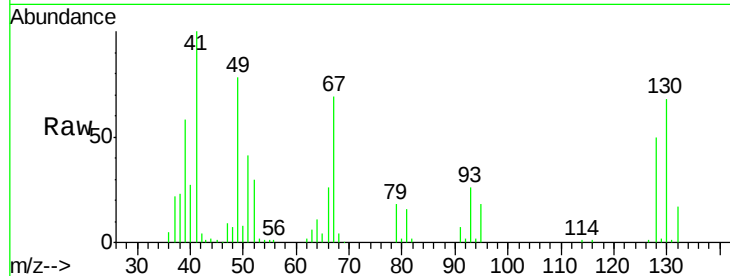
#41
Methacrylonitrile
Concen: 53.554 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.7	46.7	70.1
67	69.3	57.0	85.6
52	32.0	23.5	35.3

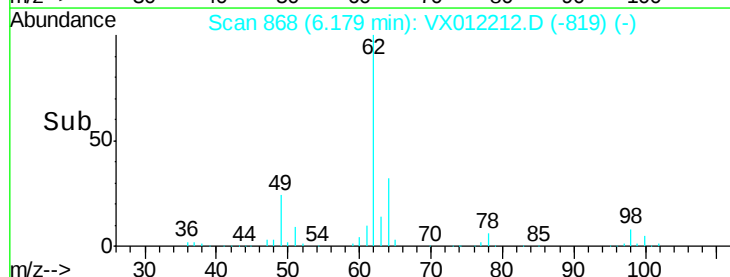
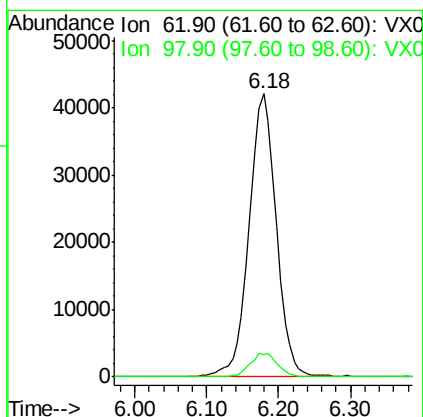
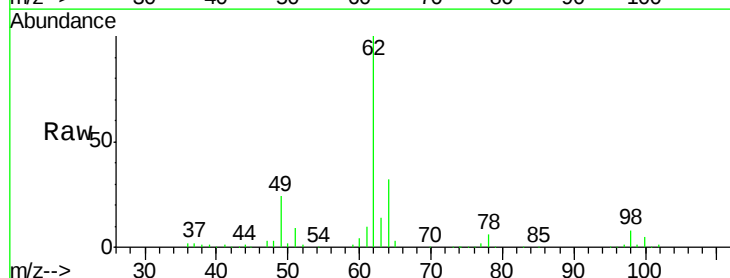
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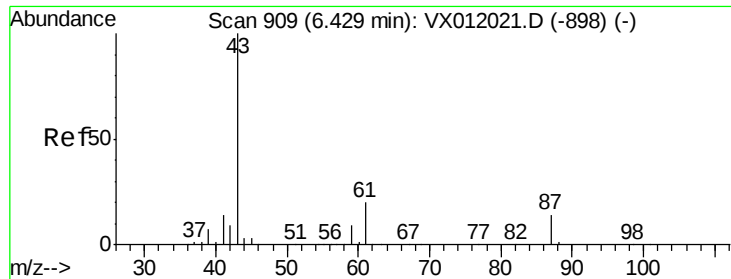
MMDadoda
9/9/2019 8:43:16 AM



#42
1,2-Dichloroethane
Concen: 57.477 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	19.2





#43

Isopropyl Acetate

Concen: 54.632 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

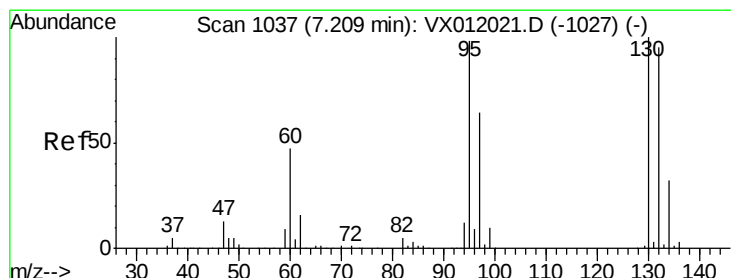
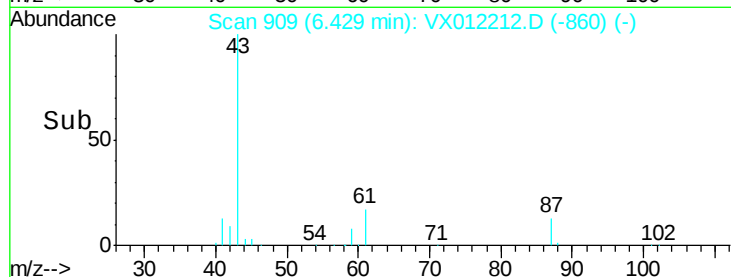
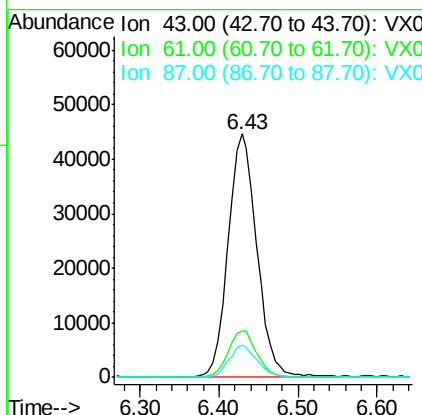
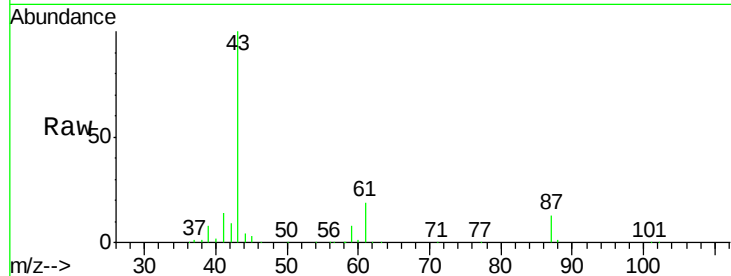
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	113227
Ion	Ratio	Lower	Upper
43	100		
61	19.2	16.1	24.1
87	13.0	11.3	16.9

Manual Integrations
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9/9/2019 8:43:16 AM



#44

Trichloroethene

Concen: 54.427 ug/l

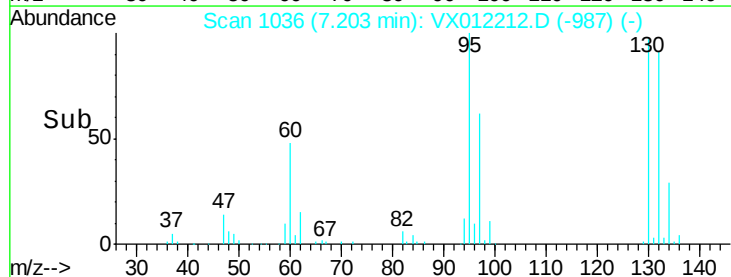
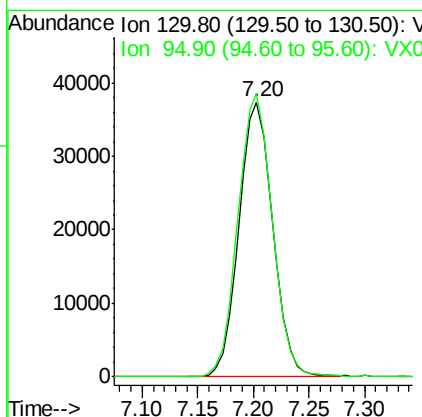
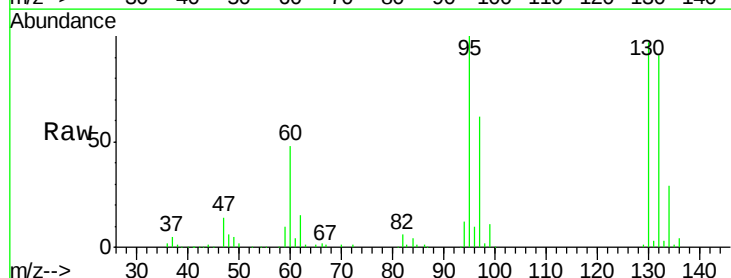
RT: 7.20 min Scan# 1036

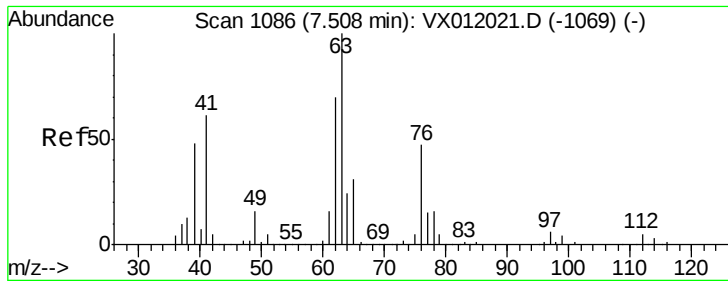
Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tgt Ion:	130	Resp:	78994
Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	176.4





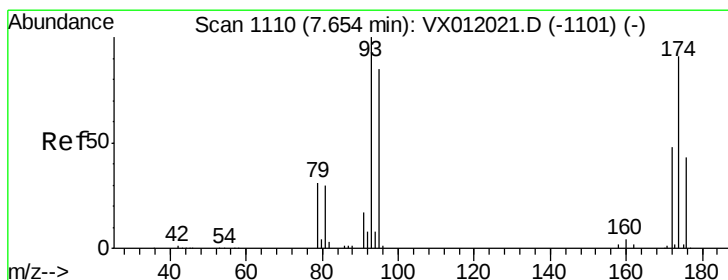
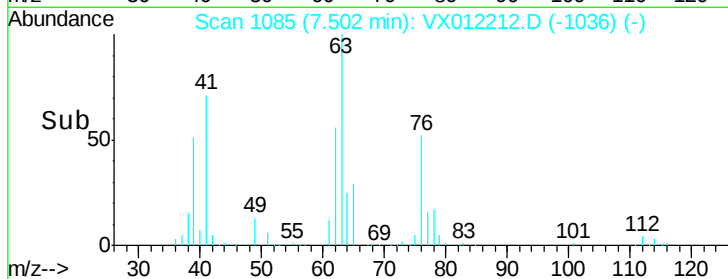
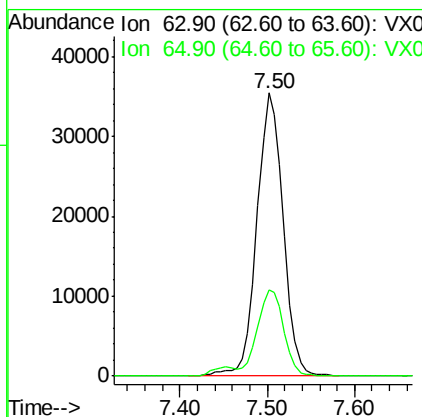
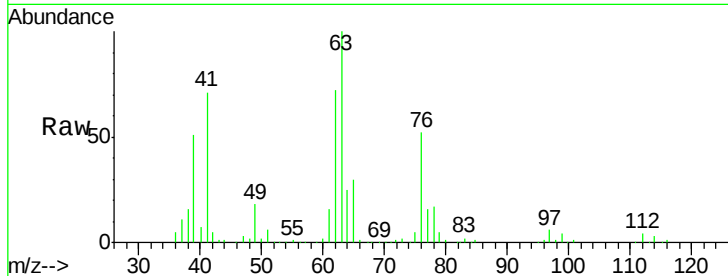
#45
 1,2-Dichloropropane
 Concen: 53.457 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 74320
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

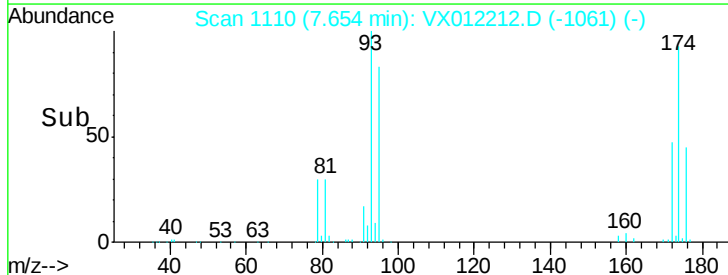
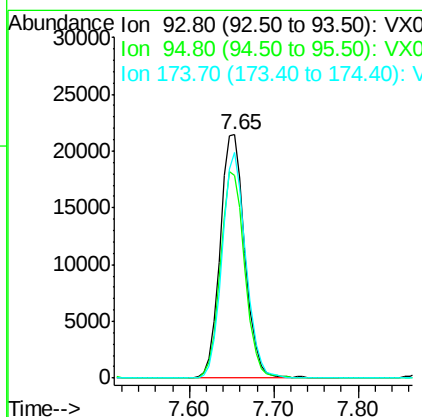
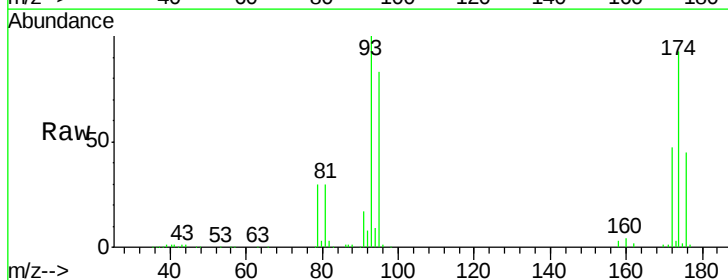
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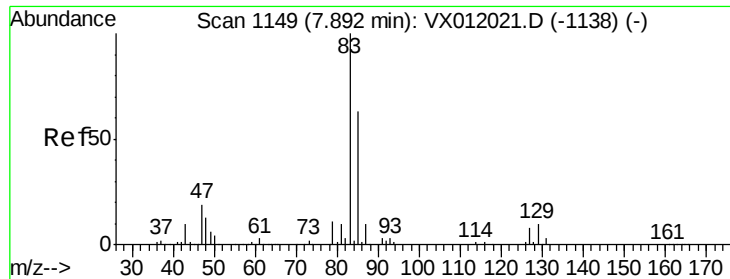
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 9/9/2019 8:43:16 AM



#46
 Dibromomethane
 Concen: 53.275 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Tgt Ion: 93 Resp: 43237
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.2 99.2
 174 88.9 110.2 165.4#





#47

Bromodichloromethane

Concen: 53.925 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

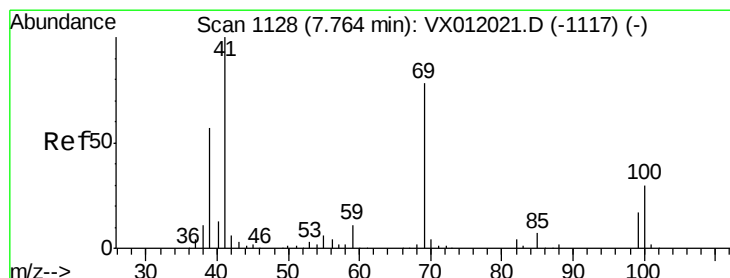
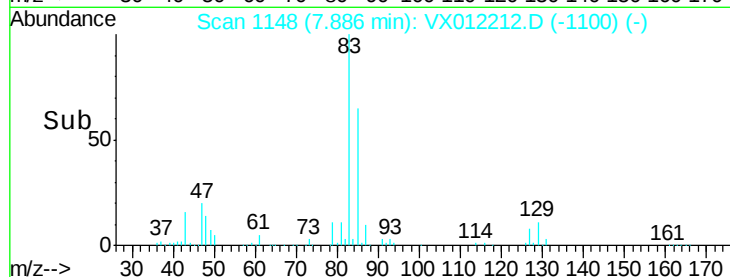
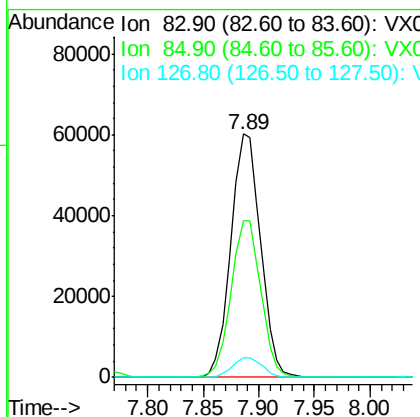
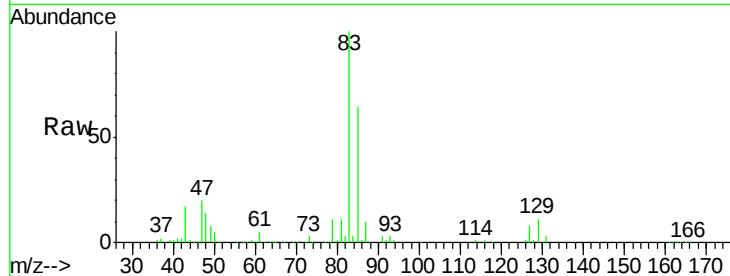
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	111244
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.3	75.5
127	8.3	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.379 ug/l

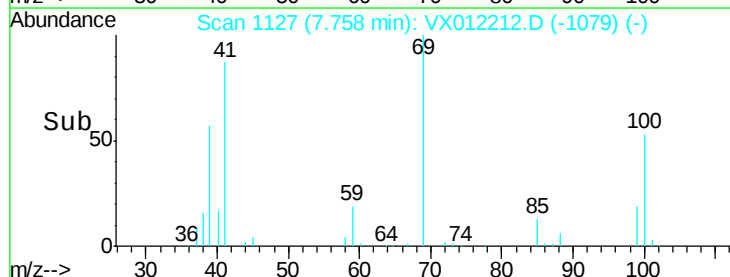
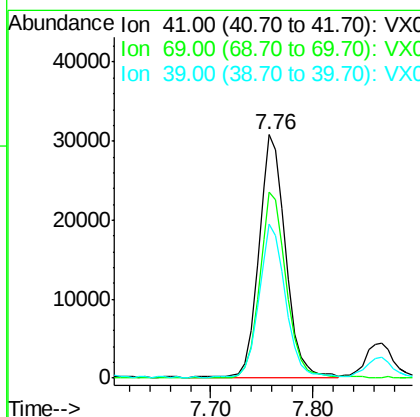
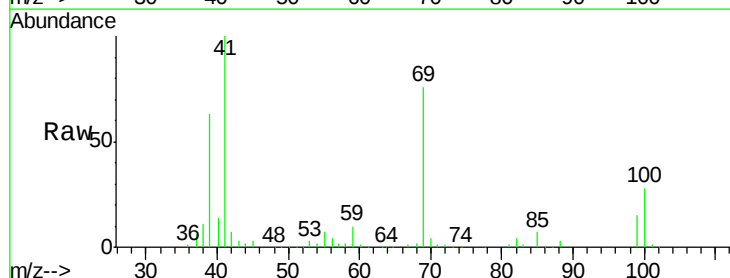
RT: 7.76 min Scan# 1127

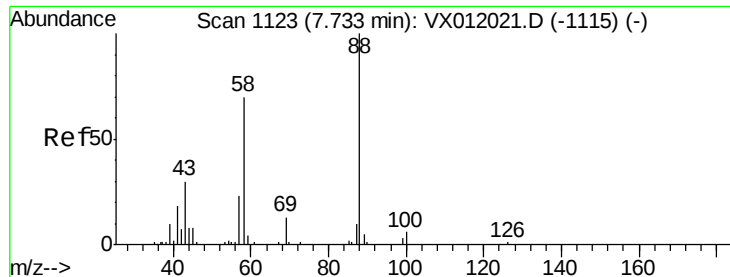
Delta R.T. -0.01 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tgt Ion:	41	Resp:	55626
Ion	Ratio	Lower	Upper
41	100		
69	76.7	66.3	99.5
39	63.2	48.1	72.1





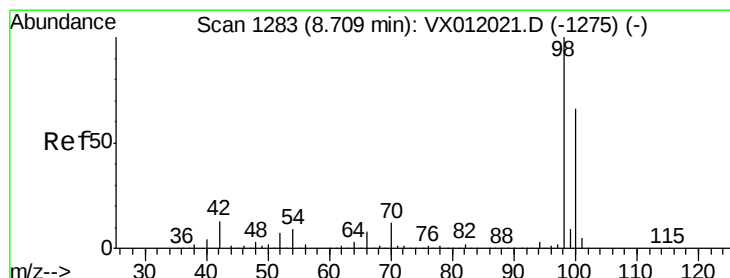
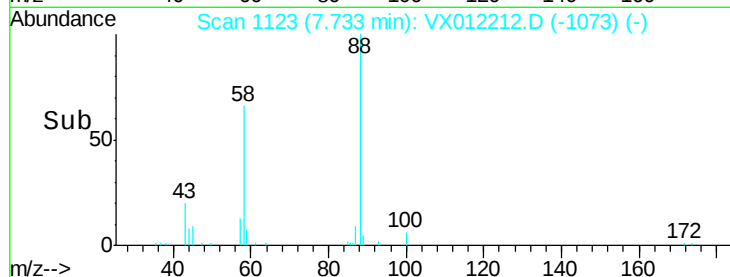
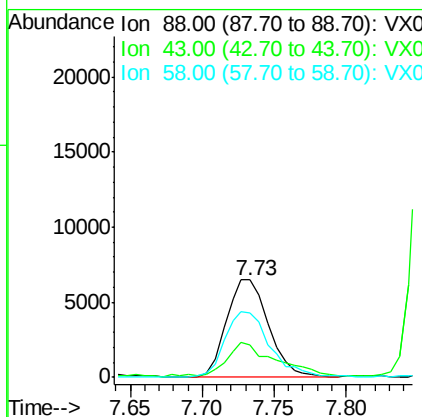
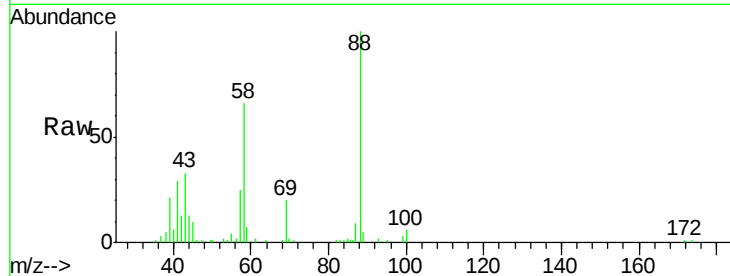
#49
1,4-Dioxane
Concen: 936.015 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	29.8	44.6
58	73.4	55.4	83.2

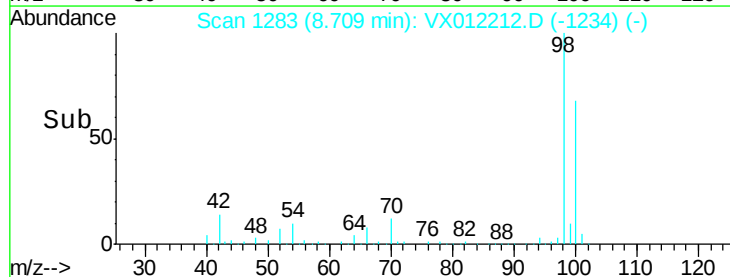
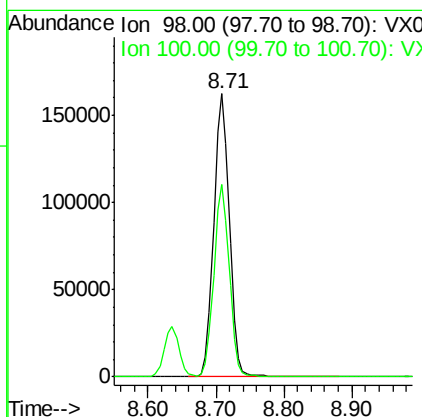
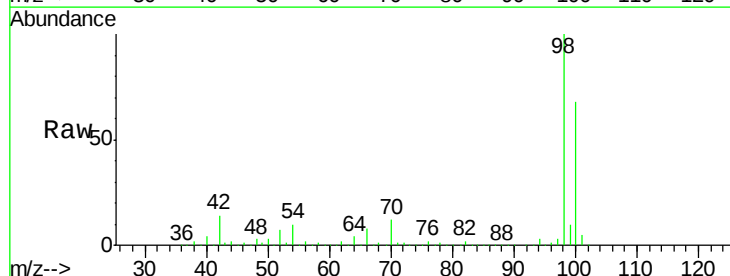
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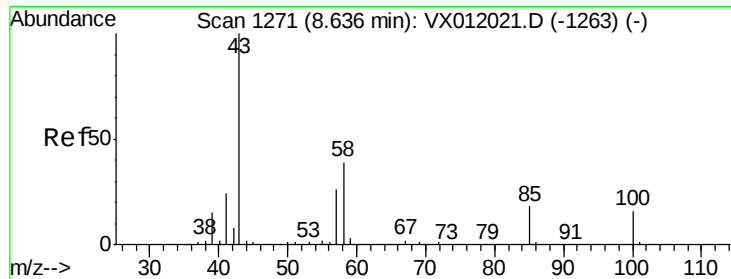
MMDadoda
9/9/2019 8:43:16 AM



#50
Toluene-d8
Concen: 53.995 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 270.557 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 285215

Ion Ratio Lower Upper

43 100

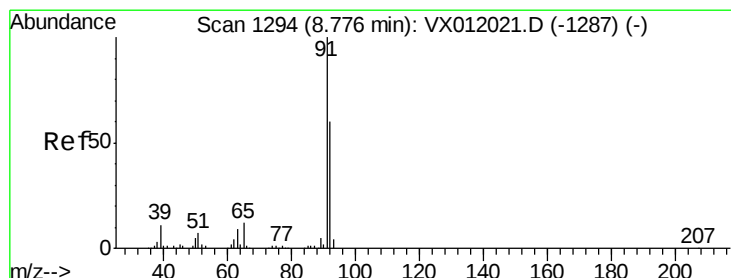
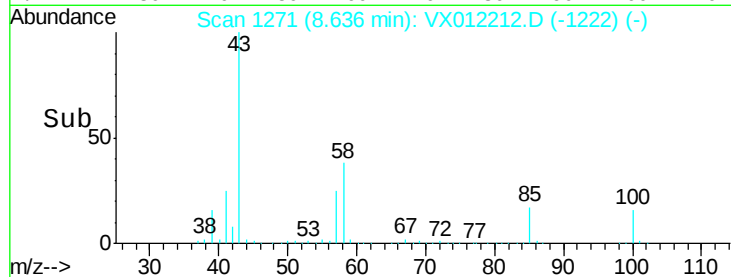
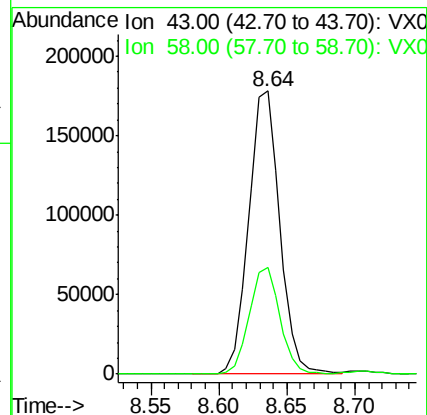
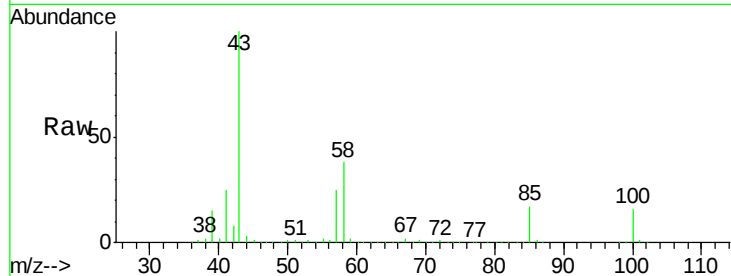
58 37.5 31.5 47.3

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9/9/2019 8:43:16 AM



#52

Toluene

Concen: 54.440 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012212.D

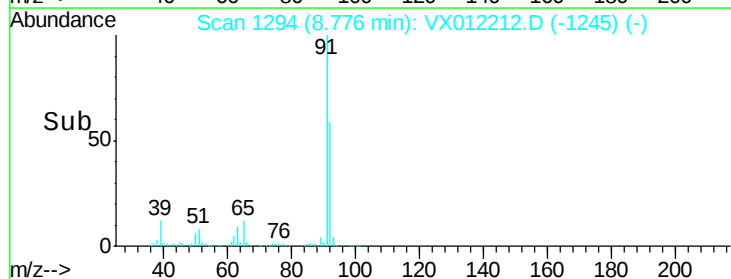
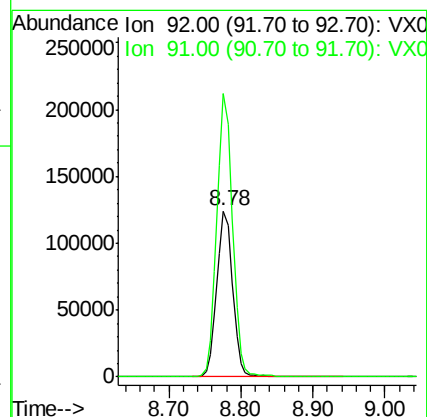
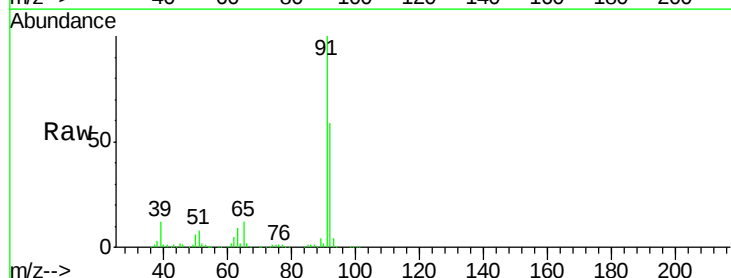
Acq: 08 Sep 2019 10:08

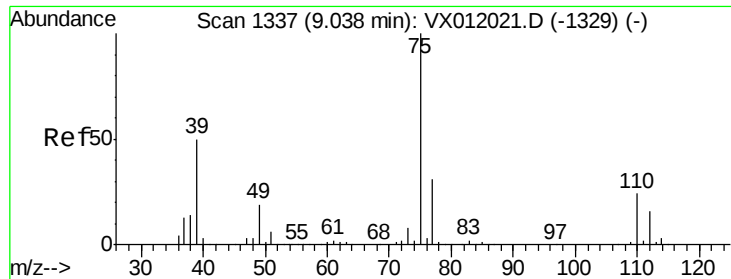
Tgt Ion: 92 Resp: 190605

Ion Ratio Lower Upper

92 100

91 169.2 136.0 204.0





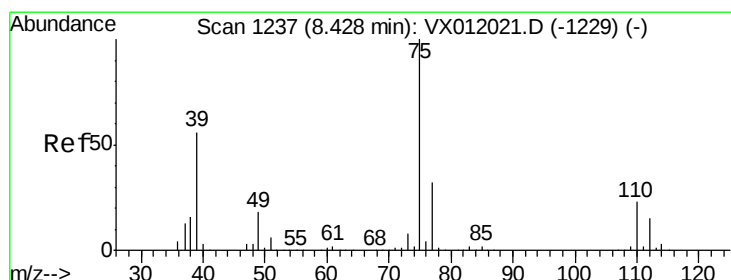
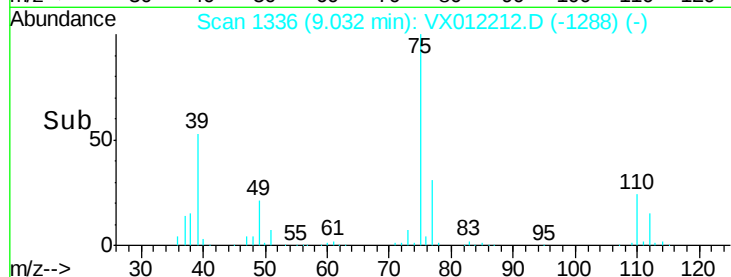
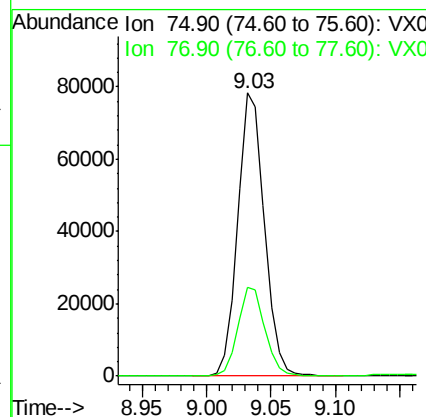
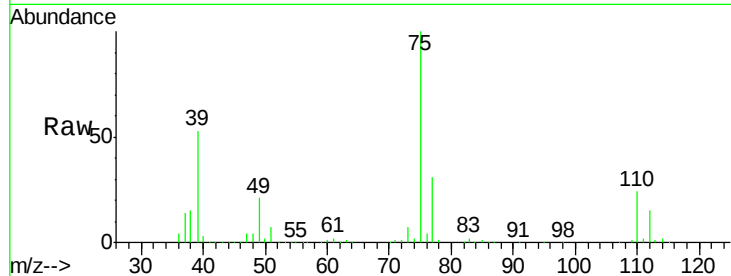
#53
 t-1,3-Dichloropropene
 Concen: 52.932 ug/l
 RT: 9.03 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 113050
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.1 37.7

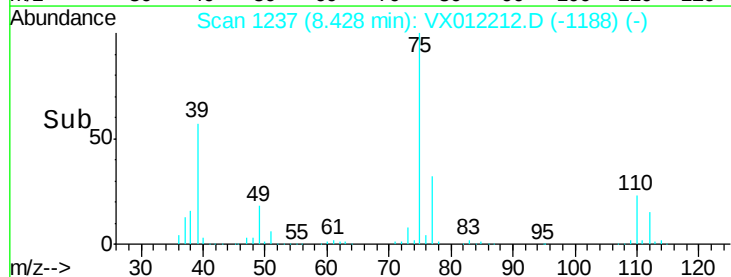
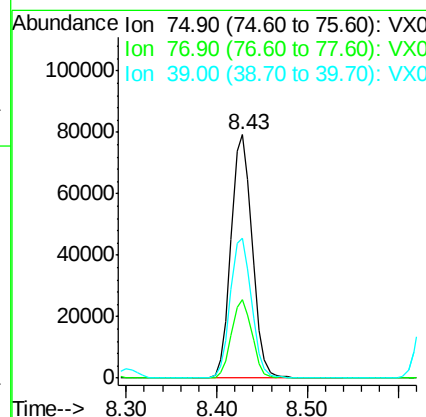
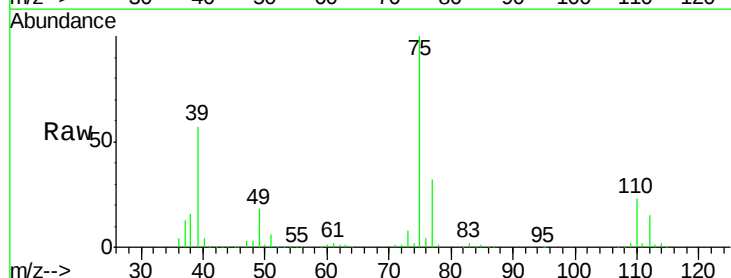
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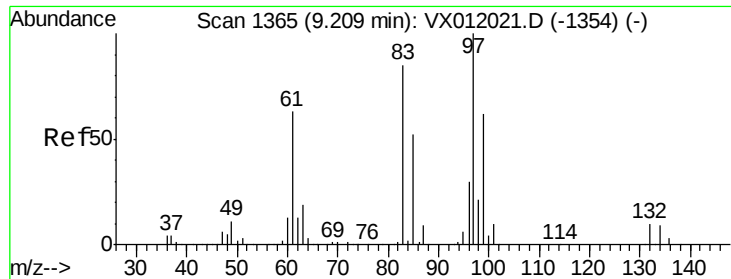
MMDadoda
 9/9/2019 8:43:16 AM



#54
 cis-1,3-Dichloropropene
 Concen: 54.202 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Tgt Ion: 75 Resp: 128731
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.5 38.3
 39 57.3 43.0 64.4





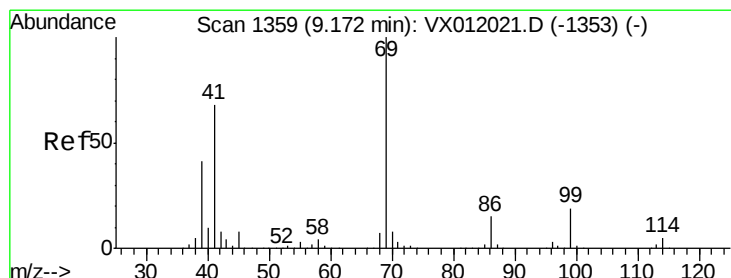
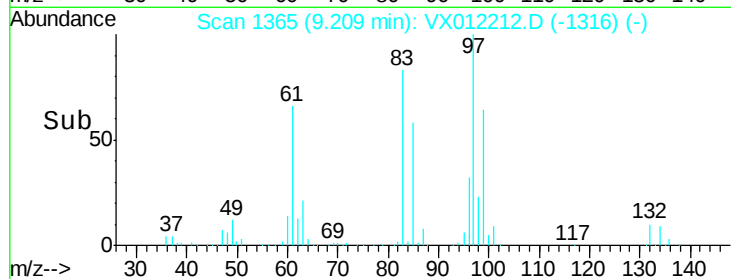
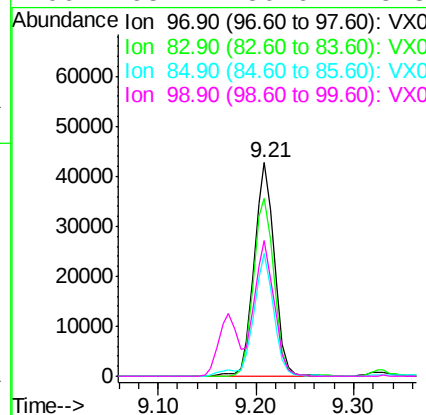
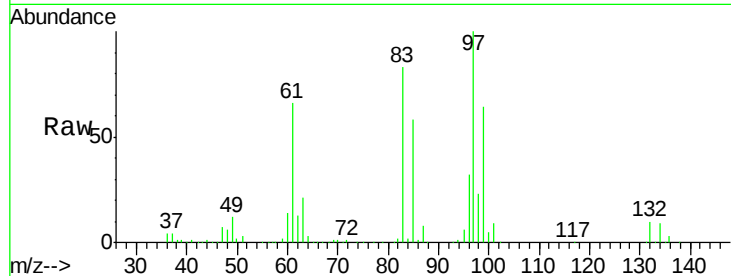
#55
 1,1,2-Trichloroethane
 Concen: 52.978 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	61471
Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.0	99.0
85	57.7	41.0	61.6
99	63.7	50.6	75.8

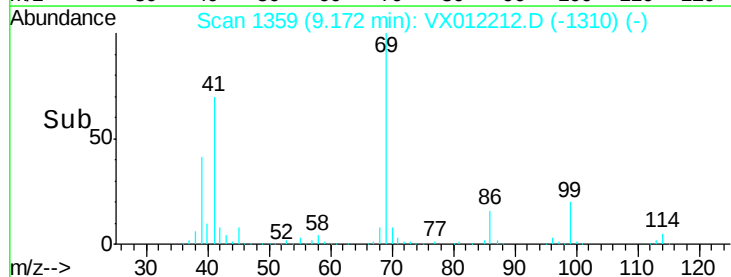
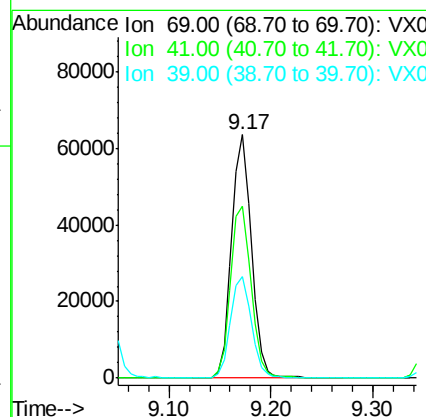
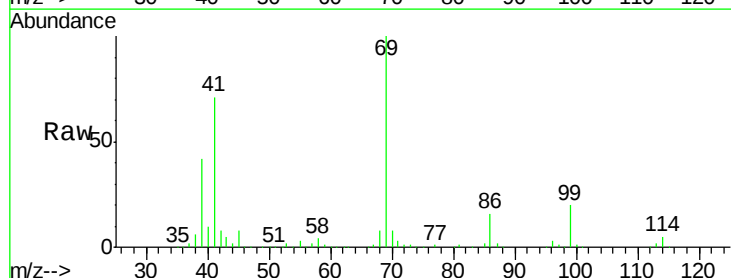
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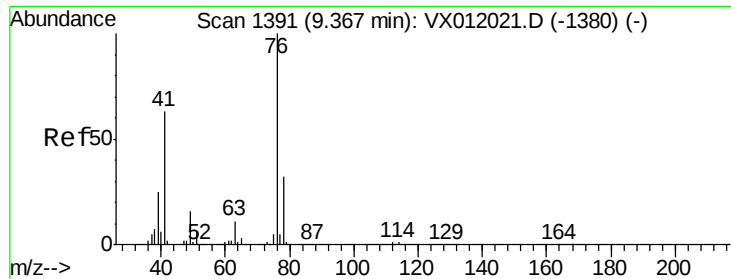
MMDadoda
 9/9/2019 8:43:16 AM



#56
 Ethyl methacrylate
 Concen: 51.781 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Tgt Ion:	69	Resp:	86060
Ion	Ratio	Lower	Upper
69	100		
41	72.7	53.9	80.9
39	43.4	31.1	46.7





#57

1,3-Dichloropropane

Concen: 54.041 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 108201

Ion Ratio Lower Upper

76 100

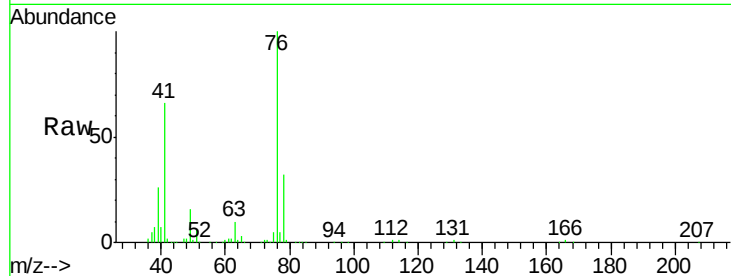
78 31.9 25.5 38.3

Manual Integrations

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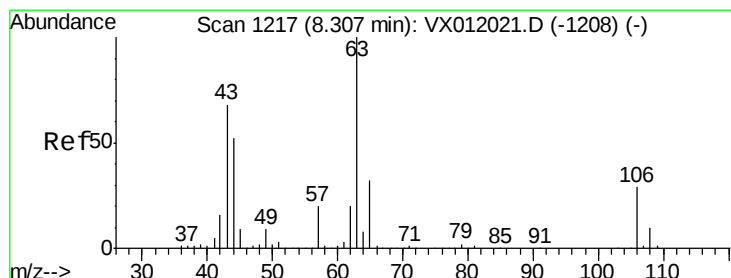
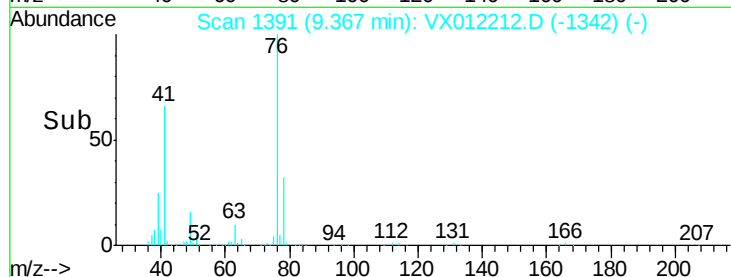
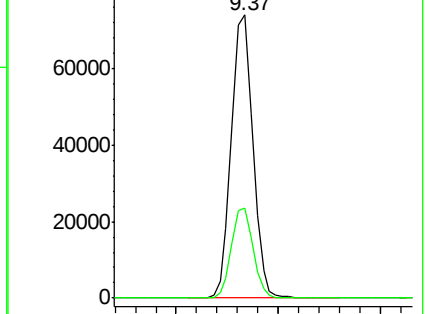
MMDadoda

9/9/2019 8:43:16 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 226.244 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX012212.D

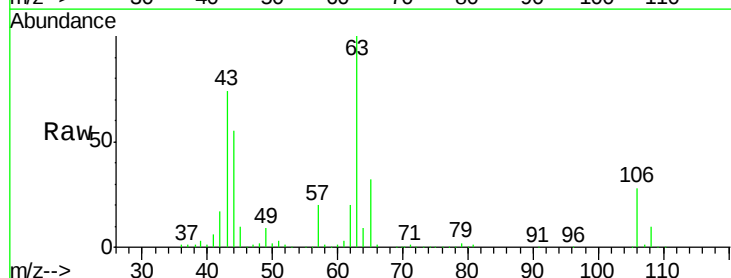
Acq: 08 Sep 2019 10:08

Tgt Ion: 63 Resp: 169522

Ion Ratio Lower Upper

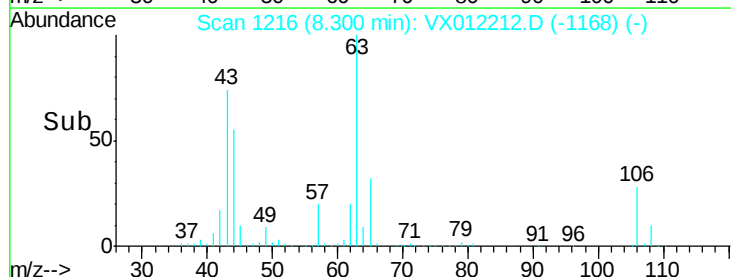
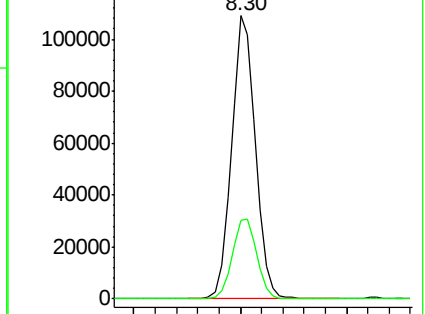
63 100

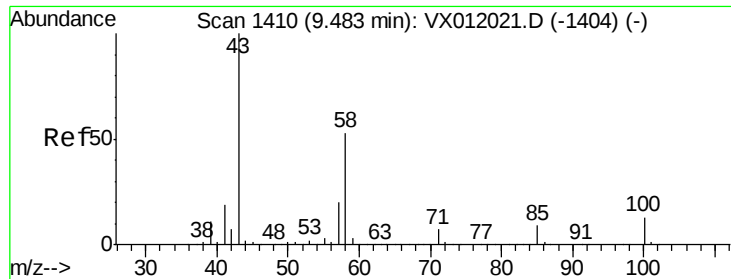
106 29.3 26.5 39.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





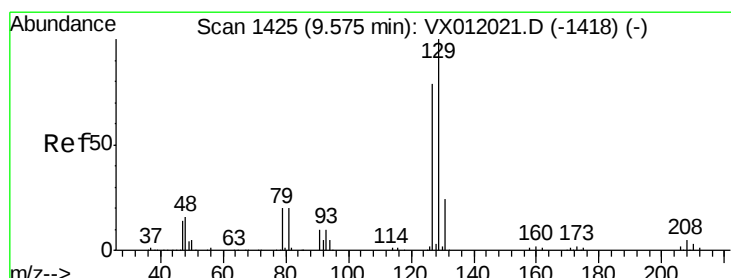
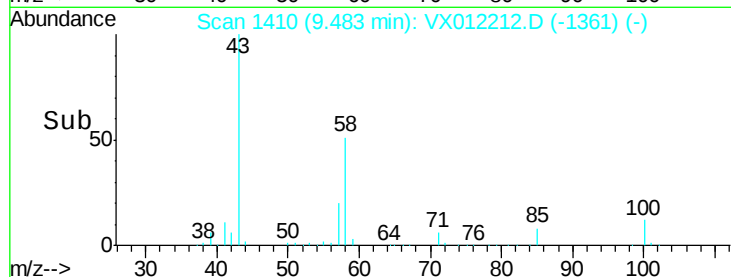
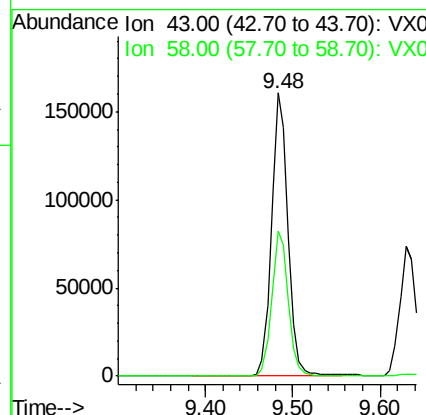
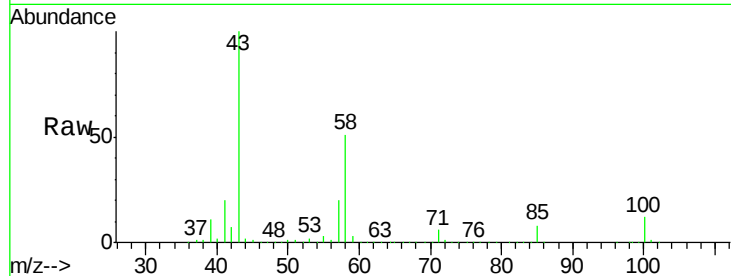
#59
2-Hexanone
Concen: 277.362 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	27.2	81.6

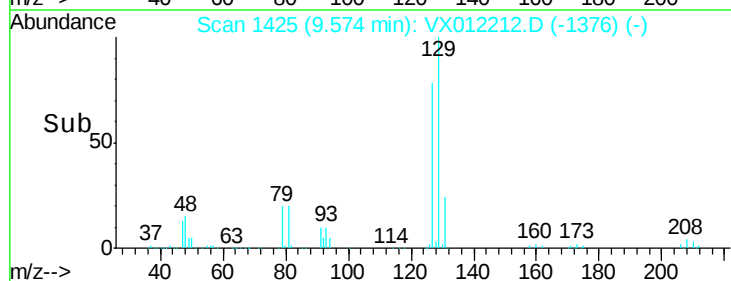
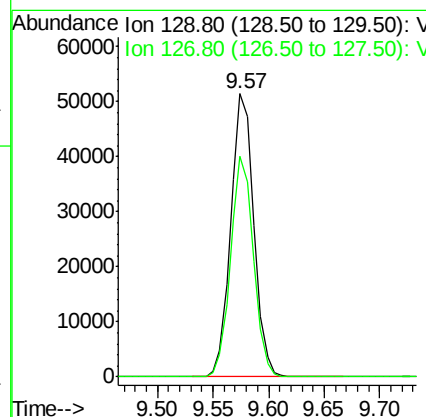
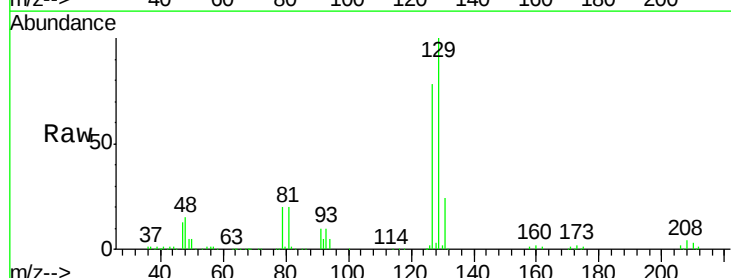
Manual Integrations
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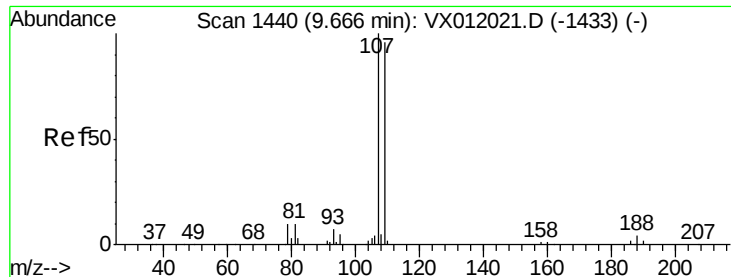
MMDadoda
9/9/2019 8:43:16 AM



#60
Dibromochloromethane
Concen: 53.255 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.1	114.5





#61

1,2-Dibromoethane

Concen: 53.250 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 59703

Ion Ratio Lower Upper

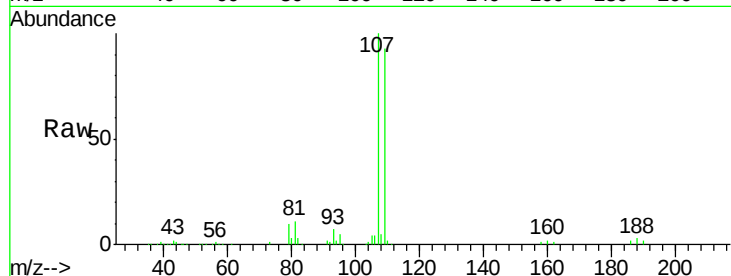
107 100

109 93.4 76.9 115.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

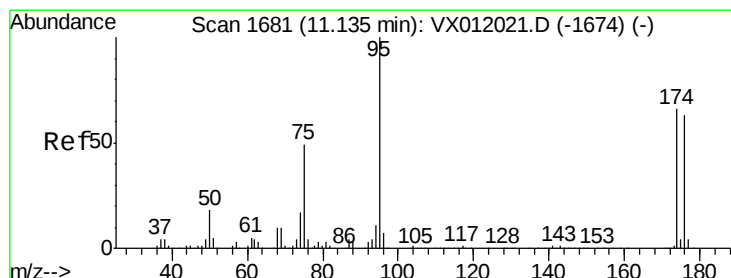
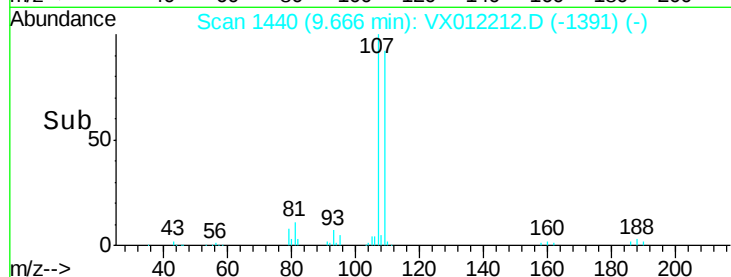
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 51.460 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

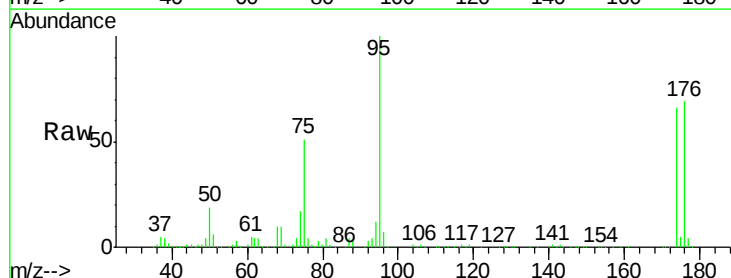
Tgt Ion: 95 Resp: 114936

Ion Ratio Lower Upper

95 100

174 64.0 0.0 205.4

176 64.0 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

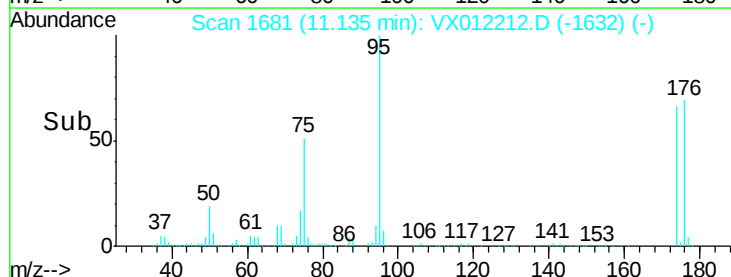
40000

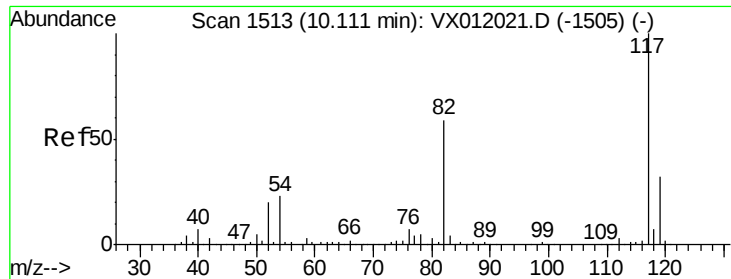
20000

0

11.05 11.10 11.15 11.20

Time-->





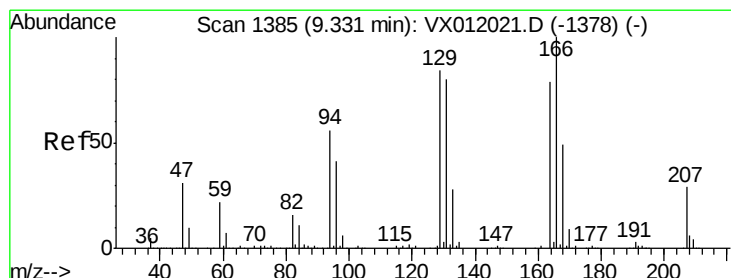
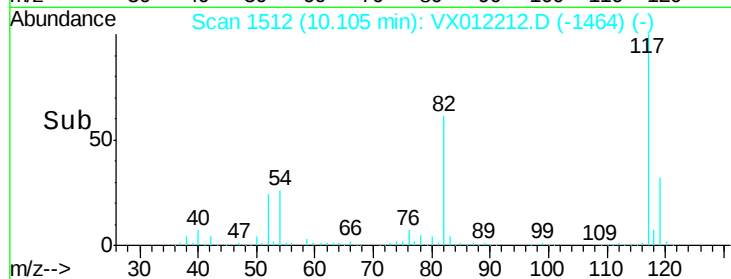
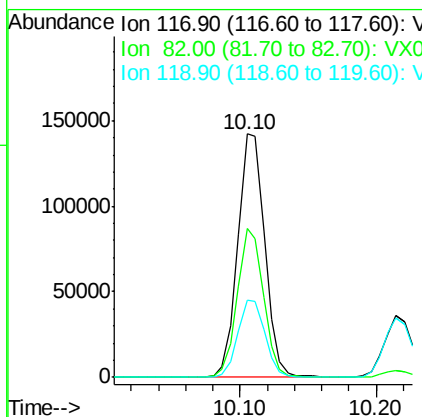
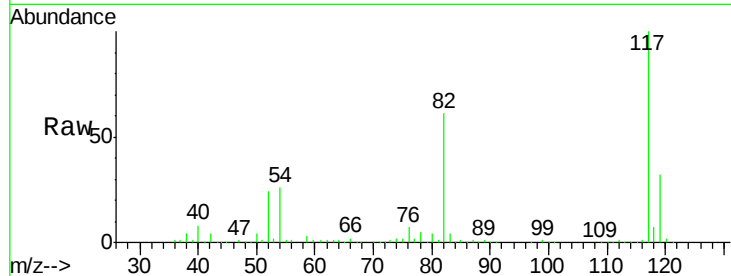
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	196541		
82	61.0	39.4	59.0#	
119	31.9	26.1	39.1	

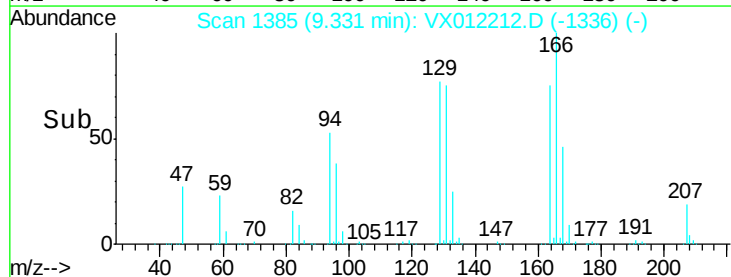
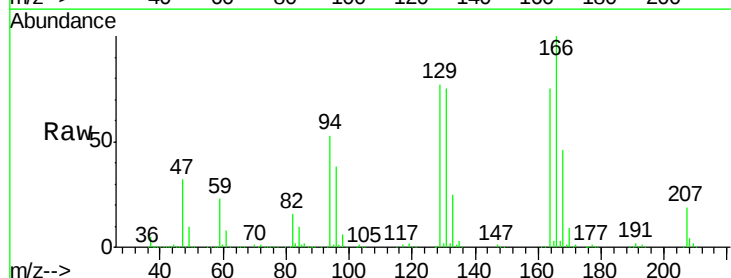
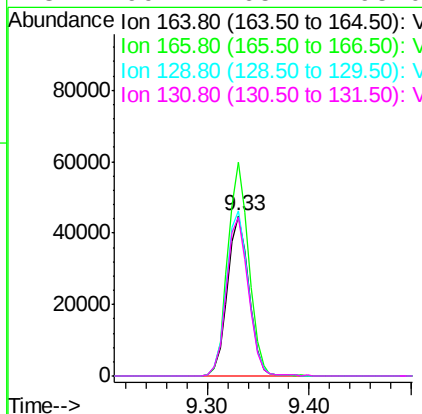
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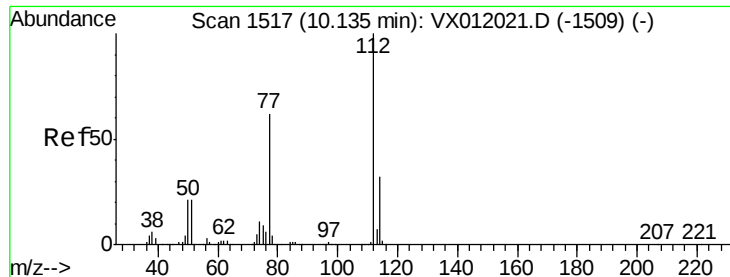
MMDadoda
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#64
Tetrachloroethene
Concen: 53.267 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65269		
166	133.2	104.3	156.5	
129	103.0	68.3	102.5#	
131	99.4	65.4	98.0#	





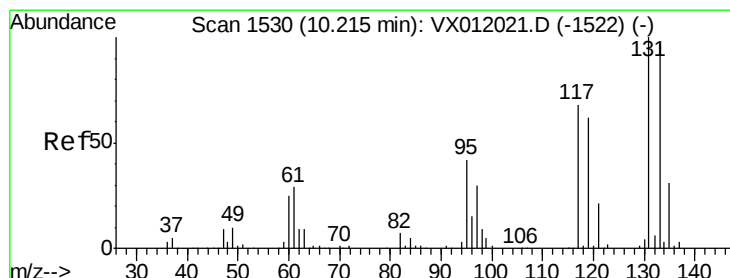
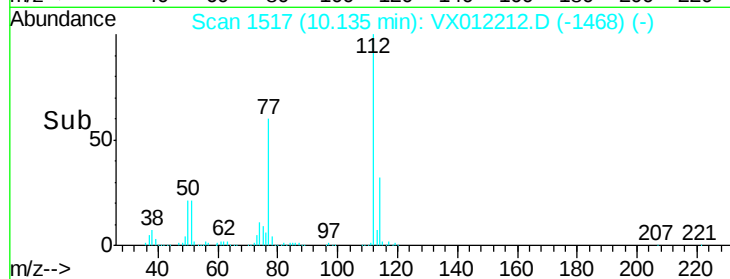
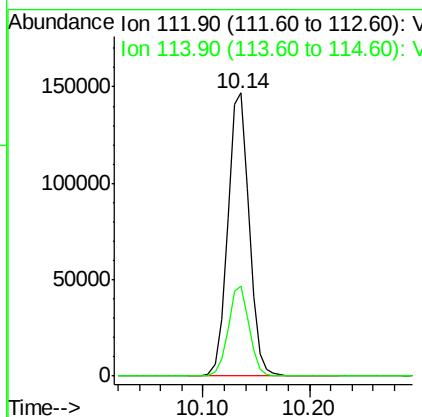
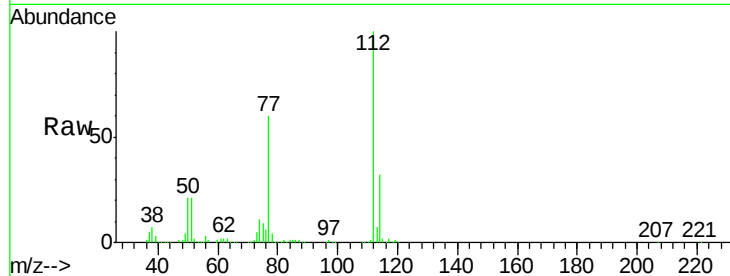
#65
Chlorobenzene
Concen: 53.318 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.2

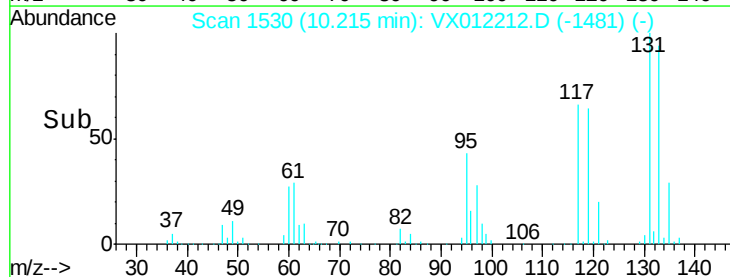
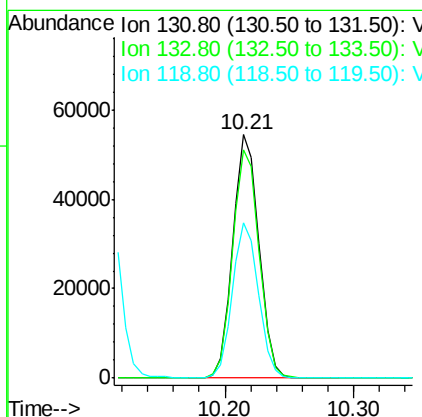
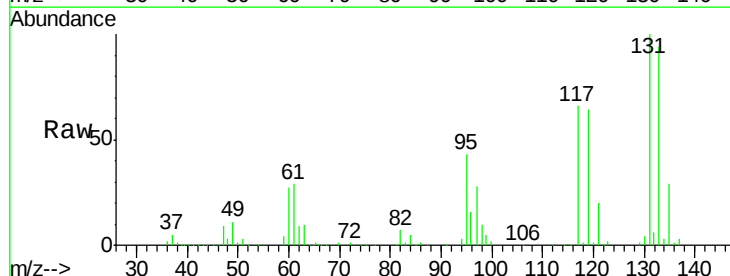
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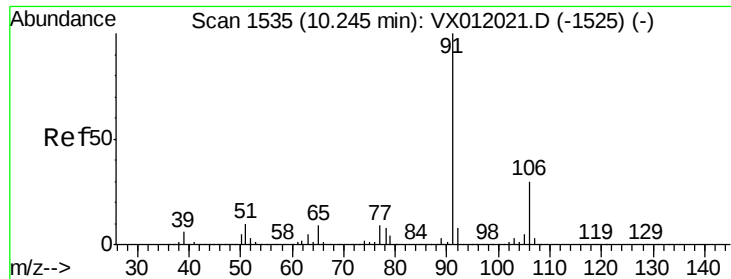
MMDadoda
9/9/2019 8:43:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.411 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.4	145.0
119	63.5	30.5	91.5





#67

Ethyl Benzene

Concen: 53.881 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 380864

Ion Ratio Lower Upper

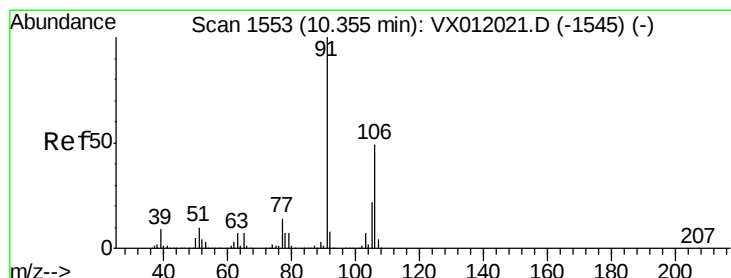
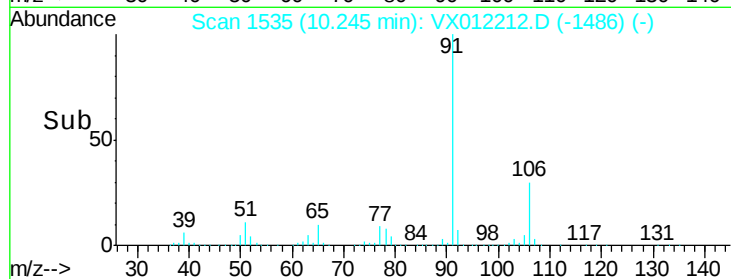
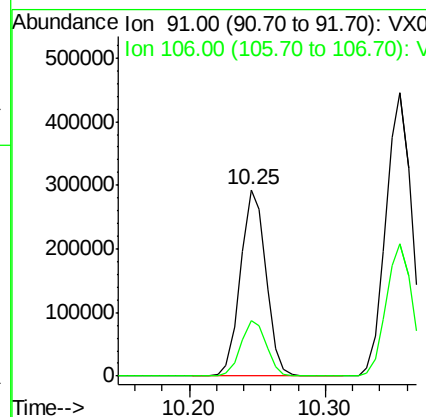
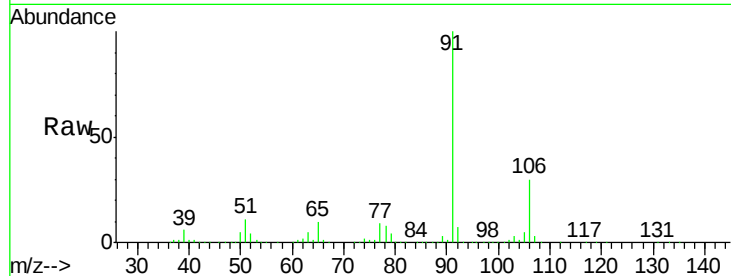
91 100

106 29.7 25.8 38.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 107.073 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012212.D

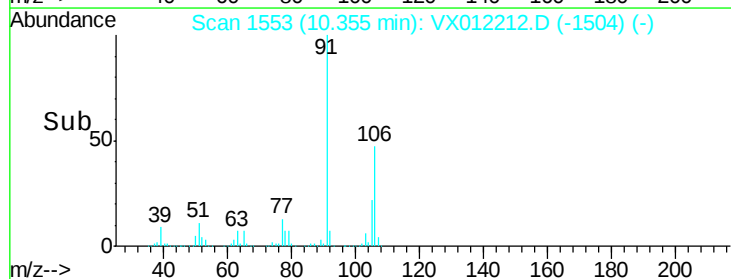
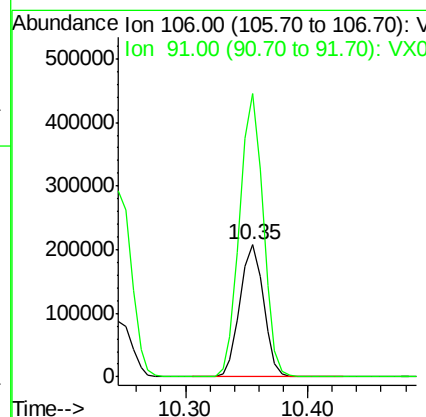
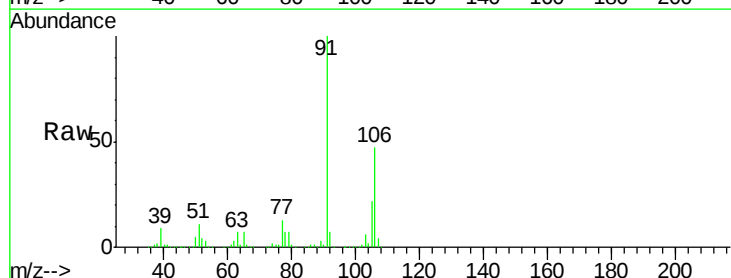
Acq: 08 Sep 2019 10:08

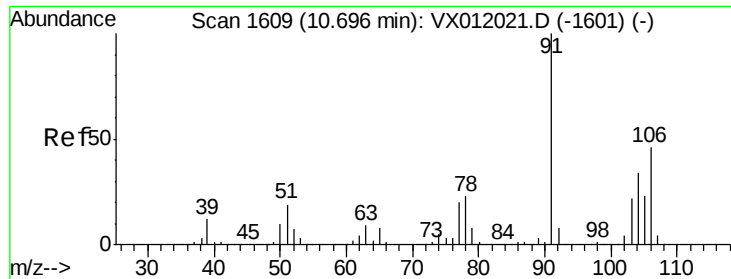
Tgt Ion: 106 Resp: 278857

Ion Ratio Lower Upper

106 100

91 212.1 157.5 236.3





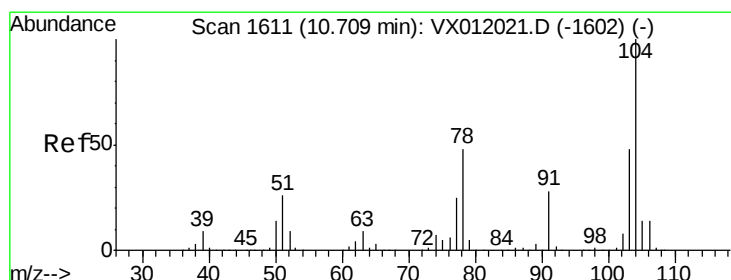
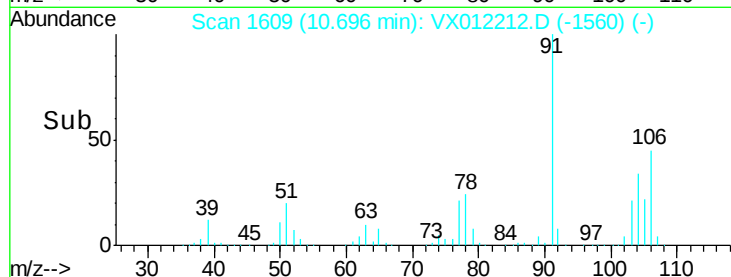
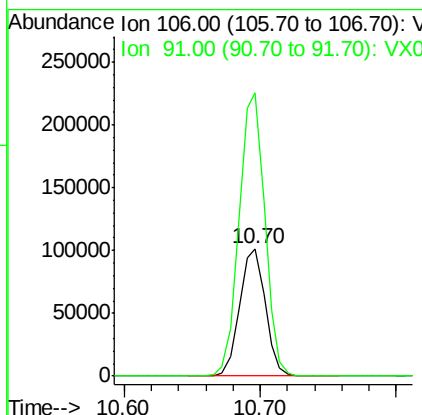
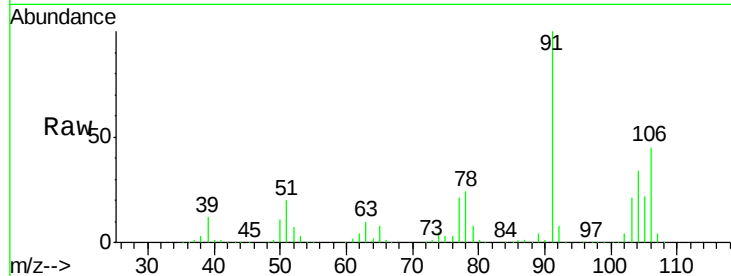
#69
o-Xylene
Concen: 52.670 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	223.0	103.5	133013	310.3	

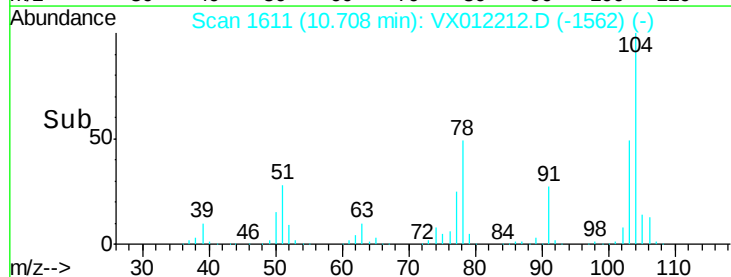
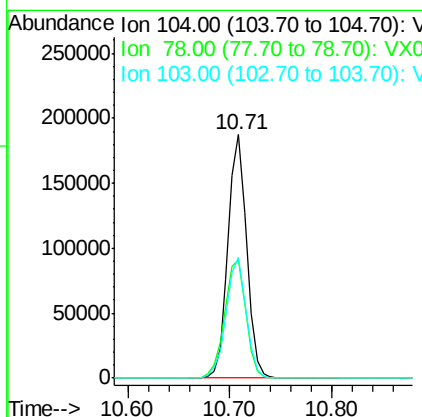
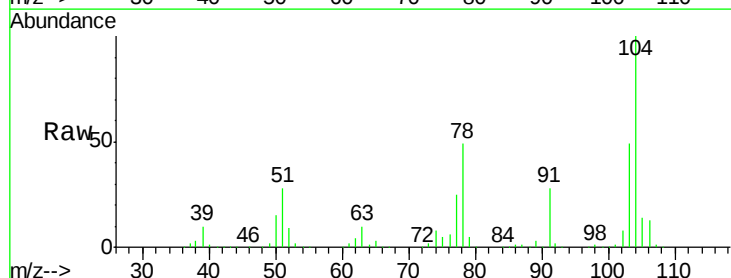
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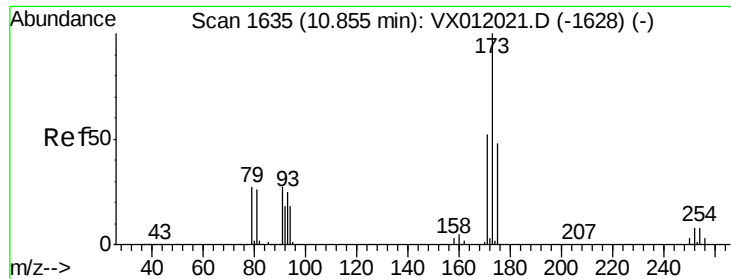
MMDadoda
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#70
Styrene
Concen: 53.918 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	55.9	39.1	236508	65.2	
103	53.7	43.4			





#71

Bromoform

Concen: 50.529 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

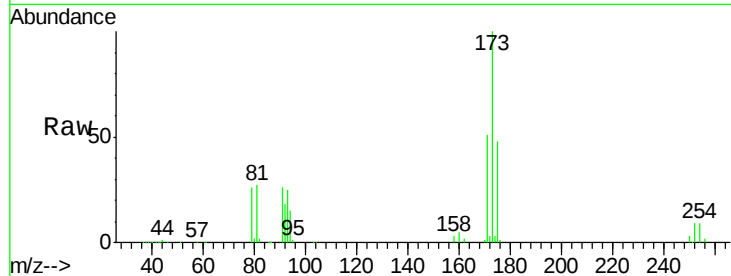
ClientSampleId :

VSTDCCC050

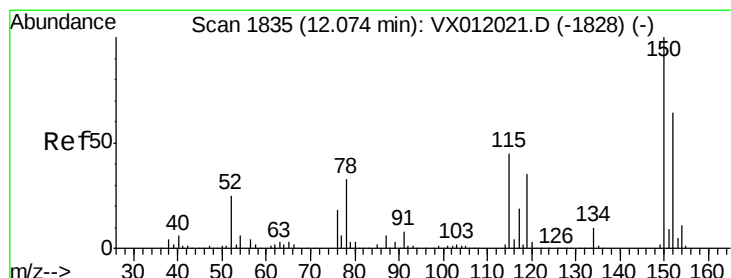
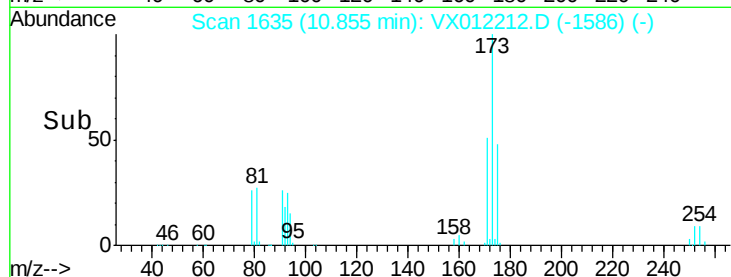
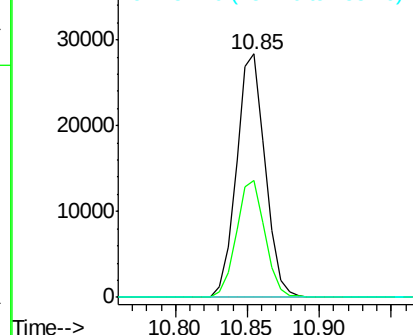
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.9	74.7
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

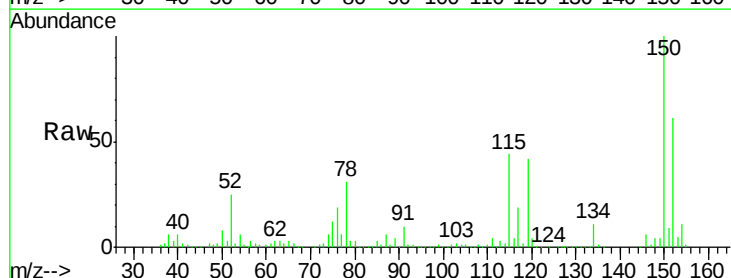
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

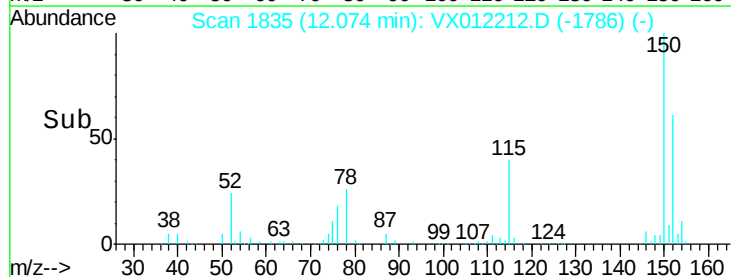
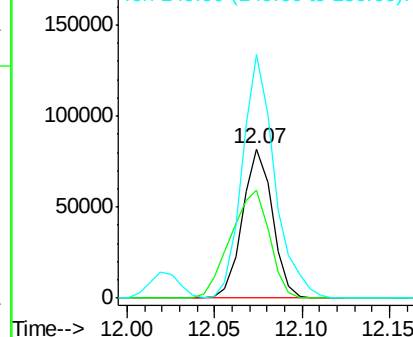
Lab File: VX012212.D

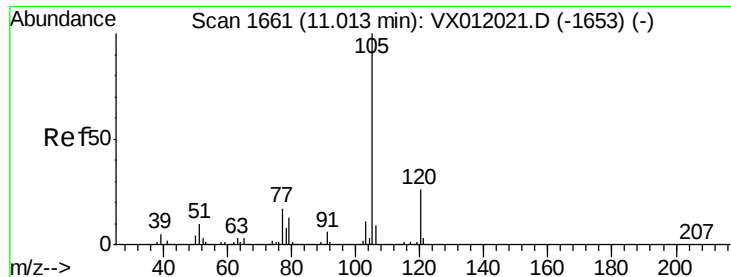
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	93.8	36.4	109.3
150	176.9	0.0	341.2



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





#73

Isopropylbenzene

Concen: 52.095 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 372924

Ion Ratio Lower Upper

105 100

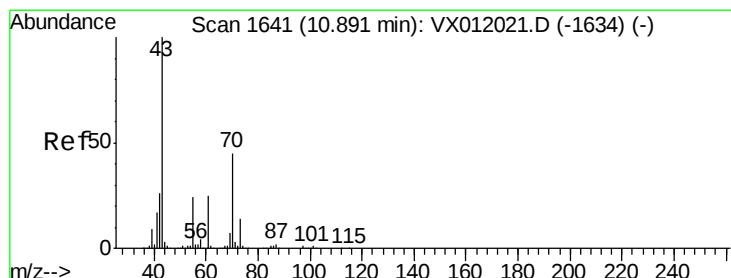
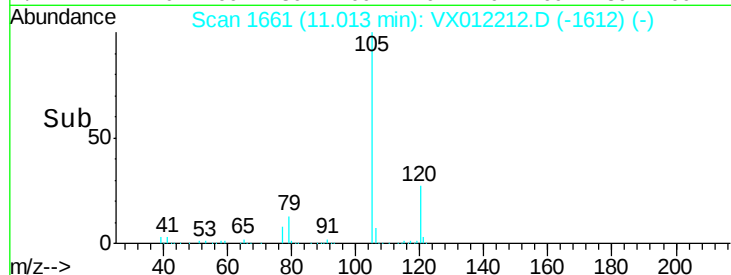
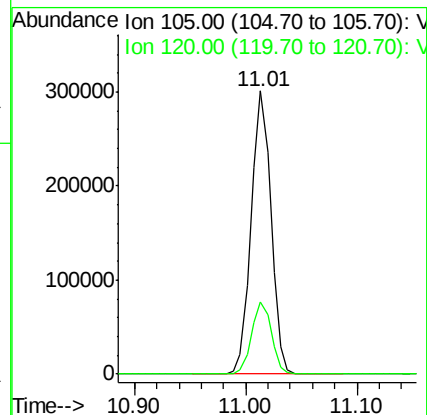
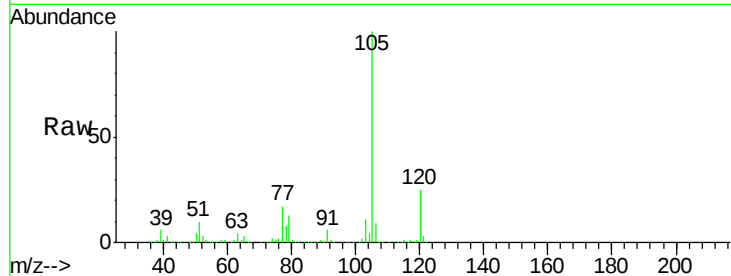
120 25.5 13.9 41.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 50.727 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tgt Ion: 43 Resp: 107366

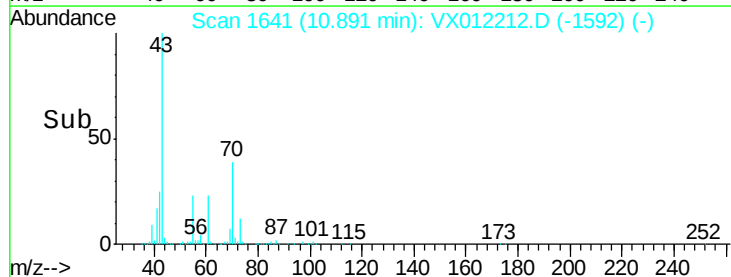
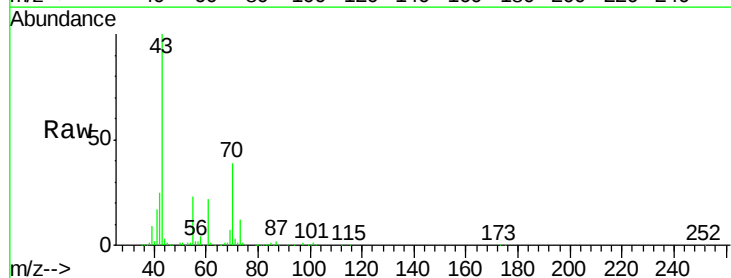
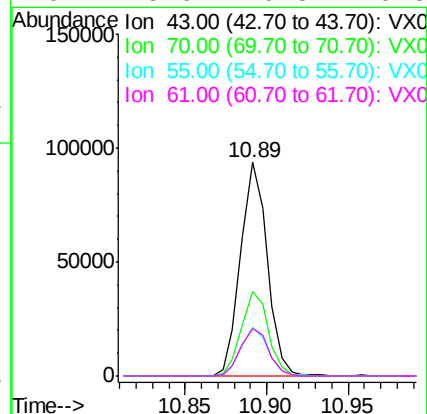
Ion Ratio Lower Upper

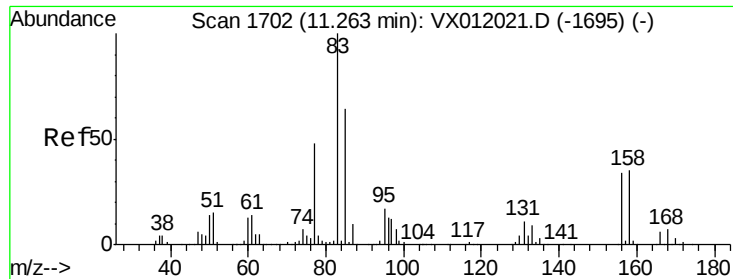
43 100

70 40.5 34.4 51.6

55 23.4 18.5 27.7

61 23.6 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.074 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

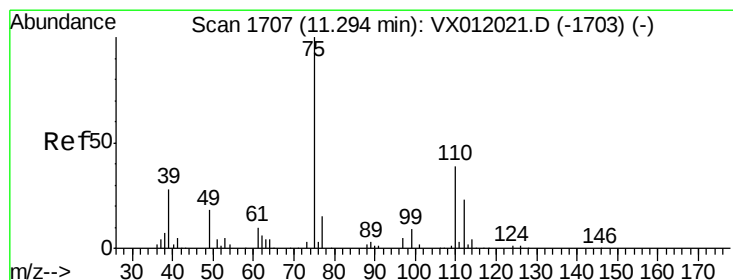
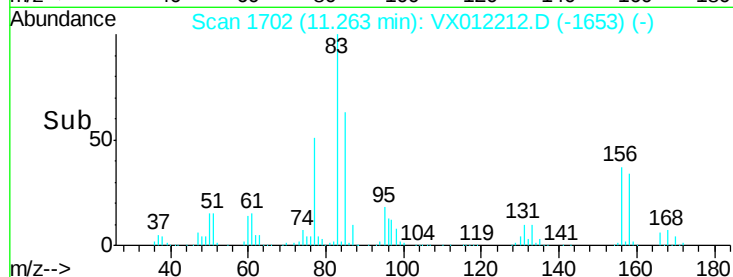
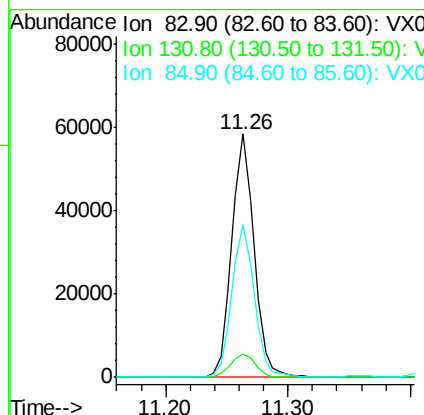
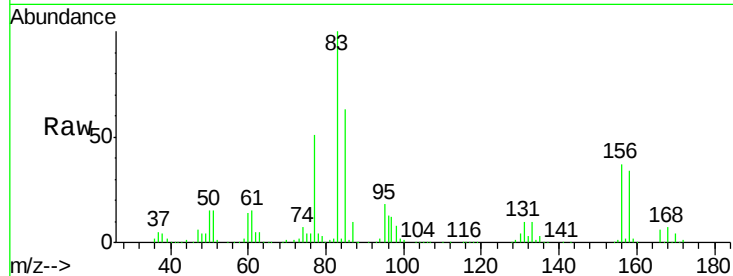
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	73236
Ion Ratio	Lower	Upper	
83	100		
131	10.7	6.3	19.1
85	63.5	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 47.944 ug/l m

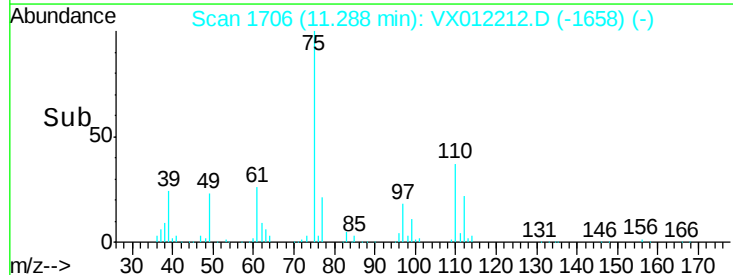
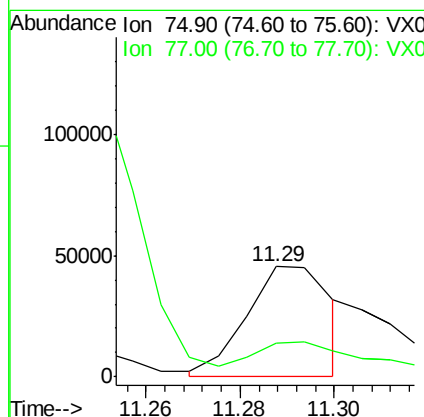
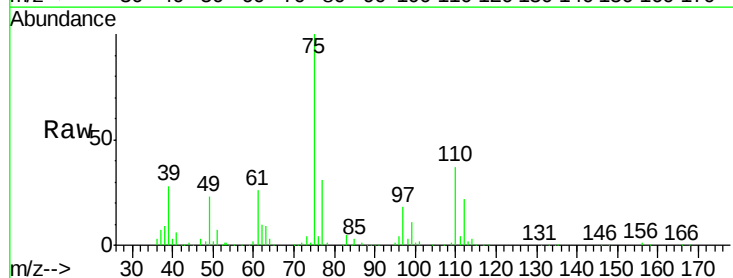
RT: 11.29 min Scan# 1706

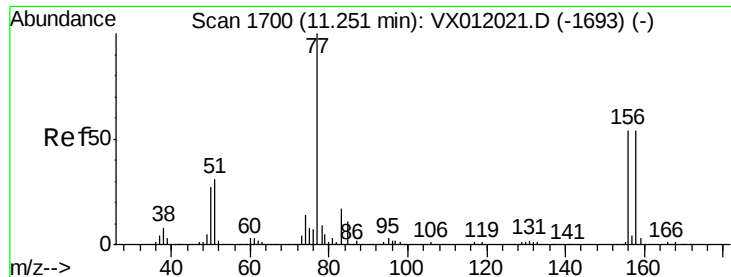
Delta R.T. -0.01 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tgt Ion:	75	Resp:	57154
Ion Ratio	Lower	Upper	
75	100		
77	44.0	23.5	70.5





#77

Bromobenzene

Concen: 53.213 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

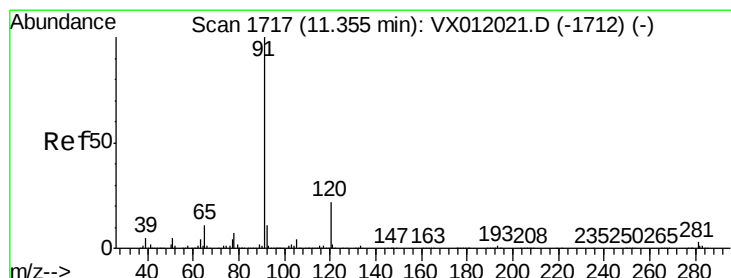
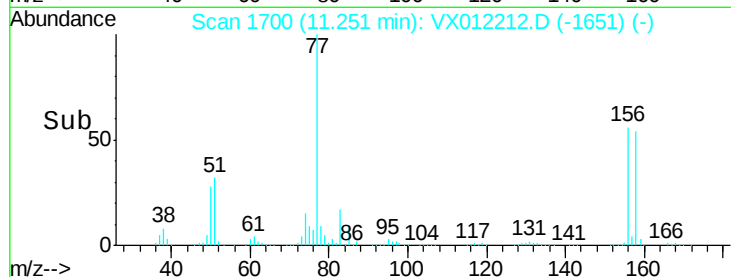
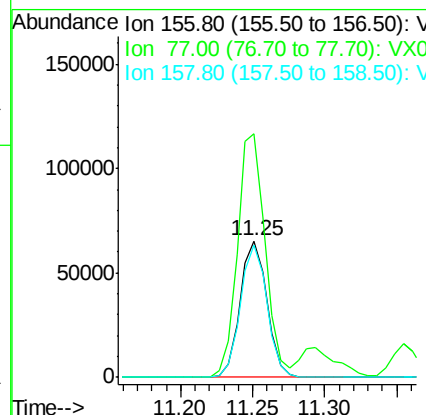
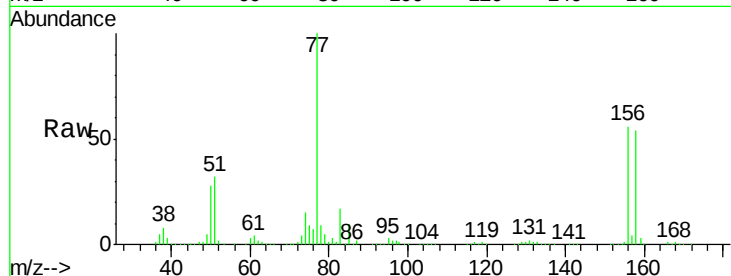
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.2	63.4	190.2
158	95.9	48.9	146.6

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#78

n-propylbenzene

Concen: 51.302 ug/l

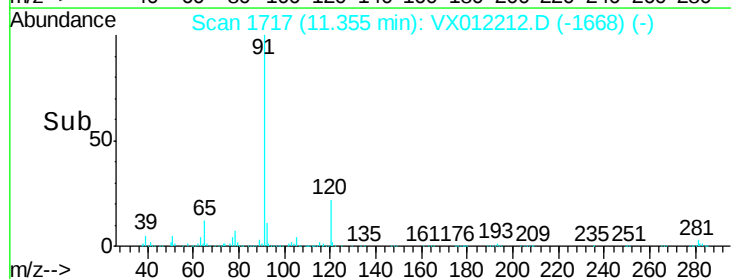
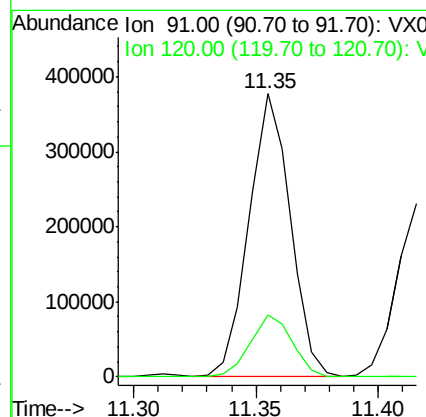
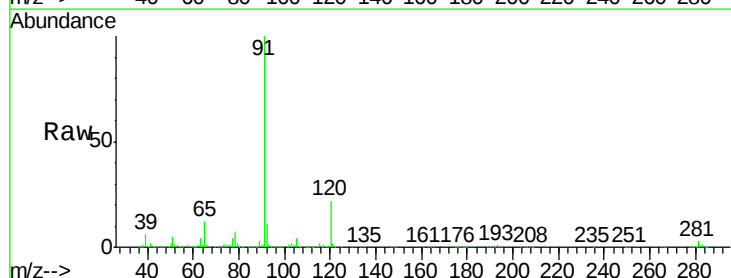
RT: 11.35 min Scan# 1717

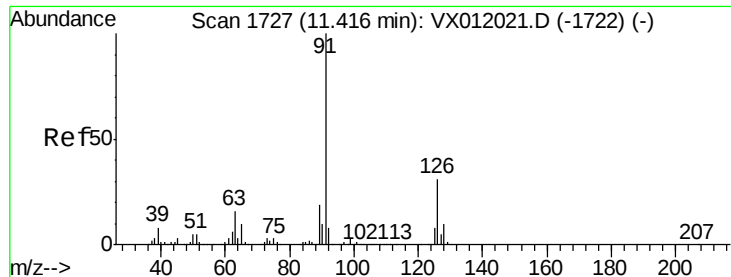
Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 52.379 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 274436

Ion Ratio Lower Upper

91 100

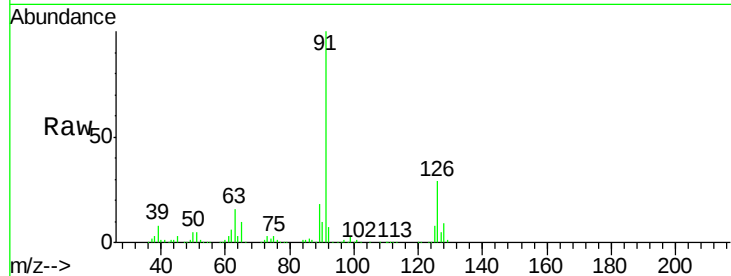
126 30.3 18.6 55.8

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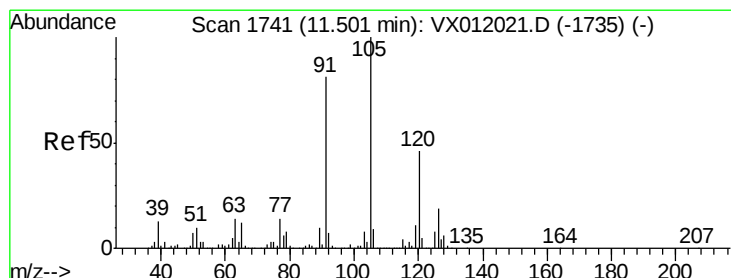
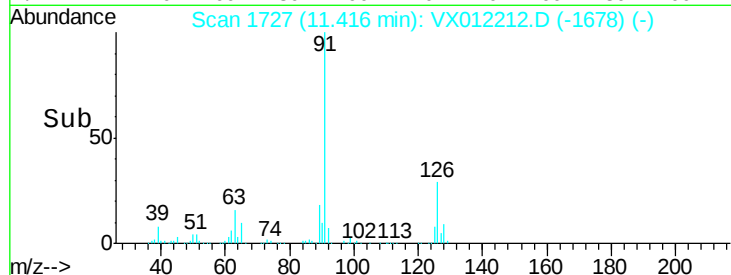
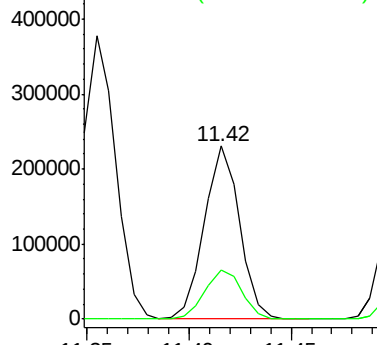
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.719 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012212.D

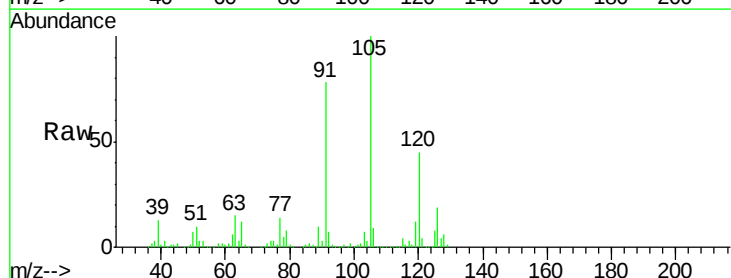
Acq: 08 Sep 2019 10:08

Tgt Ion:105 Resp: 330720

Ion Ratio Lower Upper

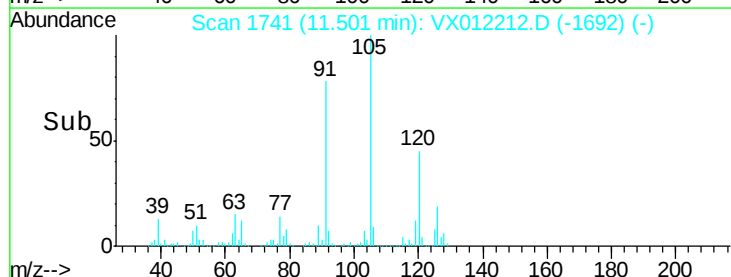
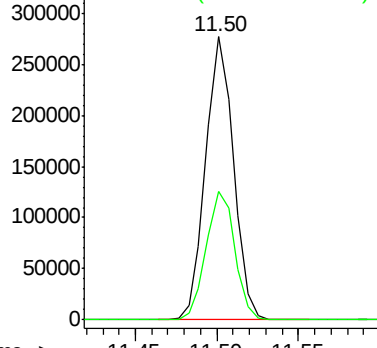
105 100

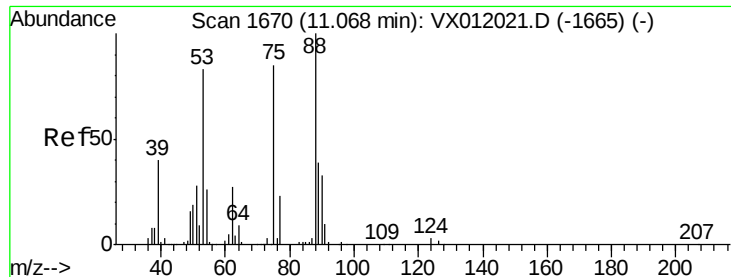
120 46.6 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





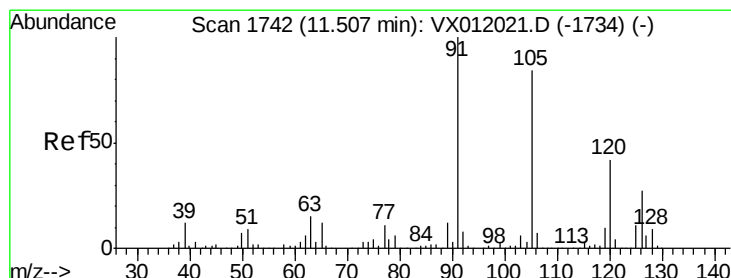
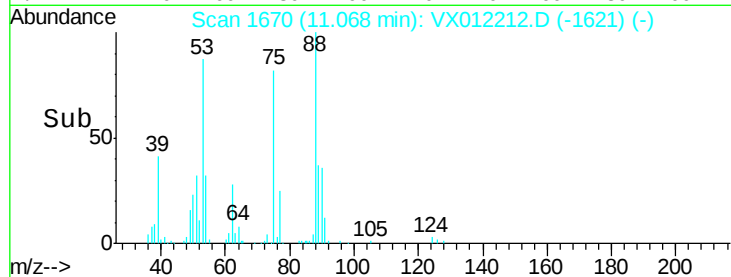
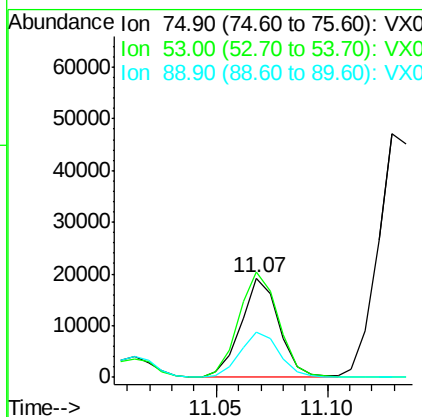
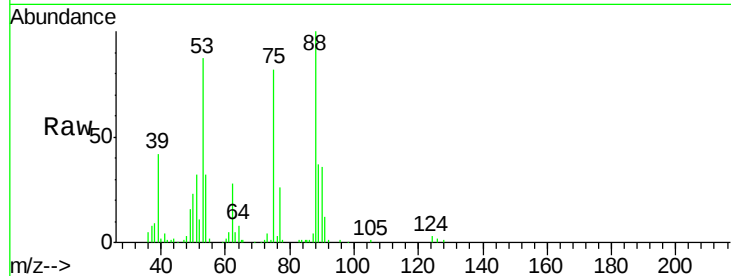
#81
trans-1,4-Dichloro-2-butene
Concen: 45.022 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.9	78.6	117.8
89	47.3	38.8	58.2

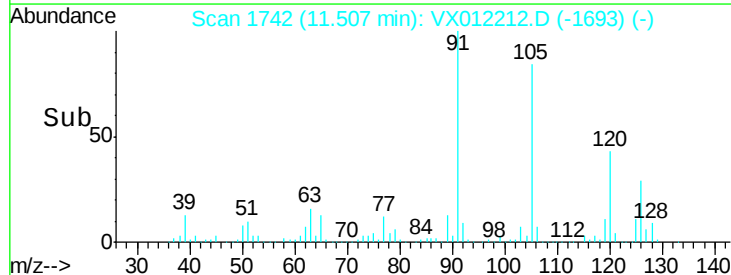
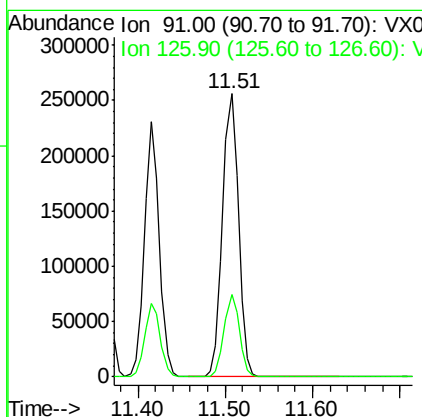
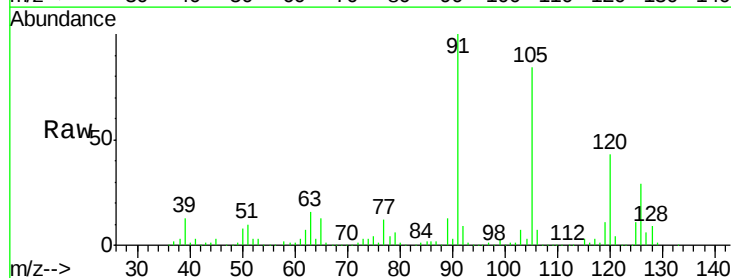
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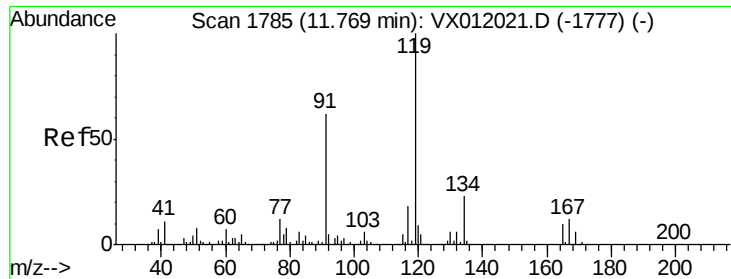
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#82
4-Chlorotoluene
Concen: 51.750 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	16.2	48.6





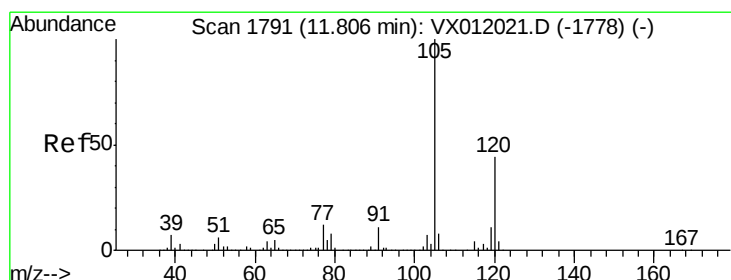
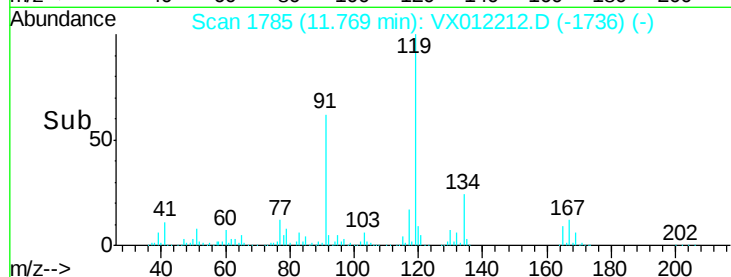
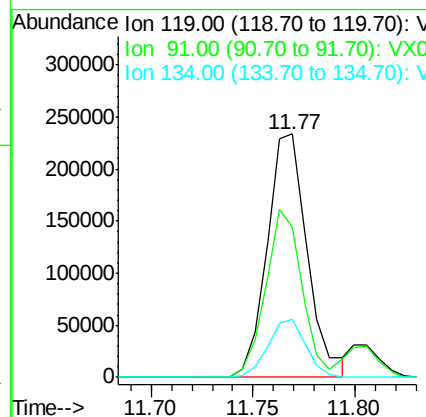
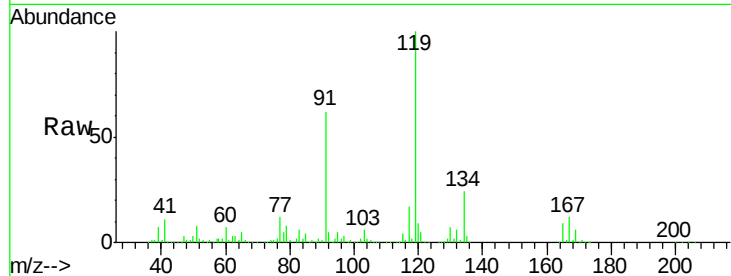
#83
 tert-Butylbenzene
 Concen: 53.460 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	319648		
91	62.6		27.1	81.2
134	22.6		12.1	36.3

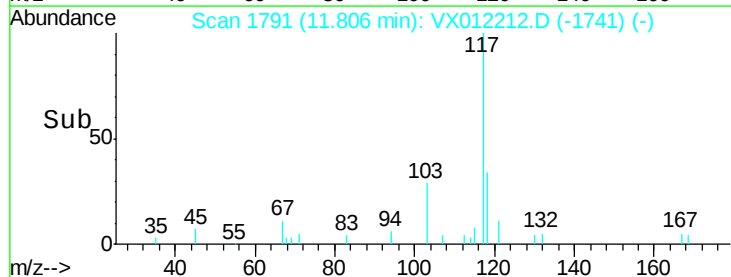
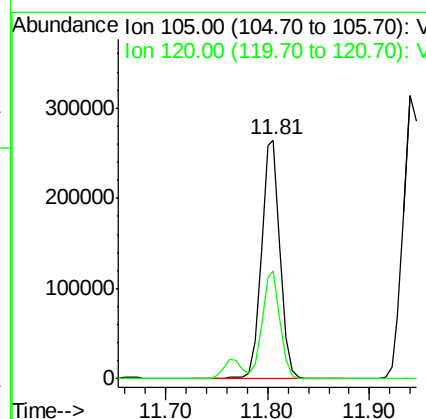
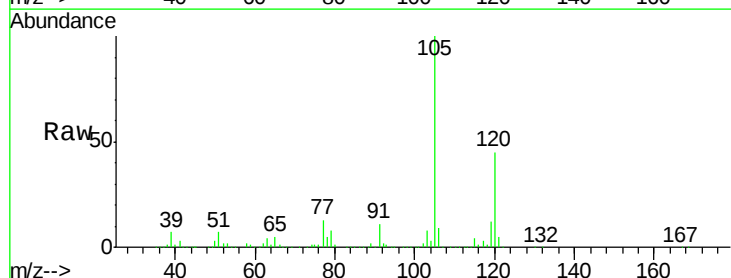
Manual Integrations
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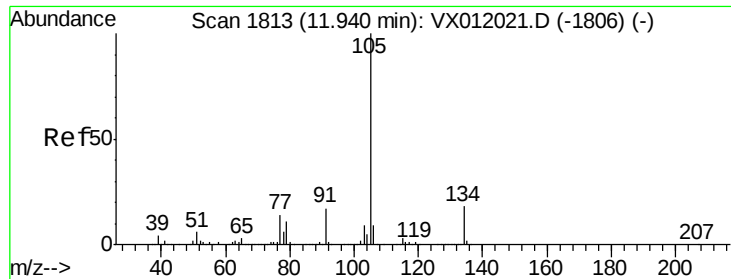
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.496 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	338471		
120	43.5		23.6	70.8





#85

sec-Butylbenzene

Concen: 52.019 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 386329

Ion Ratio Lower Upper

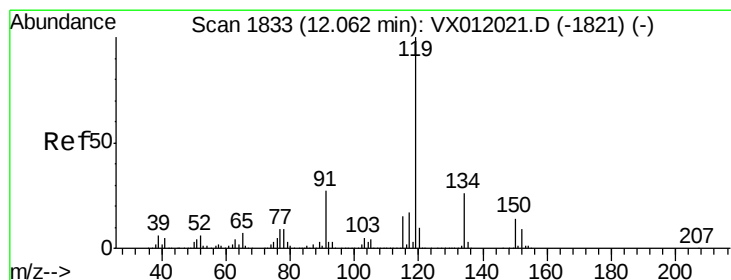
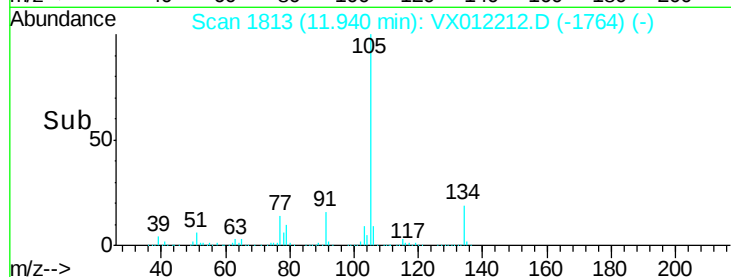
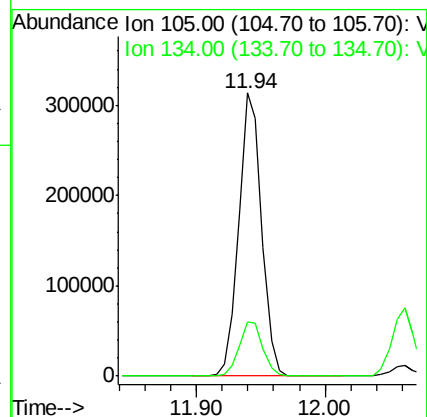
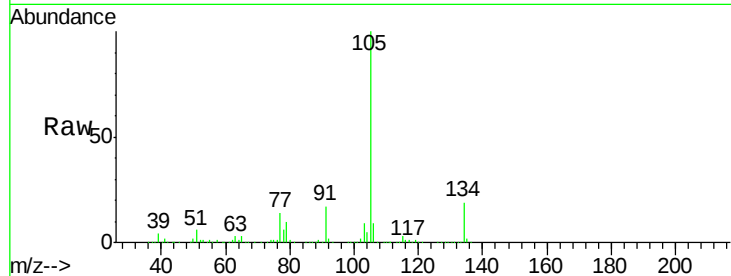
105 100

134 19.7 11.2 33.6

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#86

p-Isopropyltoluene

Concen: 52.497 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012212.D

Acq: 08 Sep 2019 10:08

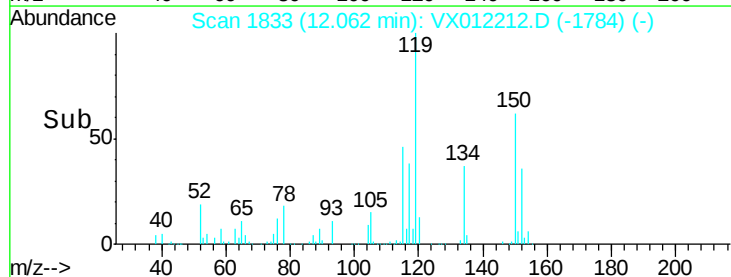
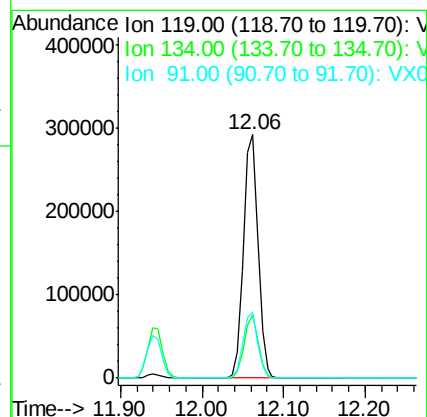
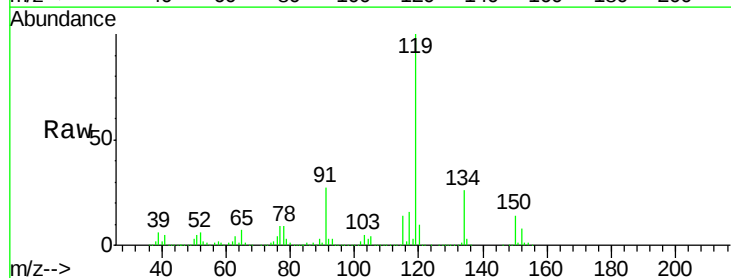
Tgt Ion:119 Resp: 354568

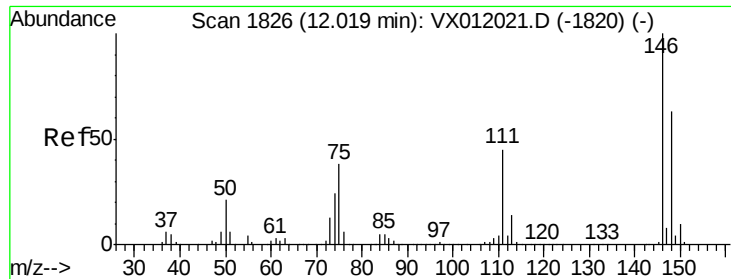
Ion Ratio Lower Upper

119 100

134 25.3 13.7 41.1

91 26.8 11.4 34.1





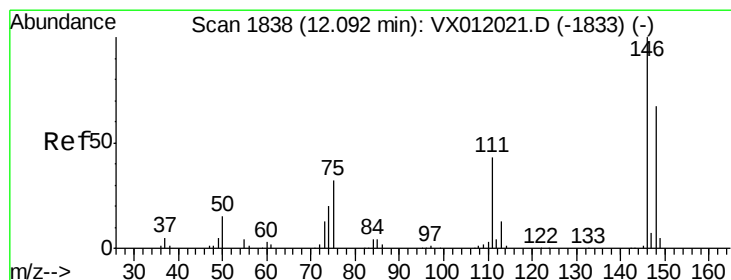
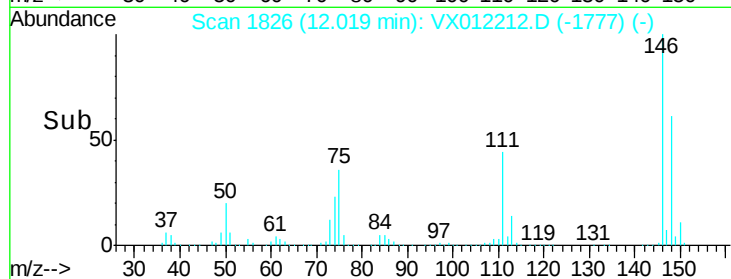
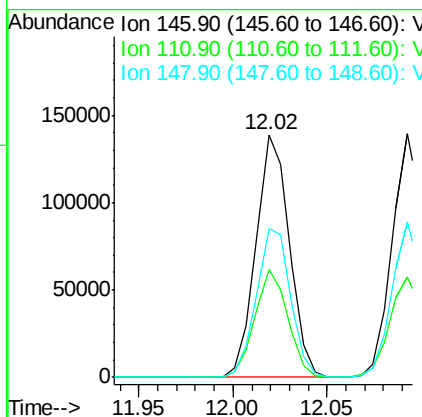
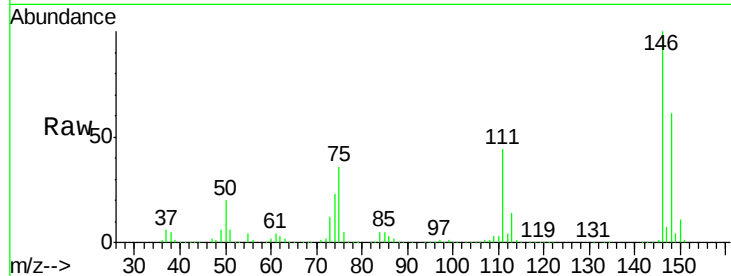
#87
 1,3-Dichlorobenzene
 Concen: 53.240 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	18.1	54.1
148	62.9	32.6	97.8

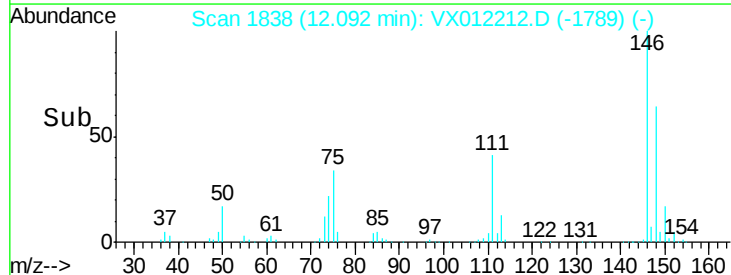
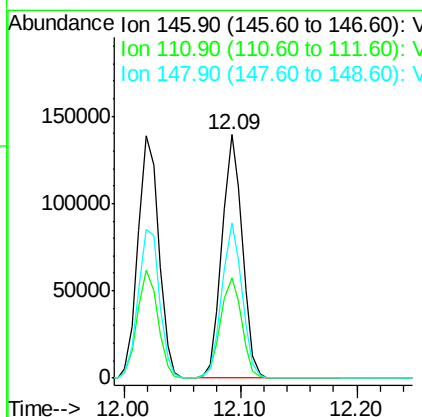
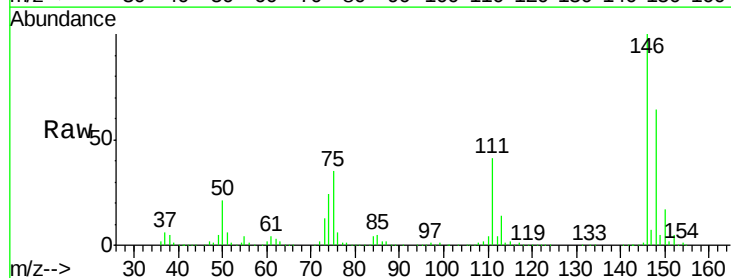
Manual Integrations
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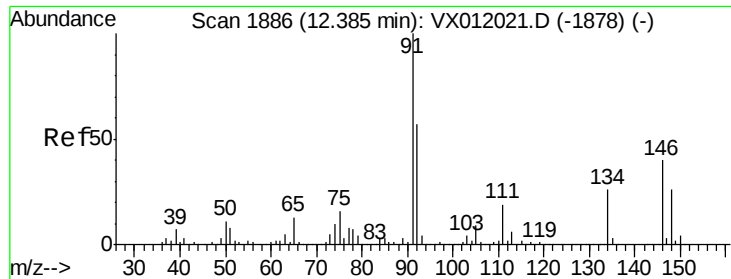
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#88
 1,4-Dichlorobenzene
 Concen: 52.489 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	17.7	53.1
148	63.2	32.4	97.0





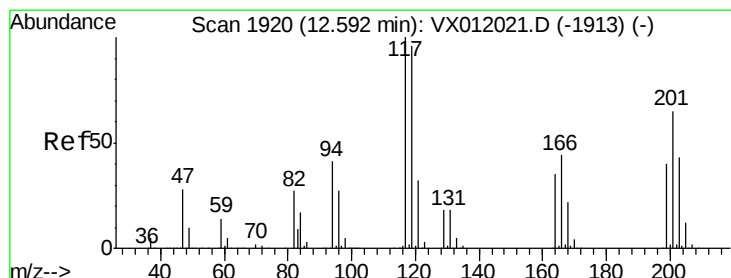
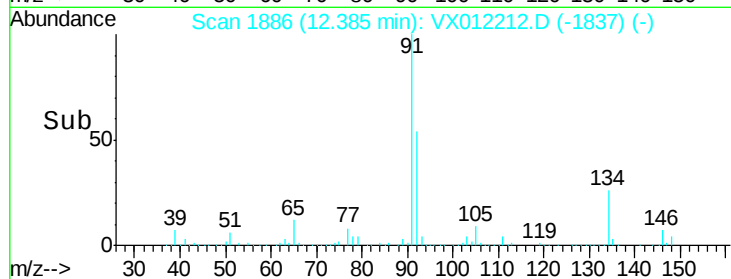
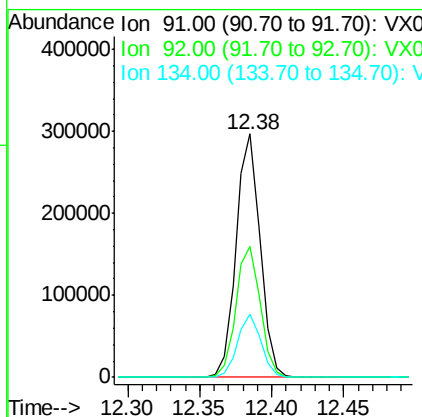
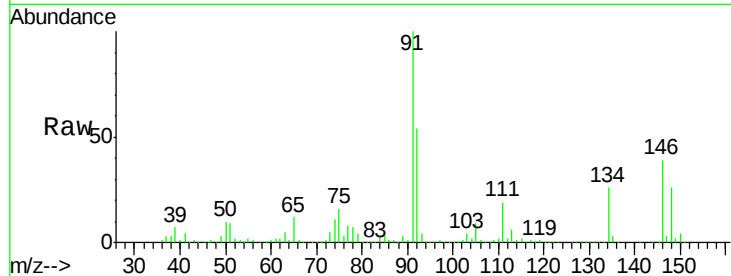
#89
n-Butylbenzene
Concen: 52.656 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	345471		
92	54.5	27.6	82.8	
134	25.2	15.4	46.1	

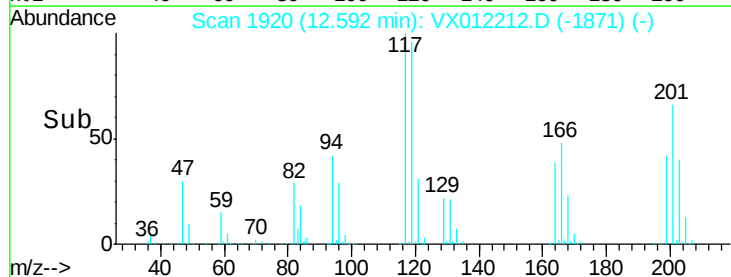
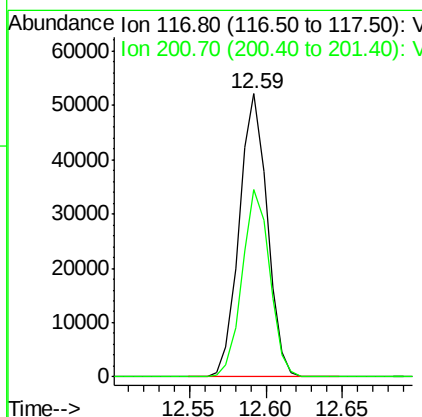
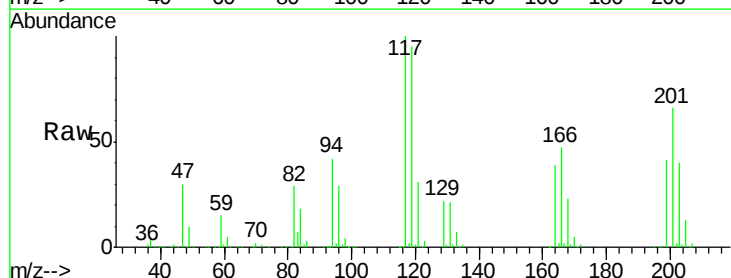
Manual Integrations
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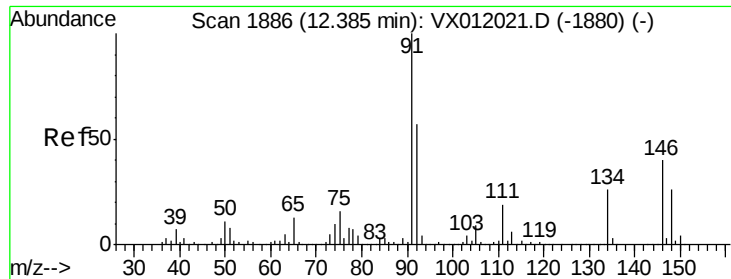
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9/9/2019 8:43:16 AM



#90
Hexachloroethane
Concen: 48.968 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	66037		
201	65.0	55.0	165.2	





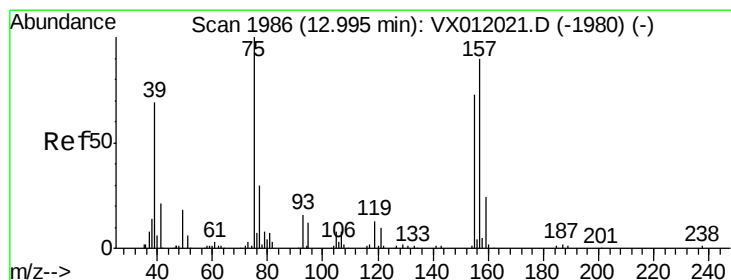
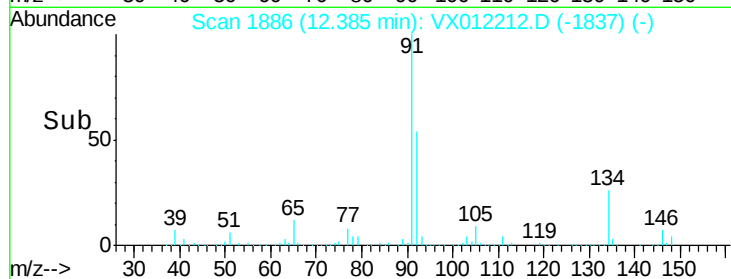
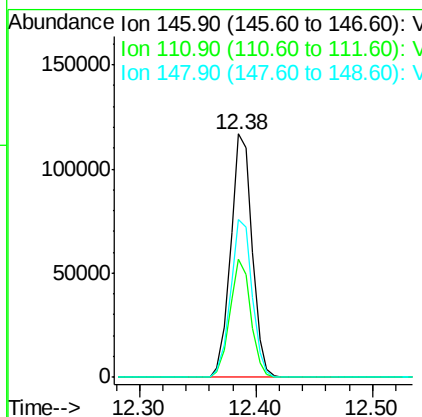
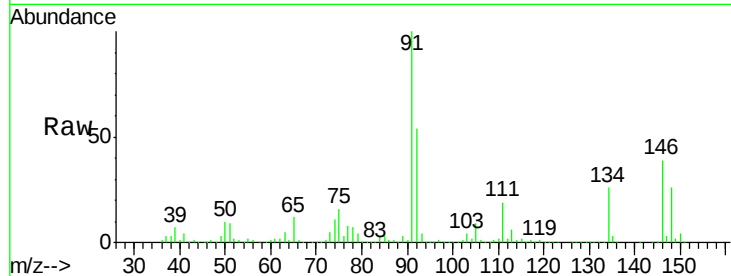
#91
 1,2-Dichlorobenzene
 Concen: 51.775 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149594		
111	47.0	18.6	56.0	
148	65.3	32.4	97.2	

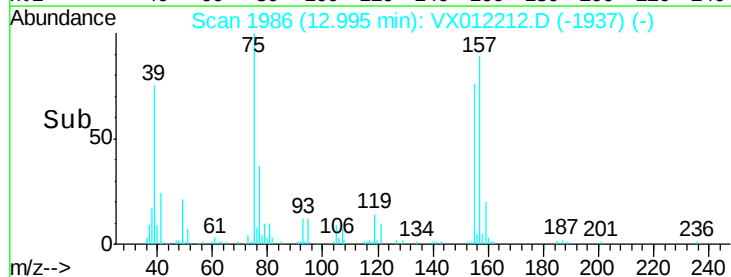
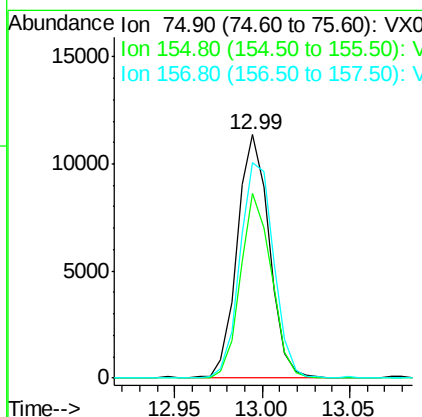
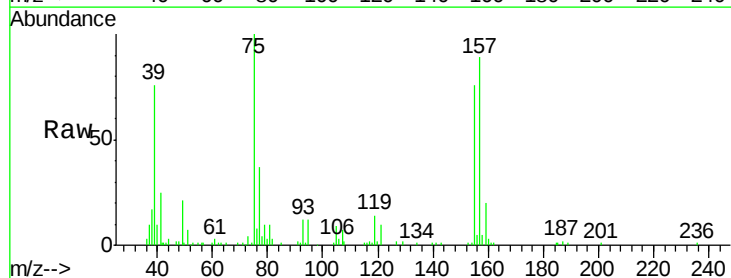
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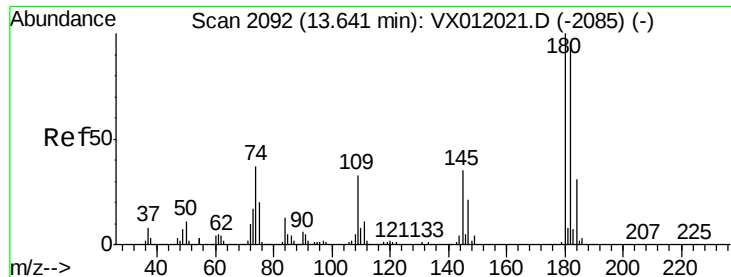
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.489 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14518		
155	72.8	51.7	155.2	
157	92.8	66.9	200.7	





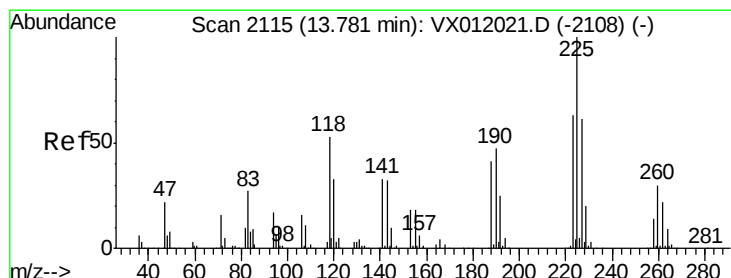
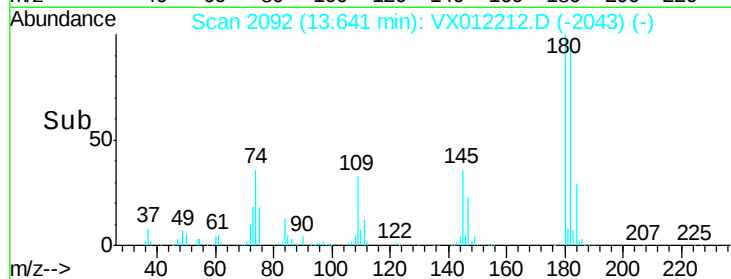
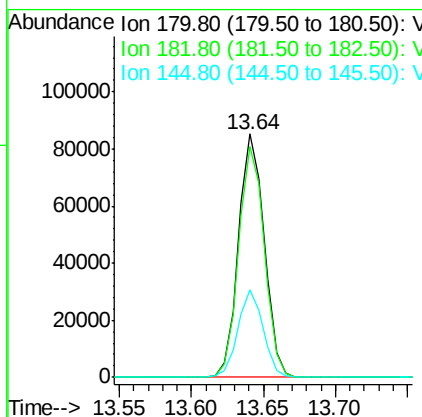
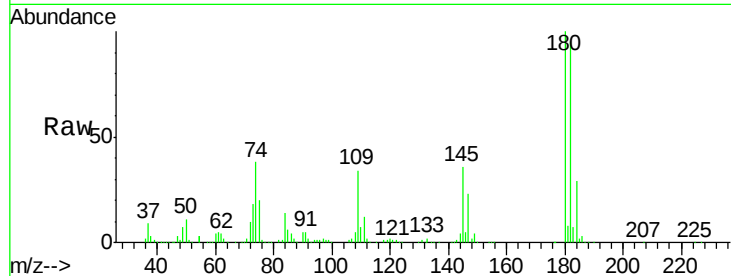
#93
 1,2,4-Trichlorobenzene
 Concen: 51.491 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105891		
182	94.8	47.3	142.0	
145	35.2	13.7	41.0	

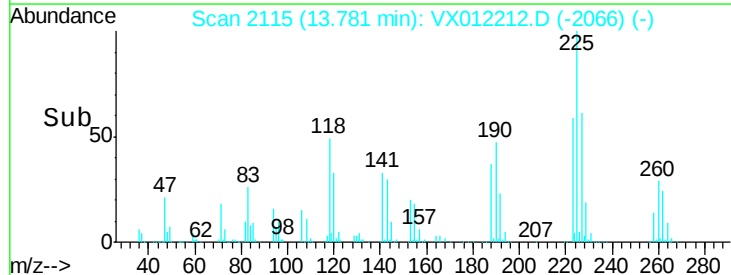
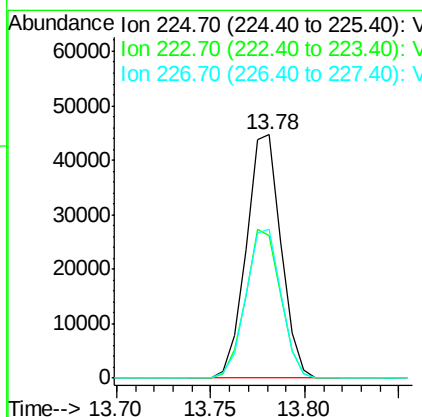
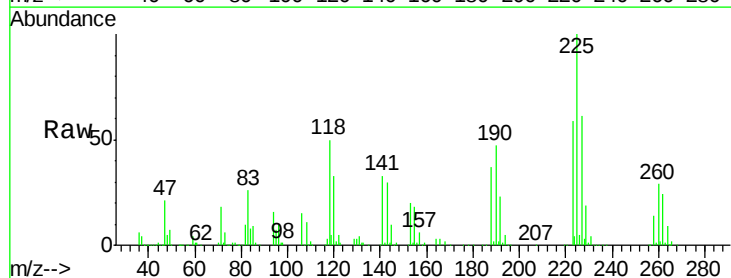
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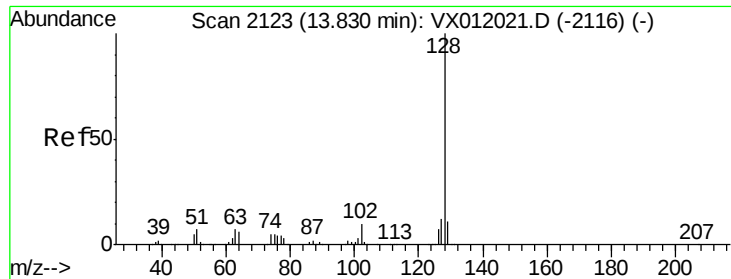
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#94
 Hexachlorobutadiene
 Concen: 55.244 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012212.D
 Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57269		
223	61.1	31.6	95.0	
227	61.7	32.5	97.5	





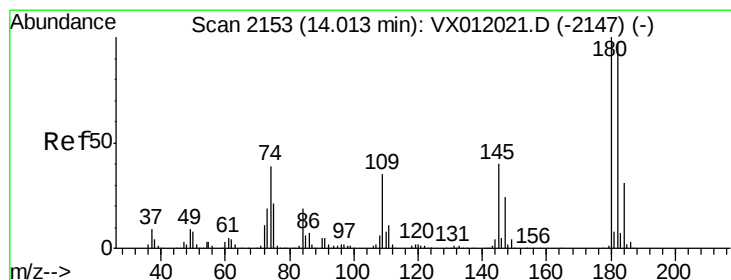
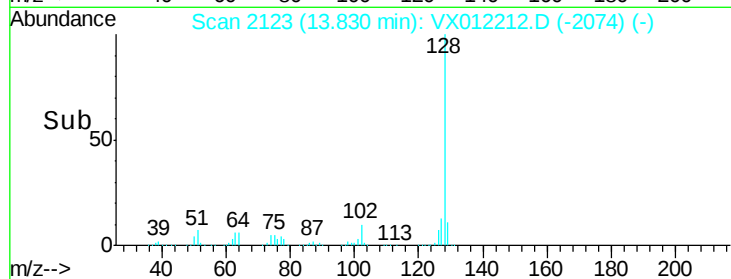
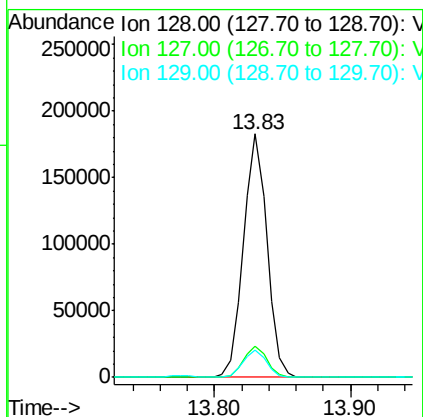
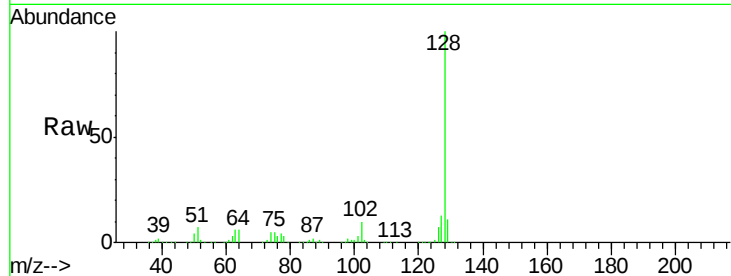
#95
Naphthalene
Concen: 49.598 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	220752		
127	12.8		10.5	15.7
129	11.0		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.515 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012212.D
Acq: 08 Sep 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	91394		
182	96.7		47.9	143.6
145	37.3		14.1	42.4

