

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040519\
 Data File : VX008707.D
 Acq On : 06 Apr 2019 01:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 9:50:47 AM

Quant Time: Apr 06 03:52:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	174741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295292	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	266929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	127942	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	5.50	113	94896	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	8.71	98	382595	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.13	95	137989	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	88034	43.767	ug/l	97
3) Chloromethane	1.32	50	124051	50.335	ug/l	100
4) Vinyl Chloride	1.41	62	122855	45.183	ug/l	98
5) Bromomethane	1.64	94	55264	41.588	ug/l	98
6) Chloroethane	1.71	64	73788	49.670	ug/l	99
7) Trichlorofluoromethane	1.92	101	138225	45.988	ug/l	99
8) Diethyl Ether	2.19	74	65146	45.705	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	87078	44.998	ug/l	99
10) Methyl Iodide	2.51	142	78609	45.034	ug/l	100
11) Tert butyl alcohol	3.06	59	144715	242.533	ug/l	100
12) 1,1-Dichloroethene	2.37	96	91072	45.082	ug/l	97
13) Acrolein	2.29	56	183218	619.259	ug/l	97
14) Allyl chloride	2.73	41	211942	45.829	ug/l	99
15) Acrylonitrile	3.14	53	371262	234.870	ug/l	99
16) Acetone	2.45	43	318406	216.901	ug/l	97
17) Carbon Disulfide	2.57	76	262107	44.854	ug/l	99
18) Methyl Acetate	2.78	43	166581	46.789	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	348327	48.282	ug/l	99
20) Methylene Chloride	2.85	84	110593	45.007	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	95620	43.759	ug/l	95
22) Diisopropyl ether	3.85	45	421594	47.298	ug/l	93
23) Vinyl Acetate	3.81	43	1878002	242.190	ug/l	99
24) 1,1-Dichloroethane	3.70	63	204797	46.405	ug/l	100
25) 2-Butanone	4.67	43	552163	237.983	ug/l	100
26) 2,2-Dichloropropane	4.58	77	125017	40.220	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	113537	45.193	ug/l	98
28) Bromochloromethane	5.01	49	96272	52.366	ug/l	100
29) Tetrahydrofuran	5.13	42	366900	238.254	ug/l	99
30) Chloroform	5.21	83	184443	46.792	ug/l	98
31) Cyclohexane	5.58	56	197258	44.795	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	150963	47.394	ug/l	100
36) 1,1-Dichloropropene	5.80	75	142479	44.141	ug/l	100
37) Ethyl Acetate	4.83	43	207321	48.119	ug/l	99
38) Carbon Tetrachloride	5.79	117	124469	46.590	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	172706	43.313	ug/l	99
40) Benzene	6.14	78	442953	46.064	ug/l	100
41) Methacrylonitrile	5.04	41	117135	47.298	ug/l	100
42) 1,2-Dichloroethane	6.19	62	157752	45.760	ug/l	99
43) Isopropyl Acetate	6.45	43	333647	49.435	ug/l	99
44) Trichloroethene	7.21	130	101624	45.375	ug/l	99
45) 1,2-Dichloropropane	7.51	63	126290	46.013	ug/l	99
46) Dibromomethane	7.66	93	71267	44.770	ug/l	98
47) Bromodichloromethane	7.90	83	143246	47.726	ug/l	99
48) Methyl methacrylate	7.77	41	167388	49.028	ug/l	99
49) 1,4-Dioxane	7.74	88	61362	959.441	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1079170	248.385	ug/l	100
52) Toluene	8.79	92	267460	47.178	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	161436	48.016	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	181119	47.145	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	109401	48.075	ug/l	99
56) Ethyl methacrylate	9.18	69	207496	50.395	ug/l	100
57) 1,3-Dichloropropane	9.37	76	193115	47.259	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	510805	242.960	ug/l	99
59) 2-Hexanone	9.49	43	811160	240.237	ug/l	100
60) Dibromochloromethane	9.58	129	106540	49.683	ug/l	99
61) 1,2-Dibromoethane	9.67	107	112247	47.381	ug/l	99
64) Tetrachloroethene	9.33	164	89069	45.037	ug/l	98
65) Chlorobenzene	10.14	112	272308	46.022	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	97778	47.104	ug/l	99
67) Ethyl Benzene	10.25	91	507990	46.042	ug/l	100
68) m/p-Xylenes	10.36	106	371533	93.655	ug/l	98
69) o-Xylene	10.70	106	180437	46.934	ug/l	100
70) Styrene	10.71	104	314625	47.476	ug/l	100
71) Bromoform	10.85	173	78339	49.413	ug/l #	99
73) Isopropylbenzene	11.02	105	476099	47.432	ug/l	99
74) N-amyl acetate	10.90	43	282809	47.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	174982	45.838	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	172459m	51.832	ug/l	
77) Bromobenzene	11.26	156	113820	47.169	ug/l	98
78) n-propylbenzene	11.36	91	551722	47.207	ug/l	100
79) 2-Chlorotoluene	11.42	91	328536	46.452	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	402570	47.779	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	56542	46.844	ug/l	98
82) 4-Chlorotoluene	11.51	91	380563	46.485	ug/l	100
83) tert-Butylbenzene	11.77	119	392791	48.456	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	403841	47.335	ug/l	99
85) sec-Butylbenzene	11.94	105	456683	47.430	ug/l	99
86) p-Isopropyltoluene	12.06	119	408998	47.326	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	197385	45.693	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	199214	45.541	ug/l	100
89) n-Butylbenzene	12.38	91	377949	46.633	ug/l	100
90) Hexachloroethane	12.60	117	69541	48.516	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	198377	46.252	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39490	47.025	ug/l	98

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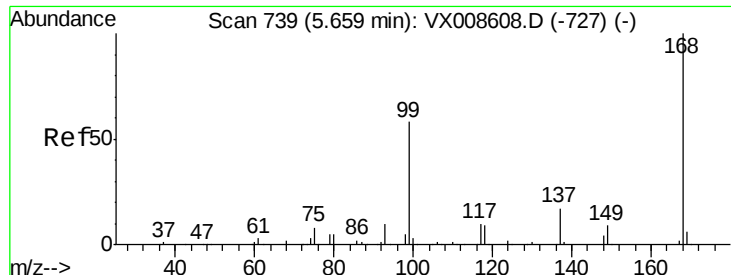
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	137719	46.181	ug/l	99
94) Hexachlorobutadiene	13.78	225	66839	46.734	ug/l	100
95) Naphthalene	13.83	128	477226	47.880	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137940	46.295	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 174741

Ion Ratio Lower Upper

168 100

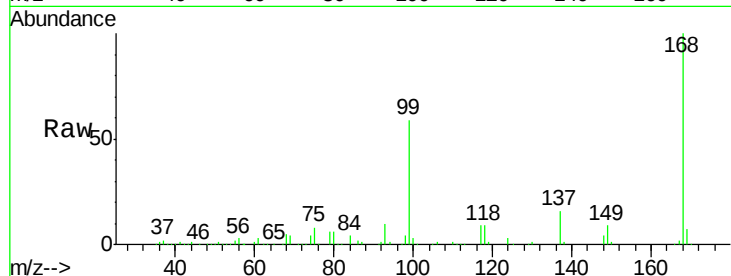
99 58.3 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

40000

20000

0

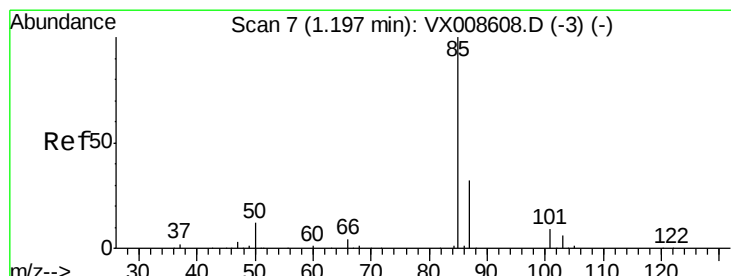
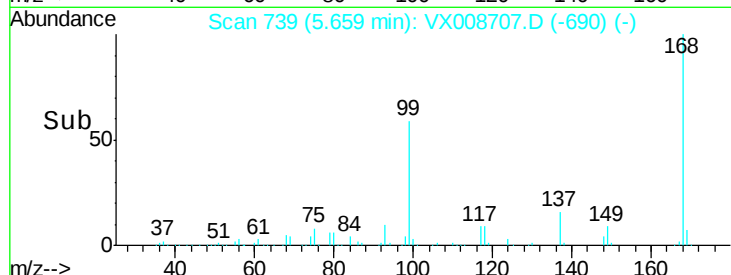
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 43.767 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008707.D

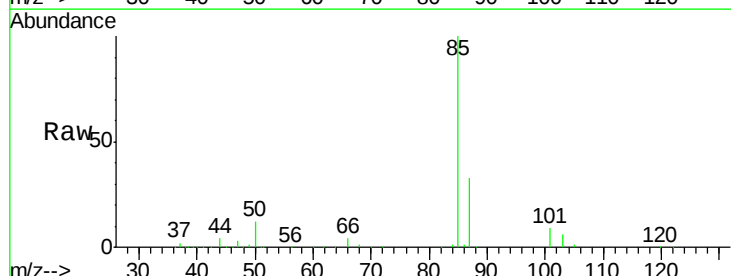
Acq: 06 Apr 2019 01:09

Tgt Ion: 85 Resp: 88034

Ion Ratio Lower Upper

85 100

87 33.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

40000

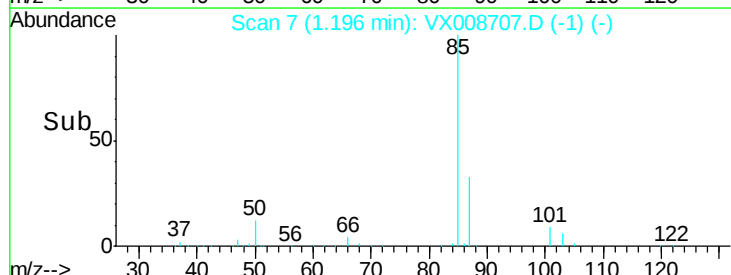
20000

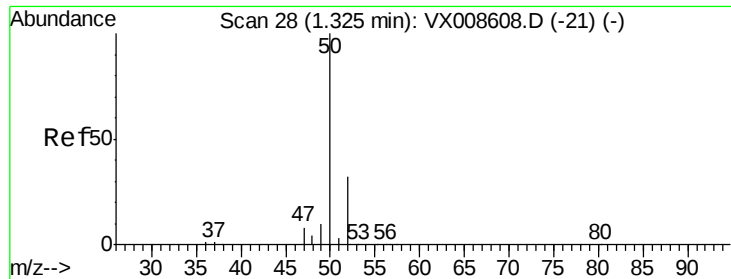
0

Time-->

1.20

1.30





#3

Chloromethane

Concen: 50.335 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tgt Ion: 50 Resp: 124051

Ion Ratio Lower Upper

50 100

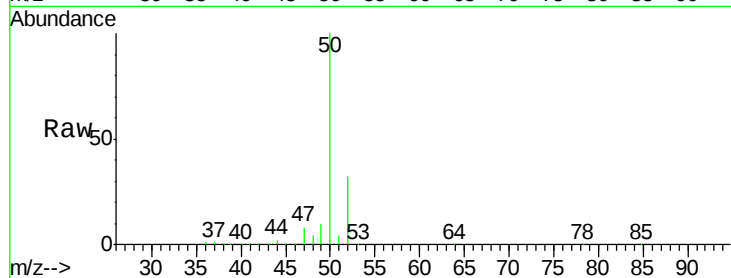
52 32.5 25.8 38.8

Manual Integrations

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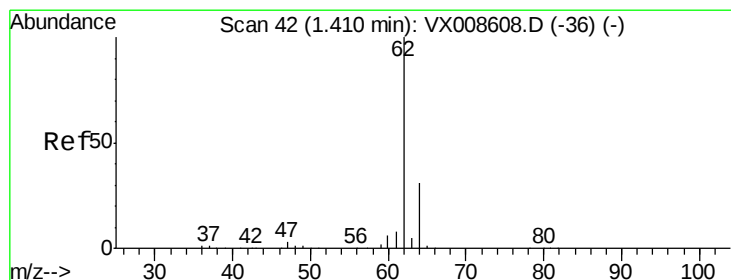
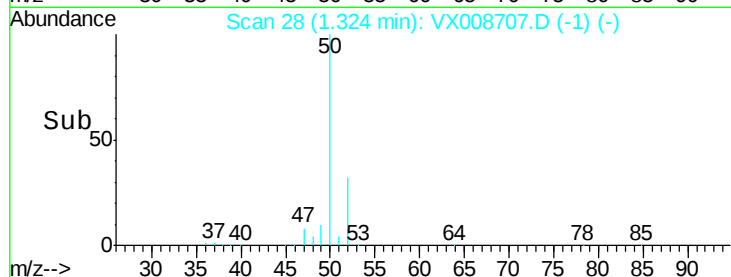
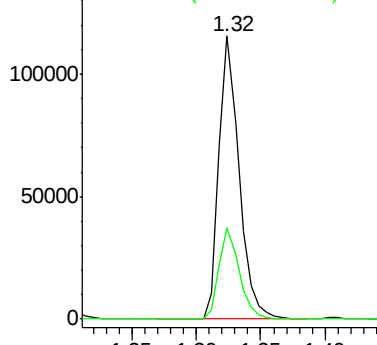
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.183 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008707.D

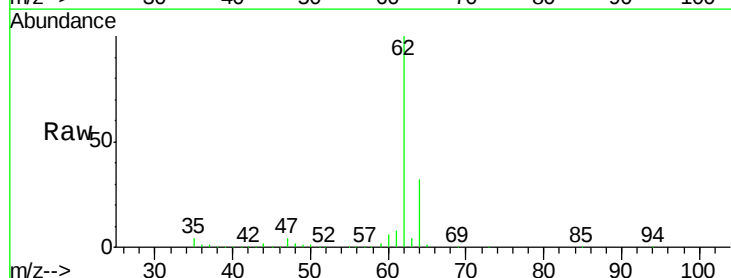
Acq: 06 Apr 2019 01:09

Tgt Ion: 62 Resp: 122855

Ion Ratio Lower Upper

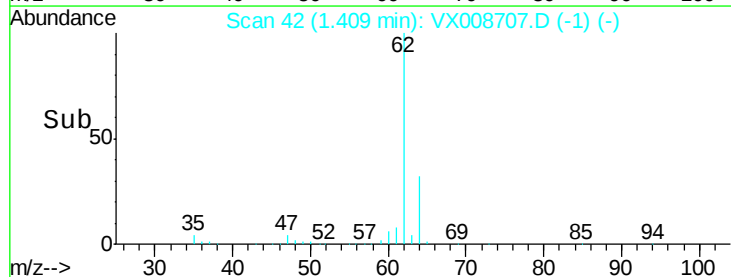
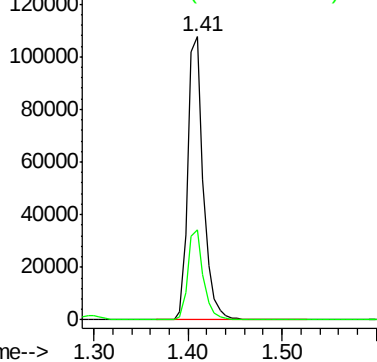
62 100

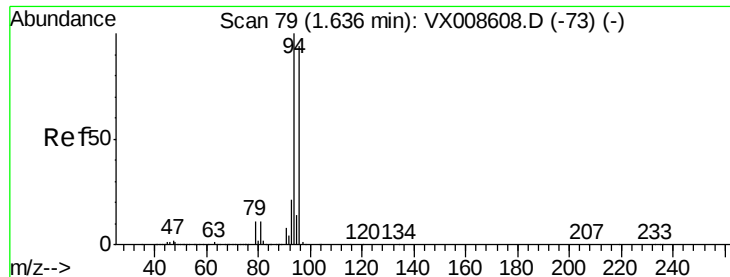
64 31.8 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 41.588 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 55264

Ion Ratio Lower Upper

94 100

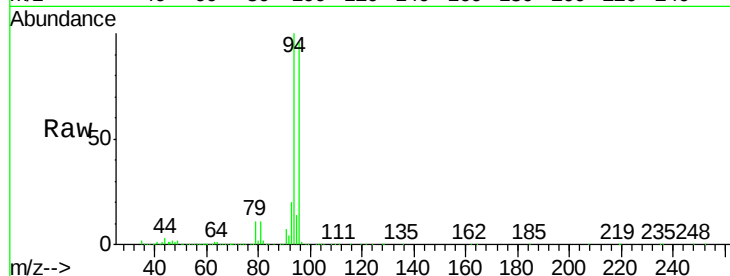
96 95.8 75.2 112.8

Manual Integrations

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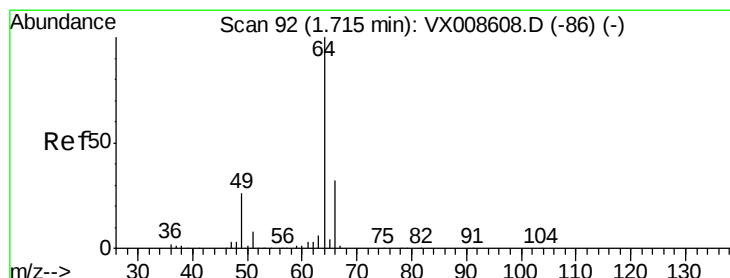
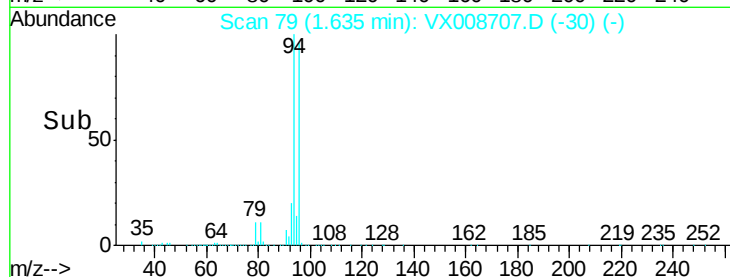
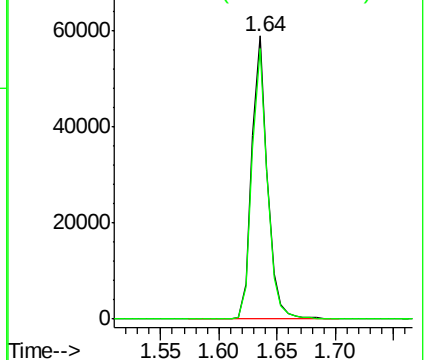
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.670 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008707.D

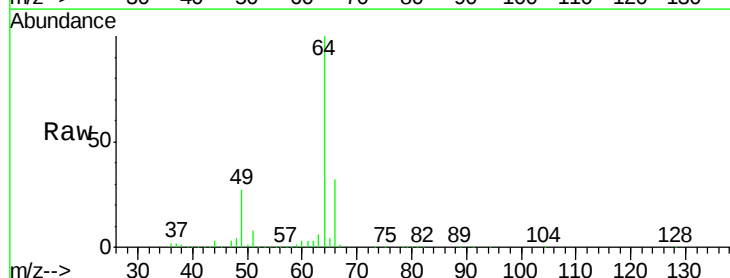
Acq: 06 Apr 2019 01:09

Tgt Ion: 64 Resp: 73788

Ion Ratio Lower Upper

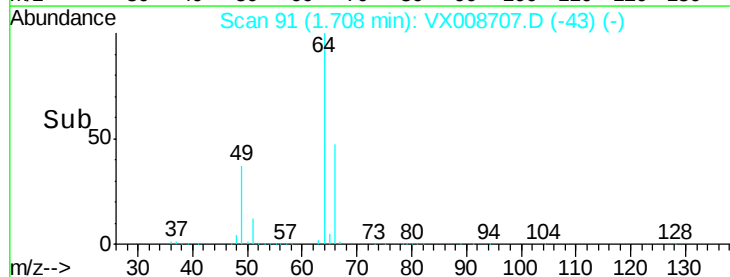
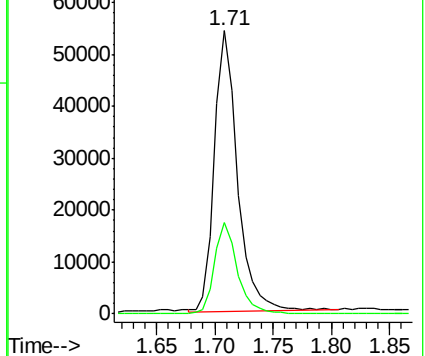
64 100

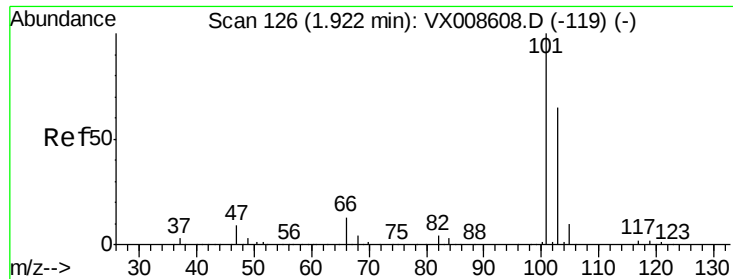
66 32.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

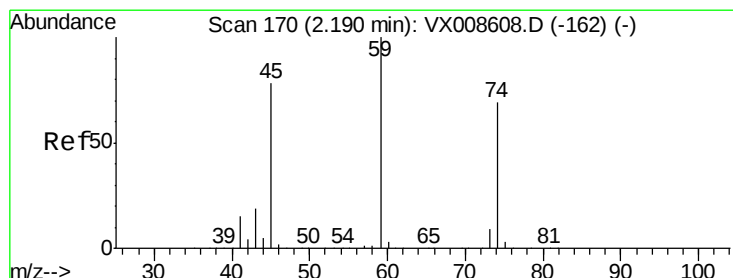
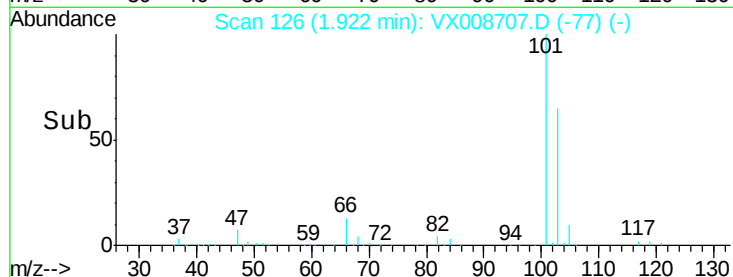
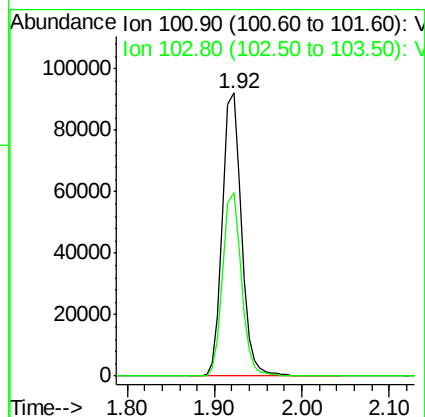
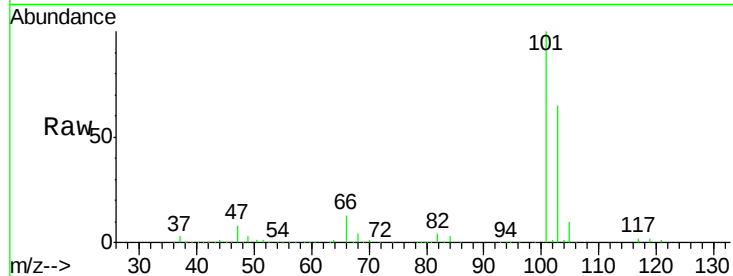
Trichlorofluoromethane
Concen: 45.988 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 138225
Ion Ratio Lower Upper
101 100
103 64.7 52.3 78.5

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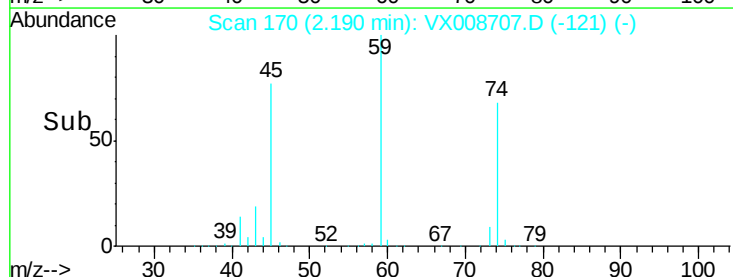
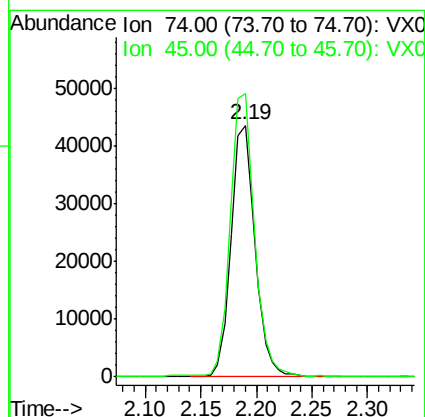
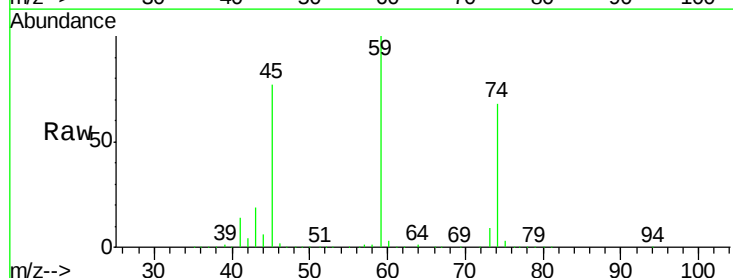
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4/8/2019 9:50:47 AM



#8

Diethyl Ether
Concen: 45.705 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion: 74 Resp: 65146
Ion Ratio Lower Upper
74 100
45 112.8 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.998 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

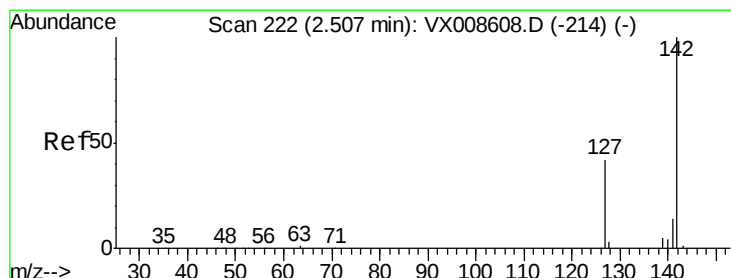
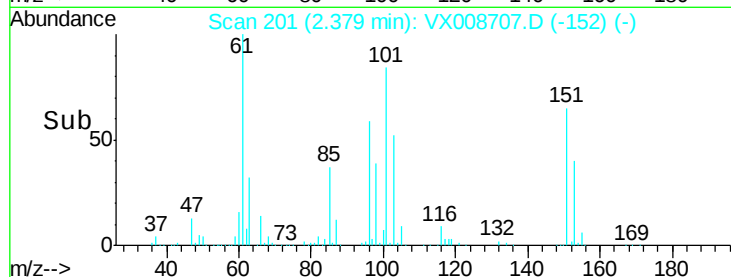
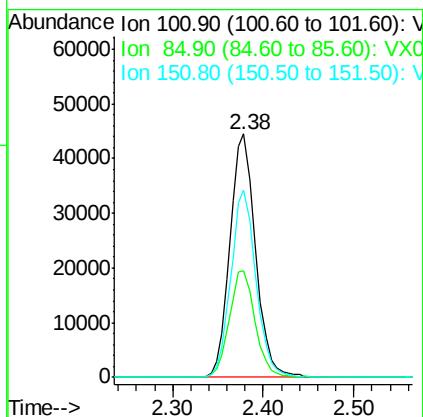
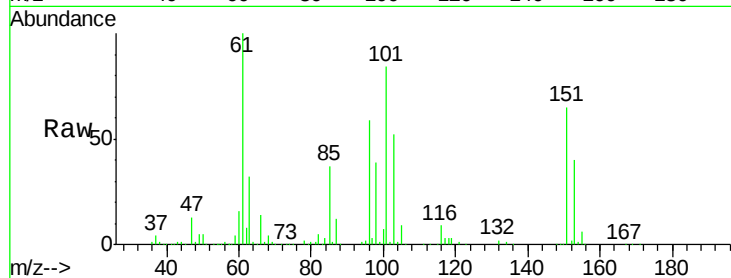
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	87078
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	75.8	59.9	89.9

Manual Integrations
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4/8/2019 9:50:47 AM



#10

Methyl Iodide

Concen: 45.034 ug/l

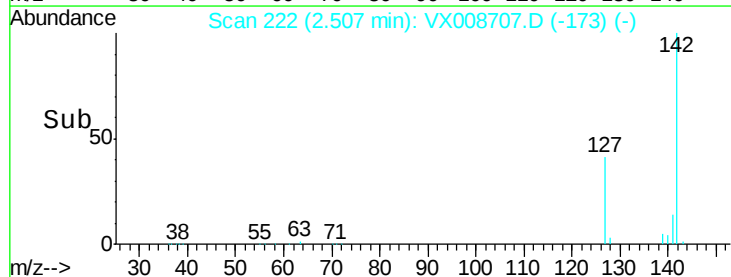
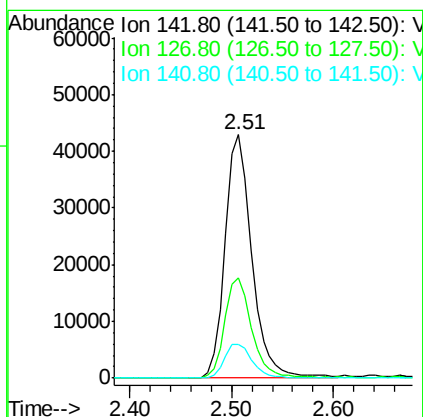
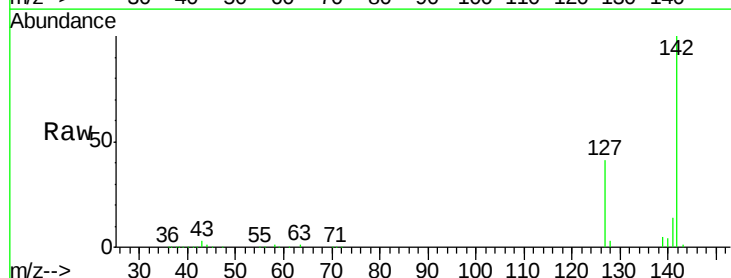
RT: 2.51 min Scan# 222

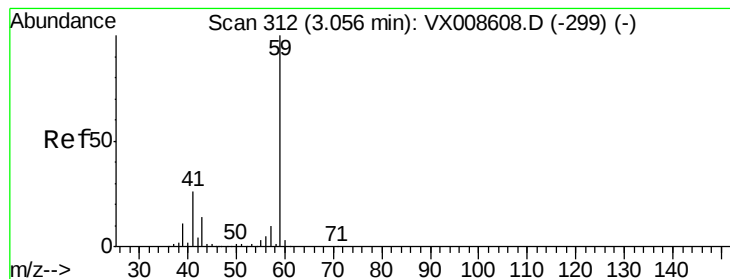
Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	142	Resp:	78609
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.0	49.6
141	14.9	11.4	17.2





#11

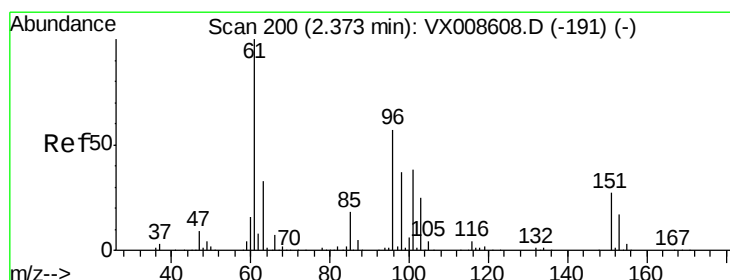
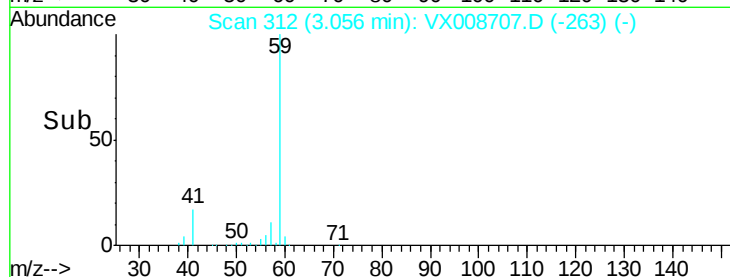
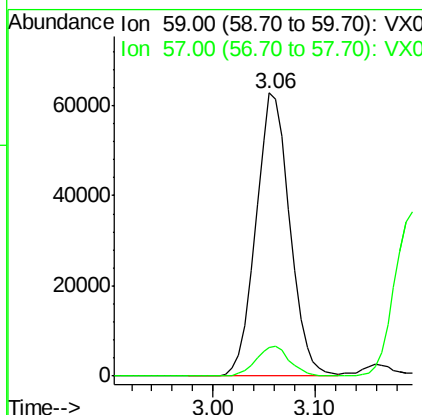
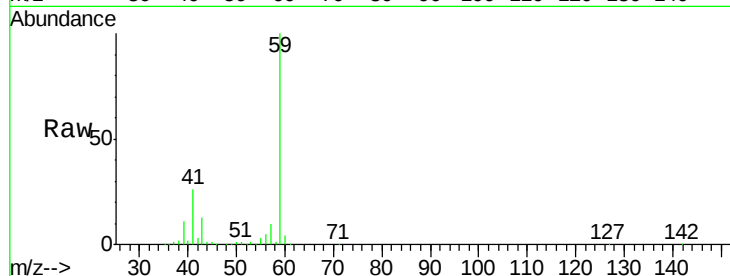
Tert butyl alcohol
 Concen: 242.533 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 59 Resp: 144715
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.3 12.5

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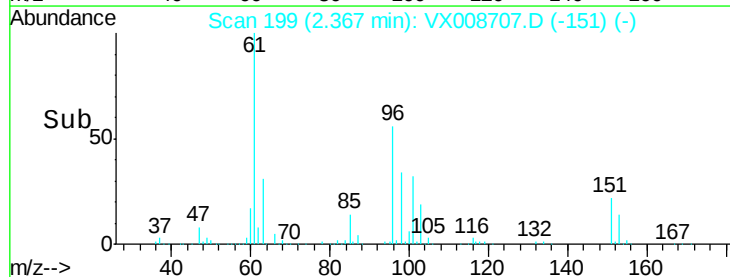
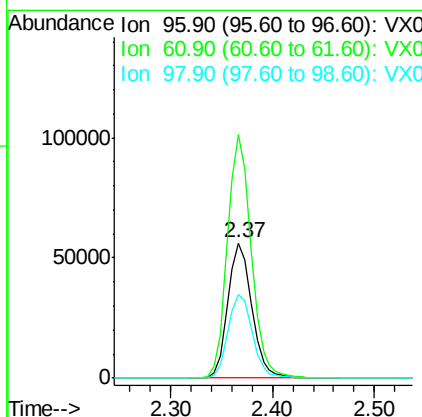
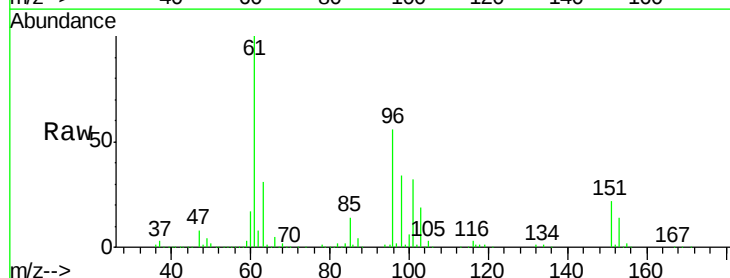
MMDadoda
 4/8/2019 9:50:47 AM

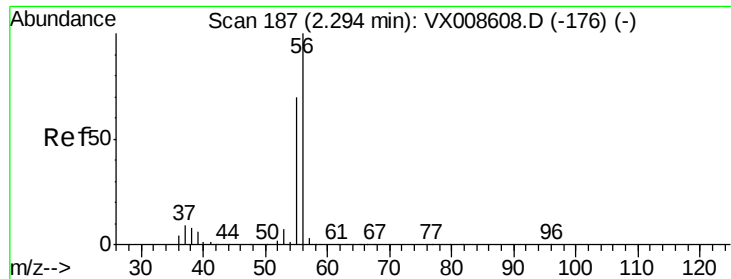


#12

1,1-Dichloroethene
 Concen: 45.082 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion: 96 Resp: 91072
 Ion Ratio Lower Upper
 96 100
 61 179.7 140.9 211.3
 98 61.9 52.1 78.1





#13

Acrolein

Concen: 619.259 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 183218

Ion Ratio Lower Upper

56 100

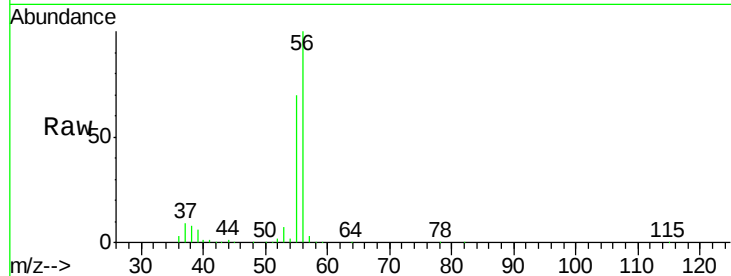
55 70.4 58.0 87.0

Manual Integrations

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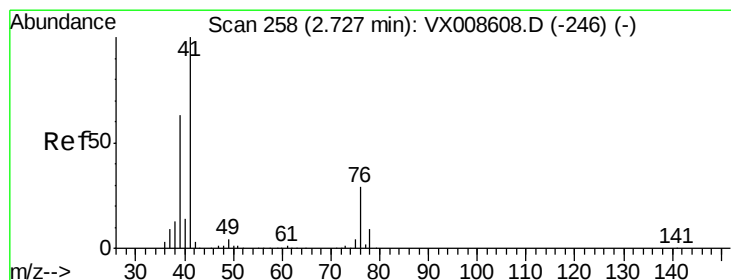
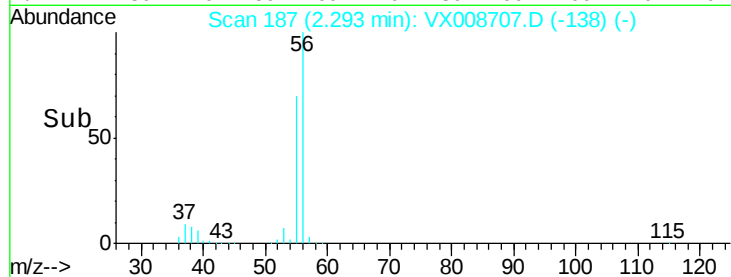
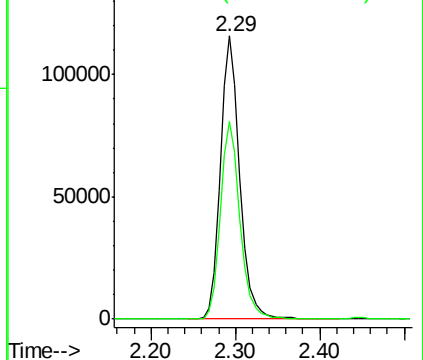
MMDadoda

4/8/2019 9:50:47 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.829 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

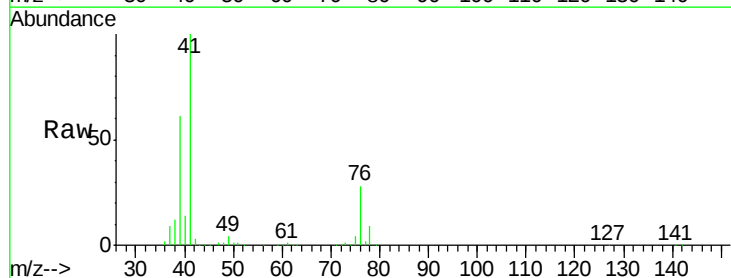
Tgt Ion: 41 Resp: 211942

Ion Ratio Lower Upper

41 100

39 59.1 48.0 72.0

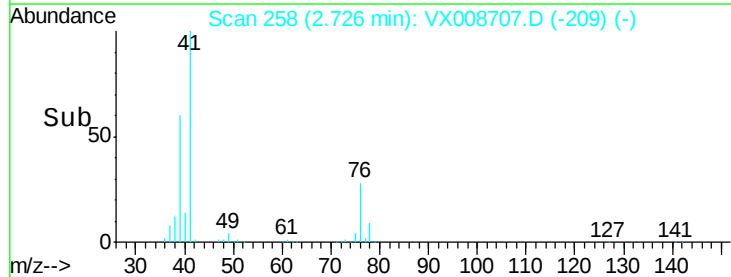
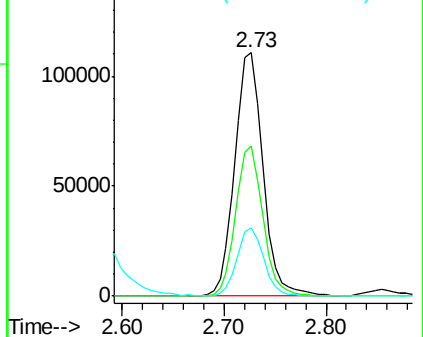
76 26.8 22.0 33.0

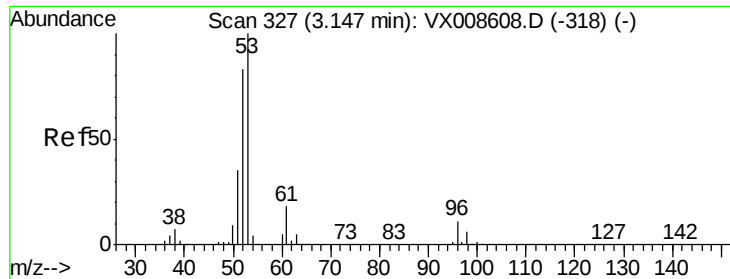


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 234.870 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

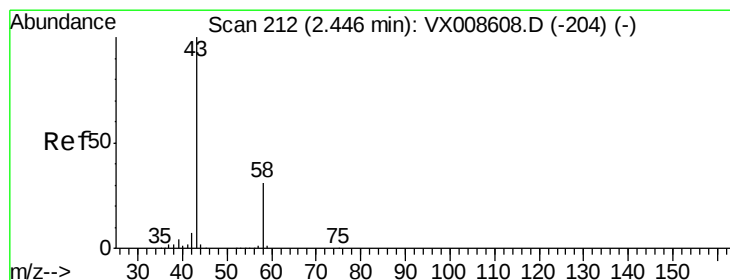
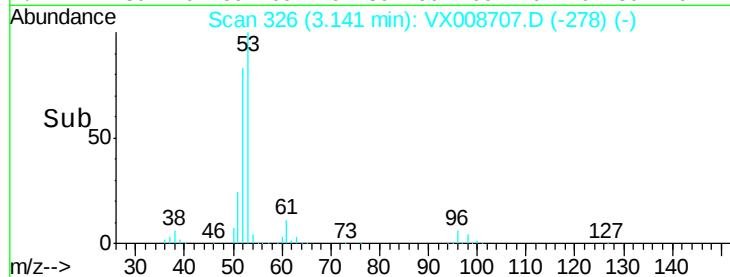
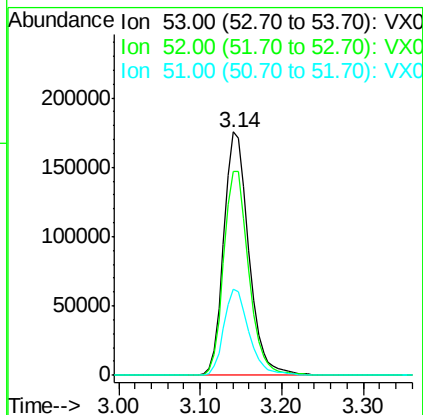
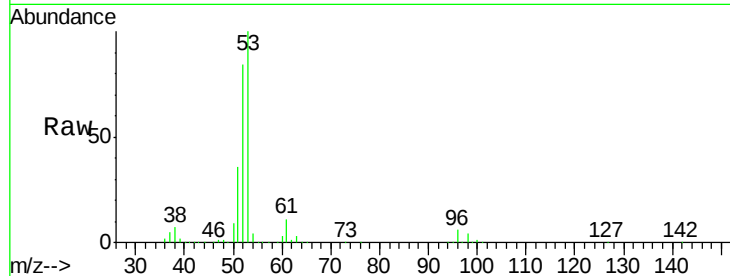
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	371262
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.5	99.7
51	35.8	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 216.901 ug/l

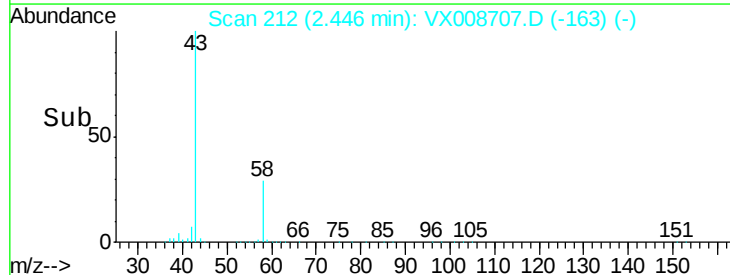
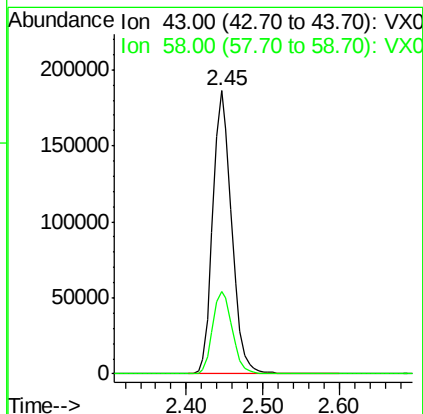
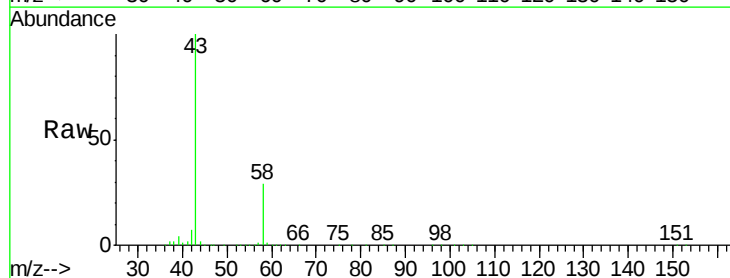
RT: 2.45 min Scan# 212

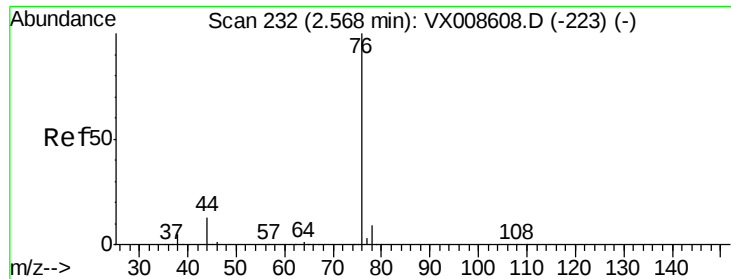
Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	43	Resp:	318406
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.8	37.2





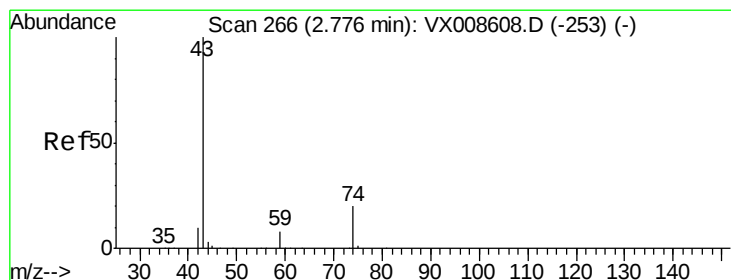
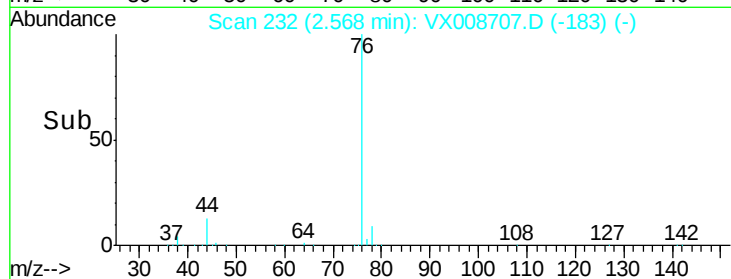
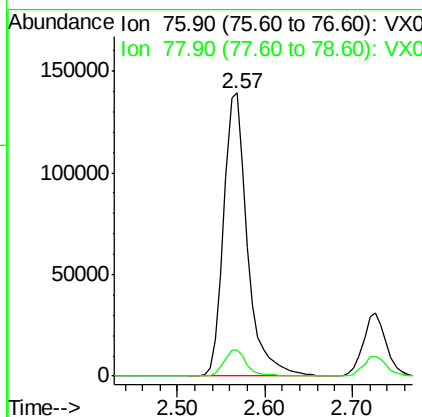
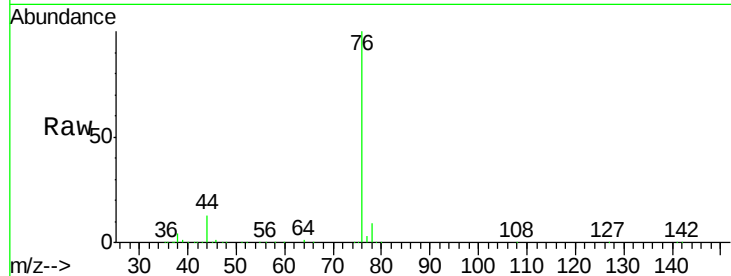
#17
Carbon Disulfide
Concen: 44.854 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 262107
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

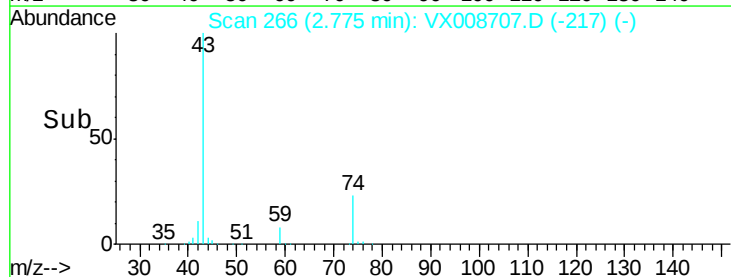
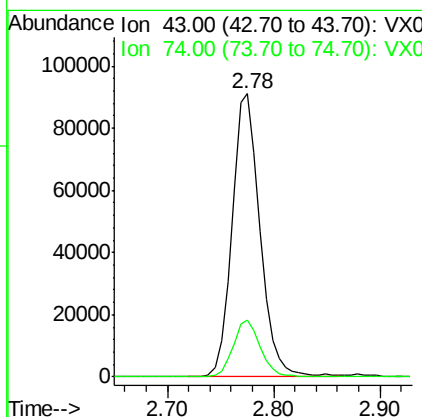
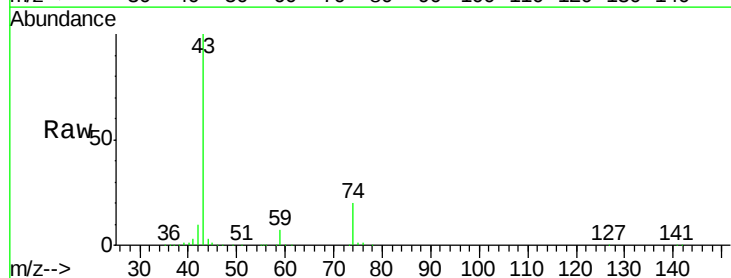
Manual Integrations
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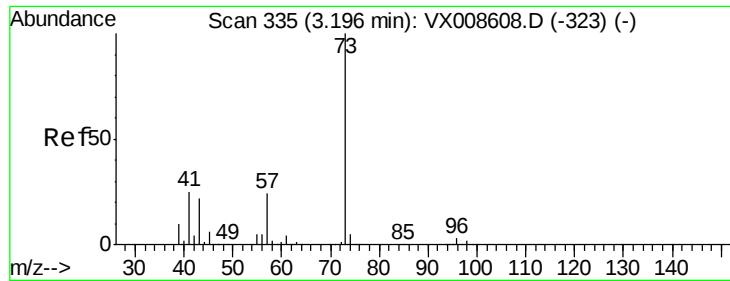
MMDadoda
4/8/2019 9:50:47 AM



#18
Methyl Acetate
Concen: 46.789 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion: 43 Resp: 166581
Ion Ratio Lower Upper
43 100
74 20.1 16.5 24.7





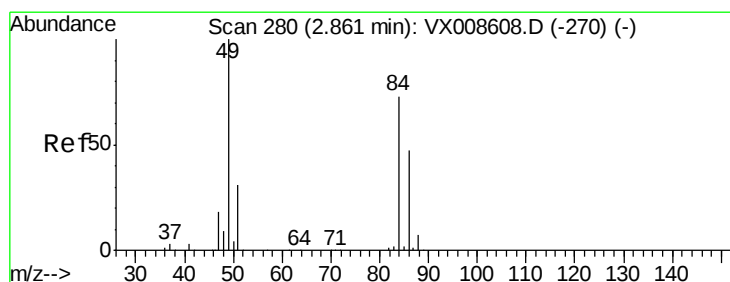
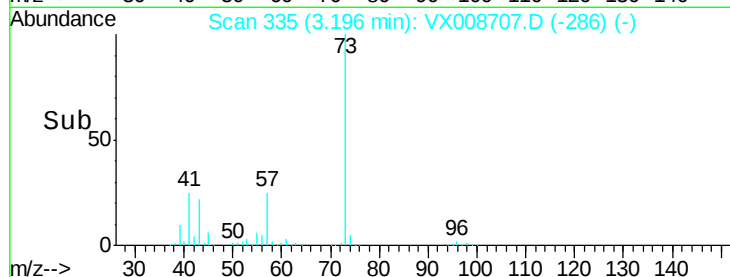
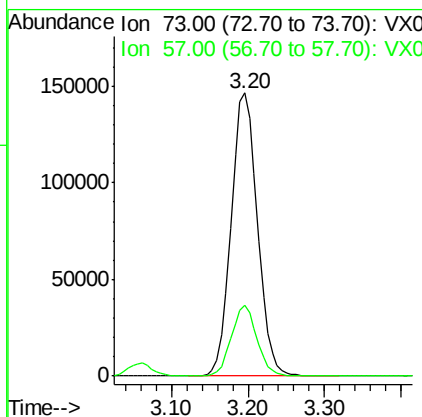
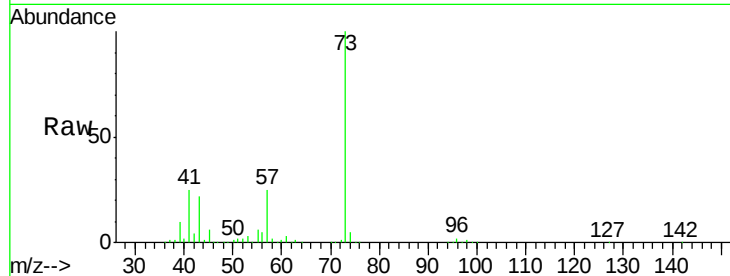
#19
Methyl tert-butyl Ether
Concen: 48.282 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 348327
Ion Ratio Lower Upper
73 100
57 24.8 19.5 29.3

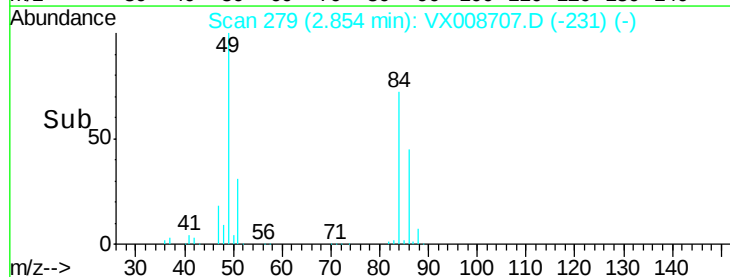
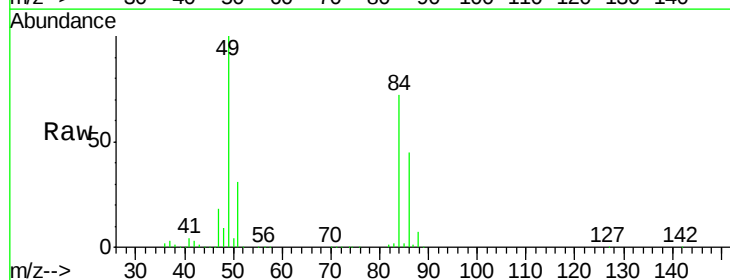
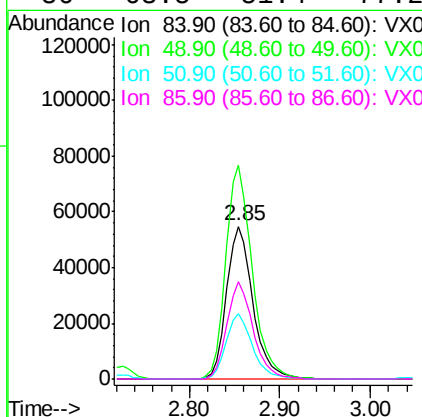
Manual Integrations
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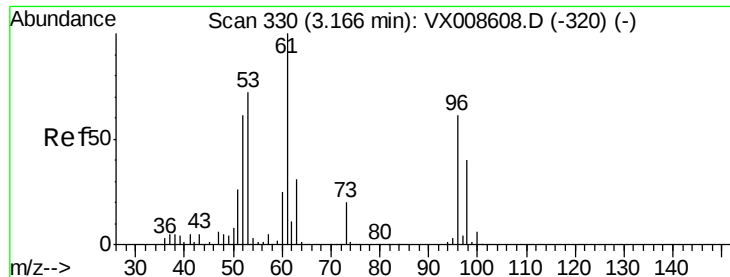
MMDadoda
4/8/2019 9:50:47 AM



#20
Methylene Chloride
Concen: 45.007 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion: 84 Resp: 110593
Ion Ratio Lower Upper
84 100
49 139.7 109.7 164.5
51 43.0 33.6 50.4
86 63.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 43.759 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

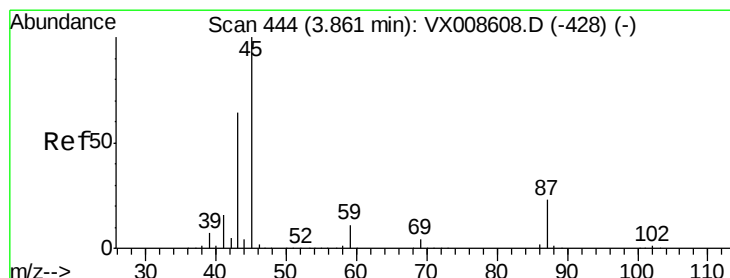
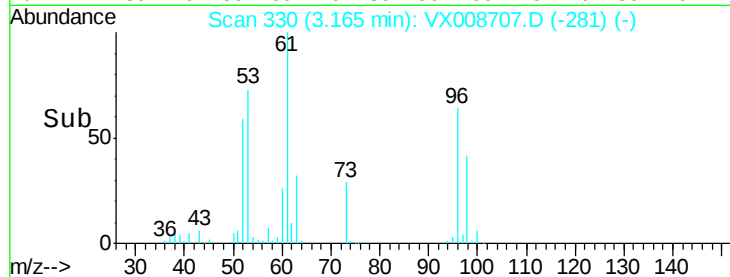
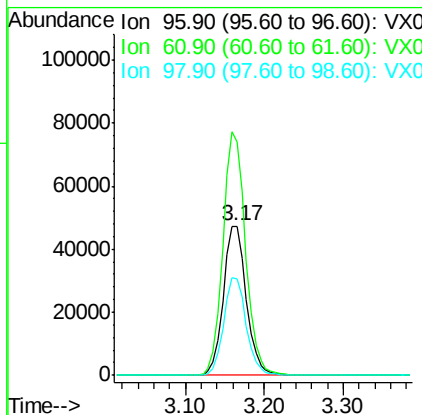
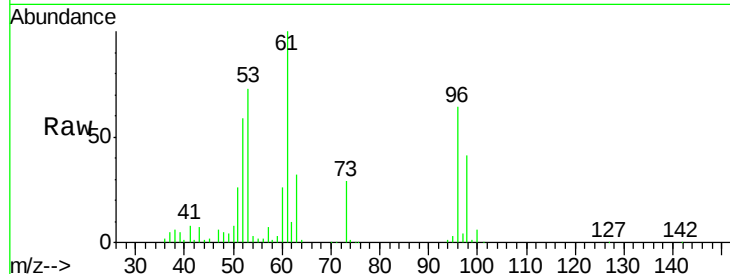
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	95620
Ion	Ratio	Lower	Upper
96	100		
61	156.7	132.1	198.1
98	64.7	52.2	78.2

Manual Integrations
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4/8/2019 9:50:47 AM



#22

Diisopropyl ether

Concen: 47.298 ug/l

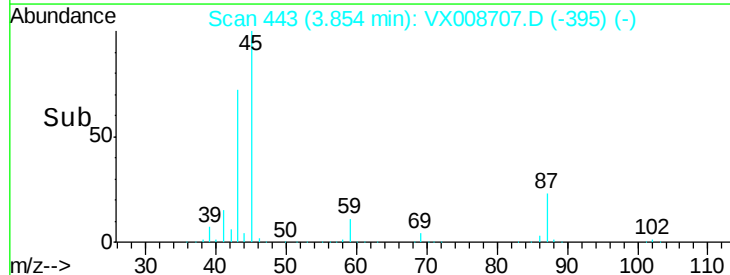
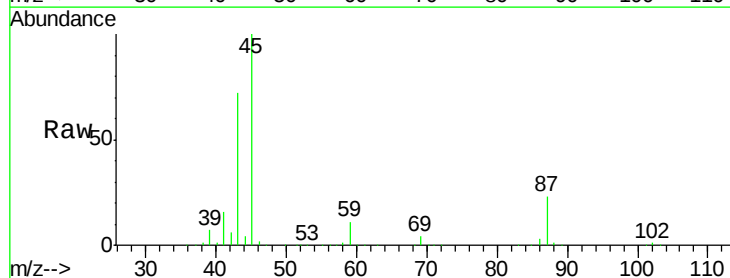
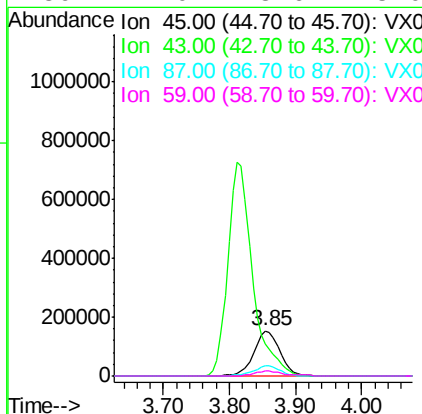
RT: 3.85 min Scan# 443

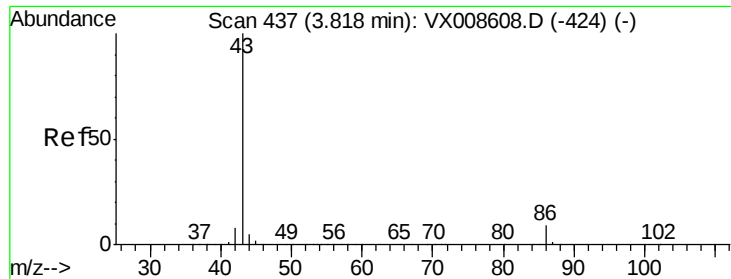
Delta R.T. -0.01 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	45	Resp:	421594
Ion	Ratio	Lower	Upper
45	100		
43	71.7	51.3	76.9
87	22.9	18.1	27.1
59	11.0	8.6	13.0





#23

Vinyl Acetate

Concen: 242.190 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1878002

Ion Ratio Lower Upper

43 100

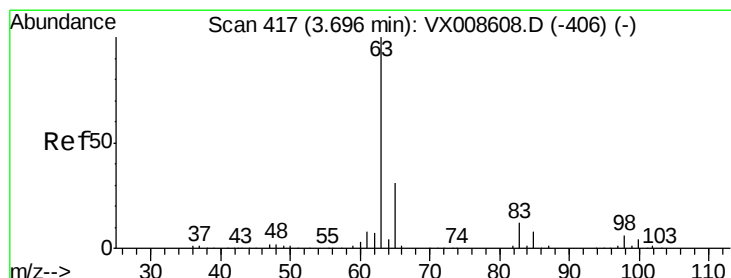
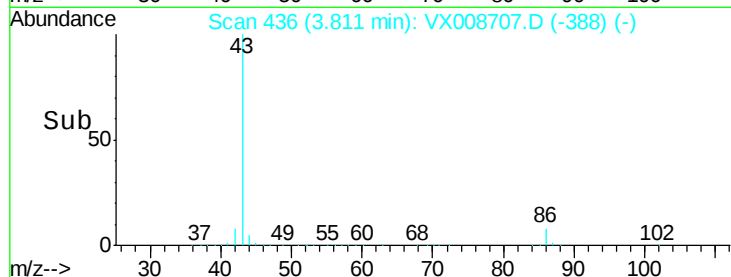
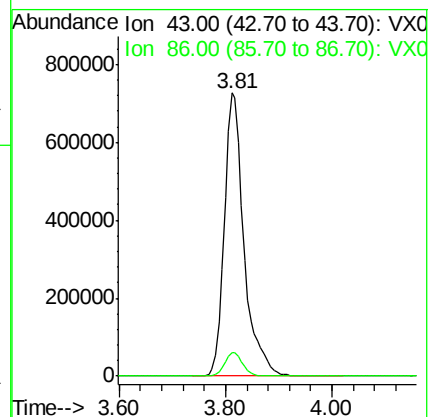
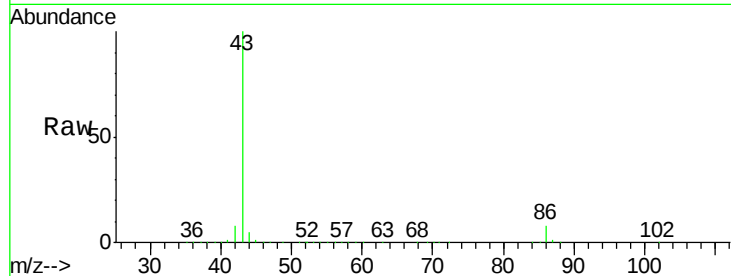
86 8.4 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

4/8/2019 9:50:47 AM



#24

1,1-Dichloroethane

Concen: 46.405 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

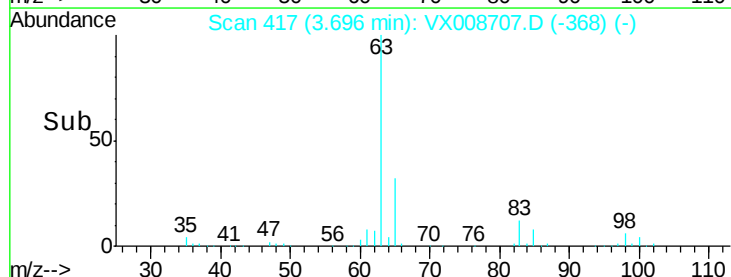
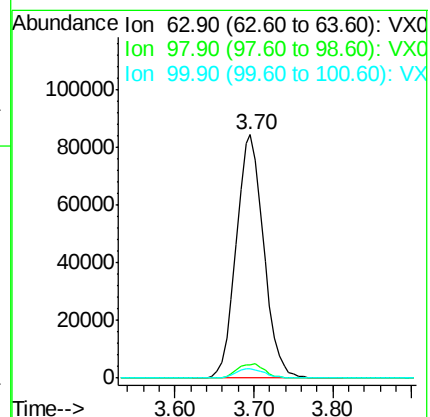
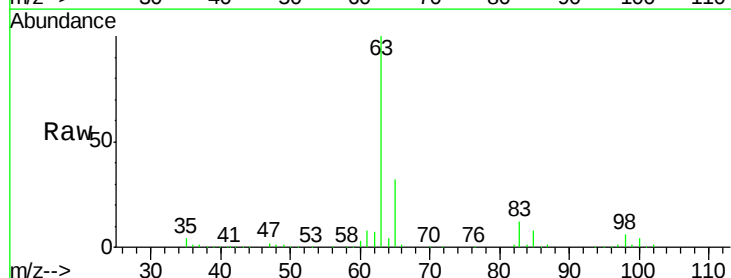
Tgt Ion: 63 Resp: 204797

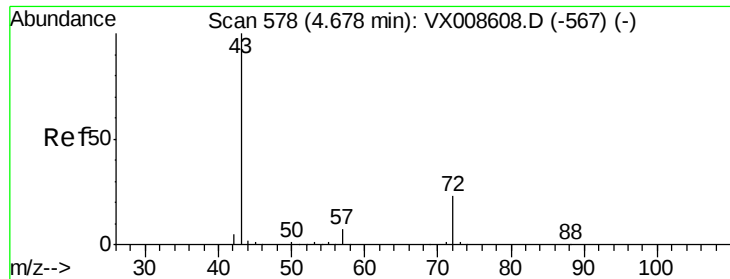
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 237.983 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 552163

Ion Ratio Lower Upper

43 100

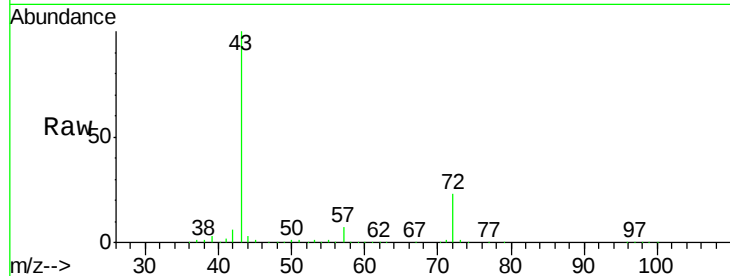
72 22.6 18.2 27.4

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

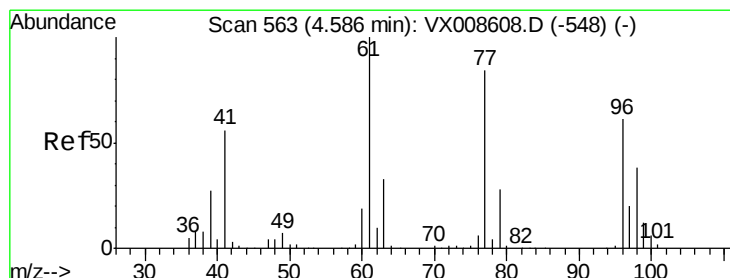
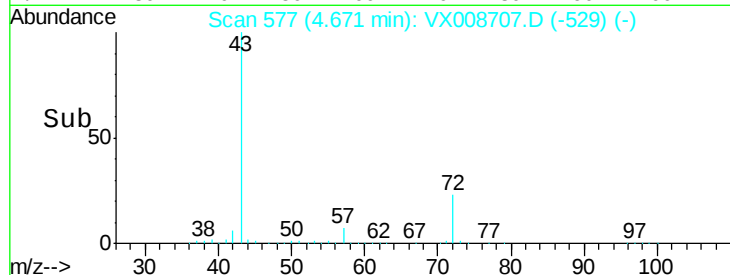
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 40.220 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008707.D

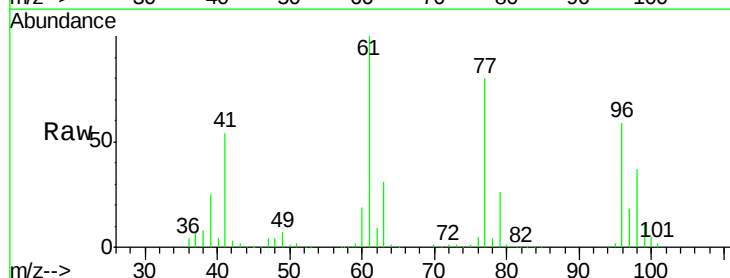
Acq: 06 Apr 2019 01:09

Tgt Ion: 77 Resp: 125017

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

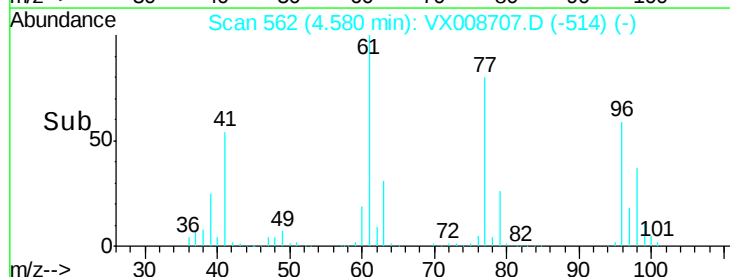
20000

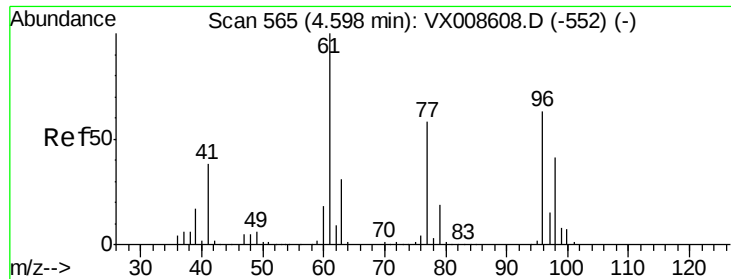
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

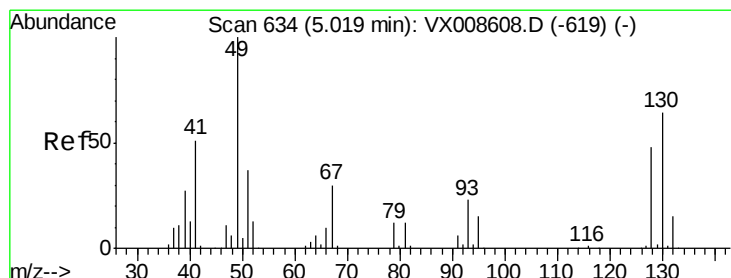
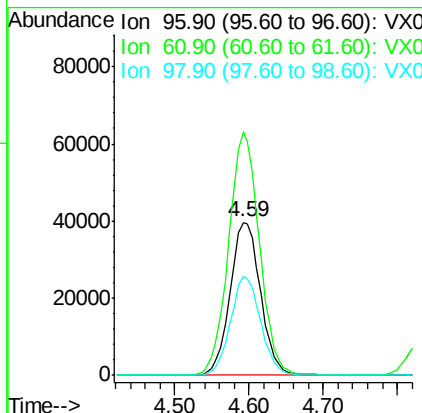
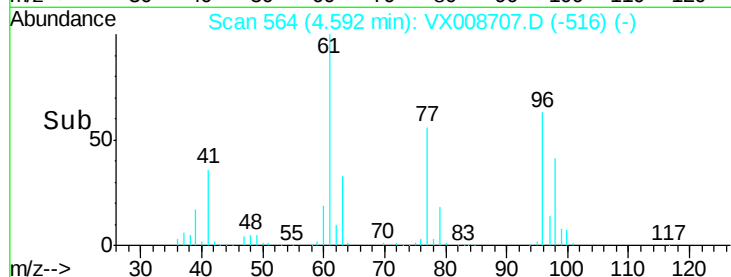
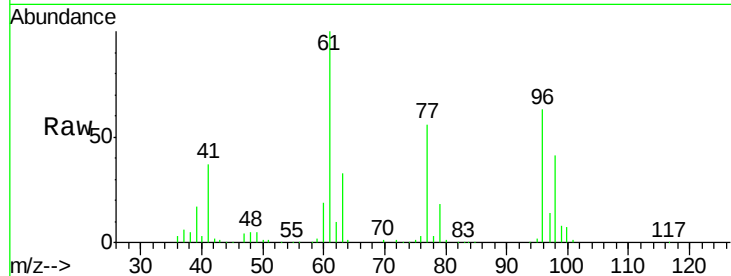
cis-1,2-Dichloroethene
Concen: 45.193 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	327.6
98	64.1	0.0	128.6

Manual Integrations
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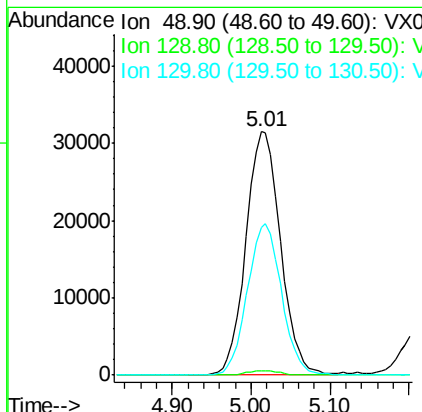
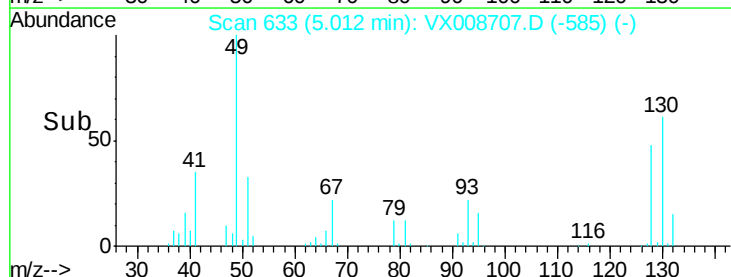
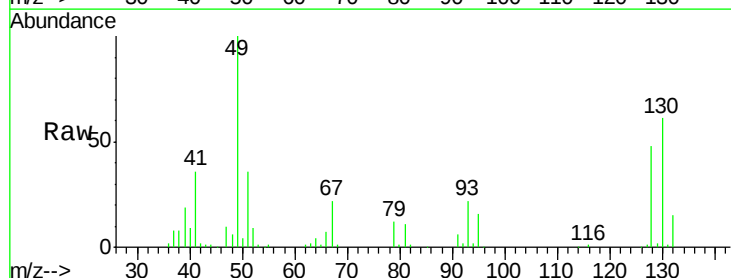
MMDadoda
4/8/2019 9:50:47 AM

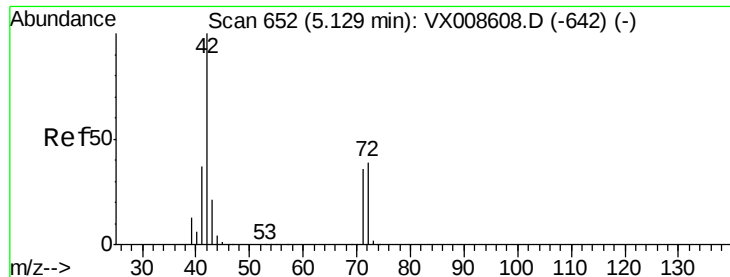


#28

Bromochloromethane
Concen: 52.366 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	61.4	49.3	73.9





#29

Tetrahydrofuran

Concen: 238.254 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

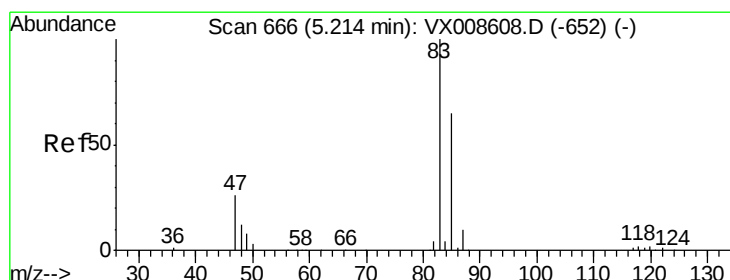
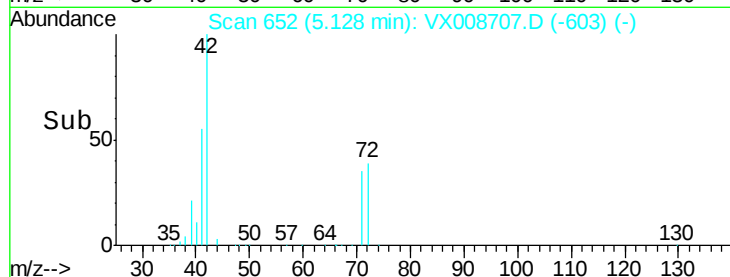
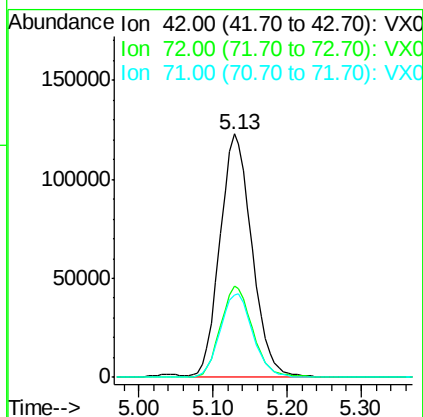
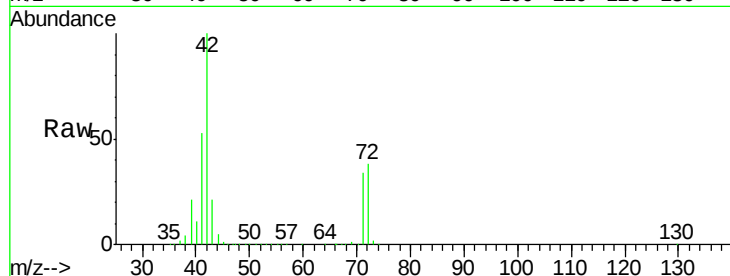
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	42	Resp:	366900
Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.5	45.7
71	35.2	28.6	43.0

Manual Integrations
APPROVED

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4/8/2019 9:50:47 AM



#30

Chloroform

Concen: 46.792 ug/l

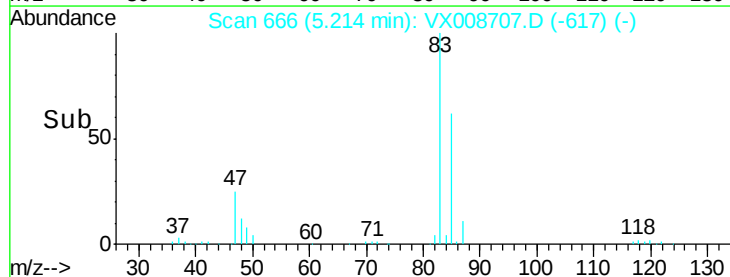
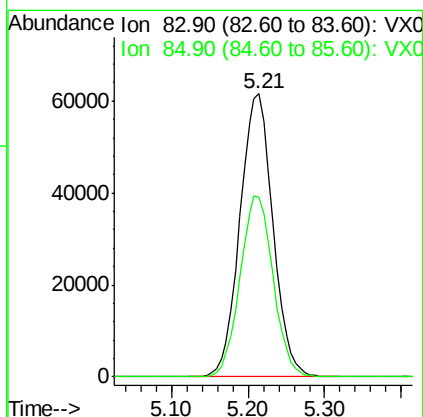
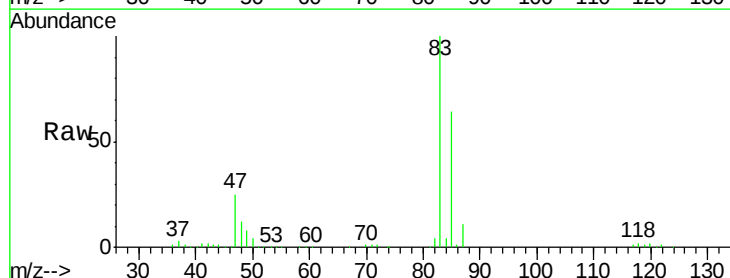
RT: 5.21 min Scan# 666

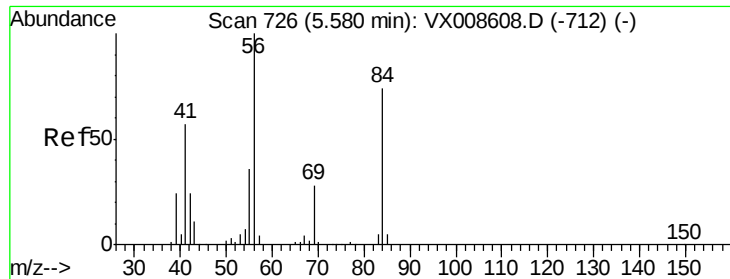
Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	83	Resp:	184443
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.1	78.1





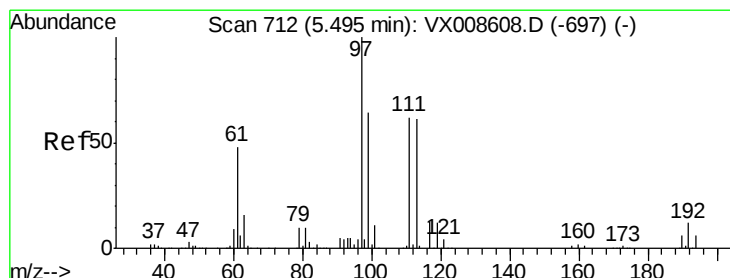
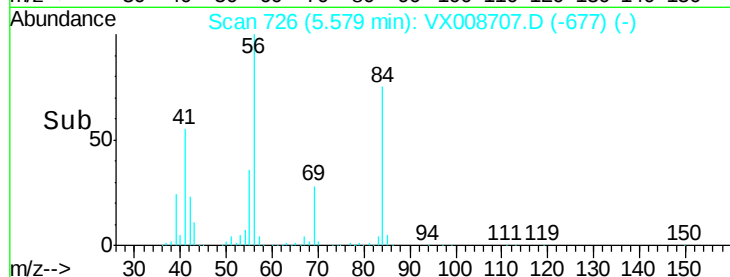
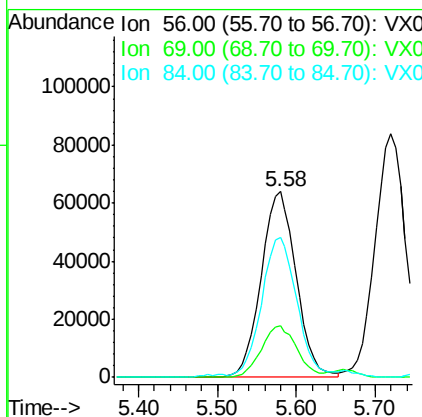
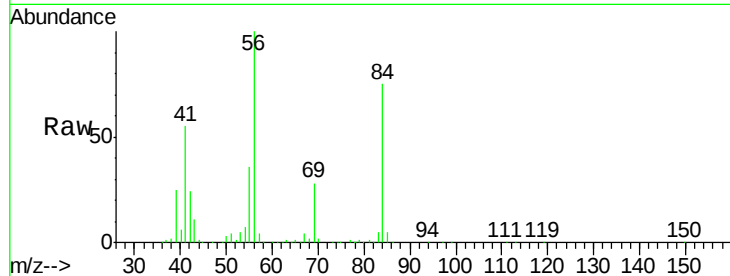
#31
Cyclohexane
Concen: 44.795 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.7	22.6	33.8
84	74.9	59.3	88.9

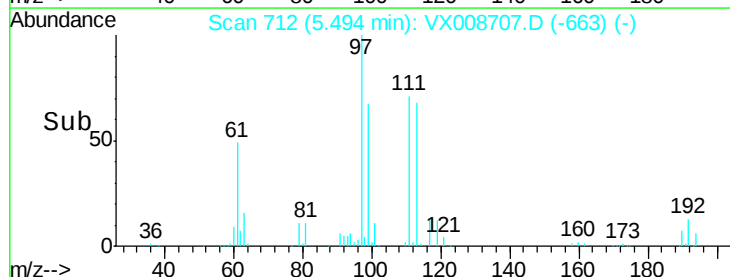
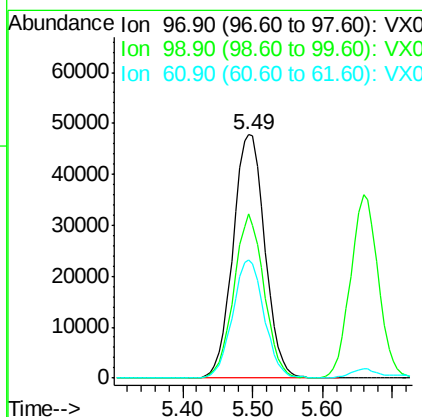
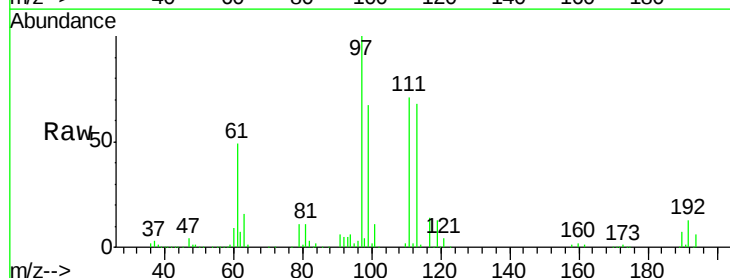
Manual Integrations
APPROVED

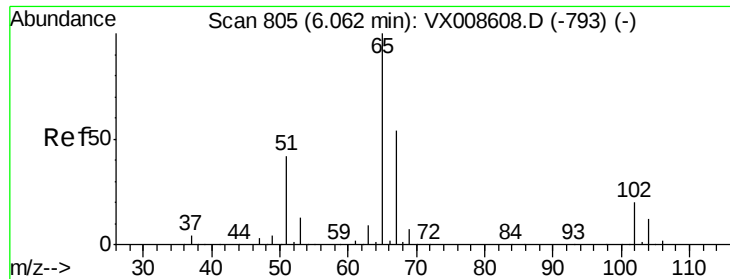
MMDadoda
4/8/2019 9:50:47 AM



#32
1,1,1-Trichloroethane
Concen: 47.394 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	48.1	38.9	58.3





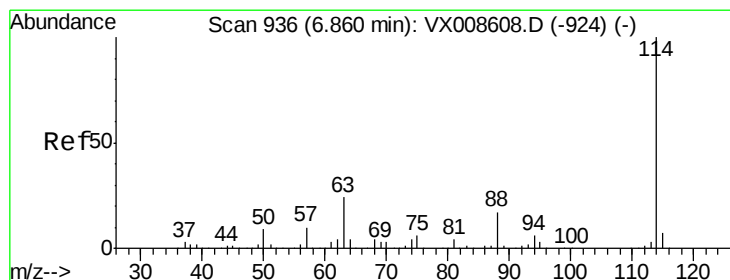
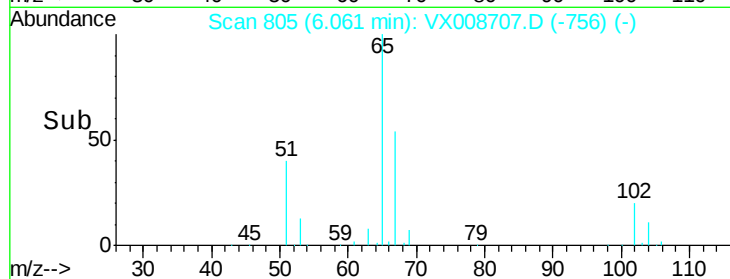
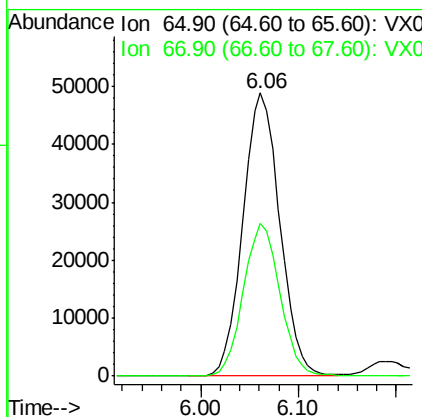
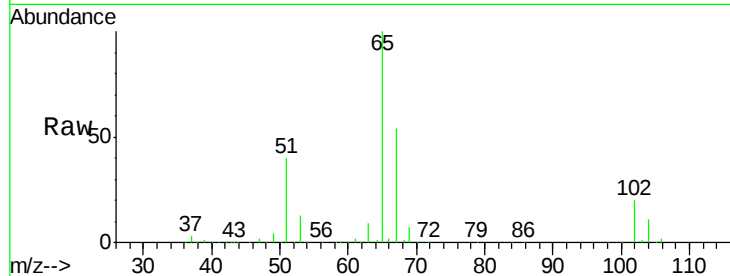
#33
 1,2-Dichloroethane-d4
 Concen: 50.199 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	107.2

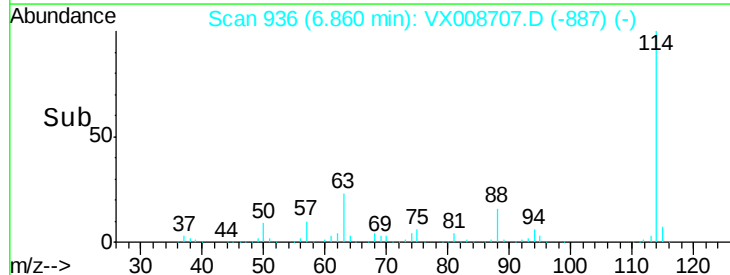
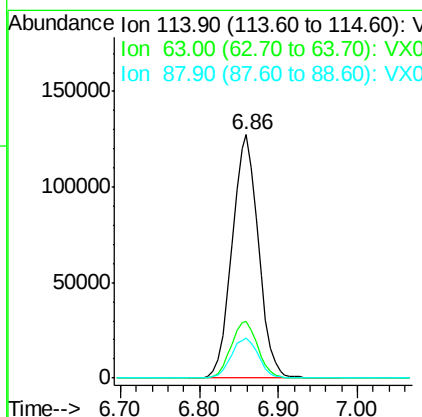
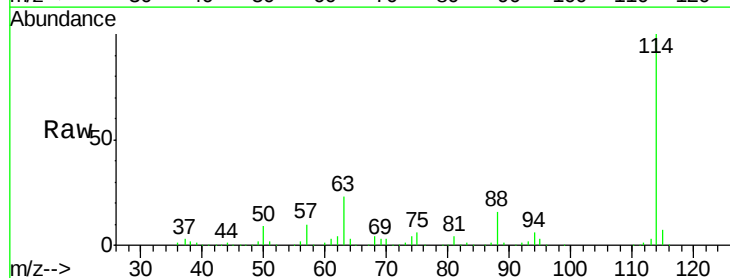
Manual Integrations
 APPROVED

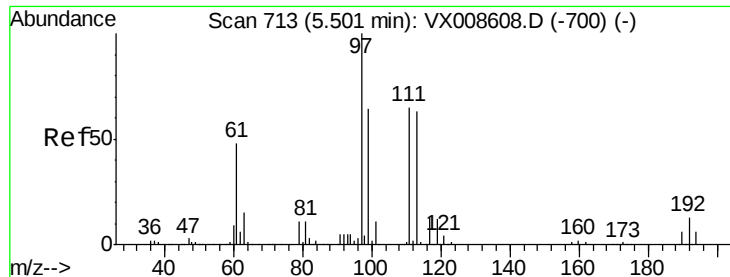
MMDadoda
 4/8/2019 9:50:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	47.2
88	16.4	0.0	34.0





#35

Dibromofluoromethane

Concen: 50.263 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

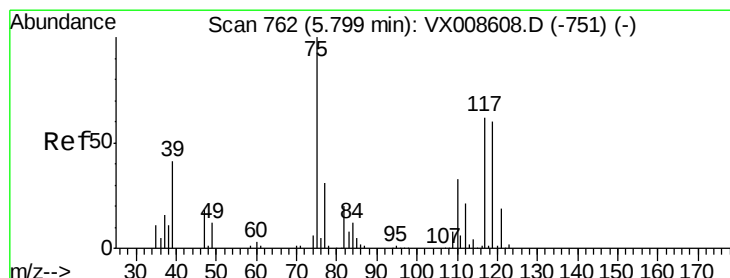
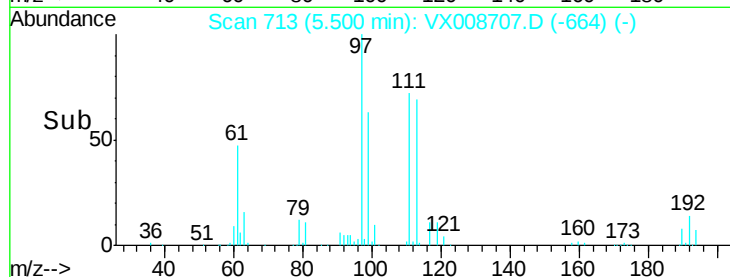
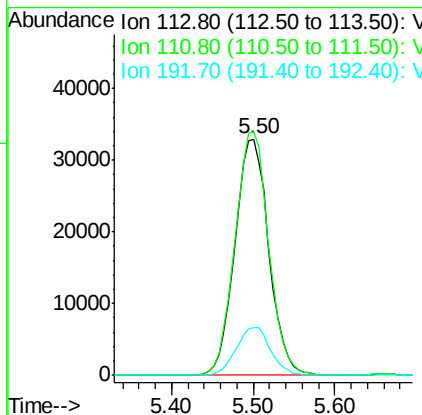
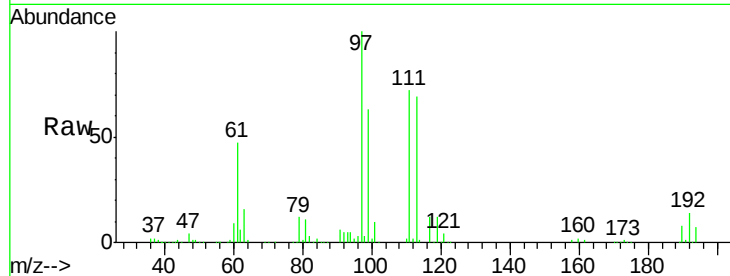
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	94896
Ion Ratio	Lower	Upper	
113	100		
111	102.8	83.4	125.2
192	20.6	16.1	24.1

Manual Integrations
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4/8/2019 9:50:47 AM



#36

1,1-Dichloropropene

Concen: 44.141 ug/l

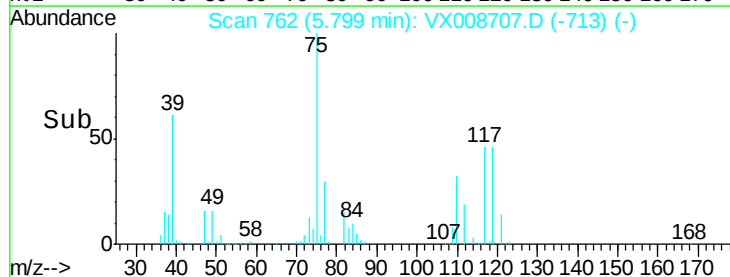
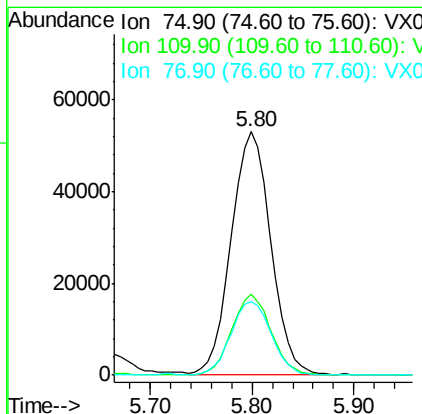
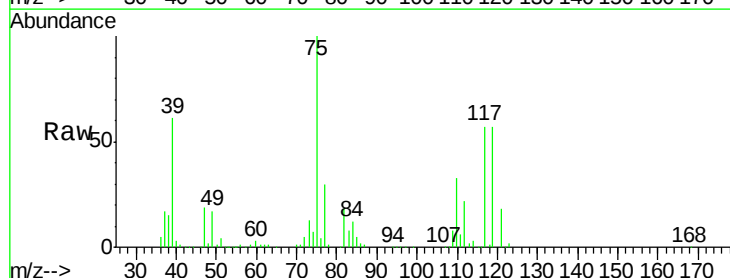
RT: 5.80 min Scan# 762

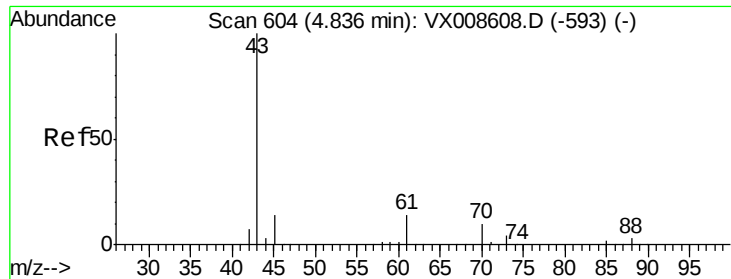
Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	75	Resp:	142479
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.4	49.2
77	31.0	24.7	37.1





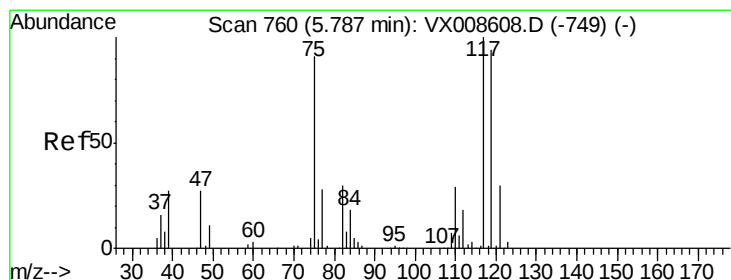
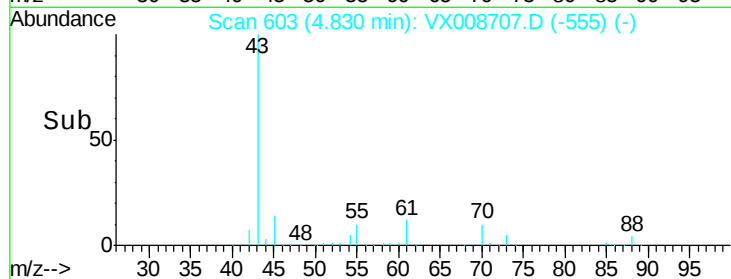
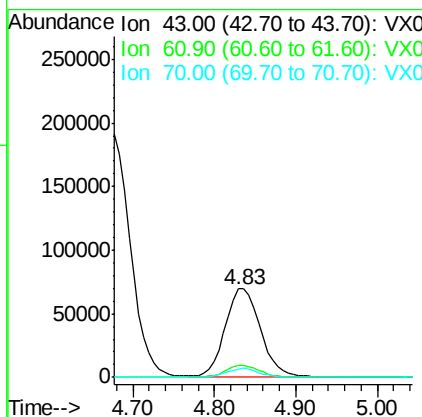
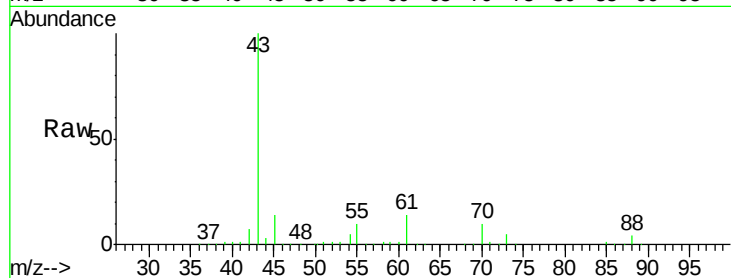
#37
Ethyl Acetate
Concen: 48.119 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.6	7.6	11.4

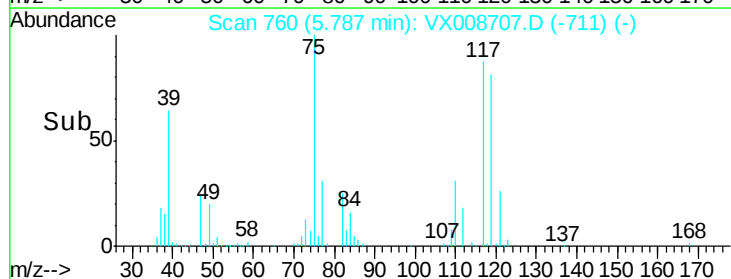
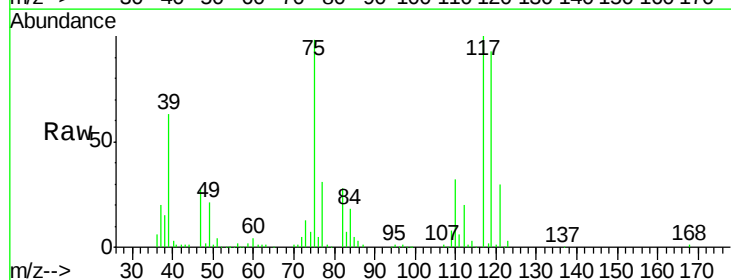
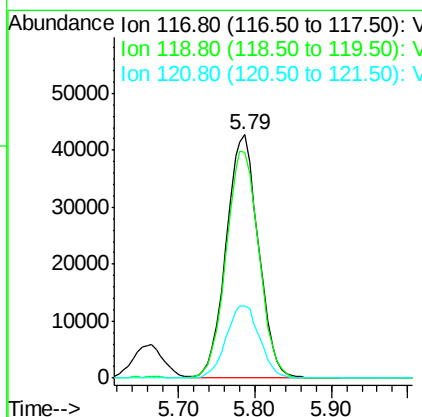
Manual Integrations
APPROVED

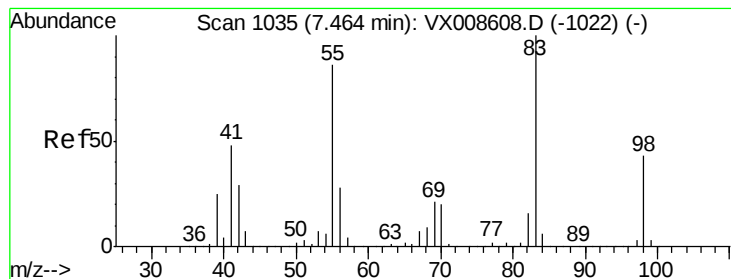
MMDadoda
4/8/2019 9:50:47 AM



#38
Carbon Tetrachloride
Concen: 46.590 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.0	112.6
121	29.7	24.3	36.5





#39

Methylcyclohexane

Concen: 43.313 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

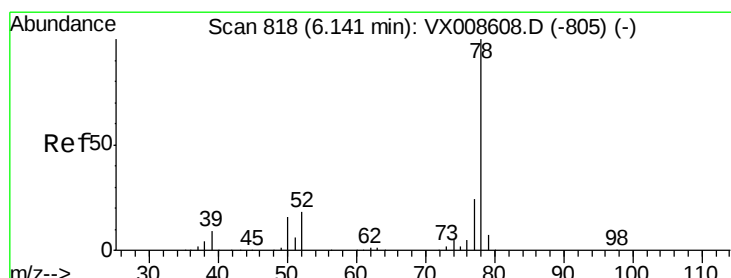
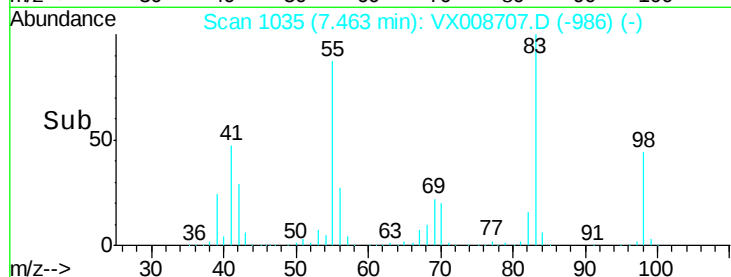
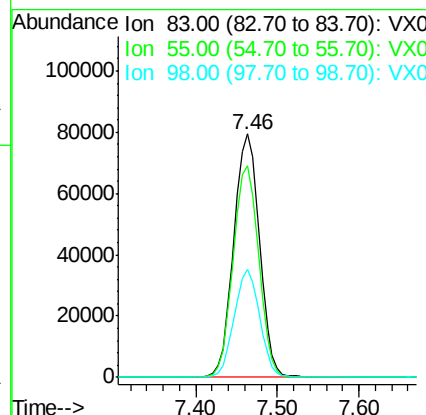
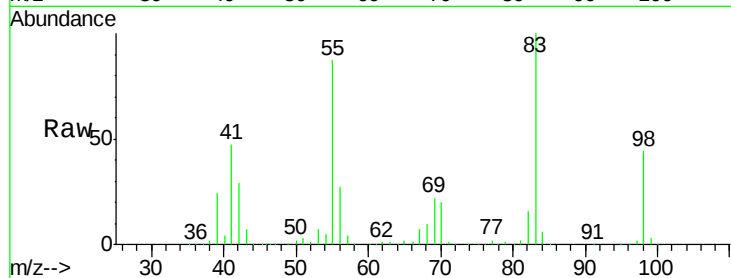
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	172706
Ion	Ratio	Lower	Upper
83	100		
55	86.9	69.0	103.6
98	44.1	34.4	51.6

Manual Integrations
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4/8/2019 9:50:47 AM



#40

Benzene

Concen: 46.064 ug/l

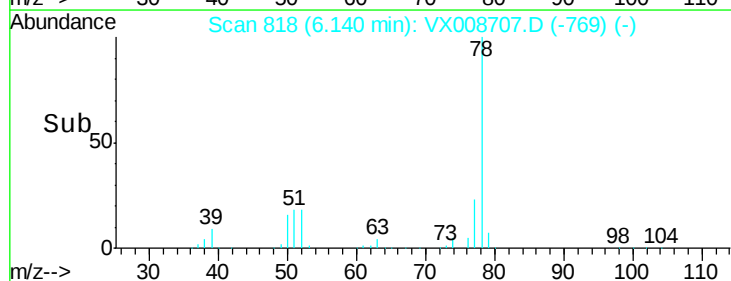
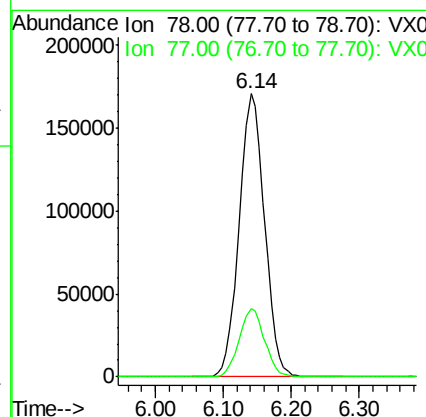
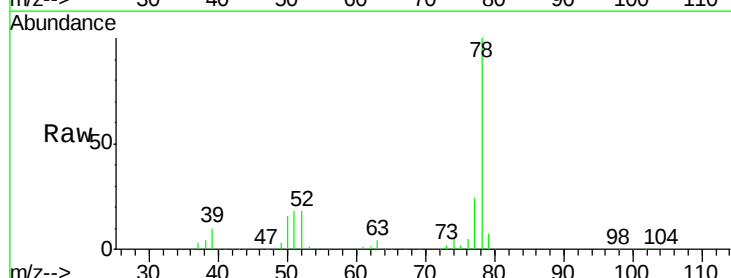
RT: 6.14 min Scan# 818

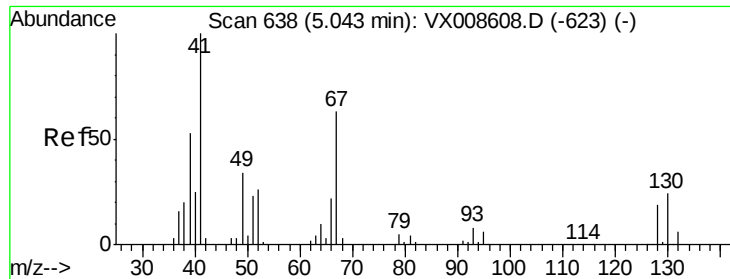
Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	78	Resp:	442953
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





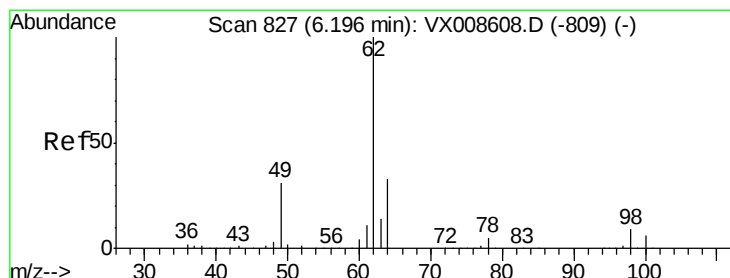
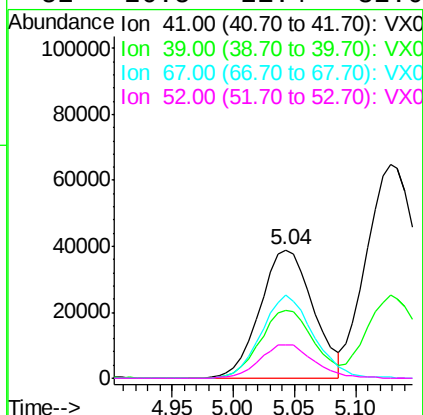
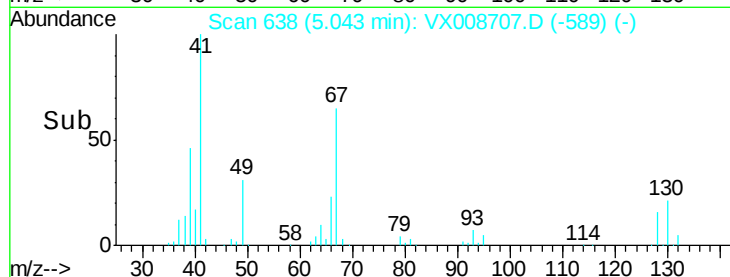
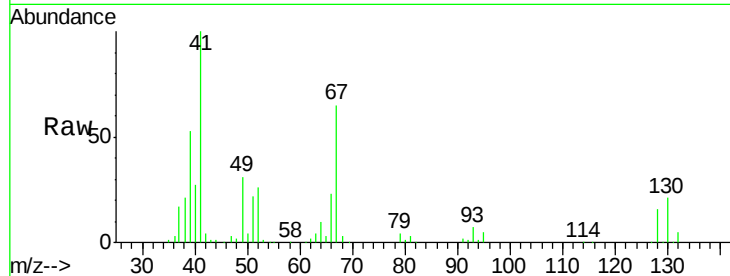
#41
Methacrylonitrile
Concen: 47.298 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.1	63.1	
67	63.9	51.0	76.6	
52	26.5	21.4	32.0	

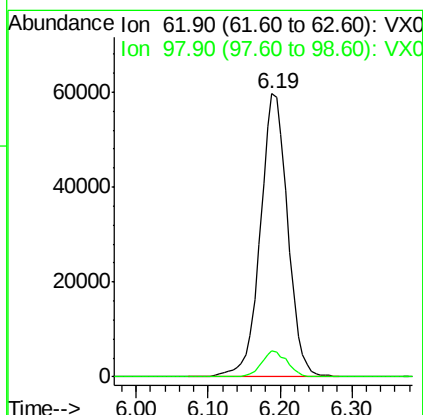
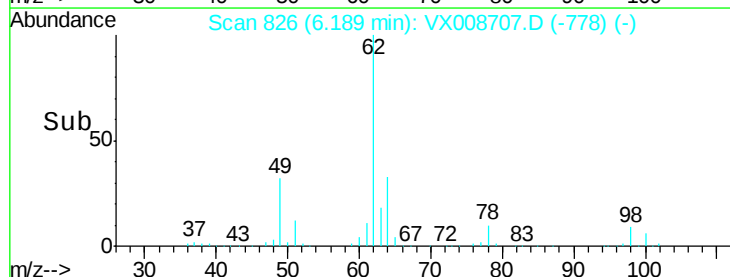
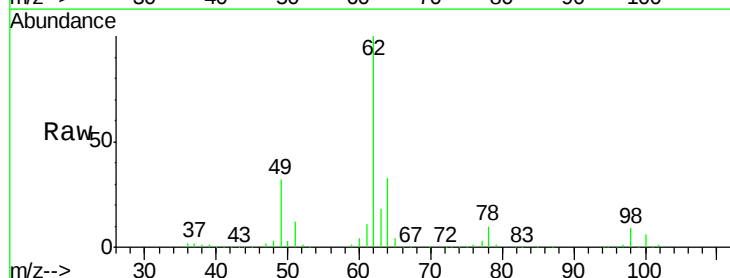
Manual Integrations
APPROVED

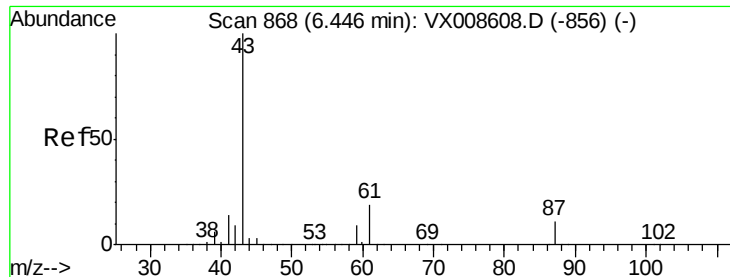
MMDadoda
4/8/2019 9:50:47 AM



#42
1,2-Dichloroethane
Concen: 45.760 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	18.0	





#43

Isopropyl Acetate

Concen: 49.435 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

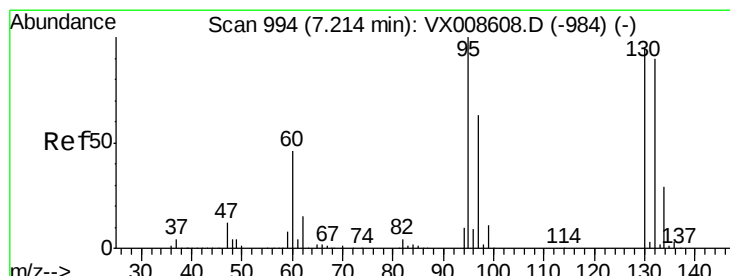
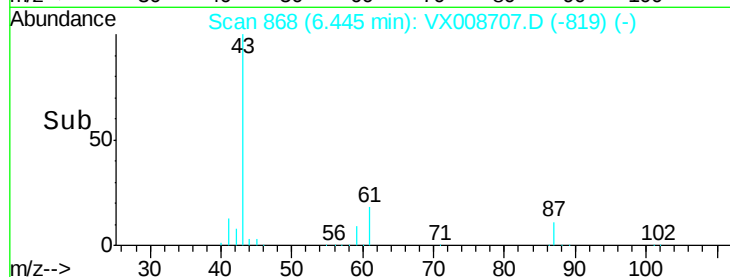
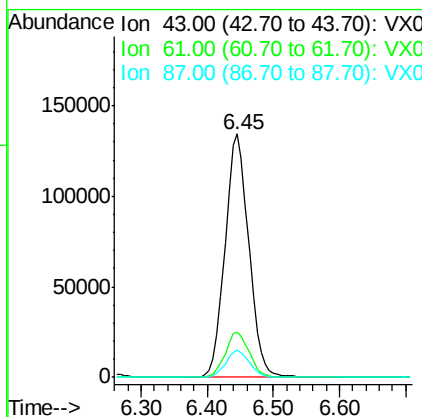
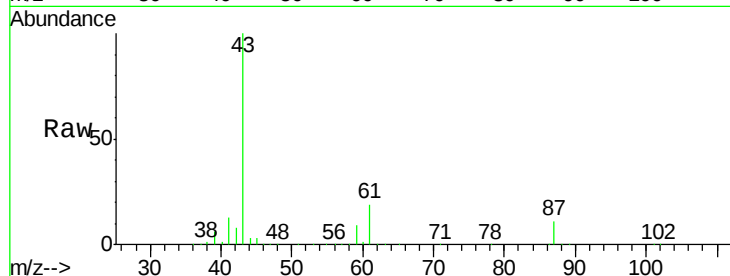
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	333647
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.3	22.9
87	11.1	9.0	13.6

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MMDadoda
4/8/2019 9:50:47 AM



#44

Trichloroethene

Concen: 45.375 ug/l

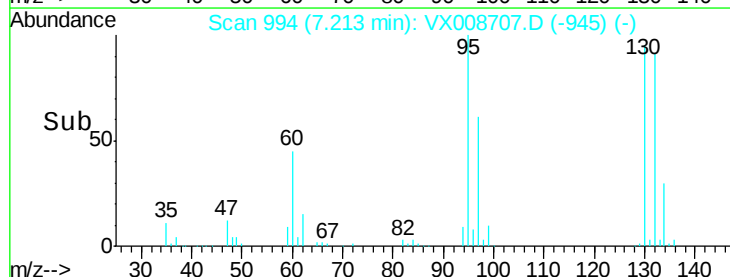
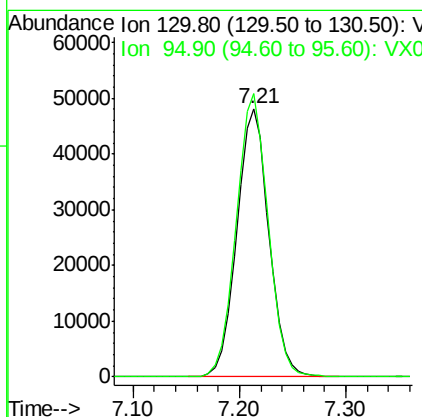
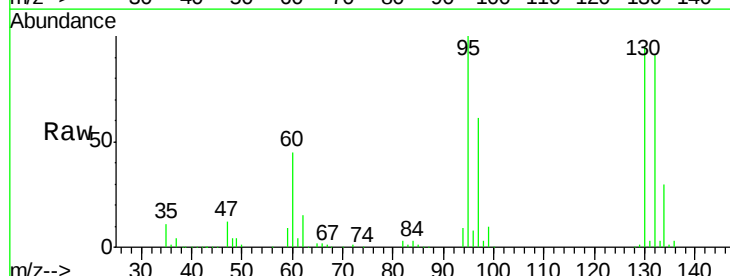
RT: 7.21 min Scan# 994

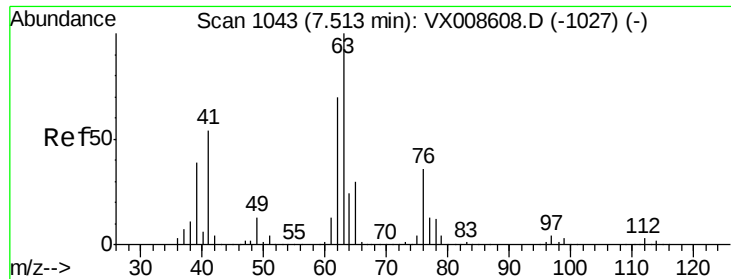
Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	130	Resp:	101624
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	209.8





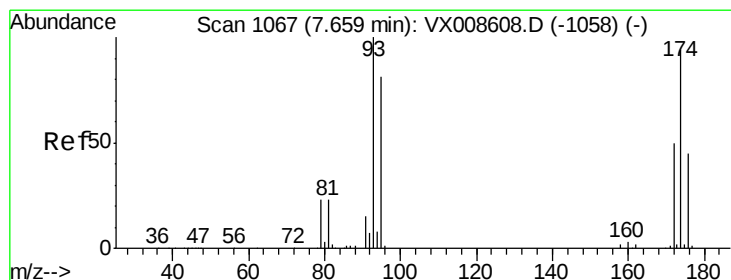
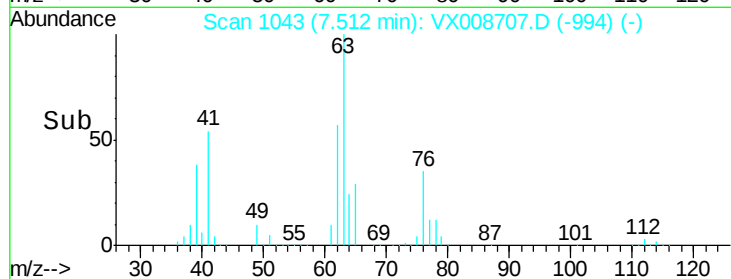
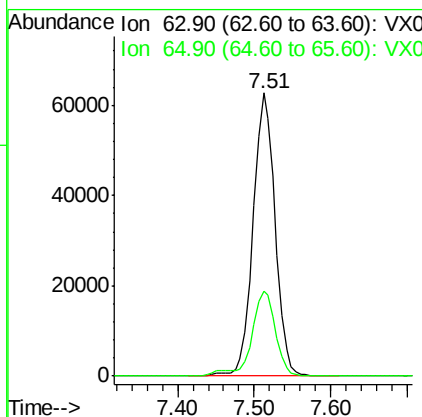
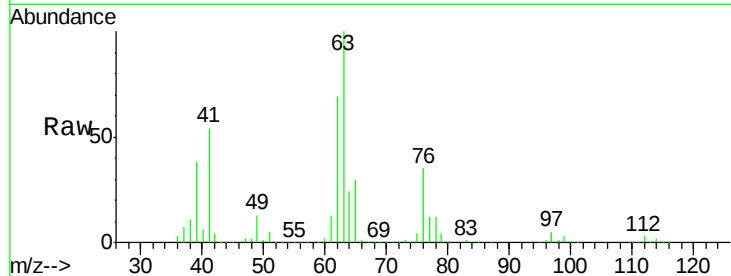
#45
 1,2-Dichloropropane
 Concen: 46.013 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 126290
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.2 36.4

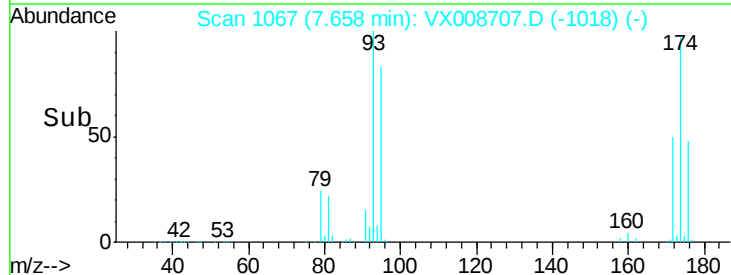
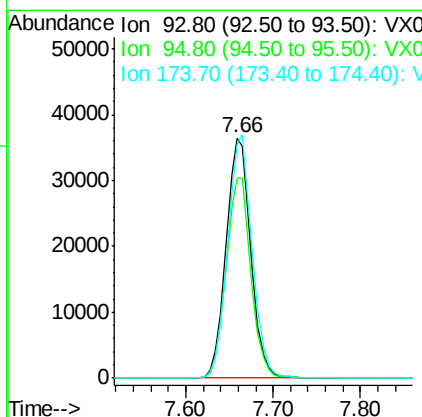
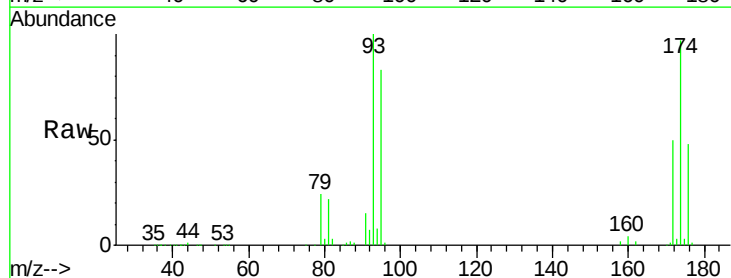
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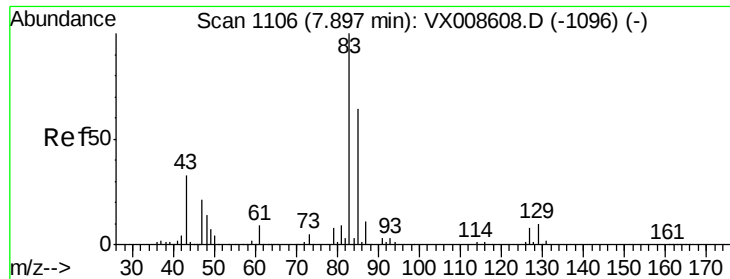
MMDadoda
 4/8/2019 9:50:47 AM



#46
 Dibromomethane
 Concen: 44.770 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion: 93 Resp: 71267
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 99.8
 174 100.0 77.7 116.5





#47

Bromodichloromethane

Concen: 47.726 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

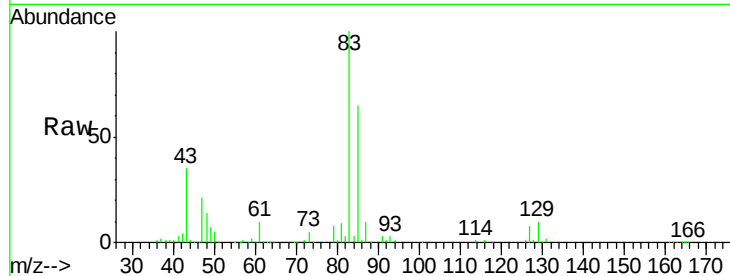
ClientSampleId :

VSTDCCC050EC

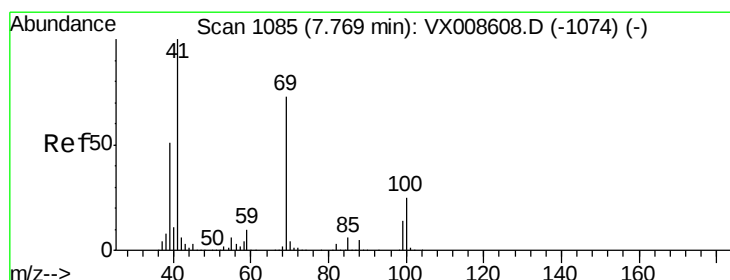
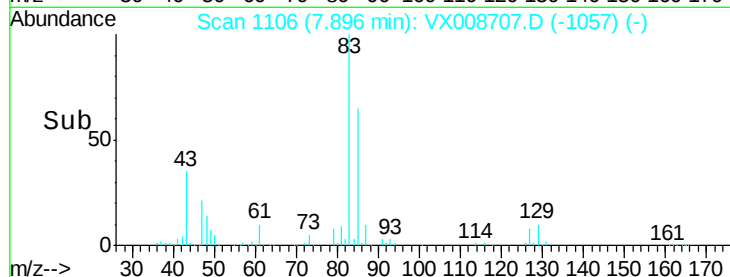
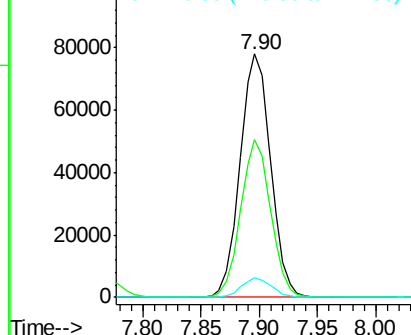
Tgt Ion:	83	Resp:	143246
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.2	76.8
127	8.1	6.6	10.0

Manual Integrations
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MMDadoda
4/8/2019 9:50:47 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.028 ug/l

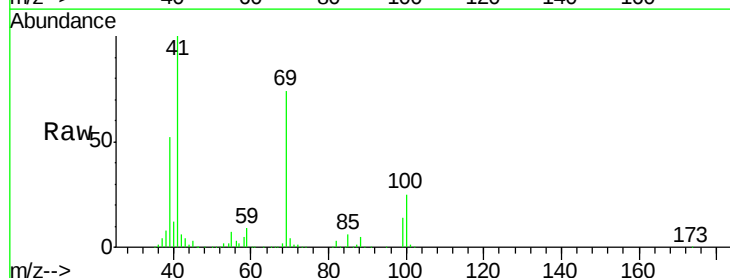
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

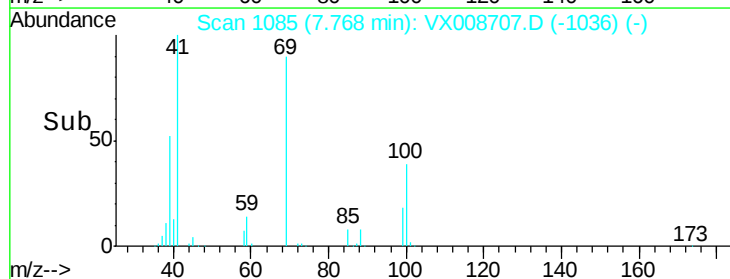
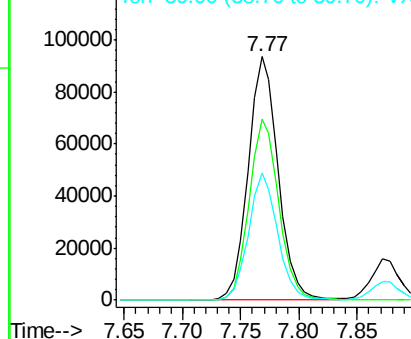
Lab File: VX008707.D

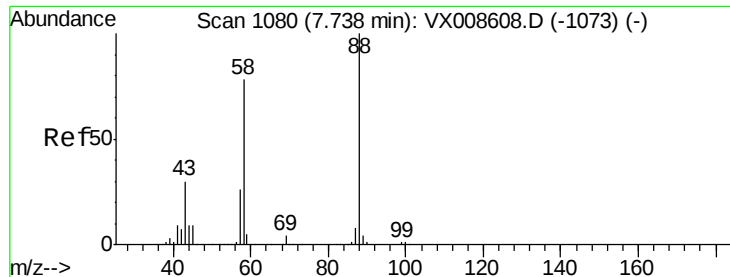
Acq: 06 Apr 2019 01:09

Tgt Ion:	41	Resp:	167388
Ion Ratio	Lower	Upper	
41	100		
69	74.2	59.0	88.4
39	50.8	41.0	61.4



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





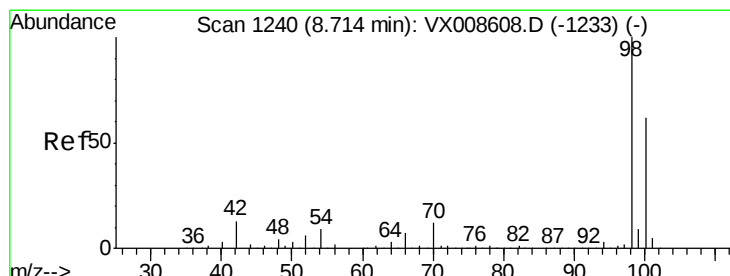
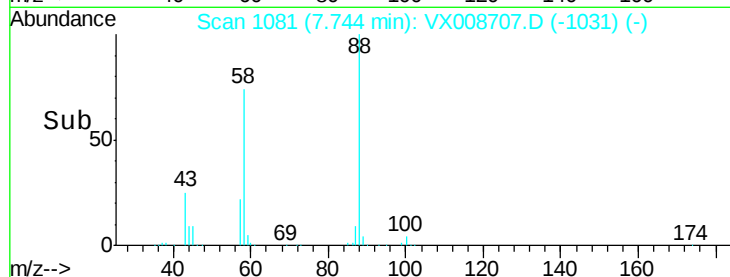
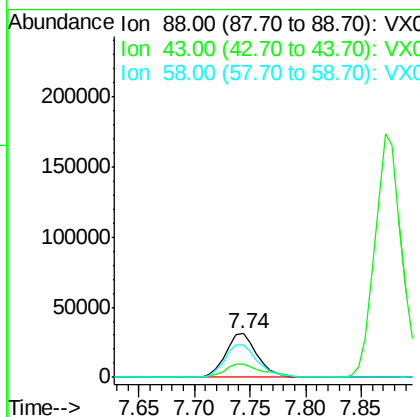
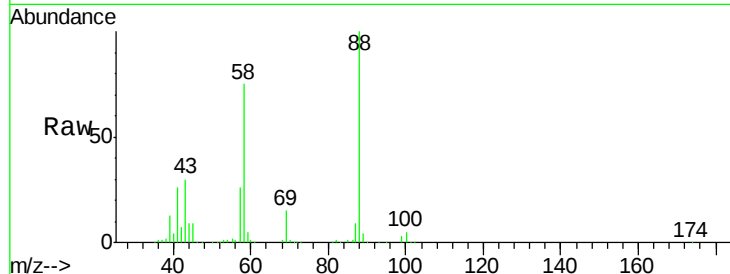
#49
1,4-Dioxane
Concen: 959.441 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.6	43.0
58	78.3	62.2	93.2

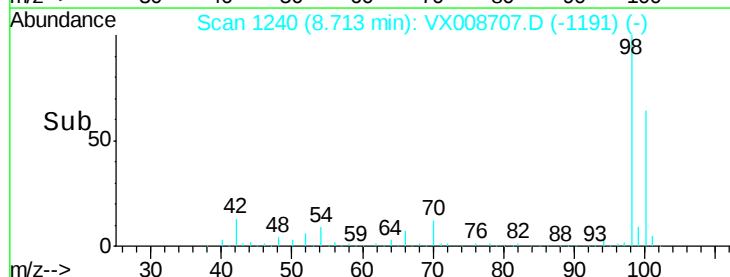
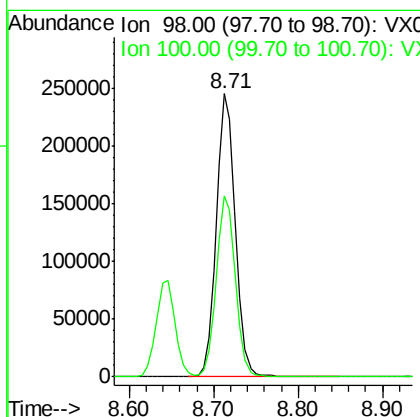
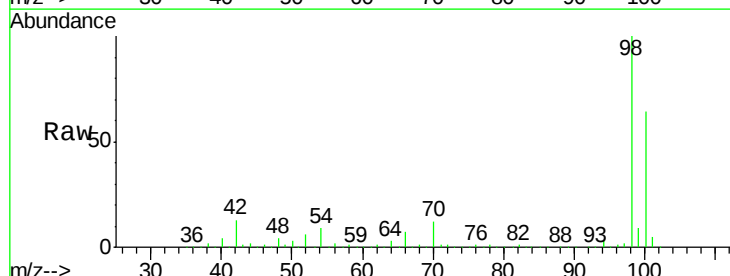
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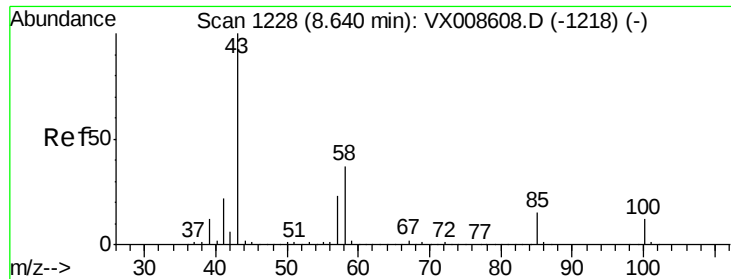
MMDadoda
4/8/2019 9:50:47 AM



#50
Toluene-d8
Concen: 50.894 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 248.385 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1079170

Ion Ratio Lower Upper

43 100

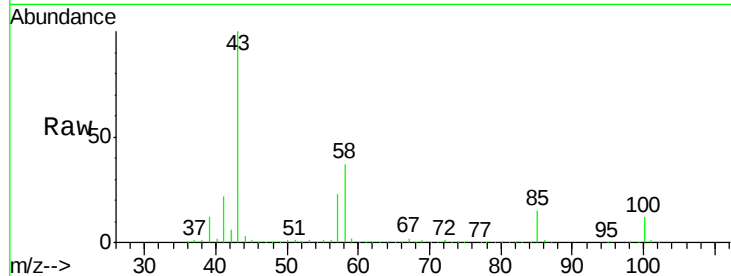
58 36.8 29.5 44.3

Manual Integrations

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MMDadoda

4/8/2019 9:50:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

400000

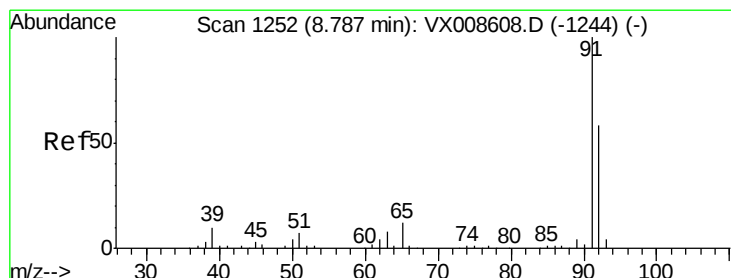
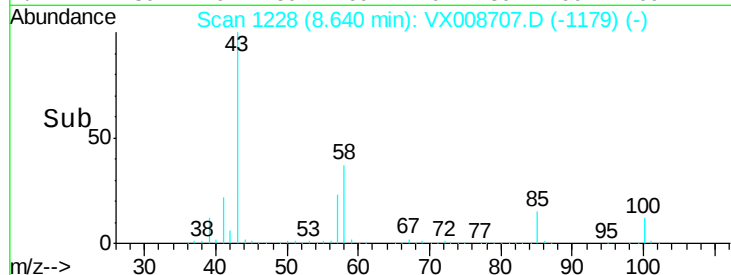
200000

0

8.64

8.60 8.70 8.80

Time-->



#52

Toluene

Concen: 47.178 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008707.D

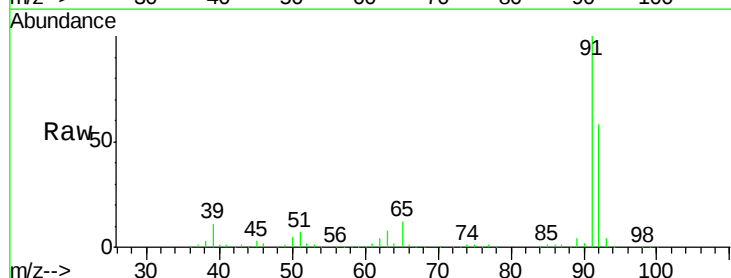
Acq: 06 Apr 2019 01:09

Tgt Ion: 92 Resp: 267460

Ion Ratio Lower Upper

92 100

91 173.0 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

200000

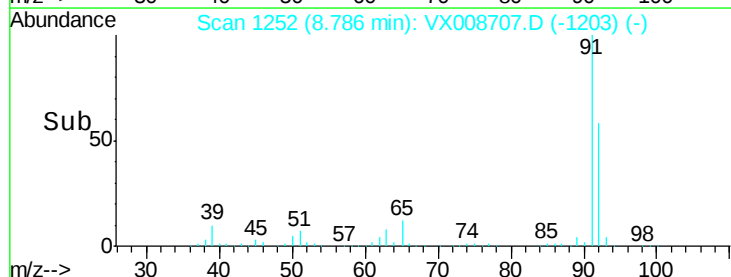
100000

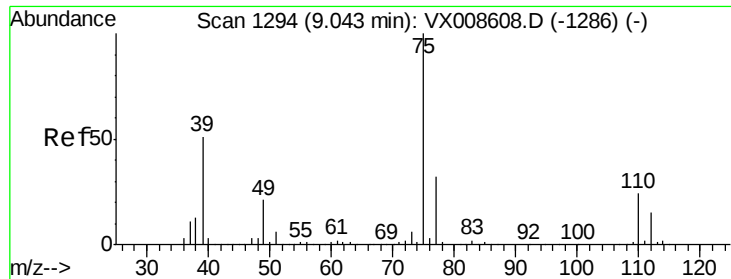
0

8.79

8.70 8.80 8.90 9.00

Time-->





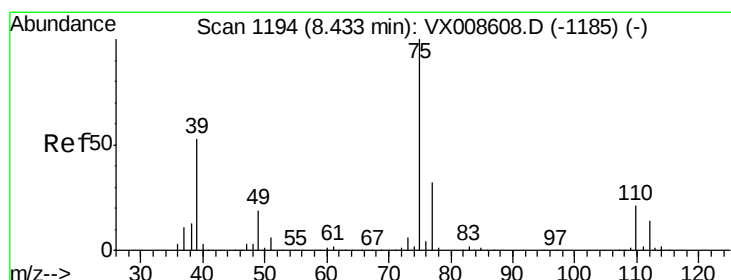
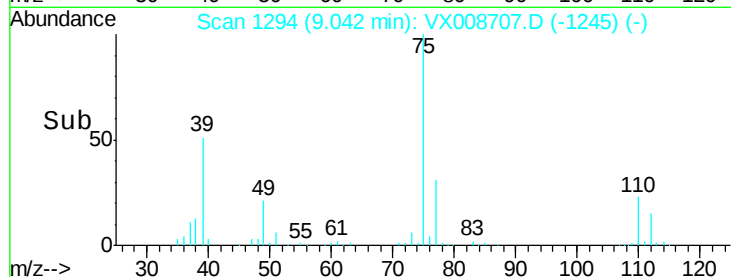
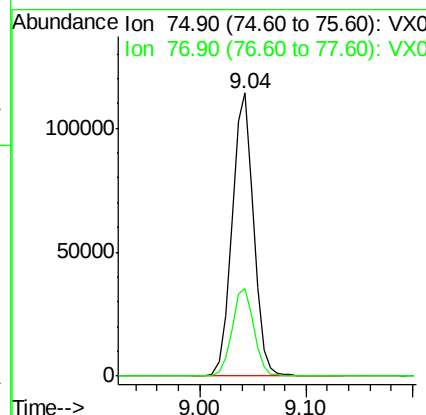
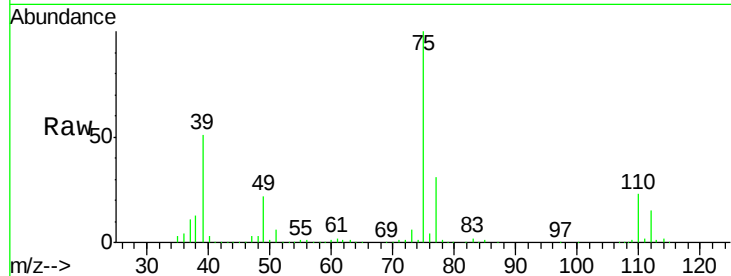
#53
 t-1,3-Dichloropropene
 Concen: 48.016 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 161436
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.2 37.8

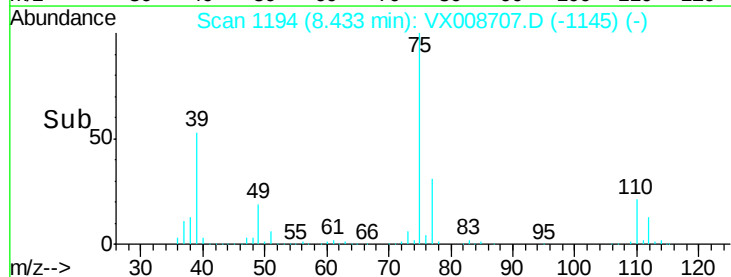
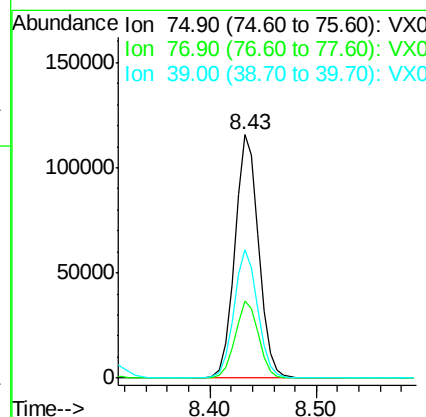
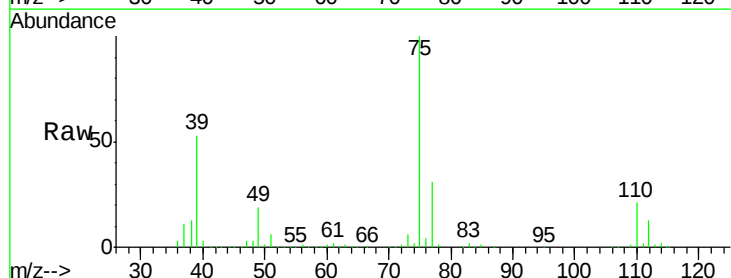
Manual Integrations
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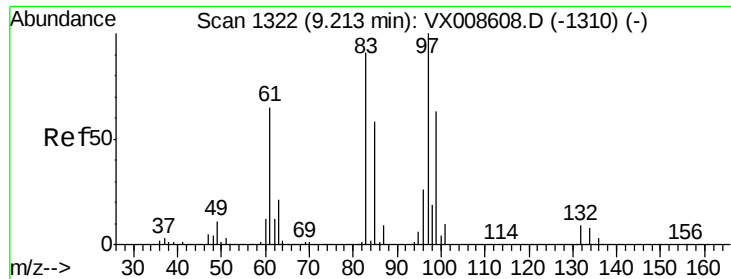
MMDadoda
 4/8/2019 9:50:47 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.145 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion: 75 Resp: 181119
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.3 37.9
 39 52.8 42.6 63.8





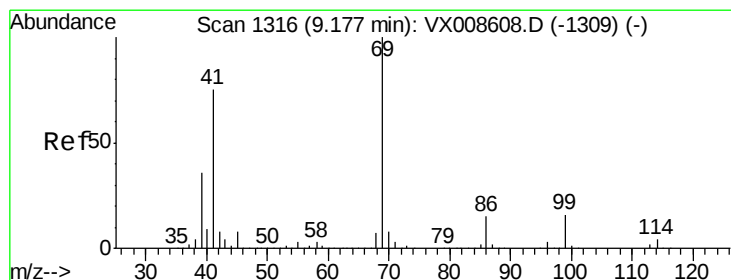
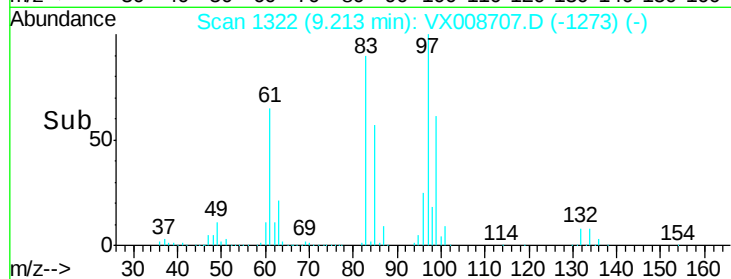
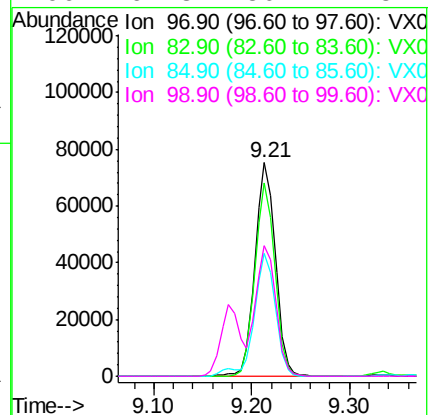
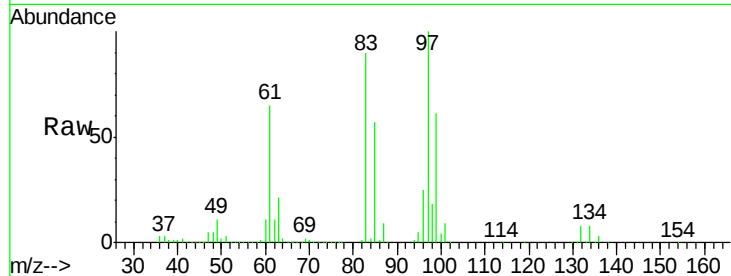
#55
 1,1,2-Trichloroethane
 Concen: 48.075 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.3	73.2	109.8
85	57.3	46.6	69.8
99	61.3	50.1	75.1

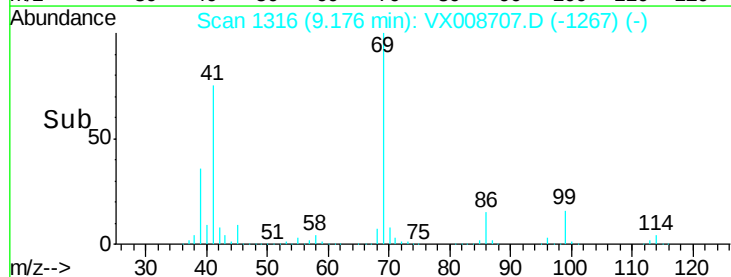
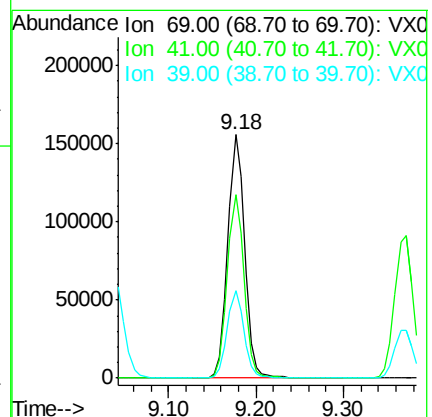
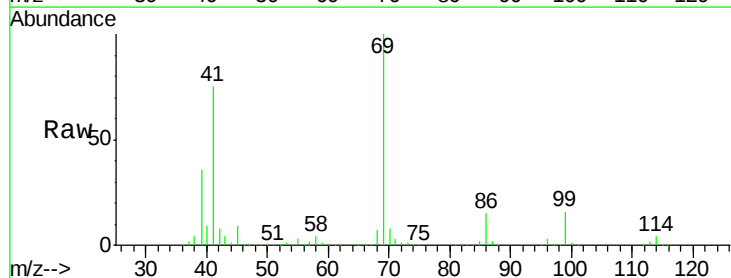
Manual Integrations
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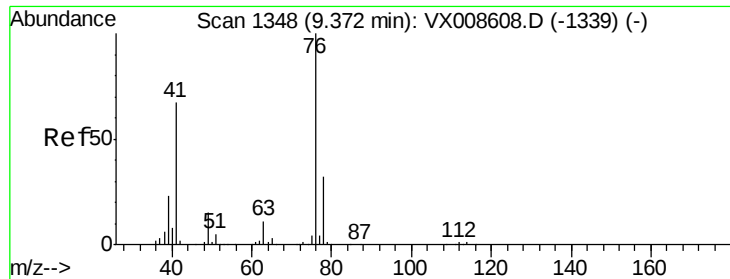
MMDadoda
 4/8/2019 9:50:47 AM



#56
 Ethyl methacrylate
 Concen: 50.395 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.0	60.1	90.1
39	35.5	28.9	43.3





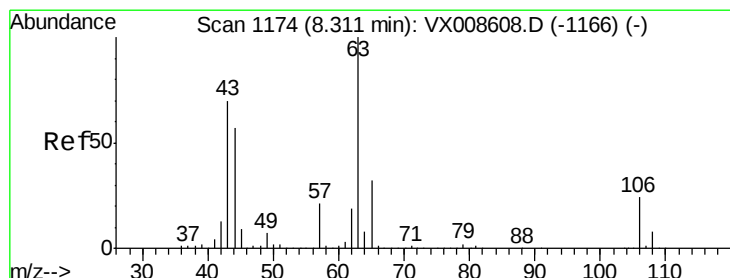
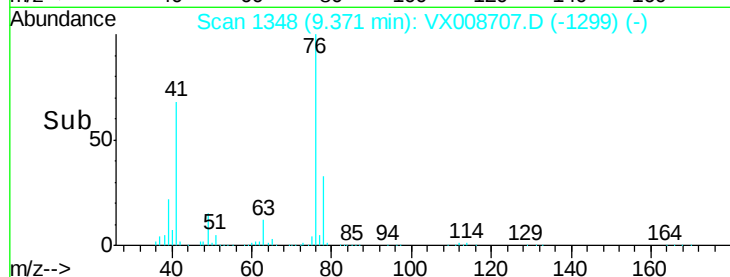
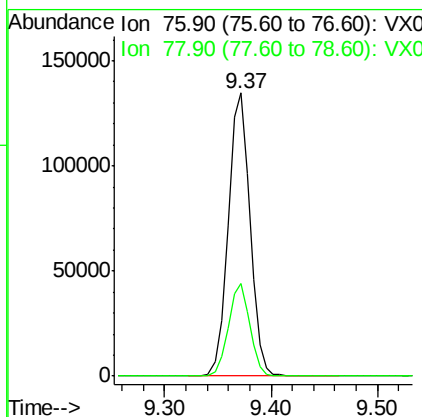
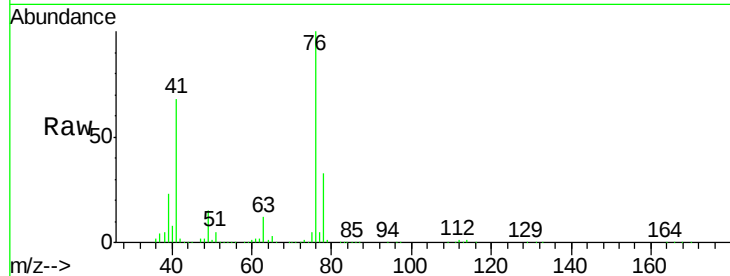
#57
 1,3-Dichloropropane
 Concen: 47.259 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 193115
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

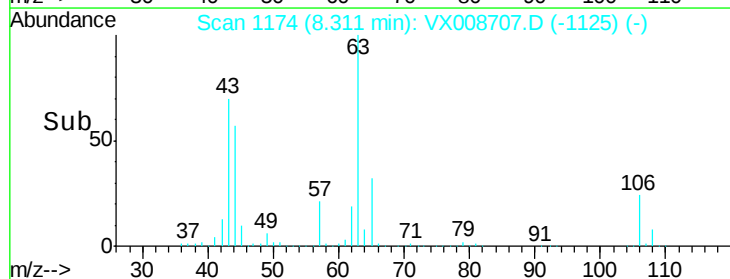
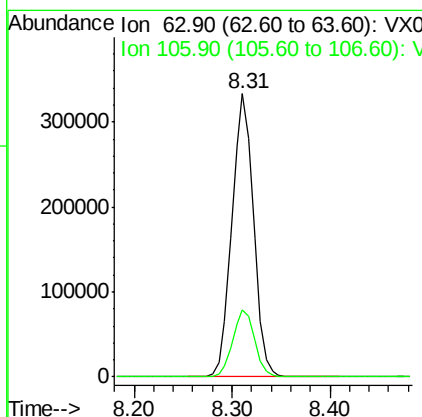
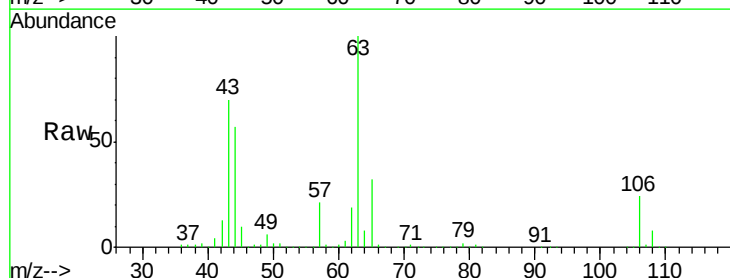
Manual Integrations
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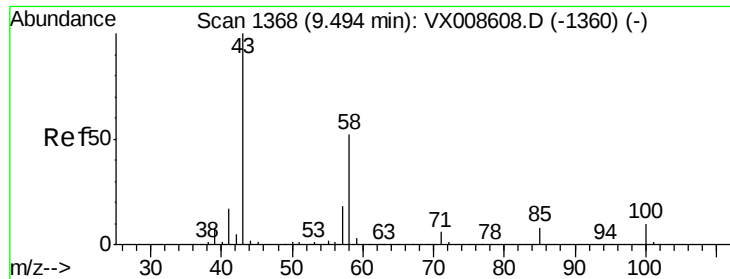
MMDadoda
 4/8/2019 9:50:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.960 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion: 63 Resp: 510805
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.0 28.6





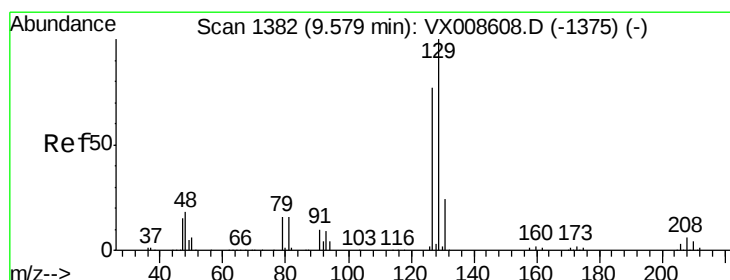
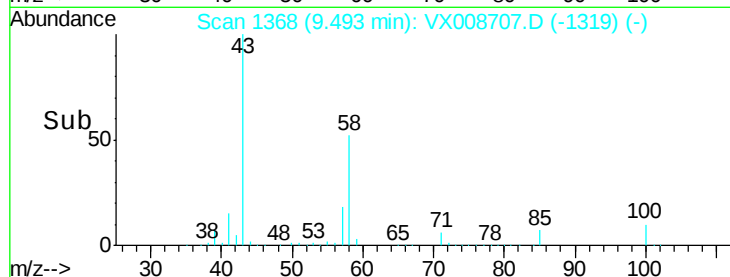
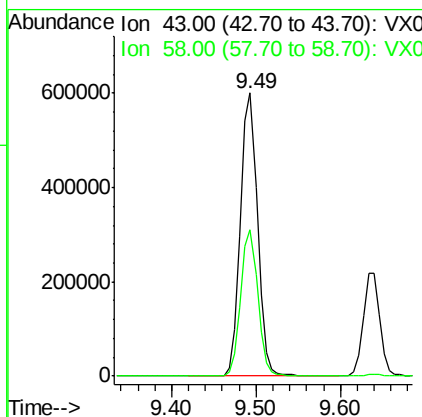
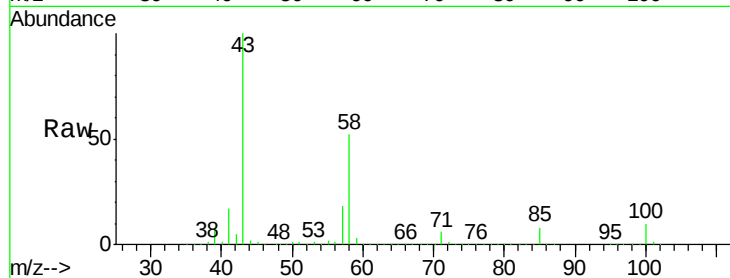
#59
2-Hexanone
Concen: 240.237 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 811160
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7

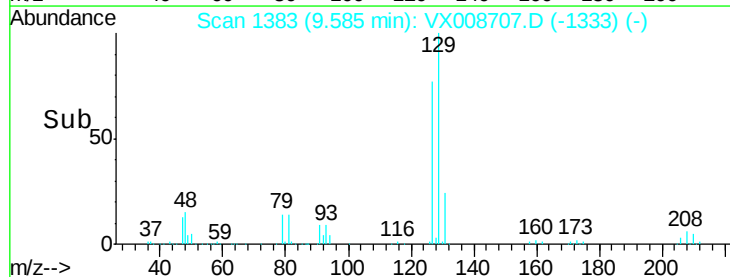
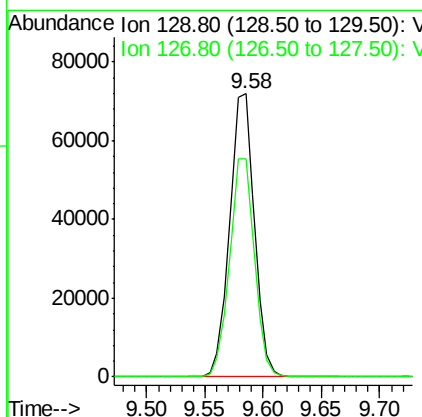
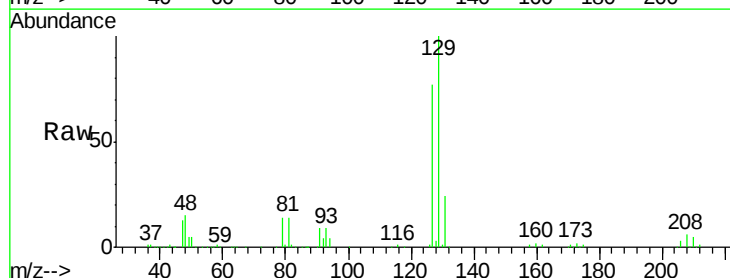
Manual Integrations
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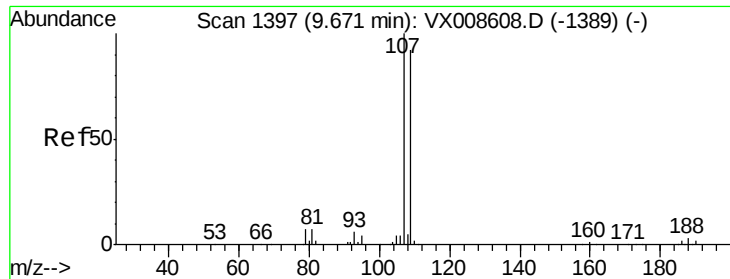
MMDadoda
4/8/2019 9:50:47 AM



#60
Dibromochloromethane
Concen: 49.683 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion: 129 Resp: 106540
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 47.381 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 112247

Ion Ratio Lower Upper

107 100

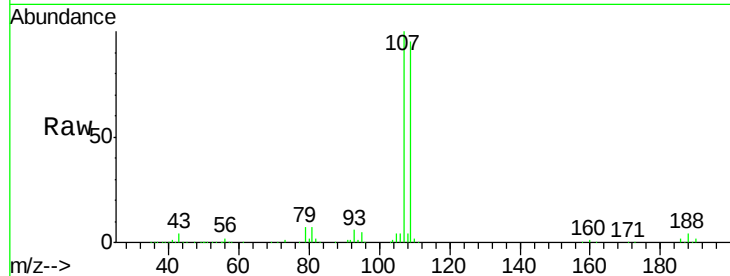
109 93.7 74.1 111.1

Manual Integrations

APPROVED

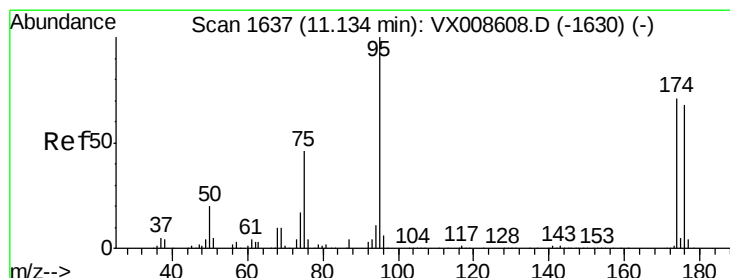
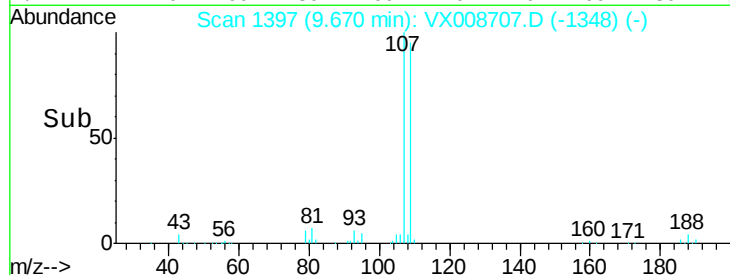
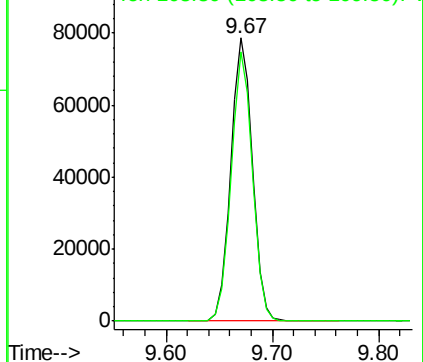
MMDadoda

4/8/2019 9:50:47 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.763 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

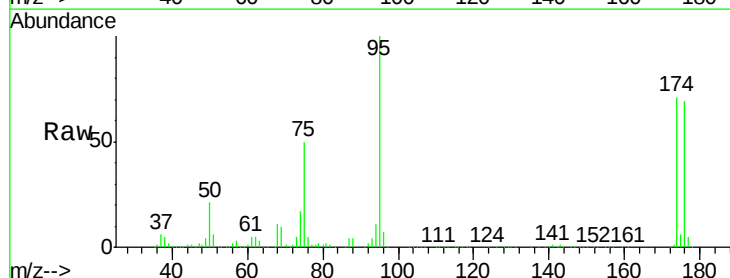
Tgt Ion: 95 Resp: 137989

Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.8

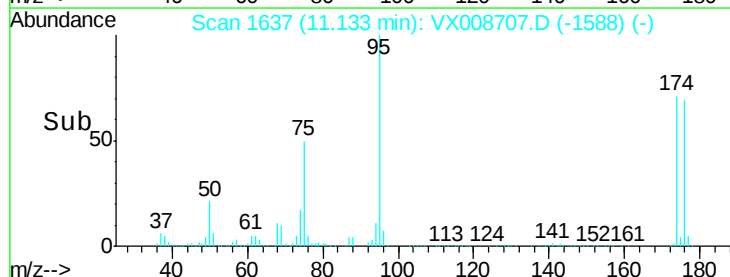
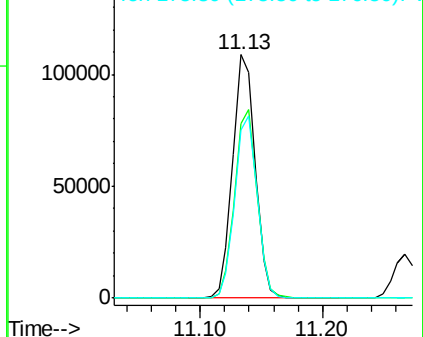
176 74.7 0.0 145.8

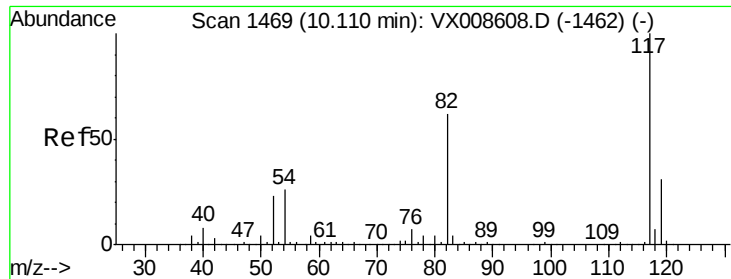


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





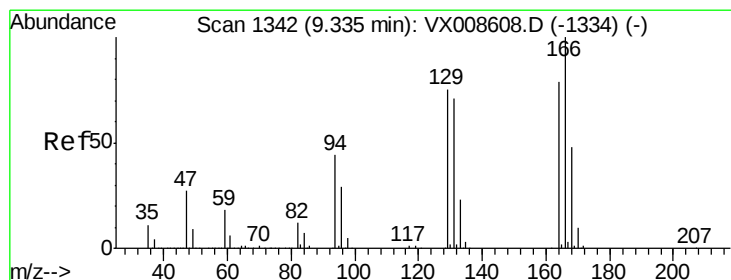
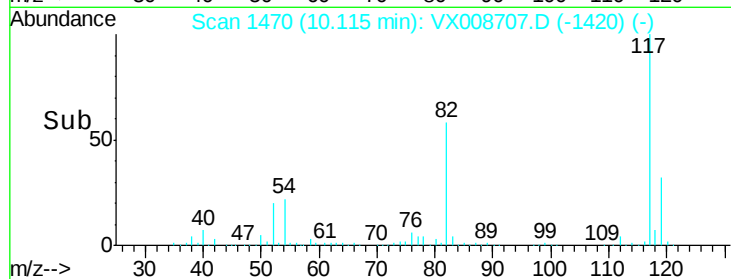
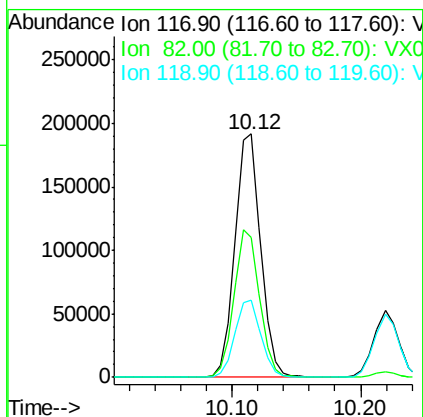
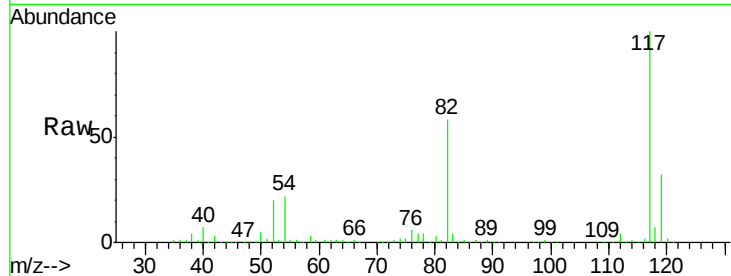
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	266929		
82	57.7	49.6	74.4	
119	31.9	25.0	37.4	

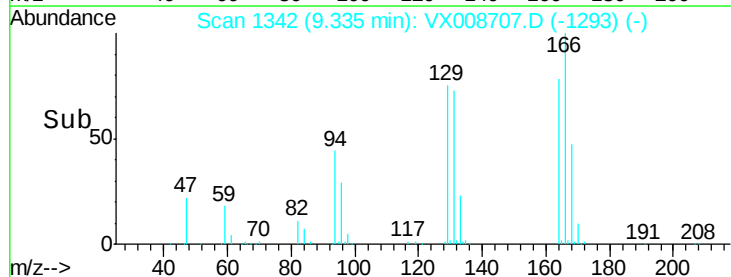
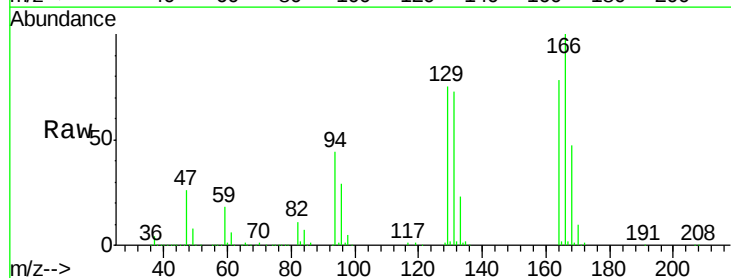
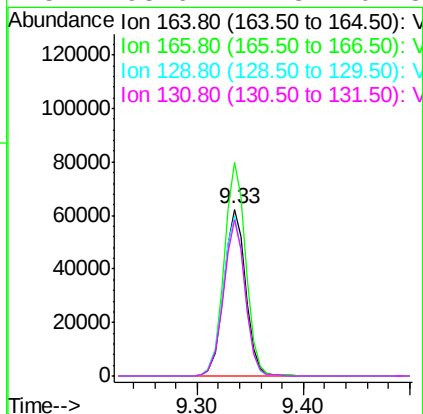
Manual Integrations
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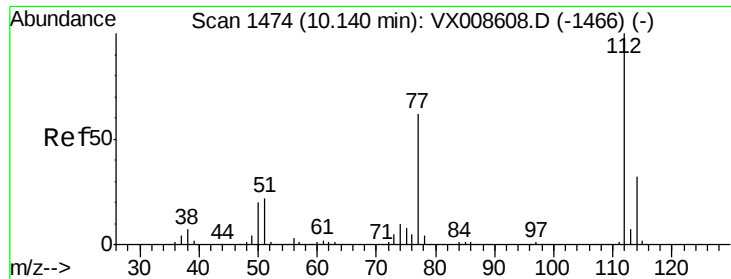
MMDadoda
4/8/2019 9:50:47 AM



#64
Tetrachloroethene
Concen: 45.037 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	89069		
166	128.2	101.0	151.6	
129	96.2	75.8	113.8	
131	93.6	71.8	107.8	





#65

Chlorobenzene

Concen: 46.022 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 272308

Ion Ratio Lower Upper

112 100

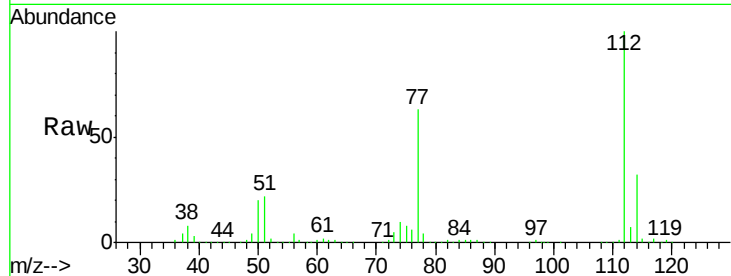
114 31.7 25.8 38.8

Manual Integrations

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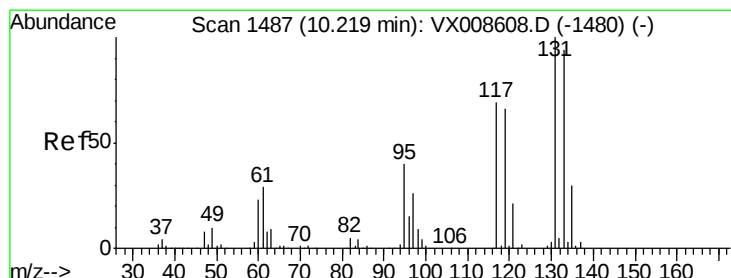
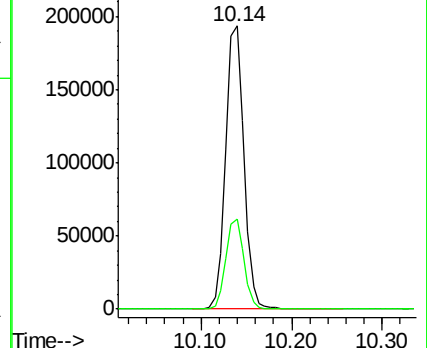
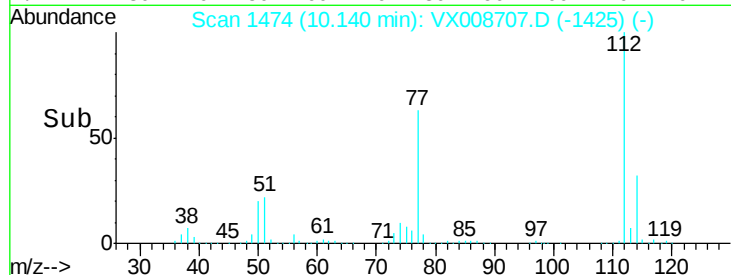
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.104 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

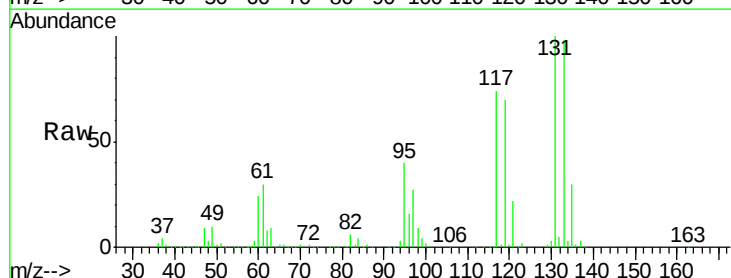
Tgt Ion:131 Resp: 97778

Ion Ratio Lower Upper

131 100

133 95.7 47.0 141.2

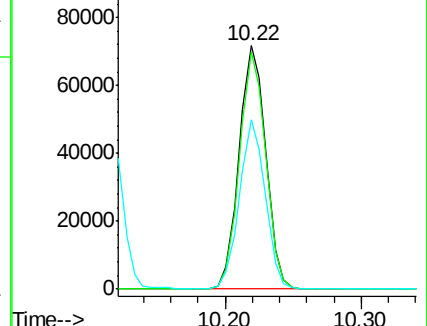
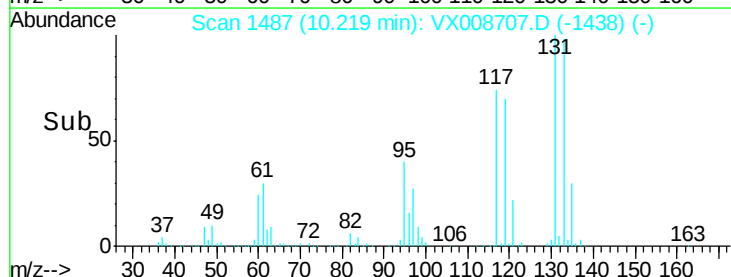
119 67.5 33.7 101.0

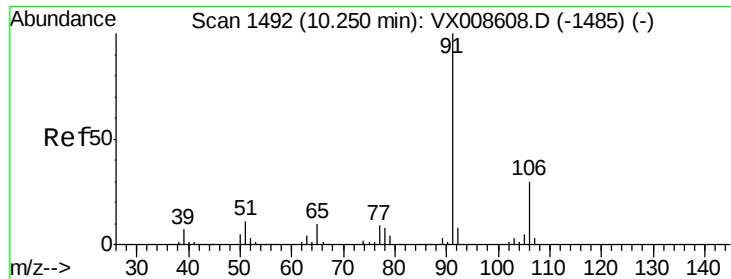


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.042 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 507990

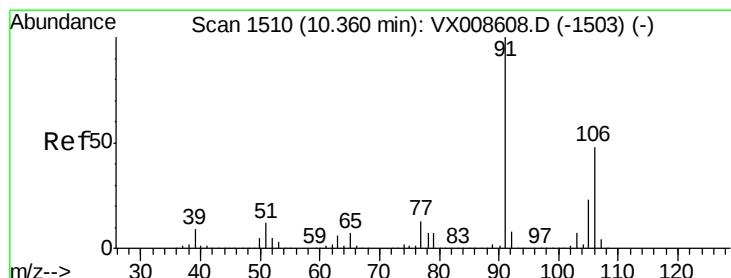
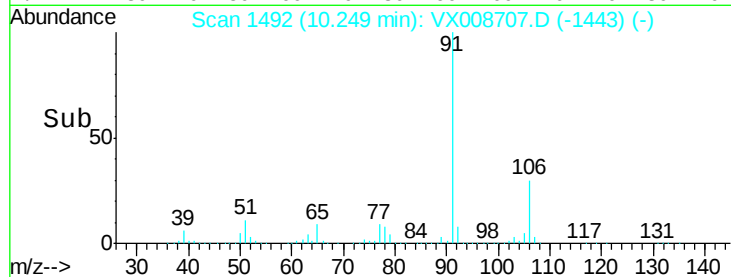
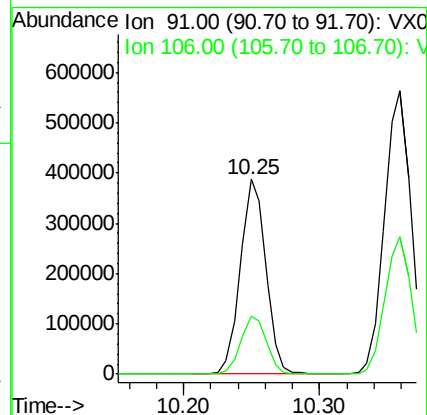
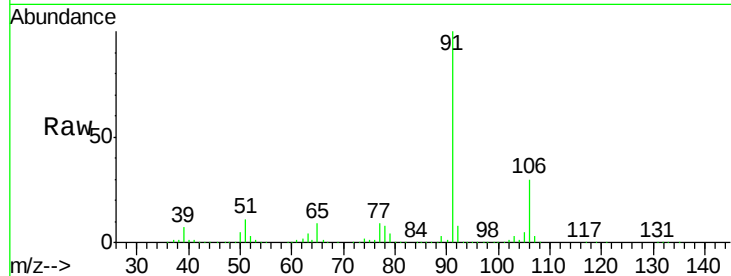
Ion Ratio Lower Upper

91 100

106 29.6 23.7 35.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 93.655 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008707.D

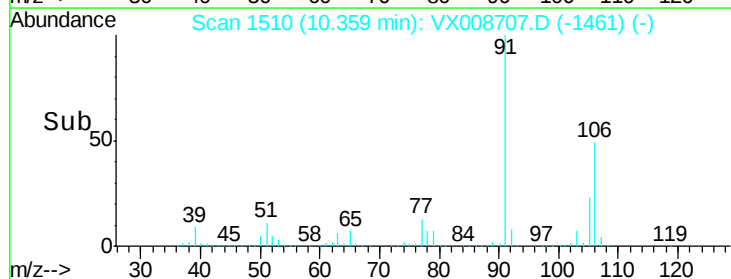
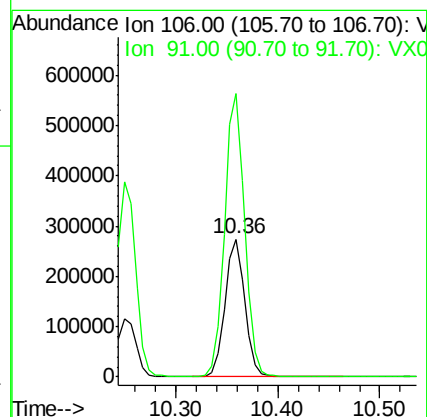
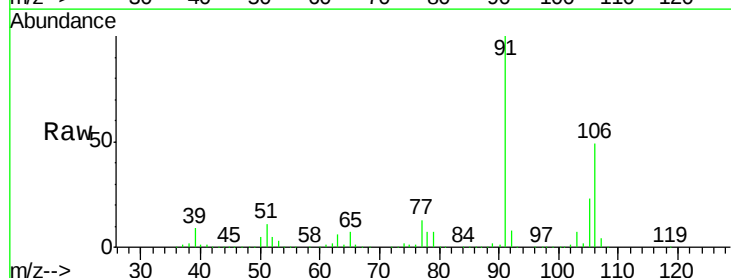
Acq: 06 Apr 2019 01:09

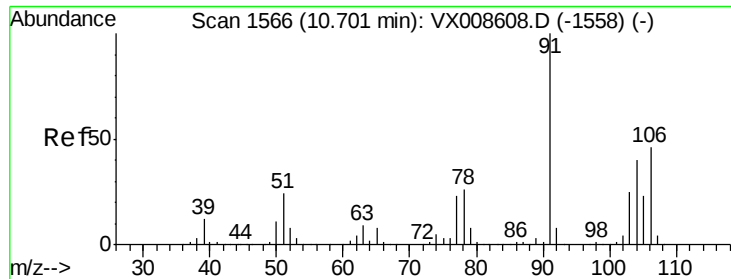
Tgt Ion: 106 Resp: 371533

Ion Ratio Lower Upper

106 100

91 207.6 168.5 252.7





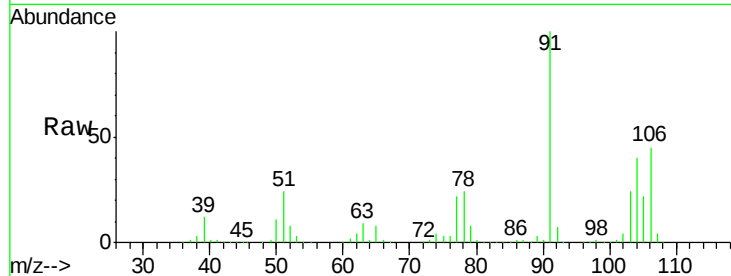
#69
o-Xylene
Concen: 46.934 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

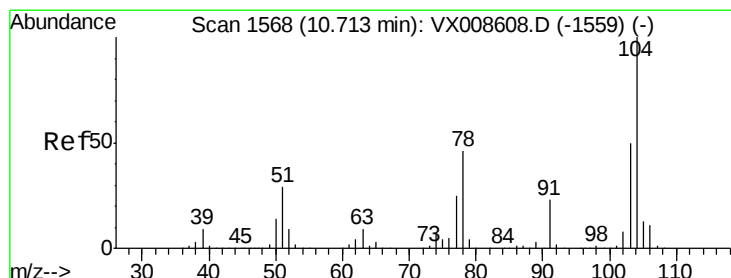
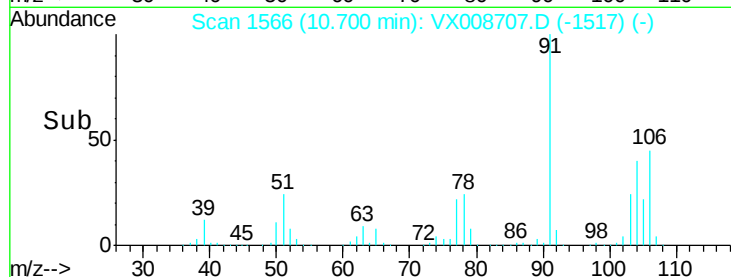
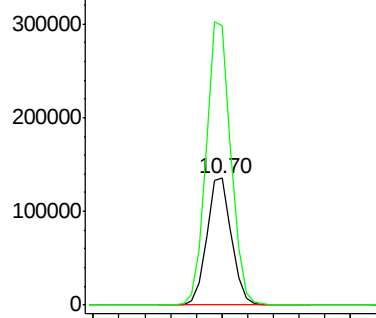
Tgt Ion:106 Resp: 180437
Ion Ratio Lower Upper
106 100
91 223.3 111.5 334.4

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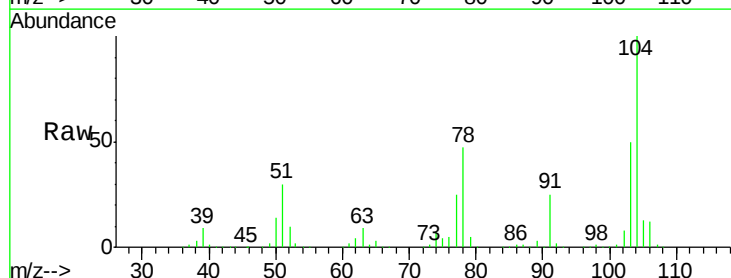


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

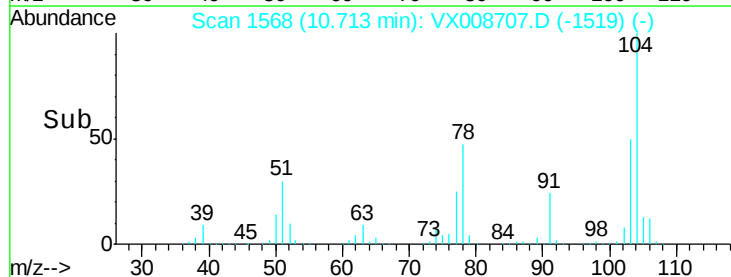
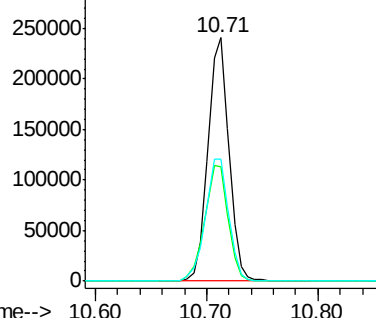


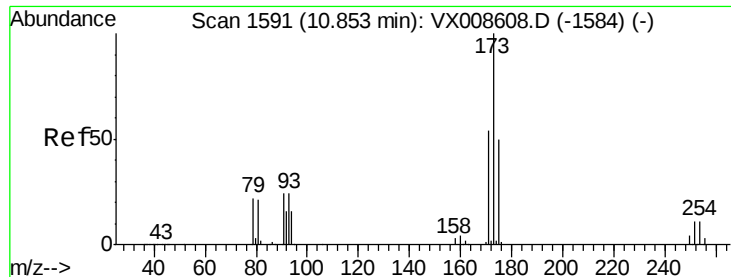
#70
Styrene
Concen: 47.476 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion:104 Resp: 314625
Ion Ratio Lower Upper
104 100
78 53.1 42.3 63.5
103 55.5 44.4 66.6



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





#71

Bromoform

Concen: 49.413 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

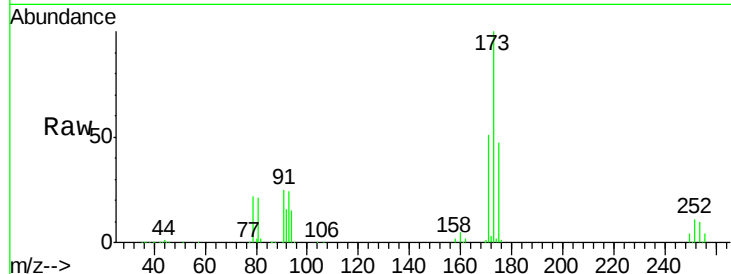
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.6
254	0.2	0.1	0.1

Manual Integrations
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4/8/2019 9:50:47 AM

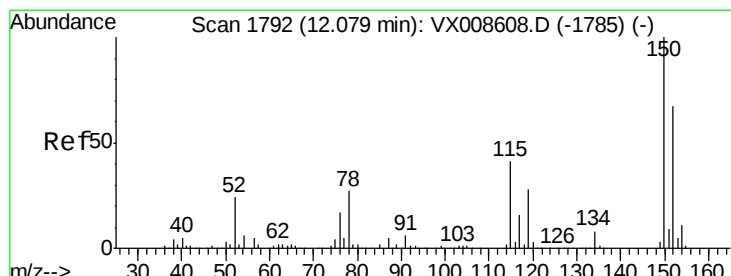
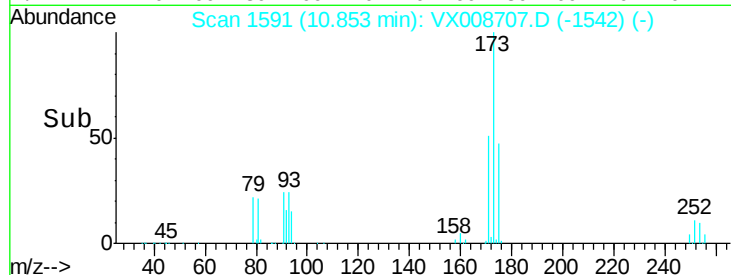
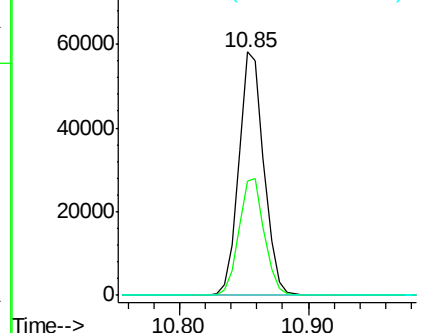


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

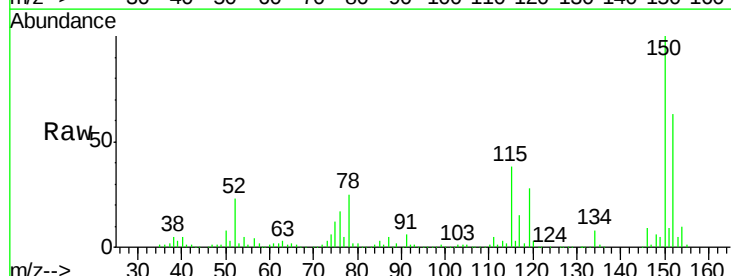
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	84.6	43.5	130.5
150	175.0	0.0	348.8

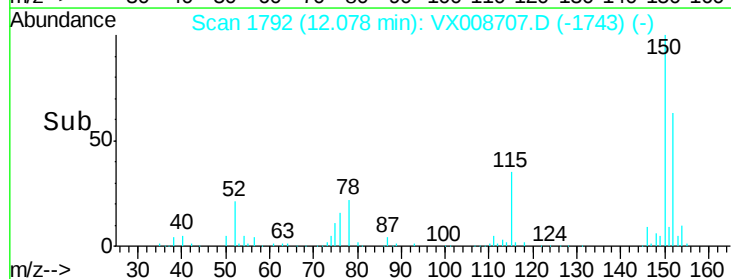
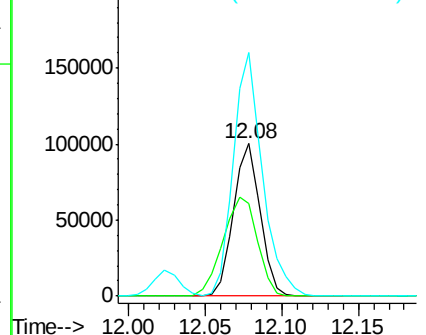


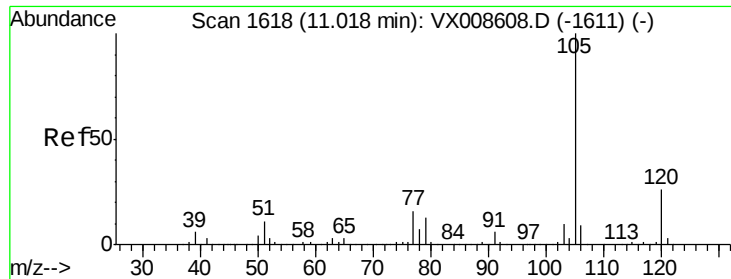
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.432 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 476099

Ion Ratio Lower Upper

105 100

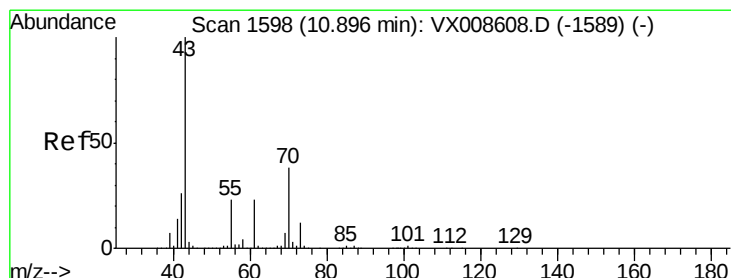
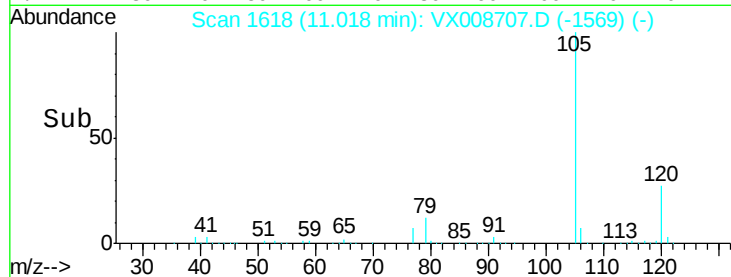
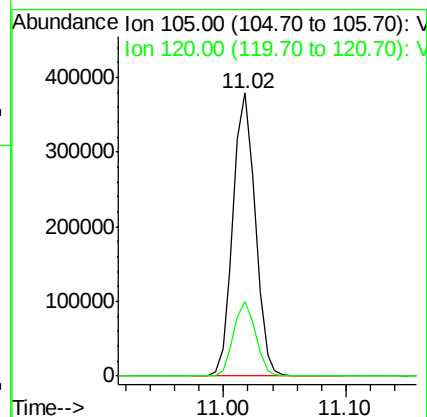
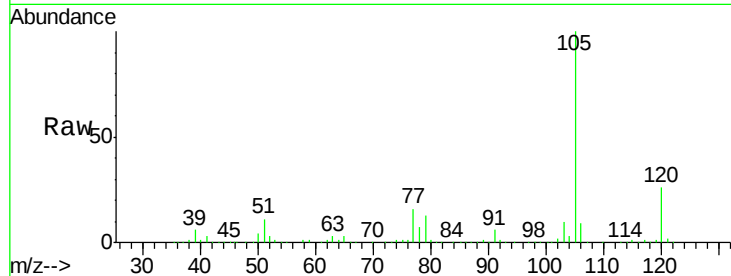
120 26.0 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.889 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion: 43 Resp: 282809

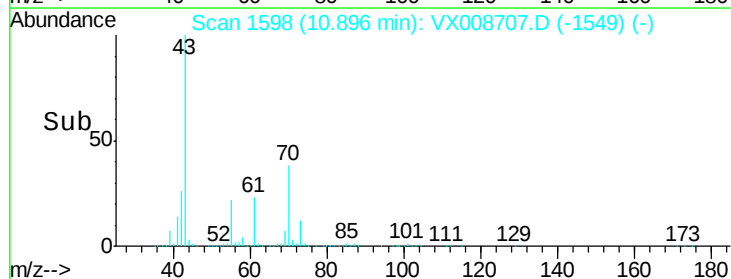
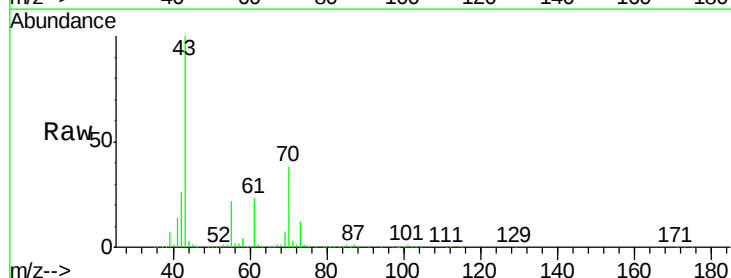
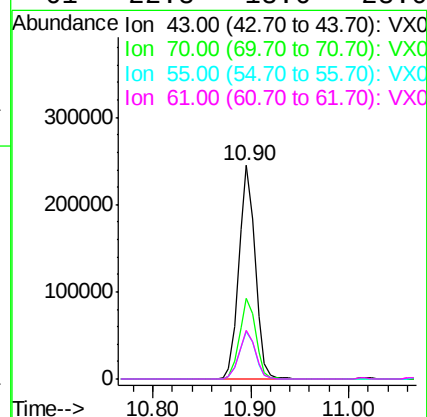
Ion Ratio Lower Upper

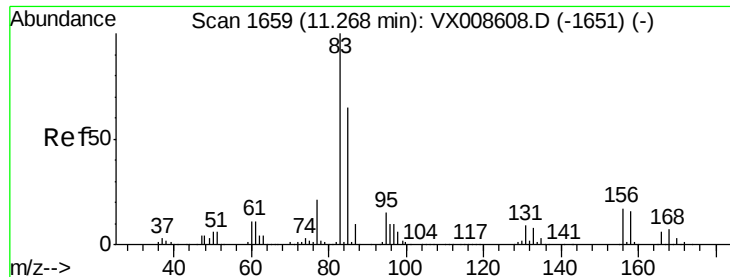
43 100

70 38.1 30.2 45.4

55 22.7 18.2 27.4

61 22.8 18.6 28.0





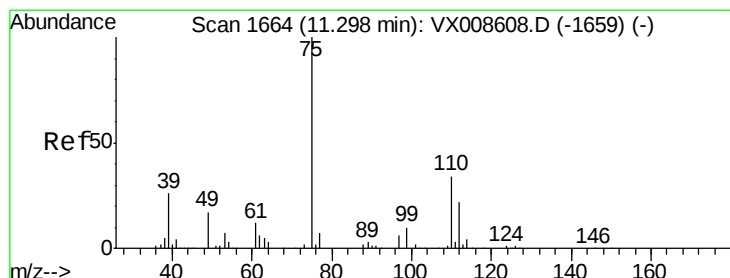
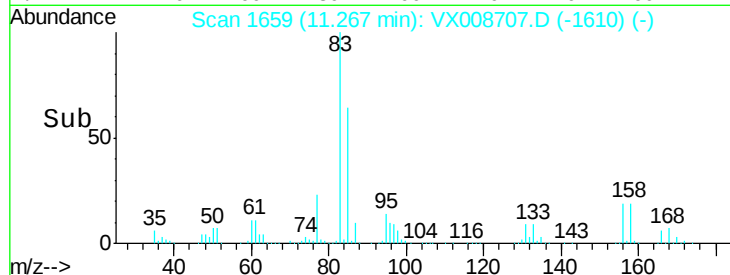
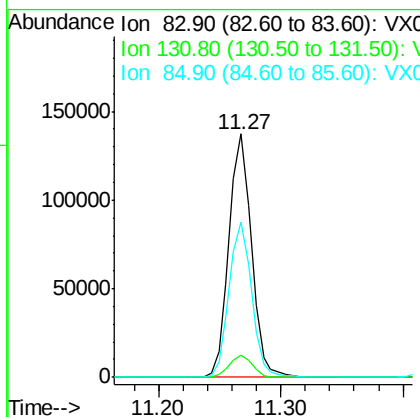
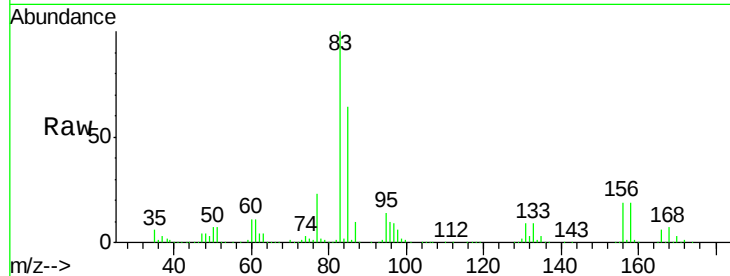
#75
 1,1,2,2-Tetrachloroethane
 Concen: 45.838 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	174982		
131	9.1	4.5	13.7	
85	64.1	32.0	96.2	

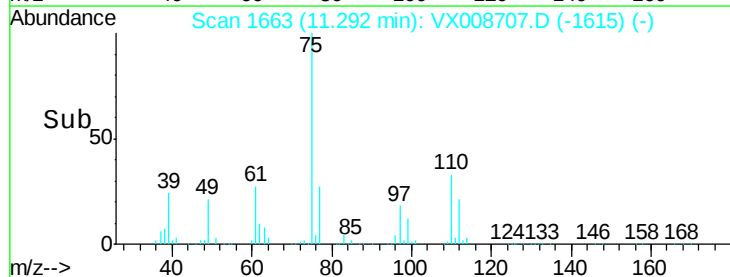
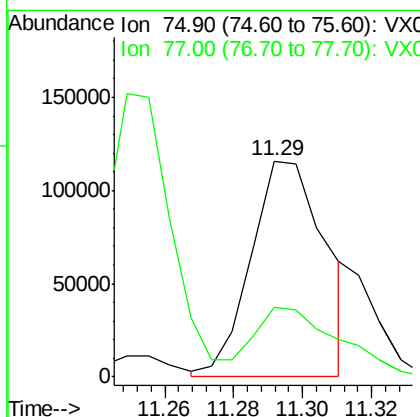
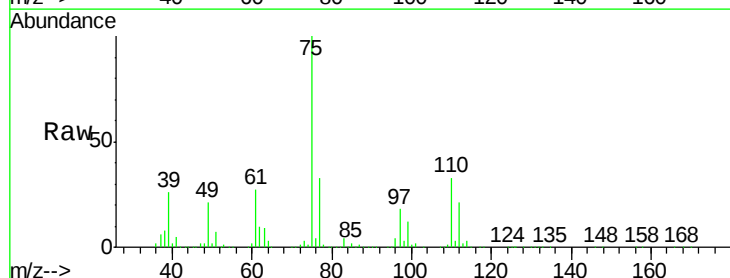
Manual Integrations
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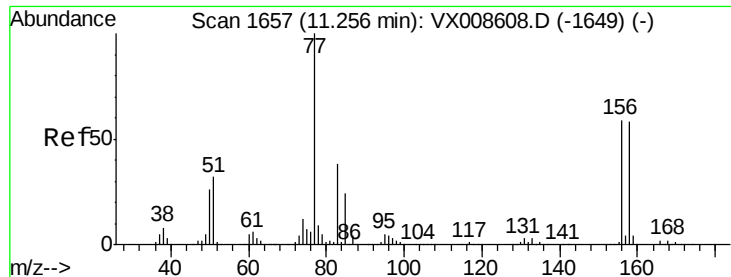
MMDadoda
 4/8/2019 9:50:47 AM



#76
 1,2,3-Trichloropropane
 Concen: 51.832 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172459		
77	38.5	22.3	66.8	





#77

Bromobenzene

Concen: 47.169 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

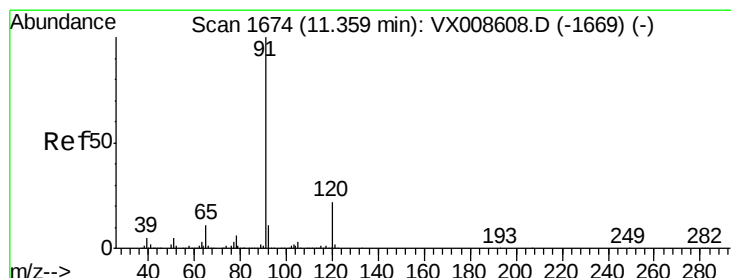
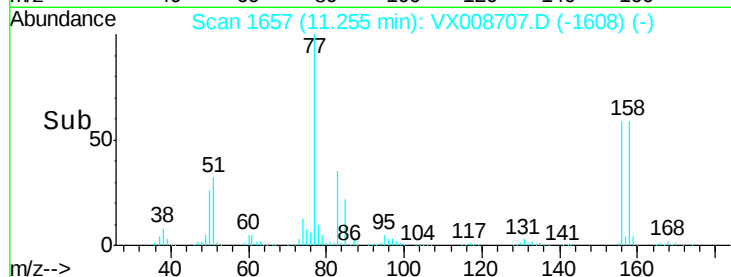
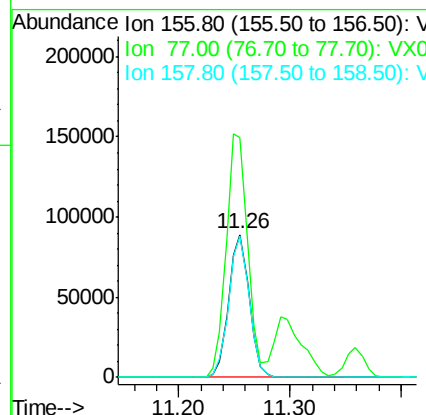
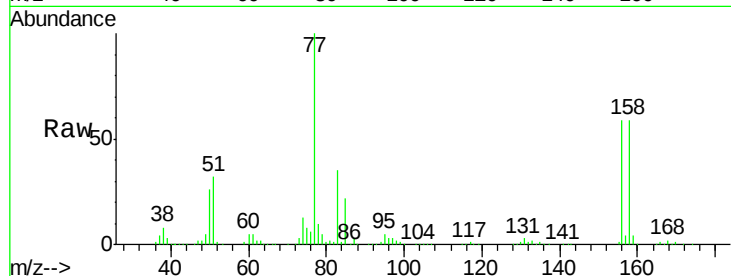
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	113820
Ion Ratio	Lower	Upper	
156	100		
77	176.8	89.8	269.6
158	98.8	48.6	145.9

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#78

n-propylbenzene

Concen: 47.207 ug/l

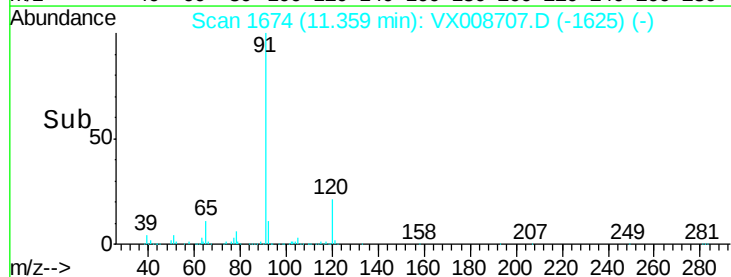
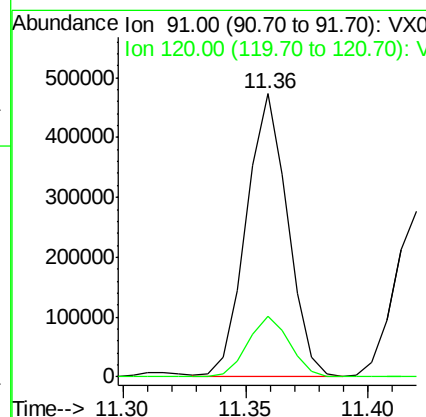
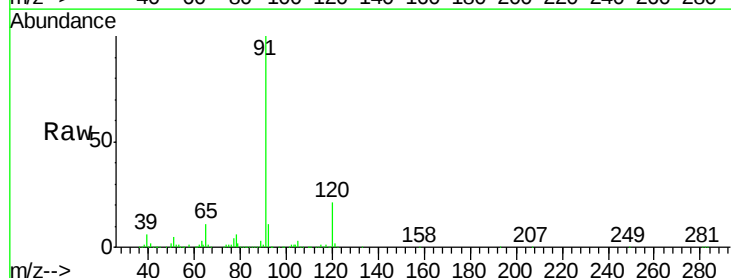
RT: 11.36 min Scan# 1674

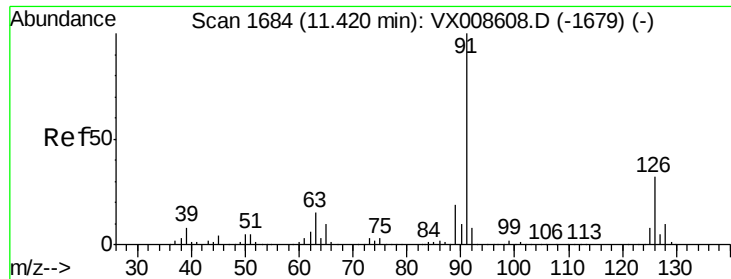
Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	91	Resp:	551722
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.9	32.7





#79

2-Chlorotoluene

Concen: 46.452 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 328536

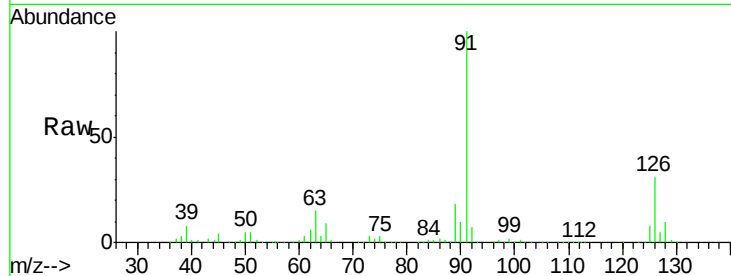
Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.3

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Abundance Ion 91.00 (90.70 to 91.70): VX008608.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008608.D (-1679) (-)

500000

400000

300000

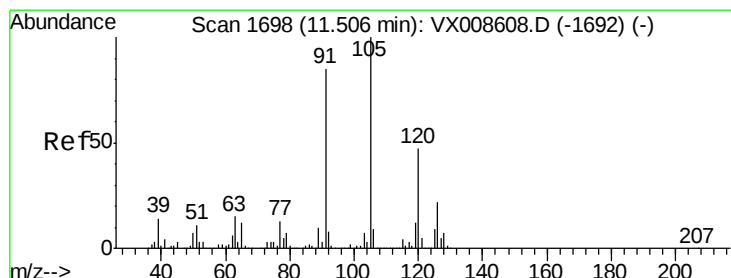
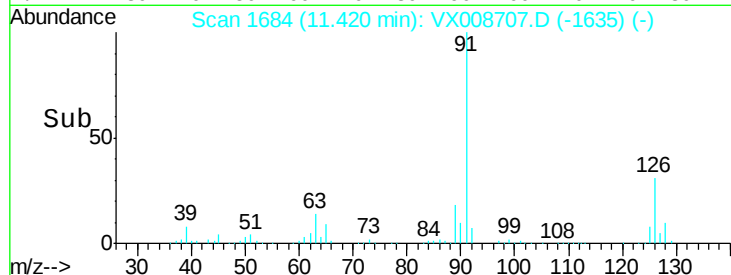
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.779 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008707.D

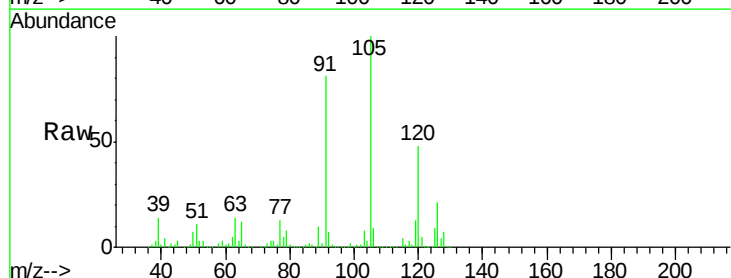
Acq: 06 Apr 2019 01:09

Tgt Ion: 105 Resp: 402570

Ion Ratio Lower Upper

105 100

120 47.7 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VX008608.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008608.D (-1692) (-)

400000

300000

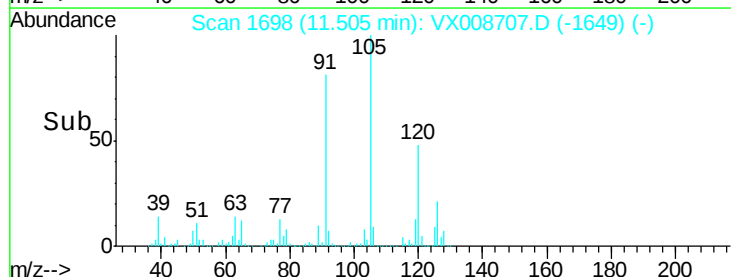
200000

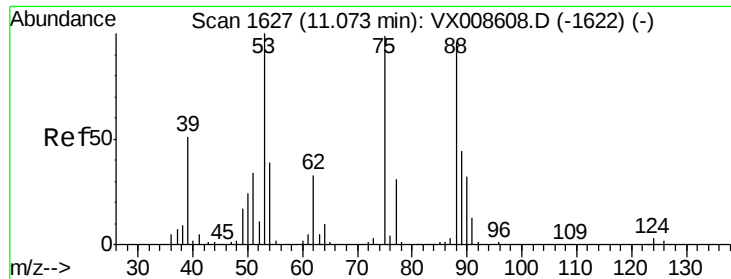
100000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.844 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

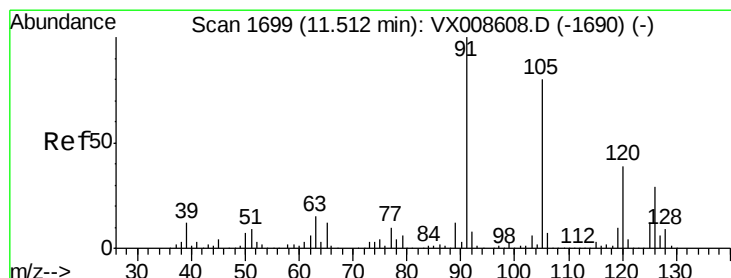
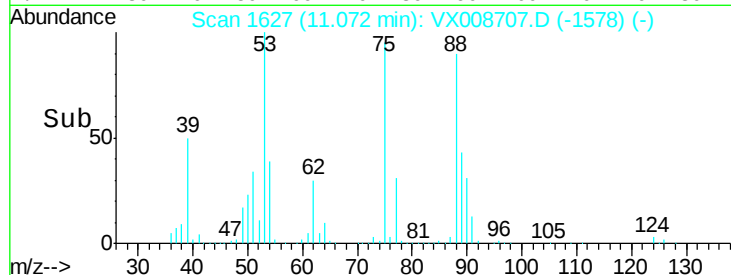
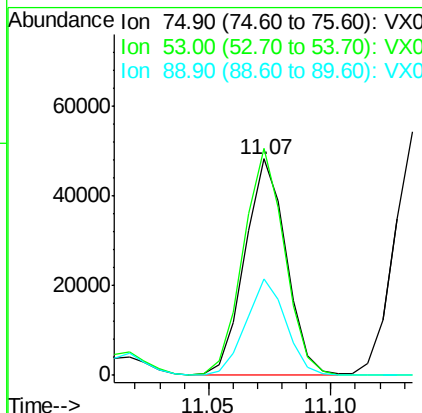
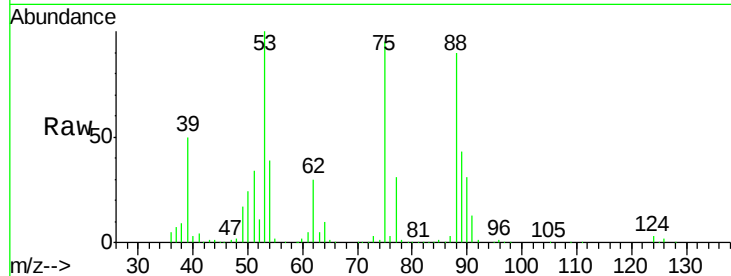
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	56542
Ion Ratio	Lower	Upper	
75	100		
53	104.5	81.3	121.9
89	43.5	35.6	53.4

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#82

4-Chlorotoluene

Concen: 46.485 ug/l

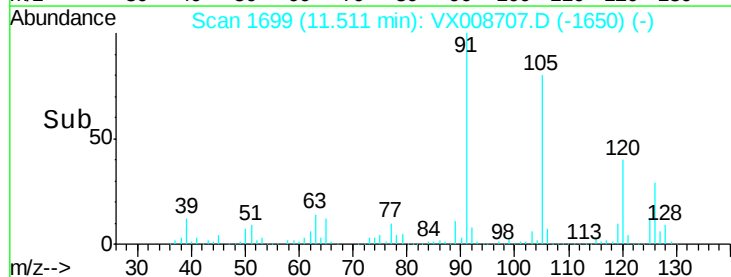
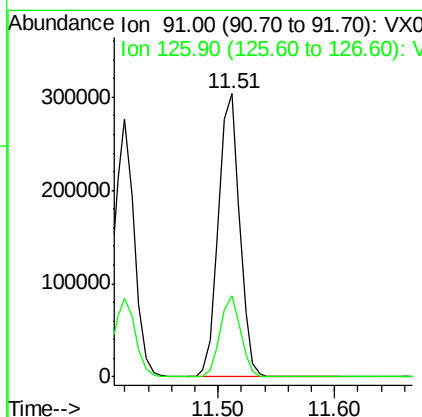
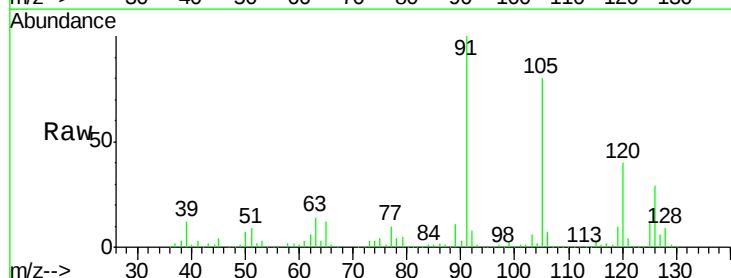
RT: 11.51 min Scan# 1699

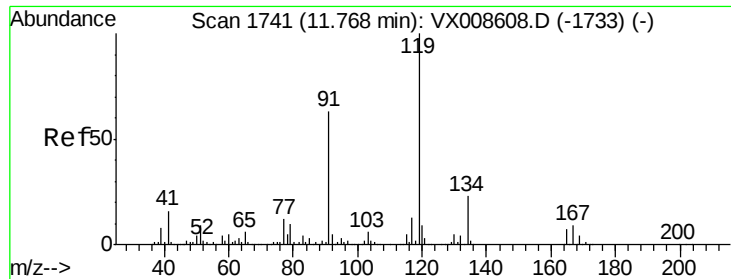
Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	91	Resp:	380563
Ion Ratio	Lower	Upper	
91	100		
126	27.8	13.9	41.6





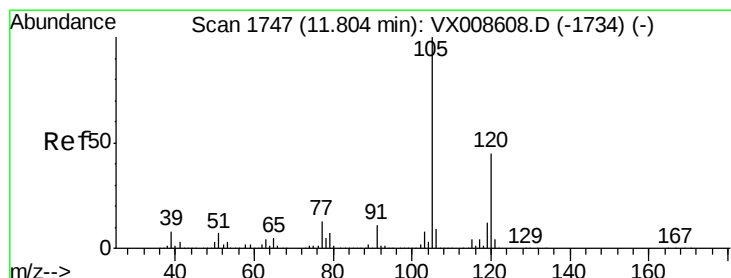
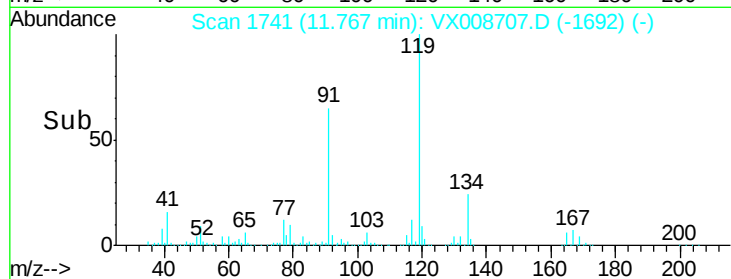
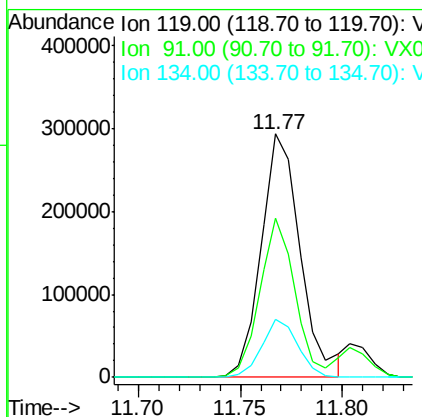
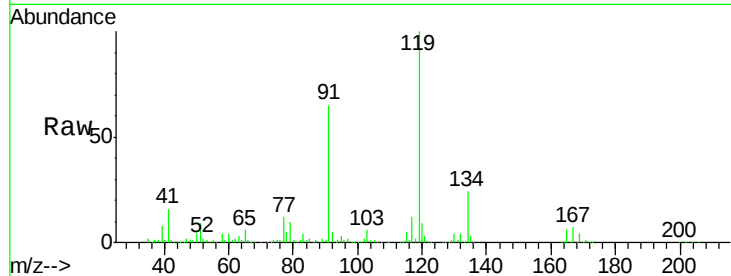
#83
tert-Butylbenzene
Concen: 48.456 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	392791		
91	58.5	30.0	90.1	
134	22.0	11.1	33.3	

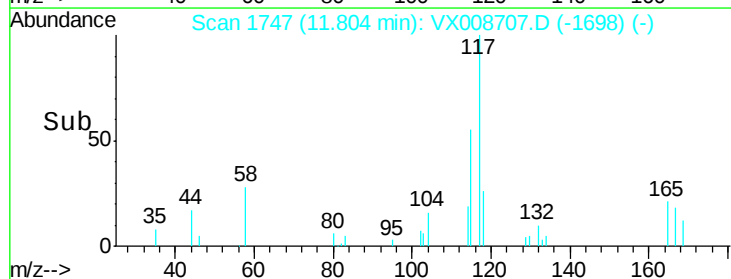
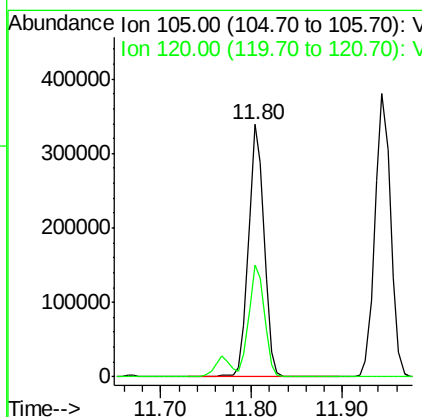
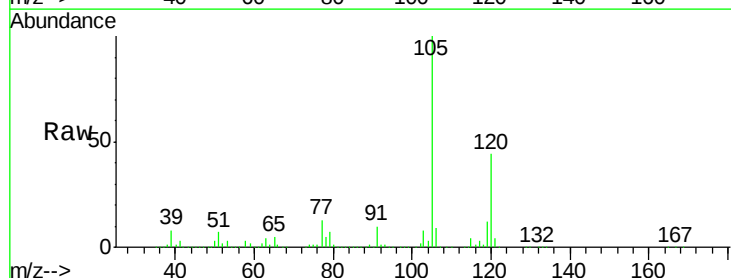
Manual Integrations
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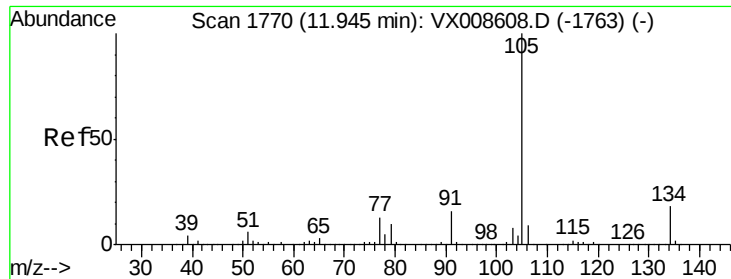
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 47.335 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	403841		
120	44.0	21.8	65.3	





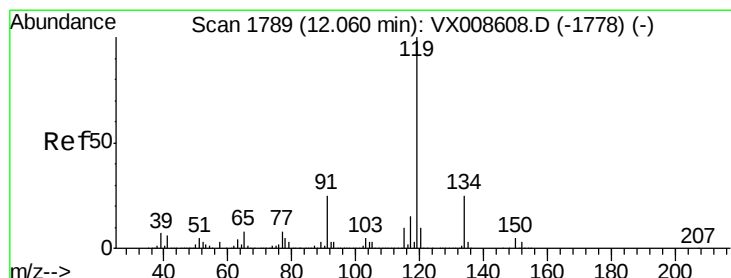
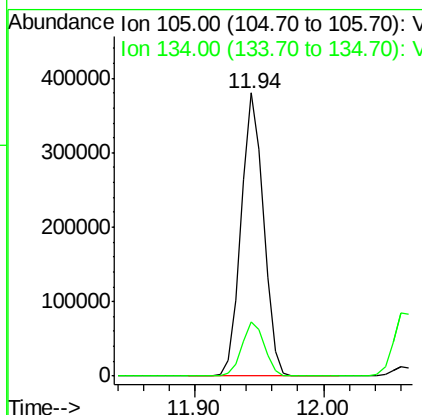
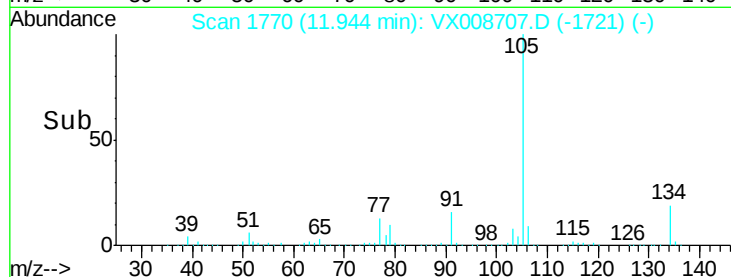
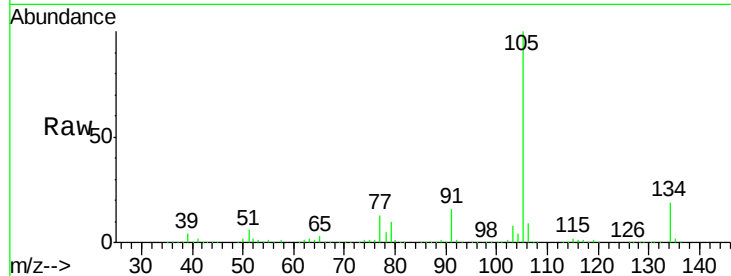
#85
 sec-Butylbenzene
 Concen: 47.430 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 456683
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.4 28.2

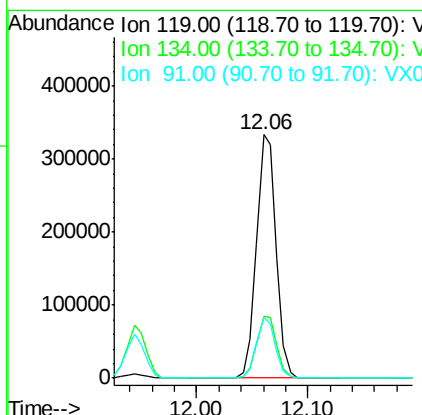
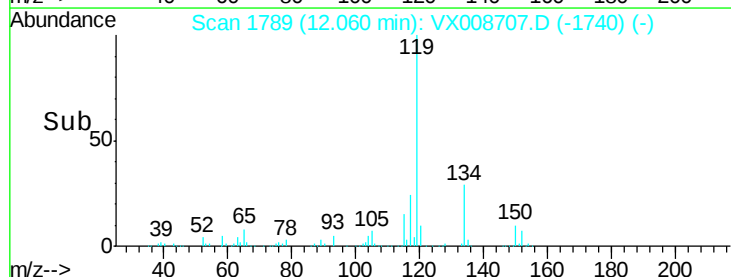
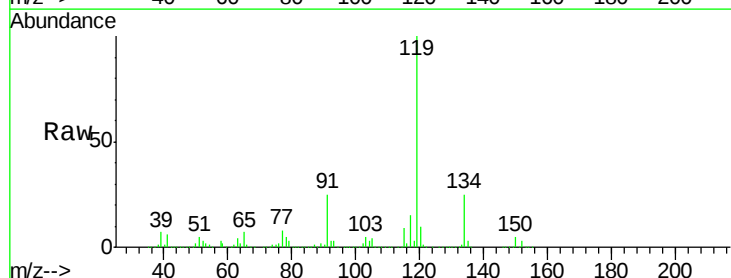
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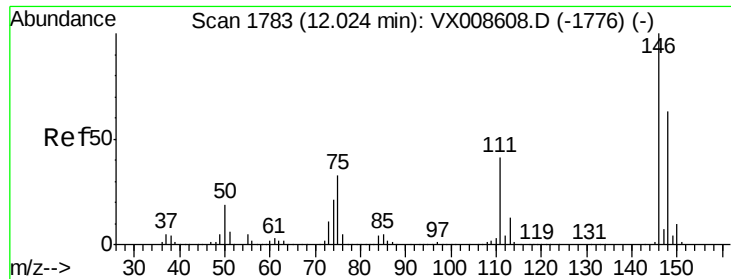
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 4/8/2019 9:50:47 AM



#86
 p-Isopropyltoluene
 Concen: 47.326 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion:119 Resp: 408998
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.4
 91 24.2 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 45.693 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

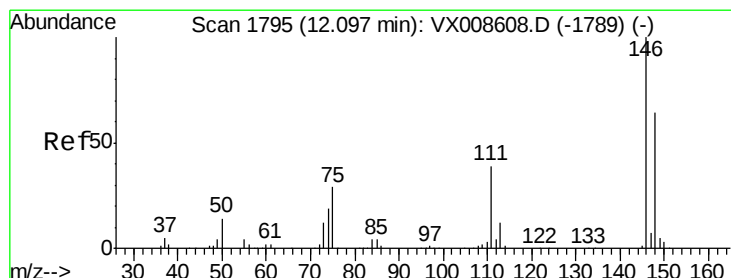
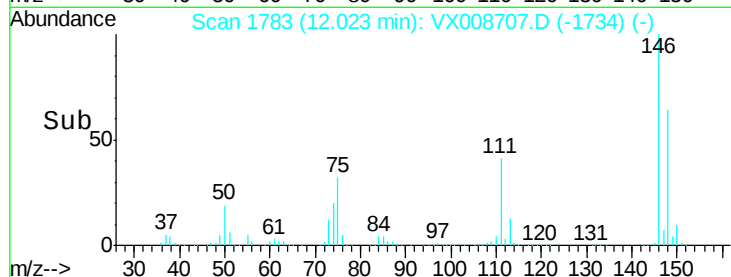
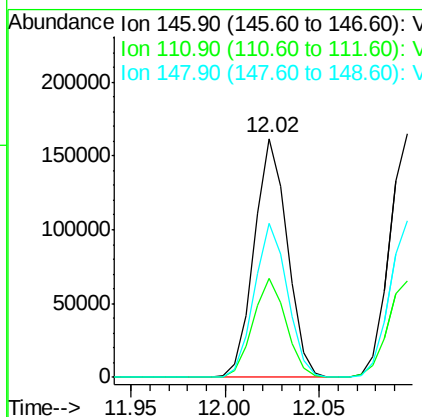
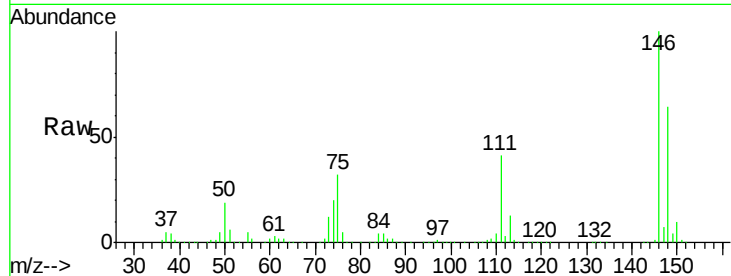
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	197385
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.5	61.5
148	64.3	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.541 ug/l

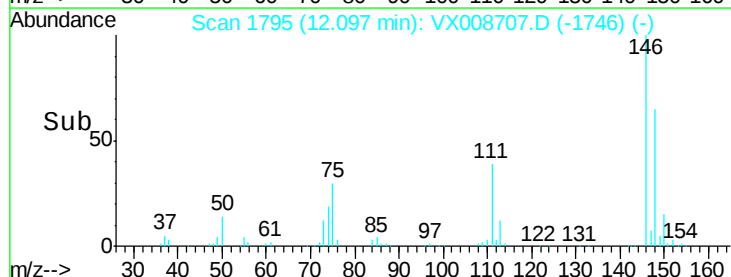
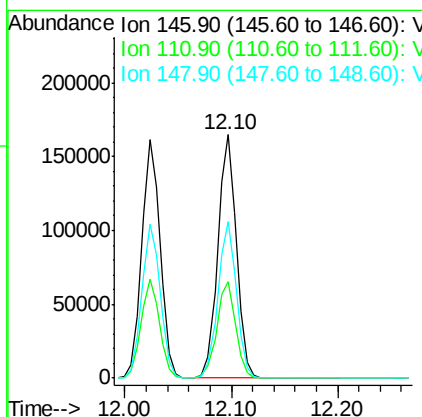
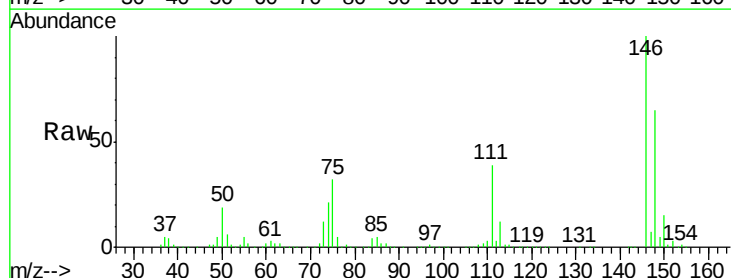
RT: 12.10 min Scan# 1795

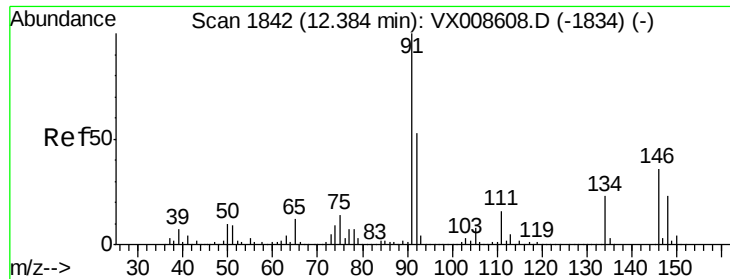
Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	146	Resp:	199214
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.2	60.6
148	64.0	32.0	96.0





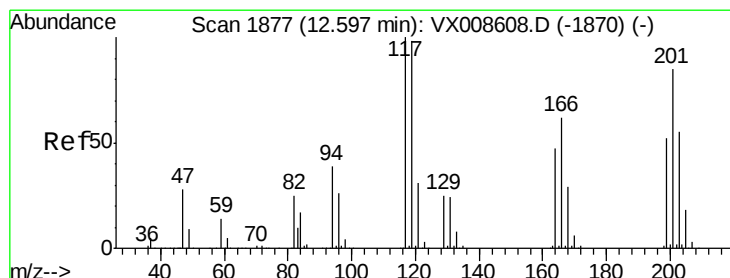
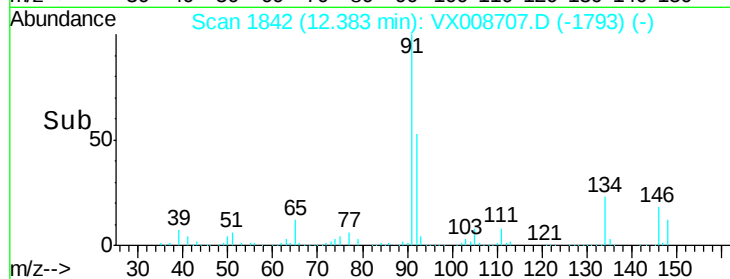
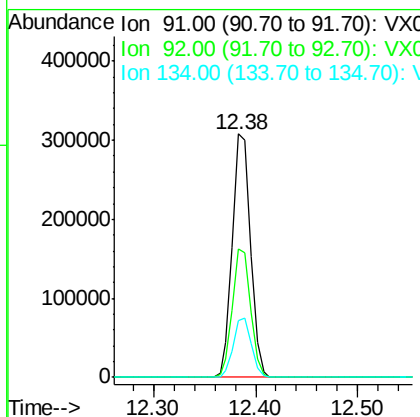
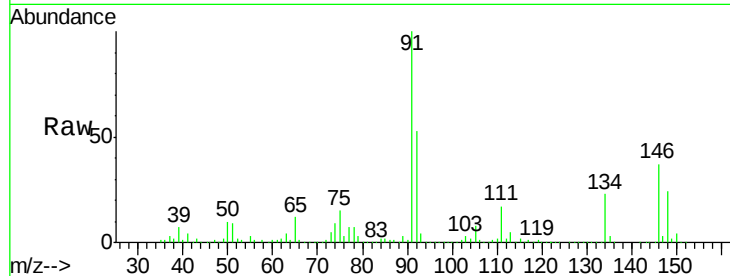
#89
n-Butylbenzene
Concen: 46.633 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 377949
Ion Ratio Lower Upper
91 100
92 52.5 26.4 79.2
134 24.0 12.0 36.0

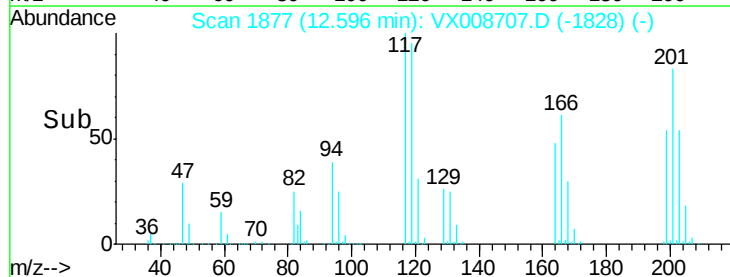
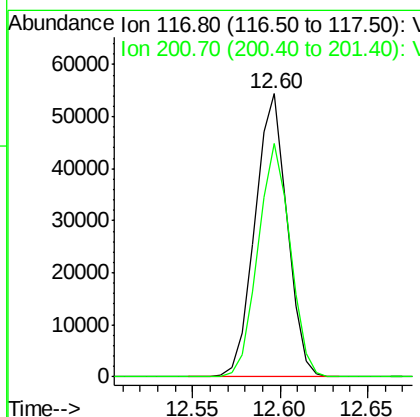
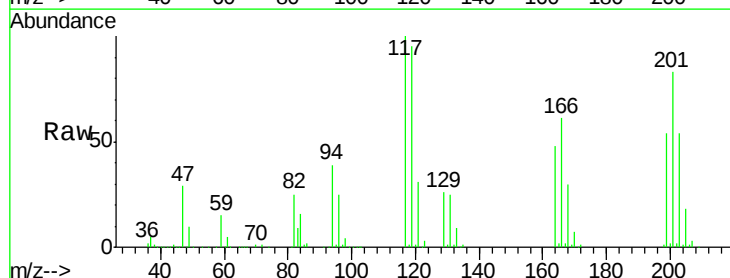
Manual Integrations
APPROVED

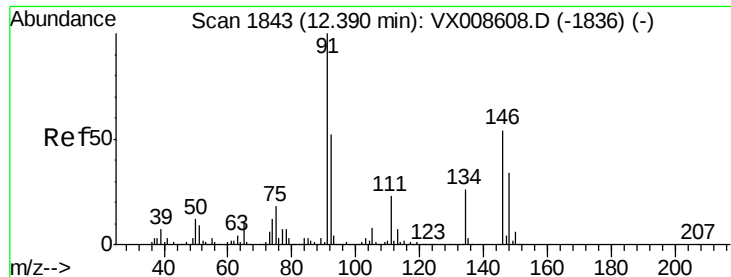
MMDadoda
4/8/2019 9:50:47 AM



#90
Hexachloroethane
Concen: 48.516 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008707.D
Acq: 06 Apr 2019 01:09

Tgt Ion: 117 Resp: 69541
Ion Ratio Lower Upper
117 100
201 82.4 40.6 122.0





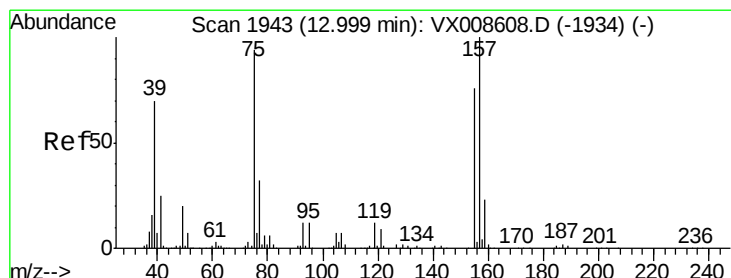
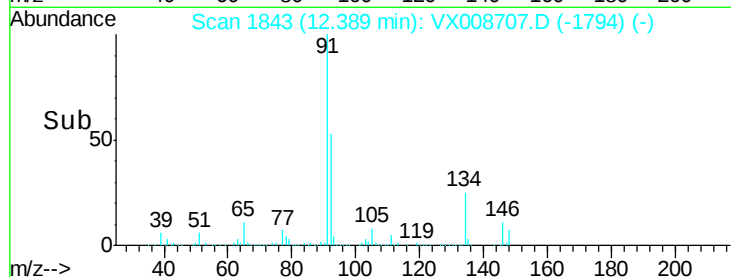
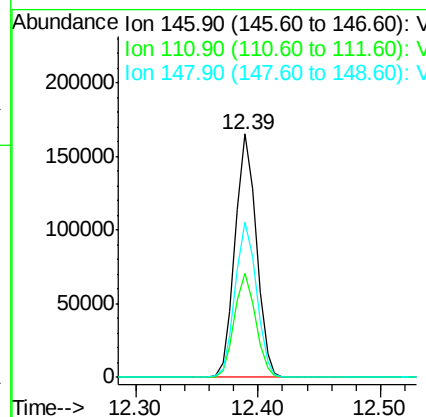
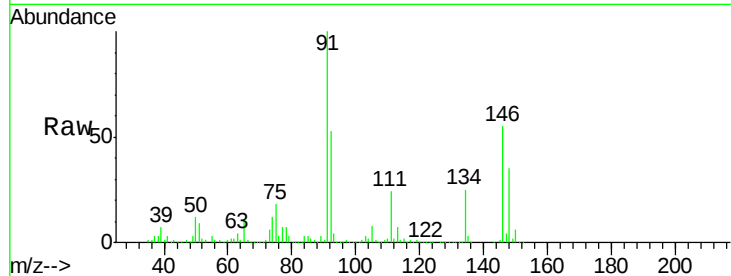
#91
 1,2-Dichlorobenzene
 Concen: 46.252 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	63.9	31.7	95.1

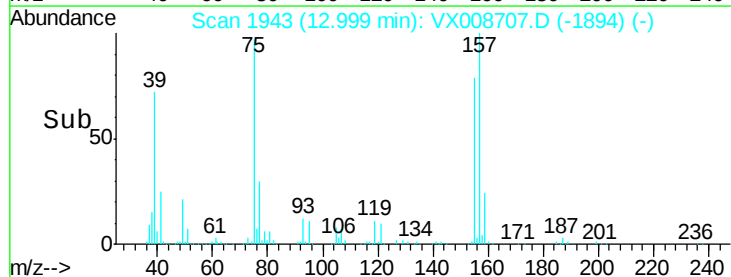
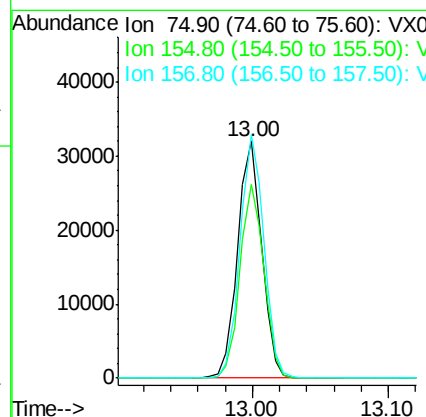
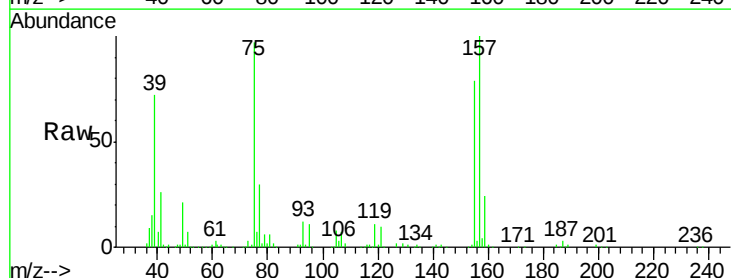
Manual Integrations
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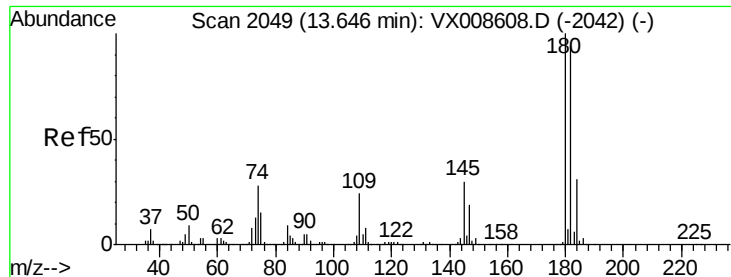
MMDadoda
 4/8/2019 9:50:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.025 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	39.9	119.6
157	101.3	51.5	154.7





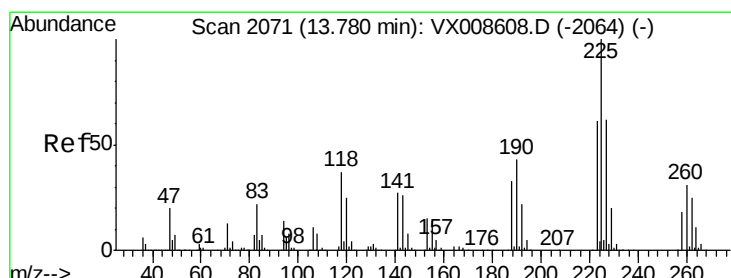
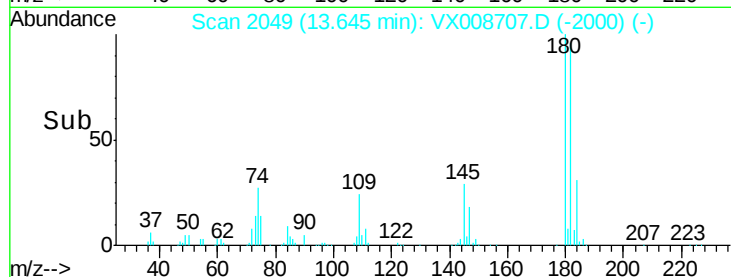
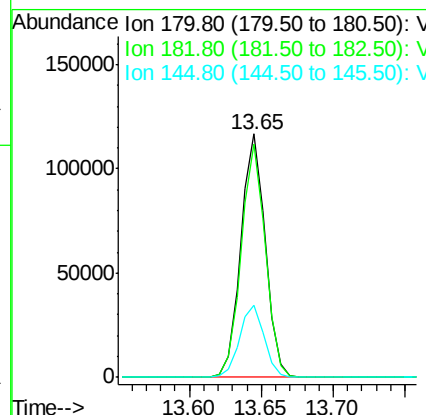
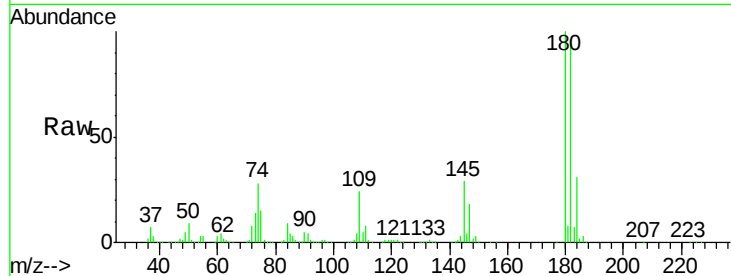
#93
 1,2,4-Trichlorobenzene
 Concen: 46.181 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	137719		
182	95.1	47.2	141.6	
145	30.0	15.3	45.9	

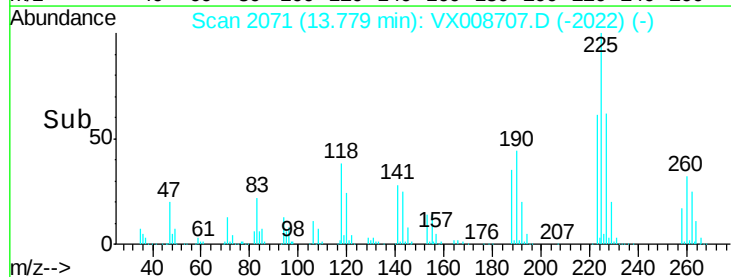
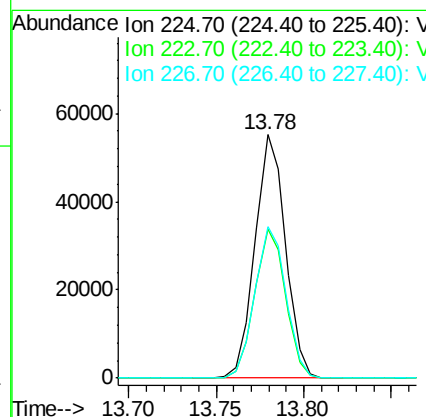
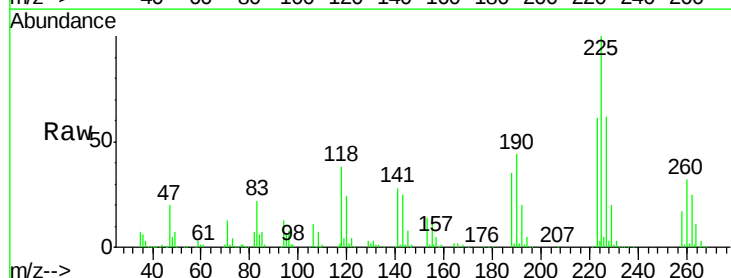
Manual Integrations
 APPROVED

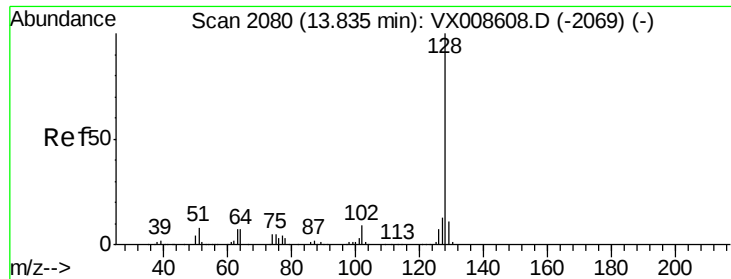
MMDadoda
 4/8/2019 9:50:47 AM



#94
 Hexachlorobutadiene
 Concen: 46.734 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008707.D
 Acq: 06 Apr 2019 01:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66839		
223	61.7	31.2	93.6	
227	63.8	31.9	95.5	





#95

Naphthalene

Concen: 47.880 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Instrument :

MSVOA_X

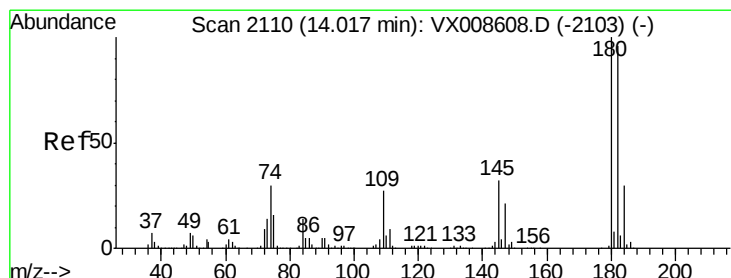
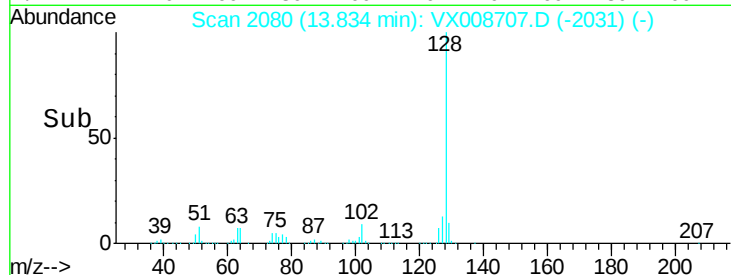
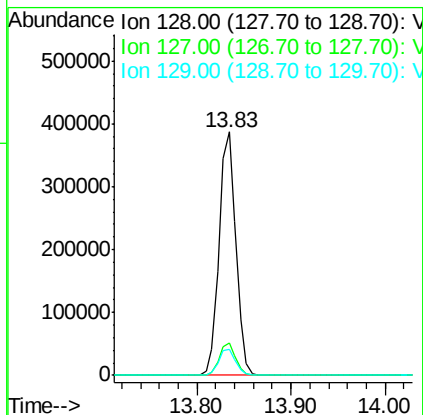
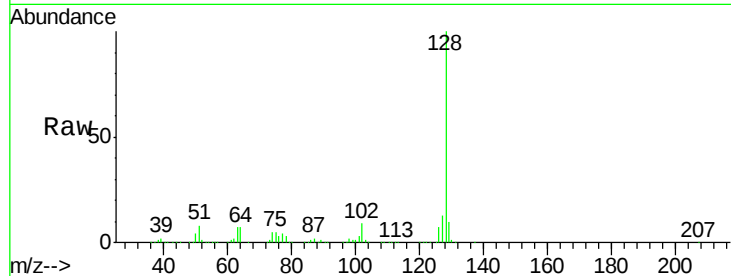
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	477226
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 46.295 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008707.D

Acq: 06 Apr 2019 01:09

Tgt Ion:	180	Resp:	137940
Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.3
145	31.4	16.3	48.8

