

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043019\
 Data File : VX009233.D
 Acq On : 30 Apr 2019 09:53
 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

5/1/2019 10:04:58 AM

Quant Time: May 01 01:34:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	196680	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	314172	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	140303	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	133254	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	5.49	113	100154	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	8.71	98	407375	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.13	95	148209	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	100402	55.396	ug/l	99
3) Chloromethane	1.32	50	129503	52.336	ug/l	100
4) Vinyl Chloride	1.41	62	128102	53.091	ug/l	98
5) Bromomethane	1.64	94	73317	50.625	ug/l	97
6) Chloroethane	1.71	64	77804	50.223	ug/l	100
7) Trichlorofluoromethane	1.92	101	158606	54.076	ug/l	99
8) Diethyl Ether	2.18	74	71845	51.713	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101411	55.060	ug/l	99
10) Methyl Iodide	2.51	142	104881	49.101	ug/l	100
11) Tert butyl alcohol	3.05	59	149958	241.287	ug/l	99
12) 1,1-Dichloroethene	2.37	96	99217	53.764	ug/l	99
13) Acrolein	2.29	56	118597	210.710	ug/l	99
14) Allyl chloride	2.72	41	233025	51.814	ug/l	100
15) Acrylonitrile	3.14	53	374639	246.539	ug/l	99
16) Acetone	2.44	43	378086	262.251	ug/l	99
17) Carbon Disulfide	2.57	76	274640	53.007	ug/l	100
18) Methyl Acetate	2.77	43	167301	48.795	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	373792	52.160	ug/l	100
20) Methylene Chloride	2.85	84	115928	49.663	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	105205	52.567	ug/l	99
22) Diisopropyl ether	3.85	45	457459	52.892	ug/l	94
23) Vinyl Acetate	3.81	43	1992086	268.978	ug/l	100
24) 1,1-Dichloroethane	3.69	63	220515	51.684	ug/l	99
25) 2-Butanone	4.67	43	589271	263.026	ug/l	98
26) 2,2-Dichloropropane	4.58	77	170752	53.767	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	124703	52.202	ug/l	99
28) Bromochloromethane	5.01	49	84699	49.275	ug/l	99
29) Tetrahydrofuran	5.12	42	367978	255.247	ug/l	99
30) Chloroform	5.21	83	202617	52.507	ug/l	100
31) Cyclohexane	5.57	56	217511	54.796	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	168744	52.530	ug/l	100
36) 1,1-Dichloropropene	5.79	75	156893	53.737	ug/l	100
37) Ethyl Acetate	4.82	43	210400	51.722	ug/l	99
38) Carbon Tetrachloride	5.78	117	142360	53.666	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	201898	56.308	ug/l	97
40) Benzene	6.13	78	474868	52.554	ug/l	99
41) Methacrylonitrile	5.04	41	118291	48.850	ug/l	98
42) 1,2-Dichloroethane	6.18	62	168522	51.992	ug/l	99
43) Isopropyl Acetate	6.44	43	341390	52.466	ug/l	100
44) Trichloroethene	7.21	130	115443	52.848	ug/l	100
45) 1,2-Dichloropropane	7.51	63	135732	53.050	ug/l	99
46) Dibromomethane	7.66	93	76655	51.593	ug/l	99
47) Bromodichloromethane	7.89	83	156660	52.859	ug/l	99
48) Methyl methacrylate	7.77	41	170979	52.964	ug/l	99
49) 1,4-Dioxane	7.74	88	63819	974.816	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1105237	259.871	ug/l	100
52) Toluene	8.78	92	289466	52.701	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	184766	55.218	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	203974	55.074	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	117079	52.248	ug/l	97
56) Ethyl methacrylate	9.18	69	216135	54.034	ug/l	100
57) 1,3-Dichloropropane	9.37	76	207342	52.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	554742	261.425	ug/l	100
59) 2-Hexanone	9.49	43	890398	266.564	ug/l	99
60) Dibromochloromethane	9.58	129	117810	53.829	ug/l	99
61) 1,2-Dibromoethane	9.67	107	118824	52.531	ug/l	100
64) Tetrachloroethene	9.34	164	105709	55.147	ug/l	99
65) Chlorobenzene	10.13	112	300512	53.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	109867	54.211	ug/l	100
67) Ethyl Benzene	10.25	91	565997	55.015	ug/l	100
68) m/p-Xylenes	10.36	106	414040	110.130	ug/l	98
69) o-Xylene	10.69	106	200949	54.173	ug/l	100
70) Styrene	10.71	104	355374	55.121	ug/l	99
71) Bromoform	10.85	173	89234	54.181	ug/l #	99
73) Isopropylbenzene	11.02	105	543967	53.316	ug/l	100
74) N-amyl acetate	10.90	43	317299	53.343	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	189537	49.834	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	170577m	52.412	ug/l	
77) Bromobenzene	11.25	156	132492	52.320	ug/l	99
78) n-propylbenzene	11.36	91	640732	54.989	ug/l	100
79) 2-Chlorotoluene	11.42	91	373194	51.914	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	464441	54.063	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	68496	53.850	ug/l	98
82) 4-Chlorotoluene	11.51	91	435884	53.673	ug/l	99
83) tert-Butylbenzene	11.77	119	441220	52.797	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	468826	54.370	ug/l	99
85) sec-Butylbenzene	11.94	105	539554	54.457	ug/l	100
86) p-Isopropyltoluene	12.06	119	494588	55.528	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	243530	53.945	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	241615	53.087	ug/l	99
89) n-Butylbenzene	12.38	91	459832	57.118	ug/l	99
90) Hexachloroethane	12.60	117	83651	55.125	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	238650	51.902	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43293	50.741	ug/l	97

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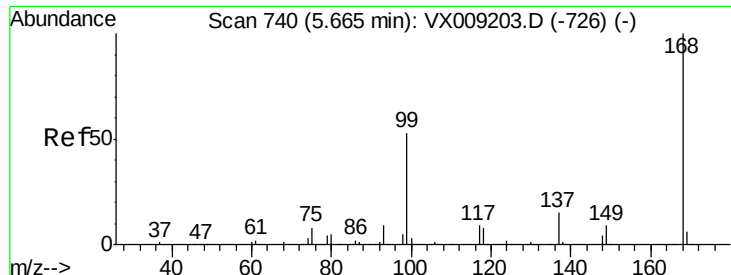
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	173821	55.281	ug/l	99
94) Hexachlorobutadiene	13.78	225	87401	54.432	ug/l	99
95) Naphthalene	13.83	128	537990	52.590	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	171141	53.695	ug/l	99

(#) = 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

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 196680

Ion Ratio Lower Upper

168 100

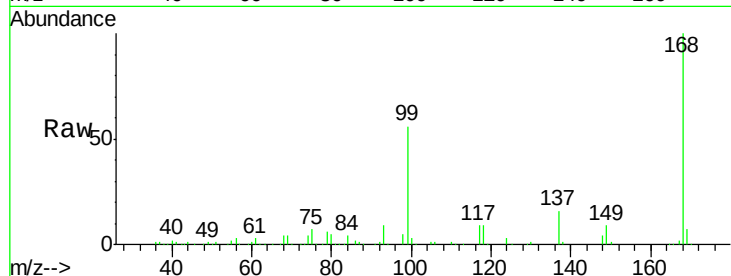
99 55.7 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

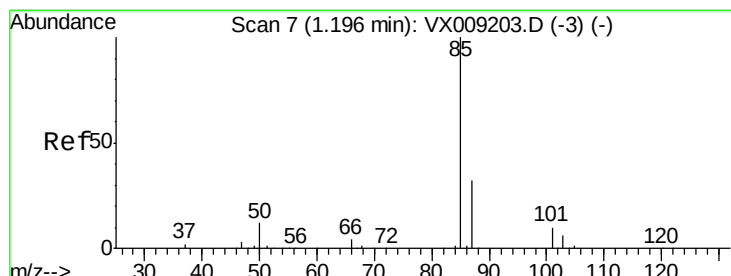
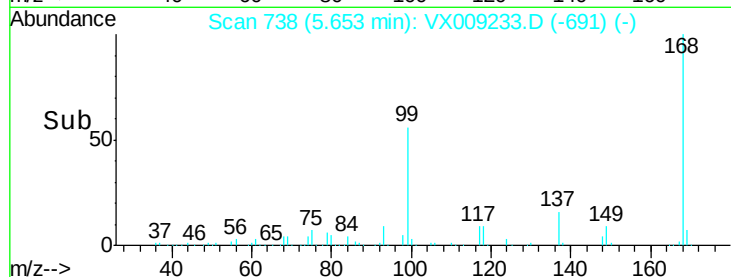
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 55.396 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009233.D

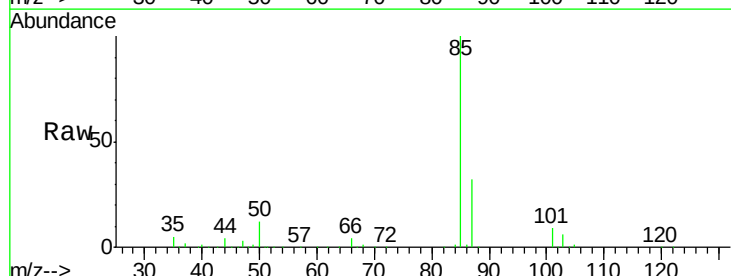
Acq: 30 Apr 2019 09:53

Tgt Ion: 85 Resp: 100402

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

100000

80000

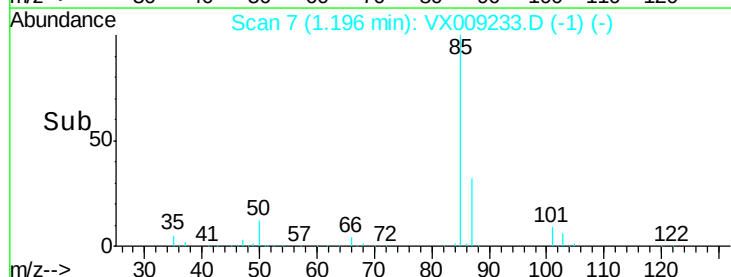
60000

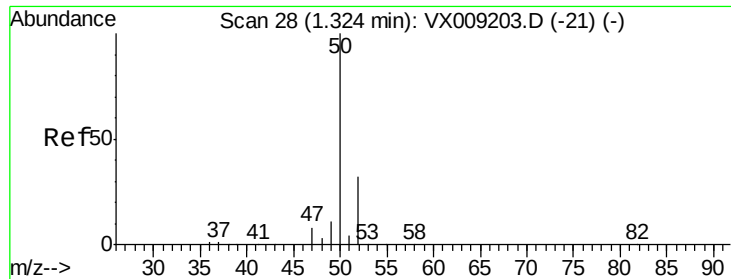
40000

20000

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Time-->





#3

Chloromethane

Concen: 52.336 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 129503

Ion Ratio Lower Upper

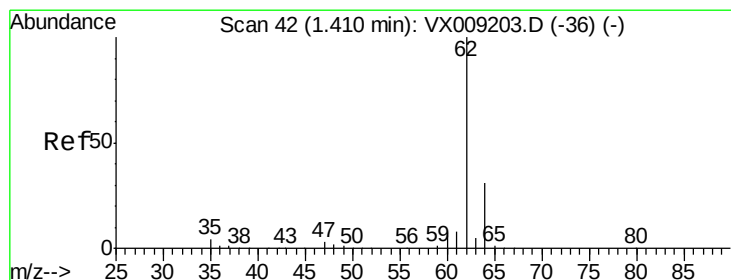
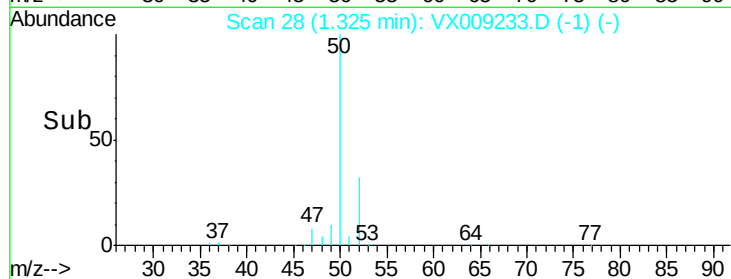
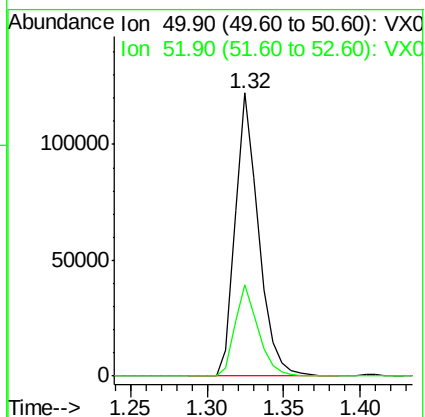
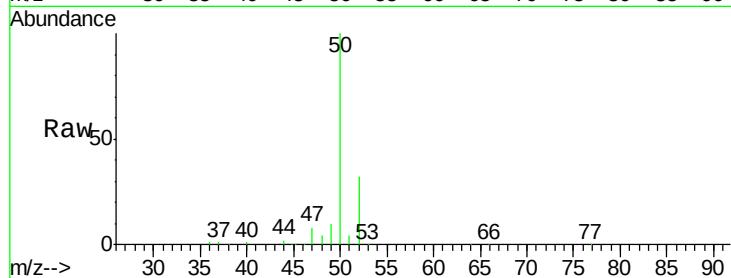
50 100

52 32.4 25.9 38.9

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#4

Vinyl Chloride

Concen: 53.091 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009233.D

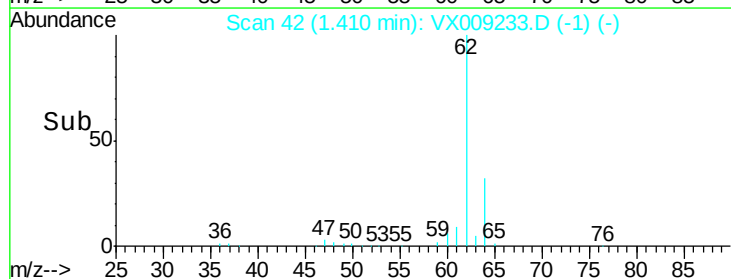
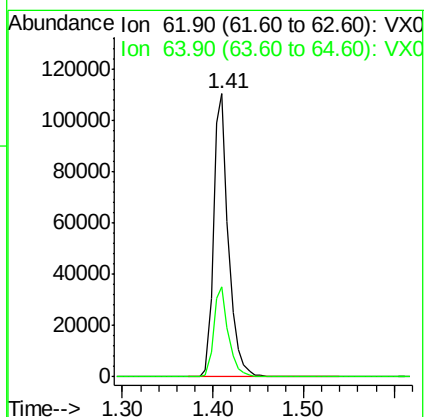
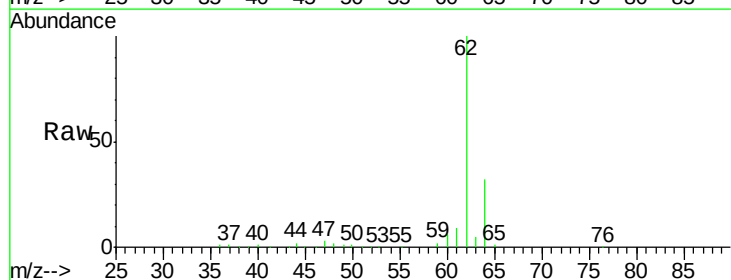
Acq: 30 Apr 2019 09:53

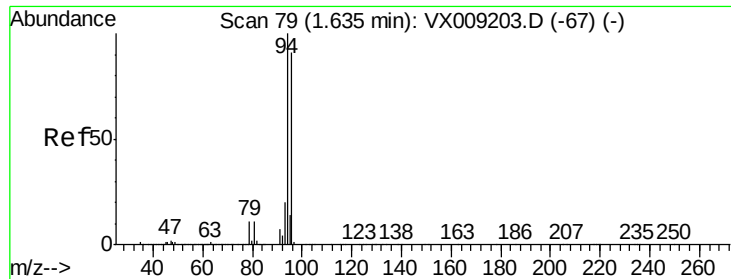
Tgt Ion: 62 Resp: 128102

Ion Ratio Lower Upper

62 100

64 32.1 24.6 36.8





#5

Bromomethane

Concen: 50.625 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 73317

Ion Ratio Lower Upper

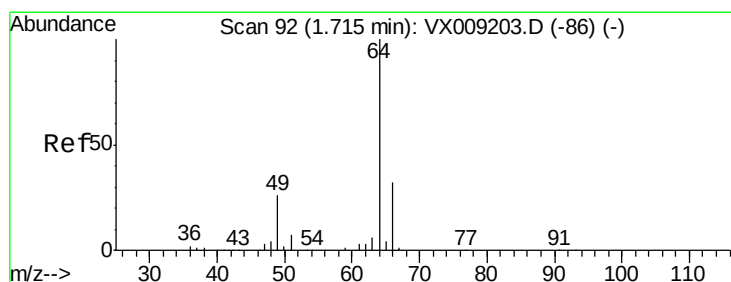
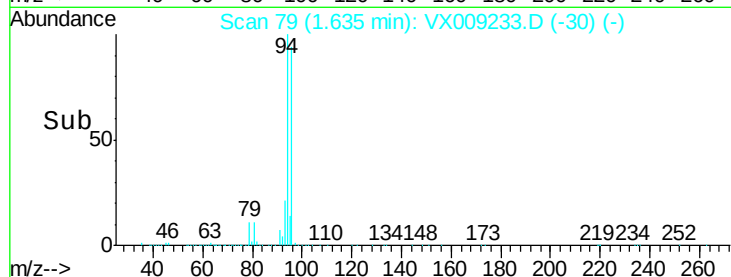
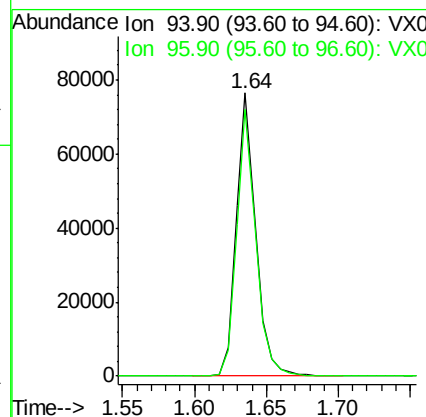
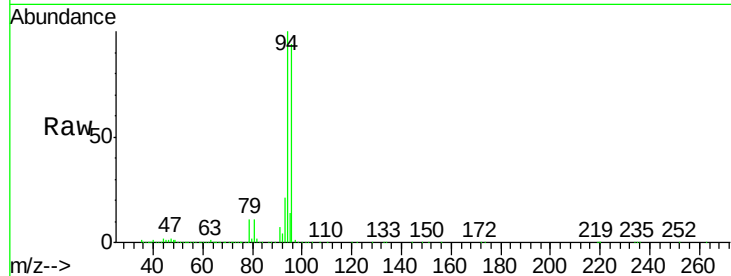
94 100

96 94.1 73.0 109.6

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#6

Chloroethane

Concen: 50.223 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009233.D

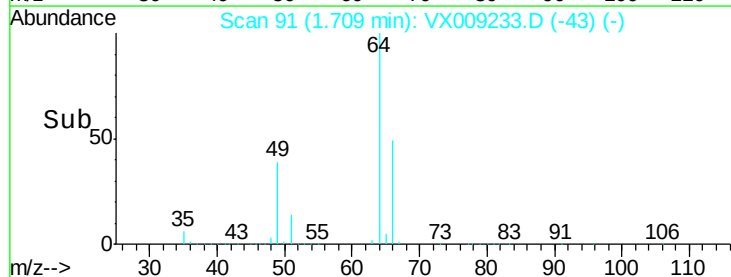
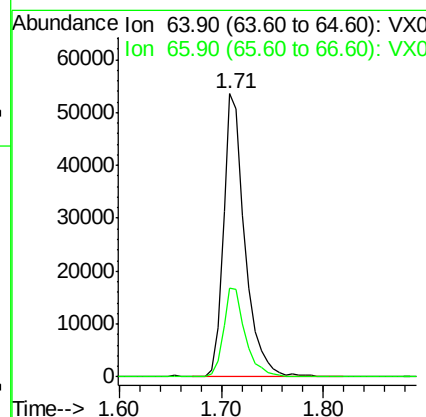
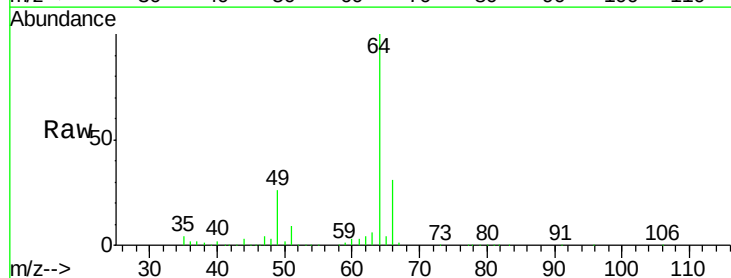
Acq: 30 Apr 2019 09:53

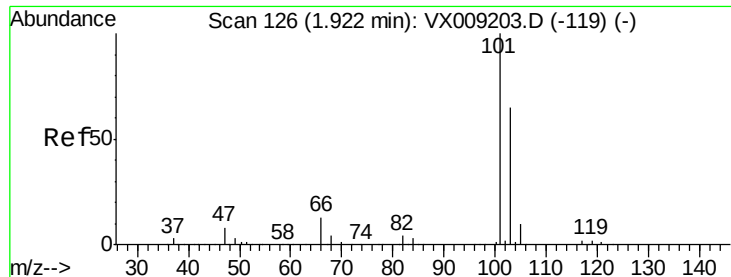
Tgt Ion: 64 Resp: 77804

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9





#7

Trichlorofluoromethane
Concen: 54.076 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

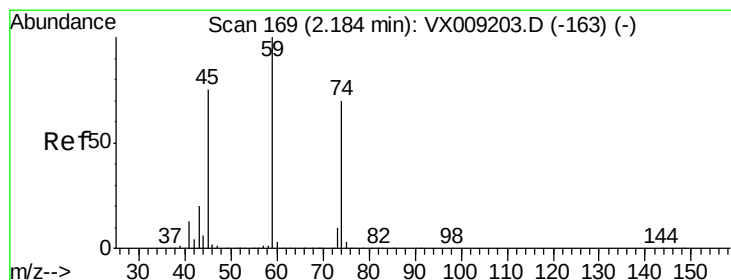
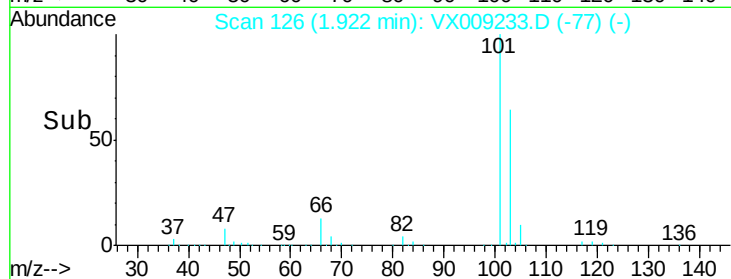
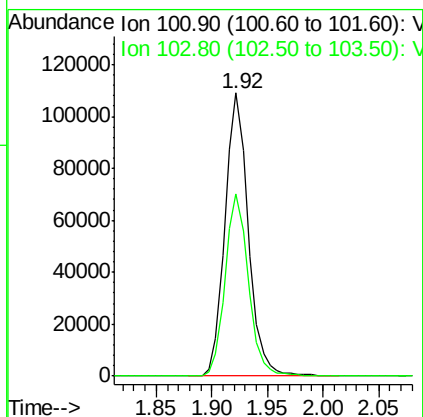
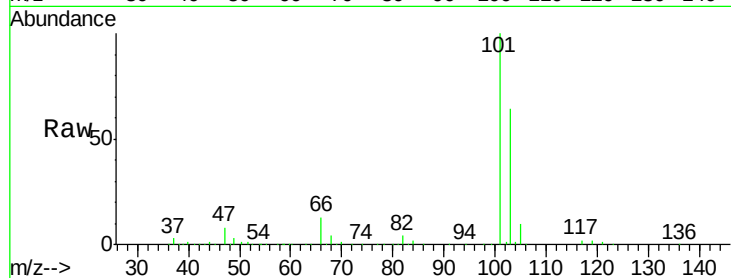
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 158606
Ion Ratio Lower Upper
101 100
103 64.4 52.4 78.6

Manual Integrations
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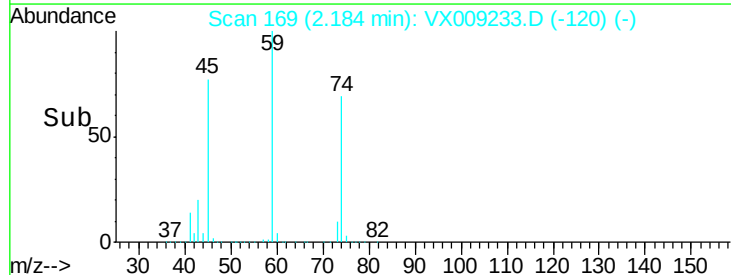
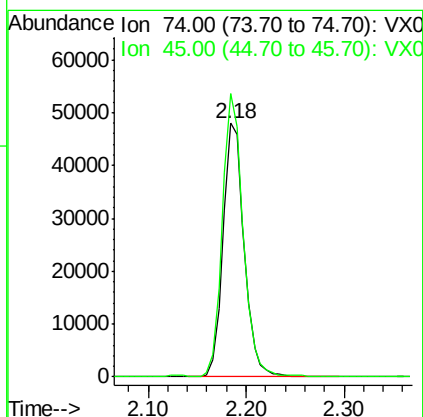
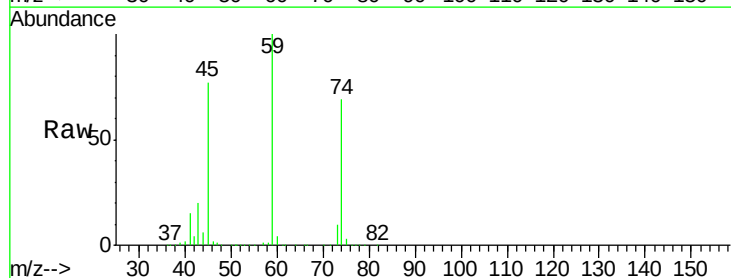
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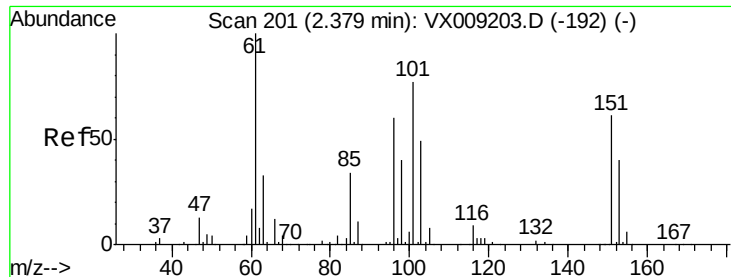


#8

Diethyl Ether
Concen: 51.713 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion: 74 Resp: 71845
Ion Ratio Lower Upper
74 100
45 109.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.060 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

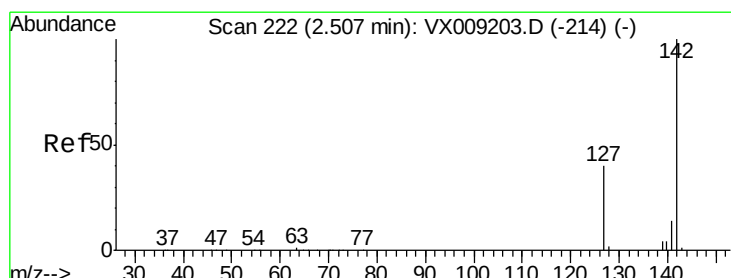
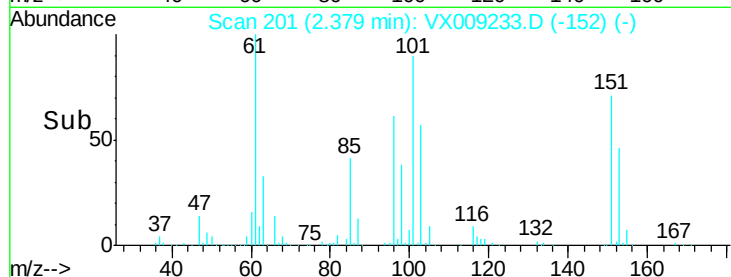
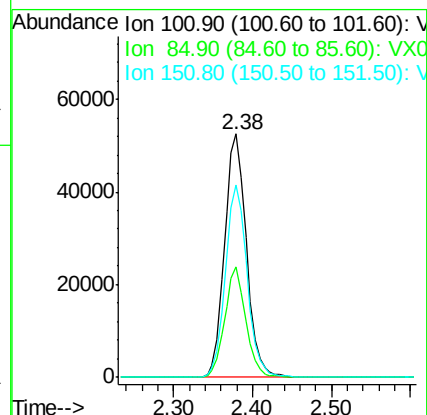
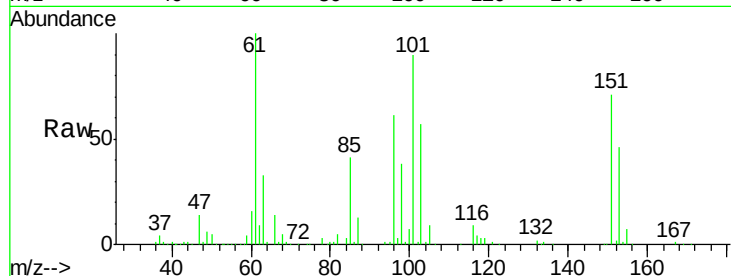
VSTDCCC050

Tot Ion:	101	Resp:	101411
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.7	53.5
151	78.7	62.2	93.2

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#10

Methyl Iodide

Concen: 49.101 ug/l

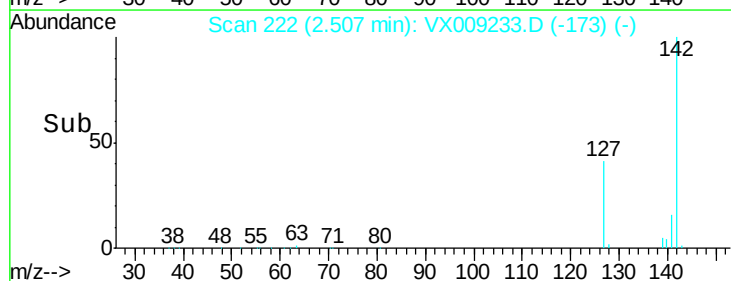
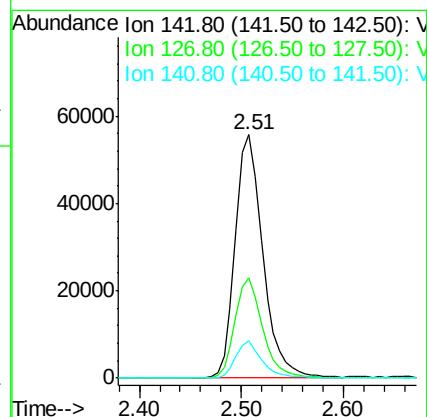
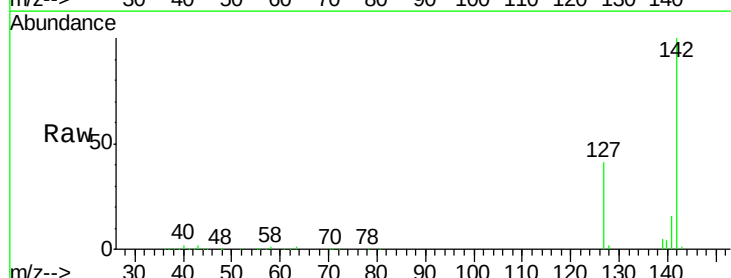
RT: 2.51 min Scan# 222

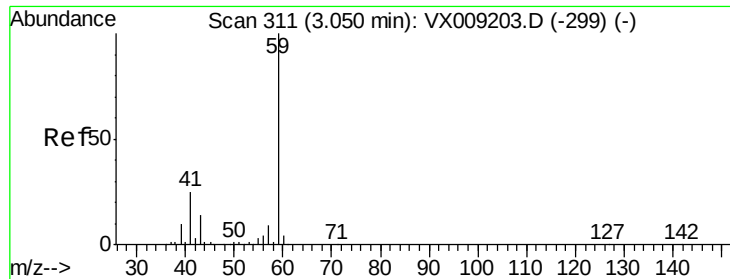
Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Tgt Ion:	142	Resp:	104881
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.7	49.1
141	14.6	11.5	17.3





#11
Tert butyl alcohol
Concen: 241.287 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

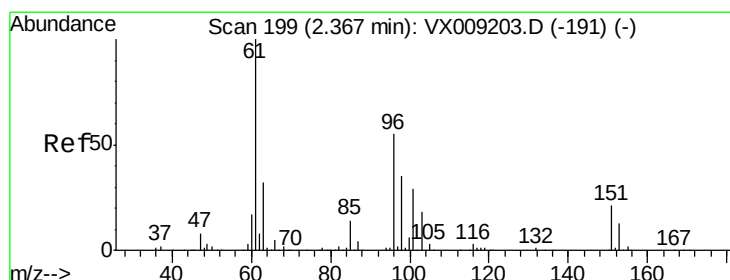
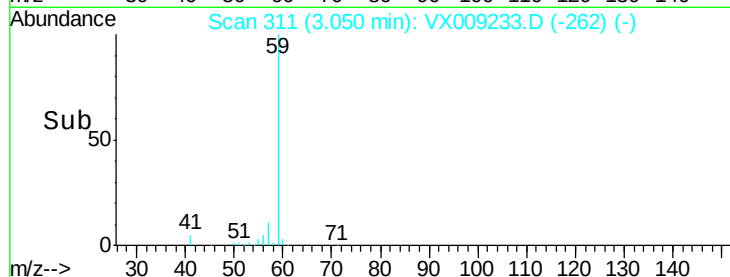
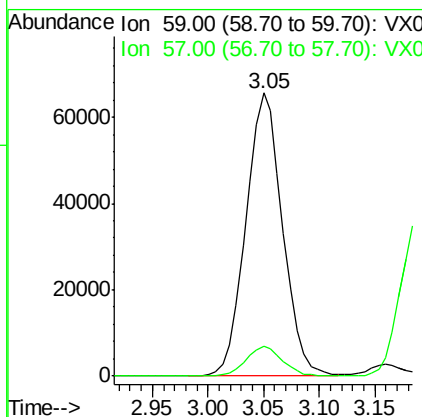
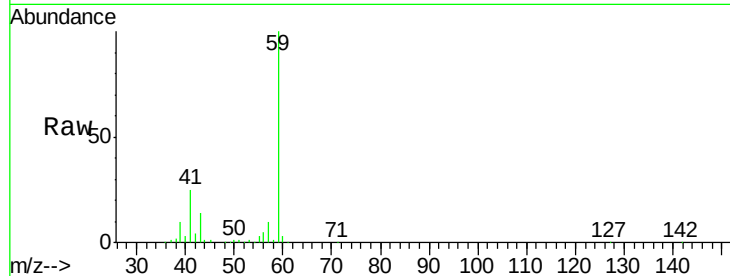
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

Manual Integrations
APPROVED

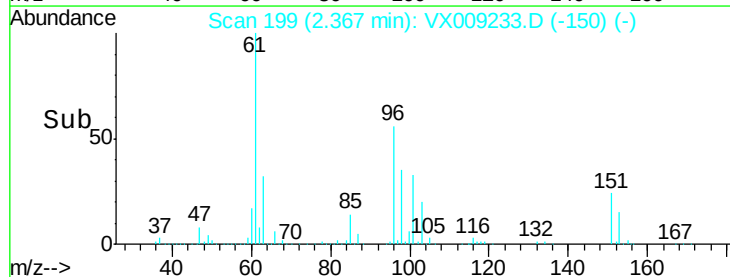
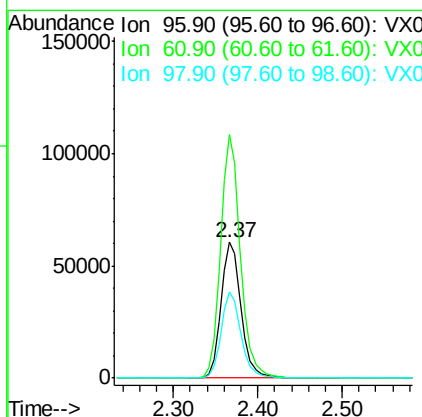
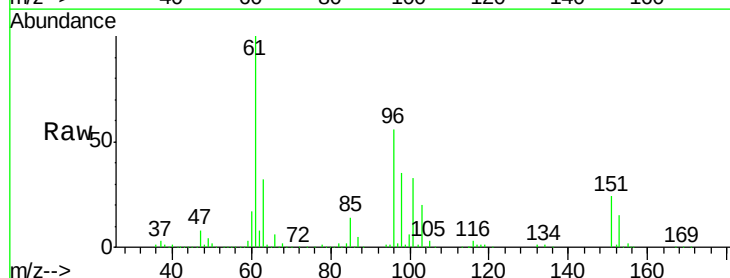
MMDadoda

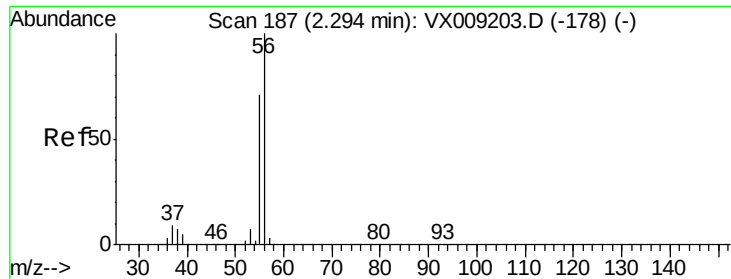
5/1/2019 10:04:58 AM



#12
1,1-Dichloroethene
Concen: 53.764 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.4	144.3	216.5
98	63.5	50.3	75.5





#13

Acrolein

Concen: 210.710 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 118597

Ion Ratio Lower Upper

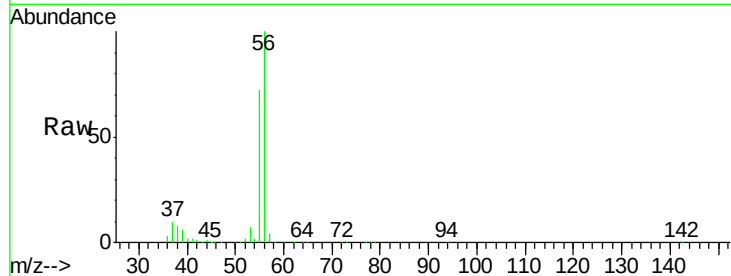
56 100

55 71.2 56.6 85.0

Manual Integrations
APPROVED

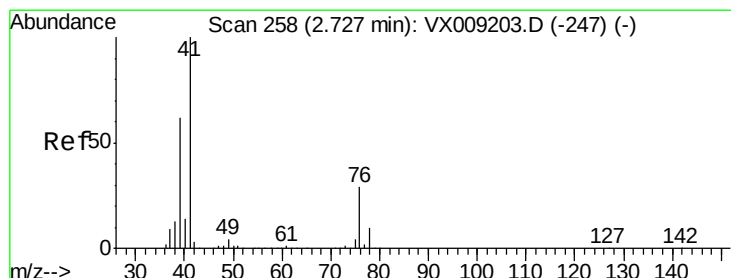
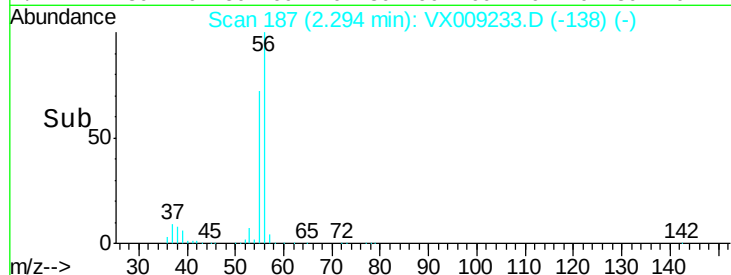
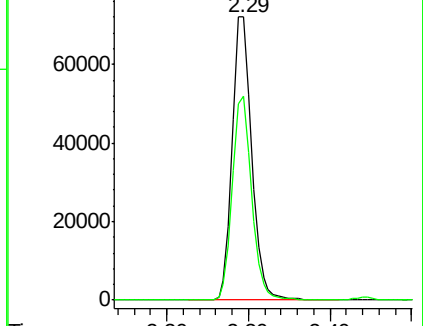
MMDadoda

5/1/2019 10:04:58 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.814 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

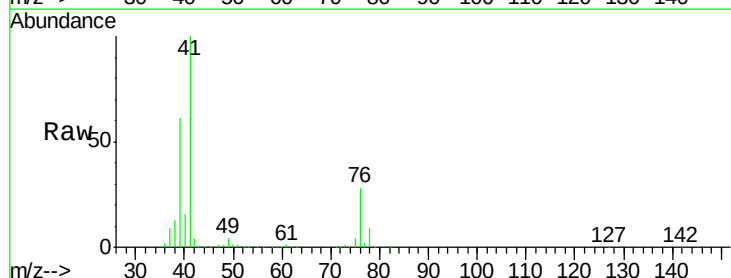
Tgt Ion: 41 Resp: 233025

Ion Ratio Lower Upper

41 100

39 58.1 46.7 70.1

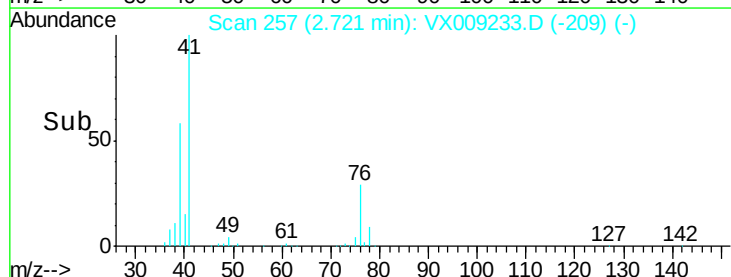
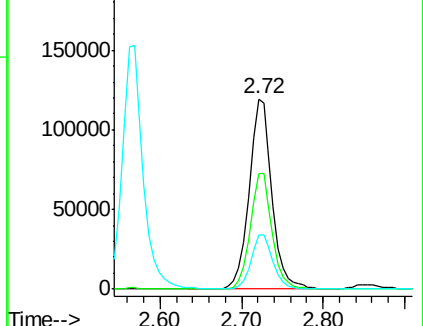
76 27.3 21.8 32.8

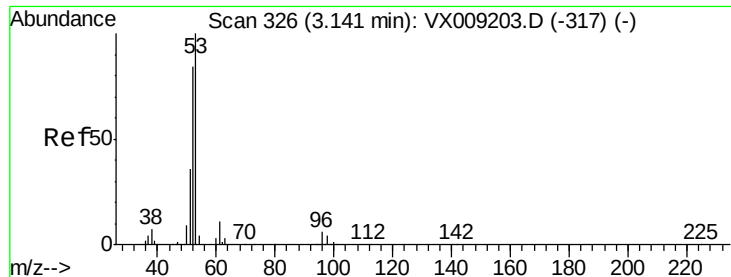


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 246.539 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

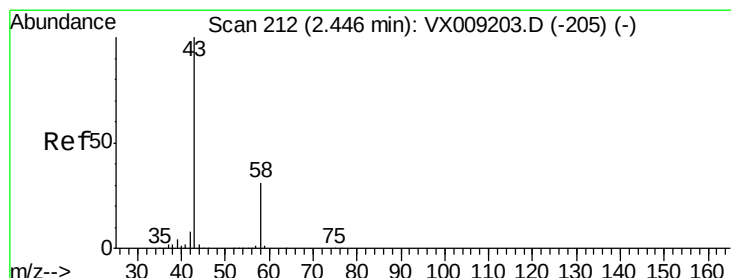
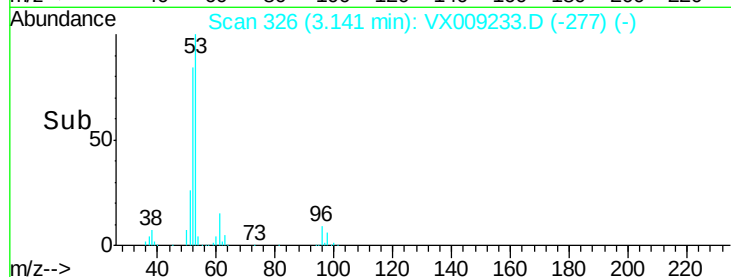
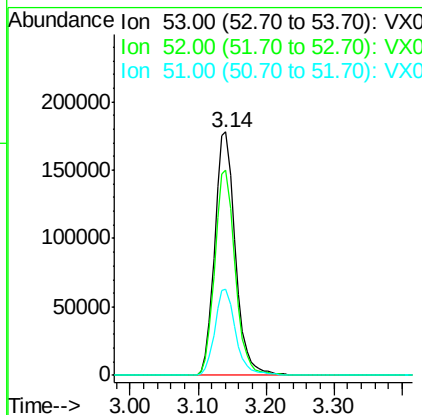
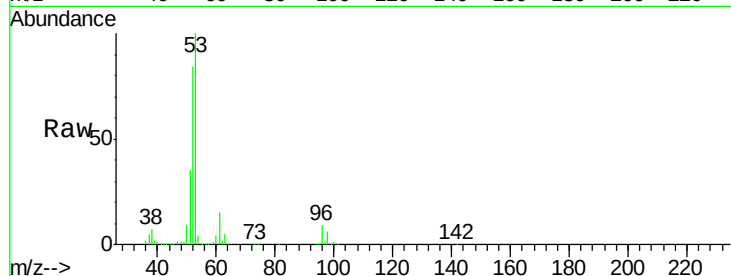
VSTDCCC050

Tot Ion:	53	Resp:	374639
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 262.251 ug/l

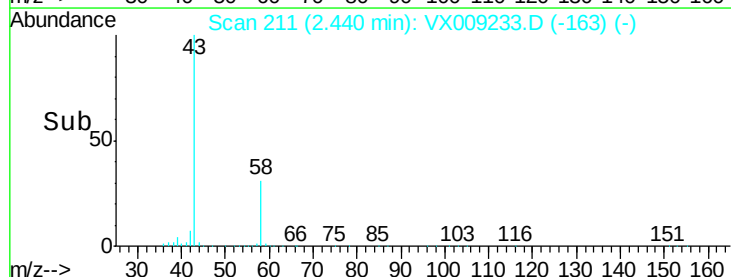
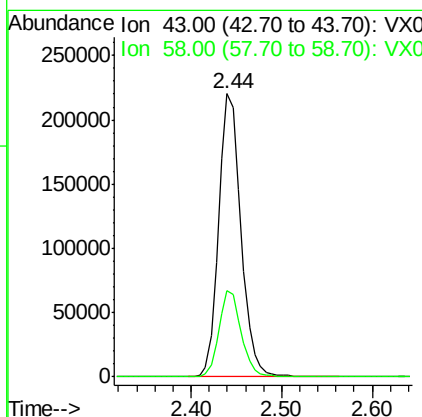
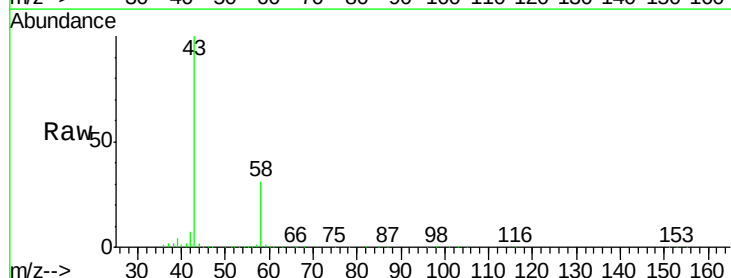
RT: 2.44 min Scan# 211

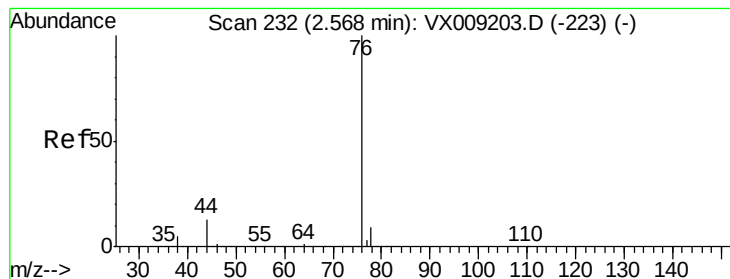
Delta R.T. -0.01 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Tgt Ion:	43	Resp:	378086
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.9	37.3





#17

Carbon Disulfide

Concen: 53.007 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Tot Ion: 76 Resp: 274640

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

Instrument :

MSVOA_X

ClientSampleId :

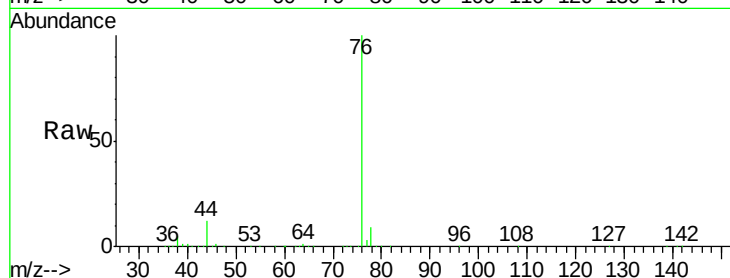
VSTDCCC050

Manual Integrations

APPROVED

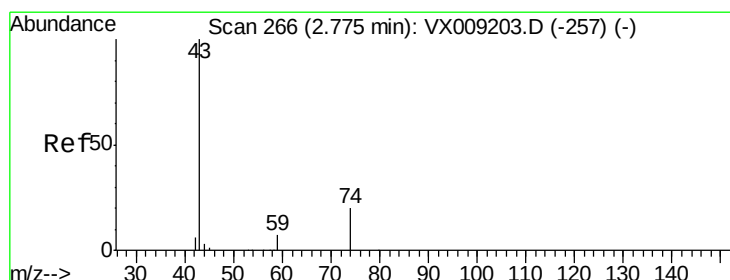
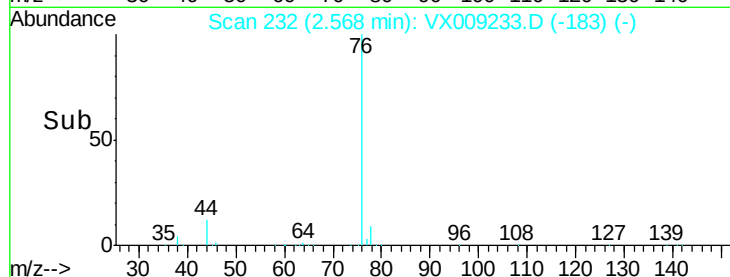
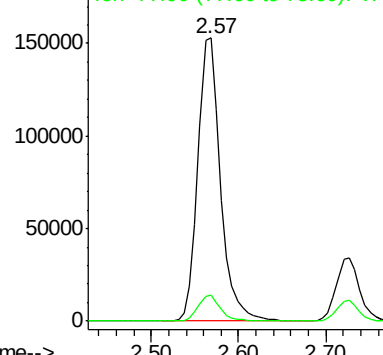
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 48.795 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009233.D

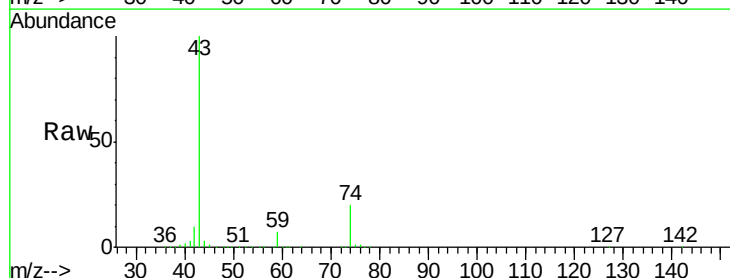
Acq: 30 Apr 2019 09:53

Tgt Ion: 43 Resp: 167301

Ion Ratio Lower Upper

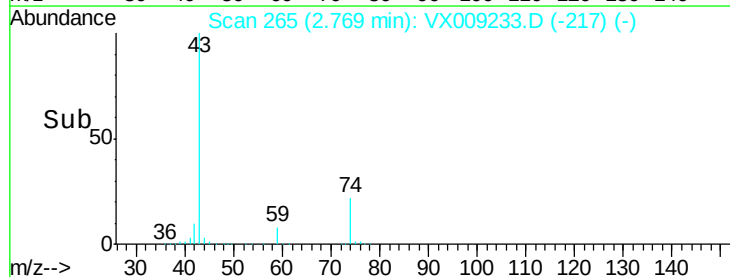
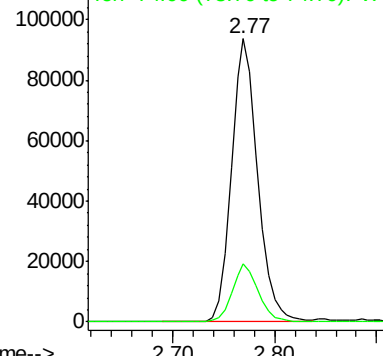
43 100

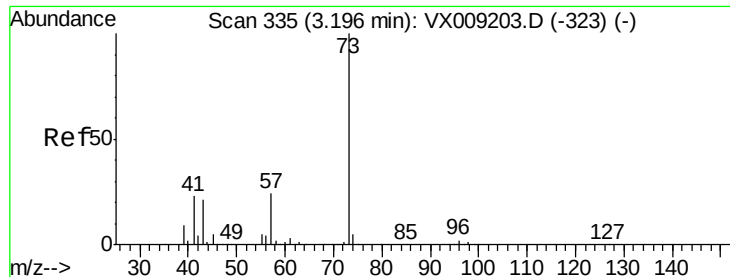
74 20.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19
Methyl tert-butyl Ether
Concen: 52.160 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

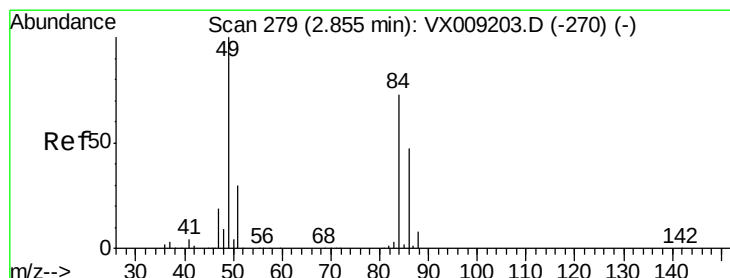
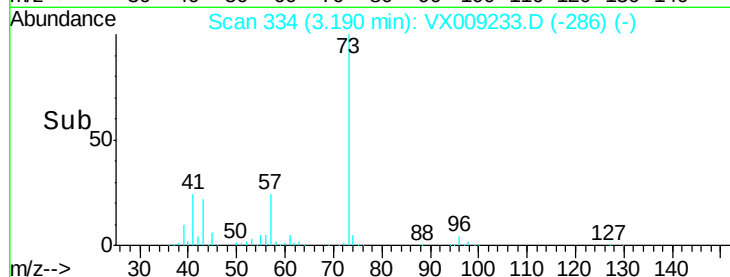
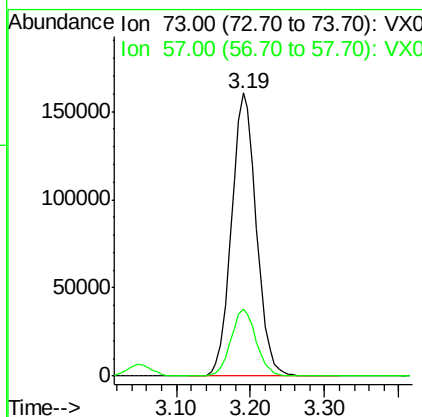
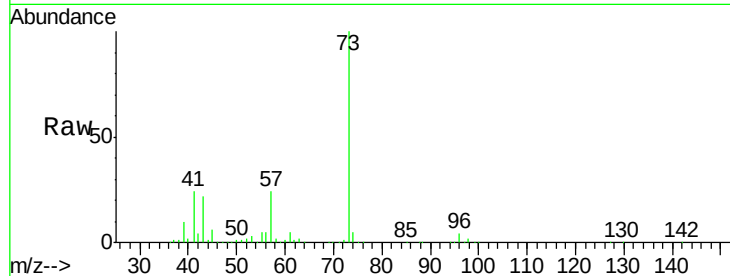
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.3	28.9

Manual Integrations
APPROVED

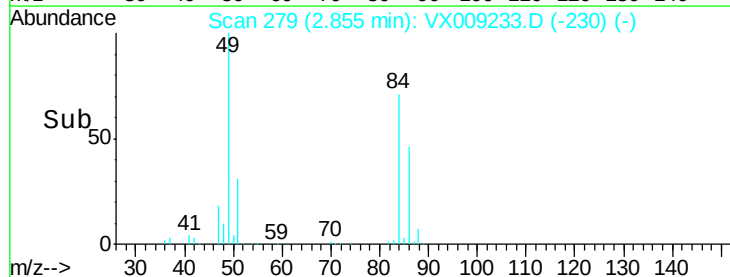
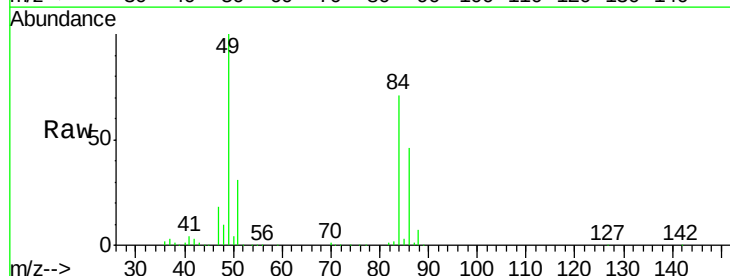
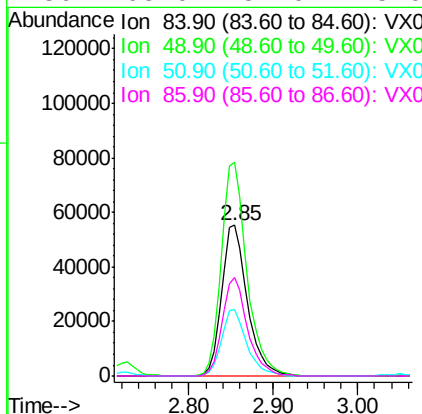
MMDadoda

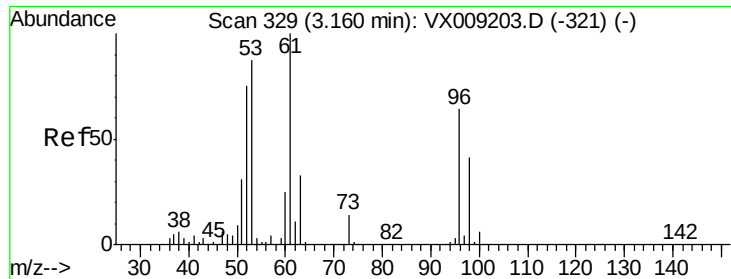
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#20
Methylene Chloride
Concen: 49.663 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.4	109.9	164.9
51	44.1	32.7	49.1
86	65.0	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 52.567 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 105205

Ion Ratio Lower Upper

96 100

61 156.2 124.5 186.7

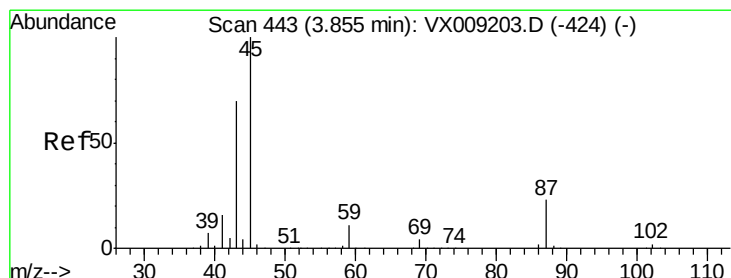
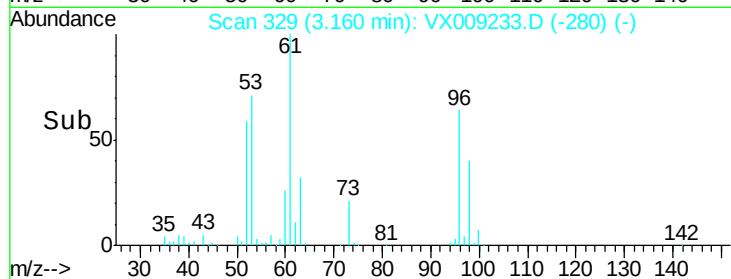
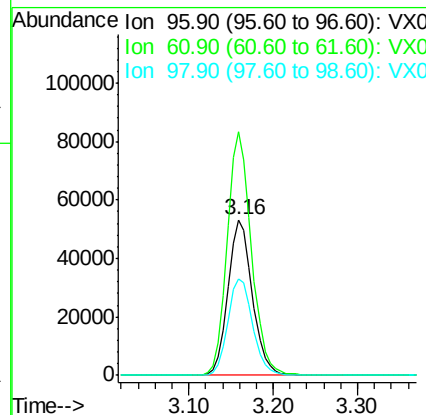
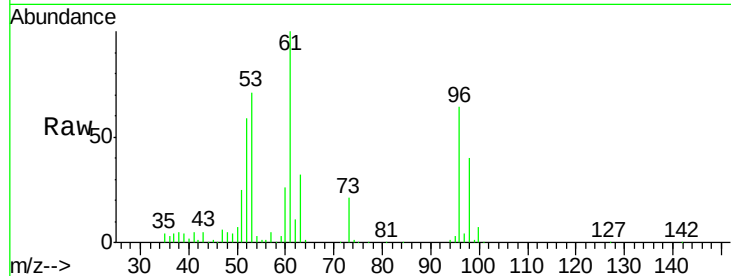
98 62.0 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.892 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Tgt Ion: 45 Resp: 457459

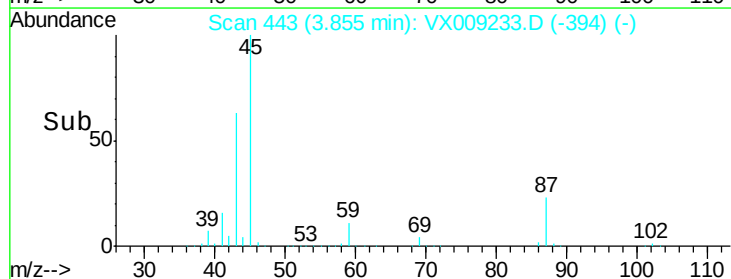
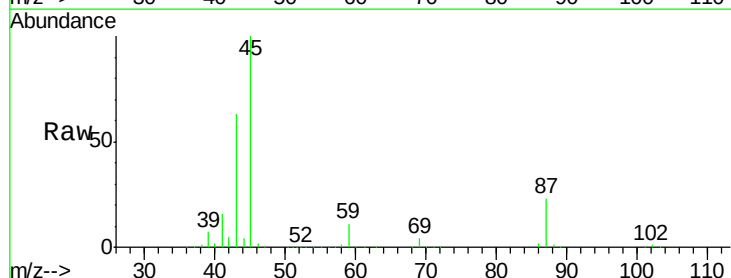
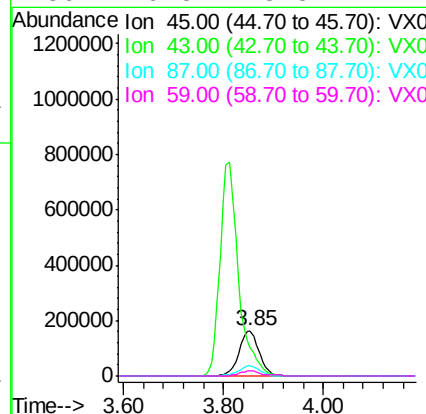
Ion Ratio Lower Upper

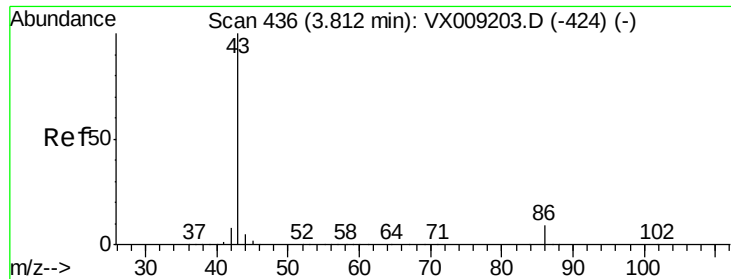
45 100

43 63.0 56.1 84.1

87 22.8 18.1 27.1

59 10.8 8.5 12.7





#23

Vinyl Acetate

Concen: 268.978 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Tot Ion: 43 Resp: 1992086

Ion Ratio Lower Upper

43 100

86 8.6 6.9 10.3

Instrument :

MSVOA_X

ClientSampleId :

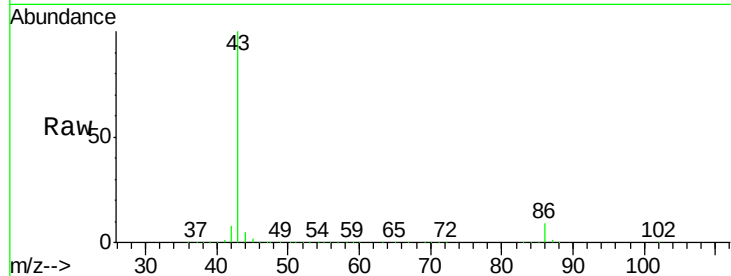
VSTDCCC050

Manual Integrations

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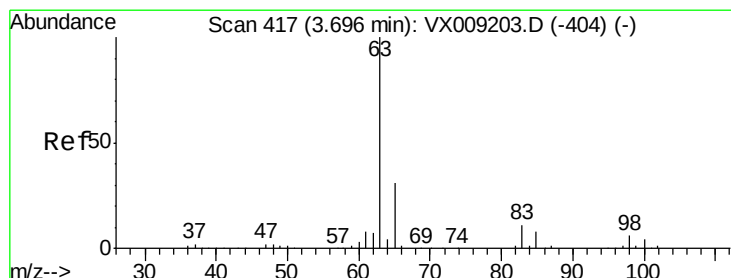
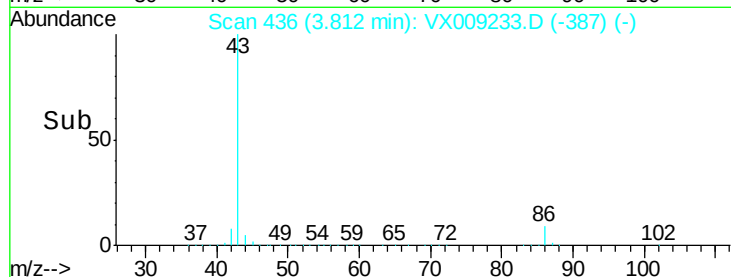
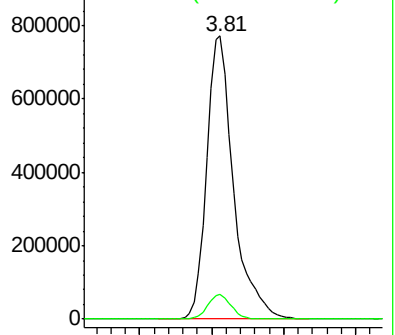
MMDadoda

5/1/2019 10:04:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.684 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

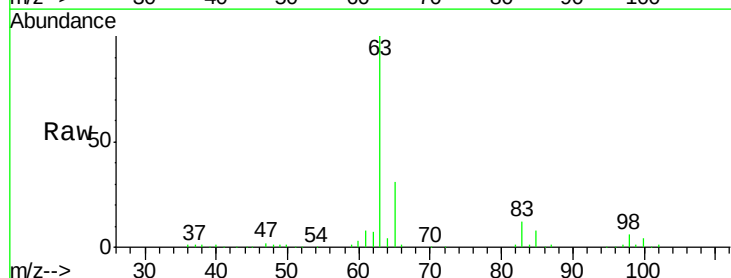
Tgt Ion: 63 Resp: 220515

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

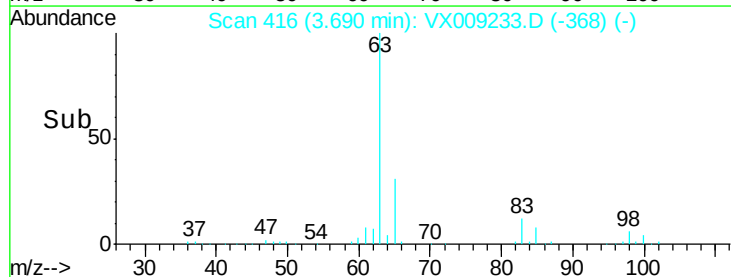
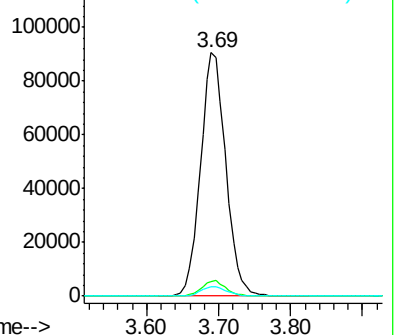
100 3.6 2.0 6.0

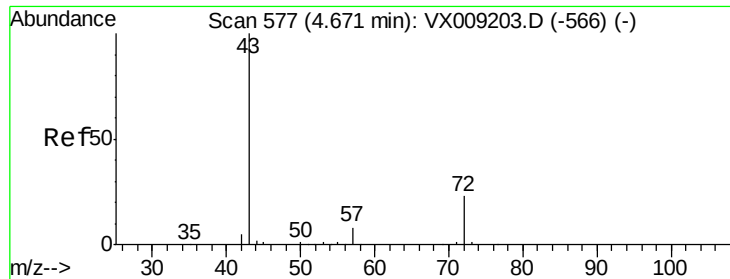


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 263.026 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 589271

Ion Ratio Lower Upper

43 100

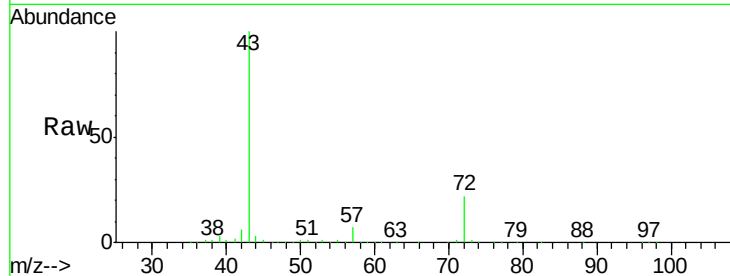
72 21.9 18.2 27.2

Manual Integrations

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5/1/2019 10:04:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

200000

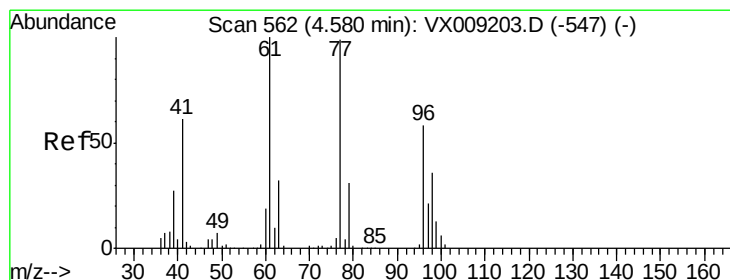
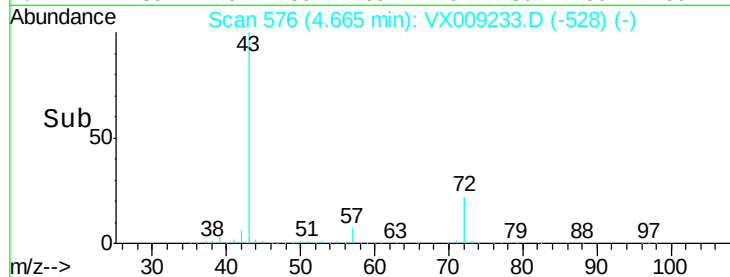
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 53.767 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009233.D

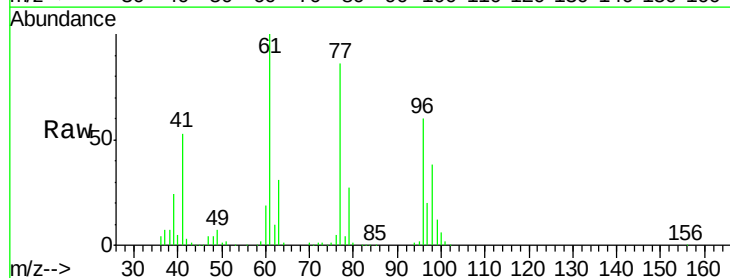
Acq: 30 Apr 2019 09:53

Tgt Ion: 77 Resp: 170752

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

60000

50000

40000

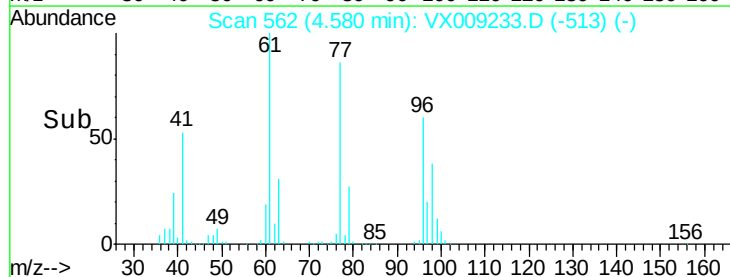
30000

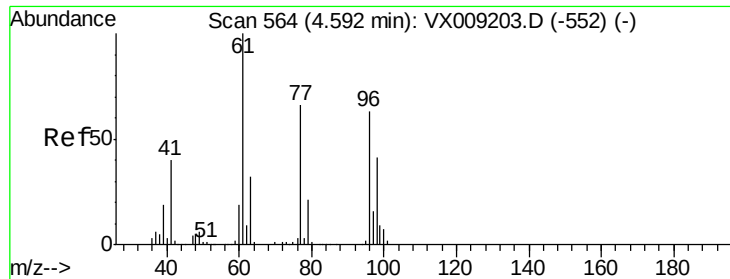
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene
Concen: 52.202 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

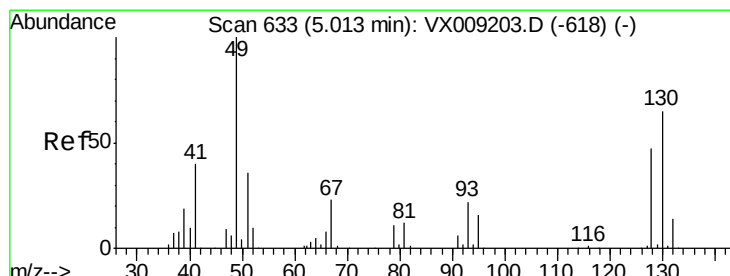
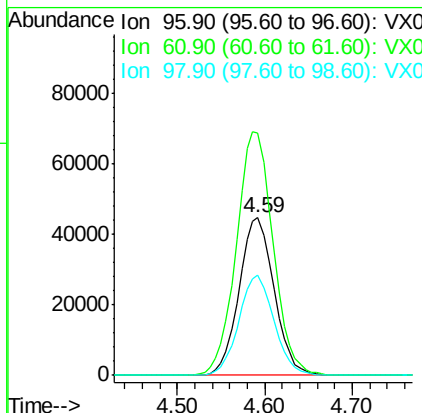
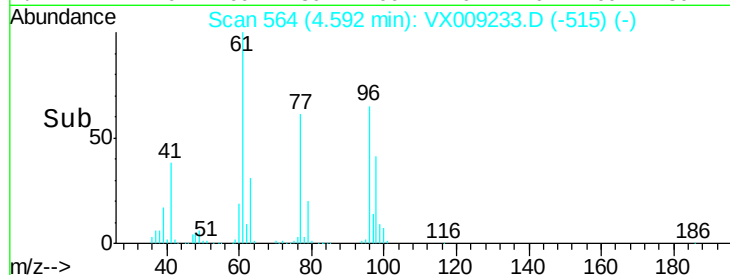
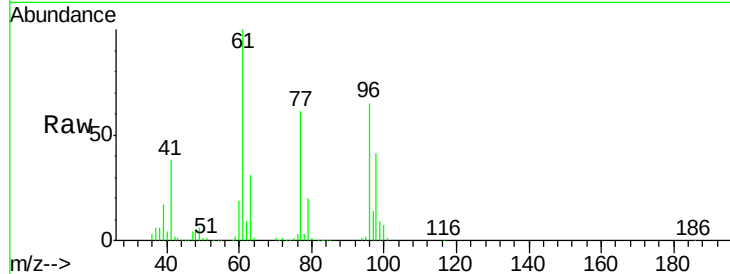
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.1	0.0	324.0	
98	63.9	0.0	130.4	

Manual Integrations
APPROVED

MMDadoda

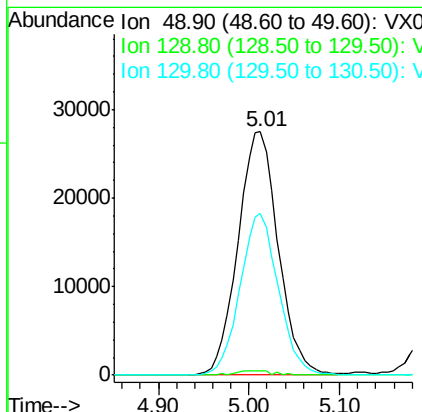
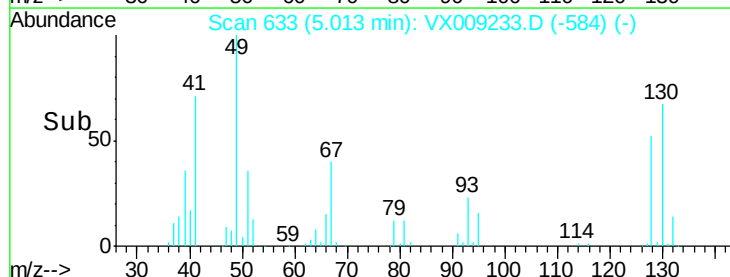
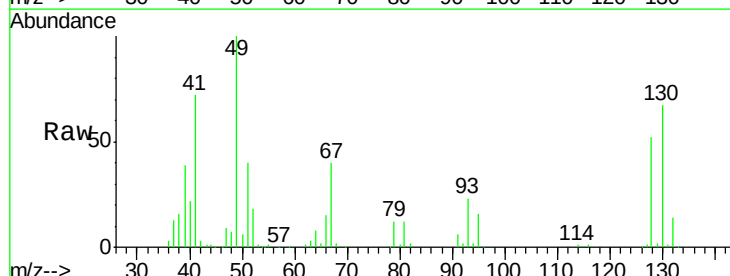
5/1/2019 10:04:58 AM

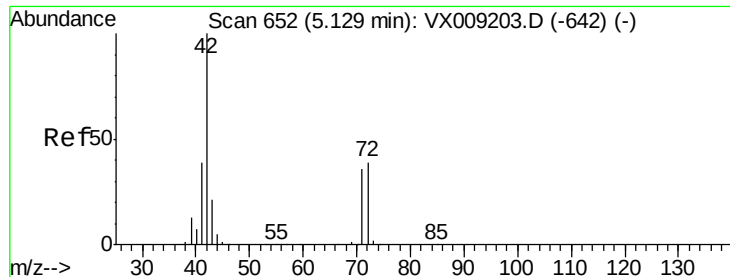


#28

Bromochloromethane
Concen: 49.275 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.8	
130	63.0	51.2	76.8	





#29
Tetrahydrofuran
Concen: 255.247 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

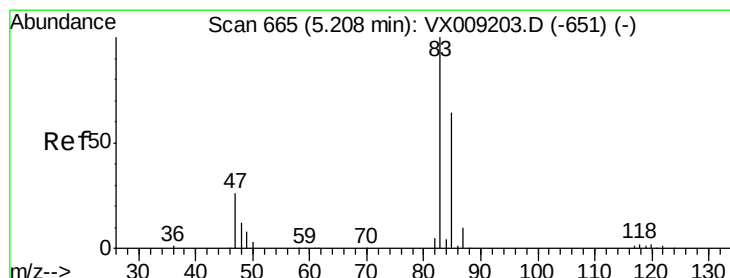
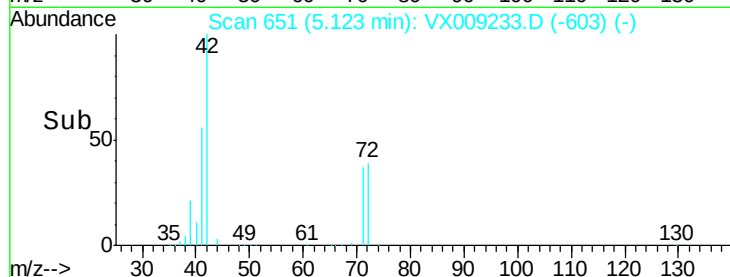
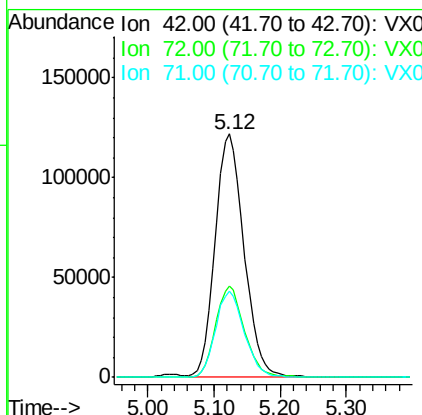
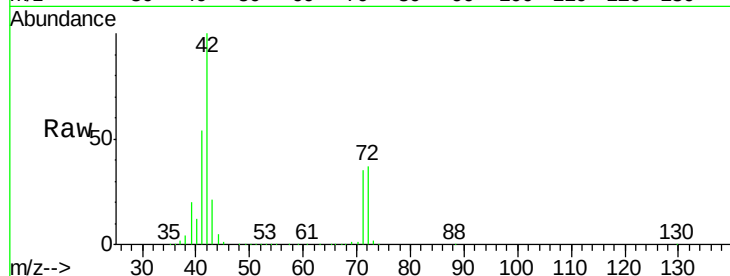
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	30.4	45.6
71	35.2	28.6	43.0

Manual Integrations
APPROVED

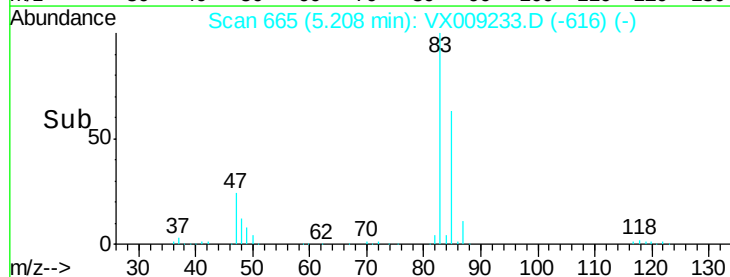
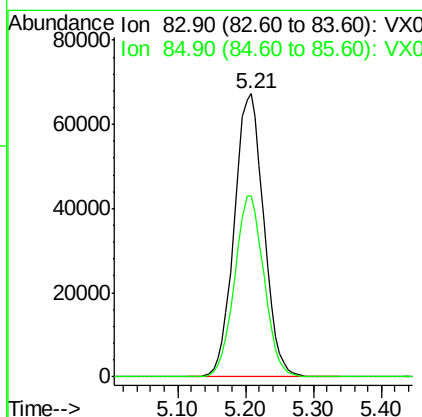
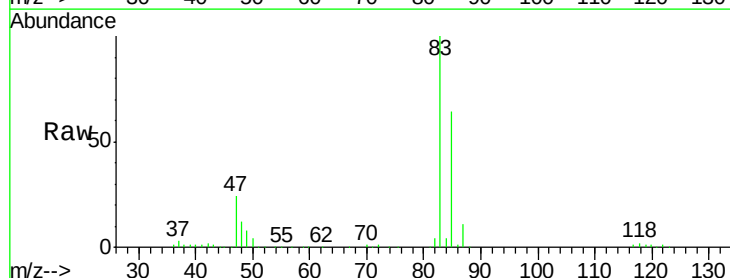
MMDadoda

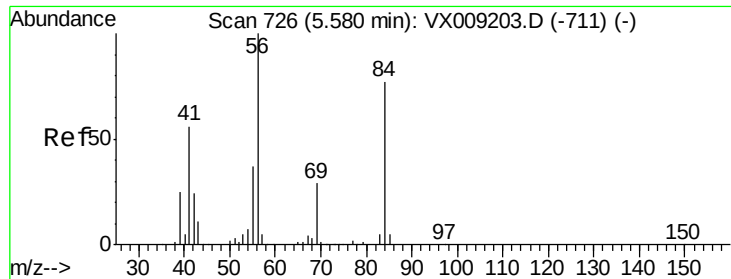
5/1/2019 10:04:58 AM



#30
Chloroform
Concen: 52.507 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3





#31
Cyclohexane
Concen: 54.796 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

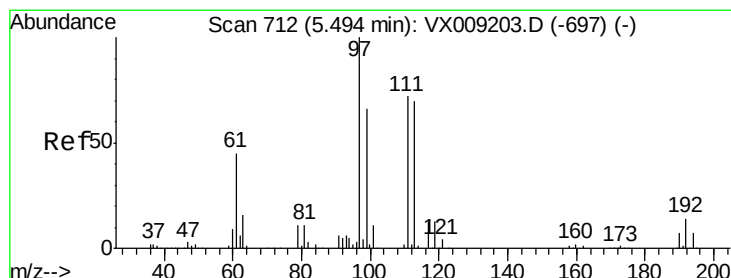
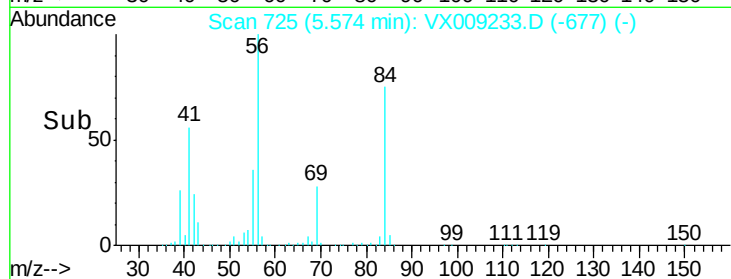
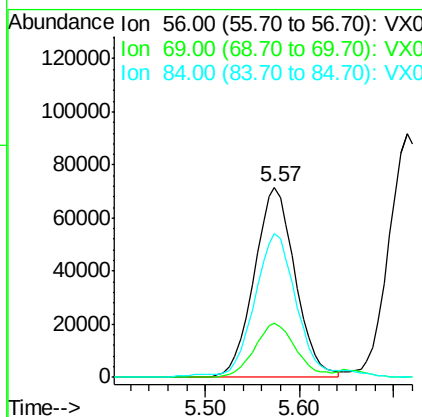
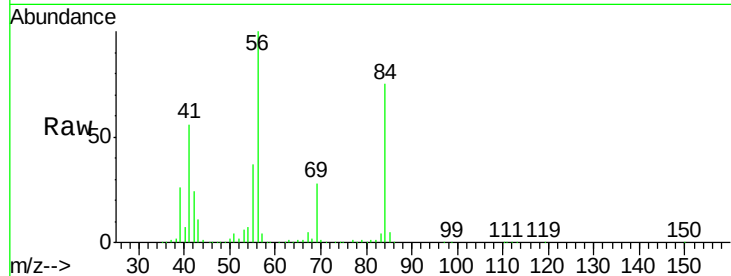
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.4	35.0
84	74.4	61.9	92.9

Manual Integrations
APPROVED

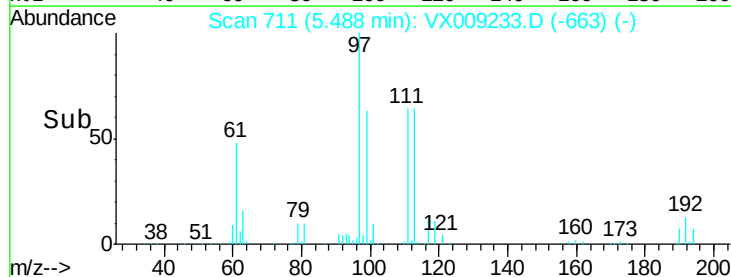
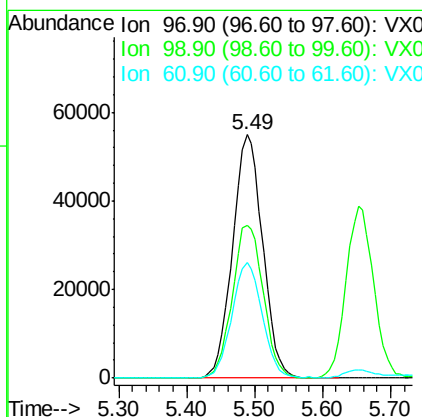
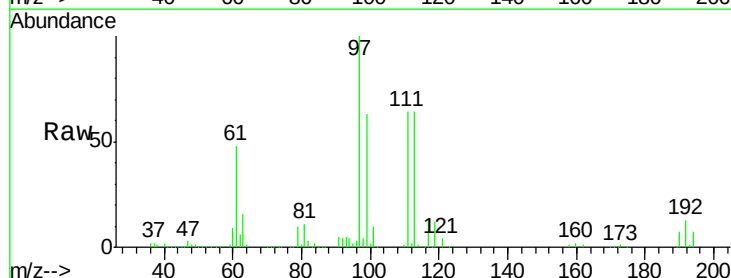
MMDadoda

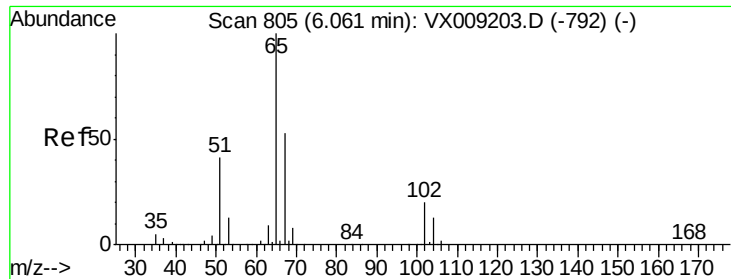
5/1/2019 10:04:58 AM



#32
1,1,1-Trichloroethane
Concen: 52.530 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	47.9	37.8	56.8





#33
 1,2-Dichloroethane-d4
 Concen: 49.631 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

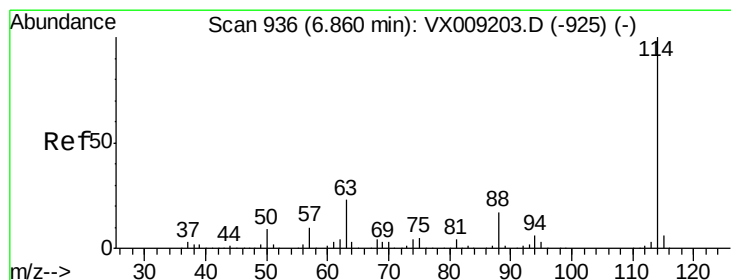
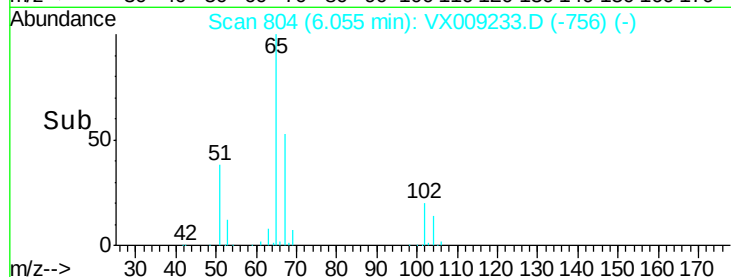
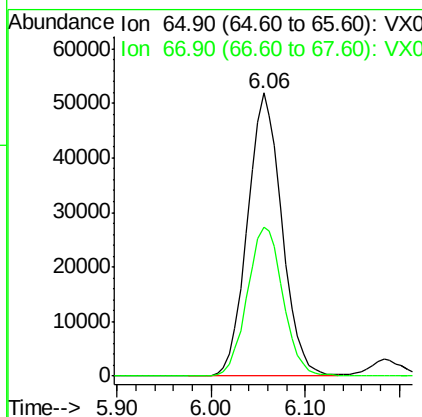
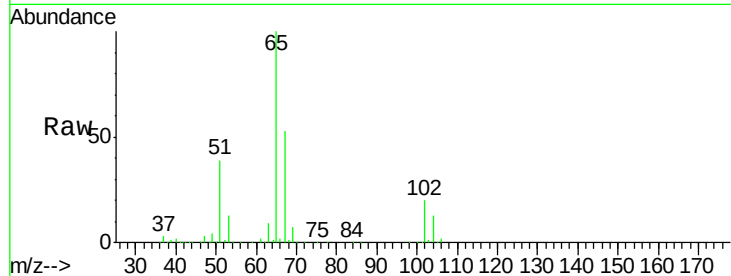
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	106.6

Manual Integrations
 APPROVED

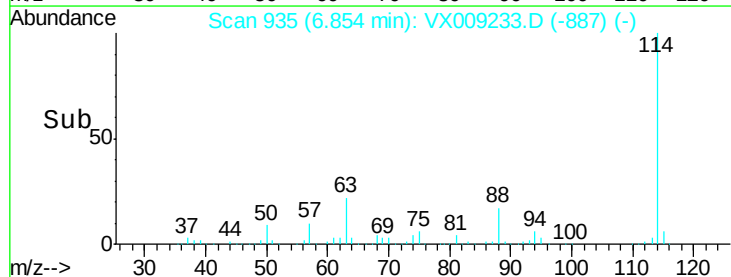
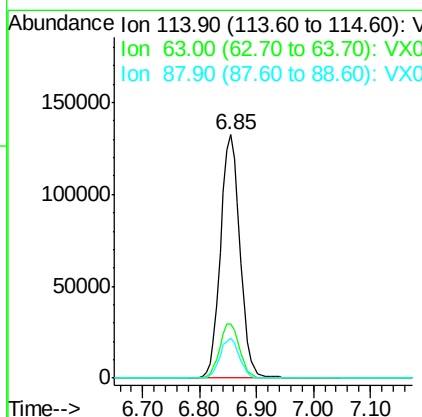
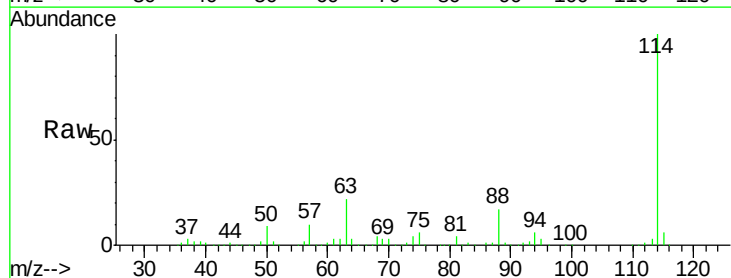
MMDadoda

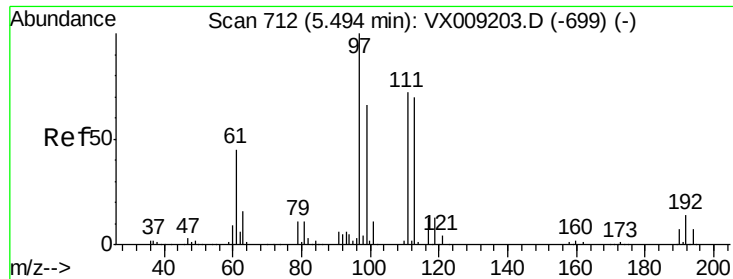
5/1/2019 10:04:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	45.6
88	16.5	0.0	33.2





#35
 Dibromofluoromethane
 Concen: 50.711 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

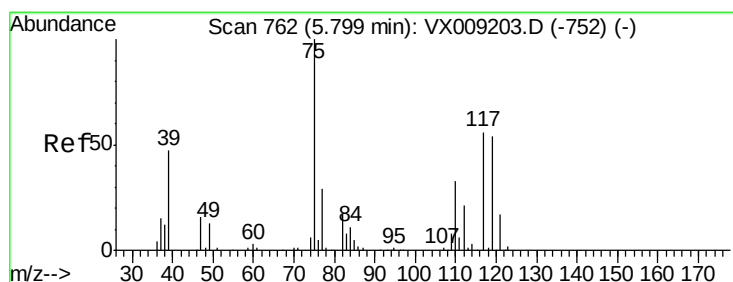
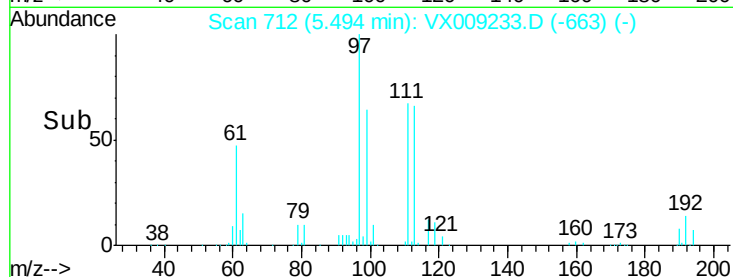
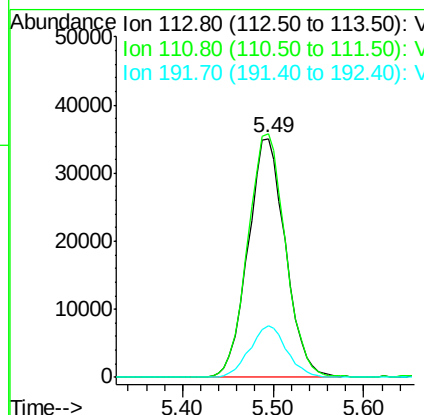
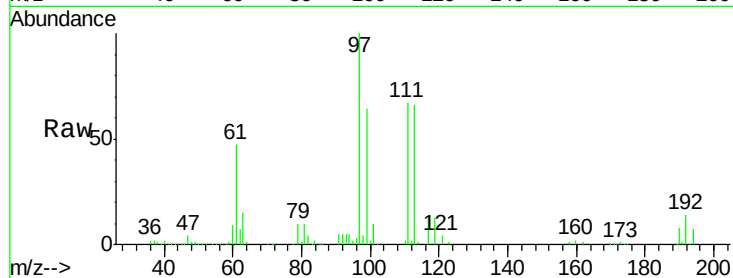
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	113	Resp:	100154
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.8	124.2
192	21.4	17.0	25.6

Manual Integrations
 APPROVED

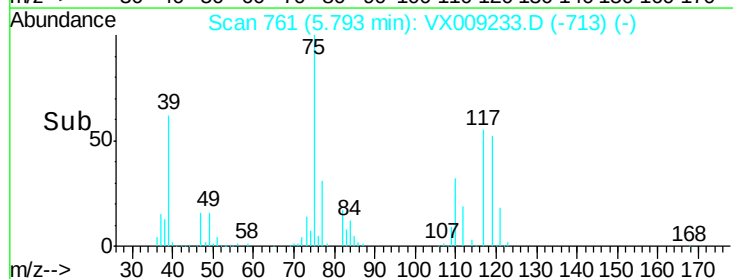
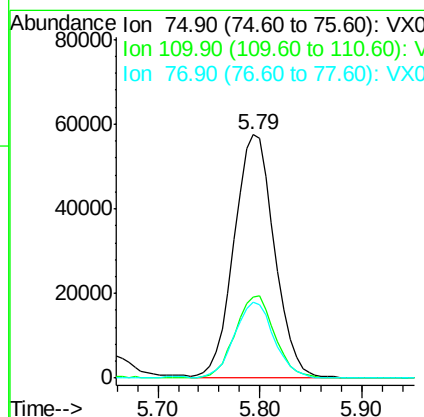
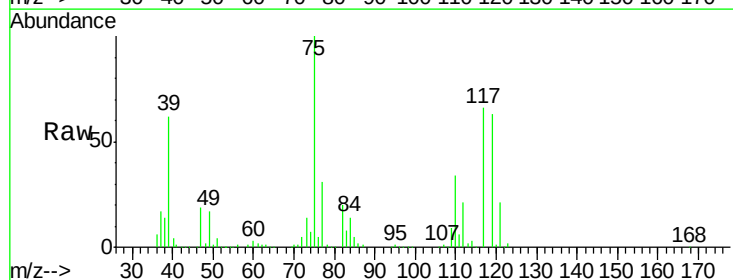
MMDadoda

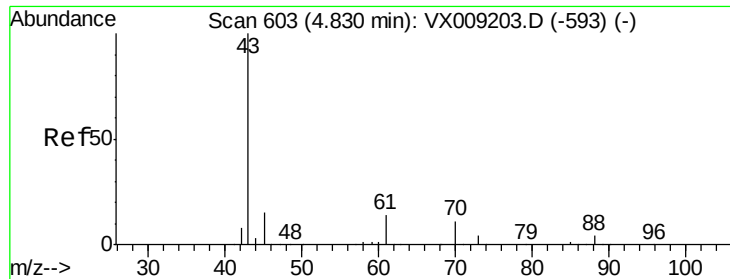
5/1/2019 10:04:58 AM



#36
 1,1-Dichloropropene
 Concen: 53.737 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

Tgt Ion:	75	Resp:	156893
Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	31.2	24.8	37.2





#37
Ethyl Acetate
Concen: 51.722 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

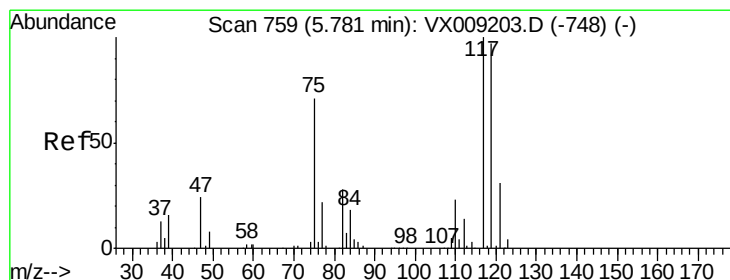
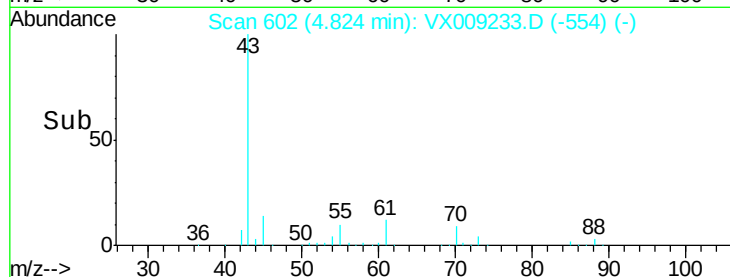
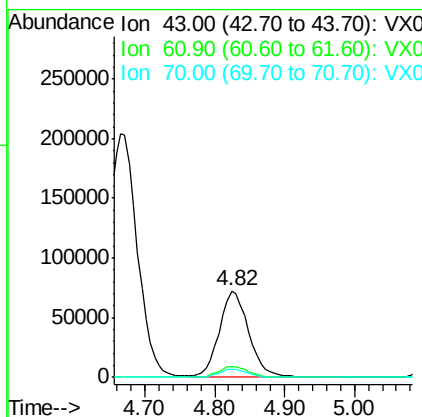
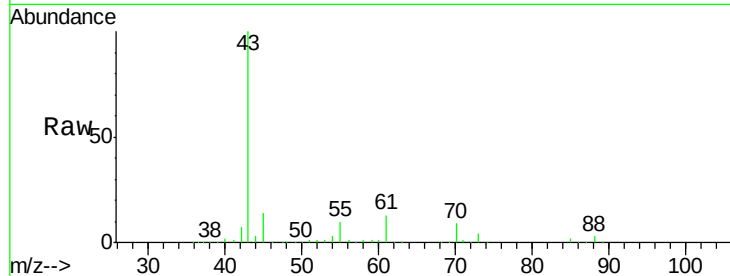
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:	43	Resp:	210400
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.5	7.9	11.9

Manual Integrations
APPROVED

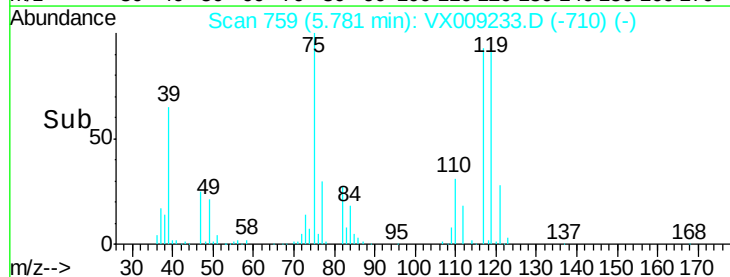
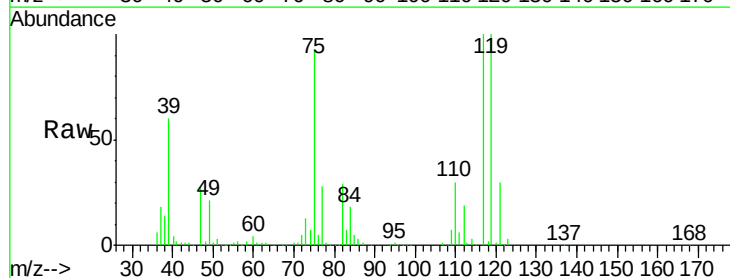
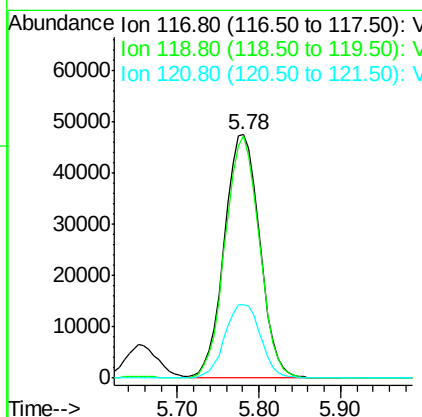
MMDadoda

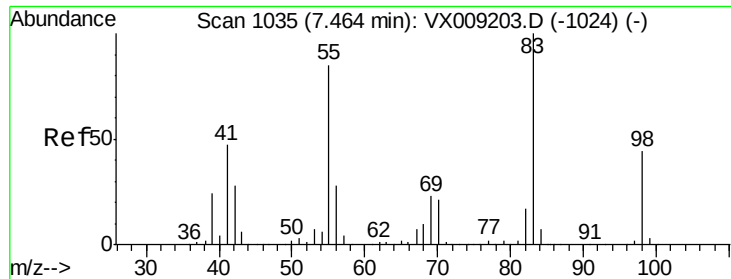
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#38
Carbon Tetrachloride
Concen: 53.666 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion:	117	Resp:	142360
Ion	Ratio	Lower	Upper
117	100		
119	99.7	77.5	116.3
121	30.0	24.7	37.1





#39
Methylvlcyclohexane
Concen: 56.308 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

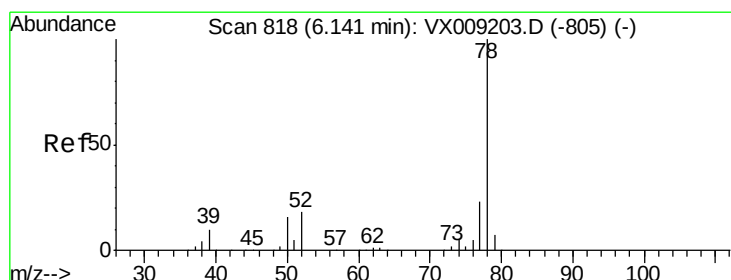
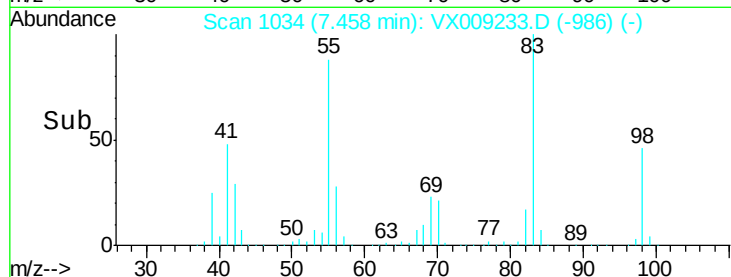
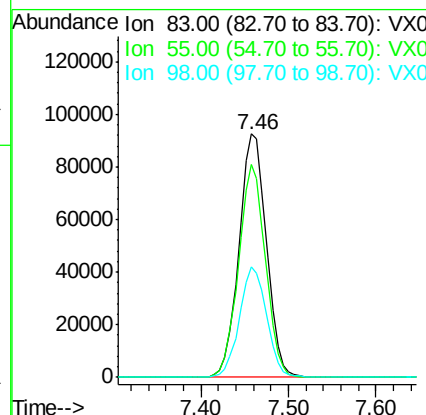
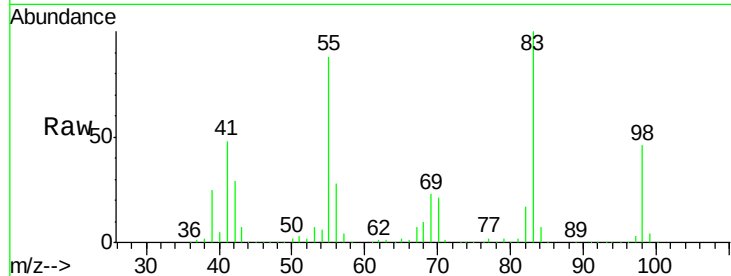
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	201898
Ion Ratio	Lower	Upper	
83	100		
55	87.5	67.7	101.5
98	45.5	35.5	53.3

Manual Integrations
APPROVED

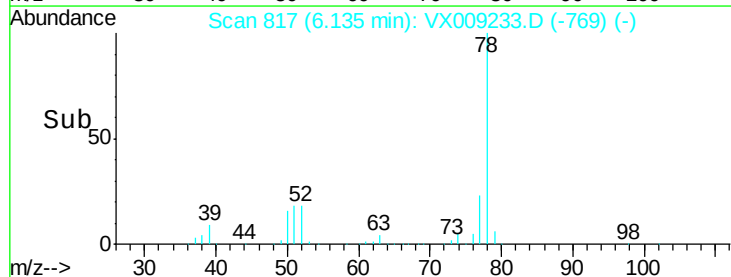
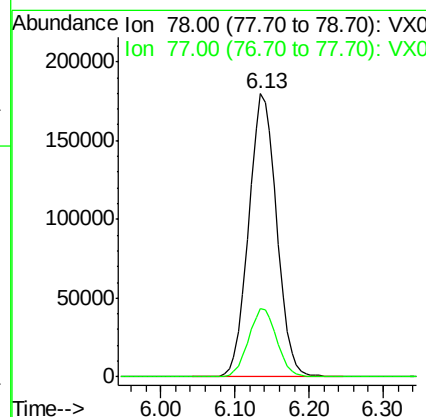
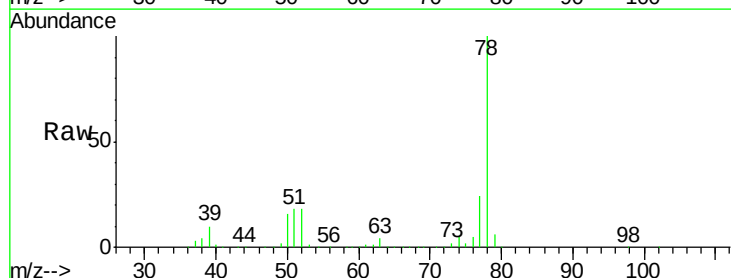
MMDadoda

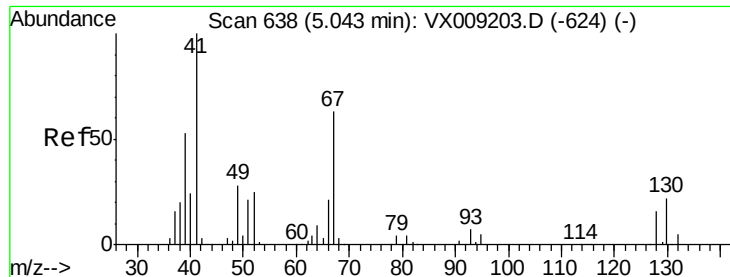
5/1/2019 10:04:58 AM



#40
Benzene
Concen: 52.554 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	78	Resp	474868
Ion Ratio	Lower	Upper	
78	100		
77	24.0	18.8	28.2





#41

Methacrylonitrile

Concen: 48.850 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampled :

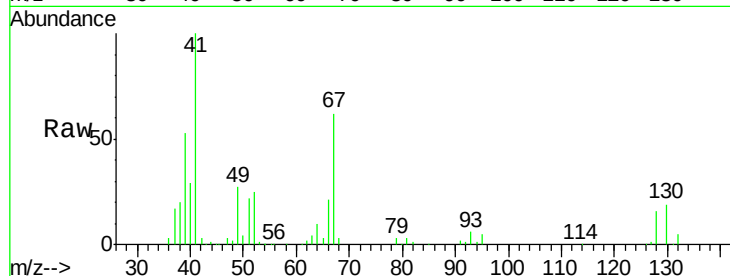
VSTDCCC050

Tot Ion:	41	Resp:	118291
Ion	Ratio	Lower	Upper
41	100		
39	53.6	42.0	63.0
67	64.6	49.8	74.8
52	26.0	20.3	30.5

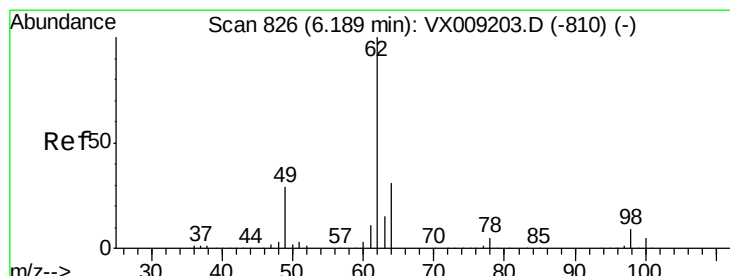
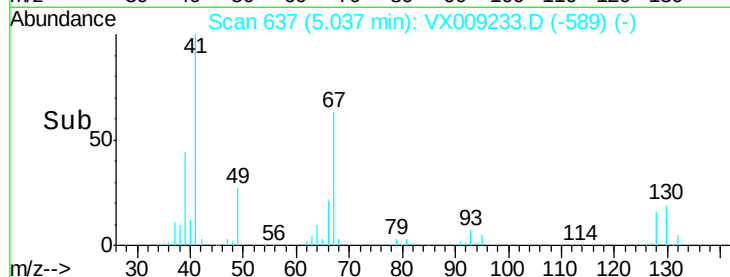
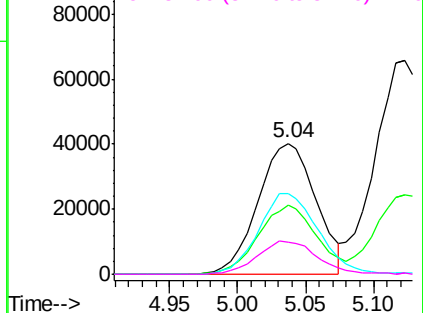
Manual Integrations
APPROVED

MMDadoda

5/1/2019 10:04:58 AM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.992 ug/l

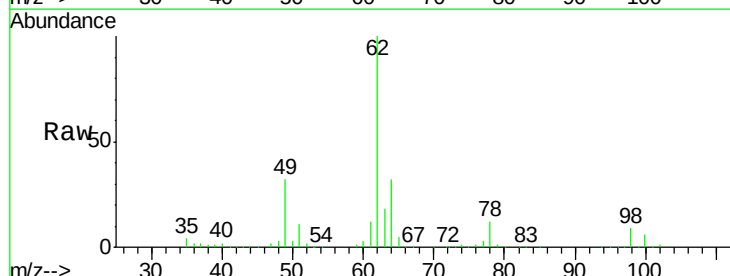
RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

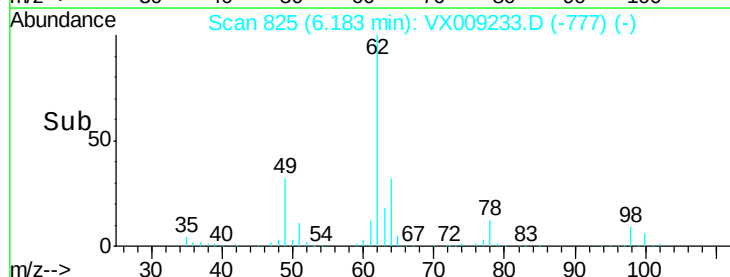
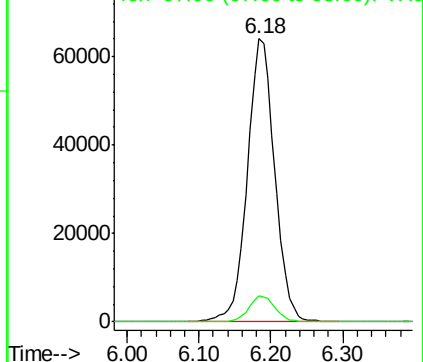
Lab File: VX009233.D

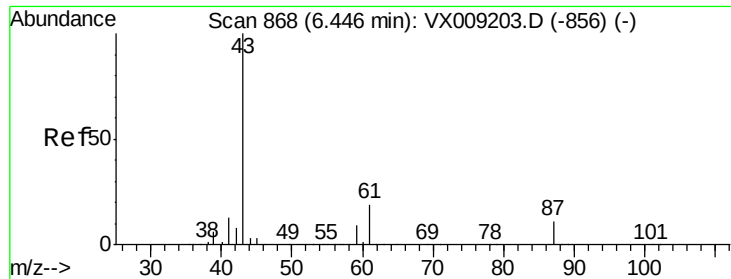
Acq: 30 Apr 2019 09:53

Tgt Ion:	62	Resp:	168522
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 52.466 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

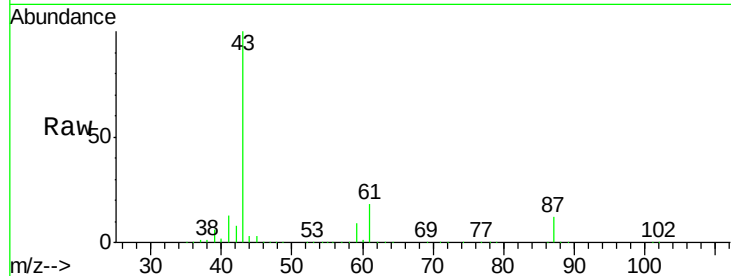
VSTDCCC050

Tot Ion:	43	Resp:	341390
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.4	9.0	13.6

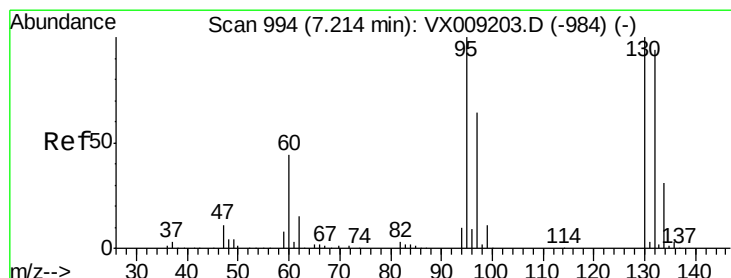
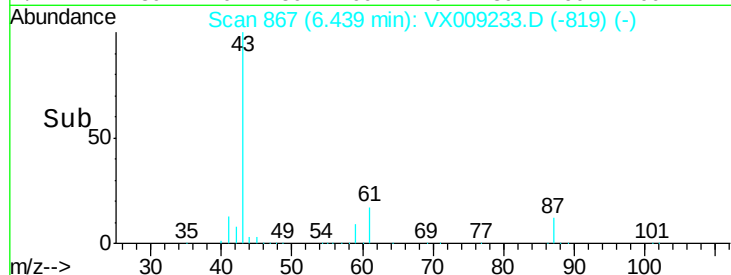
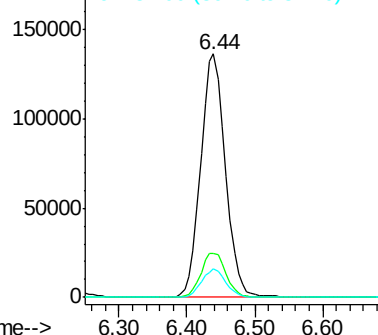
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 52.848 ug/l

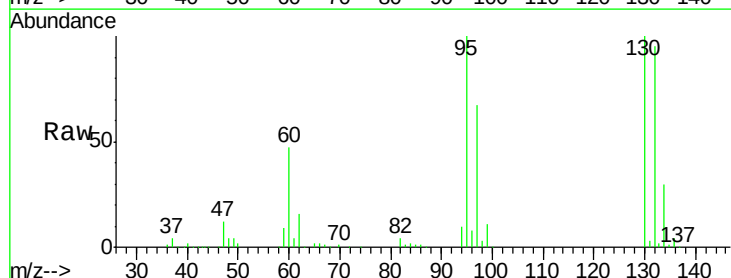
RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

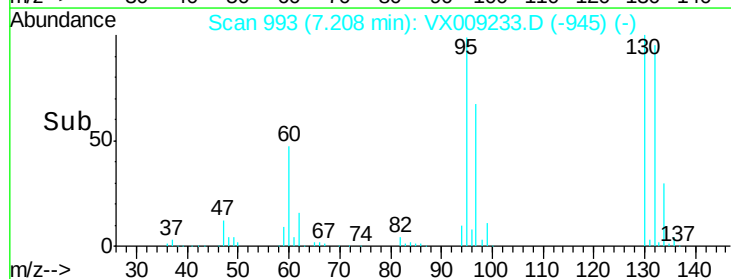
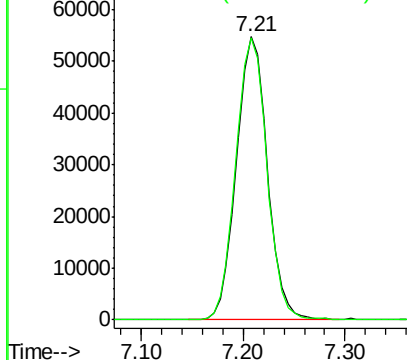
Lab File: VX009233.D

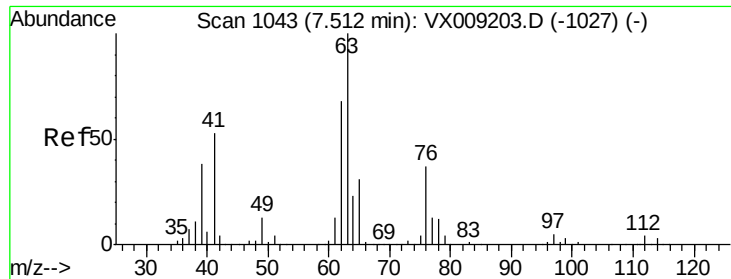
Acq: 30 Apr 2019 09:53

Tgt Ion:	130	Resp:	115443
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45
 1,2-Dichloropropane
 Concen: 53.050 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

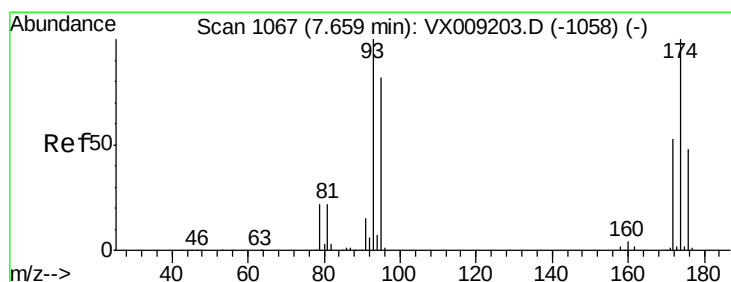
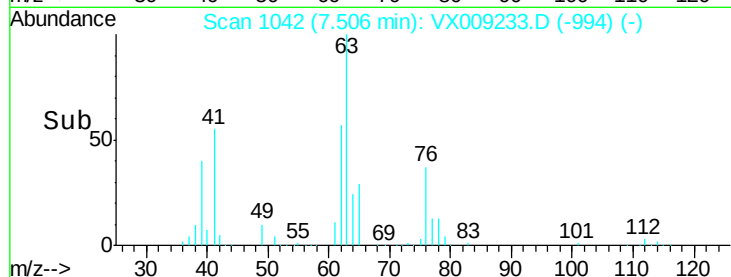
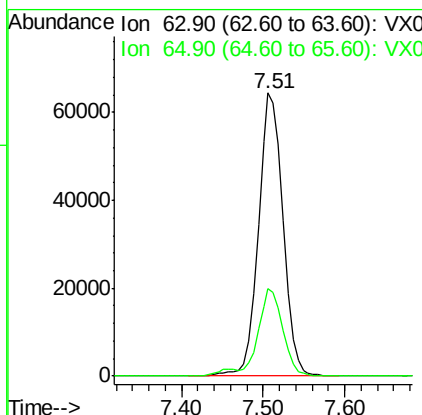
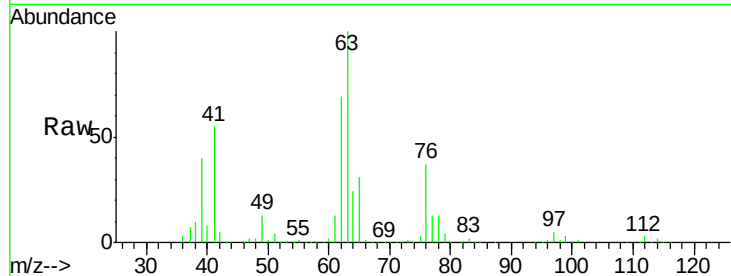
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 135732
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

Manual Integrations
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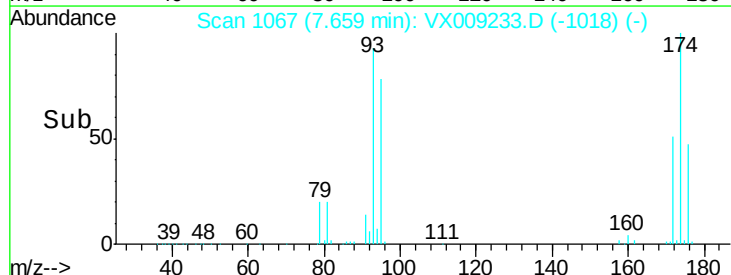
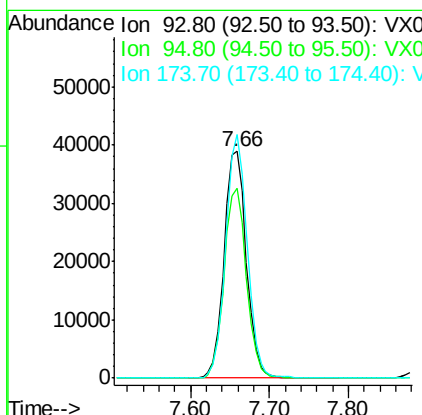
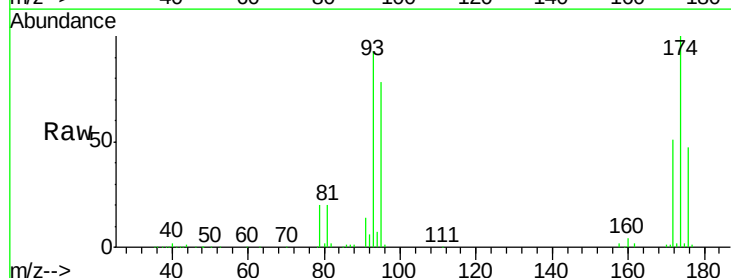
MMDadoda

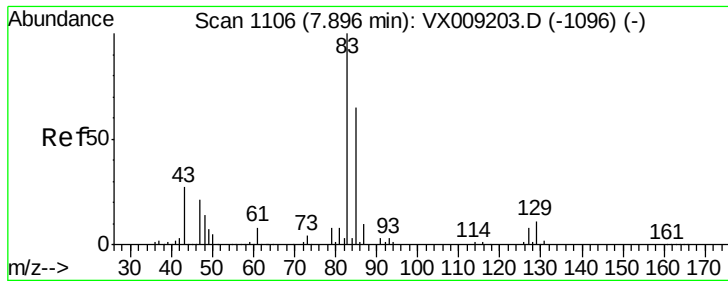
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#46
 Dibromomethane
 Concen: 51.593 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

Tgt Ion: 93 Resp: 76655
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 104.0 82.1 123.1





#47

Bromodichloromethane

Concen: 52.859 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 156660

Ion Ratio Lower Upper

83 100

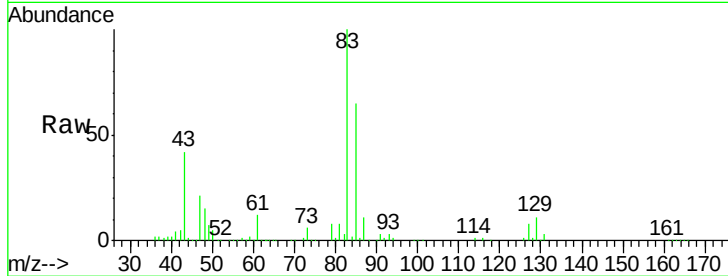
85 64.7 52.4 78.6

127 8.2 6.6 10.0

Manual Integrations
APPROVED

MMDadoda

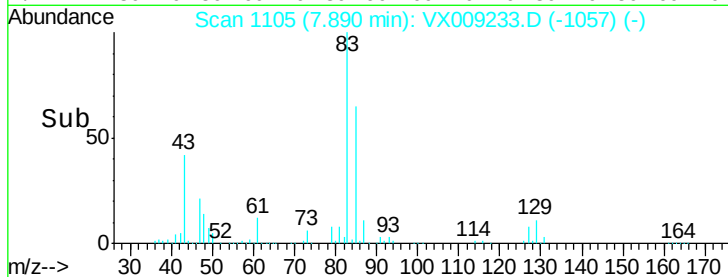
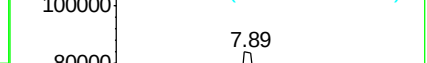
5/1/2019 10:04:58 AM



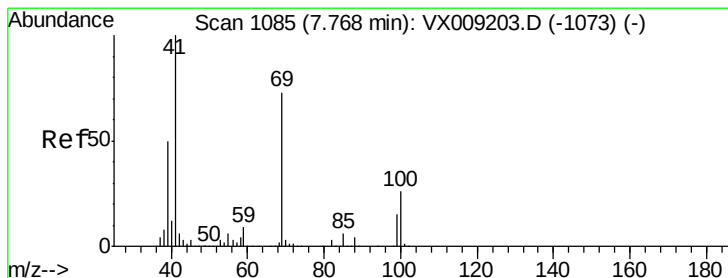
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



Time-->



#48

Methyl methacrylate

Concen: 52.964 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

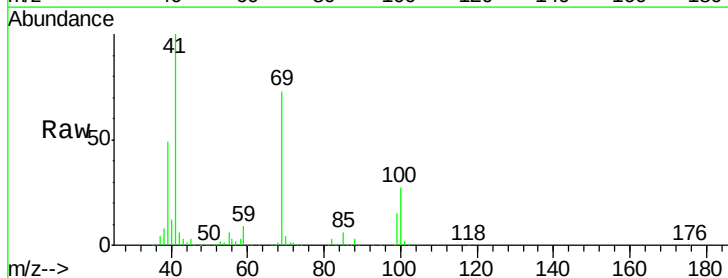
Tgt Ion: 41 Resp: 170979

Ion Ratio Lower Upper

41 100

69 73.6 59.1 88.7

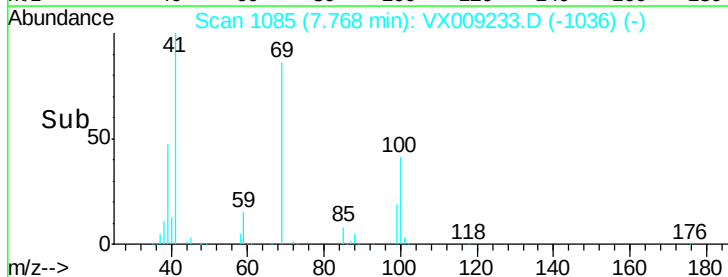
39 49.6 40.4 60.6



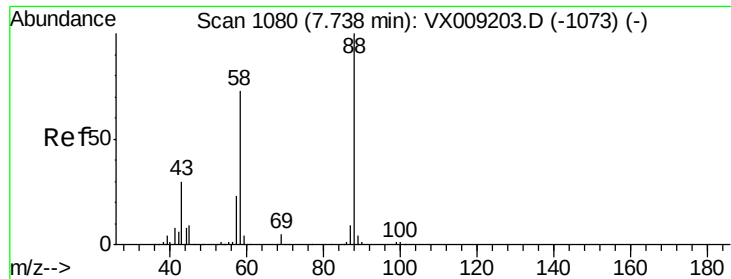
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#49
1,4-Dioxane
Concen: 974.816 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

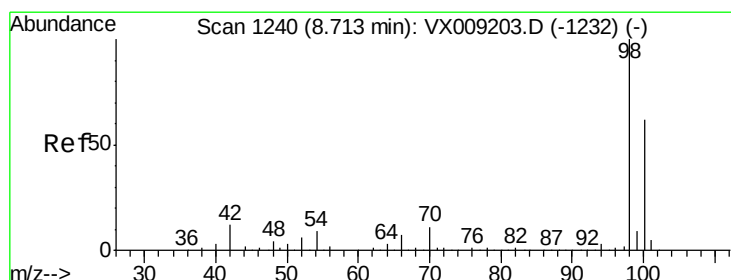
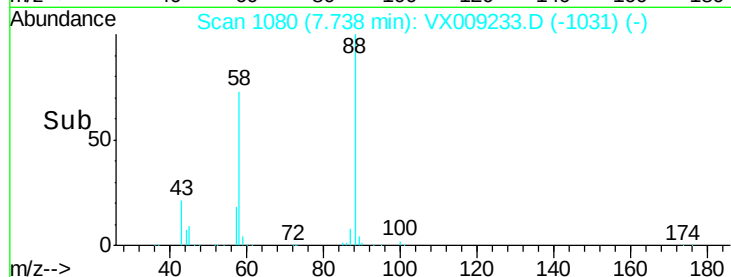
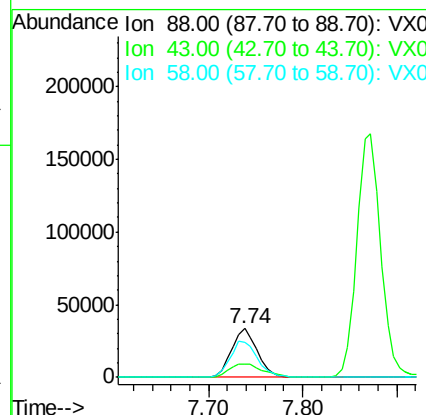
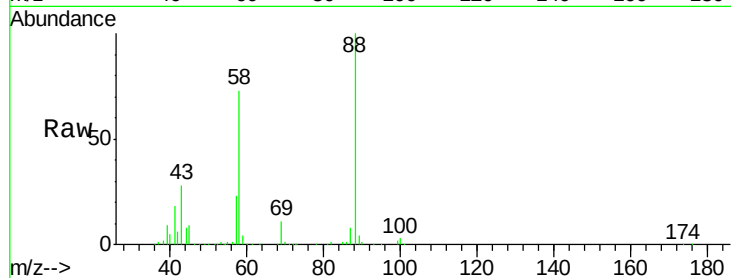
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.6	42.8
58	79.5	61.7	92.5

Manual Integrations
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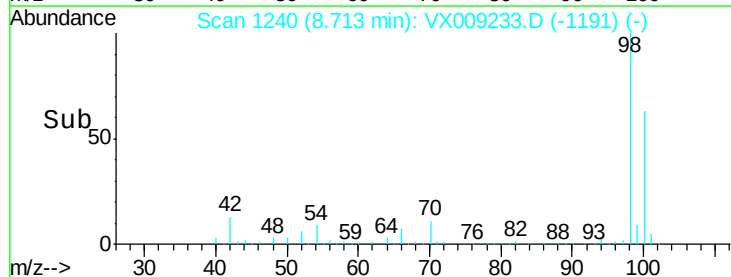
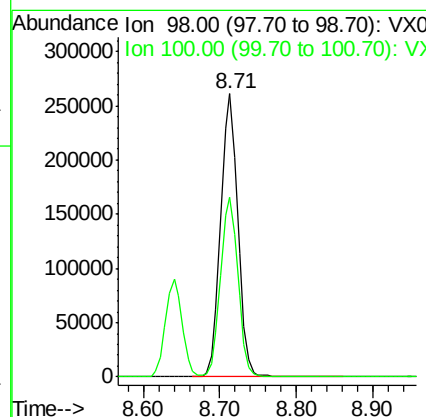
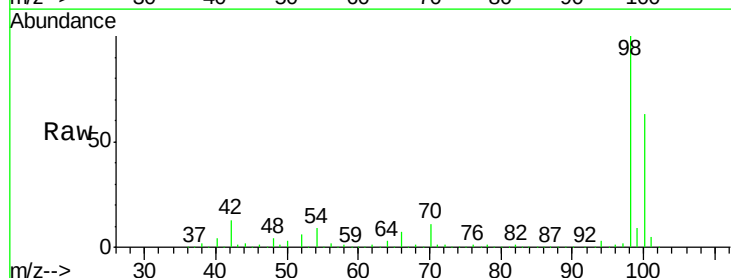
MMDadoda

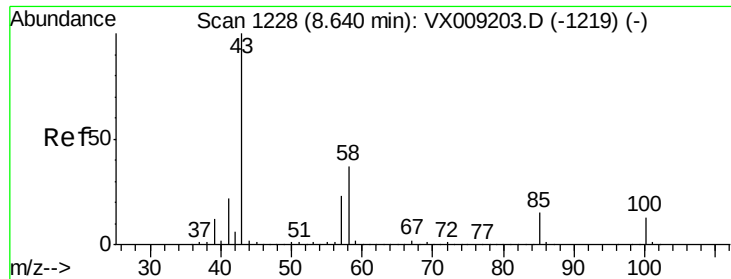
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#50
Toluene-d8
Concen: 51.090 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 259.871 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1105237

Ion Ratio Lower Upper

43 100

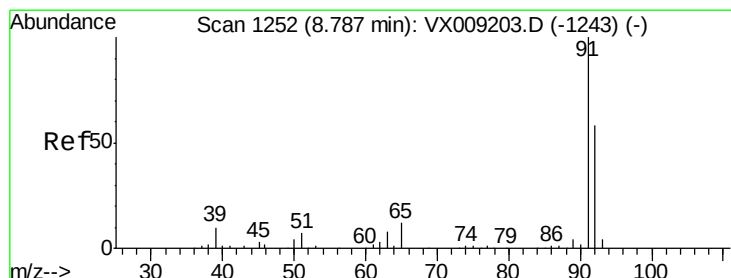
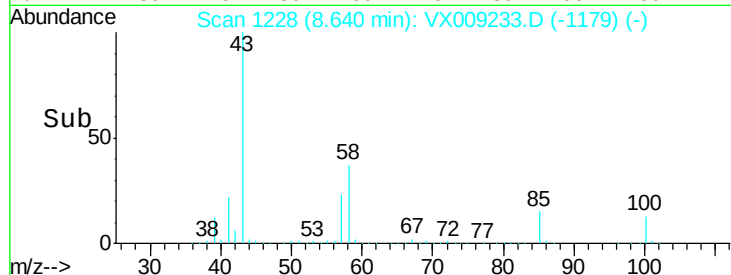
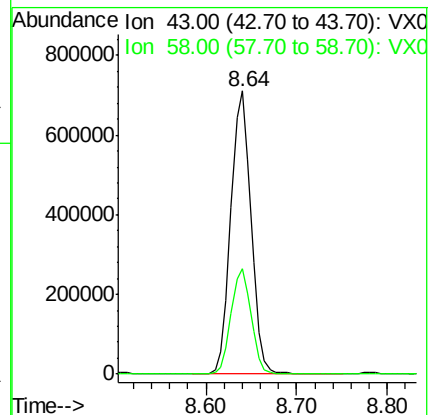
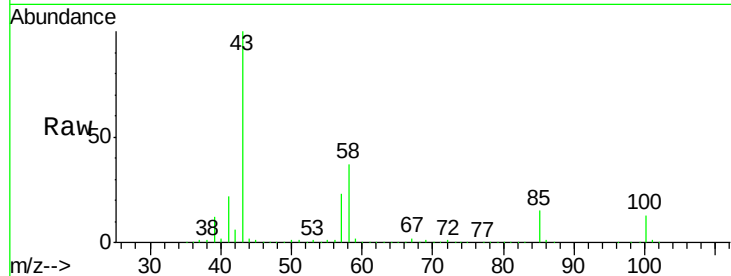
58 36.9 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 52.701 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009233.D

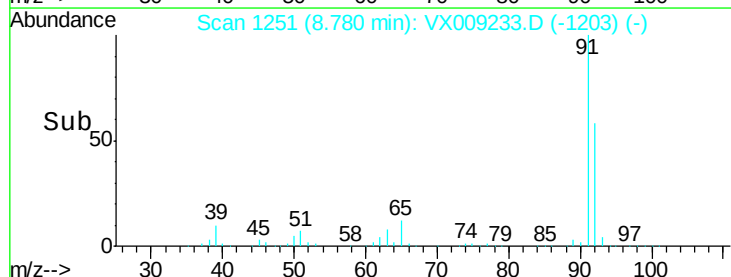
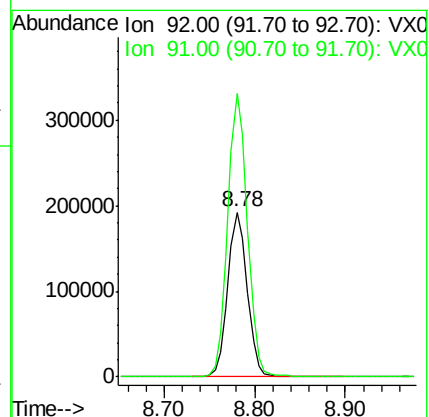
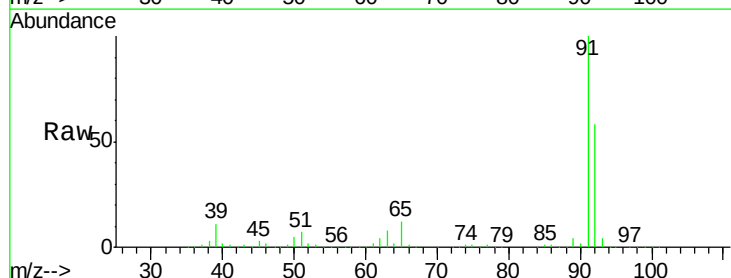
Acq: 30 Apr 2019 09:53

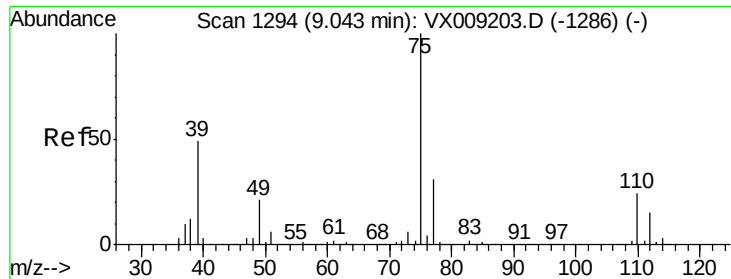
Tgt Ion: 92 Resp: 289466

Ion Ratio Lower Upper

92 100

91 173.6 138.8 208.2





#53
t-1,3-Dichloropropene
Concen: 55.218 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

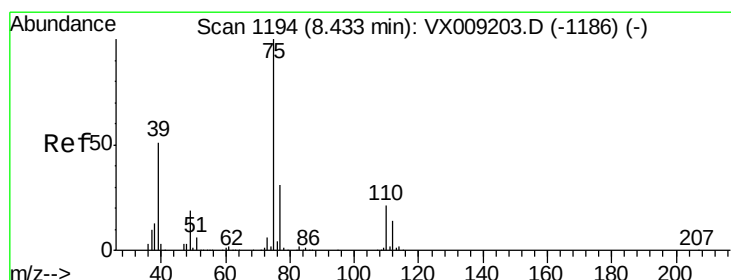
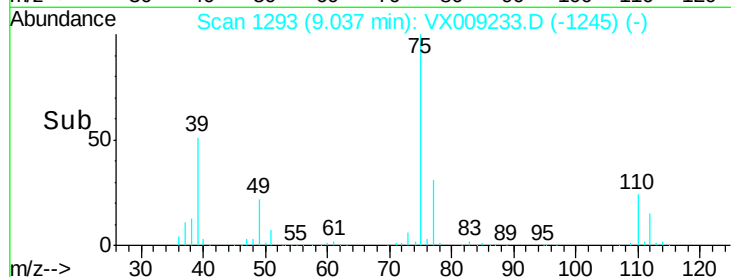
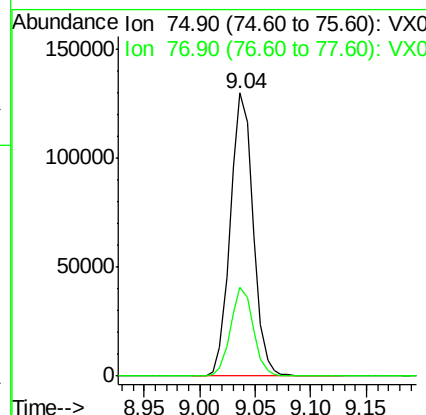
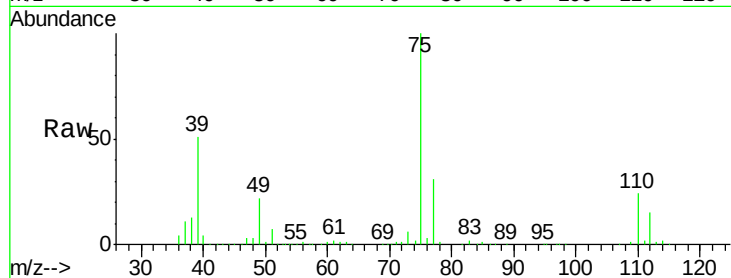
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 184766
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

Manual Integrations
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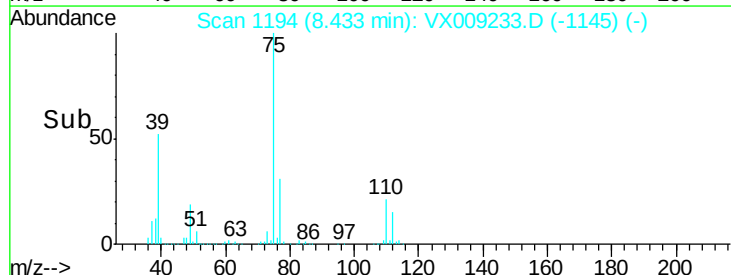
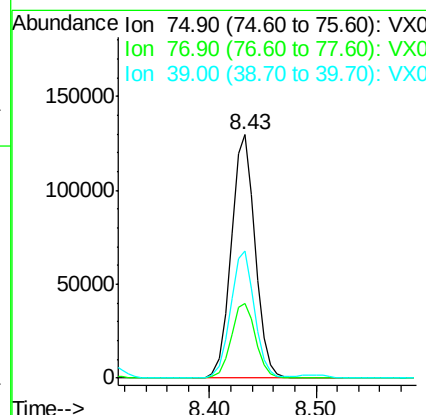
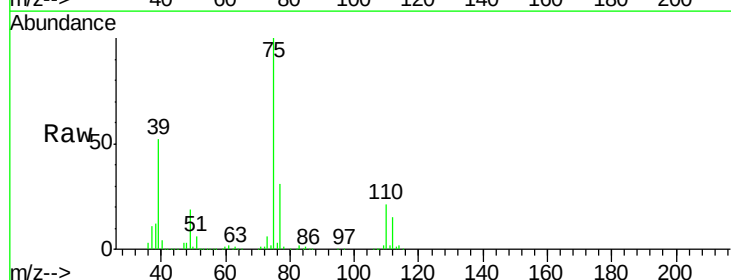
MMDadoda

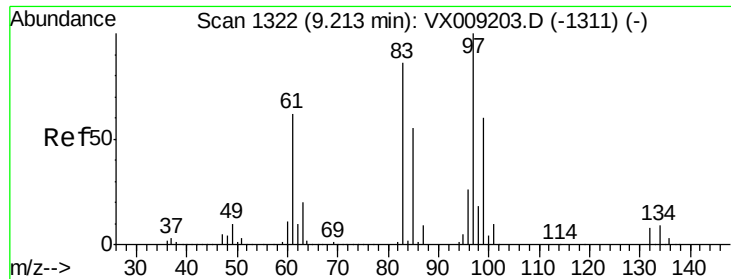
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#54
cis-1,3-Dichloropropene
Concen: 55.074 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion: 75 Resp: 203974
Ion Ratio Lower Upper
75 100
77 30.6 24.6 36.8
39 52.0 40.6 60.8





#55
 1,1,2-Trichloroethane
 Concen: 52.248 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

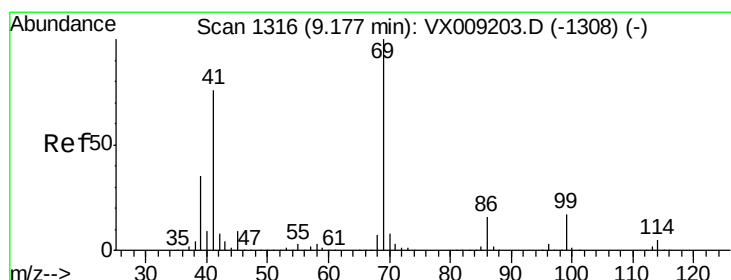
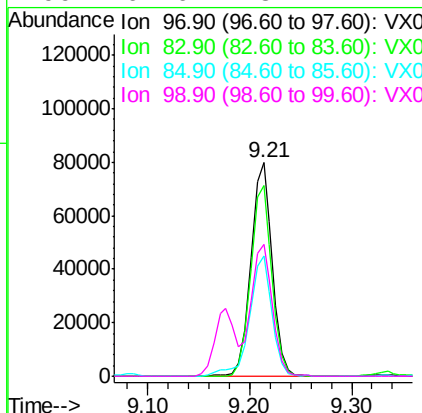
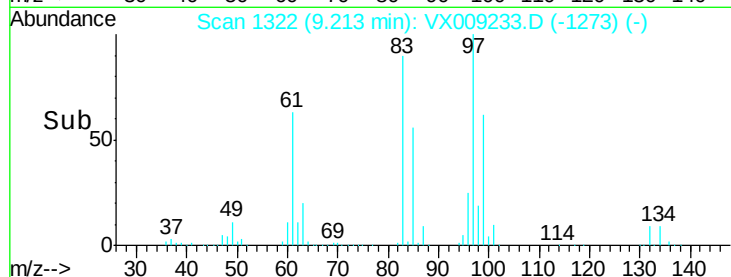
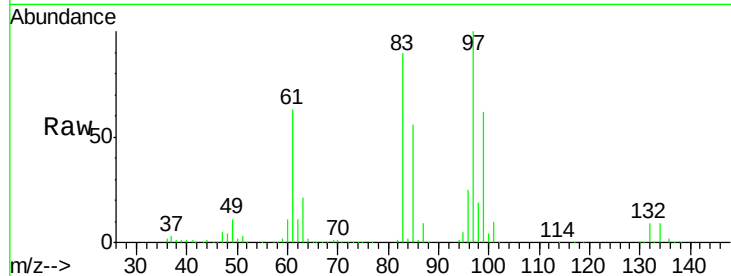
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	117079
Ion	Ratio	Lower	Upper
97	100		
83	89.5	68.9	103.3
85	56.2	43.8	65.6
99	61.6	48.2	72.2

Manual Integrations
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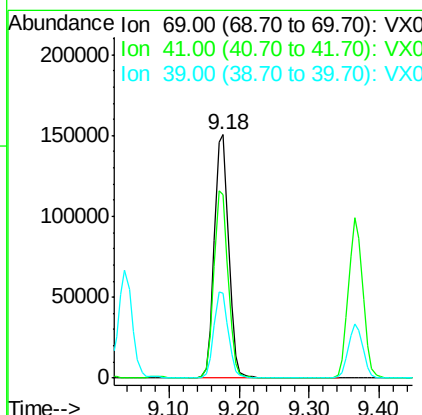
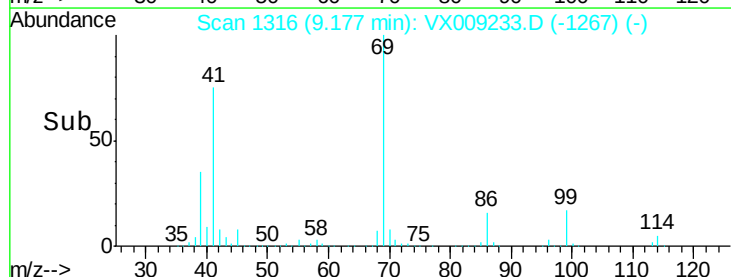
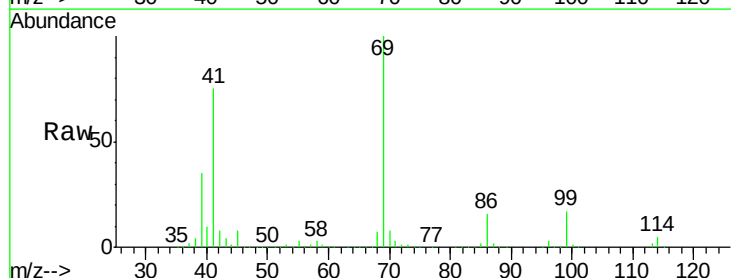
MMDadoda

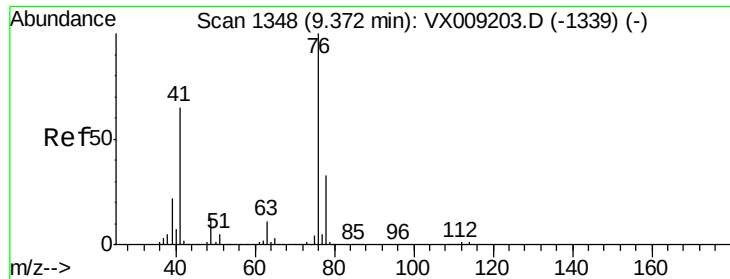
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#56
 Ethyl methacrylate
 Concen: 54.034 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

Tgt Ion:	69	Resp:	216135
Ion	Ratio	Lower	Upper
69	100		
41	75.9	60.6	90.8
39	35.2	28.2	42.4





#57
 1,3-Dichloropropane
 Concen: 52.581 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

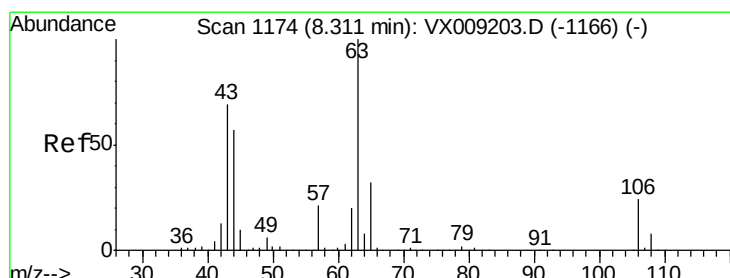
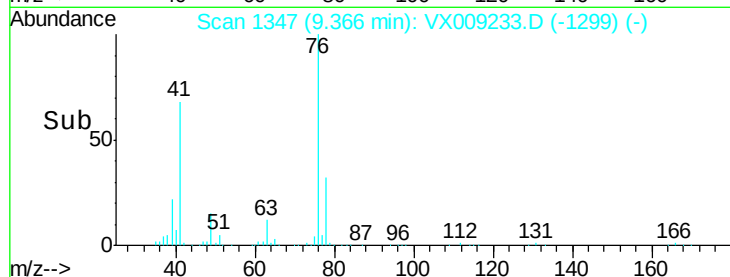
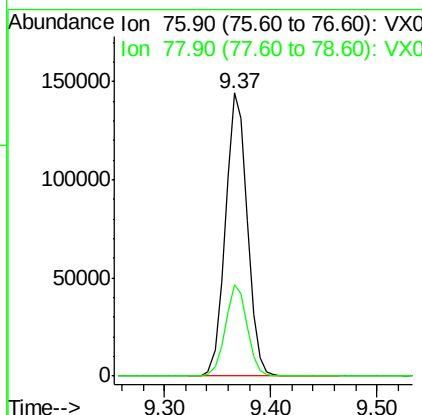
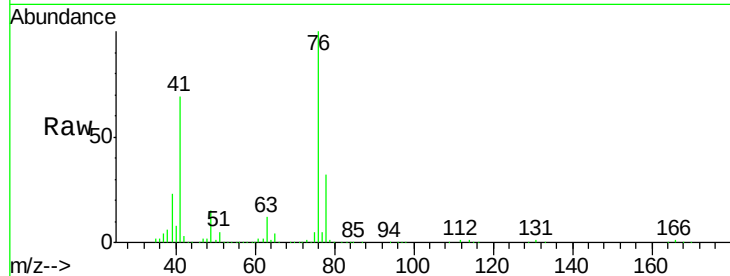
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

Manual Integrations
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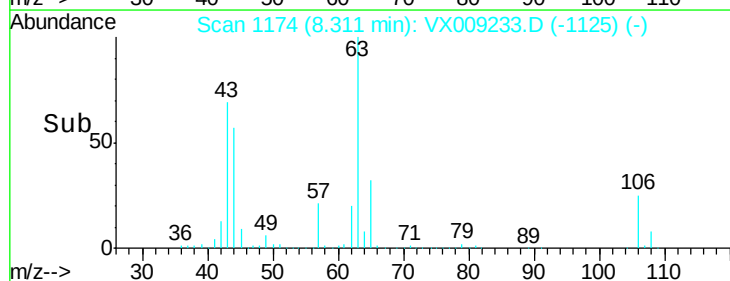
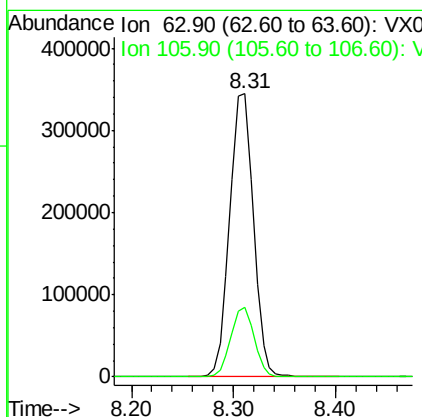
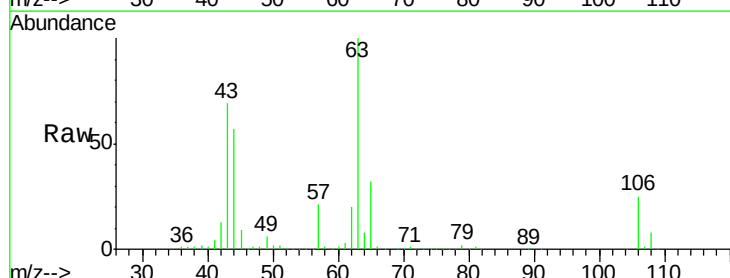
MMDadoda

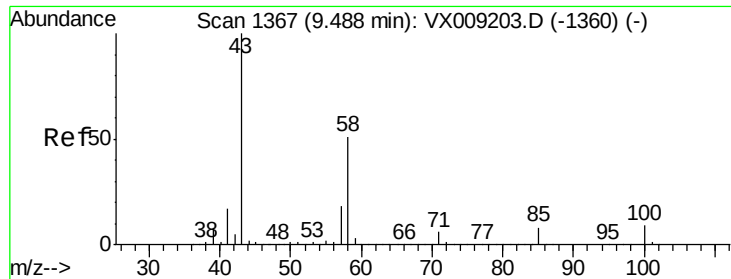
5/1/2019 10:04:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.425 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.7	29.5





#59
2-Hexanone
Concen: 266.564 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

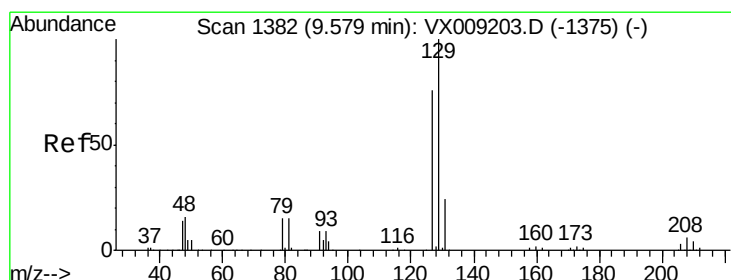
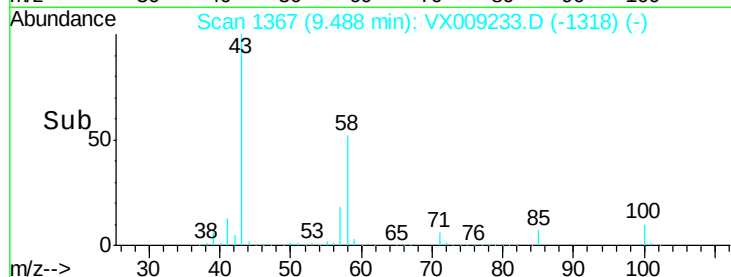
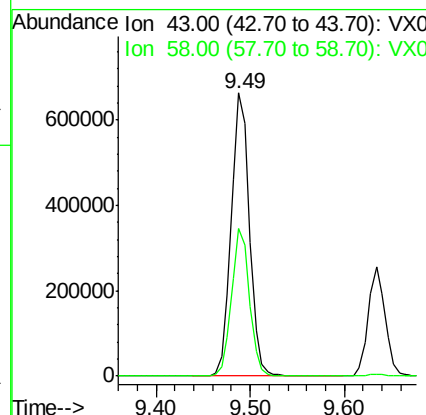
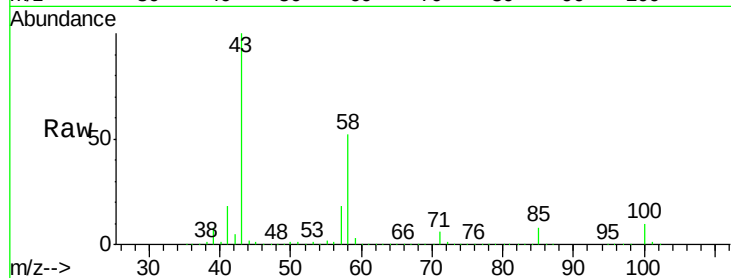
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.7

Manual Integrations
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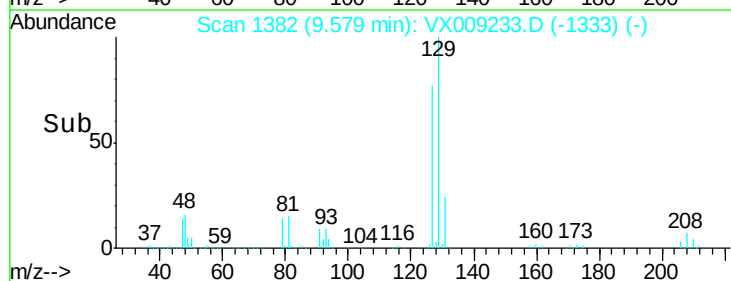
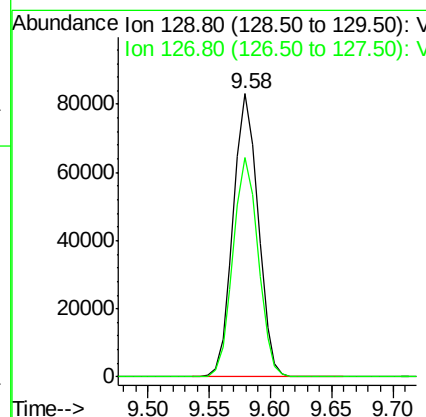
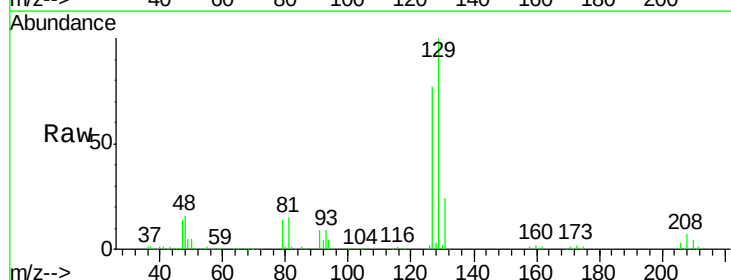
MMDadoda

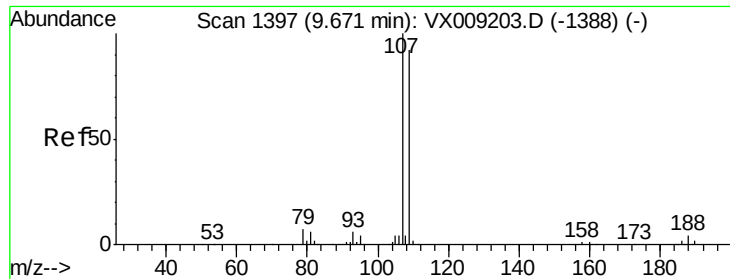
5/1/2019 10:04:58 AM



#60
Dibromochloromethane
Concen: 53.829 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.4	115.1





#61

1,2-Dibromoethane

Concen: 52.531 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 118824

Ion Ratio Lower Upper

107 100

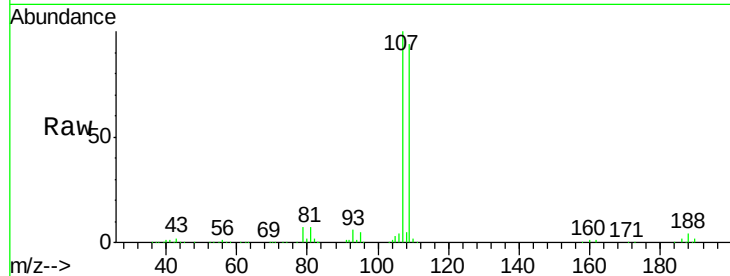
109 93.9 75.2 112.8

Manual Integrations

APPROVED

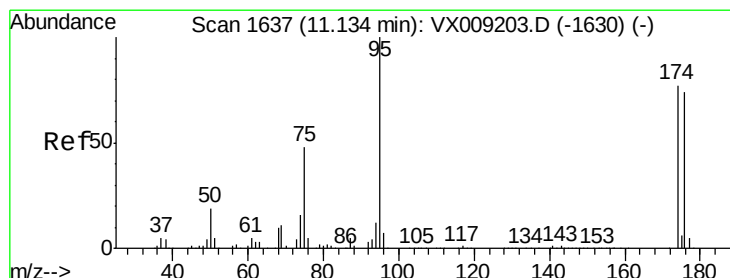
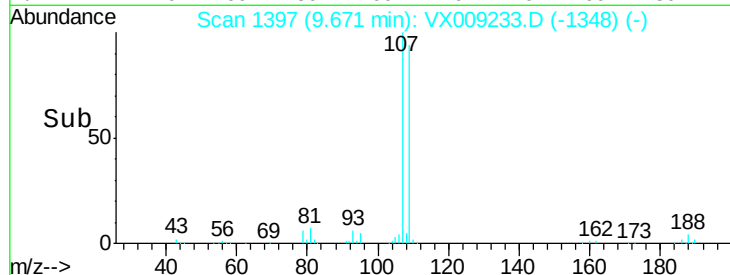
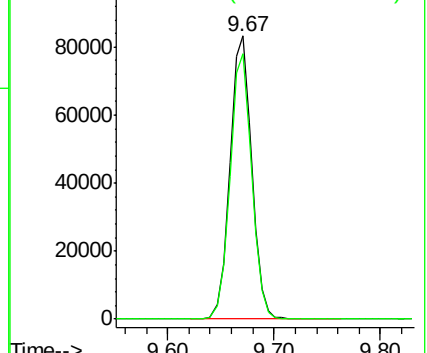
MMDadoda

5/1/2019 10:04:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.154 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

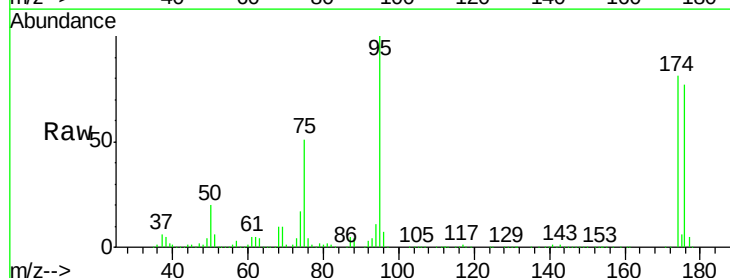
Tgt Ion: 95 Resp: 148209

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

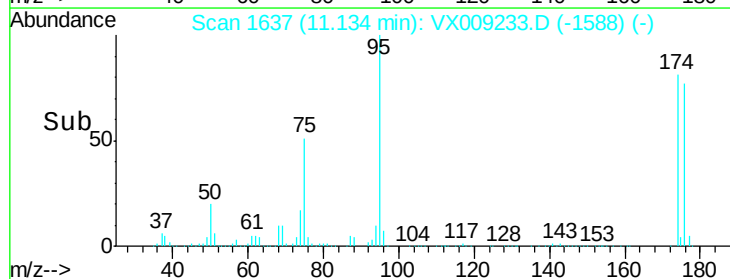
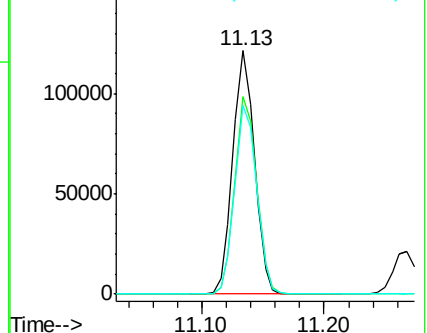
176 79.1 0.0 159.2

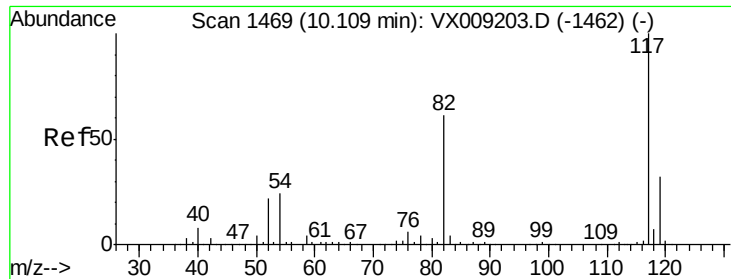


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX009233.D
Acq: 30 Apr 2019 09:53

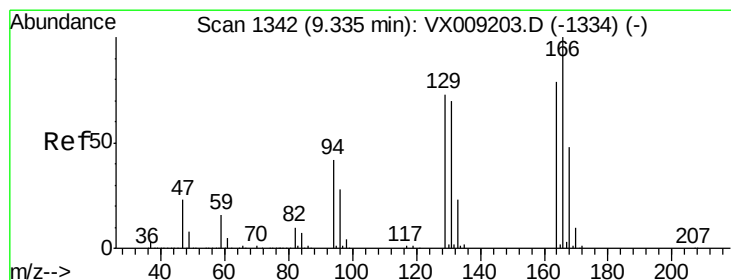
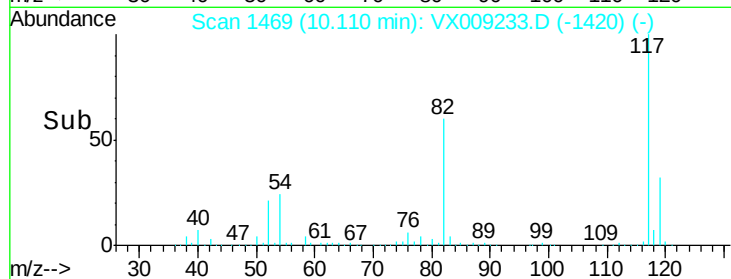
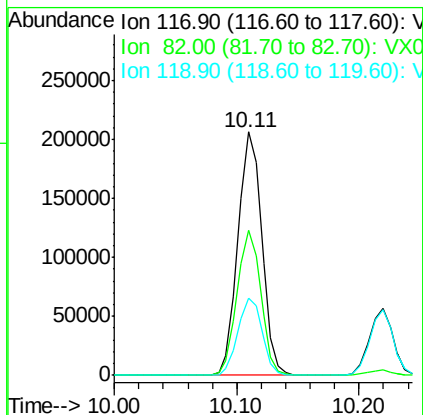
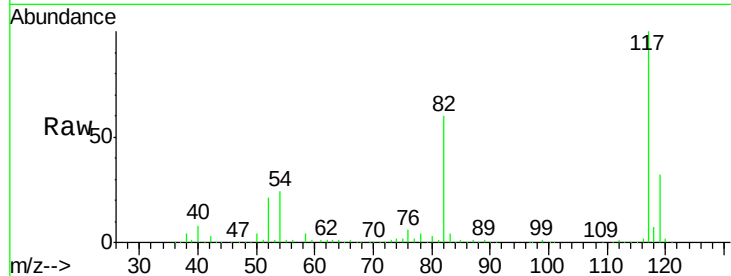
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	48.8	73.2
119	31.6	25.8	38.6

Manual Integrations
APPROVED

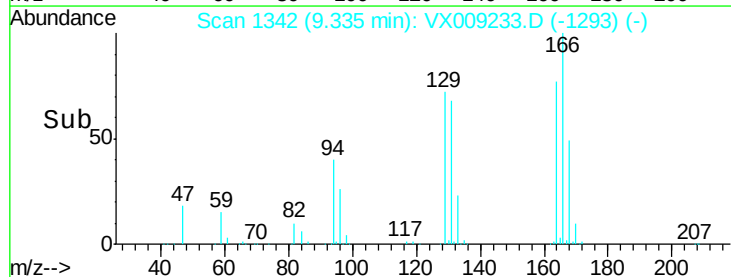
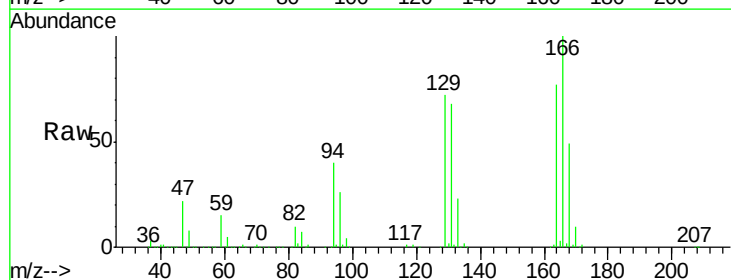
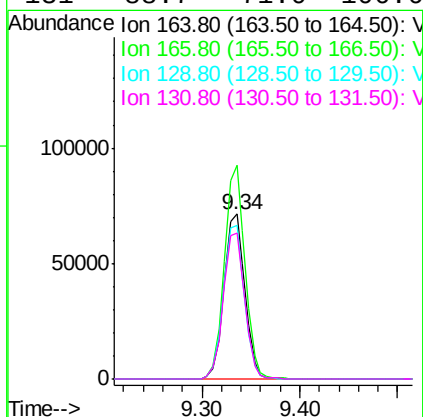
MMDadoda

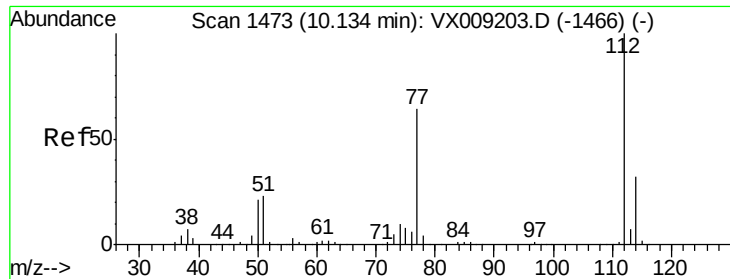
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#64
Tetrachloroethene
Concen: 55.147 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.2	151.8
129	93.1	74.3	111.5
131	88.7	71.0	106.6





#65
Chlorobenzene
Concen: 53.758 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

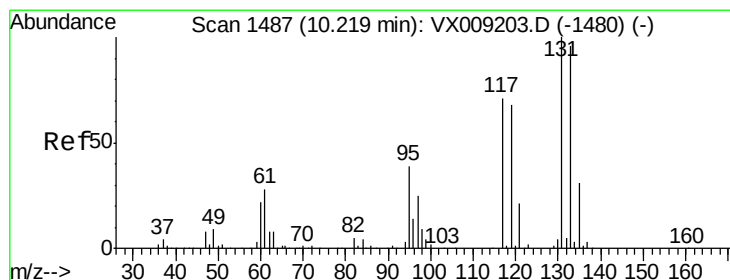
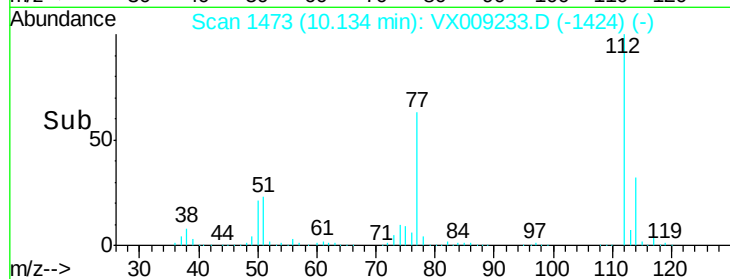
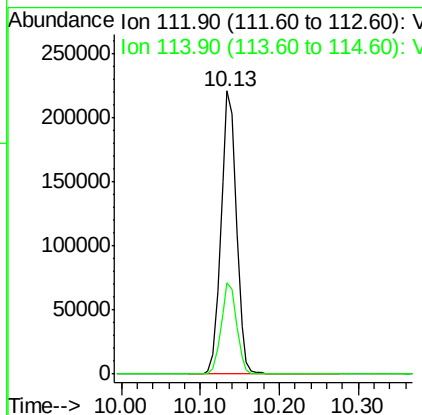
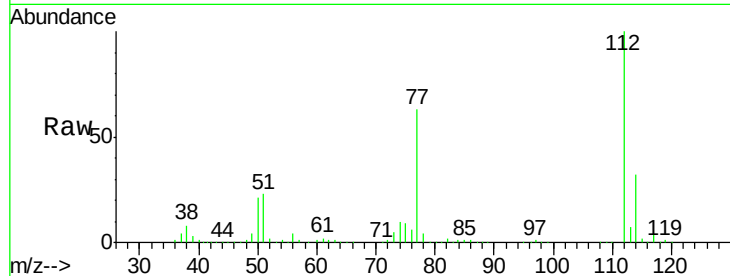
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.5	38.3

Manual Integrations
APPROVED

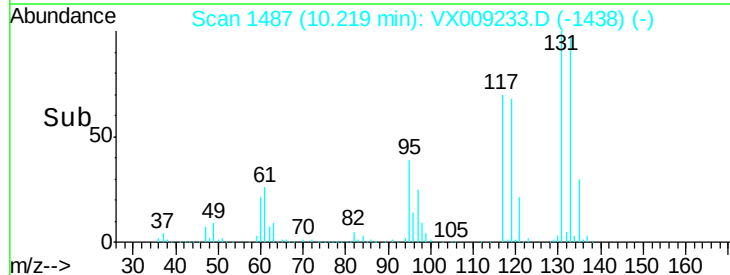
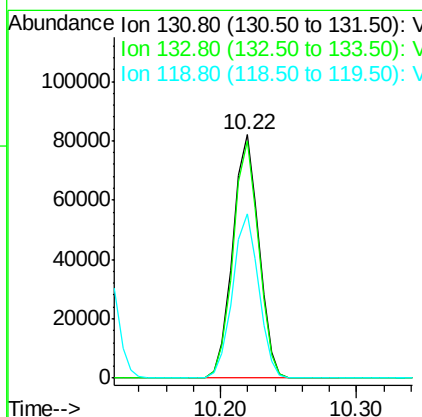
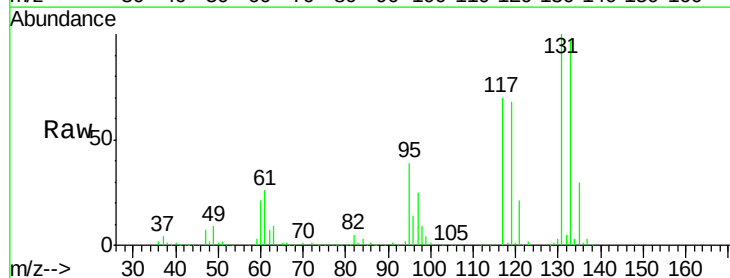
MMDadoda

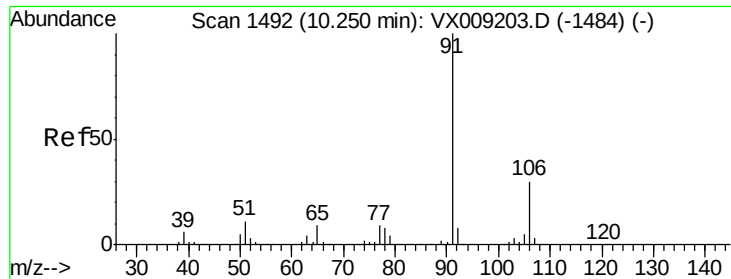
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.211 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.7	143.1
119	67.4	33.5	100.4





#67
Ethyl Benzene
Concen: 55.015 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

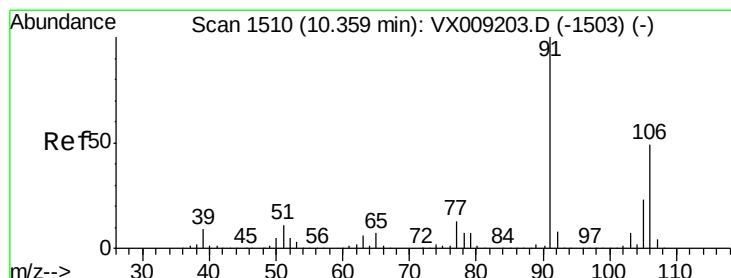
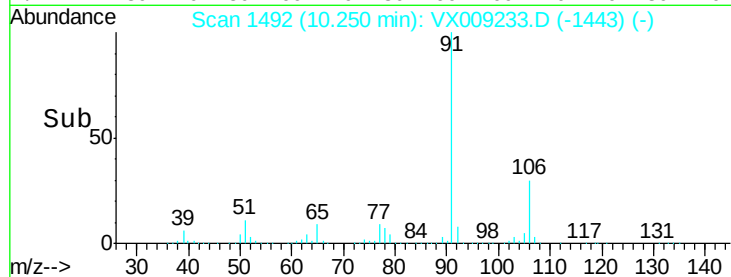
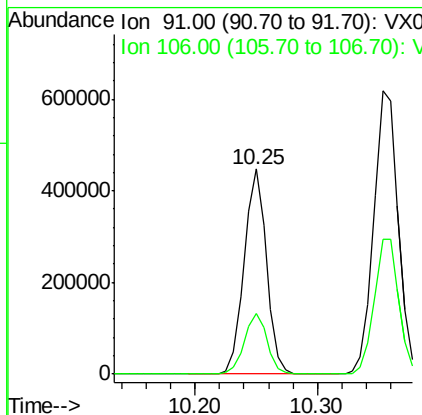
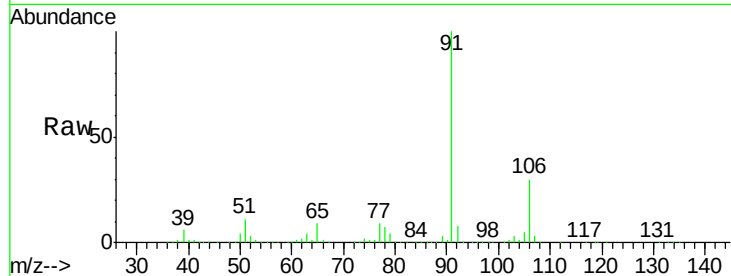
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 565997
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0

Manual Integrations
APPROVED

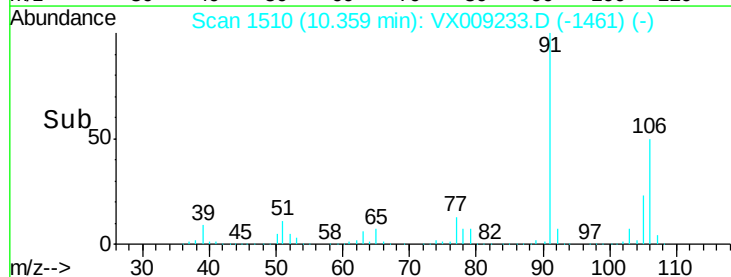
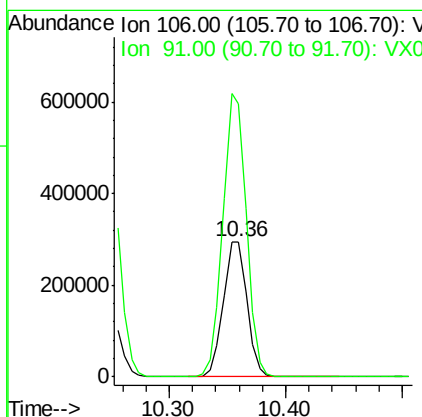
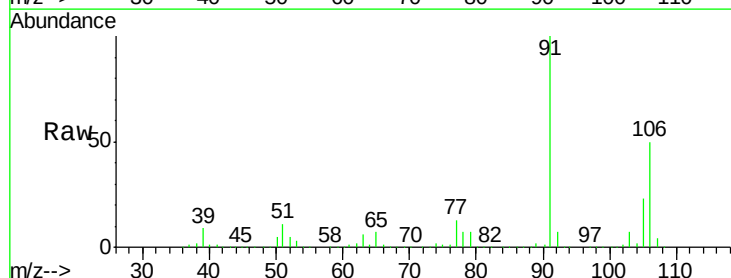
MMDadoda

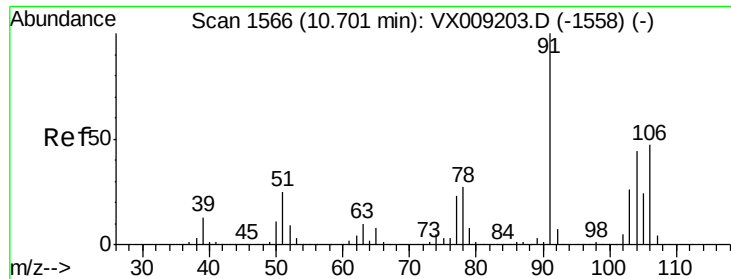
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#68
m/p-Xylenes
Concen: 110.130 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion: 106 Resp: 414040
Ion Ratio Lower Upper
106 100
91 207.7 164.0 246.0





#69
o-Xylene
Concen: 54.173 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

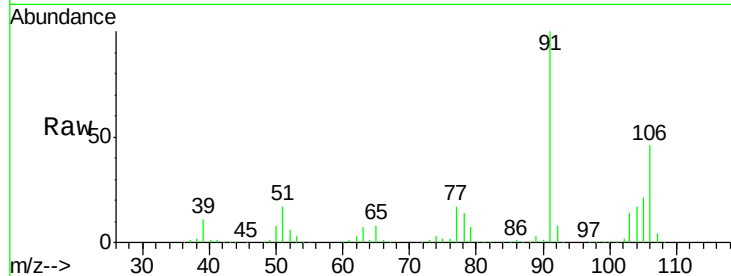
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 200949
Ion Ratio Lower Upper
106 100
91 219.4 109.5 328.4

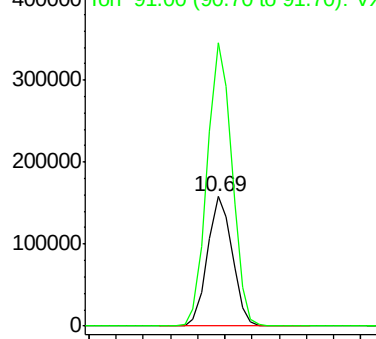
Manual Integrations
APPROVED

MMDadoda

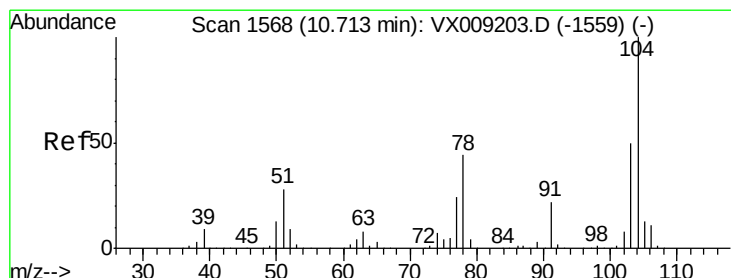
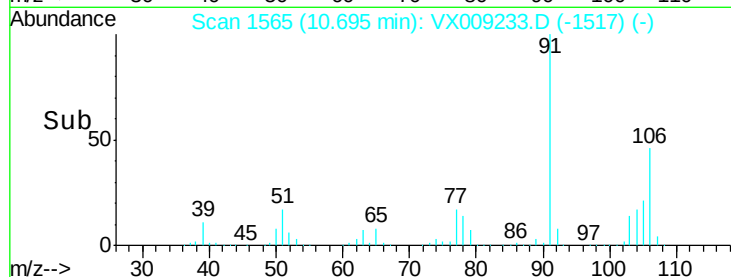
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

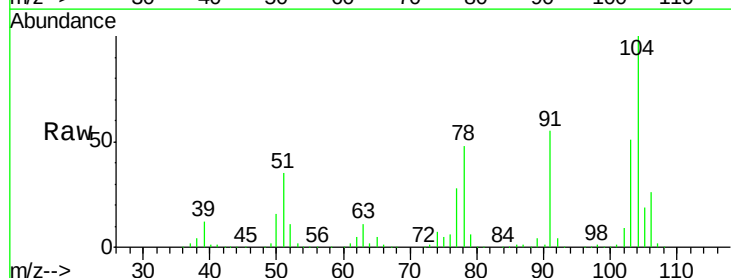


Time--> 10.60 10.70

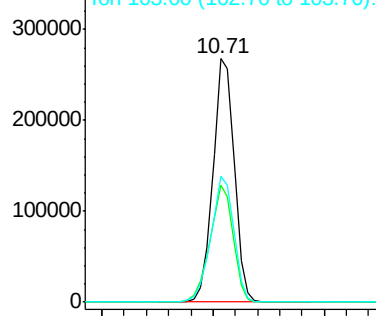


#70
Styrene
Concen: 55.121 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

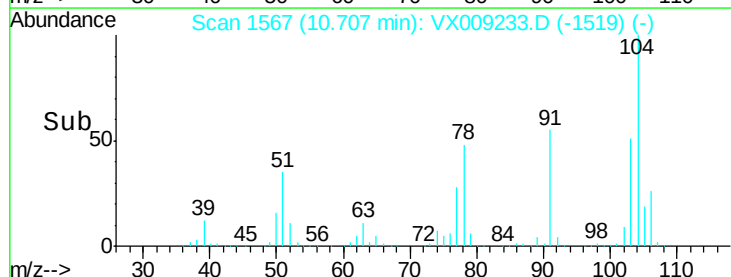
Tgt Ion:104 Resp: 355374
Ion Ratio Lower Upper
104 100
78 52.0 41.0 61.4
103 55.4 43.8 65.6

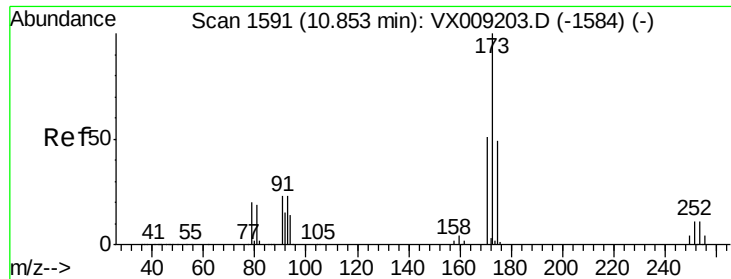


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time--> 10.60 10.70 10.80





#71

Bromoform

Concen: 54.181 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 89234

Ion Ratio Lower Upper

173 100

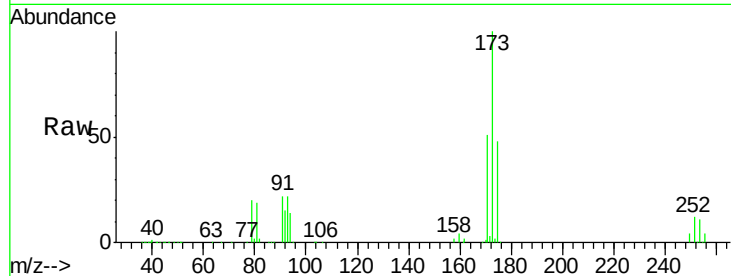
175 48.5 24.5 73.5

254 0.2 0.1 0.1#

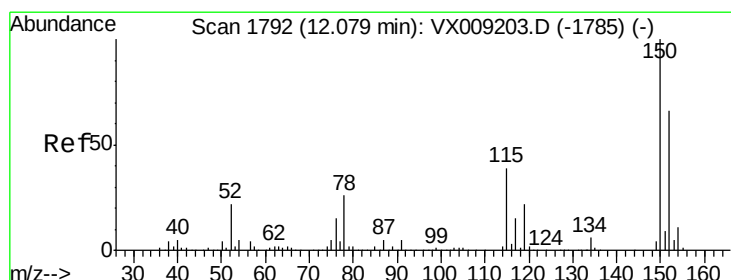
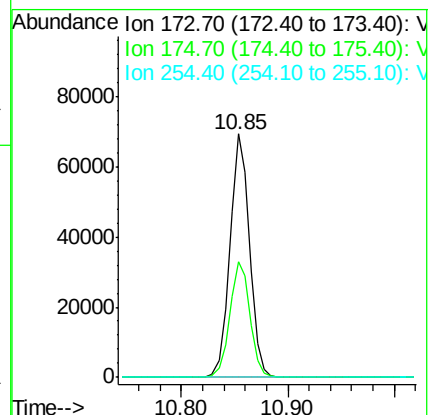
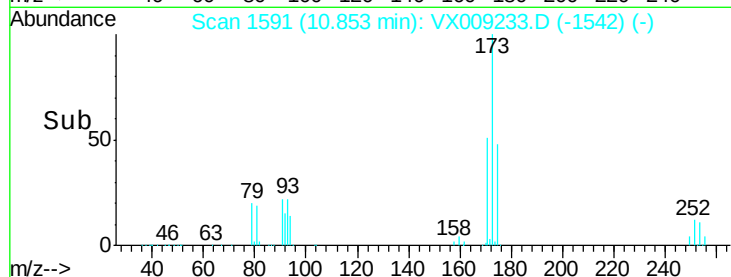
Manual Integrations
APPROVED

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

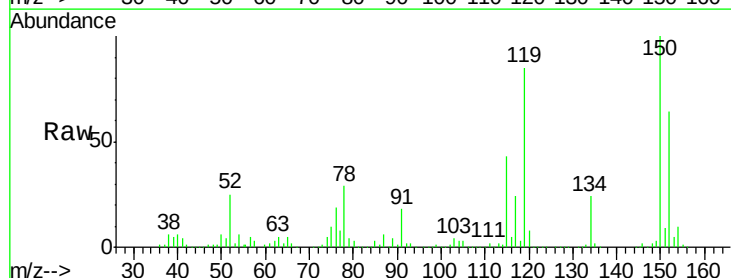
Tgt Ion:152 Resp: 140303

Ion Ratio Lower Upper

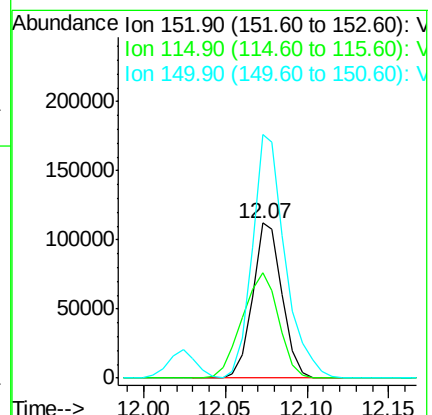
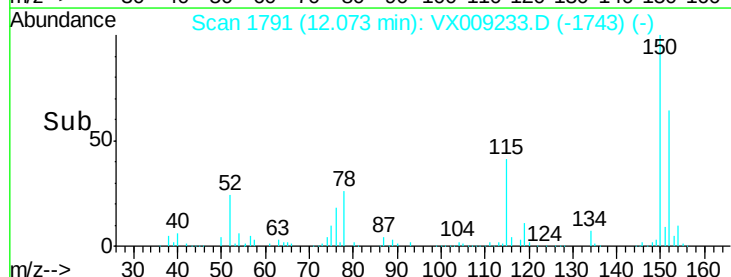
152 100

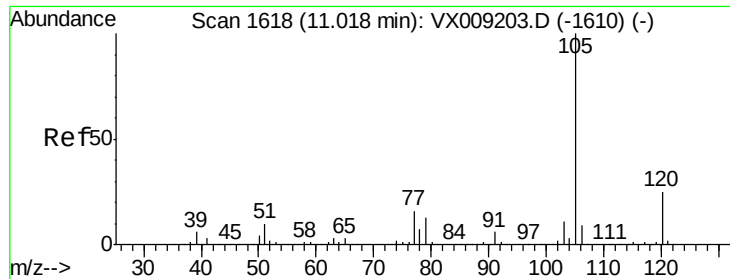
115 84.4 41.2 123.6

150 175.0 0.0 346.4



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: 53.316 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 543967

Ion Ratio Lower Upper

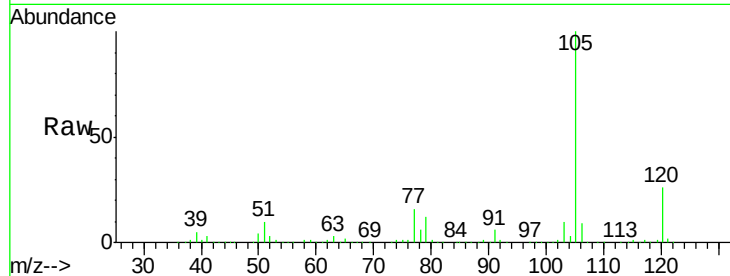
105 100

120 25.7 12.8 38.3

Manual Integrations
APPROVED

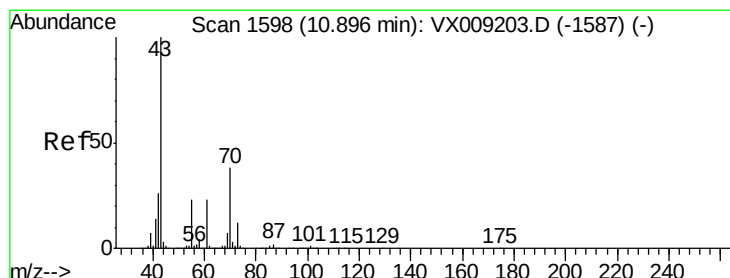
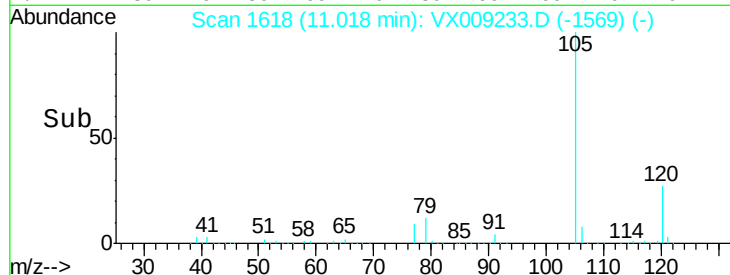
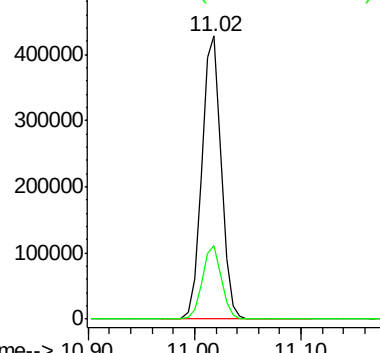
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.343 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Tgt Ion: 43 Resp: 317299

Ion Ratio Lower Upper

43 100

70 36.8 30.0 45.0

55 22.4 17.9 26.9

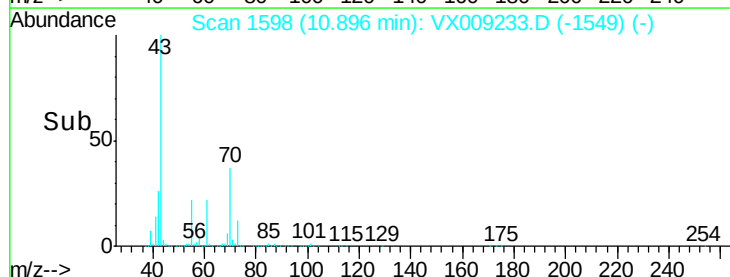
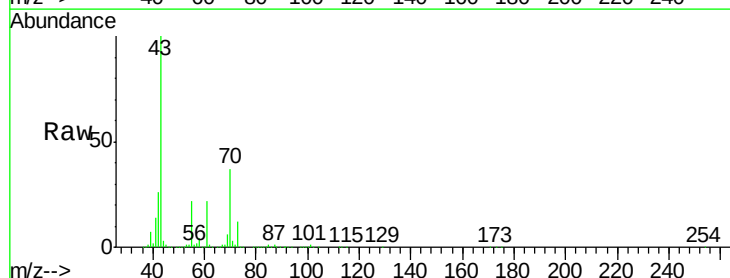
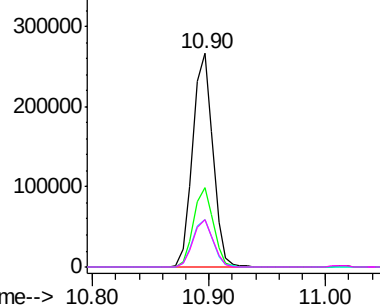
61 22.2 18.4 27.6

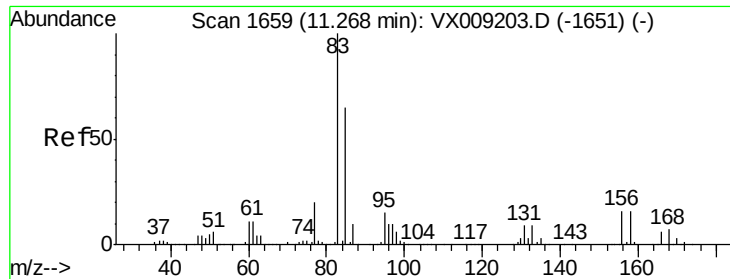
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.834 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

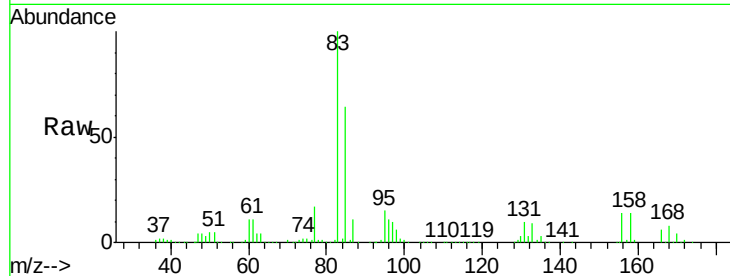
VSTDCCC050

Tot Ion:	83	Resp:	189537
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	63.8	32.0	96.2

Manual Integrations
APPROVED

MMDadoda

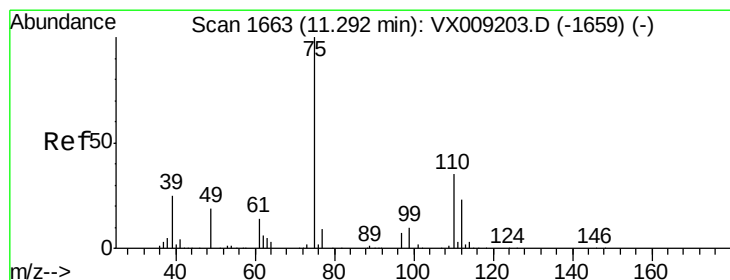
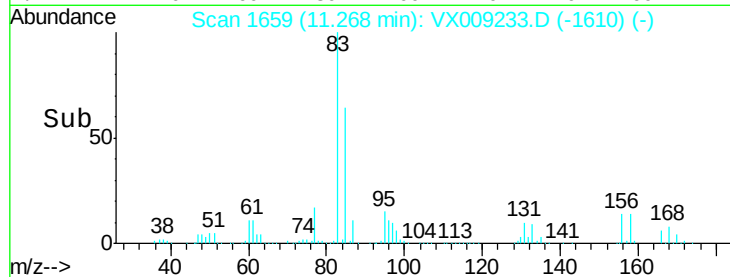
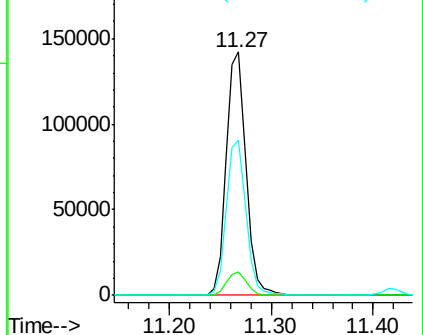
5/1/2019 10:04:58 AM



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: 52.412 ug/l m

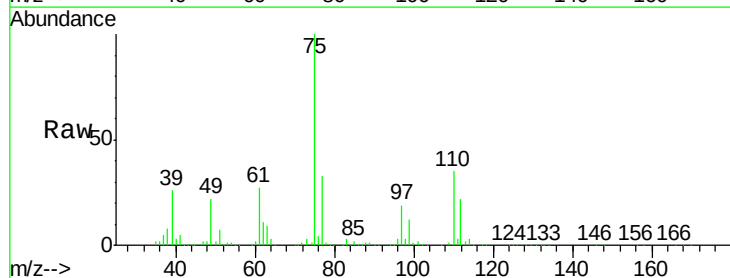
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009233.D

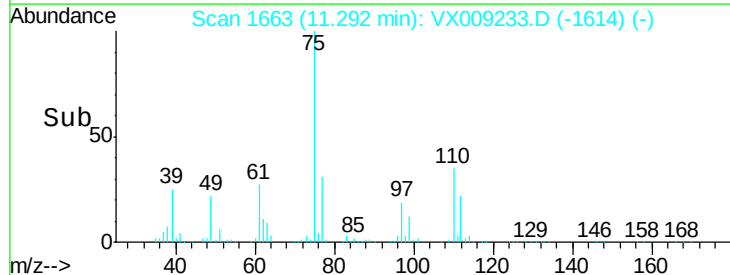
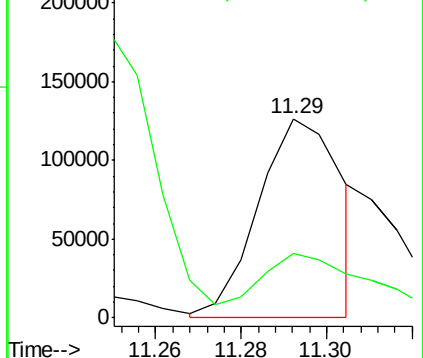
Acq: 30 Apr 2019 09:53

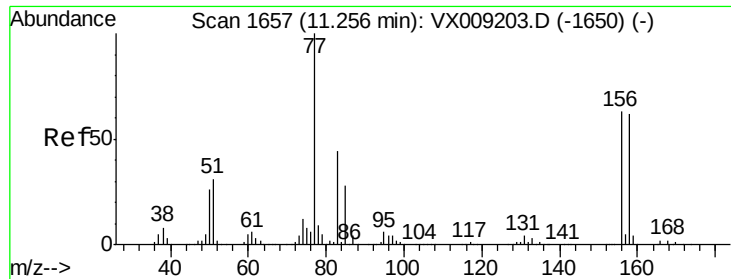
Tgt Ion:	75	Resp:	170577
Ion Ratio	Lower	Upper	
75	100		
77	43.6	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.320 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

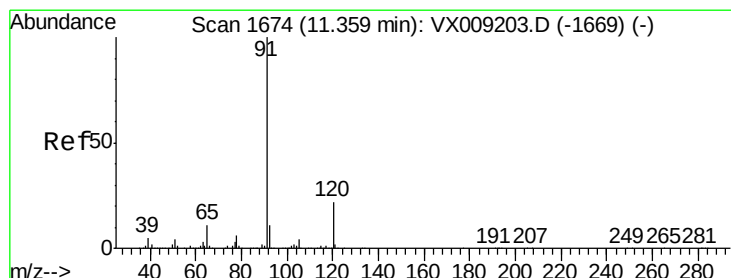
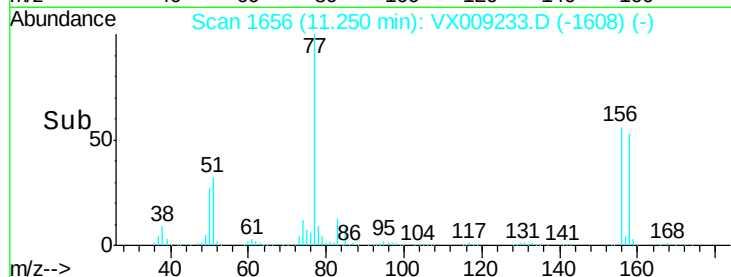
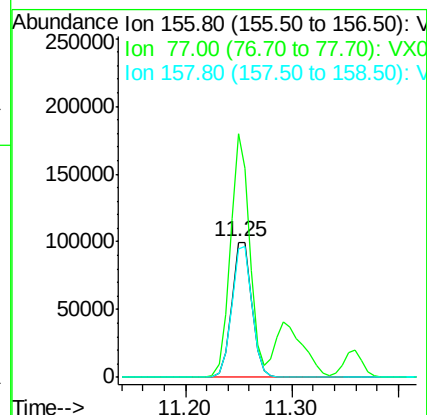
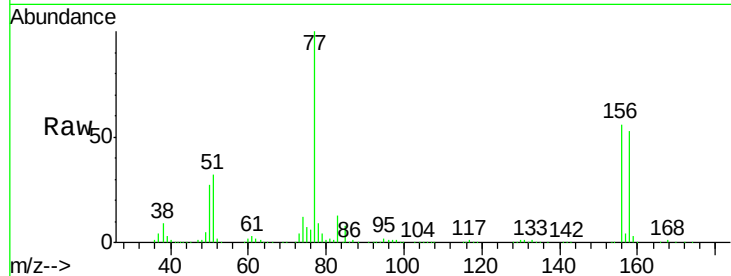
VSTDCCC050

Tot Ion:	156	Resp:	132492
Ion Ratio	Lower	Upper	
156	100		
77	171.2	84.8	254.3
158	97.0	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 54.989 ug/l

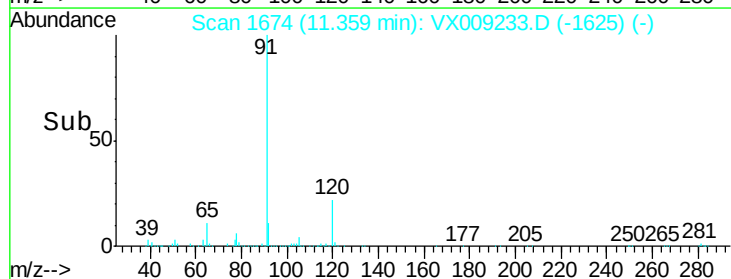
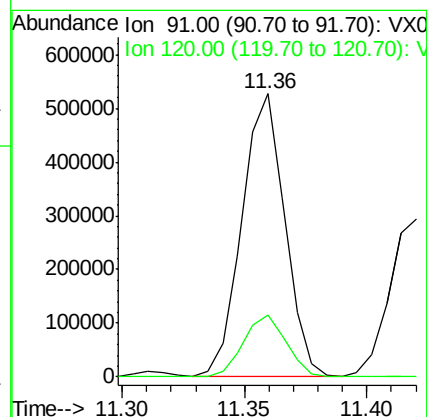
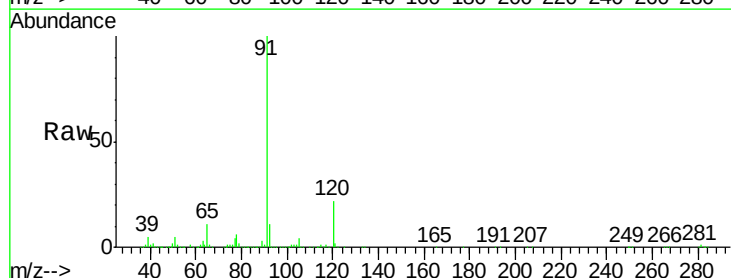
RT: 11.36 min Scan# 1674

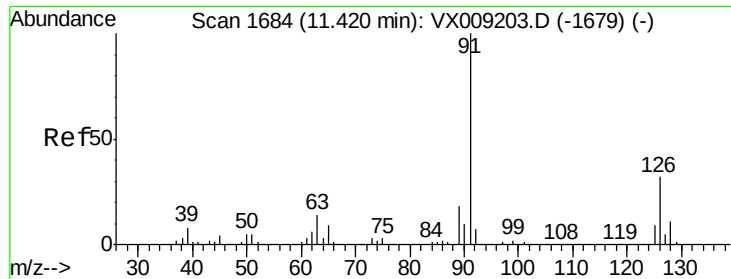
Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Tgt Ion:	91	Resp:	640732
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.0	33.0





#79

2-Chlorotoluene

Concen: 51.914 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 373194

Ion Ratio Lower Upper

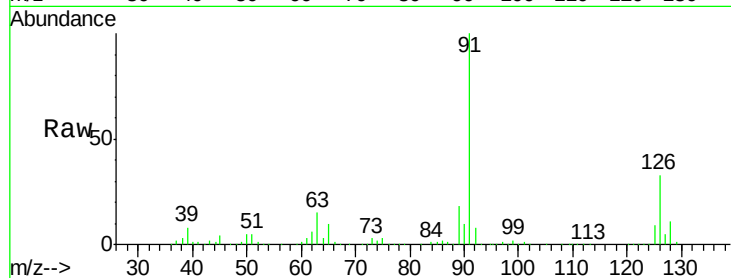
91 100

126 32.7 16.3 48.9

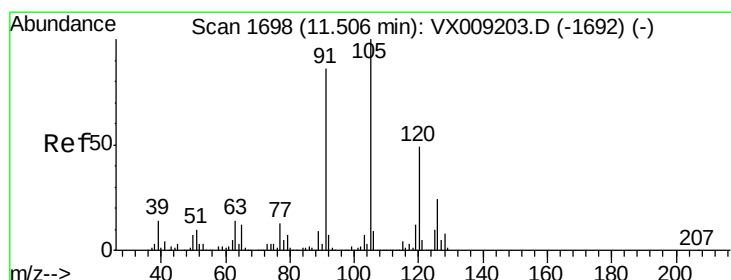
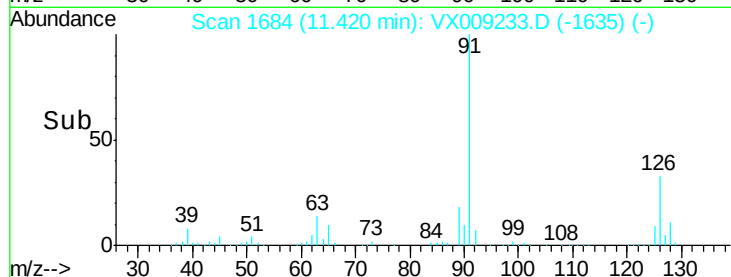
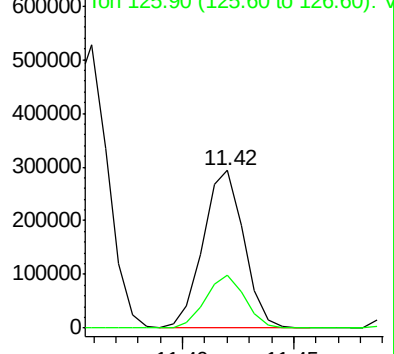
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX009233.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.063 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009233.D

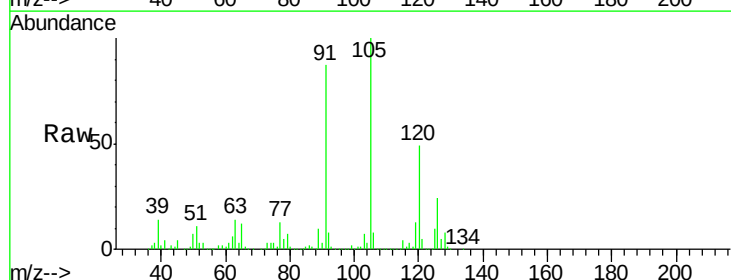
Acq: 30 Apr 2019 09:53

Tgt Ion: 105 Resp: 464441

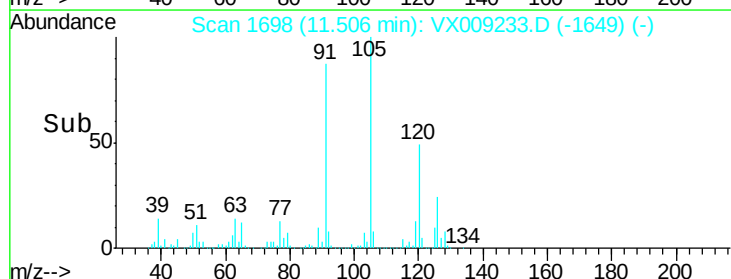
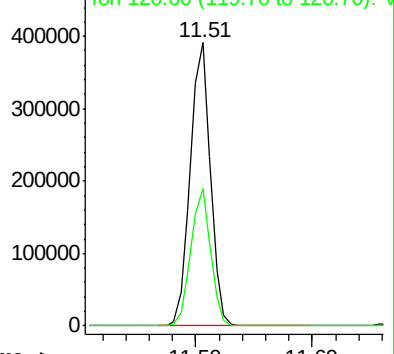
Ion Ratio Lower Upper

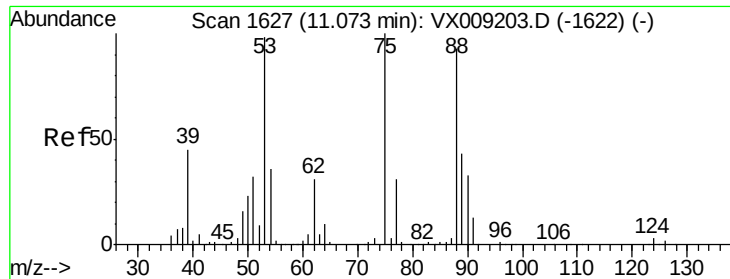
105 100

120 47.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009233.D (-1692) (-)





#81
trans-1,4-Dichloro-2-butene
Concen: 53.850 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

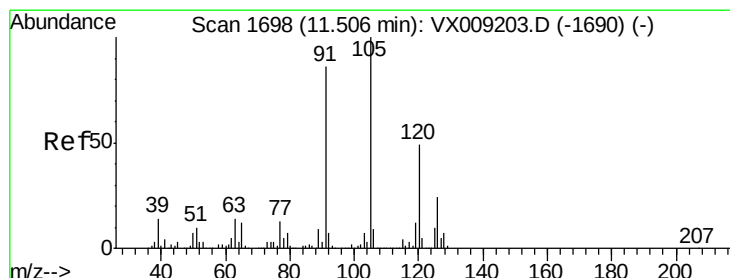
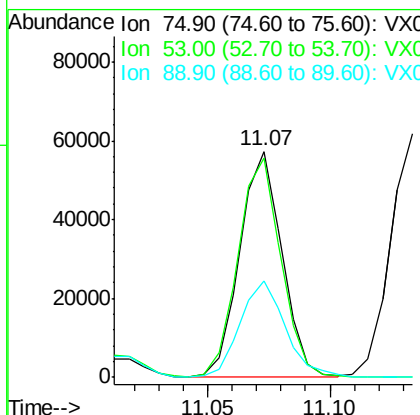
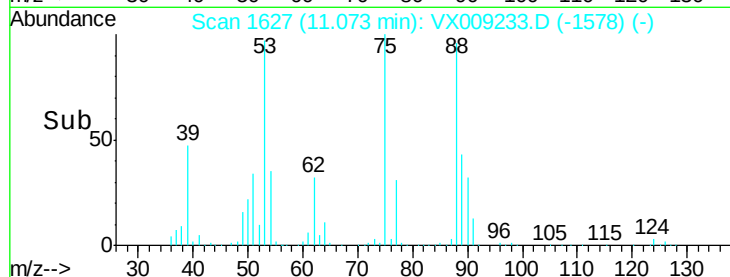
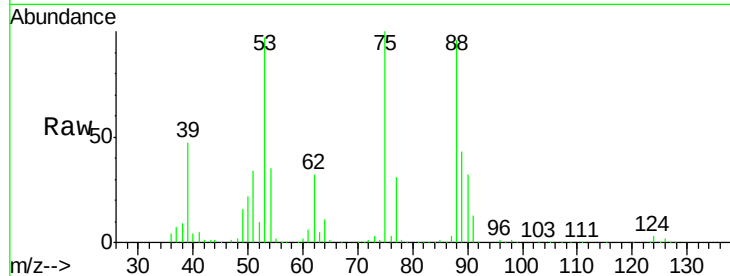
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	79.0	118.6
89	46.1	34.7	52.1

Manual Integrations
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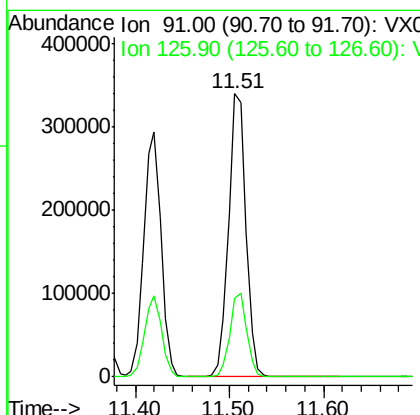
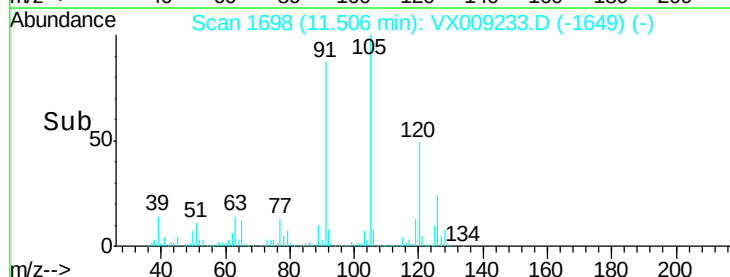
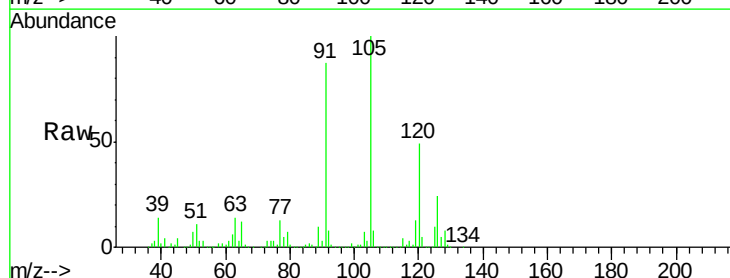
MMDadoda

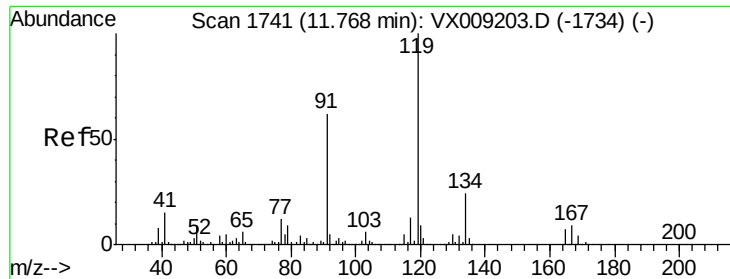
5/1/2019 10:04:58 AM



#82
4-Chlorotoluene
Concen: 53.673 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.5	43.6





#83
 tert-Butylbenzene
 Concen: 52.797 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

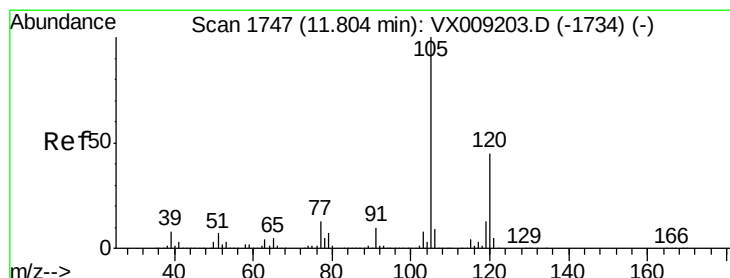
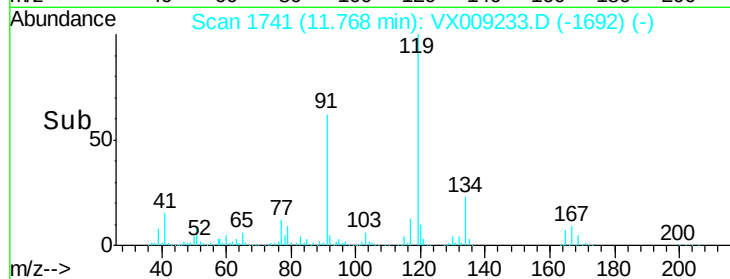
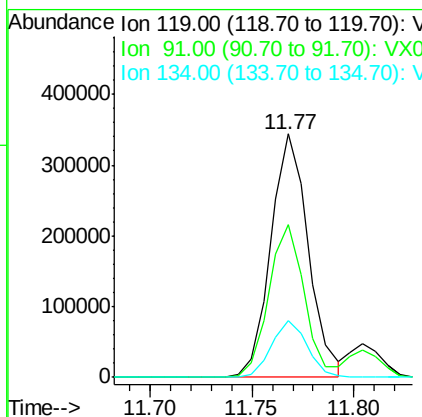
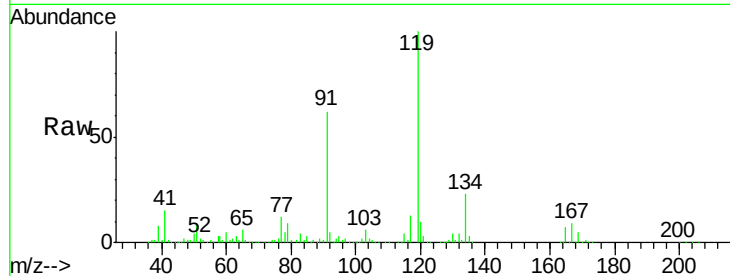
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	441220		
91	59.9	29.5	88.5	
134	22.4	11.4	34.1	

Manual Integrations
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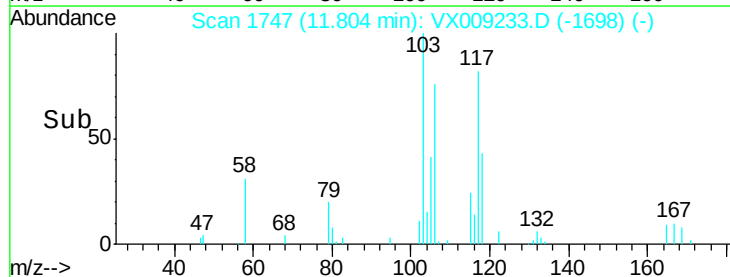
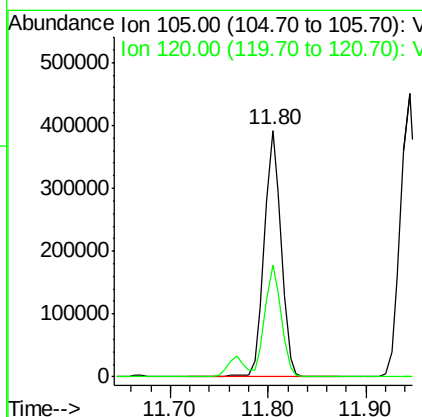
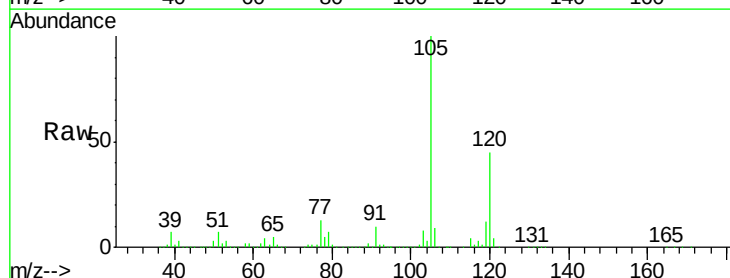
MMDadoda

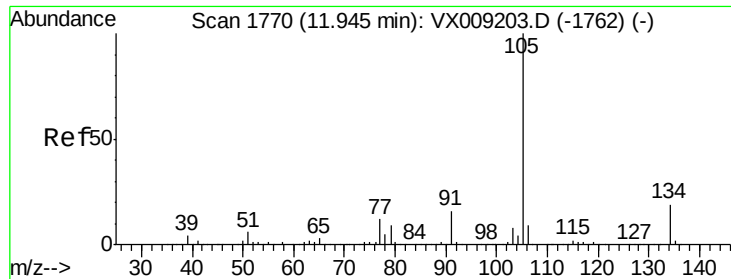
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.370 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	468826		
120	44.8	22.0	66.0	





#85

sec-Butylbenzene

Concen: 54.457 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 539554

Ion Ratio Lower Upper

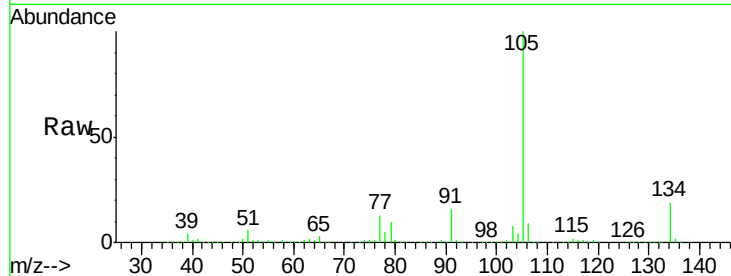
105 100

134 19.3 9.7 28.9

Manual Integrations
APPROVED

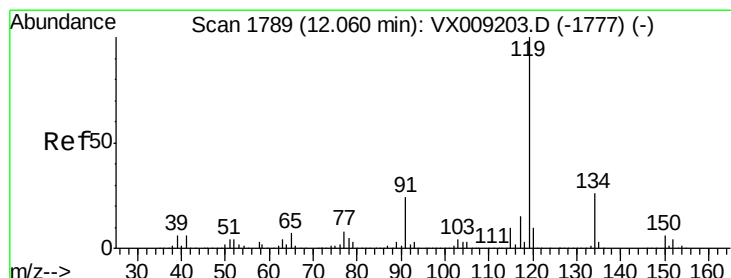
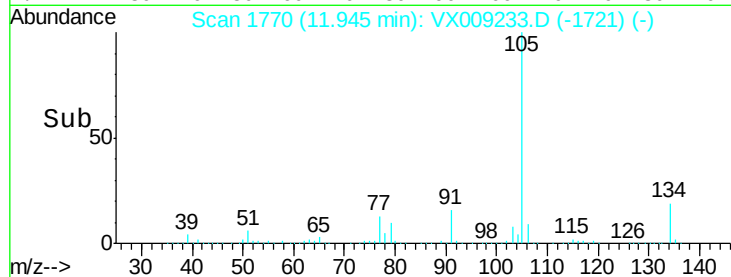
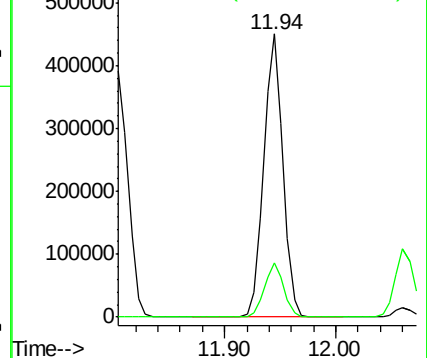
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.528 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

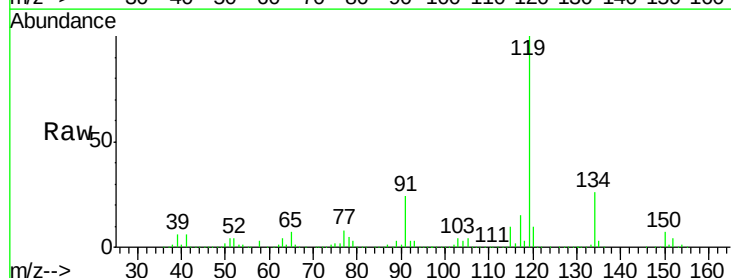
Tgt Ion:119 Resp: 494588

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

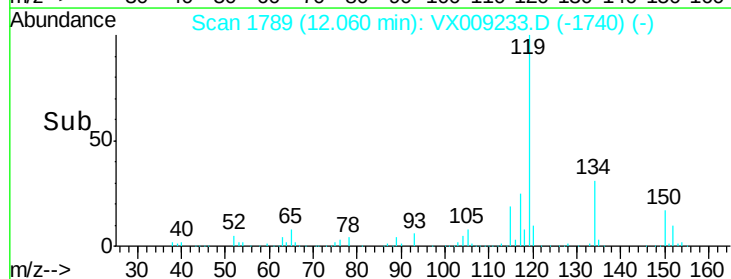
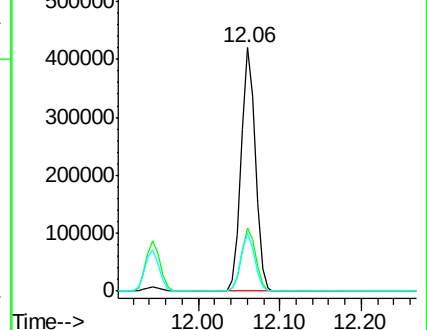
91 23.6 11.8 35.4

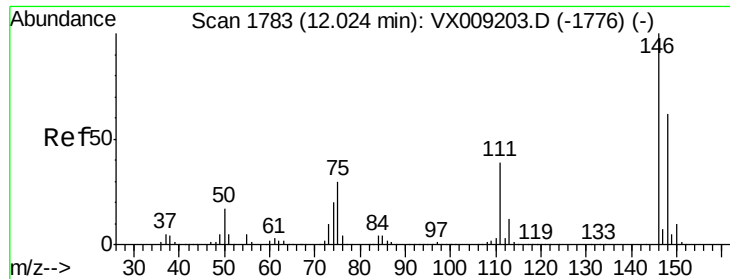


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87
 1,3-Dichlorobenzene
 Concen: 53.945 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

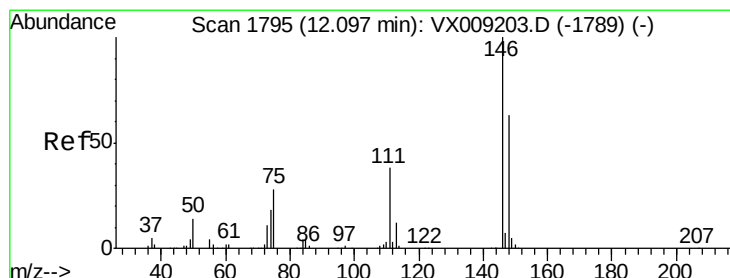
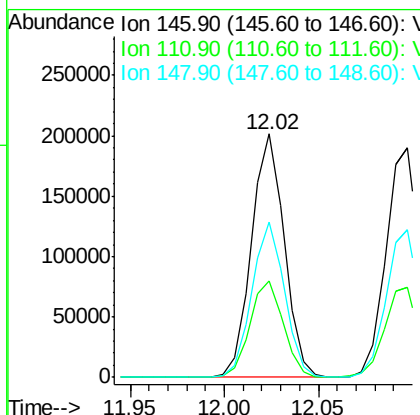
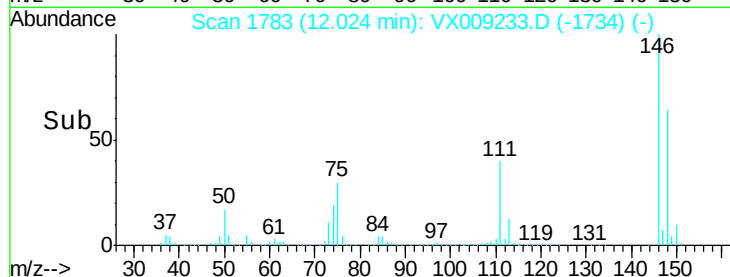
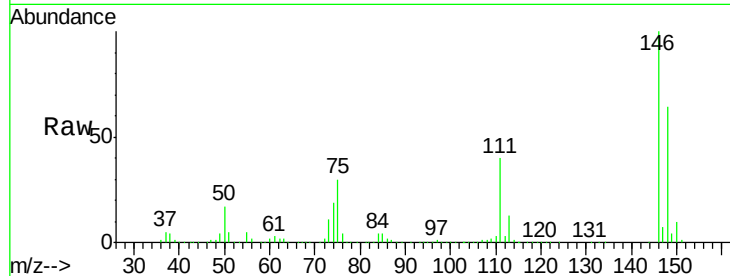
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.4	31.8	95.3

Manual Integrations
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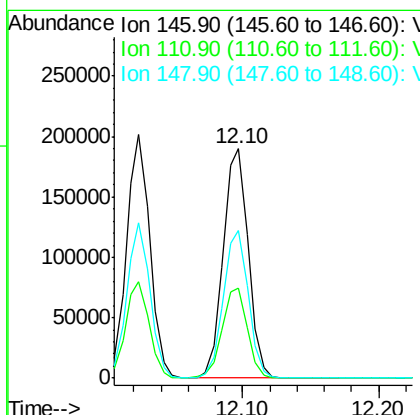
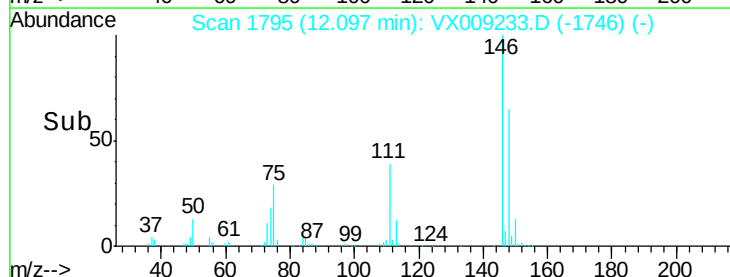
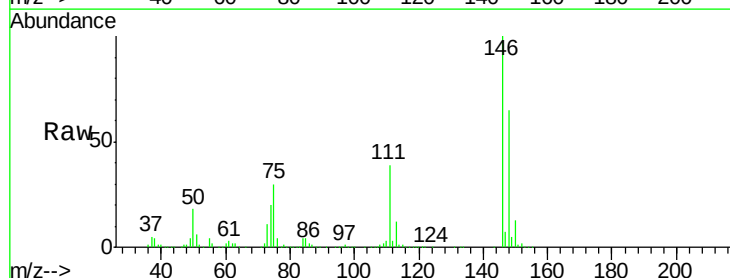
MMDadoda

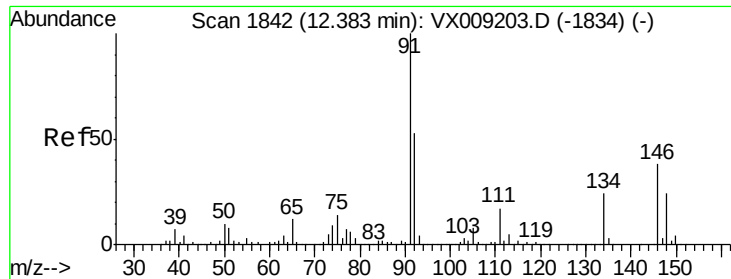
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#88
 1,4-Dichlorobenzene
 Concen: 53.087 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.8
148	64.3	31.8	95.3





#89
n-Butylbenzene
Concen: 57.118 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

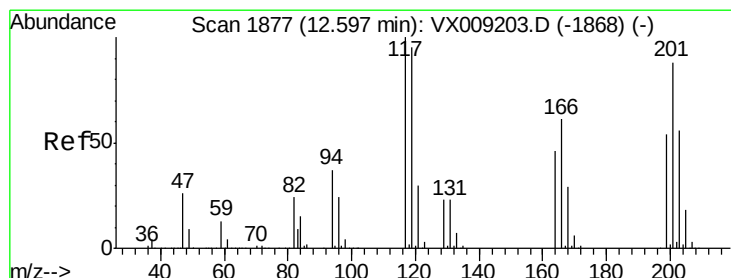
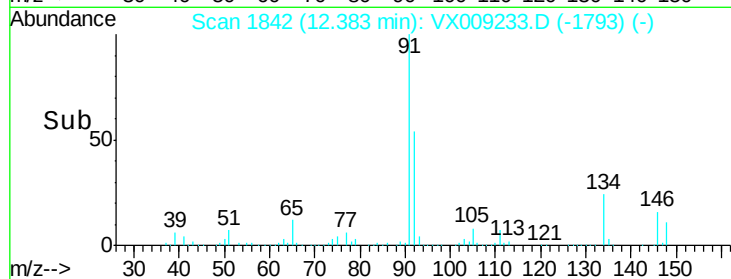
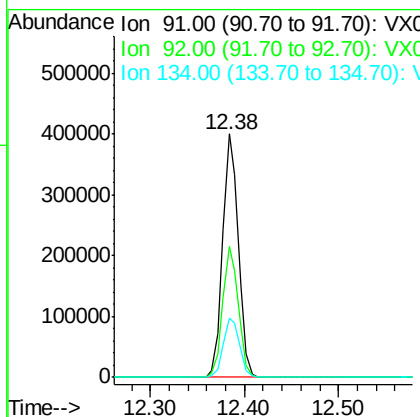
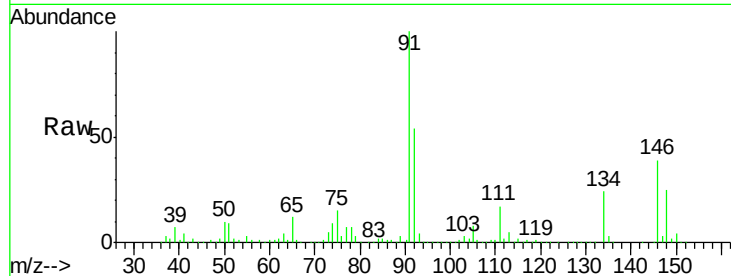
Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.5	79.5
134	25.0	12.4	37.2

Manual Integrations
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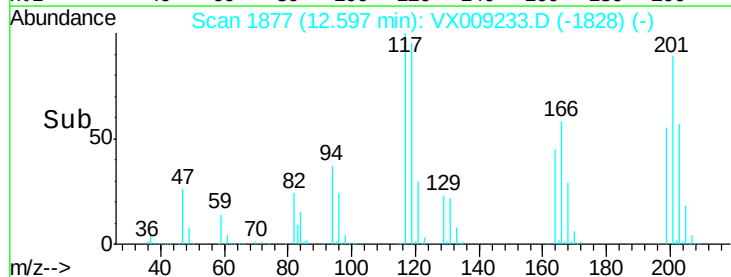
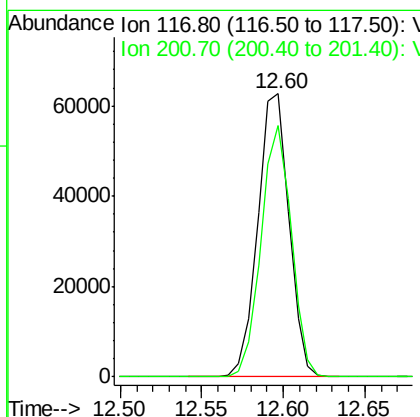
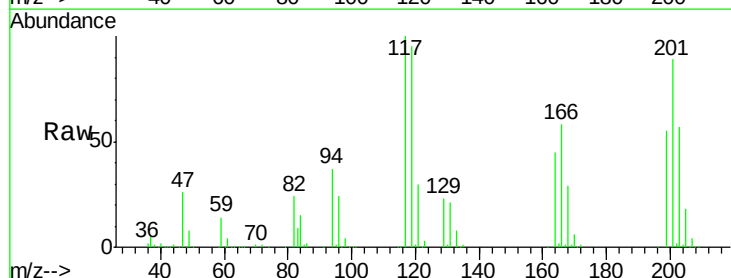
MMDadoda

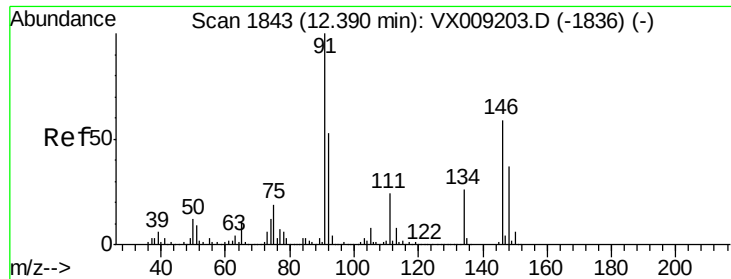
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#90
Hexachloroethane
Concen: 55.125 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009233.D
Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.3	126.9





#91
 1,2-Dichlorobenzene
 Concen: 51.902 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

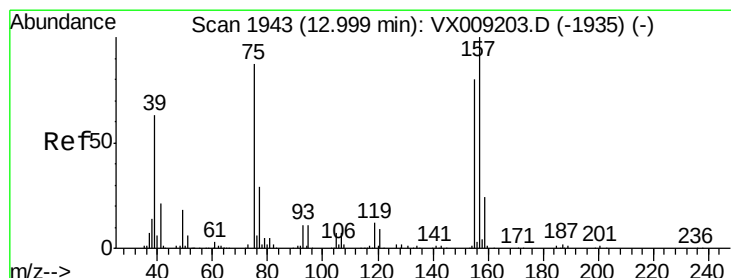
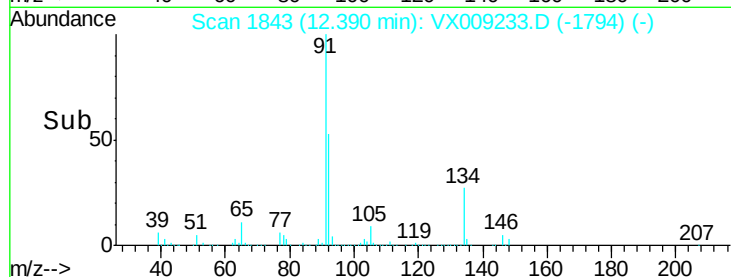
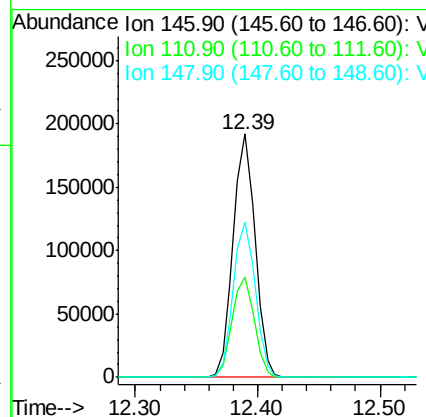
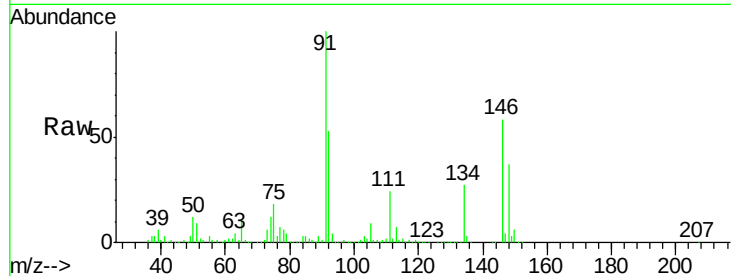
Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	238650		
111	41.7	20.8	62.4	
148	64.1	31.9	95.9	

Manual Integrations
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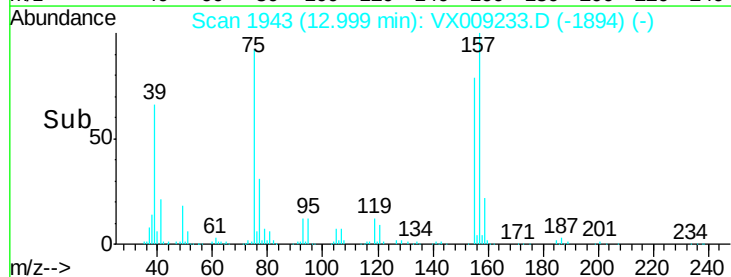
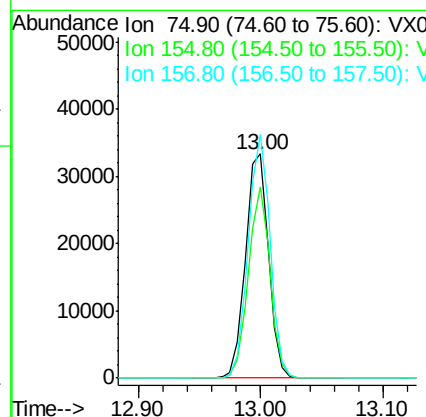
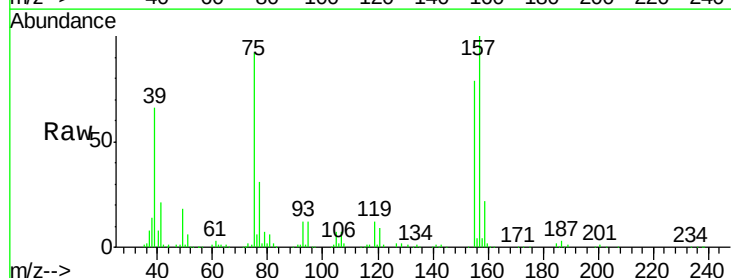
MMDadoda

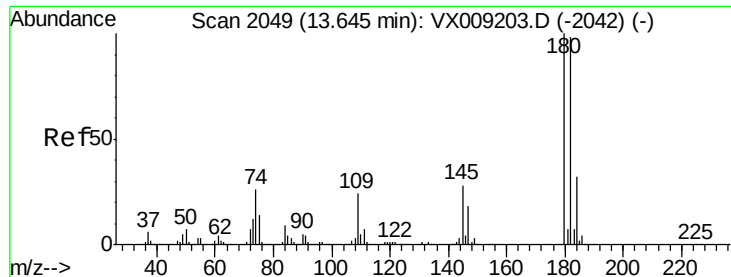
5/1/2019 10:04:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.741 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43293		
155	80.5	42.0	126.0	
157	103.8	53.2	159.6	





#93
 1,2,4-Trichlorobenzene
 Concen: 55.281 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

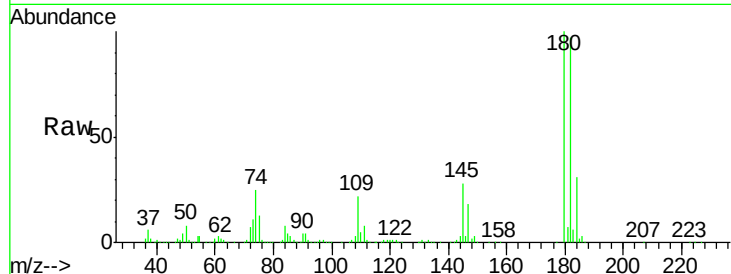
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.4	145.2
145	29.1	14.6	43.8

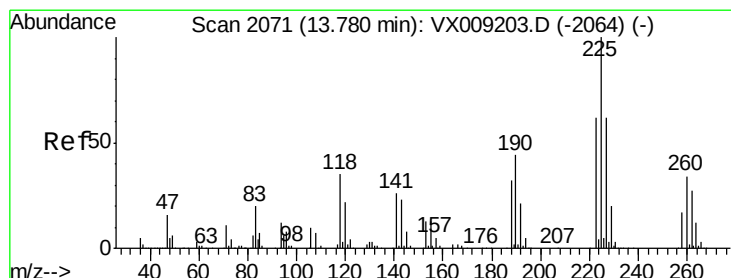
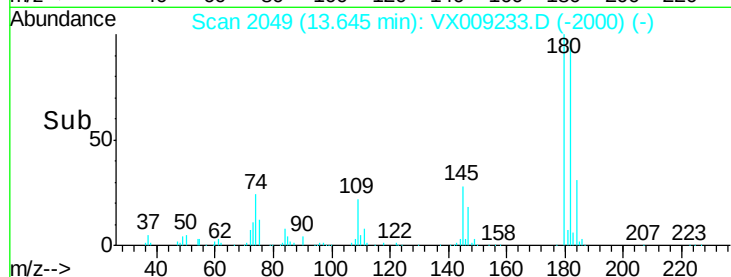
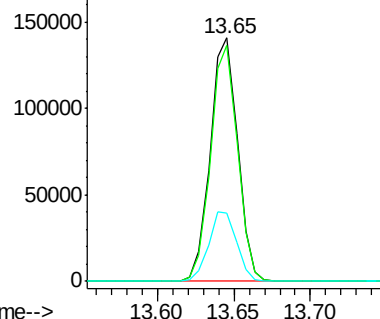
Manual Integrations
 APPROVED

MMDadoda

5/1/2019 10:04:58 AM

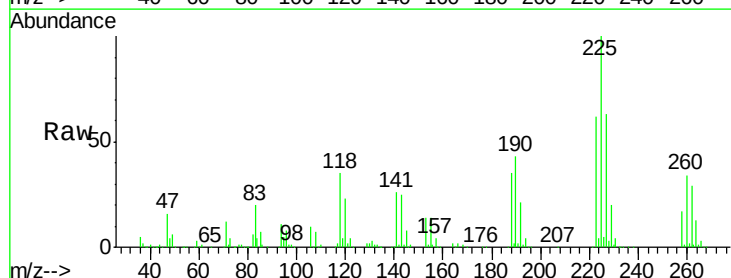


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

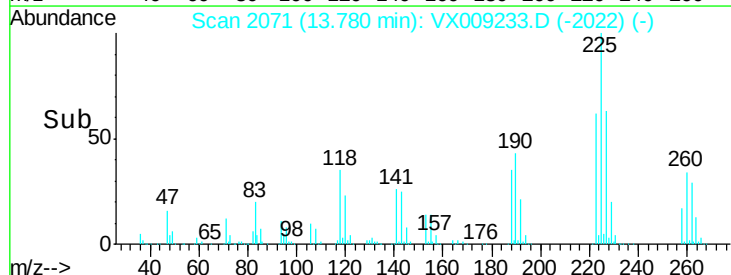
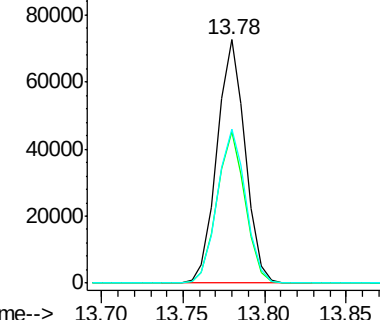


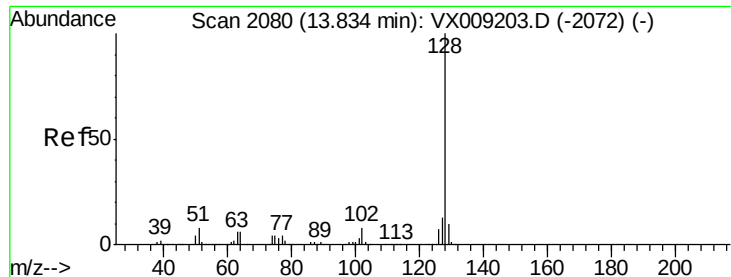
#94
 Hexachlorobutadiene
 Concen: 54.432 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009233.D
 Acq: 30 Apr 2019 09:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.3	93.8
227	63.9	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.590 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Instrument :

MSVOA_X

ClientSampleId :

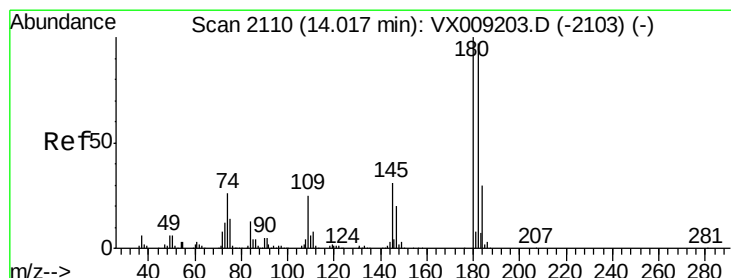
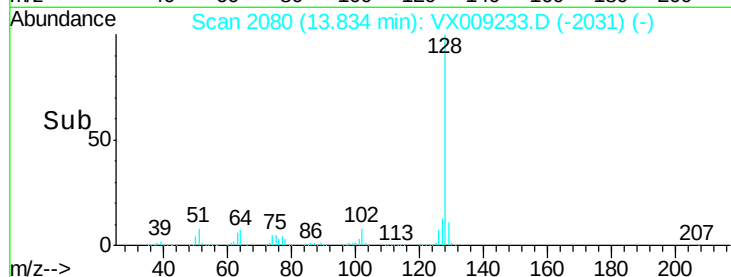
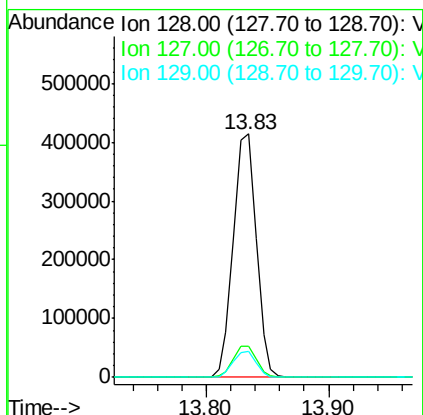
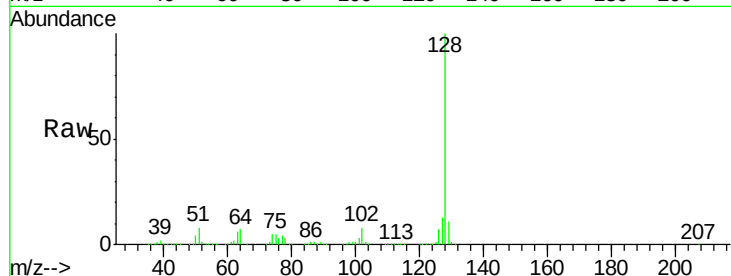
VSTDCCC050

Tot Ion:	128	Resp:	537990
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda

5/1/2019 10:04:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.695 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009233.D

Acq: 30 Apr 2019 09:53

Tgt Ion:	180	Resp:	171141
Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.4
145	30.7	15.4	46.4

