

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007646.D
 Acq On : 22 Feb 2019 08:31
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 9:47:12 AM

Quant Time: Feb 22 13:06:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	85621	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	454753	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	417497	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	168496	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	11.13	95	201555	31.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.83%
63) Toluene-d8	8.71	98	565361	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	99196	22.878	ug/l 99
3) Chloromethane	1.33	50	105420	22.123	ug/l 97
4) Vinyl Chloride	1.41	62	111796	20.858	ug/l 100
5) Bromomethane	1.64	94	95374	19.926	ug/l 98
6) Chloroethane	1.73	64	69096	18.964	ug/l 98
7) Trichlorofluoromethane	1.93	101	174257	20.740	ug/l 98
8) Diethyl Ether	2.19	74	62282	18.557	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	102546	21.632	ug/l 98
10) 1,1-Dichloroethene	2.38	96	93353	19.846	ug/l 94
11) Methyl Iodide	2.51	142	144392	21.358	ug/l 96
12) Methyl Acetate	2.78	43	114133	17.594	ug/l 98
13) Acrolein	2.29	56	69566	61.477	ug/l 99
14) Acrylonitrile	3.15	53	274315	91.776	ug/l 99
15) Acetone	2.45	58	98429	121.342	ug/l 100
16) Carbon Disulfide	2.57	76	245677	19.695	ug/l 100
17) Allyl chloride	2.73	41	150505	18.675	ug/l 97
18) Methylene Chloride	2.86	84	103713	19.606	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	98898	19.657	ug/l 94
20) Diisopropyl ether	3.87	45	307518	20.191	ug/l 97
21) 1,1-Dichloroethane	3.70	63	174595	20.447	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	113797	20.325	ug/l 98
23) tert-Butyl Alcohol	3.06	59	116686	92.881	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	301647	18.479	ug/l 97
25) Chloroform	5.21	83	187974	20.844	ug/l 94
26) Cyclohexane	5.57	56	154684	21.604	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	134589	21.218	ug/l 99
30) 2-Butanone	4.70	43	412234	109.814	ug/l 99
31) 2,2-Dichloropropane	4.59	77	136265	26.440	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	158535	20.910	ug/l 99
33) Carbon Tetrachloride	5.78	117	142995	21.335	ug/l 97
34) Benzene	6.14	78	410371	20.521	ug/l 99
35) Methacrylonitrile	5.06	41	76508	19.602	ug/l 97
36) 1,2-Dichloroethane	6.20	62	139818	20.545	ug/l 99
37) Trichloroethene	7.21	130	119944	20.862	ug/l 100
38) Methylcyclohexane	7.46	83	168193	22.905	ug/l 98
39) 1,2-Dichloropropane	7.51	63	100315	20.168	ug/l 99
40) Dibromomethane	7.66	93	75112	20.909	ug/l 98

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Manual Integrations
 APPROVED

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	132693	20.814	ug/l	100
42) Vinyl Acetate	3.82	43	1384713	105.384	ug/l	99
43) Ethyl Acetate	4.85	43	143932	20.021	ug/l #	85
44) Isopropyl Acetate	6.45	43	217304	19.578	ug/l	99
45) 1,4-Dioxane	7.74	88	53848	411.073	ug/l	97
46) Methyl methacrylate	7.77	41	115145	20.486	ug/l	98
47) n-amyl Acetate	10.90	43	204807	20.935	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	142875	21.710	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	159812	21.807	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	109368	20.880	ug/l	96
51) Ethyl methacrylate	9.18	69	153675	20.237	ug/l	99
52) 1,3-Dichloropropane	9.37	76	178010	21.069	ug/l	100
53) Dibromochloromethane	9.58	129	114318	20.984	ug/l	100
54) 1,2-Dibromoethane	9.67	107	120244	20.965	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	427637	110.767	ug/l	100
56) Bromoform	10.85	173	85879	20.899	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	755912	100.660	ug/l	100
59) 2-Hexanone	9.49	43	613516	107.559	ug/l	99
61) Tetrachloroethene	9.34	164	129734	21.890	ug/l	98
62) Toluene	8.78	91	468318	20.597	ug/l	98
64) Chlorobenzene	10.13	112	310427	21.009	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	110909	20.723	ug/l	99
66) Ethyl Benzene	10.25	91	509310	21.108	ug/l	100
67) m/p-Xylenes	10.36	106	403759	42.664	ug/l	100
68) o-Xylene	10.69	106	194532	21.076	ug/l	99
69) Styrene	10.71	104	318502	21.383	ug/l	99
70) Isopropylbenzene	11.02	105	526595	21.625	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	164291	20.410	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	162146m	22.031	ug/l	
73) Bromobenzene	11.26	156	142244	21.396	ug/l	99
74) n-propylbenzene	11.36	91	600499	22.210	ug/l	99
75) 2-Chlorotoluene	11.42	91	349714	21.632	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	438130	22.042	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	45695	21.509	ug/l	93
78) 4-Chlorotoluene	11.51	91	408125	22.117	ug/l	98
79) tert-butylbenzene	12.06	119	472419	22.382	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	442709	21.940	ug/l	99
81) sec-Butylbenzene	11.94	105	524326	22.089	ug/l	99
82) p-Isopropyltoluene	12.06	119	472419	22.382	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	262454	22.456	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	260195	22.309	ug/l	100
85) n-Butylbenzene	12.38	91	401294	22.912	ug/l	99
86) Hexachloroethane	12.60	117	75613	21.577	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	255751	21.802	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	34295	20.416	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	171227	22.224	ug/l	99
90) Hexachlorobutadiene	13.78	225	85862	23.853	ug/l	99
91) Naphthalene	13.83	128	509223	20.724	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	167006	21.324	ug/l	99

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VSTDCCC020

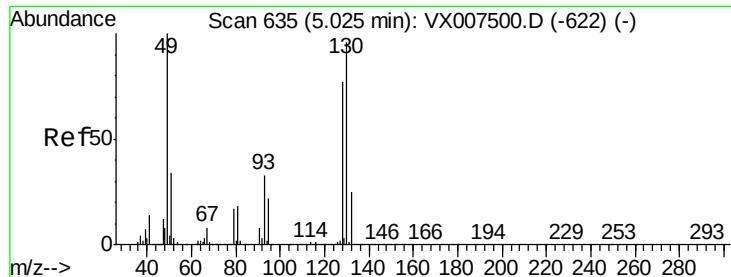
Manual Integrations
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QLast Update : Wed Feb 13 07:51:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

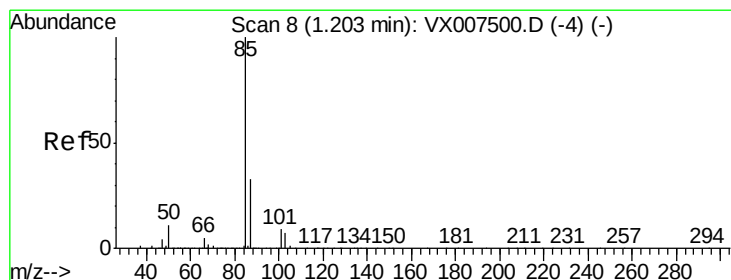
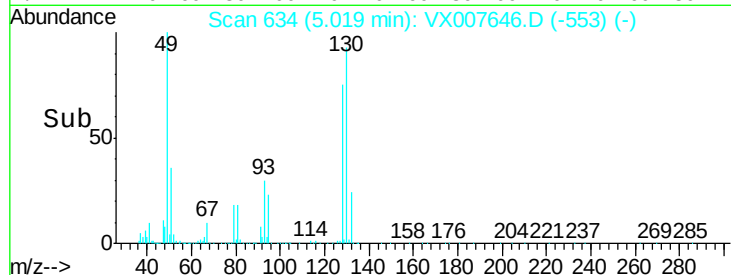
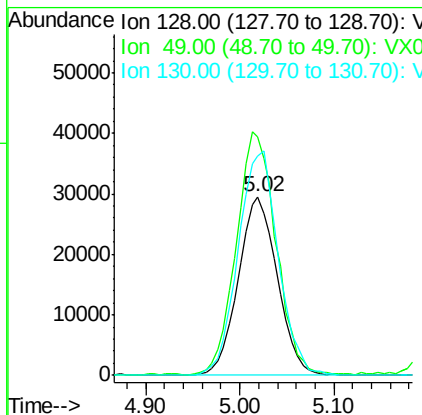
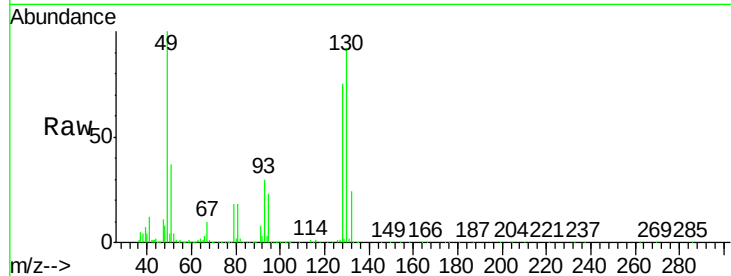
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.01 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	138.7	0.0	350.8
130	127.4	0.0	325.8

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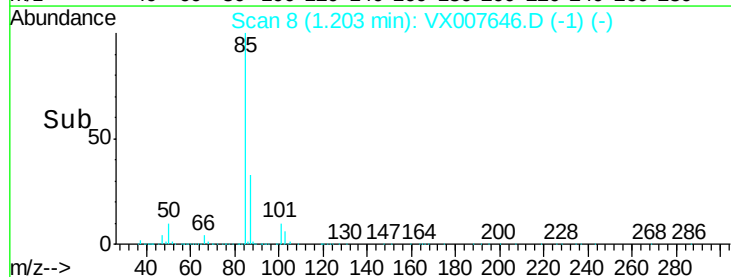
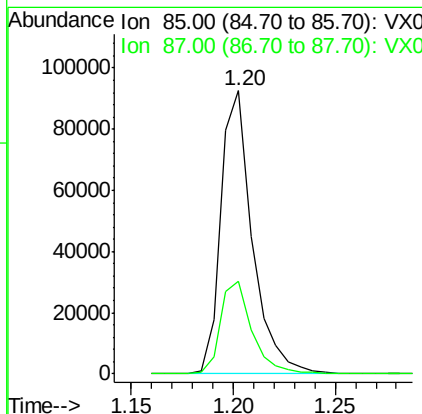
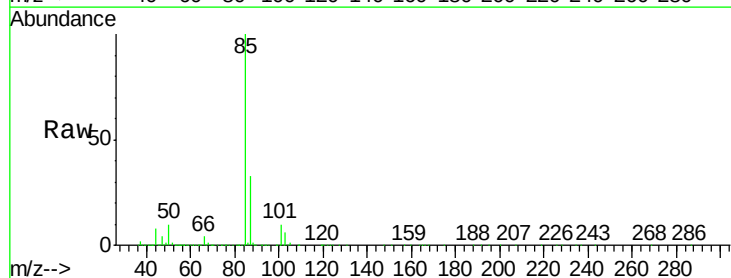
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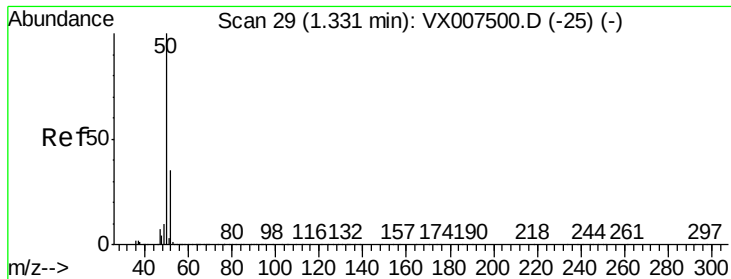


#2

Dichlorodifluoromethane
 Concen: 22.878 ug/l
 RT: 1.20 min Scan# 8
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.6	49.8





#3

Chloromethane

Concen: 22.123 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 105420

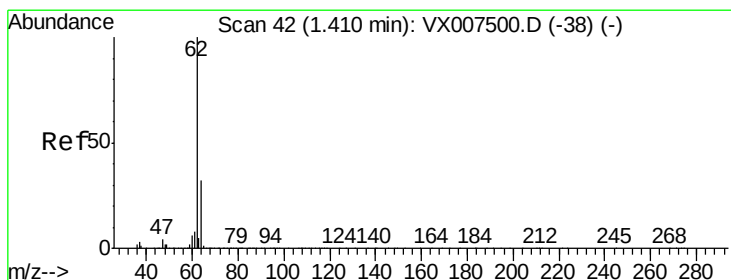
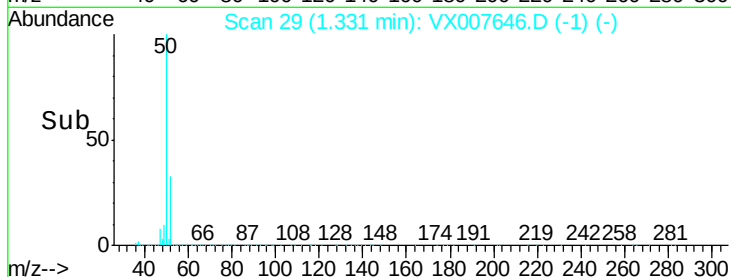
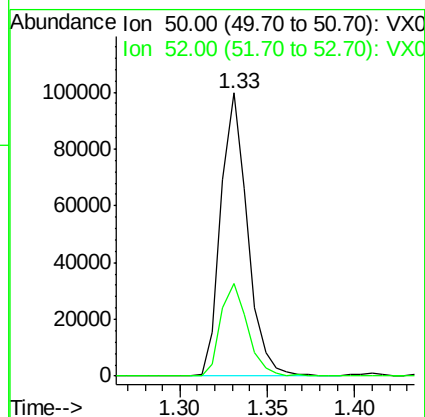
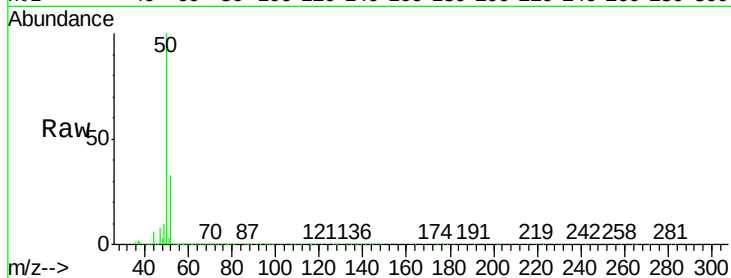
Ion Ratio Lower Upper

50 100

52 32.6 27.5 41.3

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#4

Vinyl Chloride

Concen: 20.858 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007646.D

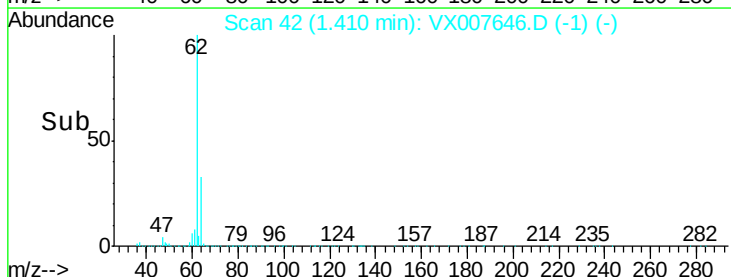
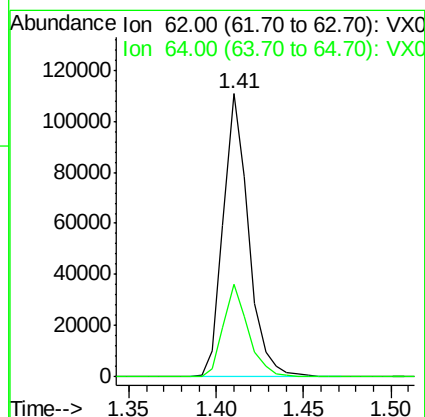
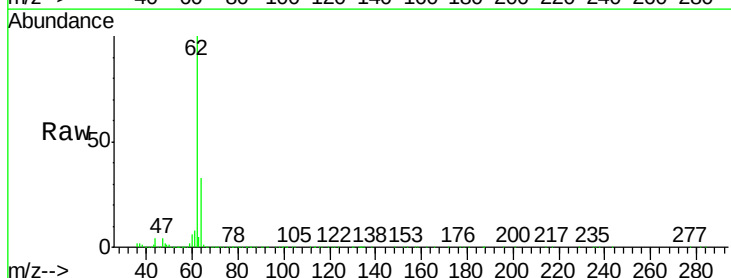
Acq: 22 Feb 2019 08:31

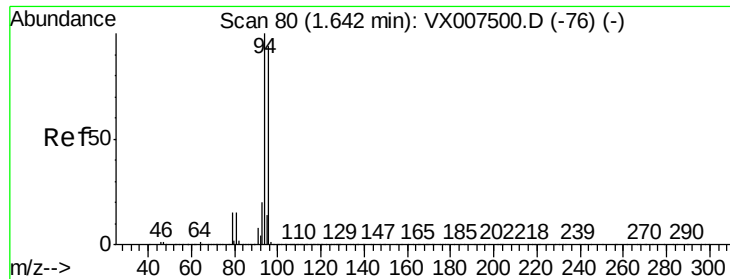
Tgt Ion: 62 Resp: 111796

Ion Ratio Lower Upper

62 100

64 32.6 25.9 38.9





#5

Bromomethane

Concen: 19.926 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 95374

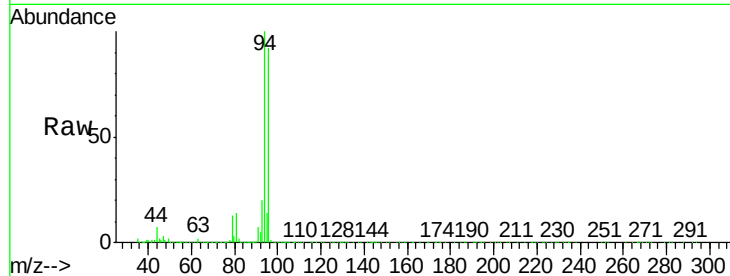
Ion Ratio Lower Upper

94 100

96 92.3 75.6 113.4

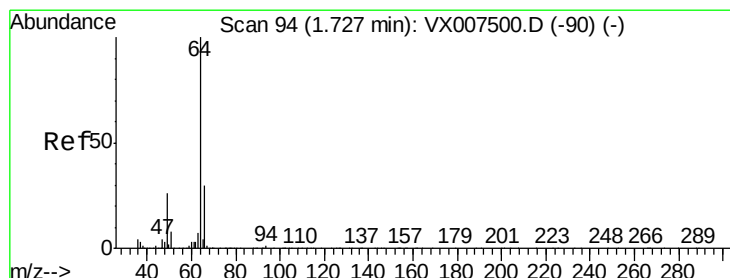
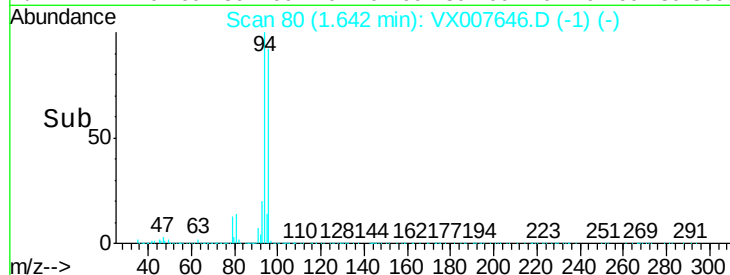
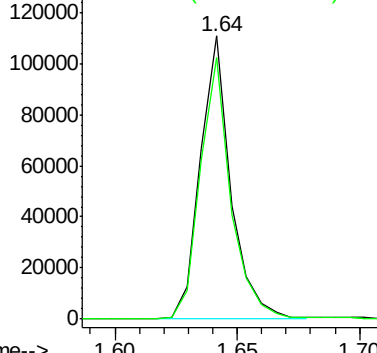
Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.964 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX007646.D

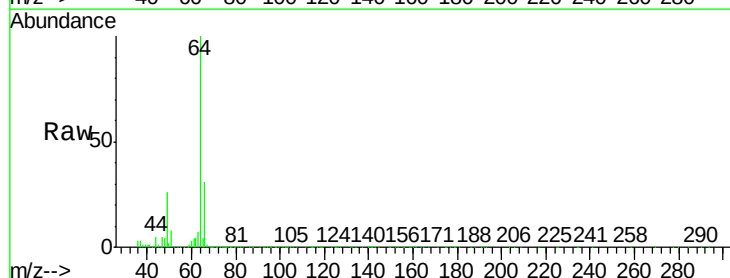
Acq: 22 Feb 2019 08:31

Tgt Ion: 64 Resp: 69096

Ion Ratio Lower Upper

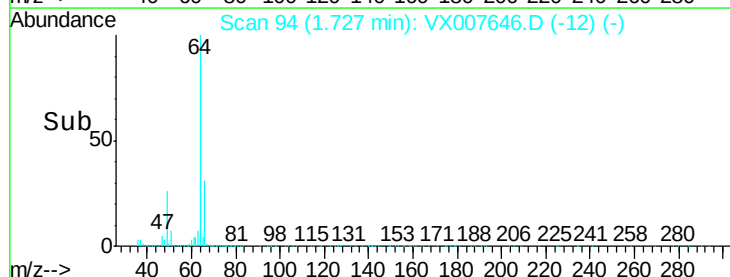
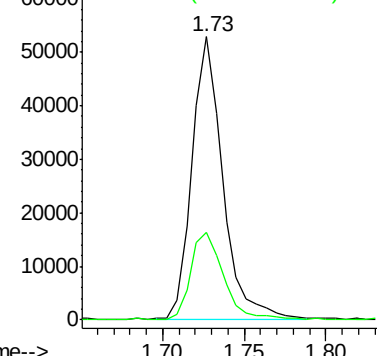
64 100

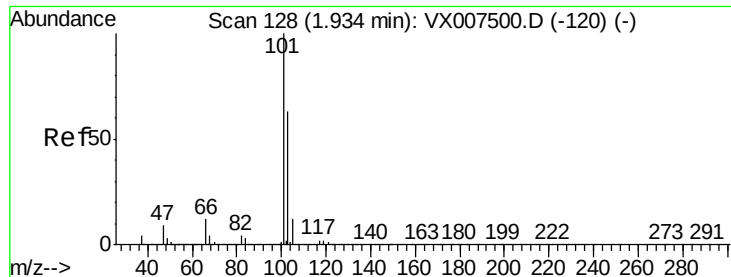
66 31.1 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

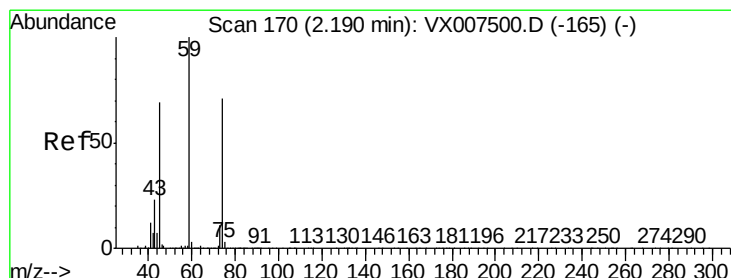
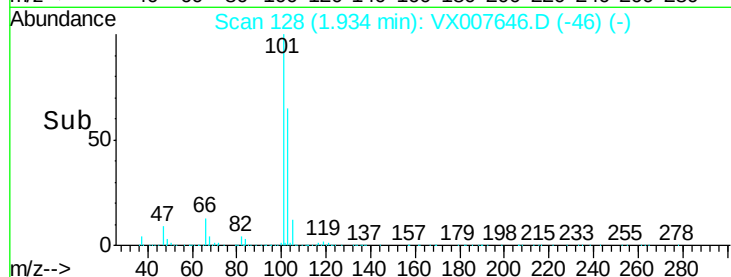
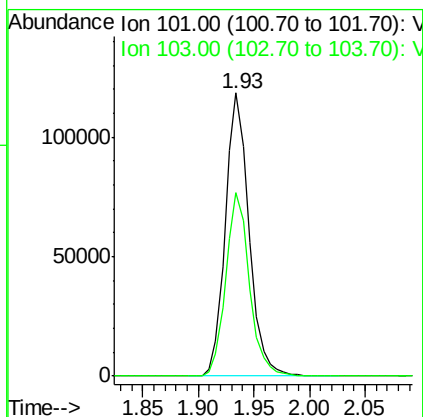
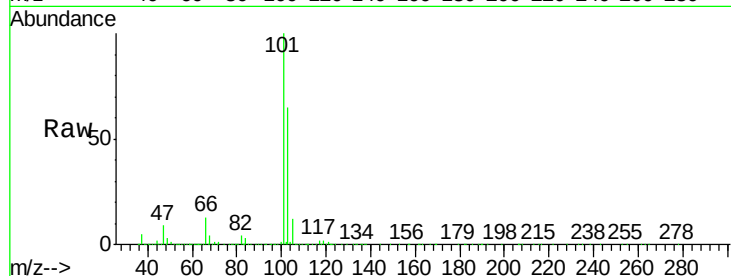
Trichlorofluoromethane
Concen: 20.740 ug/l
RT: 1.93 min Scan# 128
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.4	75.6

Manual Integrations
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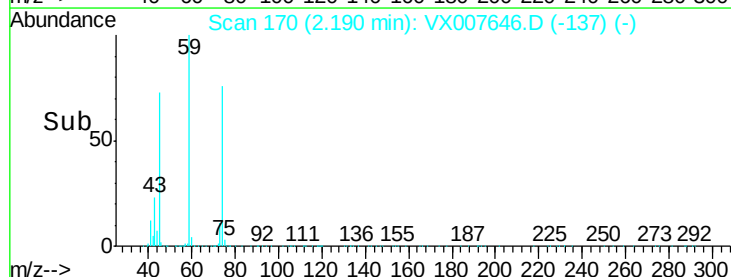
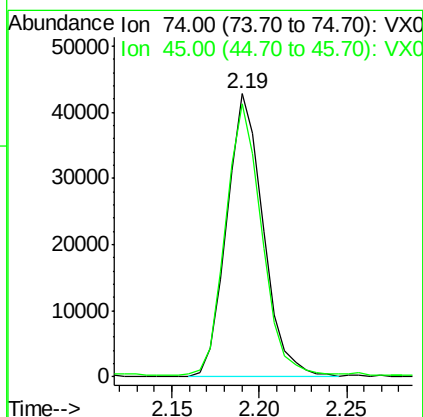
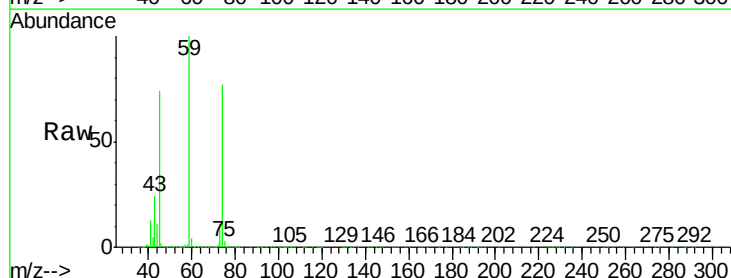
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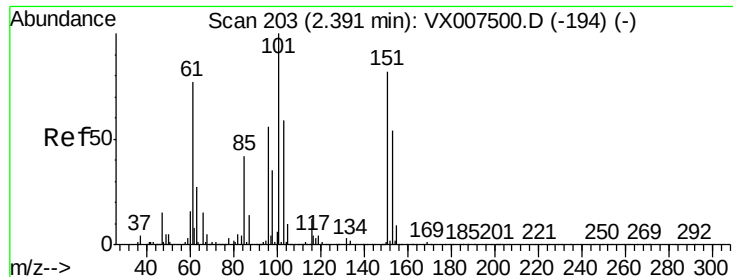


#8

Diethyl Ether
Concen: 18.557 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.632 ug/l

RT: 2.39 min Scan# 203

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

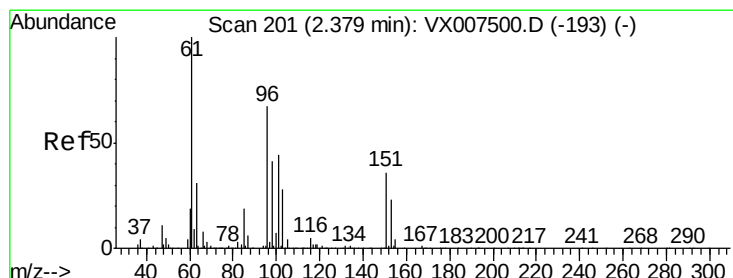
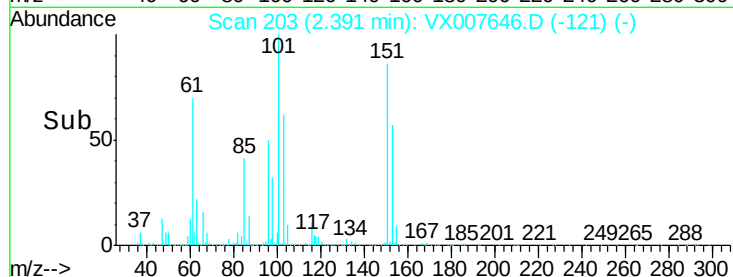
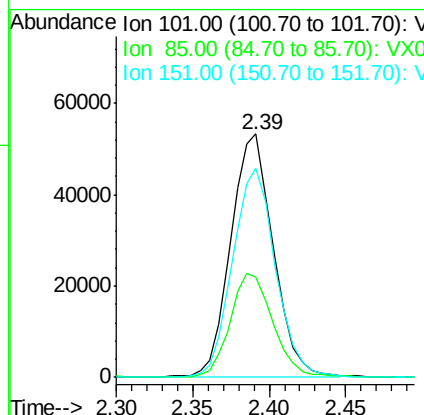
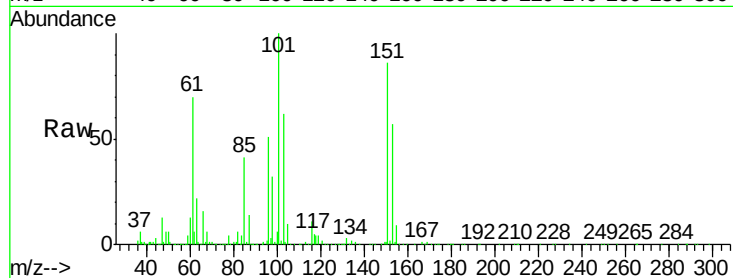
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	102546
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	86.8
151	87.1	0.0	169.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.846 ug/l

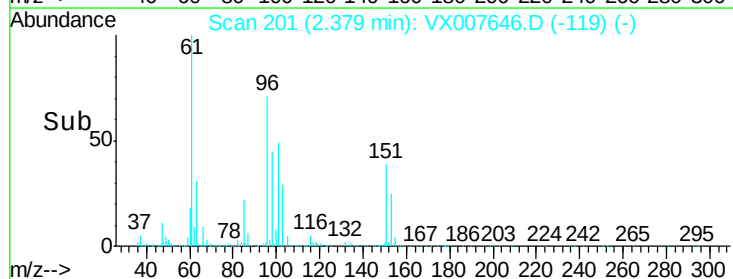
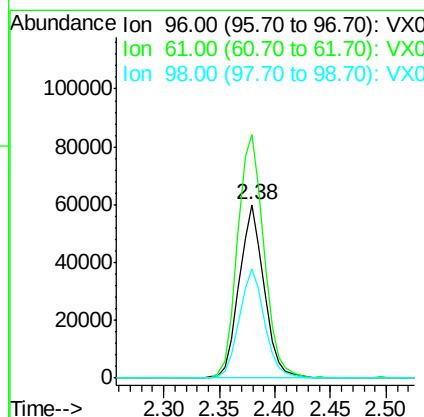
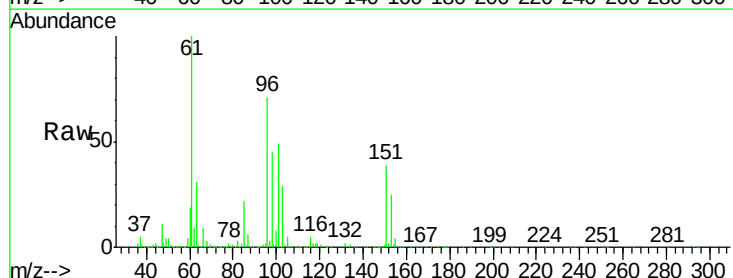
RT: 2.38 min Scan# 201

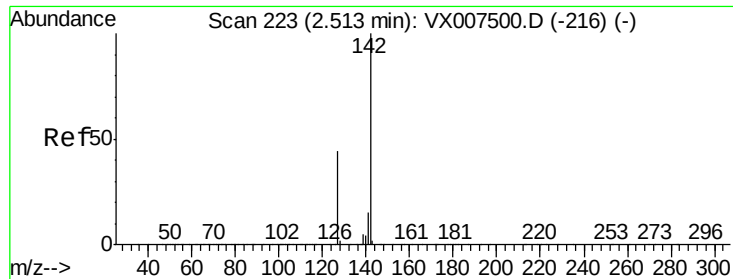
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	96	Resp:	93353
Ion Ratio	Lower	Upper	
96	100		
61	140.4	120.2	180.2
98	63.3	49.0	73.4





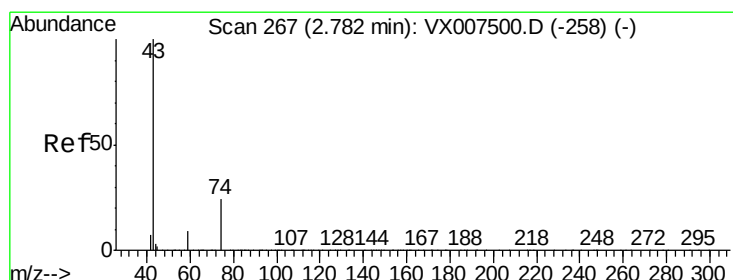
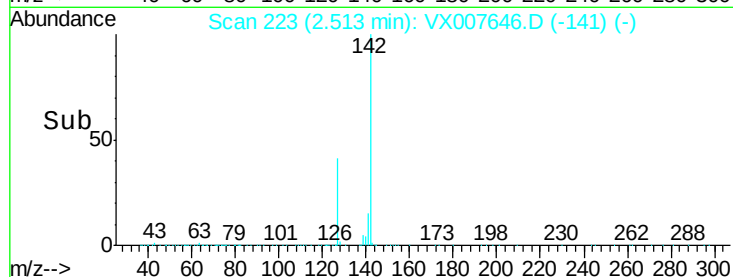
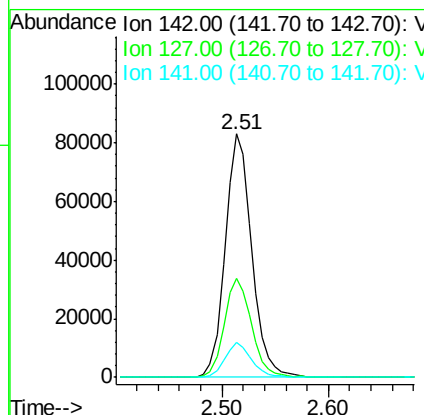
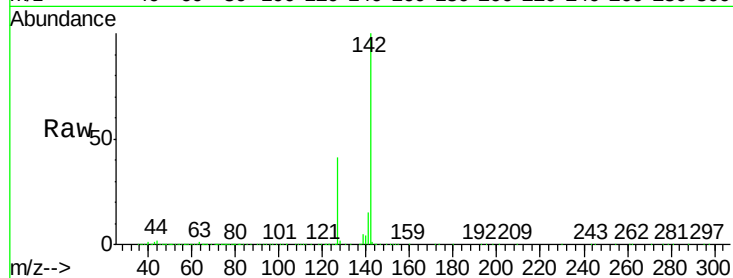
#11
Methvl Iodide
Concen: 21.358 ug/l
RT: 2.51 min Scan# 223
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.9	22.1	66.5
141	14.5	7.4	22.3

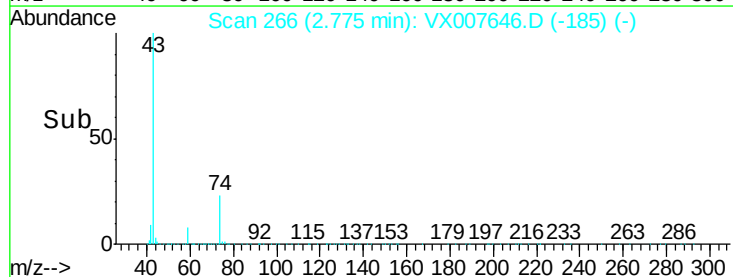
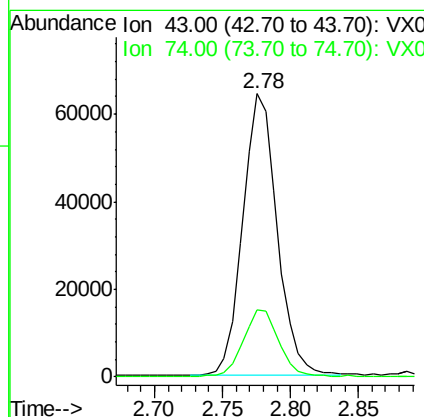
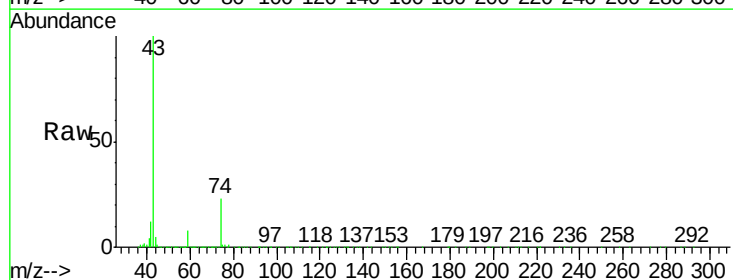
Manual Integrations
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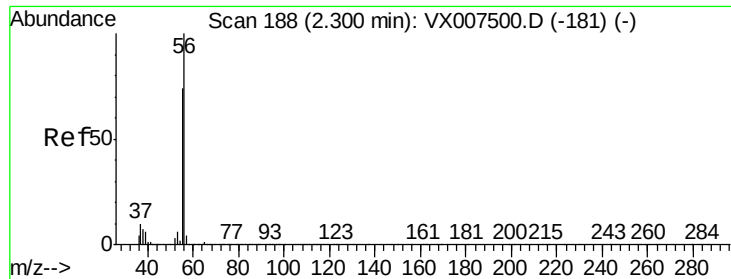
MMDadoda
2/25/2019 9:47:12 AM



#12
Methyl Acetate
Concen: 17.594 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.4	29.0





#13

Acrolein

Concen: 61.477 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 69566

Ion Ratio Lower Upper

56 100

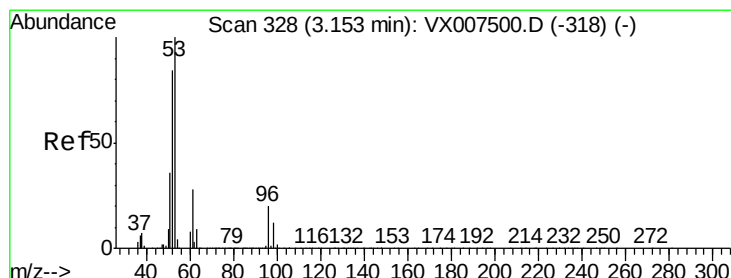
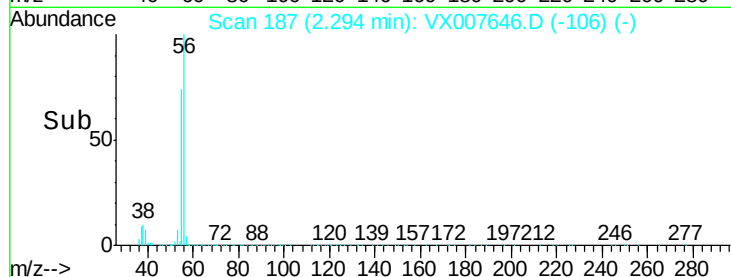
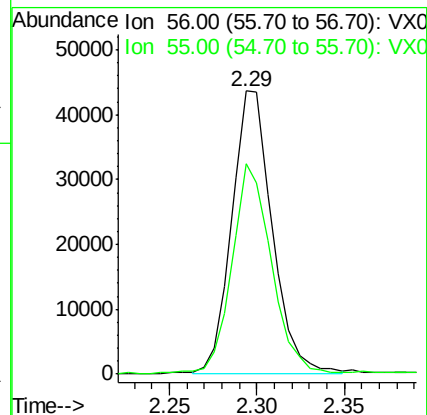
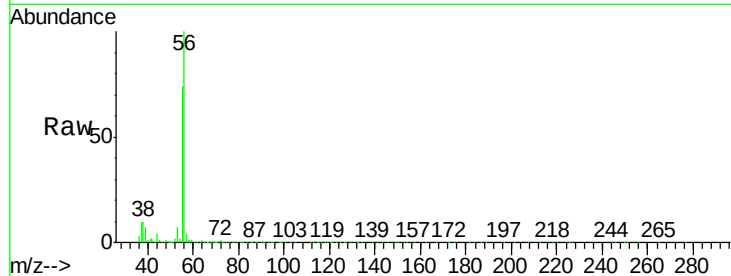
55 72.5 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 91.776 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

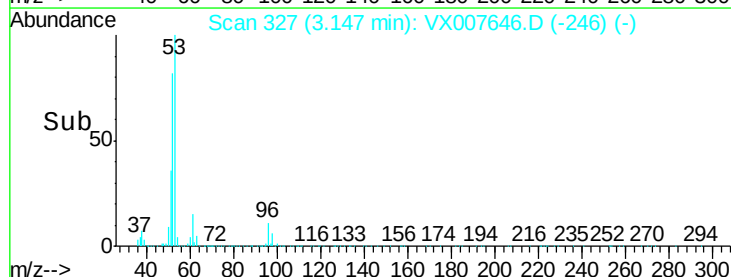
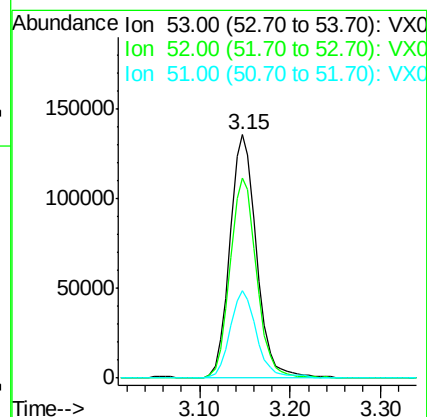
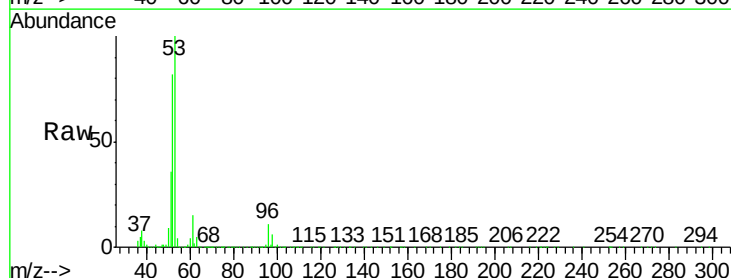
Tgt Ion: 53 Resp: 274315

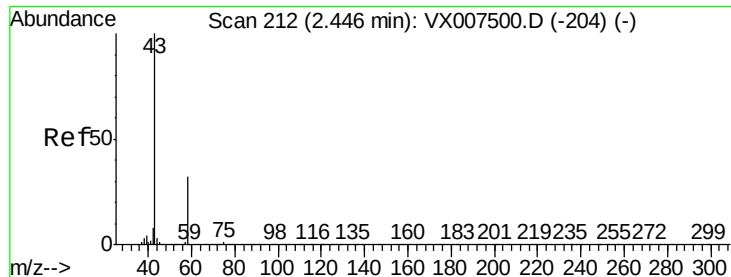
Ion Ratio Lower Upper

53 100

52 81.7 41.3 124.1

51 35.8 17.5 52.6





#15

Acetone

Concen: 121.342 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 98429

Ion Ratio Lower Upper

58 100

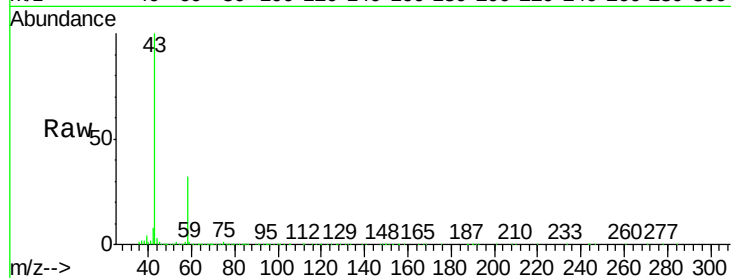
43 311.5 249.8 374.6

Manual Integrations

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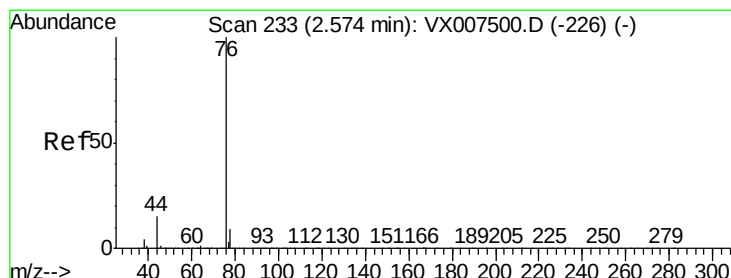
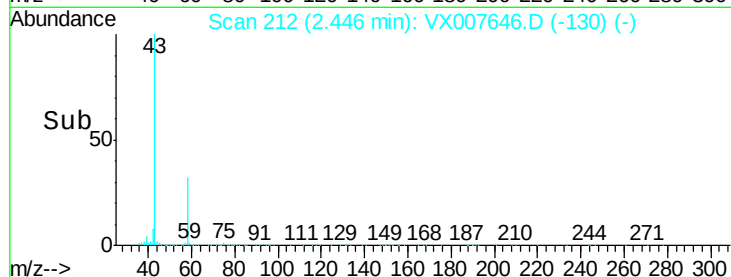
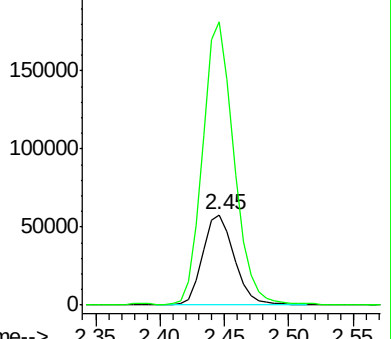
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.695 ug/l

RT: 2.57 min Scan# 233

Delta R.T. -0.00 min

Lab File: VX007646.D

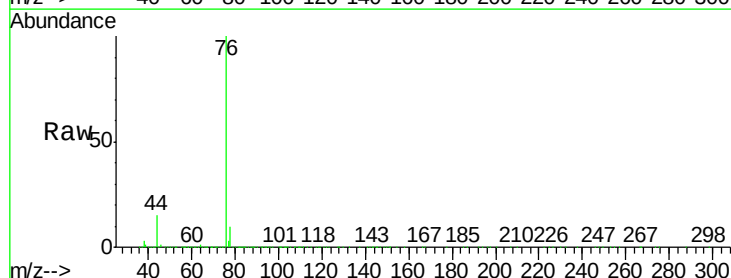
Acq: 22 Feb 2019 08:31

Tgt Ion: 76 Resp: 245677

Ion Ratio Lower Upper

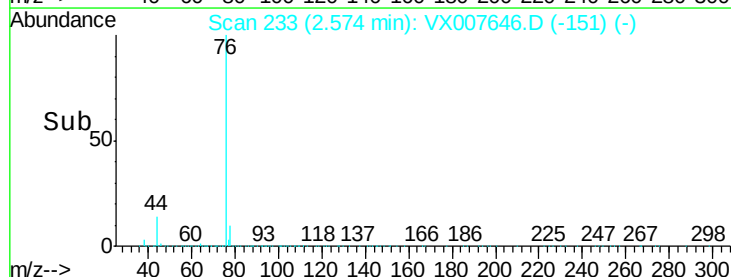
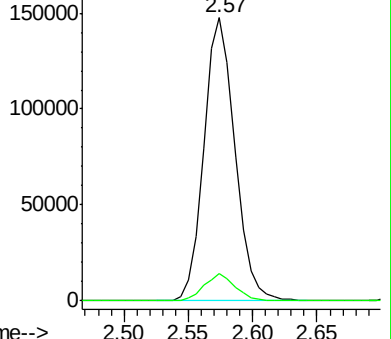
76 100

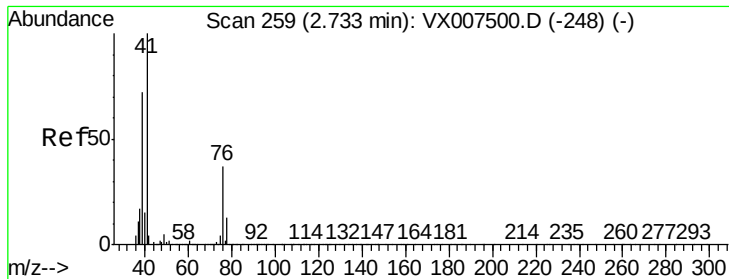
78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





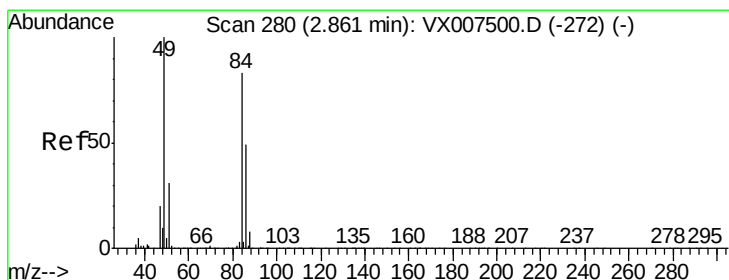
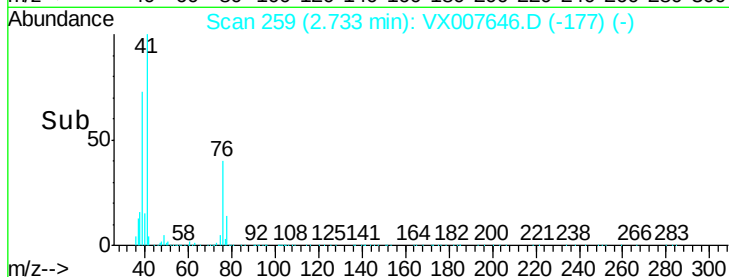
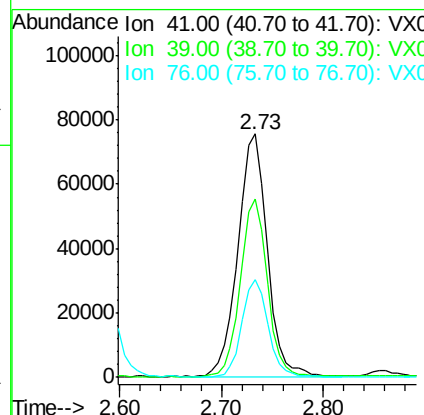
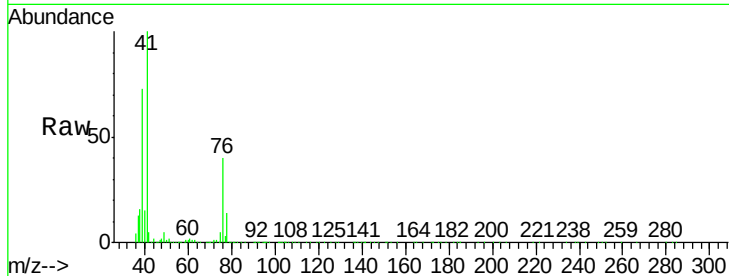
#17
Allvl chloride
Concen: 18.675 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	150505
Ion	Ratio	Lower	Upper
41	100		
39	72.9	35.8	107.4
76	39.8	18.3	54.9

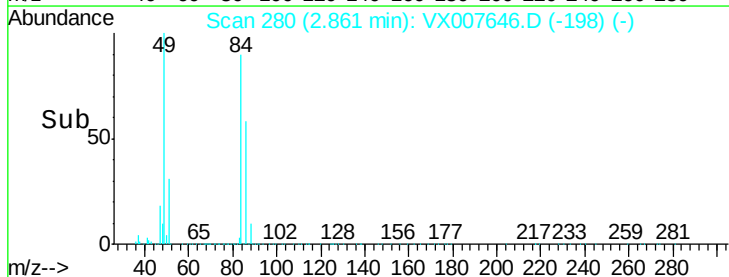
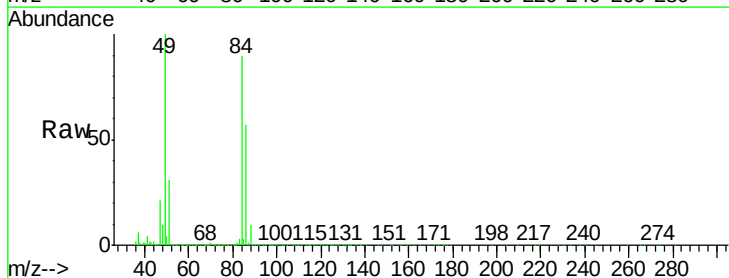
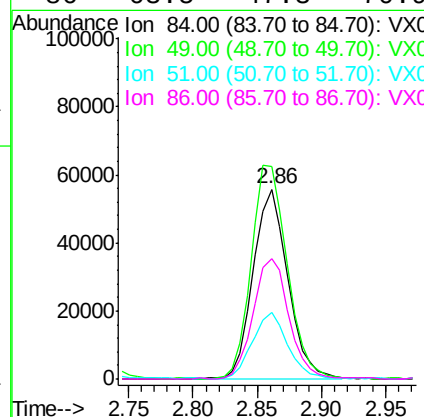
Manual Integrations
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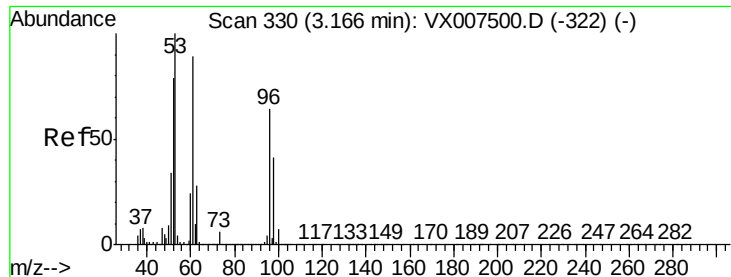
MMDadoda
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#18
Methylene Chloride
Concen: 19.606 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion:	84	Resp:	103713
Ion	Ratio	Lower	Upper
84	100		
49	111.2	96.1	144.1
51	34.4	29.1	43.7
86	63.5	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 19.657 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

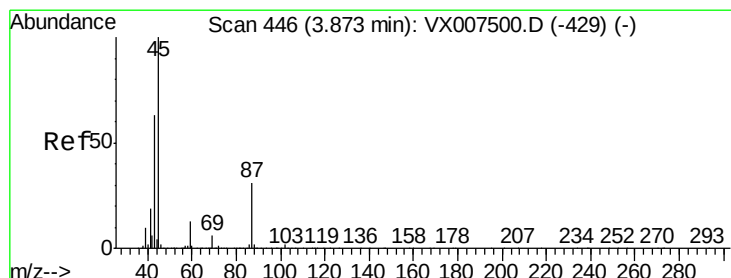
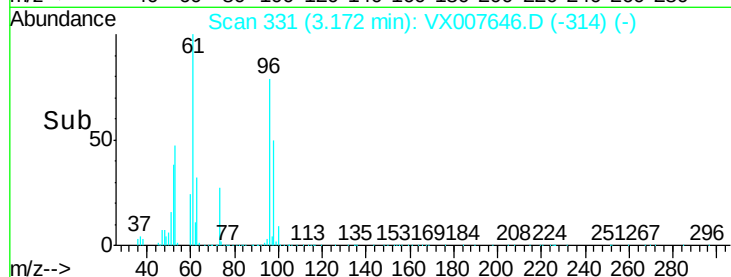
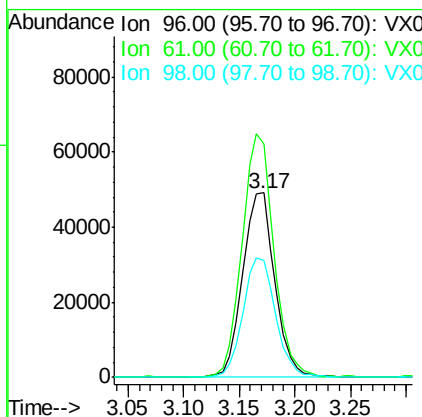
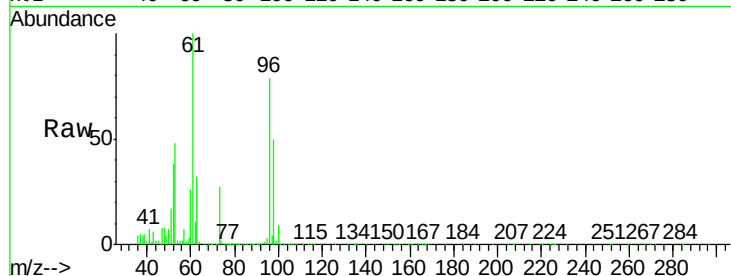
ClientSampleId :

VSTDCCC020

Tot Ion:	96	Resp:	98898
Ion	Ratio	Lower	Upper
96	100		
61	126.0	109.9	164.9
98	63.0	50.4	75.6

Manual Integrations
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#20

Diisopropyl ether

Concen: 20.191 ug/l

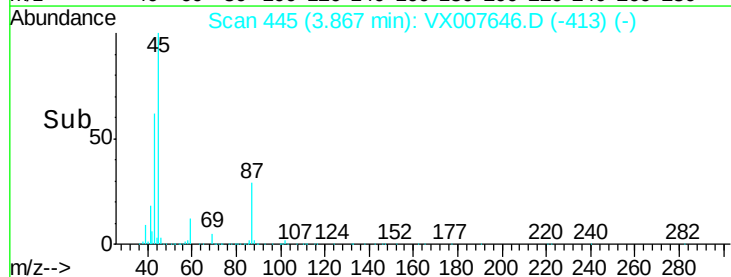
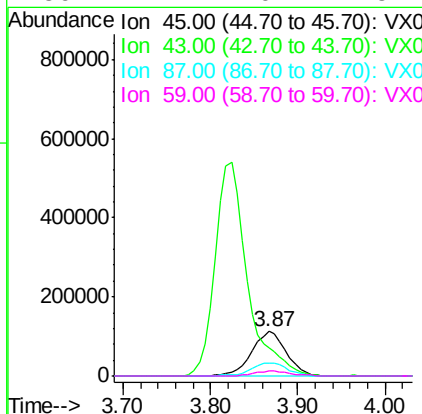
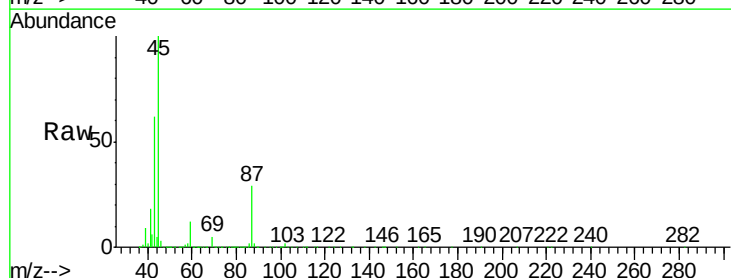
RT: 3.87 min Scan# 445

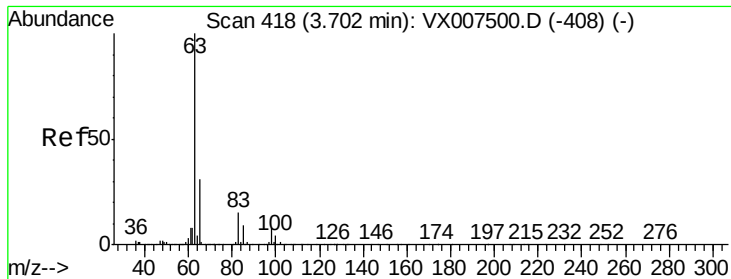
Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	45	Resp:	307518
Ion	Ratio	Lower	Upper
45	100		
43	60.5	50.6	76.0
87	29.2	24.5	36.7
59	12.1	10.2	15.2





#21

1,1-Dichloroethane

Concen: 20.447 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

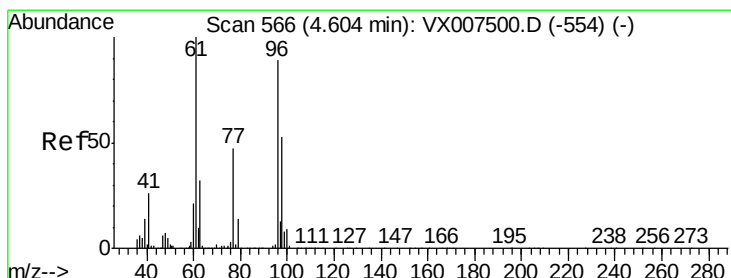
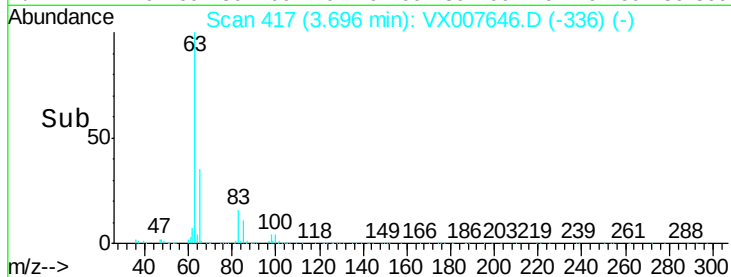
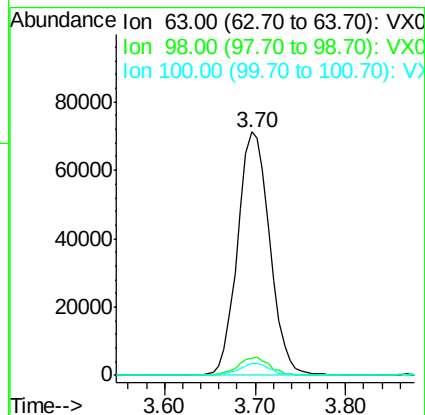
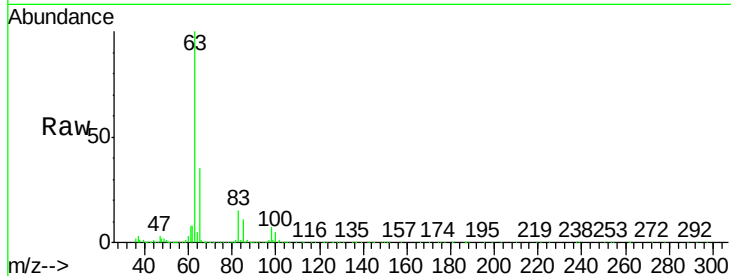
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	174595
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.8	11.4
100	4.7	2.4	7.1

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#22

cis-1,2-Dichloroethene

Concen: 20.325 ug/l

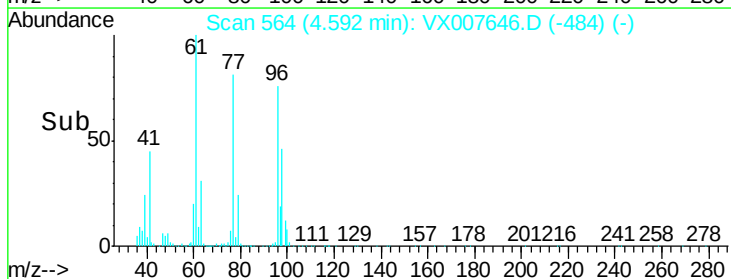
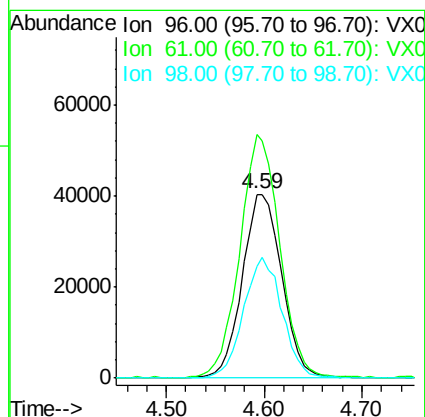
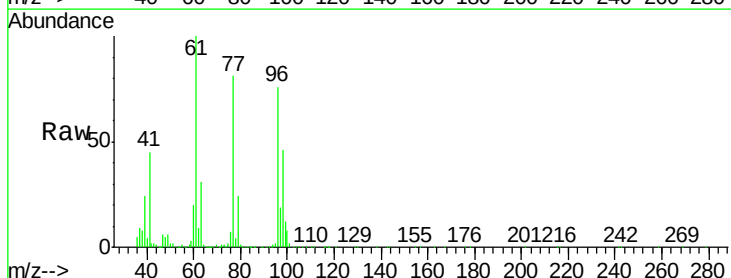
RT: 4.59 min Scan# 564

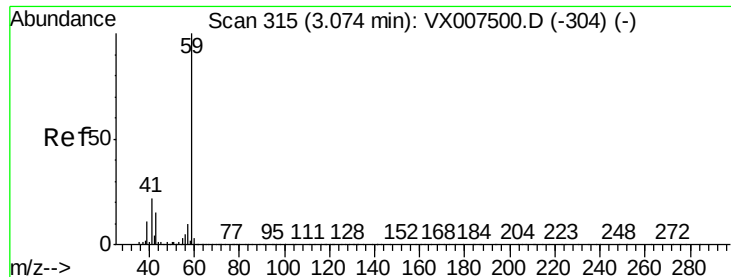
Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	96	Resp:	113797
Ion Ratio	Lower	Upper	
96	100		
61	132.3	103.5	155.3
98	64.1	52.1	78.1





#23

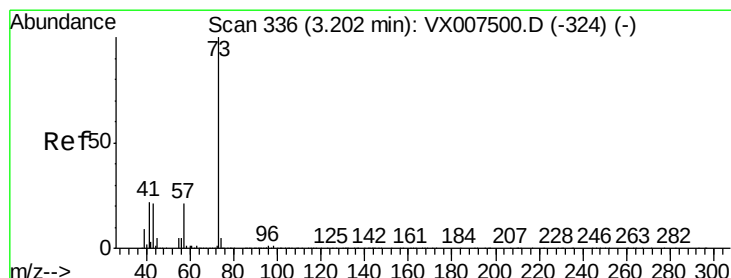
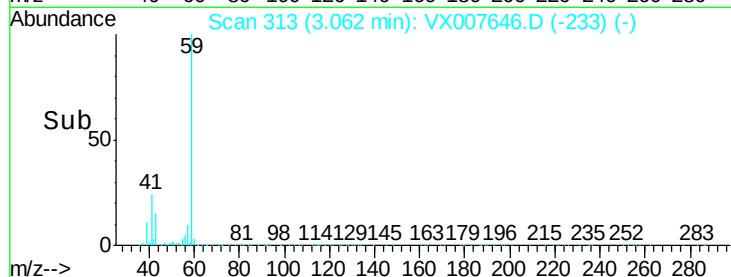
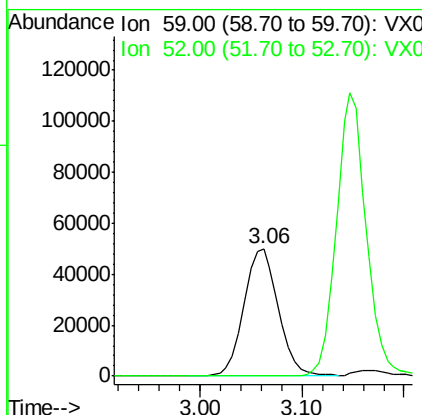
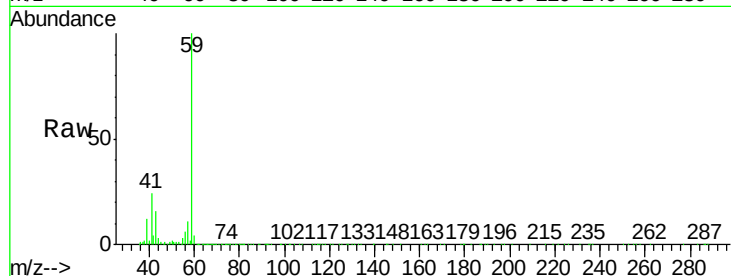
tert-Butyl Alcohol
Concen: 92.881 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion: 59 Resp: 116686
Ion Ratio Lower Upper
59 100
52 0.3 0.2 0.2#

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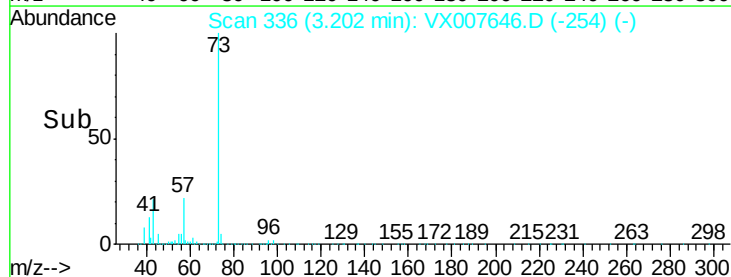
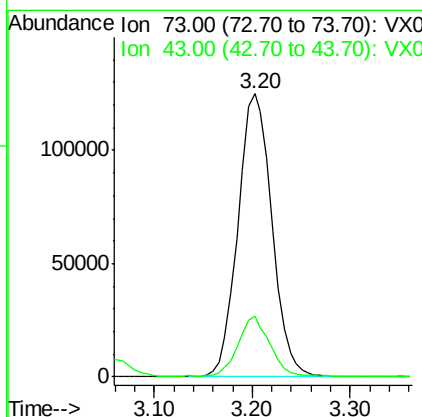
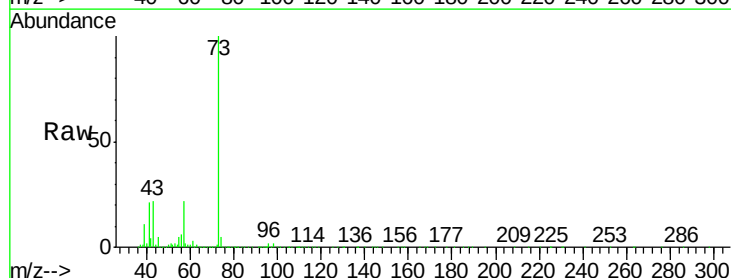
MMDadoda
2/25/2019 9:47:12 AM

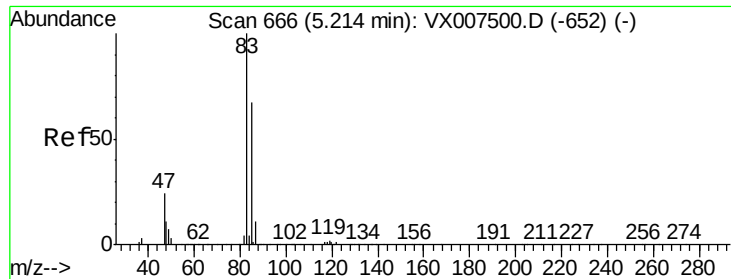


#24

Methyl tert-Butyl Ether
Concen: 18.479 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion: 73 Resp: 301647
Ion Ratio Lower Upper
73 100
43 19.8 17.1 25.7





#25

Chloroform

Concen: 20.844 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 187974

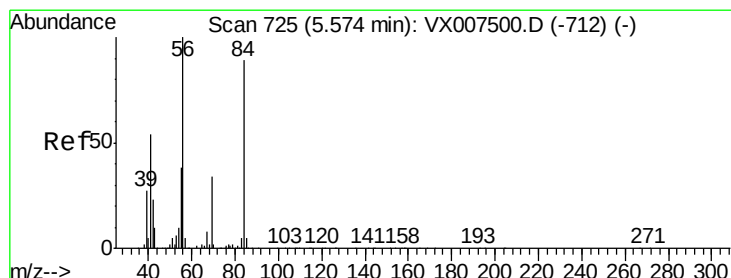
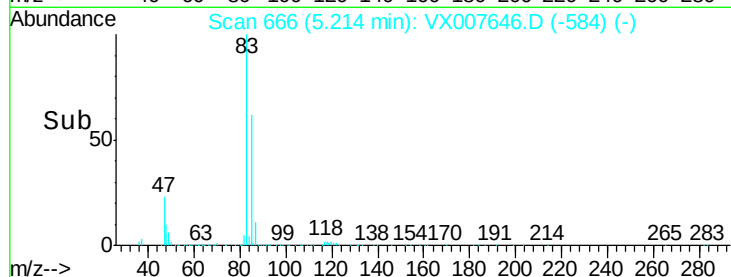
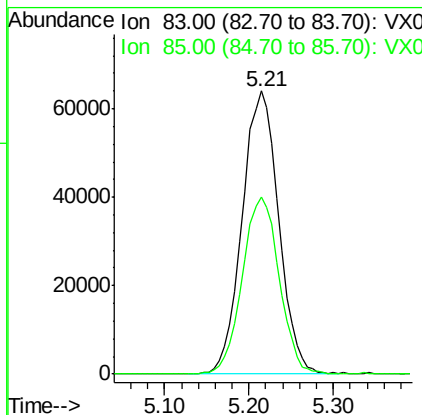
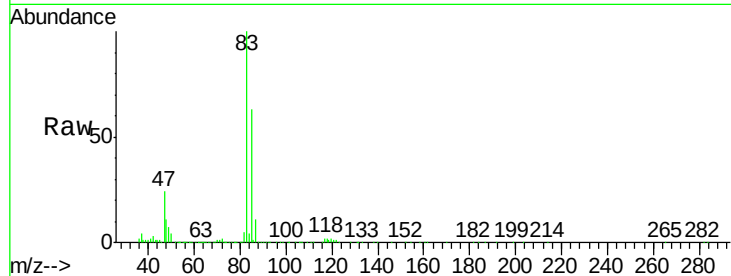
Ion Ratio Lower Upper

83 100

85 62.5 53.8 80.6

Manual Integrations
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#26

Cyclohexane

Concen: 21.604 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

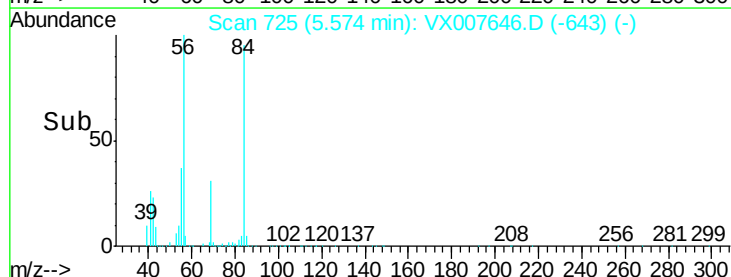
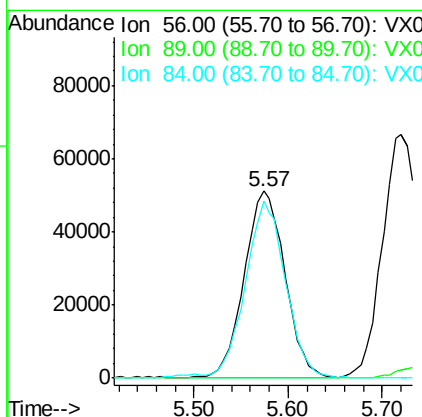
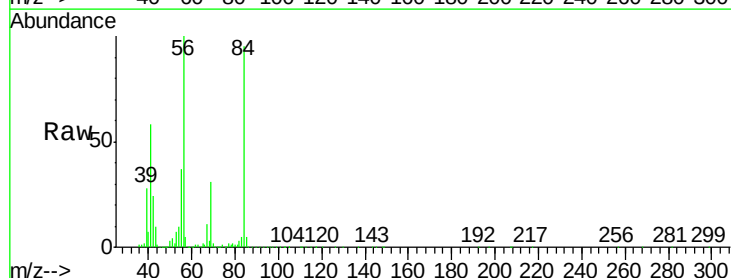
Tgt Ion: 56 Resp: 154684

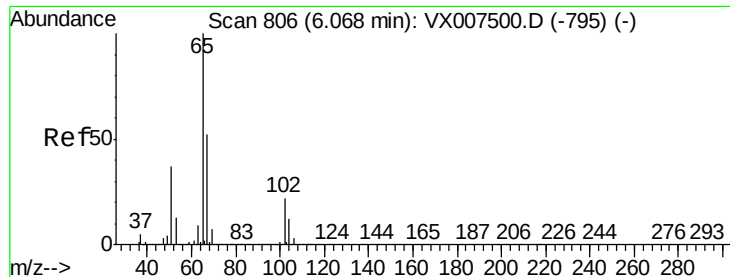
Ion Ratio Lower Upper

56 100

89 0.1 0.0 0.0#

84 92.4 73.9 110.9





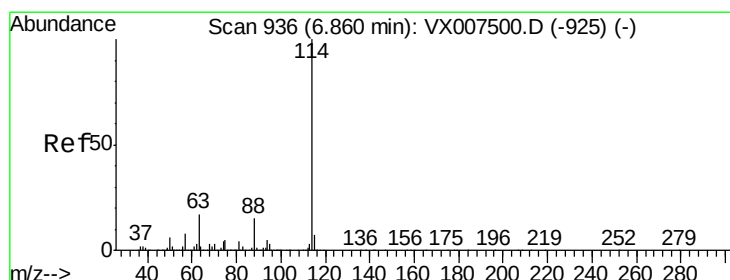
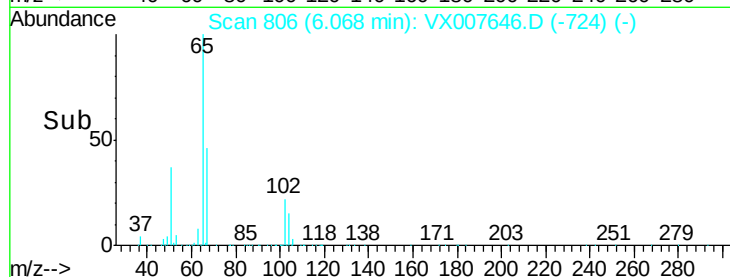
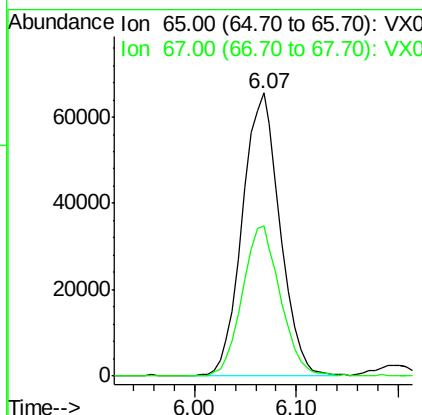
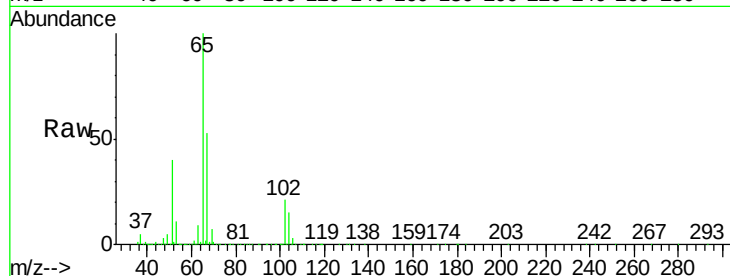
#27
 1,2-Dichloroethane-d4
 Concen: 30.422 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	42.9	64.3

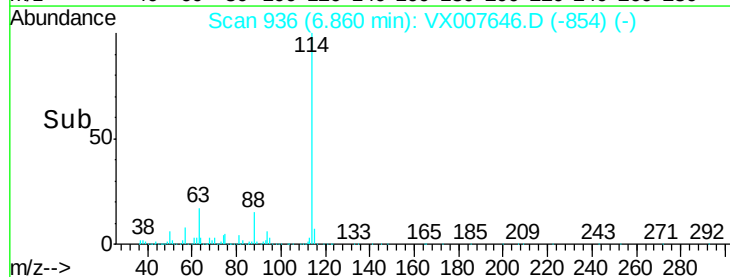
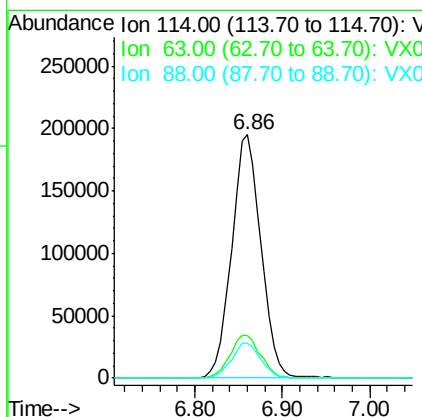
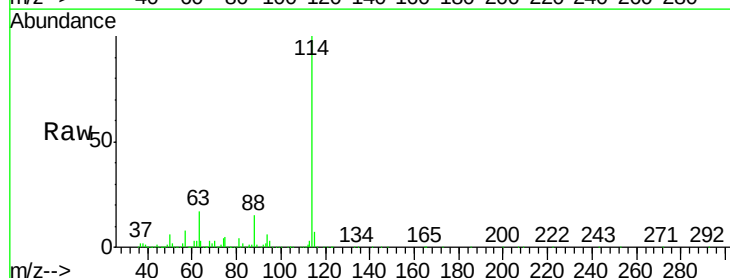
Manual Integrations
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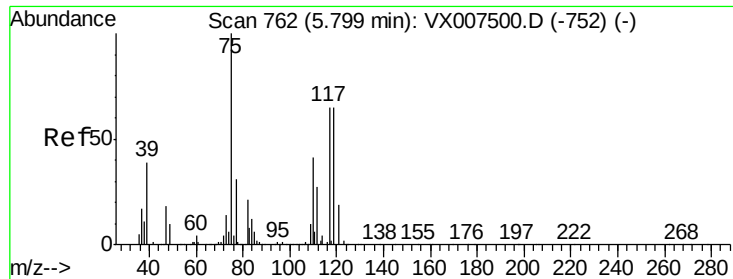
MMDadoda
 2/25/2019 9:47:12 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	14.2	21.4
88	14.4	11.9	17.9





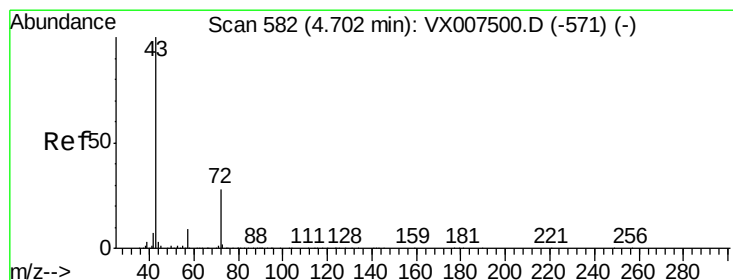
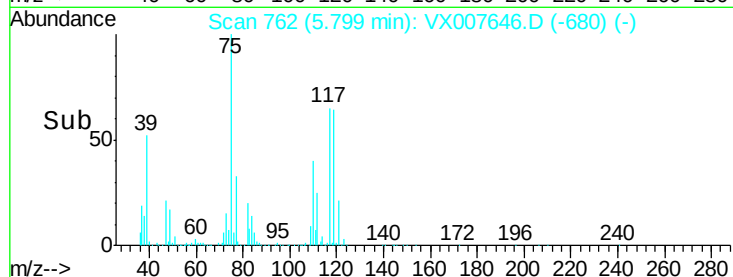
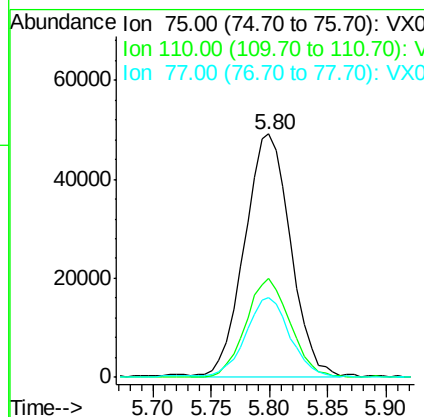
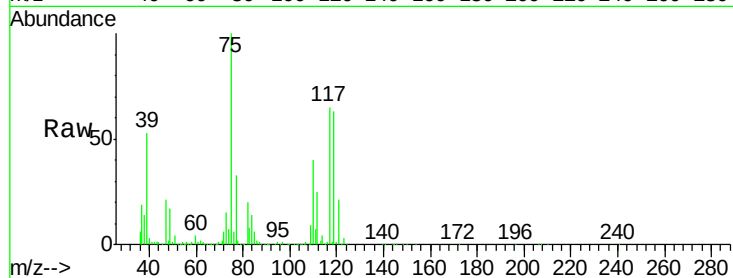
#29
 1,1-Dichloropropene
 Concen: 21.218 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.3	0.0	80.8
77	31.6	0.0	62.4

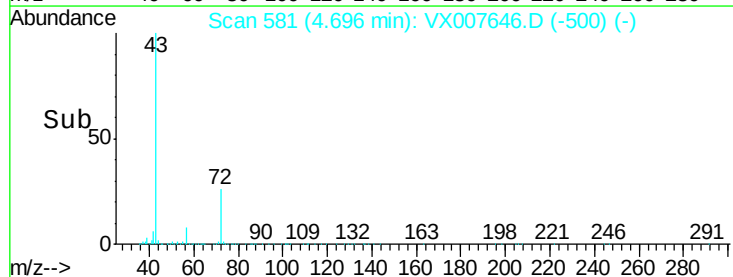
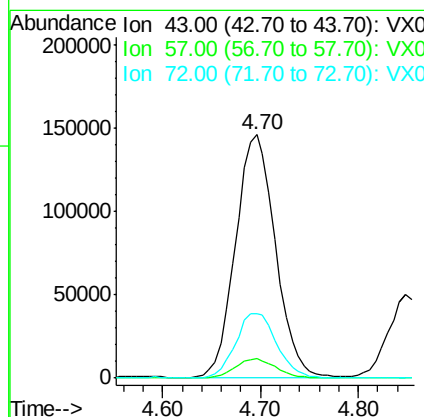
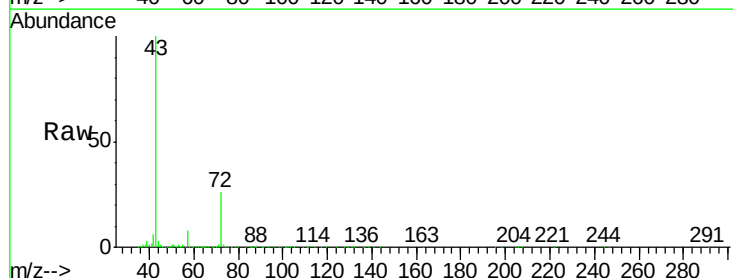
Manual Integrations
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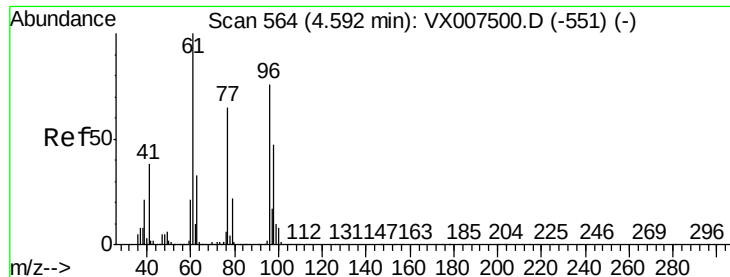
MMDadoda
 2/25/2019 9:47:12 AM



#30
 2-Butanone
 Concen: 109.814 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	7.0	10.6
72	27.1	21.5	32.3





#31

2,2-Dichloropropane

Concen: 26.440 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 136265

Ion Ratio Lower Upper

77 100

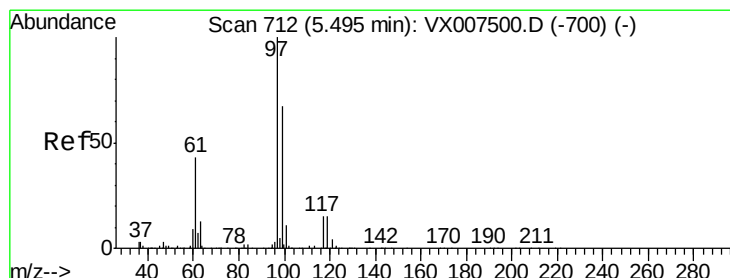
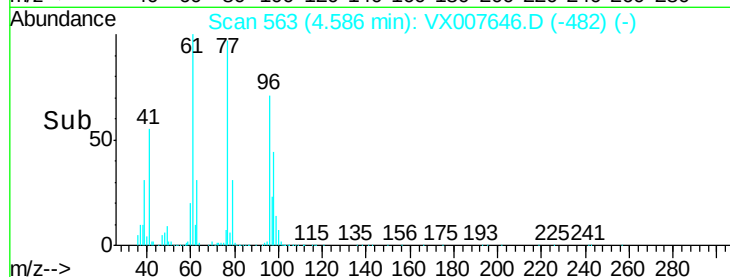
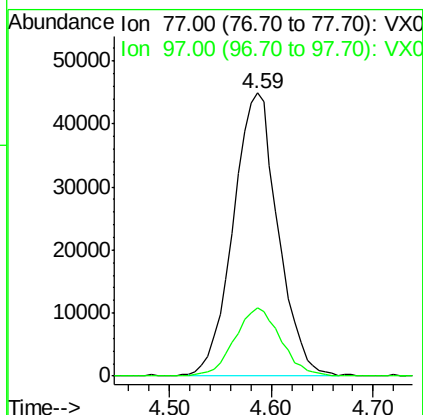
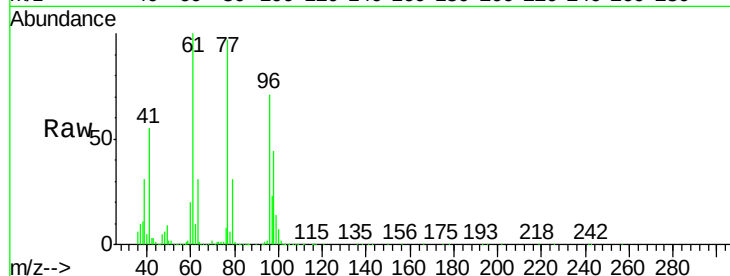
97 24.8 20.6 31.0

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#32

1,1,1-Trichloroethane

Concen: 20.910 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

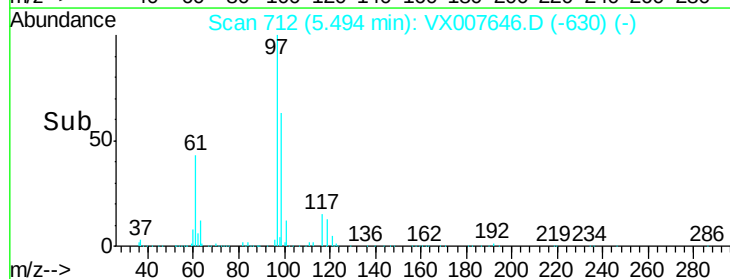
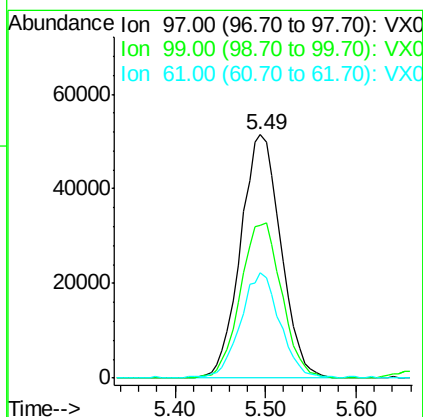
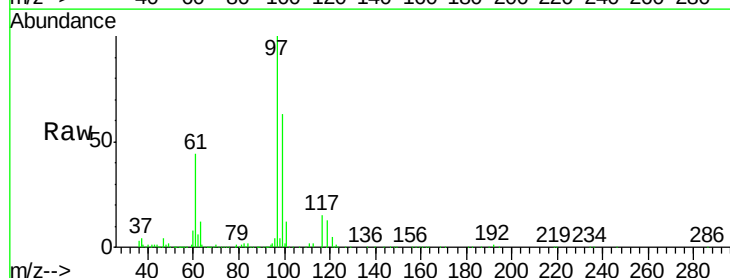
Tgt Ion: 97 Resp: 158535

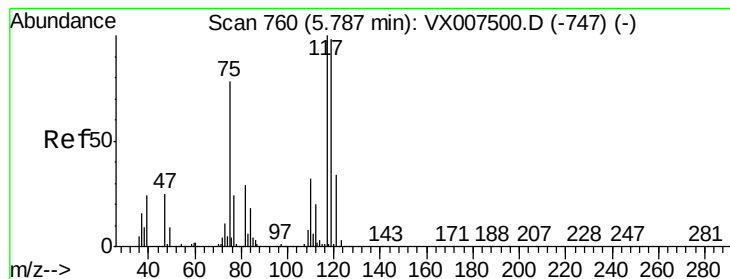
Ion Ratio Lower Upper

97 100

99 65.3 51.7 77.5

61 41.8 32.8 49.2





#33

Carbon Tetrachloride

Concen: 21.335 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

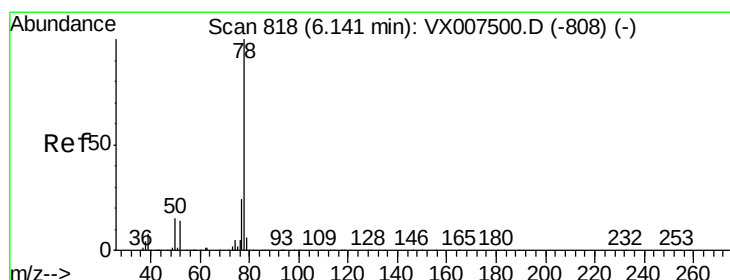
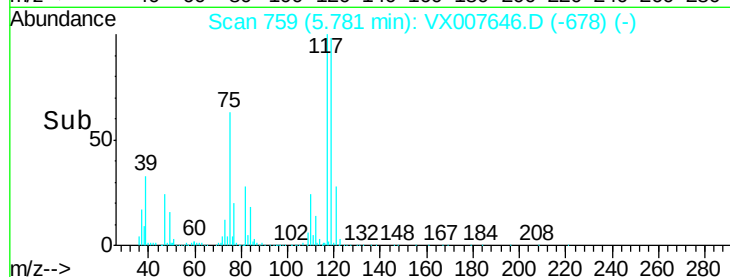
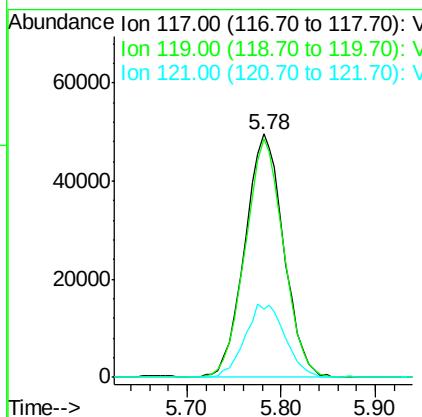
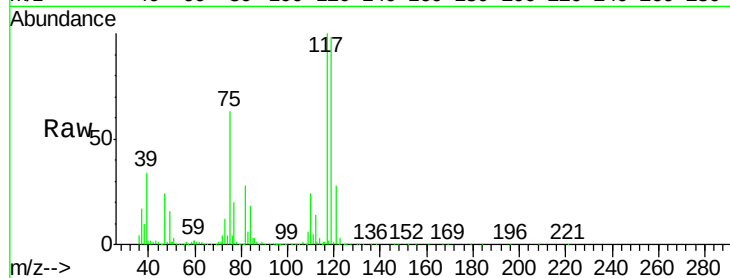
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	142995
Ion Ratio	Lower	Upper	
117	100		
119	97.9	78.1	117.1
121	27.7	27.0	40.6

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#34

Benzene

Concen: 20.521 ug/l

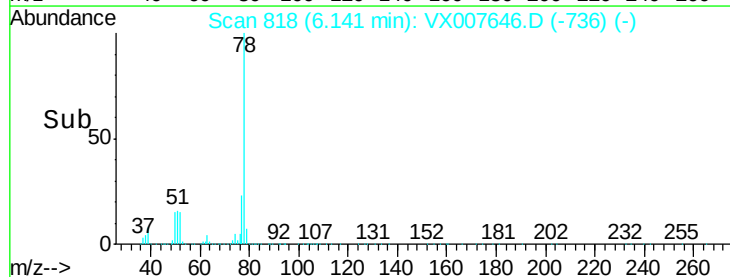
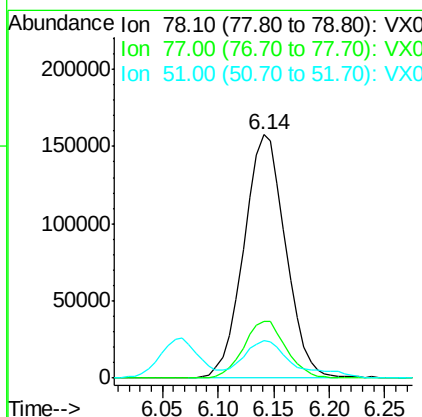
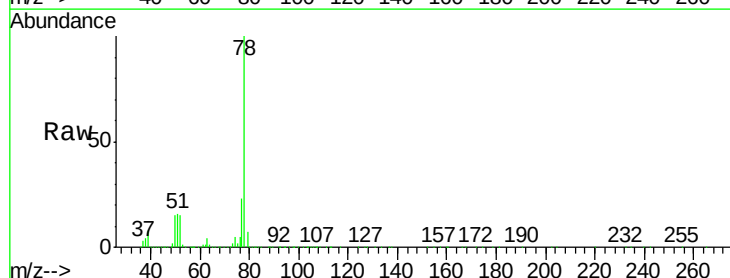
RT: 6.14 min Scan# 818

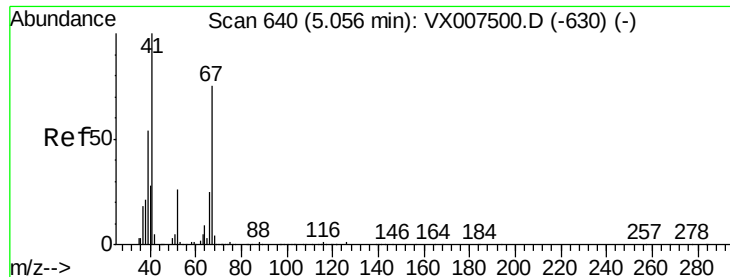
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	78	Resp:	410371
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.1	28.7
51	12.8	10.8	16.2





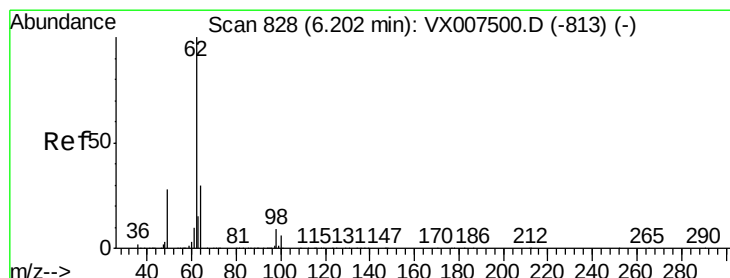
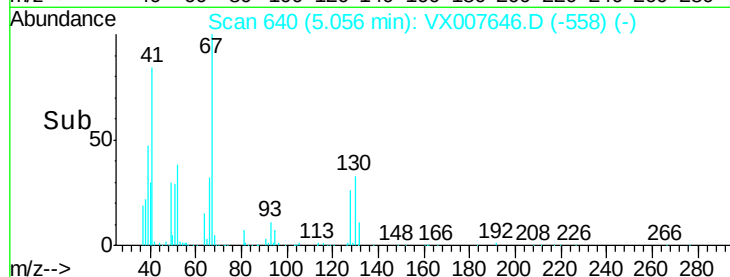
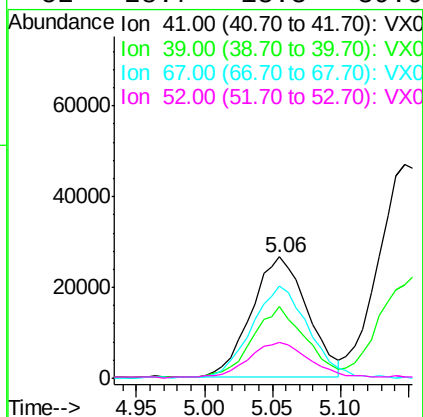
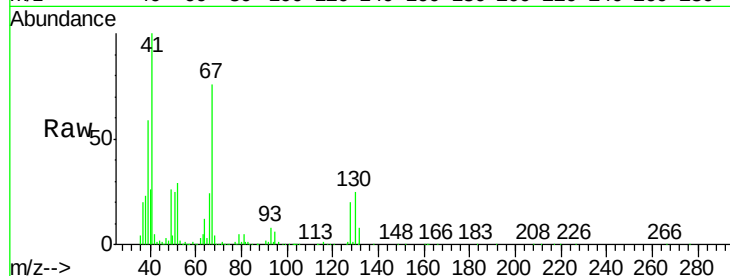
#35
Methacrylonitrile
Concen: 19.602 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.8	27.4	82.0	
67	75.5	37.9	113.6	
52	28.7	13.3	39.9	

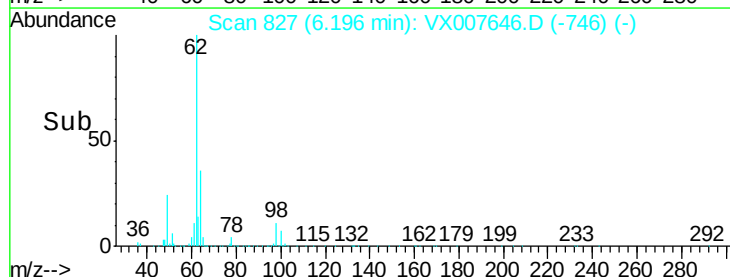
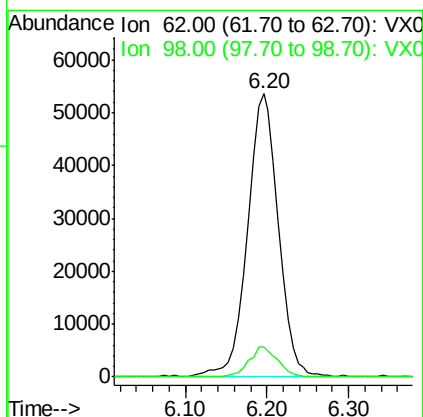
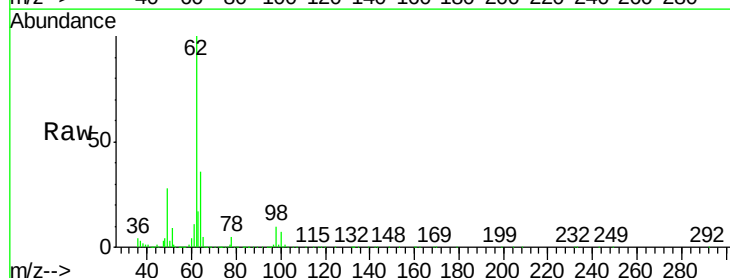
Manual Integrations
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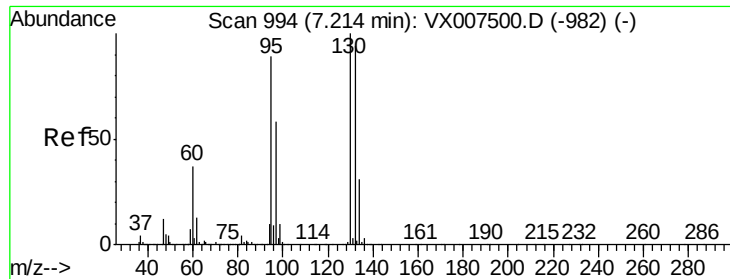
MMDadoda
2/25/2019 9:47:12 AM



#36
1,2-Dichloroethane
Concen: 20.545 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	7.8	11.8	





#37

Trichloroethene

Concen: 20.862 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:130 Resp: 119944

Ion Ratio Lower Upper

130 100

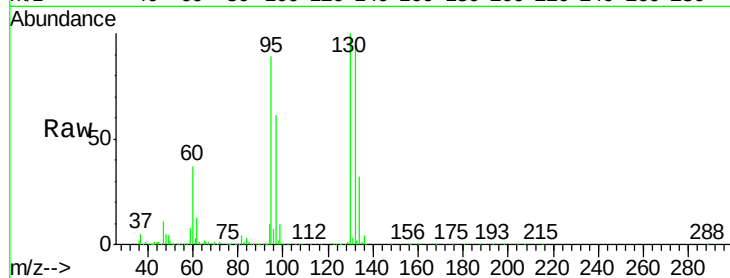
95 89.1 71.3 106.9

Manual Integrations

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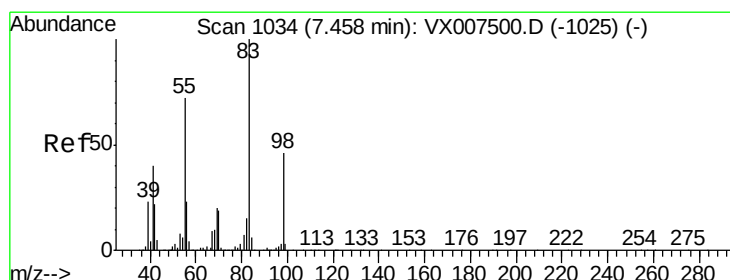
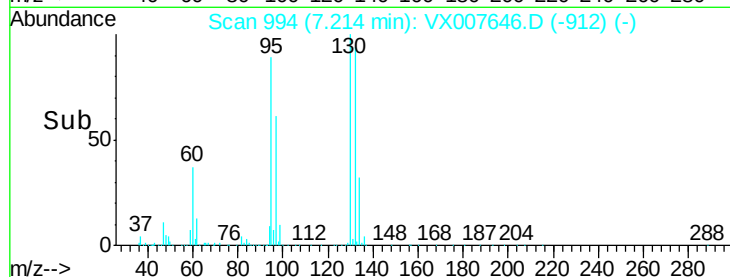
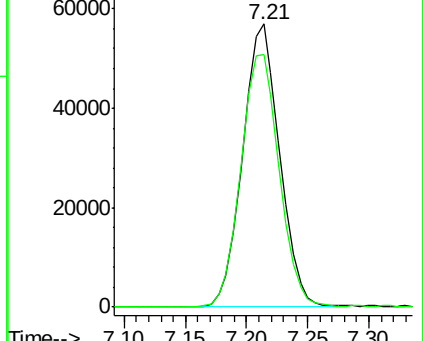
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 22.905 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

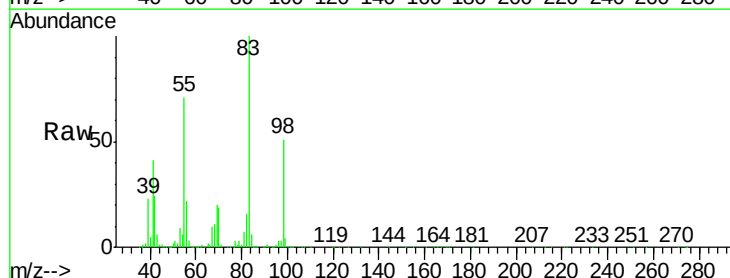
Tgt Ion: 83 Resp: 168193

Ion Ratio Lower Upper

83 100

55 73.1 36.0 108.0

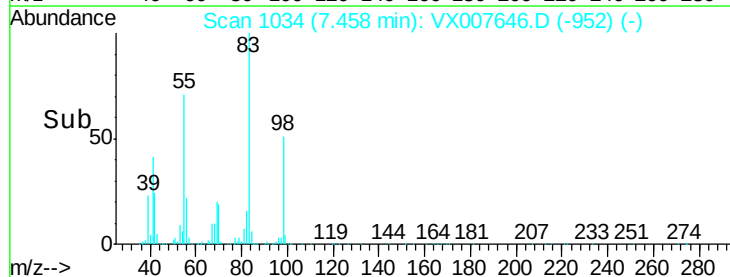
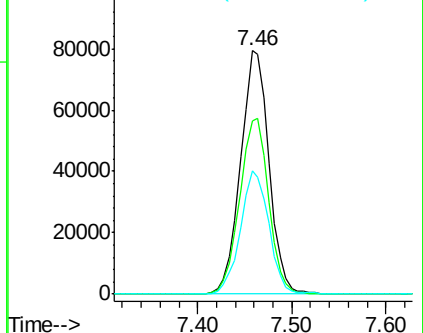
98 50.4 23.8 71.4

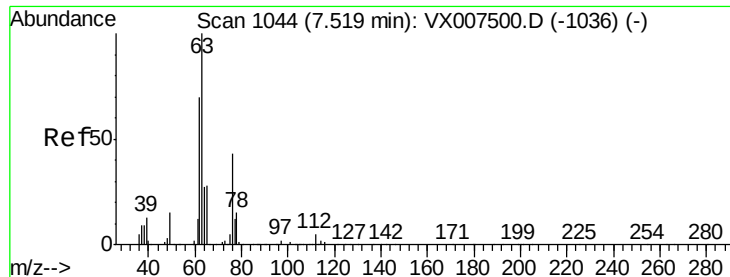


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





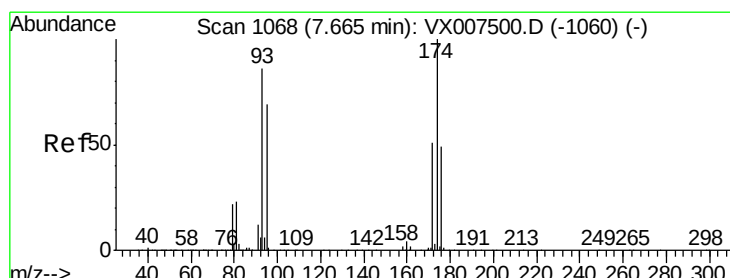
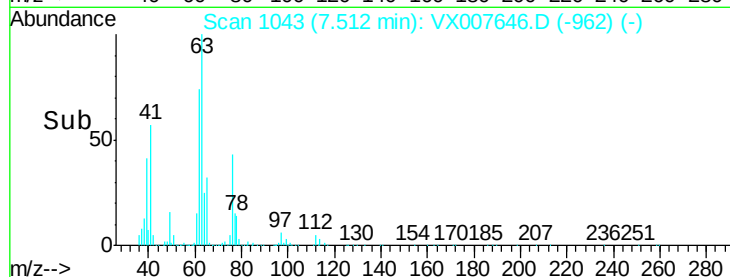
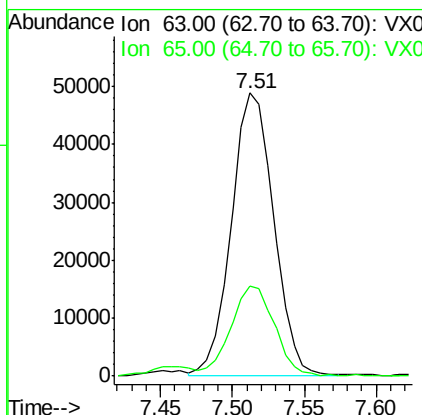
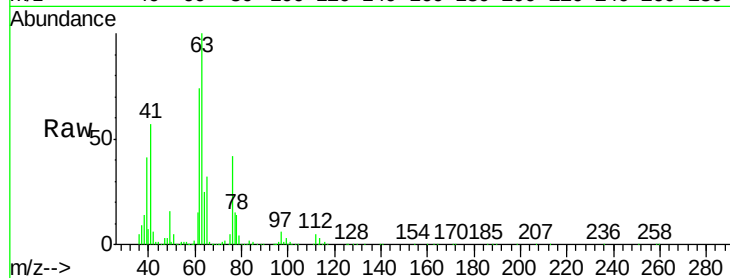
#39
 1,2-Dichloropropane
 Concen: 20.168 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	37.0

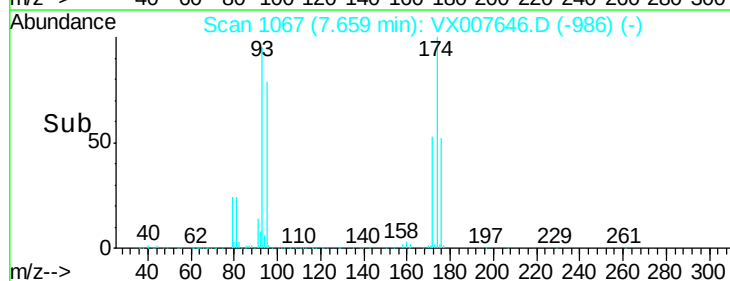
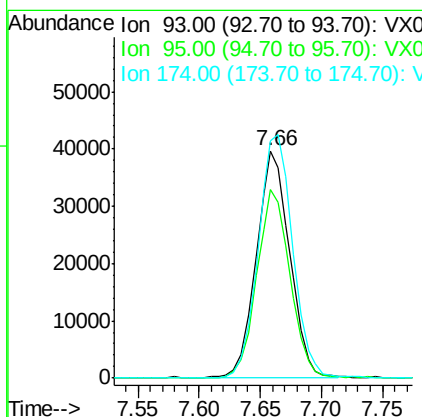
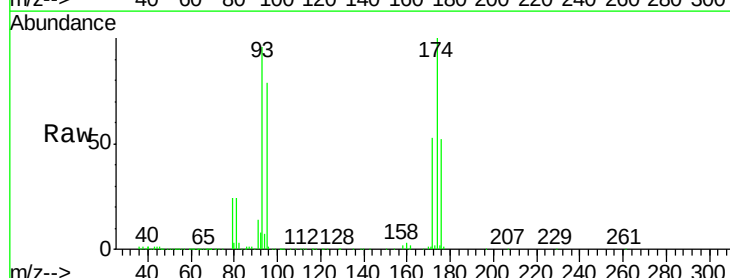
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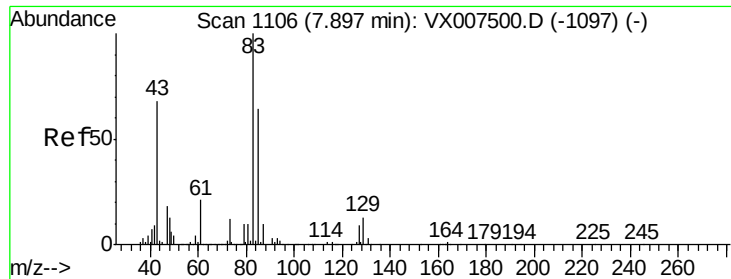
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#40
 Dibromomethane
 Concen: 20.909 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	158.8
174	110.6	0.0	224.2





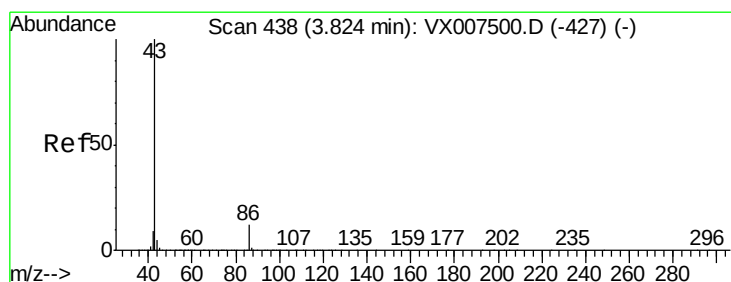
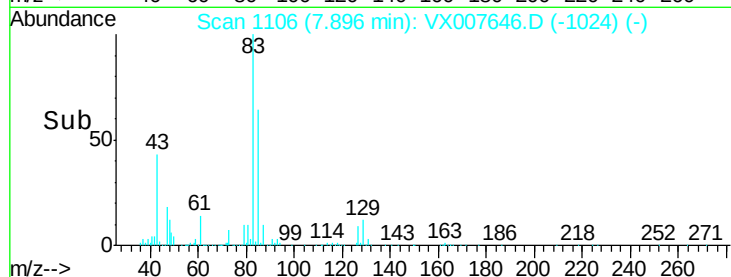
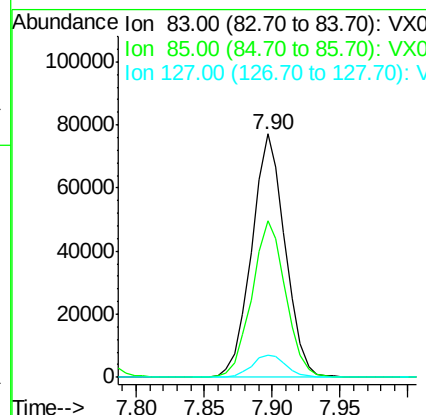
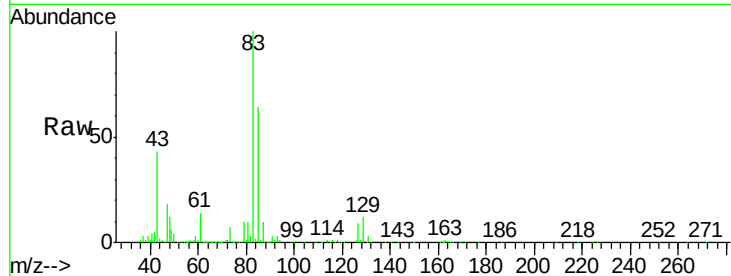
#41
Bromodichloromethane
Concen: 20.814 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	132693
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.1	76.7
127	8.9	7.2	10.8

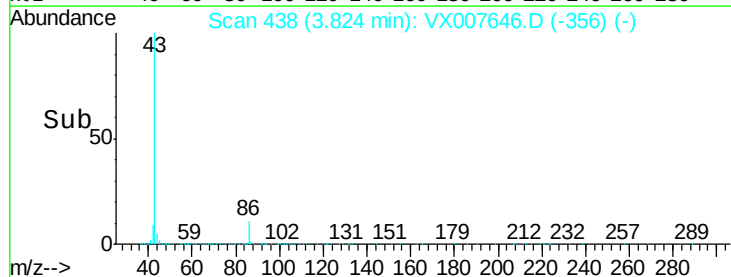
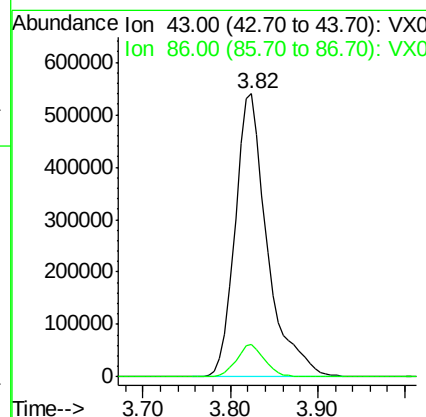
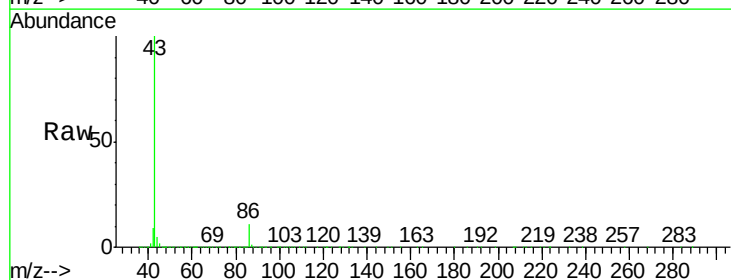
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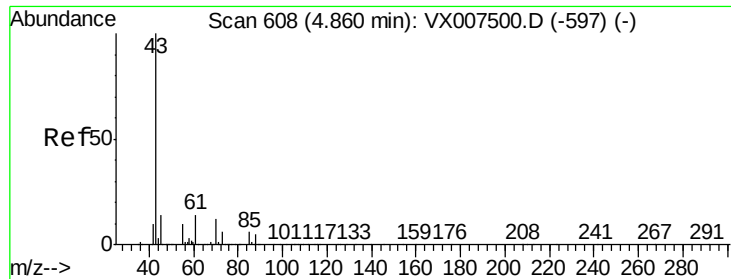
MMDadoda
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#42
Vinyl Acetate
Concen: 105.384 ug/l
RT: 3.82 min Scan# 438
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	43	Resp	1384713
Ion Ratio	Lower	Upper	
43	100		
86	10.0	8.2	12.2





#43

Ethyl Acetate

Concen: 20.021 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 143932

Ion Ratio Lower Upper

43 100

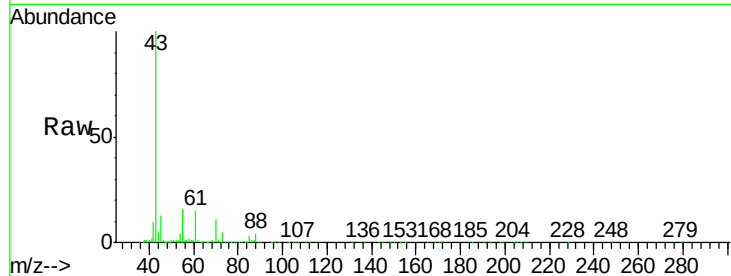
45 14.1 6.9 10.3#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

150000

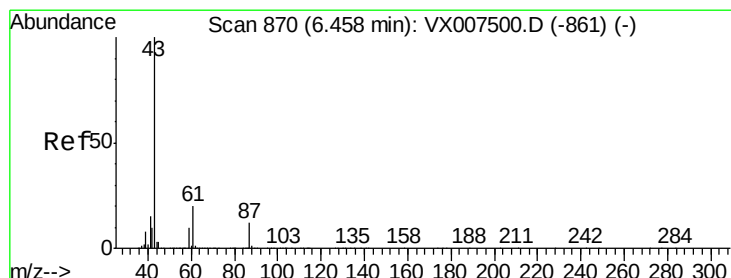
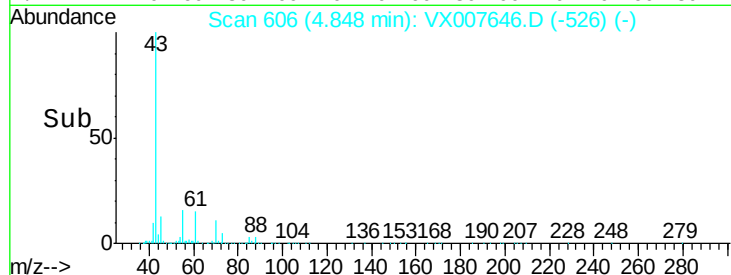
100000

50000

0

4.70 4.80 4.90 5.00

Time-->



#44

Isopropyl Acetate

Concen: 19.578 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX007646.D

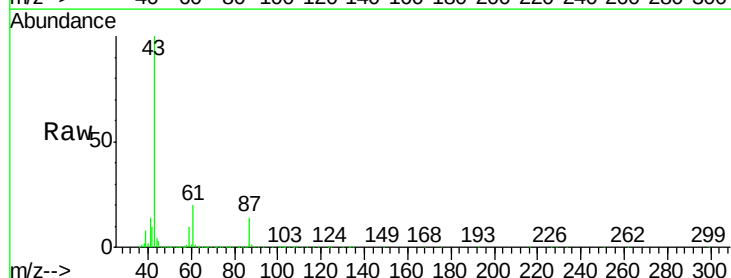
Acq: 22 Feb 2019 08:31

Tgt Ion: 43 Resp: 217304

Ion Ratio Lower Upper

43 100

61 20.5 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

100000

80000

60000

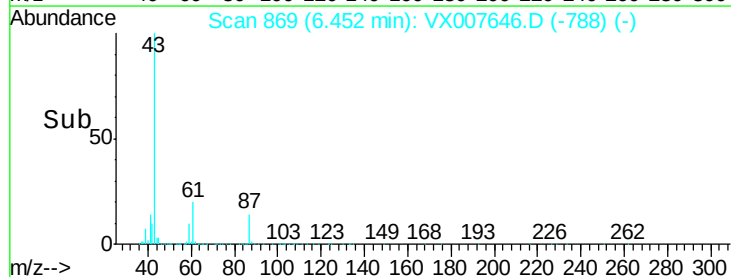
40000

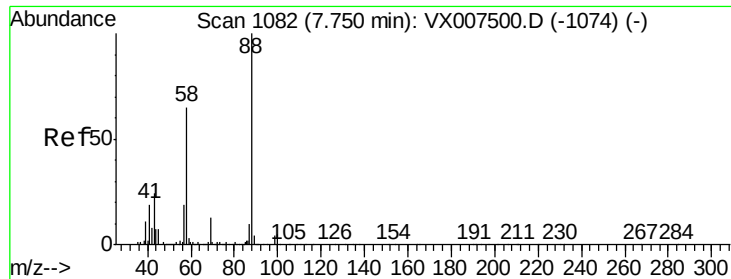
20000

0

6.40 6.50

Time-->





#45

1,4-Dioxane

Concen: 411.073 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

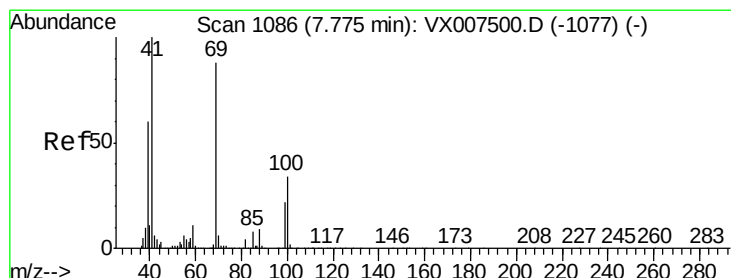
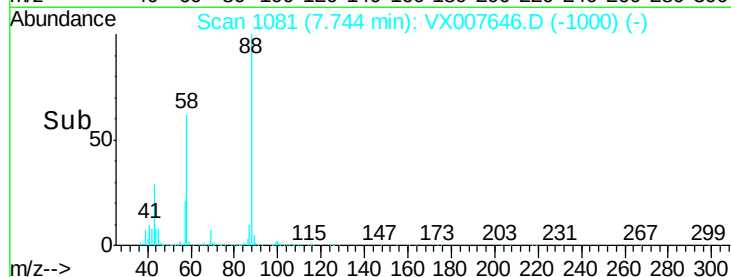
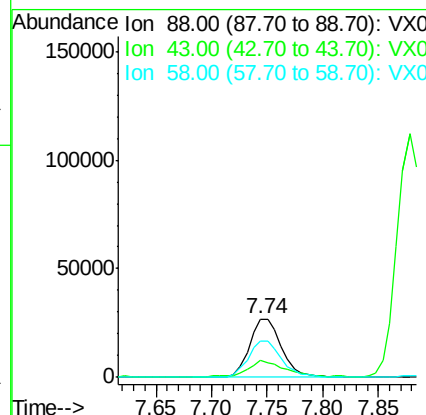
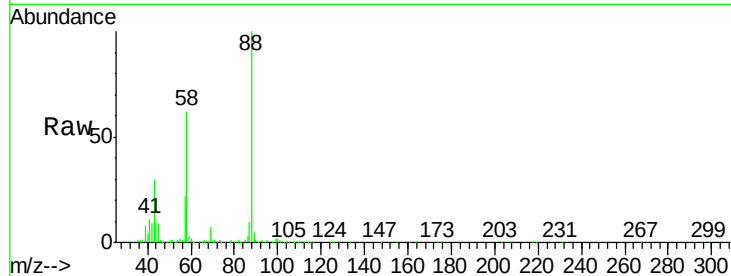
ClientSampleId :

VSTDCCC020

Tot Ion:	88	Resp:	53848
Ion	Ratio	Lower	Upper
88	100		
43	28.7	23.6	35.4
58	61.8	51.6	77.4

Manual Integrations
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MMDadoda
2/25/2019 9:47:12 AM



#46

Methyl methacrylate

Concen: 20.486 ug/l

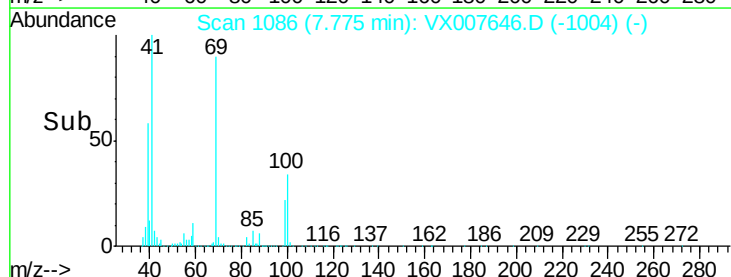
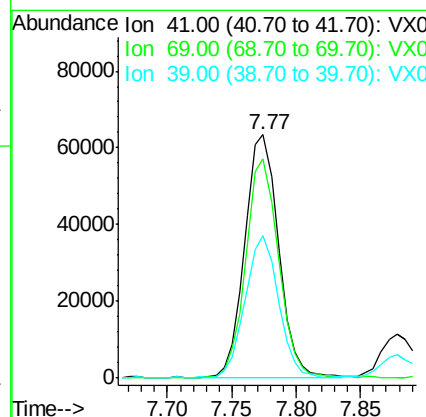
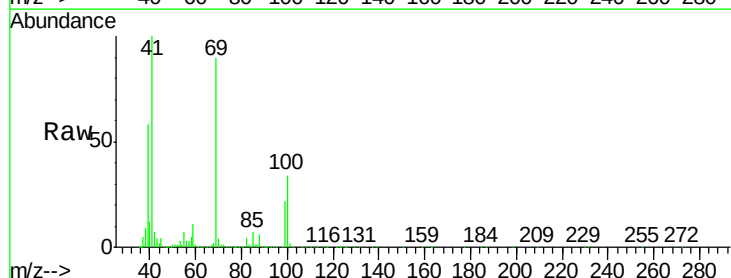
RT: 7.77 min Scan# 1086

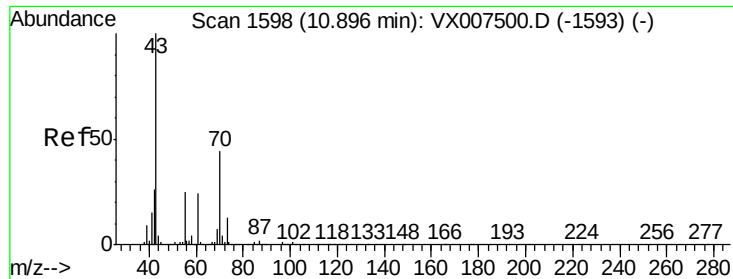
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	41	Resp:	115145
Ion	Ratio	Lower	Upper
41	100		
69	90.1	44.2	132.6
39	58.2	29.9	89.8





#47

n-amvl Acetate

Concen: 20.935 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 204807

Ion Ratio Lower Upper

43 100

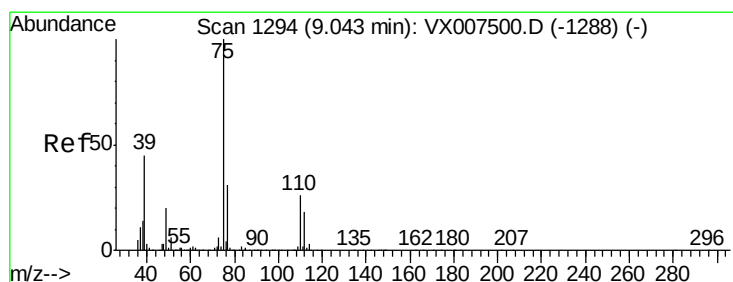
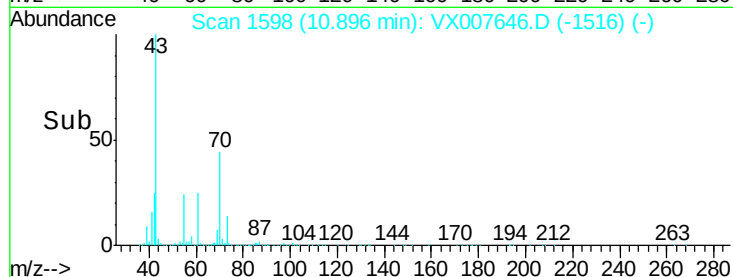
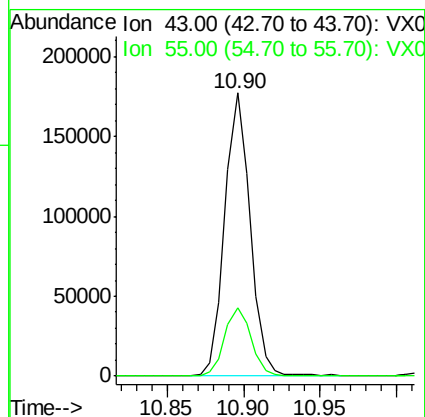
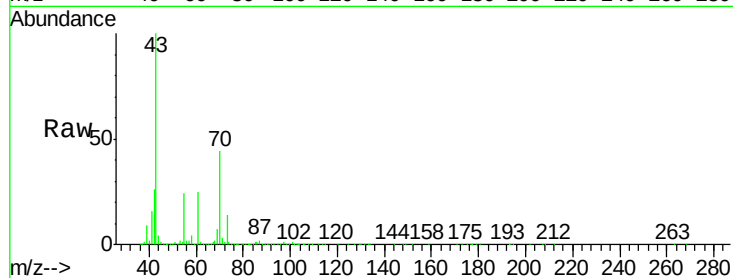
55 25.1 20.8 31.2

Manual Integrations

APPROVED

MMDadoda

2/25/2019 9:47:12 AM



#48

t-1,3-Dichloropropene

Concen: 21.710 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007646.D

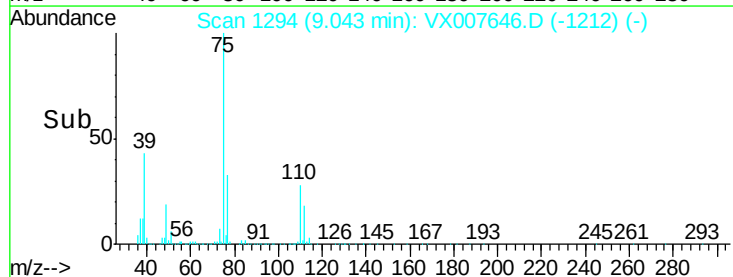
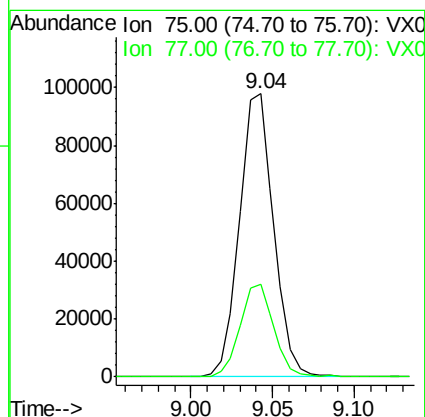
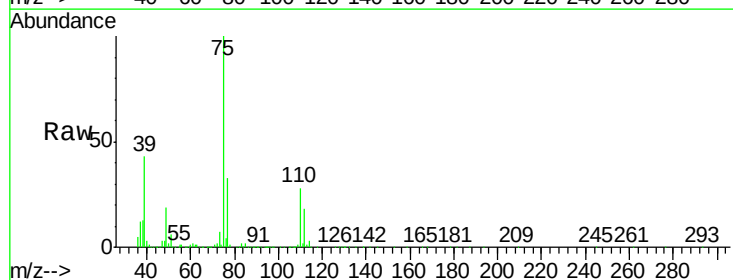
Acq: 22 Feb 2019 08:31

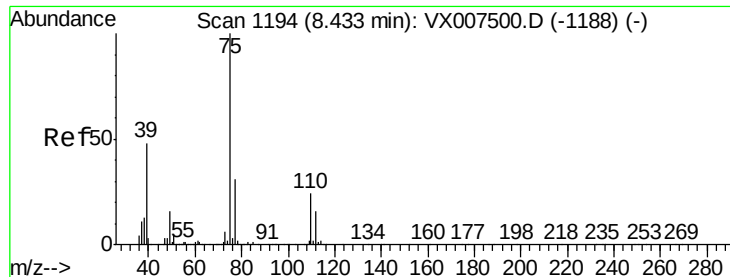
Tgt Ion: 75 Resp: 142875

Ion Ratio Lower Upper

75 100

77 32.8 24.5 36.7





#49

cis-1,3-Dichloropropene

Concen: 21.807 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

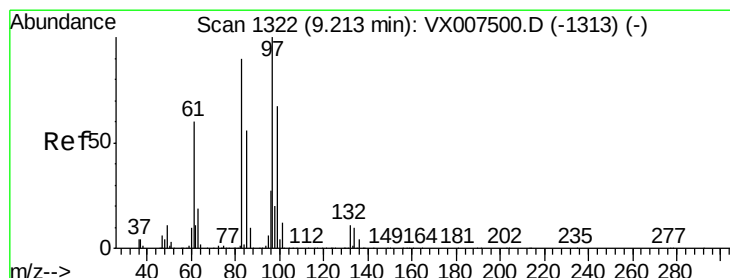
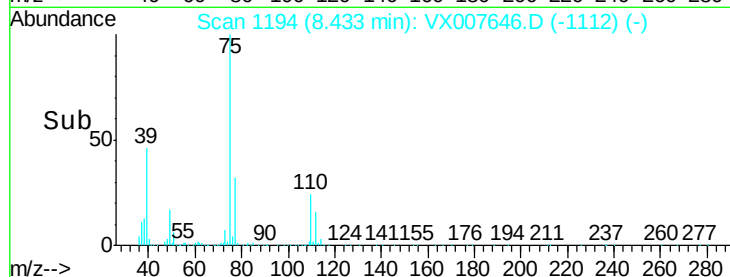
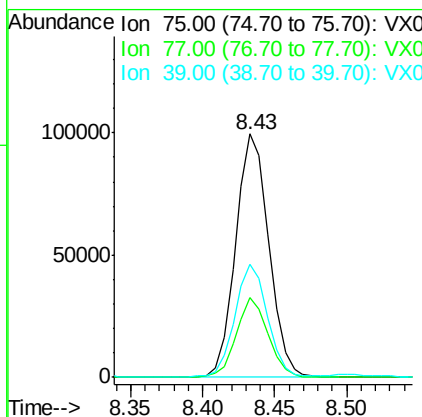
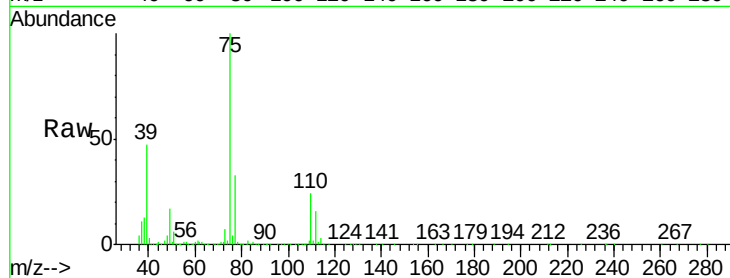
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	159812
Ion Ratio	Lower	Upper	
75	100		
77	32.5	25.0	37.4
39	46.4	38.5	57.7

Manual Integrations
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MMDadoda
2/25/2019 9:47:12 AM



#50

1,1,2-Trichloroethane

Concen: 20.880 ug/l

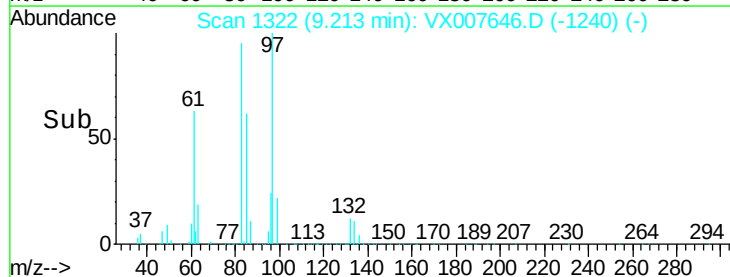
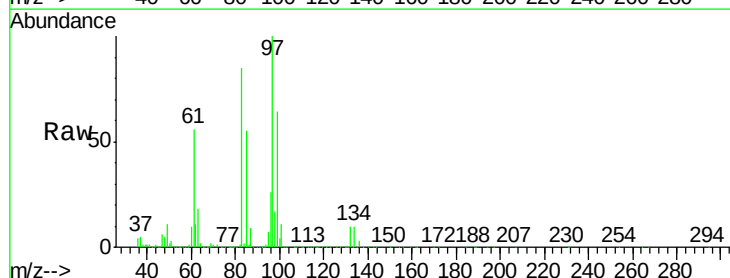
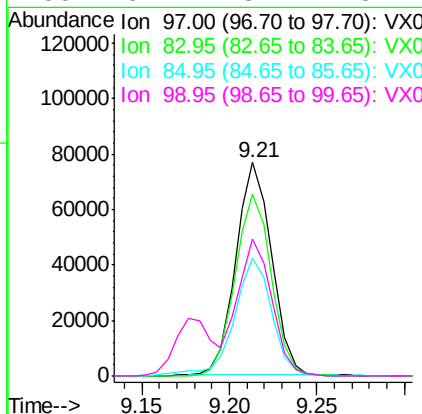
RT: 9.21 min Scan# 1322

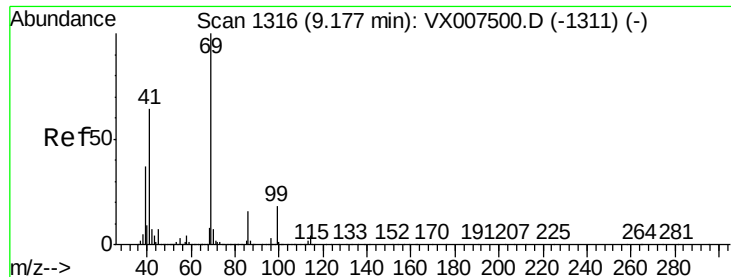
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	97	Resp:	109368
Ion Ratio	Lower	Upper	
97	100		
83	85.4	72.0	108.0
85	55.3	45.0	67.6
99	64.4	54.2	81.4





#51

Ethyl methacrylate

Concen: 20.237 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

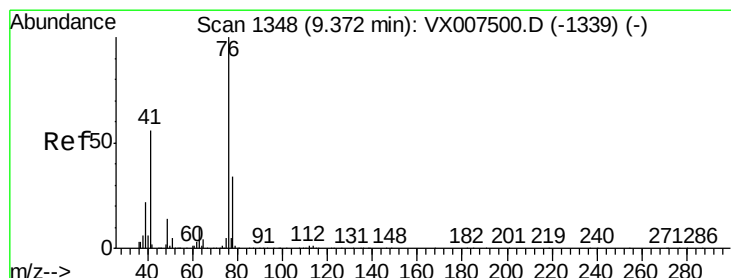
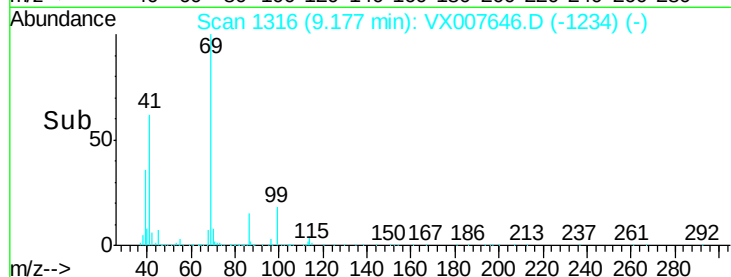
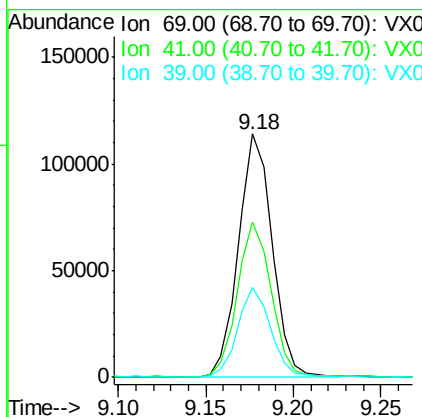
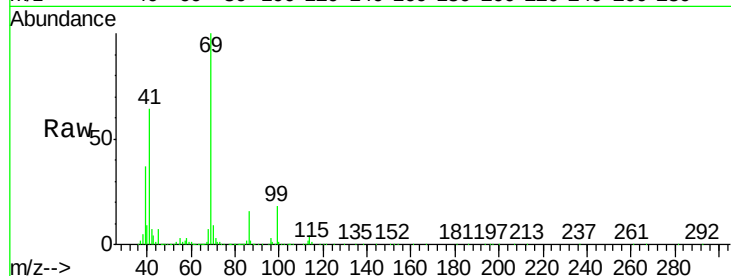
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	153675
Ion	Ratio	Lower	Upper
69	100		
41	63.4	32.1	96.5
39	36.9	18.8	56.3

Manual Integrations
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MMDadoda
2/25/2019 9:47:12 AM



#52

1,3-Dichloropropane

Concen: 21.069 ug/l

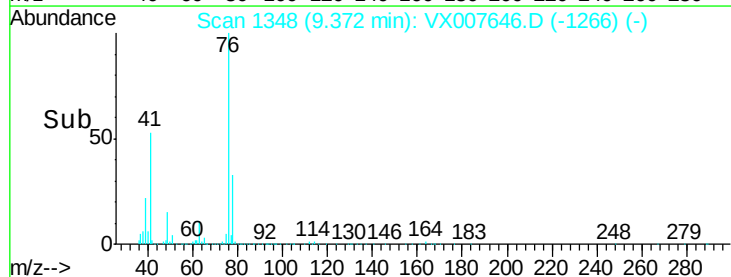
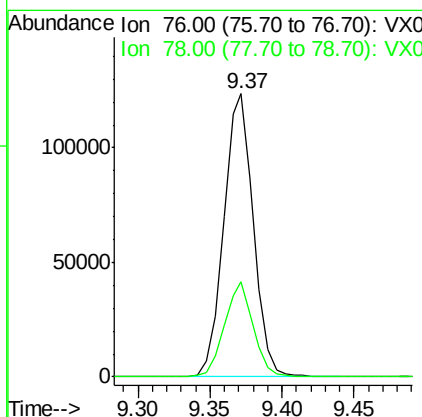
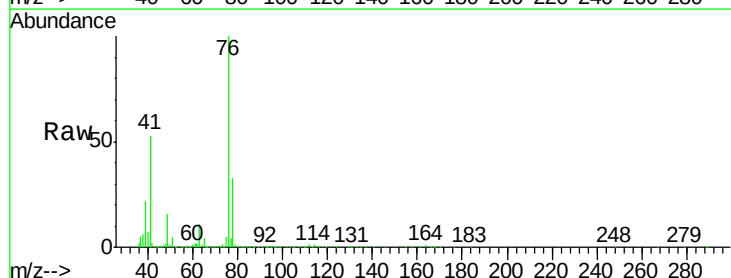
RT: 9.37 min Scan# 1348

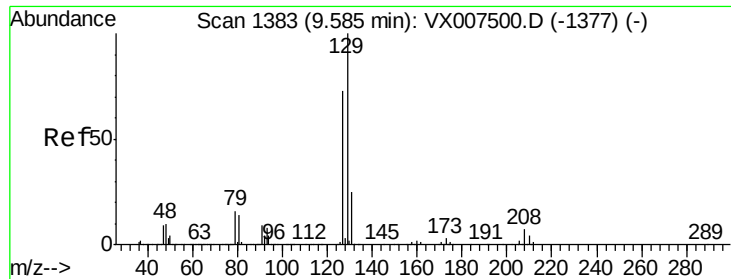
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	76	Resp:	178010
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	65.2





#53

Dibromochloromethane

Concen: 20.984 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tot Ion:129 Resp: 114318

Ion Ratio Lower Upper

129 100

127 76.8 38.4 115.2

Instrument :

MSVOA_X

ClientSampleId :

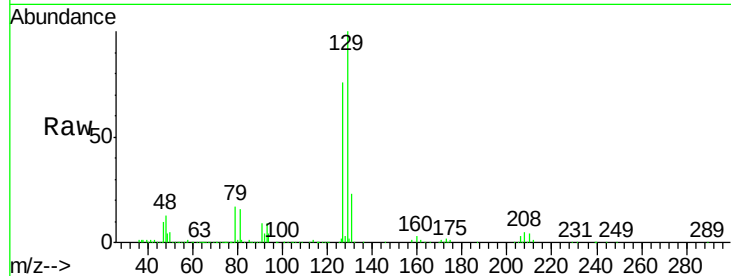
VSTDCCC020

Manual Integrations

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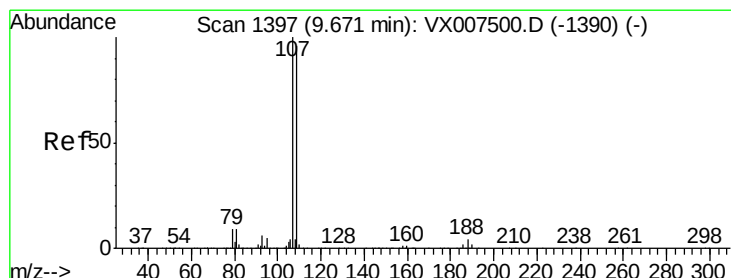
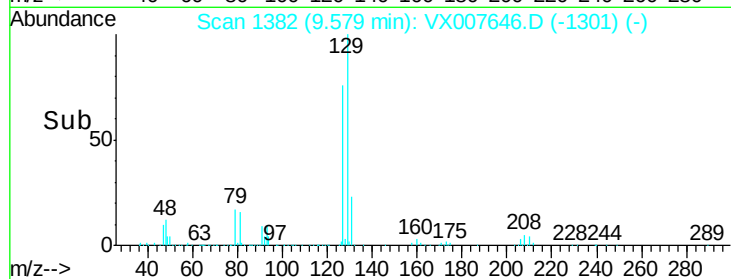
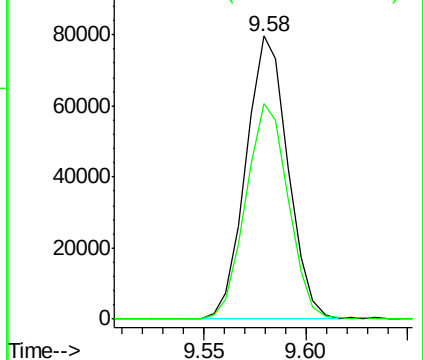
MMDadoda

2/25/2019 9:47:12 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.965 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007646.D

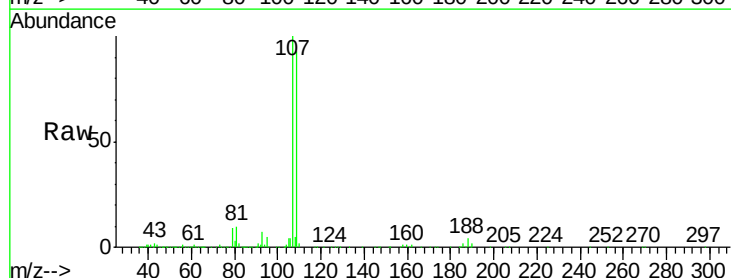
Acq: 22 Feb 2019 08:31

Tgt Ion:107 Resp: 120244

Ion Ratio Lower Upper

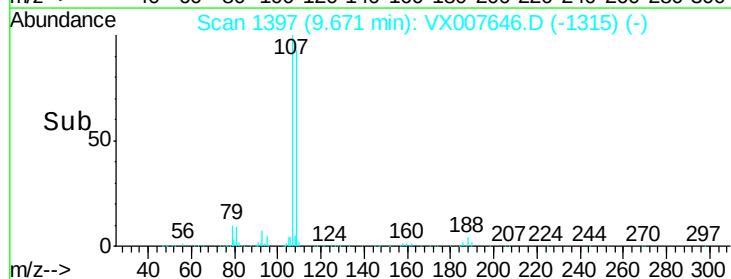
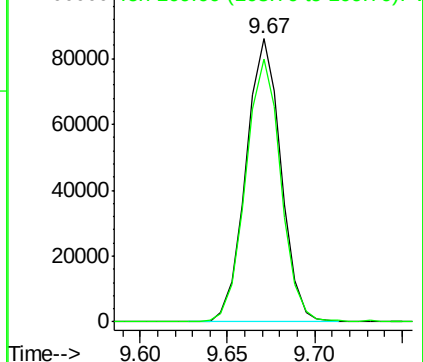
107 100

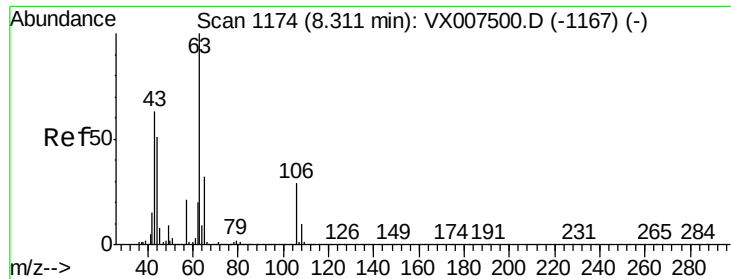
109 93.5 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





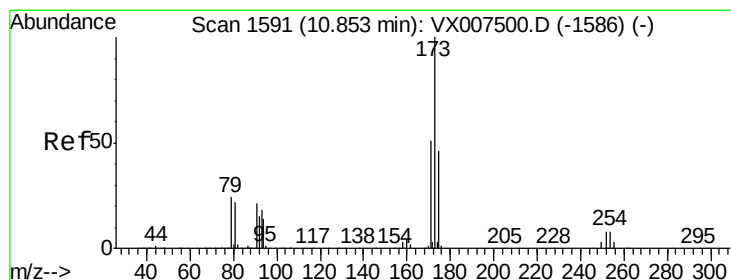
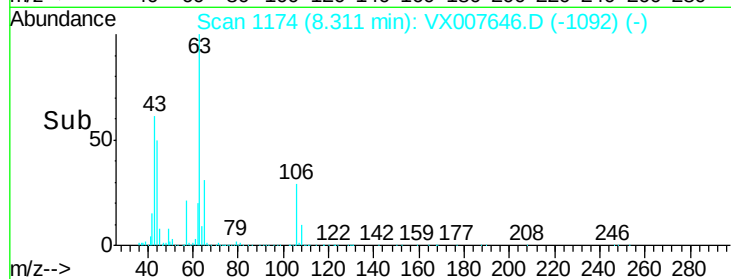
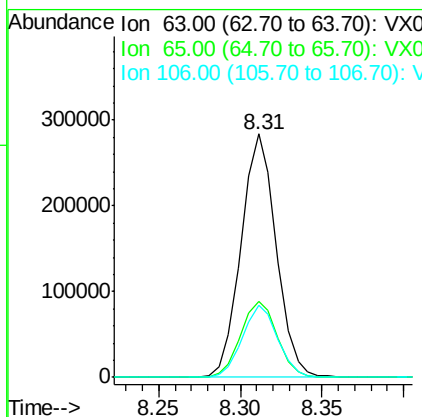
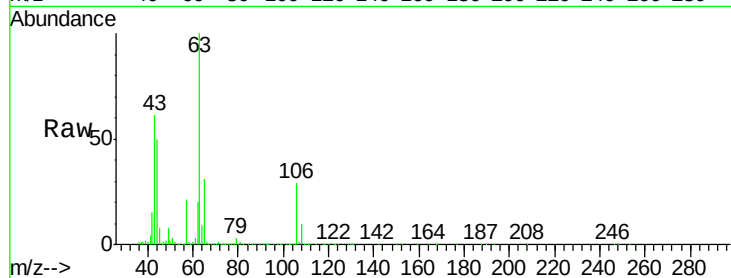
#55
 2-Chloroethyl vinyl ether
 Concen: 110.767 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.7	38.5
106	29.8	23.7	35.5

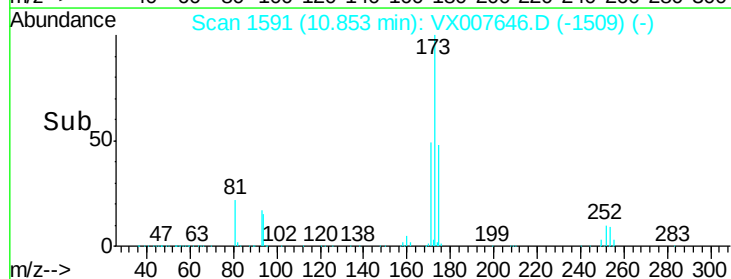
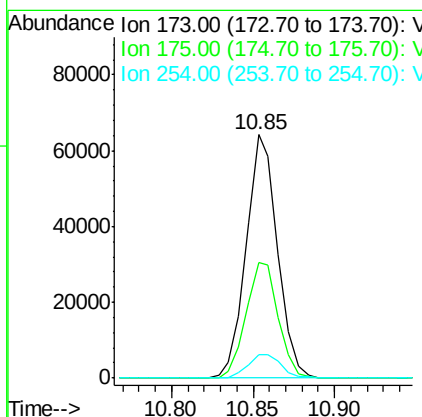
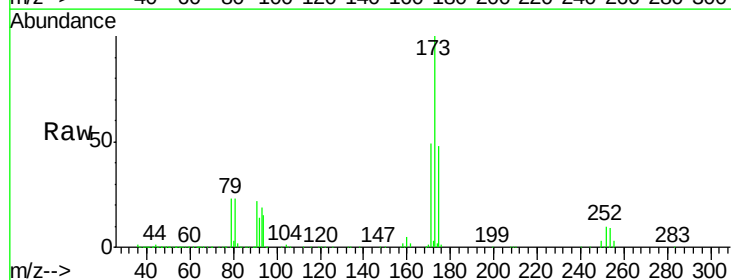
Manual Integrations
 APPROVED

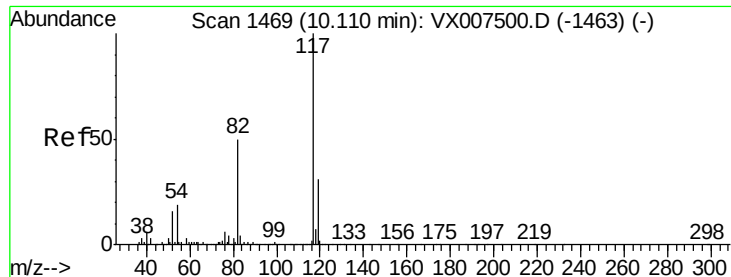
MMDadoda
 2/25/2019 9:47:12 AM



#56
 Bromoform
 Concen: 20.899 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.5	57.7
254	10.1	7.4	11.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

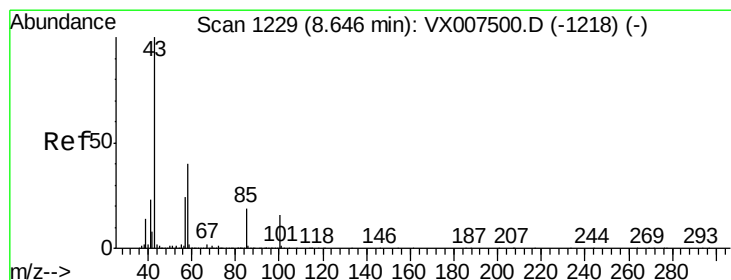
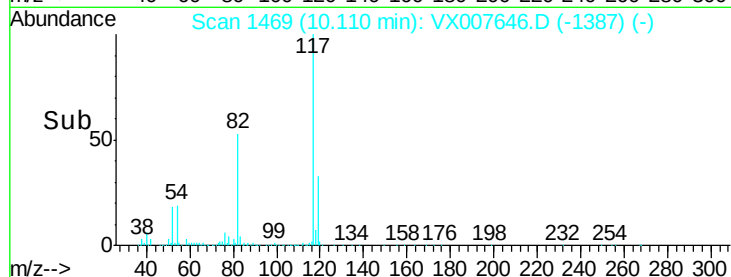
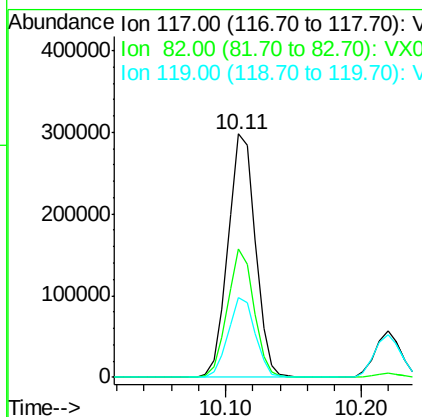
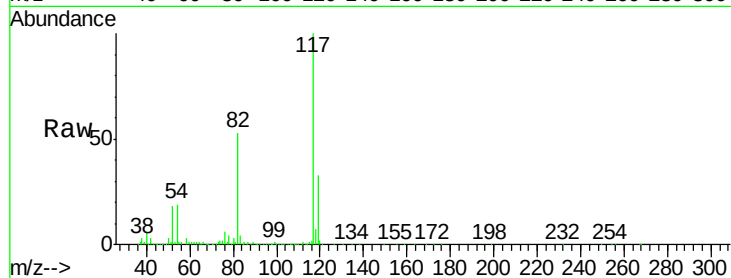
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	417497
Ion Ratio	Lower	Upper	
117	100		
82	51.0	40.4	60.6
119	32.2	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
2/25/2019 9:47:12 AM



#58

4-Methyl-2-Pentanone

Concen: 100.660 ug/l

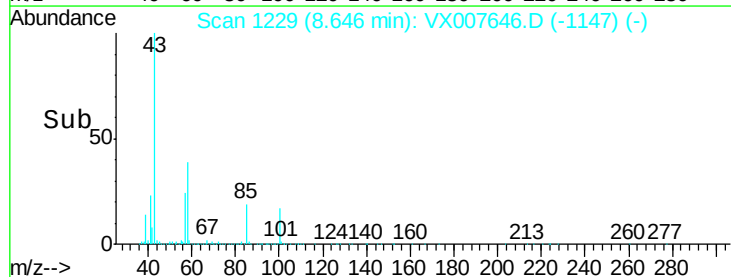
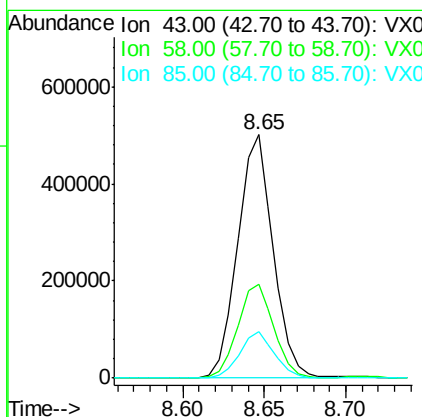
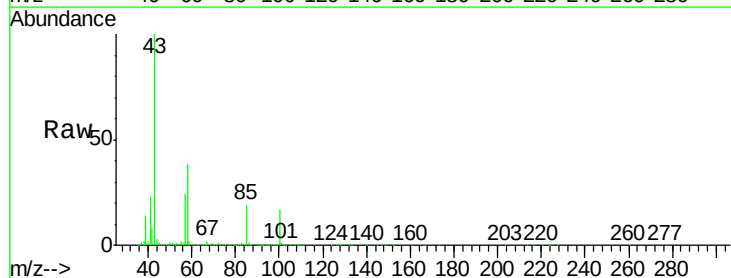
RT: 8.65 min Scan# 1229

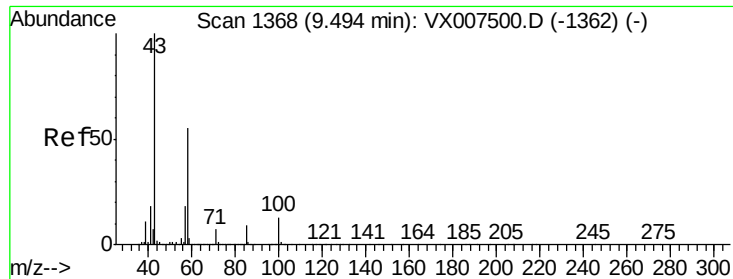
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	43	Resp:	755912
Ion Ratio	Lower	Upper	
43	100		
58	39.3	31.4	47.0
85	18.7	15.0	22.6





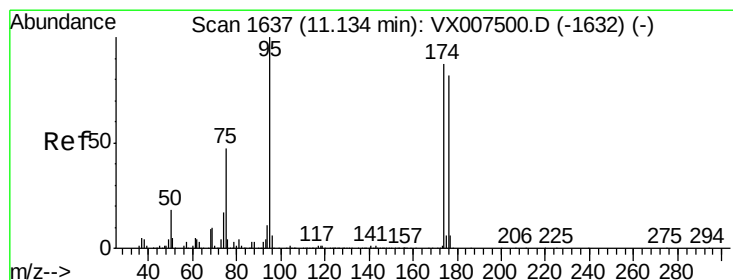
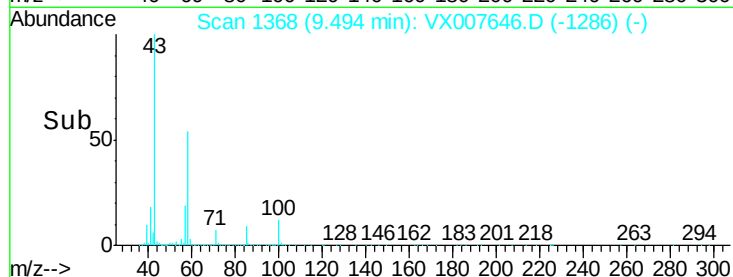
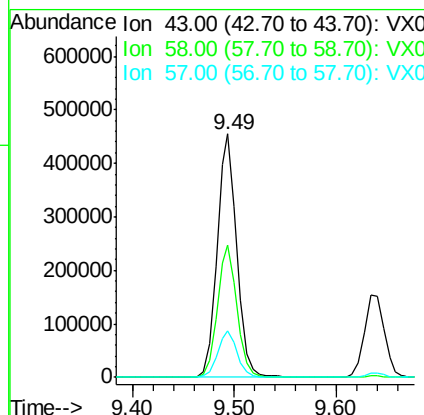
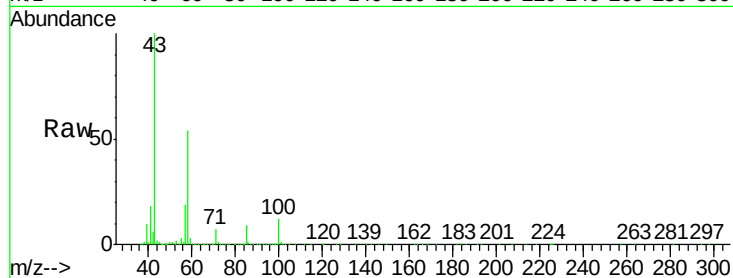
#59
2-Hexanone
Concen: 107.559 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.7	43.9	65.9
57	18.8	14.9	22.3

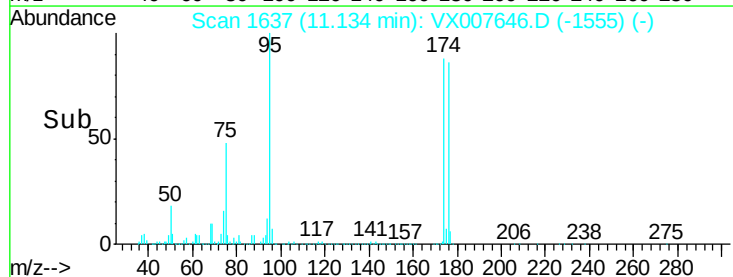
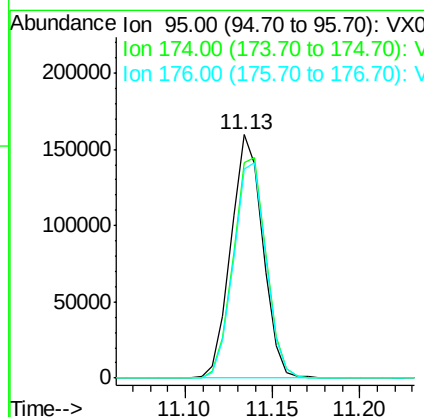
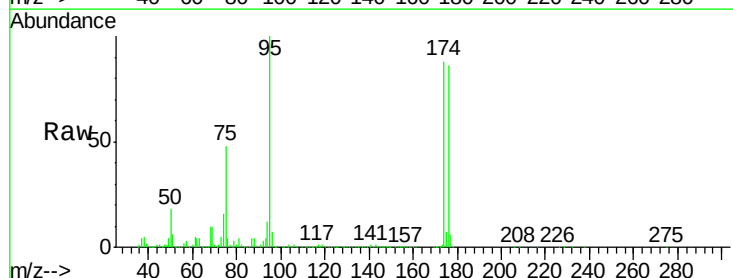
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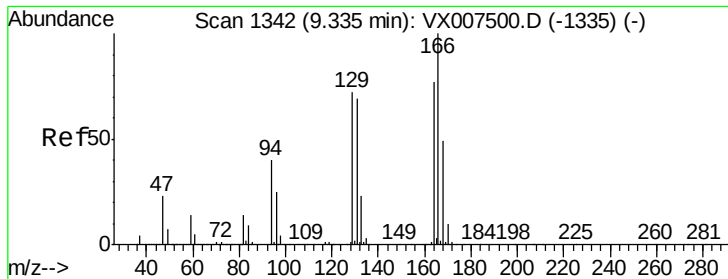
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 31.455 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.7	74.9	112.3
176	90.3	70.7	106.1





#61

Tetrachloroethene

Concen: 21.890 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

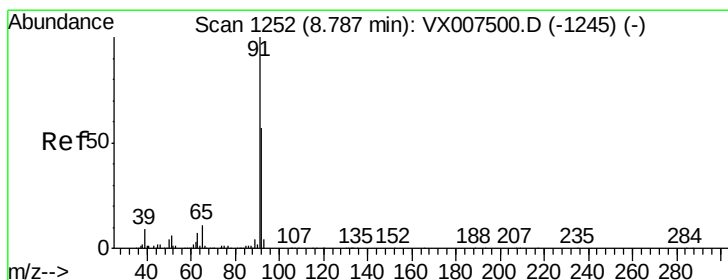
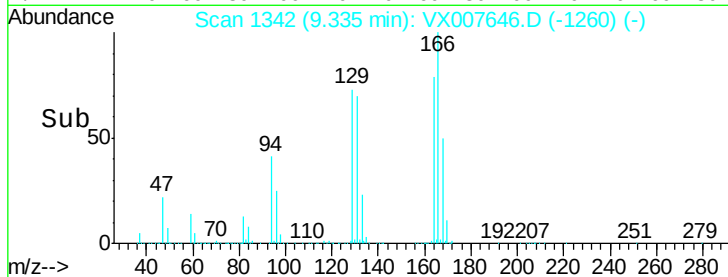
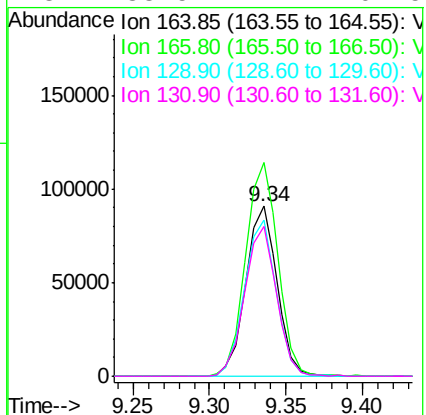
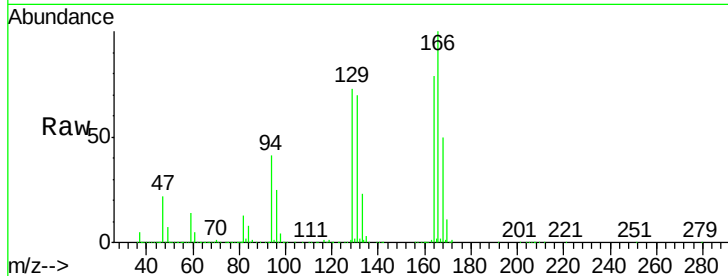
ClientSampleId :

VSTDCCC020

Tot Ion:	164	Resp:	129734
Ion	Ratio	Lower	Upper
164	100		
166	125.8	103.9	155.9
129	92.0	74.7	112.1
131	88.5	71.7	107.5

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#62

Toluene

Concen: 20.597 ug/l

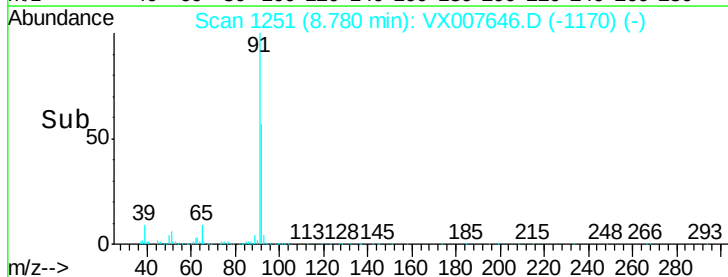
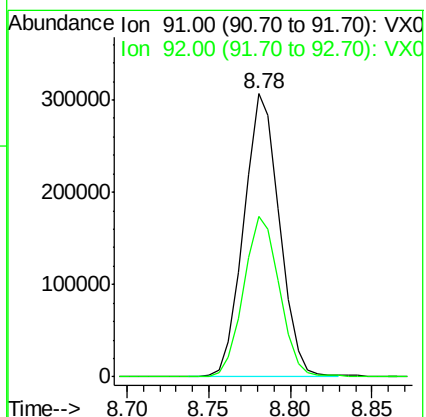
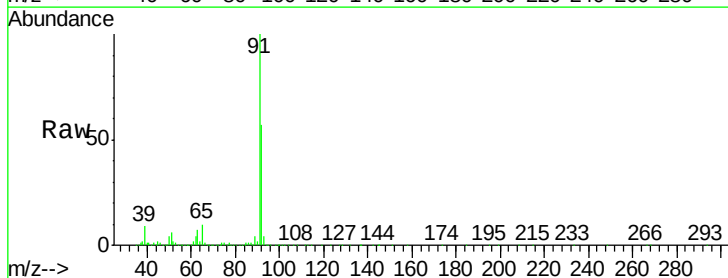
RT: 8.78 min Scan# 1251

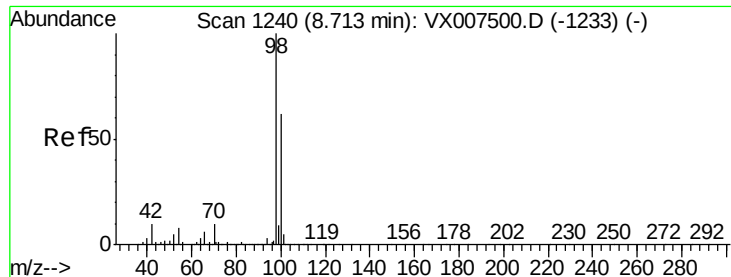
Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	91	Resp:	468318
Ion	Ratio	Lower	Upper
91	100		
92	56.7	46.4	69.6





#63

Toluene-d8

Concen: 29.961 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 565361

Ion Ratio Lower Upper

98 100

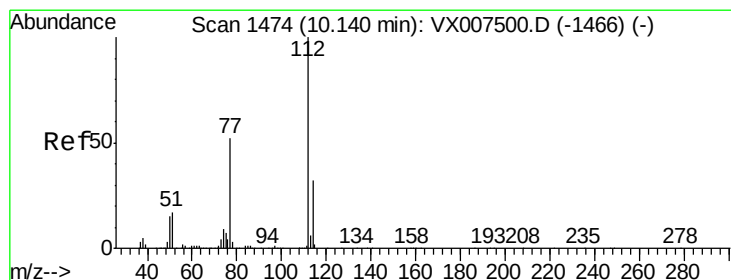
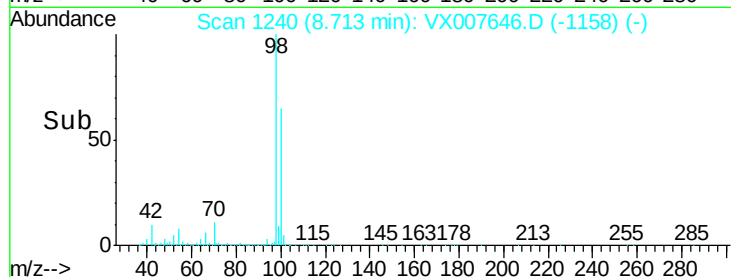
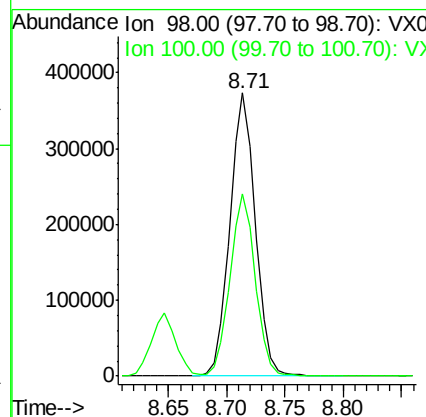
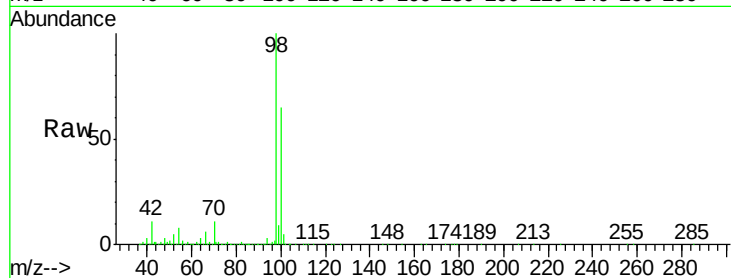
100 63.6 50.9 76.3

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#64

Chlorobenzene

Concen: 21.009 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX007646.D

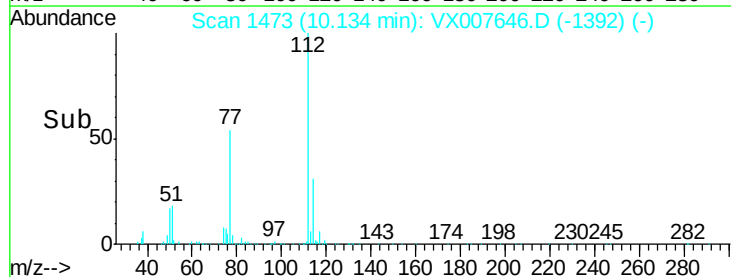
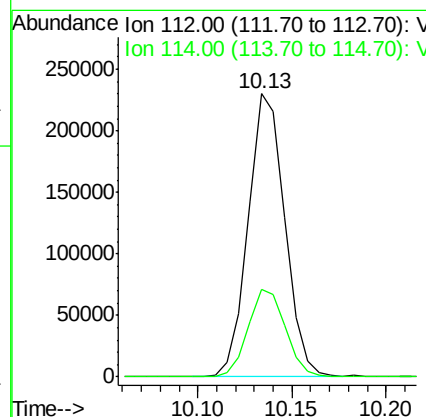
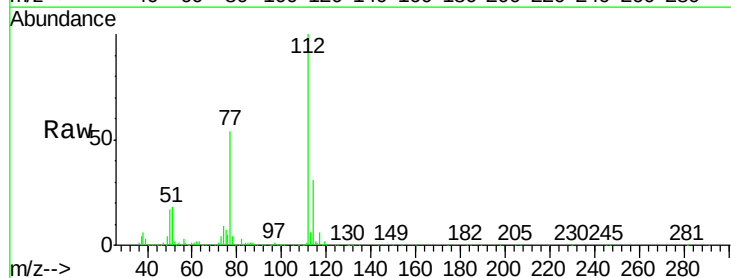
Acq: 22 Feb 2019 08:31

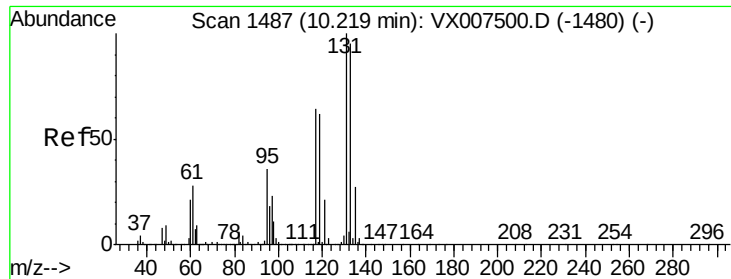
Tgt Ion: 112 Resp: 310427

Ion Ratio Lower Upper

112 100

114 30.7 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.723 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

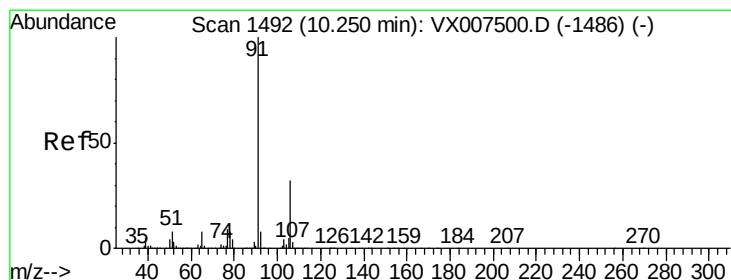
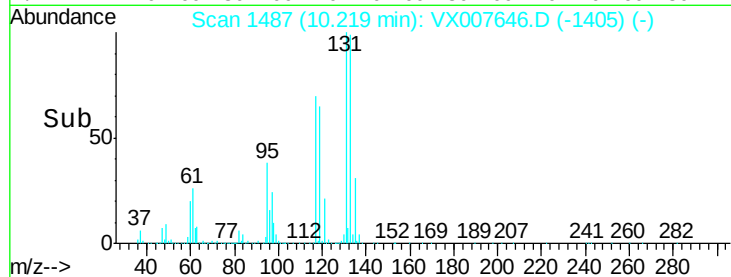
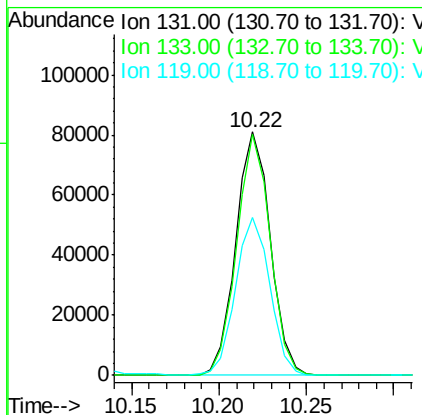
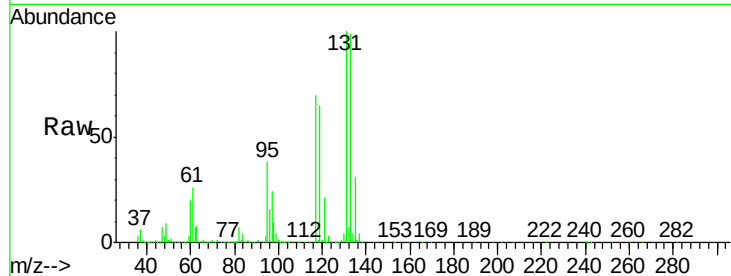
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	110909
Ion Ratio	Lower	Upper	
131	100		
133	95.9	0.0	191.6
119	65.1	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.108 ug/l

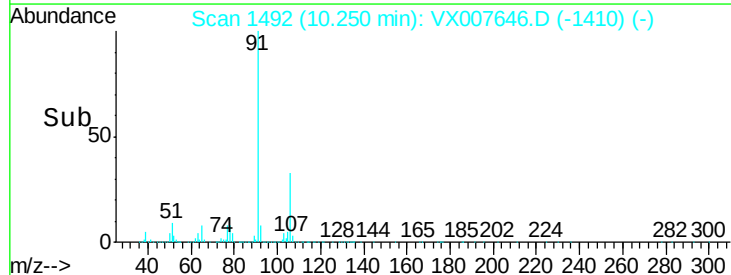
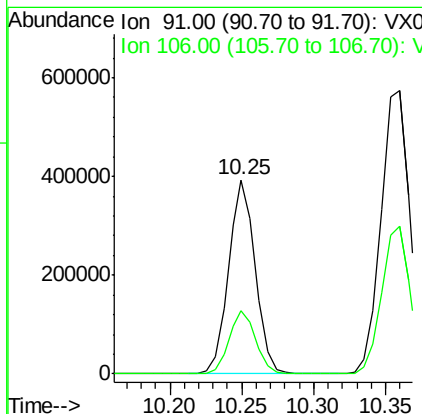
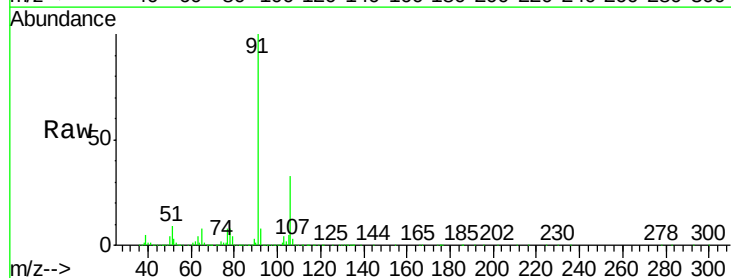
RT: 10.25 min Scan# 1492

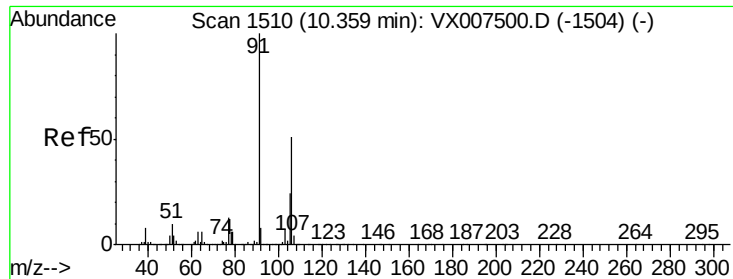
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	91	Resp:	509310
Ion Ratio	Lower	Upper	
91	100		
106	32.6	26.0	39.0





#67

m/p-Xylenes

Concen: 42.664 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:106 Resp: 403759

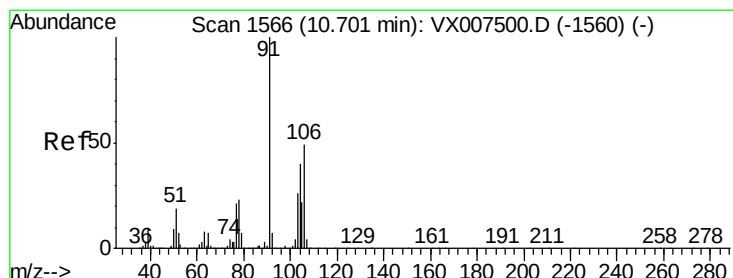
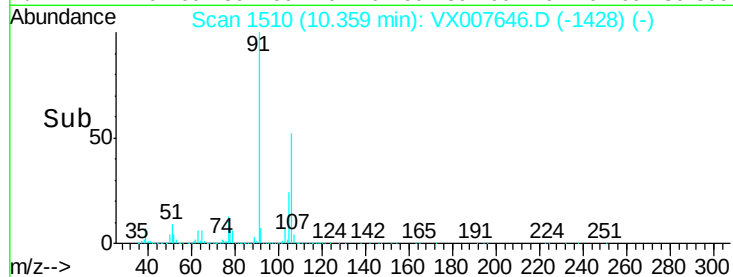
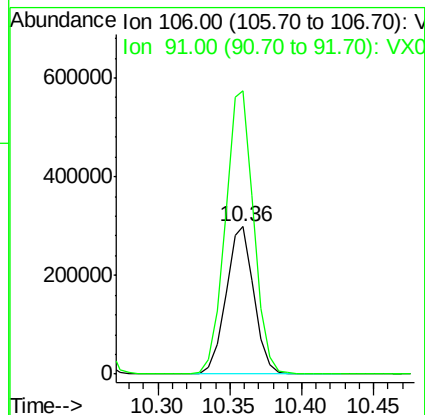
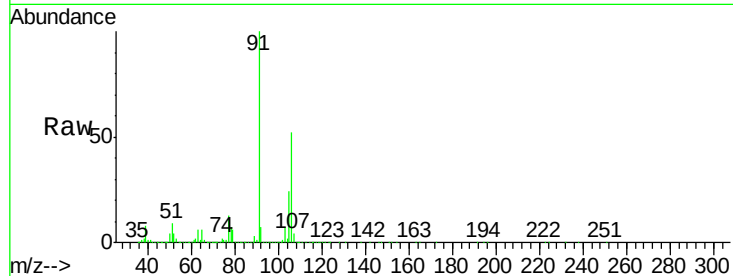
Ion Ratio Lower Upper

106 100

91 196.5 157.0 235.4

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#68

o-Xylene

Concen: 21.076 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX007646.D

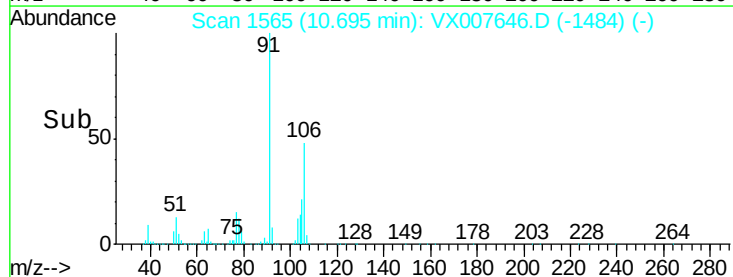
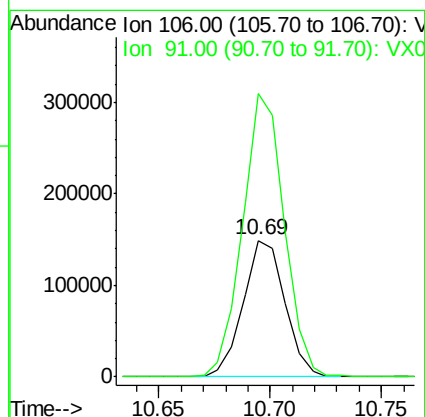
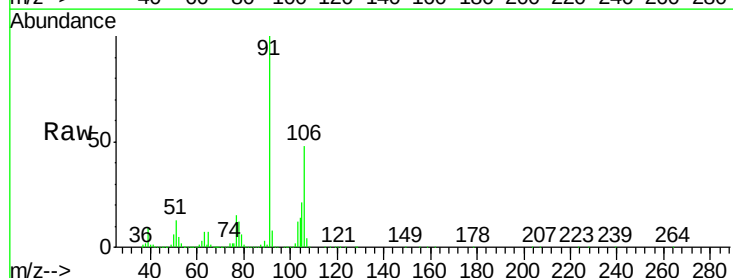
Acq: 22 Feb 2019 08:31

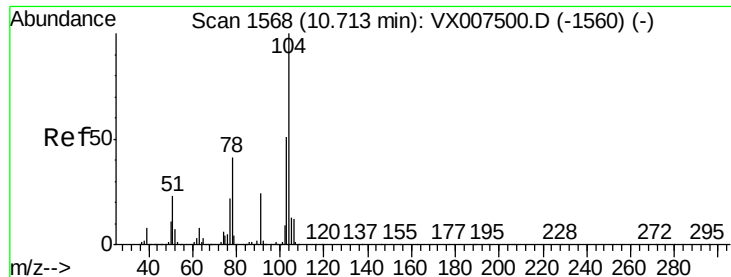
Tgt Ion:106 Resp: 194532

Ion Ratio Lower Upper

106 100

91 207.0 104.4 313.2





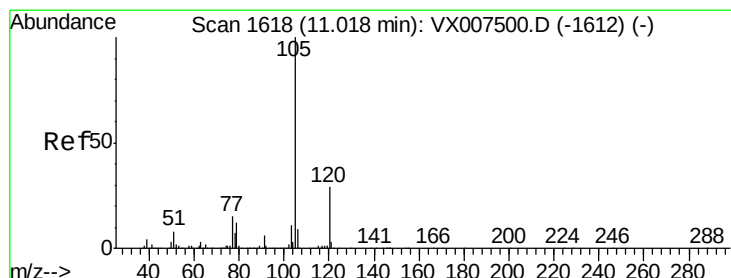
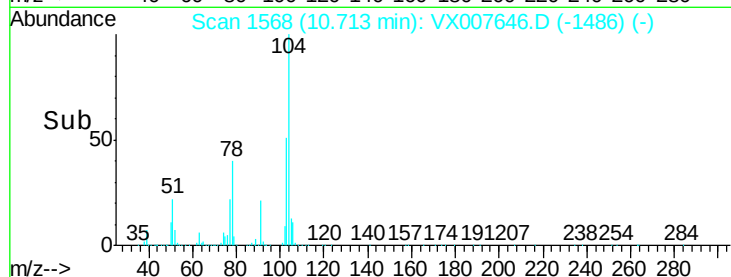
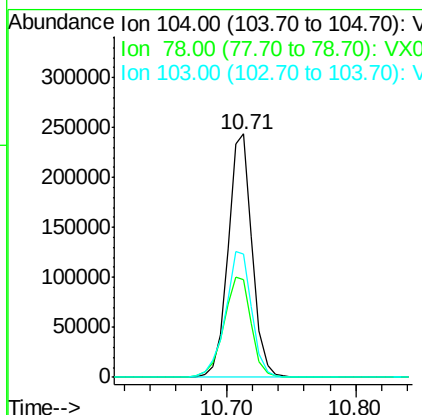
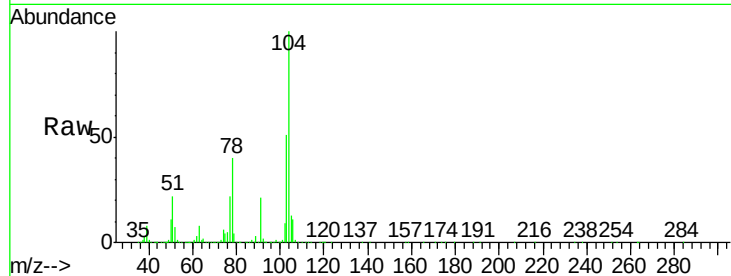
#69
Stvrene
Concen: 21.383 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.6	38.2	57.2
103	56.5	45.0	67.4

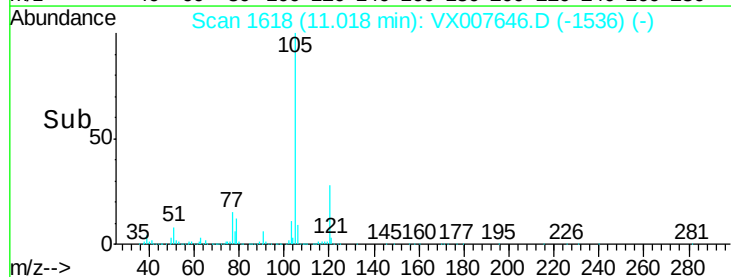
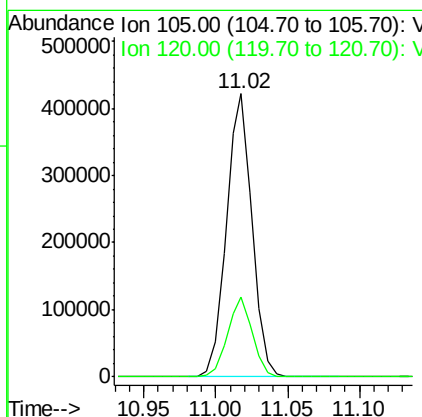
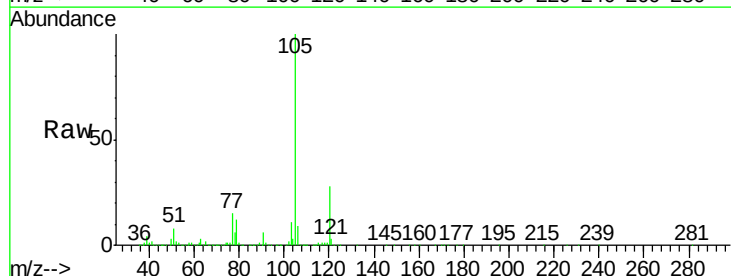
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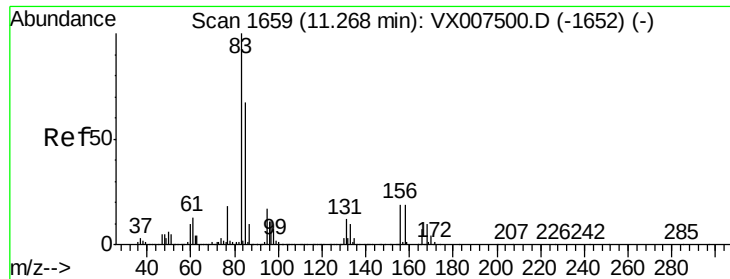
MMDadoda
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#70
Isopropylbenzene
Concen: 21.625 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 20.410 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

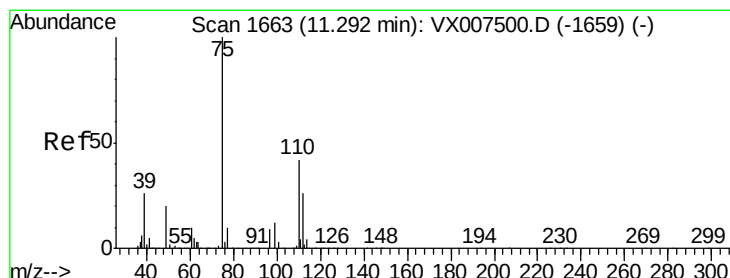
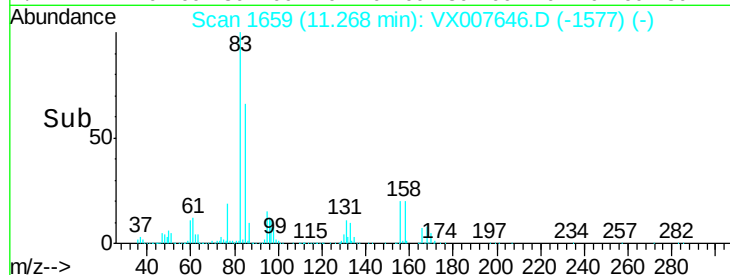
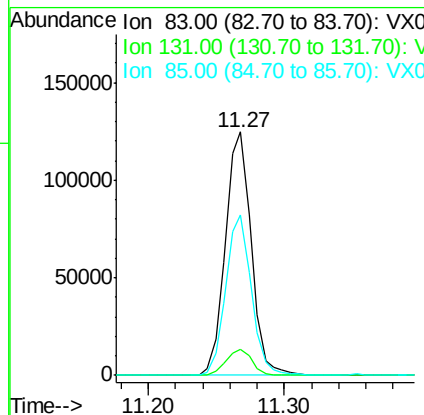
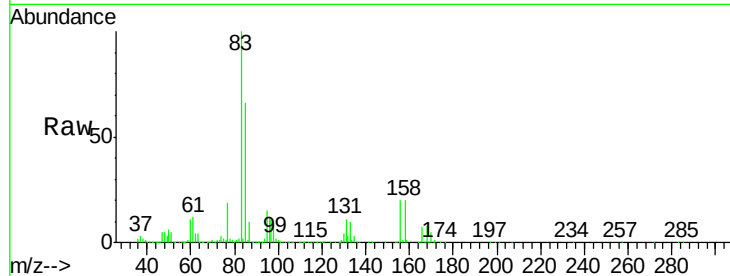
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	164291
Ion Ratio		Lower	Upper
83	100		
131	10.9	5.4	16.2
85	65.6	32.8	98.4

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#72

1,2,3-Trichloropropane

Concen: 22.031 ug/l m

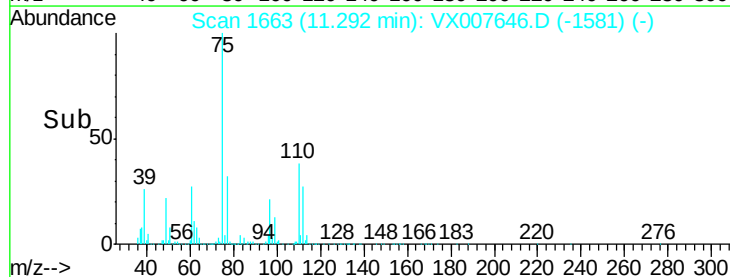
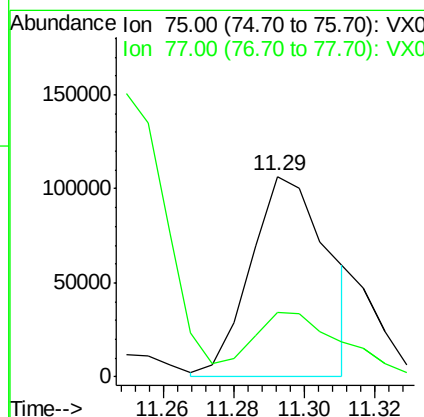
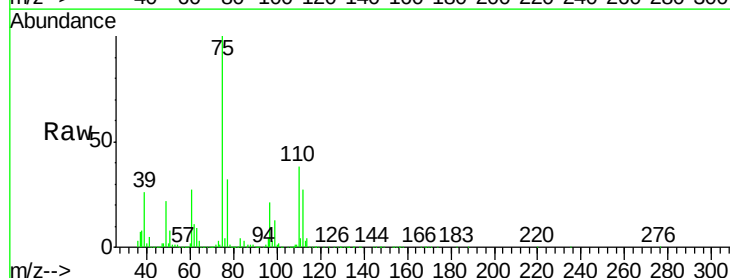
RT: 11.29 min Scan# 1663

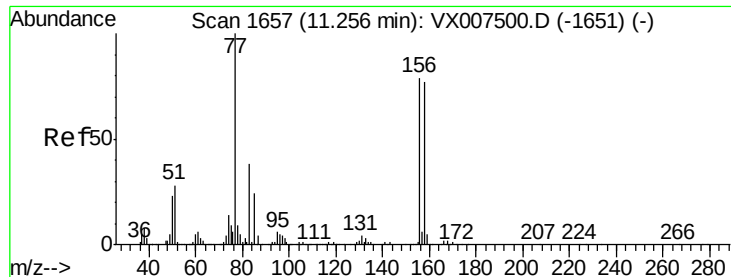
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	75	Resp:	162146
Ion Ratio		Lower	Upper
75	100		
77	38.0	0.0	76.4





#73

Bromobenzene

Concen: 21.396 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

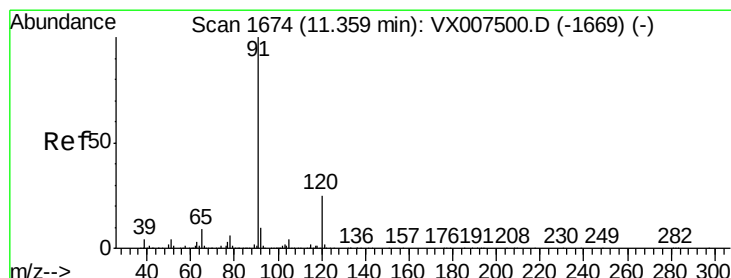
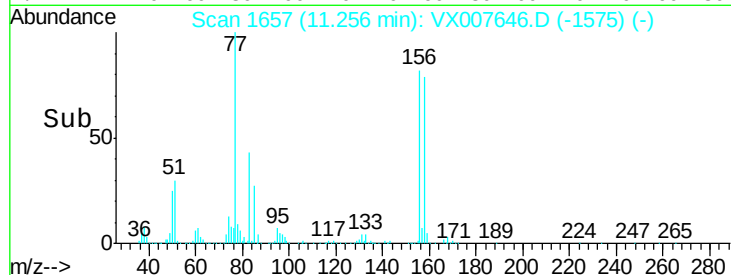
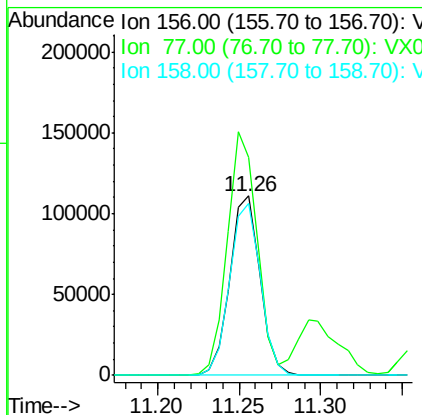
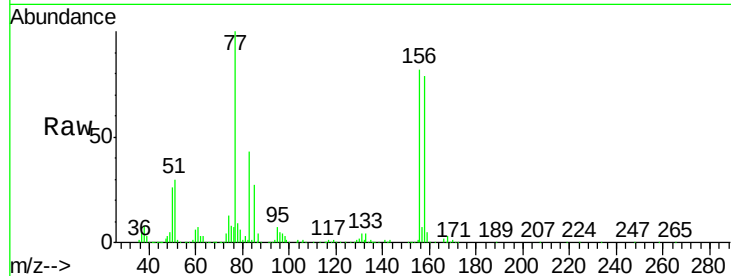
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.7	0.0	271.4
158	97.5	0.0	194.0

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#74

n-propylbenzene

Concen: 22.210 ug/l

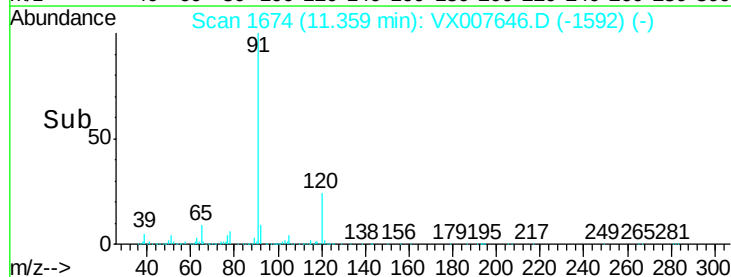
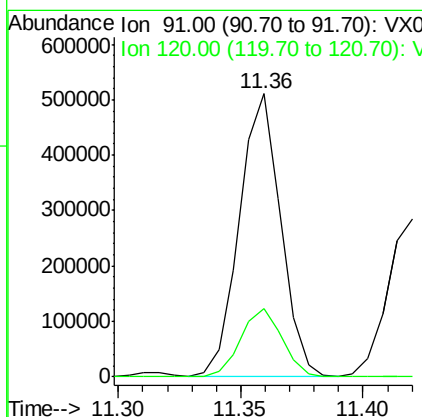
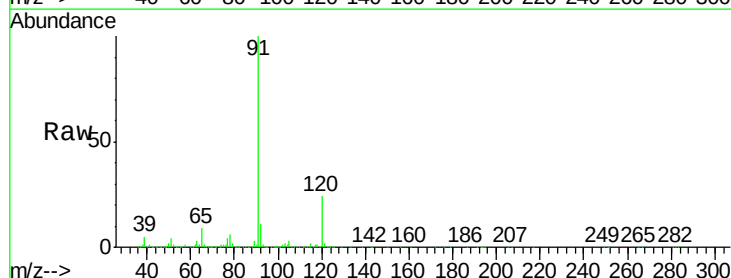
RT: 11.36 min Scan# 1674

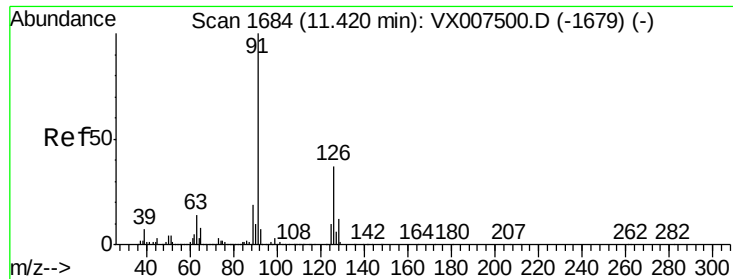
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	0.0	48.6





#75

2-Chlorotoluene

Concen: 21.632 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 349714

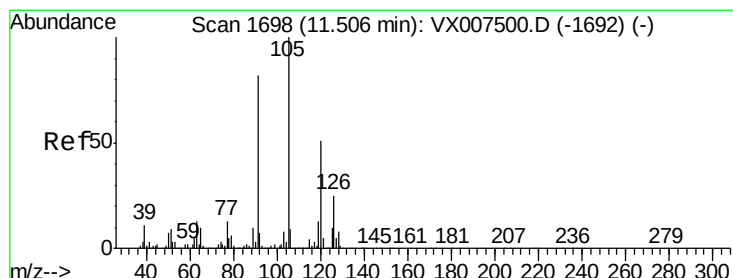
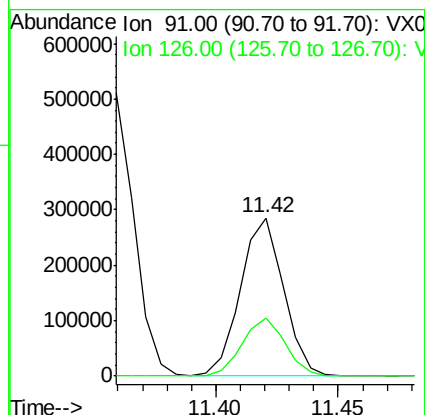
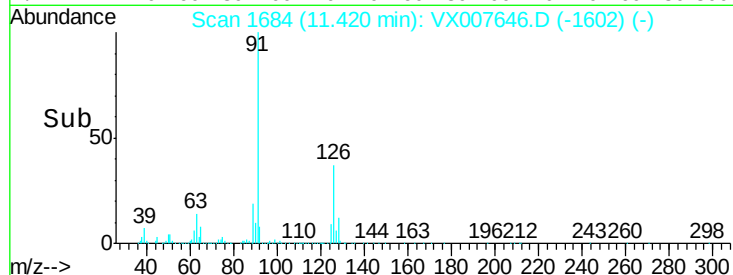
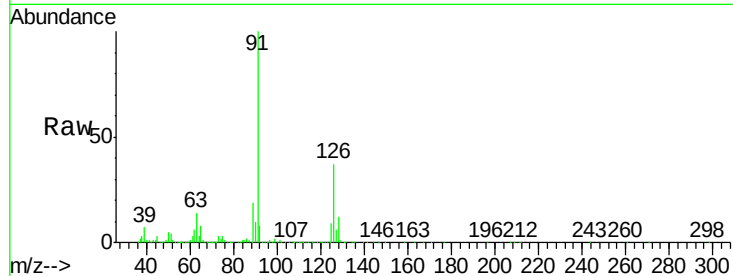
Ion Ratio Lower Upper

91 100

126 37.3 0.0 75.2

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#76

1,3,5-Trimethylbenzene

Concen: 22.042 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007646.D

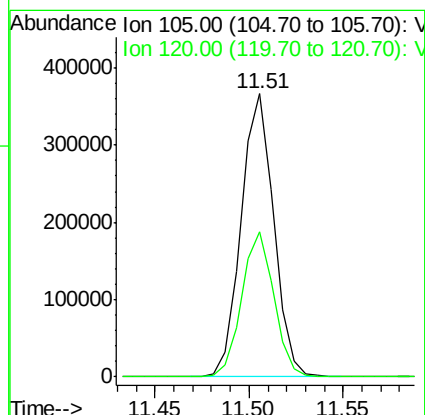
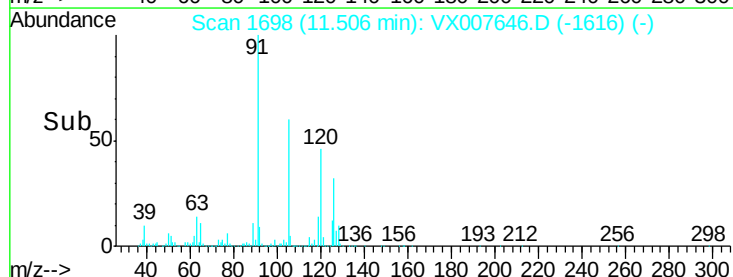
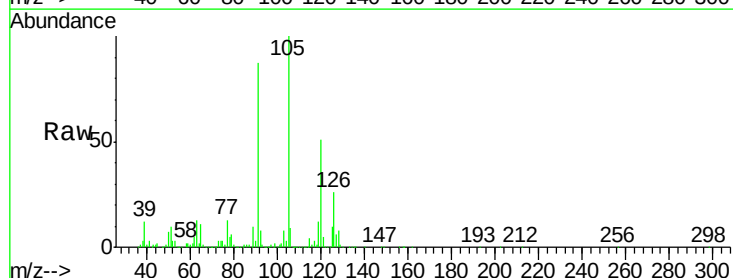
Acq: 22 Feb 2019 08:31

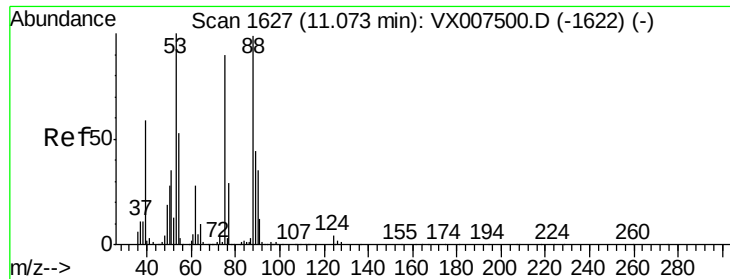
Tgt Ion: 105 Resp: 438130

Ion Ratio Lower Upper

105 100

120 50.3 0.0 101.0





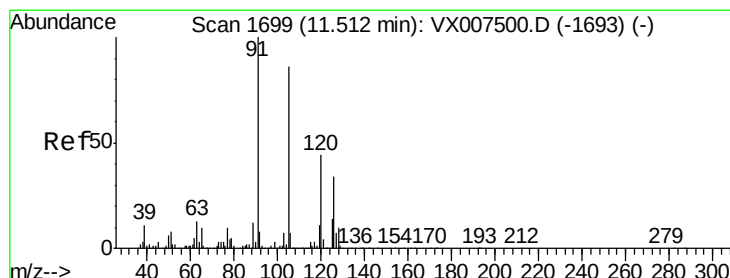
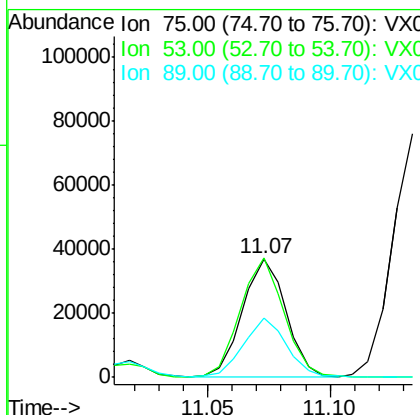
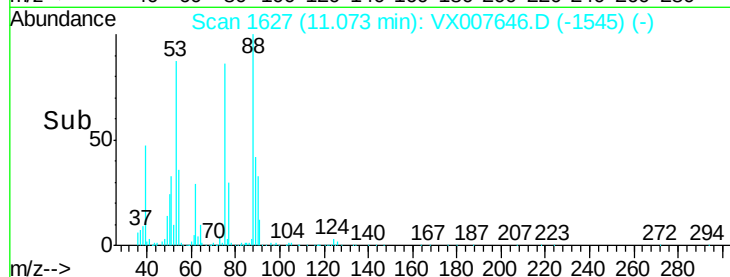
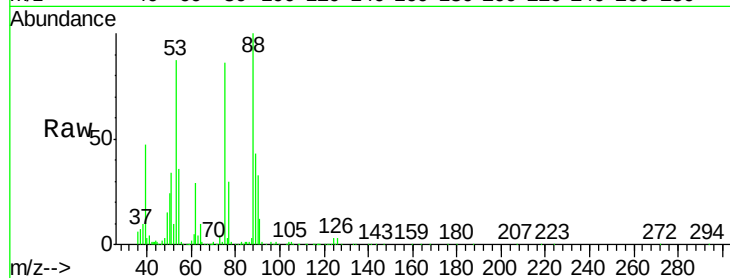
#77
t-1,4-Dichloro-2-butene
Concen: 21.509 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.4	55.5	166.7
89	49.6	24.4	73.2

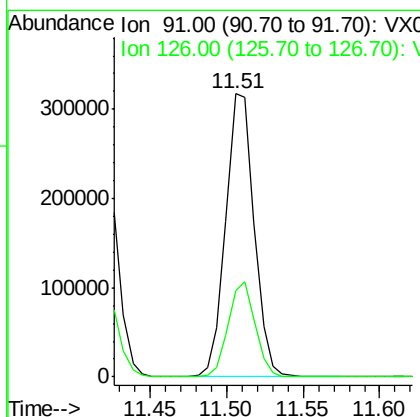
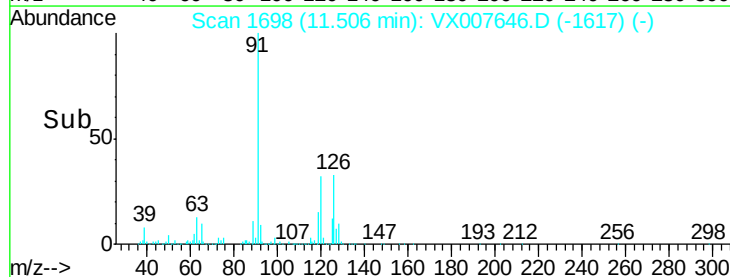
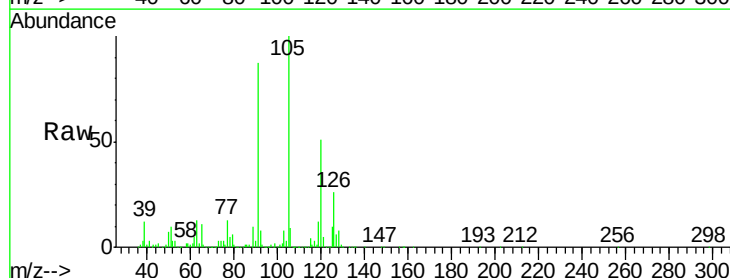
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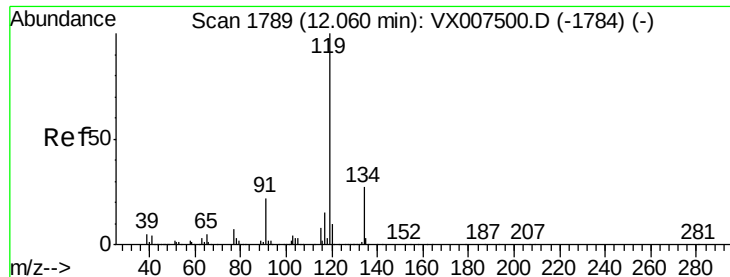
MMDadoda
2/25/2019 9:47:12 AM



#78
4-Chlorotoluene
Concen: 22.117 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	0.0	66.2





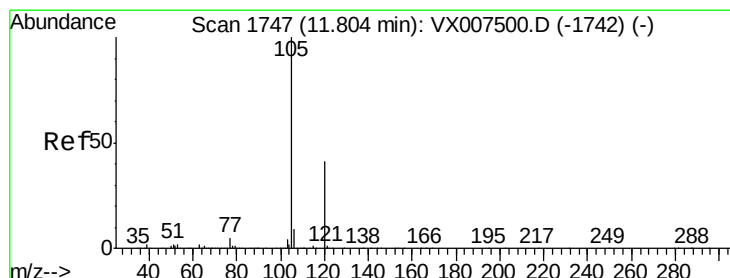
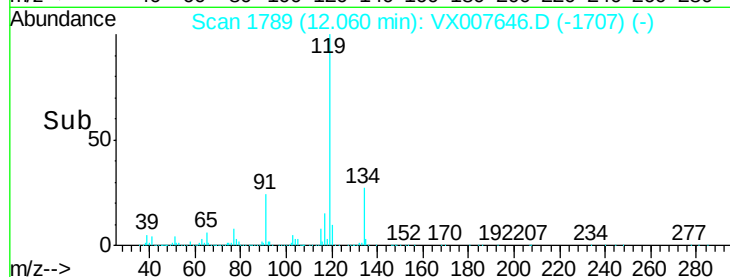
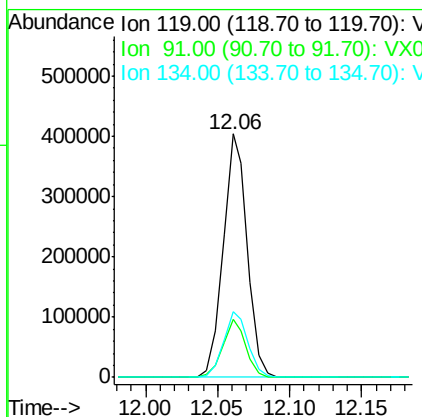
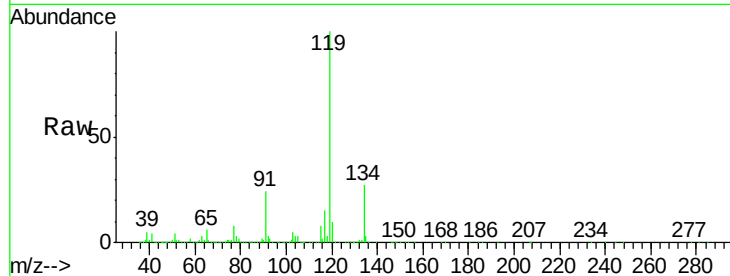
#79
tert-butylbenzene
Concen: 22.382 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	472419		
91	22.9	0.0	45.0	
134	27.3	0.0	55.4	

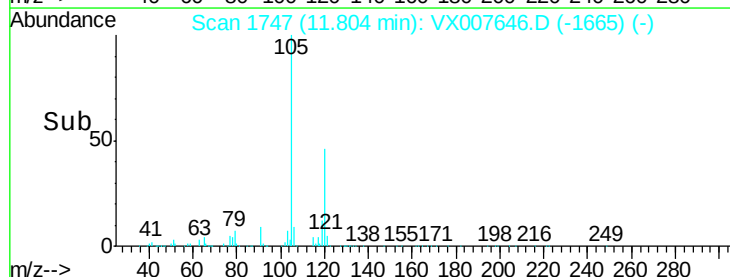
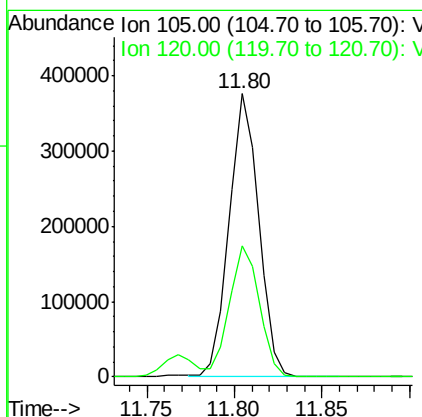
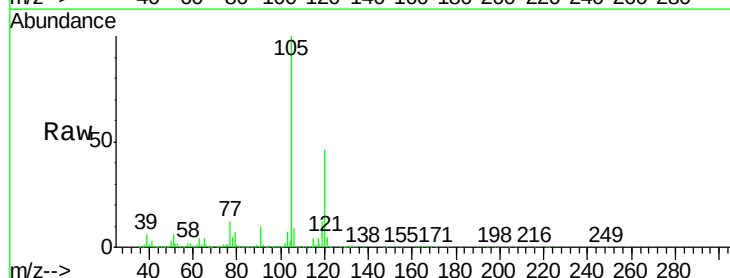
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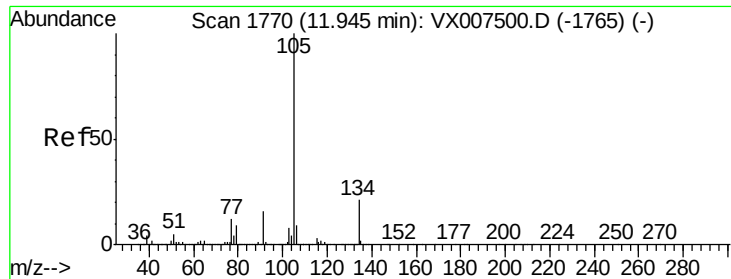
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#80
1,2,4-Trimethylbenzene
Concen: 21.940 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	442709		
120	47.4	0.0	94.0	





#81

sec-Butylbenzene

Concen: 22.089 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 524326

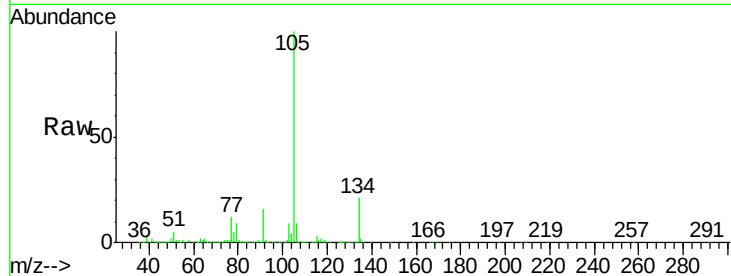
Ion Ratio Lower Upper

105 100

134 21.4 0.0 41.8

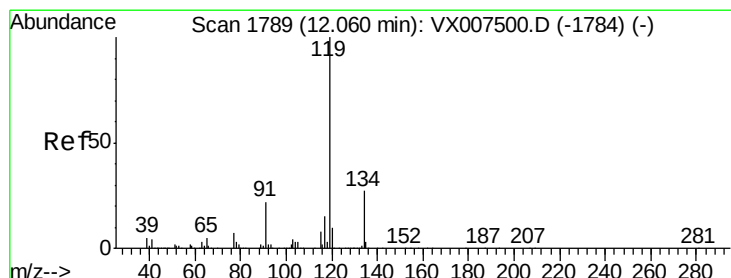
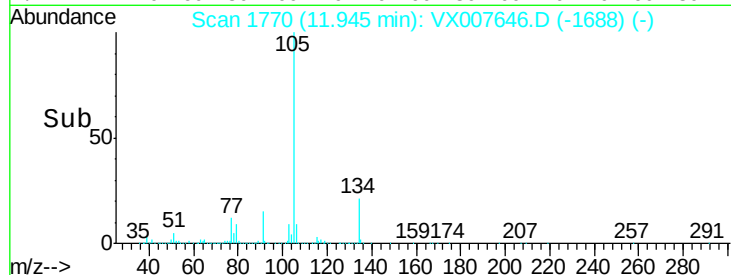
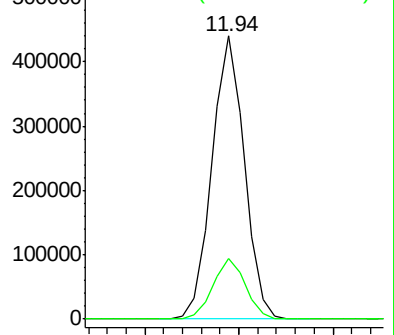
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 22.382 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

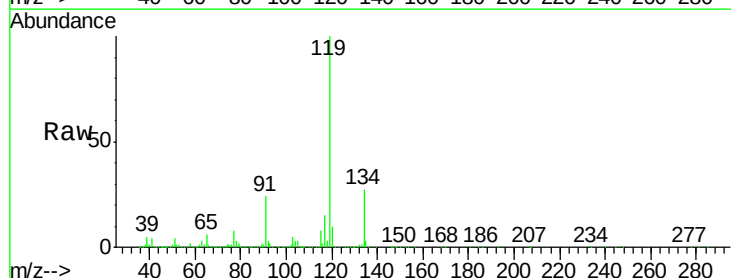
Tgt Ion:119 Resp: 472419

Ion Ratio Lower Upper

119 100

134 27.3 0.0 55.4

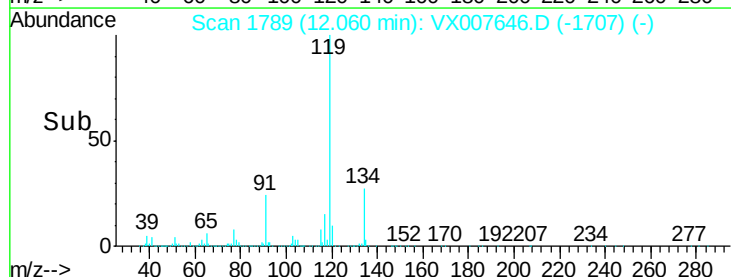
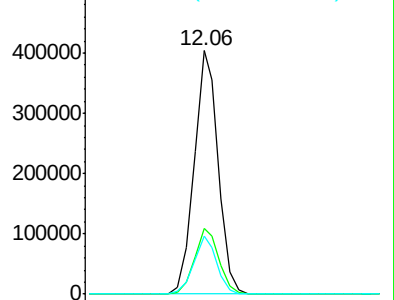
91 22.9 0.0 45.0

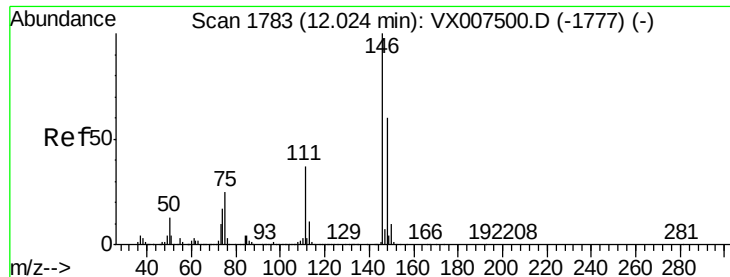


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





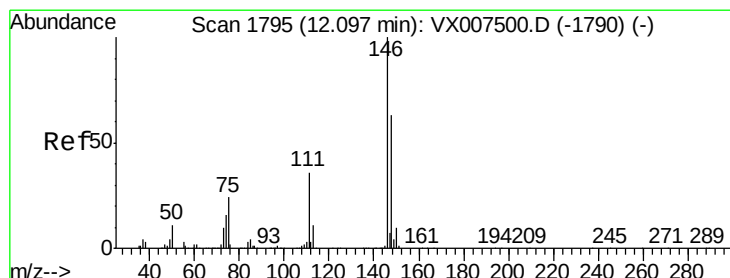
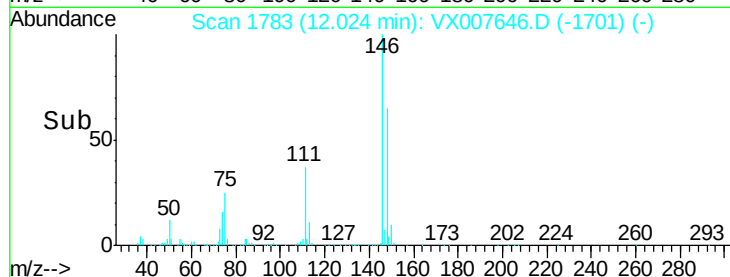
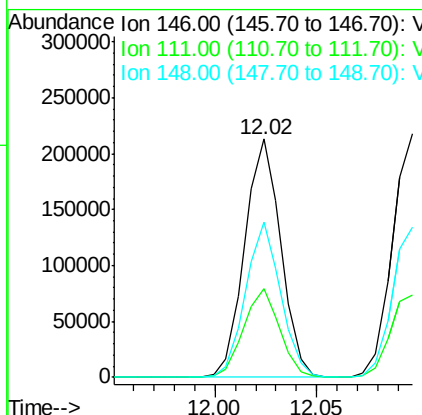
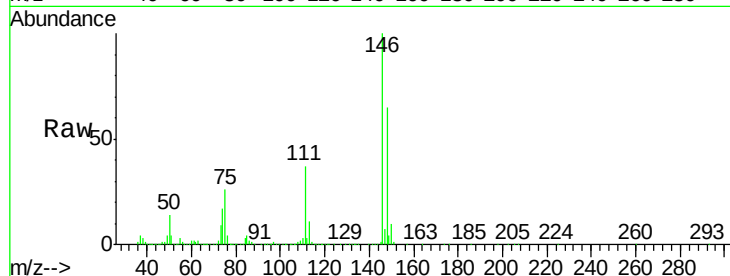
#83
 1,3-Dichlorobenzene
 Concen: 22.456 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.3
148	63.0	30.6	91.8

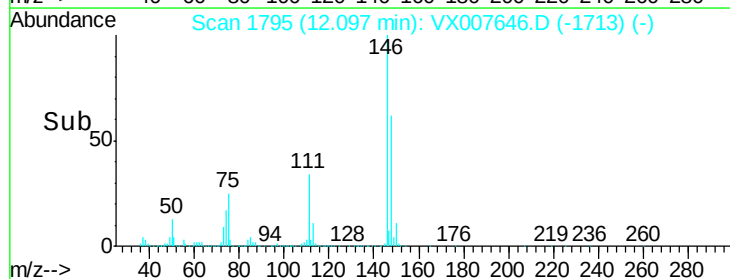
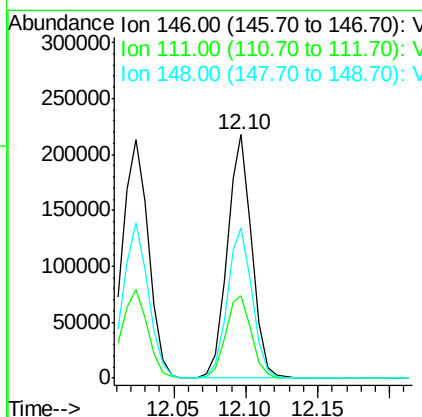
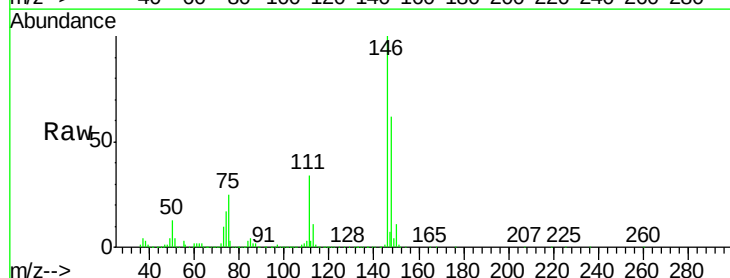
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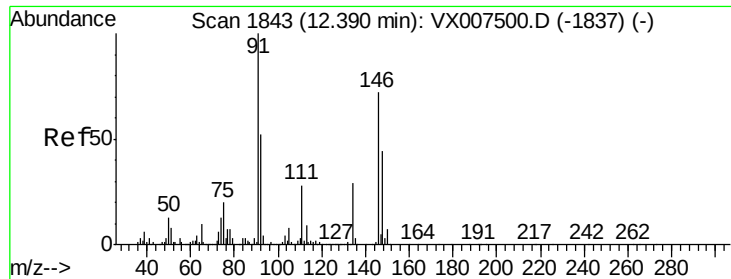
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#84
 1,4-Dichlorobenzene
 Concen: 22.309 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	17.6	52.8
148	62.9	31.4	94.2





#85

n-Butylbenzene

Concen: 22.912 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Instrument :

MSVOA_X

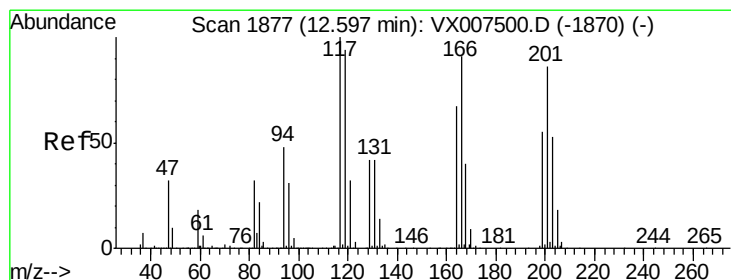
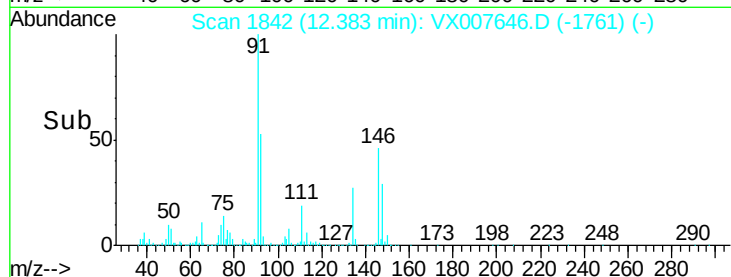
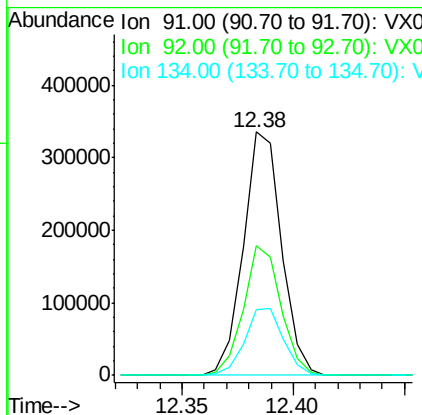
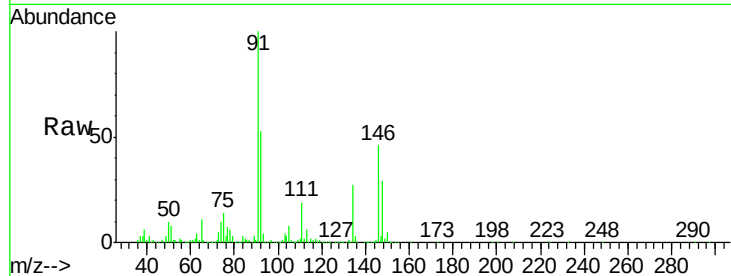
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	401294
Ion Ratio	Lower	Upper	
91	100		
92	52.0	0.0	105.2
134	28.0	0.0	56.4

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#86

Hexachloroethane

Concen: 21.577 ug/l

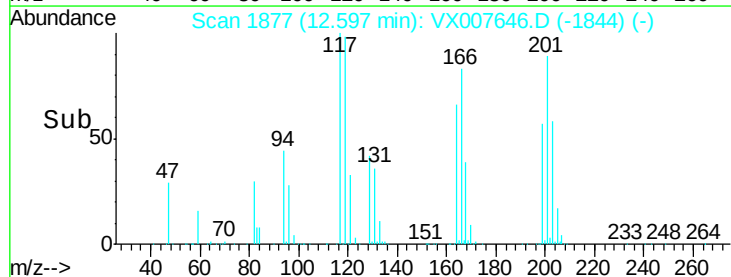
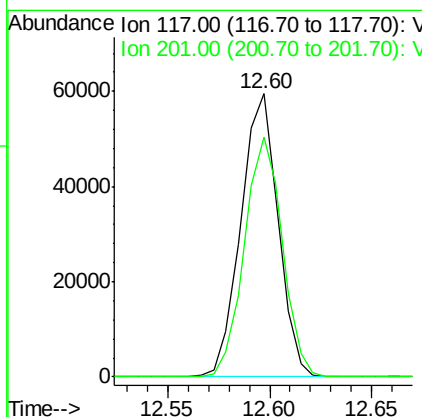
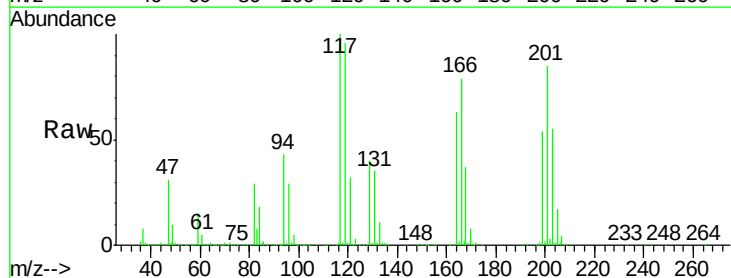
RT: 12.60 min Scan# 1877

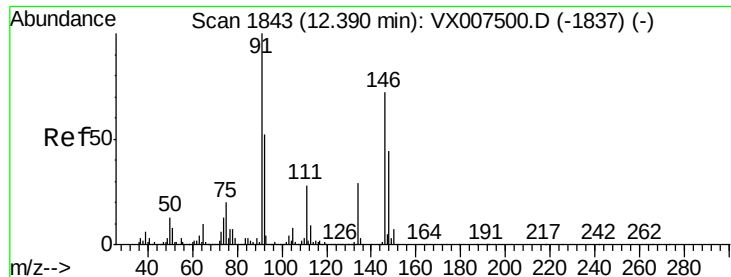
Delta R.T. -0.00 min

Lab File: VX007646.D

Acq: 22 Feb 2019 08:31

Tgt Ion:	117	Resp:	75613
Ion Ratio	Lower	Upper	
117	100		
201	86.1	41.1	123.3





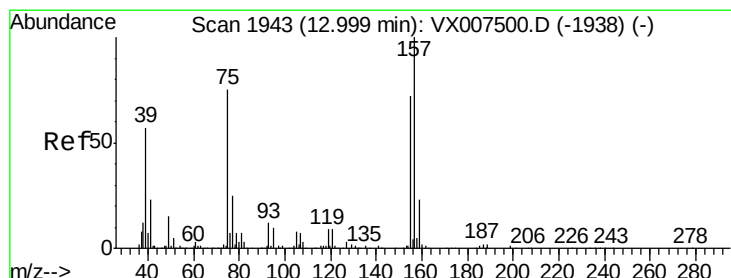
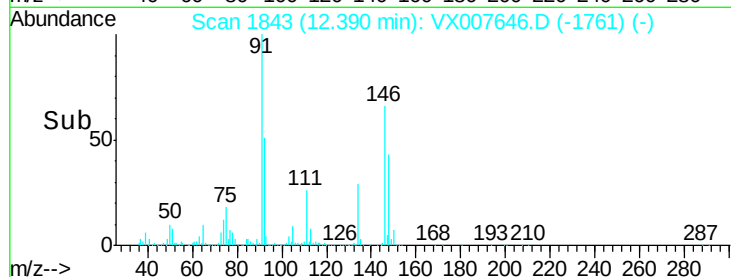
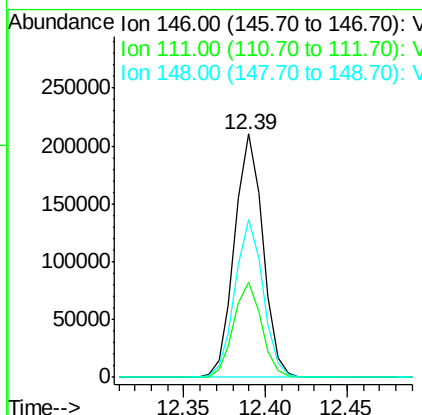
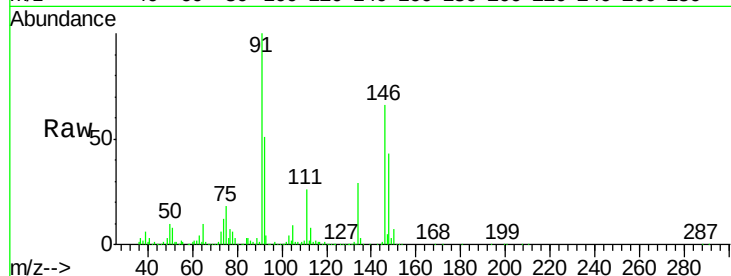
#87
 1,2-Dichlorobenzene
 Concen: 21.802 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.3	57.8
148	63.8	32.1	96.3

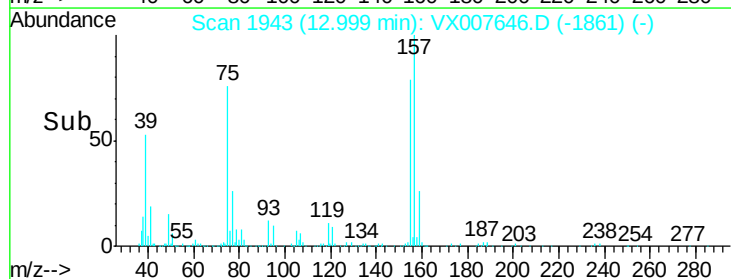
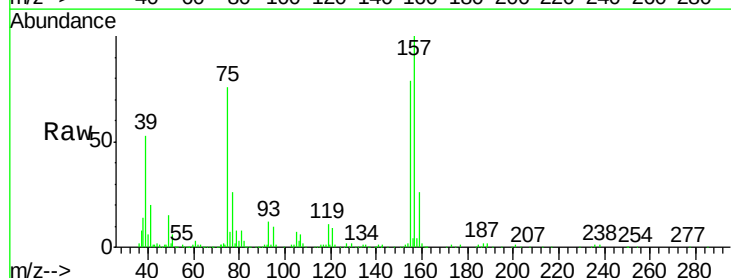
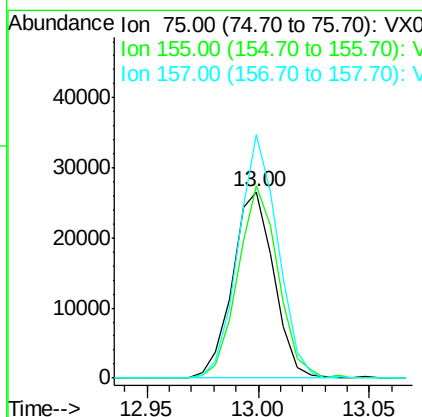
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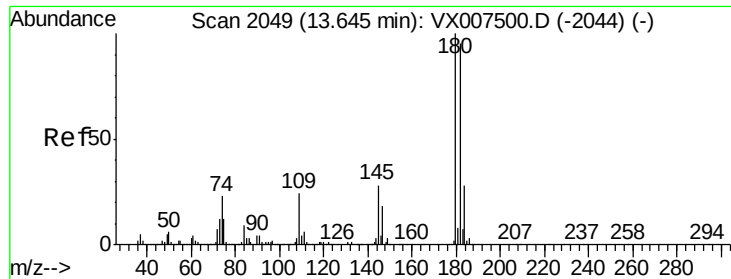
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.416 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	81.0	121.6
157	125.6	103.2	154.8





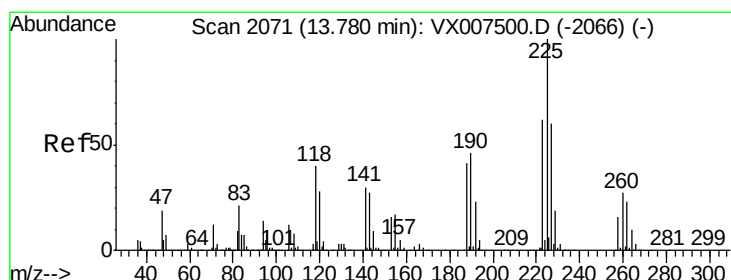
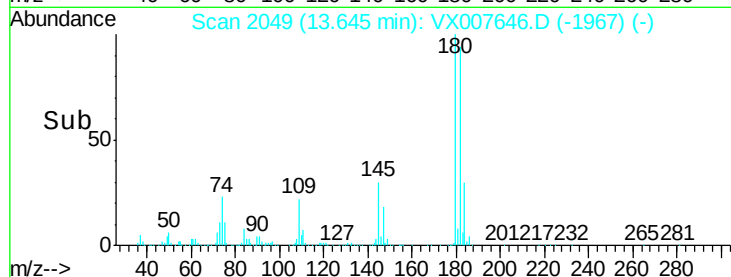
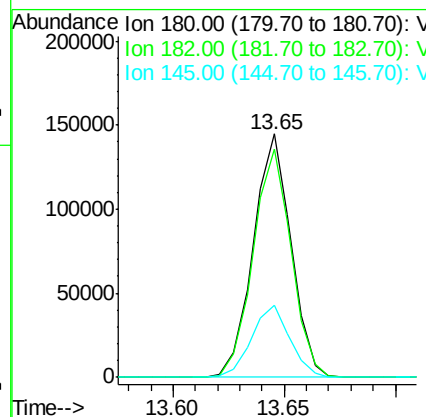
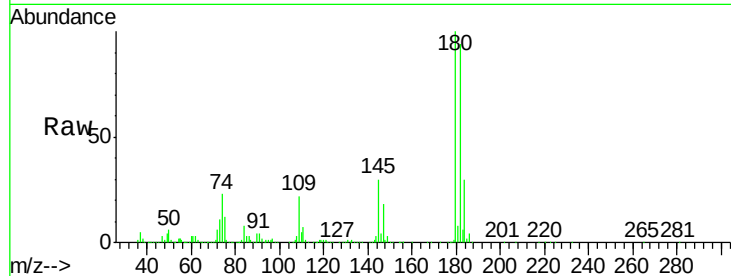
#89
 1,2,4-Trichlorobenzene
 Concen: 22.224 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	171227		
182	94.4	75.6	113.4	
145	30.1	23.0	34.6	

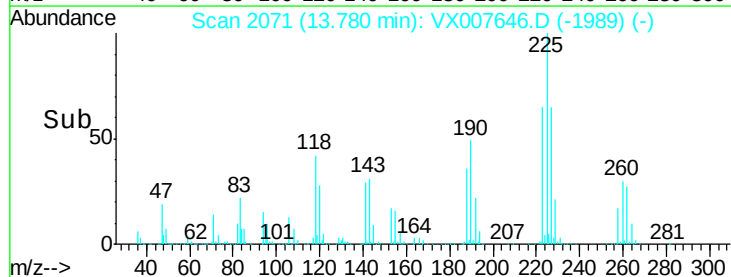
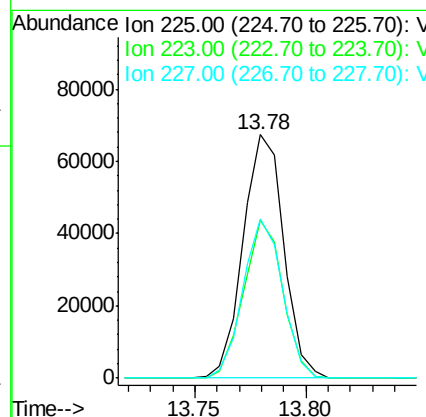
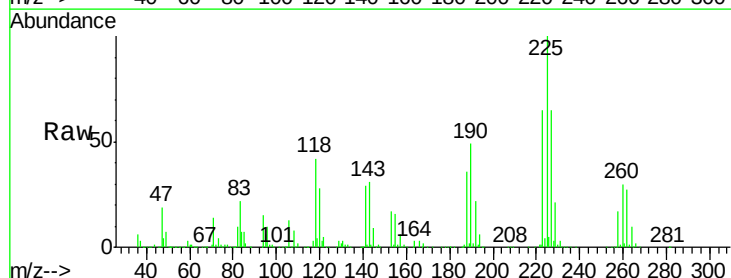
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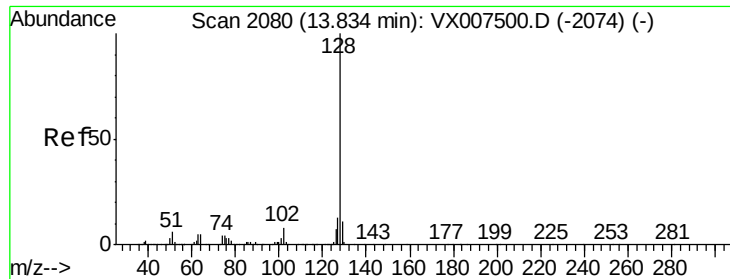
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#90
 Hexachlorobutadiene
 Concen: 23.853 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007646.D
 Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85862		
223	62.8	0.0	123.8	
227	63.5	0.0	124.4	





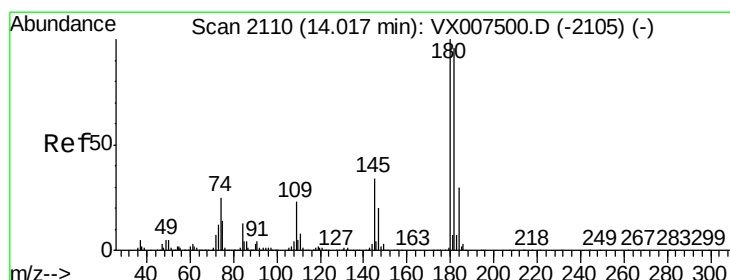
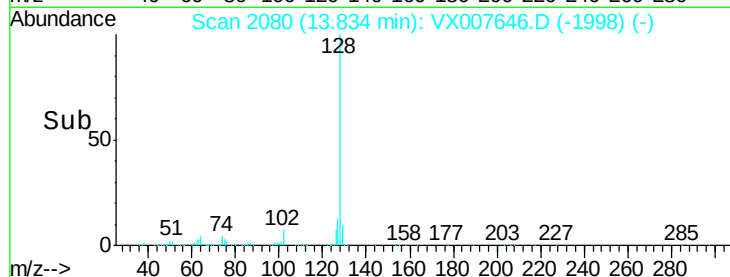
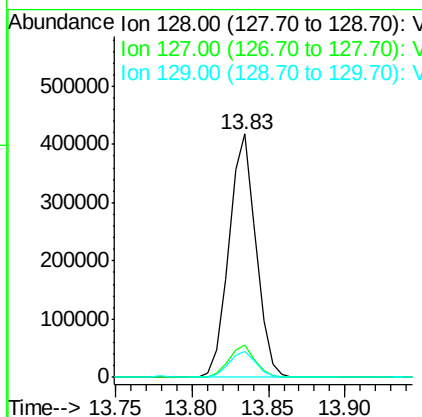
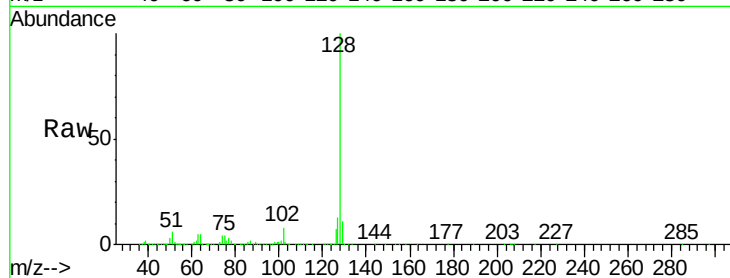
#91
Naphthalene
Concen: 20.724 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.8	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 21.324 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007646.D
Acq: 22 Feb 2019 08:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	0.0	193.0
145	30.9	0.0	63.0

