

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012519\
 Data File : VX007221.D
 Acq On : 25 Jan 2019 11:20
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Manual Integrations
 APPROVED

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 1/28/2019 12:05:22 PM

Quant Time: Jan 28 10:41:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	85472	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	469016	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	429559	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	170925	30.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.53%
60) 4-Bromofluorobenzene	11.13	95	205920	31.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.53%
63) Toluene-d8	8.71	98	569852	29.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	76454	19.928	ug/l 98
3) Chloromethane	1.33	50	91654	21.368	ug/l 98
4) Vinyl Chloride	1.41	62	100350	20.617	ug/l 98
5) Bromomethane	1.65	94	81990	16.161	ug/l 95
6) Chloroethane	1.73	64	64341	19.614	ug/l 97
7) Trichlorofluoromethane	1.93	101	165253	20.110	ug/l 98
8) Diethyl Ether	2.19	74	62885	20.245	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	99649	20.531	ug/l 99
10) 1,1-Dichloroethene	2.38	96	88499	20.062	ug/l 94
11) Methyl Iodide	2.51	142	117051	16.355	ug/l 95
12) Methyl Acetate	2.78	43	150752	20.066	ug/l 98
13) Acrolein	2.29	56	52189	95.954	ug/l 96
14) Acrylonitrile	3.15	53	287617	102.256	ug/l 100
15) Acetone	2.45	58	86586	108.303	ug/l 96
16) Carbon Disulfide	2.57	76	211778	19.910	ug/l 97
17) Allyl chloride	2.73	41	156604	20.418	ug/l 99
18) Methylene Chloride	2.86	84	103646	20.385	ug/l 94
19) trans-1,2-Dichloroethene	3.17	96	96007	20.099	ug/l 98
20) Diisopropyl ether	3.87	45	287429	20.129	ug/l 97
21) 1,1-Dichloroethane	3.70	63	170442	20.899	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	105151	20.017	ug/l 99
23) tert-Butyl Alcohol	3.06	59	134245	113.572	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	315345	20.408	ug/l 98
25) Chloroform	5.21	83	166858	19.795	ug/l 94
26) Cyclohexane	5.57	56	141324	20.575	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	122361	20.013	ug/l 99
30) 2-Butanone	4.70	43	379466	103.870	ug/l # 97
31) 2,2-Dichloropropane	4.59	77	122066	19.761	ug/l 100
32) 1,1,1-Trichloroethane	5.50	97	139934	19.366	ug/l 99
33) Carbon Tetrachloride	5.78	117	124029	19.527	ug/l 95
34) Benzene	6.14	78	369383	19.586	ug/l 99
35) Methacrylonitrile	5.06	41	76002	20.381	ug/l 93
36) 1,2-Dichloroethane	6.20	62	128331	19.720	ug/l 100
37) Trichloroethene	7.21	130	110442	19.861	ug/l 96
38) Methylcyclohexane	7.46	83	156463	20.192	ug/l 98
39) 1,2-Dichloropropane	7.51	63	93972	19.869	ug/l 99
40) Dibromomethane	7.66	93	68801	20.195	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	113030	18.904	ug/l	94
42) Vinyl Acetate	3.82	43	1215461	98.127	ug/l	100
43) Ethyl Acetate	4.85	43	132888	19.494	ug/l	100
44) Isopropyl Acetate	6.46	43	210306	19.753	ug/l	98
45) 1,4-Dioxane	7.75	88	53579	415.286	ug/l	98
46) Methyl methacrylate	7.77	41	106327	19.532	ug/l	97
47) n-amyl Acetate	10.90	43	197289	21.074	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	126060	19.331	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	140986	19.461	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	102408	20.028	ug/l	93
51) Ethyl methacrylate	9.18	69	145054	19.853	ug/l	97
52) 1,3-Dichloropropane	9.37	76	161508	19.726	ug/l	97
53) Dibromochloromethane	9.58	129	98066	18.975	ug/l	97
54) 1,2-Dibromoethane	9.67	107	108081	19.634	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	392295	97.602	ug/l	99
56) Bromoform	10.85	173	73434	18.713	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	721622	100.463	ug/l	99
59) 2-Hexanone	9.49	43	570272	102.594	ug/l	99
61) Tetrachloroethene	9.34	164	113946	19.031	ug/l	97
62) Toluene	8.78	91	424484	19.632	ug/l	100
64) Chlorobenzene	10.14	112	288784	20.246	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.22	131	97865	19.370	ug/l	98
66) Ethyl Benzene	10.25	91	471044	20.107	ug/l	97
67) m/p-Xylenes	10.36	106	369355	39.924	ug/l	100
68) o-Xylene	10.69	106	182572	20.145	ug/l	97
69) Styrene	10.71	104	294742	20.159	ug/l	99
70) Isopropylbenzene	11.02	105	487502	20.319	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	157588	20.515	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	128991m	17.860	ug/l	
73) Bromobenzene	11.26	156	133872	20.159	ug/l	99
74) n-propylbenzene	11.36	91	554136	20.522	ug/l	99
75) 2-Chlorotoluene	11.42	91	326887	20.414	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	408376	20.394	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	37692	17.963	ug/l	98
78) 4-Chlorotoluene	11.51	91	378605	20.307	ug/l	98
79) tert-butylbenzene	12.06	119	447962	20.676	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	414310	20.434	ug/l	99
81) sec-Butylbenzene	11.94	105	502349	20.805	ug/l	100
82) p-Isopropyltoluene	12.06	119	447962	20.676	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	244409	20.705	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	243358	20.605	ug/l	98
85) n-Butylbenzene	12.39	91	375708	20.206	ug/l	99
86) Hexachloroethane	12.60	117	62685	18.713	ug/l	90
87) 1,2-Dichlorobenzene	12.39	146	243328	20.702	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	32883	21.002	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	178051	22.065	ug/l	99
90) Hexachlorobutadiene	13.79	225	81446	21.163	ug/l	99
91) Naphthalene	13.83	128	539322	22.080	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	176440	22.052	ug/l	98

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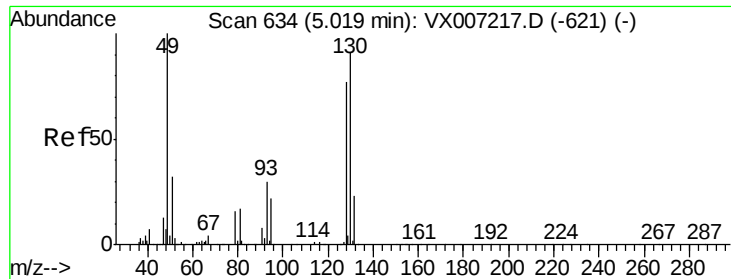
Manual Integrations
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Response via : Initial Calibration

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: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

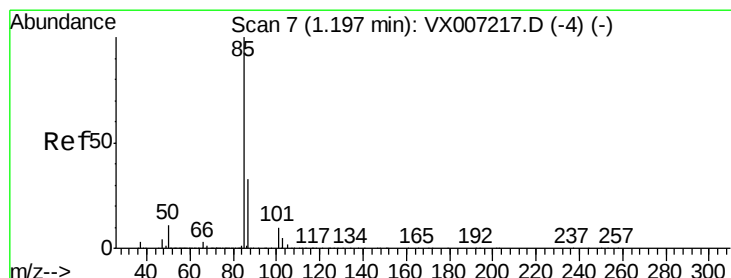
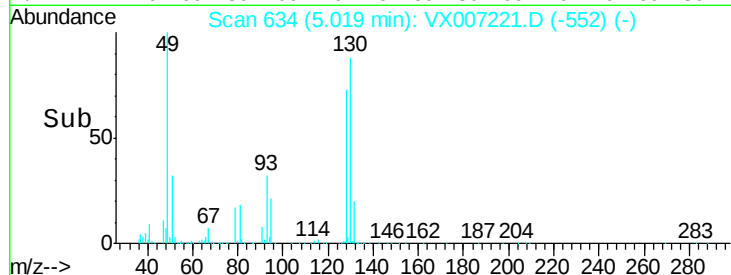
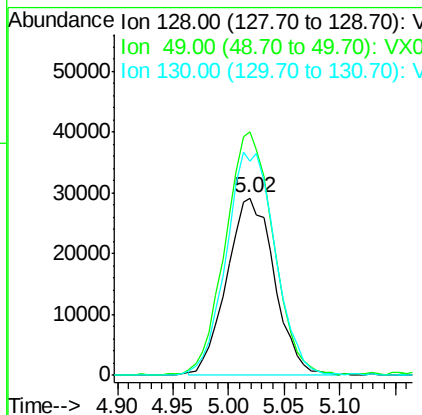
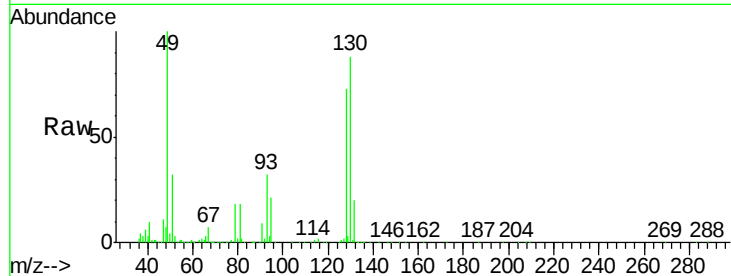
ClientSampleId :

VSTDICV020

Tot Ion:	128	Resp:	85472
Ion	Ratio	Lower	Upper
128	100		
49	138.7	0.0	345.5
130	131.8	0.0	320.0

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#2

Dichlorodifluoromethane

Concen: 19.928 ug/l

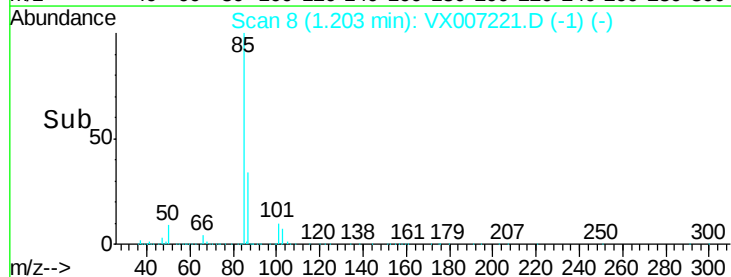
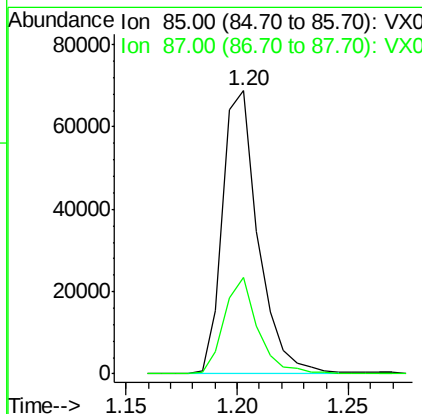
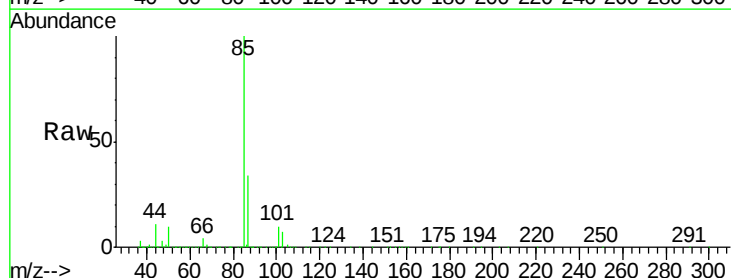
RT: 1.20 min Scan# 8

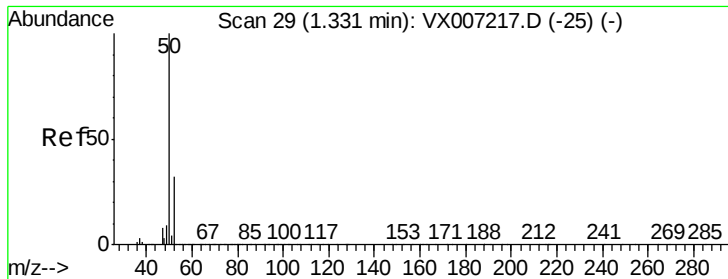
Delta R.T. 0.01 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	85	Resp:	76454
Ion	Ratio	Lower	Upper
85	100		
87	34.1	16.4	49.1





#3

Chloromethane

Concen: 21.368 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampled :

VSTDICV020

Tot Ion: 50 Resp: 91654

Ion Ratio Lower Upper

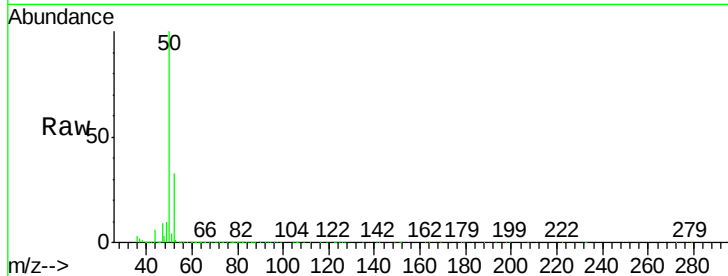
50 100

52 33.0 25.7 38.5

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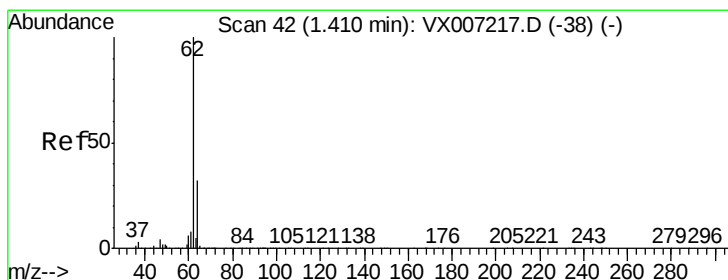
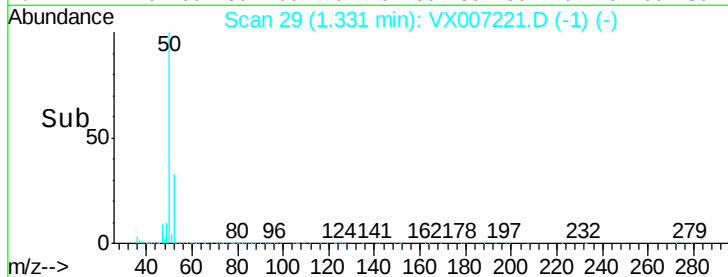
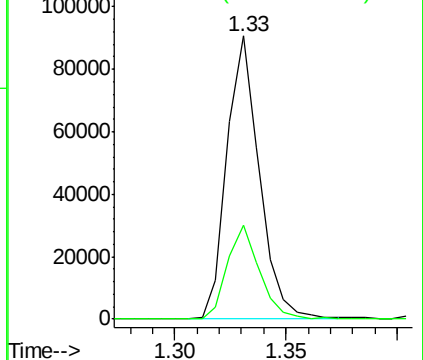
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 20.617 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007221.D

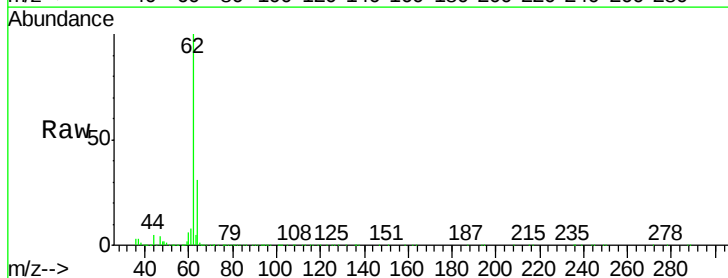
Acq: 25 Jan 2019 11:20

Tgt Ion: 62 Resp: 100350

Ion Ratio Lower Upper

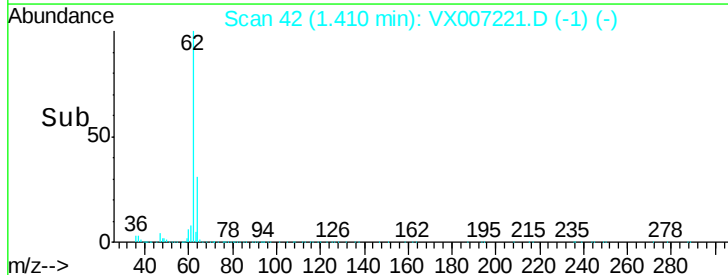
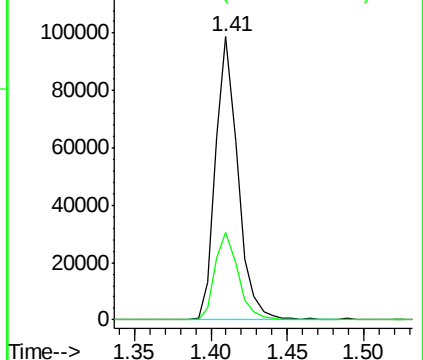
62 100

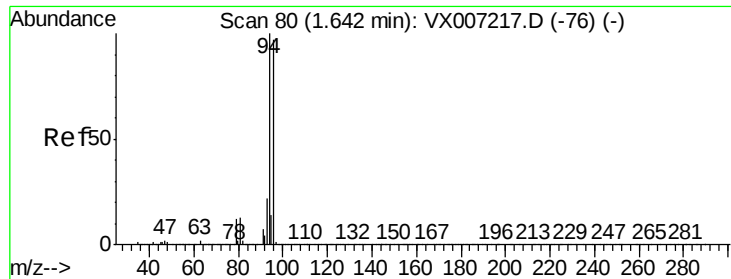
64 30.9 25.5 38.3



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 16.161 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion: 94 Resp: 81990

Ion Ratio Lower Upper

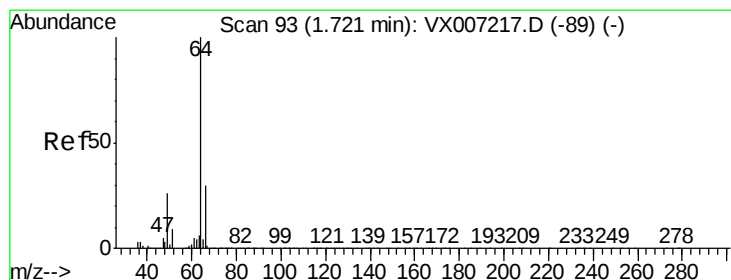
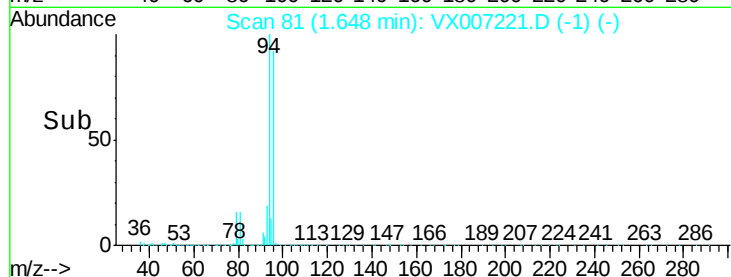
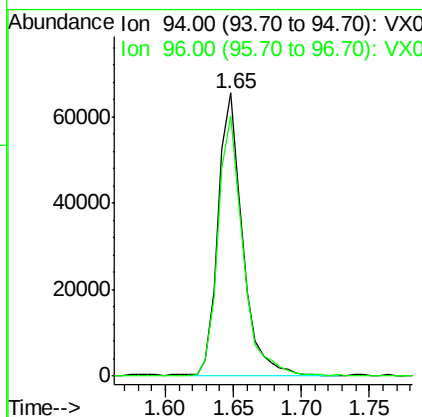
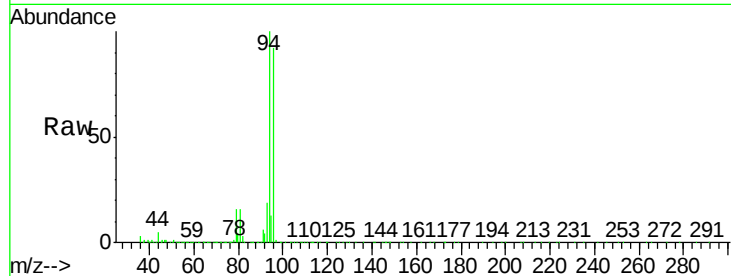
94 100

96 91.9 77.4 116.2

Manual Integrations
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#6

Chloroethane

Concen: 19.614 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX007221.D

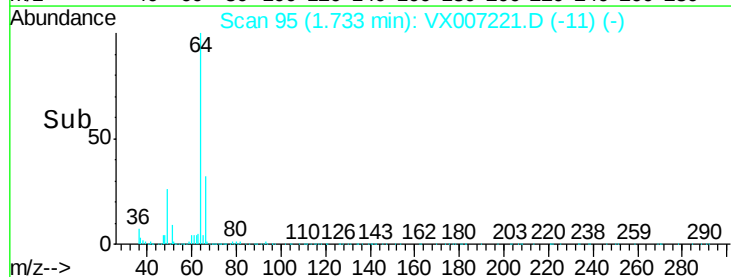
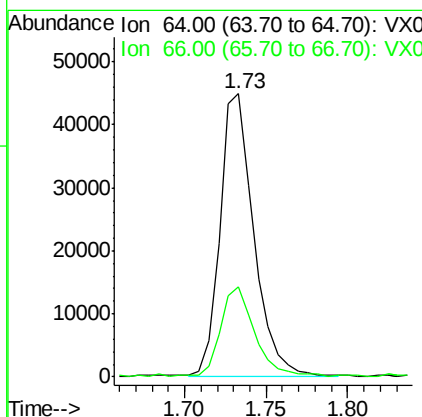
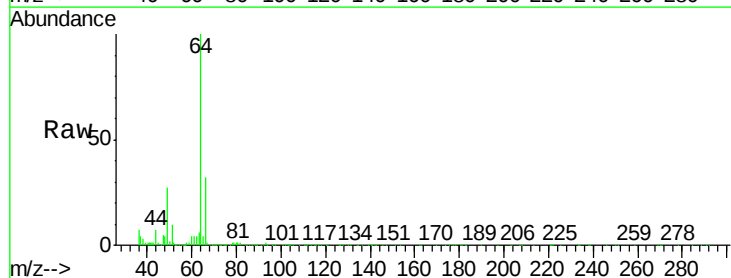
Acq: 25 Jan 2019 11:20

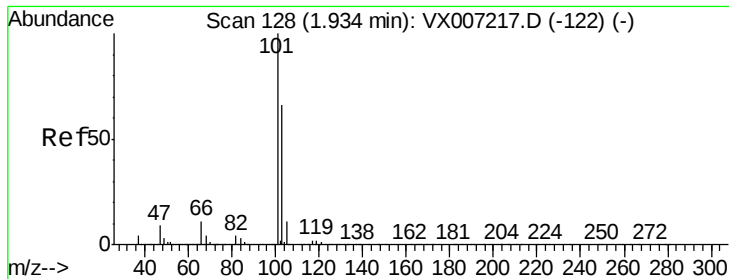
Tgt Ion: 64 Resp: 64341

Ion Ratio Lower Upper

64 100

66 31.6 24.2 36.2





#7

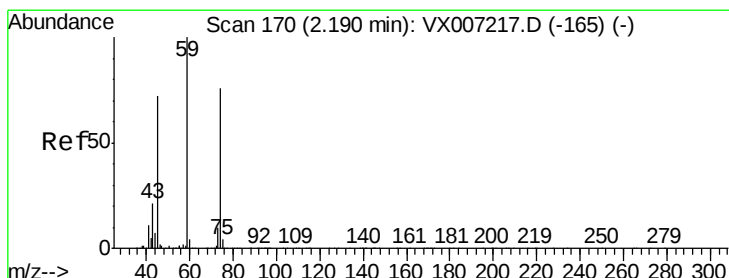
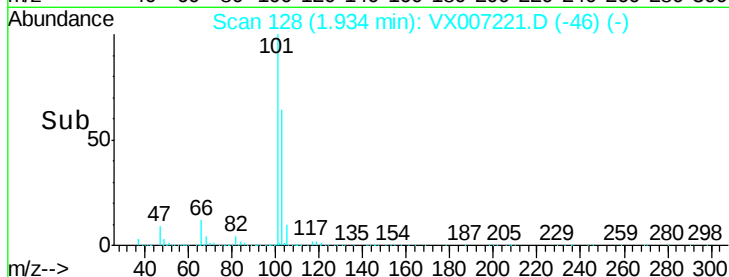
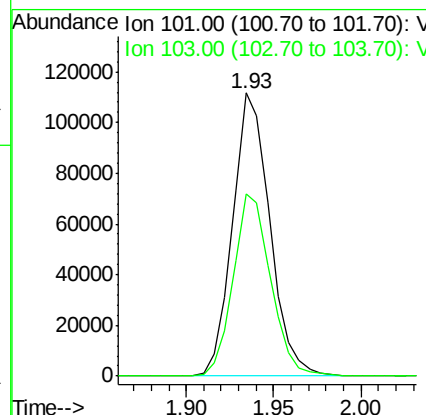
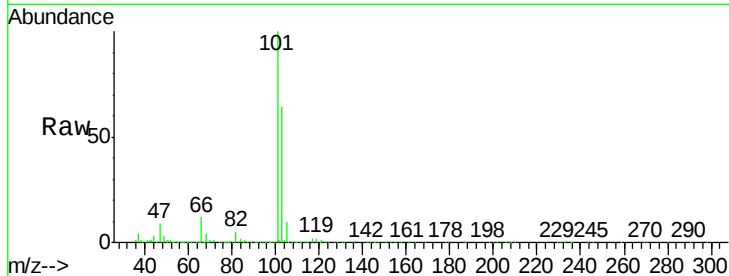
Trichlorofluoromethane
Concen: 20.110 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX007221.D
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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	64.2	52.6	78.8	

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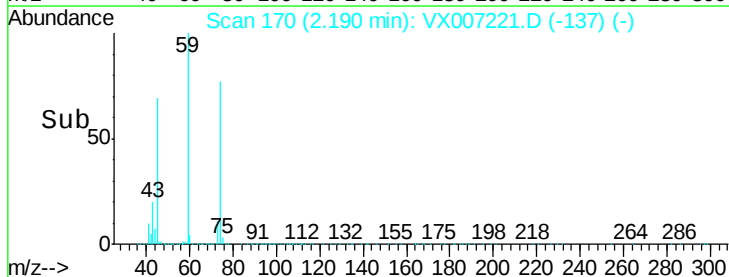
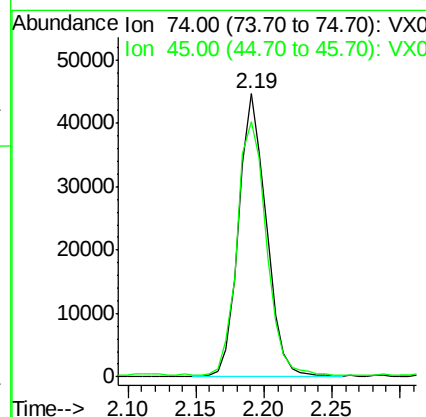
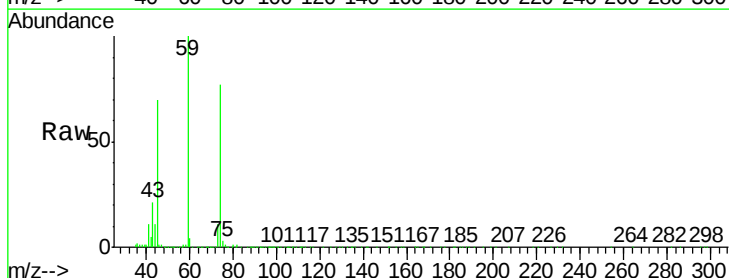
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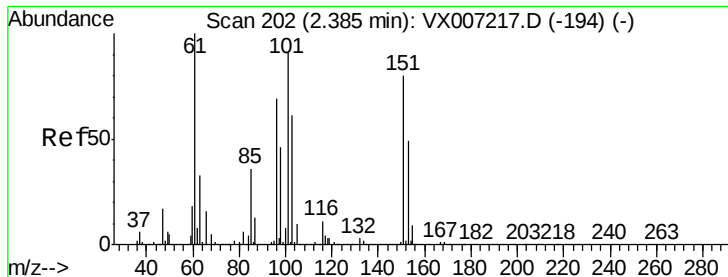


#8

Diethyl Ether
Concen: 20.245 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	96.5	18.6	167.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.531 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

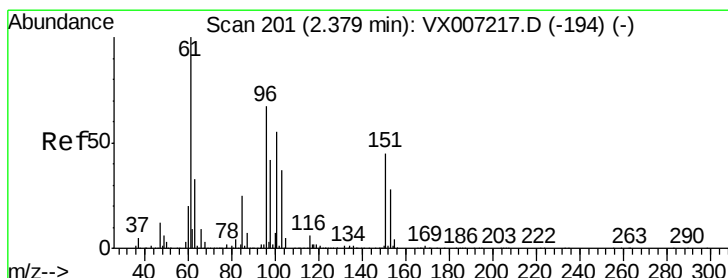
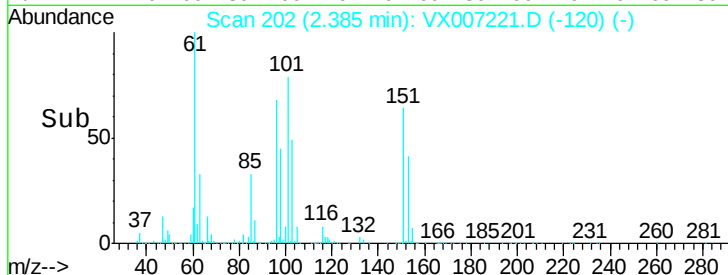
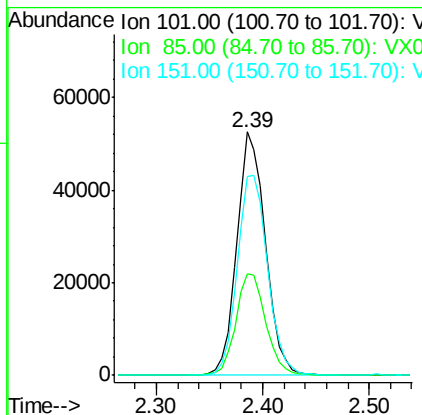
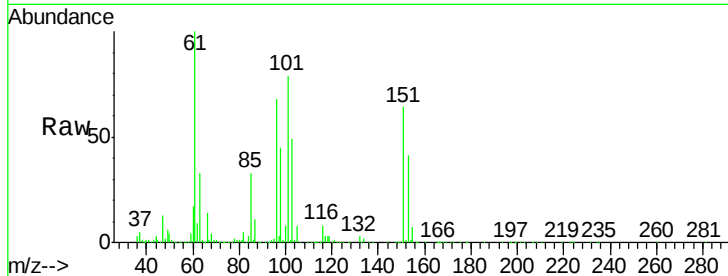
ClientSampleId :

VSTDICV020

Tot Ion:	101	Resp:	99649
Ion Ratio	Lower	Upper	
101	100		
85	43.5	0.0	87.4
151	86.9	0.0	176.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.062 ug/l

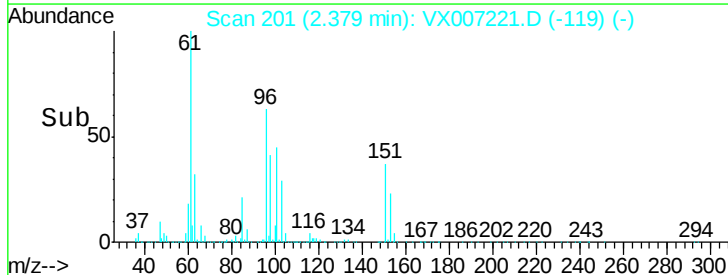
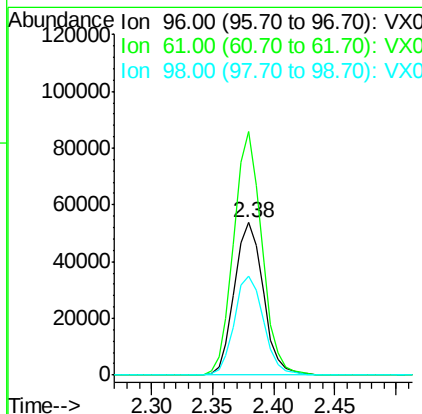
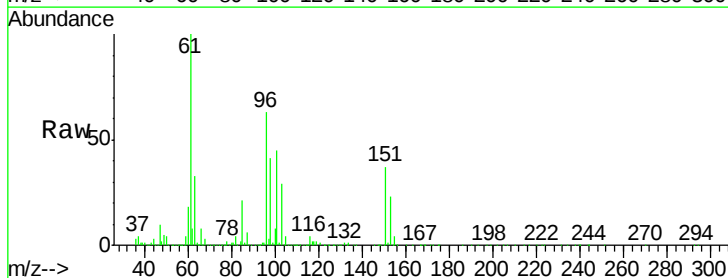
RT: 2.38 min Scan# 201

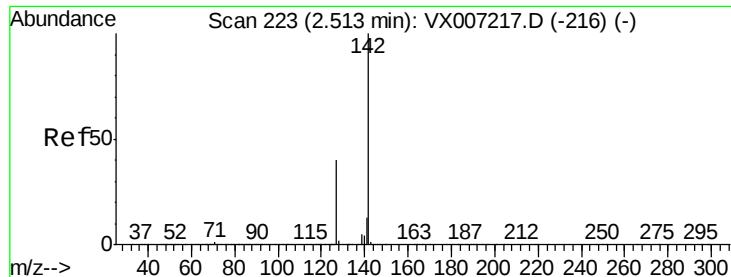
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	96	Resp:	88499
Ion Ratio	Lower	Upper	
96	100		
61	159.5	119.6	179.4
98	64.9	50.9	76.3





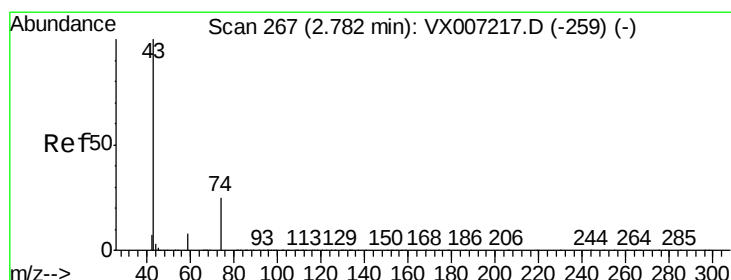
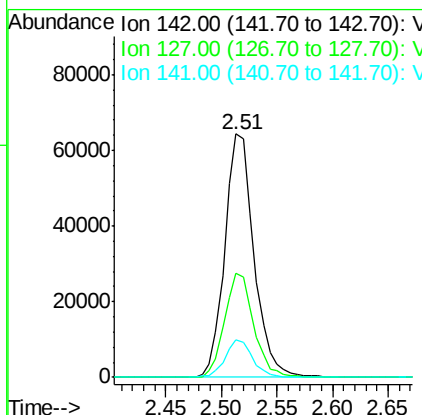
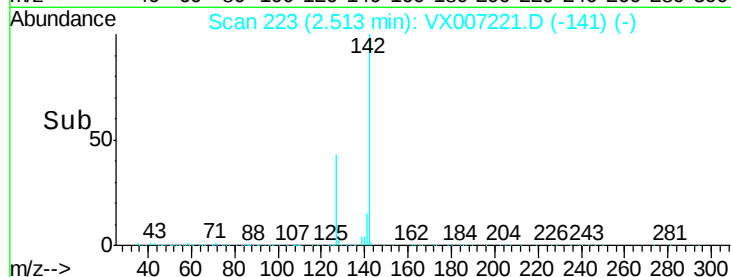
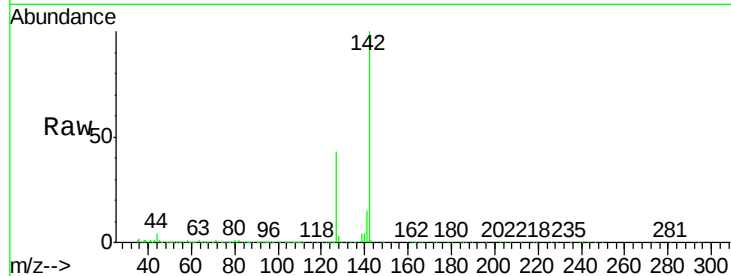
#11
Methvl Iodide
Concen: 16.355 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.6	20.0	59.9
141	15.5	6.3	19.1

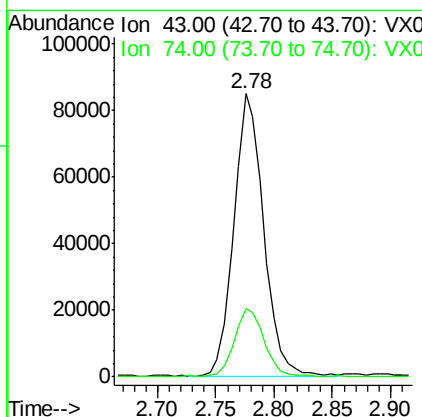
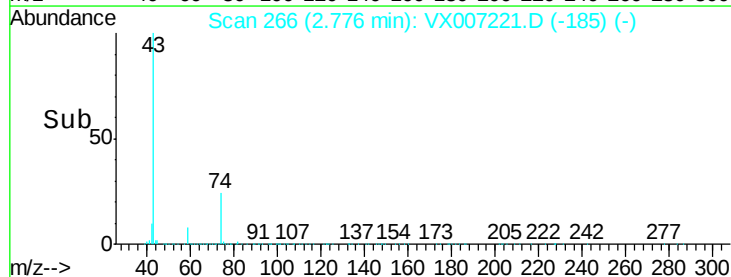
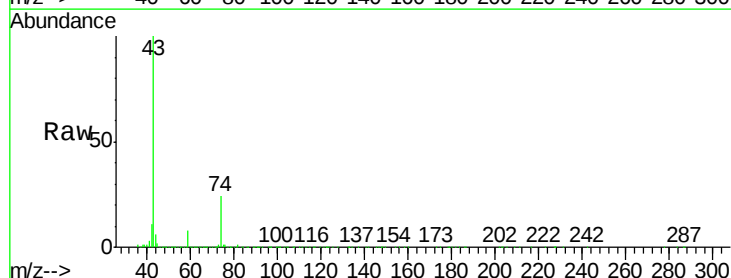
Manual Integrations
APPROVED

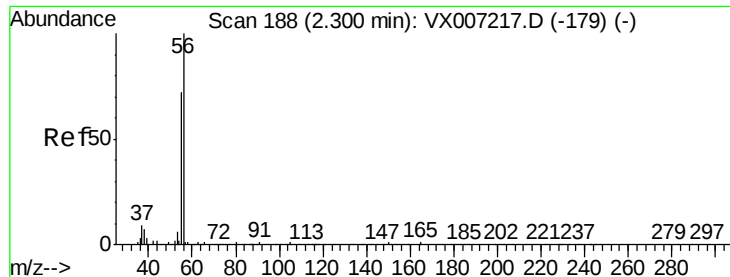
MMDadoda
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#12
Methyl Acetate
Concen: 20.066 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.8	29.8





#13

Acrolein

Concen: 95.954 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion: 56 Resp: 52189

Ion Ratio Lower Upper

56 100

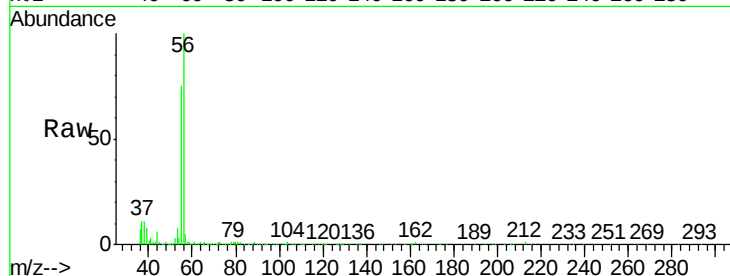
55 70.2 58.6 87.8

Manual Integrations

APPROVED

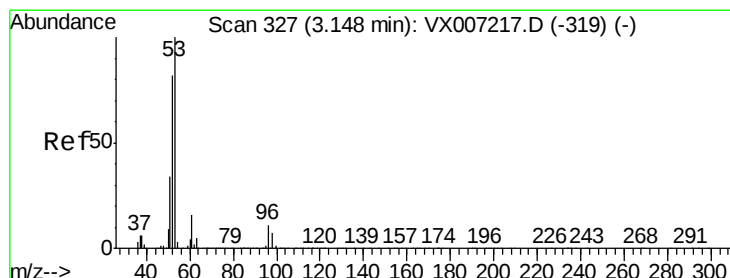
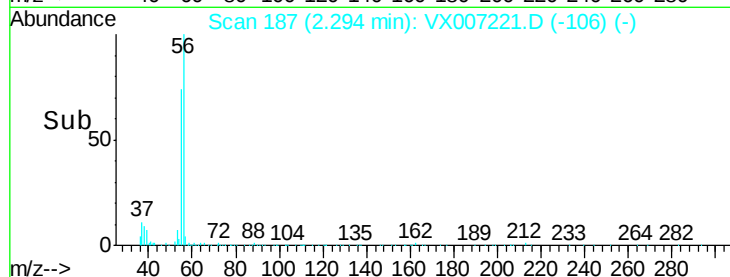
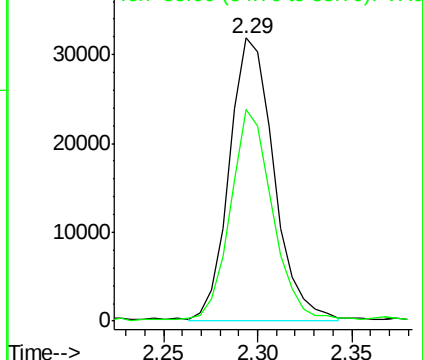
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 102.256 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

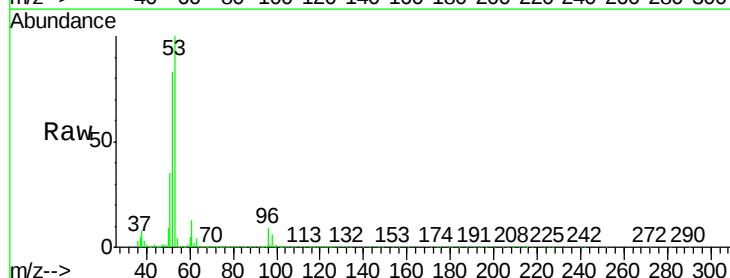
Tgt Ion: 53 Resp: 287617

Ion Ratio Lower Upper

53 100

52 82.7 41.3 124.1

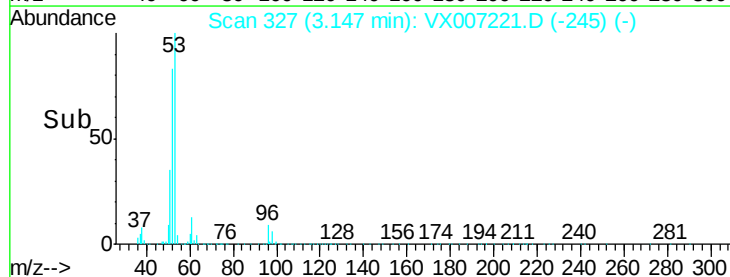
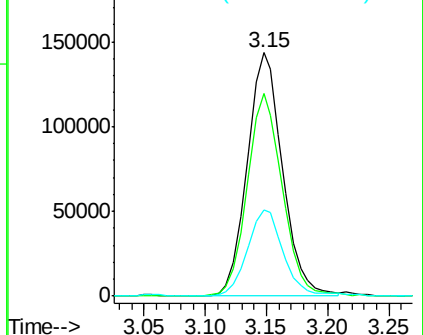
51 35.9 17.9 53.8

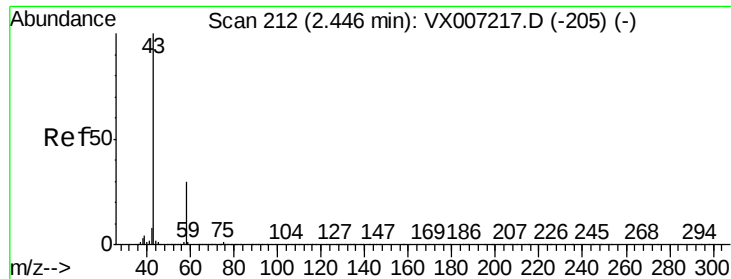


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





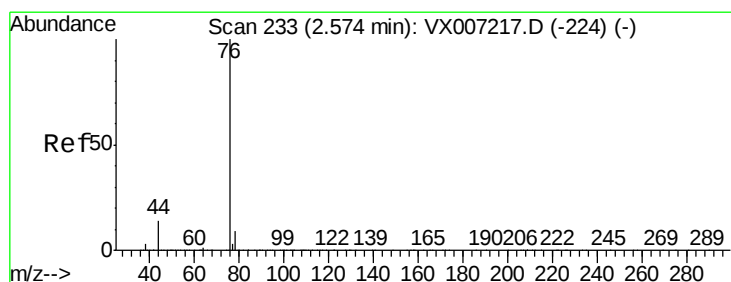
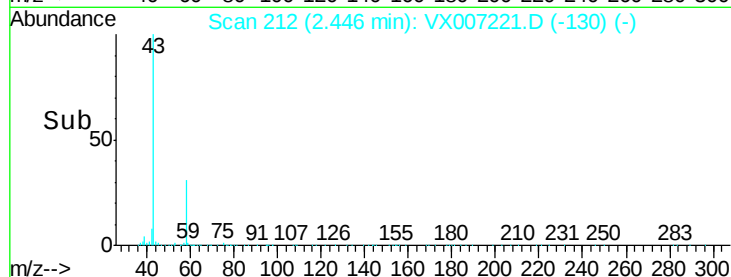
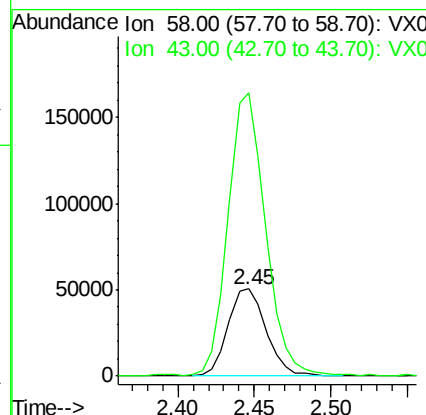
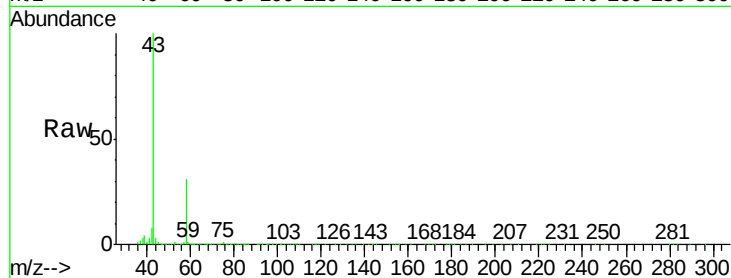
#15
Acetone
Concen: 108.303 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Tot Ion	58	Resp	86586
Ion	Ratio	Lower	Upper
58	100		
43	324.5	265.9	398.9

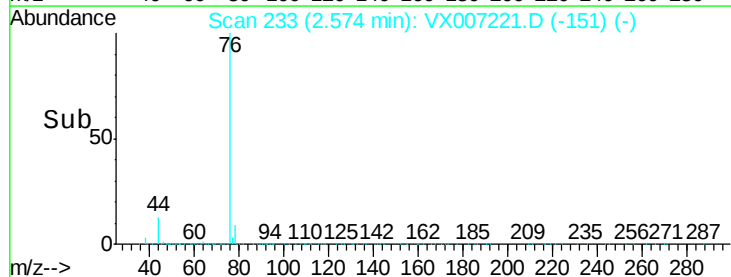
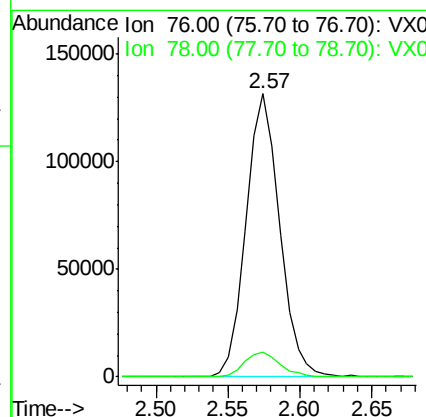
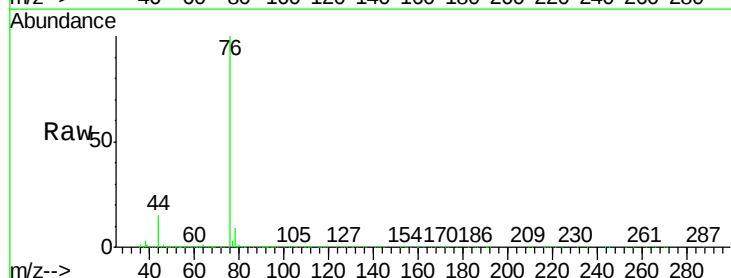
Manual Integrations
APPROVED

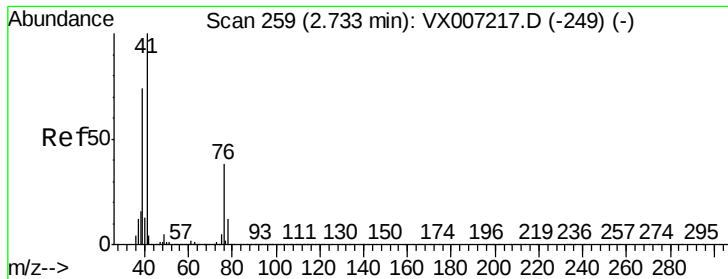
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#16
Carbon Disulfide
Concen: 19.910 ug/l
RT: 2.57 min Scan# 233
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	76	Resp	211778
Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.7	11.5





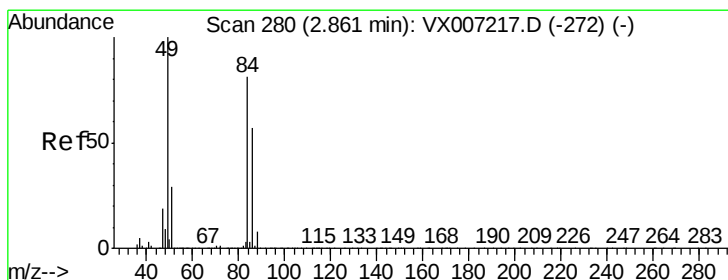
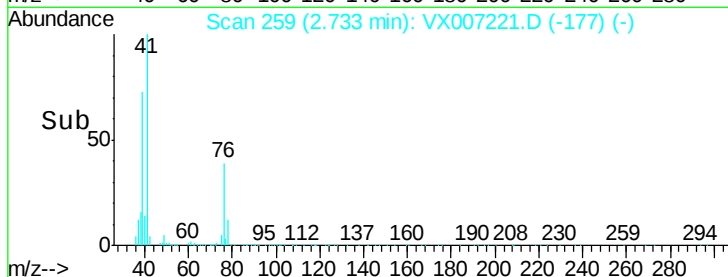
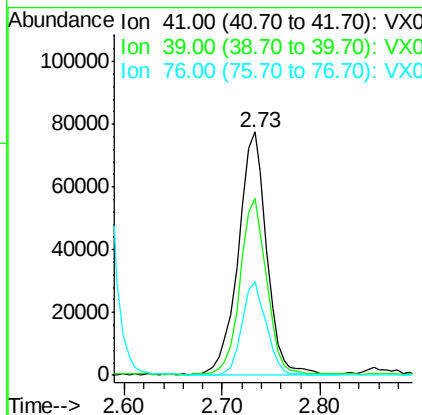
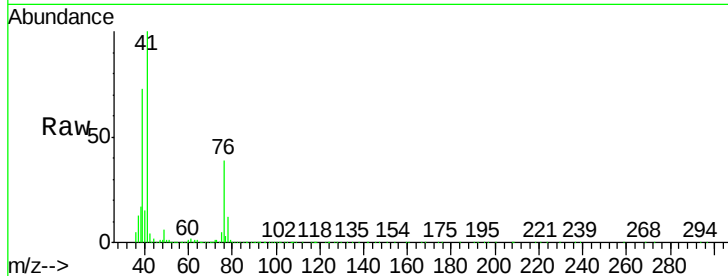
#17
Allvl chloride
Concen: 20.418 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.6	37.0	111.0
76	38.5	19.3	57.8

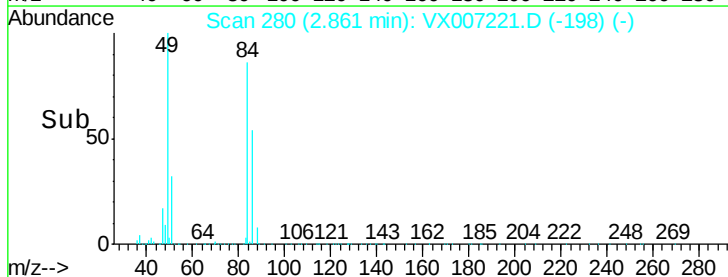
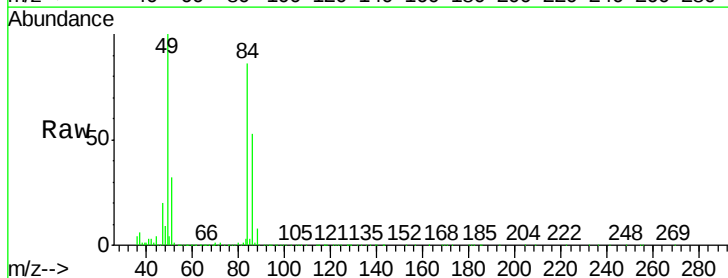
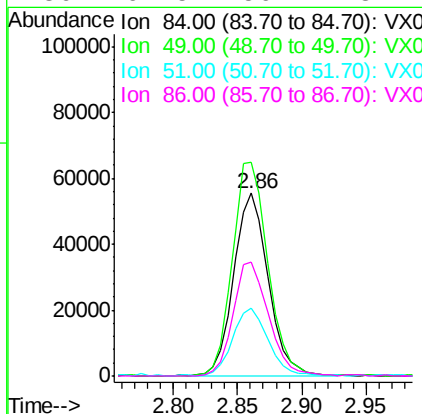
Manual Integrations
APPROVED

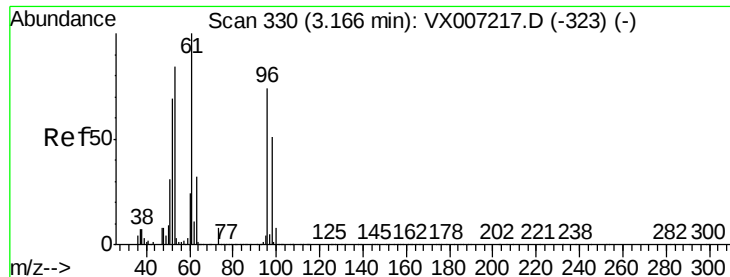
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#18
Methylene Chloride
Concen: 20.385 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.0	98.4	147.6
51	36.9	28.9	43.3
86	62.5	56.1	84.1





#19

trans-1,2-Dichloroethene

Concen: 20.099 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

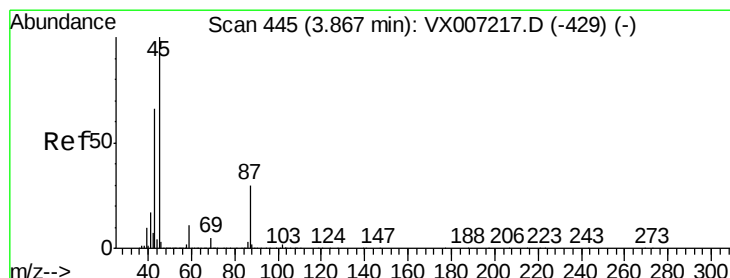
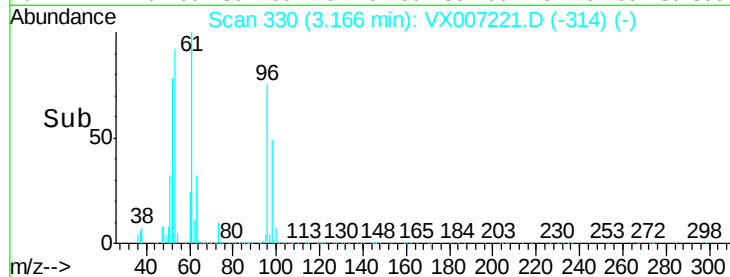
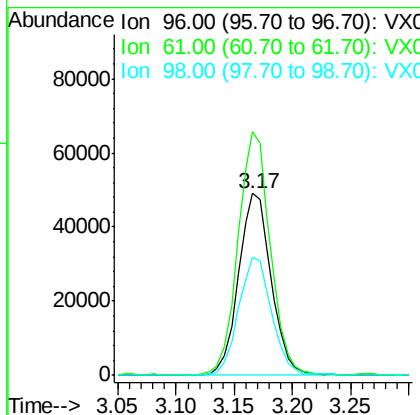
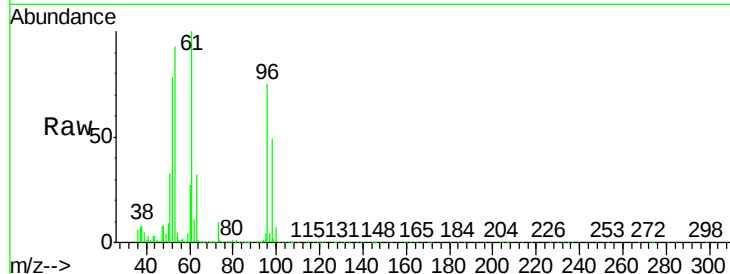
ClientSampleId :

VSTDICV020

Tot Ion:	96	Resp:	96007
Ion	Ratio	Lower	Upper
96	100		
61	133.8	107.8	161.6
98	65.3	54.9	82.3

Manual Integrations
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#20

Diisopropyl ether

Concen: 20.129 ug/l

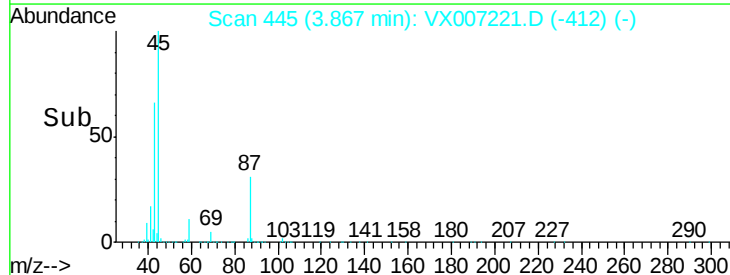
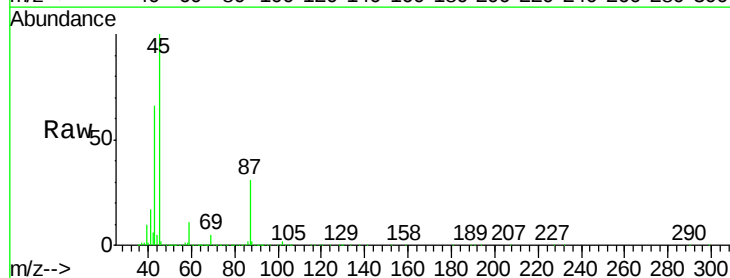
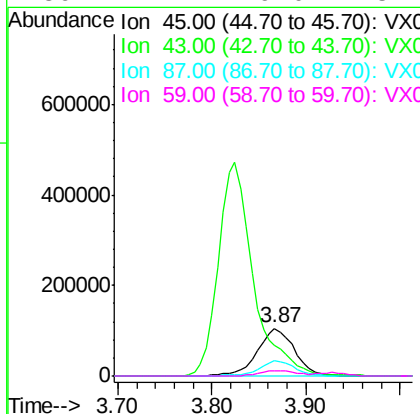
RT: 3.87 min Scan# 445

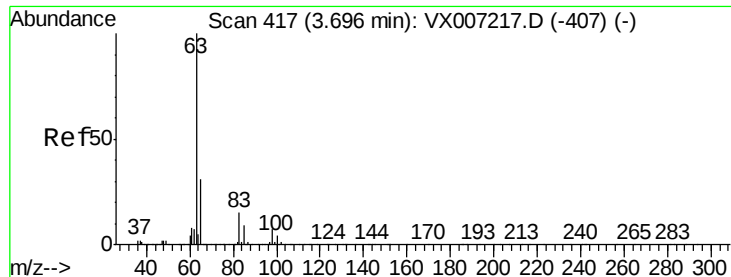
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	45	Resp:	287429
Ion	Ratio	Lower	Upper
45	100		
43	63.3	53.1	79.7
87	31.3	23.7	35.5
59	11.4	9.0	13.4





#21

1,1-Dichloroethane

Concen: 20.899 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

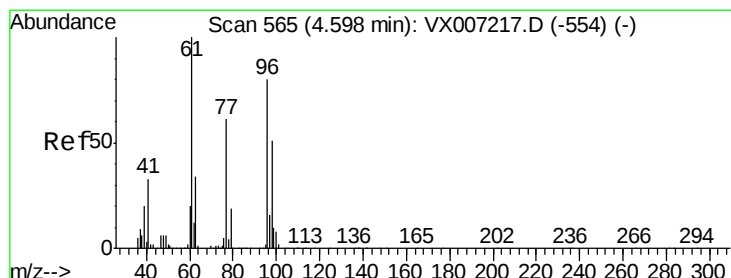
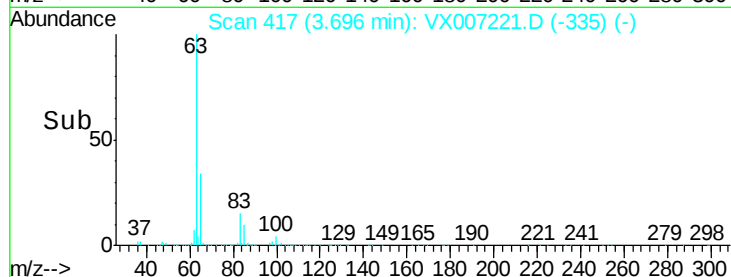
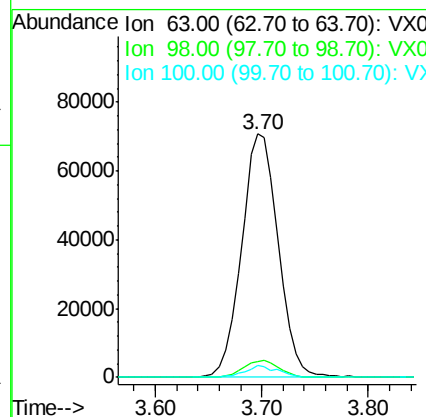
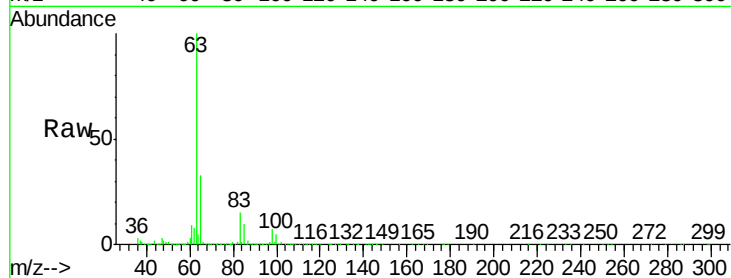
ClientSampleId :

VSTDICV020

Tot Ion:	63	Resp:	170442
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.3	9.9
100	4.7	2.1	6.2

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.017 ug/l

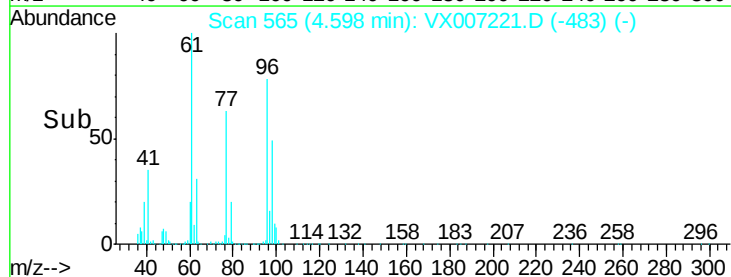
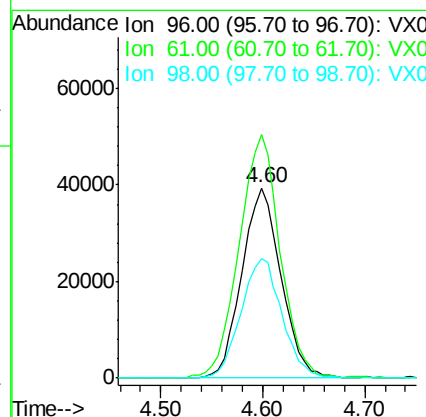
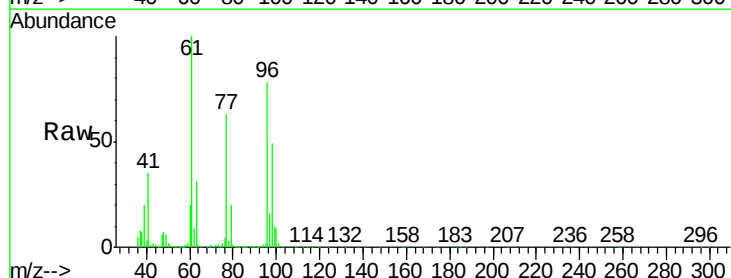
RT: 4.60 min Scan# 565

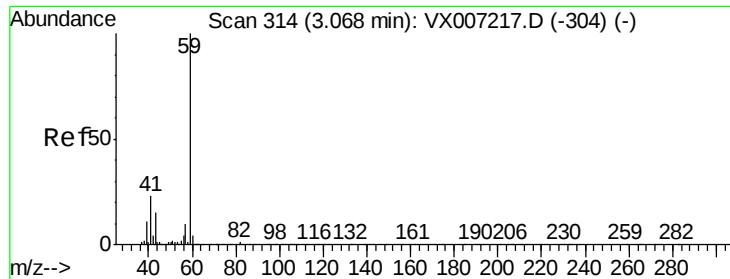
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	96	Resp:	105151
Ion Ratio	Lower	Upper	
96	100		
61	133.4	108.1	162.1
98	65.4	51.9	77.9





#23

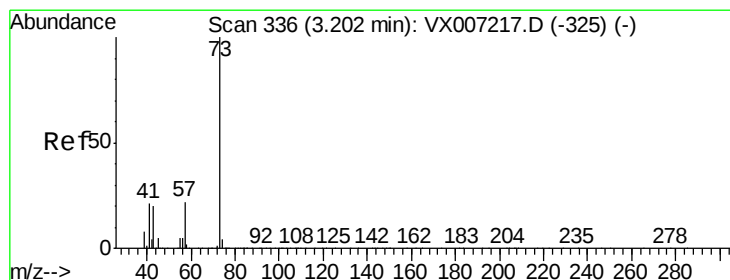
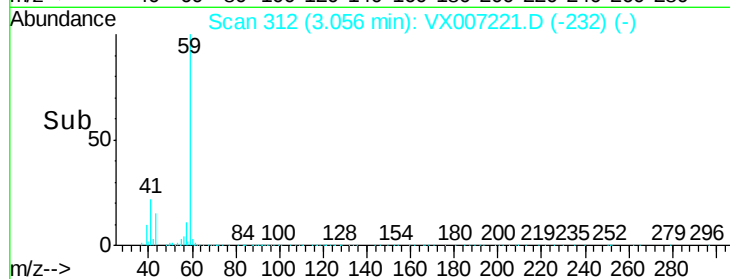
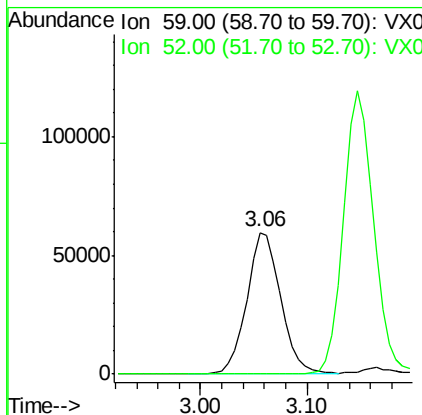
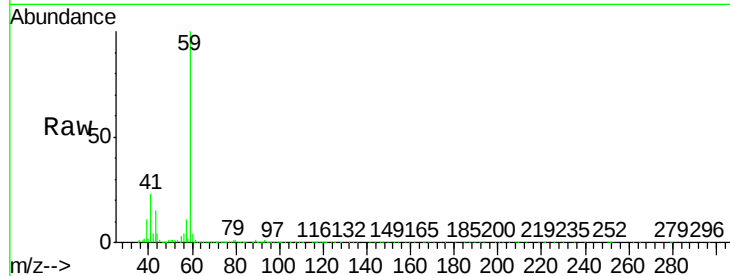
tert-Butyl Alcohol
 Concen: 113.572 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.2	0.2#

Manual Integrations
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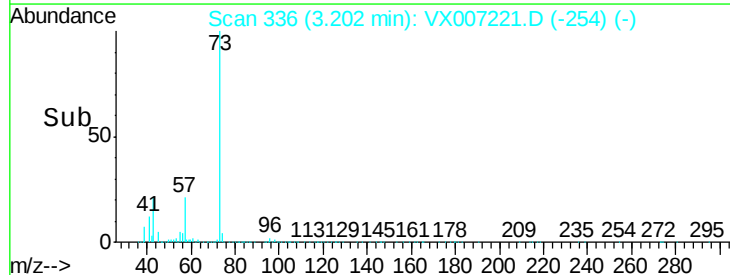
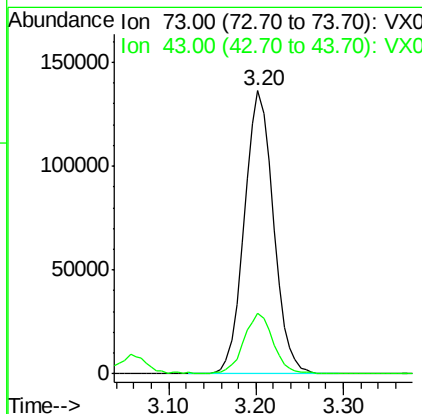
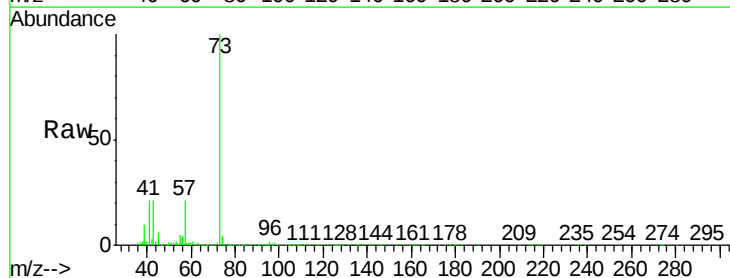
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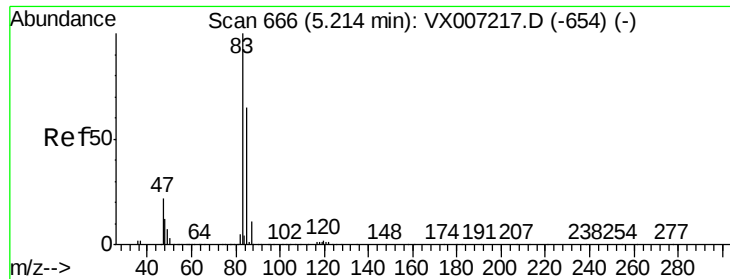


#24

Methyl tert-Butyl Ether
 Concen: 20.408 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.2	16.2	24.4





#25

Chloroform

Concen: 19.795 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion: 83 Resp: 166858

Ion Ratio Lower Upper

83 100

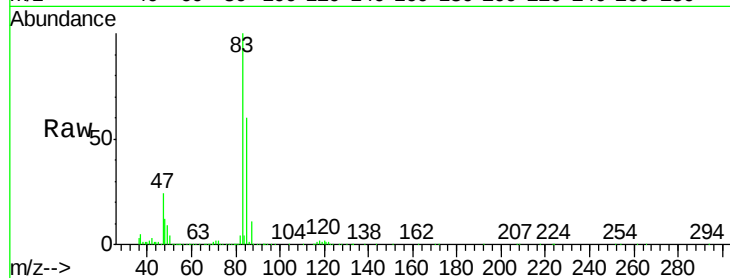
85 60.2 51.9 77.9

Manual Integrations

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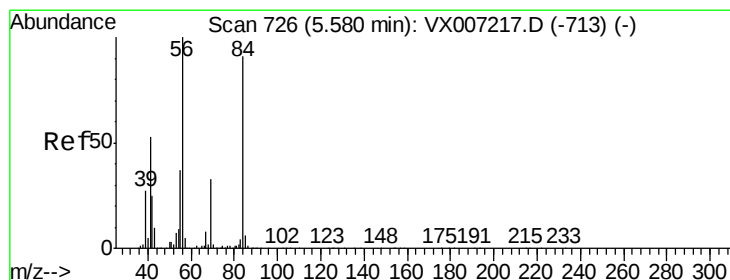
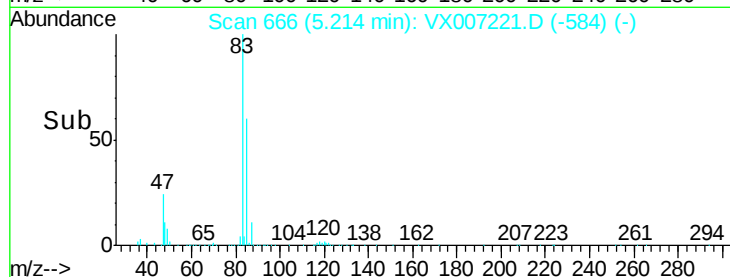
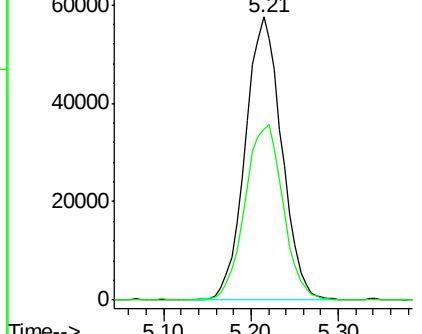
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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 20.575 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

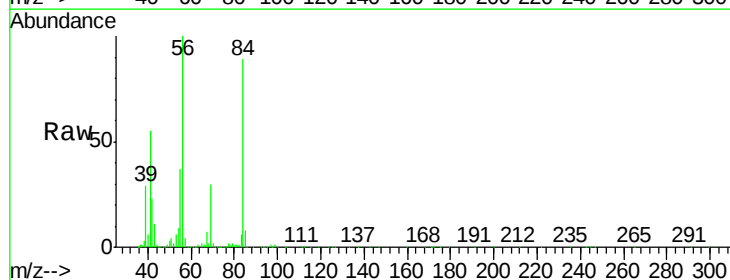
Tgt Ion: 56 Resp: 141324

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

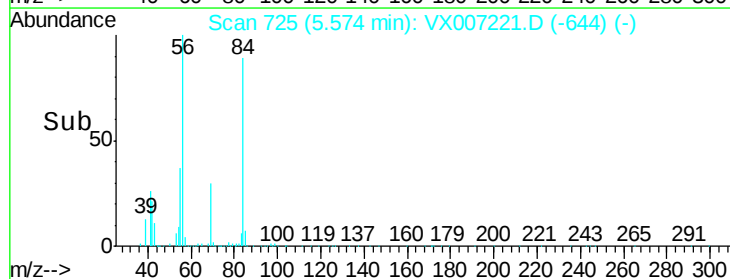
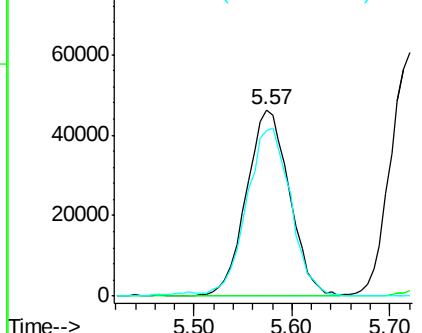
84 91.3 74.2 111.2

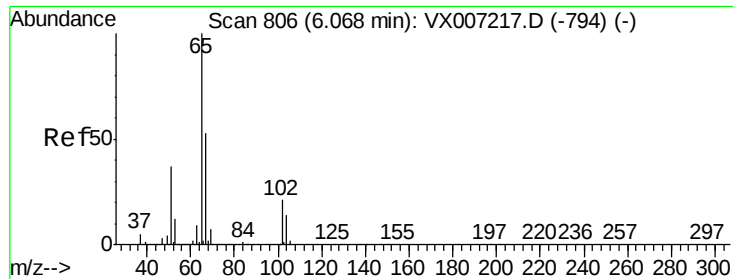


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.465 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion: 65 Resp: 170925

Ion Ratio Lower Upper

65 100

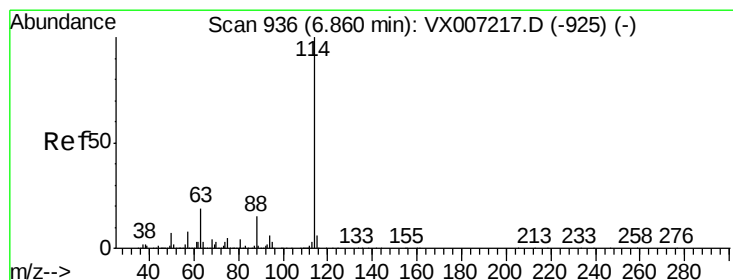
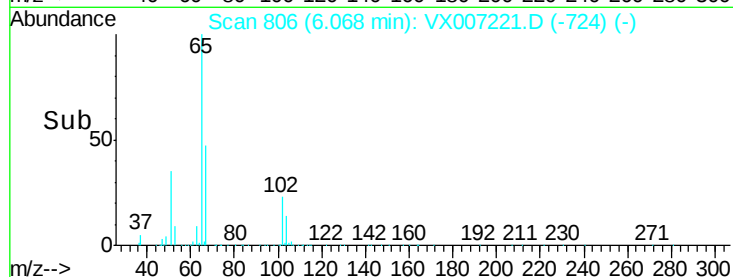
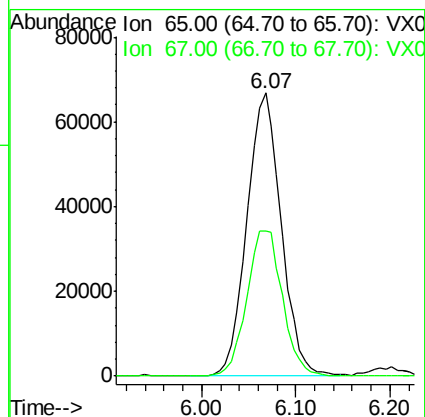
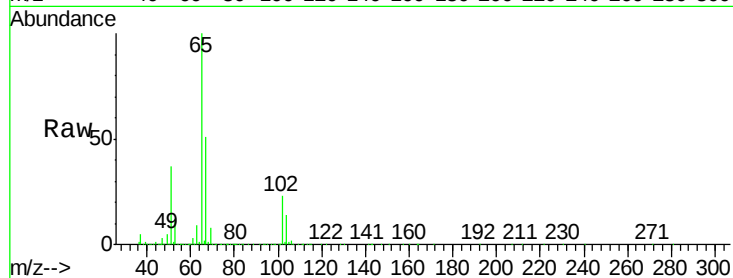
67 53.3 42.0 63.0

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

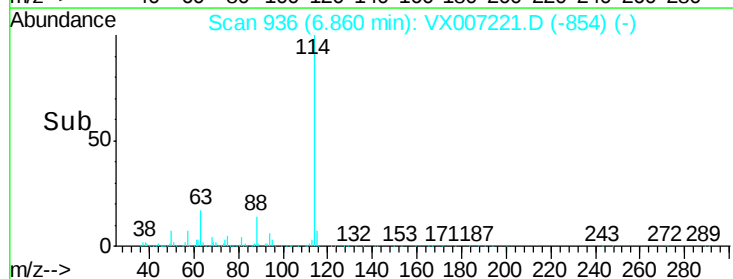
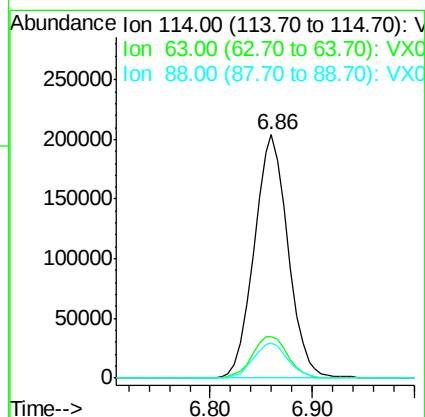
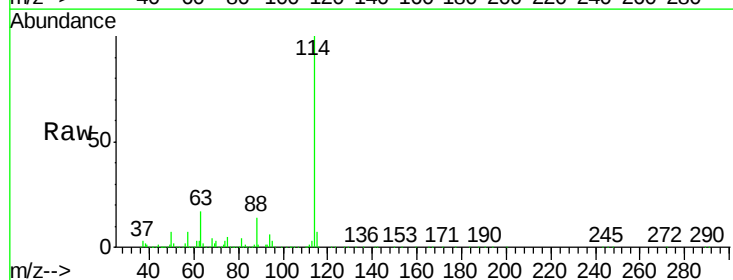
Tgt Ion: 114 Resp: 469016

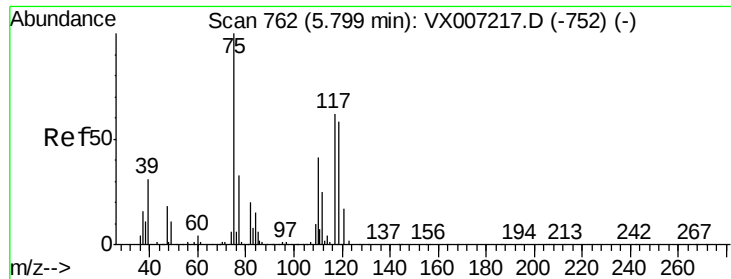
Ion Ratio Lower Upper

114 100

63 18.1 14.6 21.8

88 14.9 11.8 17.6





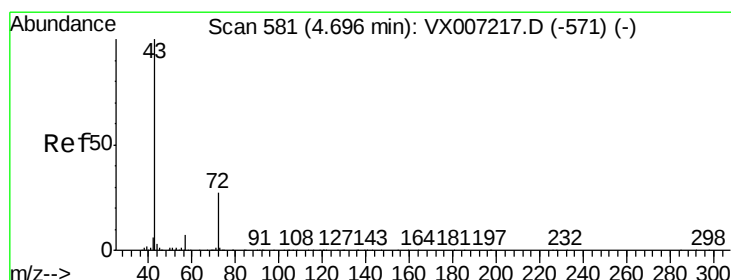
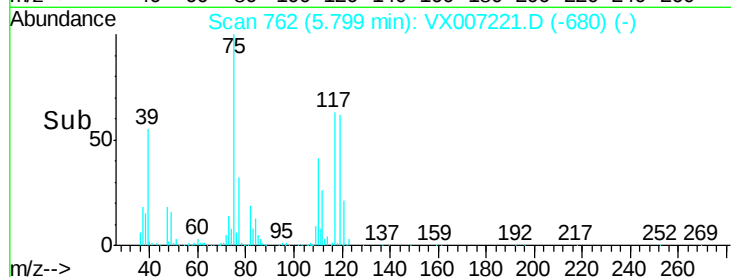
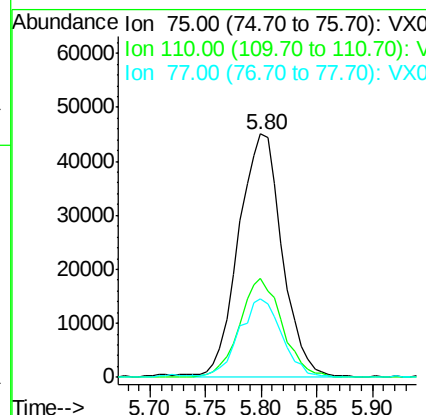
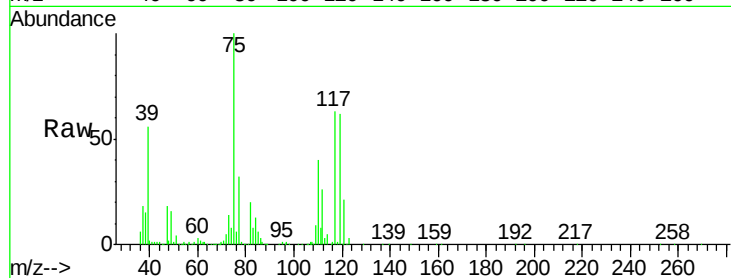
#29
 1,1-Dichloropropene
 Concen: 20.013 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.8	0.0	78.8
77	31.6	0.0	61.8

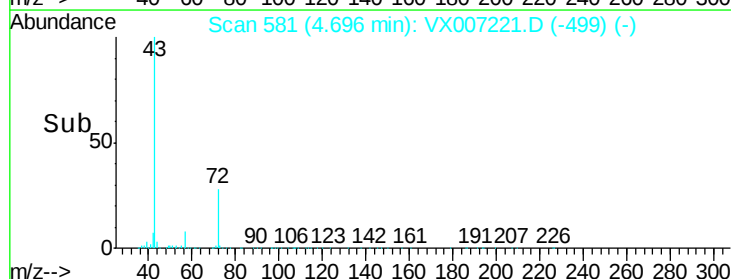
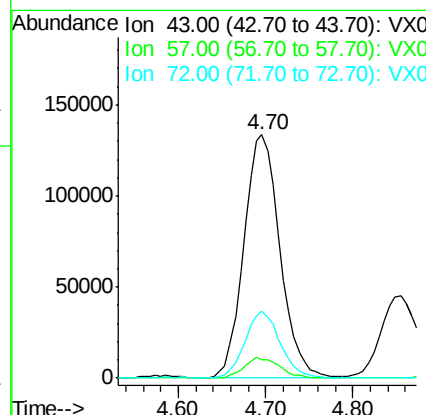
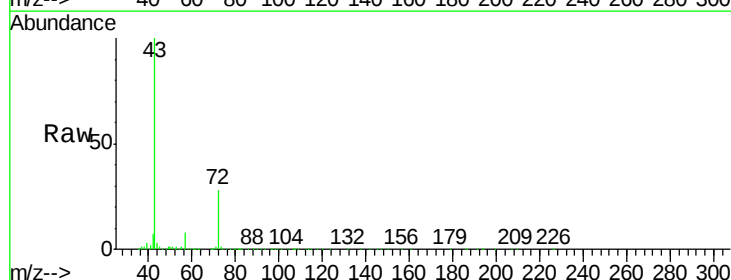
Manual Integrations
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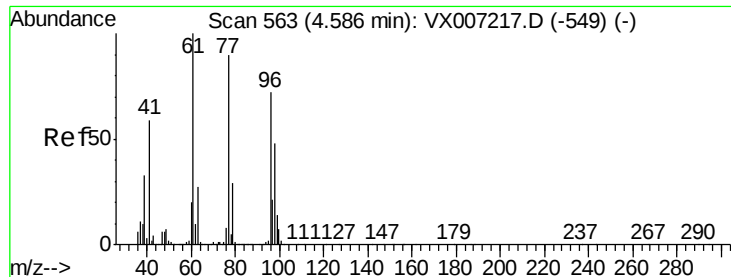
MMDadoda
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#30
 2-Butanone
 Concen: 103.870 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	3.3	4.9#
72	26.9	22.0	33.0





#31

2,2-Dichloropropane

Concen: 19.761 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion: 77 Resp: 122066

Ion Ratio Lower Upper

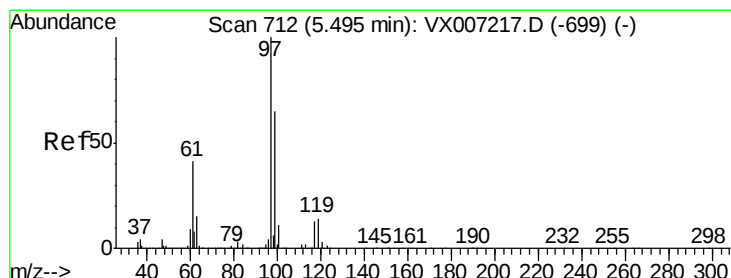
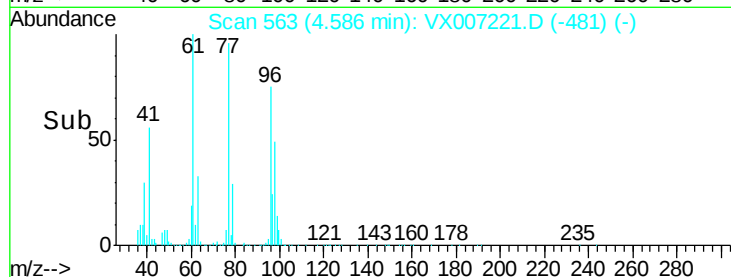
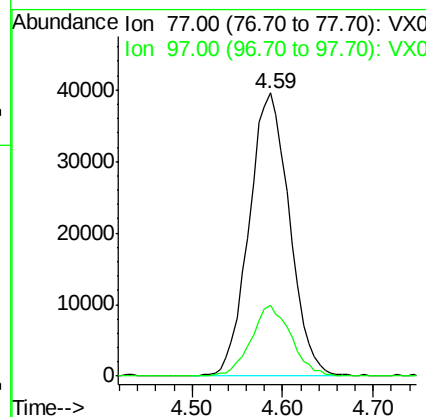
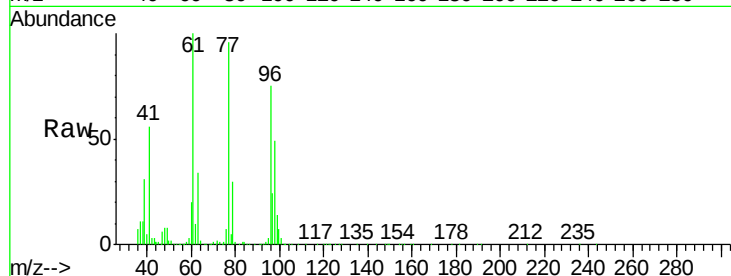
77 100

97 24.6 19.8 29.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.366 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

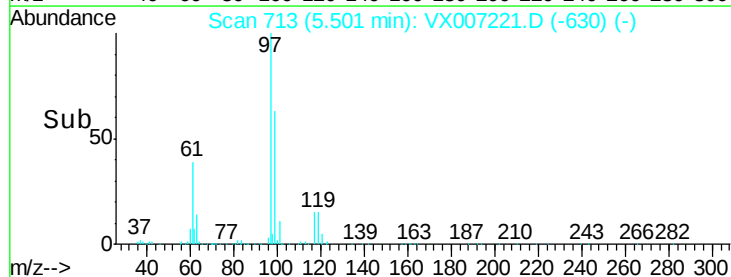
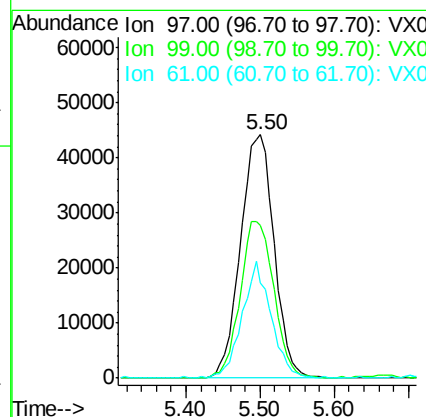
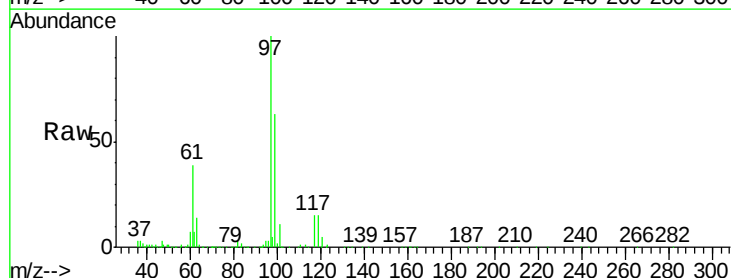
Tgt Ion: 97 Resp: 139934

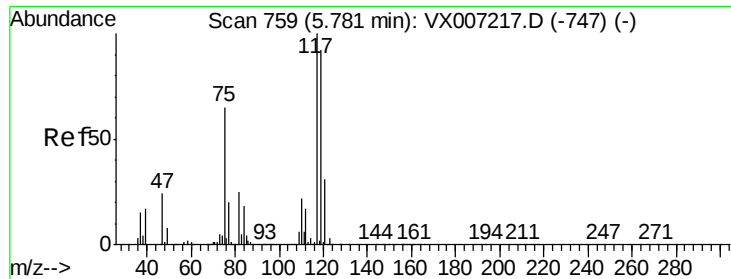
Ion Ratio Lower Upper

97 100

99 64.6 51.9 77.9

61 40.3 33.6 50.4





#33

Carbon Tetrachloride

Concen: 19.527 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

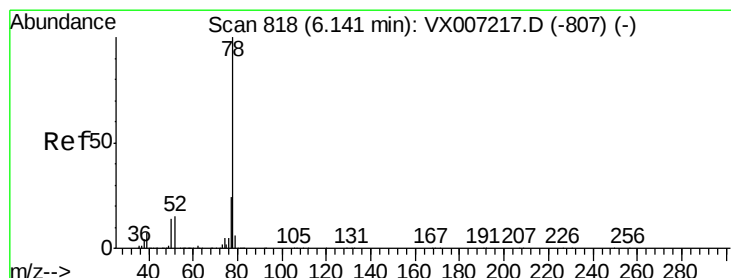
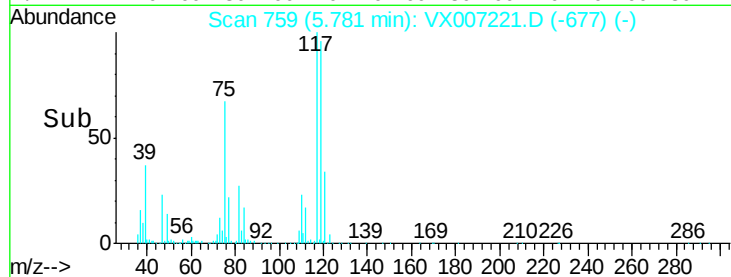
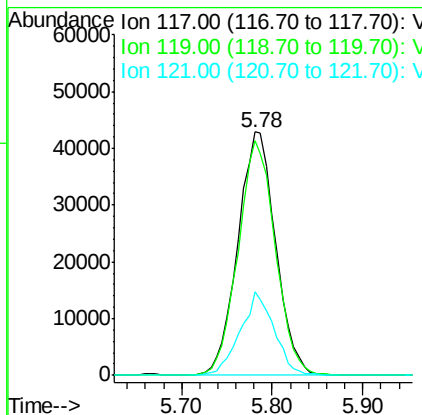
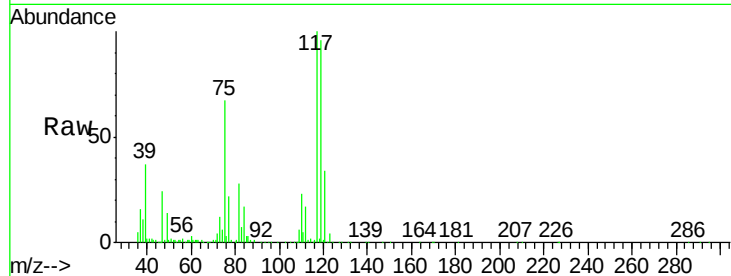
ClientSampleId :

VSTDICV020

Tot Ion:	117	Resp:	124029
Ion Ratio	Lower	Upper	
117	100		
119	96.6	73.5	110.3
121	34.3	24.6	37.0

Manual Integrations
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#34

Benzene

Concen: 19.586 ug/l

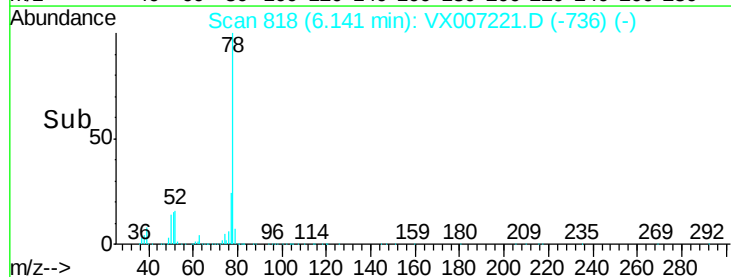
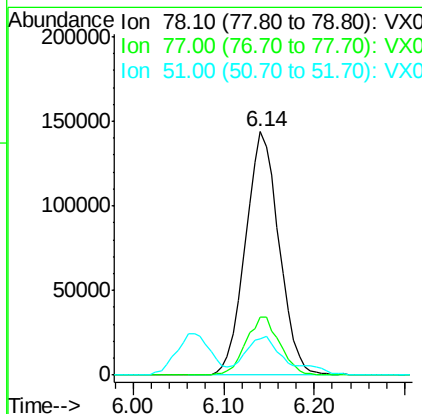
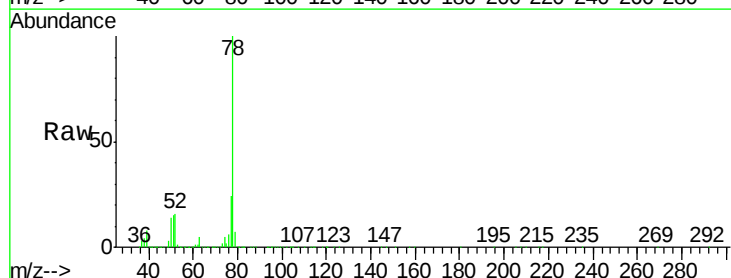
RT: 6.14 min Scan# 818

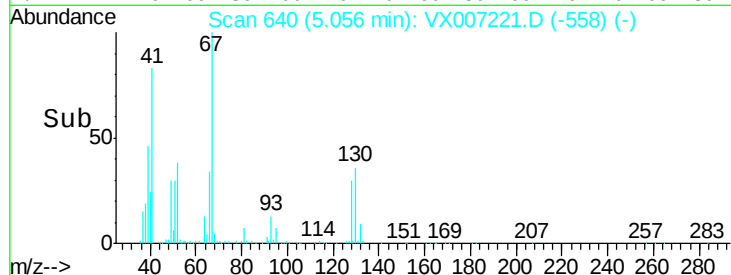
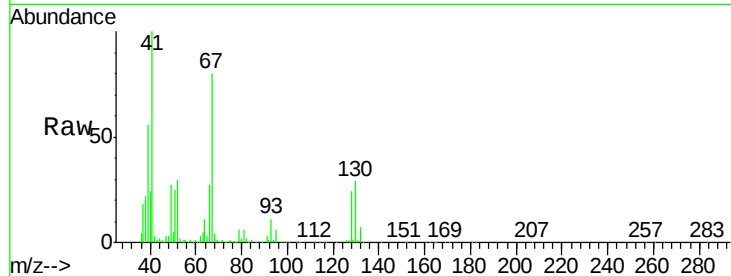
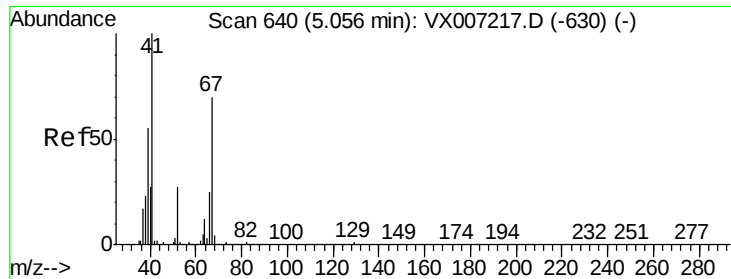
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	78	Resp:	369383
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.1	28.7
51	14.2	12.4	18.6





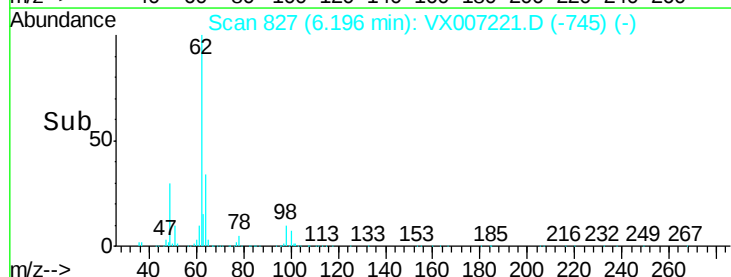
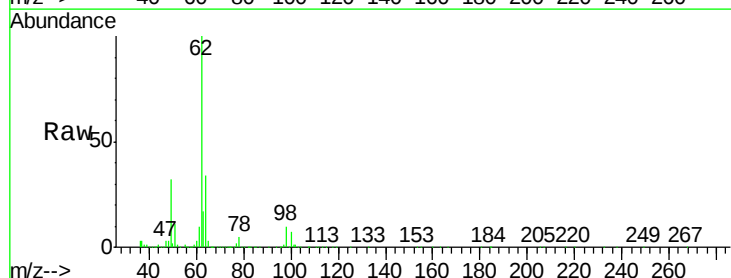
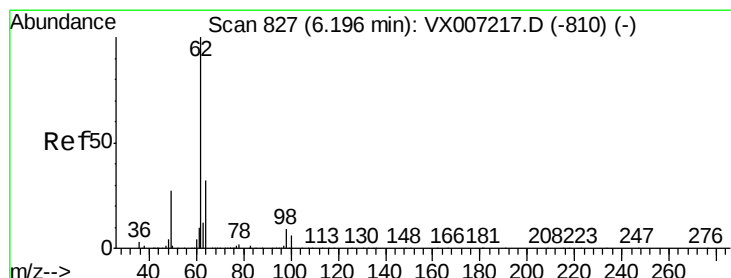
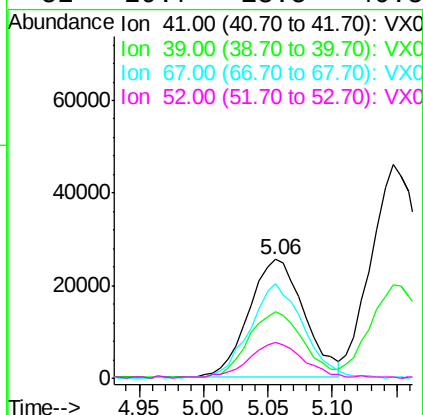
#35
Methacrylonitrile
Concen: 20.381 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	27.5	82.4	
67	79.4	34.8	104.3	
52	29.7	13.5	40.5	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

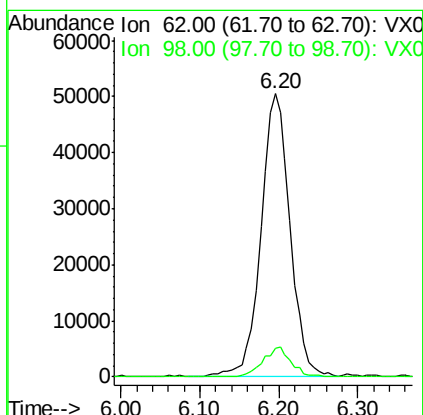
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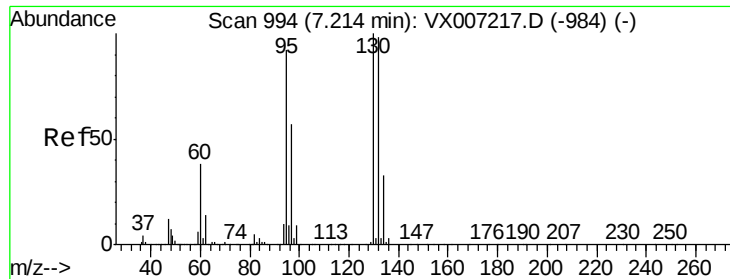
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#36
1,2-Dichloroethane
Concen: 19.720 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	8.1	12.1	





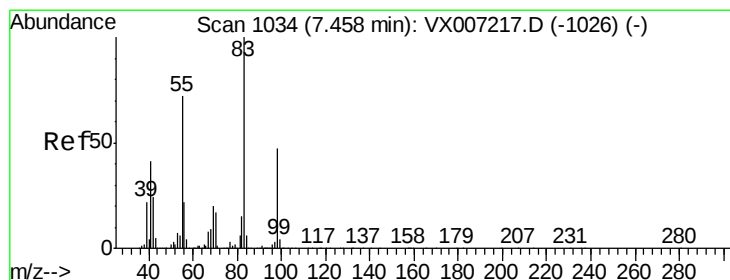
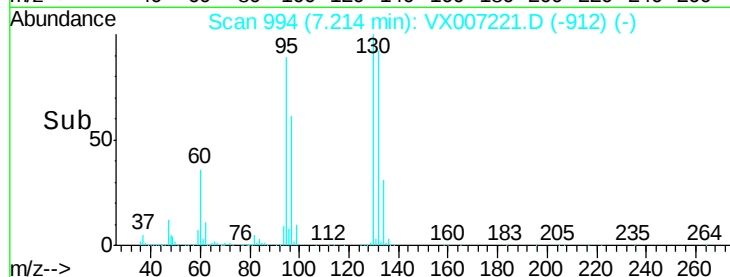
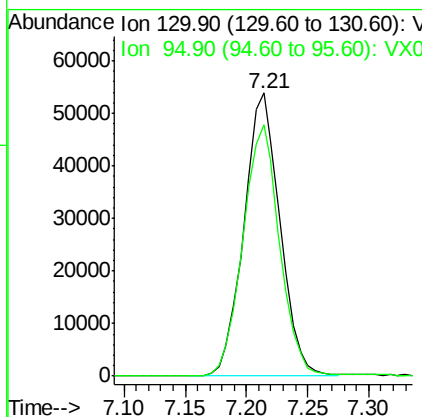
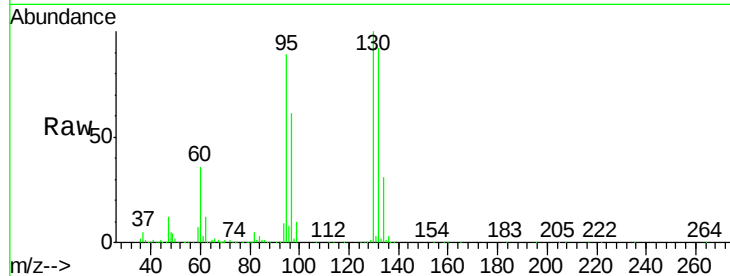
#37
 Trichloroethene
 Concen: 19.861 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Tot Ion:130 Resp: 110442
 Ion Ratio Lower Upper
 130 100
 95 88.5 73.7 110.5

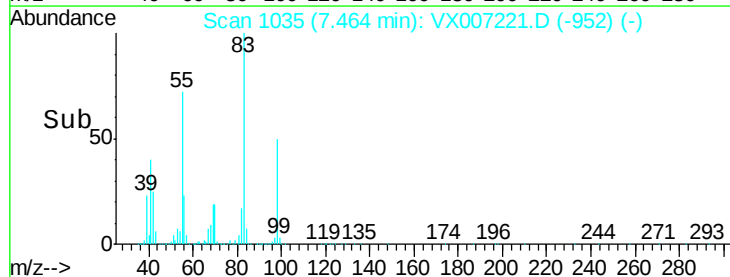
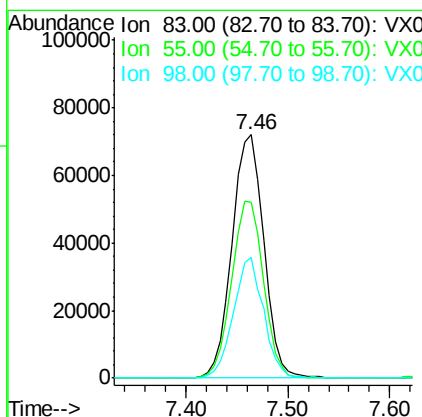
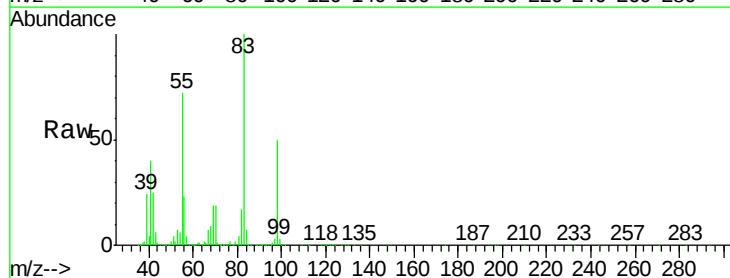
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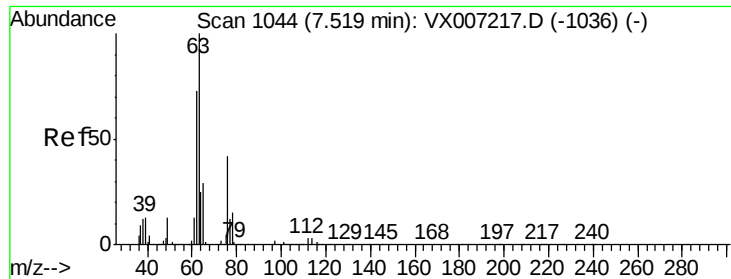
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#38
 Methylcyclohexane
 Concen: 20.192 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Tgt Ion: 83 Resp: 156463
 Ion Ratio Lower Upper
 83 100
 55 72.2 36.6 109.8
 98 46.3 24.1 72.4





#39

1,2-Dichloropropane

Concen: 19.869 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion: 63 Resp: 93972

Ion Ratio Lower Upper

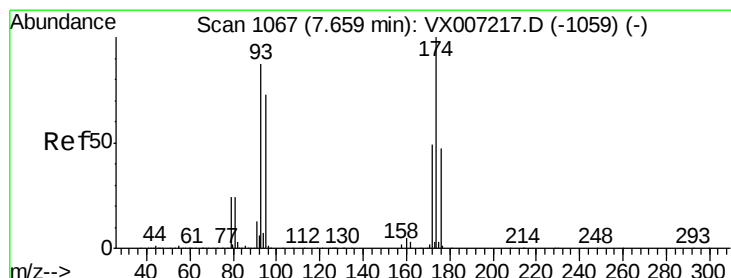
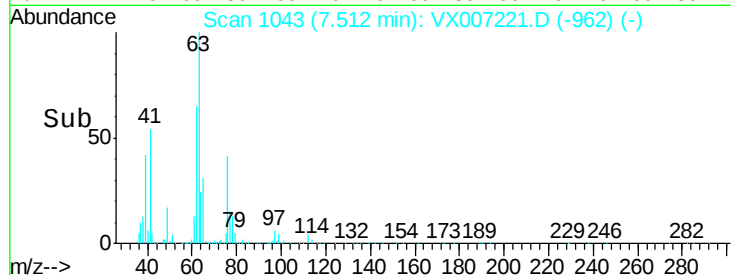
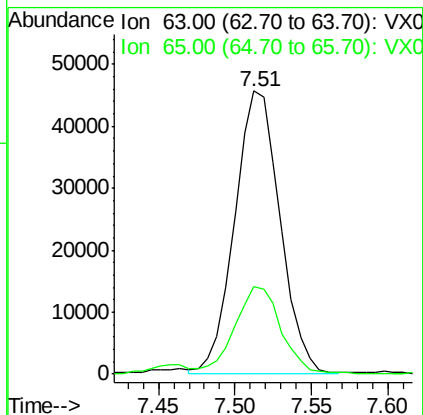
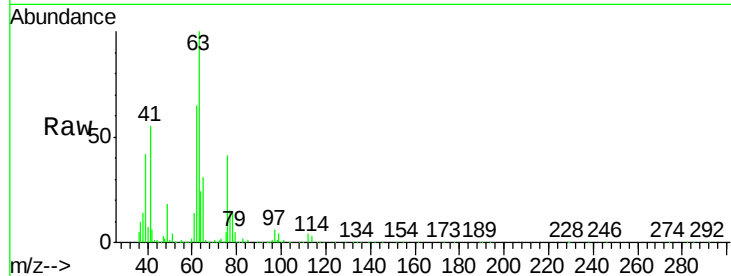
63 100

65 30.5 24.7 37.1

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#40

Dibromomethane

Concen: 20.195 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

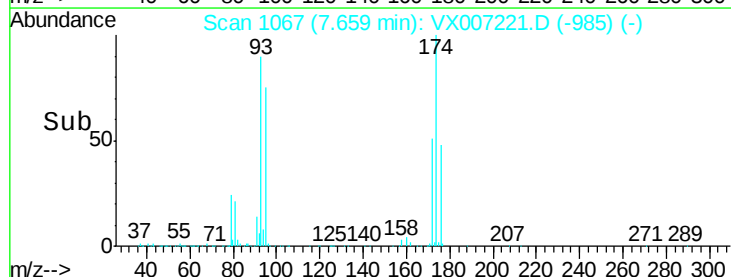
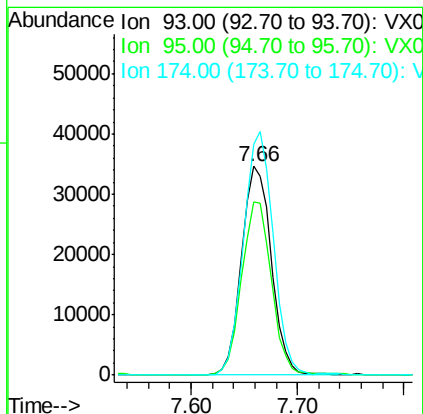
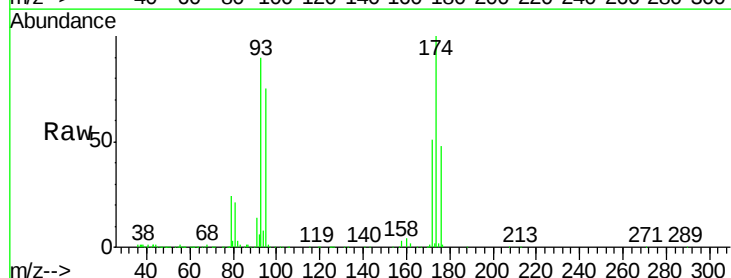
Tgt Ion: 93 Resp: 68801

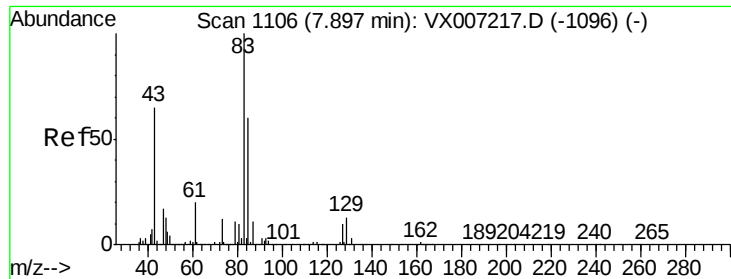
Ion Ratio Lower Upper

93 100

95 82.5 0.0 172.4

174 115.4 0.0 233.0





#41

Bromodichloromethane

Concen: 18.904 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

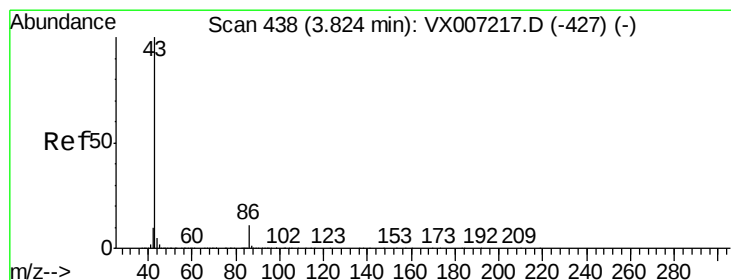
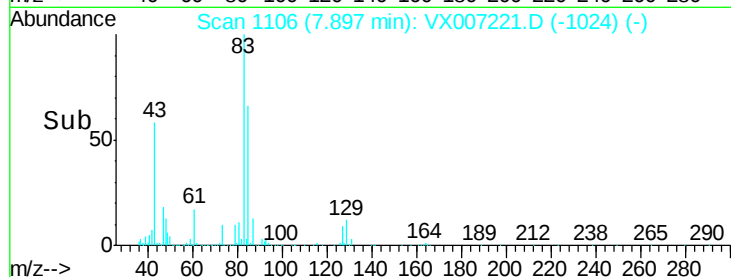
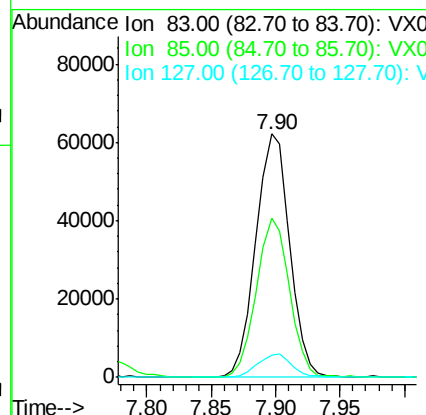
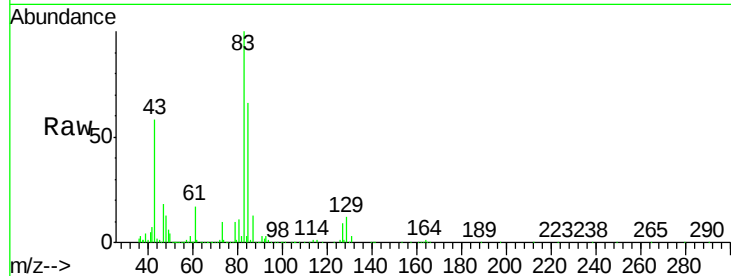
ClientSampleId :

VSTDICV020

Tot Ion:	83	Resp:	113030
Ion Ratio	Lower	Upper	
83	100		
85	65.3	48.2	72.2
127	9.2	8.3	12.5

Manual Integrations
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#42

Vinyl Acetate

Concen: 98.127 ug/l

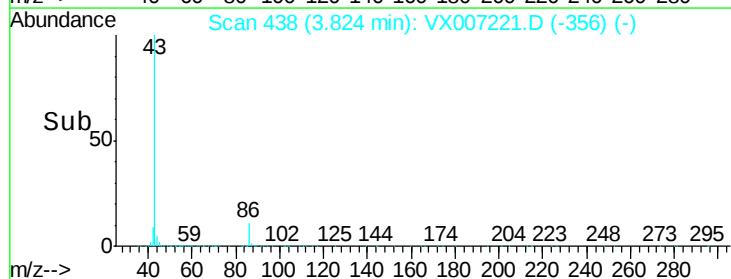
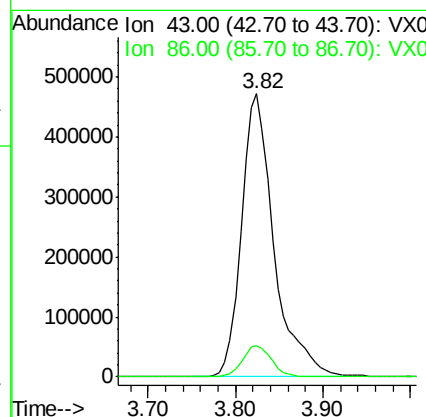
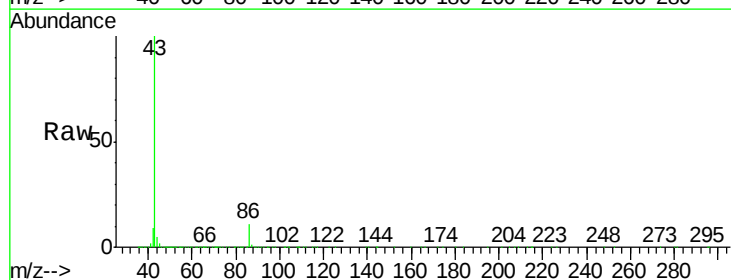
RT: 3.82 min Scan# 438

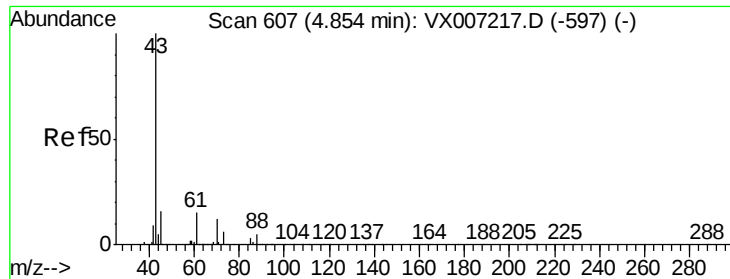
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	43	Resp:	1215461
Ion Ratio	Lower	Upper	
43	100		
86	9.8	8.0	12.0





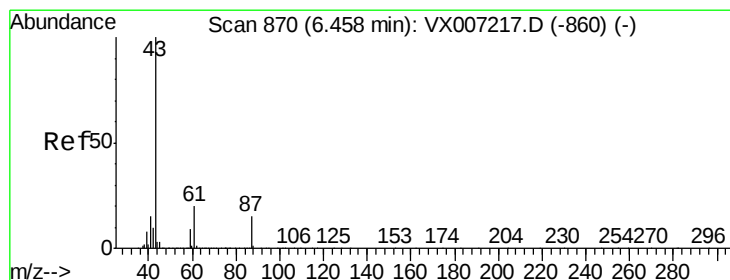
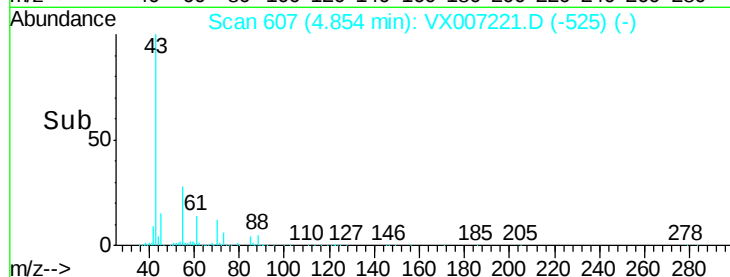
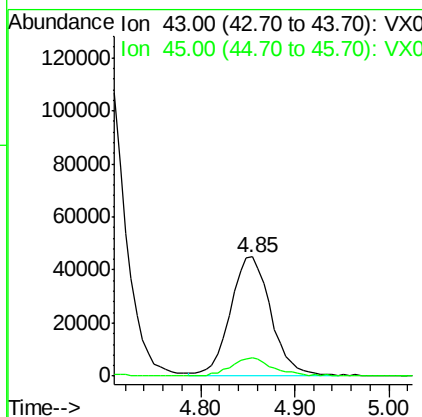
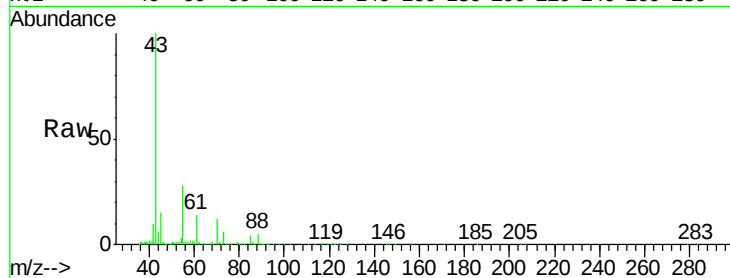
#43
Ethyl Acetate
Concen: 19.494 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampled :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.4	11.7	17.5

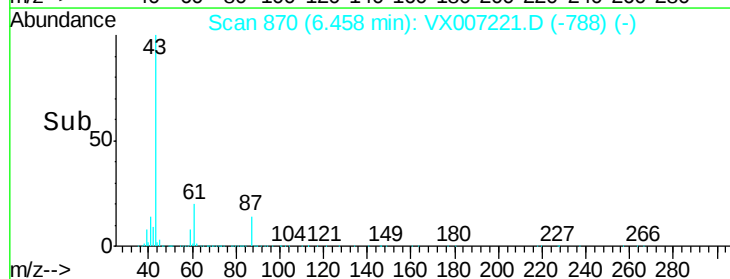
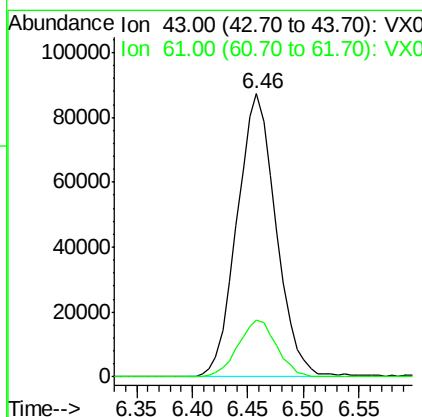
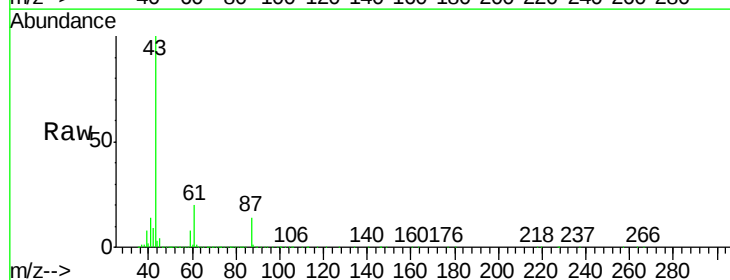
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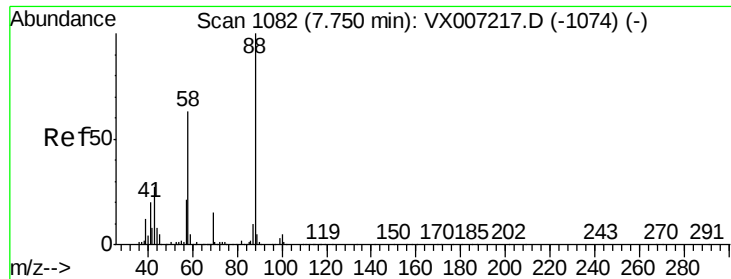
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.753 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.8	25.2





#45

1,4-Dioxane

Concen: 415.286 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

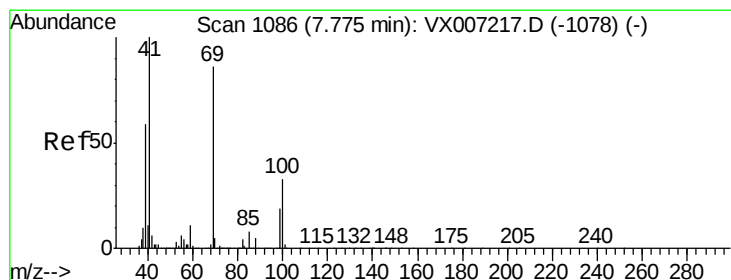
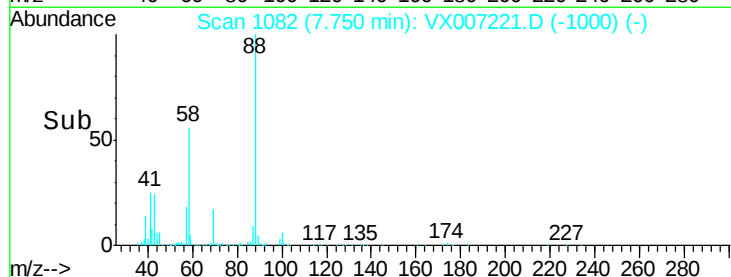
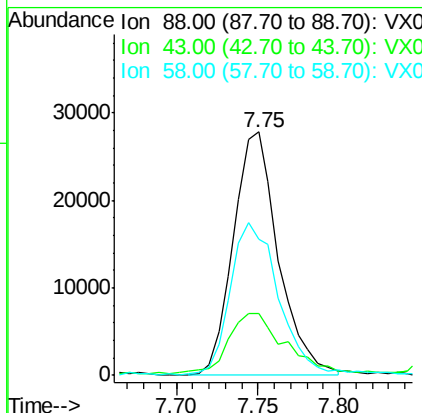
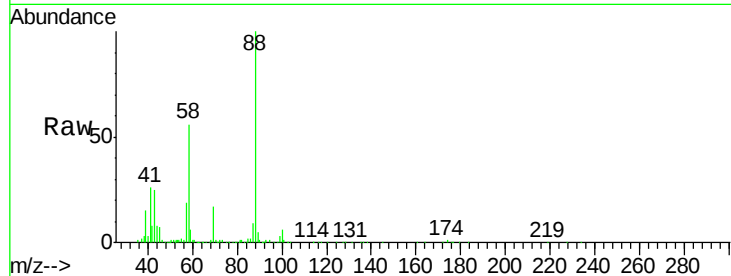
ClientSampleId :

VSTDICV020

Tot Ion:	88	Resp:	53579
Ion	Ratio	Lower	Upper
88	100		
43	30.1	23.5	35.3
58	66.8	51.6	77.4

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#46

Methyl methacrylate

Concen: 19.532 ug/l

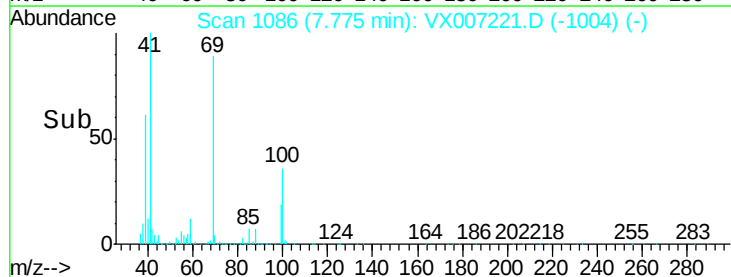
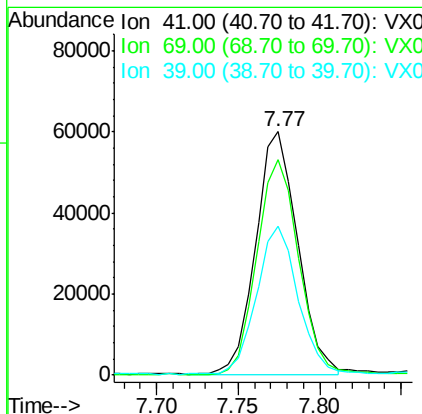
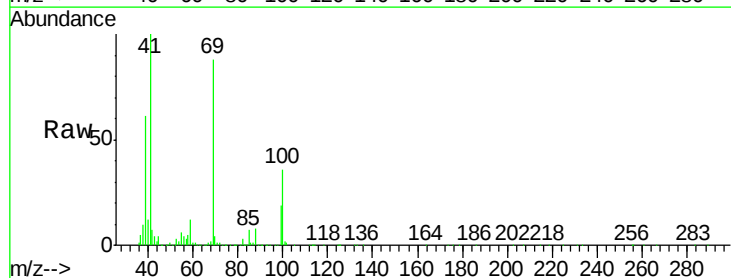
RT: 7.77 min Scan# 1086

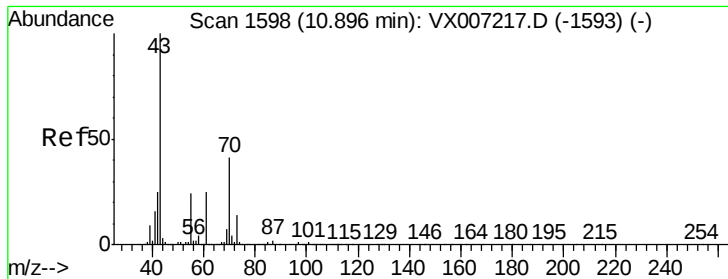
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	41	Resp:	106327
Ion	Ratio	Lower	Upper
41	100		
69	88.6	43.0	129.2
39	60.7	29.4	88.2





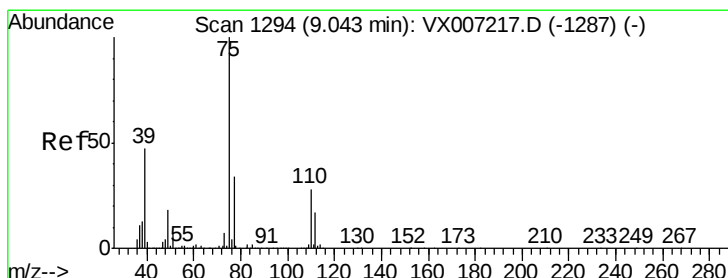
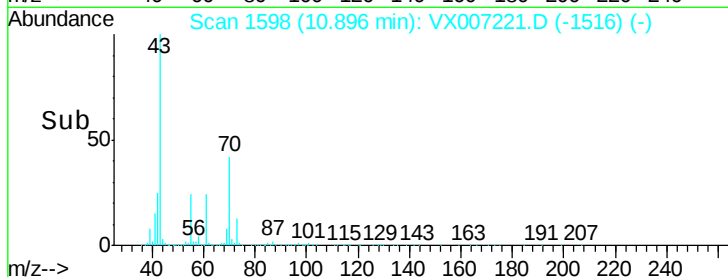
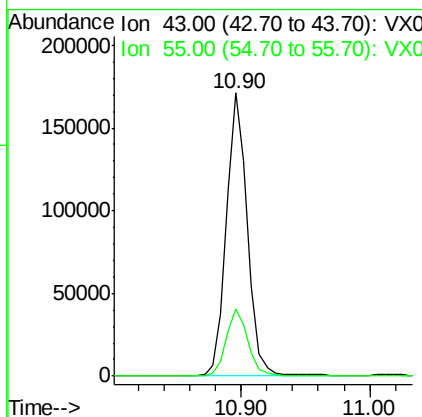
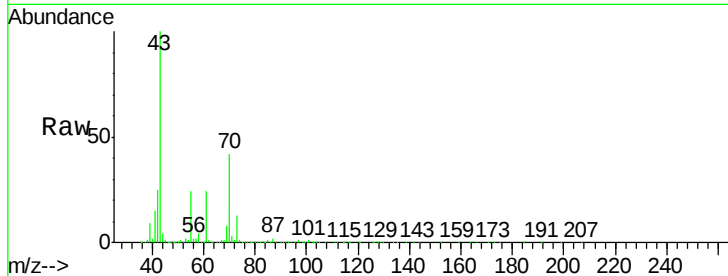
#47
n-amvl Acetate
Concen: 21.074 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
43	100		
55	24.2	19.9	29.9

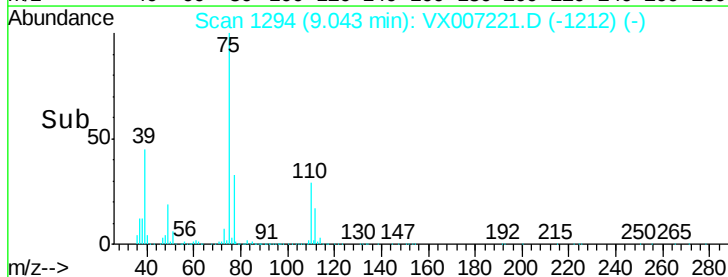
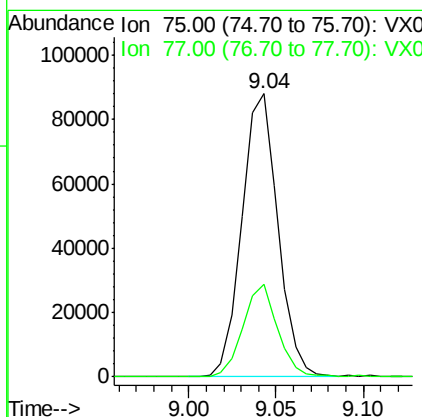
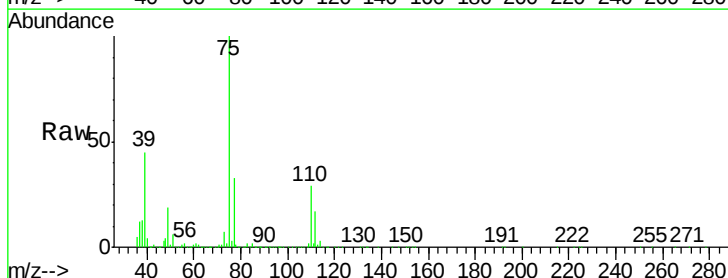
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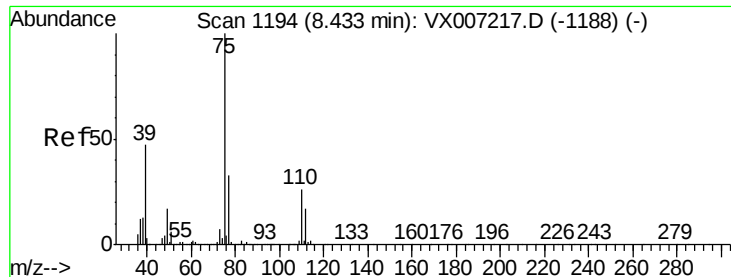
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#48
t-1,3-Dichloropropene
Concen: 19.331 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.7	40.1





#49

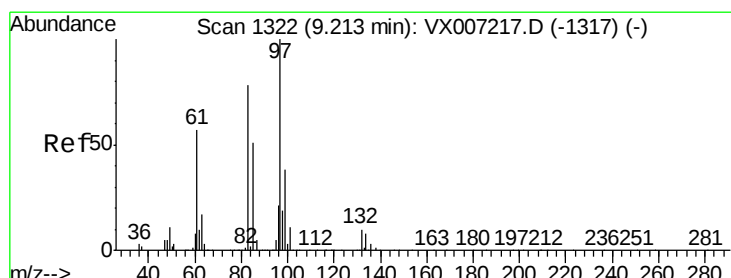
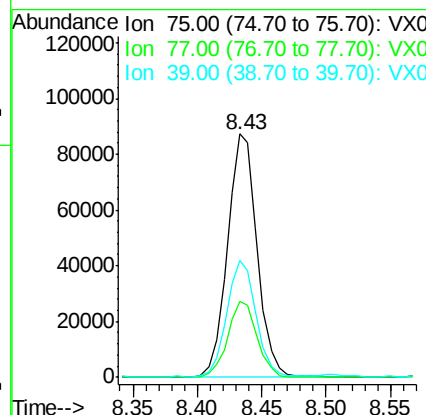
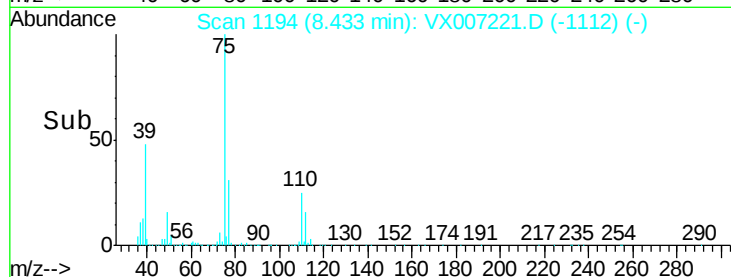
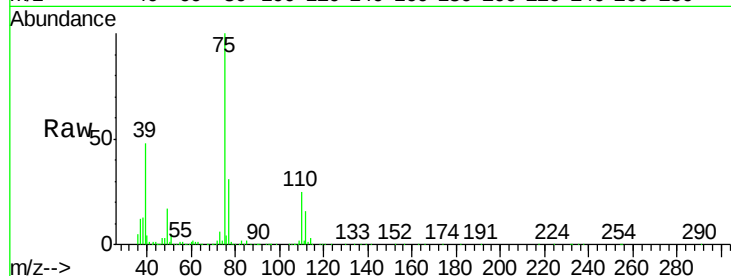
cis-1,3-Dichloropropene
 Concen: 19.461 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Tot Ion:	75	Resp:	140986
Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.2	39.4
39	47.9	37.2	55.8

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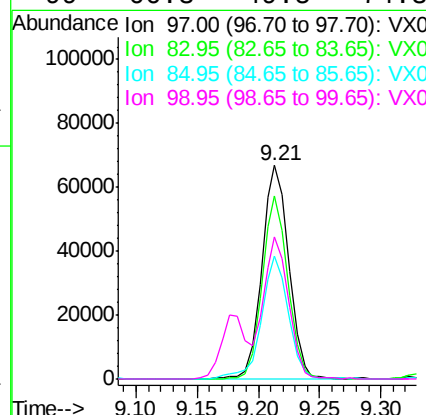
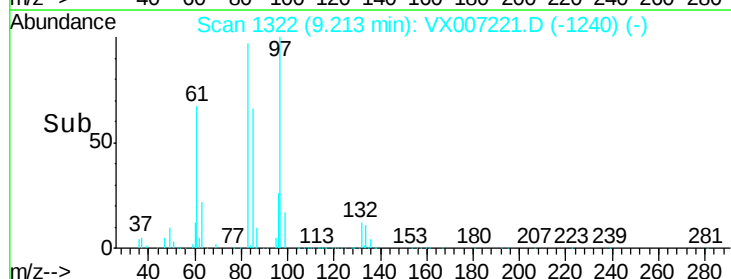
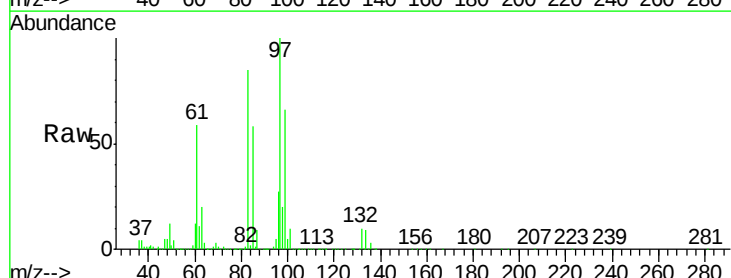
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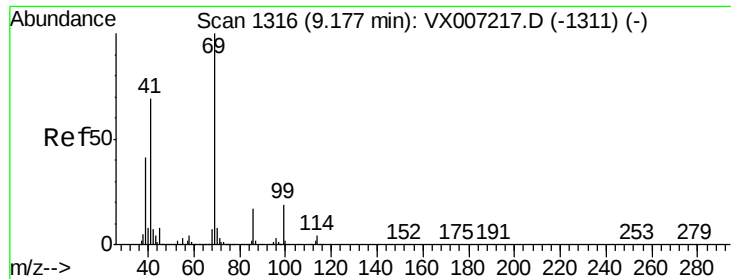


#50

1,1,2-Trichloroethane
 Concen: 20.028 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Tgt Ion:	97	Resp:	102408
Ion	Ratio	Lower	Upper
97	100		
83	85.3	62.5	93.7
85	57.6	41.8	62.6
99	66.3	49.5	74.3





#51

Ethyl methacrylate

Concen: 19.853 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

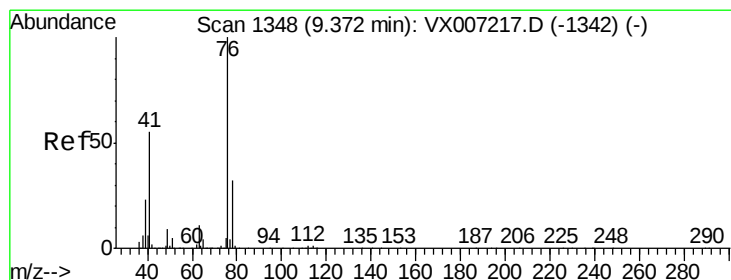
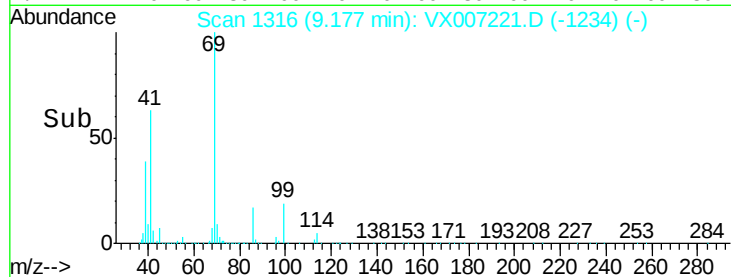
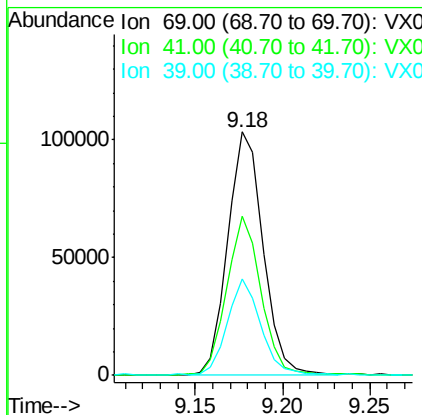
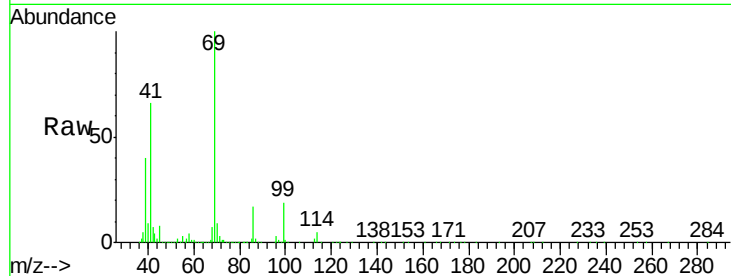
ClientSampleId :

VSTDICV020

Tot Ion:	69	Resp:	145054
Ion Ratio	Lower	Upper	
69	100		
41	65.3	34.2	102.6
39	39.7	20.3	60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.726 ug/l

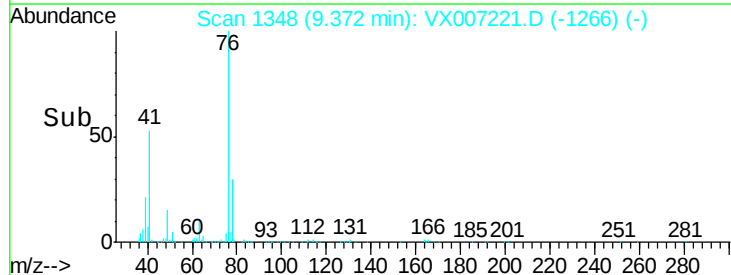
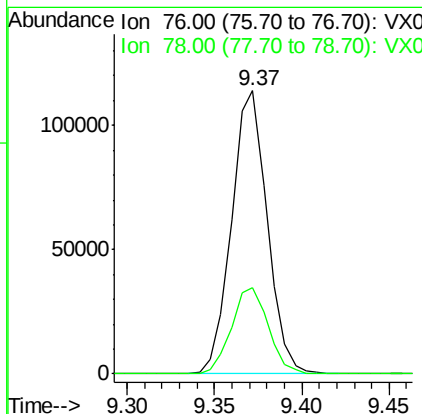
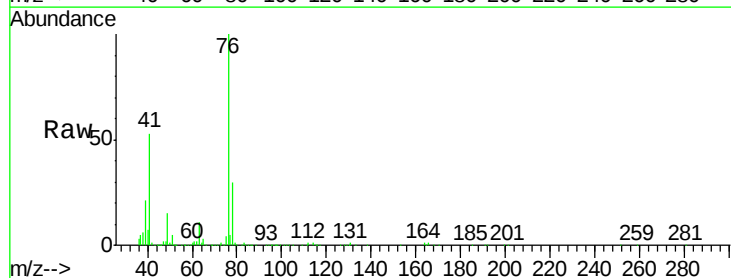
RT: 9.37 min Scan# 1348

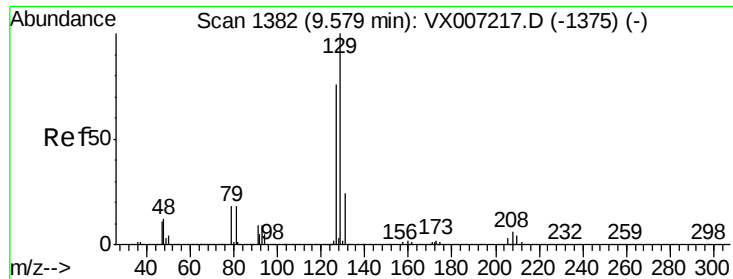
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	76	Resp:	161508
Ion Ratio	Lower	Upper	
76	100		
78	31.4	0.0	66.2





#53

Dibromochloromethane

Concen: 18.975 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion:129 Resp: 98066

Ion Ratio Lower Upper

129 100

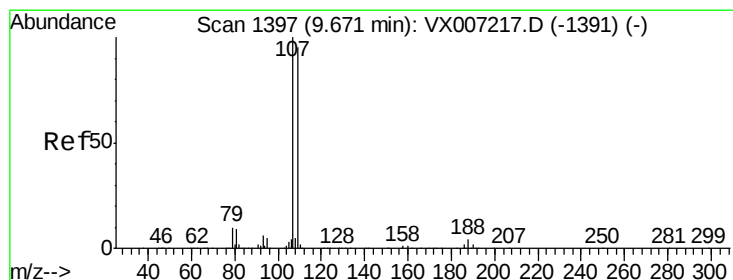
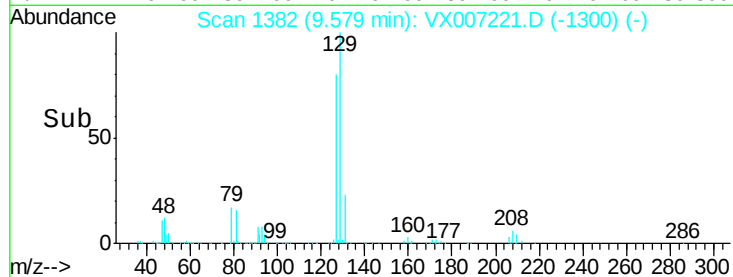
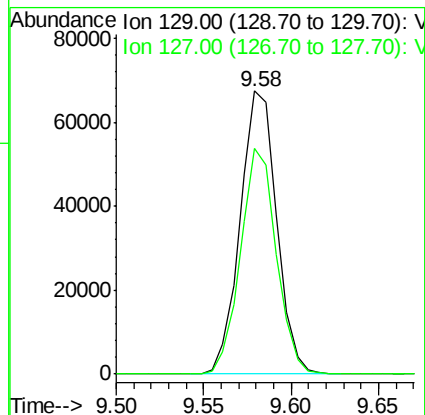
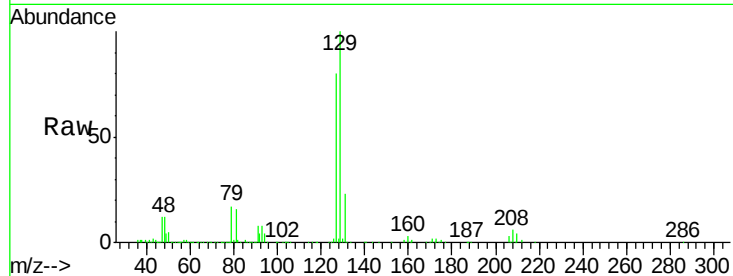
127 78.0 37.7 113.1

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 19.634 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007221.D

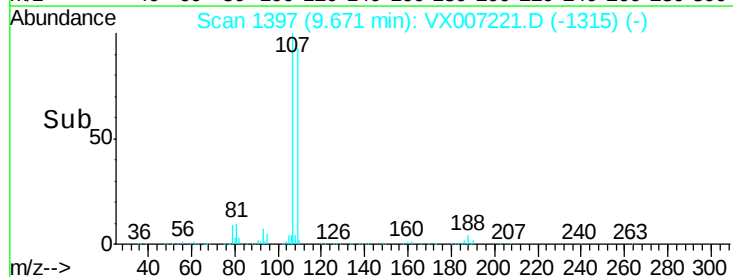
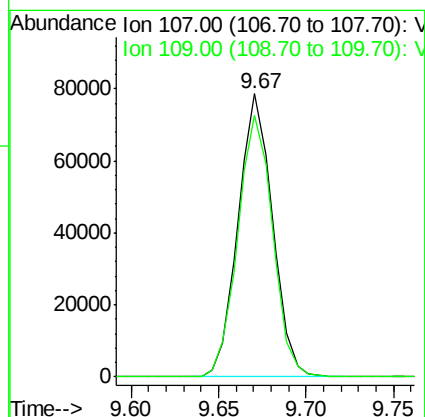
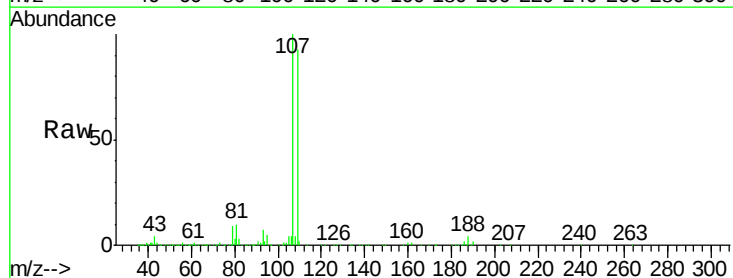
Acq: 25 Jan 2019 11:20

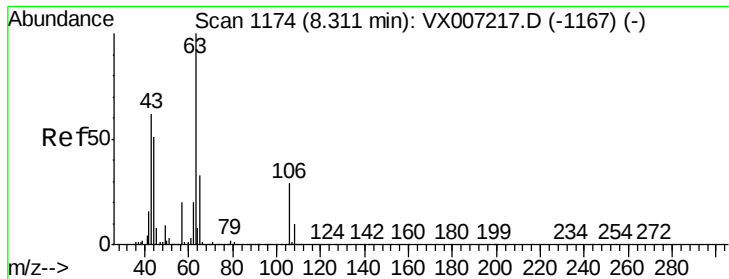
Tgt Ion:107 Resp: 108081

Ion Ratio Lower Upper

107 100

109 93.4 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 97.602 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

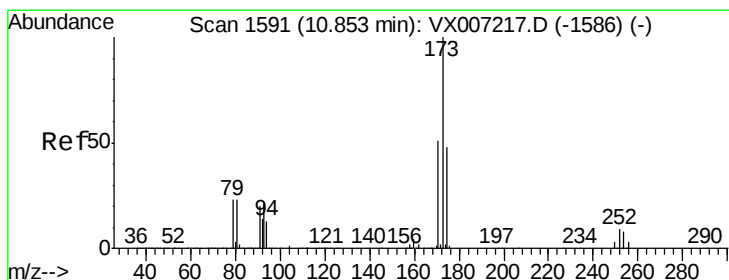
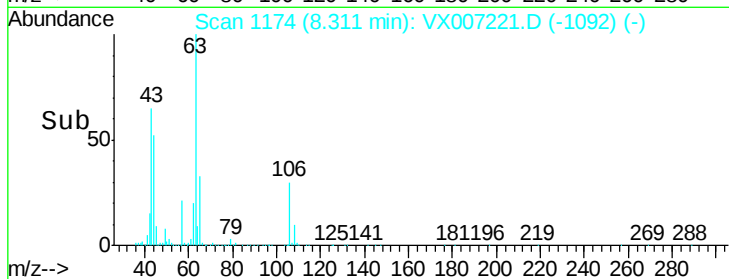
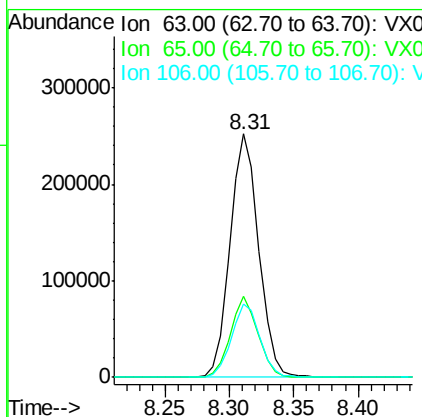
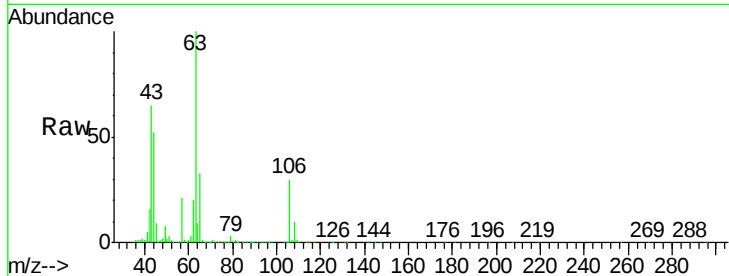
ClientSampleId :

VSTDICV020

Tot Ion:	63	Resp:	392295
Ion Ratio	Lower	Upper	
63	100		
65	31.8	25.9	38.9
106	29.9	23.8	35.8

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#56

Bromoform

Concen: 18.713 ug/l

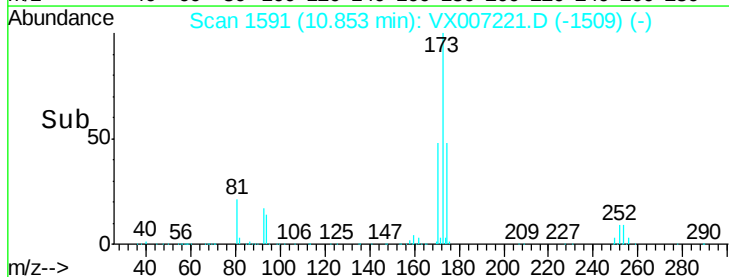
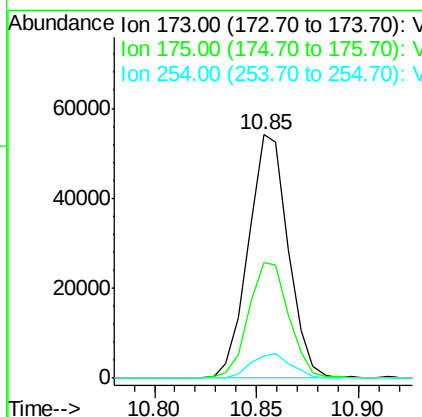
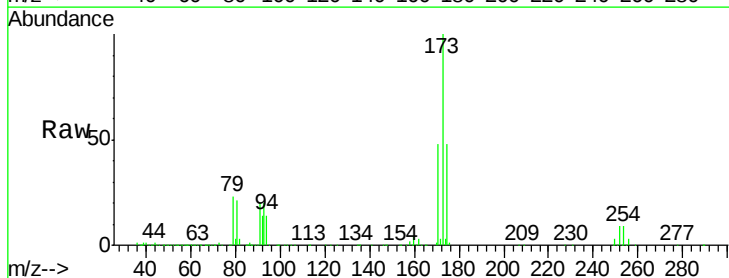
RT: 10.85 min Scan# 1591

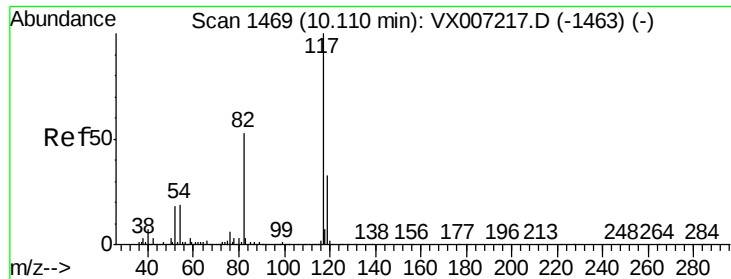
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	173	Resp:	73434
Ion Ratio	Lower	Upper	
173	100		
175	48.3	38.9	58.3
254	10.3	8.5	12.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

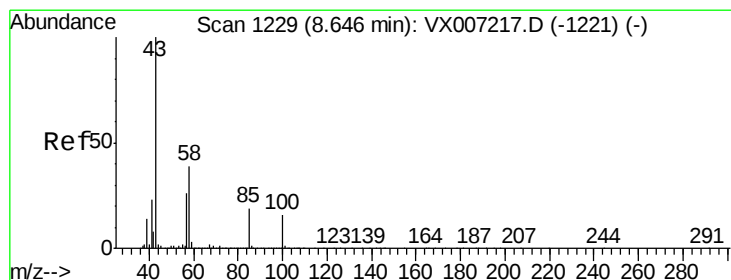
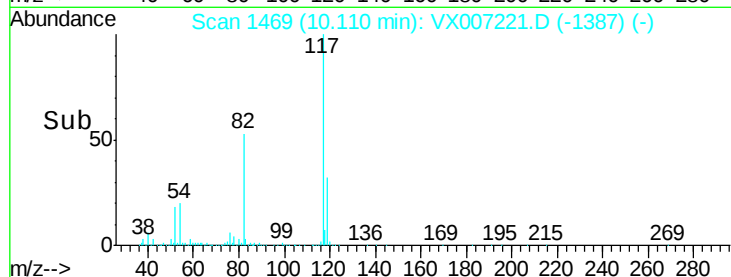
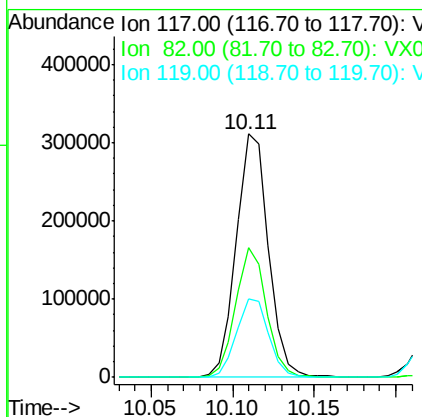
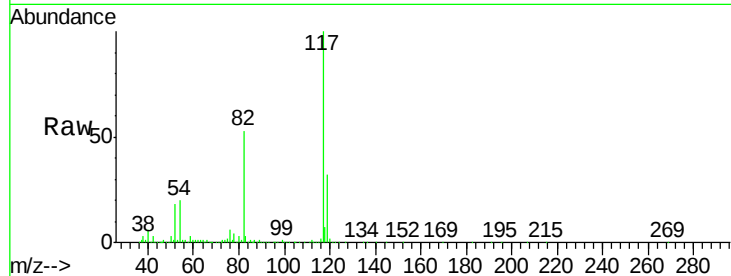
ClientSampleId :

VSTDICV020

Tot Ion:	117	Resp:	429559
Ion Ratio	Lower	Upper	
117	100		
82	51.0	41.4	62.0
119	32.5	25.7	38.5

Manual Integrations
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#58

4-Methyl-2-Pentanone

Concen: 100.463 ug/l

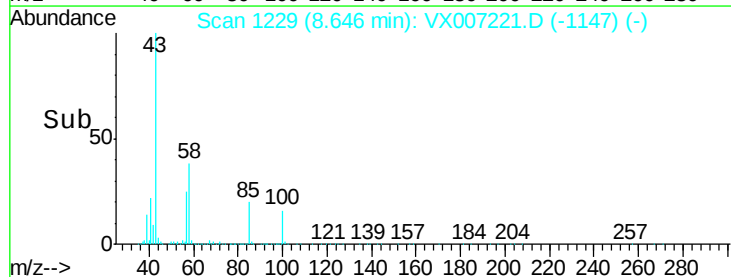
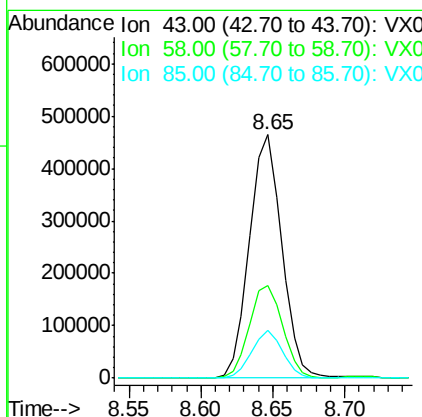
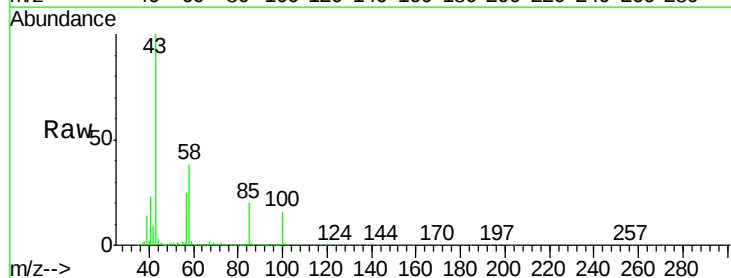
RT: 8.65 min Scan# 1229

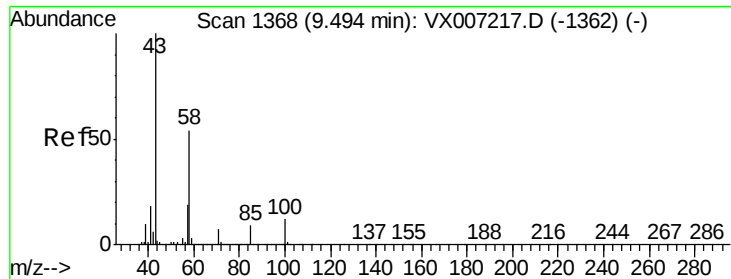
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	43	Resp:	721622
Ion Ratio	Lower	Upper	
43	100		
58	39.2	31.6	47.4
85	18.9	14.9	22.3





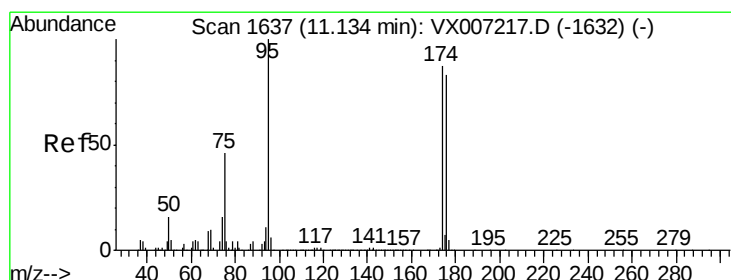
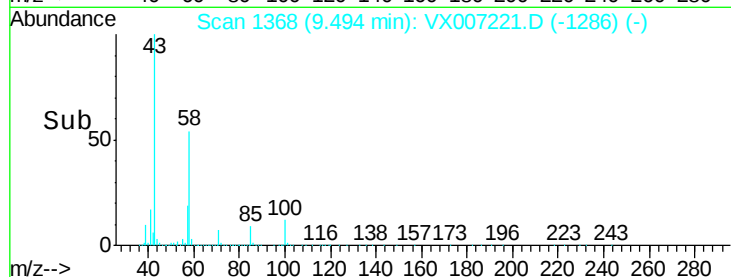
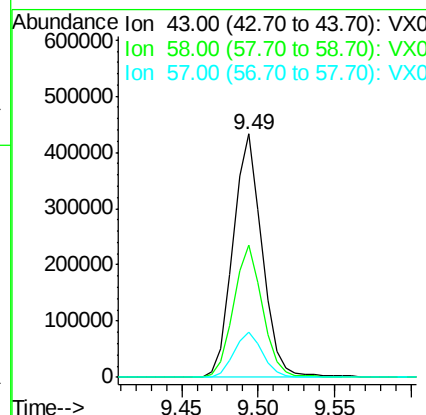
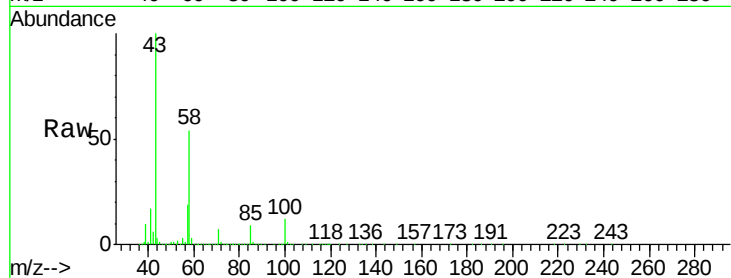
#59
2-Hexanone
Concen: 102.594 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	42.8	64.2
57	18.4	14.8	22.2

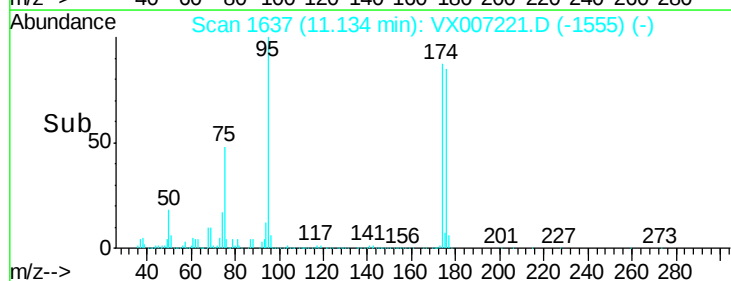
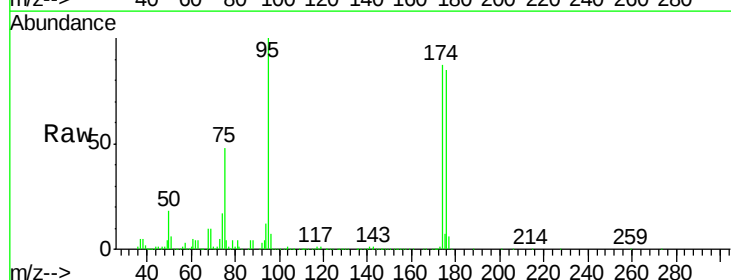
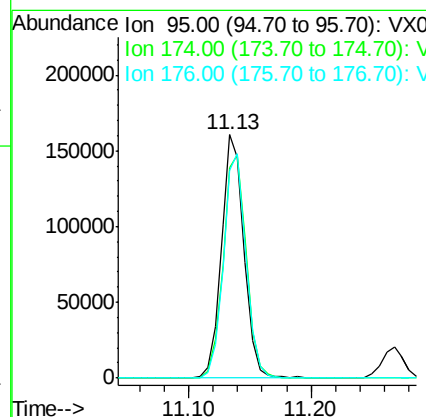
Manual Integrations
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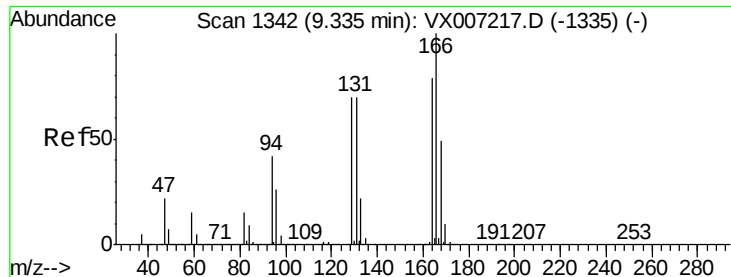
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 31.059 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	74.8	112.2
176	91.8	72.5	108.7





#61

Tetrachloroethene

Concen: 19.031 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion:164 Resp: 113946

Ion Ratio Lower Upper

164 100

166 128.5 101.6 152.4

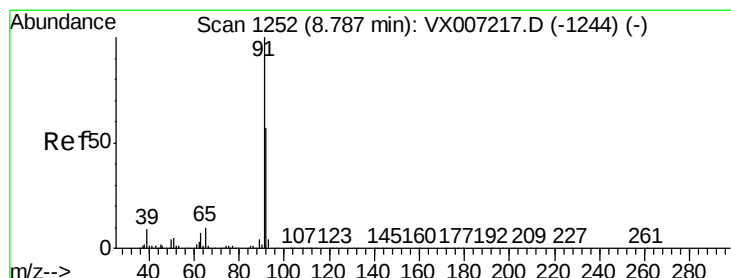
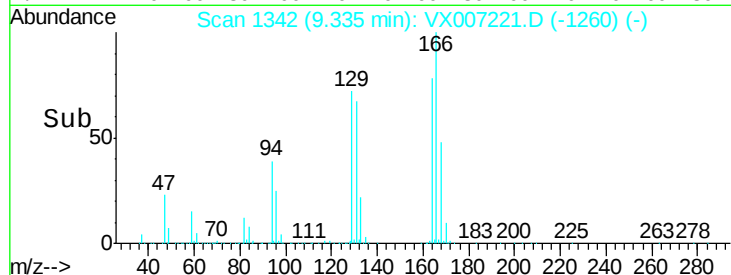
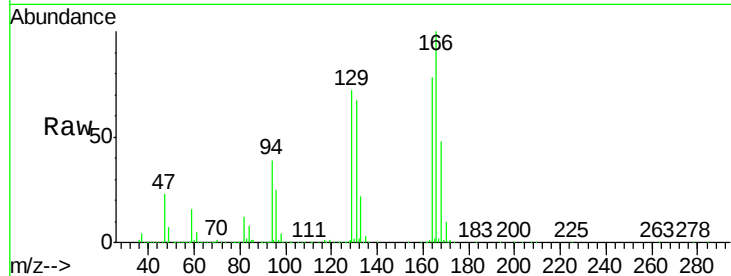
129 92.8 70.6 106.0

131 86.5 71.1 106.7

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#62

Toluene

Concen: 19.632 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007221.D

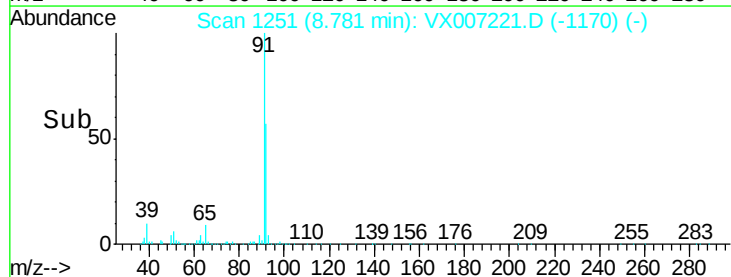
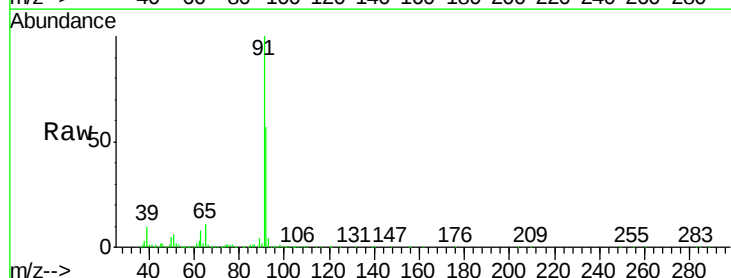
Acq: 25 Jan 2019 11:20

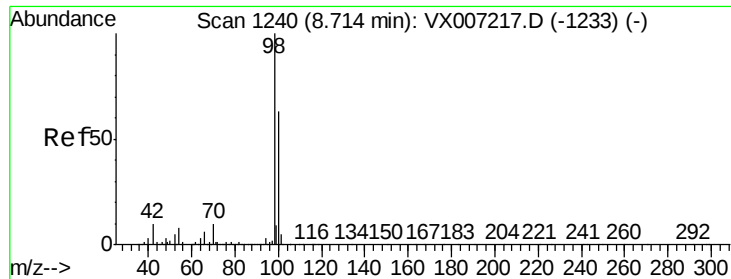
Tgt Ion: 91 Resp: 424484

Ion Ratio Lower Upper

91 100

92 57.8 46.0 69.0





#63

Toluene-d8

Concen: 29.431 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion: 98 Resp: 569852

Ion Ratio Lower Upper

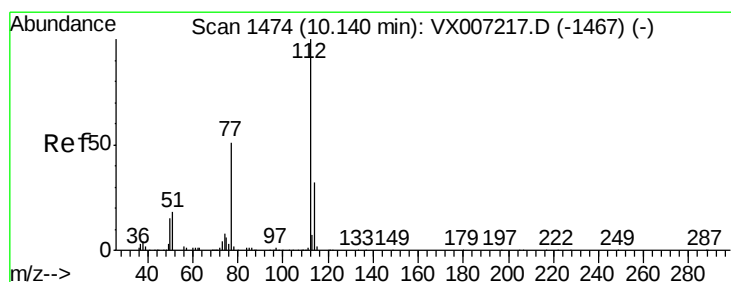
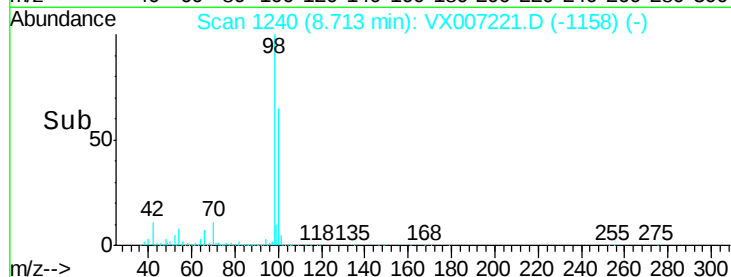
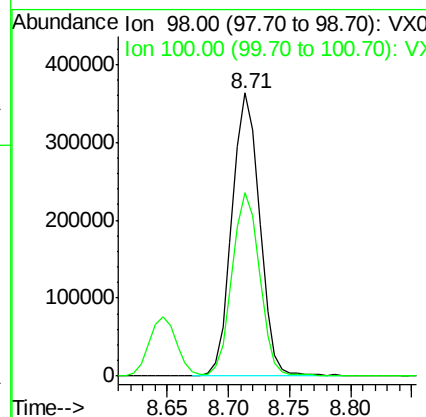
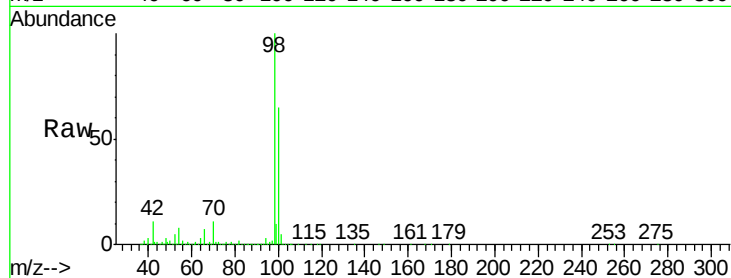
98 100

100 63.6 49.9 74.9

Manual Integrations
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#64

Chlorobenzene

Concen: 20.246 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007221.D

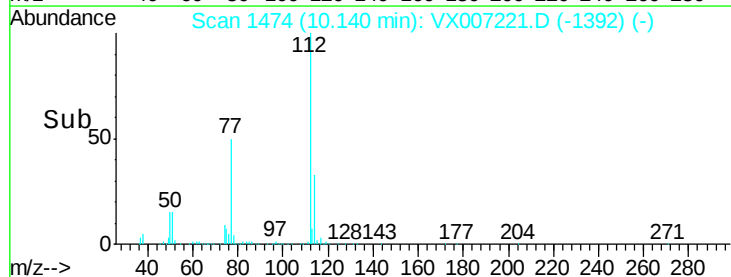
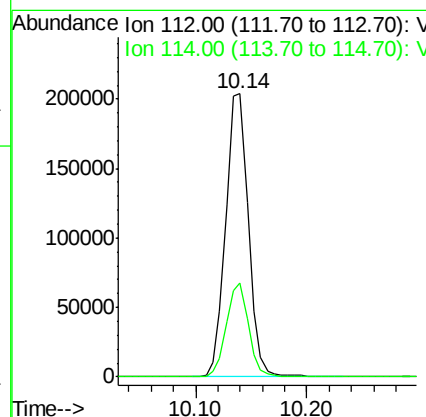
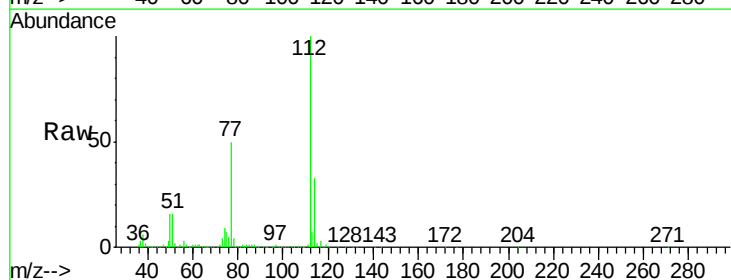
Acq: 25 Jan 2019 11:20

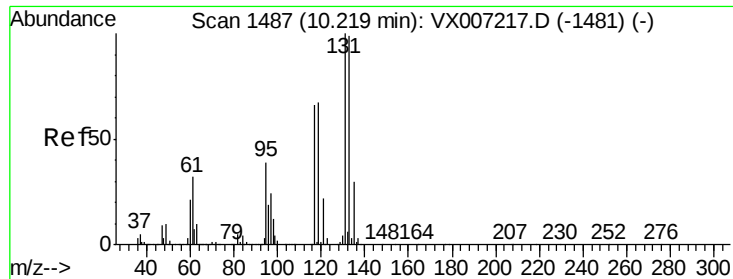
Tgt Ion: 112 Resp: 288784

Ion Ratio Lower Upper

112 100

114 33.3 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.370 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

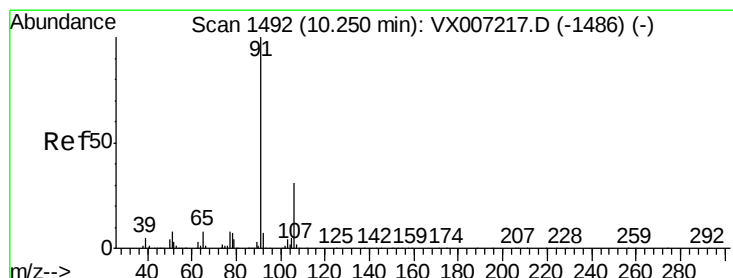
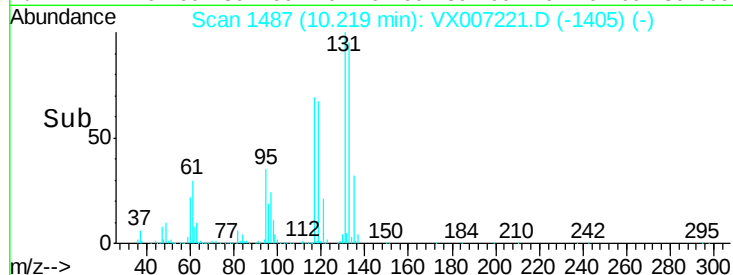
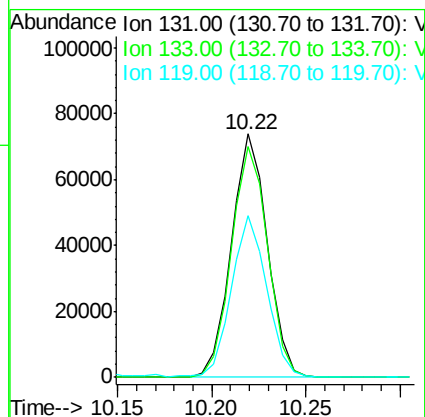
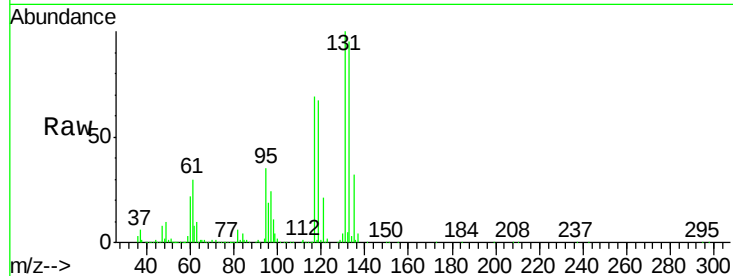
ClientSampleId :

VSTDICV020

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.4	0.0	196.4
119	65.6	0.0	134.4

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#66

Ethyl Benzene

Concen: 20.107 ug/l

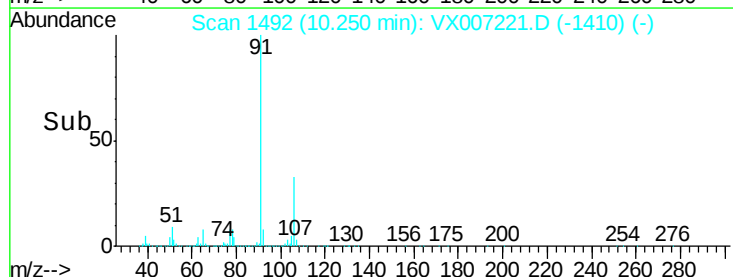
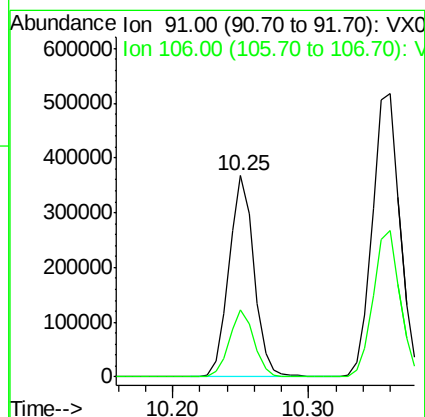
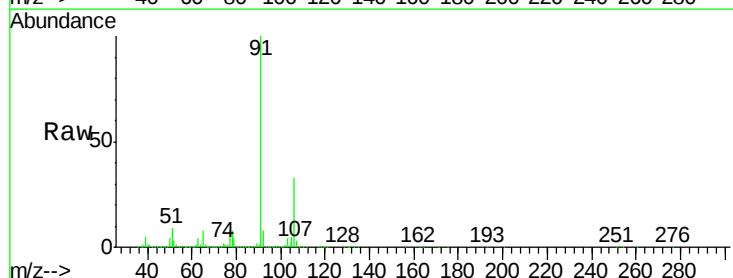
RT: 10.25 min Scan# 1492

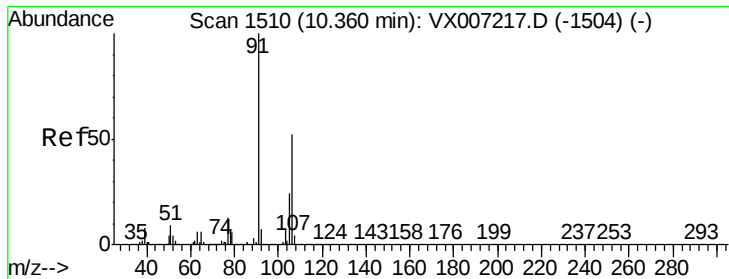
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.2	25.1	37.7





#67

m/p-Xylenes

Concen: 39.924 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion:106 Resp: 369355

Ion Ratio Lower Upper

106 100

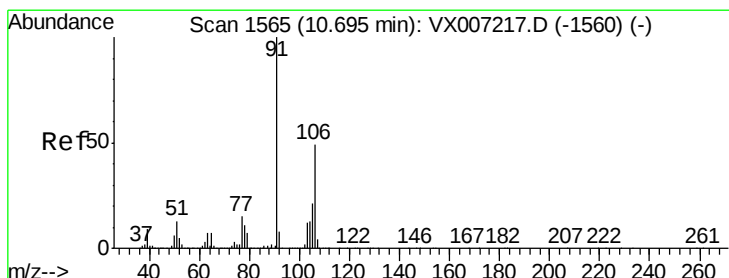
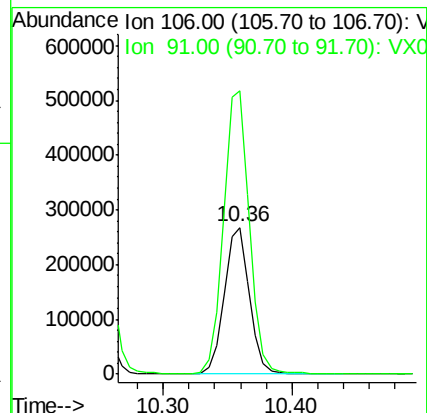
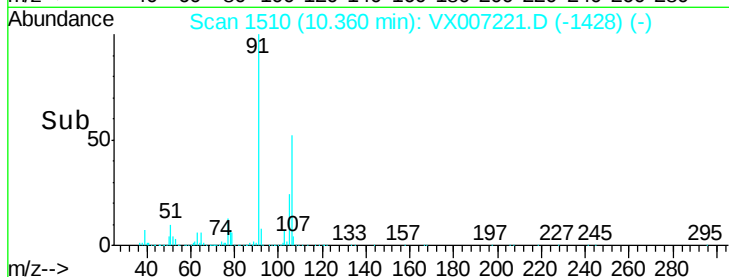
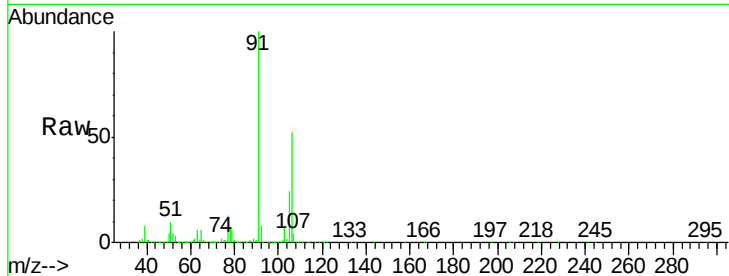
91 196.6 157.6 236.4

Manual Integrations

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#68

o-Xylene

Concen: 20.145 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX007221.D

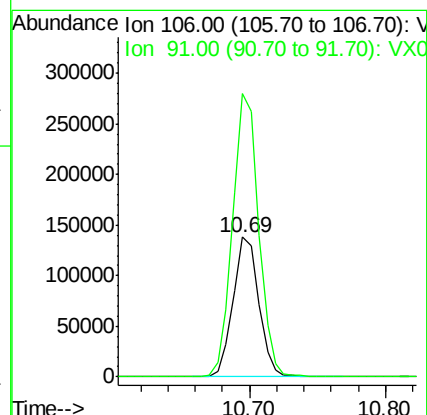
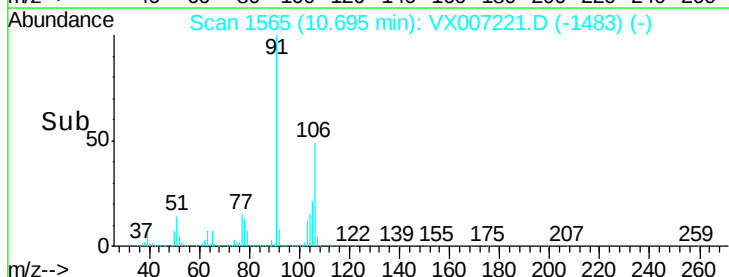
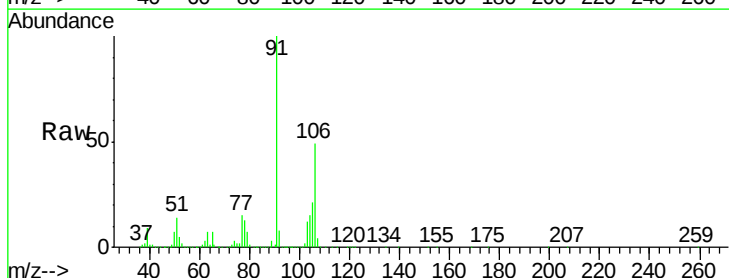
Acq: 25 Jan 2019 11:20

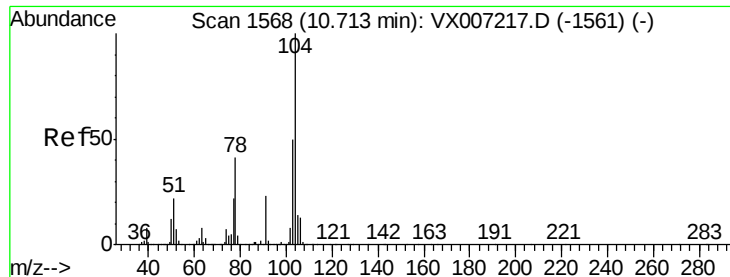
Tgt Ion:106 Resp: 182572

Ion Ratio Lower Upper

106 100

91 203.0 103.6 310.8





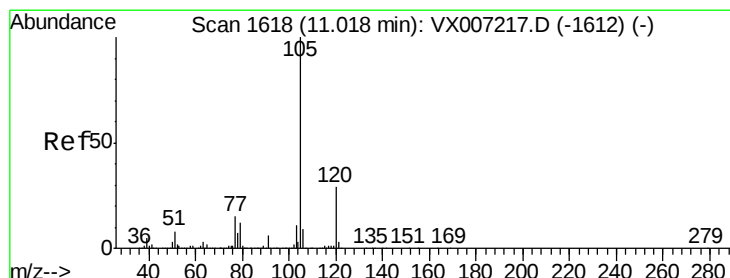
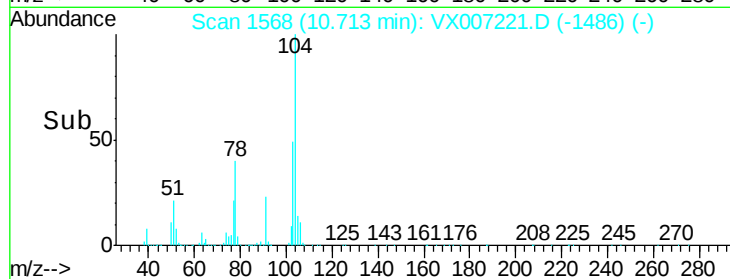
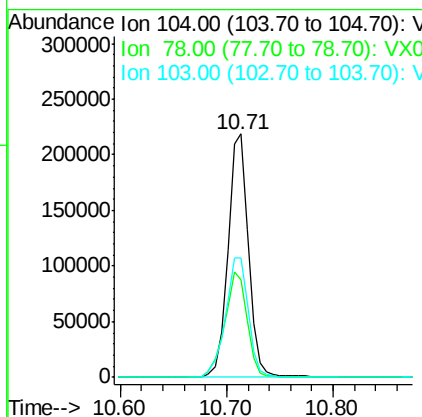
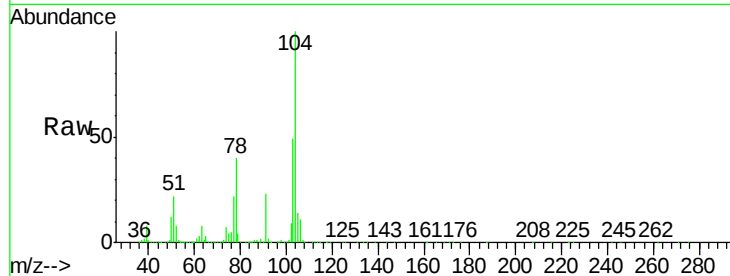
#69
Stvrene
Concen: 20.159 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.2	37.8	56.8
103	55.2	45.3	67.9

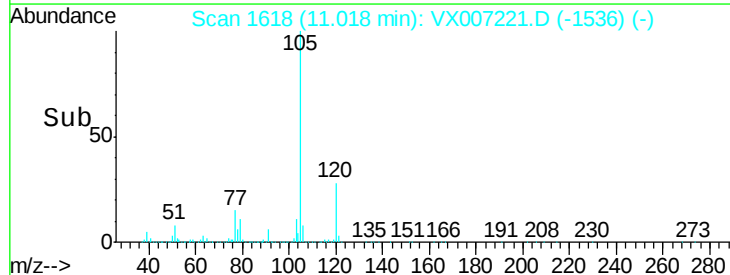
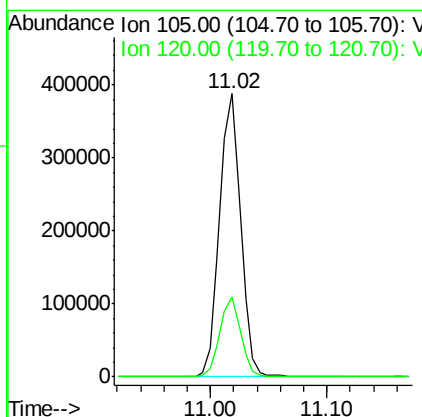
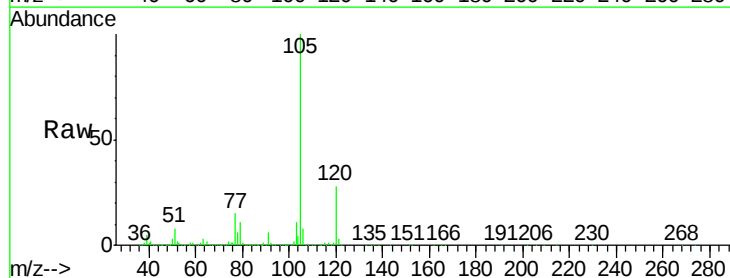
Manual Integrations
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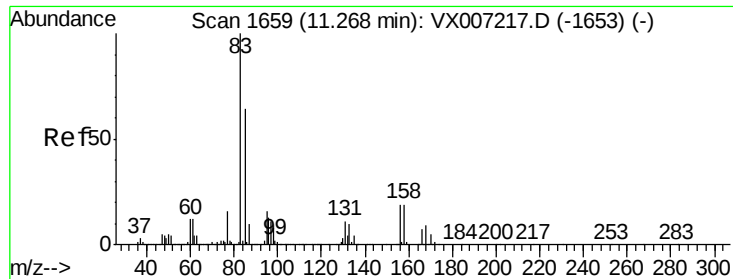
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#70
Isopropylbenzene
Concen: 20.319 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	19.9	36.9





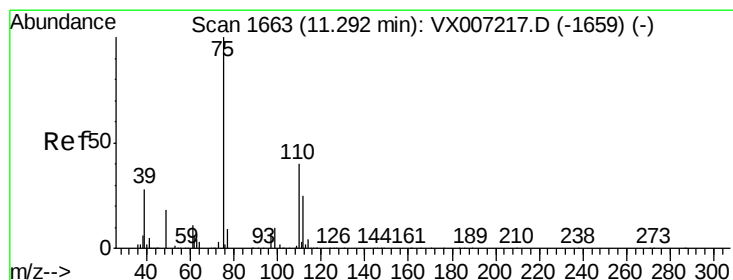
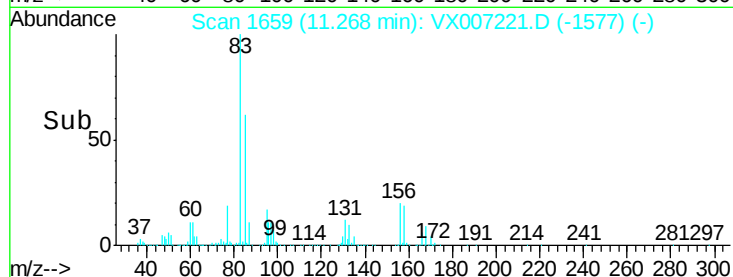
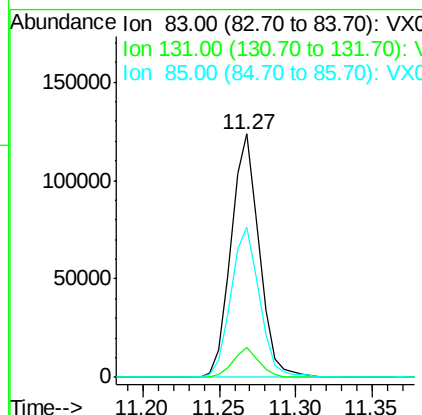
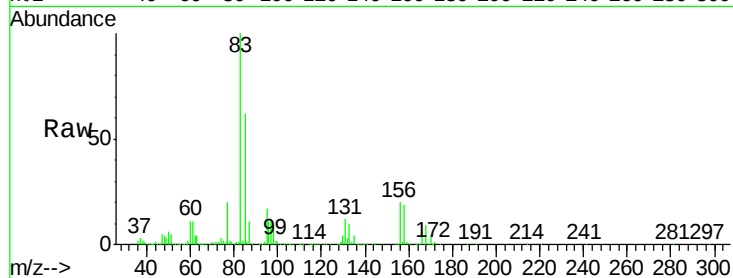
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.515 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	157588		
131	11.4	5.3	15.9	
85	62.9	31.8	95.3	

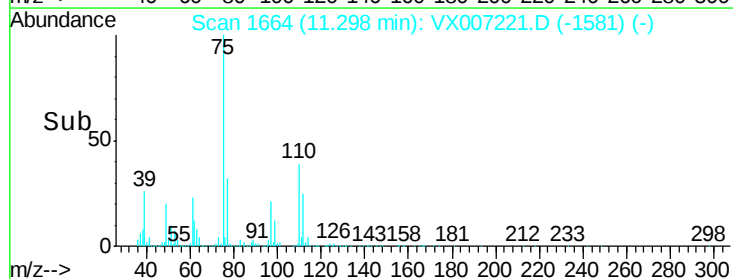
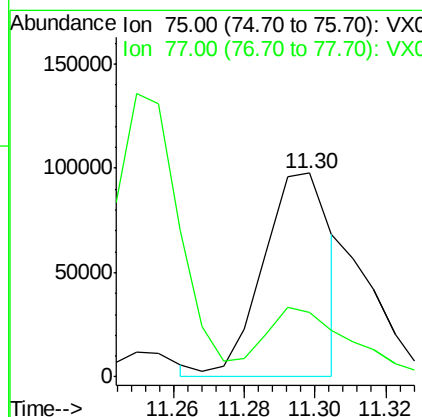
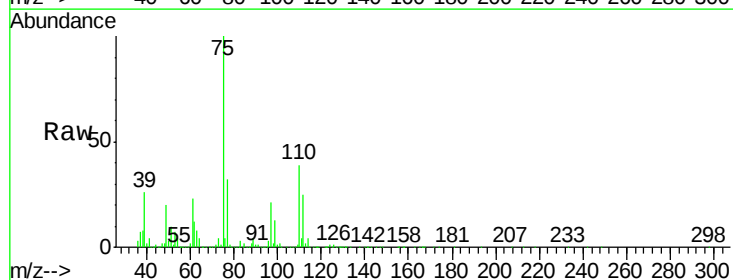
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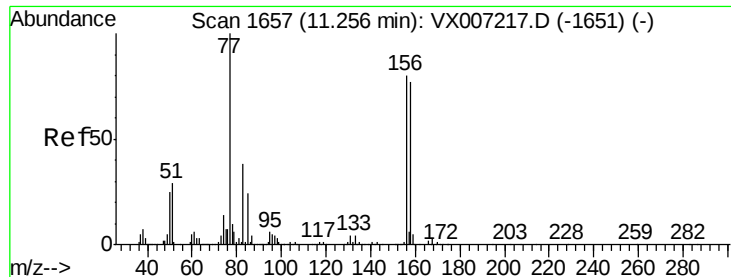
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#72
 1,2,3-Trichloropropane
 Concen: 17.860 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128991		
77	44.4	0.0	73.2	





#73

Bromobenzene

Concen: 20.159 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

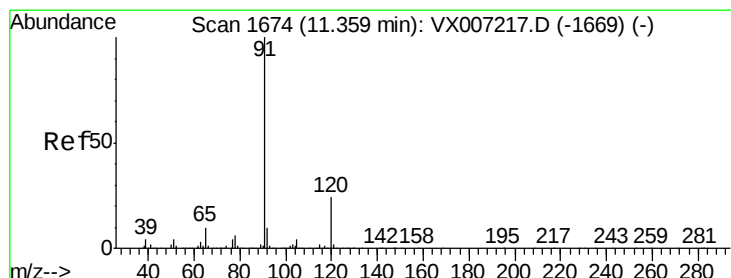
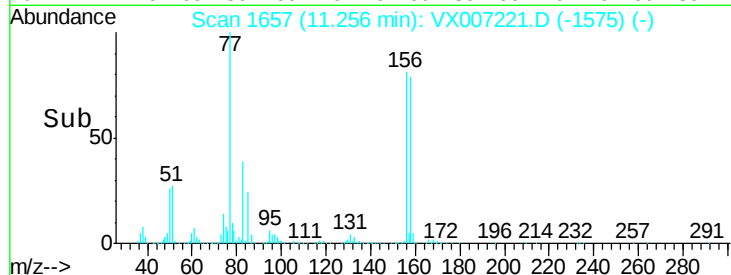
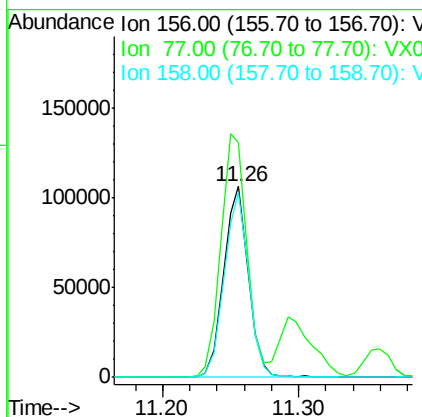
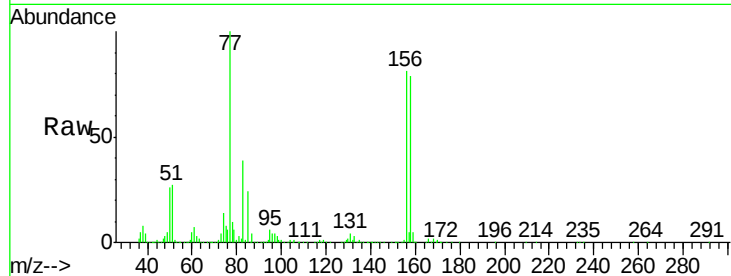
ClientSampleId :

VSTDICV020

Tot Ion:	156	Resp:	133872
Ion Ratio	Lower	Upper	
156	100		
77	133.3	0.0	267.0
158	95.8	0.0	194.6

Manual Integrations
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#74

n-propylbenzene

Concen: 20.522 ug/l

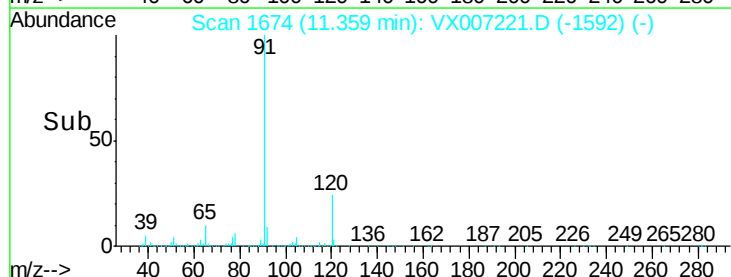
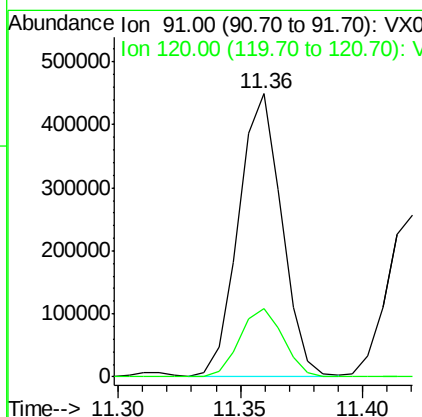
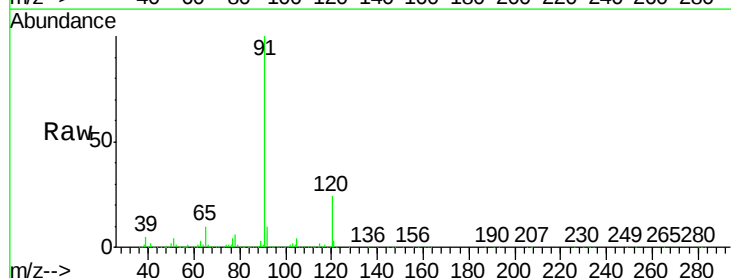
RT: 11.36 min Scan# 1674

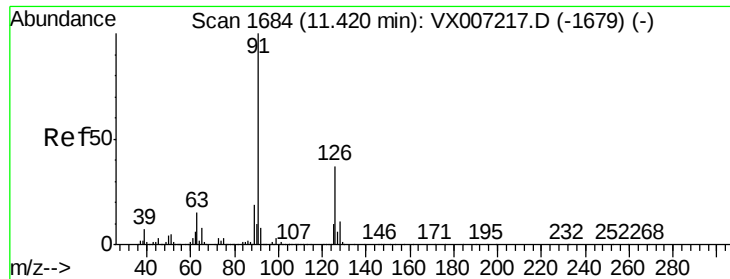
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	91	Resp:	554136
Ion Ratio	Lower	Upper	
91	100		
120	24.4	0.0	48.0





#75

2-Chlorotoluene

Concen: 20.414 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampled :

VSTDICV020

Tot Ion: 91 Resp: 326887

Ion Ratio Lower Upper

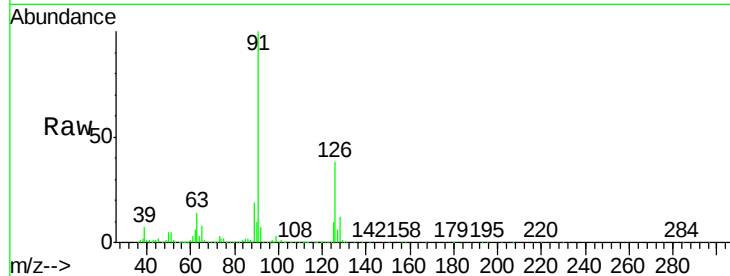
91 100

126 36.7 0.0 72.8

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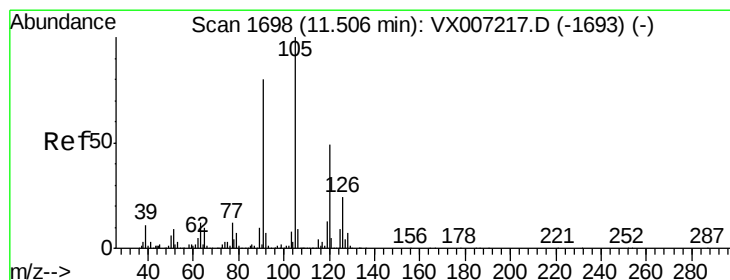
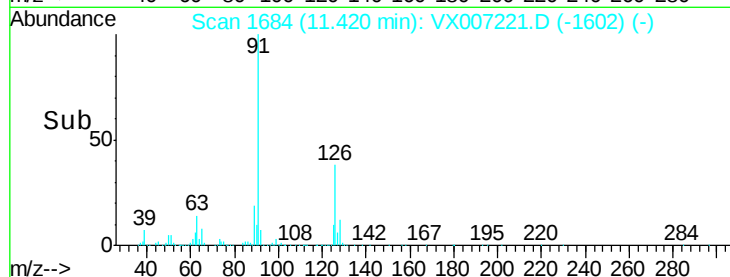
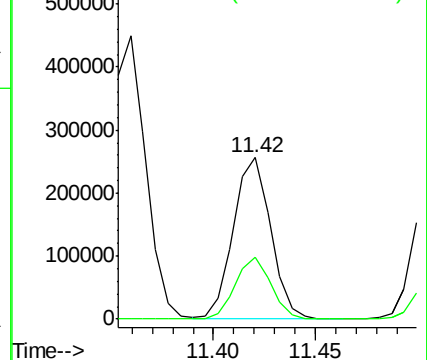
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 20.394 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007221.D

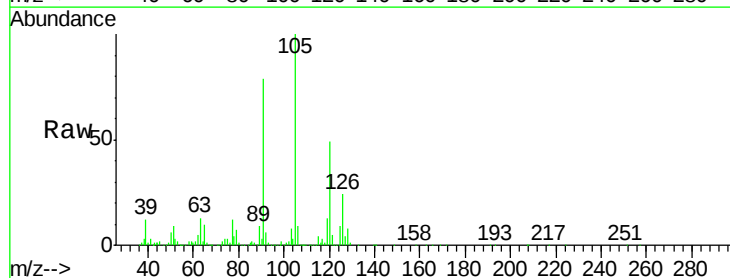
Acq: 25 Jan 2019 11:20

Tgt Ion: 105 Resp: 408376

Ion Ratio Lower Upper

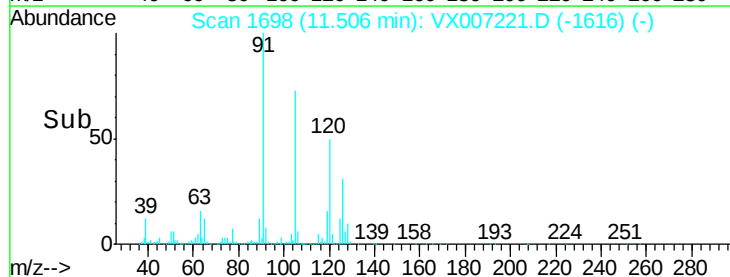
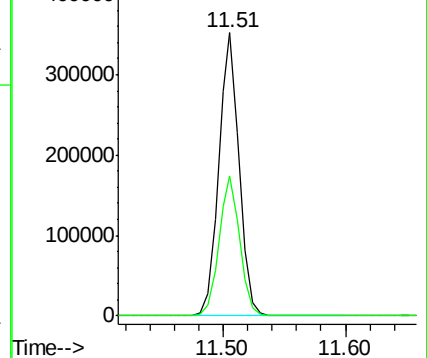
105 100

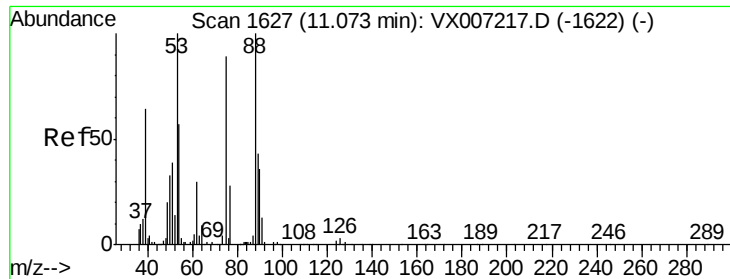
120 50.1 0.0 99.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





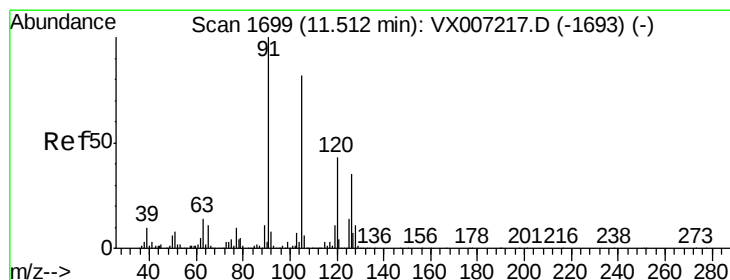
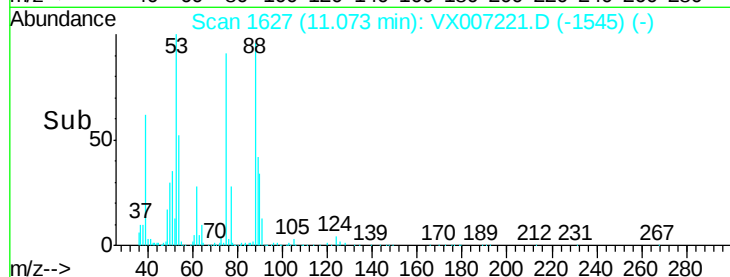
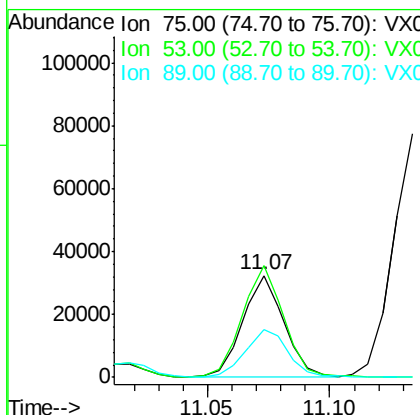
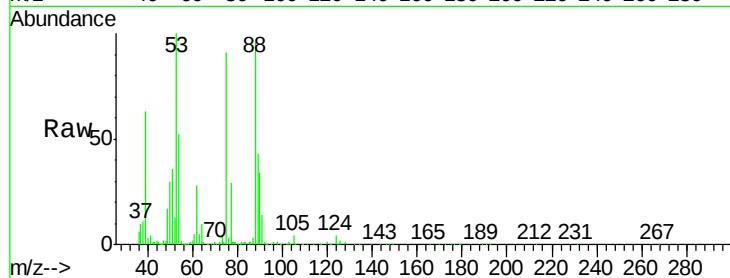
#77
t-1,4-Dichloro-2-butene
Concen: 17.963 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampled :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.8	55.9	167.6
89	46.8	24.1	72.4

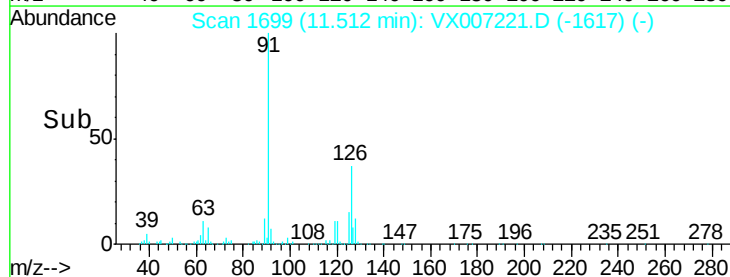
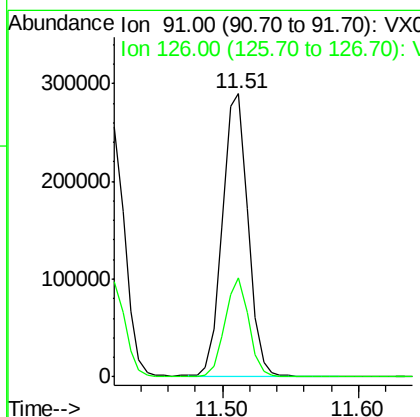
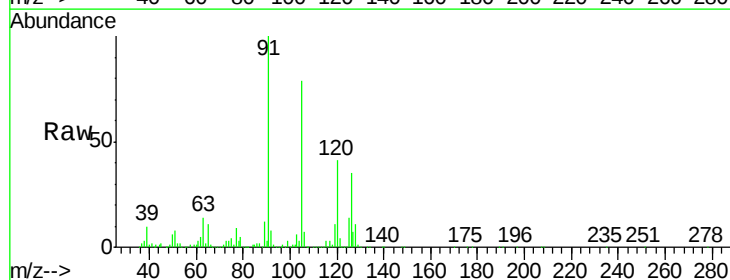
Manual Integrations
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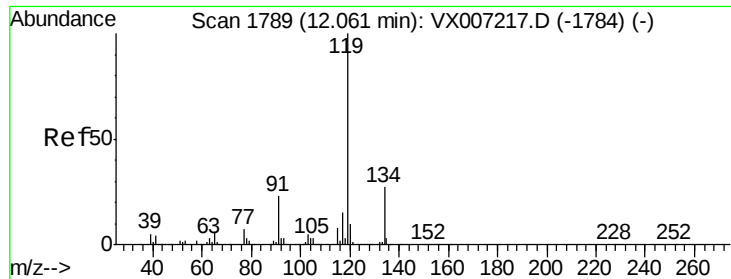
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#78
4-Chlorotoluene
Concen: 20.307 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	0.0	63.8





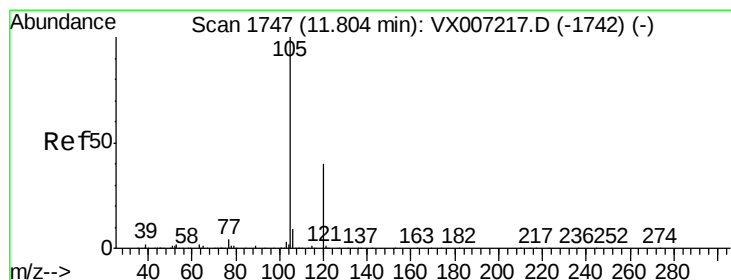
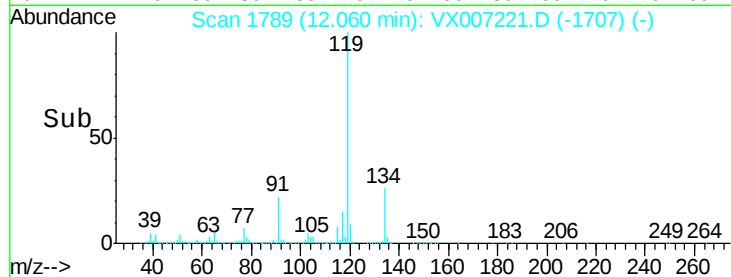
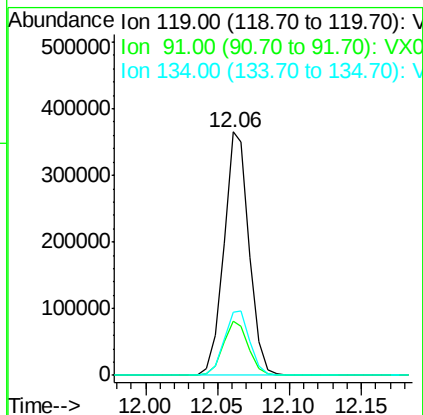
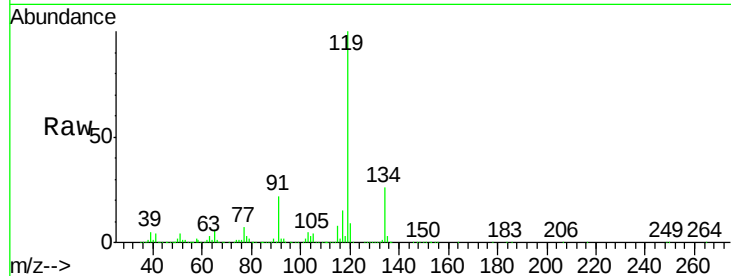
#79
tert-butylbenzene
Concen: 20.676 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	447962		
91	22.0	0.0	45.0	
134	27.3	0.0	55.8	

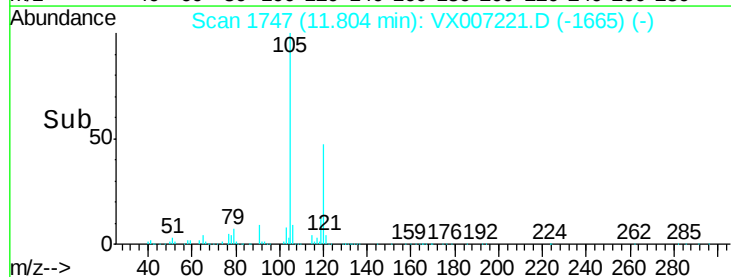
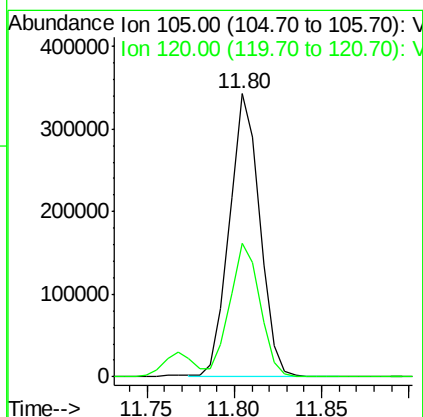
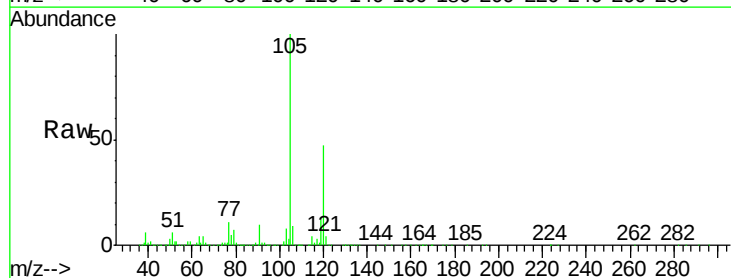
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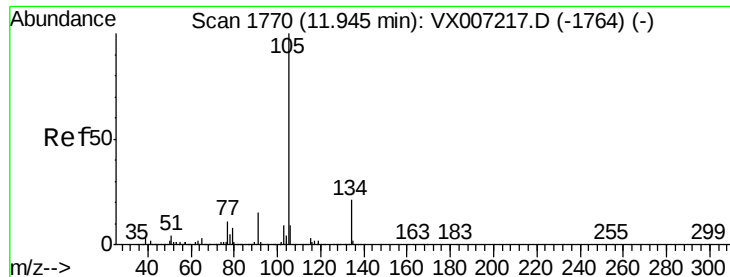
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#80
1,2,4-Trimethylbenzene
Concen: 20.434 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	414310		
120	46.7	0.0	94.4	





#81

sec-Butylbenzene

Concen: 20.805 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICV020

Tot Ion:105 Resp: 502349

Ion Ratio Lower Upper

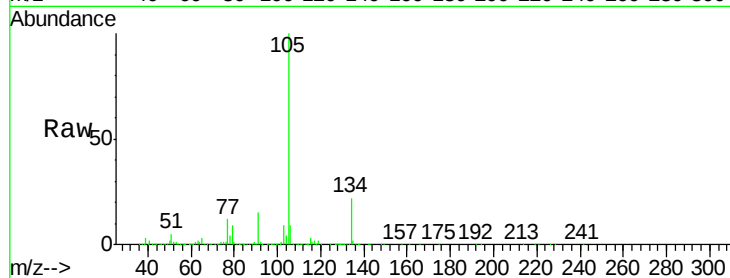
105 100

134 21.2 0.0 42.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

300000

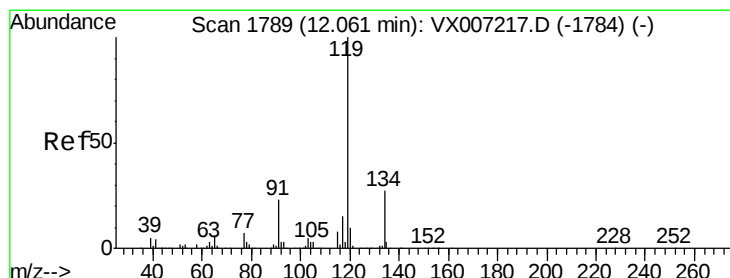
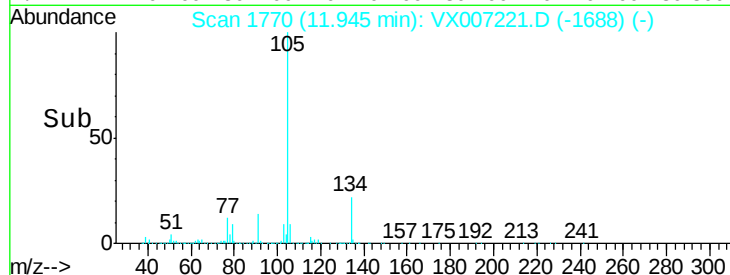
200000

100000

0

Time-->

11.90 11.95 12.00



#82

p-Isopropyltoluene

Concen: 20.676 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

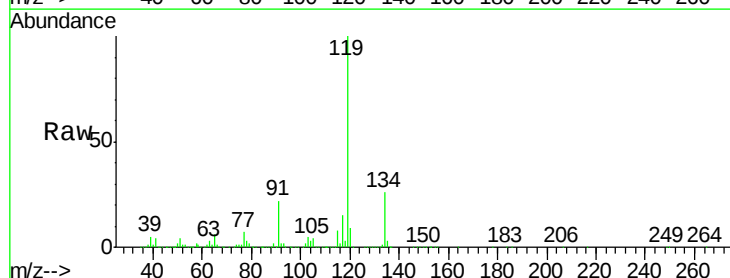
Tgt Ion:119 Resp: 447962

Ion Ratio Lower Upper

119 100

134 27.3 0.0 55.8

91 22.0 0.0 45.0



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

12.06

500000

400000

300000

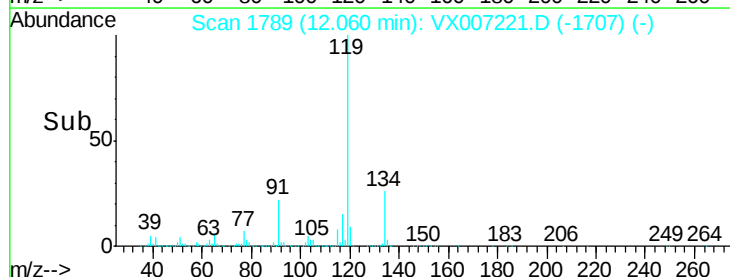
200000

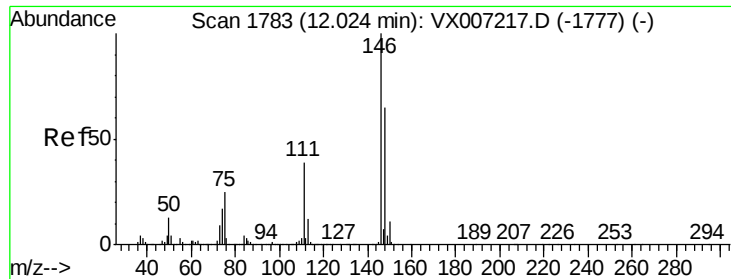
100000

0

Time-->

12.00 12.05 12.10 12.15





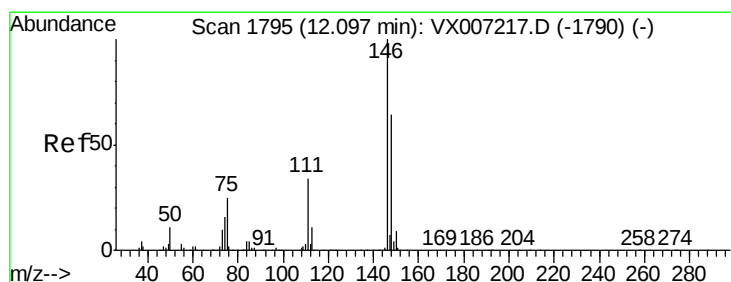
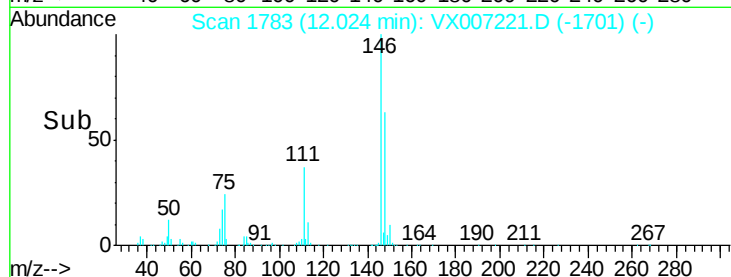
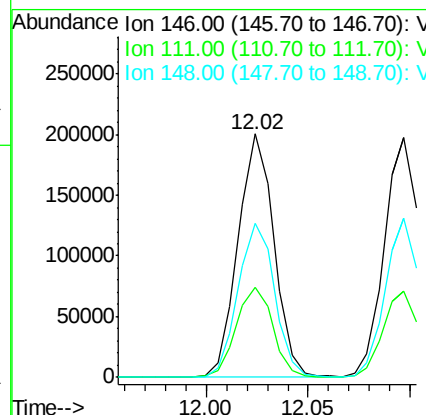
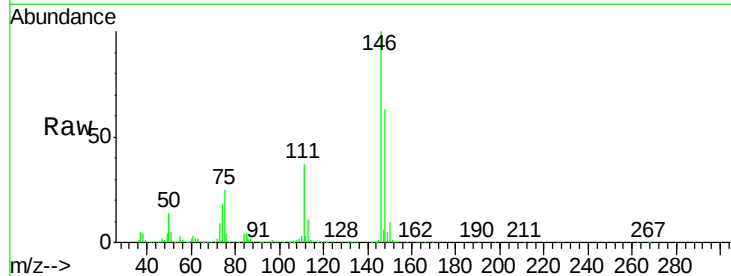
#83
 1,3-Dichlorobenzene
 Concen: 20.705 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.5	31.6	94.7

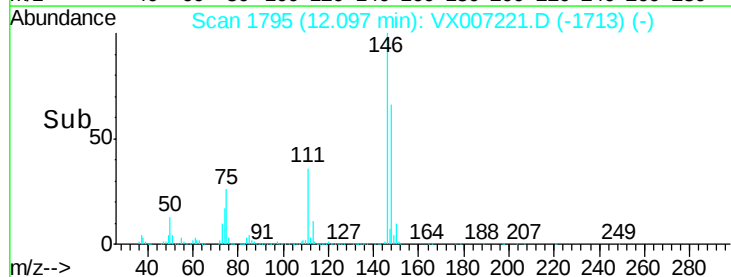
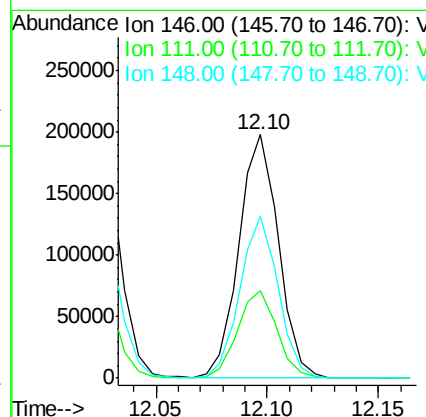
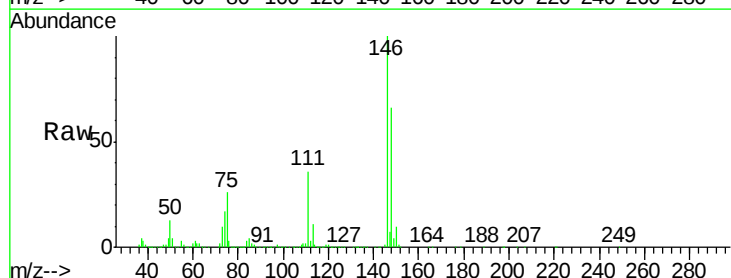
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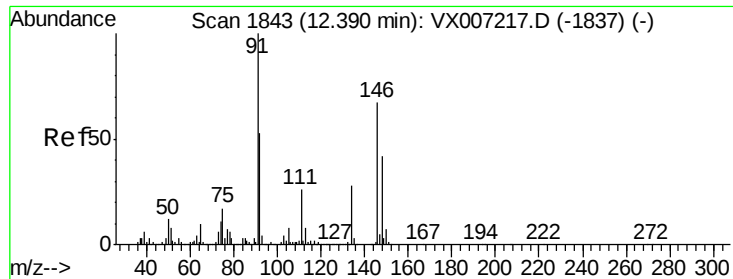
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#84
 1,4-Dichlorobenzene
 Concen: 20.605 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007221.D
 Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.4	52.2
148	65.0	31.9	95.5





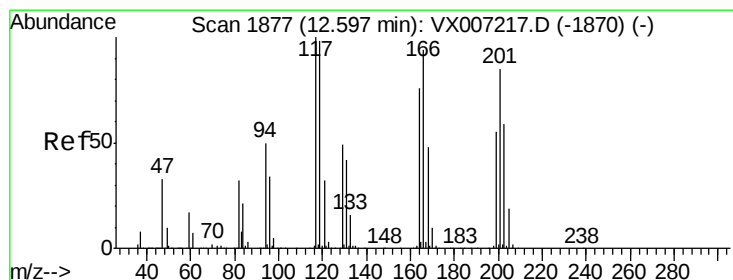
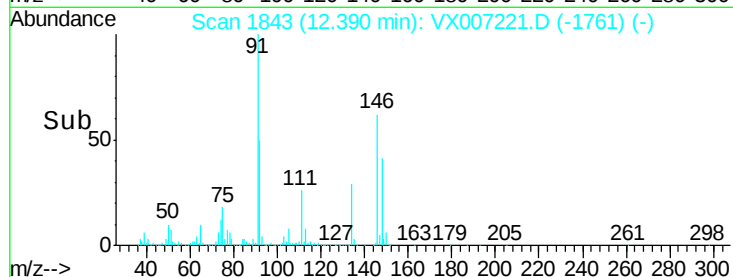
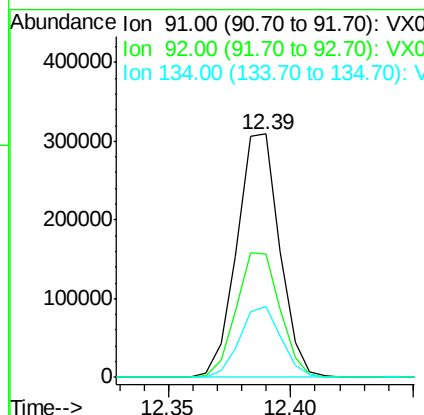
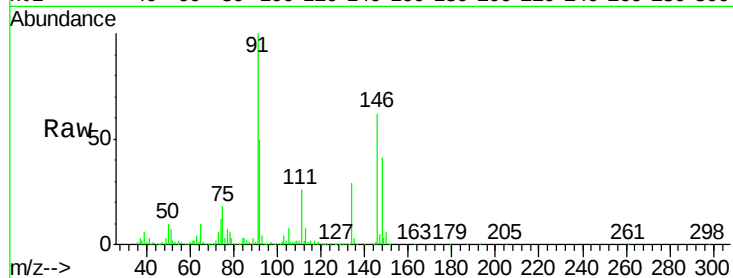
#85
n-Butylbenzene
Concen: 20.206 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	106.2
134	28.1	0.0	55.4

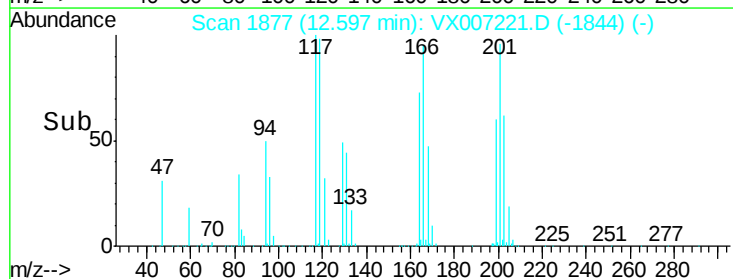
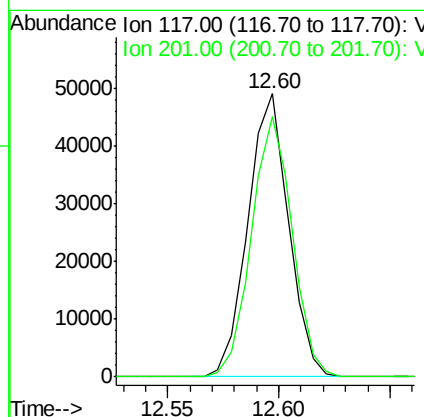
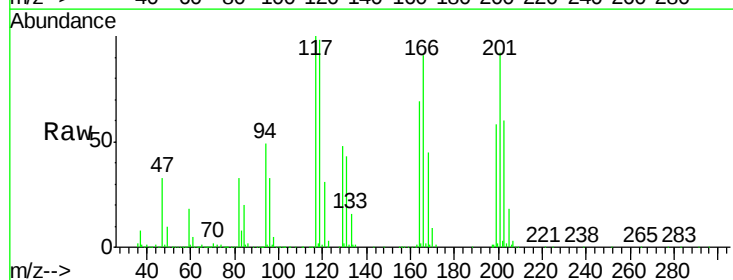
Manual Integrations
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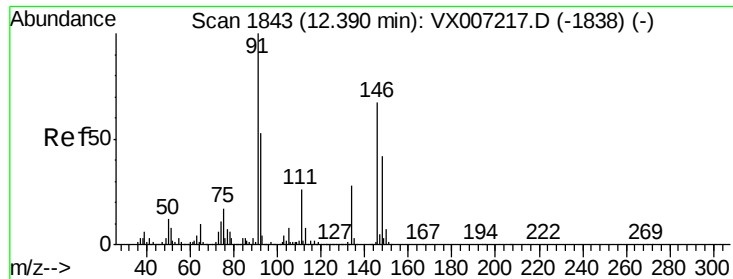
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#86
Hexachloroethane
Concen: 18.713 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.8	41.6	124.8





#87

1,2-Dichlorobenzene

Concen: 20.702 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Instrument :

MSVOA_X

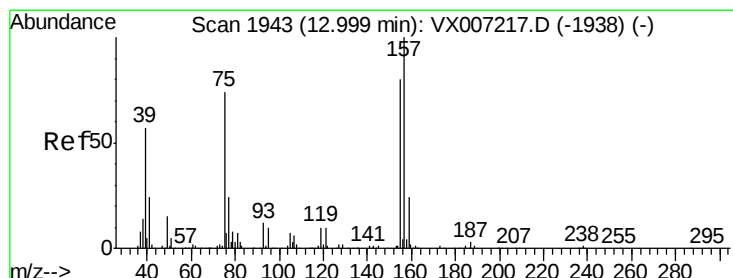
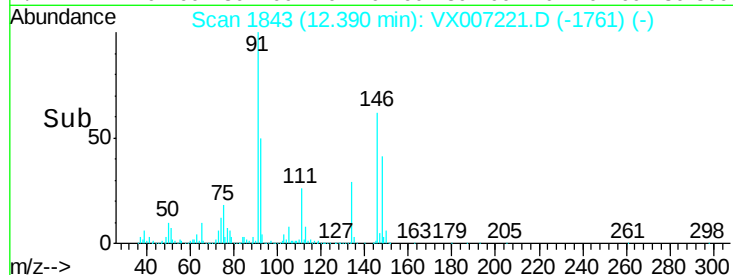
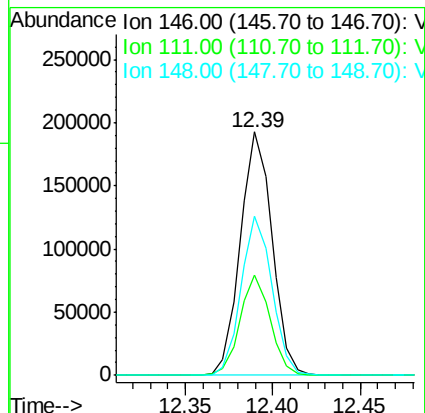
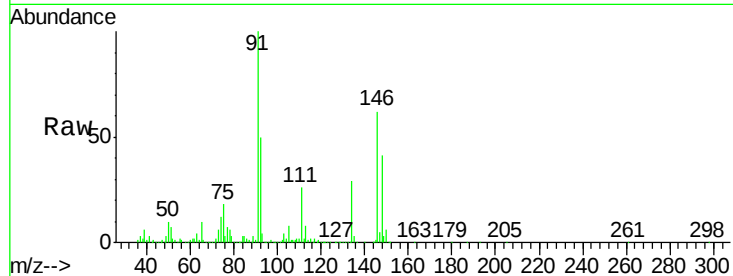
ClientSampled :

VSTDICV020

Tot Ion:	146	Resp:	243328
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.3	57.9
148	63.7	32.0	96.0

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#88

1,2-Dibromo-3-Chloropropane

Concen: 21.002 ug/l

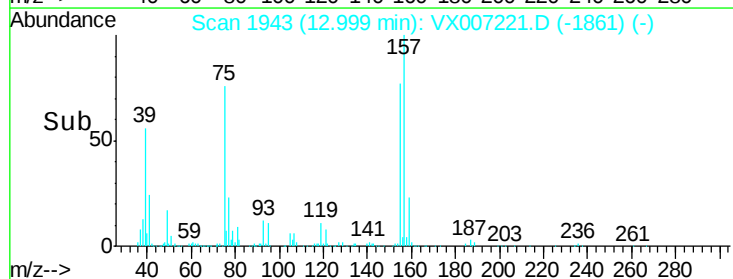
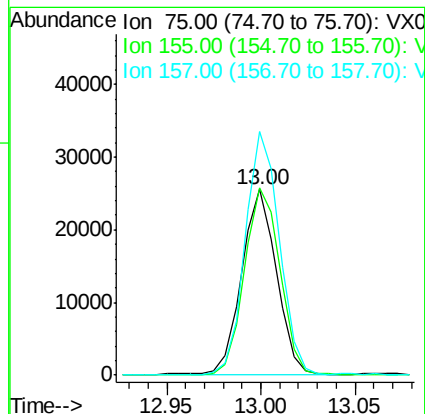
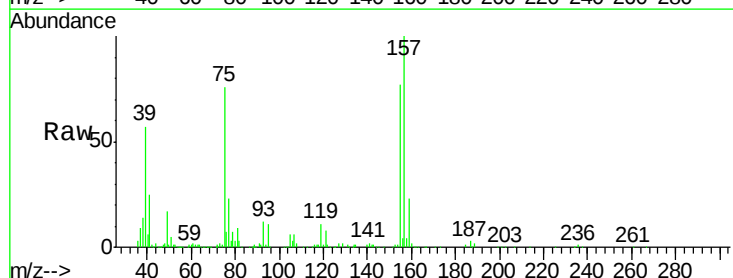
RT: 13.00 min Scan# 1943

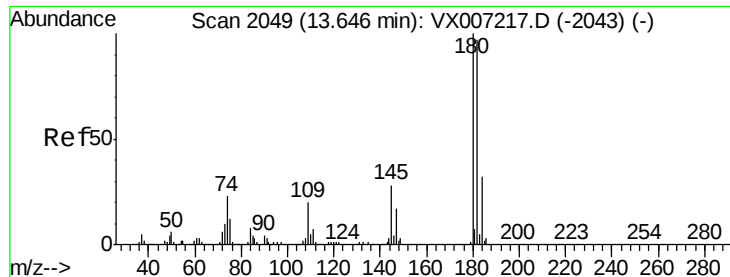
Delta R.T. -0.00 min

Lab File: VX007221.D

Acq: 25 Jan 2019 11:20

Tgt Ion:	75	Resp:	32883
Ion Ratio	Lower	Upper	
75	100		
155	102.6	82.8	124.2
157	128.2	106.9	160.3





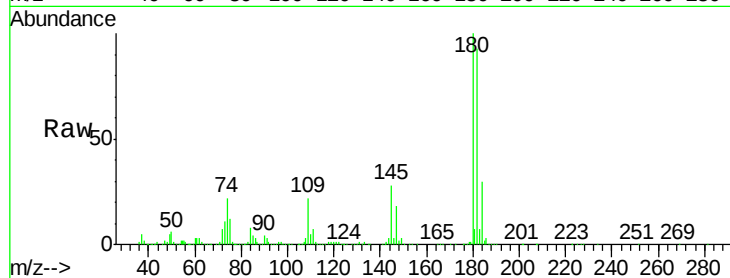
#89
1,2,4-Trichlorobenzene
Concen: 22.065 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

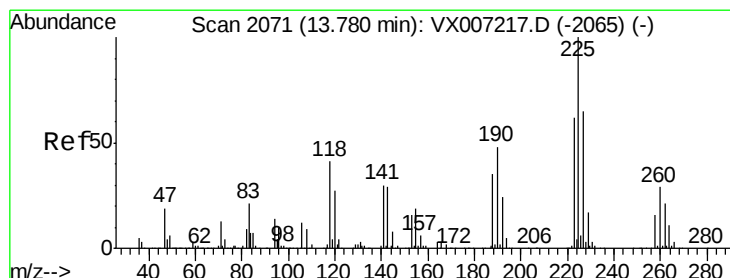
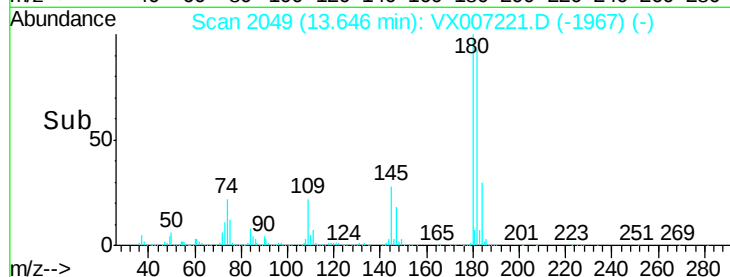
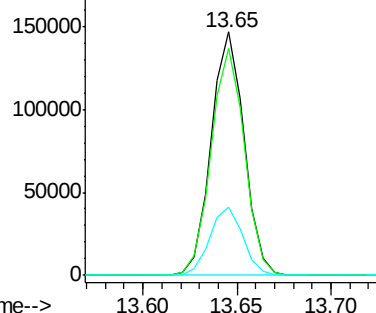
Tot Ion	Ratio	Resp	Lower	Upper
180	100	178051		
182	94.4	76.7	115.1	
145	28.3	23.1	34.7	

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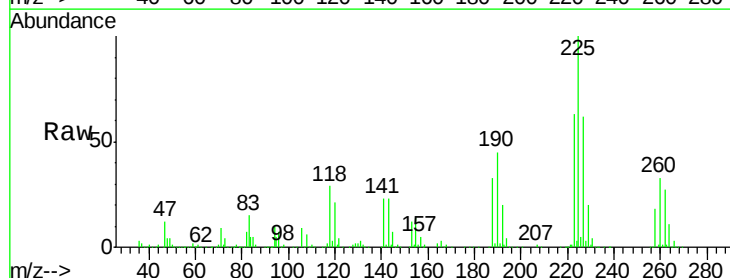


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

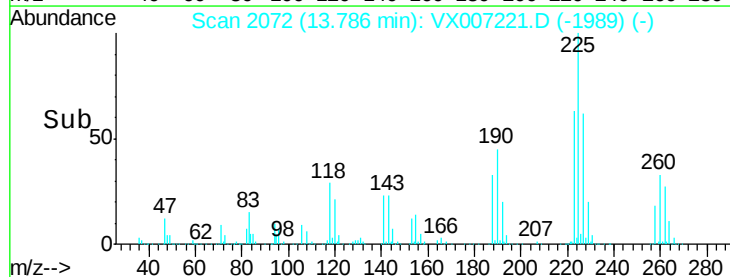
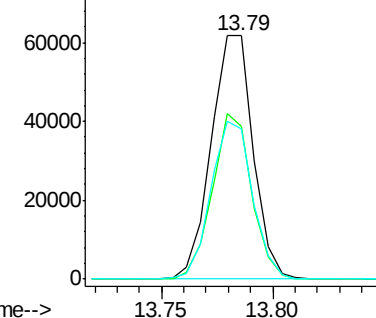


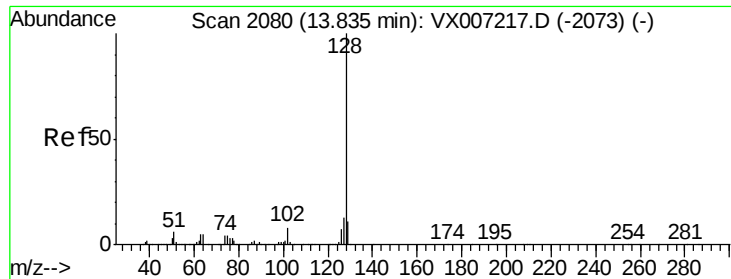
#90
Hexachlorobutadiene
Concen: 21.163 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.01 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81446		
223	63.6	0.0	124.6	
227	64.0	0.0	128.2	



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





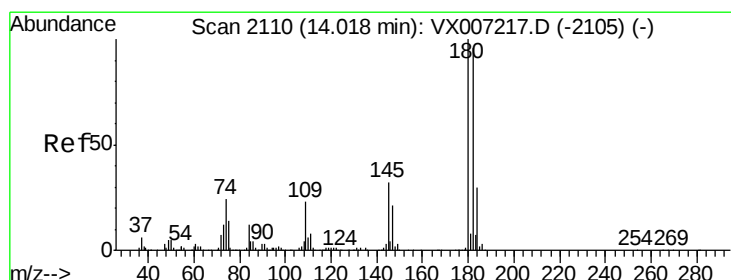
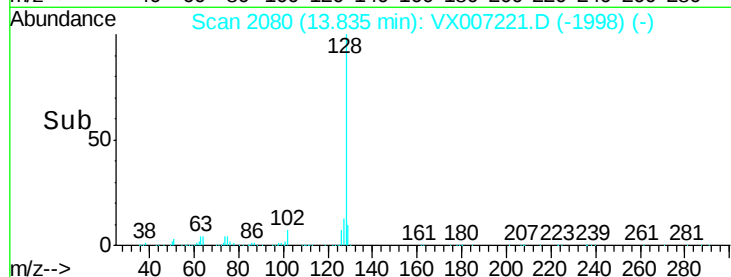
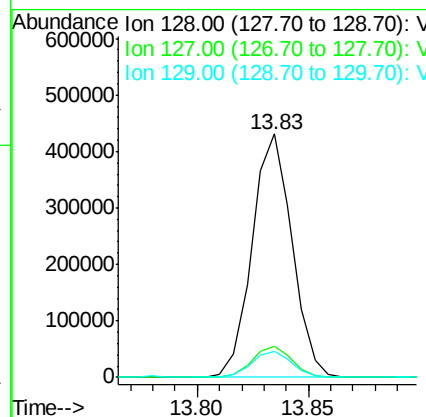
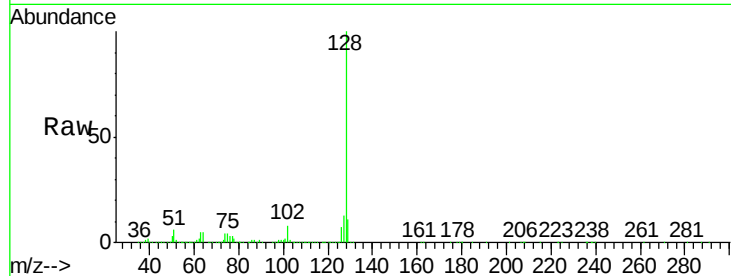
#91
Naphthalene
Concen: 22.080 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 22.052 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007221.D
Acq: 25 Jan 2019 11:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	0.0	187.6
145	31.6	0.0	62.0

