

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041819\
 Data File : VX009031.D
 Acq On : 18 Apr 2019 09:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 9:11:50 AM

Quant Time: Apr 19 04:23:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	232172	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	368018	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	324822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	155162	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
35) Dibromofluoromethane	5.49	113	116534	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	8.71	98	464118	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.13	95	164584	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	136847	51.174	ug/l	99
3) Chloromethane	1.32	50	158554	48.295	ug/l	96
4) Vinyl Chloride	1.41	62	151016	47.261	ug/l	99
5) Bromomethane	1.64	94	84272	42.723	ug/l	99
6) Chloroethane	1.71	64	88092	46.883	ug/l	99
7) Trichlorofluoromethane	1.92	101	174543	46.785	ug/l	99
8) Diethyl Ether	2.19	74	78363	45.929	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	107184	44.935	ug/l	99
10) Methyl Iodide	2.51	142	127057	48.831	ug/l	100
11) Tert butyl alcohol	3.05	59	159999	220.297	ug/l	100
12) 1,1-Dichloroethene	2.37	96	104943	42.150	ug/l	98
13) Acrolein	2.29	56	117843	187.785	ug/l	98
14) Allyl chloride	2.73	41	263911	48.585	ug/l	99
15) Acrylonitrile	3.14	53	425467	230.772	ug/l	100
16) Acetone	2.45	43	444566	262.008	ug/l	99
17) Carbon Disulfide	2.57	76	332589	45.572	ug/l	100
18) Methyl Acetate	2.77	43	191972	45.333	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	420342	47.382	ug/l	99
20) Methylene Chloride	2.85	84	132243	45.575	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	119375	44.952	ug/l	95
22) Diisopropyl ether	3.85	45	510767	48.390	ug/l	91
23) Vinyl Acetate	3.81	43	2272177	244.888	ug/l	99
24) 1,1-Dichloroethane	3.69	63	250183	47.217	ug/l	99
25) 2-Butanone	4.67	43	675085	248.910	ug/l	98
26) 2,2-Dichloropropane	4.58	77	189008	47.589	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	139002	46.101	ug/l	98
28) Bromochloromethane	5.01	49	115473	52.568	ug/l	99
29) Tetrahydrofuran	5.12	42	413059	227.543	ug/l	99
30) Chloroform	5.21	83	223008	47.034	ug/l	99
31) Cyclohexane	5.57	56	249993	47.970	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	186757	47.524	ug/l	99
36) 1,1-Dichloropropene	5.79	75	178149	46.806	ug/l	99
37) Ethyl Acetate	4.83	43	240316	49.068	ug/l	100
38) Carbon Tetrachloride	5.78	117	157053	48.673	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	229176	49.454	ug/l	97
40) Benzene	6.14	78	536368	47.769	ug/l	99
41) Methacrylonitrile	5.04	41	136176	48.446	ug/l	99
42) 1,2-Dichloroethane	6.19	62	190710	47.947	ug/l	99
43) Isopropyl Acetate	6.44	43	384629	48.734	ug/l	100
44) Trichloroethene	7.21	130	130581	47.464	ug/l	98
45) 1,2-Dichloropropane	7.51	63	152943	49.099	ug/l	97
46) Dibromomethane	7.66	93	86109	47.499	ug/l	100
47) Bromodichloromethane	7.90	83	172696	48.569	ug/l	98
48) Methyl methacrylate	7.77	41	193483	49.614	ug/l	99
49) 1,4-Dioxane	7.74	88	65581	898.478	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1204203	239.494	ug/l	99
52) Toluene	8.78	92	323131	48.019	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	204113	49.880	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	225302	49.171	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	129902	48.707	ug/l	99
56) Ethyl methacrylate	9.18	69	237648	49.694	ug/l	100
57) 1,3-Dichloropropane	9.37	76	232417	48.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	674275	261.831	ug/l	99
59) 2-Hexanone	9.49	43	945236	243.834	ug/l	100
60) Dibromochloromethane	9.58	129	130397	51.014	ug/l	99
61) 1,2-Dibromoethane	9.67	107	132770	48.234	ug/l	99
64) Tetrachloroethene	9.34	164	119745	48.527	ug/l	98
65) Chlorobenzene	10.13	112	331246	48.314	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	118767	49.173	ug/l	100
67) Ethyl Benzene	10.25	91	620225	49.486	ug/l	100
68) m/p-Xylenes	10.36	106	445245	97.751	ug/l	98
69) o-Xylene	10.69	106	217295	49.029	ug/l	99
70) Styrene	10.71	104	381177	49.631	ug/l	100
71) Bromoform	10.85	173	93765	48.728	ug/l #	99
73) Isopropylbenzene	11.02	105	587648	50.076	ug/l	99
74) N-amyl acetate	10.90	43	324967	48.228	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	197369	46.030	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	176530m	46.696	ug/l	
77) Bromobenzene	11.26	156	138806	46.880	ug/l	98
78) n-propylbenzene	11.36	91	687757	51.061	ug/l	99
79) 2-Chlorotoluene	11.42	91	398161	49.055	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	496053	50.373	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	70838	48.106	ug/l	97
82) 4-Chlorotoluene	11.51	91	465201	49.350	ug/l	100
83) tert-Butylbenzene	11.77	119	466517	49.343	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	497476	49.628	ug/l	99
85) sec-Butylbenzene	11.94	105	574764	50.971	ug/l	100
86) p-Isopropyltoluene	12.06	119	519954	50.154	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	249225	48.092	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	247011	47.021	ug/l	100
89) n-Butylbenzene	12.38	91	498015	51.581	ug/l	100
90) Hexachloroethane	12.60	117	87143	50.958	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	241432	47.180	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43362	44.416	ug/l	100

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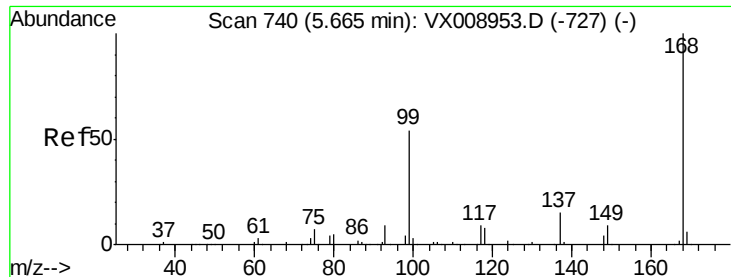
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	180034	48.737	ug/l	100
94) Hexachlorobutadiene	13.78	225	91524	49.677	ug/l	100
95) Naphthalene	13.83	128	557213	47.082	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	177317	48.650	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

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Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 232172

Ion Ratio Lower Upper

168 100

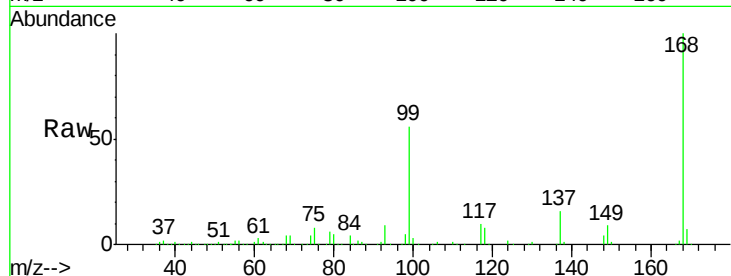
99 55.6 43.0 64.6

Manual Integrations

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4/19/2019 9:11:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

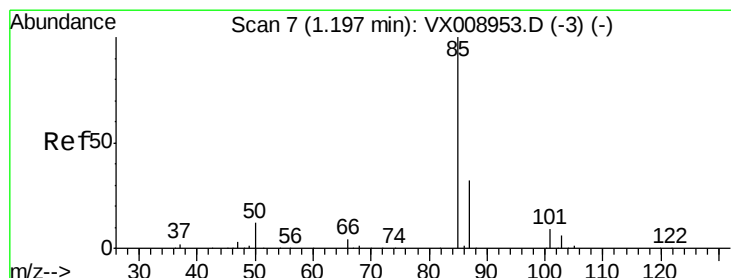
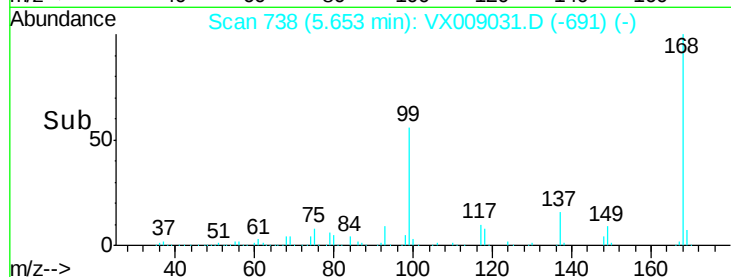
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.174 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009031.D

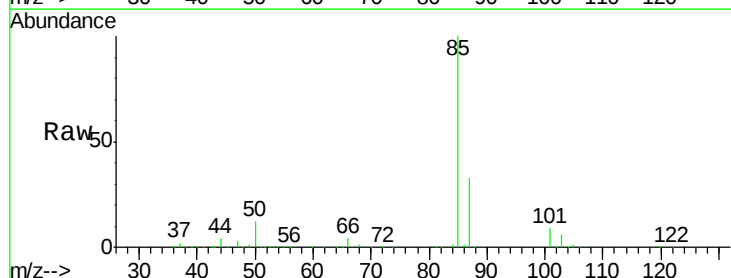
Acq: 18 Apr 2019 09:48

Tgt Ion: 85 Resp: 136847

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

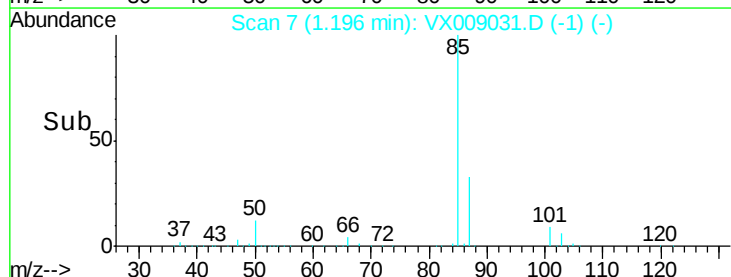
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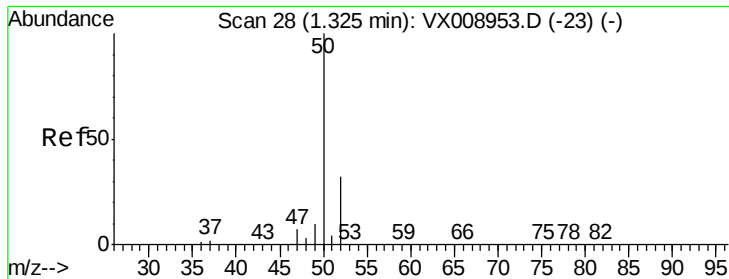
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1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 48.295 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 158554

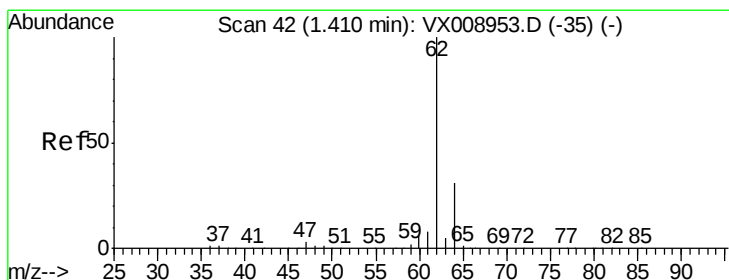
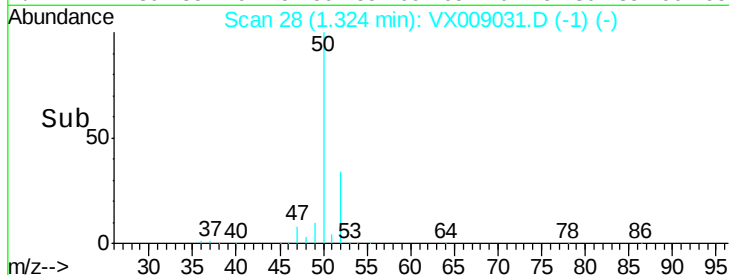
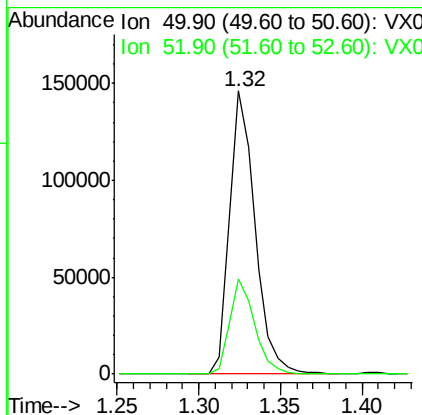
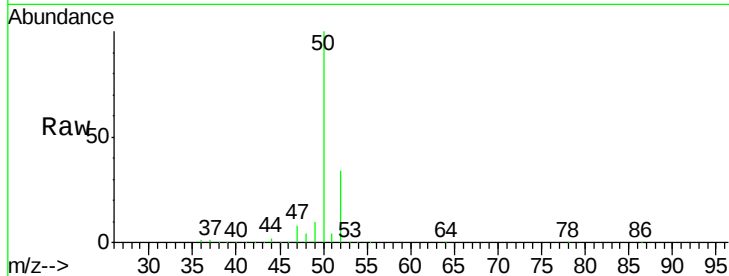
Ion Ratio Lower Upper

50 100

52 33.9 25.5 38.3

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#4

Vinyl Chloride

Concen: 47.261 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009031.D

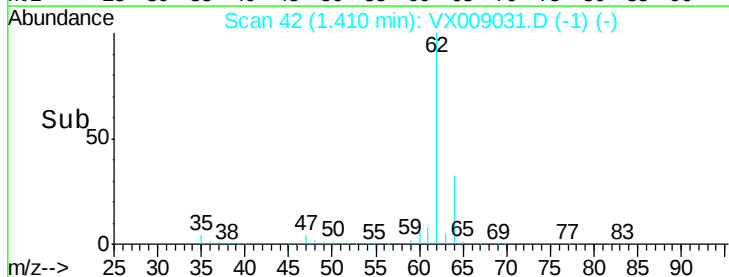
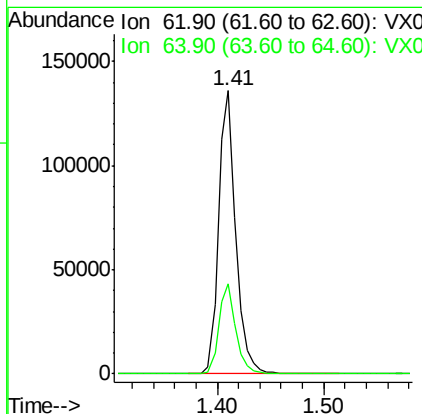
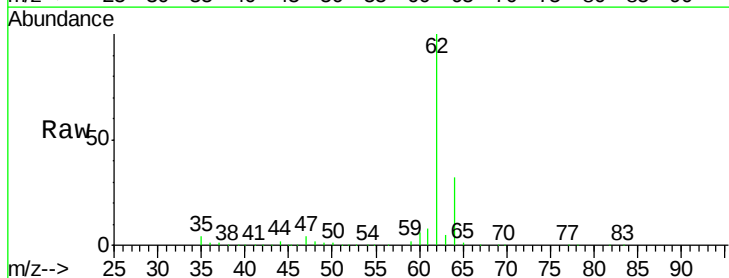
Acq: 18 Apr 2019 09:48

Tgt Ion: 62 Resp: 151016

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 42.723 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 84272

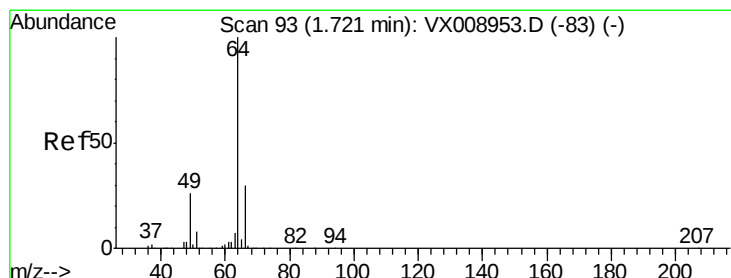
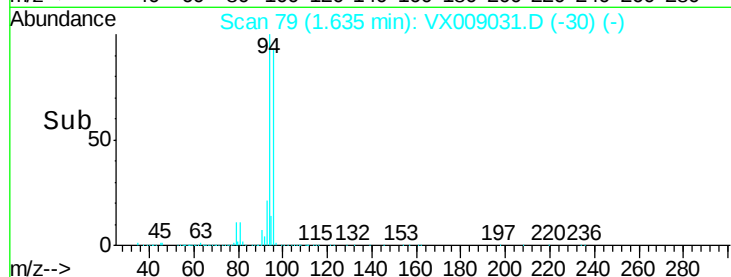
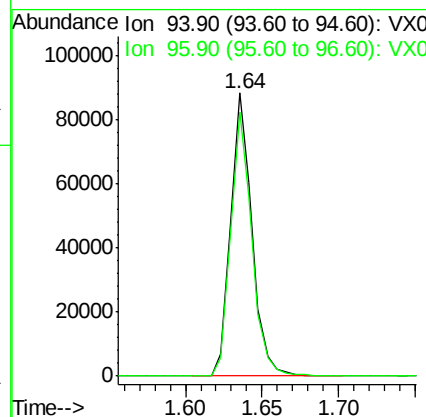
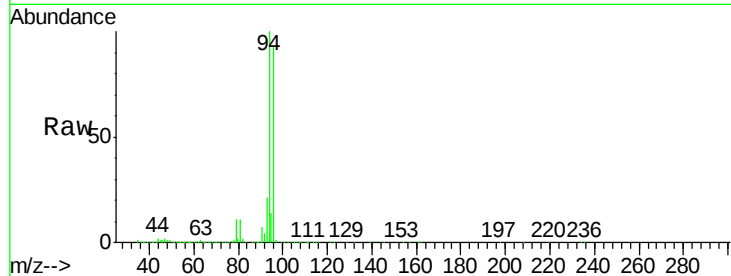
Ion Ratio Lower Upper

94 100

96 93.2 73.9 110.9

Manual Integrations
APPROVED

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4/19/2019 9:11:50 AM



#6

Chloroethane

Concen: 46.883 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009031.D

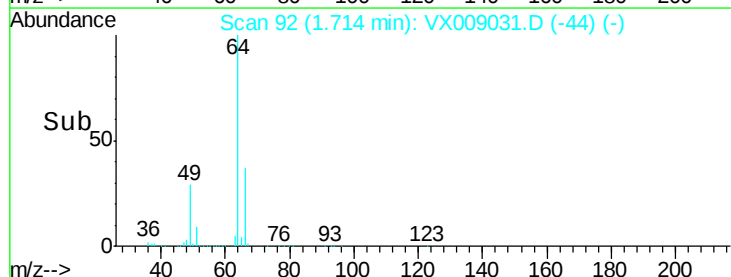
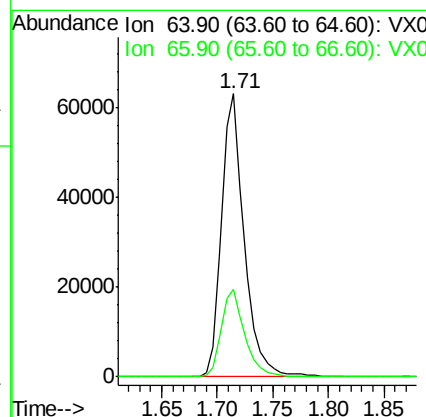
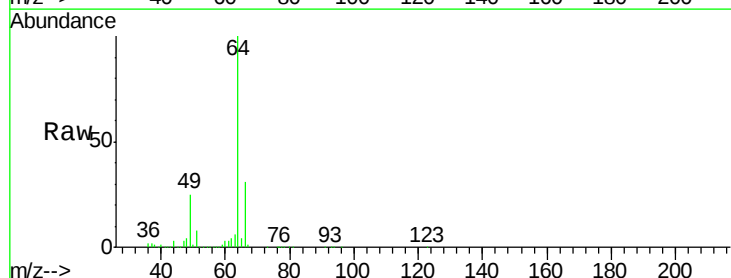
Acq: 18 Apr 2019 09:48

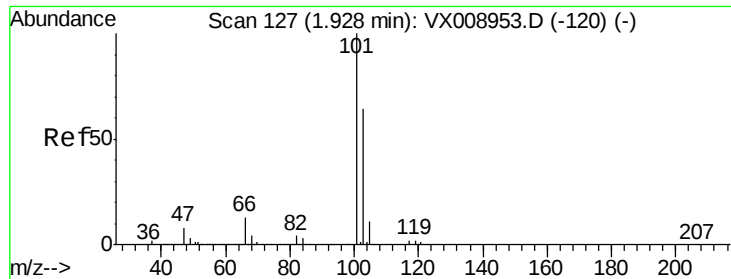
Tgt Ion: 64 Resp: 88092

Ion Ratio Lower Upper

64 100

66 31.0 24.2 36.2





#7

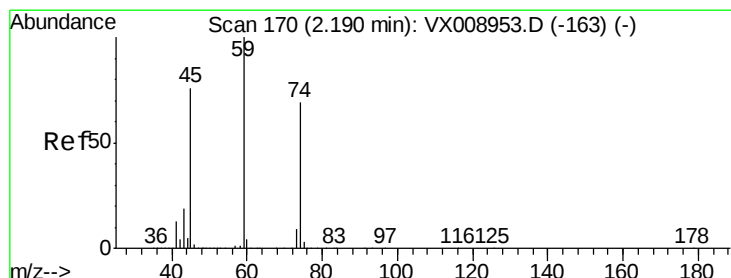
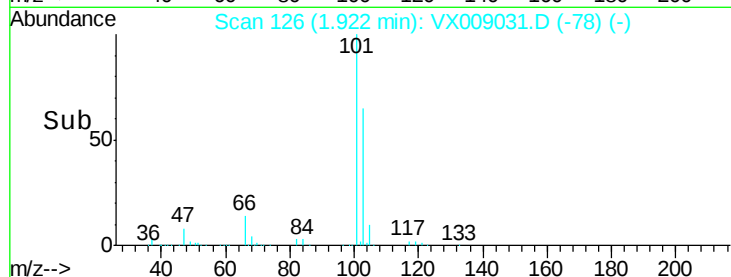
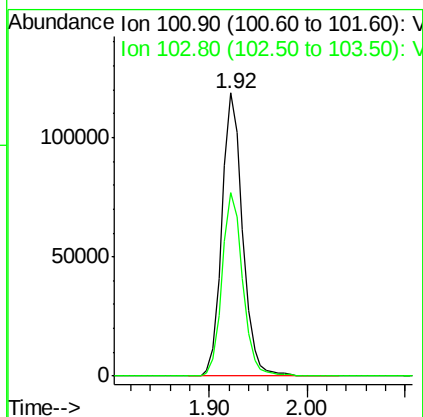
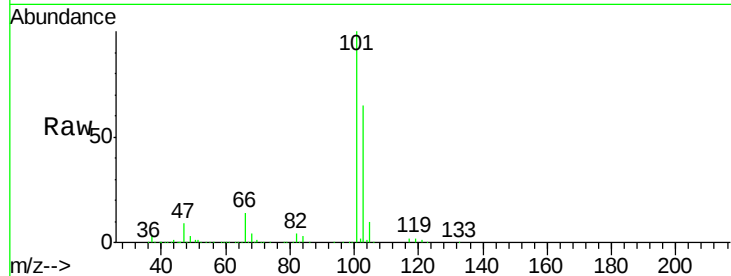
Trichlorofluoromethane
Concen: 46.785 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.6

Manual Integrations
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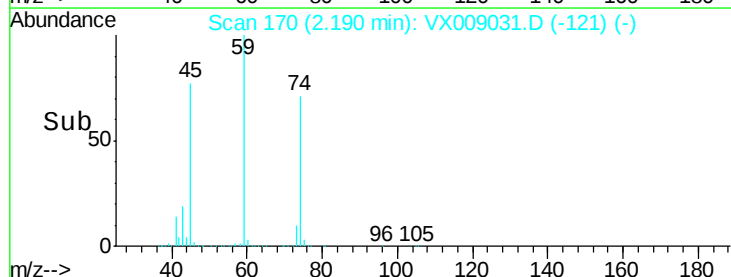
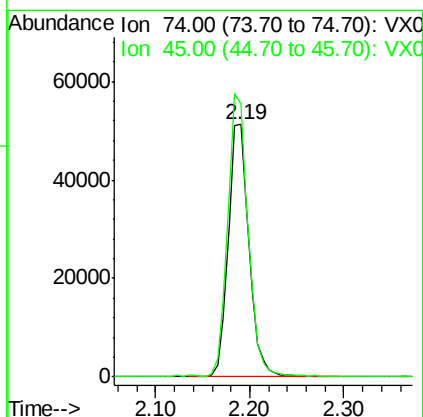
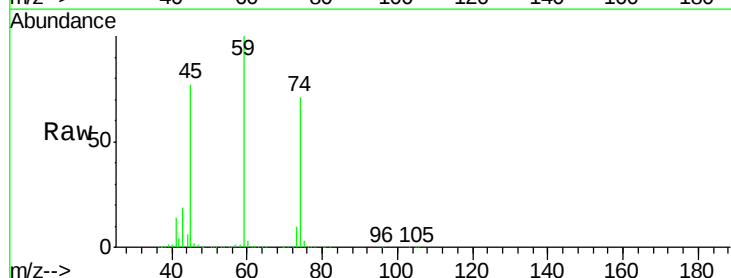
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4/19/2019 9:11:50 AM



#8

Diethyl Ether
Concen: 45.929 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.7	54.9	164.8





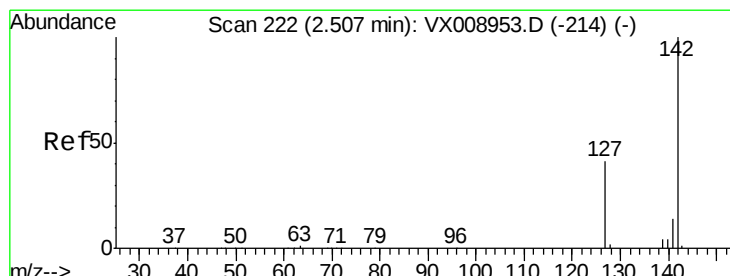
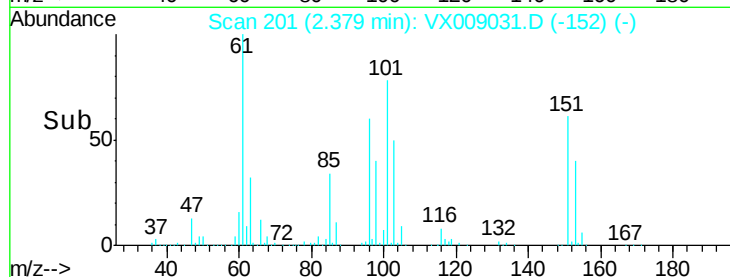
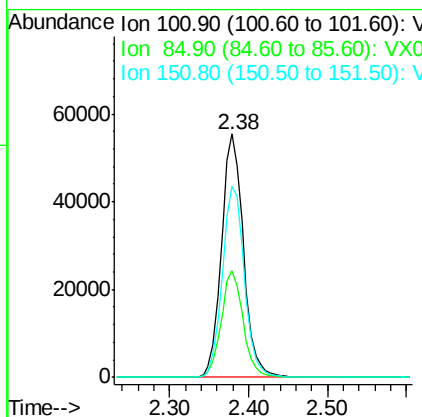
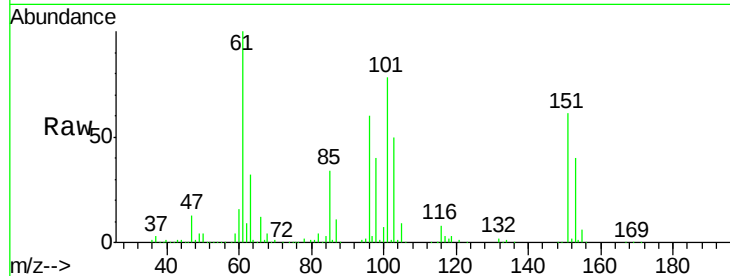
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.935 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.00 min
 Lab File: VX009031.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	107184		
85	43.4	35.7	53.5	
151	78.9	62.7	94.1	

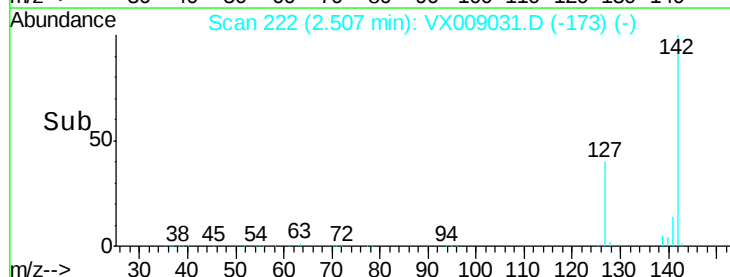
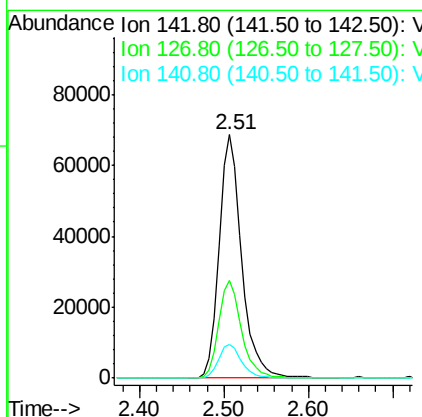
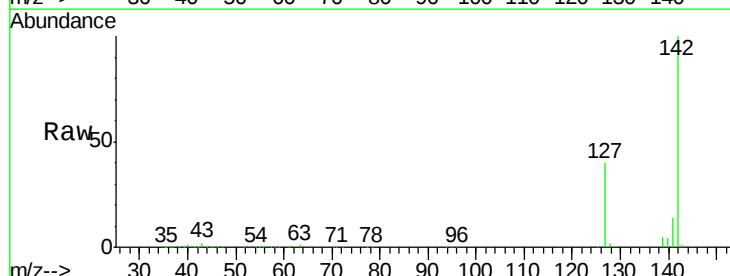
Manual Integrations
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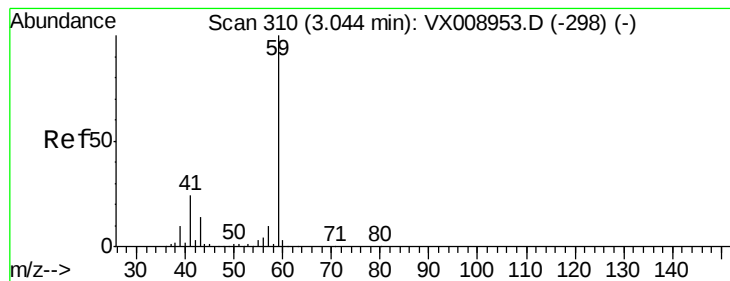
MMDadoda
 4/19/2019 9:11:50 AM



#10
 Methyl Iodide
 Concen: 48.831 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	127057		
127	40.6	32.8	49.2	
141	14.3	11.4	17.2	





#11

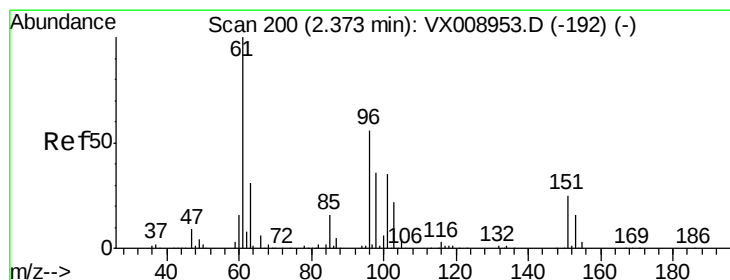
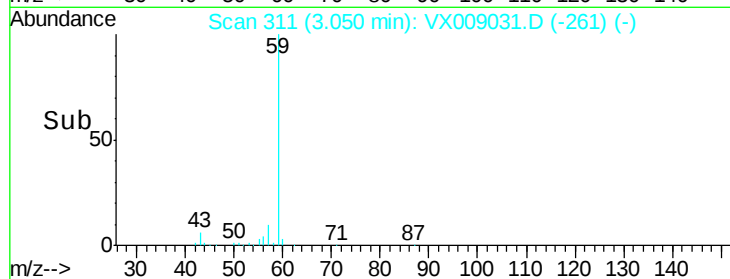
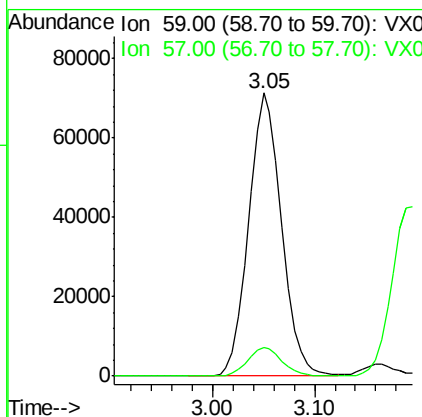
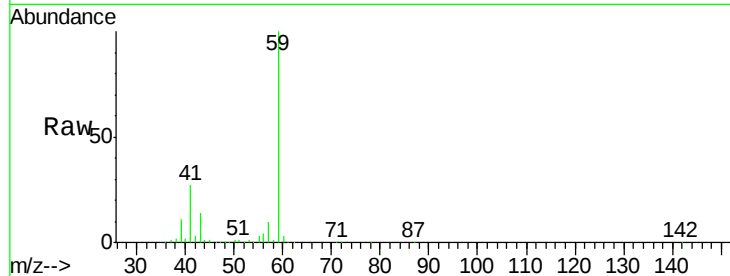
Tert butyl alcohol
 Concen: 220.297 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	159999
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

Manual Integrations
 APPROVED

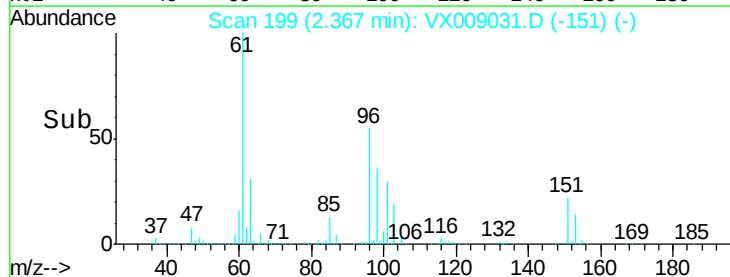
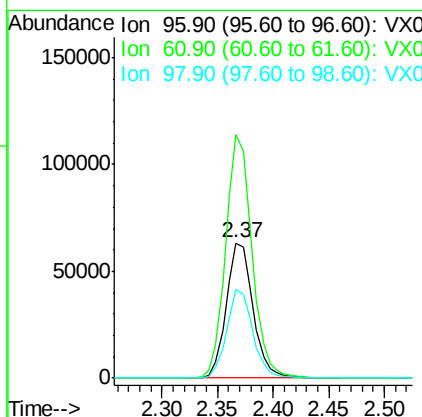
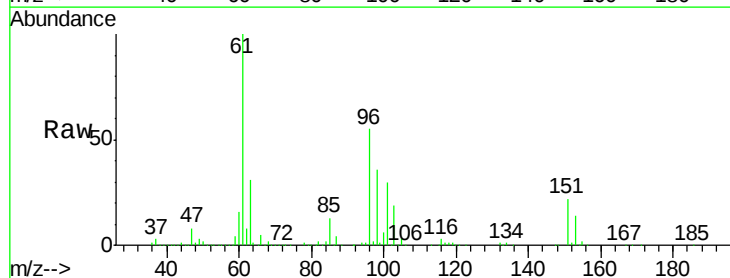
MMDadoda
 4/19/2019 9:11:50 AM

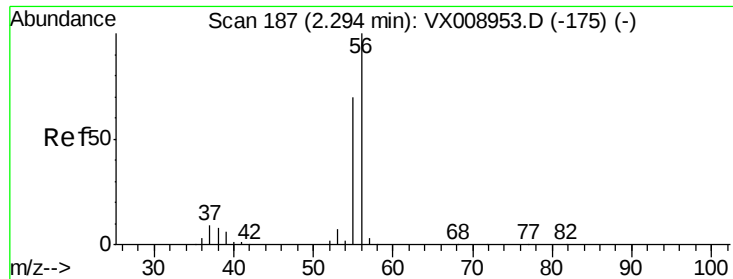


#12

1,1-Dichloroethene
 Concen: 42.150 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion	96	Resp	104943
Ion Ratio	100	Lower	Upper
61	180.3	142.2	213.2
98	65.3	50.9	76.3





#13

Acrolein

Concen: 187.785 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 117843

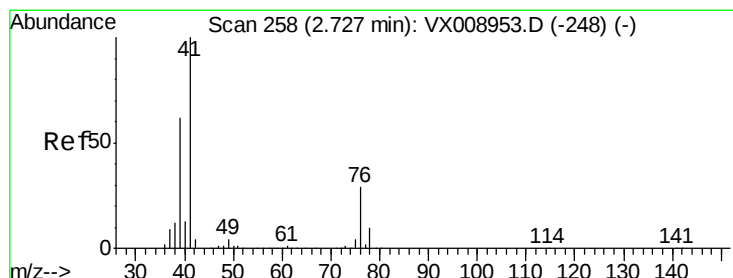
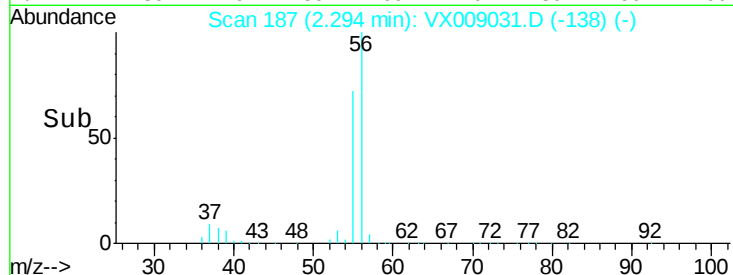
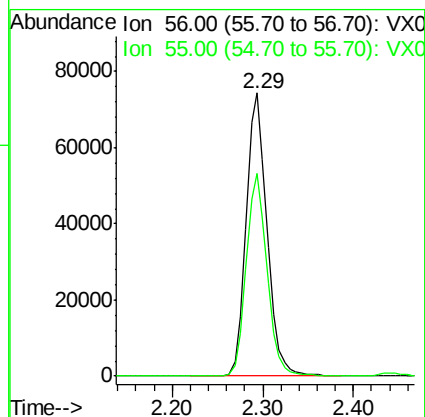
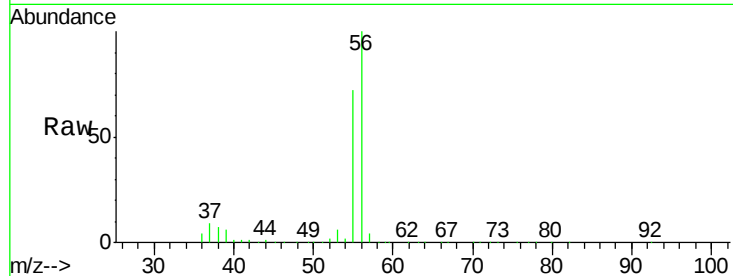
Ion Ratio Lower Upper

56 100

55 72.4 56.6 84.8

Manual Integrations
APPROVED

MMDadoda
4/19/2019 9:11:50 AM



#14

Allyl chloride

Concen: 48.585 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

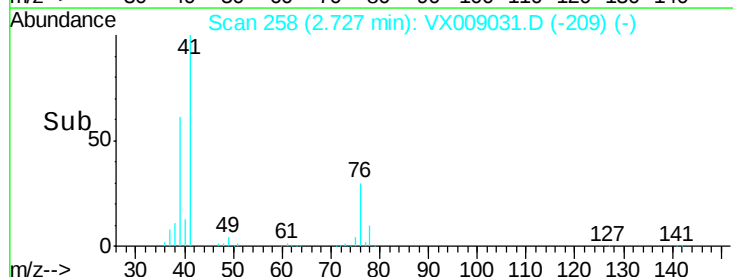
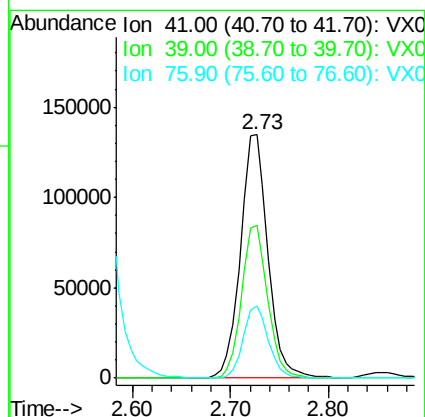
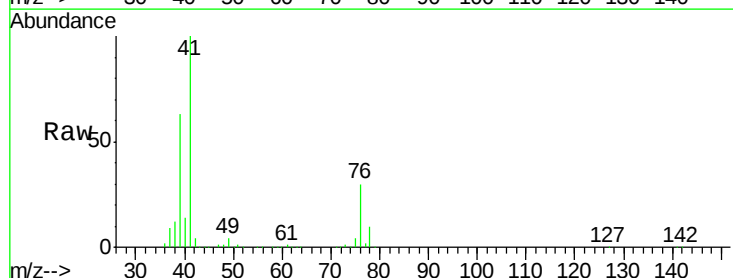
Tgt Ion: 41 Resp: 263911

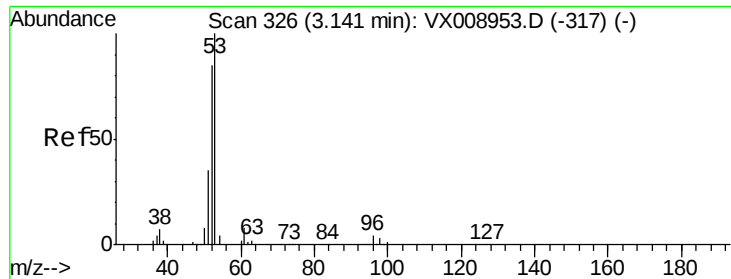
Ion Ratio Lower Upper

41 100

39 59.6 46.7 70.1

76 27.1 22.0 33.0





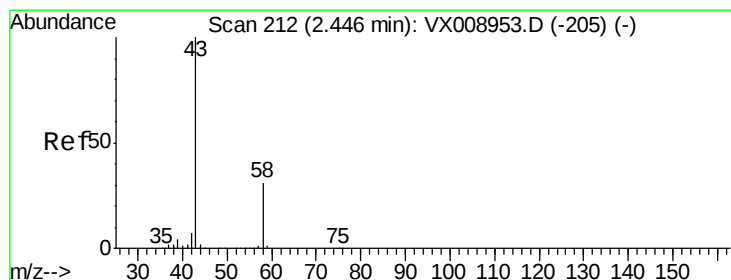
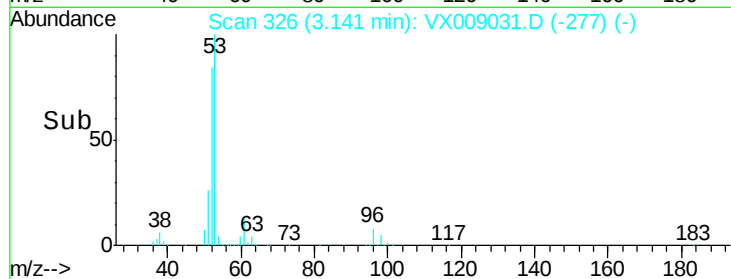
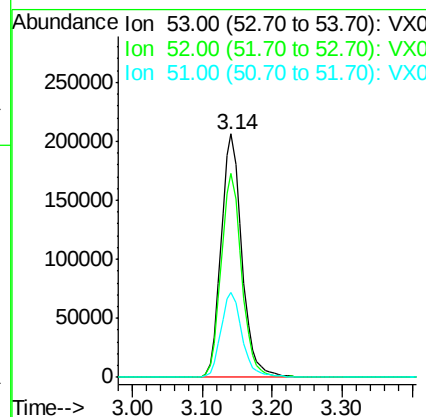
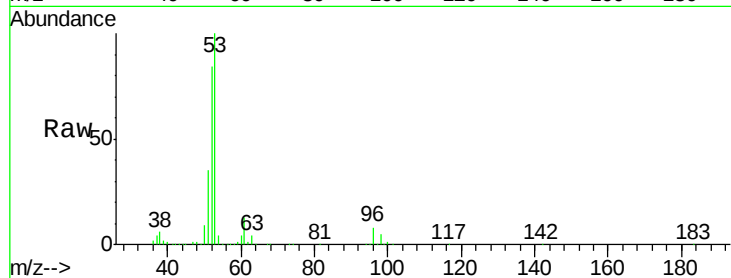
#15
 Acrylonitrile
 Concen: 230.772 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	35.6	28.3	42.5

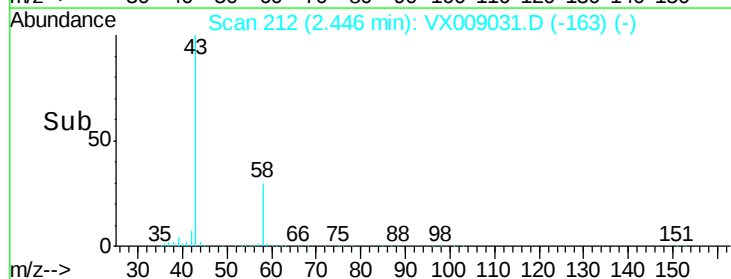
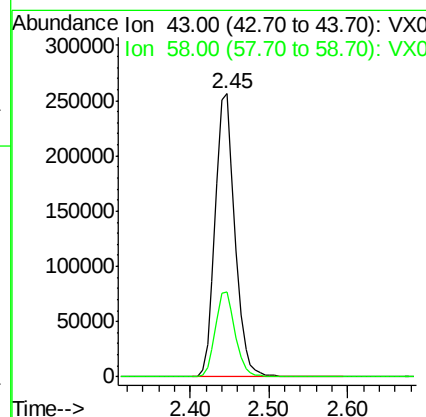
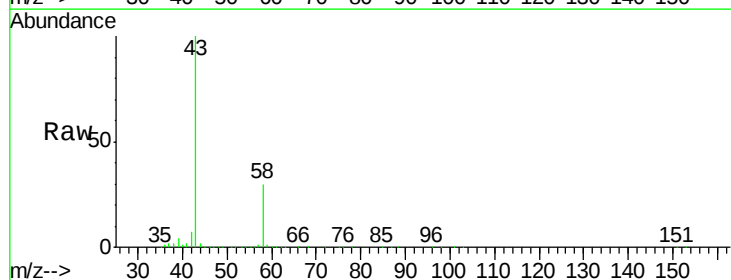
Manual Integrations
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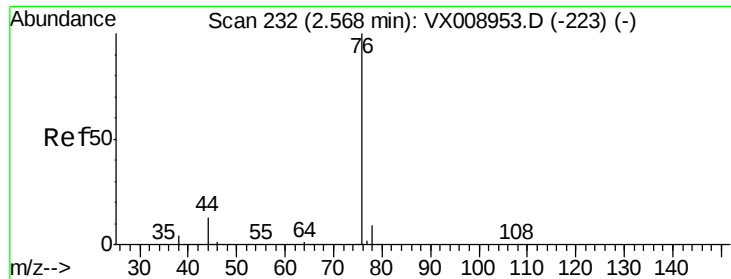
MMDadoda
 4/19/2019 9:11:50 AM



#16
 Acetone
 Concen: 262.008 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.8	37.2





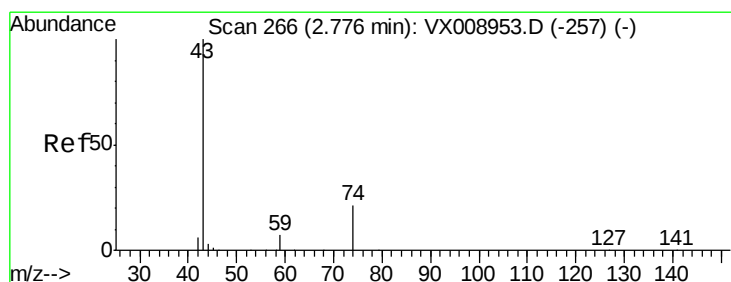
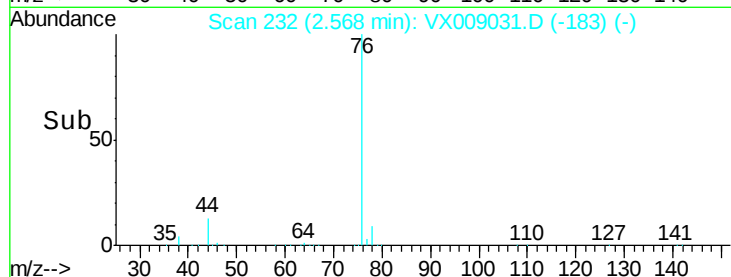
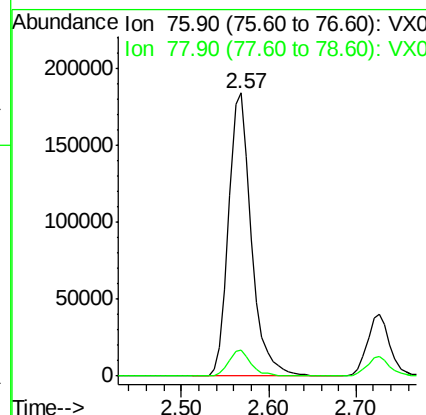
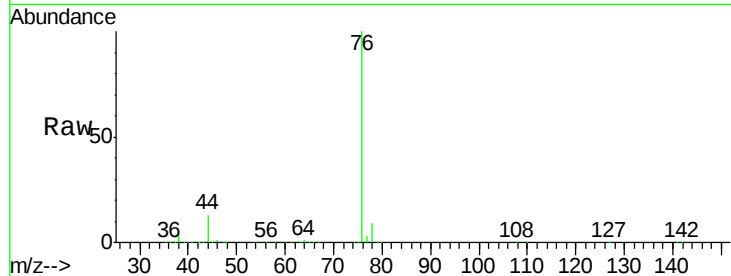
#17
Carbon Disulfide
Concen: 45.572 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

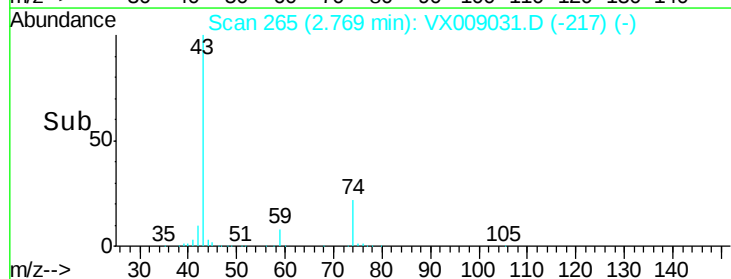
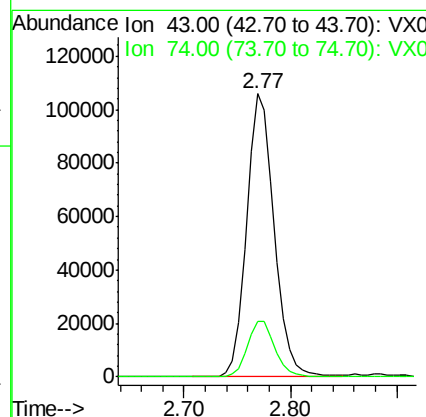
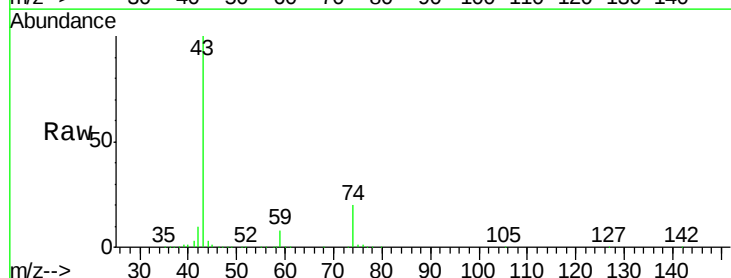
Manual Integrations
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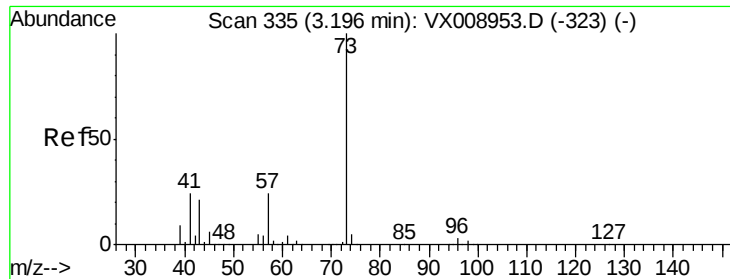
MMDadoda
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#18
Methyl Acetate
Concen: 45.333 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.6	25.0





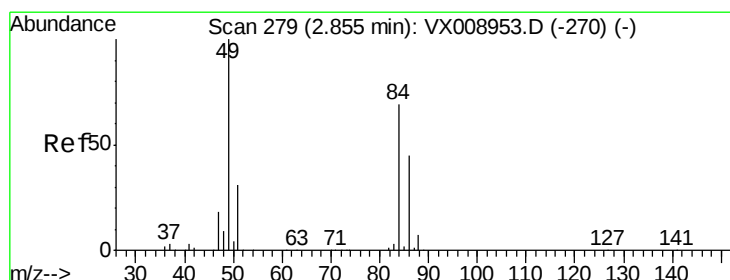
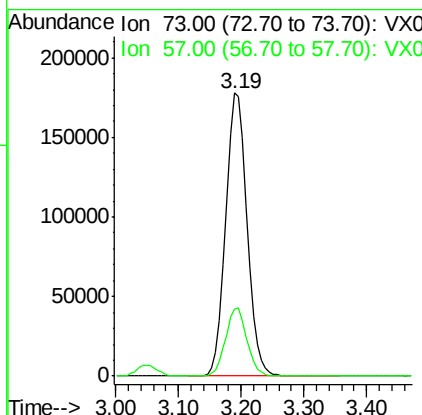
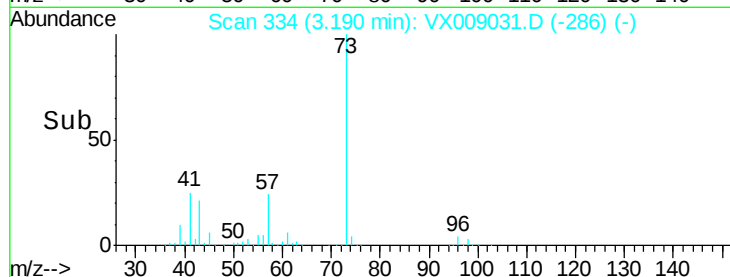
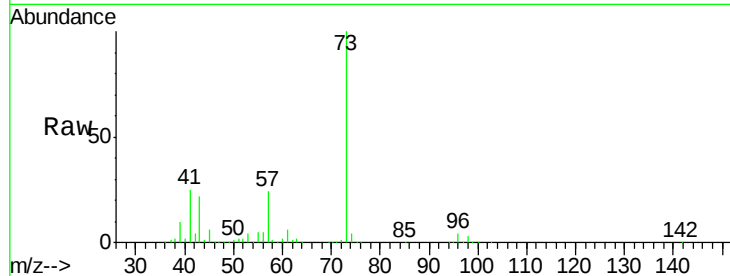
#19
Methyl tert-butyl Ether
Concen: 47.382 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 420342
Ion Ratio Lower Upper
73 100
57 23.7 19.2 28.8

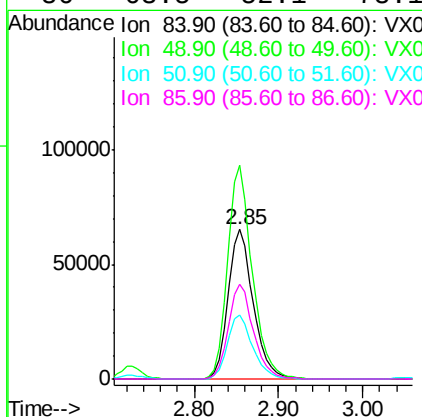
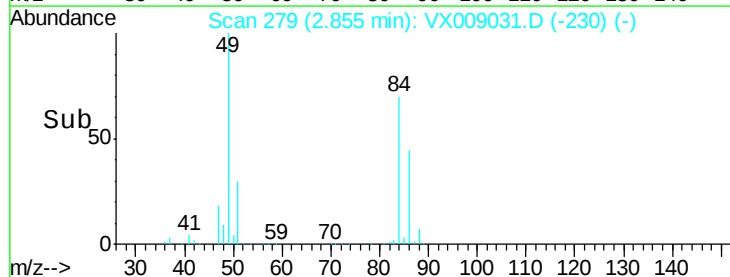
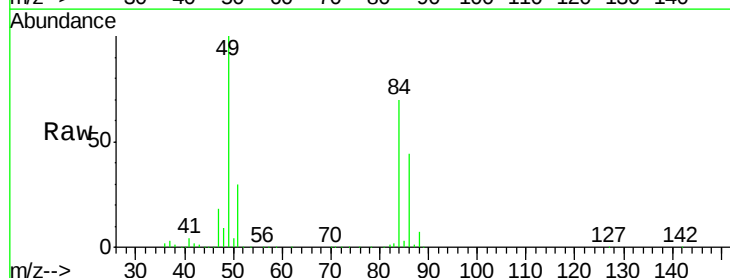
Manual Integrations
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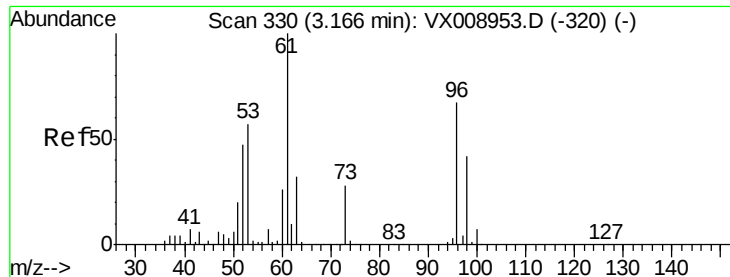
MMDadoda
4/19/2019 9:11:50 AM



#20
Methylene Chloride
Concen: 45.575 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion: 84 Resp: 132243
Ion Ratio Lower Upper
84 100
49 142.8 115.4 173.0
51 42.7 35.8 53.6
86 63.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 44.952 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 119375

Ion Ratio Lower Upper

96 100

61 158.1 120.3 180.5

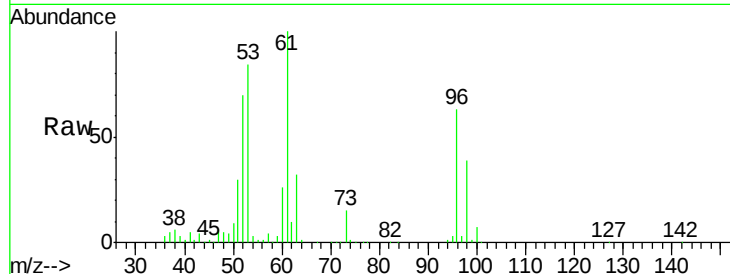
98 61.6 50.2 75.2

Manual Integrations

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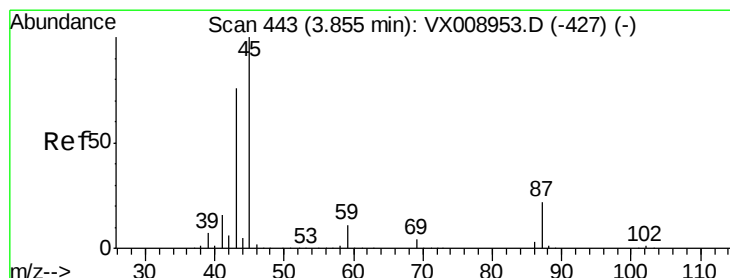
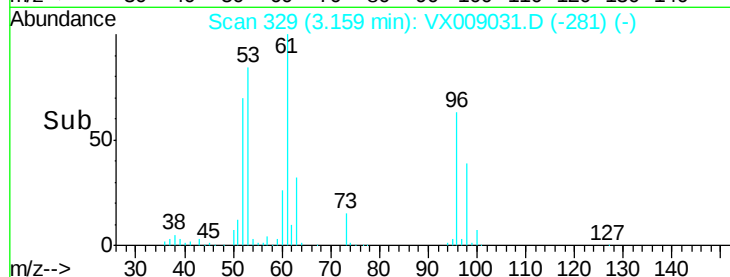
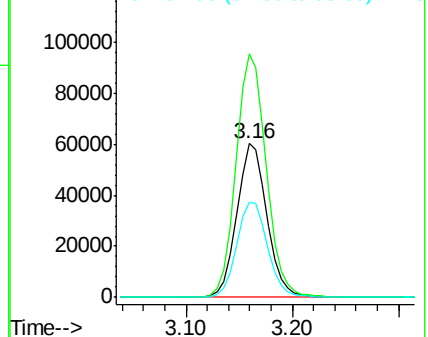


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.390 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tgt Ion: 45 Resp: 510767

Ion Ratio Lower Upper

45 100

43 64.6 60.6 91.0

87 22.8 17.8 26.8

59 10.5 8.7 13.1

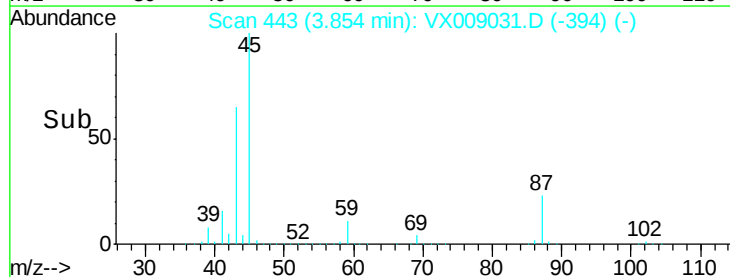
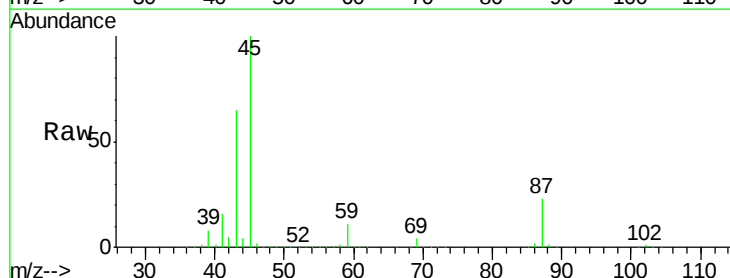
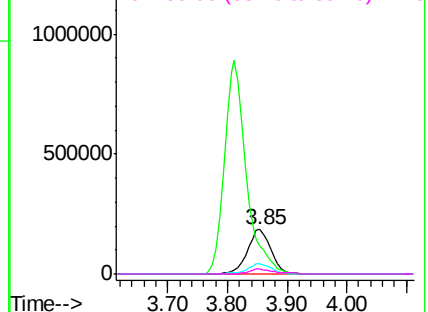
Abundance

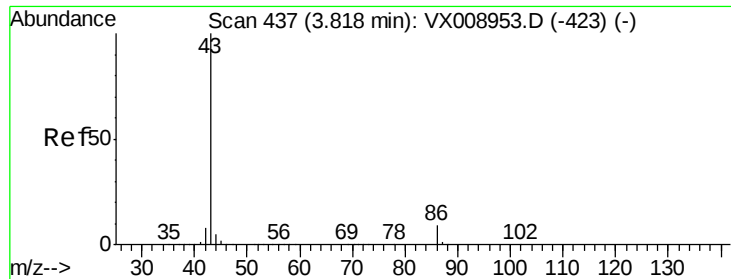
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 244.888 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2272177

Ion Ratio Lower Upper

43 100

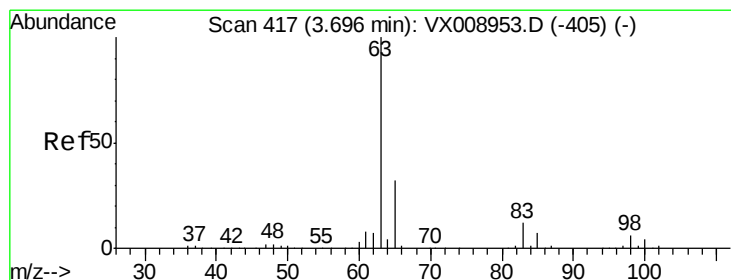
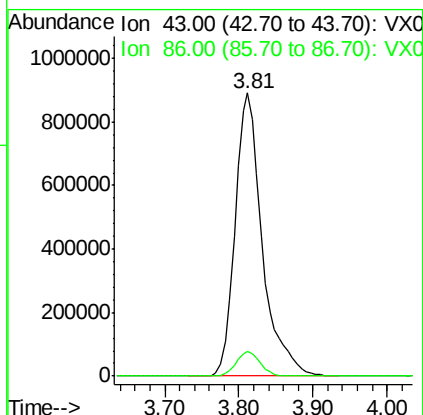
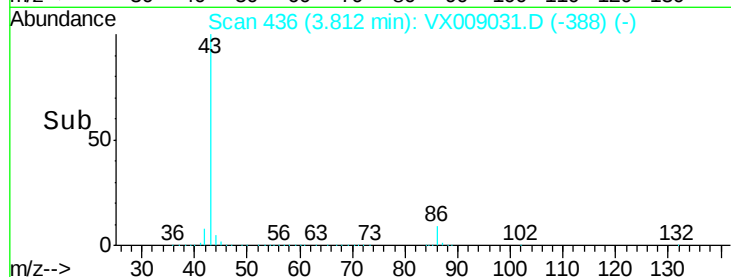
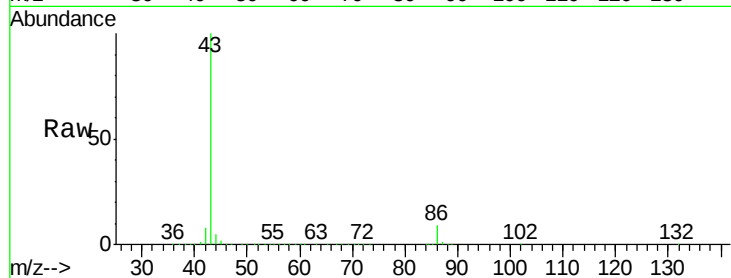
86 8.6 7.1 10.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.217 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

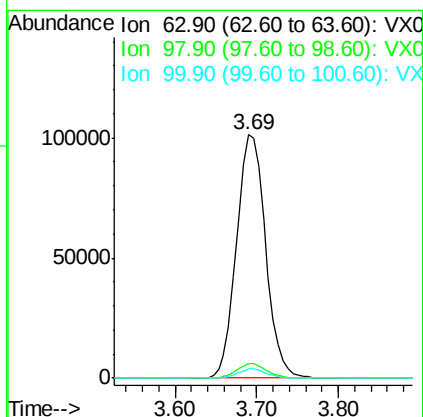
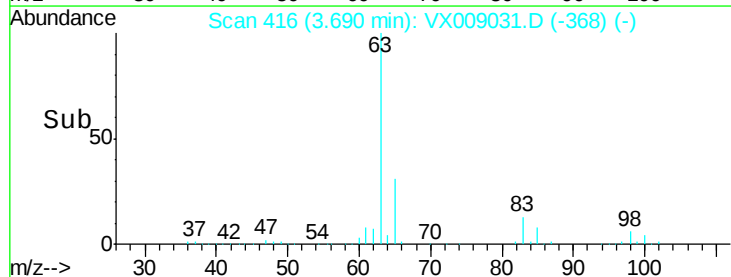
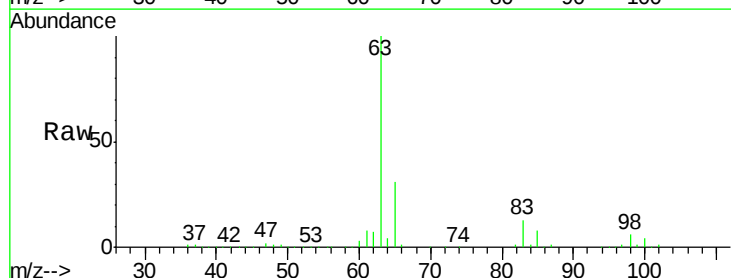
Tgt Ion: 63 Resp: 250183

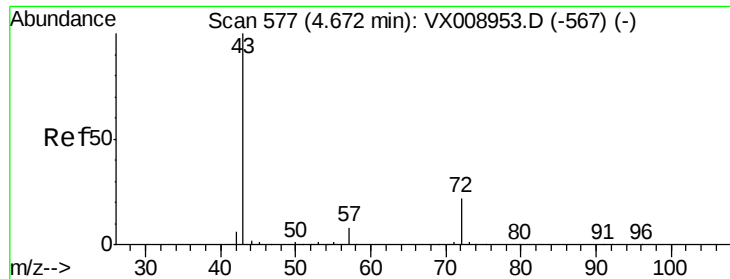
Ion Ratio Lower Upper

63 100

98 5.8 3.1 9.3

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 248.910 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 675085

Ion Ratio Lower Upper

43 100

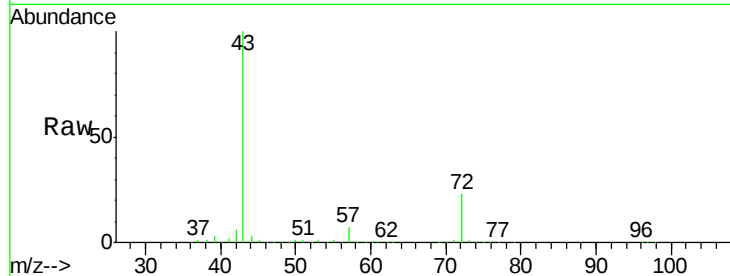
72 22.6 17.5 26.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

0

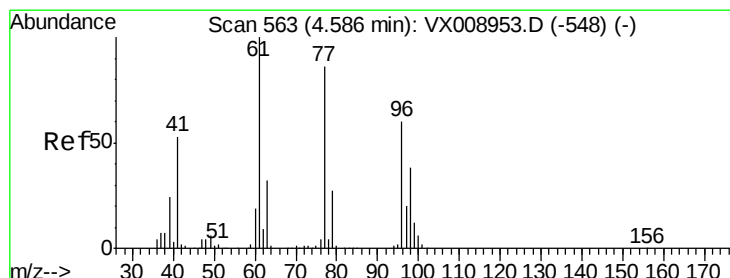
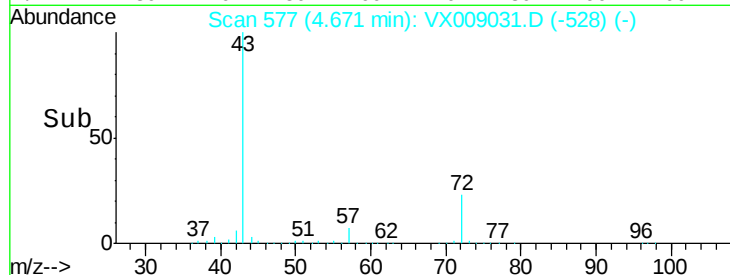
4.67

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 47.589 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009031.D

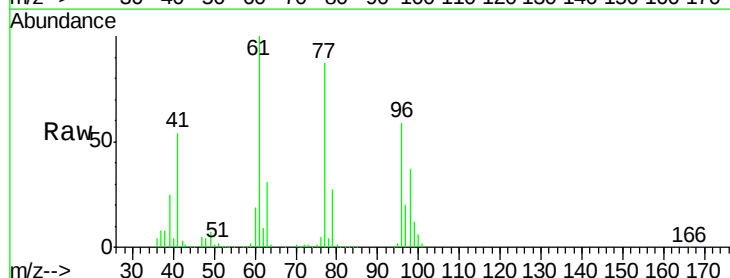
Acq: 18 Apr 2019 09:48

Tgt Ion: 77 Resp: 189008

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

40000

20000

0

4.58

4.40

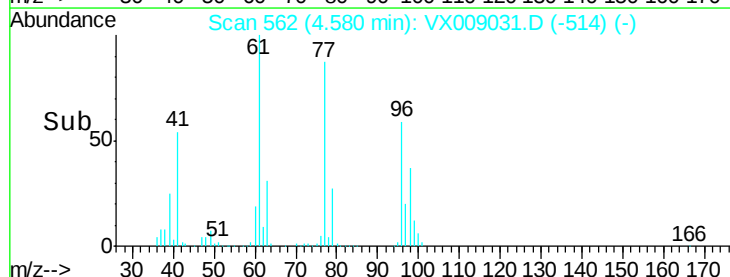
4.50

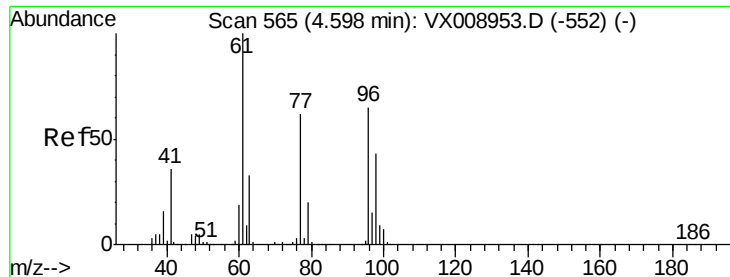
4.60

4.70

4.80

Time-->





#27

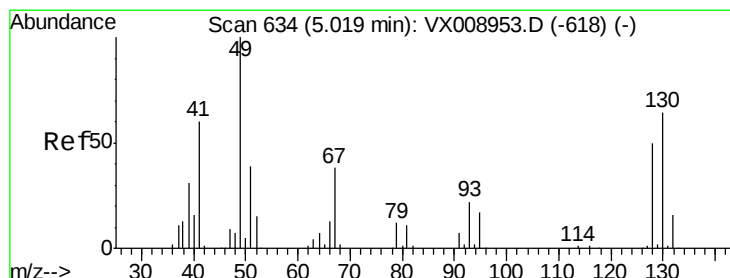
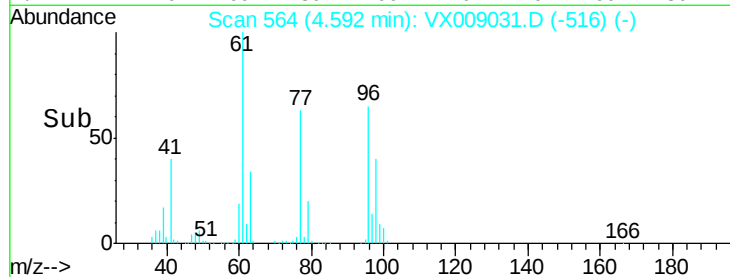
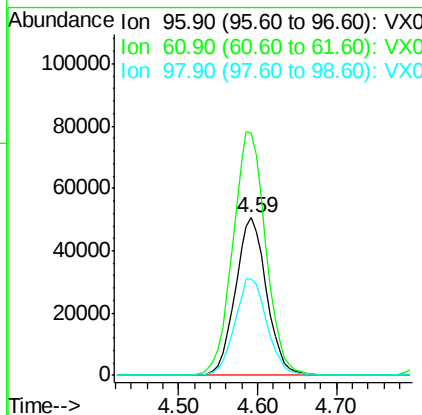
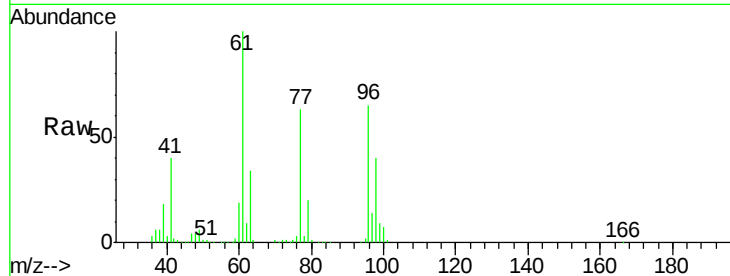
cis-1,2-Dichloroethene
Concen: 46.101 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139002		
61	163.5	0.0	322.0	
98	63.5	0.0	128.4	

Manual Integrations
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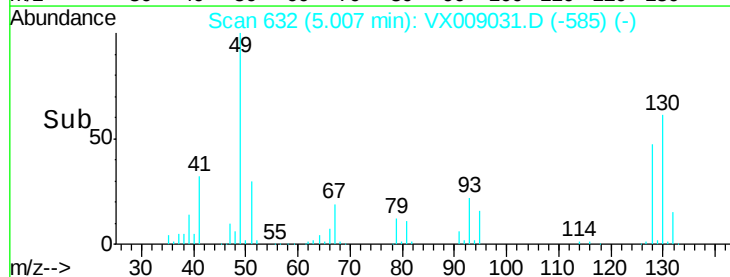
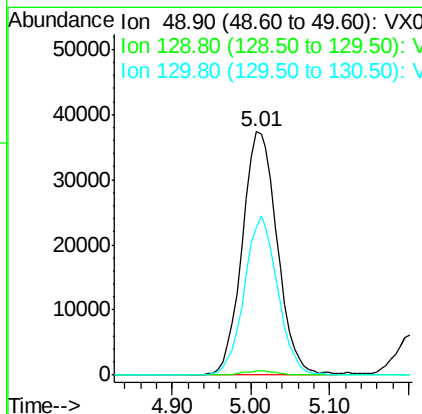
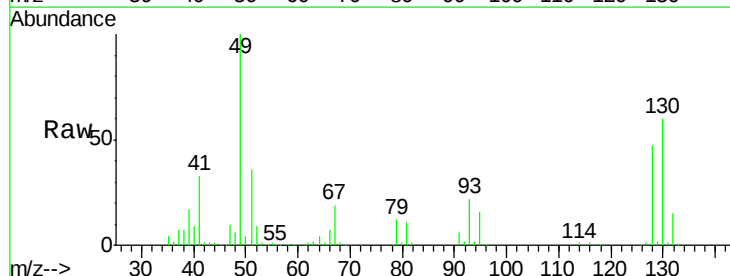
MMDadoda
4/19/2019 9:11:50 AM

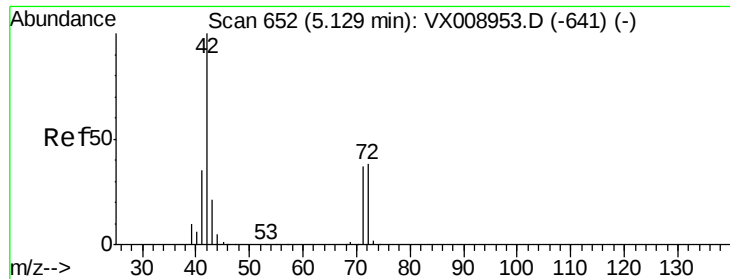


#28

Bromochloromethane
Concen: 52.568 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	115473		
129	1.7	0.0	3.6	
130	62.1	50.4	75.6	





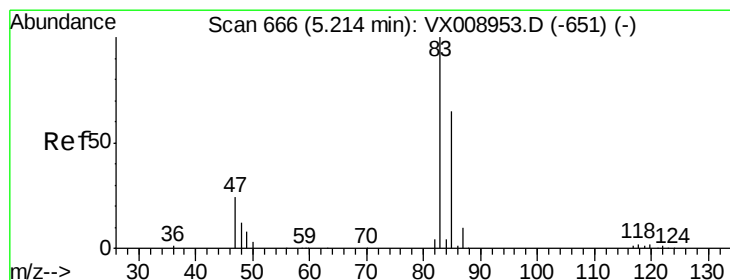
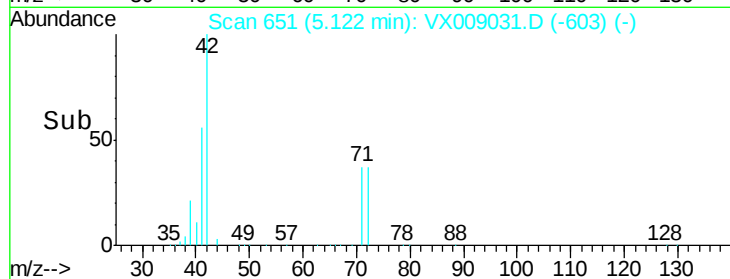
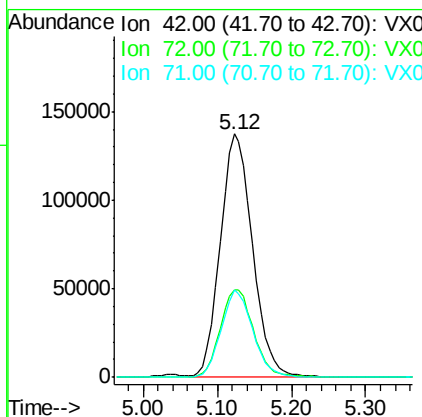
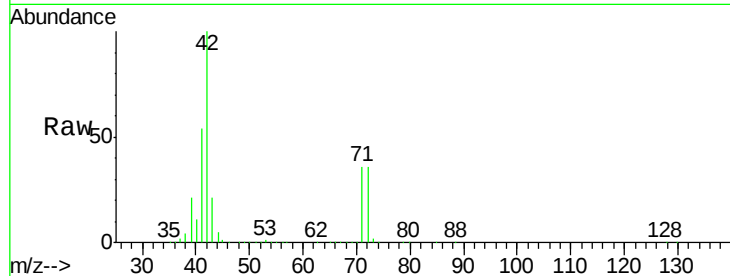
#29
Tetrahydrofuran
Concen: 227.543 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.6	45.8
71	35.3	28.8	43.2

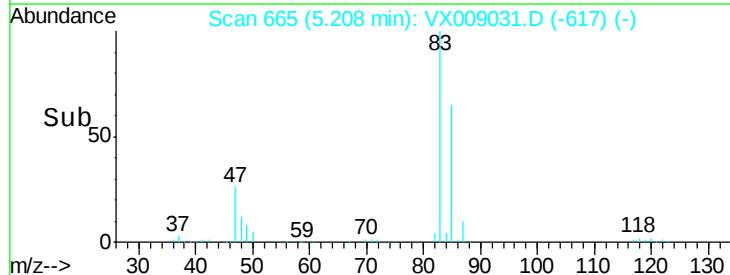
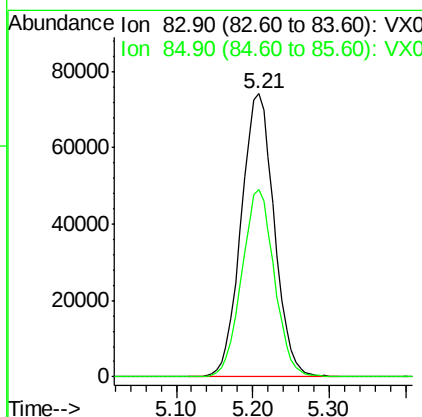
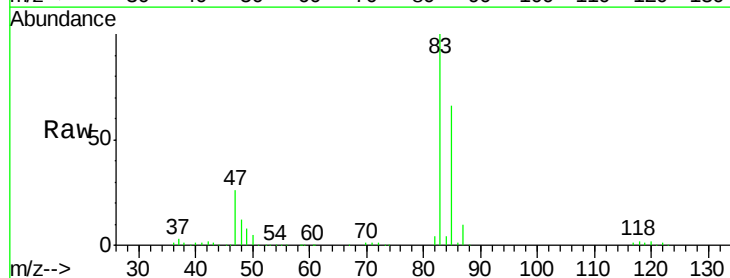
Manual Integrations
APPROVED

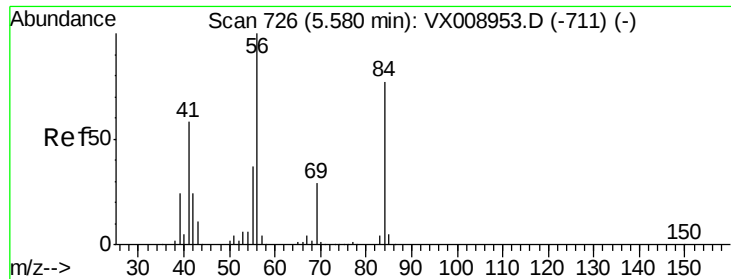
MMDadoda
4/19/2019 9:11:50 AM



#30
Chloroform
Concen: 47.034 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.9	77.9





#31

Cyclohexane

Concen: 47.970 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

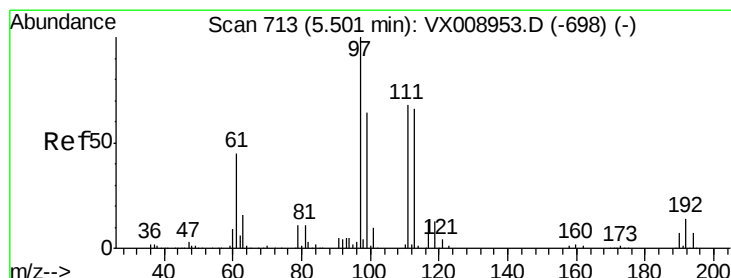
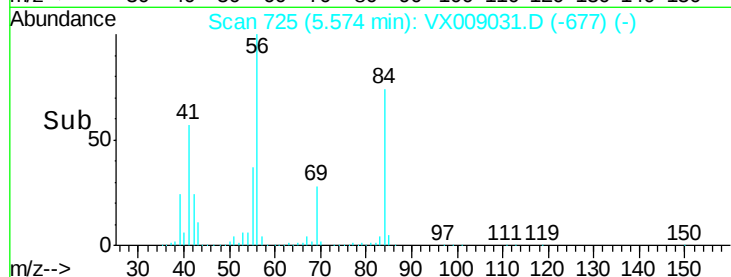
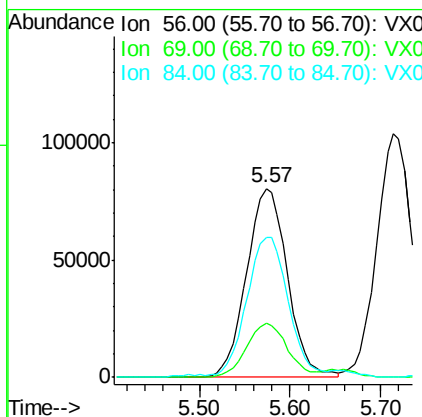
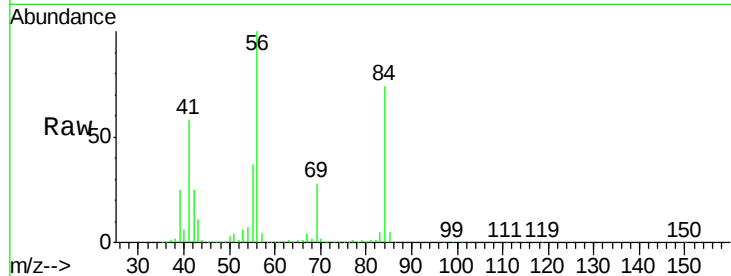
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	249993
Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.3	34.9
84	73.0	61.7	92.5

Manual Integrations
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4/19/2019 9:11:50 AM



#32

1,1,1-Trichloroethane

Concen: 47.524 ug/l

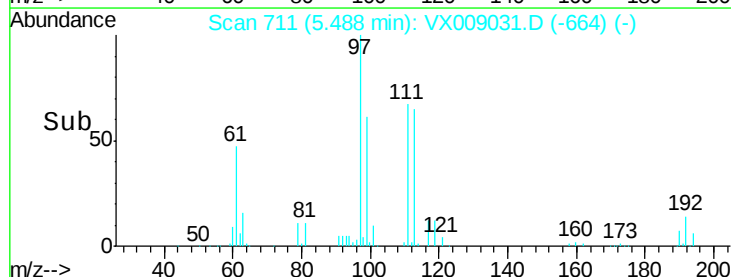
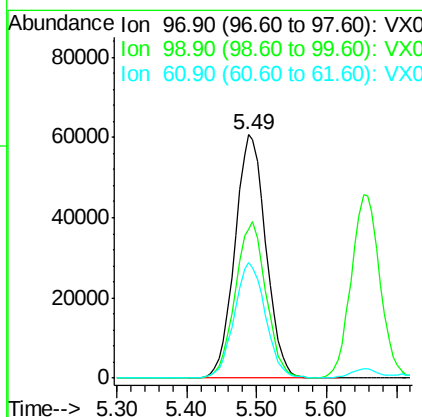
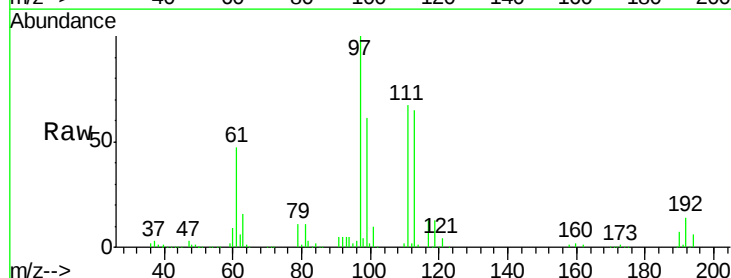
RT: 5.49 min Scan# 711

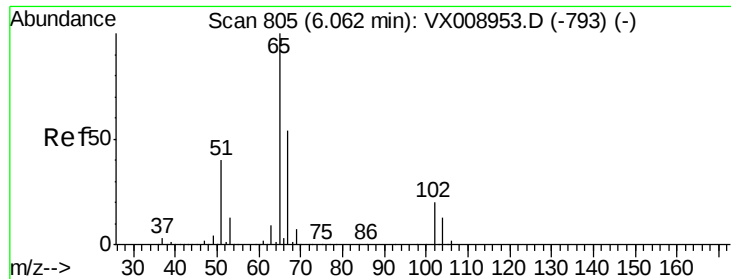
Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tgt Ion:	97	Resp:	186757
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	47.8	37.9	56.9





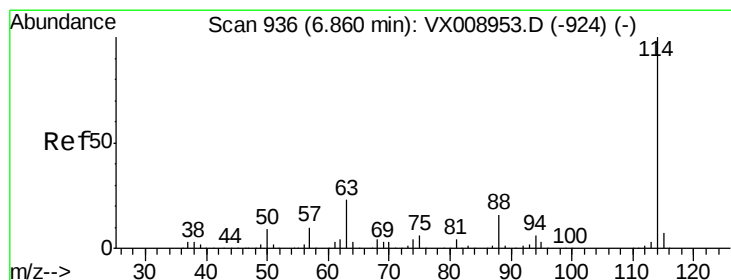
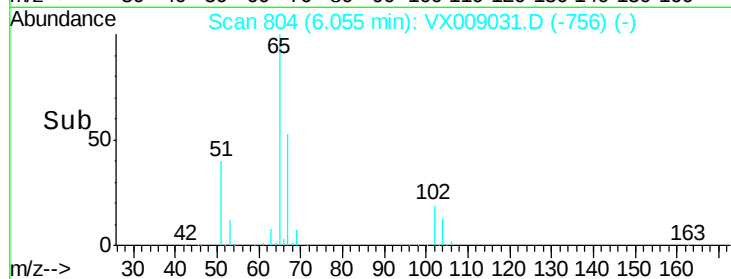
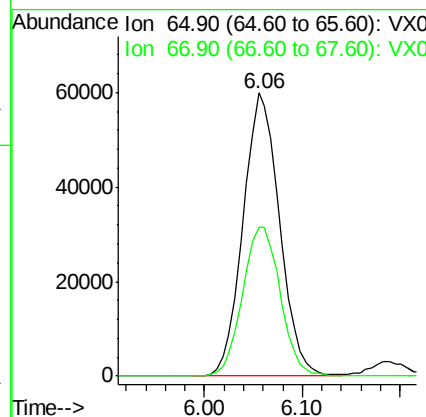
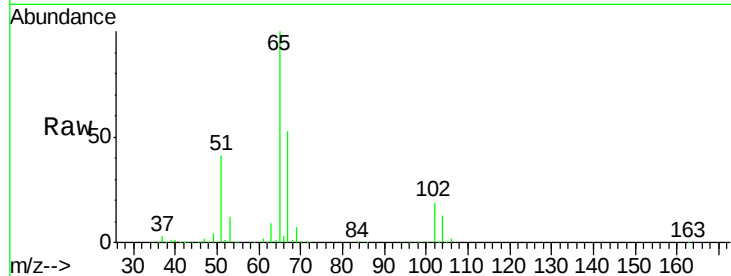
#33
 1,2-Dichloroethane-d4
 Concen: 47.422 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	108.6

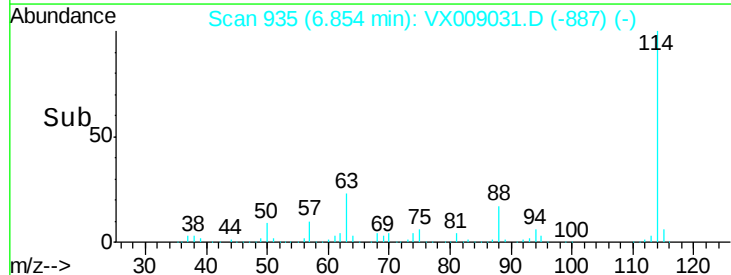
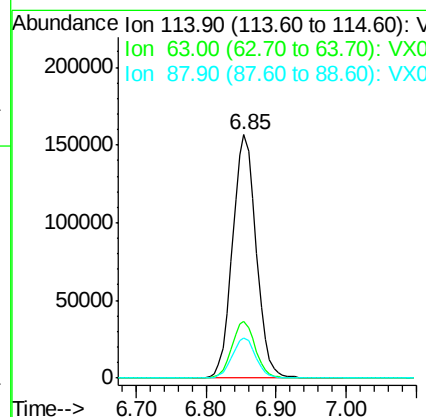
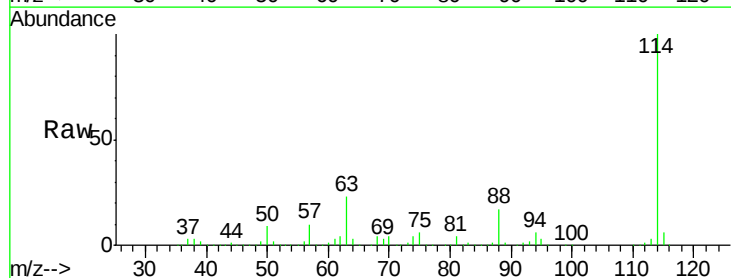
Manual Integrations
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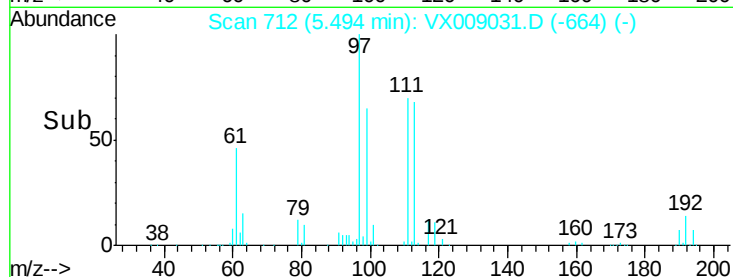
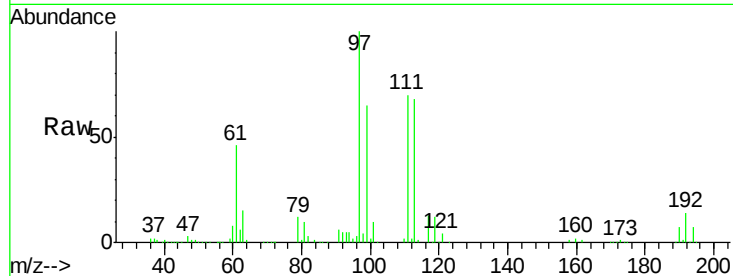
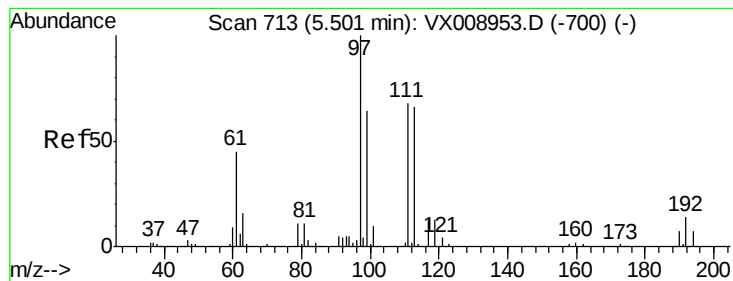
MMDadoda
 4/19/2019 9:11:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.0
88	16.7	0.0	32.6





#35

Dibromofluoromethane

Concen: 49.340 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tot Ion:	113	Resp:	116534
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.9	124.3
192	20.7	17.4	26.0

Instrument :

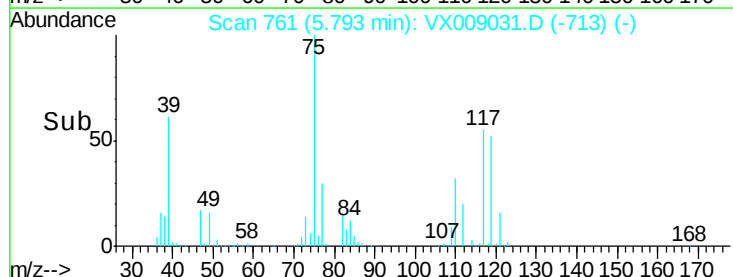
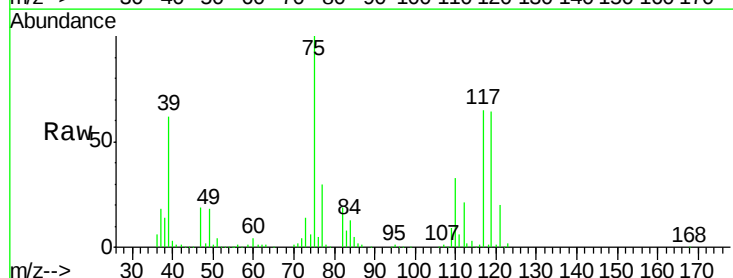
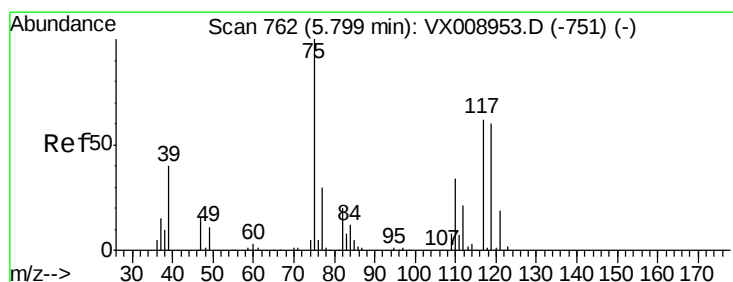
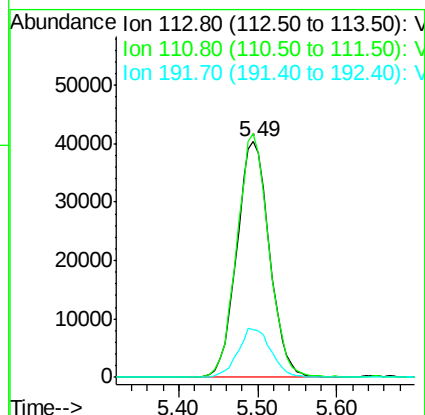
MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations
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4/19/2019 9:11:50 AM



#36

1,1-Dichloropropene

Concen: 46.806 ug/l

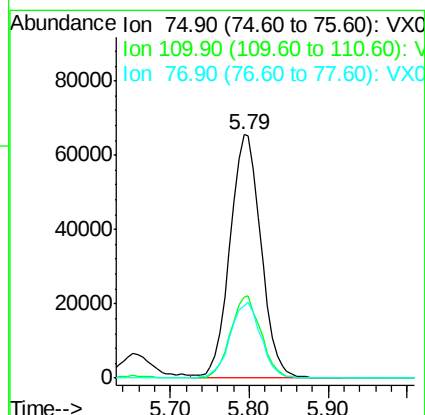
RT: 5.79 min Scan# 761

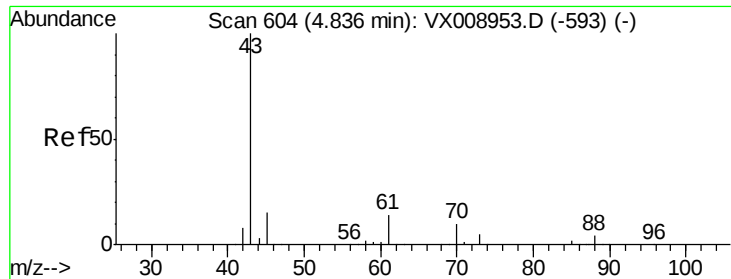
Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tgt Ion:	75	Resp:	178149
Ion	Ratio	Lower	Upper
75	100		
110	33.3	16.9	50.7
77	30.9	25.0	37.4





#37

Ethyl Acetate

Concen: 49.068 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

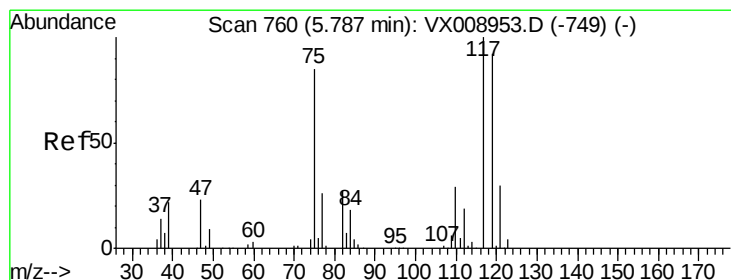
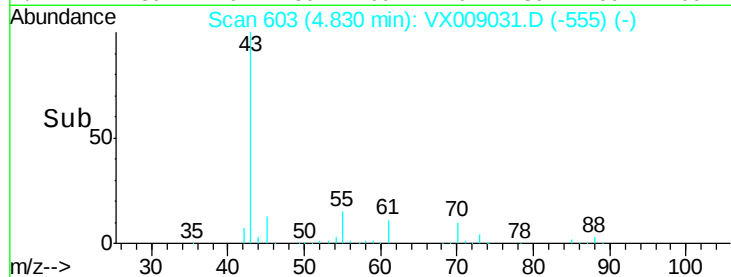
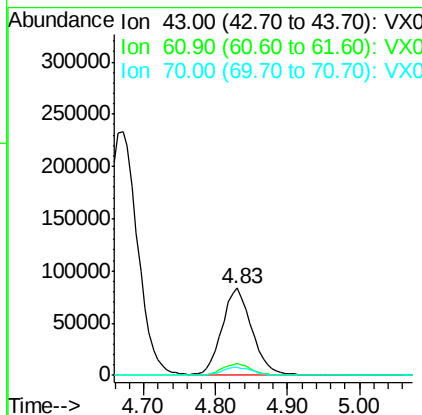
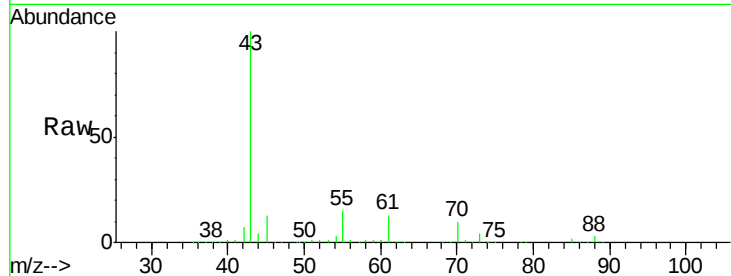
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	240316
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.6	15.8
70	9.7	7.7	11.5

Manual Integrations
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4/19/2019 9:11:50 AM



#38

Carbon Tetrachloride

Concen: 48.673 ug/l

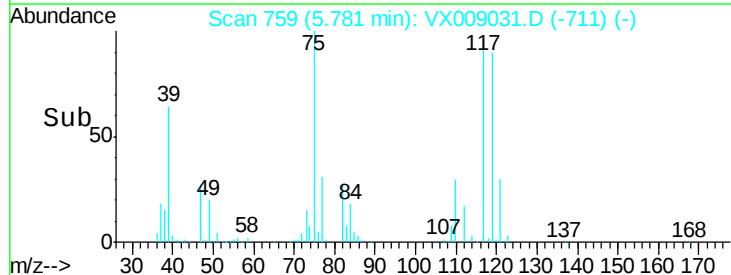
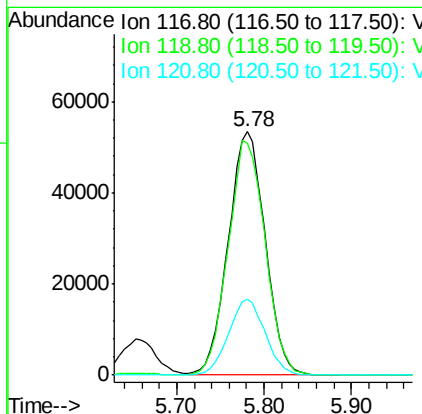
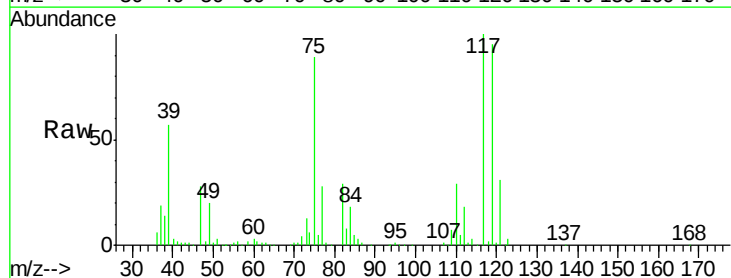
RT: 5.78 min Scan# 759

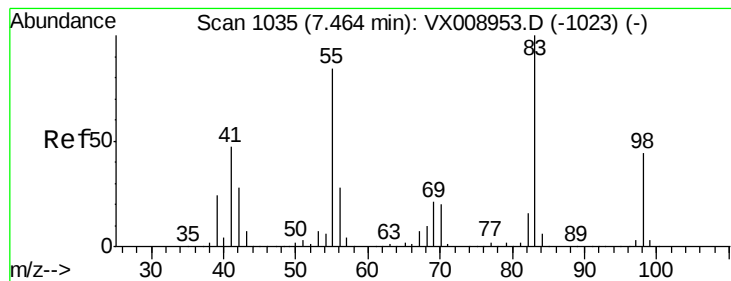
Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tgt Ion:	117	Resp:	157053
Ion	Ratio	Lower	Upper
117	100		
119	95.0	73.8	110.8
121	31.2	23.6	35.4





#39

Methvlcvclohexane

Concen: 49.454 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

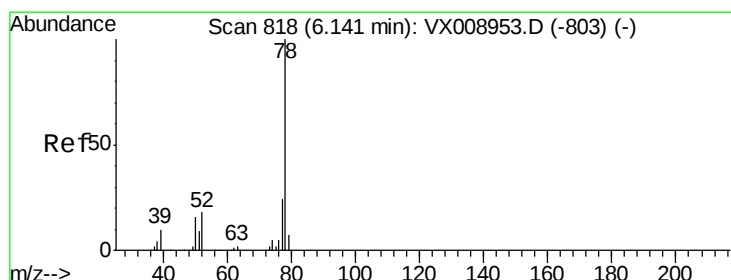
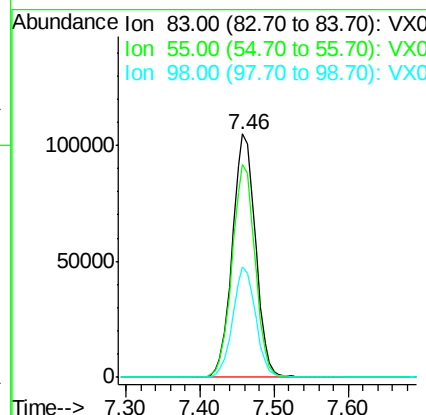
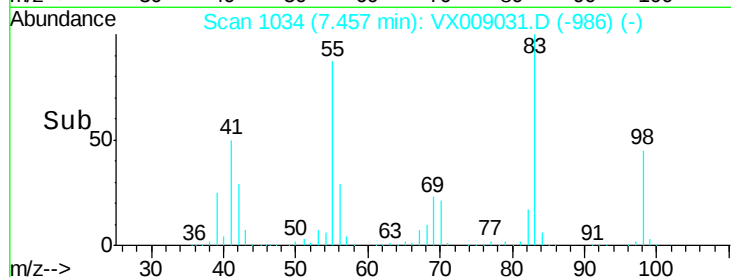
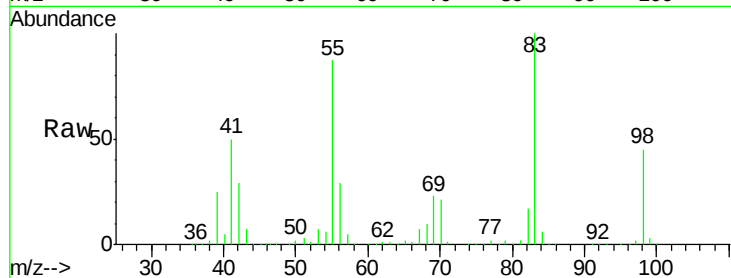
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	229176
Ion	Ratio	Lower	Upper
83	100		
55	87.3	67.1	100.7
98	45.2	35.1	52.7

Manual Integrations
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#40

Benzene

Concen: 47.769 ug/l

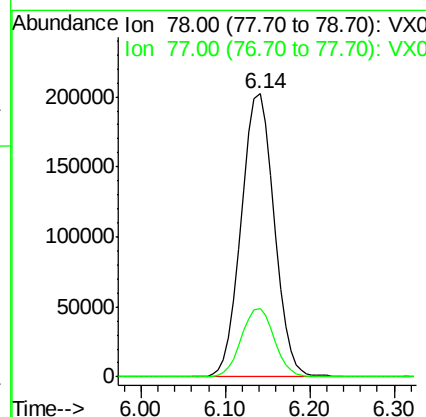
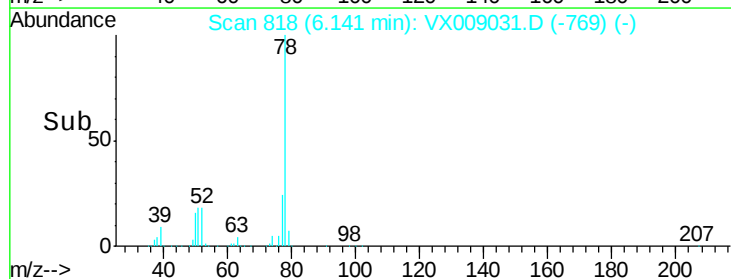
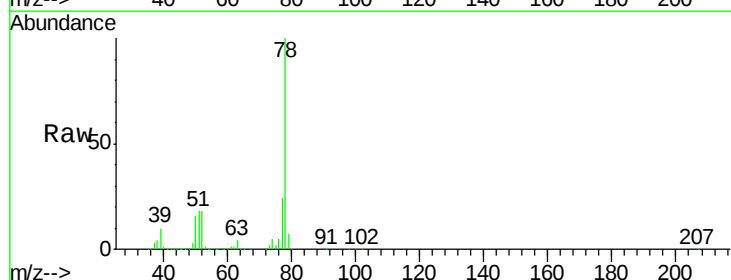
RT: 6.14 min Scan# 818

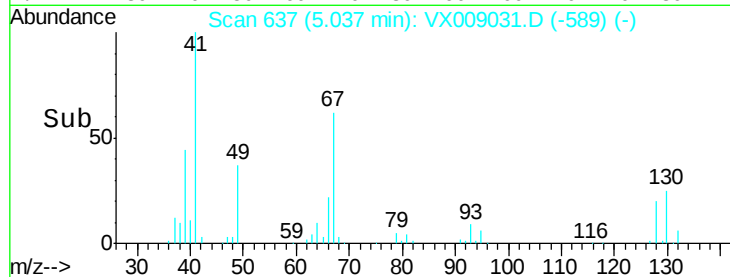
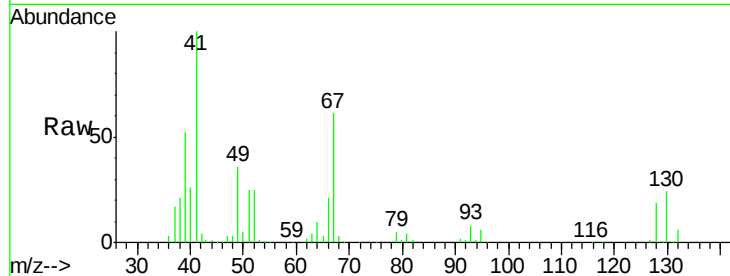
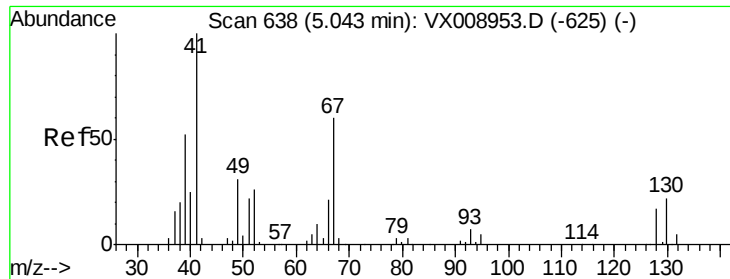
Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tgt Ion:	78	Resp:	536368
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





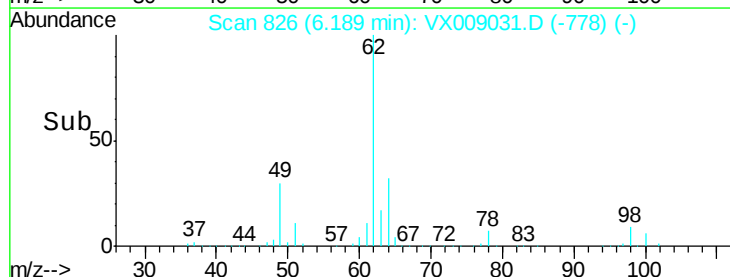
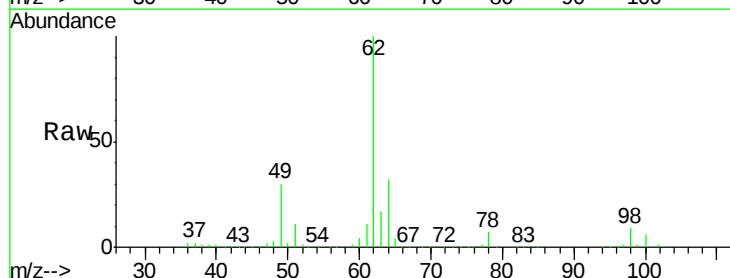
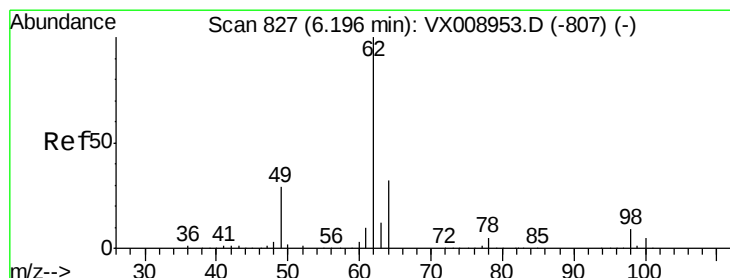
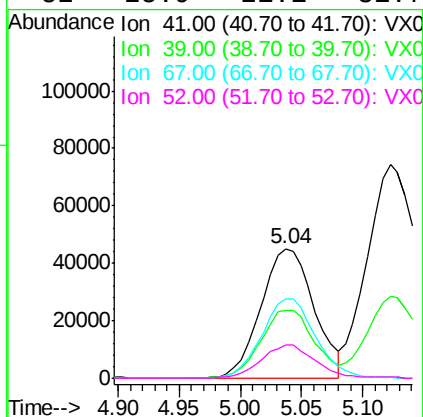
#41
Methacrylonitrile
Concen: 48.446 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		136176		
39	52.6	41.8	62.6		
67	62.1	50.2	75.4		
52	25.9	21.1	31.7		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

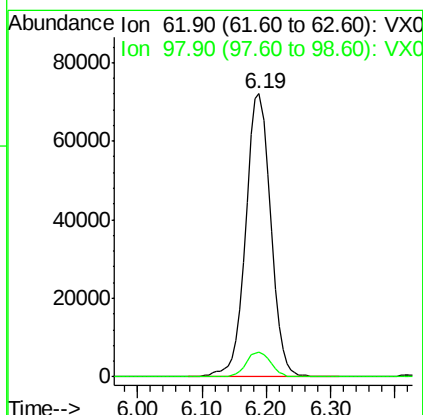
Manual Integrations
APPROVED

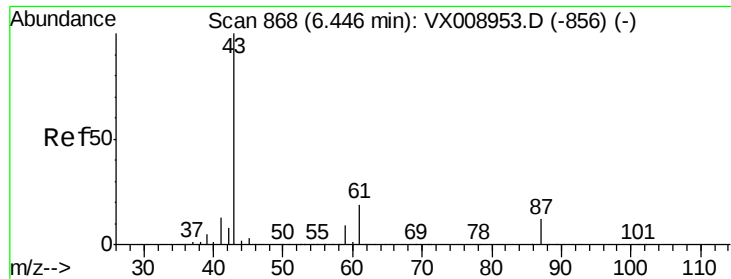
MMDadoda
4/19/2019 9:11:50 AM



#42
1,2-Dichloroethane
Concen: 47.947 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		190710		
98	8.7	0.0	18.4		





#43

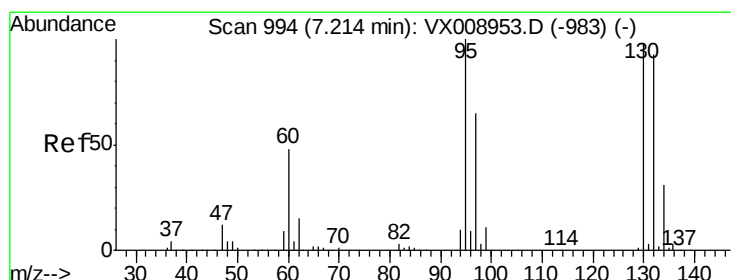
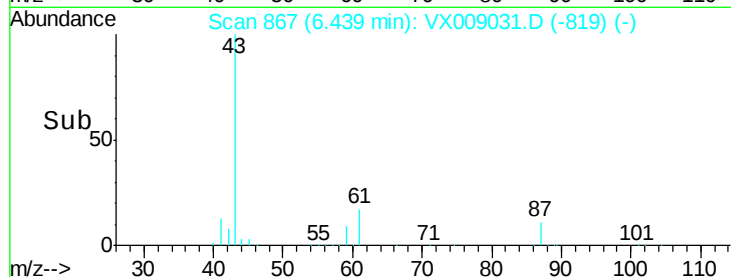
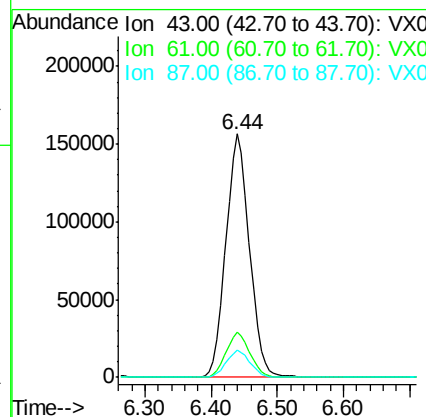
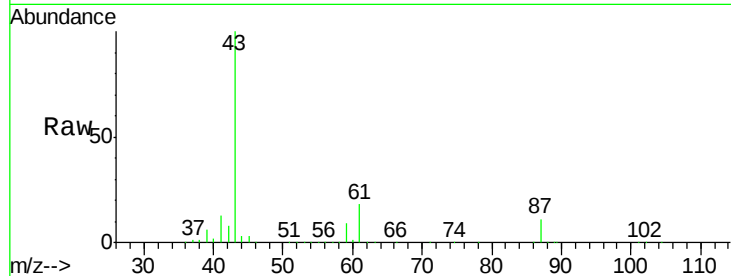
Isopropyl Acetate
 Concen: 48.734 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.2	9.0	13.4

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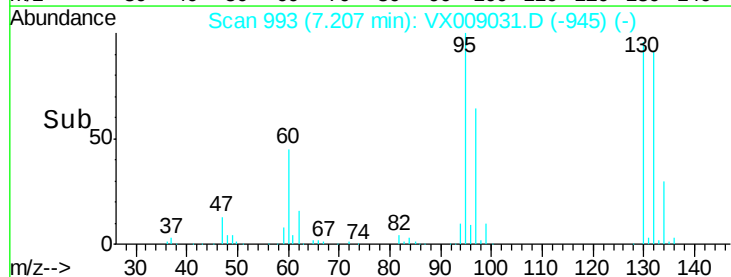
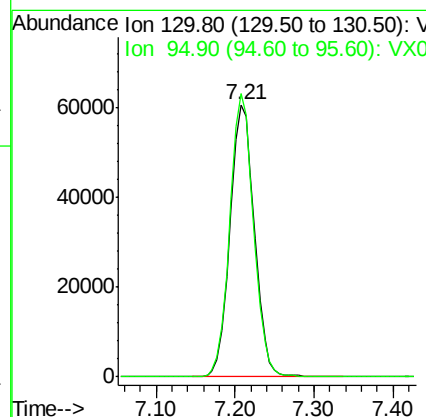
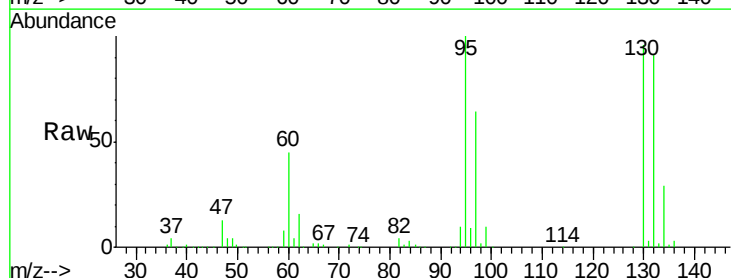
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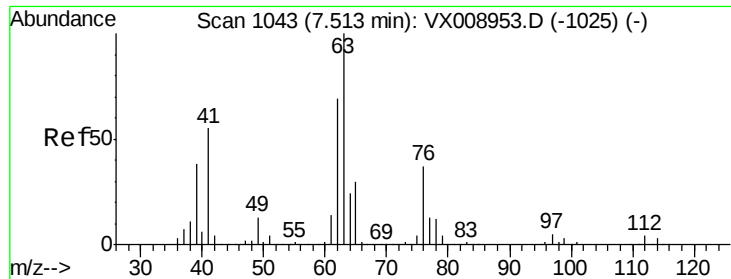


#44

Trichloroethene
 Concen: 47.464 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	203.2





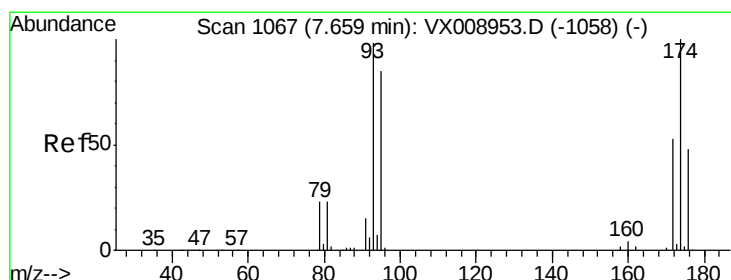
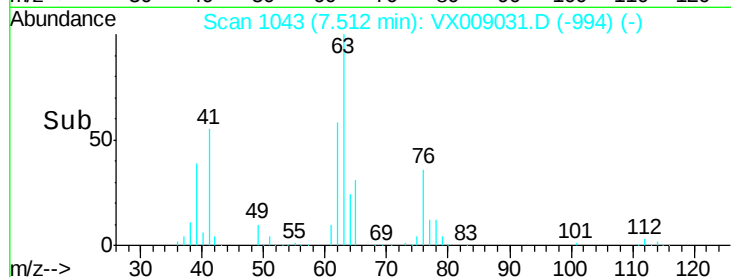
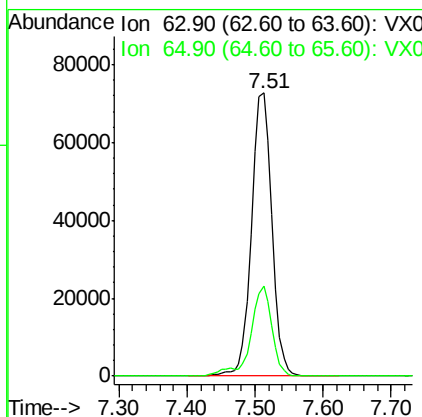
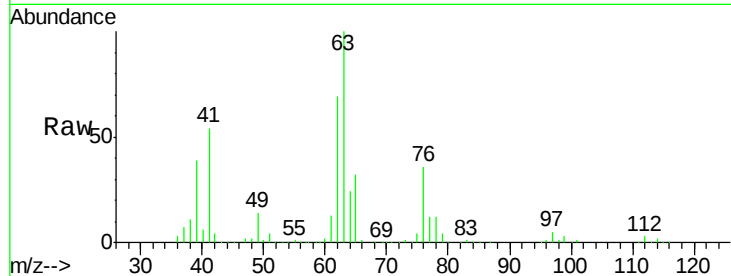
#45
 1,2-Dichloropropane
 Concen: 49.099 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 152943
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.1 36.1

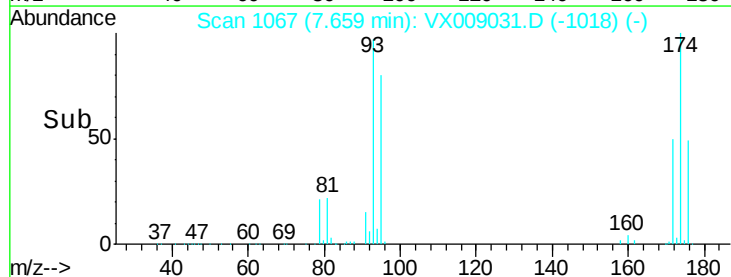
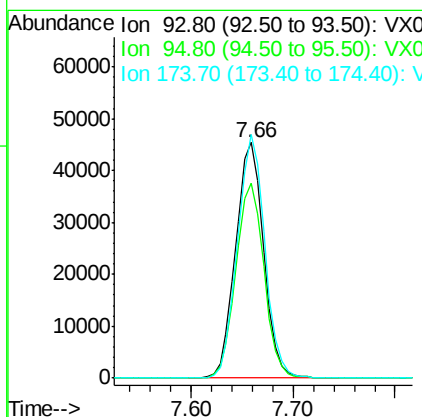
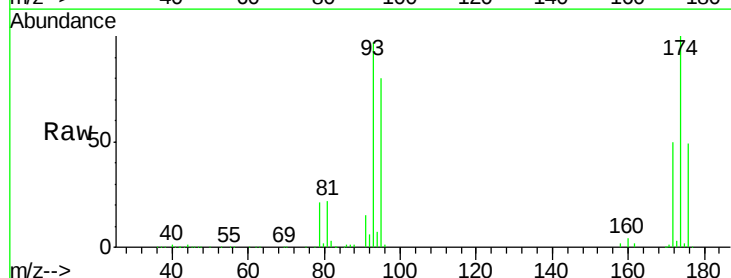
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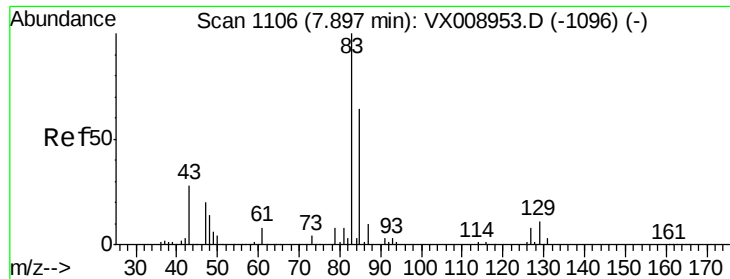
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#46
 Dibromomethane
 Concen: 47.499 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion: 93 Resp: 86109
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.0 100.4
 174 101.3 81.6 122.4





#47

Bromodichloromethane

Concen: 48.569 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

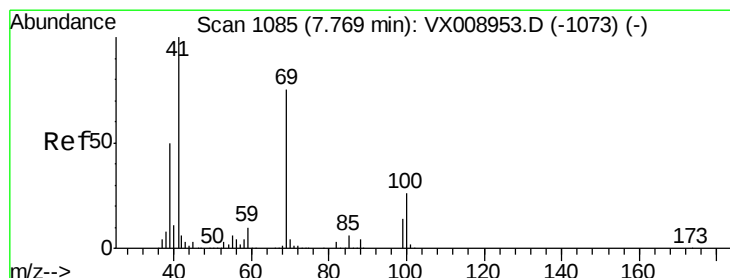
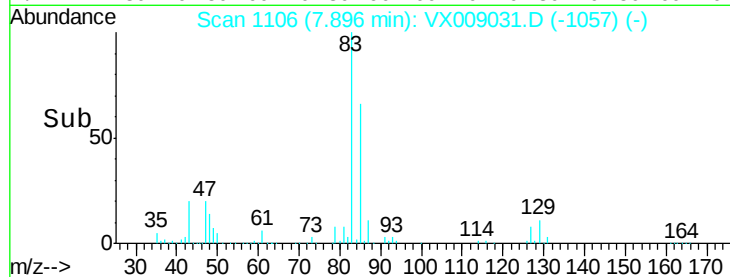
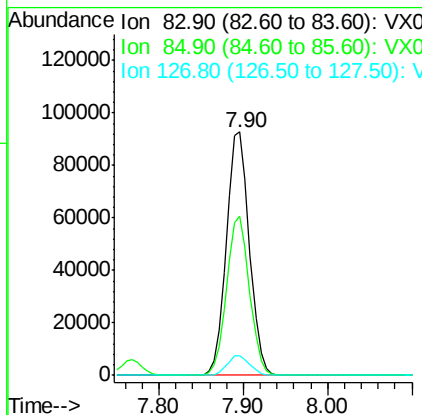
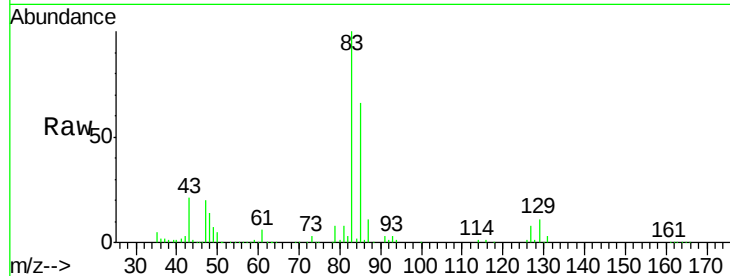
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172696
Ion Ratio	Lower	Upper	
83	100		
85	65.5	50.8	76.2
127	8.1	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.614 ug/l

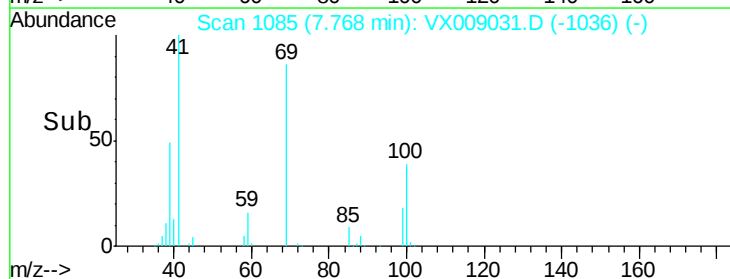
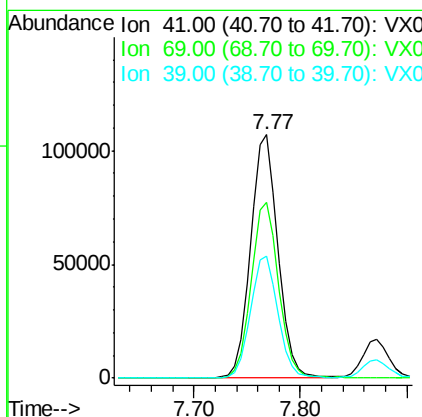
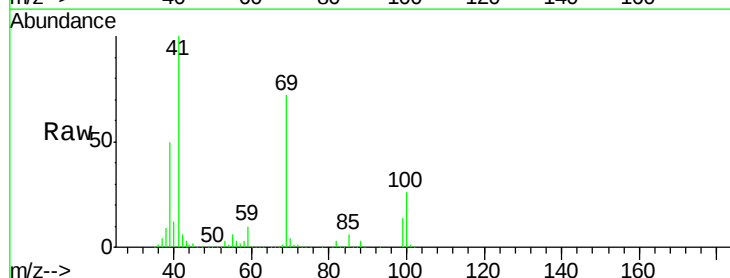
RT: 7.77 min Scan# 1085

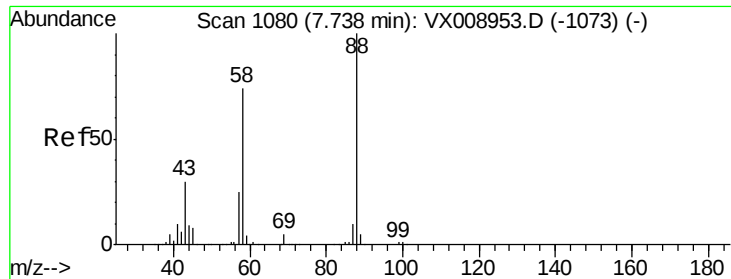
Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tgt Ion:	41	Resp:	193483
Ion Ratio	Lower	Upper	
41	100		
69	73.1	59.4	89.2
39	50.3	39.8	59.6





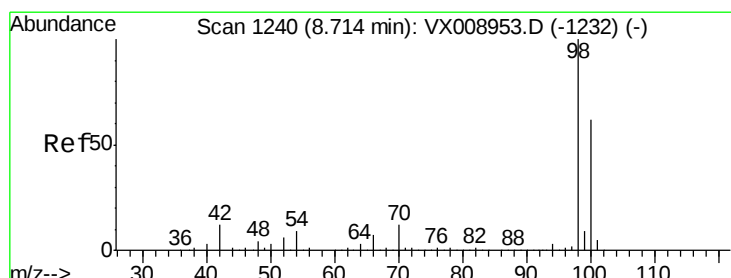
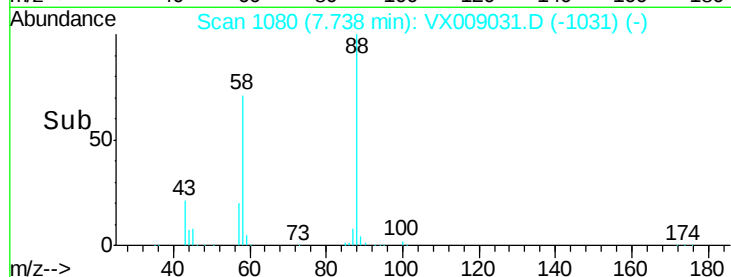
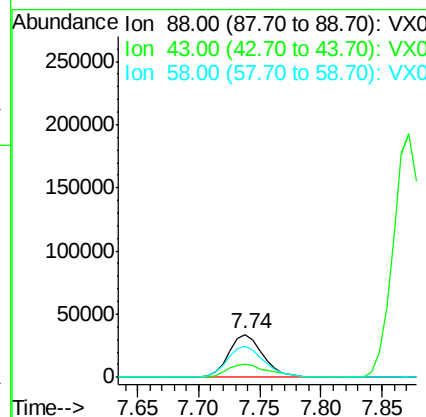
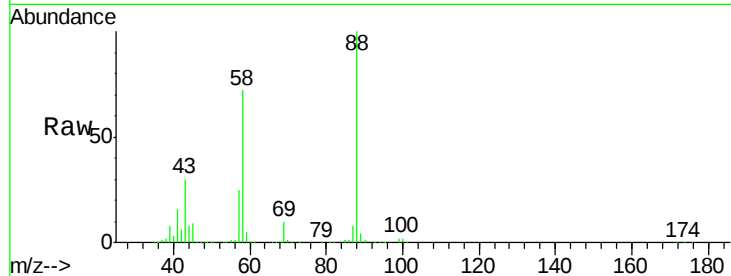
#49
1,4-Dioxane
Concen: 898.478 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	29.3	43.9
58	78.8	62.6	93.8

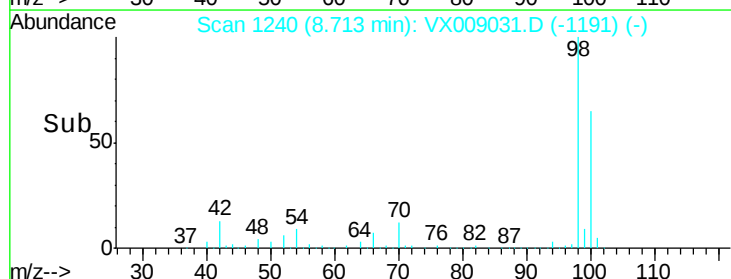
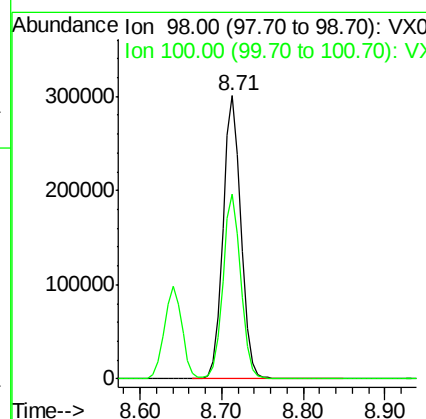
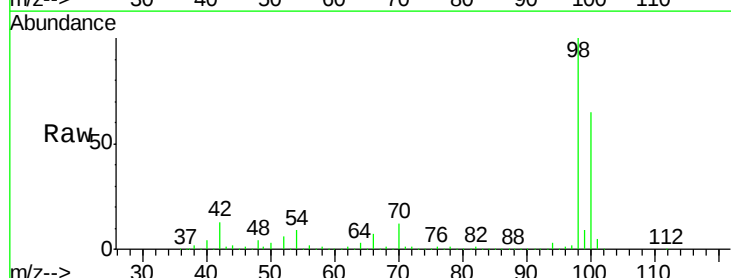
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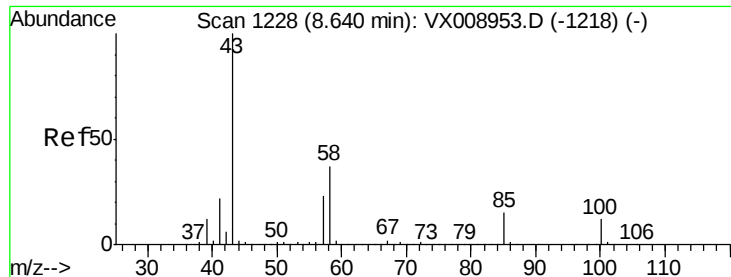
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#50
Toluene-d8
Concen: 49.274 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 239.494 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1204203

Ion Ratio Lower Upper

43 100

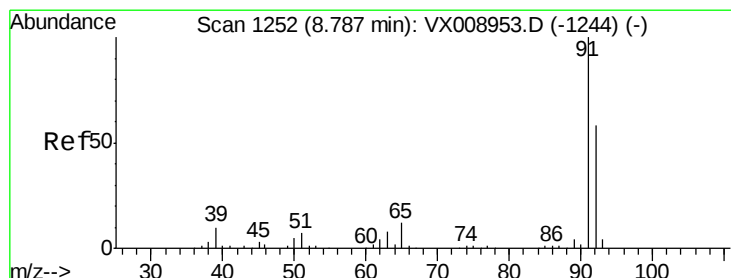
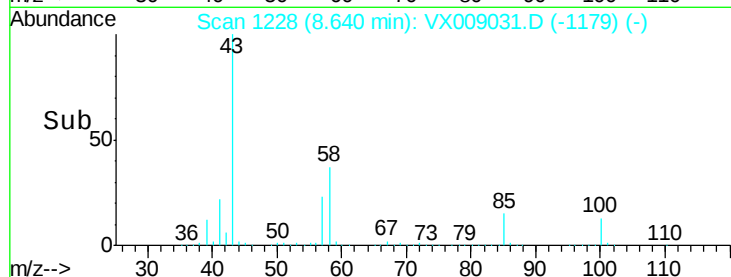
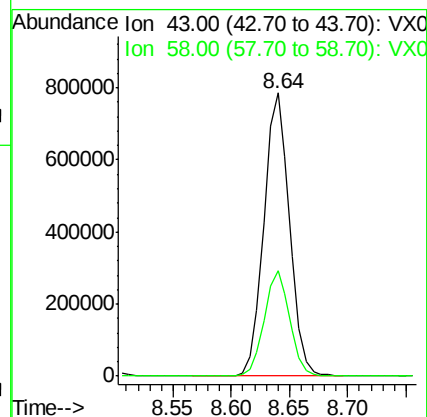
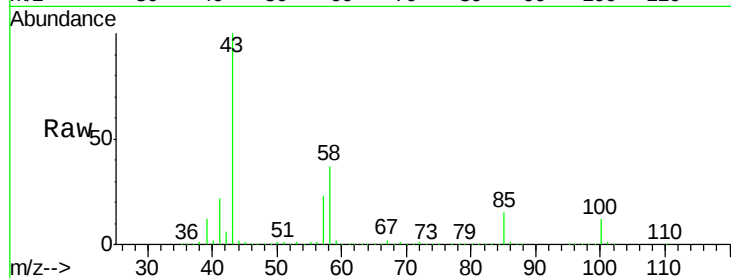
58 36.8 29.8 44.6

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#52

Toluene

Concen: 48.019 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009031.D

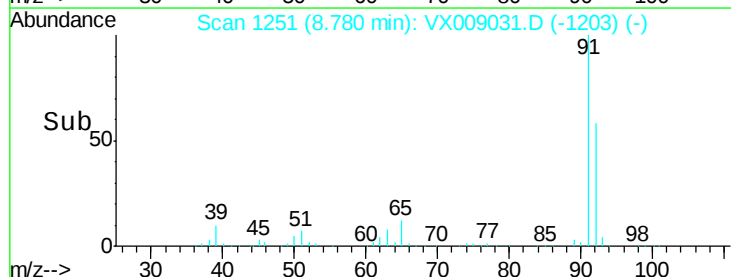
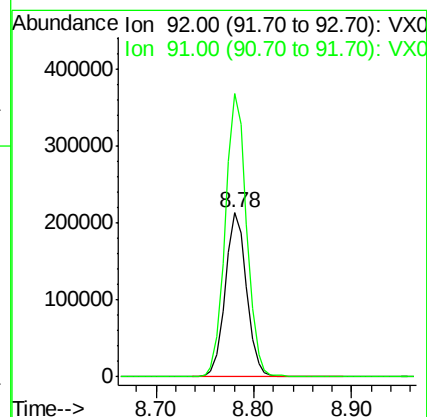
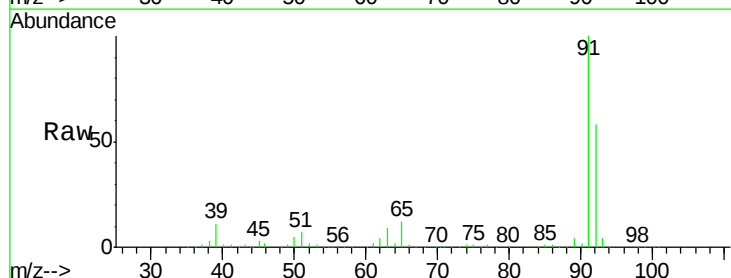
Acq: 18 Apr 2019 09:48

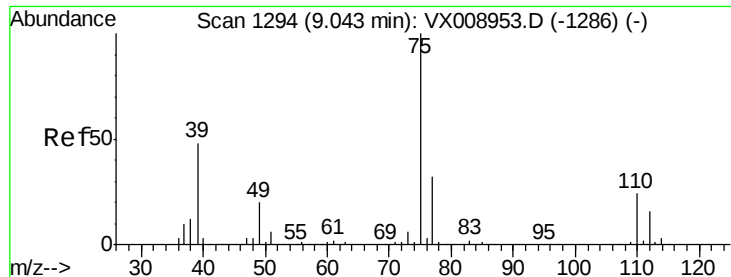
Tgt Ion: 92 Resp: 323131

Ion Ratio Lower Upper

92 100

91 173.4 138.5 207.7





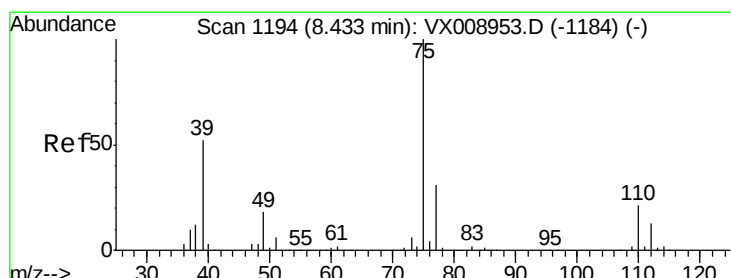
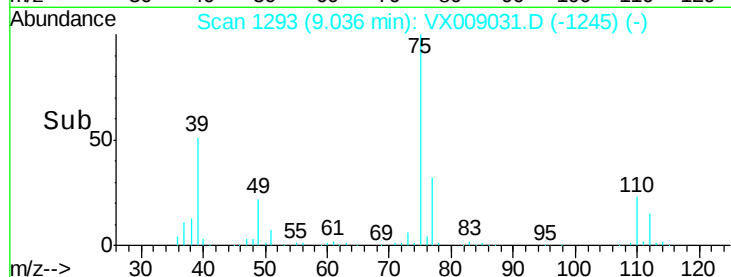
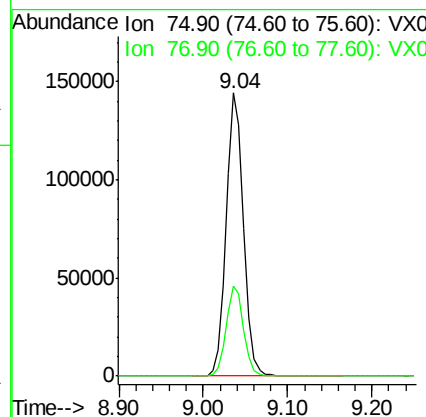
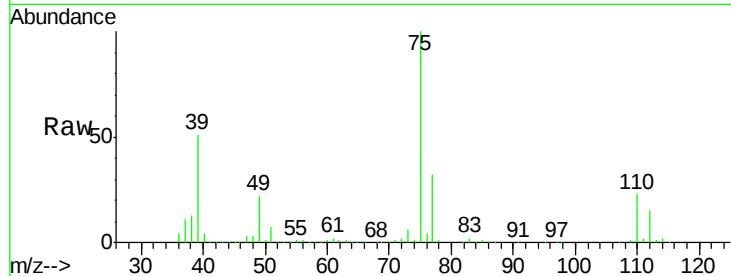
#53
t-1,3-Dichloropropene
Concen: 49.880 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 204113
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

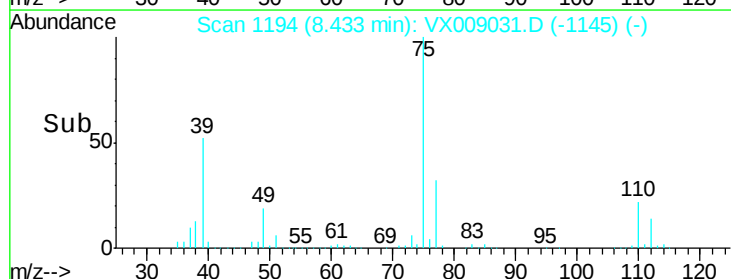
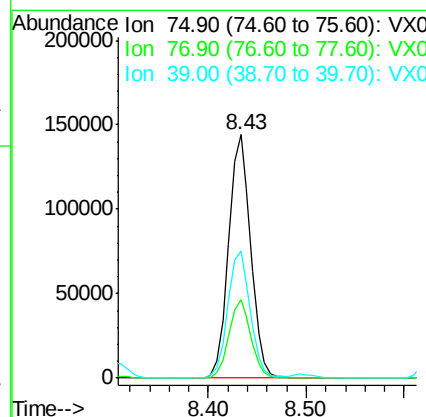
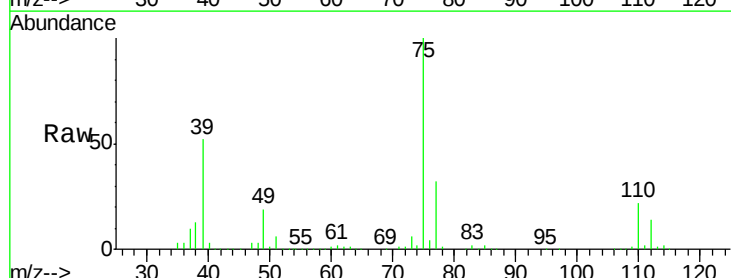
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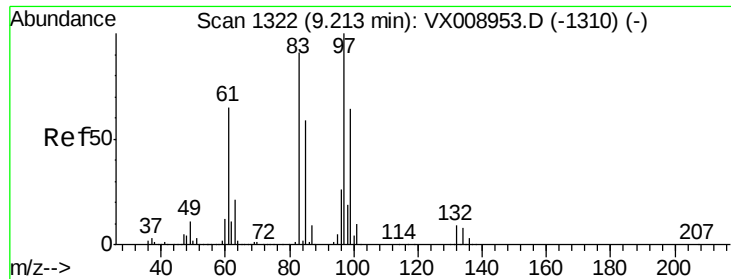
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#54
cis-1,3-Dichloropropene
Concen: 49.171 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion: 75 Resp: 225302
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 51.9 41.8 62.6





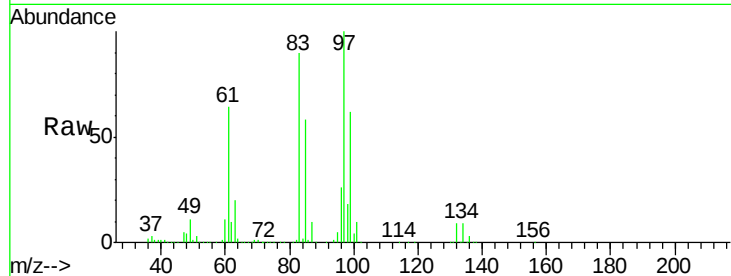
#55
 1,1,2-Trichloroethane
 Concen: 48.707 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

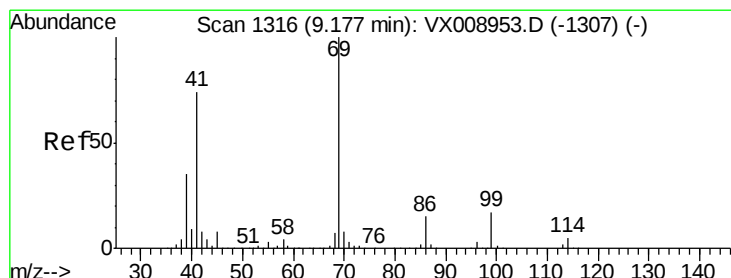
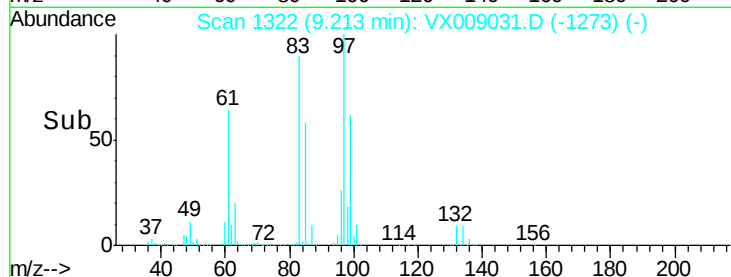
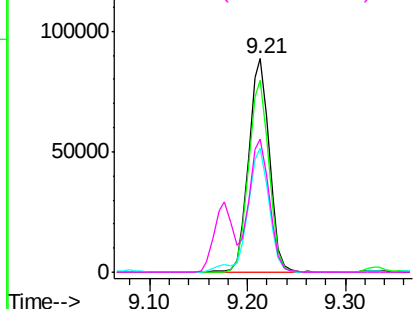
Tot Ion:	97	Resp:	129902
Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.6	108.8
85	58.4	46.9	70.3
99	62.3	51.0	76.6

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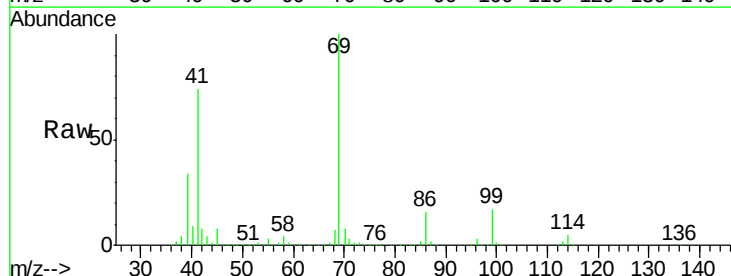


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

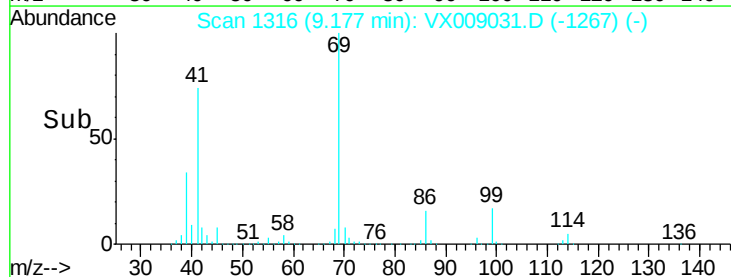
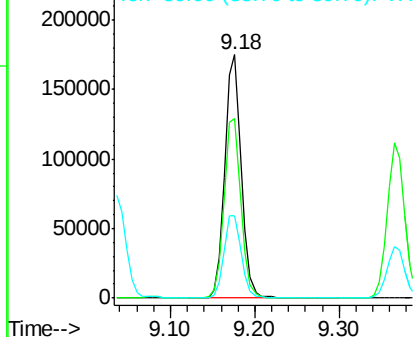


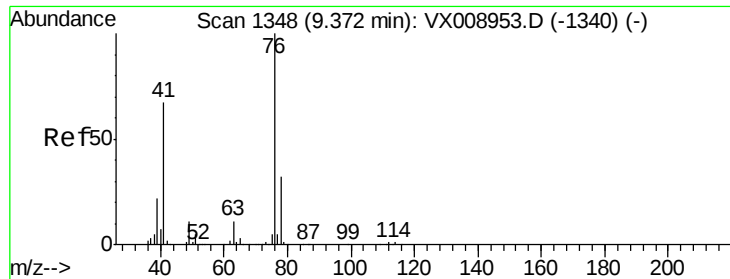
#56
 Ethyl methacrylate
 Concen: 49.694 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion:	69	Resp:	237648
Ion	Ratio	Lower	Upper
69	100		
41	75.2	60.2	90.2
39	35.6	27.9	41.9



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





#57

1,3-Dichloropropane

Concen: 48.944 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 232417

Ion Ratio Lower Upper

76 100

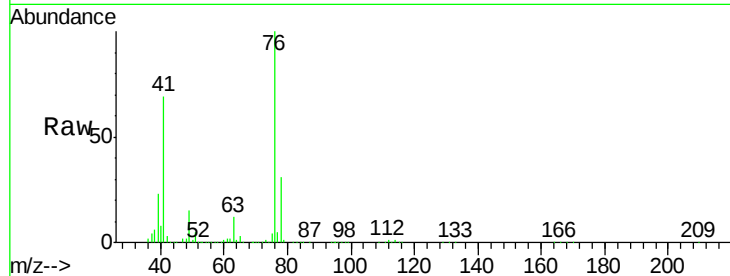
78 31.7 25.7 38.5

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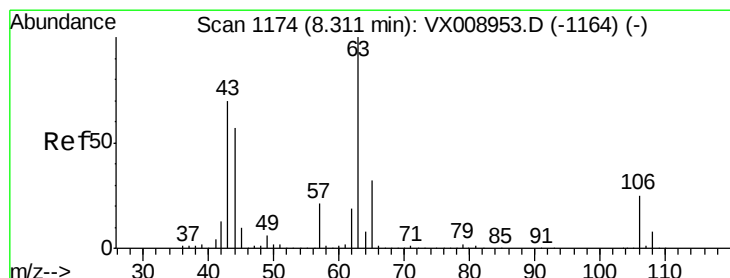
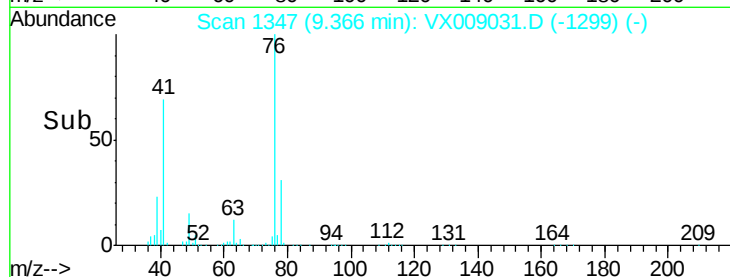
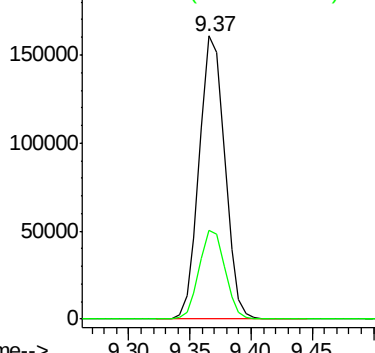
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 261.831 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009031.D

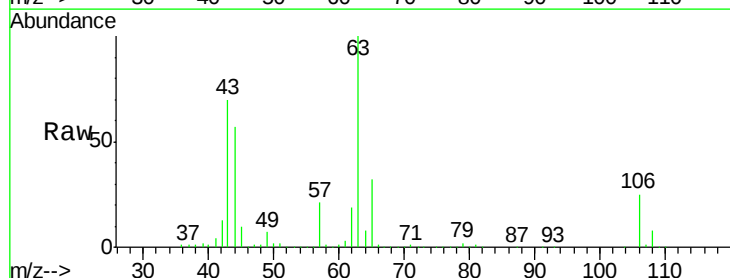
Acq: 18 Apr 2019 09:48

Tgt Ion: 63 Resp: 674275

Ion Ratio Lower Upper

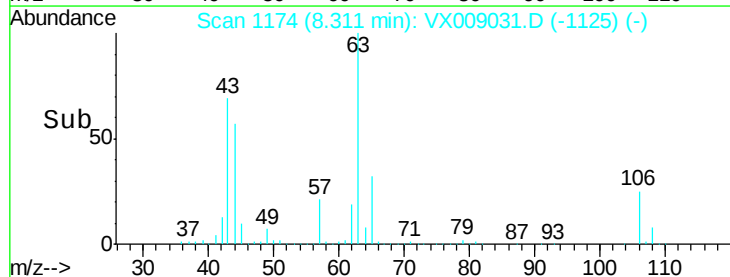
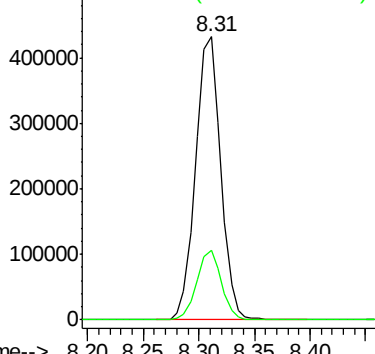
63 100

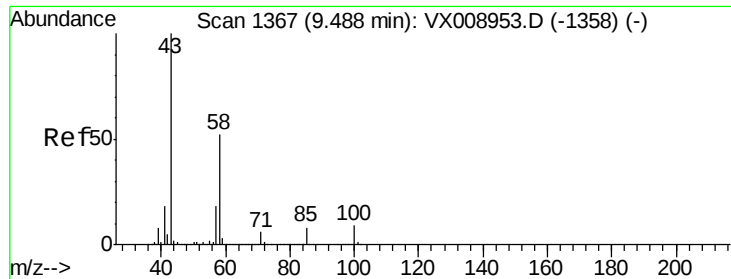
106 24.2 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





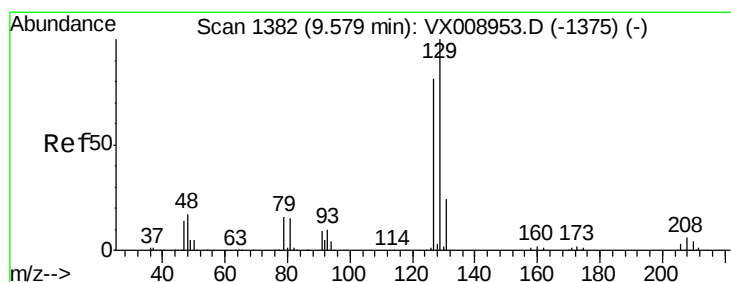
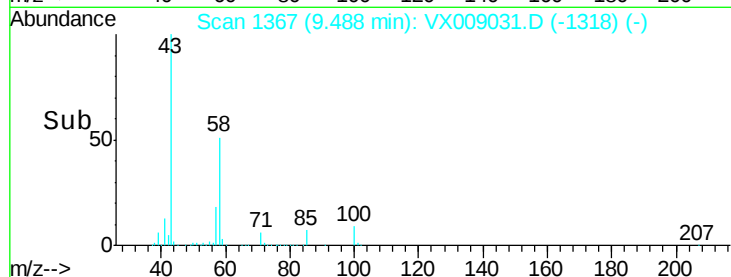
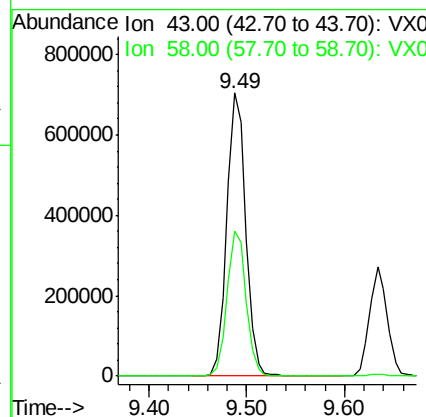
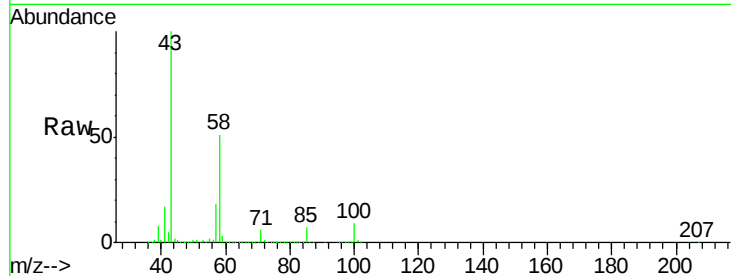
#59
2-Hexanone
Concen: 243.834 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 945236
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.8

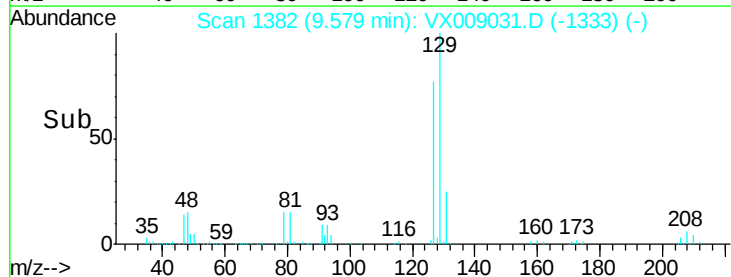
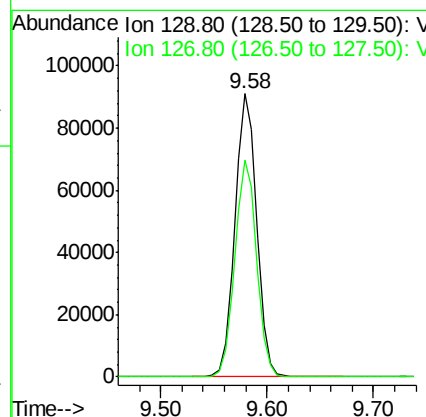
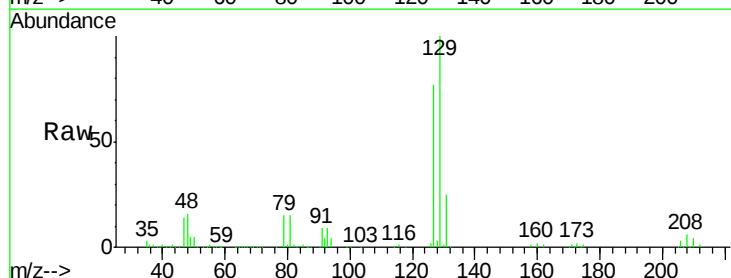
Manual Integrations
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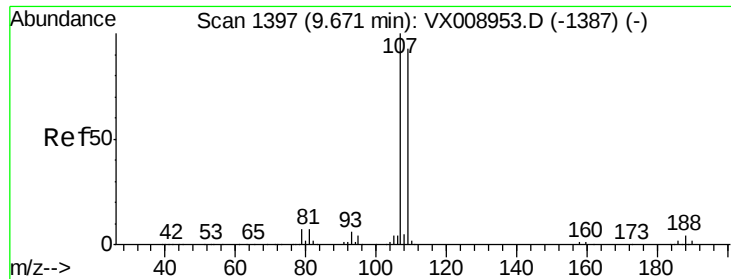
MMDadoda
4/19/2019 9:11:50 AM



#60
Dibromochloromethane
Concen: 51.014 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion: 129 Resp: 130397
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 48.234 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 132770

Ion Ratio Lower Upper

107 100

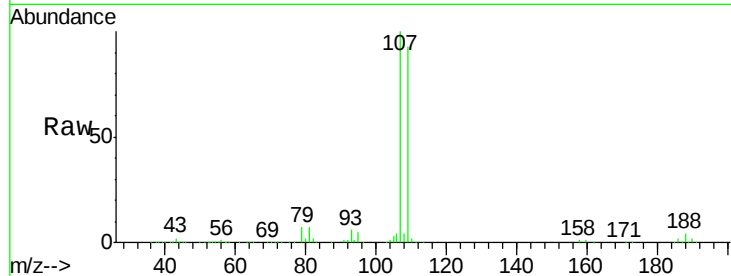
109 94.2 74.4 111.6

Manual Integrations

APPROVED

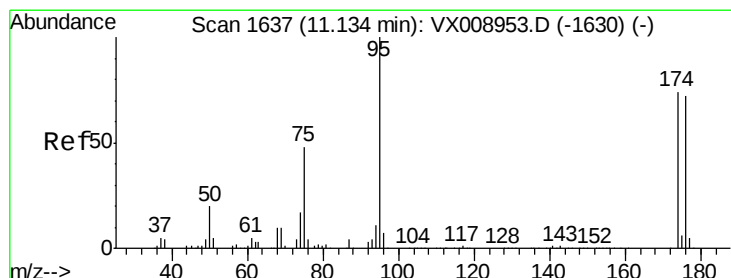
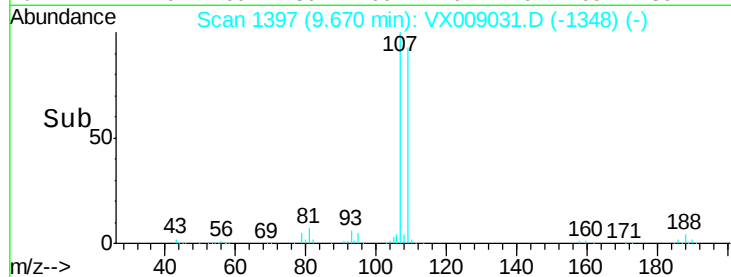
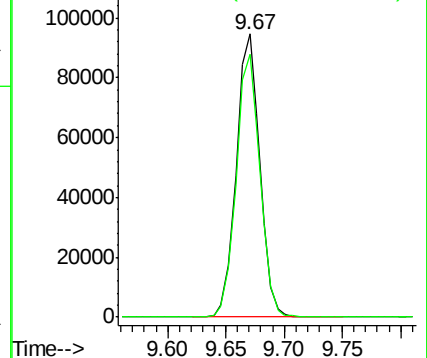
MMDadoda

4/19/2019 9:11:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.499 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

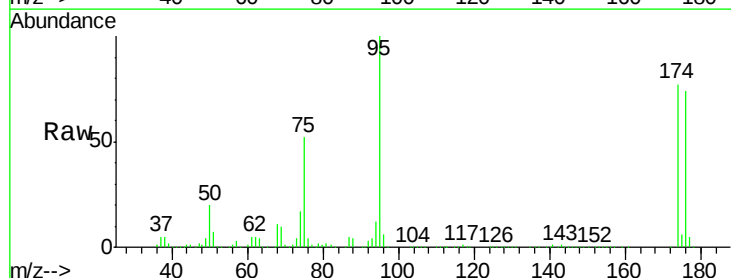
Tgt Ion: 95 Resp: 164584

Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.6

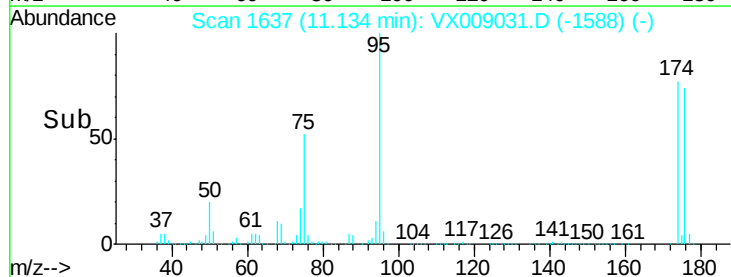
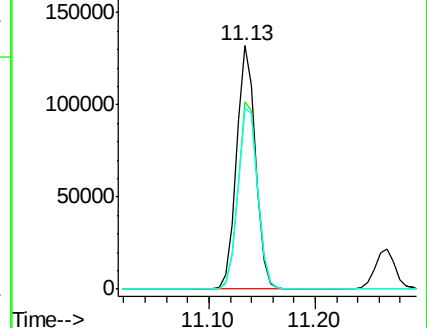
176 77.3 0.0 154.8

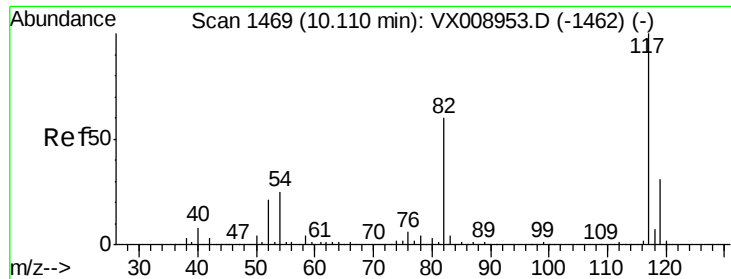


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





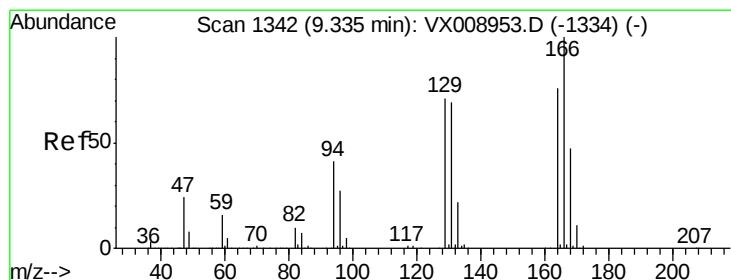
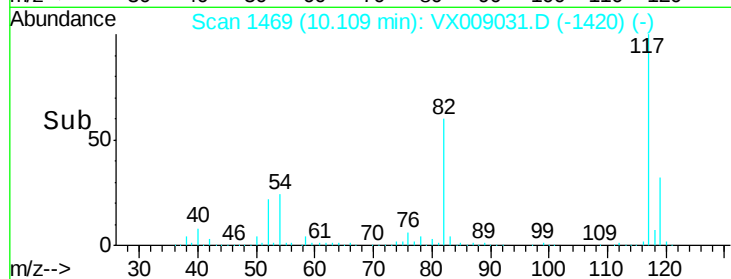
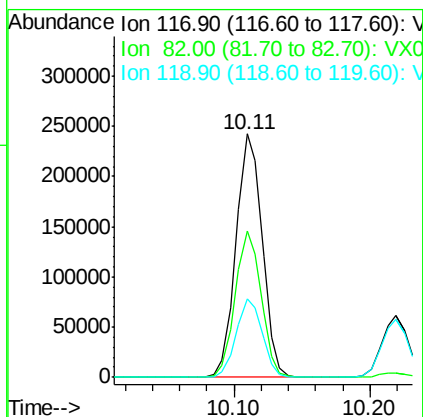
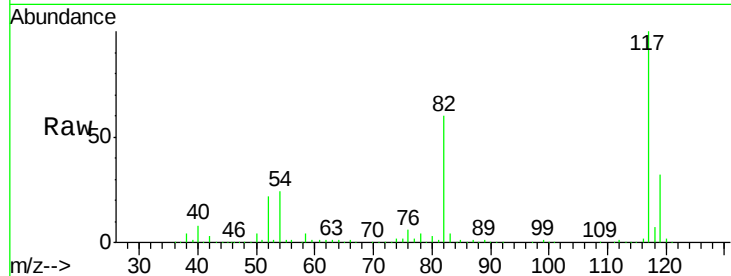
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.2	72.4
119	32.1	25.0	37.6

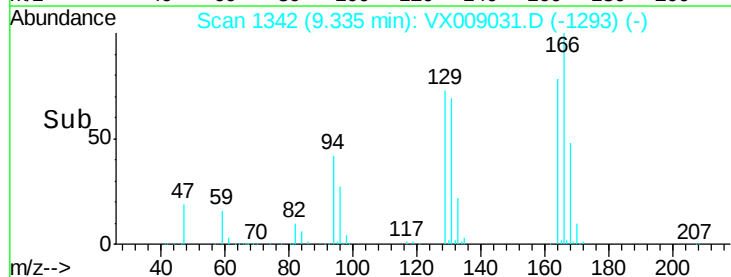
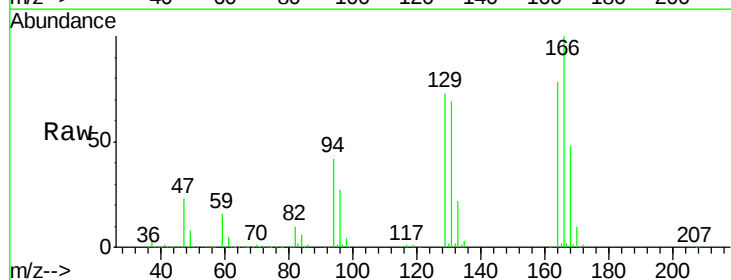
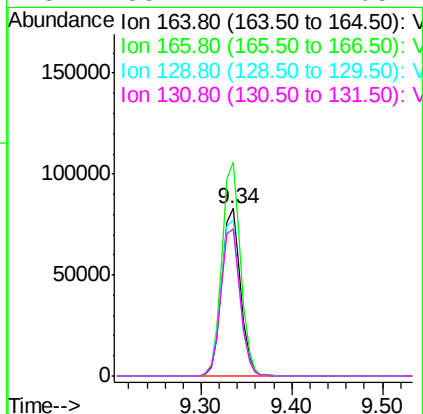
Manual Integrations
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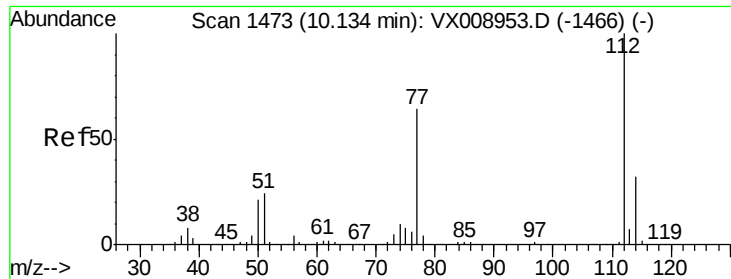
MMDadoda
4/19/2019 9:11:50 AM



#64
Tetrachloroethene
Concen: 48.527 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	105.0	157.4
129	93.3	74.2	111.4
131	88.1	72.2	108.2





#65

Chlorobenzene

Concen: 48.314 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 331246

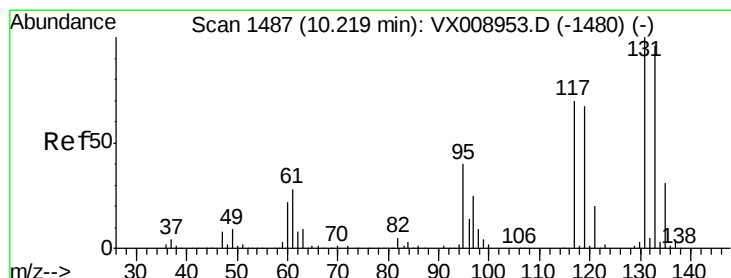
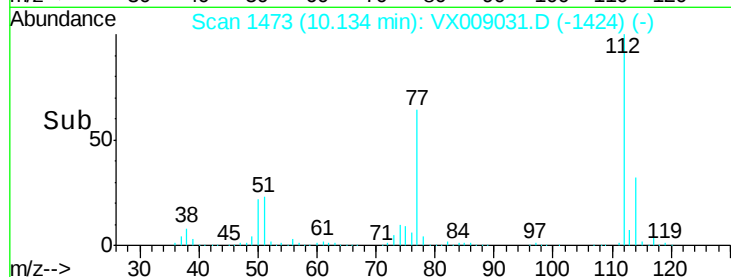
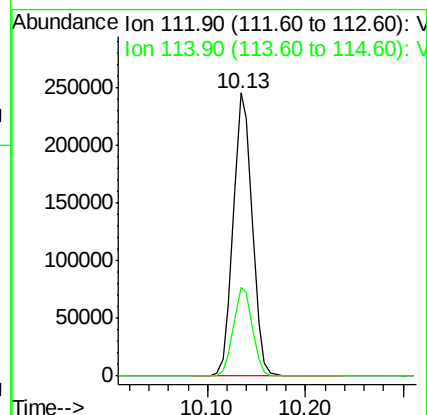
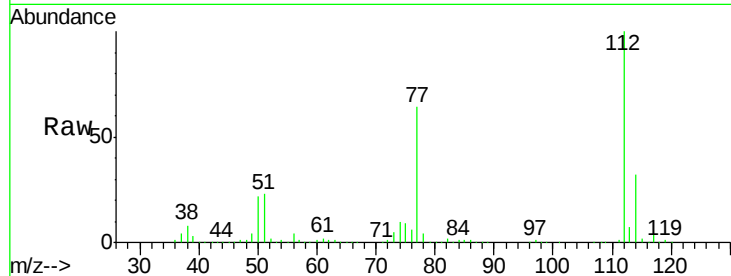
Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
4/19/2019 9:11:50 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 49.173 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

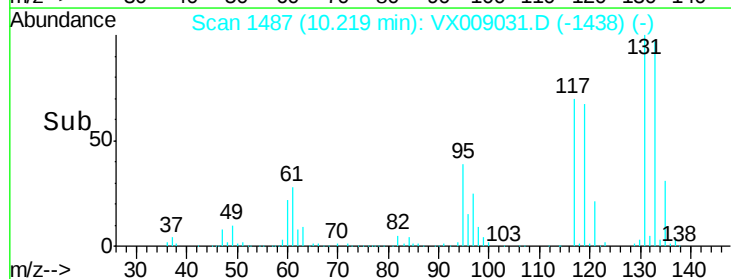
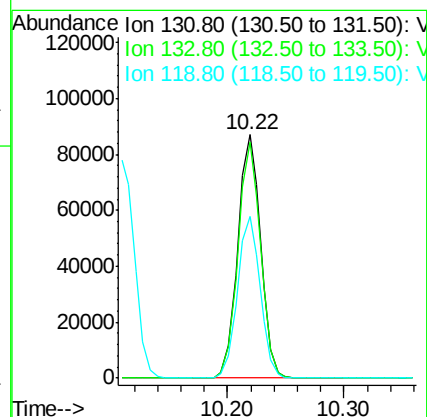
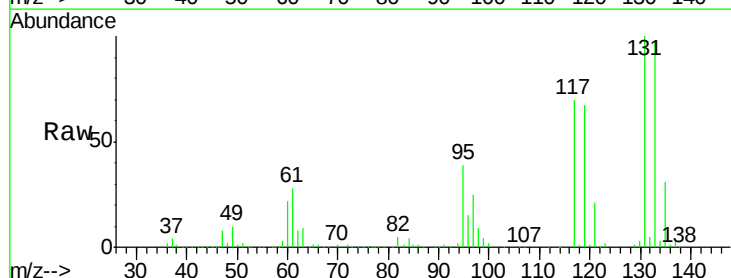
Tgt Ion:131 Resp: 118767

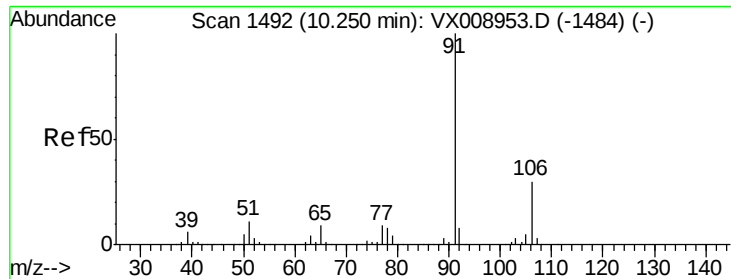
Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 66.5 33.7 101.1





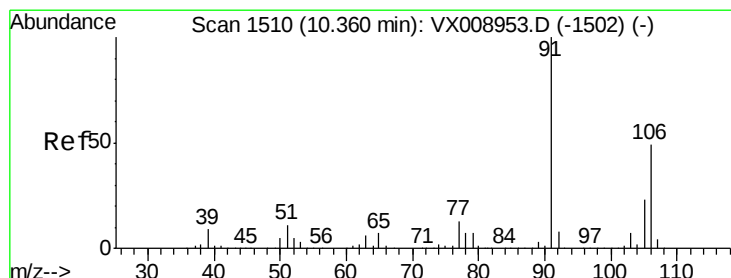
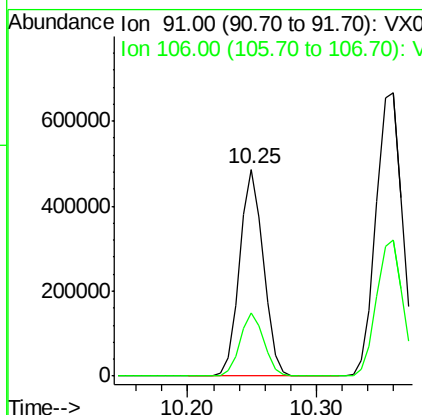
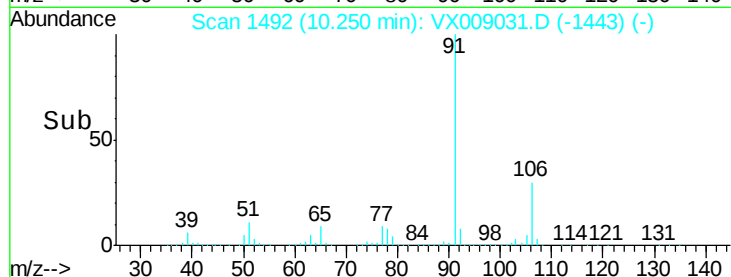
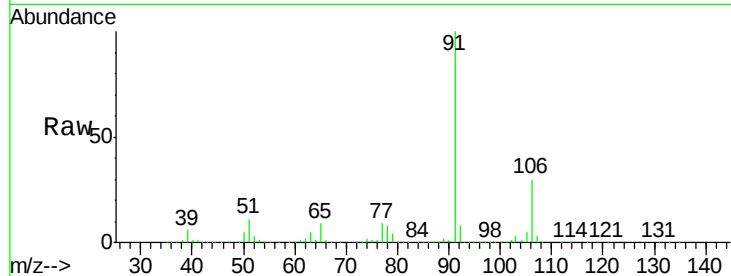
#67
Ethyl Benzene
Concen: 49.486 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 620225
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

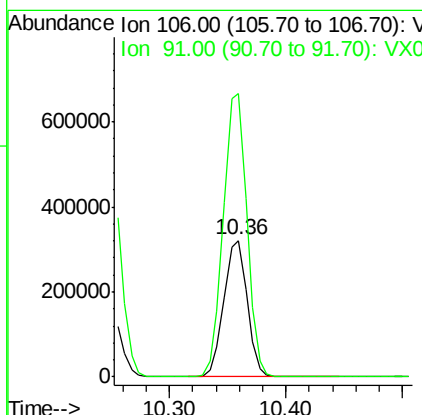
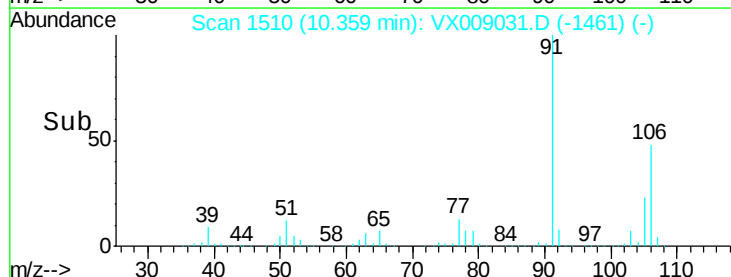
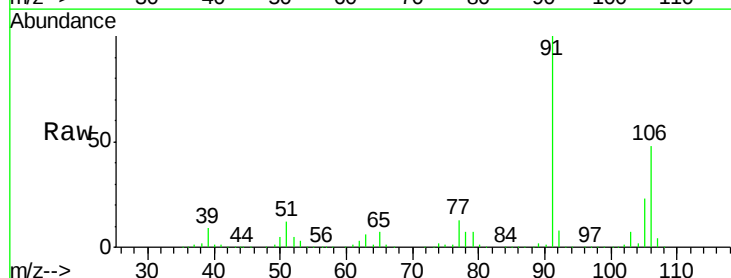
Manual Integrations
APPROVED

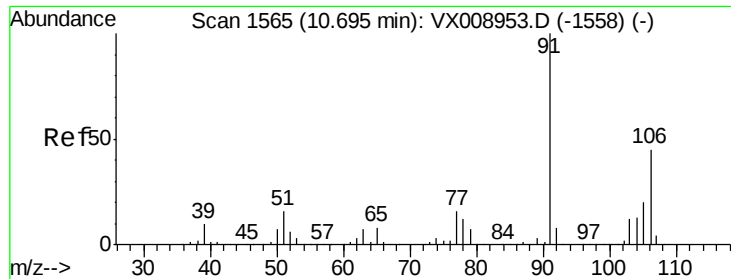
MMDadoda
4/19/2019 9:11:50 AM



#68
m/p-Xylenes
Concen: 97.751 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion: 106 Resp: 445245
Ion Ratio Lower Upper
106 100
91 210.6 165.4 248.2





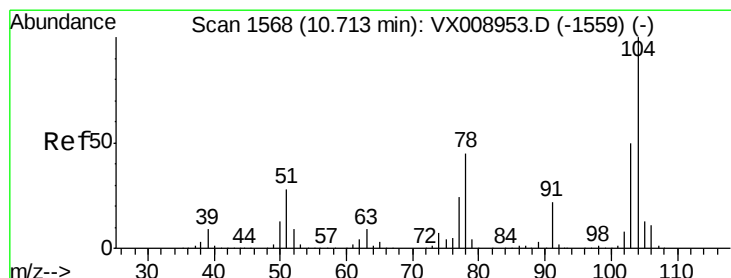
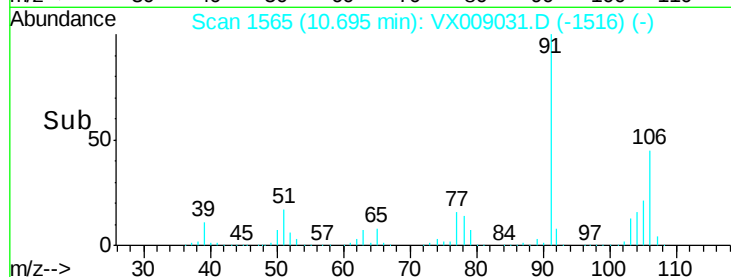
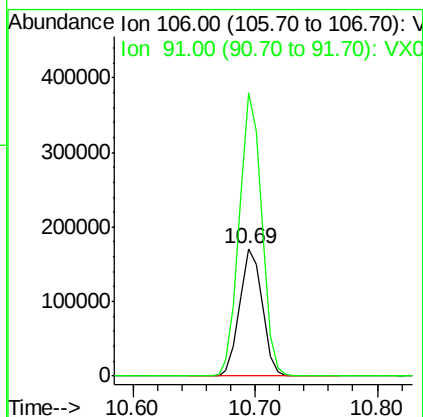
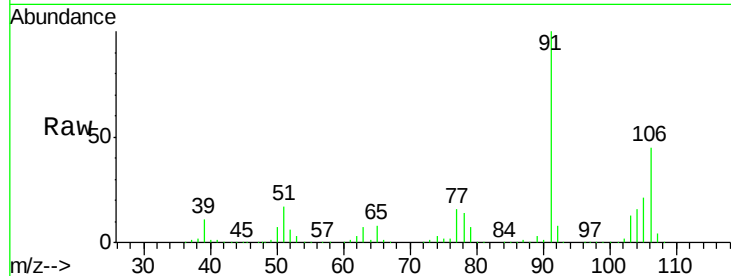
#69
o-Xylene
Concen: 49.029 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 217295
Ion Ratio Lower Upper
106 100
91 220.2 108.9 326.7

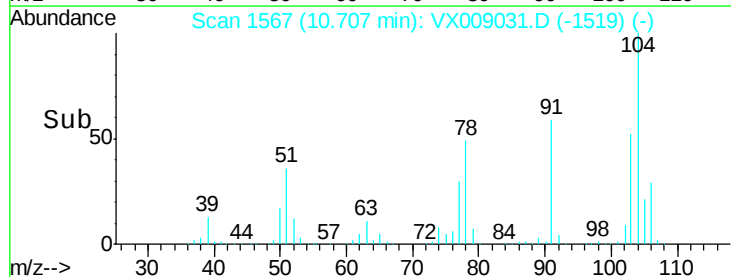
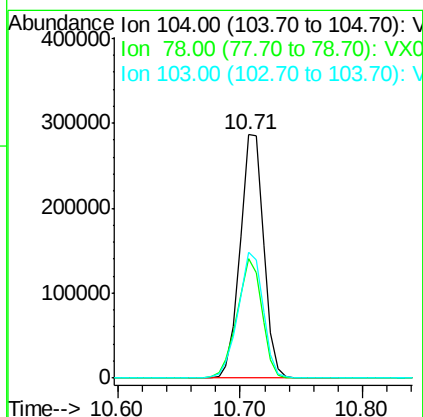
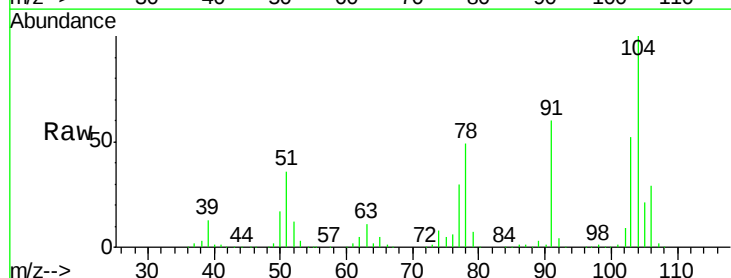
Manual Integrations
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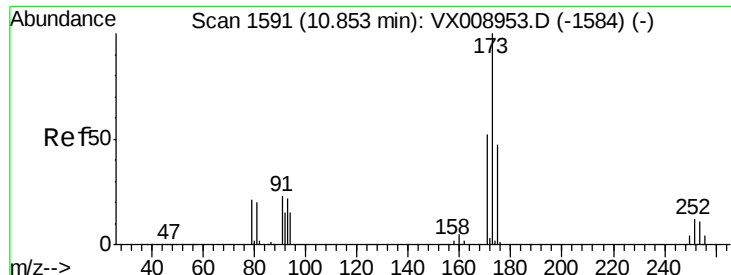
MMDadoda
4/19/2019 9:11:50 AM



#70
Styrene
Concen: 49.631 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion:104 Resp: 381177
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 48.728 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 93765

Ion Ratio Lower Upper

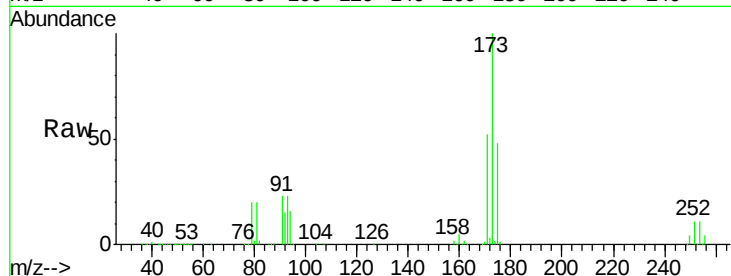
173 100

175 48.8 23.9 71.8

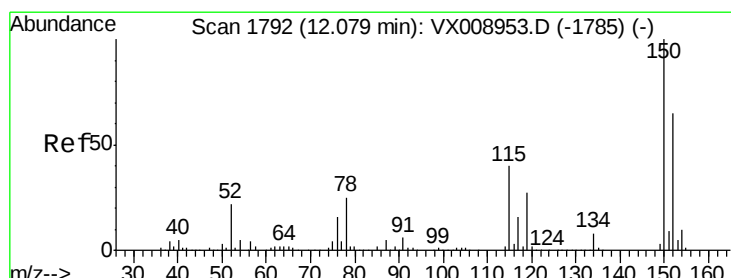
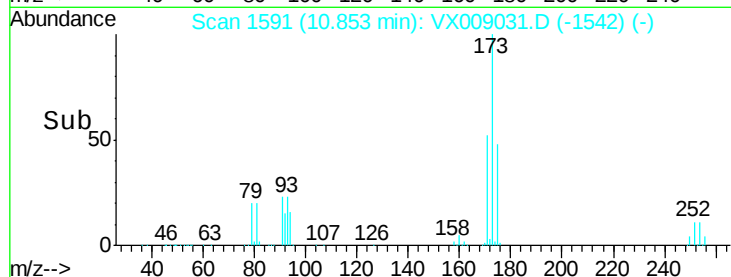
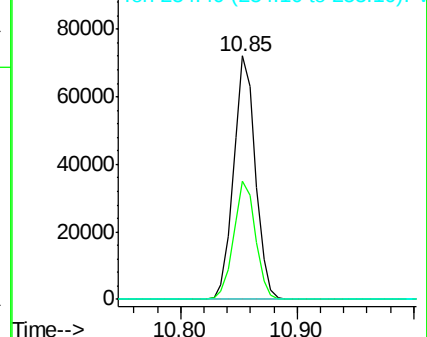
254 0.2 0.2 0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

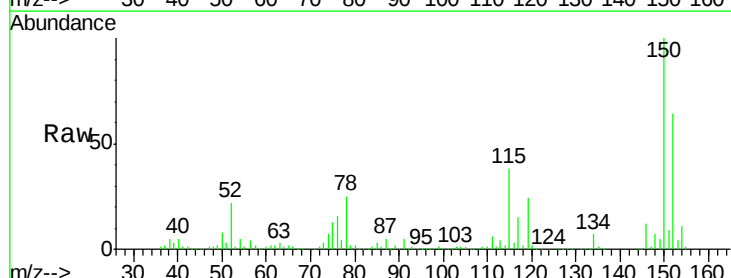
Tgt Ion:152 Resp: 154820

Ion Ratio Lower Upper

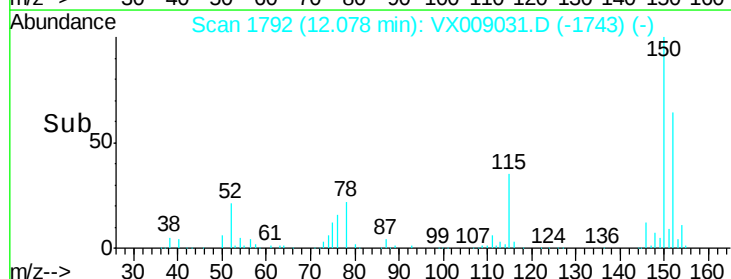
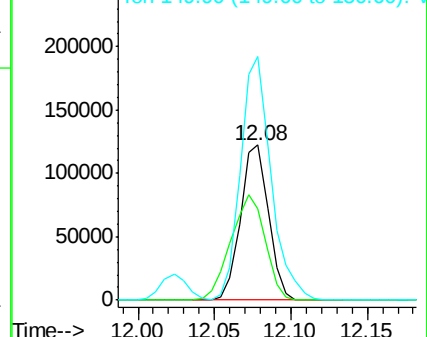
152 100

115 83.5 41.4 124.2

150 171.6 0.0 349.8



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





#73

Isopropylbenzene

Concen: 50.076 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 587648

Ion Ratio Lower Upper

105 100

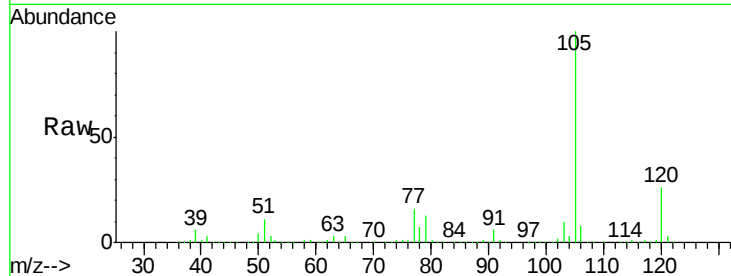
120 25.5 12.9 38.7

Manual Integrations

APPROVED

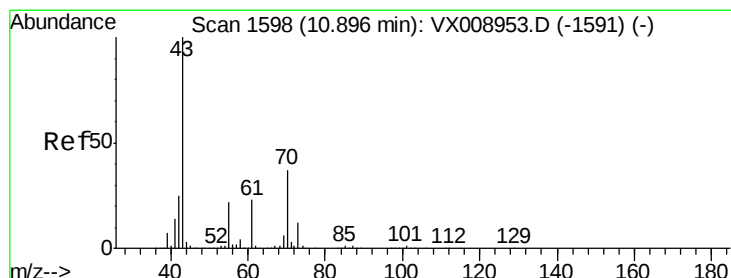
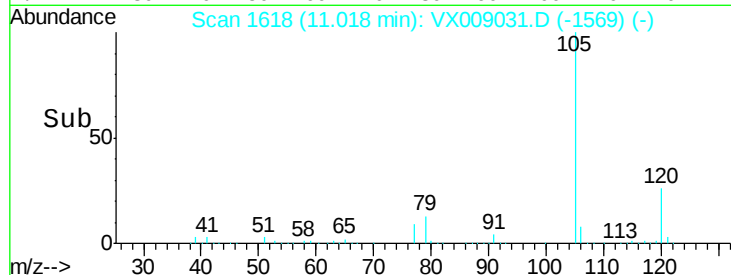
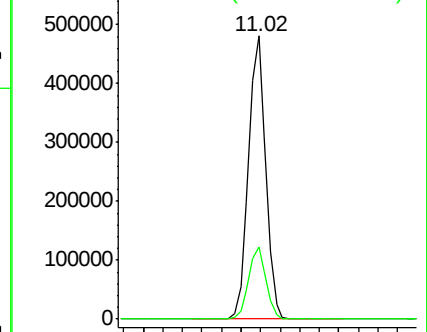
MMDadoda

4/19/2019 9:11:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.228 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tgt Ion: 43 Resp: 324967

Ion Ratio Lower Upper

43 100

70 37.5 29.9 44.9

55 22.7 17.8 26.8

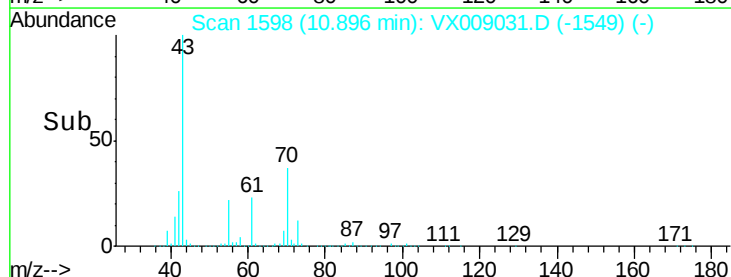
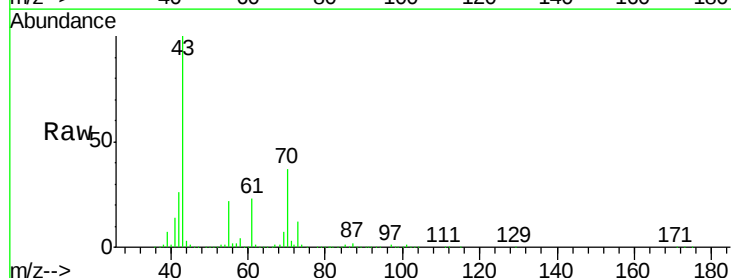
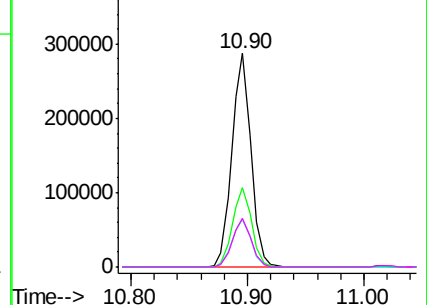
61 22.5 18.3 27.5

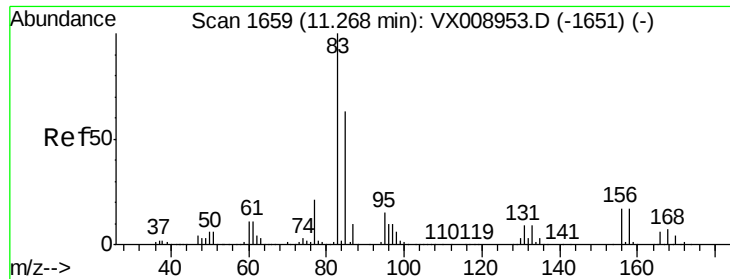
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.030 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

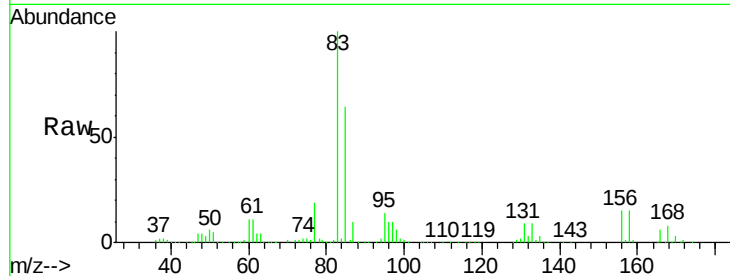
ClientSampleId :

VSTDCCC050

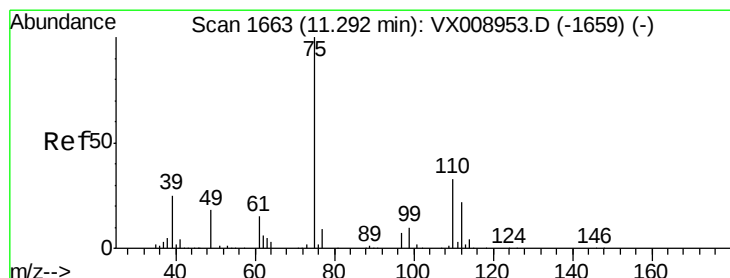
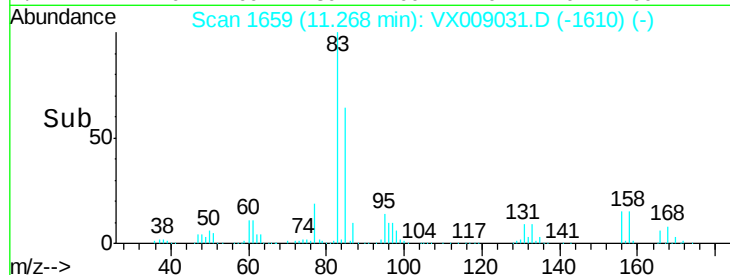
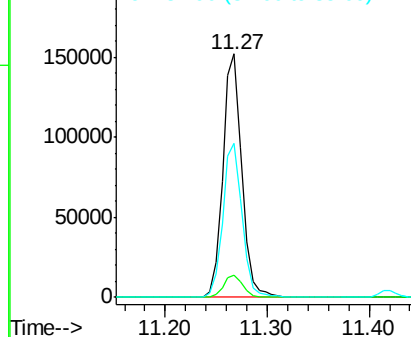
Tot Ion:	83	Resp:	197369
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	64.4	31.9	95.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.696 ug/l m

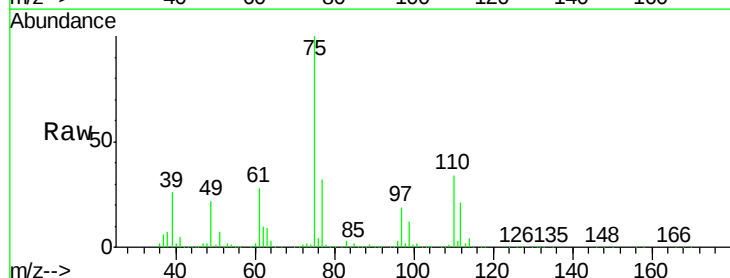
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

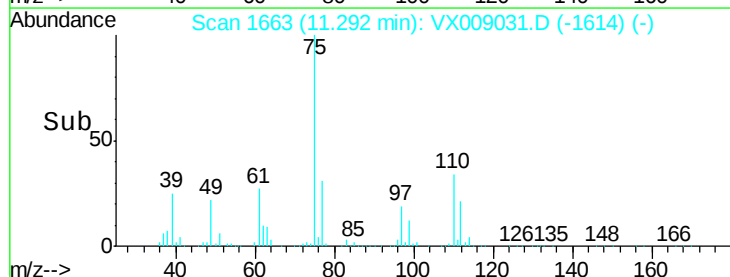
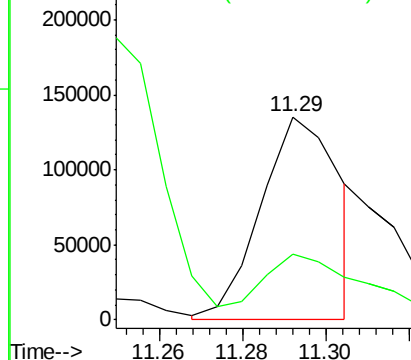
Lab File: VX009031.D

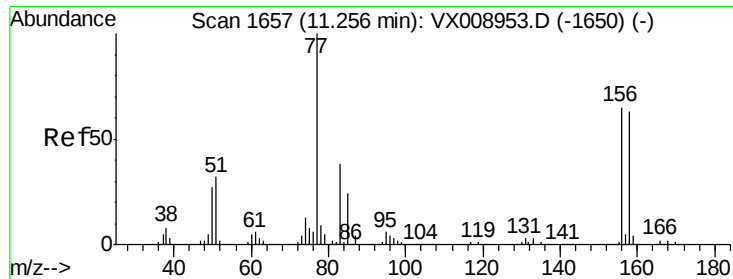
Acq: 18 Apr 2019 09:48

Tgt Ion:	75	Resp:	176530
Ion Ratio	Lower	Upper	
75	100		
77	43.6	22.7	68.0



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





#77

Bromobenzene

Concen: 46.880 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

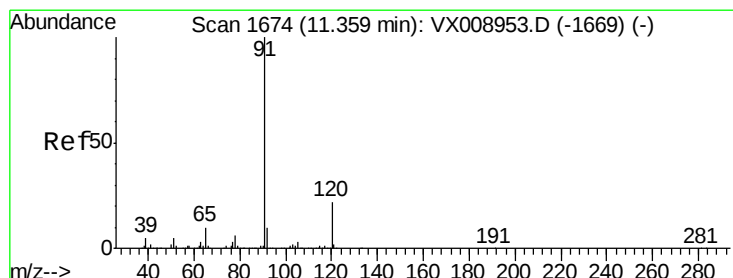
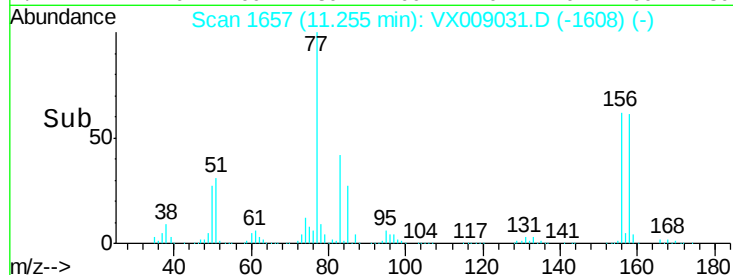
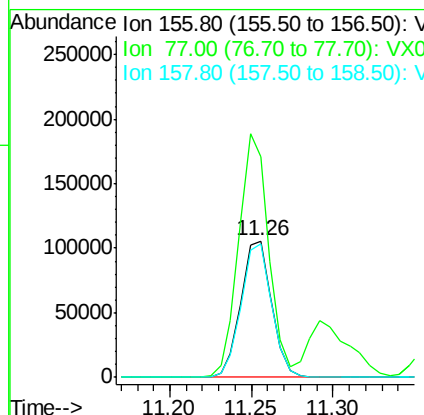
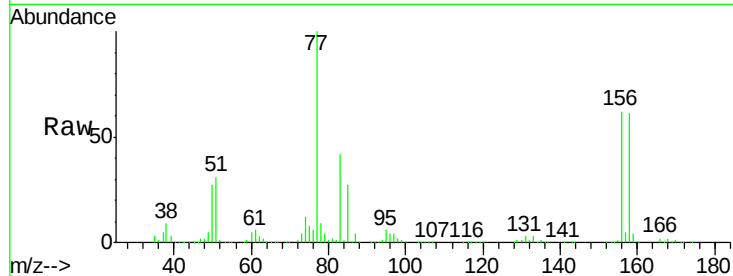
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	138806
Ion	Ratio	Lower	Upper
156	100		
77	173.8	85.4	256.1
158	97.4	48.8	146.4

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#78

n-propylbenzene

Concen: 51.061 ug/l

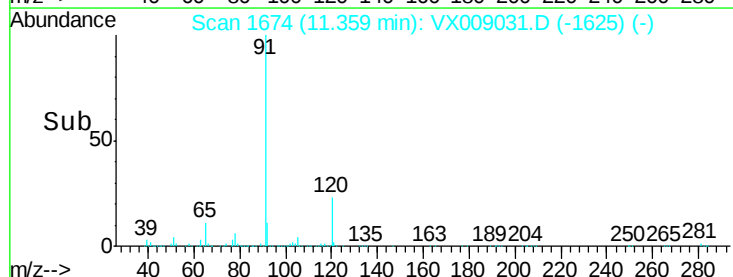
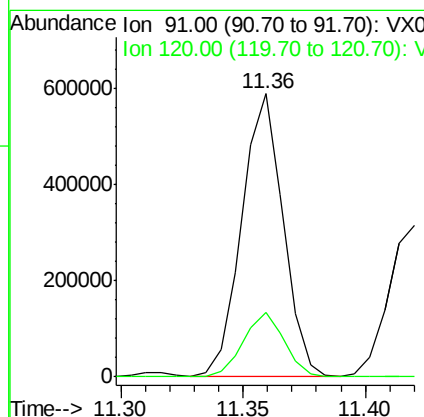
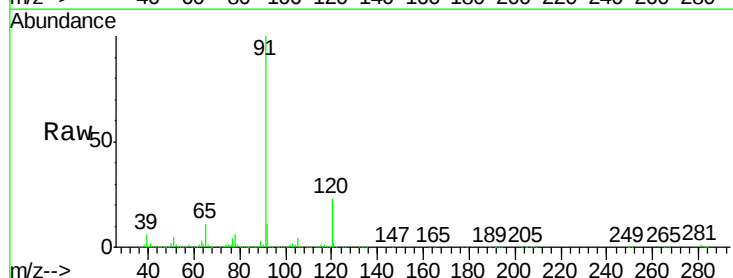
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tgt Ion:	91	Resp:	687757
Ion	Ratio	Lower	Upper
91	100		
120	22.4	10.9	32.9





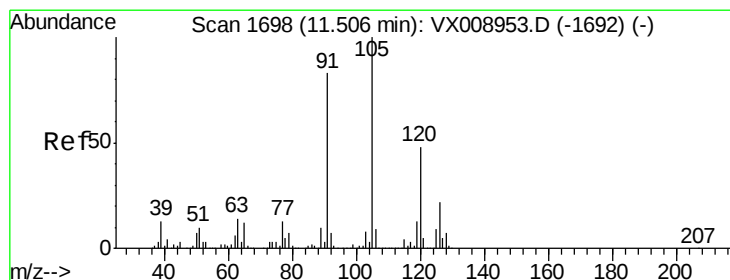
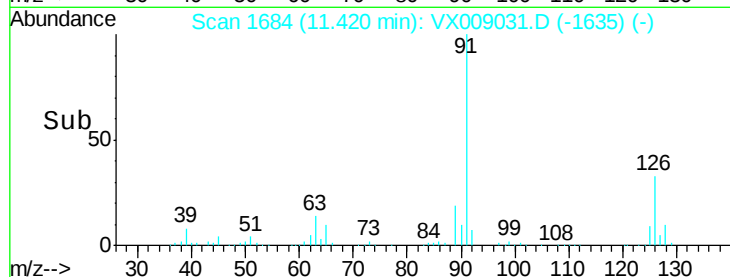
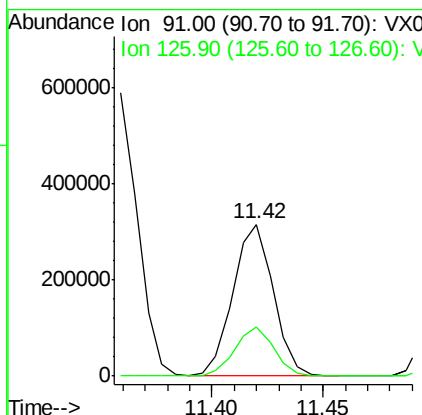
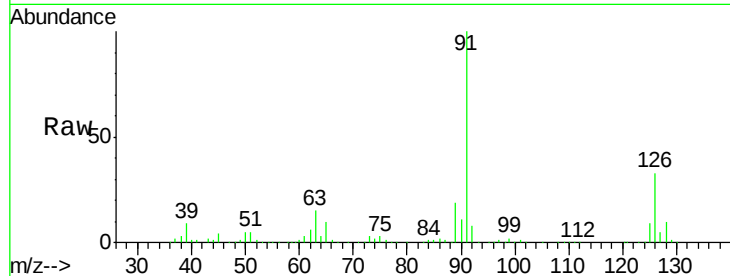
#79
 2-Chlorotoluene
 Concen: 49.055 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 398161
 Ion Ratio Lower Upper
 91 100
 126 31.9 16.3 48.9

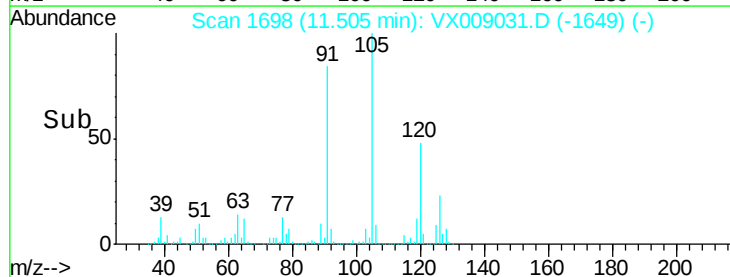
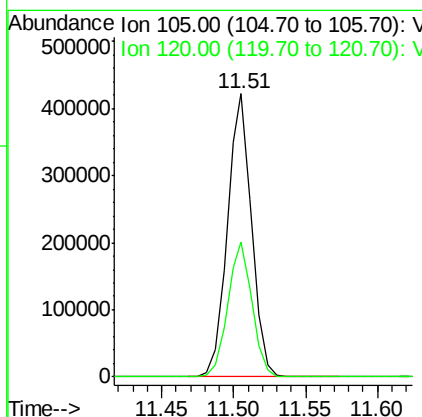
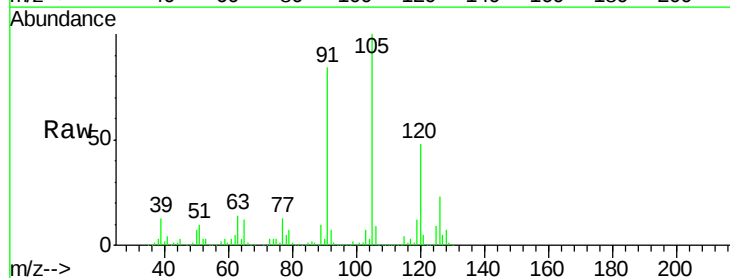
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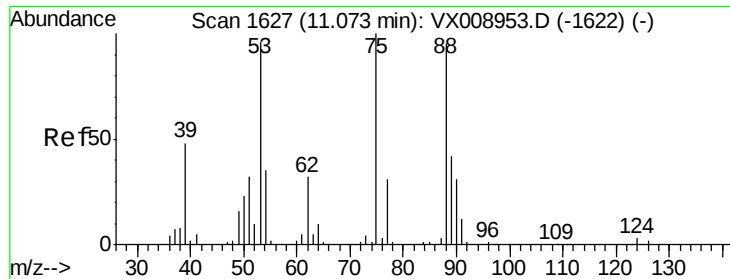
MMDadoda
 4/19/2019 9:11:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.373 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion: 105 Resp: 496053
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.3





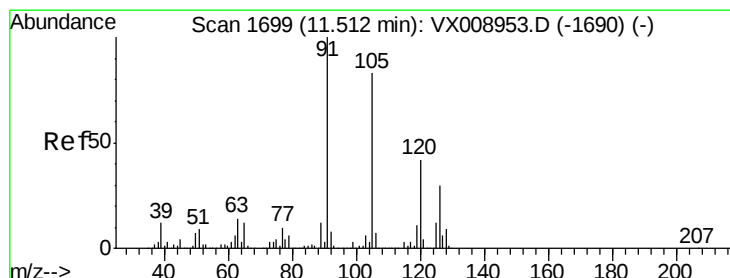
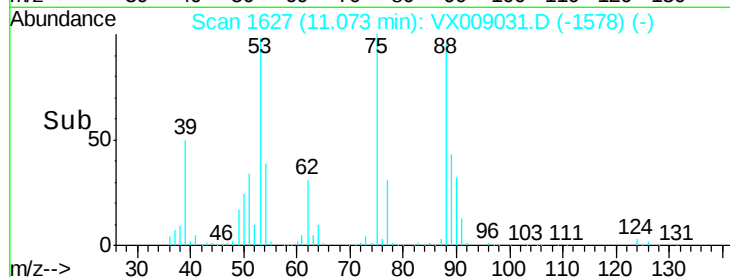
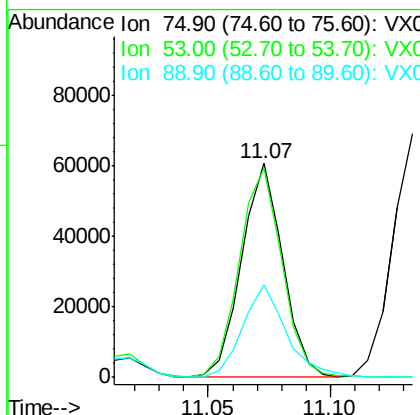
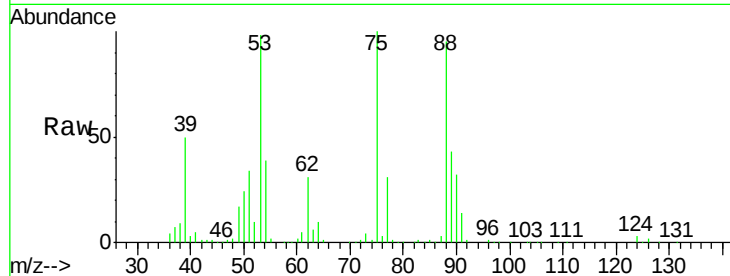
#81
trans-1,4-Dichloro-2-butene
Concen: 48.106 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	78.2	117.4
89	46.0	36.0	54.0

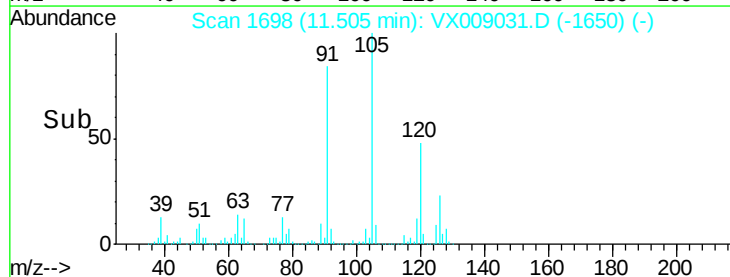
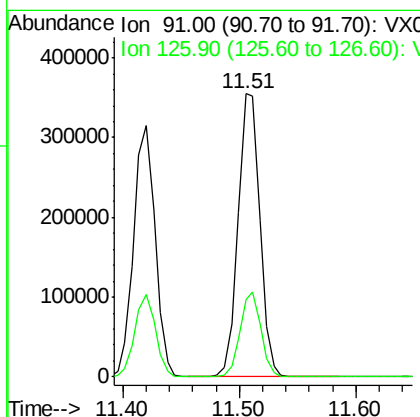
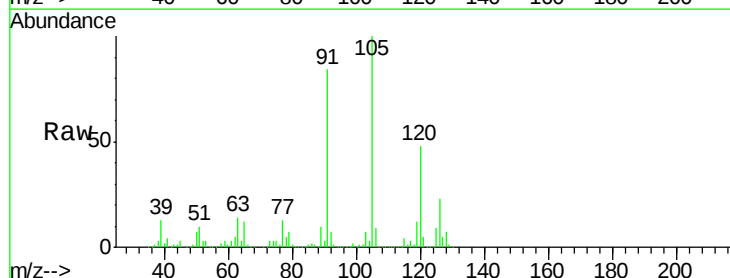
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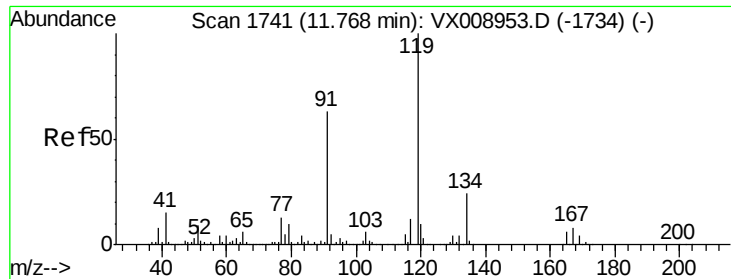
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#82
4-Chlorotoluene
Concen: 49.350 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.3	42.9





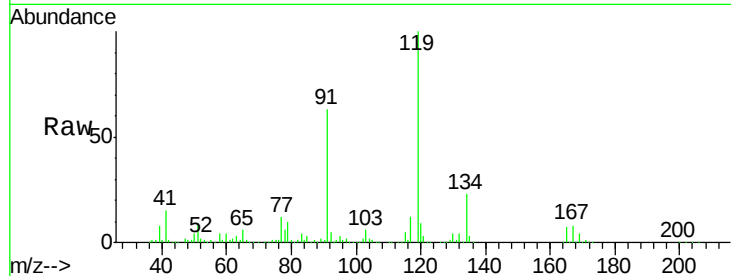
#83
 tert-Butylbenzene
 Concen: 49.343 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

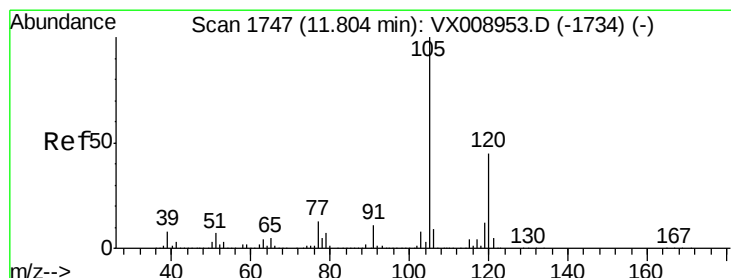
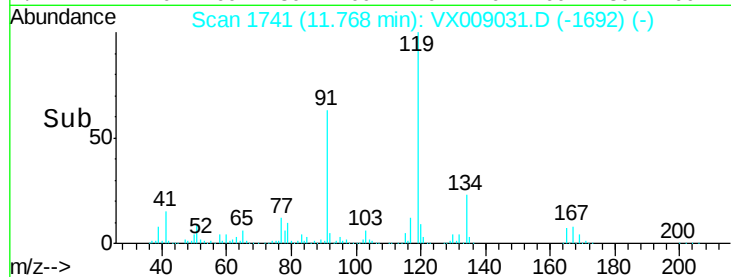
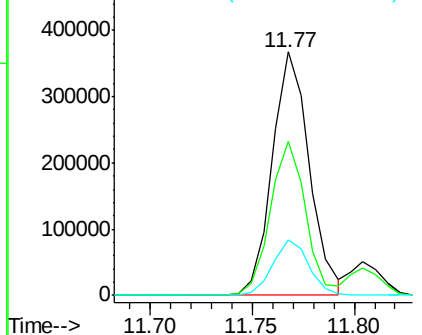
Tot Ion	Ratio	Resp	Lower	Upper
119	100	466517		
91	60.3	29.7	89.1	
134	22.2	11.2	33.5	

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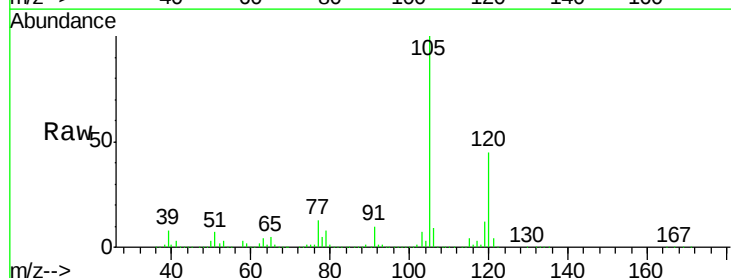


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

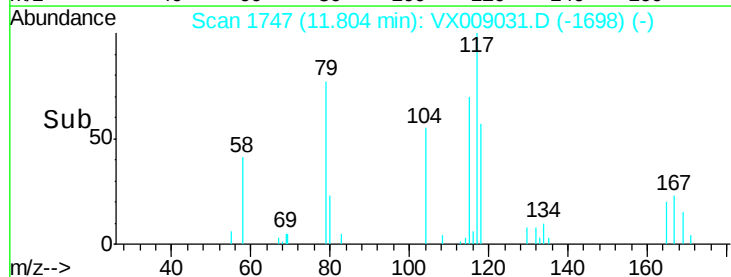
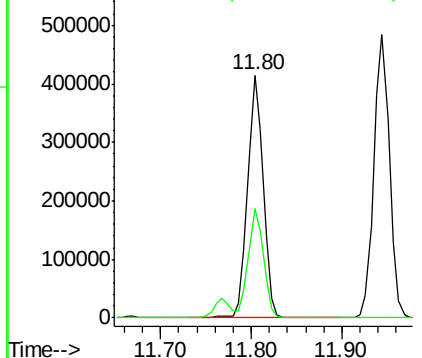


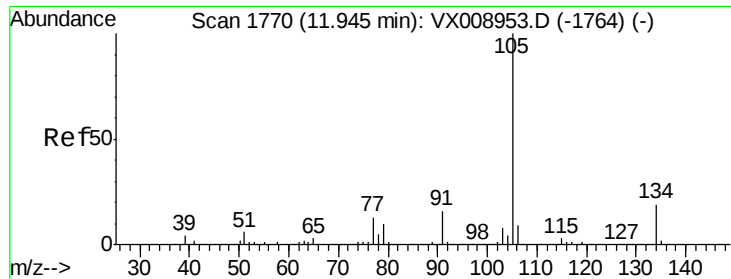
#84
 1,2,4-Trimethylbenzene
 Concen: 49.628 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	497476		
120	44.3	21.9	65.8	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.971 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 574764

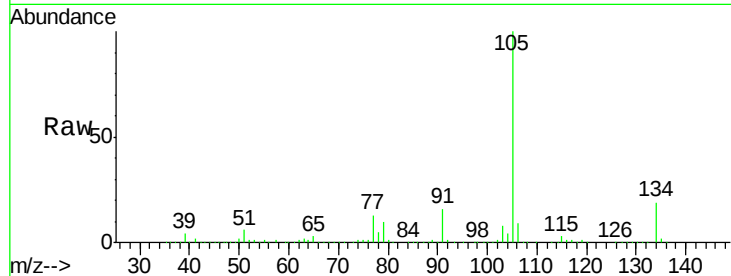
Ion Ratio Lower Upper

105 100

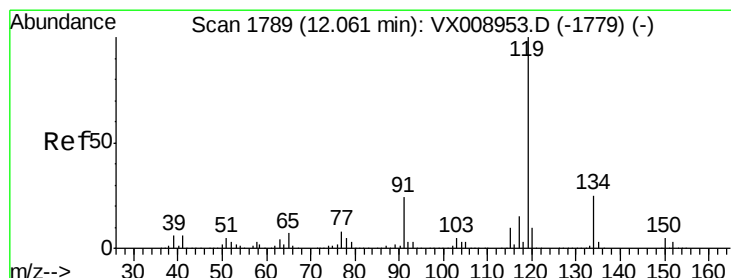
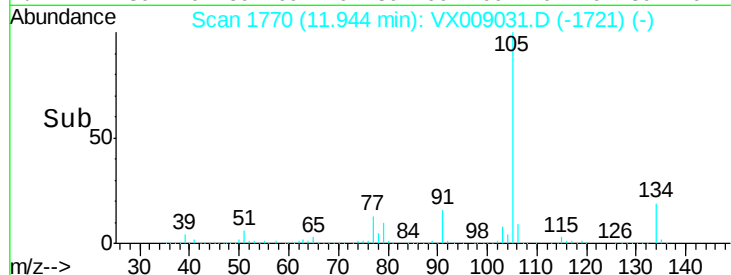
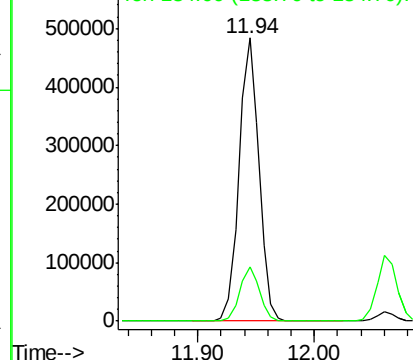
134 19.0 9.6 28.6

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.154 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

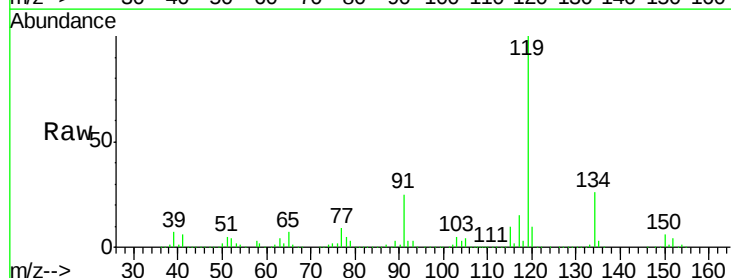
Tgt Ion:119 Resp: 519954

Ion Ratio Lower Upper

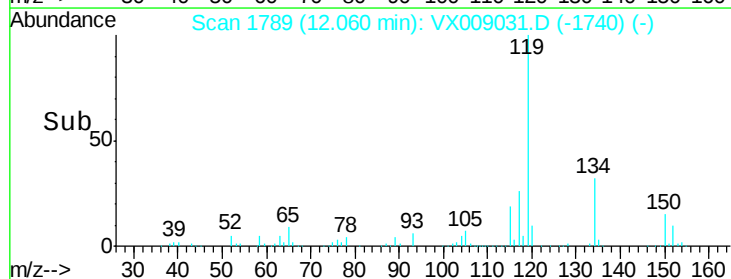
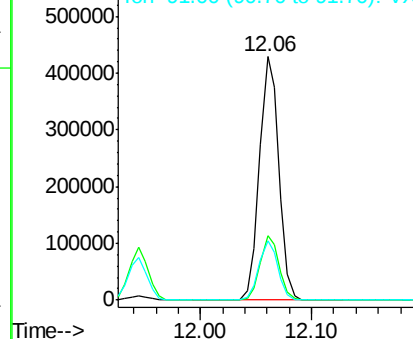
119 100

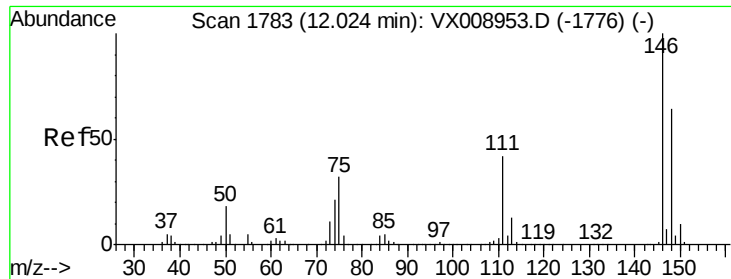
134 25.8 12.9 38.6

91 24.0 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





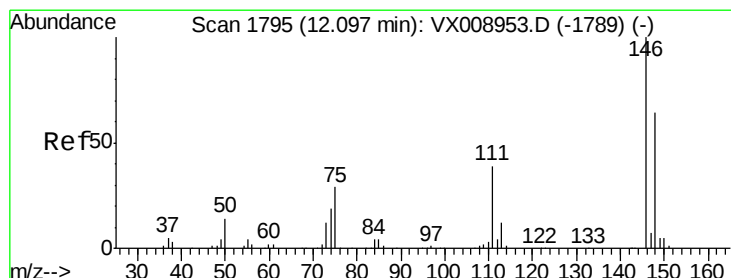
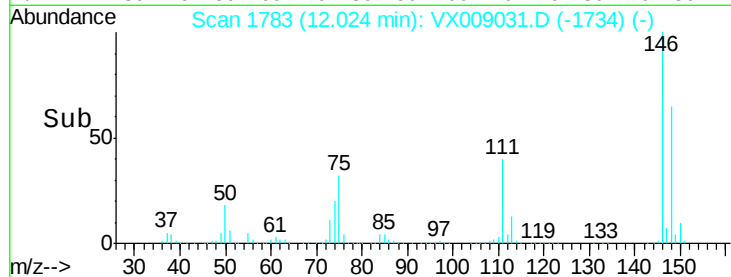
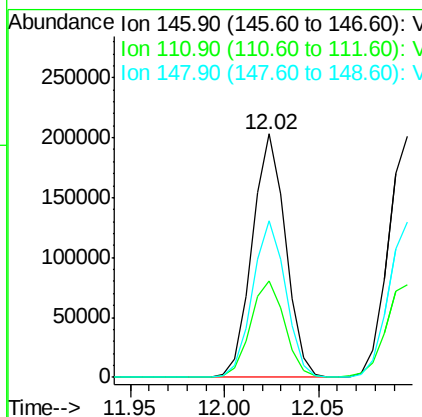
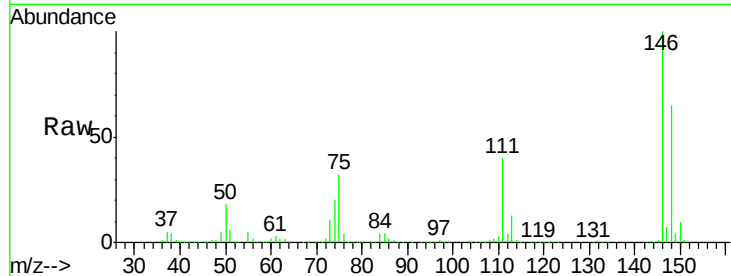
#87
 1,3-Dichlorobenzene
 Concen: 48.092 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.5	61.6
148	64.2	32.2	96.6

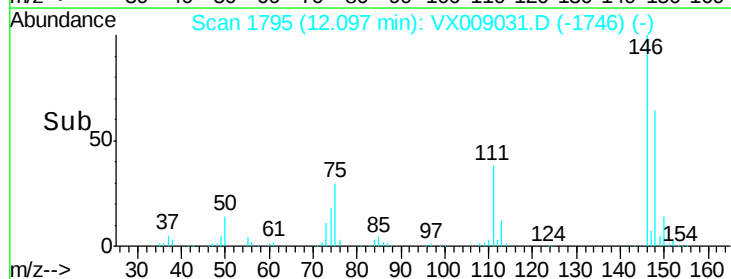
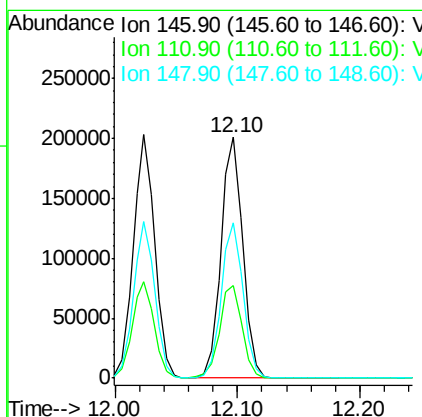
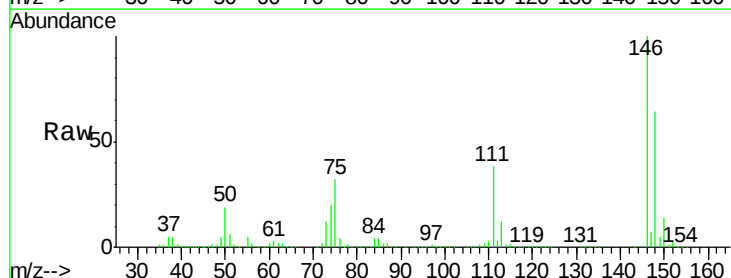
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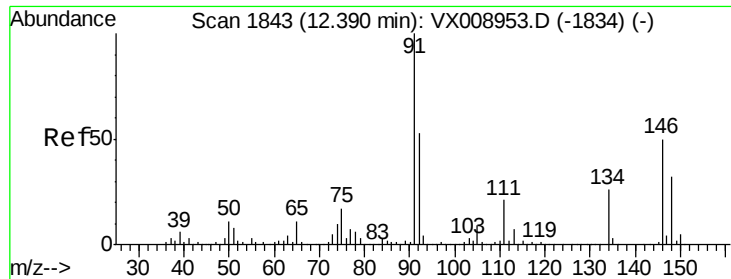
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#88
 1,4-Dichlorobenzene
 Concen: 47.021 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.7	32.2	96.6





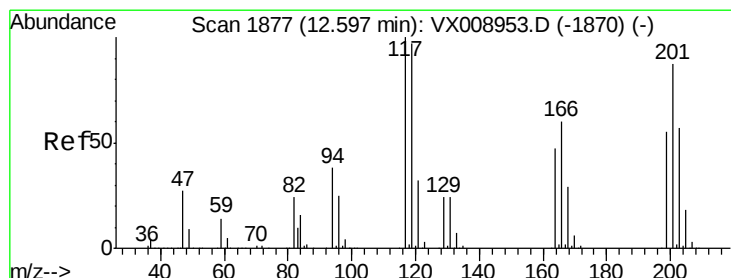
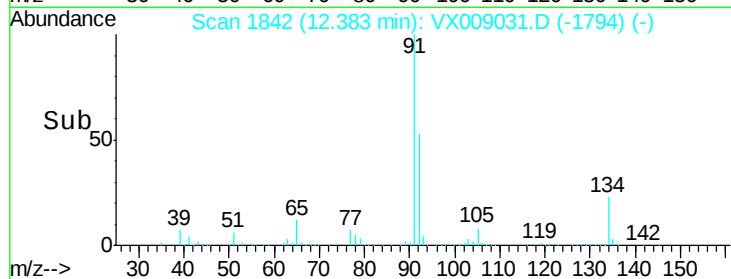
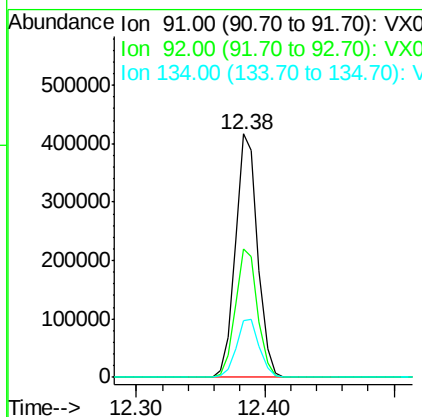
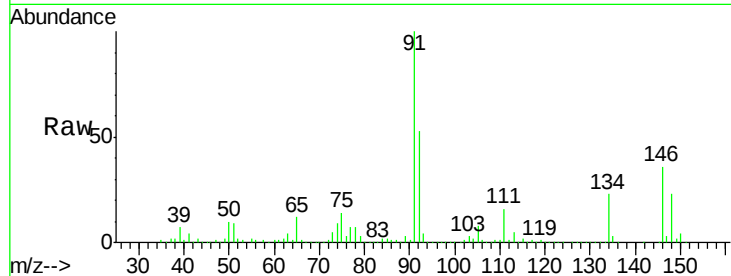
#89
n-Butylbenzene
Concen: 51.581 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	498015		
92	53.1	26.6	79.8	
134	24.4	12.4	37.2	

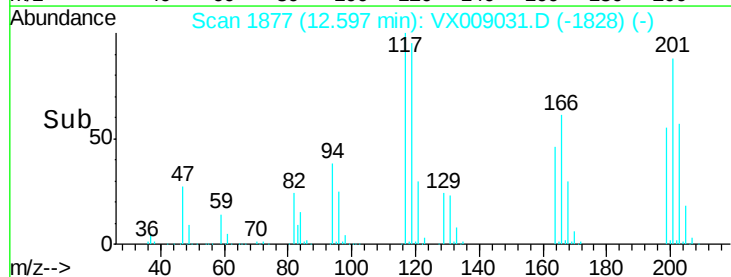
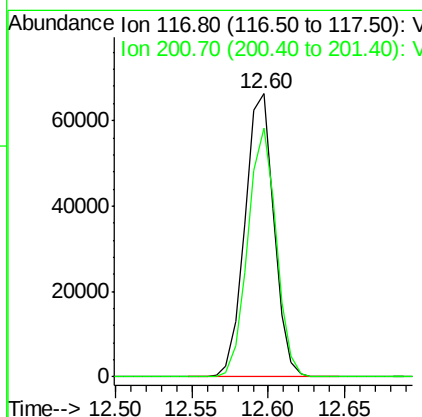
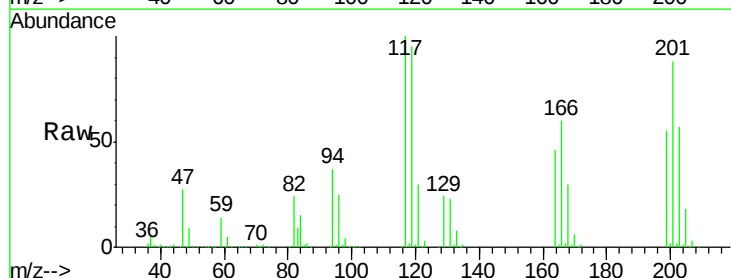
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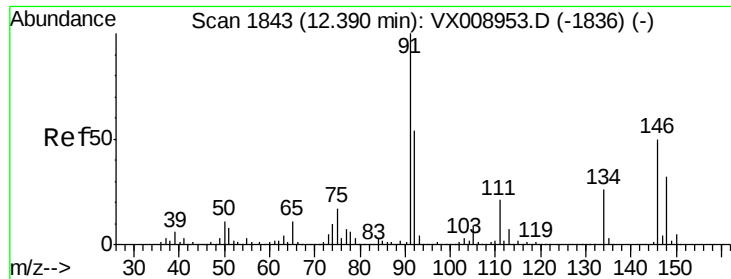
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#90
Hexachloroethane
Concen: 50.958 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009031.D
Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	87143		
201	86.0	43.0	129.0	





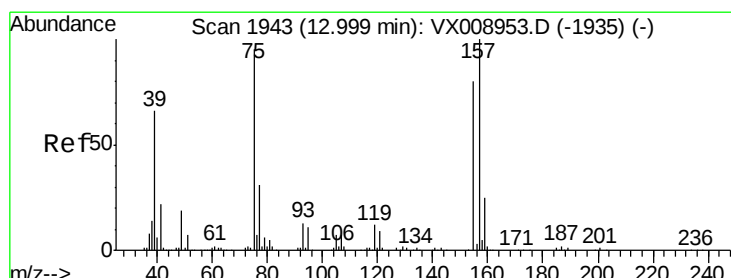
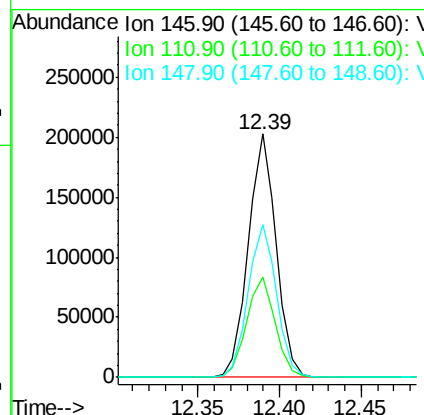
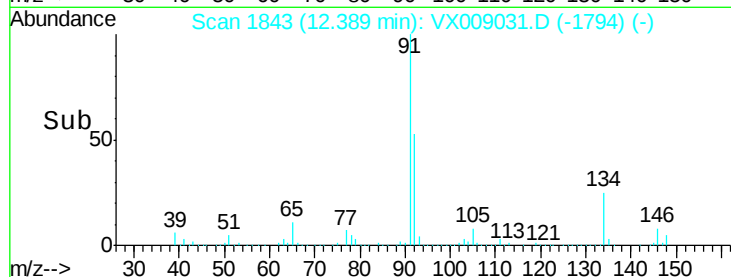
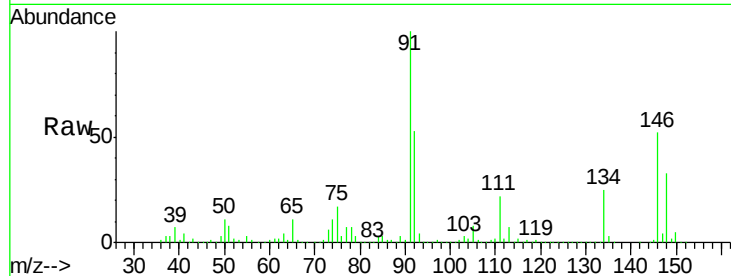
#91
 1,2-Dichlorobenzene
 Concen: 47.180 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.6	61.9
148	64.3	32.0	96.2

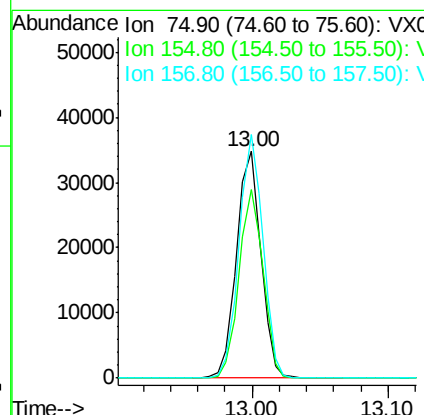
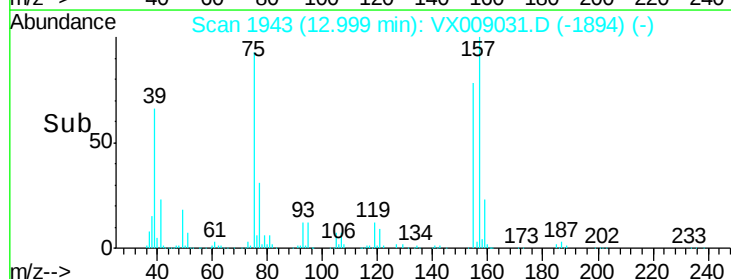
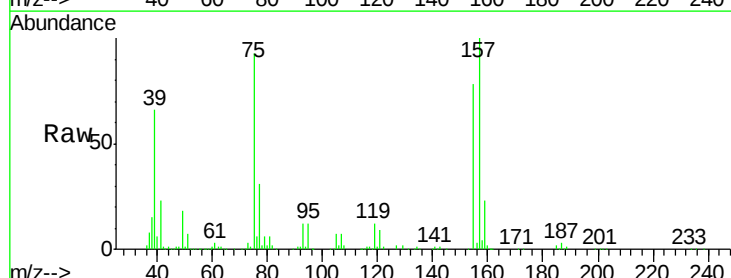
Manual Integrations
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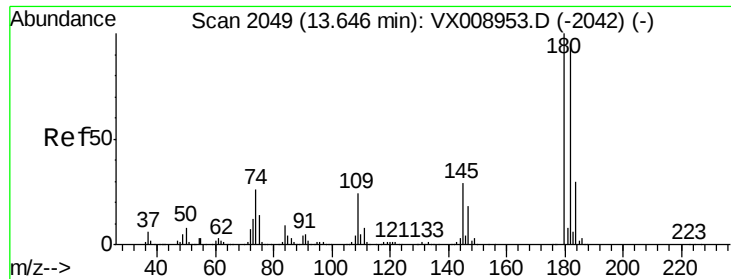
MMDadoda
 4/19/2019 9:11:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.416 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	41.2	123.6
157	105.4	52.5	157.6





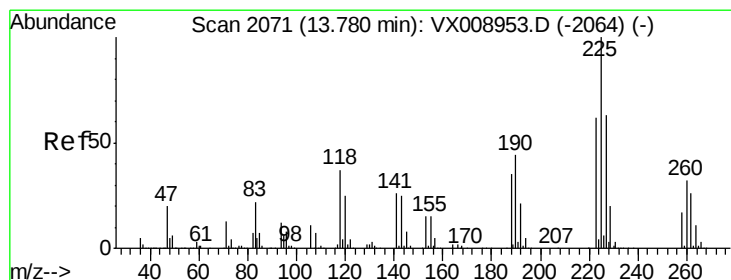
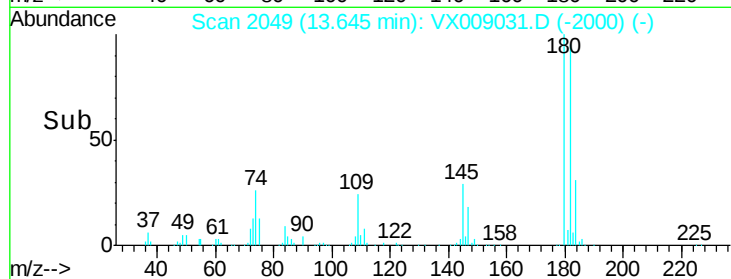
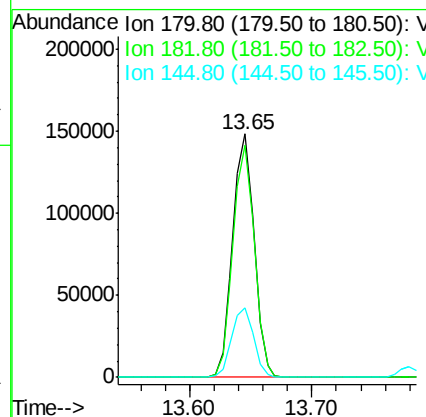
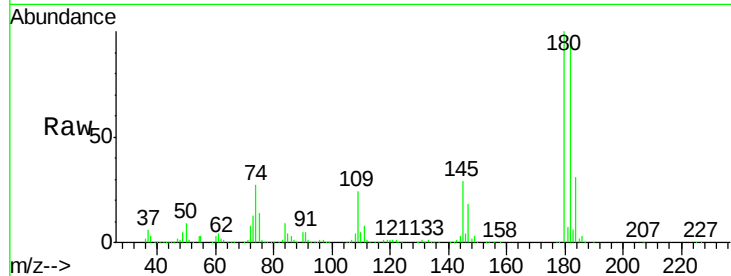
#93
 1,2,4-Trichlorobenzene
 Concen: 48.737 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	180034		
182	95.3	47.6	142.9	
145	29.3	14.8	44.4	

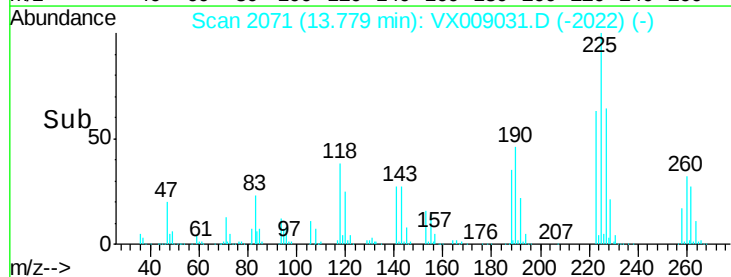
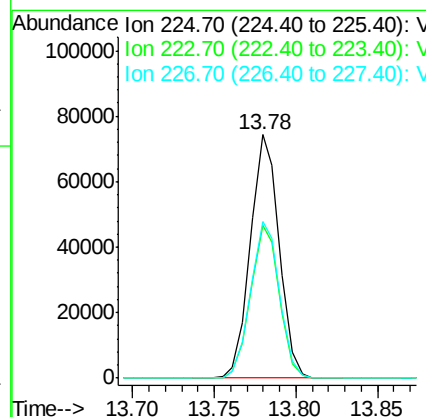
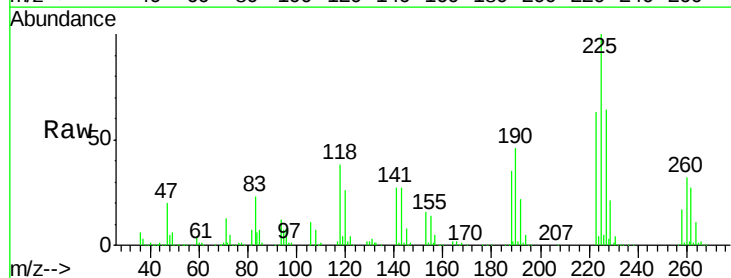
Manual Integrations
 APPROVED

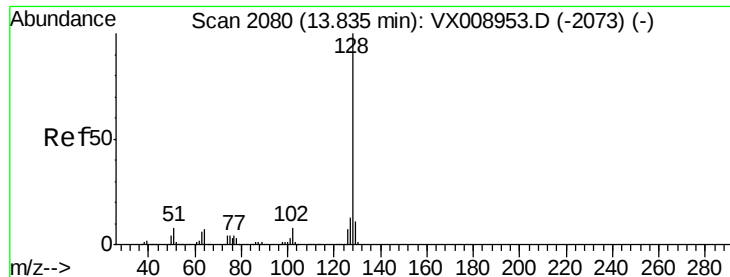
MMDadoda
 4/19/2019 9:11:50 AM



#94
 Hexachlorobutadiene
 Concen: 49.677 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009031.D
 Acq: 18 Apr 2019 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91524		
223	62.4	31.1	93.2	
227	64.2	32.0	96.2	





#95

Naphthalene

Concen: 47.082 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Instrument :

MSVOA_X

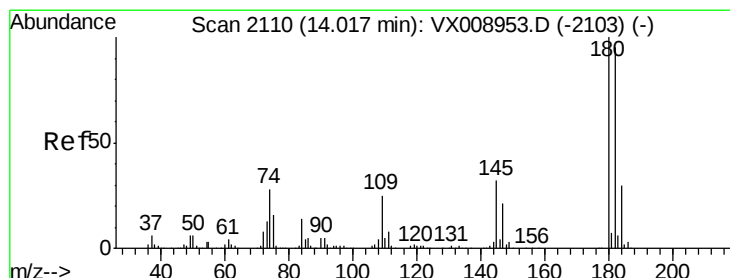
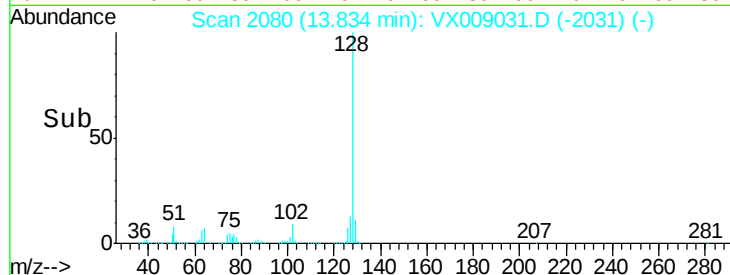
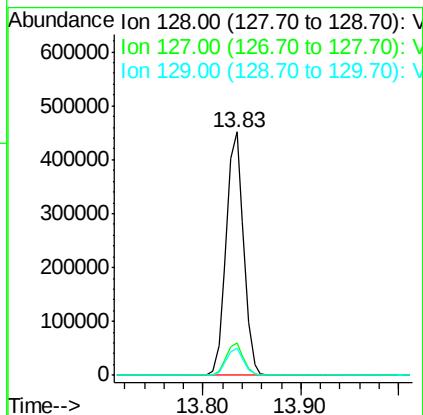
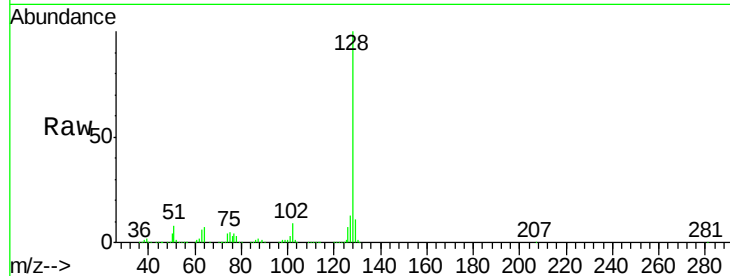
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	557213
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 48.650 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009031.D

Acq: 18 Apr 2019 09:48

Tgt Ion:	180	Resp:	177317
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.8	143.4
145	30.8	15.8	47.3

