

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012519\
 Data File : VX007217.D
 Acq On : 25 Jan 2019 09:24
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:05:03 PM

Quant Time: Jan 28 05:46:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 25 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	84817	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	451398	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	408559	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	166249	25.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	85.97%
60) 4-Bromofluorobenzene	11.13	95	193180	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	8.71	98	560677	30.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	68498	10.373	ug/l 99
3) Chloromethane	1.33	50	80870	11.803	ug/l 99
4) Vinyl Chloride	1.41	62	91548	13.070	ug/l 99
5) Bromomethane	1.64	94	95325	28.362	ug/l 95
6) Chloroethane	1.72	64	59806	14.872	ug/l 96
7) Trichlorofluoromethane	1.93	101	152622	17.106	ug/l 98
8) Diethyl Ether	2.19	74	58335	16.038	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	2.39	101	88881	17.346	ug/l 96
10) 1,1-Dichloroethene	2.38	96	82543	17.007	ug/l 88
11) Methyl Iodide	2.51	142	132348	33.493	ug/l 95
12) Methyl Acetate	2.78	43	141575	14.466	ug/l 92
13) Acrolein	2.30	56	47268	52.275	ug/l 99
14) Acrylonitrile	3.15	53	271368	67.853	ug/l 100
15) Acetone	2.45	58	78798	58.942	ug/l 96
16) Carbon Disulfide	2.57	76	186751	13.119	ug/l 98
17) Allyl chloride	2.73	41	143453	13.292	ug/l 86
18) Methylene Chloride	2.86	84	97324	17.243	ug/l 91
19) trans-1,2-Dichloroethene	3.17	96	88138	16.998	ug/l 90
20) Diisopropyl ether	3.87	45	273140	14.844	ug/l # 94
21) 1,1-Dichloroethane	3.70	63	157048	15.490	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	99017	17.263	ug/l 89
23) tert-Butyl Alcohol	3.07	59	115120	62.363	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	290804	16.305	ug/l 100
25) Chloroform	5.21	83	161314	16.906	ug/l 98
26) Cyclohexane	5.58	56	127599	14.665	ug/l # 88
29) 1,1-Dichloropropene	5.80	75	114289	17.110	ug/l 96
30) 2-Butanone	4.70	43	356826	65.705	ug/l # 93
31) 2,2-Dichloropropane	4.59	77	112370	15.333	ug/l 96
32) 1,1,1-Trichloroethane	5.49	97	133015	17.323	ug/l 97
33) Carbon Tetrachloride	5.78	117	112917	16.744	ug/l 97
34) Benzene	6.14	78	355166	17.522	ug/l 97
35) Methacrylonitrile	5.06	41	70064	13.883	ug/l 96
36) 1,2-Dichloroethane	6.20	62	122035	16.712	ug/l 98
37) Trichloroethene	7.21	130	104093	19.496	ug/l 94
38) Methylcyclohexane	7.46	83	137846	17.382	ug/l 91
39) 1,2-Dichloropropane	7.52	63	87690	16.236	ug/l 96
40) Dibromomethane	7.66	93	62854	17.956	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	106957	15.849	ug/l #	96
42) Vinyl Acetate	3.82	43	1139803	72.544	ug/l #	95
43) Ethyl Acetate	4.85	43	127631	14.247	ug/l	98
44) Isopropyl Acetate	6.46	43	192792	14.421	ug/l	97
45) 1,4-Dioxane	7.75	88	49372	313.464	ug/l	89
46) Methyl methacrylate	7.77	41	101657	14.656	ug/l	93
47) n-amyl Acetate	10.90	43	172831	14.012	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	113609	14.716	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	130528	15.598	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	95285	17.979	ug/l	96
51) Ethyl methacrylate	9.18	69	134367	15.975	ug/l	96
52) 1,3-Dichloropropane	9.37	76	152531	17.060	ug/l	98
53) Dibromochloromethane	9.58	129	92137	16.757	ug/l	99
54) 1,2-Dibromoethane	9.67	107	104387	18.900	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	381007	85.849	ug/l	98
56) Bromoform	10.85	173	67518	14.704	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	684579	74.627	ug/l	97
59) 2-Hexanone	9.49	43	540628	71.532	ug/l	100
61) Tetrachloroethene	9.34	164	117741	23.681	ug/l	97
62) Toluene	8.79	91	401405	18.695	ug/l	100
64) Chlorobenzene	10.14	112	263620	19.011	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	91019	18.057	ug/l	97
66) Ethyl Benzene	10.25	91	433055	18.474	ug/l	99
67) m/p-Xylenes	10.36	106	342029	37.474	ug/l	94
68) o-Xylene	10.69	106	167585	19.048	ug/l	93
69) Styrene	10.71	104	267491	18.081	ug/l	97
70) Isopropylbenzene	11.02	105	445708	18.919	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.27	83	143633	16.414	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	137263m	17.218	ug/l	
73) Bromobenzene	11.26	156	122482	18.913	ug/l	94
74) n-propylbenzene	11.36	91	500311	18.049	ug/l	97
75) 2-Chlorotoluene	11.42	91	298568	17.661	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	370655	18.234	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	33717	12.864	ug/l	91
78) 4-Chlorotoluene	11.51	91	344396	17.526	ug/l	97
79) tert-butylbenzene	12.06	119	395440	18.330	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	379224	18.293	ug/l	97
81) sec-Butylbenzene	11.94	105	448510	18.692	ug/l	98
82) p-Isopropyltoluene	12.06	119	395440	18.330	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	218192	18.220	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	220089	18.110	ug/l	99
85) n-Butylbenzene	12.39	91	325473	16.611	ug/l	98
86) Hexachloroethane	12.60	117	56868	16.003	ug/l	89
87) 1,2-Dichlorobenzene	12.39	146	216635	17.796	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	27550	13.625	ug/l	83
89) 1,2,4-Trichlorobenzene	13.65	180	144012	15.859	ug/l	100
90) Hexachlorobutadiene	13.78	225	68599	15.302	ug/l	99
91) Naphthalene	13.83	128	443740	15.715	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	145911	15.670	ug/l	98

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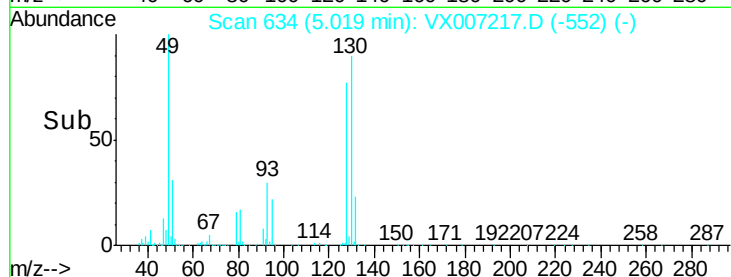
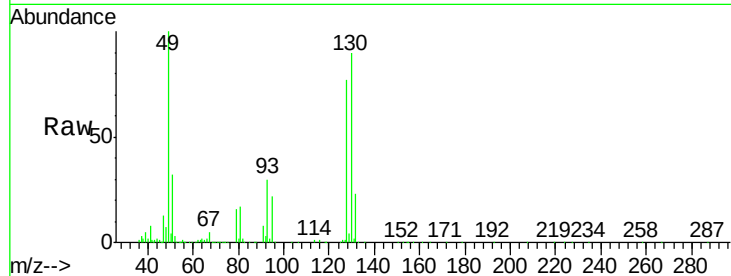
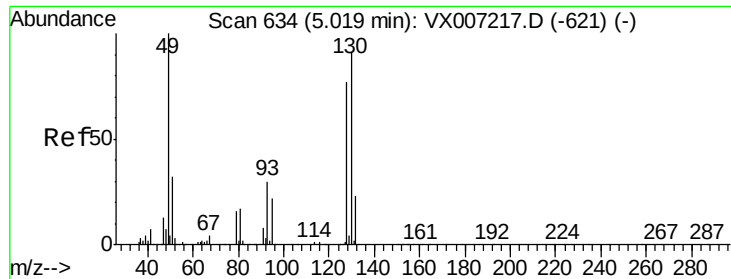
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



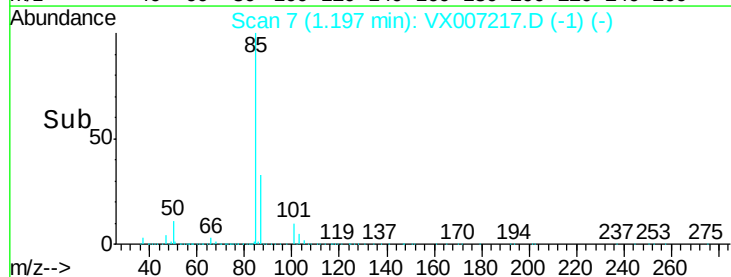
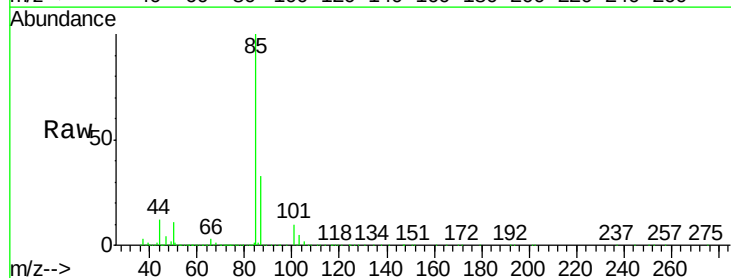
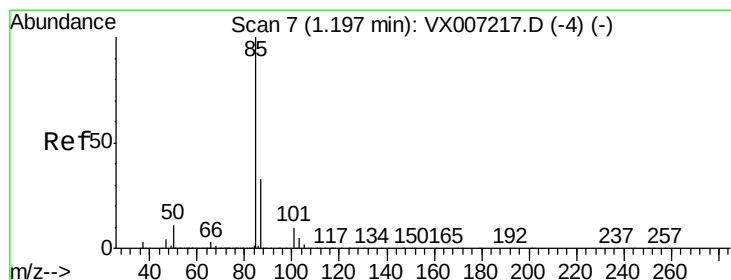
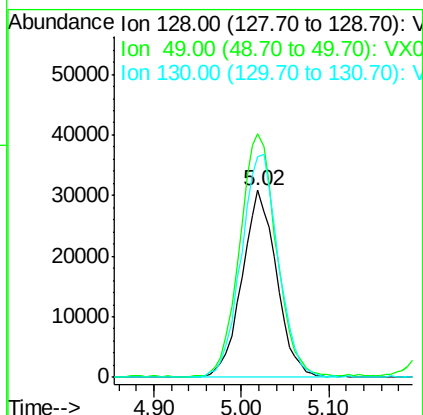
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tot Ion	Ratio	Lower	Upper
128	100		
49	138.2	0.0	429.5
130	128.0	0.0	325.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

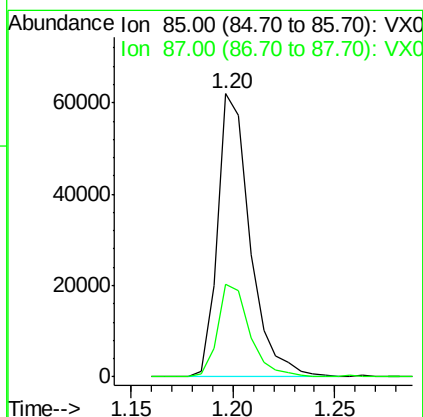
Manual Integrations
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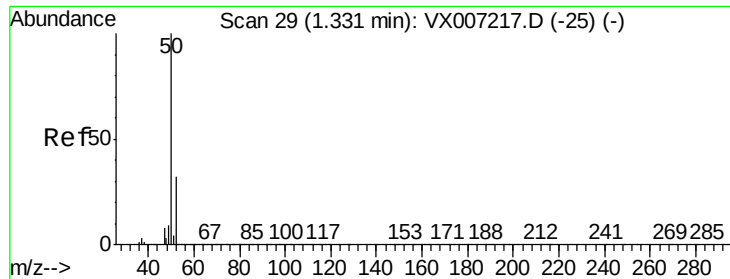
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#2
Dichlorodifluoromethane
Concen: 10.373 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.5	49.5





#3

Chloromethane

Concen: 11.803 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 80870

Ion Ratio Lower Upper

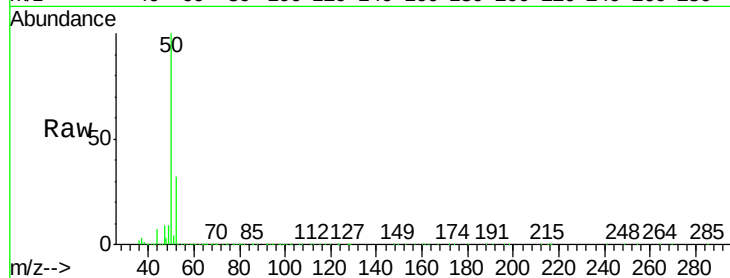
50 100

52 32.1 26.1 39.1

Manual Integrations
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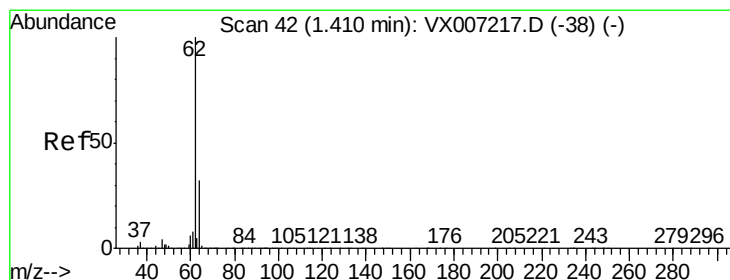
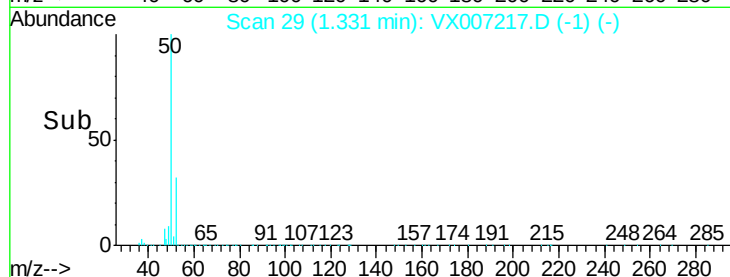
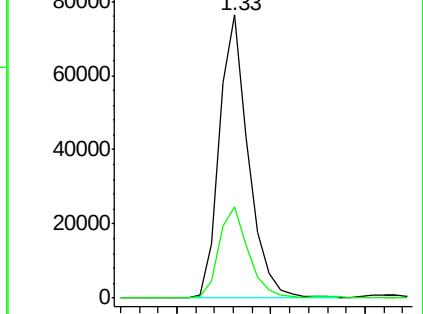
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 13.070 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX007217.D

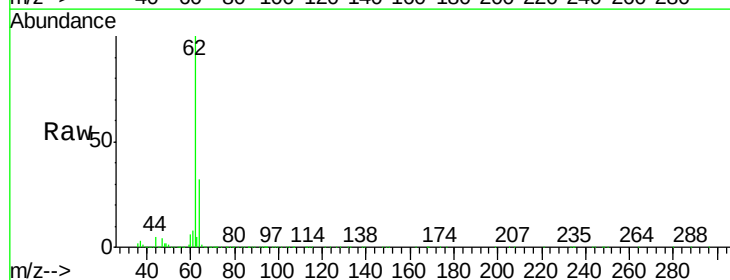
Acq: 25 Jan 2019 09:24

Tgt Ion: 62 Resp: 91548

Ion Ratio Lower Upper

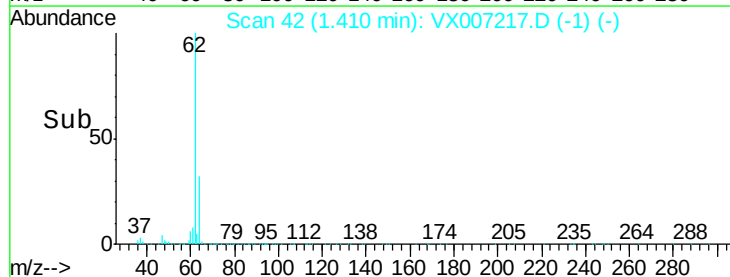
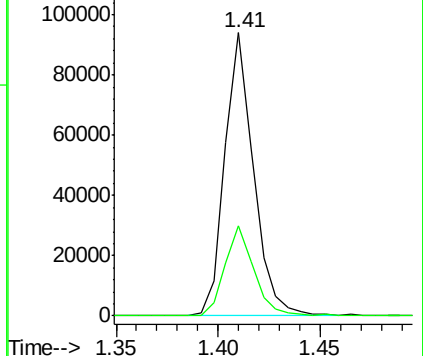
62 100

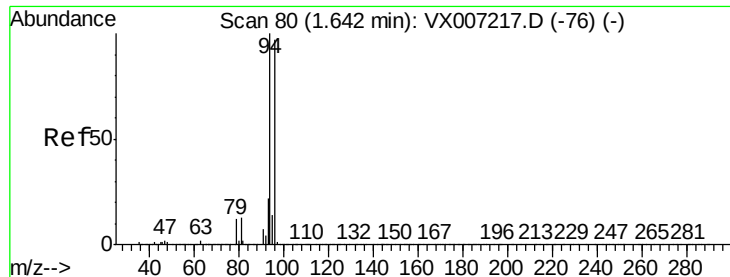
64 31.9 25.2 37.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 28.362 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC020

Tot Ion: 94 Resp: 95325

Ion Ratio Lower Upper

94 100

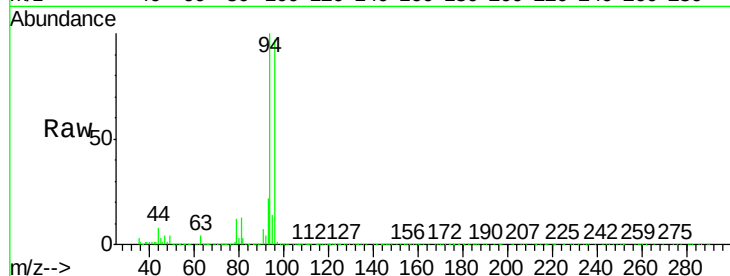
96 96.8 73.8 110.8

Manual Integrations

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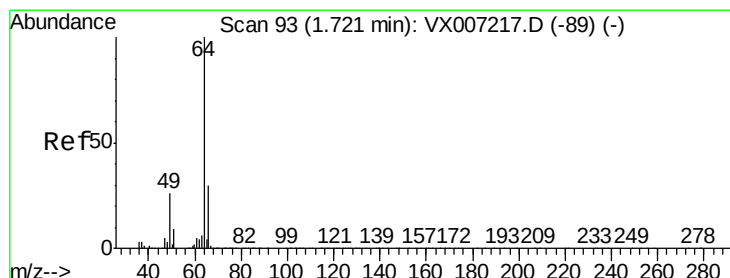
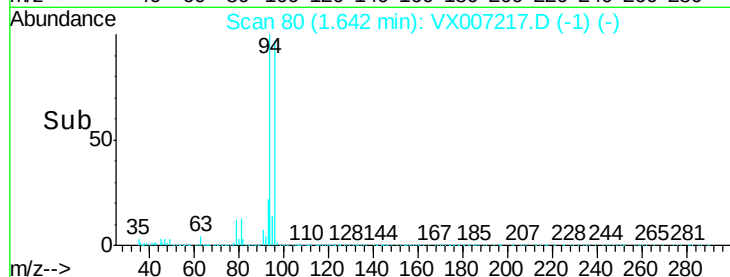
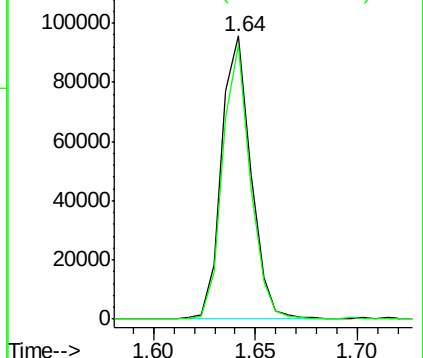
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 14.872 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX007217.D

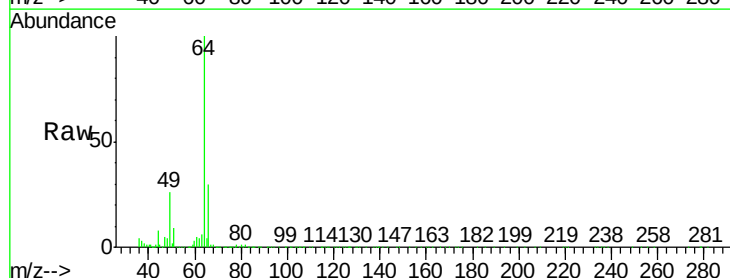
Acq: 25 Jan 2019 09:24

Tgt Ion: 64 Resp: 59806

Ion Ratio Lower Upper

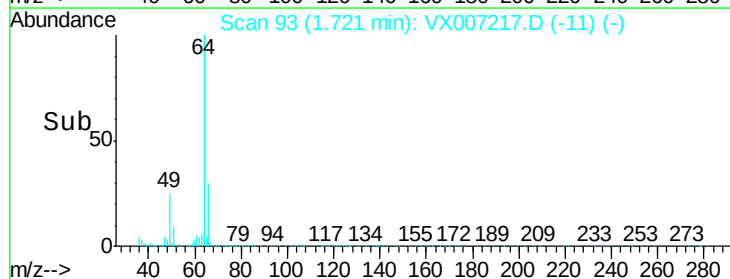
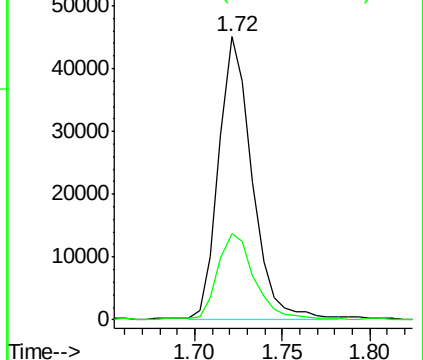
64 100

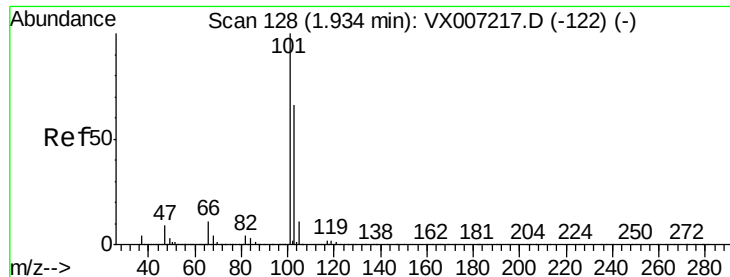
66 30.2 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

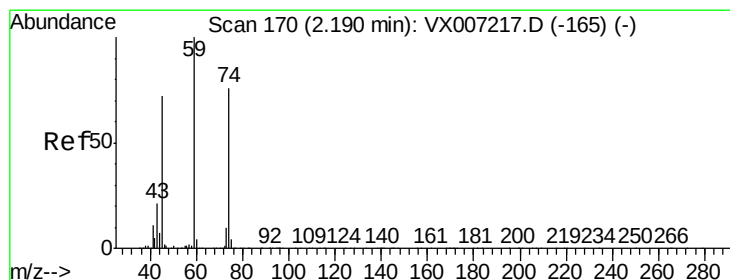
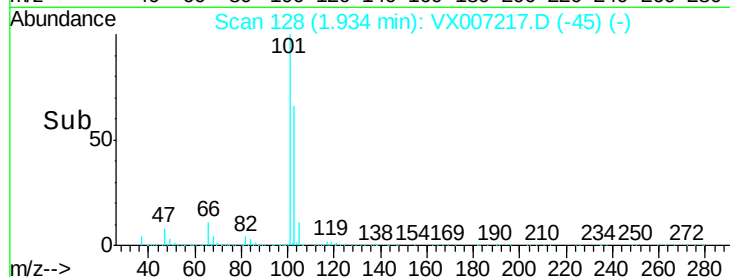
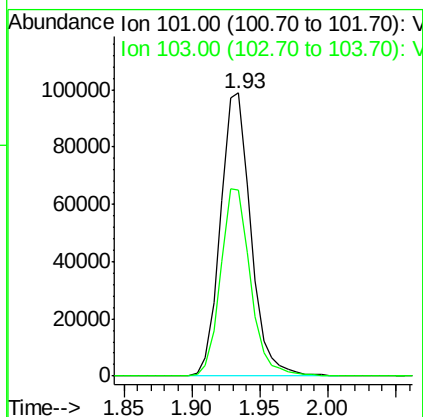
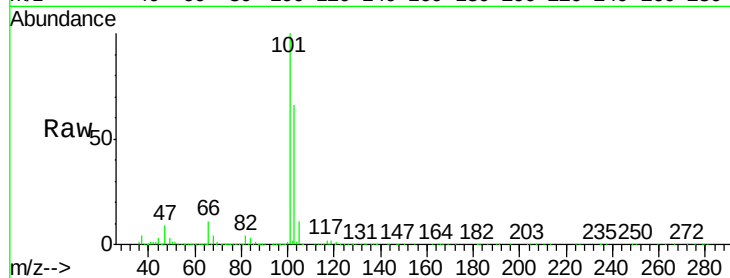
Trichlorofluoromethane
Concen: 17.106 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.1	76.7

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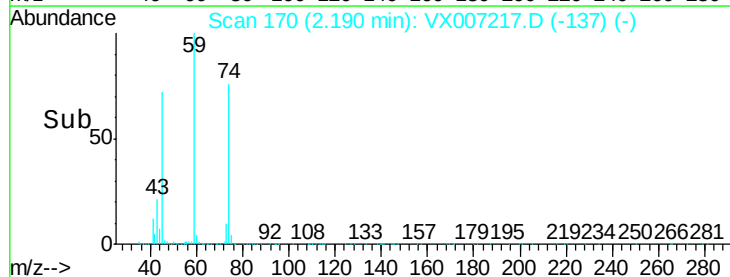
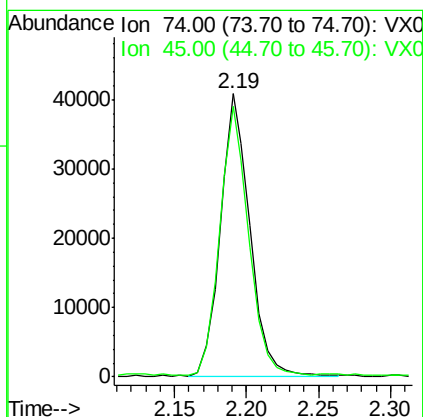
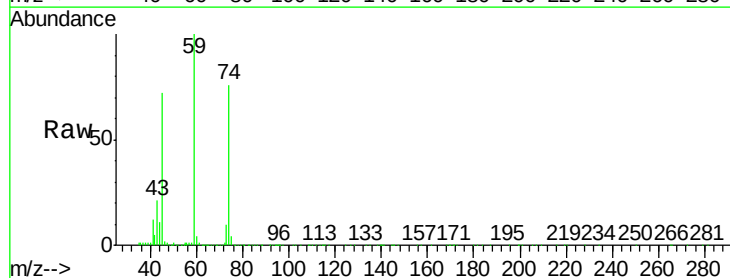
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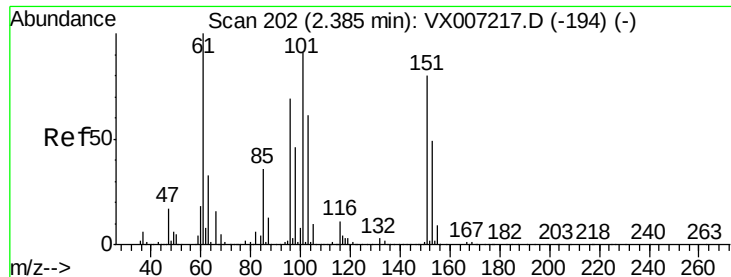


#8

Diethyl Ether
Concen: 16.038 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	21.6	194.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.346 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

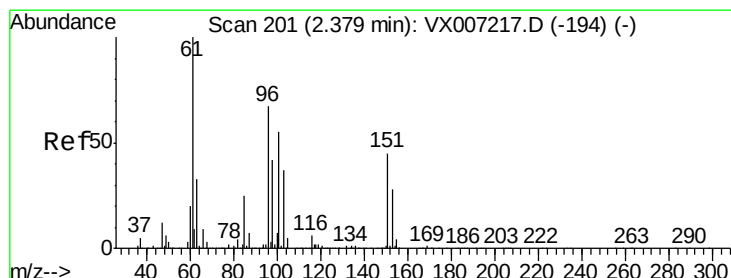
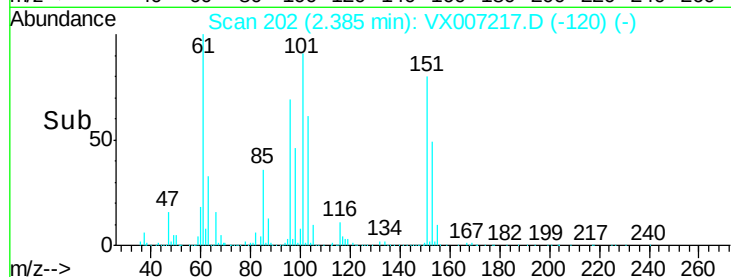
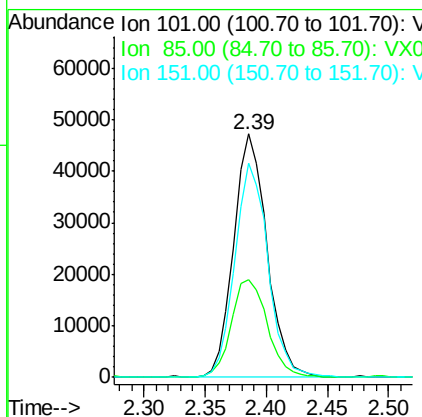
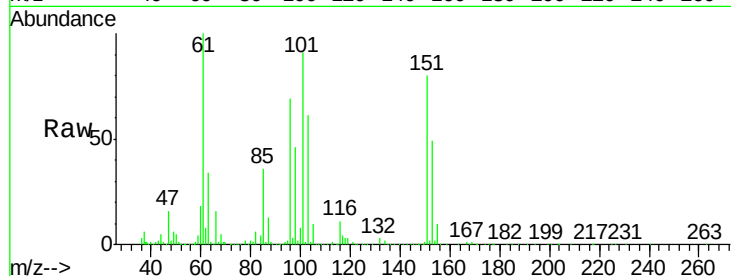
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	88881
Ion Ratio	Lower	Upper	
101	100		
85	43.7	0.0	88.0
151	88.2	0.0	164.8

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 17.007 ug/l

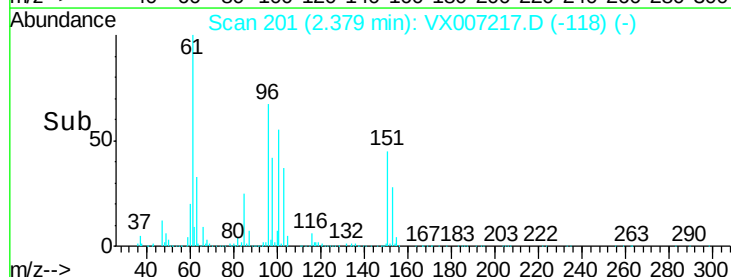
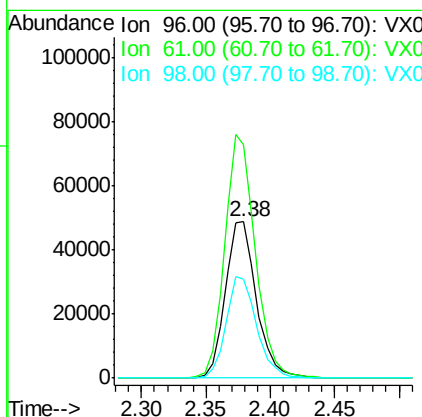
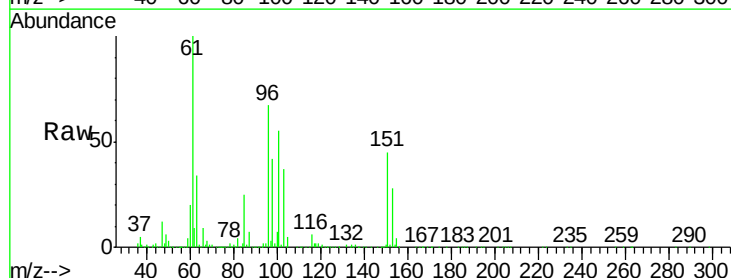
RT: 2.38 min Scan# 201

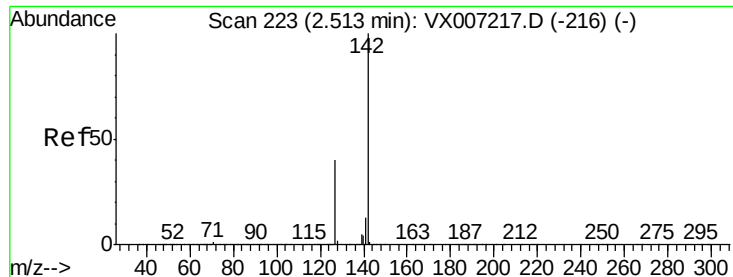
Delta R.T. 0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	96	Resp:	82543
Ion Ratio	Lower	Upper	
96	100		
61	149.5	137.9	206.9
98	63.6	51.0	76.4





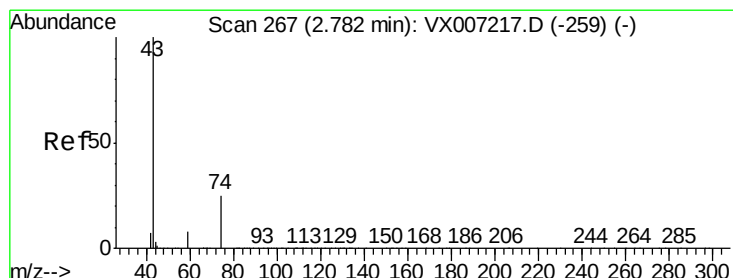
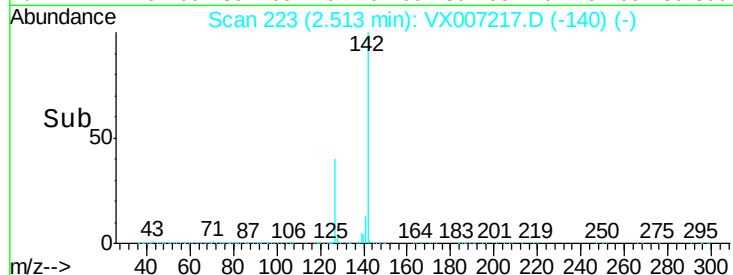
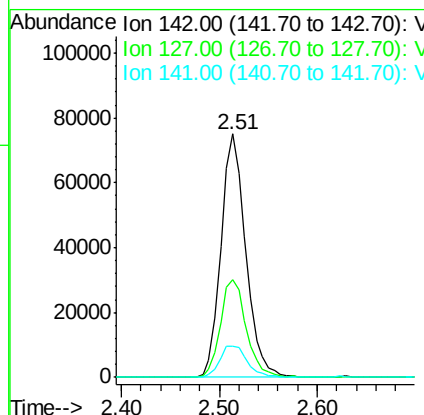
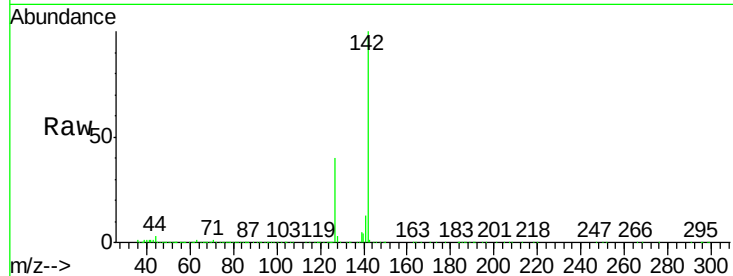
#11
Methvl Iodide
Concen: 33.493 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.9	21.6	64.8
141	12.7	7.5	22.6

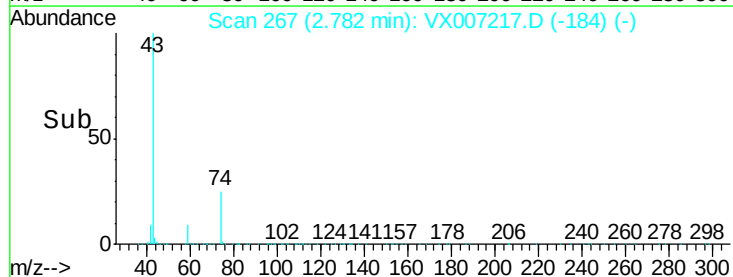
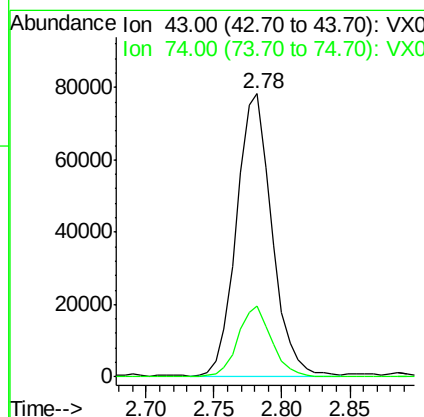
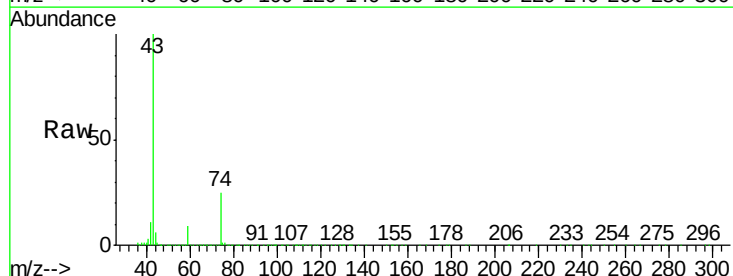
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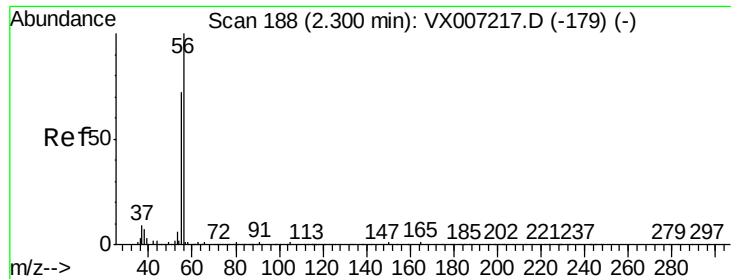
MMDadoda
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#12
Methyl Acetate
Concen: 14.466 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	17.0	25.6





#13

Acrolein

Concen: 52.275 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 47268

Ion Ratio Lower Upper

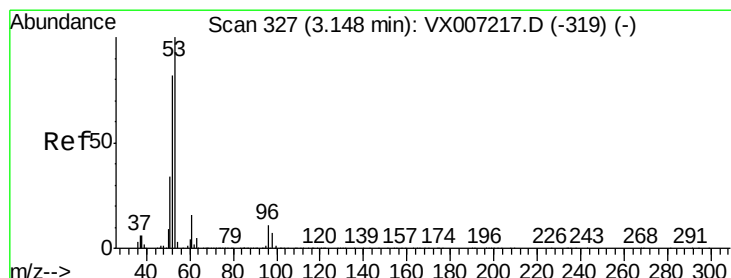
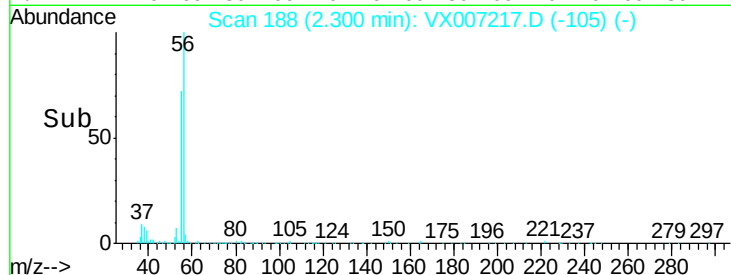
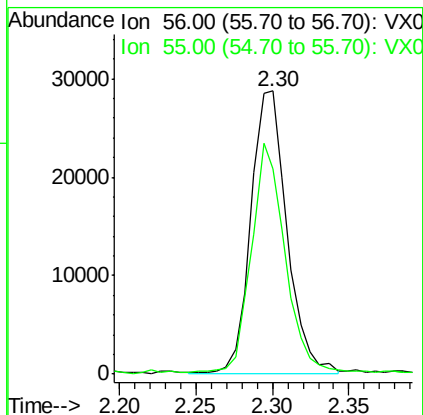
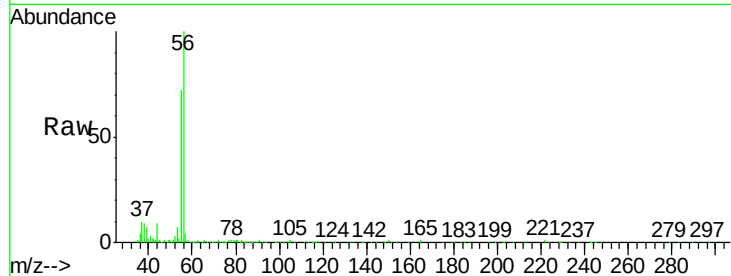
56 100

55 73.2 57.9 86.9

Manual Integrations
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#14

Acrylonitrile

Concen: 67.853 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

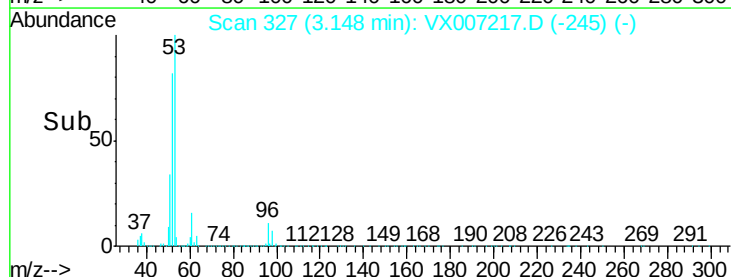
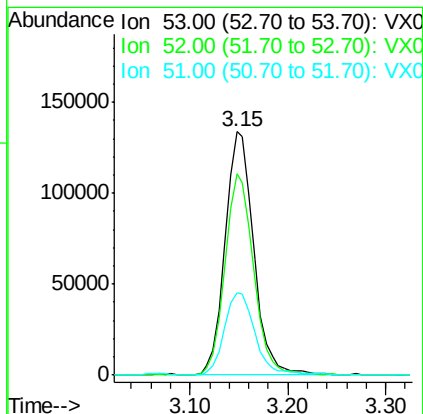
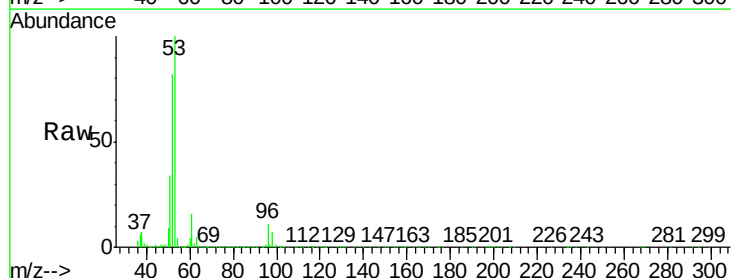
Tgt Ion: 53 Resp: 271368

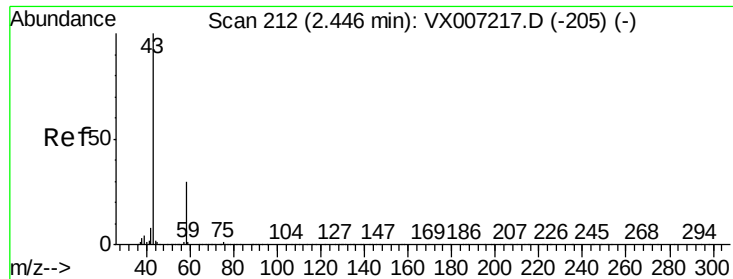
Ion Ratio Lower Upper

53 100

52 82.7 41.5 124.6

51 35.9 18.0 54.0





#15

Acetone

Concen: 58.942 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 78798

Ion Ratio Lower Upper

58 100

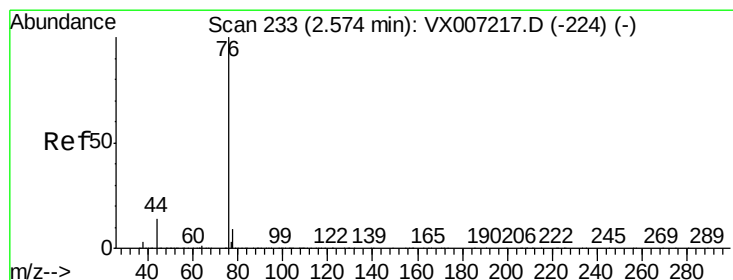
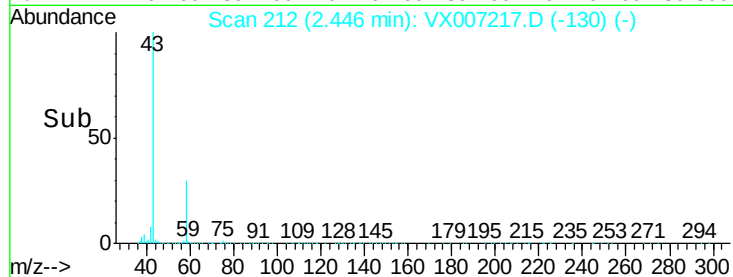
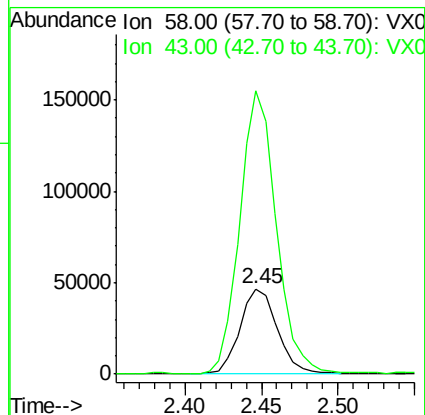
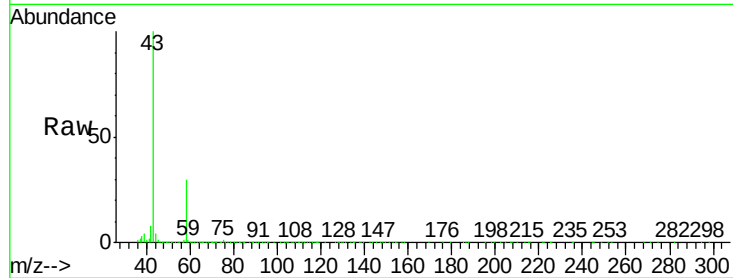
43 332.4 258.6 388.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 13.119 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX007217.D

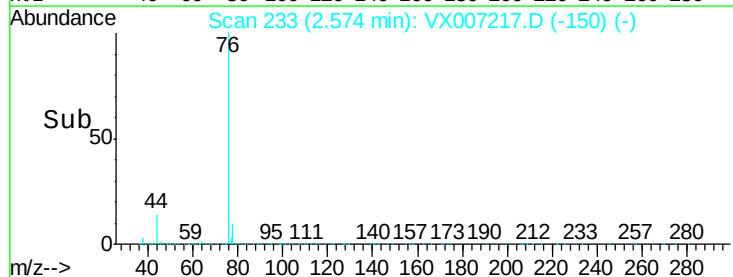
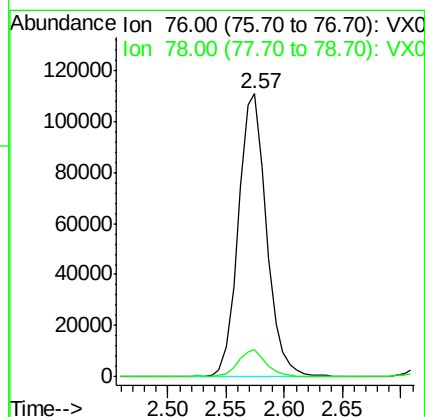
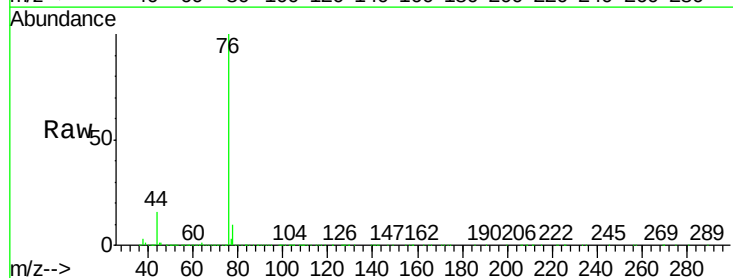
Acq: 25 Jan 2019 09:24

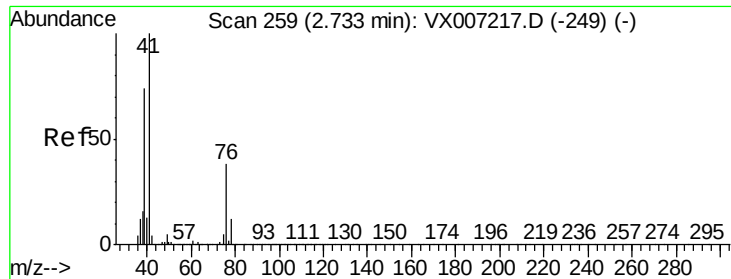
Tgt Ion: 76 Resp: 186751

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7





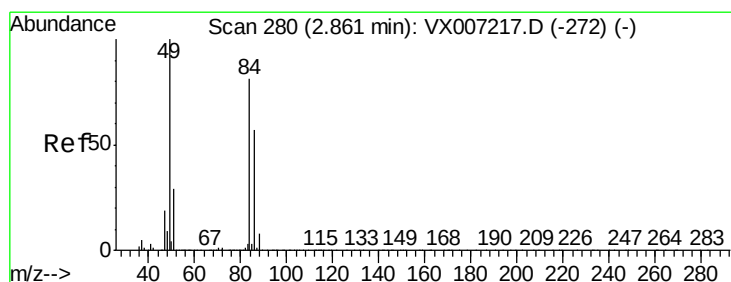
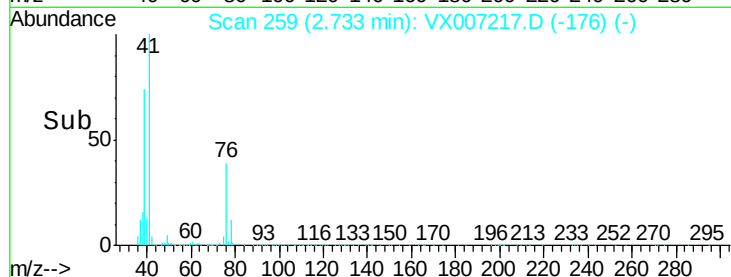
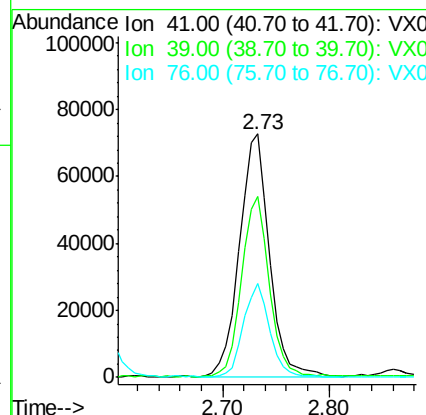
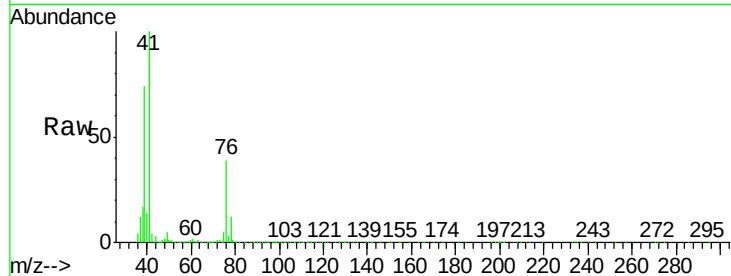
#17
Allvl chloride
Concen: 13.292 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.0	31.8	95.4
76	38.5	15.3	45.8

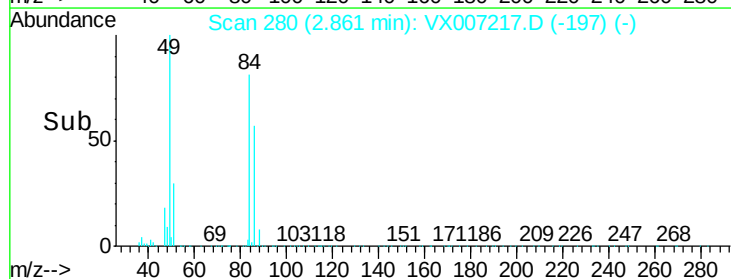
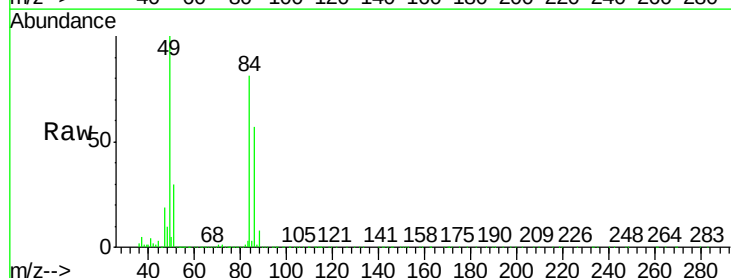
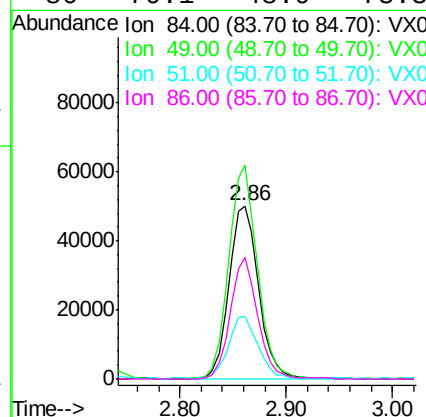
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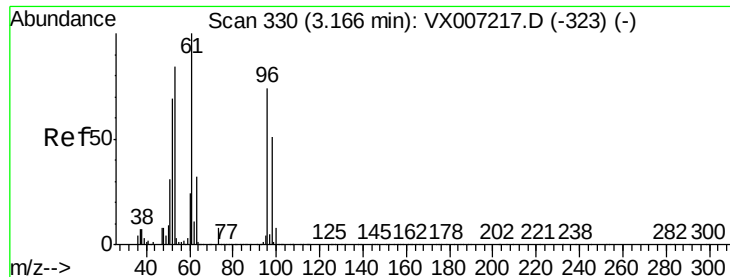
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#18
Methylene Chloride
Concen: 17.243 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.0	106.2	159.4
51	36.1	31.3	46.9
86	70.1	48.9	73.3





#19

trans-1,2-Dichloroethene

Concen: 16.998 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

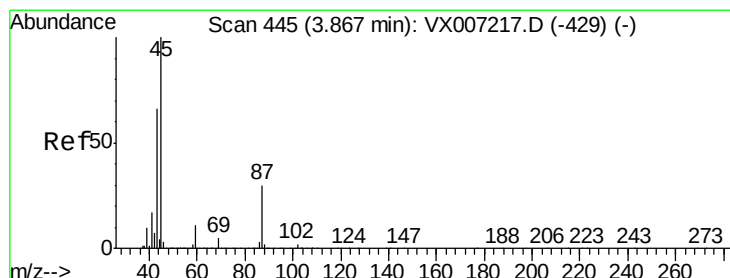
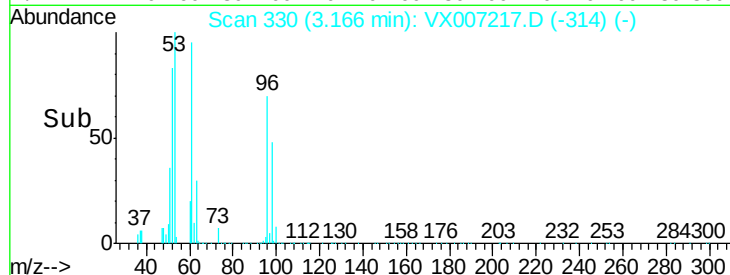
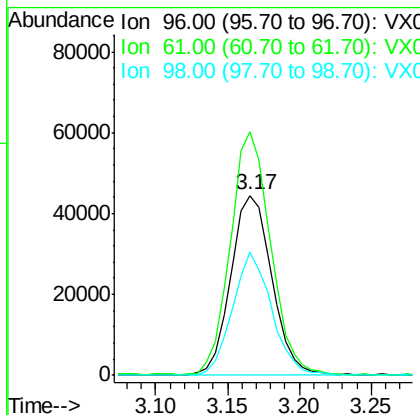
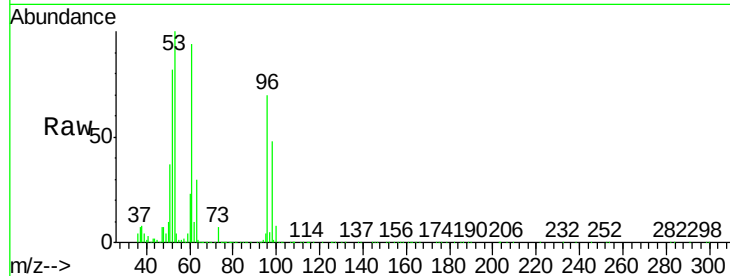
ClientSampleId :

VSTDICCC020

Tot Ion:	96	Resp:	88138
Ion	Ratio	Lower	Upper
96	100		
61	134.7	119.5	179.3
98	68.6	50.6	75.8

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#20

Diisopropyl ether

Concen: 14.844 ug/l

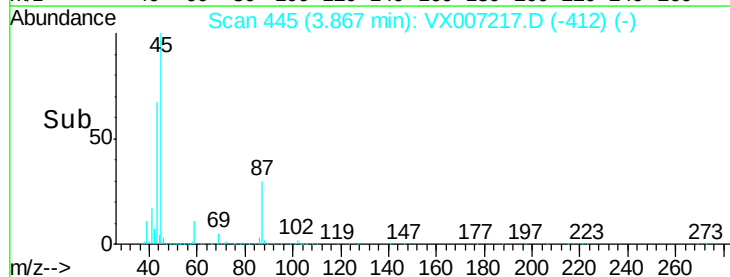
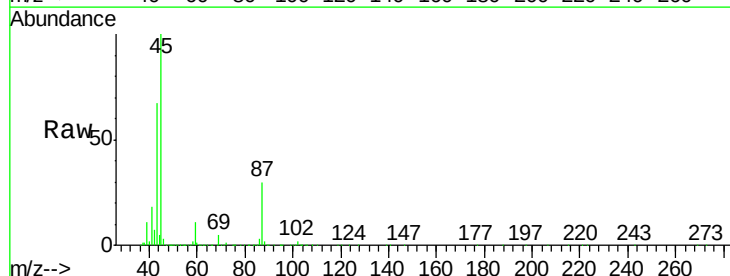
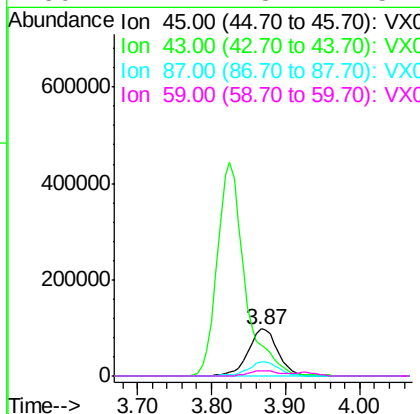
RT: 3.87 min Scan# 445

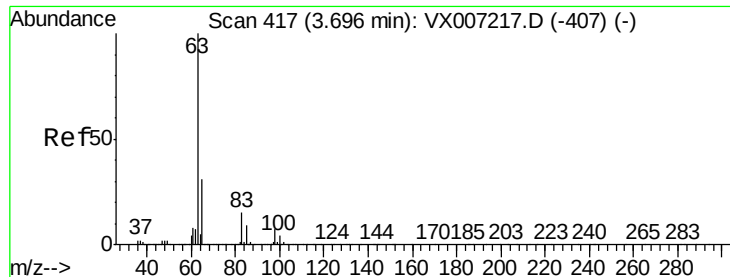
Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	45	Resp:	273140
Ion	Ratio	Lower	Upper
45	100		
43	66.4	49.8	74.8
87	29.6	19.1	28.7
59	11.2	8.7	13.1





#21

1,1-Dichloroethane

Concen: 15.490 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

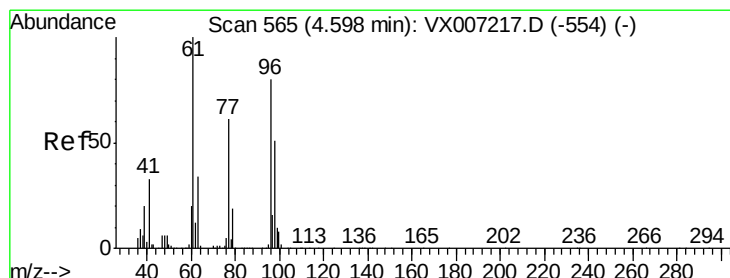
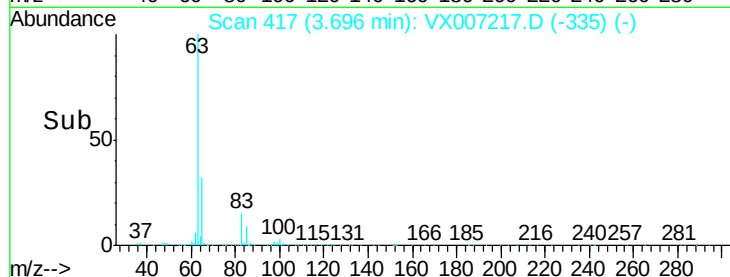
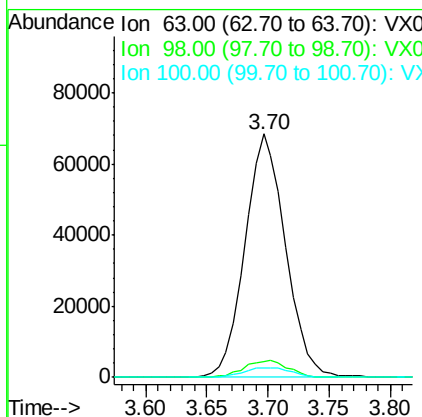
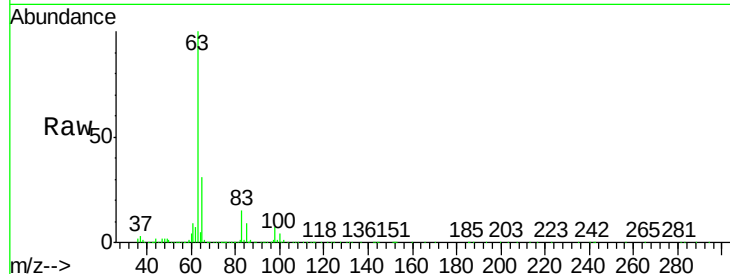
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	157048
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.2	9.6
100	4.1	2.1	6.5

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#22

cis-1,2-Dichloroethene

Concen: 17.263 ug/l

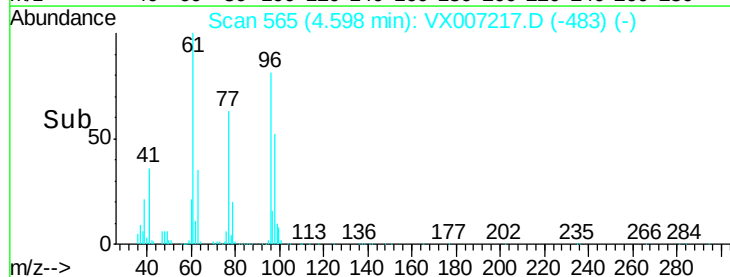
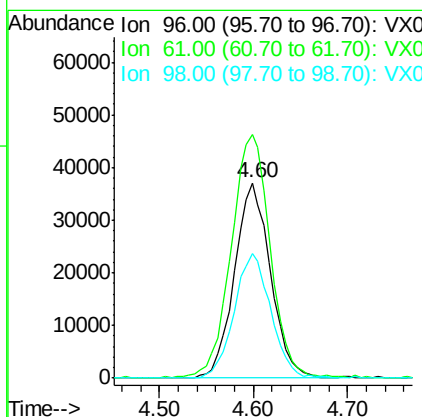
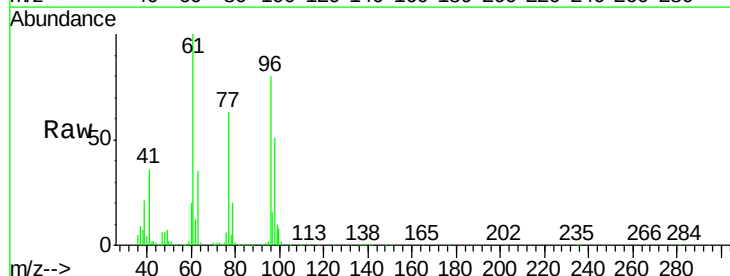
RT: 4.60 min Scan# 565

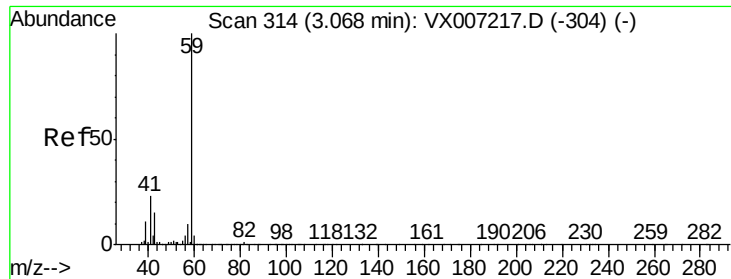
Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	96	Resp:	99017
Ion Ratio	Lower	Upper	
96	100		
61	135.1	123.3	184.9
98	64.9	51.4	77.0





#23

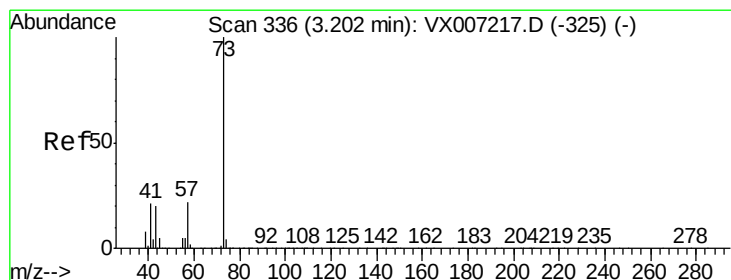
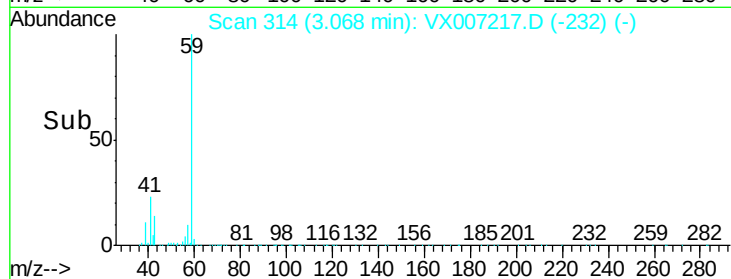
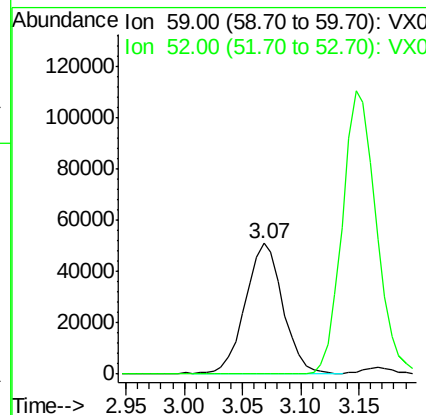
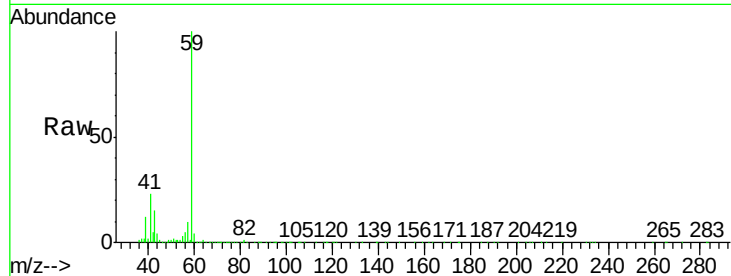
tert-Butyl Alcohol
Concen: 62.363 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.1	0.1#

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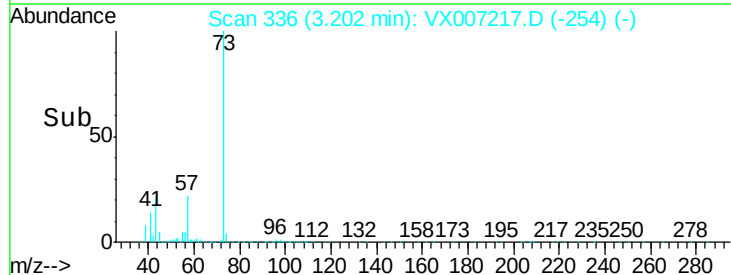
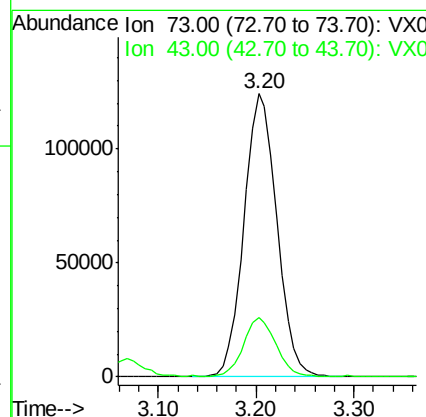
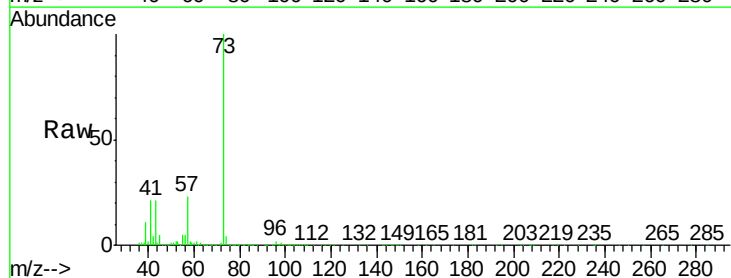
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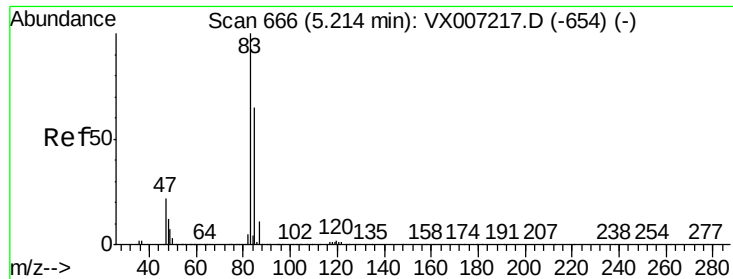


#24

Methyl tert-Butyl Ether
Concen: 16.305 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.3	24.5





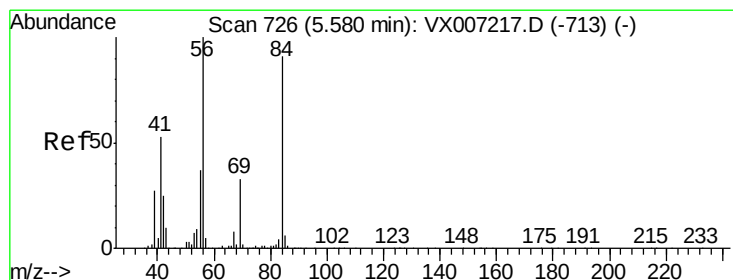
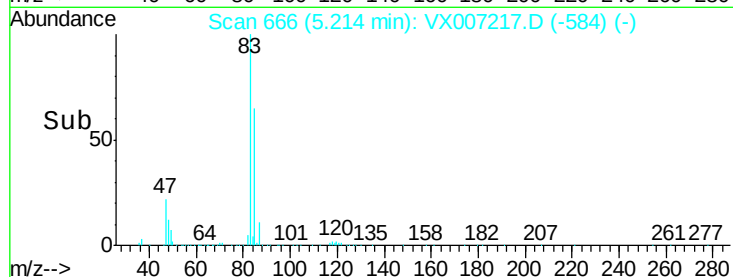
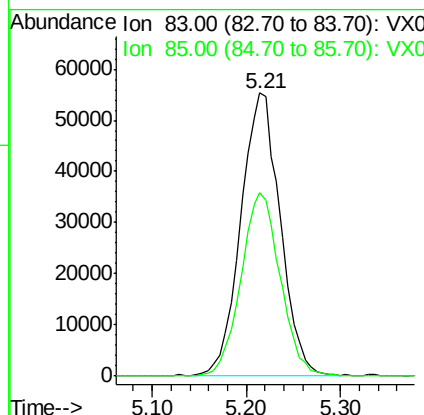
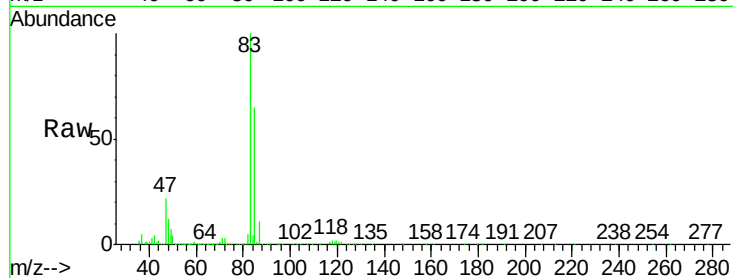
#25
Chloroform
Concen: 16.906 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.1	79.7

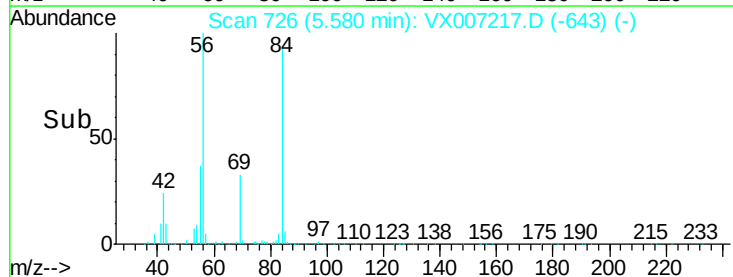
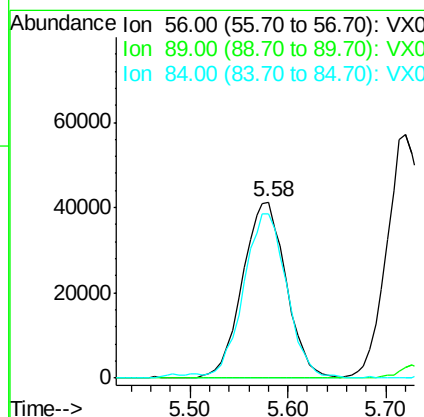
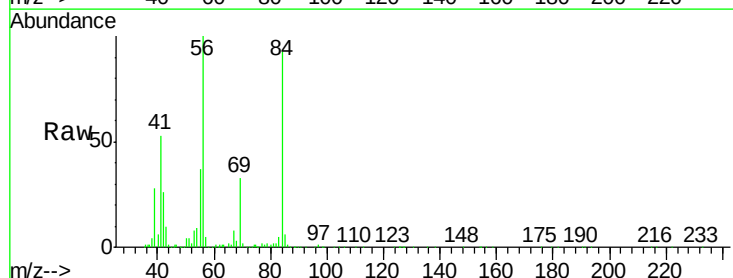
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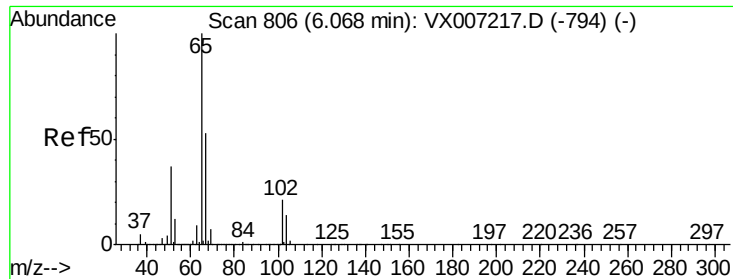
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#26
Cyclohexane
Concen: 14.665 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.1	0.0	0.0#
84	92.7	65.8	98.6





#27

1,2-Dichloroethane-d4

Concen: 25.794 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 65 Resp: 166249

Ion Ratio Lower Upper

65 100

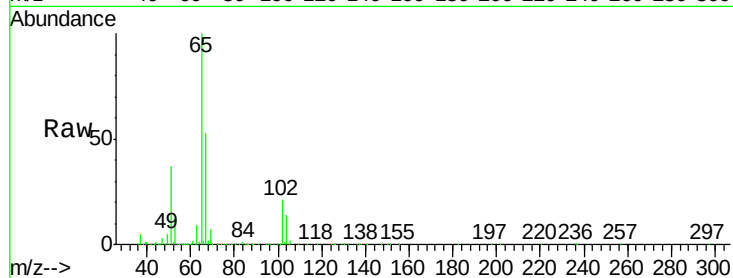
67 52.5 43.0 64.6

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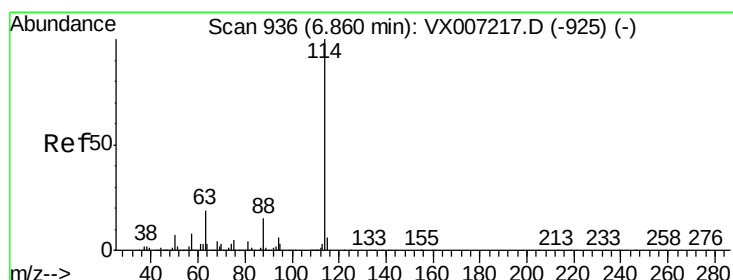
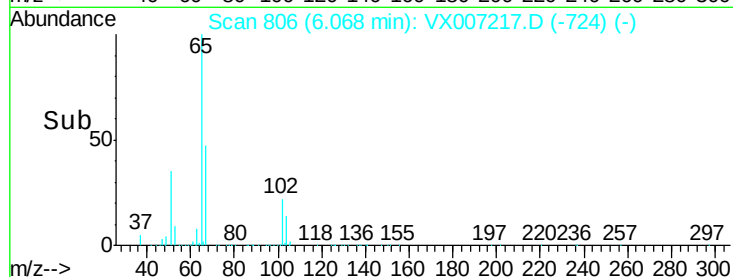
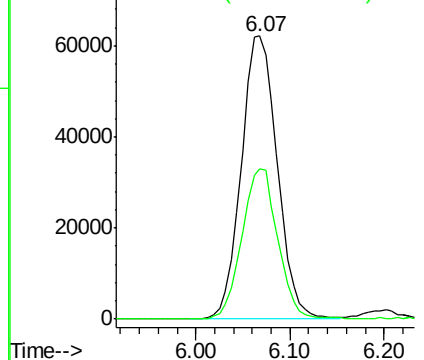
MMDadoda

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

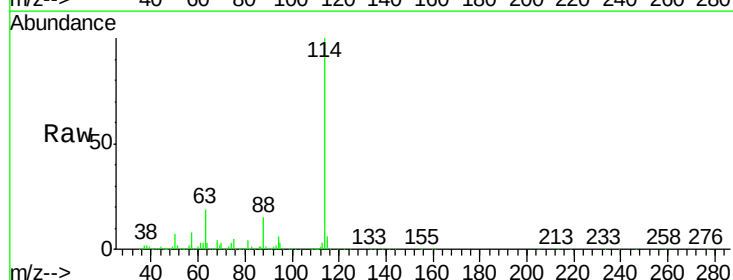
Tgt Ion: 114 Resp: 451398

Ion Ratio Lower Upper

114 100

63 18.2 16.6 24.8

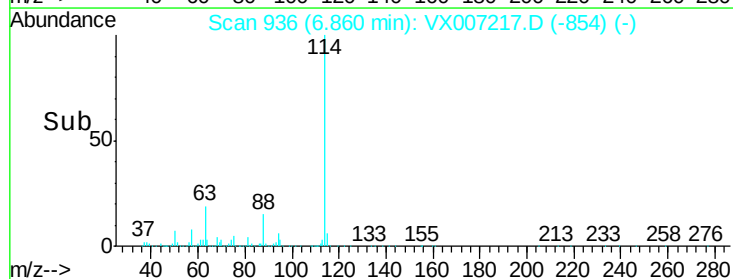
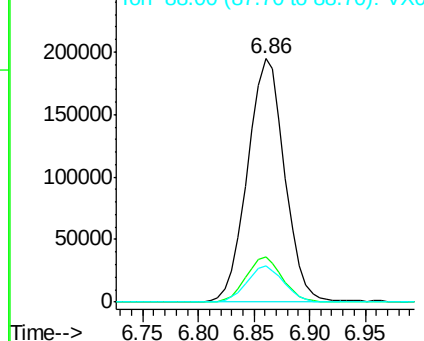
88 14.7 12.4 18.6

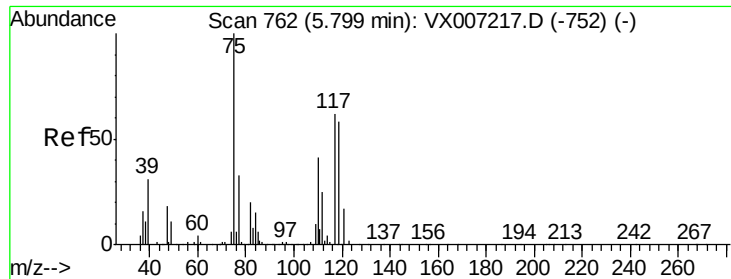


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





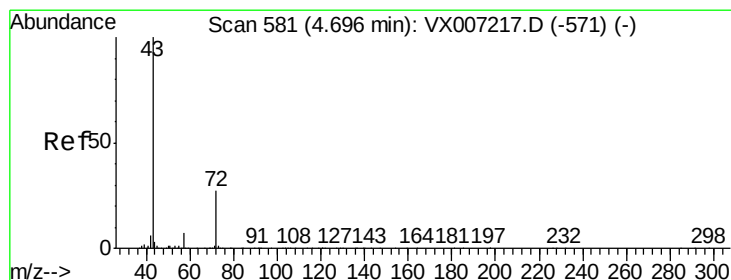
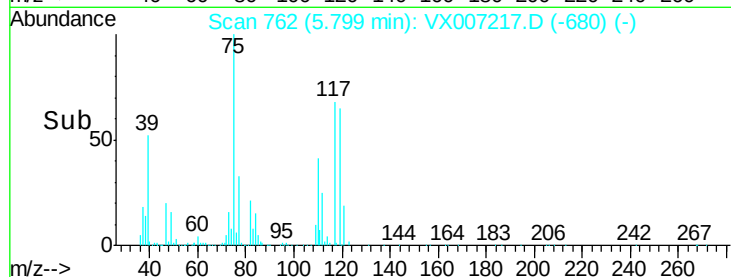
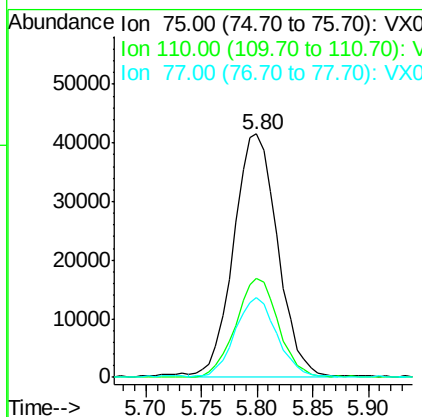
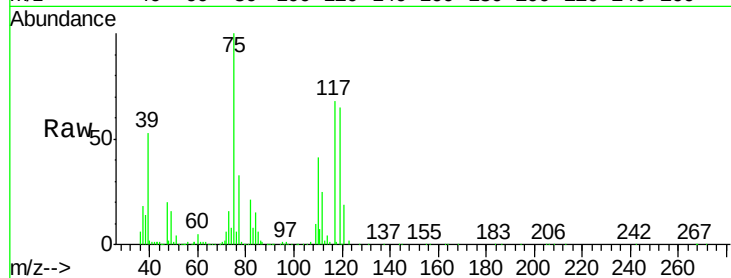
#29
 1,1-Dichloropropene
 Concen: 17.110 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.4	0.0	70.8
77	30.9	0.0	63.0

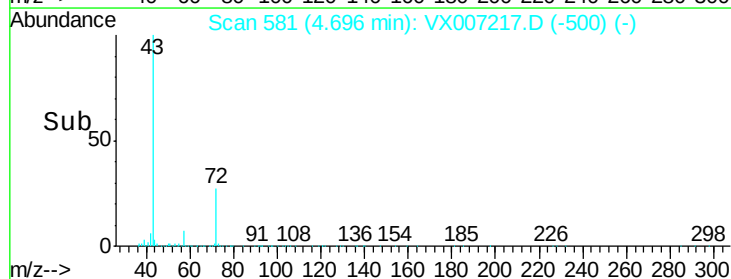
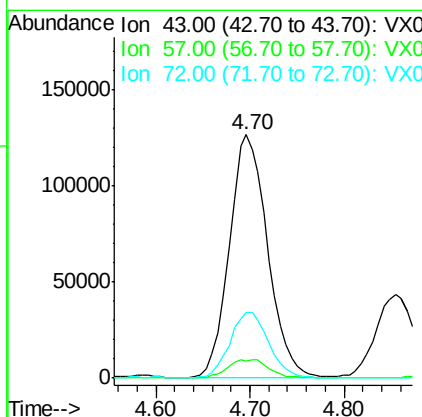
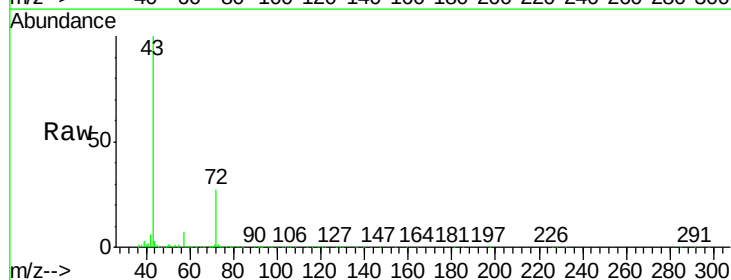
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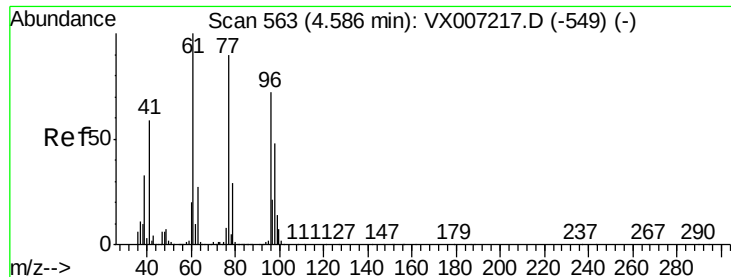
MMDadoda
 1/28/2019 12:05:03 PM



#30
 2-Butanone
 Concen: 65.705 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.1	6.2	9.4#
72	27.5	19.7	29.5





#31

2,2-Dichloropropane

Concen: 15.333 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 77 Resp: 112370

Ion Ratio Lower Upper

77 100

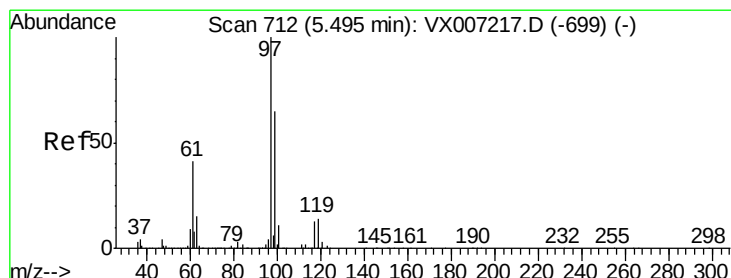
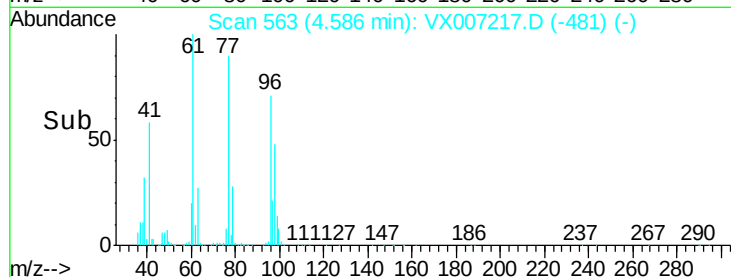
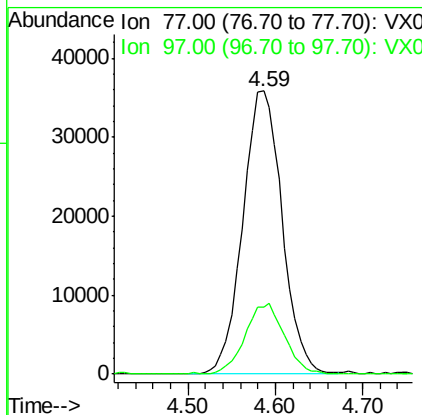
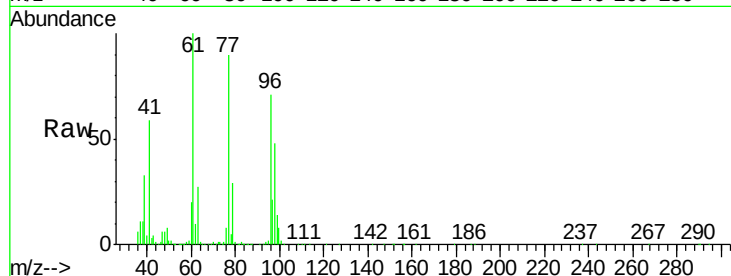
97 24.8 18.5 27.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 17.323 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

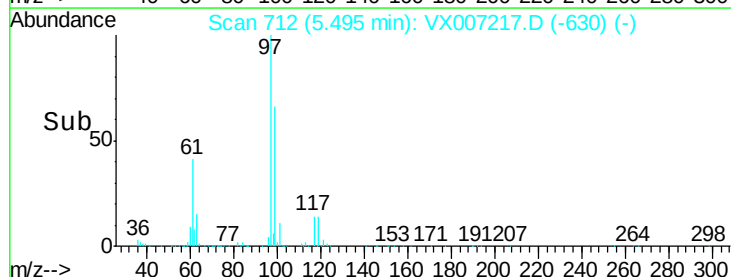
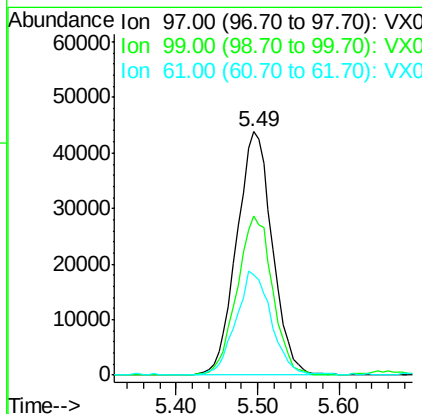
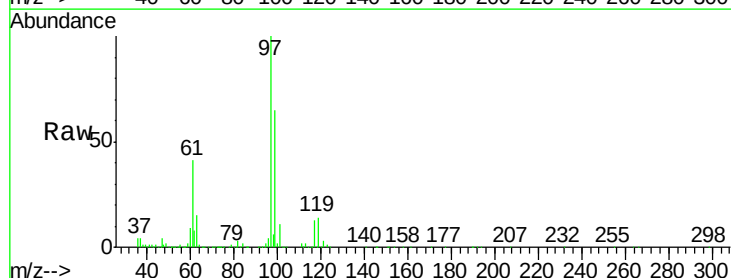
Tgt Ion: 97 Resp: 133015

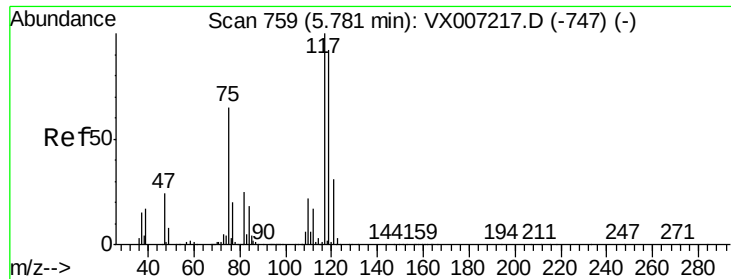
Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.6

61 42.0 35.8 53.6





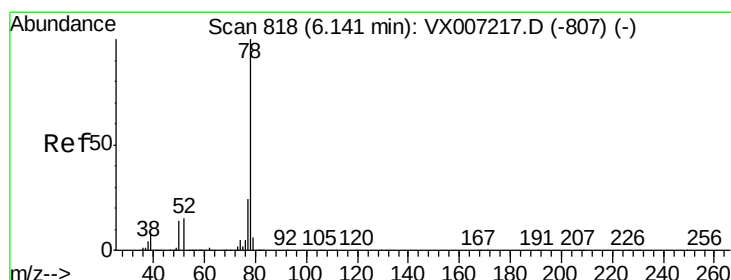
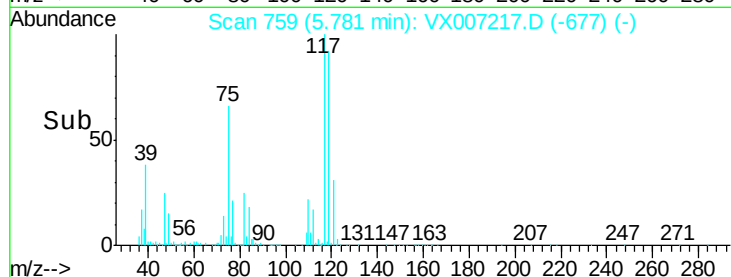
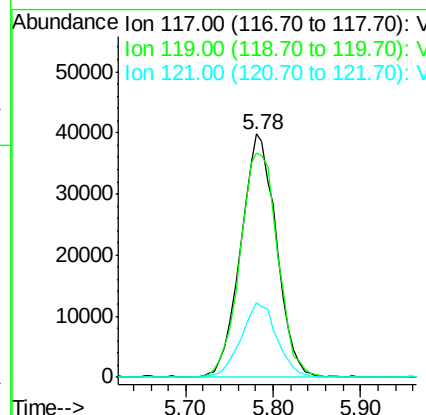
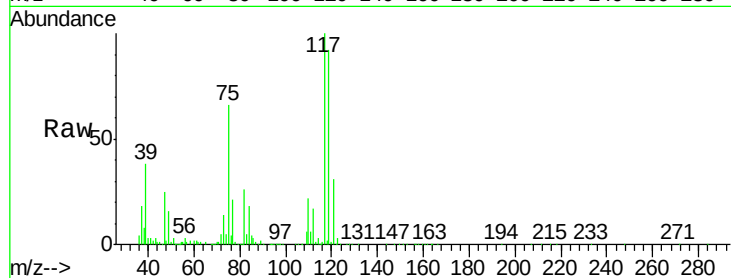
#33
Carbon Tetrachloride
Concen: 16.744 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.9	76.2	114.4
121	30.8	25.2	37.8

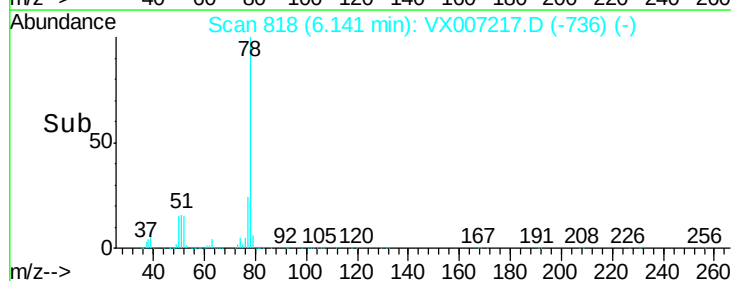
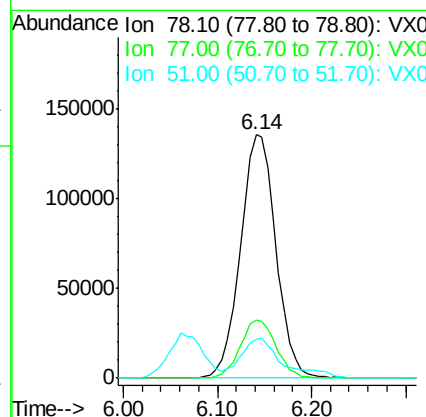
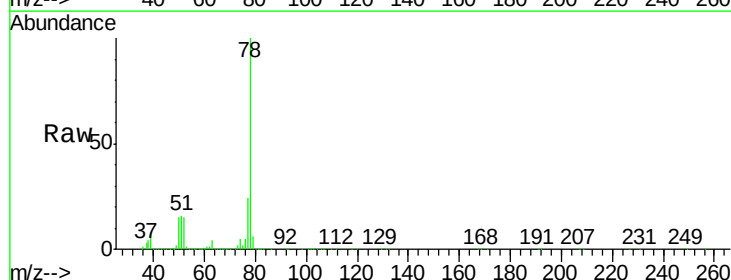
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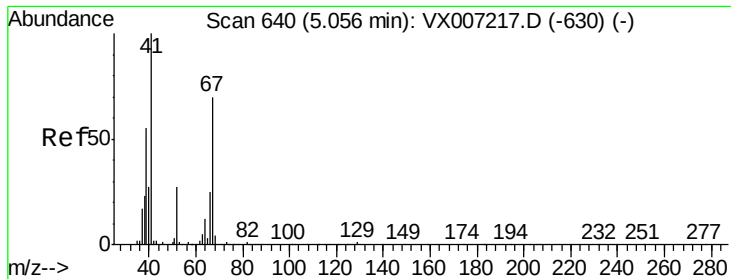
MMDadoda
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#34
Benzene
Concen: 17.522 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.8	29.8
51	15.5	13.8	20.6





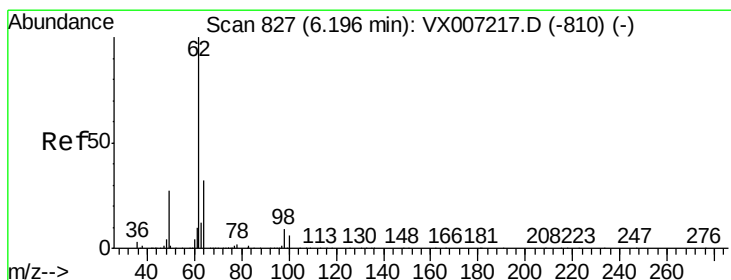
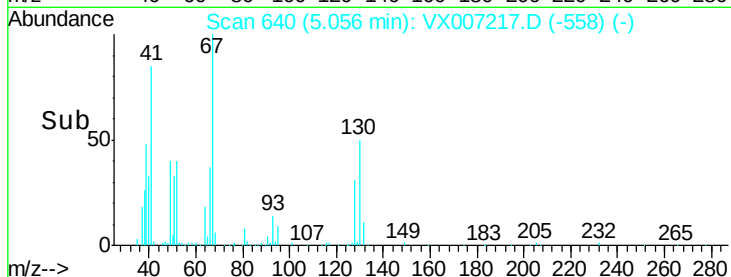
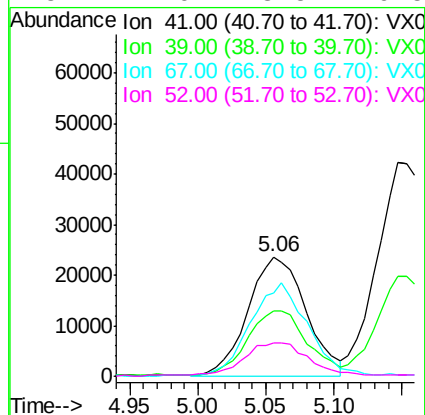
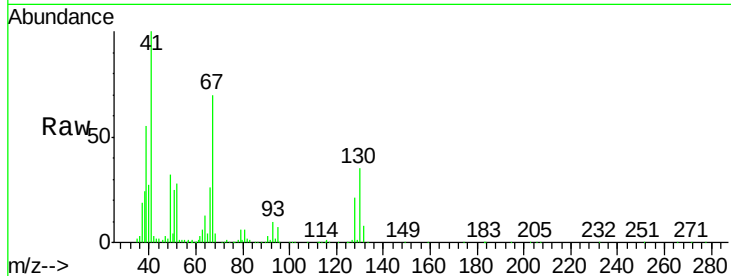
#35
Methacrylonitrile
Concen: 13.883 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	26.1	78.3	
67	69.5	32.3	96.9	
52	27.0	13.5	40.5	

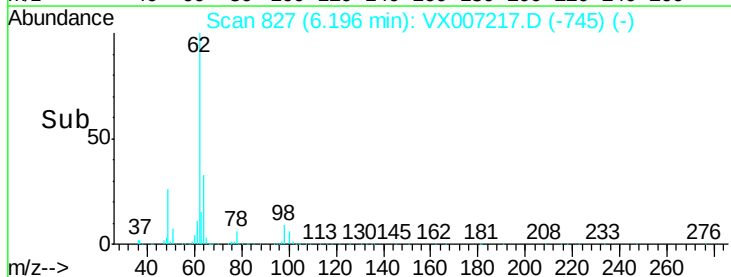
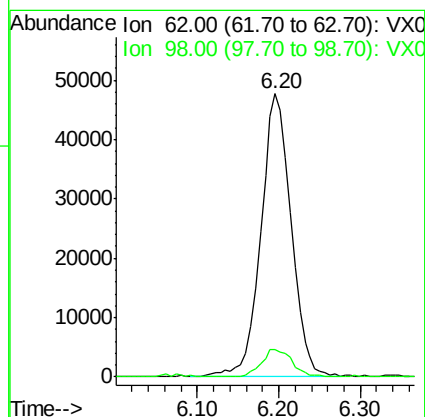
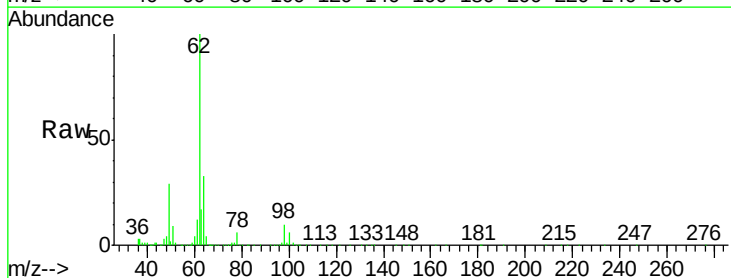
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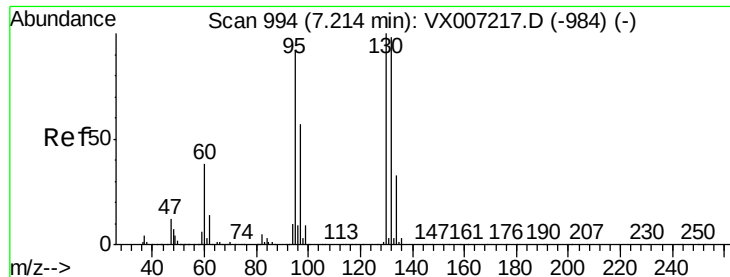
MMDadoda
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#36
1,2-Dichloroethane
Concen: 16.712 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	7.5	11.3	





#37

Trichloroethene

Concen: 19.496 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:130 Resp: 104093

Ion Ratio Lower Upper

130 100

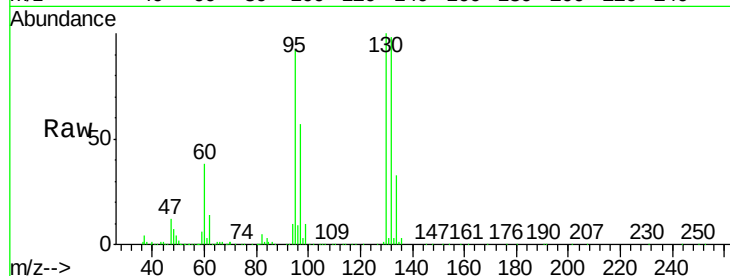
95 92.1 78.5 117.7

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

60000

50000

40000

30000

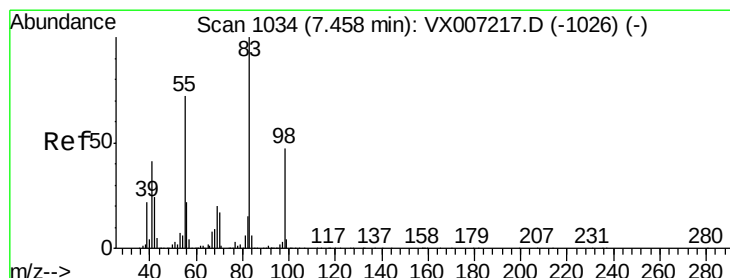
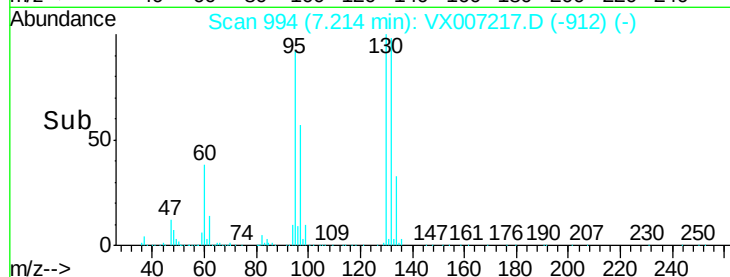
20000

10000

0

7.10 7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 17.382 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

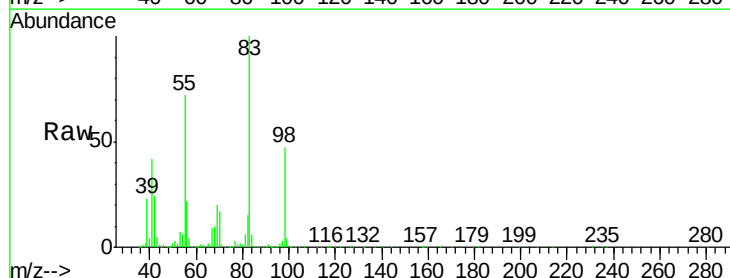
Tgt Ion: 83 Resp: 137846

Ion Ratio Lower Upper

83 100

55 73.2 41.8 125.3

98 48.3 22.4 67.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

80000

60000

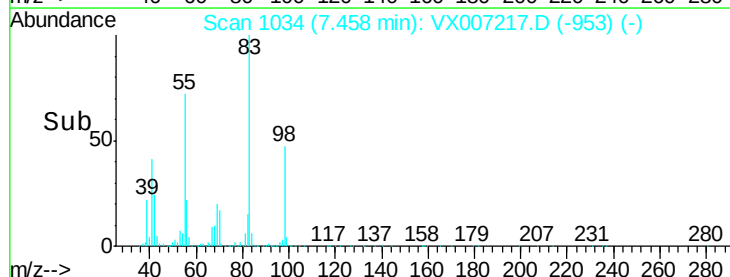
40000

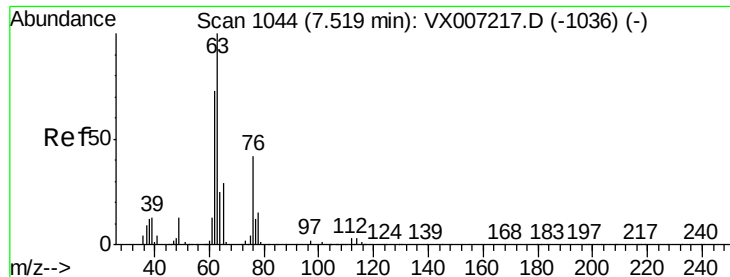
20000

0

7.40 7.45 7.50 7.55

Time-->





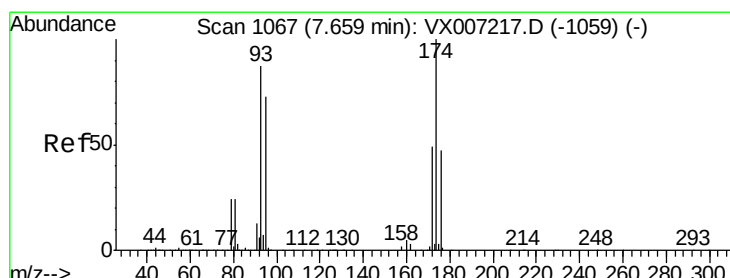
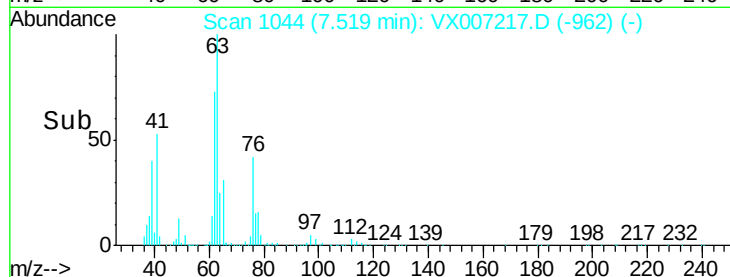
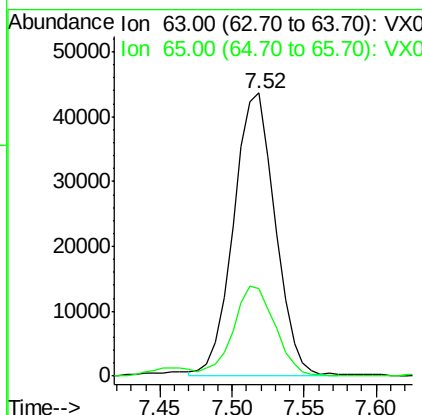
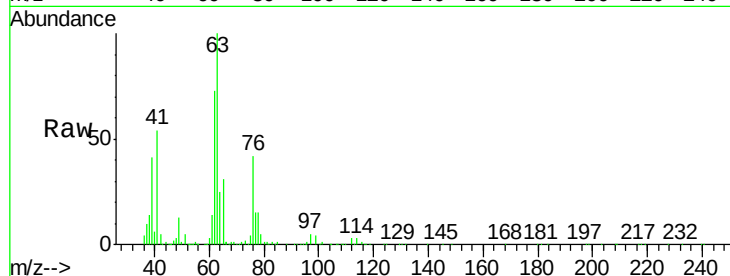
#39
 1,2-Dichloropropane
 Concen: 16.236 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.2	34.8

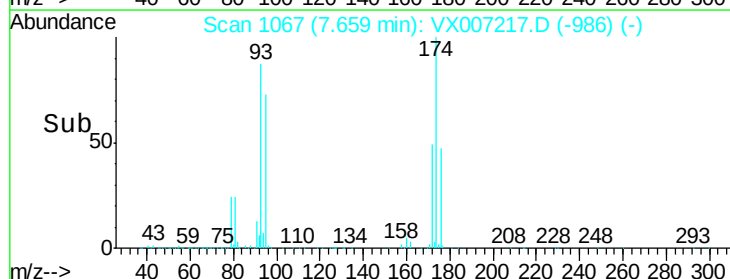
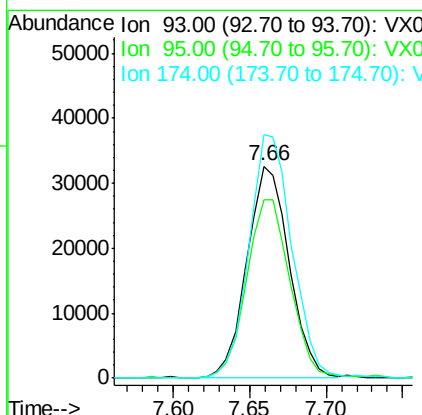
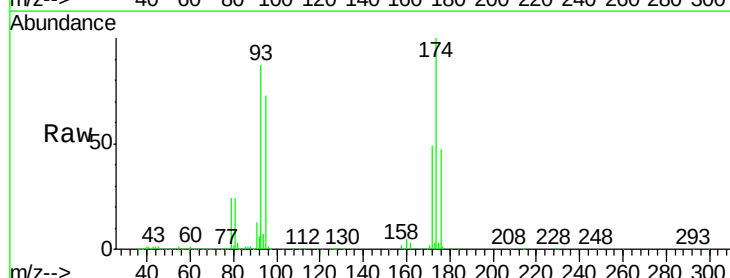
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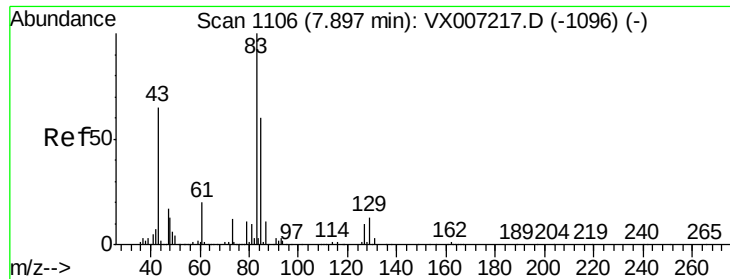
MMDadoda
 1/28/2019 12:05:03 PM



#40
 Dibromomethane
 Concen: 17.956 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.2	0.0	172.4
174	116.5	0.0	234.0





#41

Bromodichloromethane

Concen: 15.849 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

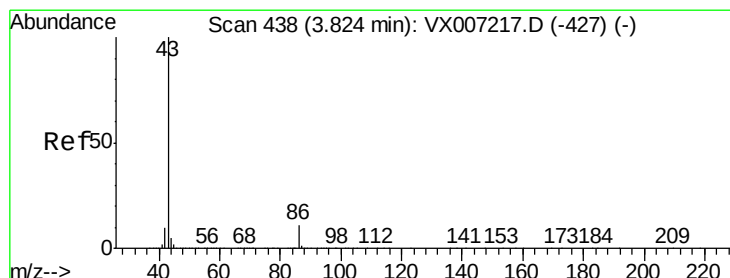
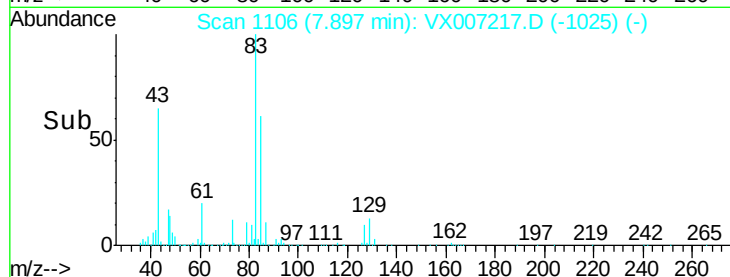
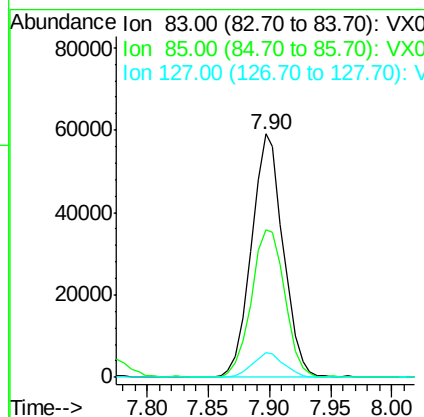
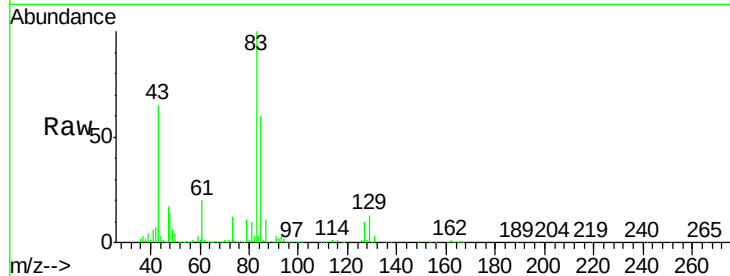
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	106957
Ion	Ratio	Lower	Upper
83	100		
85	60.2	50.2	75.4
127	10.4	6.9	10.3#

Manual Integrations
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#42

Vinyl Acetate

Concen: 72.544 ug/l

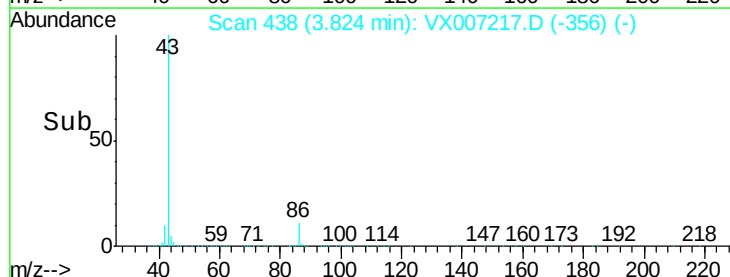
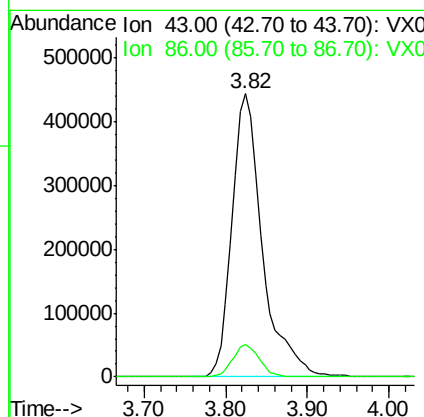
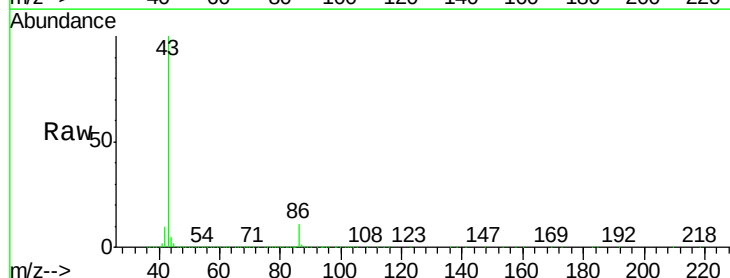
RT: 3.82 min Scan# 438

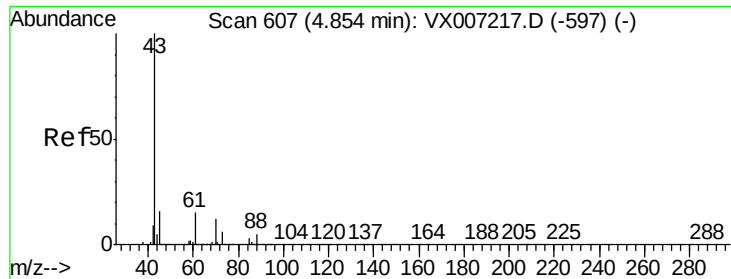
Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	43	Resp:	1139803
Ion	Ratio	Lower	Upper
43	100		
86	10.0	6.6	10.0#





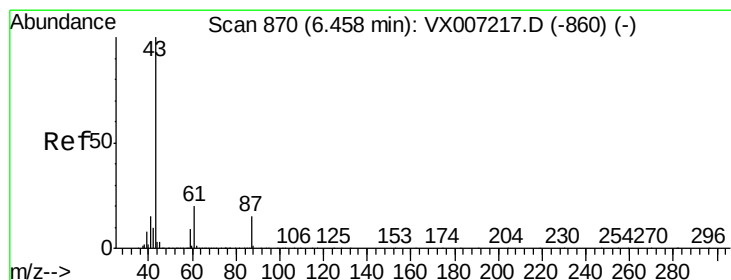
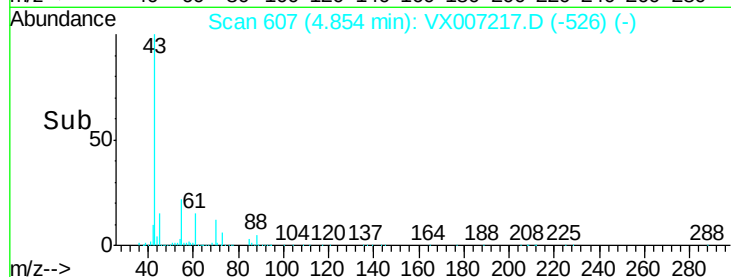
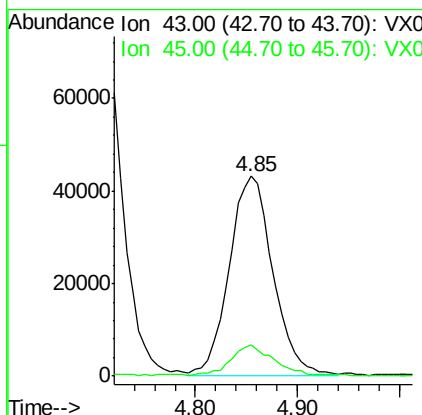
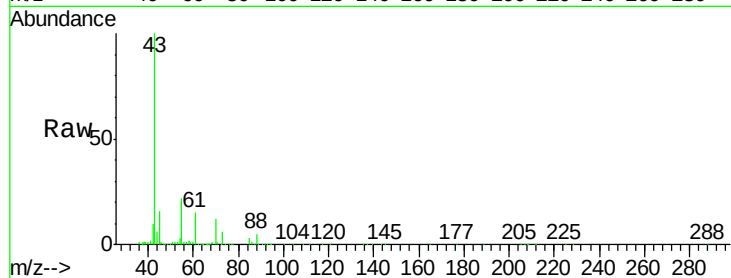
#43
Ethyl Acetate
Concen: 14.247 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.6	12.3	18.5

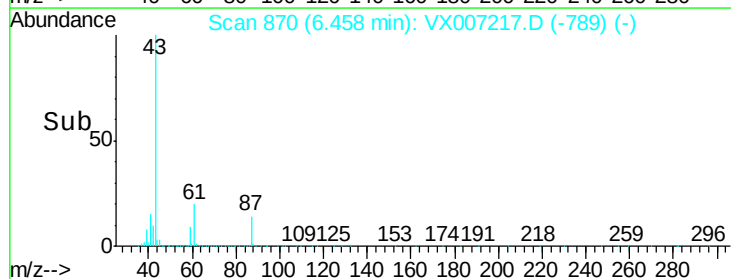
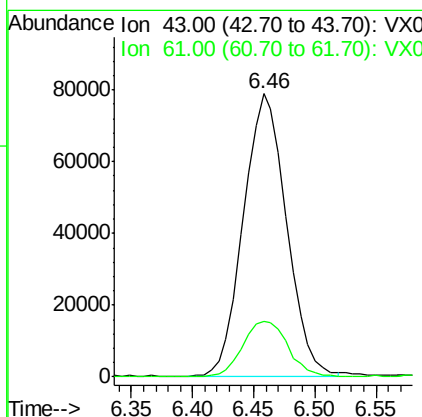
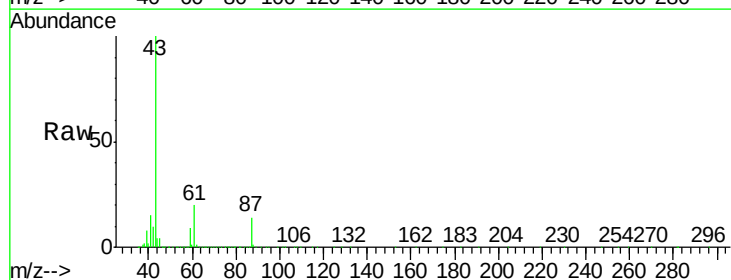
Manual Integrations
APPROVED

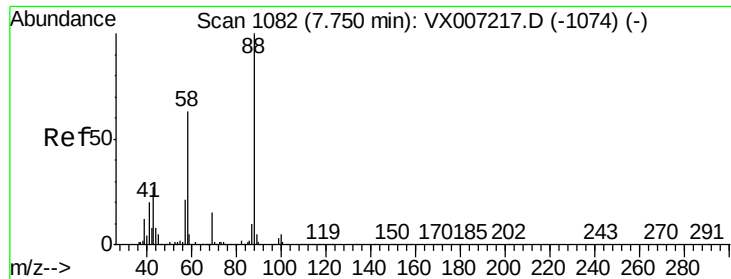
MMDadoda
1/28/2019 12:05:03 PM



#44
Isopropyl Acetate
Concen: 14.421 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.0	15.7	23.5





#45

1,4-Dioxane

Concen: 313.464 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

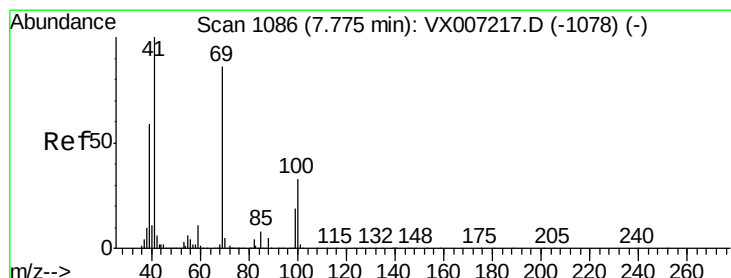
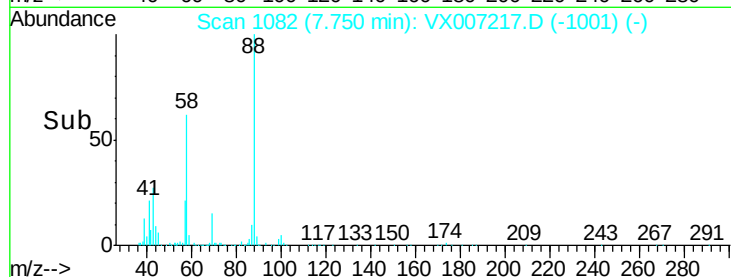
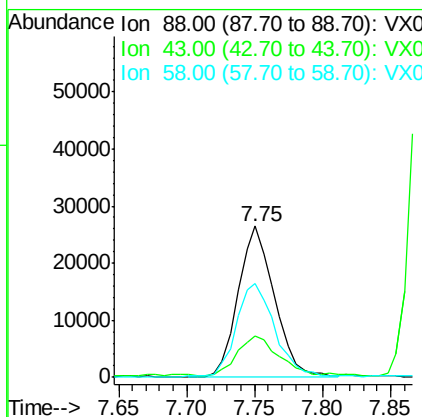
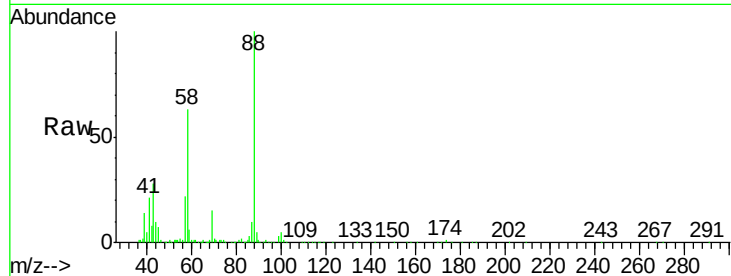
ClientSampleId :

VSTDICCC020

Tot Ion:	88	Resp:	49372
Ion	Ratio	Lower	Upper
88	100		
43	29.4	25.4	38.0
58	64.5	61.0	91.6

Manual Integrations
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#46

Methyl methacrylate

Concen: 14.656 ug/l

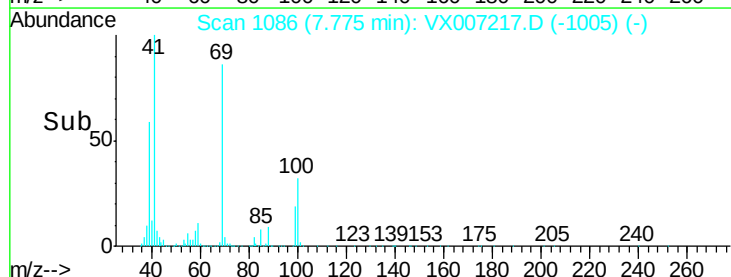
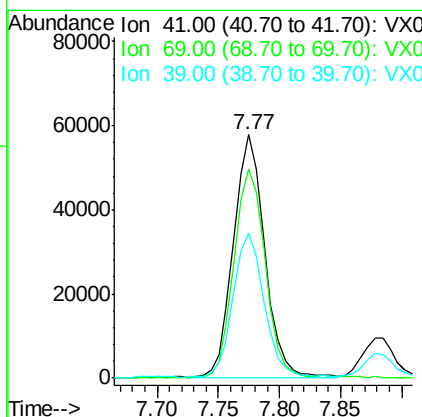
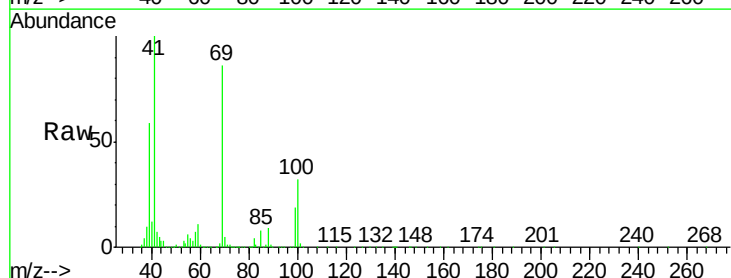
RT: 7.77 min Scan# 1086

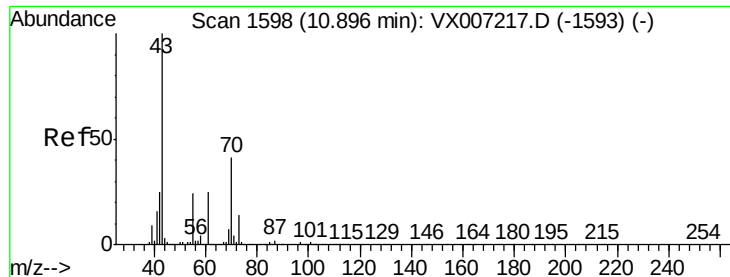
Delta R.T. -0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	41	Resp:	101657
Ion	Ratio	Lower	Upper
41	100		
69	86.1	41.0	123.0
39	58.8	25.9	77.7





#47

n-amvl Acetate

Concen: 14.012 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 172831

Ion Ratio Lower Upper

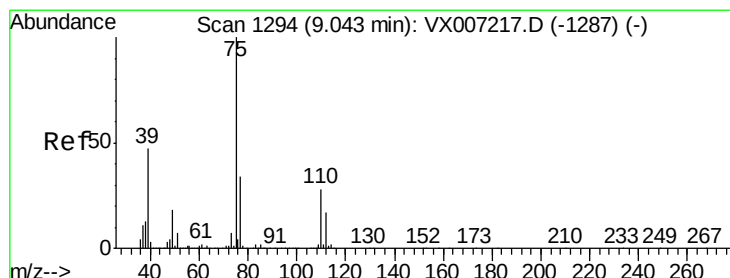
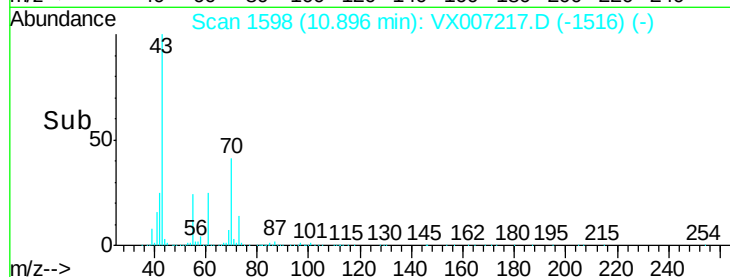
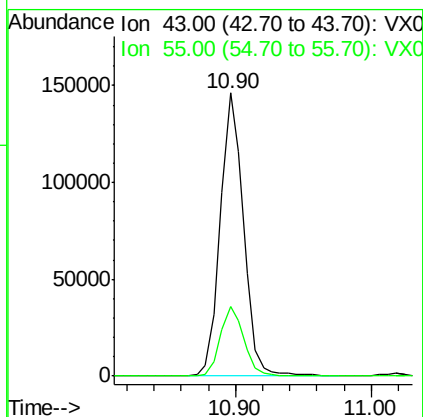
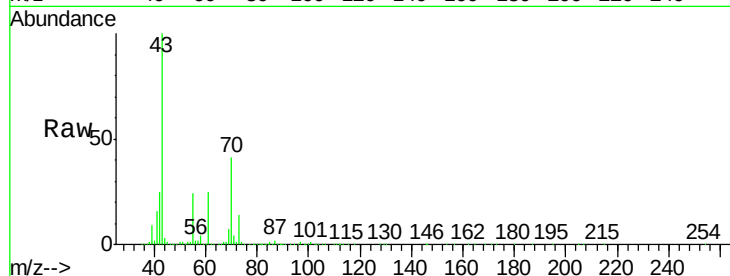
43 100

55 24.9 20.0 30.0

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 14.716 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007217.D

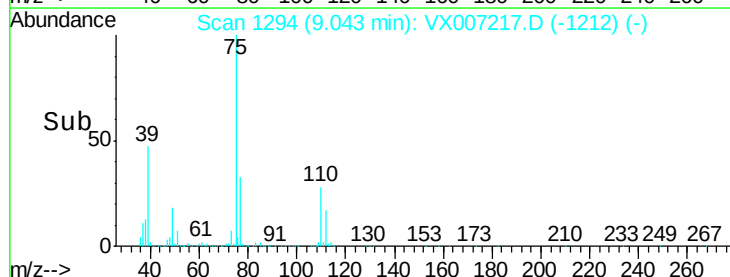
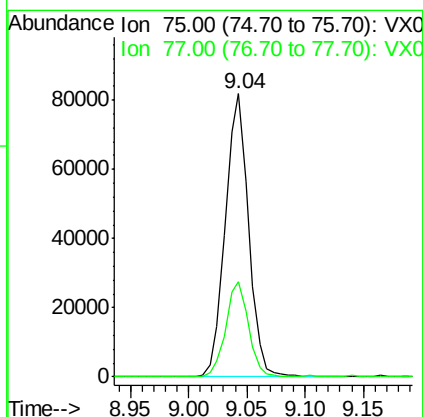
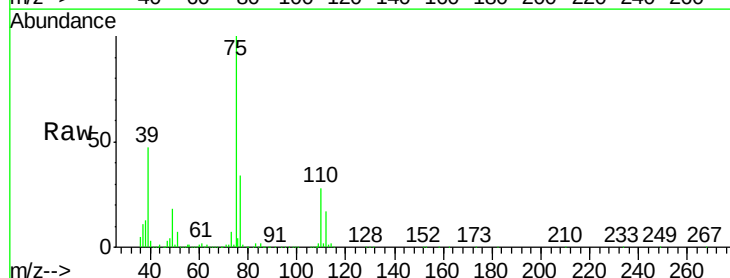
Acq: 25 Jan 2019 09:24

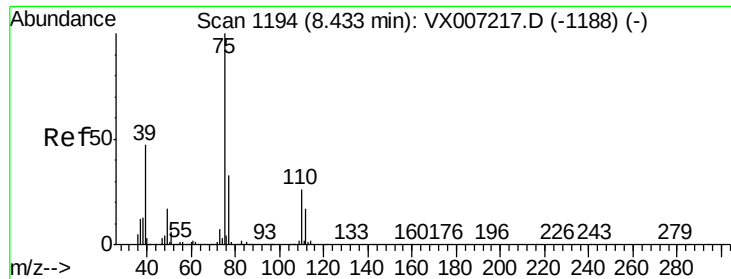
Tgt Ion: 75 Resp: 113609

Ion Ratio Lower Upper

75 100

77 33.4 24.4 36.6





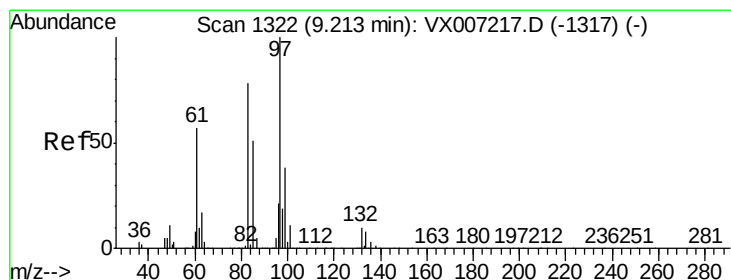
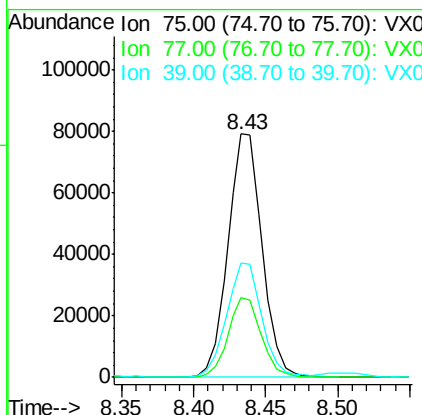
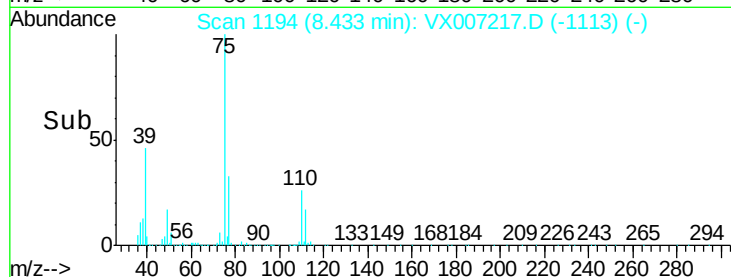
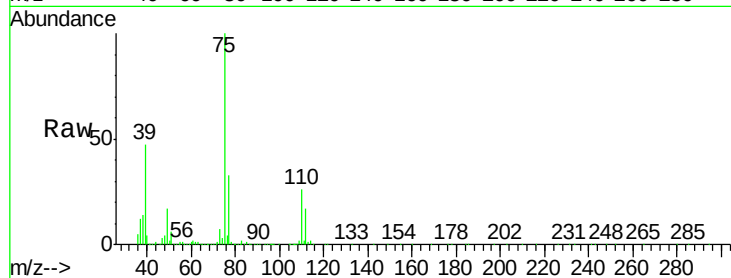
#49
 cis-1,3-Dichloropropene
 Concen: 15.598 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.9	37.3
39	46.5	38.0	57.0

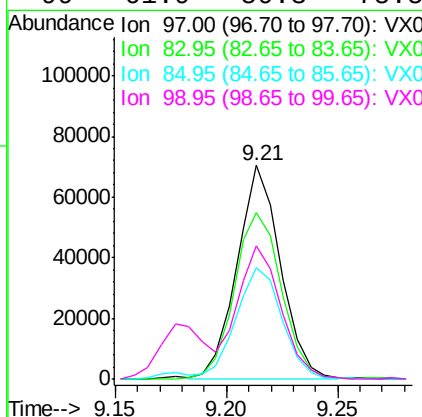
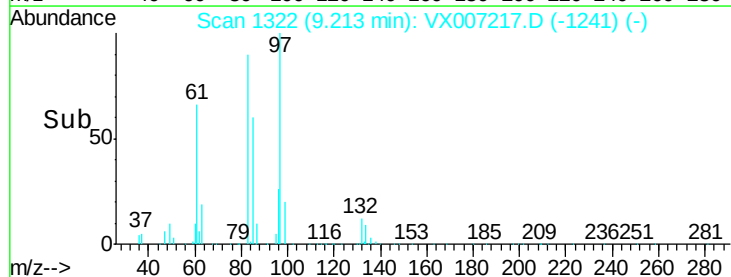
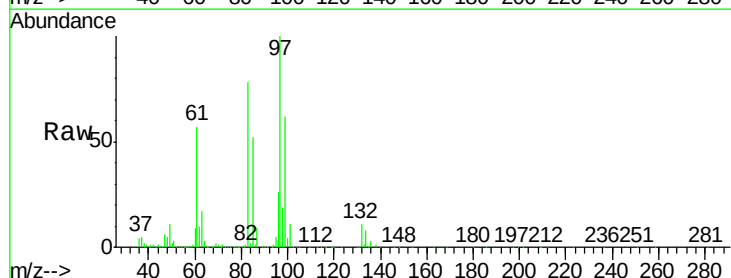
Manual Integrations
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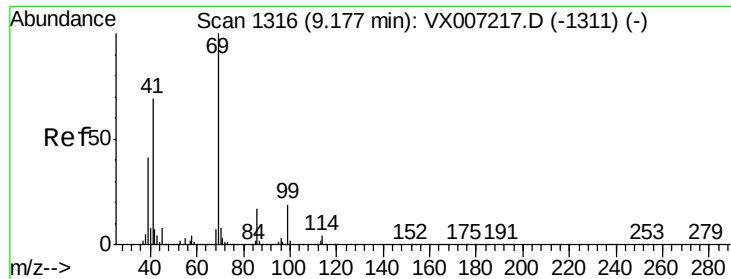
MMDadoda
 1/28/2019 12:05:03 PM



#50
 1,1,2-Trichloroethane
 Concen: 17.979 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.1	67.2	100.8
85	52.2	44.7	67.1
99	61.9	50.3	75.5





#51

Ethyl methacrylate

Concen: 15.975 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

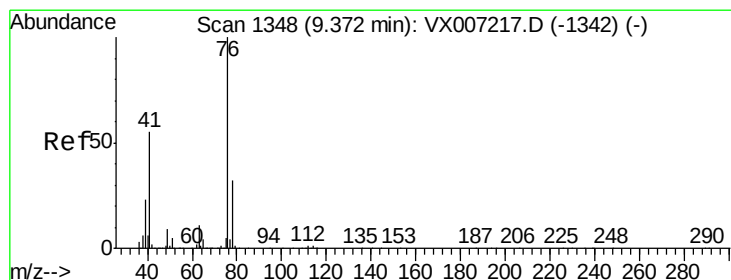
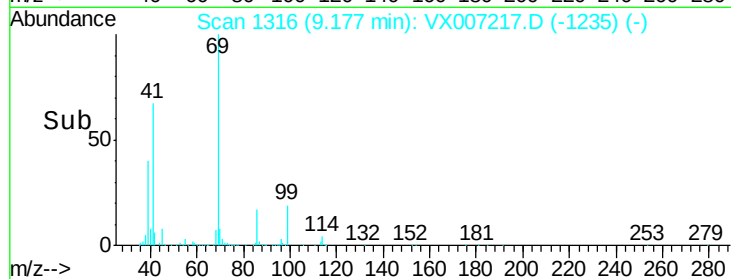
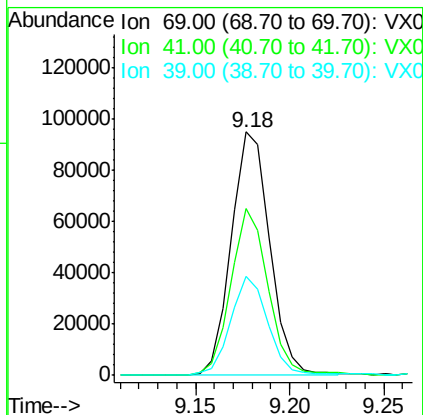
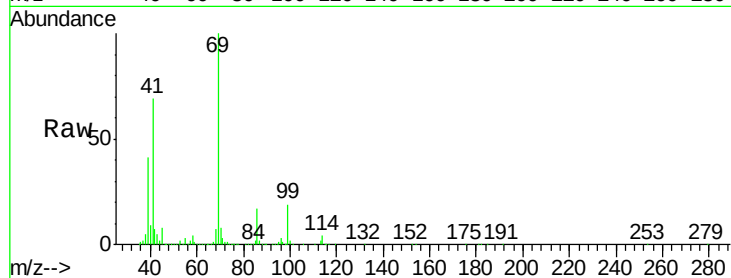
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	134367
Ion	Ratio	Lower	Upper
69	100		
41	68.4	34.6	103.9
39	40.5	17.0	51.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 17.060 ug/l

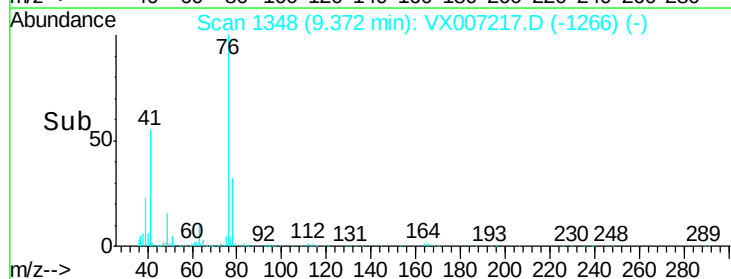
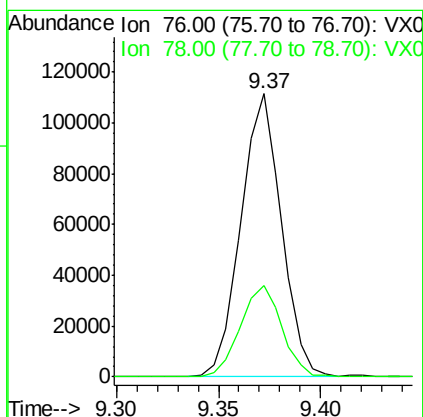
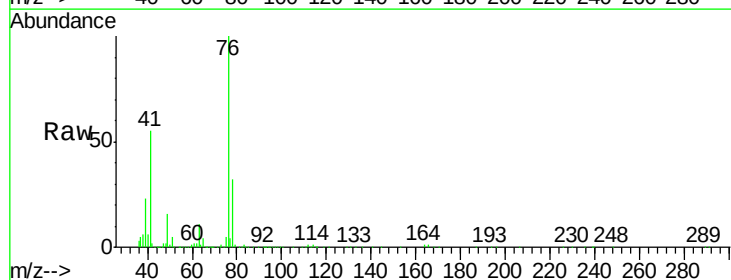
RT: 9.37 min Scan# 1348

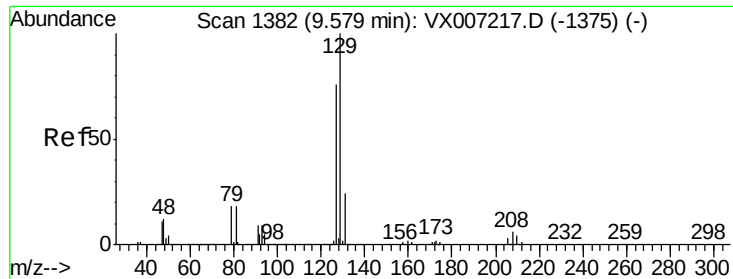
Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	76	Resp:	152531
Ion	Ratio	Lower	Upper
76	100		
78	33.1	0.0	64.4





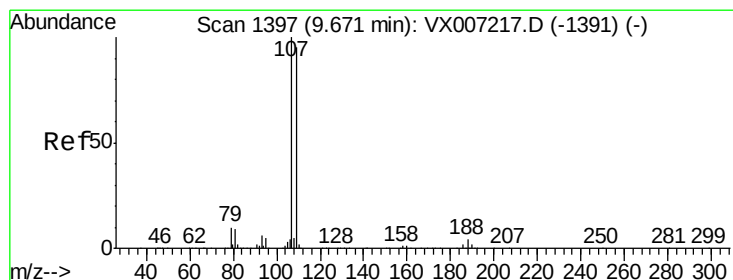
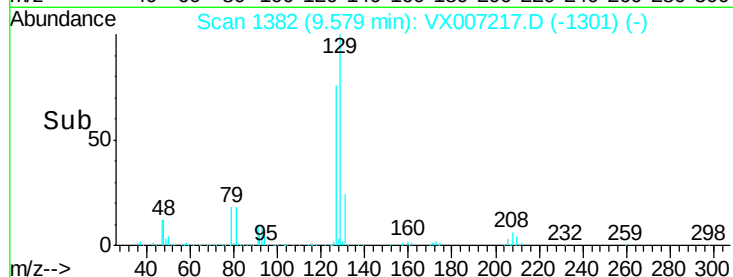
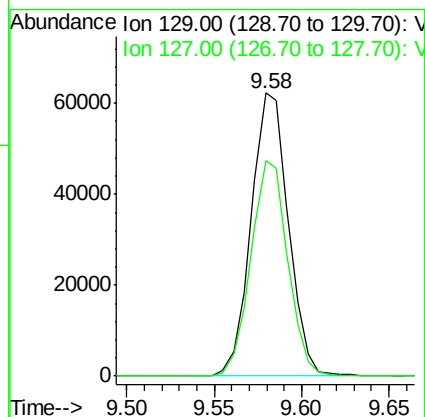
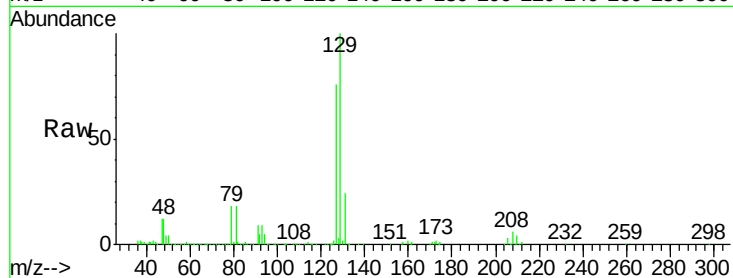
#53
Dibromochloromethane
Concen: 16.757 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.3	114.9

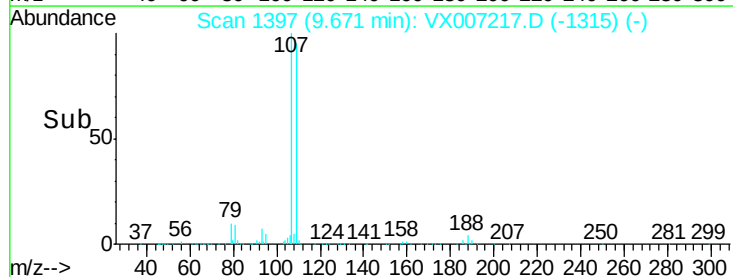
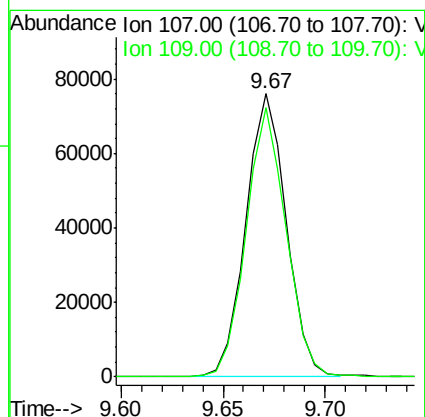
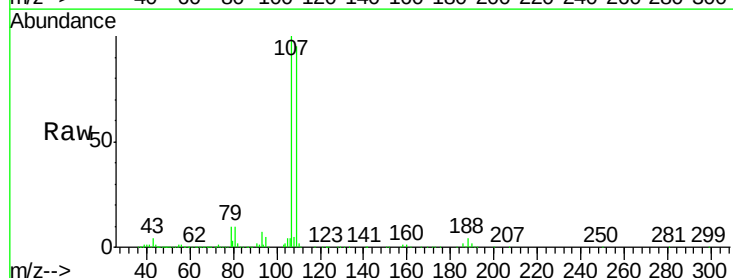
Manual Integrations
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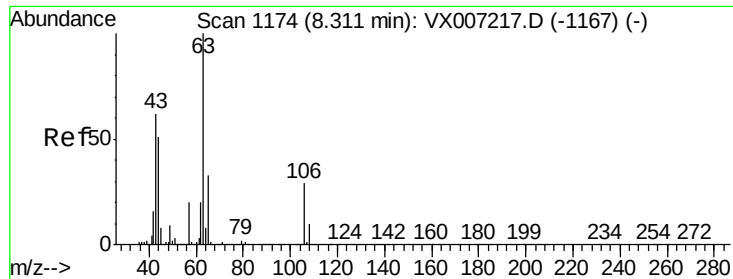
MMDadoda
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#54
1,2-Dibromoethane
Concen: 18.900 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.8	112.2





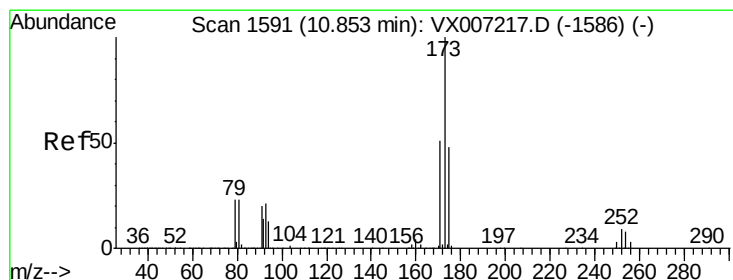
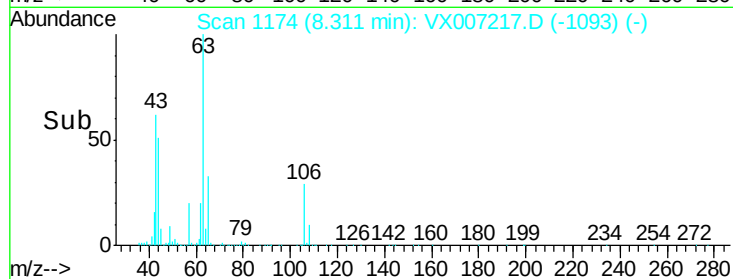
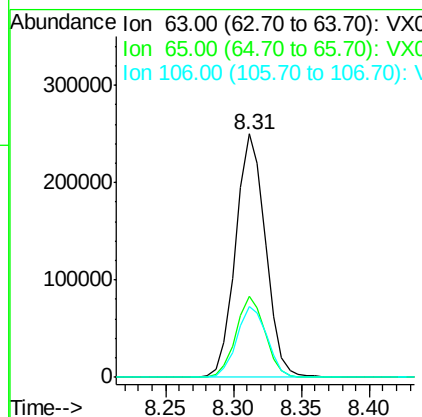
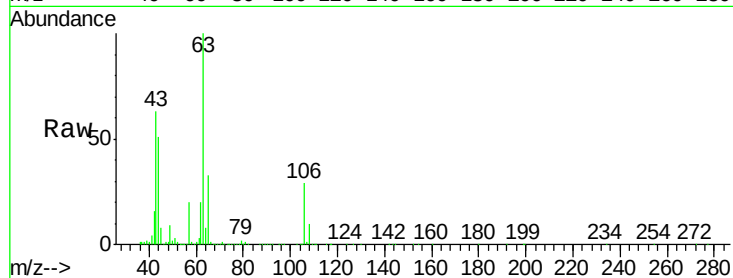
#55
 2-Chloroethyl vinyl ether
 Concen: 85.849 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9
106	29.8	21.8	32.6

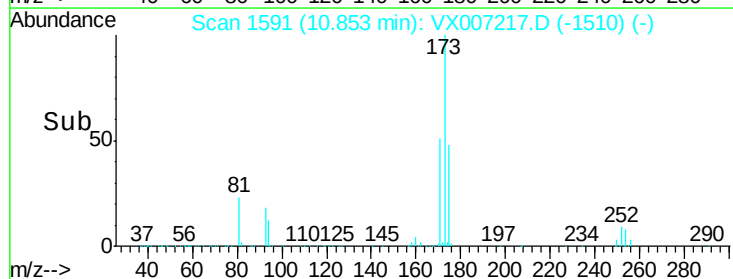
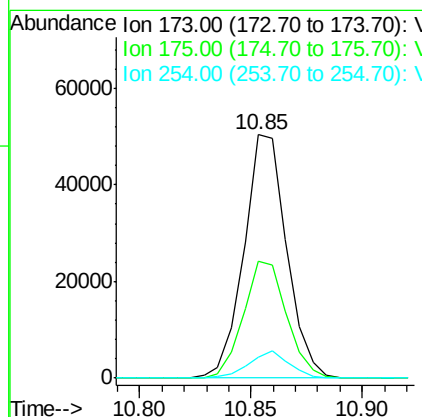
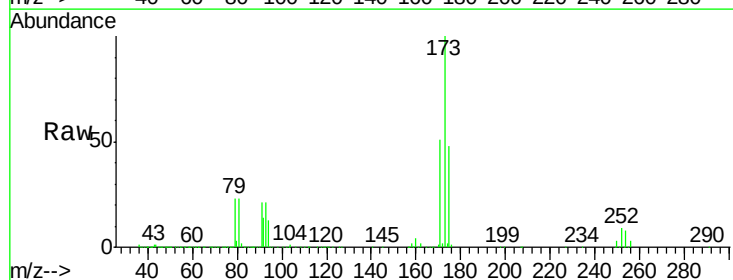
Manual Integrations
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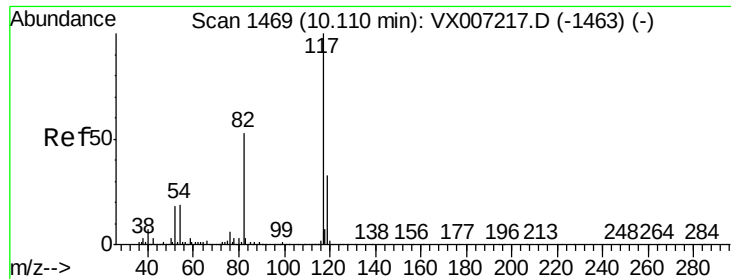
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#56
 Bromoform
 Concen: 14.704 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.7	59.5
254	10.6	9.6	14.4





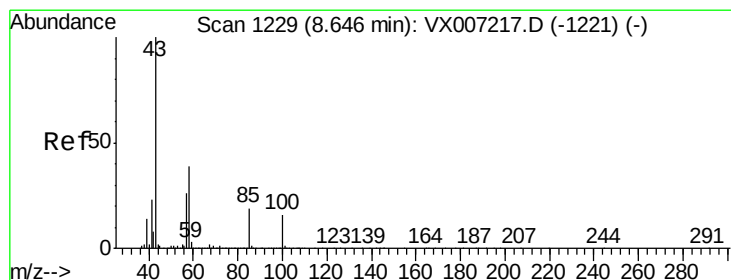
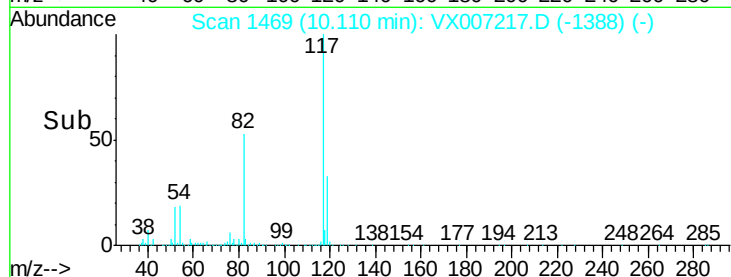
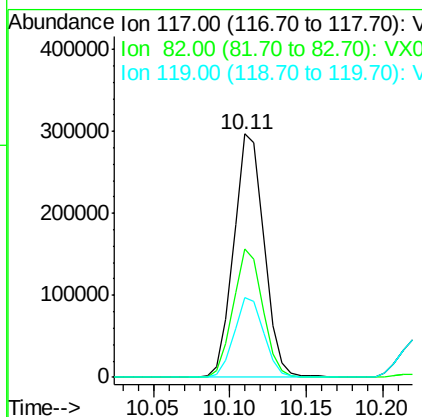
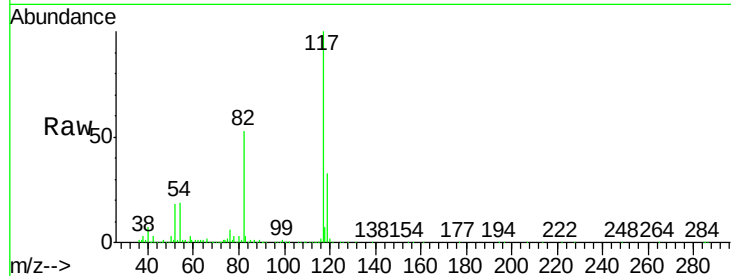
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	44.2	66.4
119	32.1	25.8	38.6

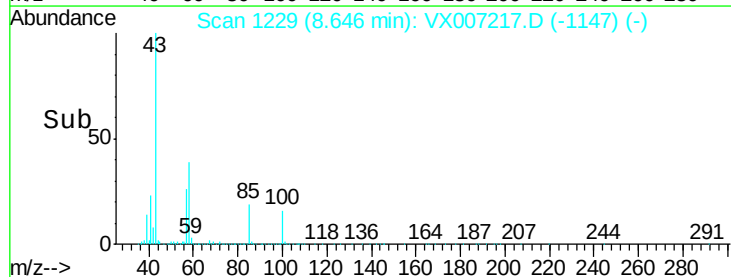
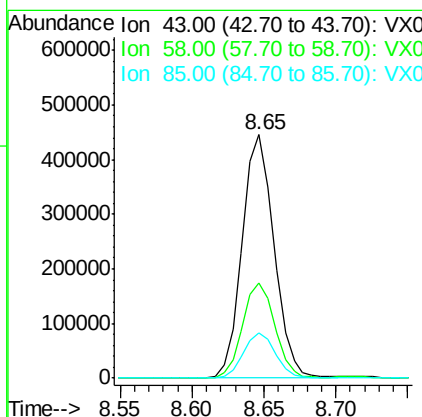
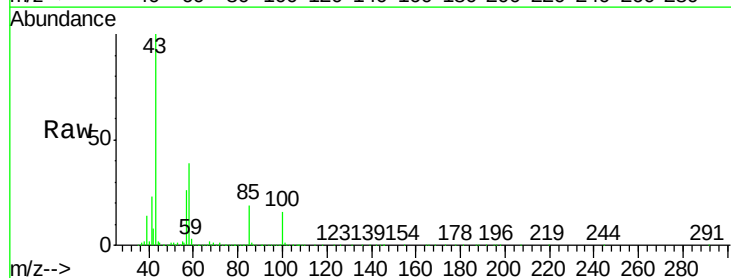
Manual Integrations
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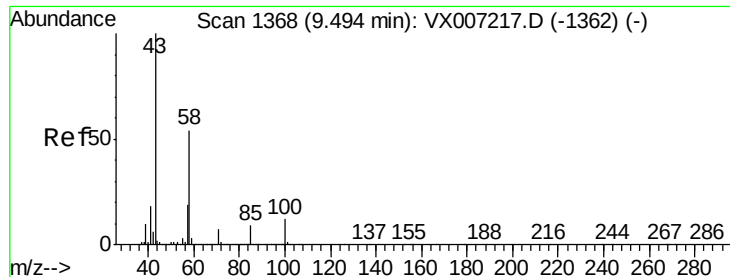
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#58
4-Methyl-2-Pentanone
Concen: 74.627 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	30.8	46.2
85	18.6	13.1	19.7





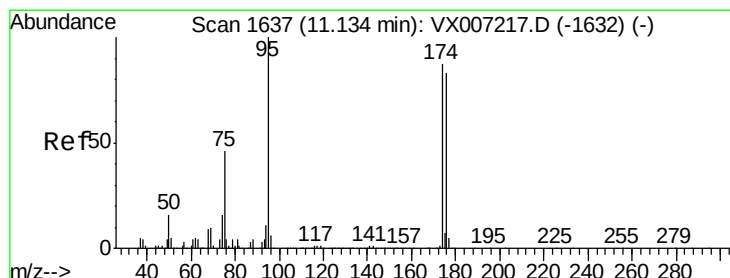
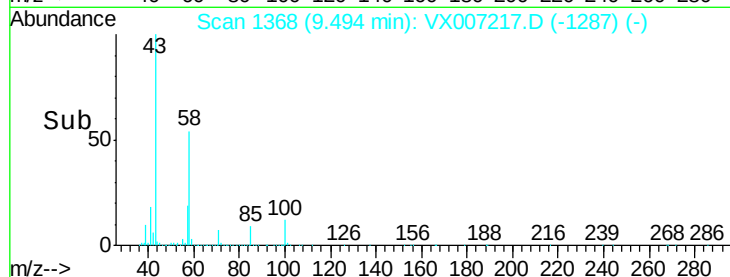
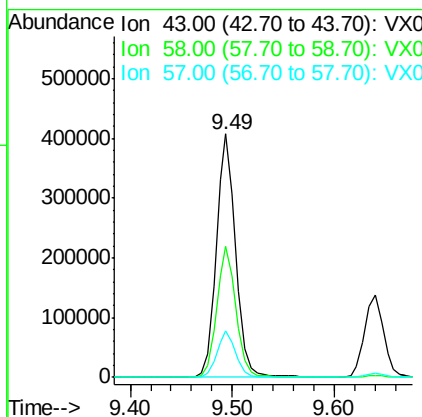
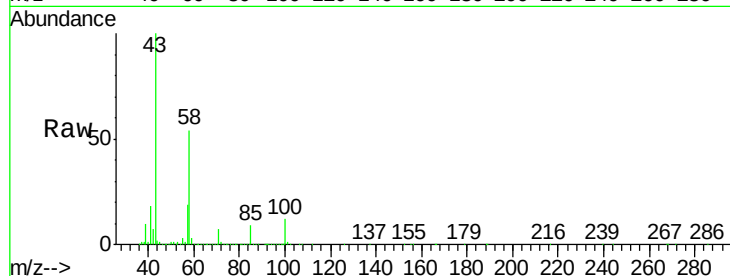
#59
2-Hexanone
Concen: 71.532 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.5	42.7	64.1
57	18.5	14.6	22.0

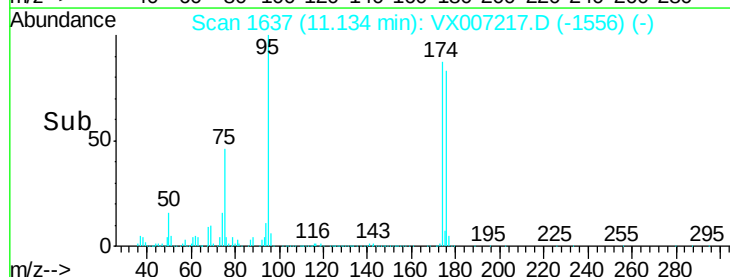
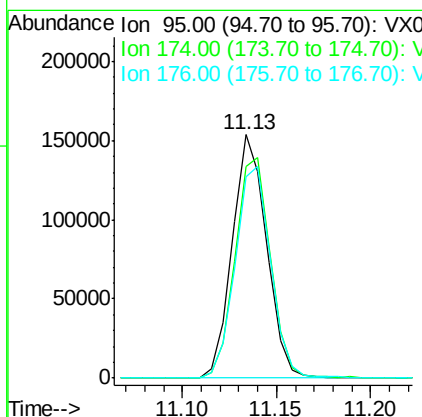
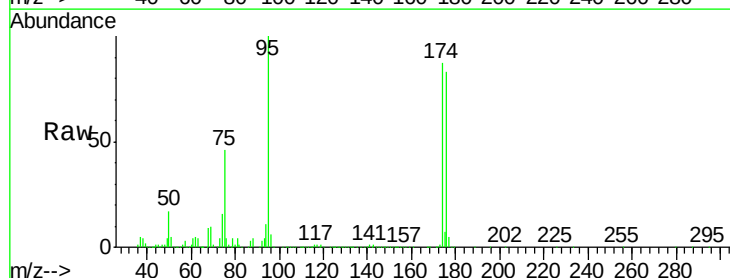
Manual Integrations
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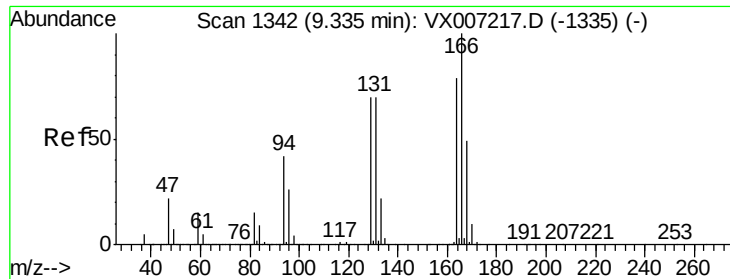
MMDadoda
1/28/2019 12:05:03 PM



#60
4-Bromofluorobenzene
Concen: 28.446 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	73.1	109.7
176	90.6	71.0	106.6





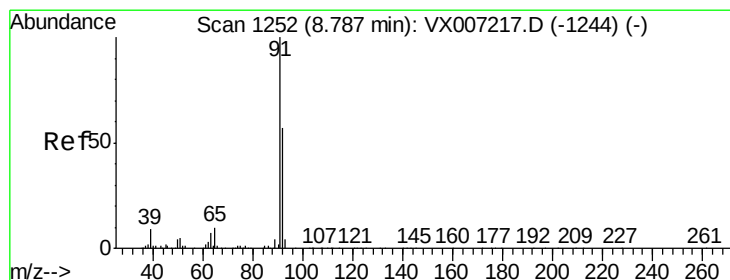
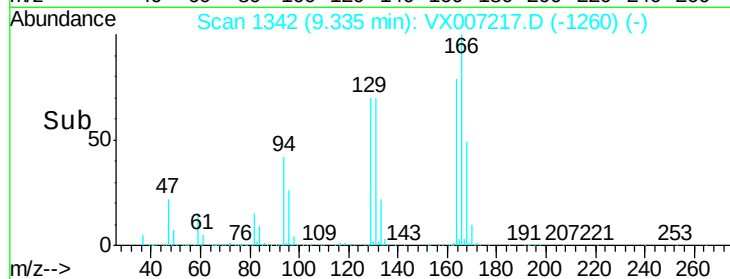
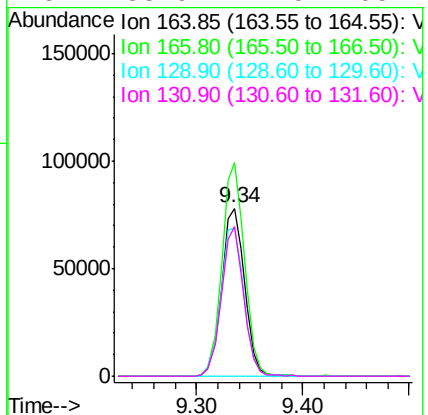
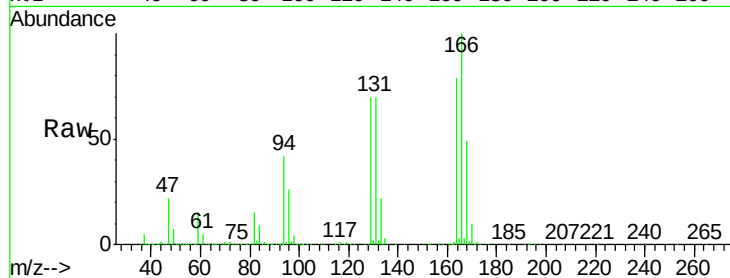
#61
Tetrachloroethene
Concen: 23.681 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.0	156.0
129	88.3	75.1	112.7
131	88.9	72.5	108.7

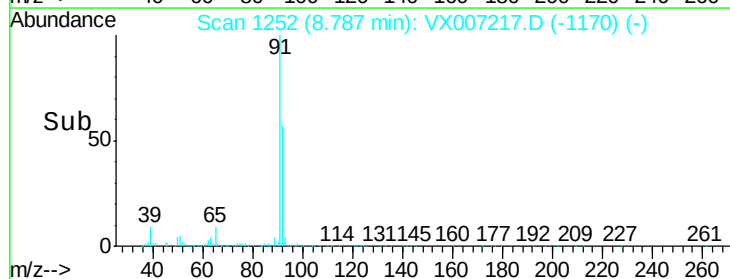
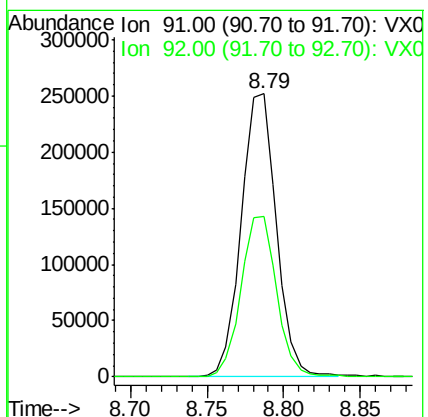
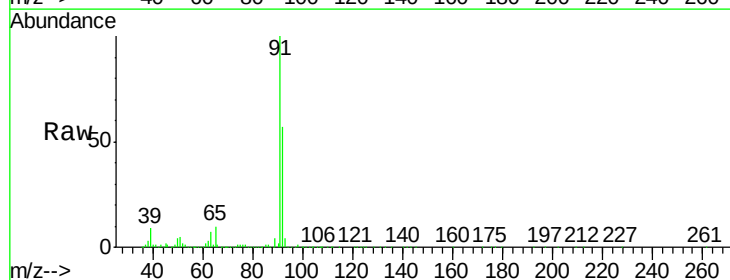
Manual Integrations
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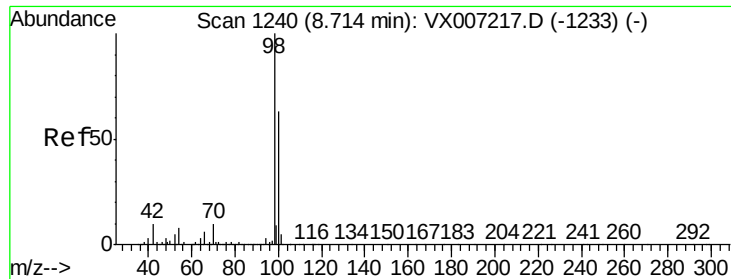
MMDadoda
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#62
Toluene
Concen: 18.695 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	46.2	69.4





#63

Toluene-d8

Concen: 30.744 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 560677

Ion Ratio Lower Upper

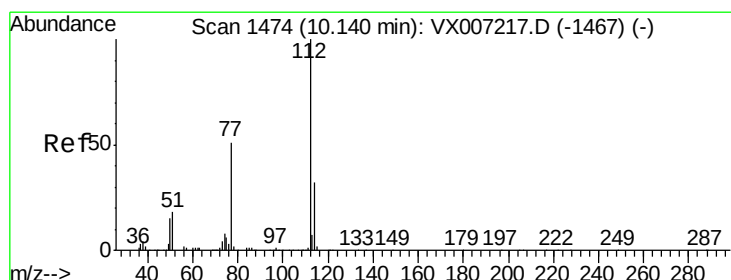
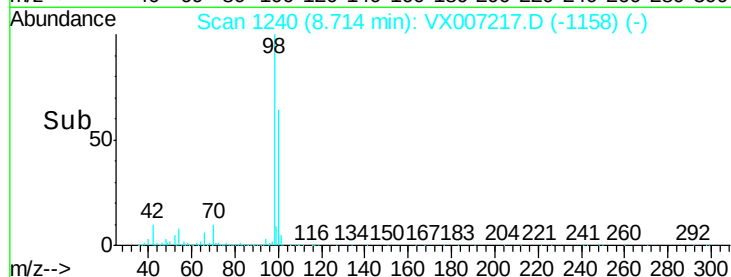
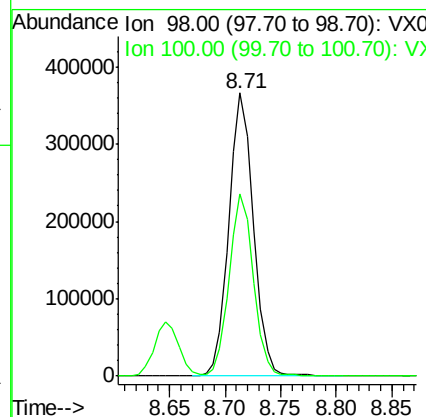
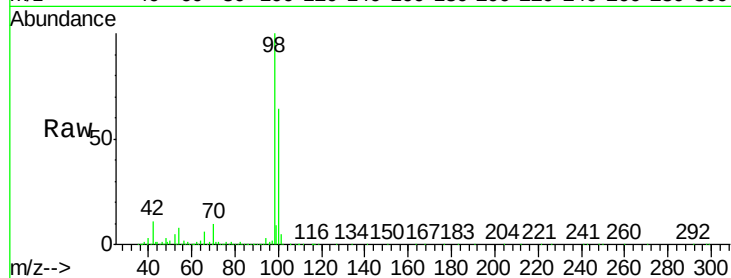
98 100

100 62.4 51.6 77.4

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#64

Chlorobenzene

Concen: 19.011 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007217.D

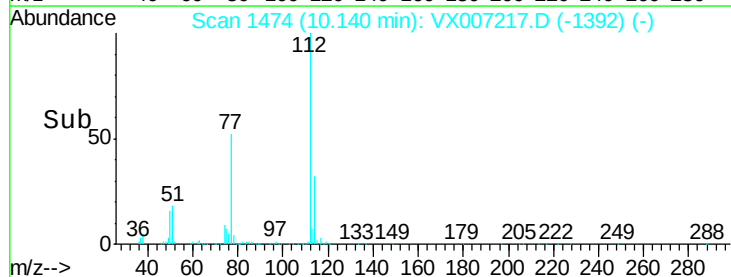
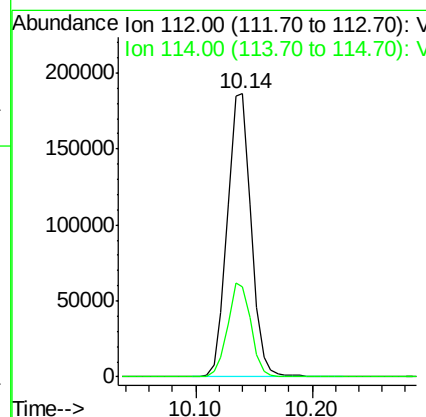
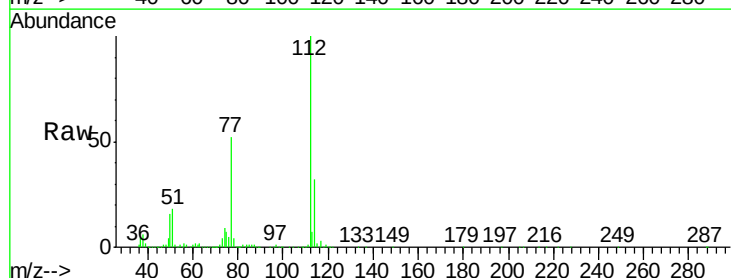
Acq: 25 Jan 2019 09:24

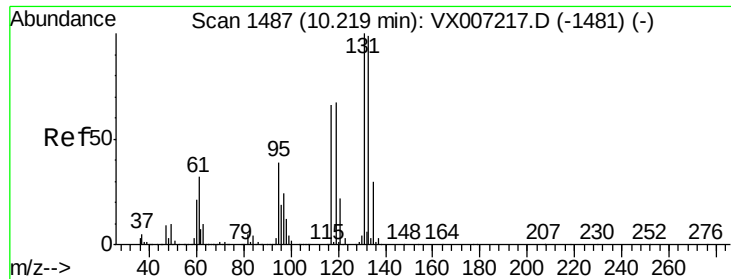
Tgt Ion: 112 Resp: 263620

Ion Ratio Lower Upper

112 100

114 31.7 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 18.057 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

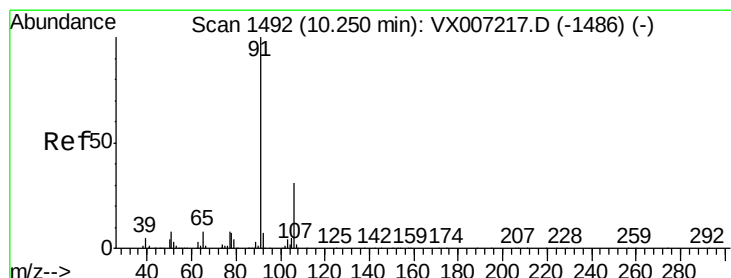
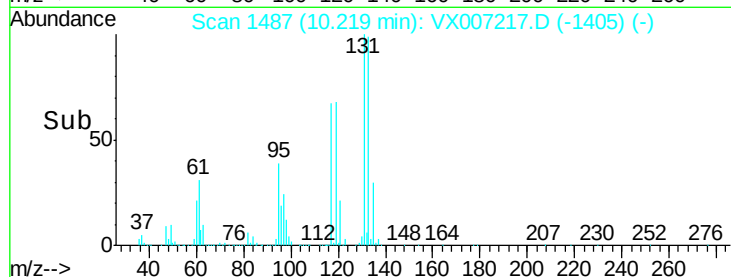
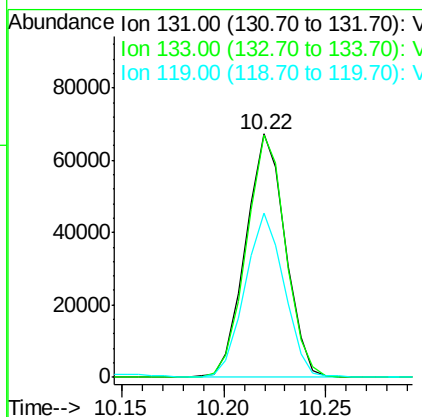
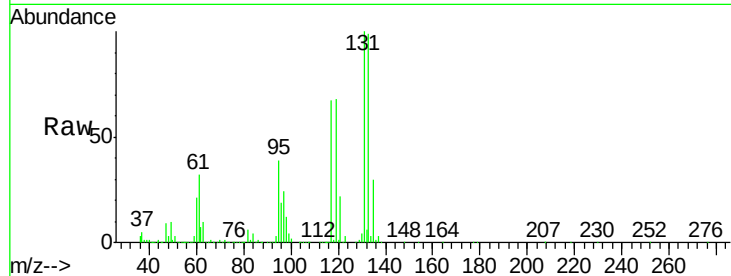
ClientSampleId :

VSTDICCC020

Tot Ion:	131	Resp:	91019
Ion	Ratio	Lower	Upper
131	100		
133	98.2	0.0	190.4
119	67.2	0.0	129.0

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#66

Ethyl Benzene

Concen: 18.474 ug/l

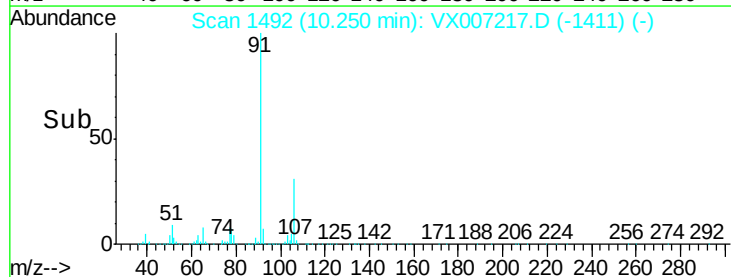
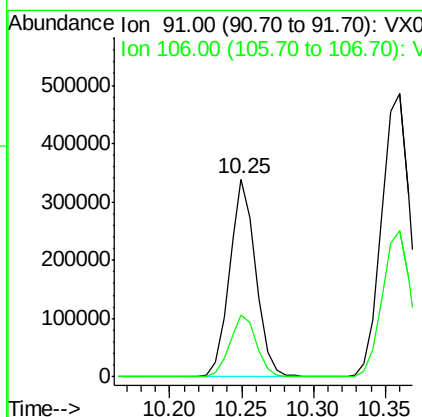
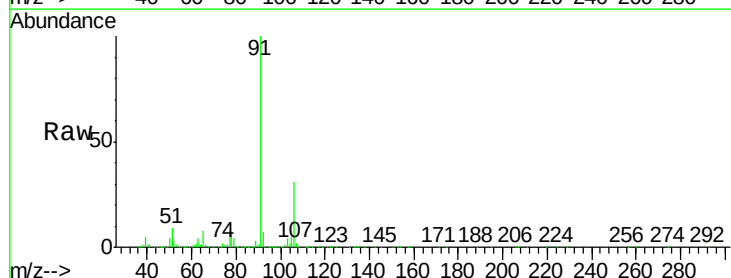
RT: 10.25 min Scan# 1492

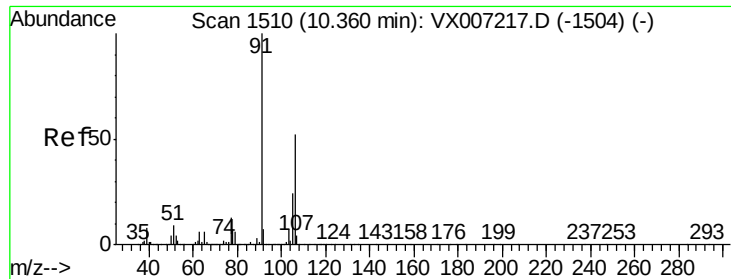
Delta R.T. -0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	91	Resp:	433055
Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.5	36.7





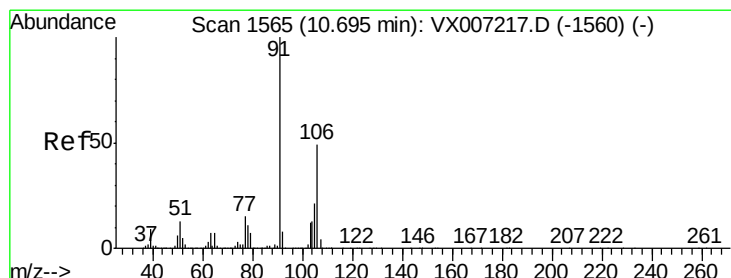
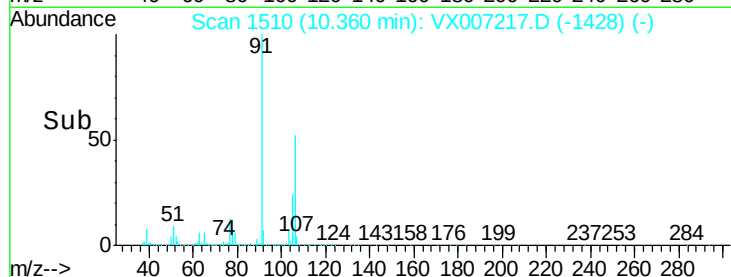
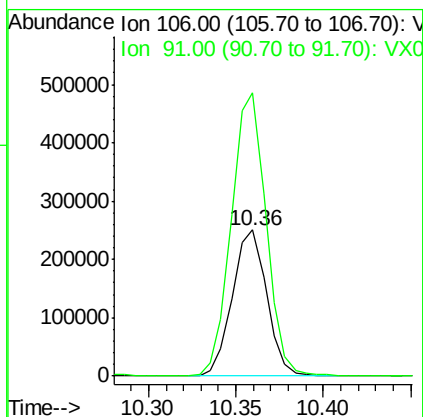
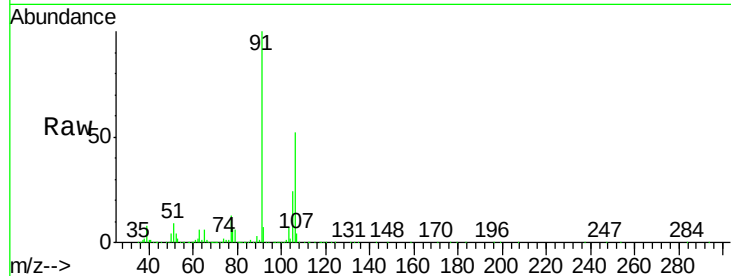
#67
m/p-Xylenes
Concen: 37.474 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	197.0	165.5	248.3

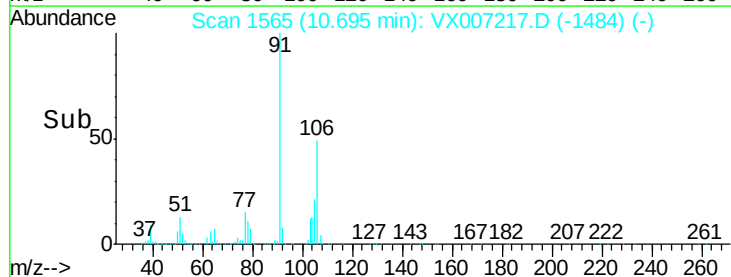
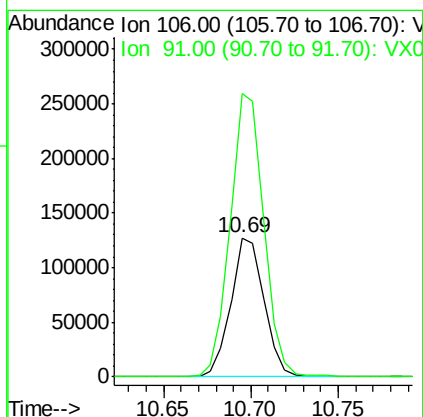
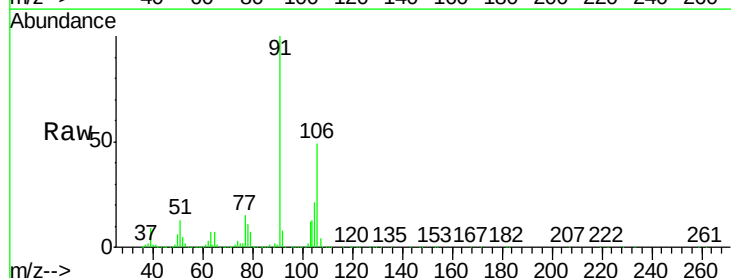
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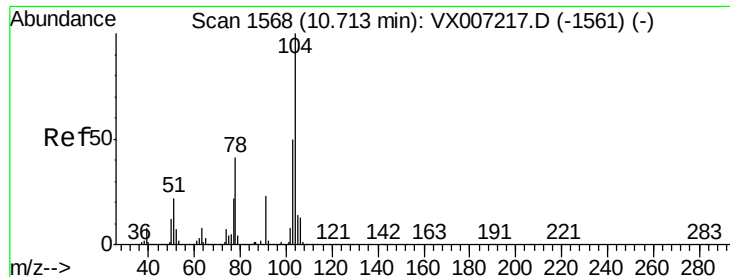
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#68
o-Xylene
Concen: 19.048 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.2	109.1	327.2





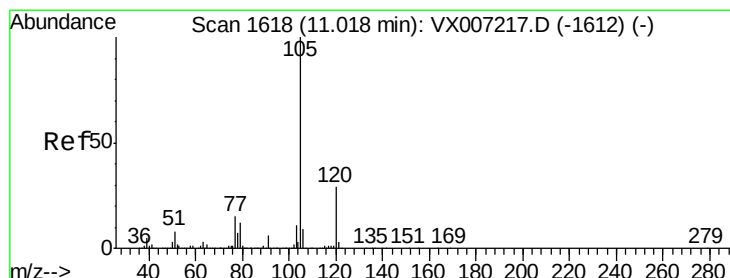
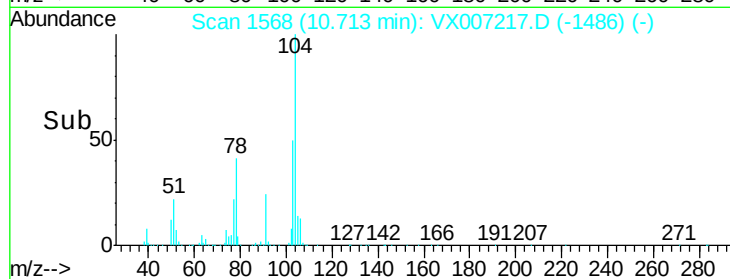
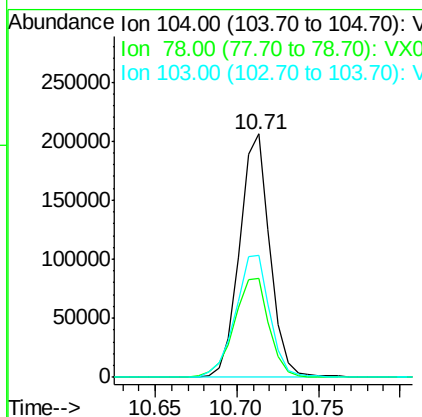
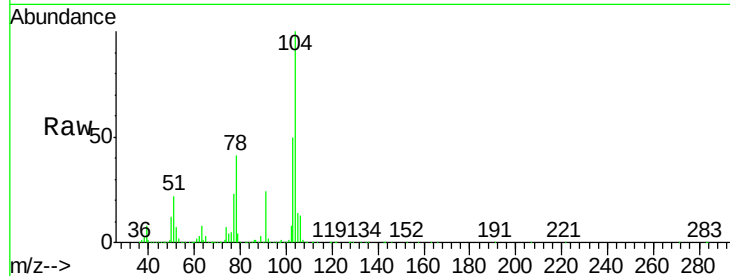
#69
Stvrene
Concen: 18.081 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.3	40.3	60.5
103	56.6	44.6	66.8

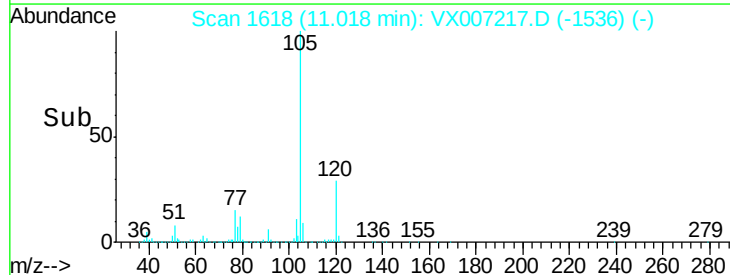
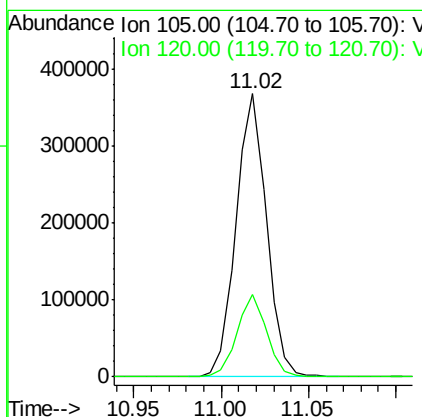
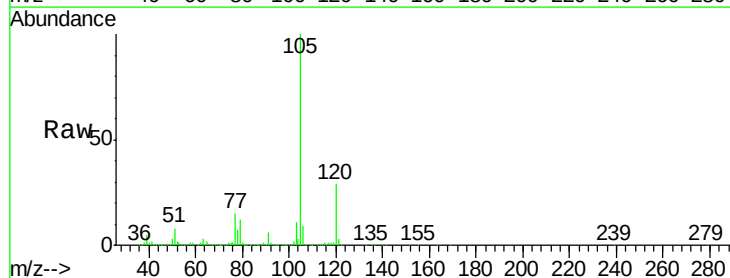
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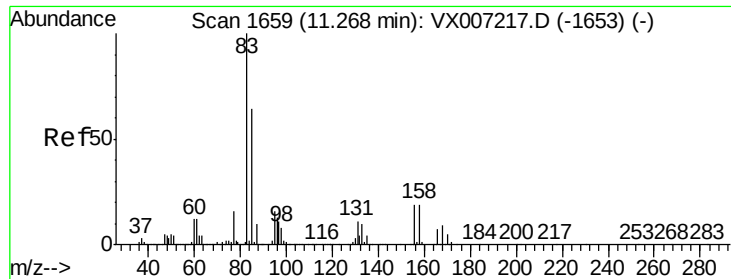
MMDadoda
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#70
Isopropylbenzene
Concen: 18.919 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.4	18.3	34.1





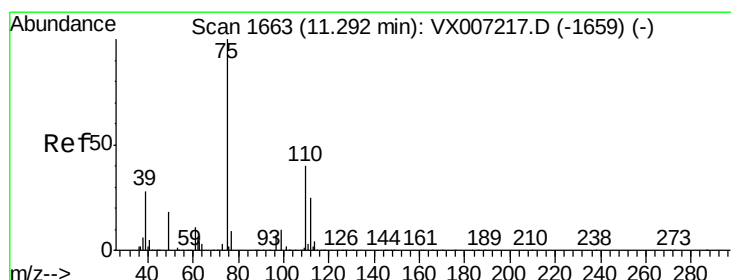
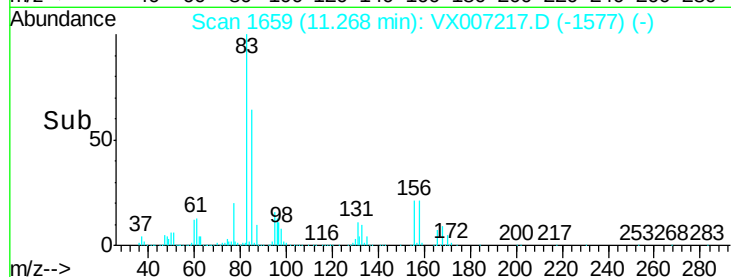
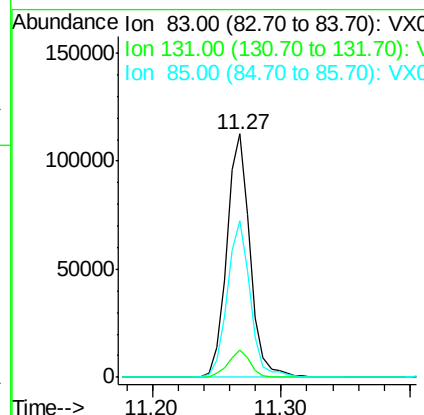
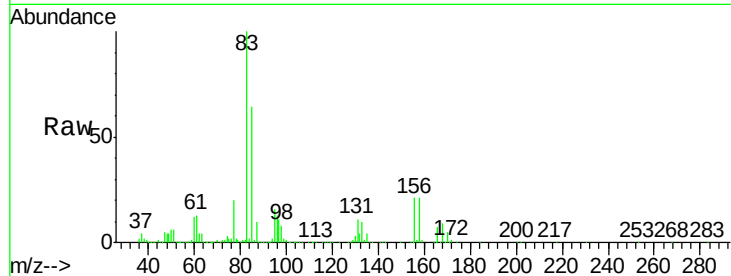
#71
 1,1,2,2-Tetrachloroethane
 Concen: 16.414 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.2
85	63.5	32.2	96.6

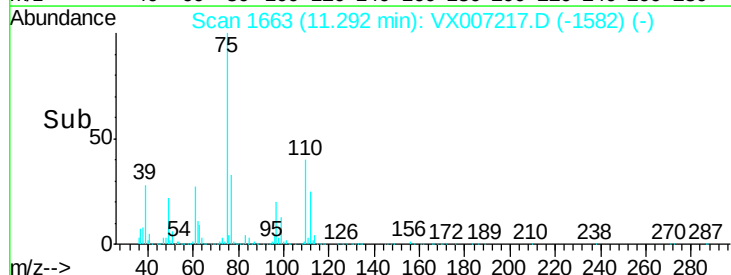
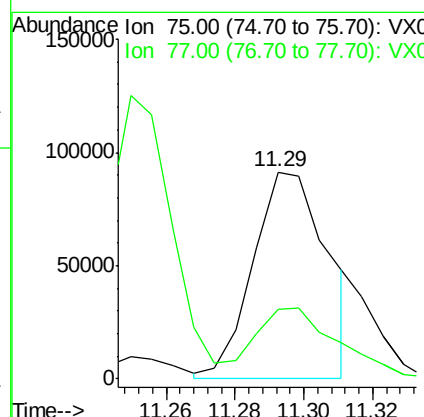
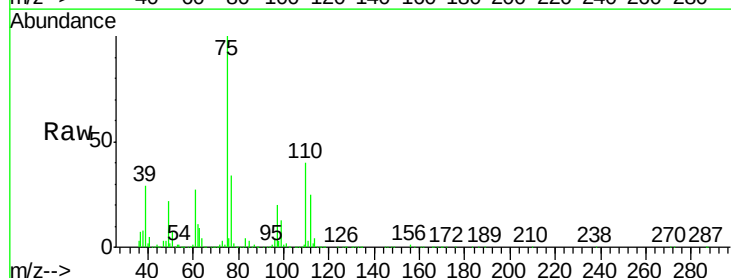
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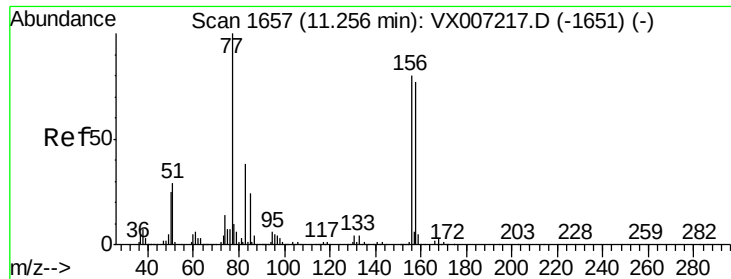
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#72
 1,2,3-Trichloropropane
 Concen: 17.218 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.6	0.0	81.2





#73

Bromobenzene

Concen: 18.913 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

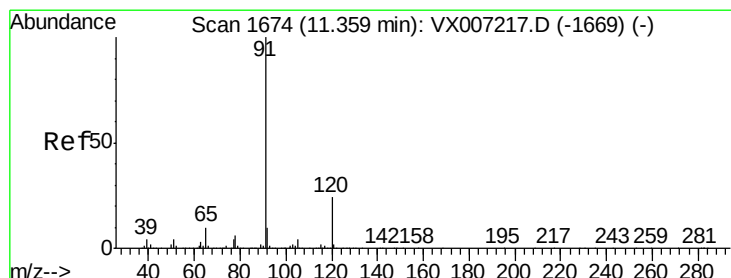
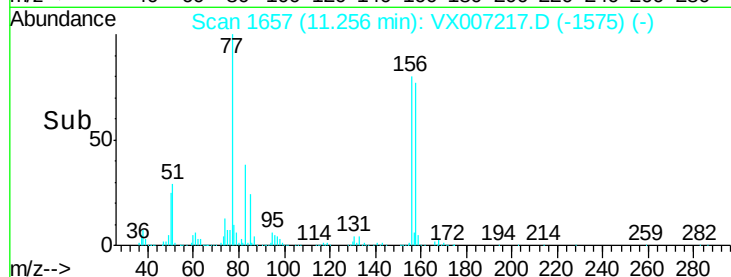
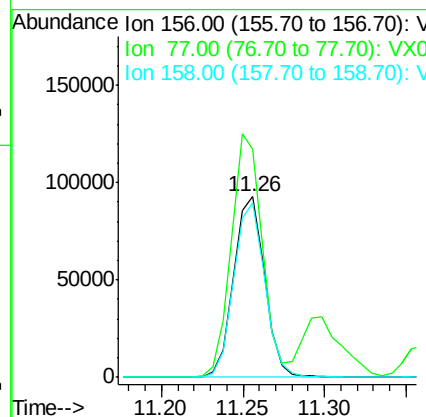
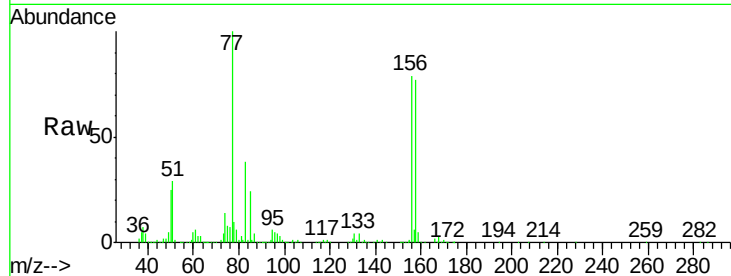
ClientSampleId :

VSTDICCC020

Tot Ion:	156	Resp:	122482
Ion Ratio	Lower	Upper	
156	100		
77	133.5	0.0	292.4
158	97.3	0.0	194.2

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#74

n-propylbenzene

Concen: 18.049 ug/l

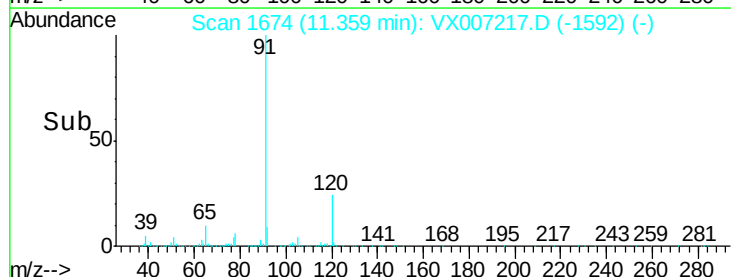
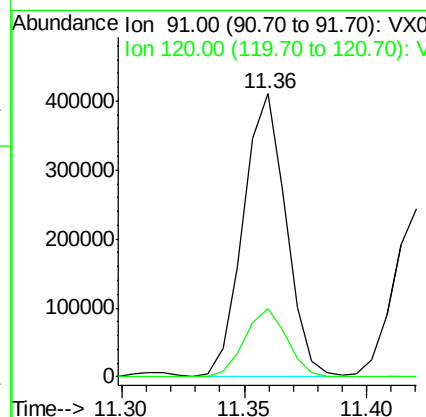
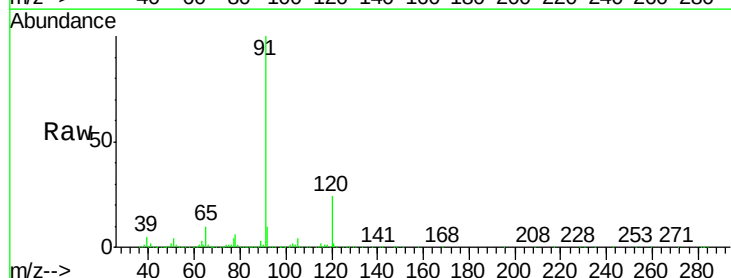
RT: 11.36 min Scan# 1674

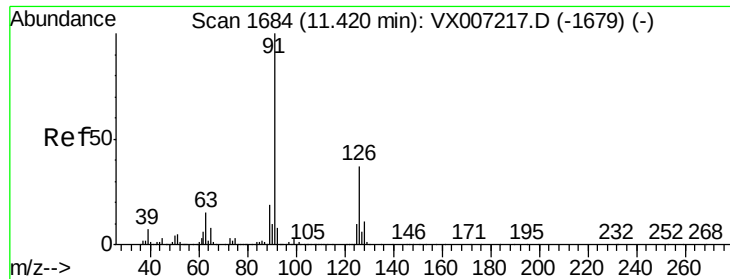
Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	91	Resp:	500311
Ion Ratio	Lower	Upper	
91	100		
120	24.0	0.0	45.4





#75

2-Chlorotoluene

Concen: 17.661 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 298568

Ion Ratio Lower Upper

91 100

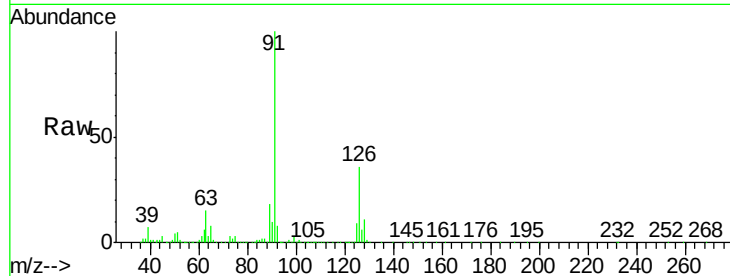
126 36.4 0.0 68.2

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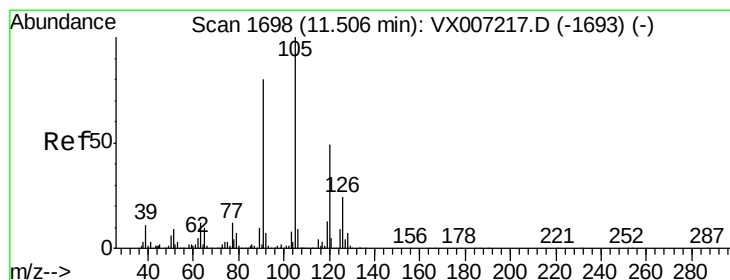
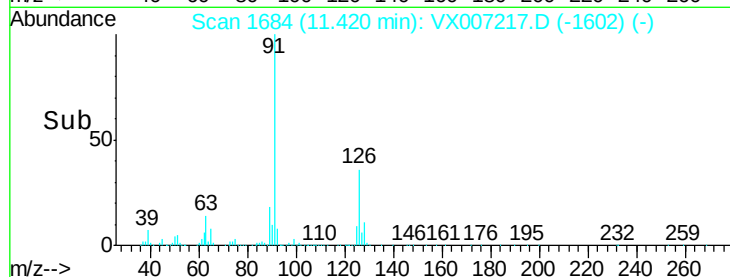
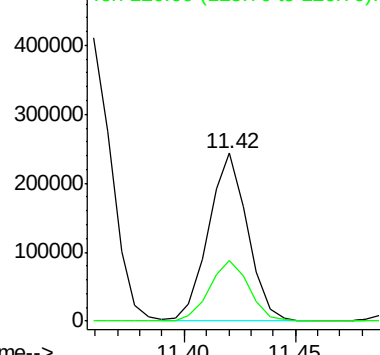
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 18.234 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007217.D

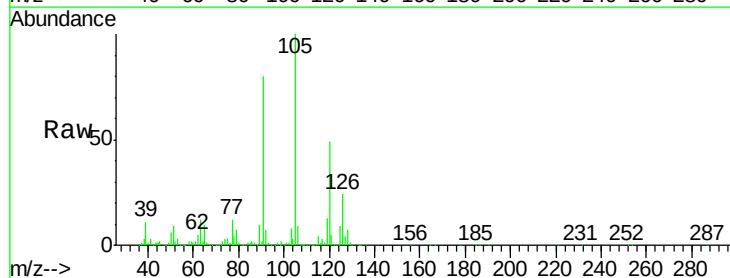
Acq: 25 Jan 2019 09:24

Tgt Ion: 105 Resp: 370655

Ion Ratio Lower Upper

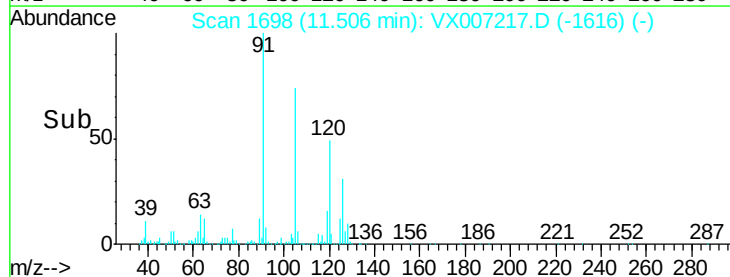
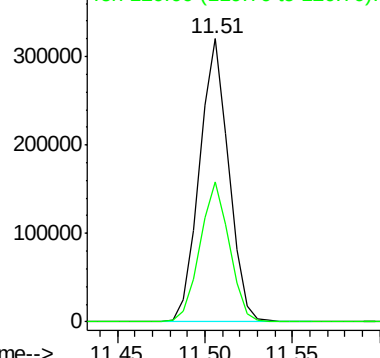
105 100

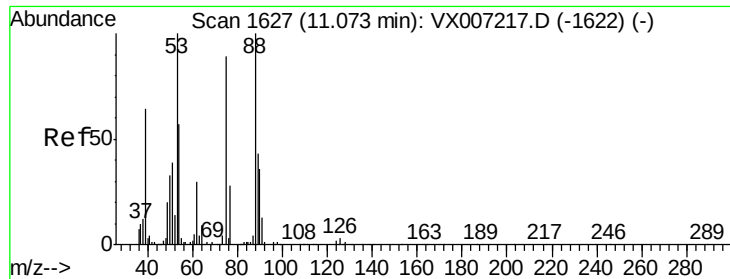
120 49.9 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 12.864 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

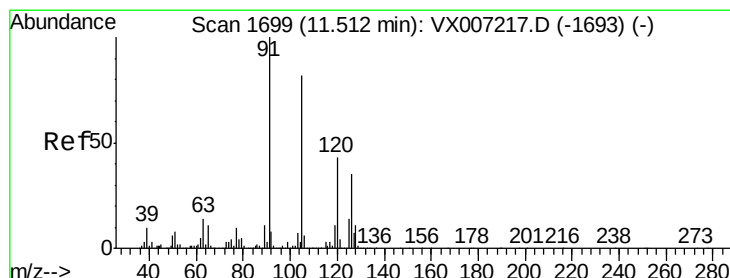
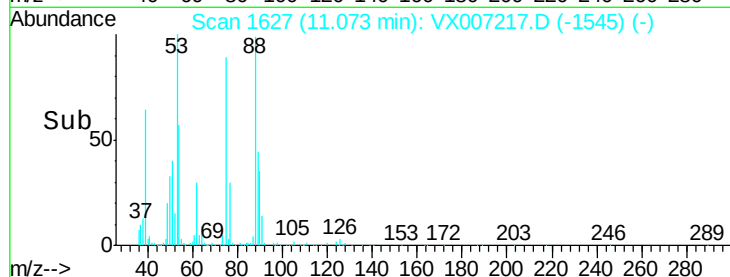
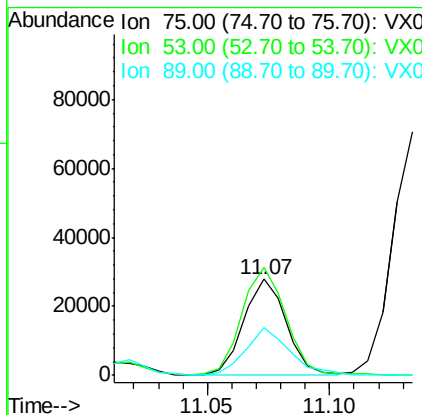
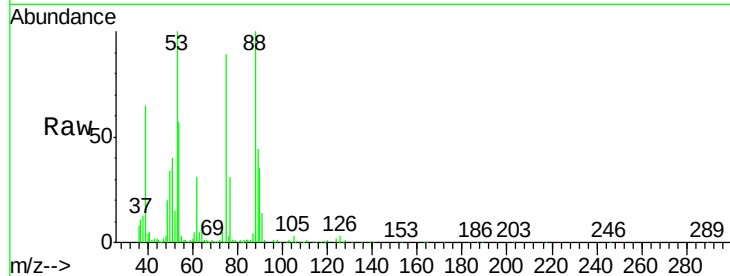
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	33717
Ion Ratio	Lower	Upper	
75	100		
53	111.7	50.3	150.9
89	48.3	22.6	67.8

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#78

4-Chlorotoluene

Concen: 17.526 ug/l

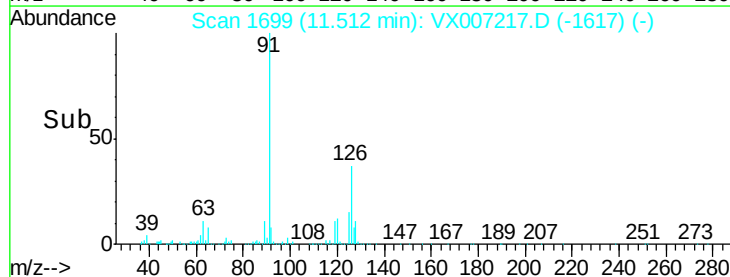
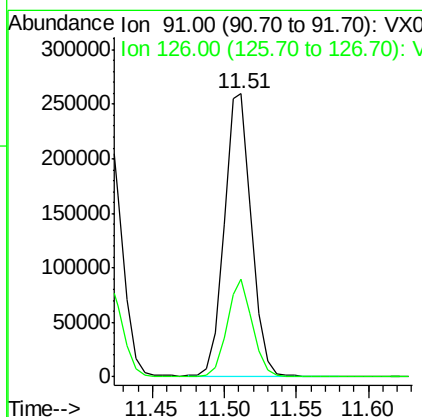
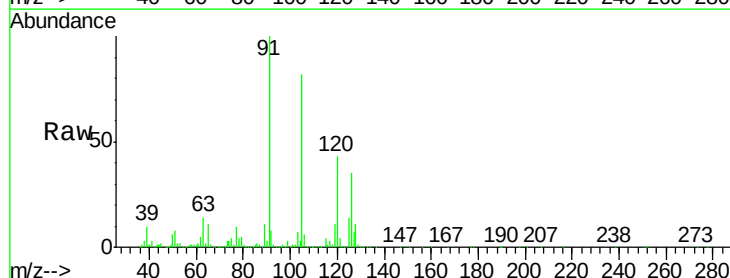
RT: 11.51 min Scan# 1699

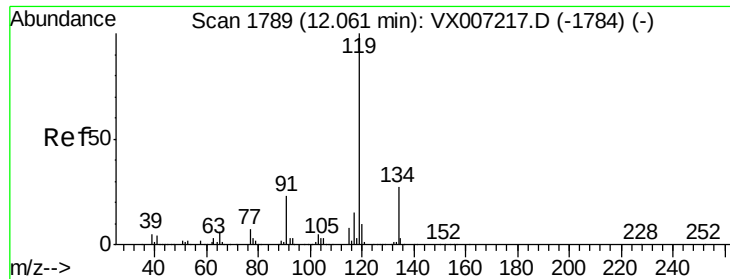
Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	91	Resp:	344396
Ion Ratio	Lower	Upper	
91	100		
126	31.9	0.0	61.0





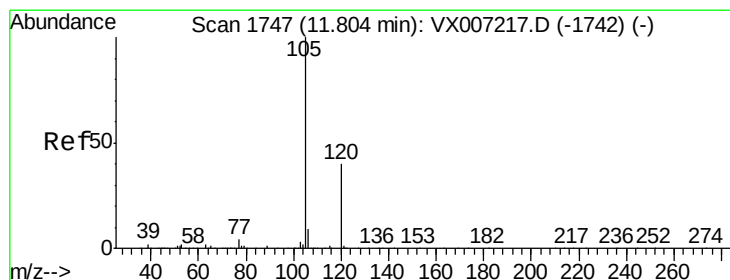
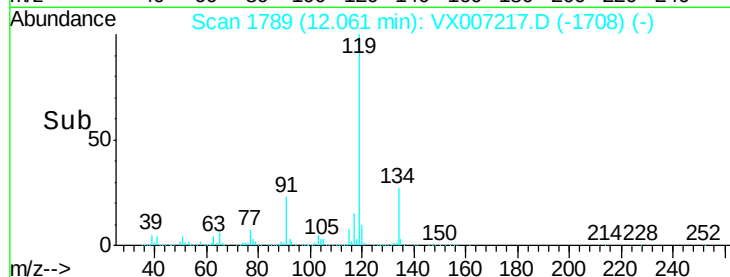
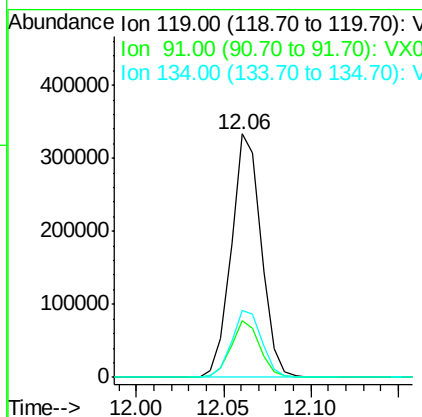
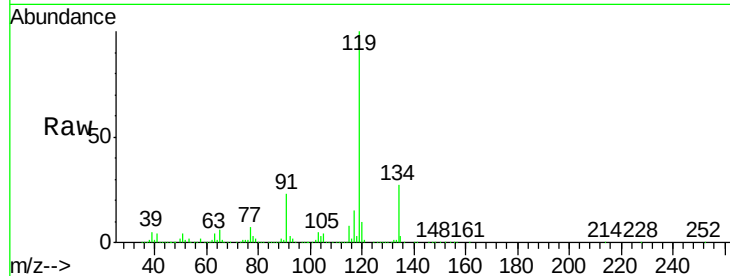
#79
tert-butylbenzene
Concen: 18.330 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	395440		
91	22.5	0.0	45.8	
134	27.9	0.0	52.8	

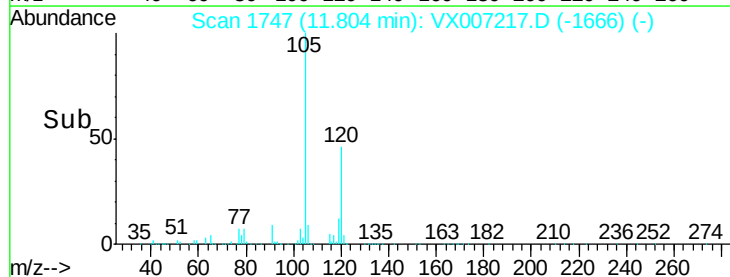
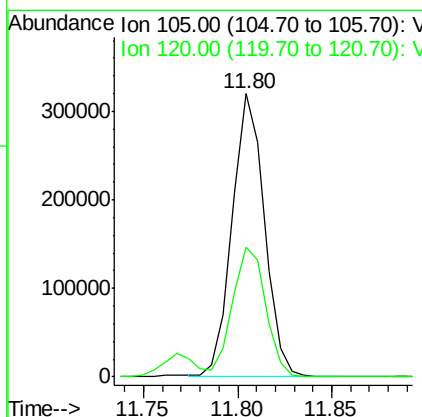
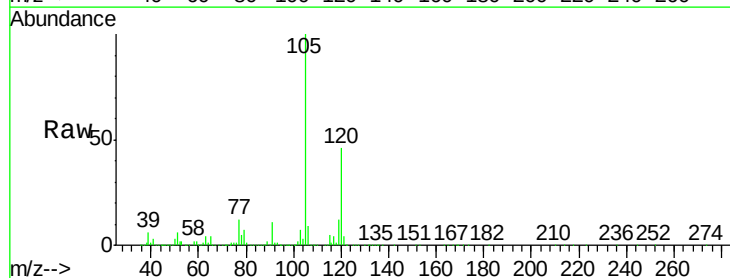
Manual Integrations
APPROVED

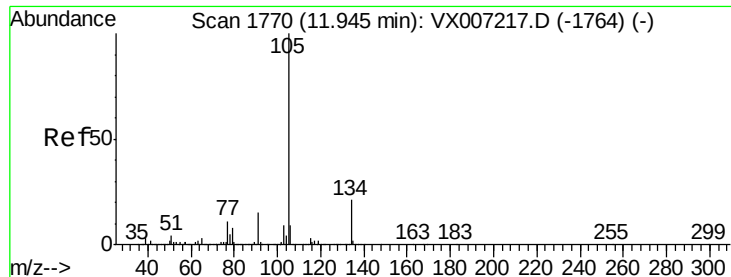
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.293 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	379224		
120	47.2	0.0	90.6	





#81

sec-Butylbenzene

Concen: 18.692 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:105 Resp: 448510

Ion Ratio Lower Upper

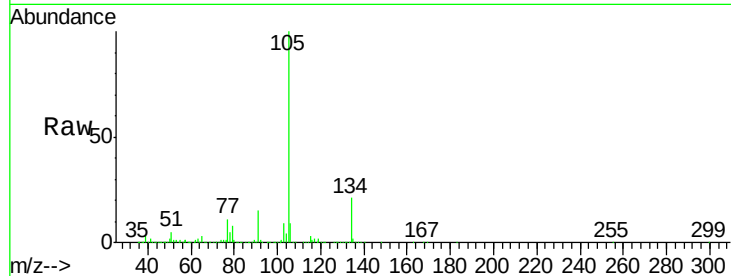
105 100

134 21.1 0.0 40.4

Manual Integrations
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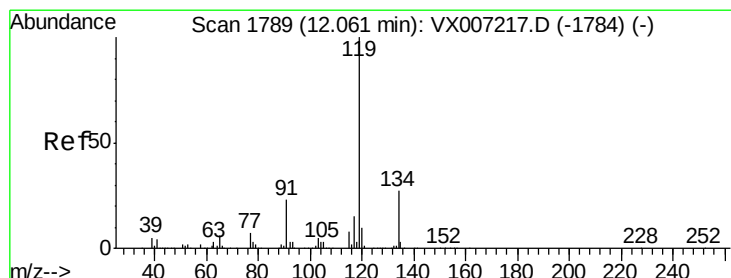
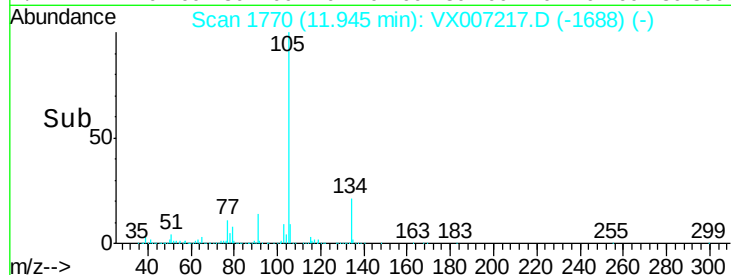
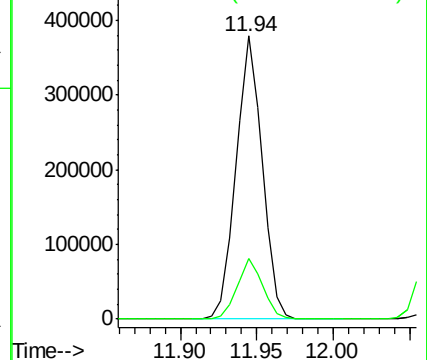
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.330 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

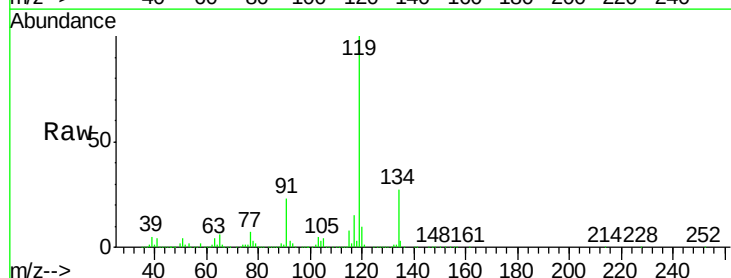
Tgt Ion:119 Resp: 395440

Ion Ratio Lower Upper

119 100

134 27.9 0.0 52.8

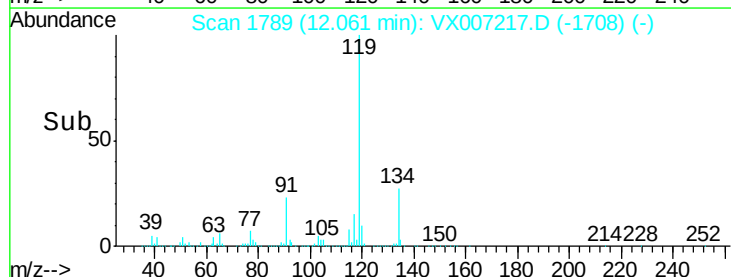
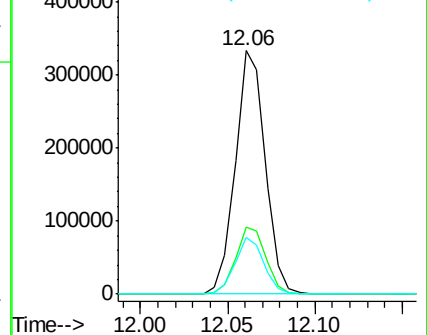
91 22.5 0.0 45.8

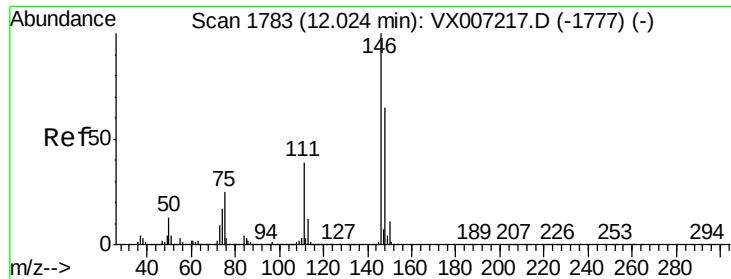


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





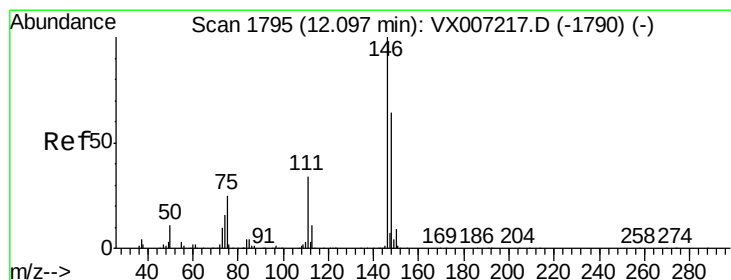
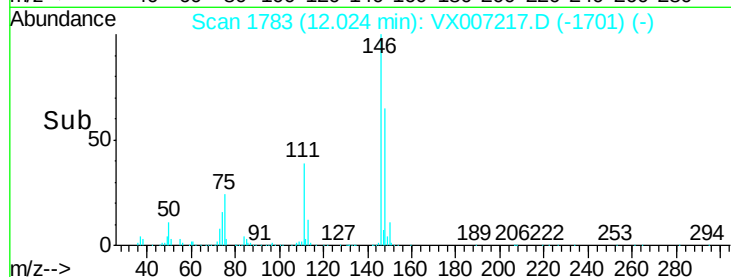
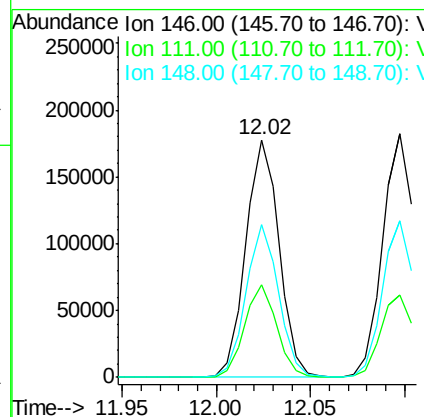
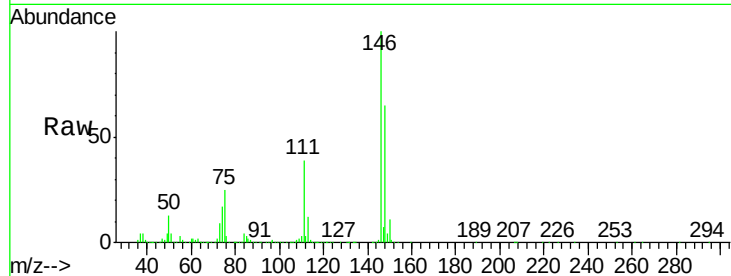
#83
 1,3-Dichlorobenzene
 Concen: 18.220 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.8
148	63.1	32.4	97.2

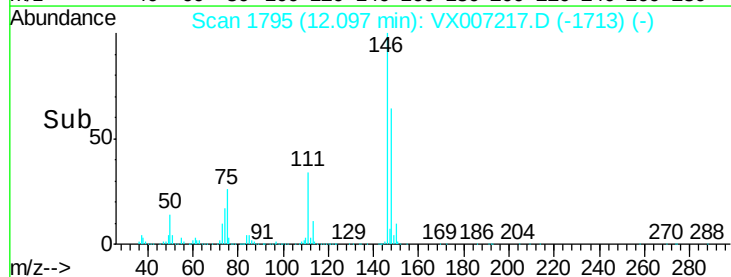
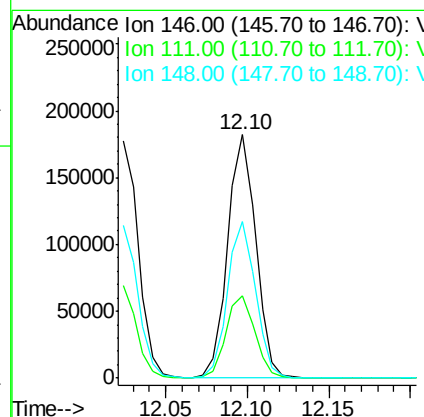
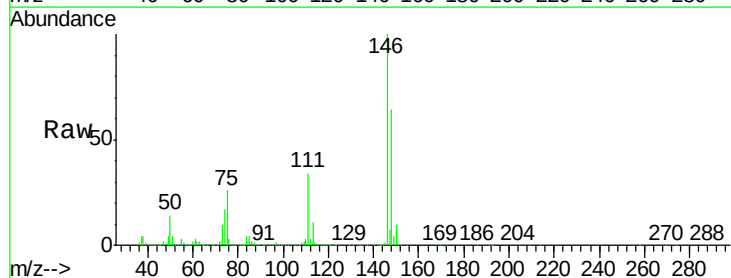
Manual Integrations
 APPROVED

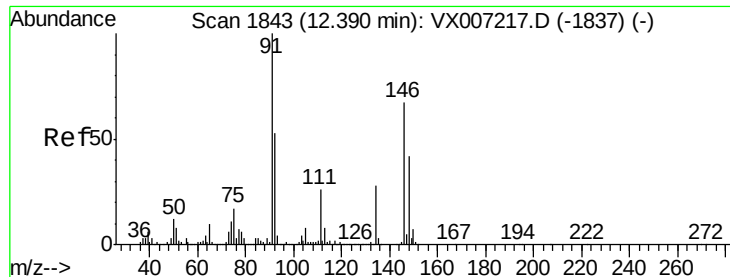
MMDadoda
 1/28/2019 12:05:03 PM



#84
 1,4-Dichlorobenzene
 Concen: 18.110 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	18.1	54.4
148	63.7	31.9	95.7





#85

n-Butylbenzene

Concen: 16.611 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Instrument :

MSVOA_X

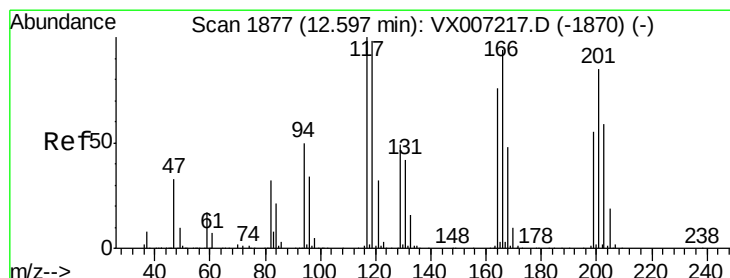
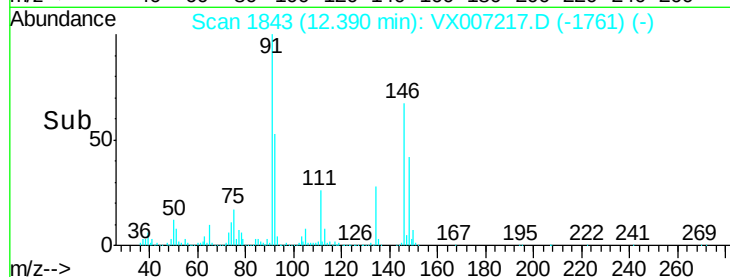
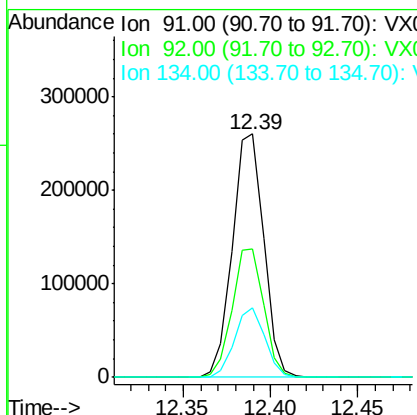
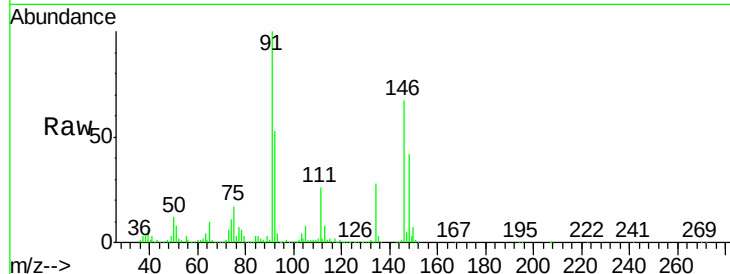
ClientSampleId :

VSTDICCC020

Tot Ion:	91	Resp:	325473
Ion Ratio	Lower	Upper	
91	100		
92	53.1	0.0	103.6
134	27.7	0.0	52.2

Manual Integrations
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#86

Hexachloroethane

Concen: 16.003 ug/l

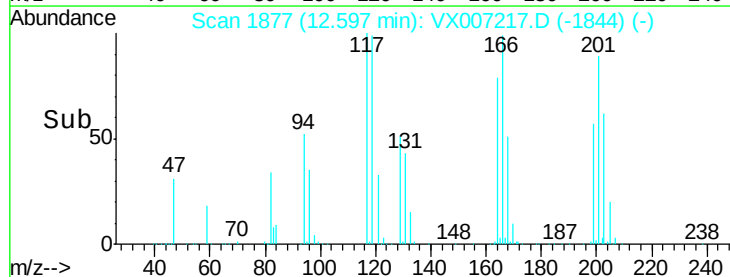
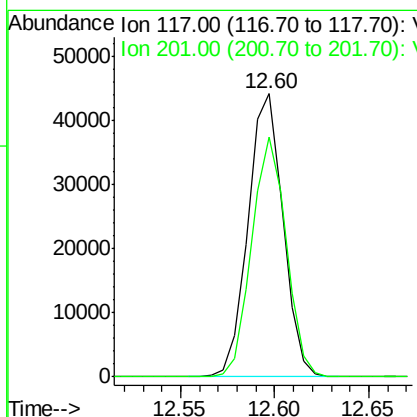
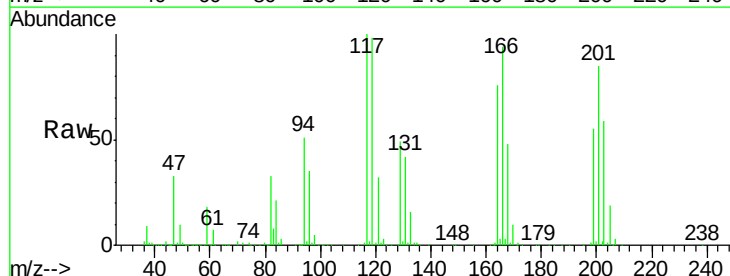
RT: 12.60 min Scan# 1877

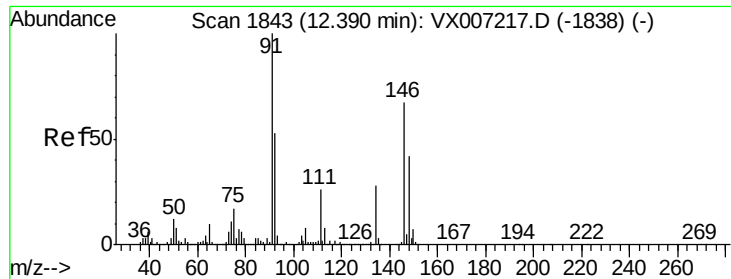
Delta R.T. 0.00 min

Lab File: VX007217.D

Acq: 25 Jan 2019 09:24

Tgt Ion:	117	Resp:	56868
Ion Ratio	Lower	Upper	
117	100		
201	83.2	47.1	141.4





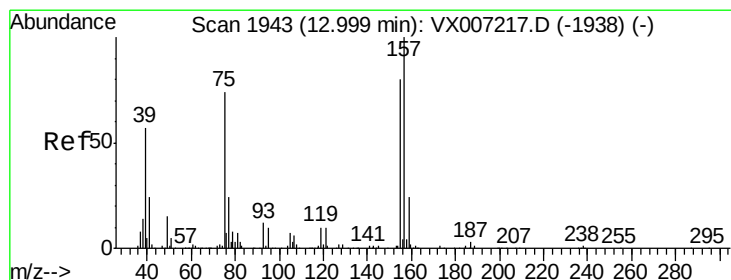
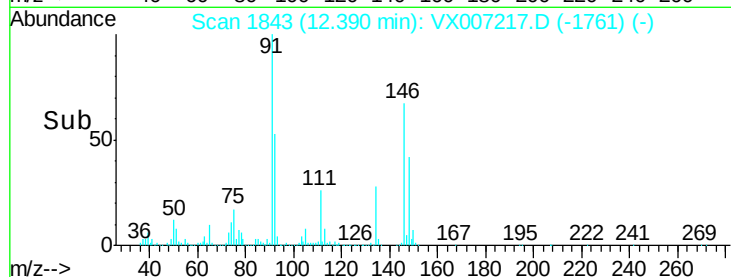
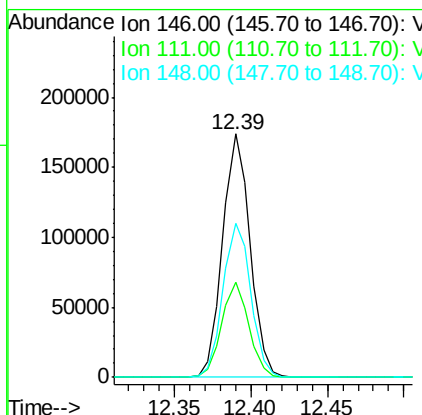
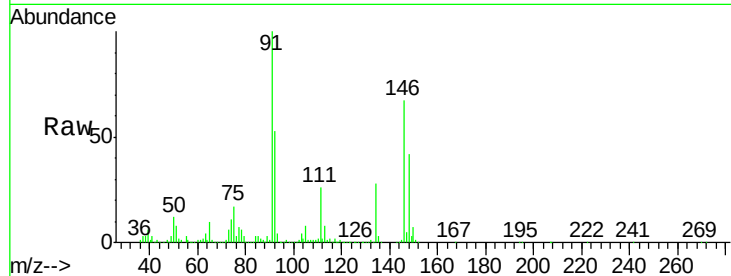
#87
 1,2-Dichlorobenzene
 Concen: 17.796 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	216635		
111	38.6	19.6	58.7	
148	64.0	31.9	95.9	

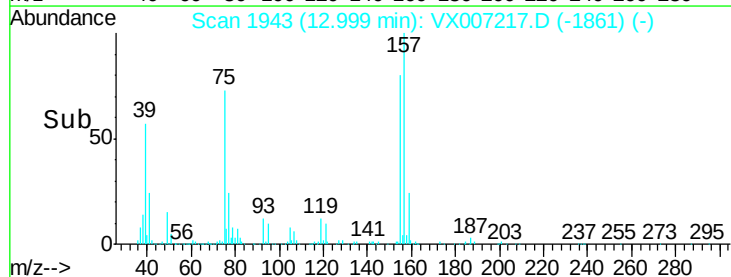
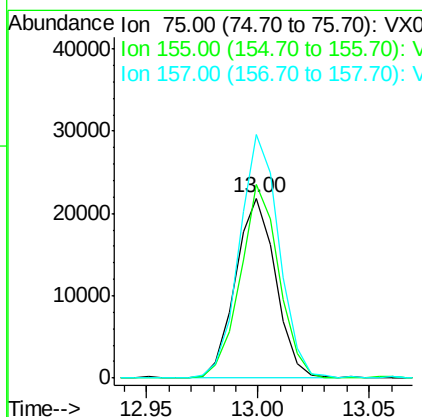
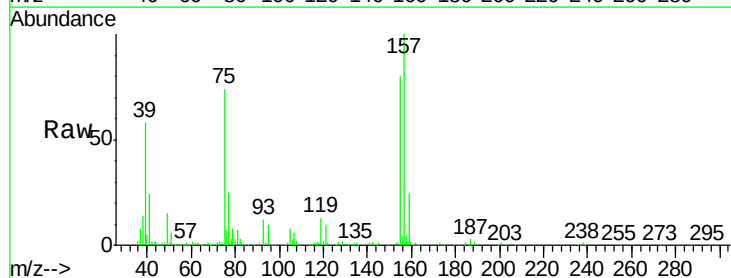
Manual Integrations
 APPROVED

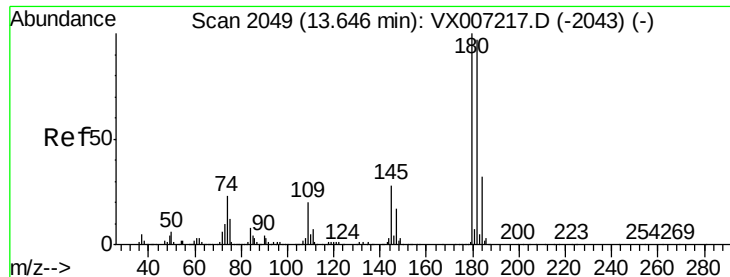
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 13.625 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27550		
155	103.5	71.6	107.4	
157	133.6	91.3	136.9	





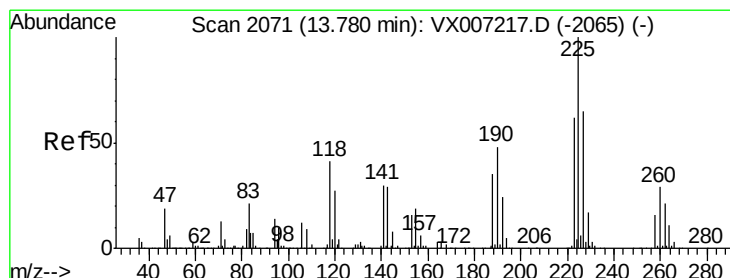
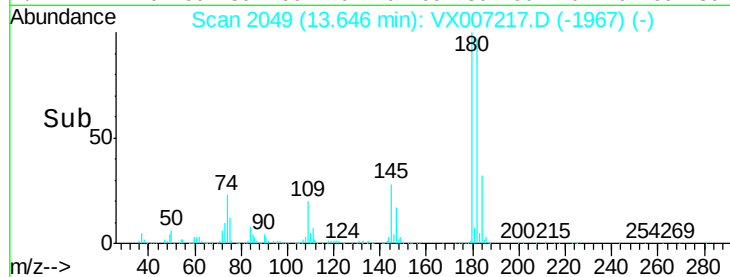
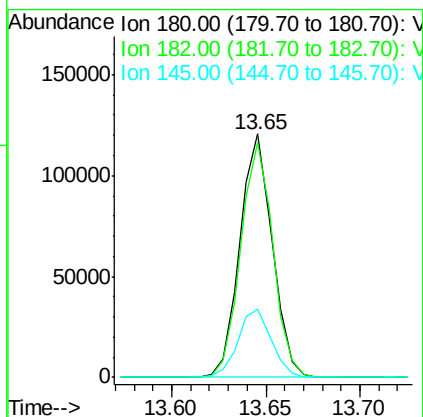
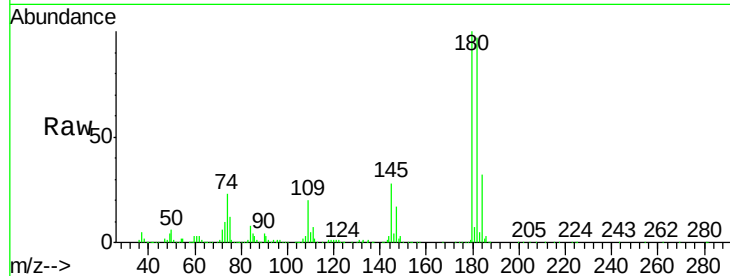
#89
 1,2,4-Trichlorobenzene
 Concen: 15.859 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
145	28.9	22.6	33.8

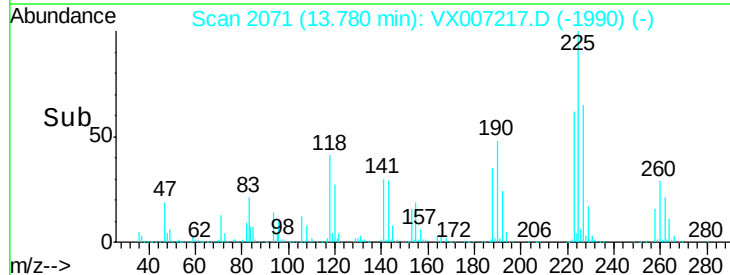
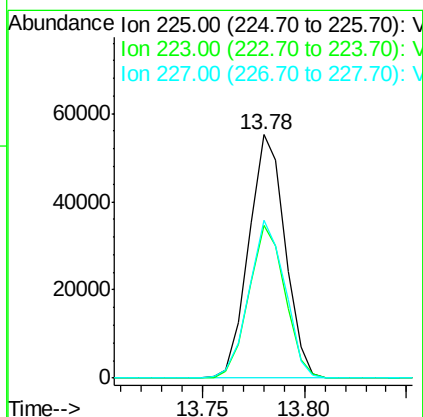
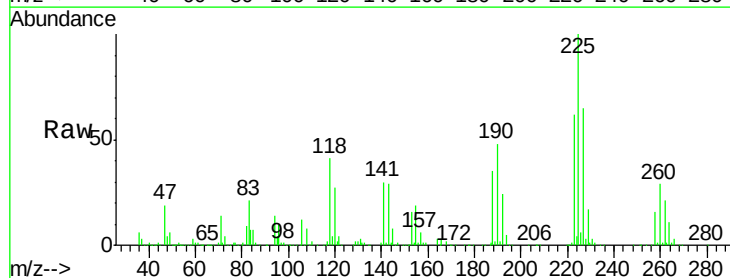
Manual Integrations
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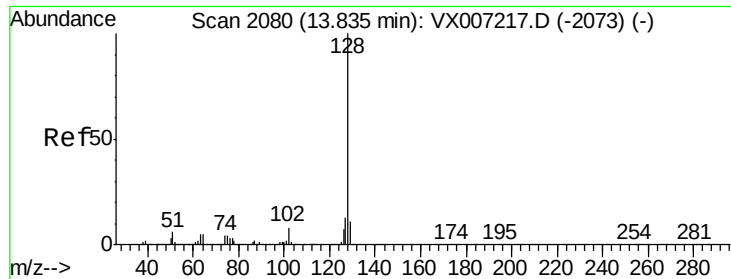
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#90
 Hexachlorobutadiene
 Concen: 15.302 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX007217.D
 Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	126.6
227	64.1	0.0	129.6





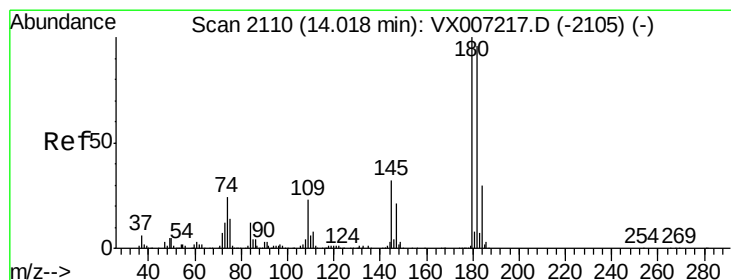
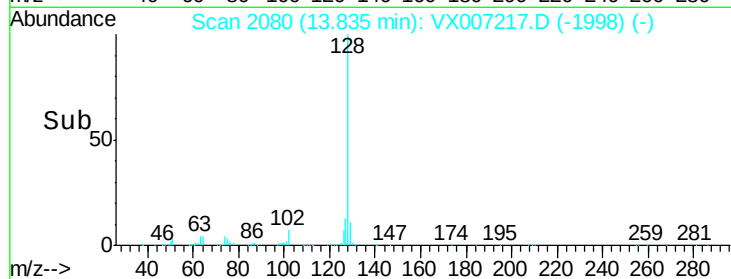
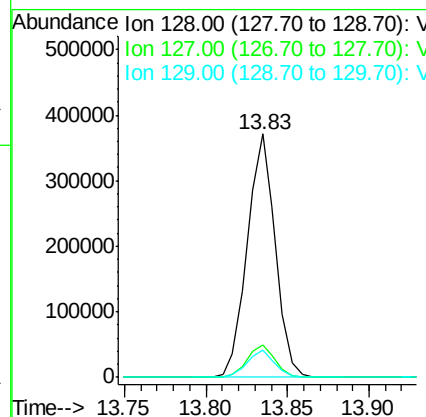
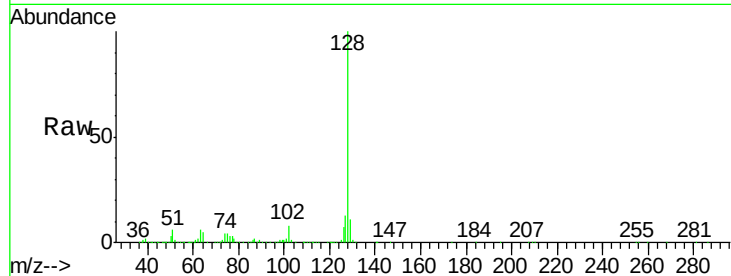
#91
Naphthalene
Concen: 15.715 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 15.670 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007217.D
Acq: 25 Jan 2019 09:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	0.0	192.2
145	31.0	0.0	60.4

