

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021319\
 Data File : VX007501.D
 Acq On : 12 Feb 2019 23:29
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 11:52:45 AM

Quant Time: Feb 13 07:55:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:08:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	77982	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	416106	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	376111	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	146603	28.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.63%
60) 4-Bromofluorobenzene	11.13	95	173127	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	8.71	98	504013	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	195727	53.575	ug/l 100
3) Chloromethane	1.33	50	213753	52.890	ug/l 98
4) Vinyl Chloride	1.41	62	239392	52.603	ug/l 98
5) Bromomethane	1.64	94	219006	48.540	ug/l 98
6) Chloroethane	1.72	64	153366	50.065	ug/l 94
7) Trichlorofluoromethane	1.93	101	367804	48.437	ug/l 99
8) Diethyl Ether	2.19	74	146506	50.654	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	209361	47.076	ug/l 100
10) 1,1-Dichloroethene	2.37	96	207051	50.428	ug/l 97
11) Methyl Iodide	2.51	142	315985	48.912	ug/l 100
12) Methyl Acetate	2.78	43	268498	40.326	ug/l 99
13) Acrolein	2.30	56	247154	412.091	ug/l 98
14) Acrylonitrile	3.15	53	671422	258.142	ug/l 99
15) Acetone	2.45	58	181147	248.115	ug/l 91
16) Carbon Disulfide	2.57	76	566623	55.807	ug/l 100
17) Allyl chloride	2.73	41	353365	49.960	ug/l 98
18) Methylene Chloride	2.86	84	233912	49.929	ug/l 97
19) trans-1,2-Dichloroethene	3.17	96	222916	50.369	ug/l 97
20) Diisopropyl ether	3.87	45	677412	51.198	ug/l 96
21) 1,1-Dichloroethane	3.70	63	378818	50.405	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	250707	51.268	ug/l 99
23) tert-Butyl Alcohol	3.07	59	277630	255.147	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	715121	49.978	ug/l 99
25) Chloroform	5.21	83	402991	51.641	ug/l 93
26) Cyclohexane	5.57	56	325223	51.009	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	290756	52.764	ug/l 98
30) 2-Butanone	4.70	43	868714	265.543	ug/l 99
31) 2,2-Dichloropropane	4.59	77	235108	43.827	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	345322	52.753	ug/l 100
33) Carbon Tetrachloride	5.79	117	302158	52.451	ug/l 97
34) Benzene	6.15	78	898993	52.703	ug/l 97
35) Methacrylonitrile	5.06	41	177011	52.752	ug/l 98
36) 1,2-Dichloroethane	6.20	62	304135	51.812	ug/l 99
37) Trichloroethene	7.21	130	258301	51.576	ug/l 99
38) Methylcyclohexane	7.46	83	336178	48.636	ug/l 99
39) 1,2-Dichloropropane	7.51	63	224637	52.483	ug/l 98
40) Dibromomethane	7.66	93	161396	52.029	ug/l 96

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MMDadoda
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 QLast Update : Wed Feb 13 07:08:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	293366	54.028	ug/l	99
42) Vinyl Acetate	3.82	43	3028930	268.266	ug/l	100
43) Ethyl Acetate	4.86	43	330558m	53.458	ug/l	
44) Isopropyl Acetate	6.46	43	510738	53.127	ug/l	99
45) 1,4-Dioxane	7.75	88	120928	1046.298	ug/l	99
46) Methyl methacrylate	7.77	41	261600	53.532	ug/l	98
47) n-amyl Acetate	10.90	43	460357	54.664	ug/l	96
48) t-1,3-Dichloropropene	9.04	75	309871	52.977	ug/l	96
49) cis-1,3-Dichloropropene	8.44	75	340922	52.382	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	241295	52.297	ug/l	95
51) Ethyl methacrylate	9.18	69	353362	53.425	ug/l	96
52) 1,3-Dichloropropane	9.37	76	383617	51.831	ug/l	100
53) Dibromochloromethane	9.59	129	257977	55.204	ug/l	98
54) 1,2-Dibromoethane	9.67	107	262171	52.893	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	881083	247.879	ug/l	99
56) Bromoform	10.86	173	196626	55.326	ug/l	98
58) 4-Methyl-2-Pentanone	8.65	43	1703887	266.219	ug/l	100
59) 2-Hexanone	9.49	43	1296365	264.224	ug/l	100
61) Tetrachloroethene	9.34	164	261572	50.117	ug/l	99
62) Toluene	8.79	91	1002320	51.964	ug/l	100
64) Chlorobenzene	10.14	112	661111	52.014	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.22	131	237370	52.419	ug/l	97
66) Ethyl Benzene	10.25	91	1100183	52.975	ug/l	100
67) m/p-Xylenes	10.36	106	861460	105.331	ug/l	99
68) o-Xylene	10.69	106	416406	51.957	ug/l	99
69) Styrene	10.71	104	686178	53.050	ug/l	99
70) Isopropylbenzene	11.02	105	1117821	52.785	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	354687	51.732	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	331364m	51.835	ug/l	
73) Bromobenzene	11.26	156	300346	51.258	ug/l	100
74) n-propylbenzene	11.36	91	1244893	52.398	ug/l	100
75) 2-Chlorotoluene	11.42	91	733044	51.952	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	906218	51.491	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	98435	52.605	ug/l	88
78) 4-Chlorotoluene	11.51	91	831525	50.913	ug/l	99
79) tert-butylbenzene	12.06	119	979612	51.543	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	923612	51.831	ug/l	99
81) sec-Butylbenzene	11.94	105	1092940	51.642	ug/l	100
82) p-Isopropyltoluene	12.06	119	979612	51.543	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	529357	50.977	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	519921	50.110	ug/l	98
85) n-Butylbenzene	12.39	91	804885	49.587	ug/l	100
86) Hexachloroethane	12.60	117	162017	54.000	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	521292	50.257	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	75932	54.194	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	351516	49.862	ug/l	100
90) Hexachlorobutadiene	13.78	225	163890	48.819	ug/l	98
91) Naphthalene	13.83	128	1130721	52.463	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	353986	50.582	ug/l	99

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MSVOA_X
ClientSampleId :
VSTDICC050

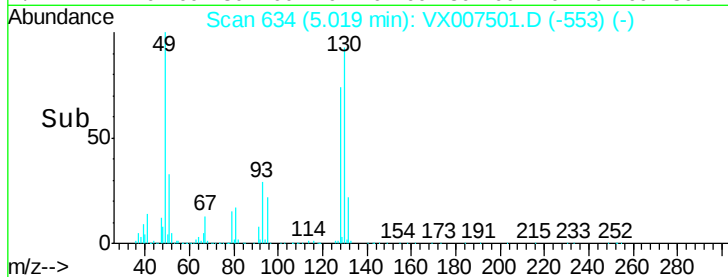
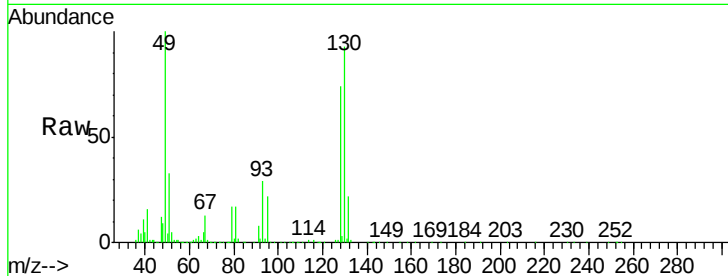
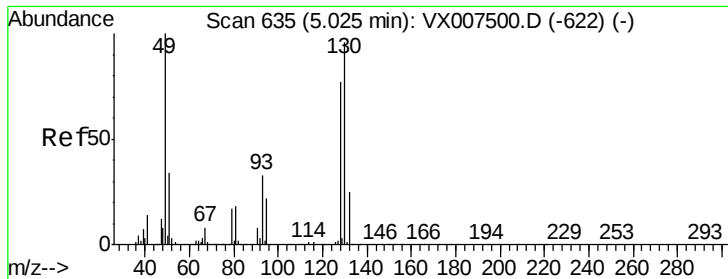
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX007501.D

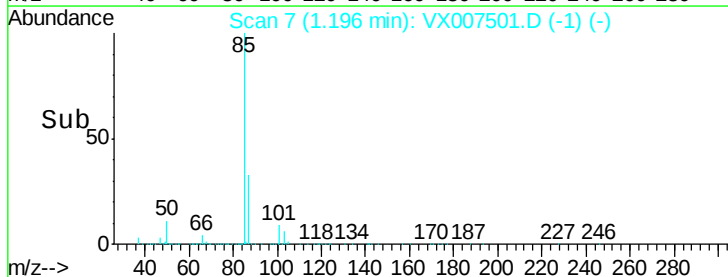
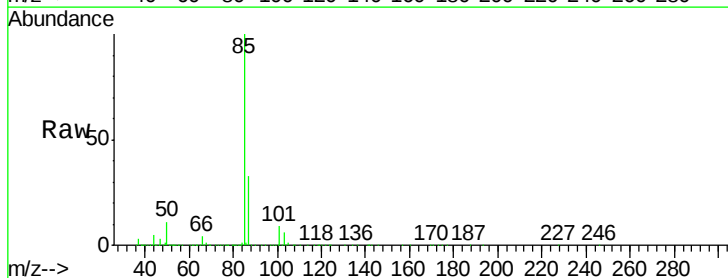
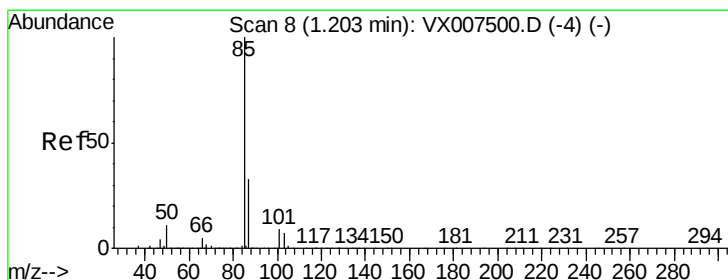
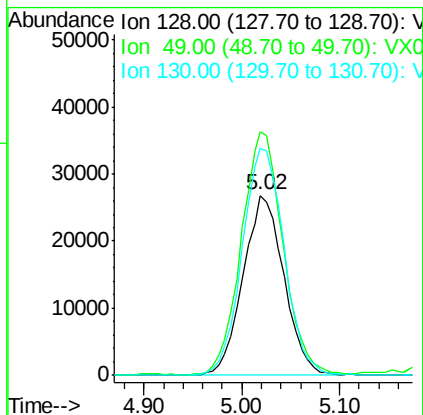
Acq: 12 Feb 2019 23:29

Tot Ion:	128	Resp:	77982
Ion	Ratio	Lower	Upper
128	100		
49	138.2	0.0	350.8
130	129.5	0.0	325.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 53.575 ug/l

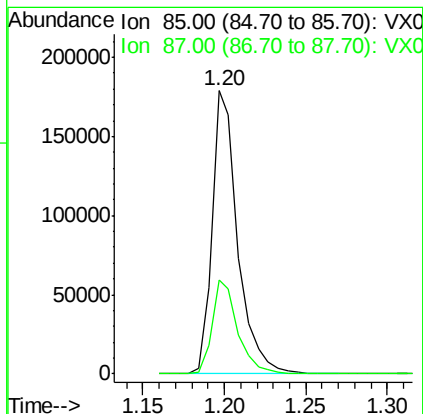
RT: 1.20 min Scan# 7

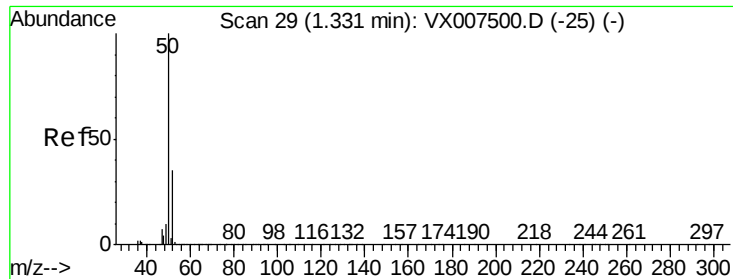
Delta R.T. -0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	85	Resp:	195727
Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.6	49.8





#3

Chloromethane

Concen: 52.890 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 213753

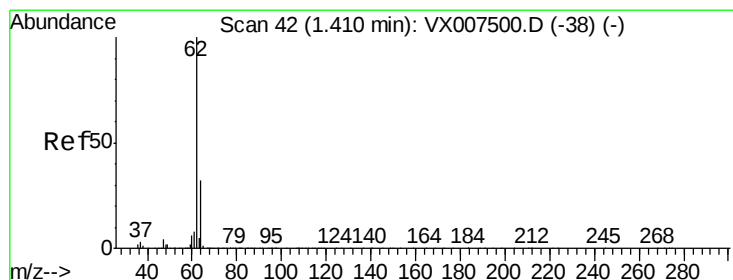
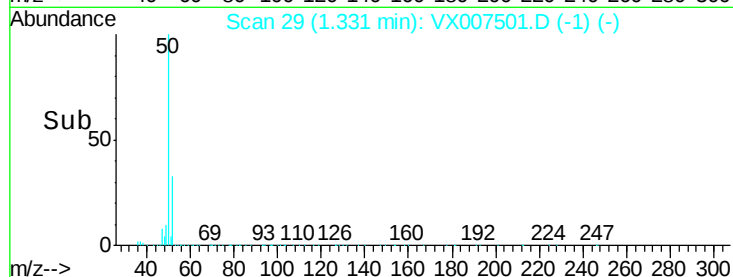
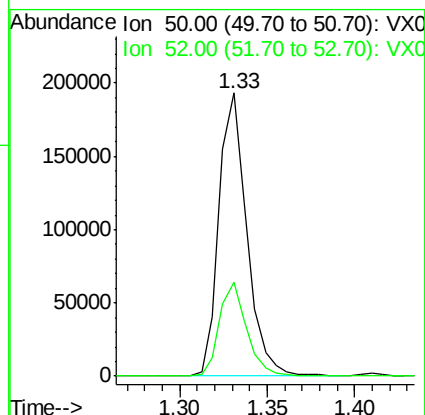
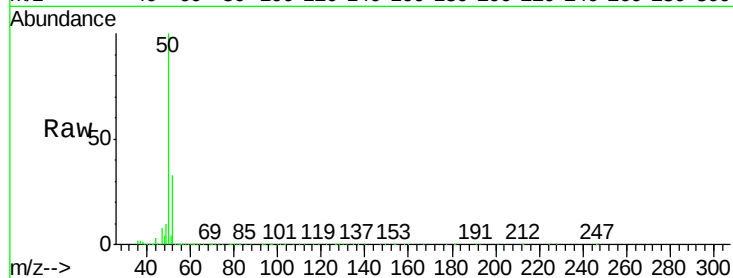
Ion Ratio Lower Upper

50 100

52 33.3 27.5 41.3

Manual Integrations
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2/13/2019 11:52:45 AM



#4

Vinyl Chloride

Concen: 52.603 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007501.D

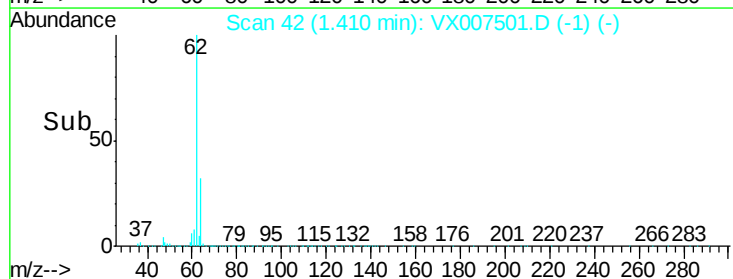
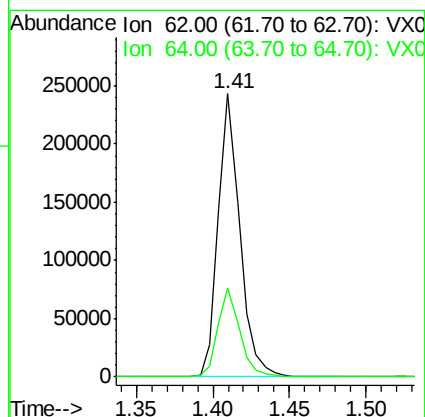
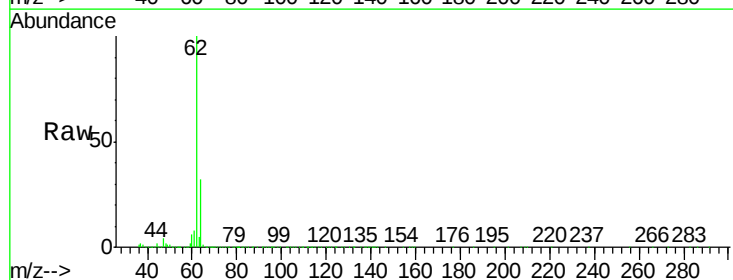
Acq: 12 Feb 2019 23:29

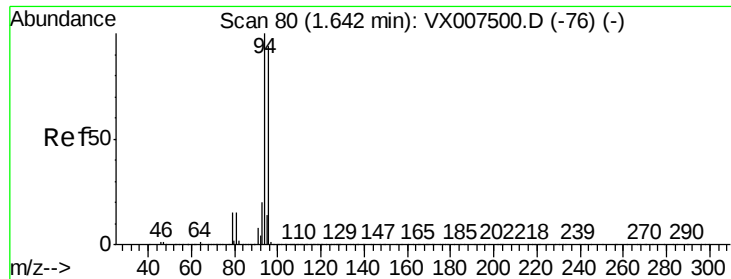
Tgt Ion: 62 Resp: 239392

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 48.540 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 219006

Ion Ratio Lower Upper

94 100

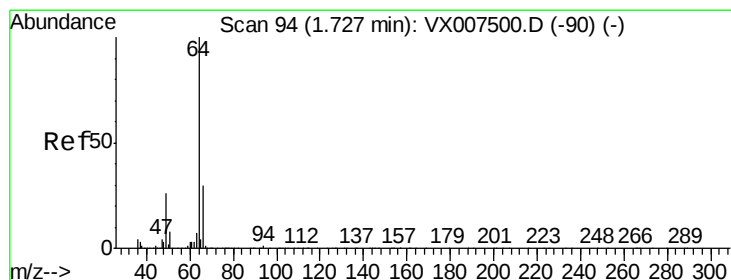
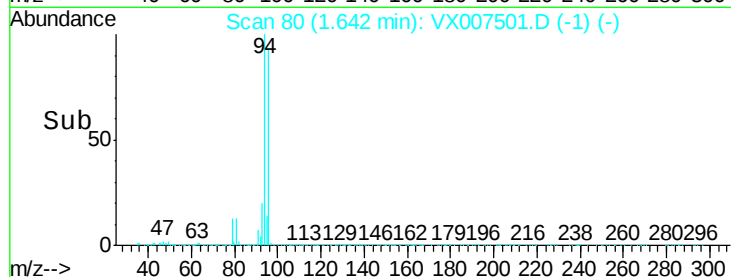
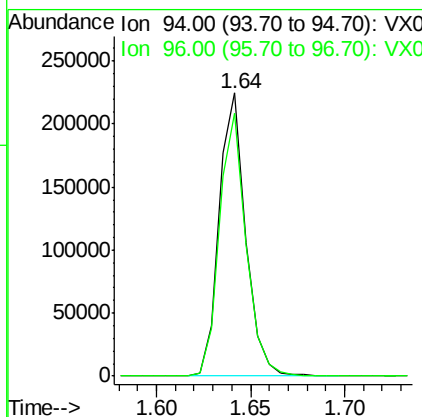
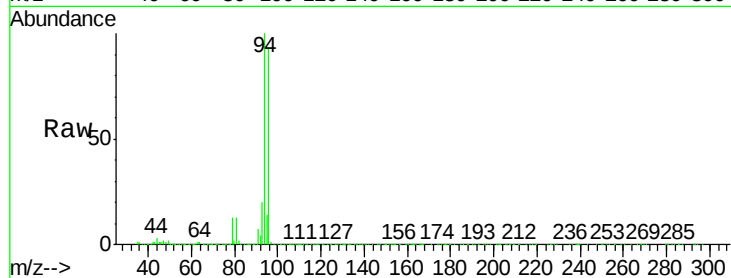
96 92.9 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 50.065 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.01 min

Lab File: VX007501.D

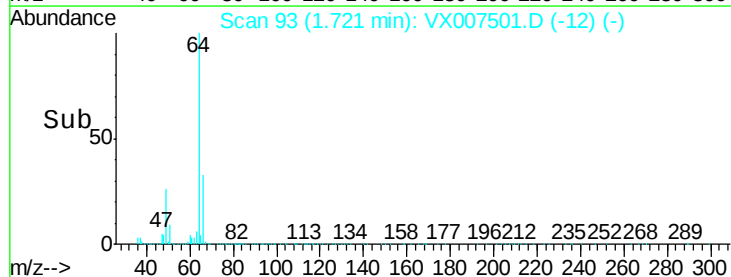
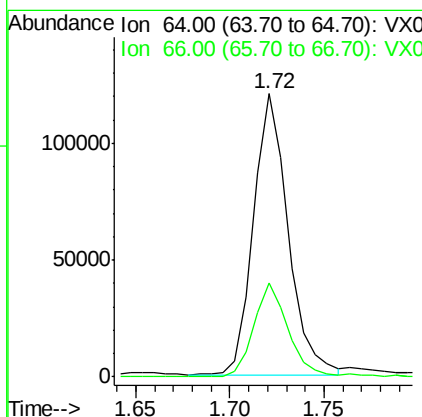
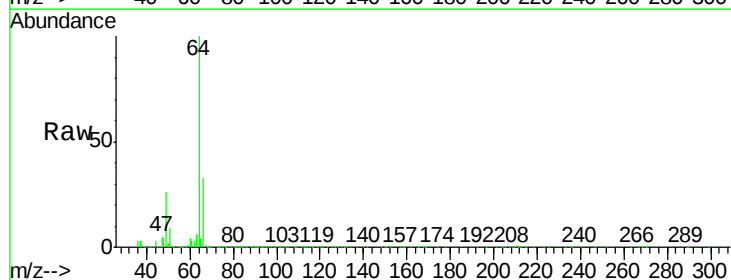
Acq: 12 Feb 2019 23:29

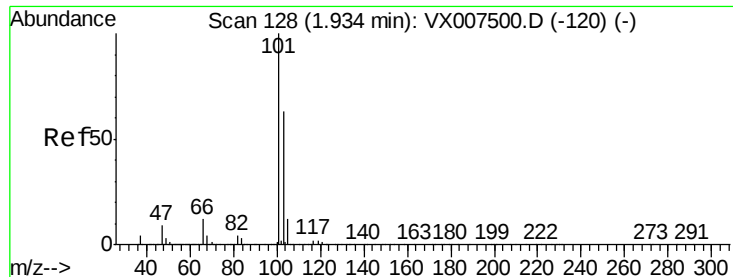
Tgt Ion: 64 Resp: 153366

Ion Ratio Lower Upper

64 100

66 33.1 23.9 35.9





#7

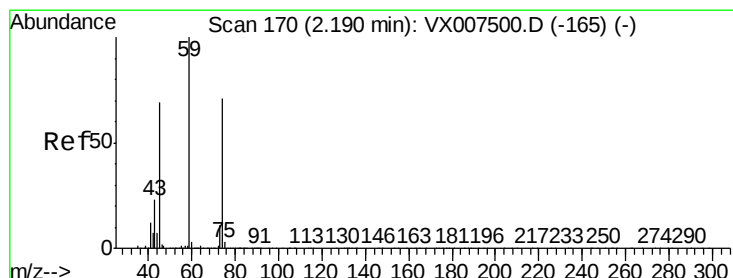
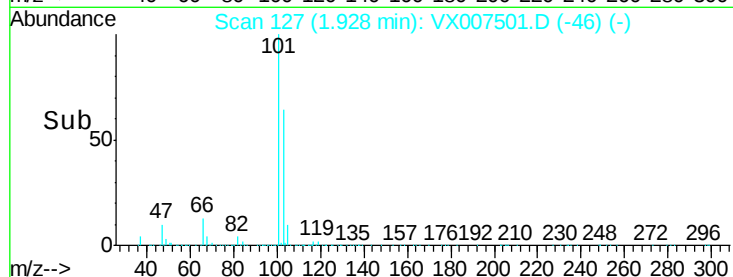
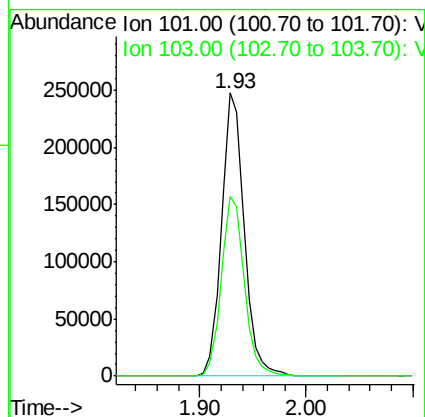
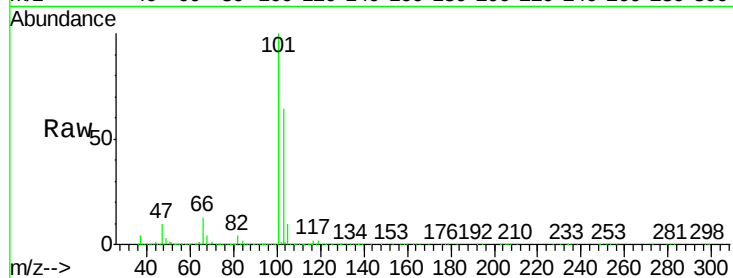
Trichlorofluoromethane
Concen: 48.437 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.4	75.6

Manual Integrations
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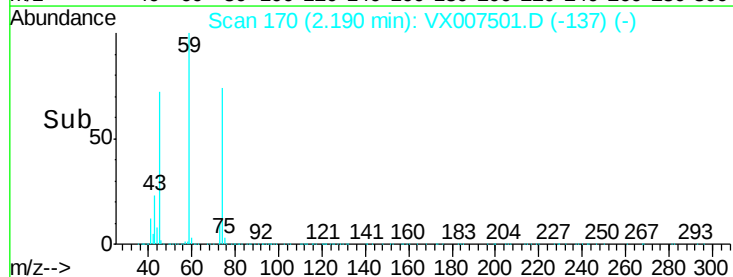
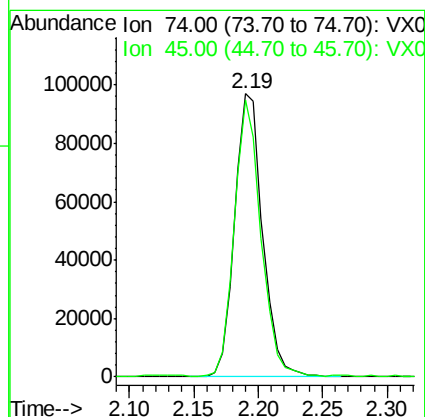
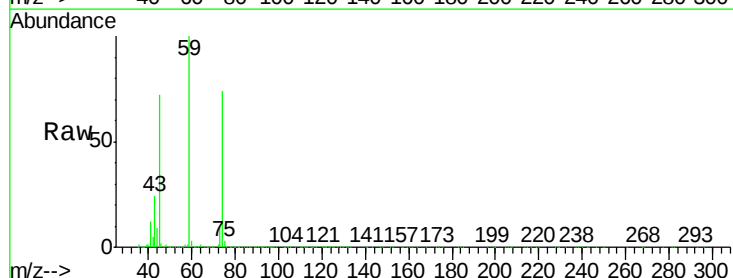
MMDadoda
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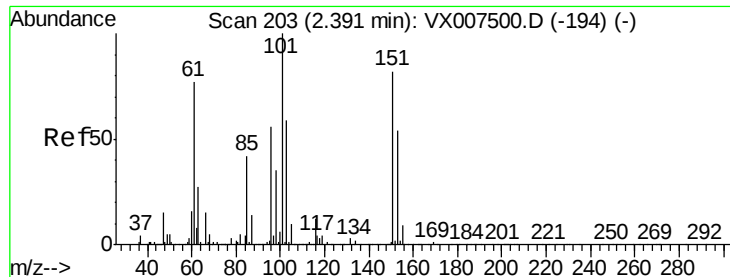


#8

Diethyl Ether
Concen: 50.654 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.076 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

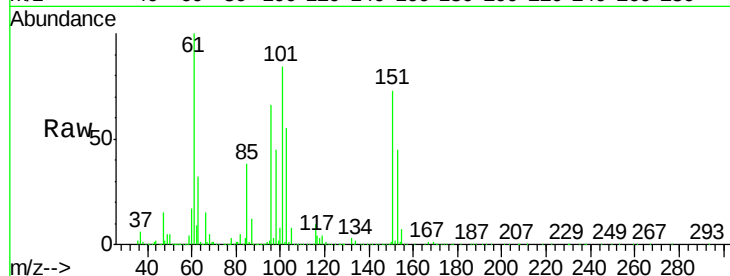
ClientSampled :

VSTDIC050

Tot Ion:	101	Resp:	209361
Ion Ratio	Lower	Upper	
101	100		
85	43.7	0.0	86.8
151	84.8	0.0	169.2

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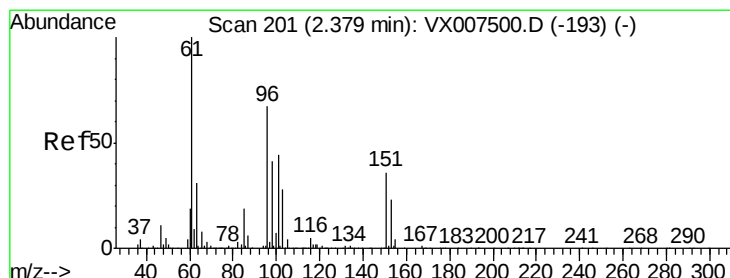
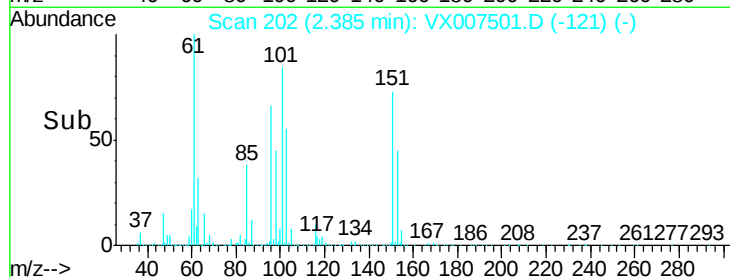
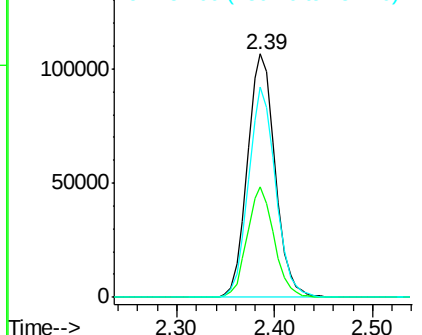
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2/13/2019 11:52:45 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 50.428 ug/l

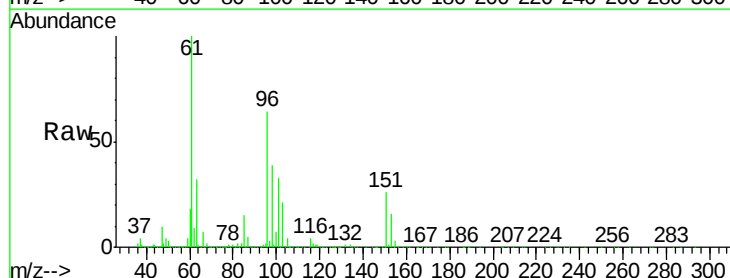
RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

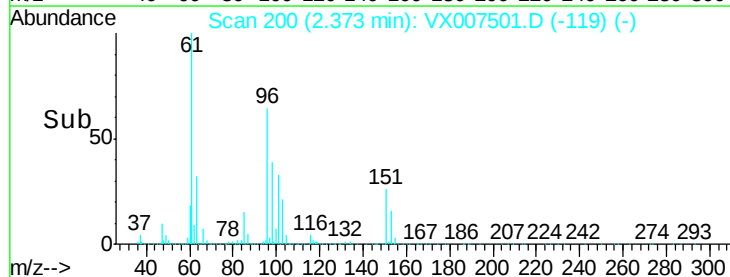
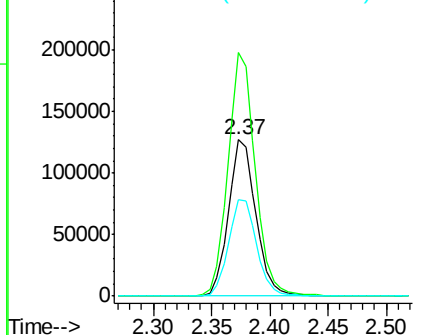
Tgt Ion:	96	Resp:	207051
Ion Ratio	Lower	Upper	
96	100		
61	156.0	120.2	180.2
98	61.5	49.0	73.4

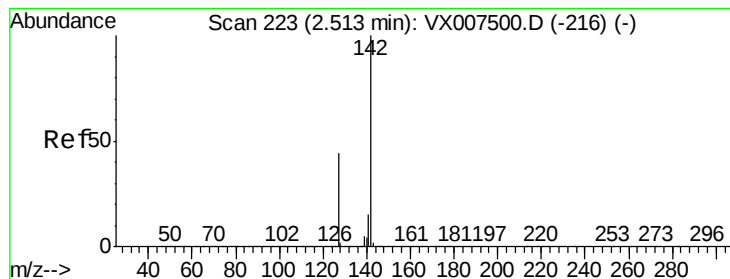


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#11

Methvl Iodide

Concen: 48.912 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

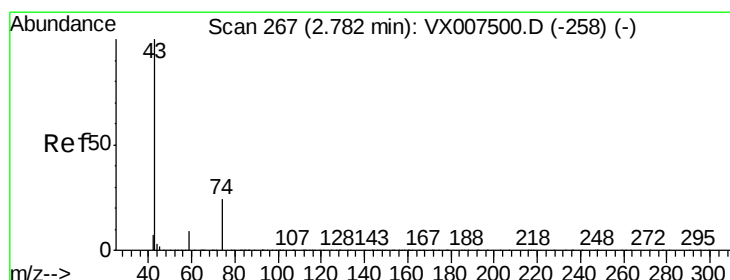
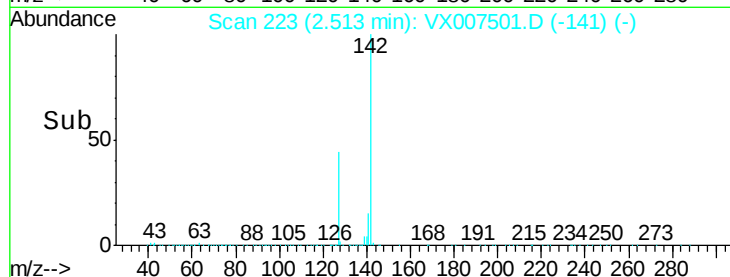
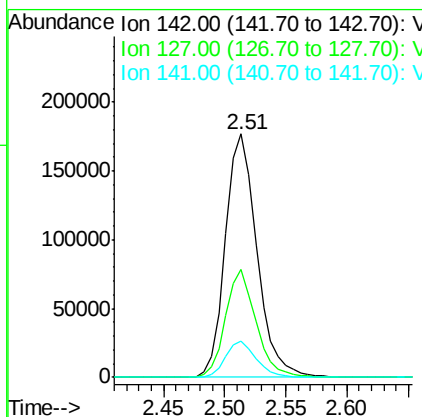
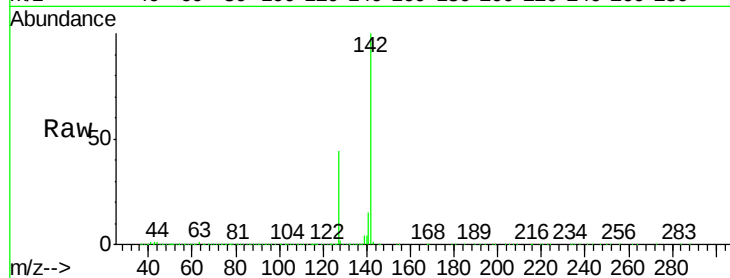
ClientSampleId :

VSTDIC050

Tot Ion:	142	Resp:	315985
Ion Ratio	Lower	Upper	
142	100		
127	43.9	22.1	66.5
141	14.9	7.4	22.3

Manual Integrations
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#12

Methyl Acetate

Concen: 40.326 ug/l

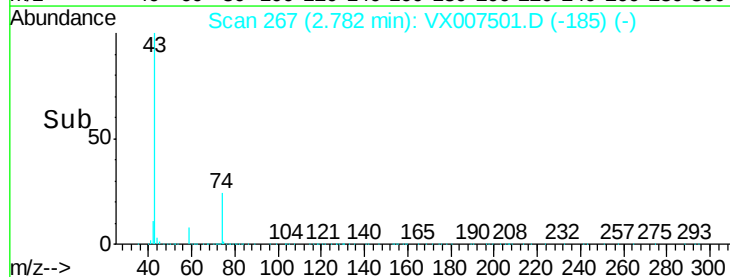
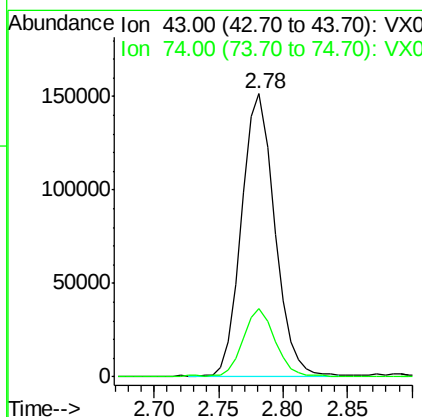
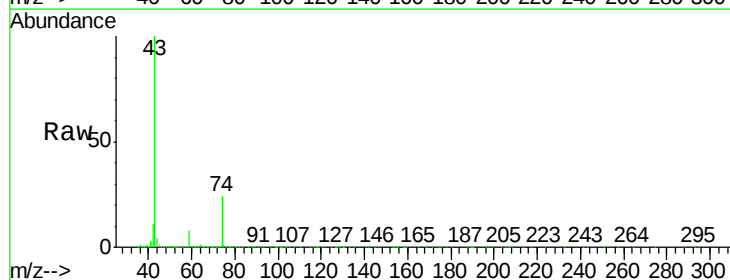
RT: 2.78 min Scan# 267

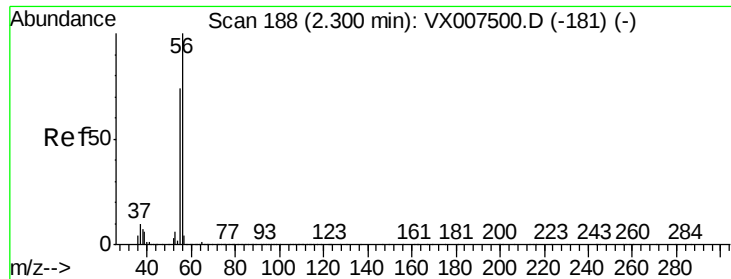
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	43	Resp:	268498
Ion Ratio	Lower	Upper	
43	100		
74	23.8	19.4	29.0





#13

Acrolein

Concen: 412.091 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 247154

Ion Ratio Lower Upper

56 100

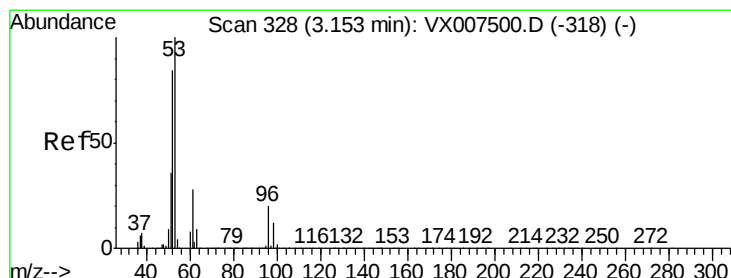
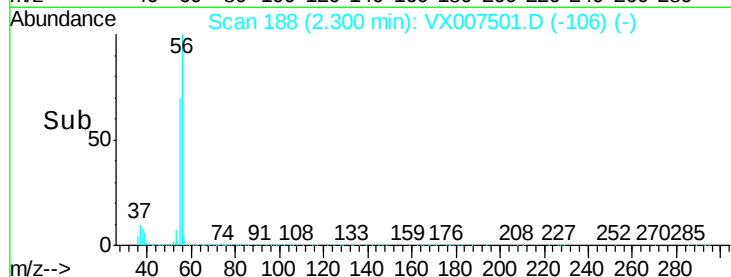
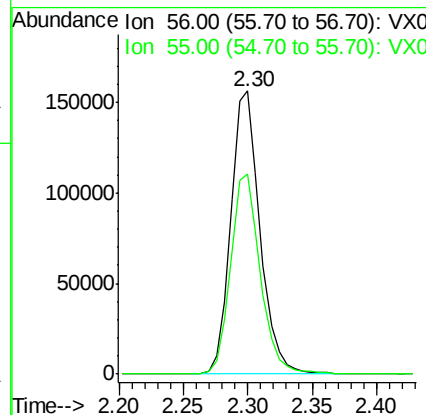
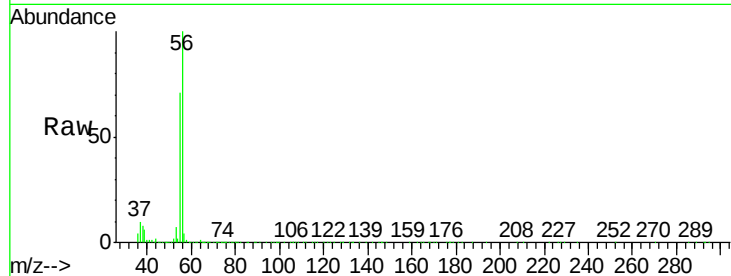
55 71.9 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 258.142 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

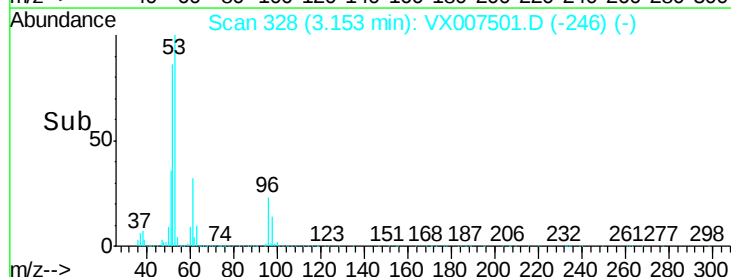
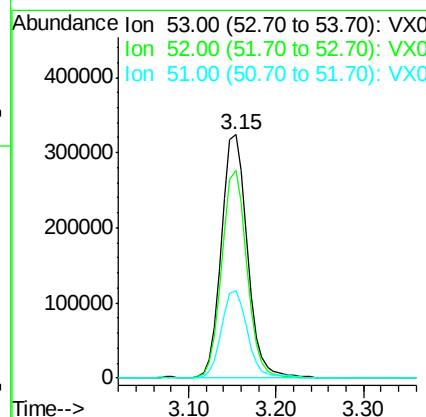
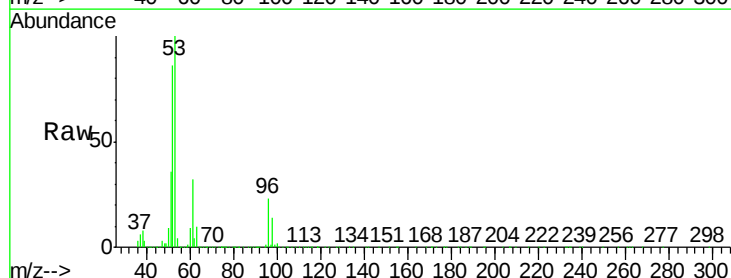
Tgt Ion: 53 Resp: 671422

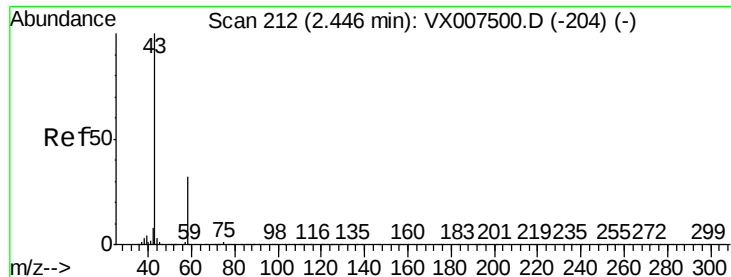
Ion Ratio Lower Upper

53 100

52 82.2 41.3 124.1

51 35.6 17.5 52.6





#15

Acetone

Concen: 248.115 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 181147

Ion Ratio Lower Upper

58 100

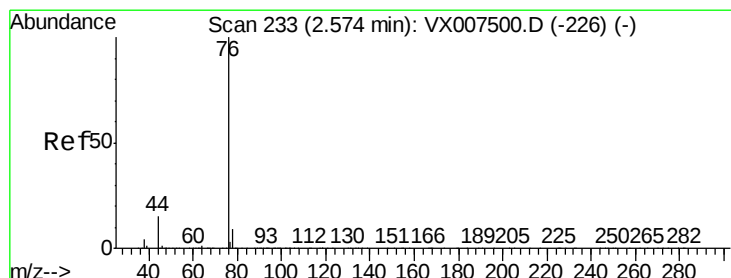
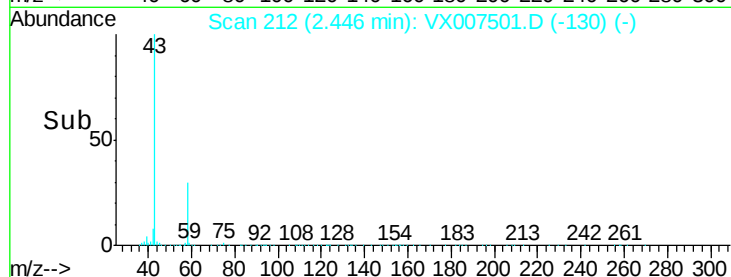
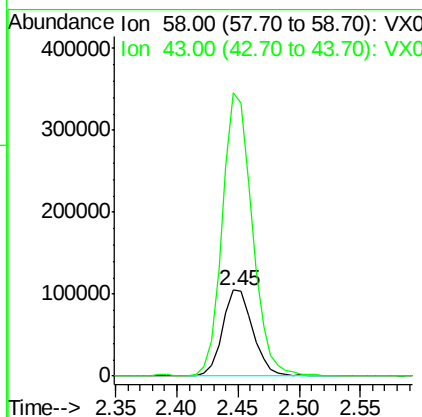
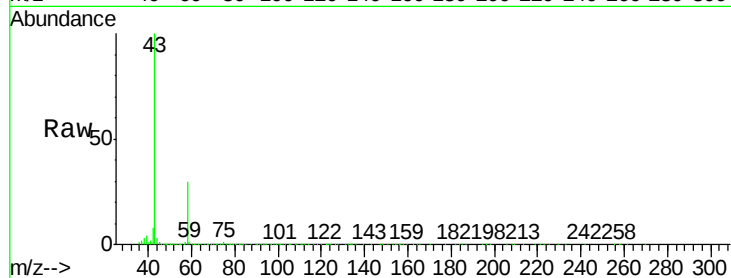
43 329.9 249.8 374.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 55.807 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007501.D

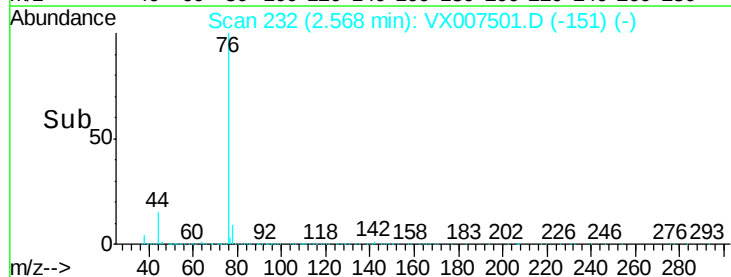
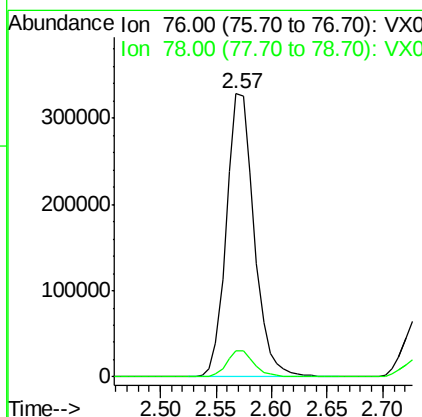
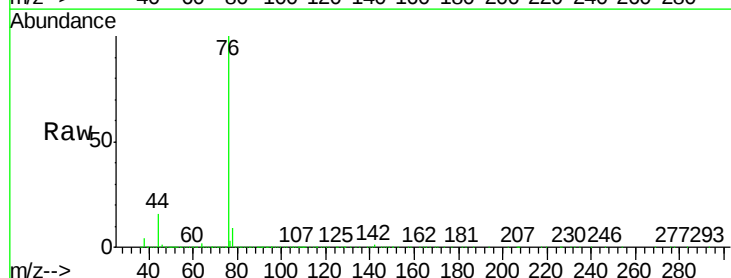
Acq: 12 Feb 2019 23:29

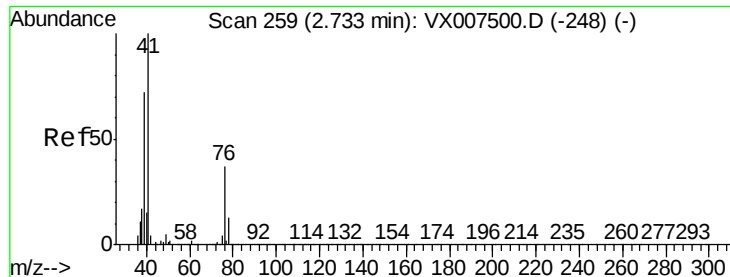
Tgt Ion: 76 Resp: 566623

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3





#17

Allvl chloride

Concen: 49.960 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

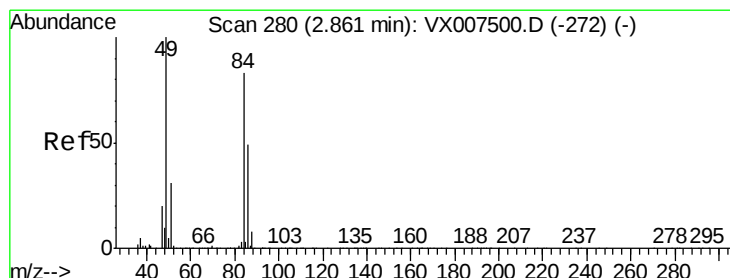
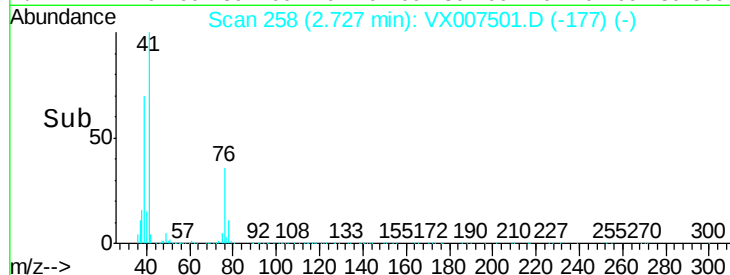
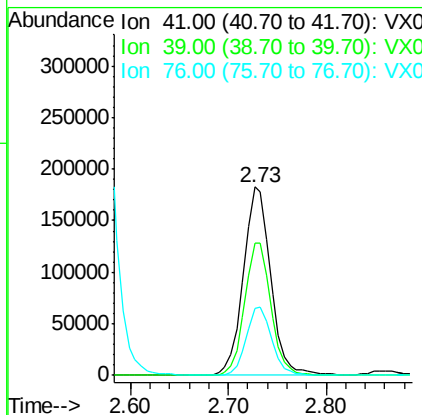
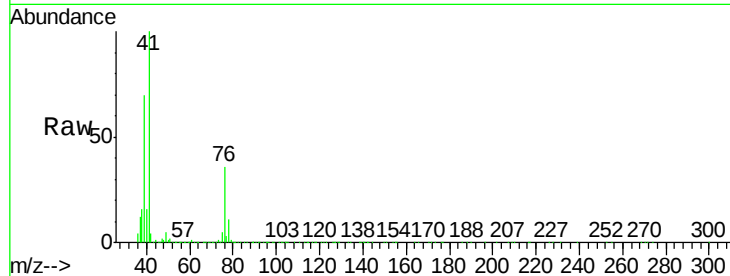
ClientSampleId :

VSTDIC050

Tot Ion:	41	Resp:	353365
Ion	Ratio	Lower	Upper
41	100		
39	69.9	35.8	107.4
76	35.6	18.3	54.9

Manual Integrations
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#18

Methylene Chloride

Concen: 49.929 ug/l

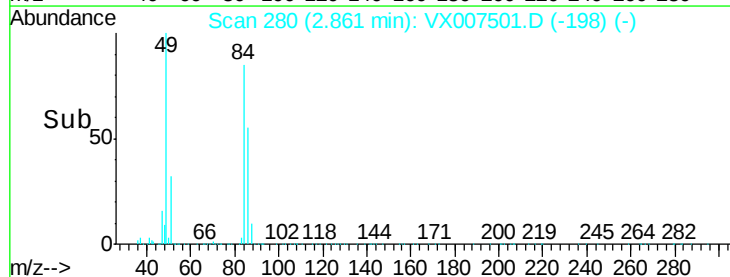
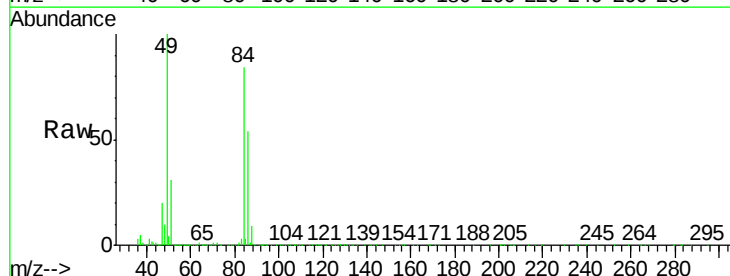
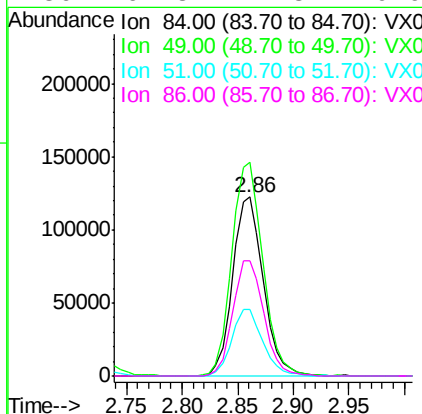
RT: 2.86 min Scan# 280

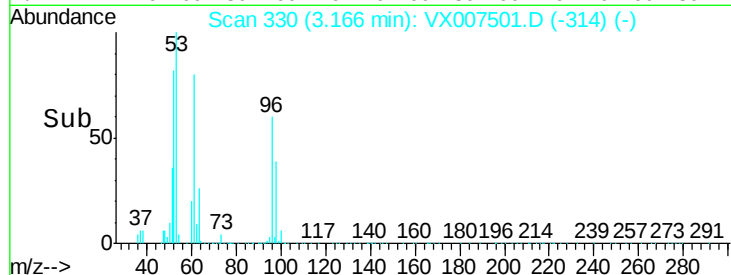
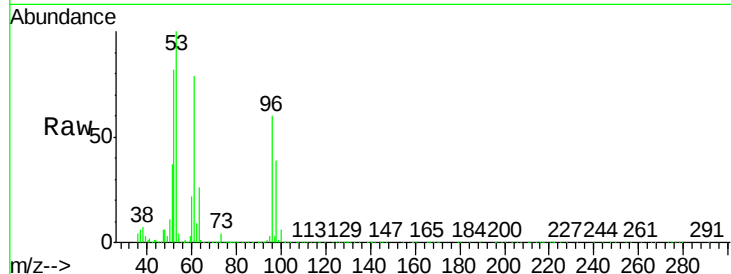
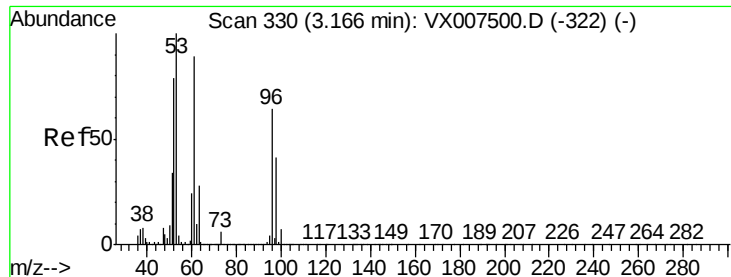
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	84	Resp:	233912
Ion	Ratio	Lower	Upper
84	100		
49	119.3	96.1	144.1
51	37.4	29.1	43.7
86	64.3	47.3	70.9





#19

trans-1,2-Dichloroethene

Concen: 50.369 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007501.D

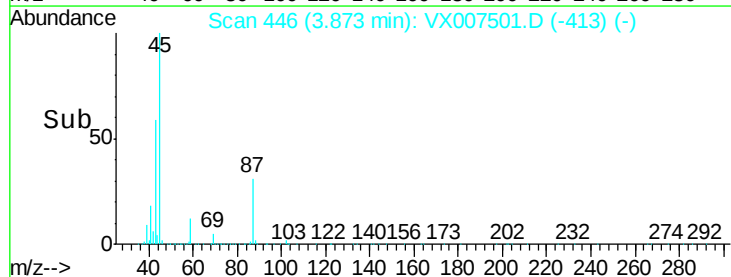
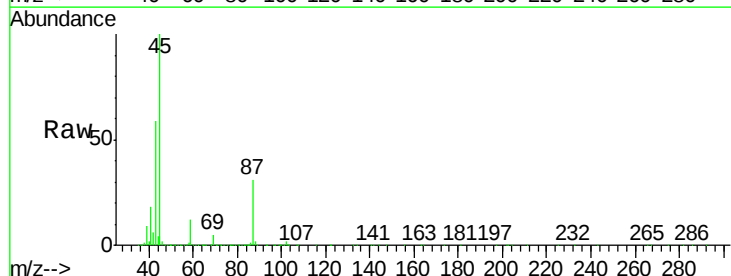
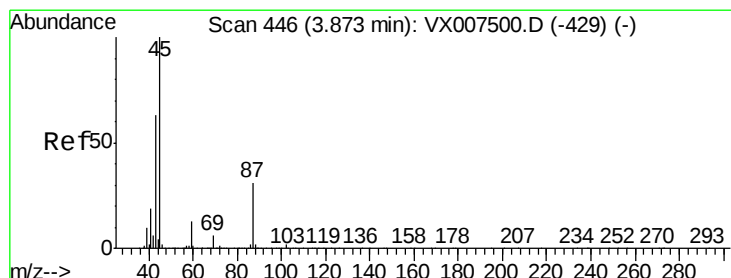
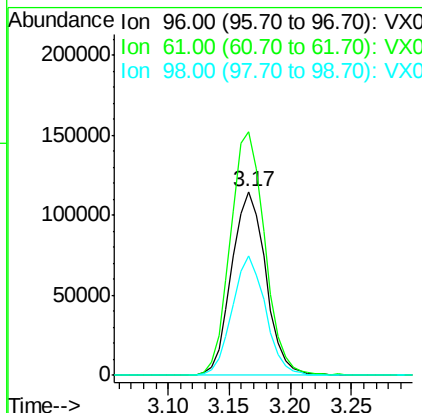
Acq: 12 Feb 2019 23:29

Tot Ion:	96	Resp:	222916
Ion	Ratio	Lower	Upper
96	100		
61	132.5	109.9	164.9
98	64.7	50.4	75.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Manual Integrations
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#20

Diisopropyl ether

Concen: 51.198 ug/l

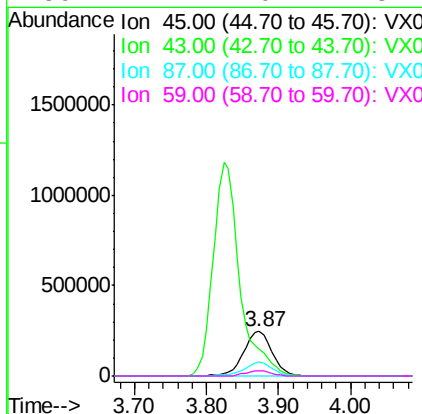
RT: 3.87 min Scan# 446

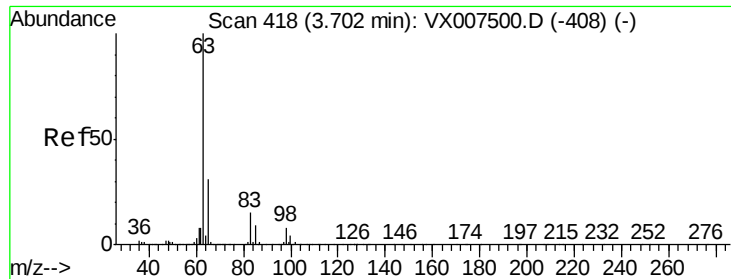
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	45	Resp:	677412
Ion	Ratio	Lower	Upper
45	100		
43	58.8	50.6	76.0
87	30.8	24.5	36.7
59	12.2	10.2	15.2





#21

1,1-Dichloroethane

Concen: 50.405 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

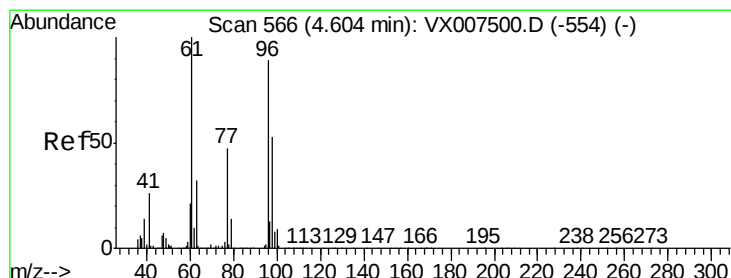
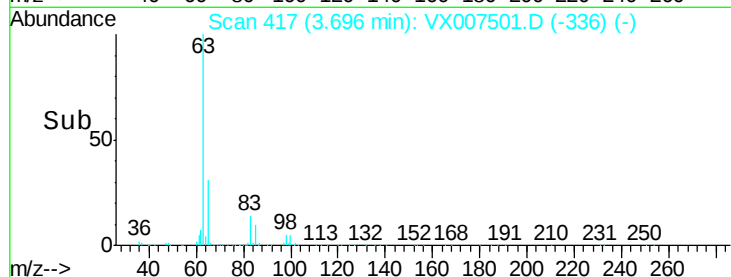
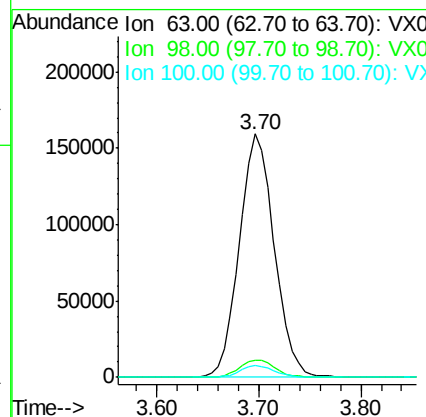
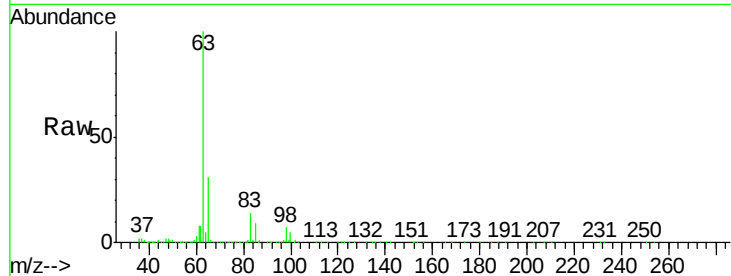
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	378818
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.8	11.4
100	5.0	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 51.268 ug/l

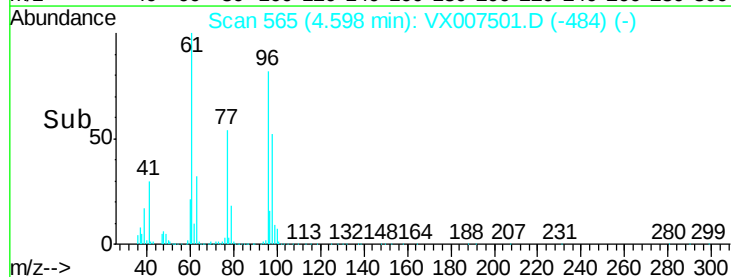
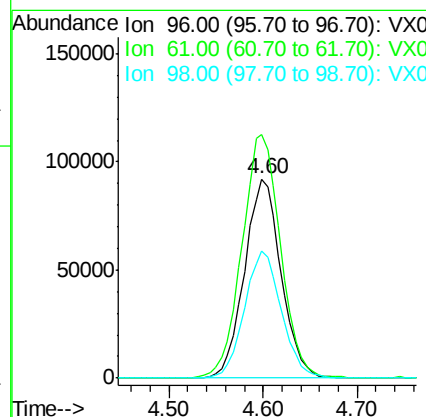
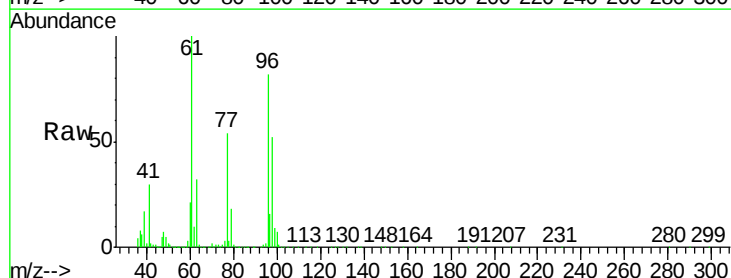
RT: 4.60 min Scan# 565

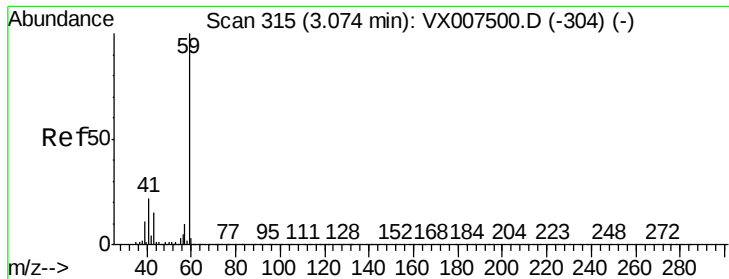
Delta R.T. -0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	96	Resp:	250707
Ion Ratio	Lower	Upper	
96	100		
61	128.8	103.5	155.3
98	64.2	52.1	78.1





#23

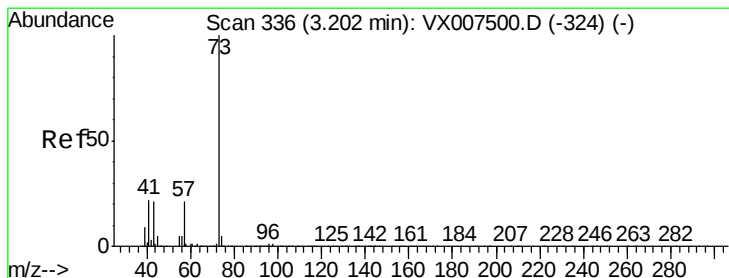
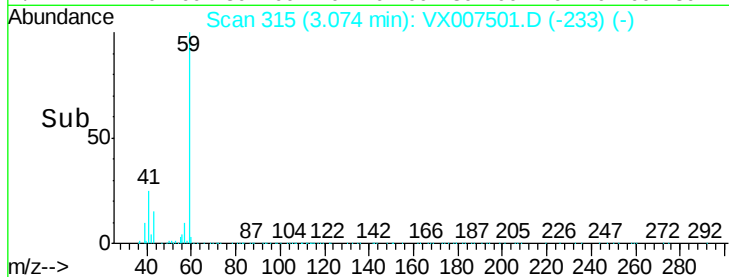
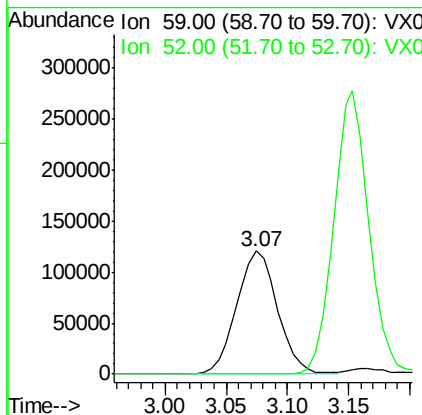
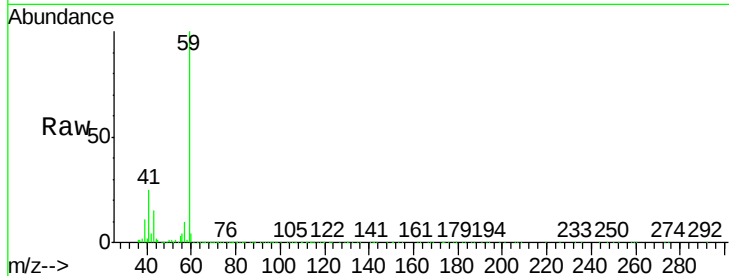
tert-Butyl Alcohol
Concen: 255.147 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2

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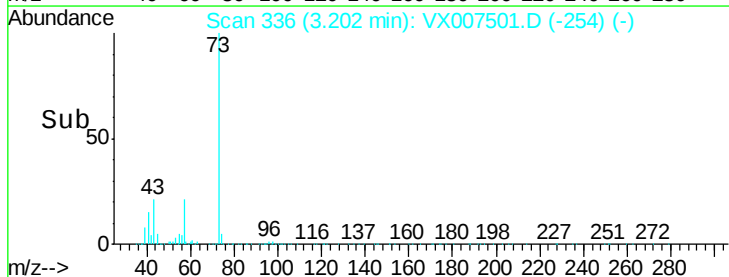
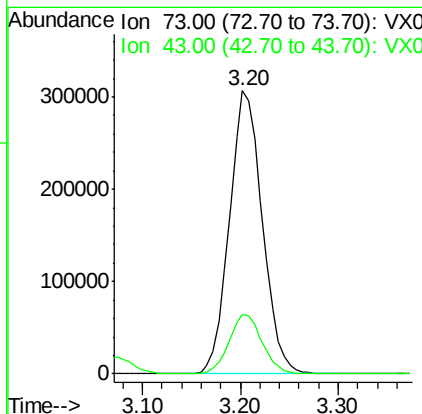
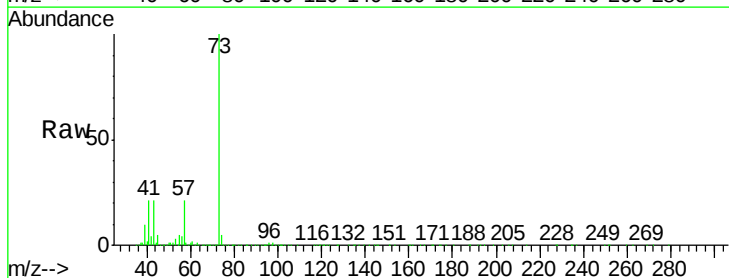
MMDadoda
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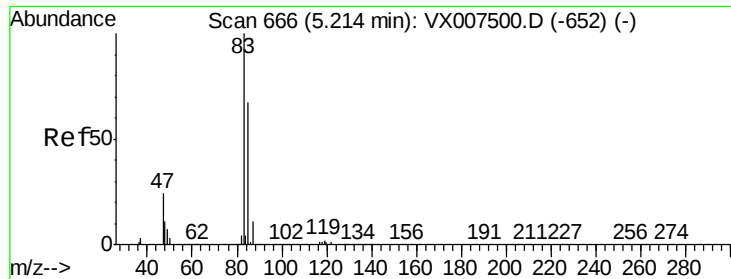


#24

Methyl tert-Butyl Ether
Concen: 49.978 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.0	17.1	25.7





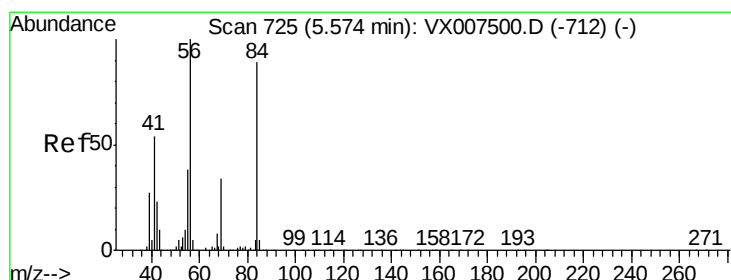
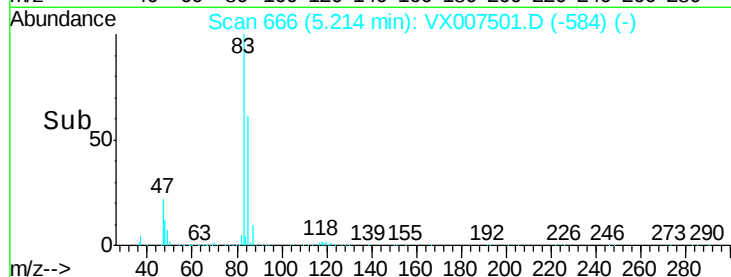
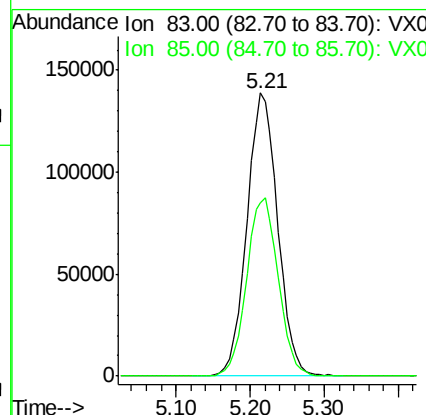
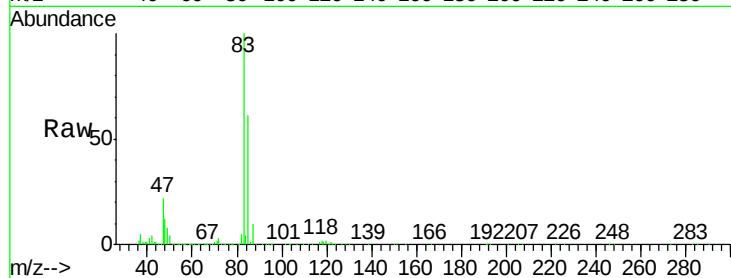
#25
Chloroform
Concen: 51.641 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.4	53.8	80.6

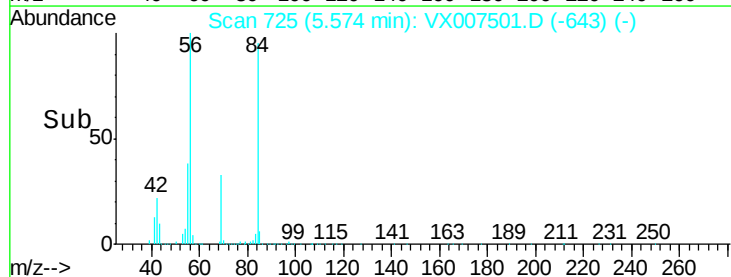
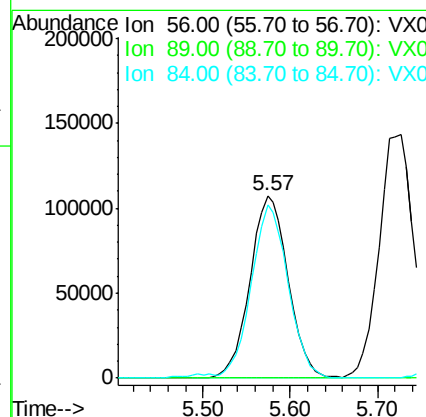
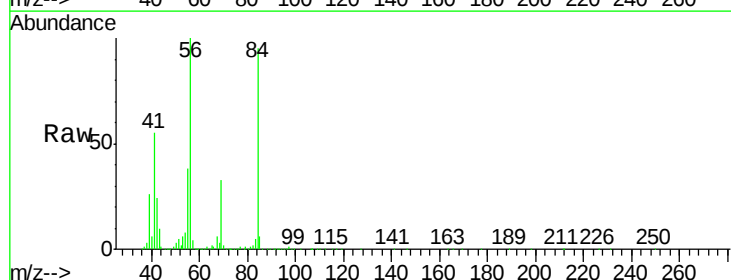
Manual Integrations
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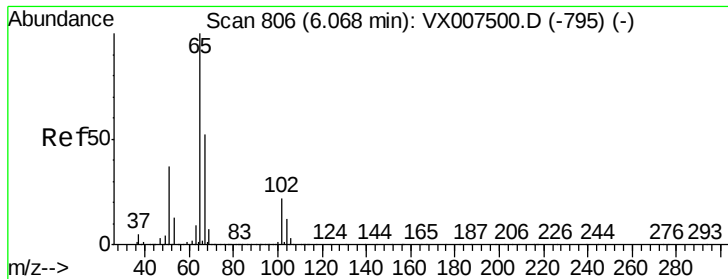
MMDadoda
2/13/2019 11:52:45 AM



#26
Cyclohexane
Concen: 51.009 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0#
84	91.9	73.9	110.9





#27

1,2-Dichloroethane-d4

Concen: 28.686 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 146603

Ion Ratio Lower Upper

65 100

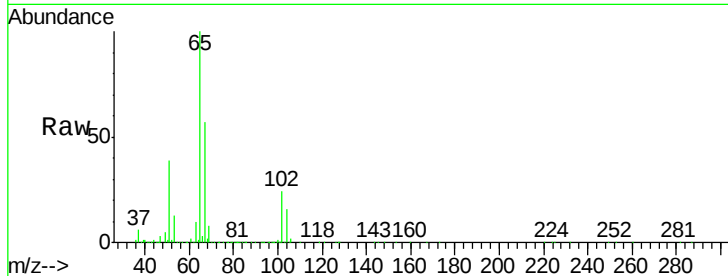
67 54.9 42.9 64.3

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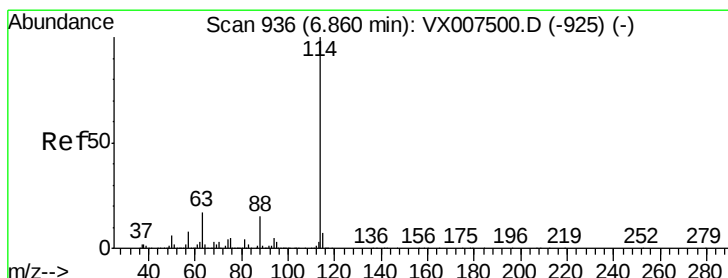
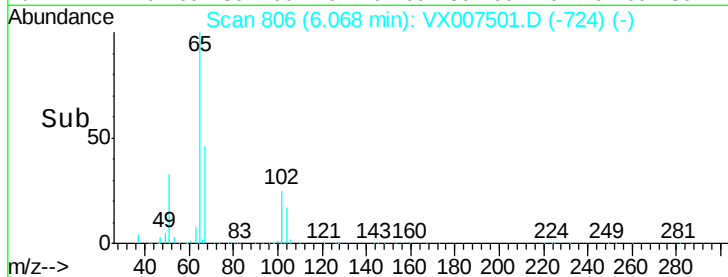
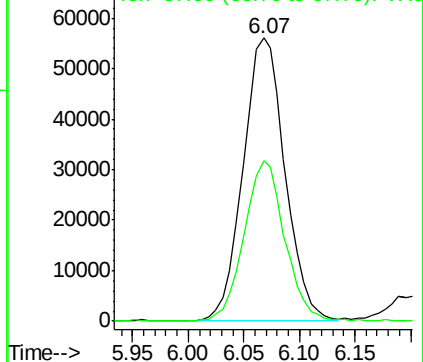
MMDadoda

2/13/2019 11:52:45 AM



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

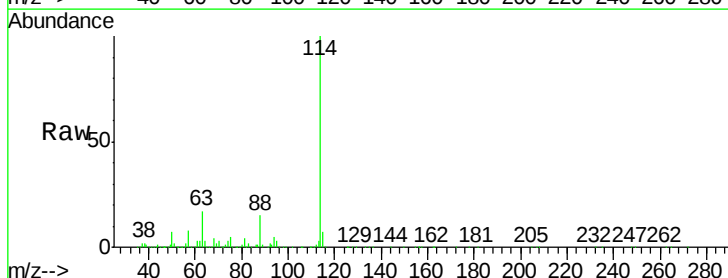
Tgt Ion: 114 Resp: 416106

Ion Ratio Lower Upper

114 100

63 18.2 14.2 21.4

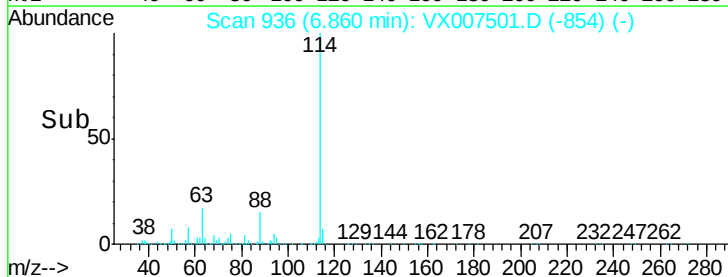
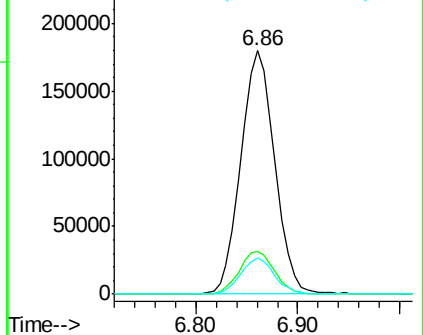
88 14.7 11.9 17.9

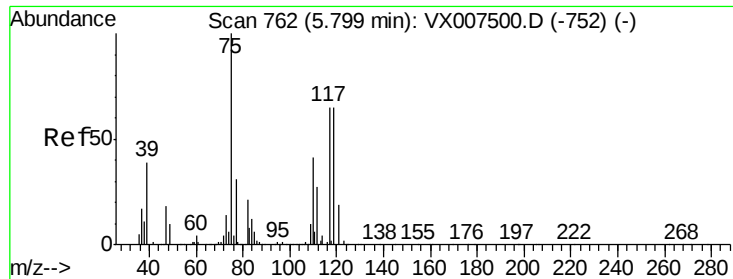


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





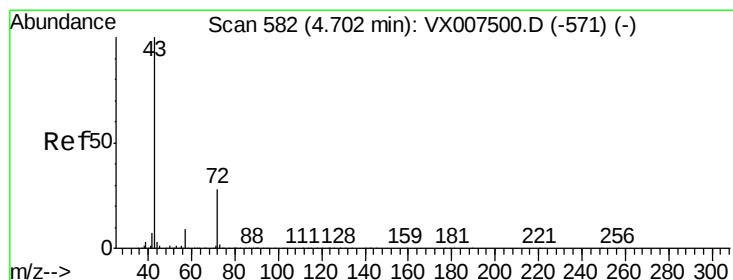
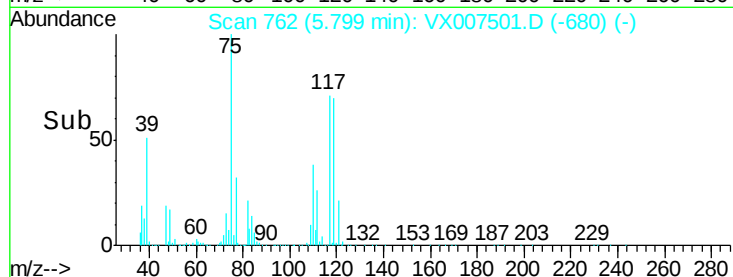
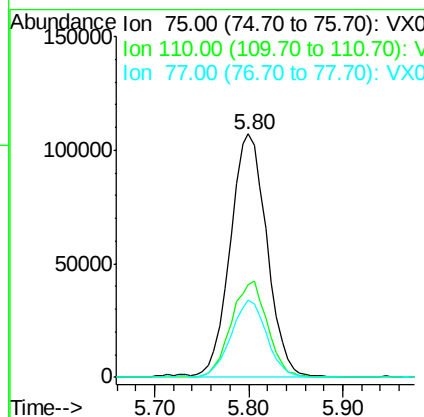
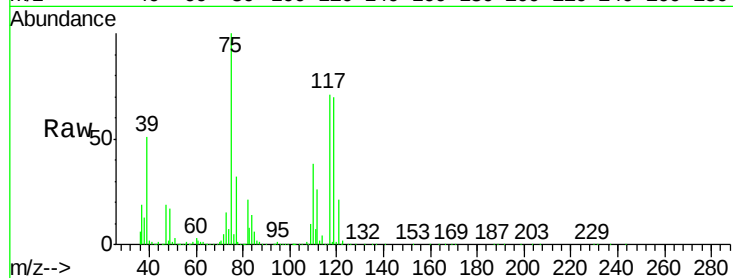
#29
 1,1-Dichloropropene
 Concen: 52.764 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	39.2	0.0	80.8
77	30.7	0.0	62.4

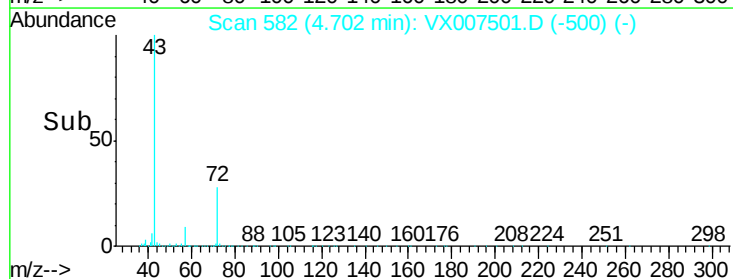
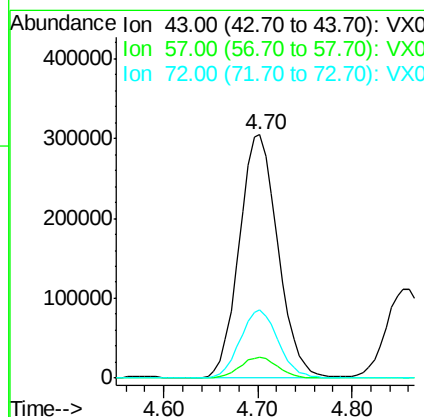
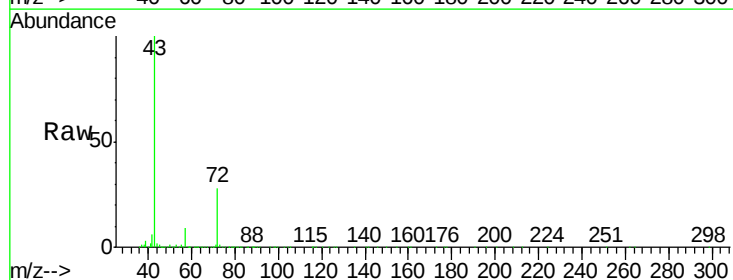
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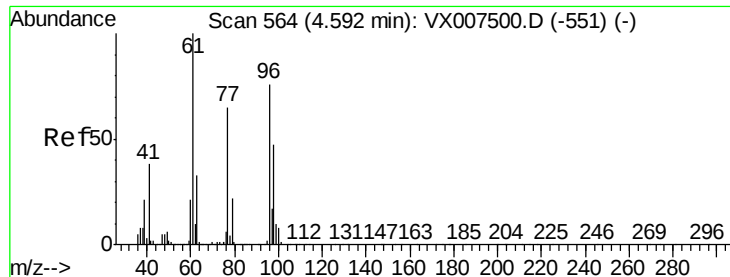
MMDadoda
 2/13/2019 11:52:45 AM



#30
 2-Butanone
 Concen: 265.543 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	7.0	10.6
72	27.5	21.5	32.3





#31

2,2-Dichloropropane

Concen: 43.827 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 235108

Ion Ratio Lower Upper

77 100

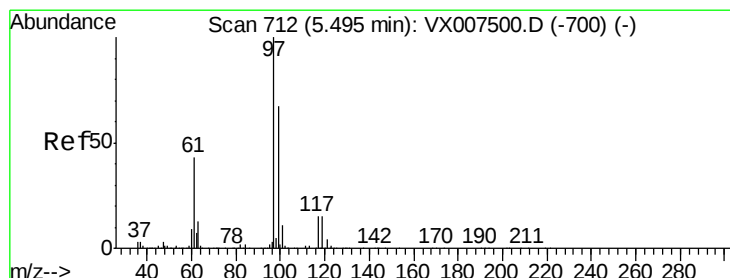
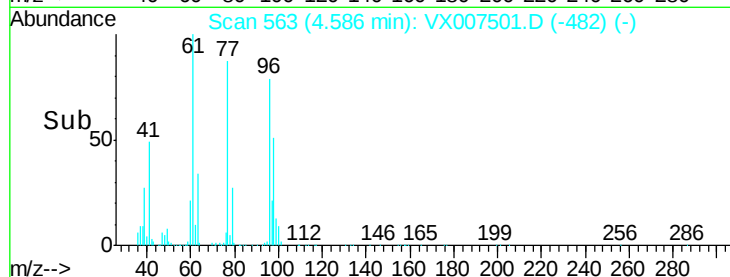
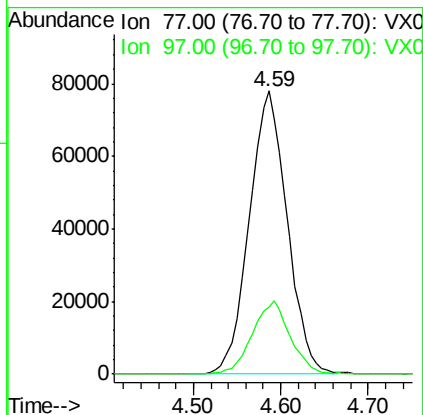
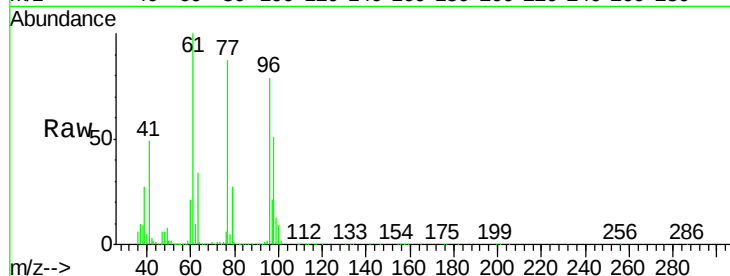
97 25.7 20.6 31.0

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#32

1,1,1-Trichloroethane

Concen: 52.753 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

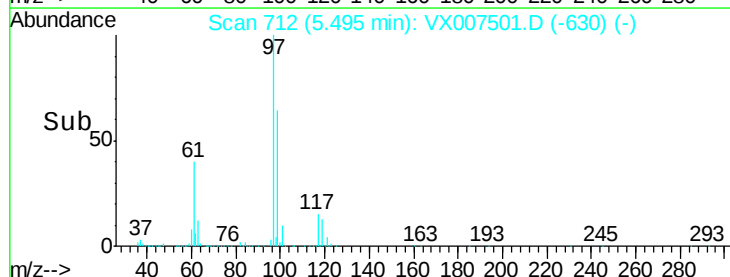
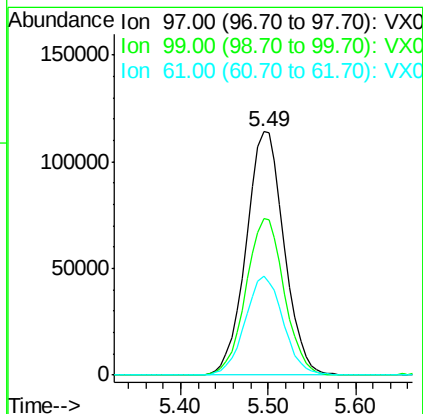
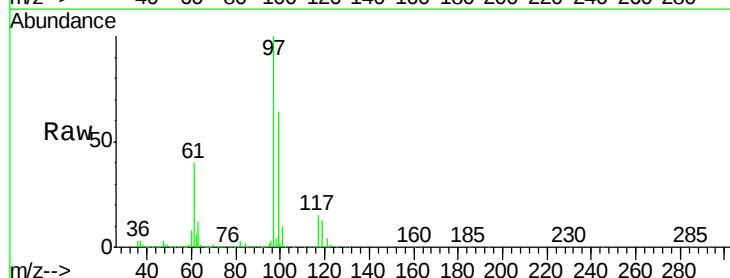
Tgt Ion: 97 Resp: 345322

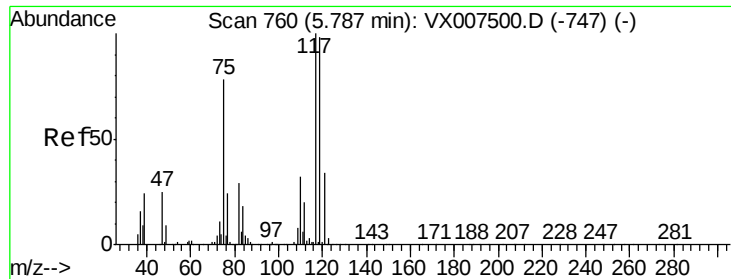
Ion Ratio Lower Upper

97 100

99 64.7 51.7 77.5

61 40.7 32.8 49.2





#33

Carbon Tetrachloride

Concen: 52.451 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

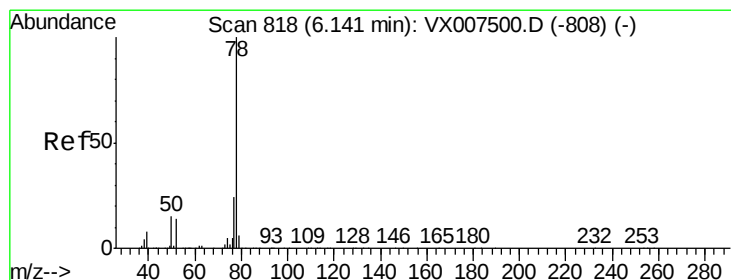
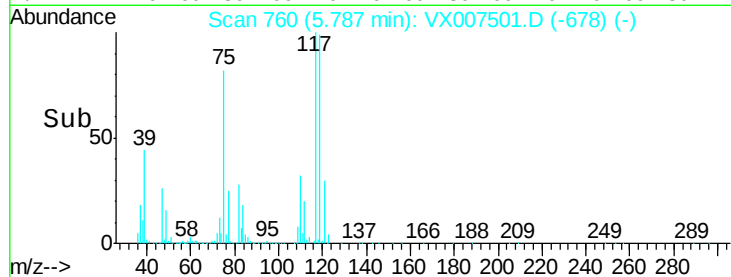
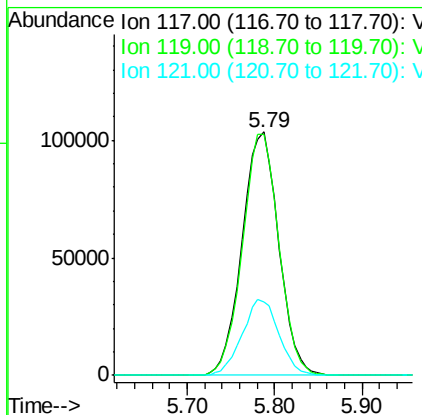
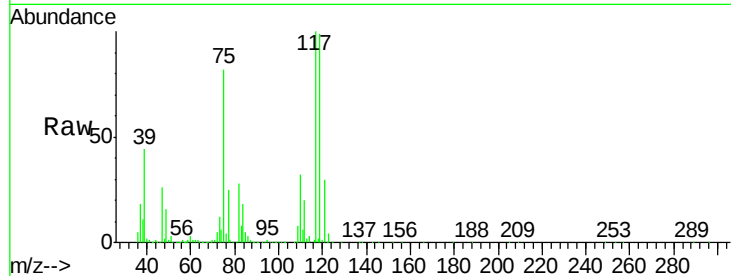
ClientSampleId :

VSTDIC050

Tot Ion:	117	Resp:	302158
Ion Ratio	Lower	Upper	
117	100		
119	99.0	78.1	117.1
121	30.2	27.0	40.6

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#34

Benzene

Concen: 52.703 ug/l

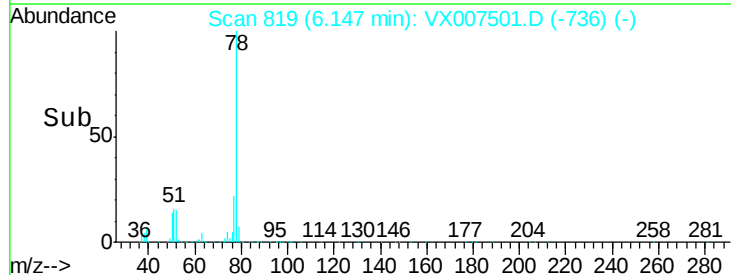
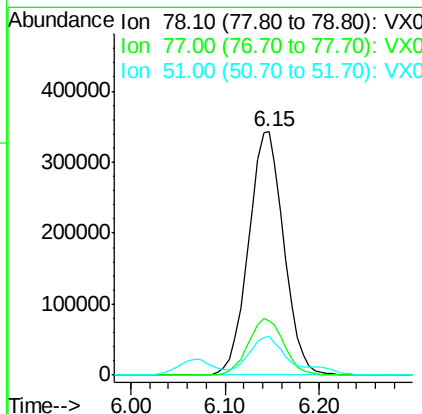
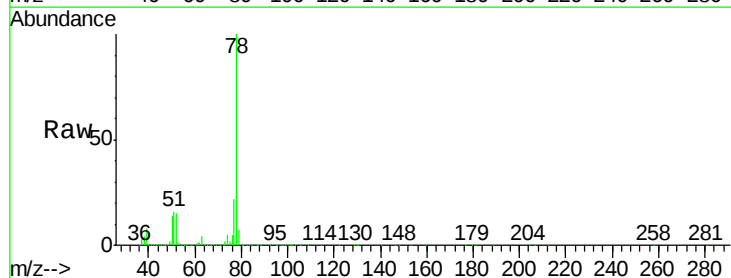
RT: 6.15 min Scan# 819

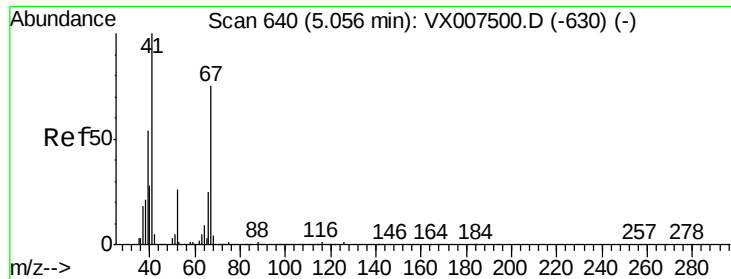
Delta R.T. 0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	78	Resp:	898993
Ion Ratio	Lower	Upper	
78	100		
77	22.4	19.1	28.7
51	14.4	10.8	16.2





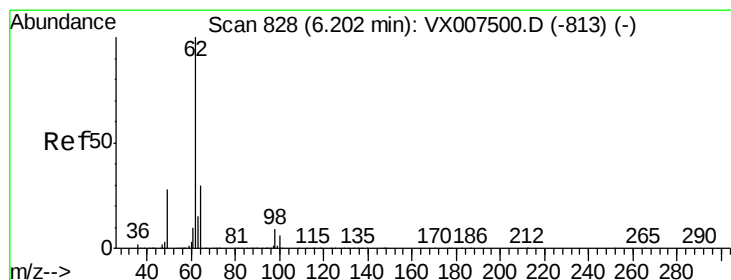
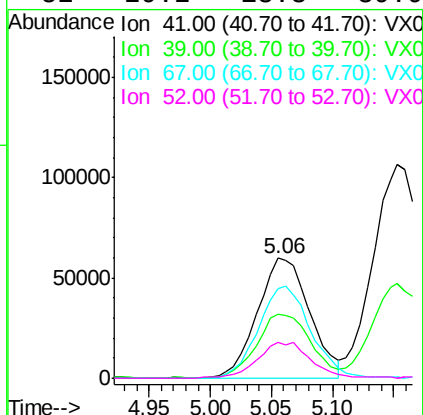
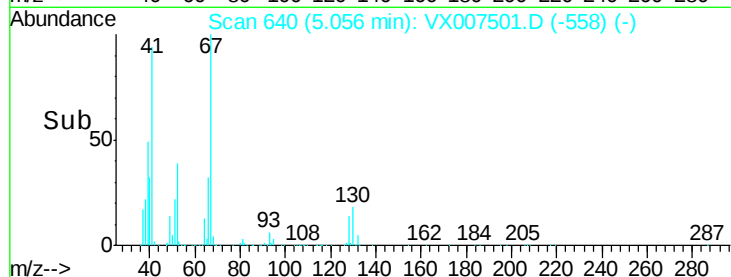
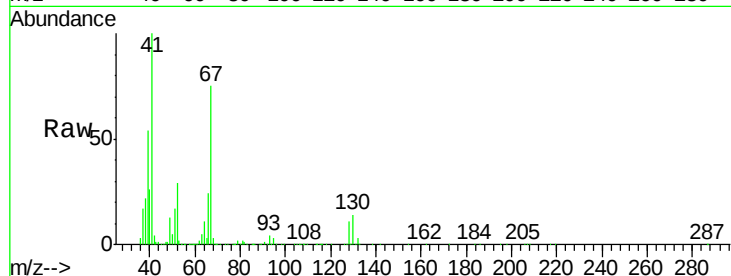
#35
Methacrylonitrile
Concen: 52.752 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	27.4	82.0	
67	75.1	37.9	113.6	
52	29.2	13.3	39.9	

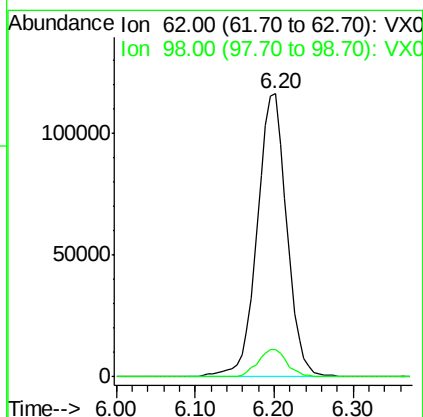
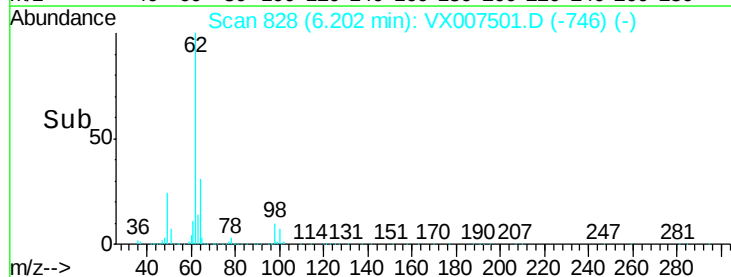
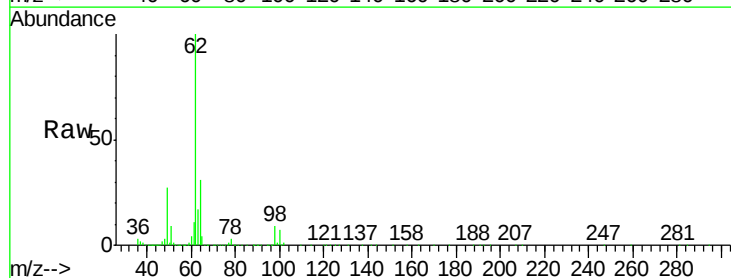
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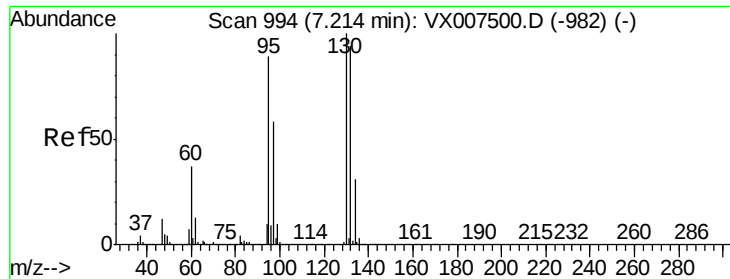
MMDadoda
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#36
1,2-Dichloroethane
Concen: 51.812 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	7.8	11.8	





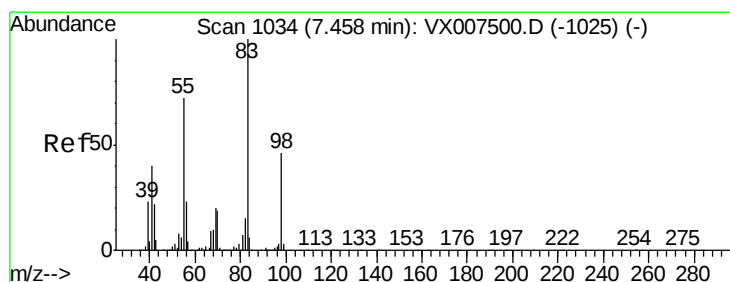
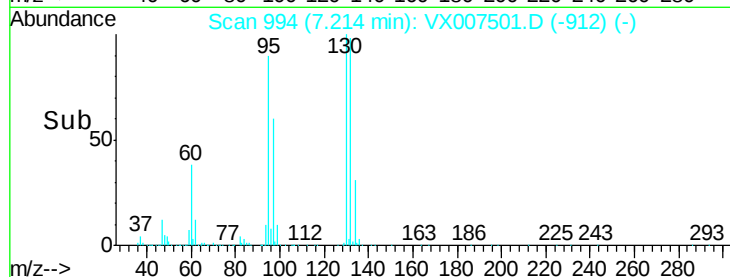
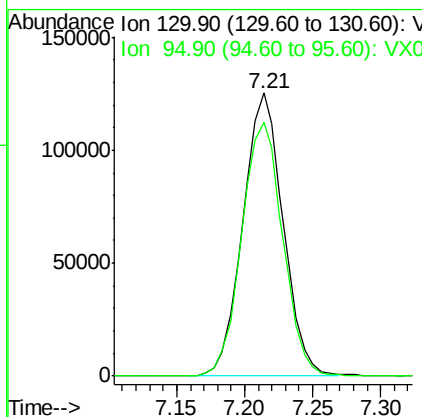
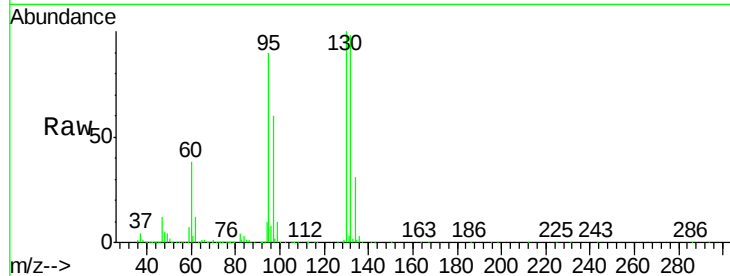
#37
 Trichloroethene
 Concen: 51.576 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
130	100	258301		
95	89.7	71.3	106.9	

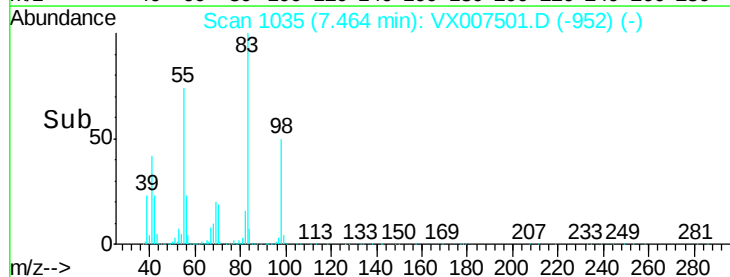
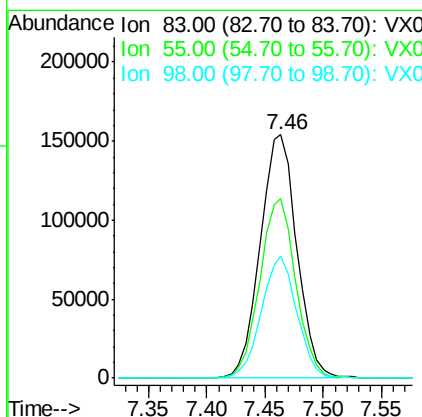
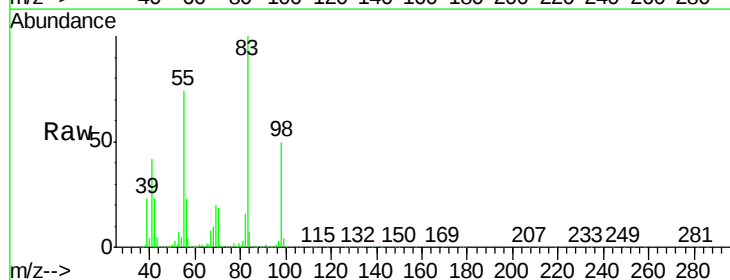
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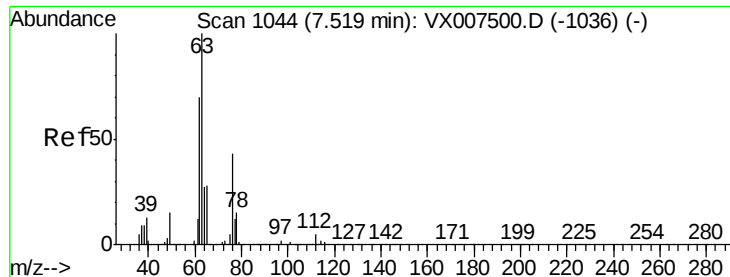
MMDadoda
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#38
 Methylcyclohexane
 Concen: 48.636 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.01 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	336178		
55	72.6	36.0	108.0	
98	48.8	23.8	71.4	





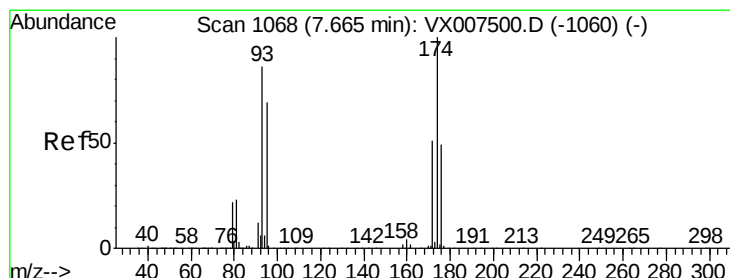
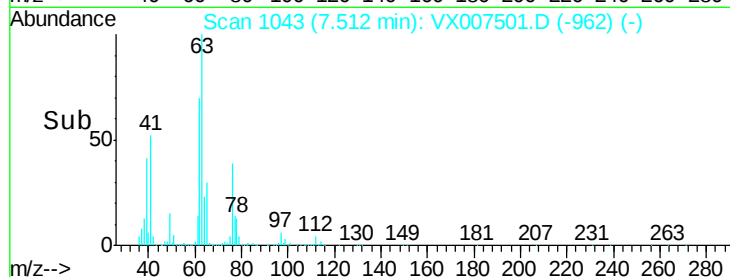
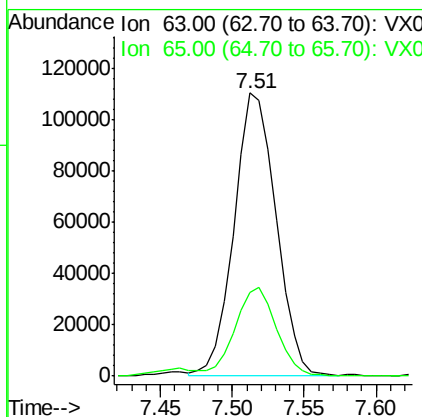
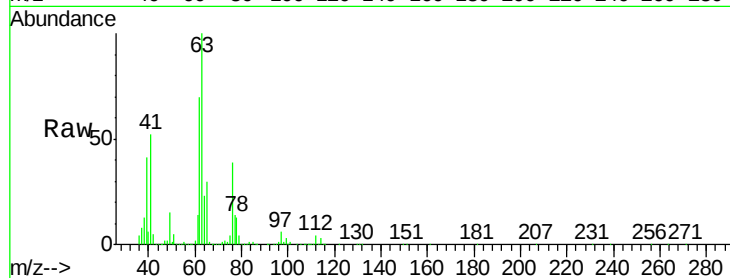
#39
 1,2-Dichloropropane
 Concen: 52.483 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.6	37.0

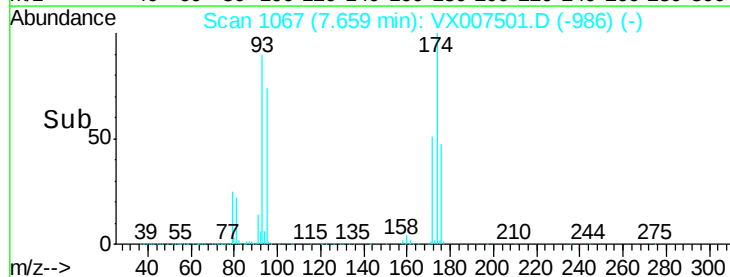
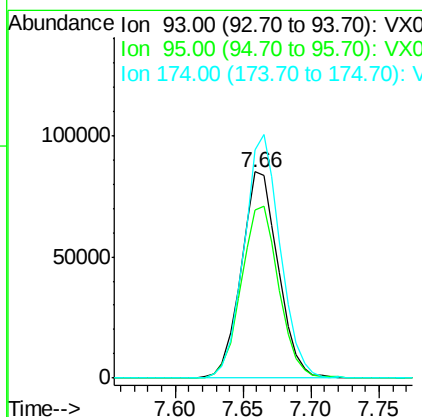
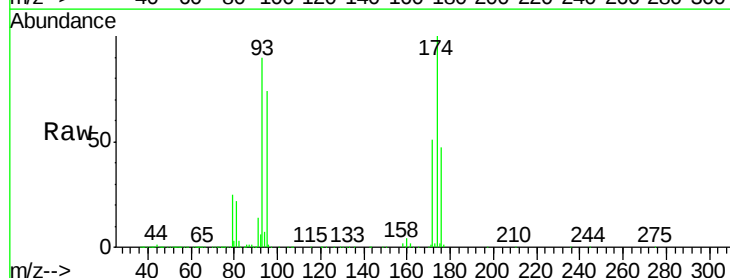
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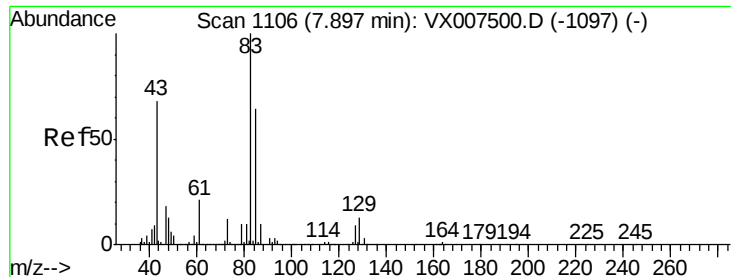
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#40
 Dibromomethane
 Concen: 52.029 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	0.0	158.8
174	115.8	0.0	224.2





#41

Bromodichloromethane

Concen: 54.028 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

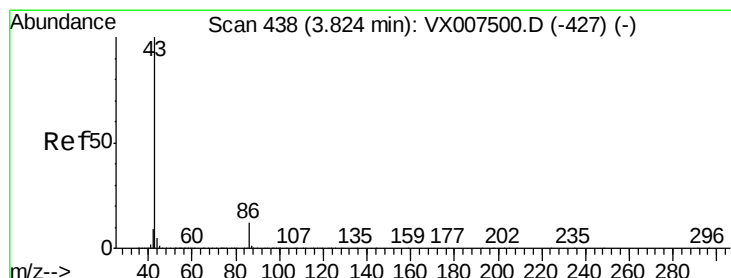
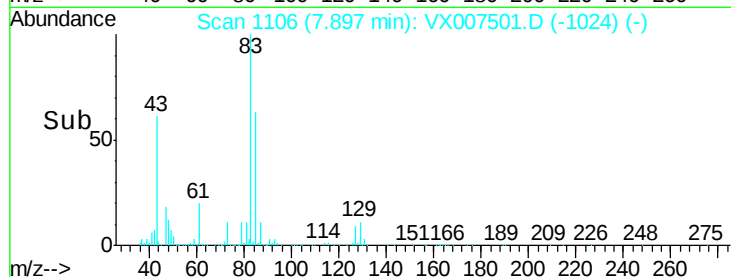
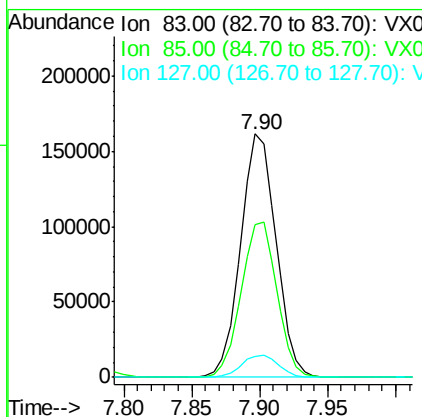
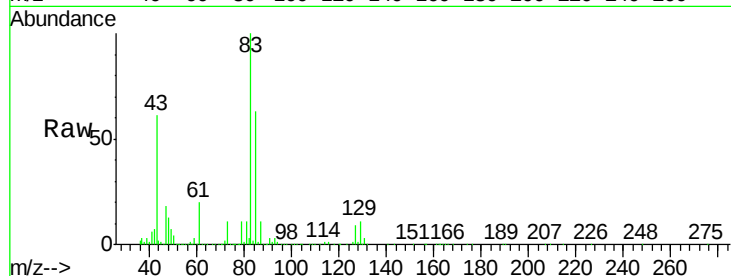
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	293366
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.1	76.7
127	8.8	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 268.266 ug/l

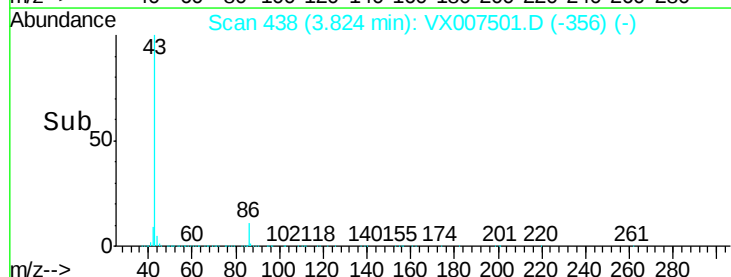
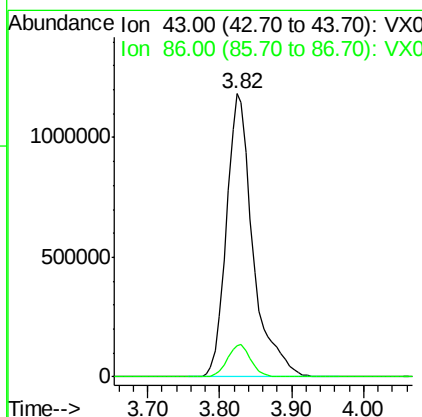
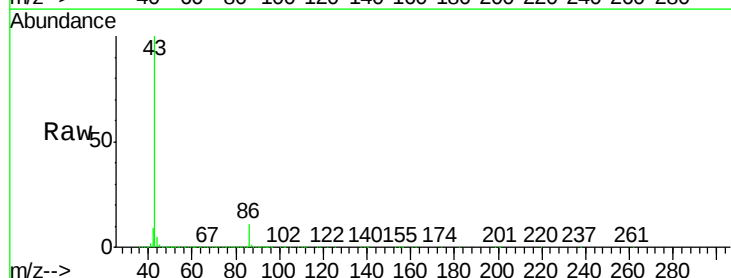
RT: 3.82 min Scan# 438

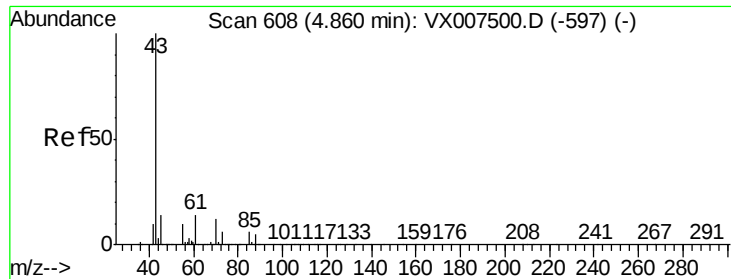
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	43	Resp:	3028930
Ion Ratio	Lower	Upper	
43	100		
86	10.1	8.2	12.2





#43

Ethyl Acetate

Concen: 53.458 ug/l m

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 330558

Ion Ratio Lower Upper

43 100

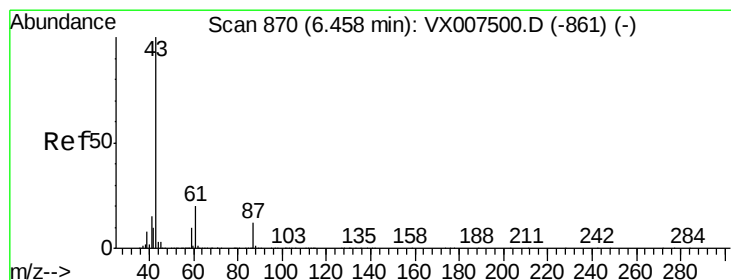
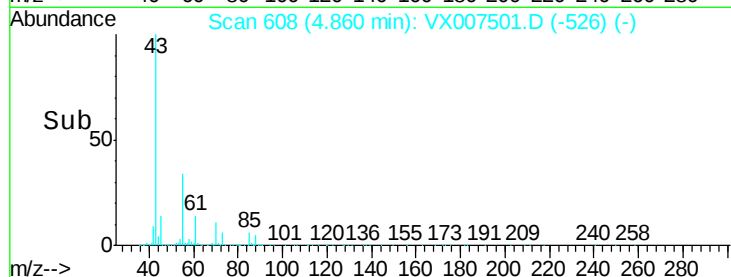
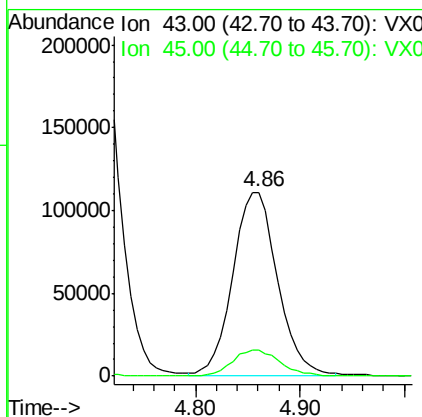
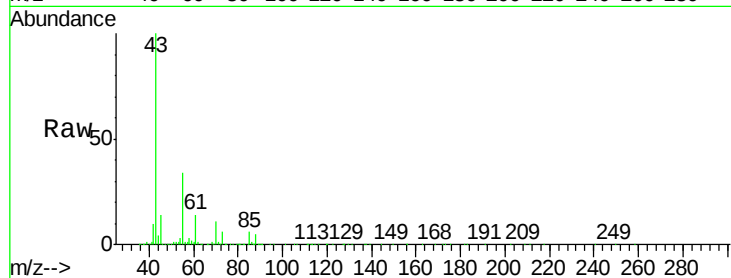
45 0.1 6.9 10.3#

Manual Integrations

APPROVED

MMDadoda

2/13/2019 11:52:45 AM



#44

Isopropyl Acetate

Concen: 53.127 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007501.D

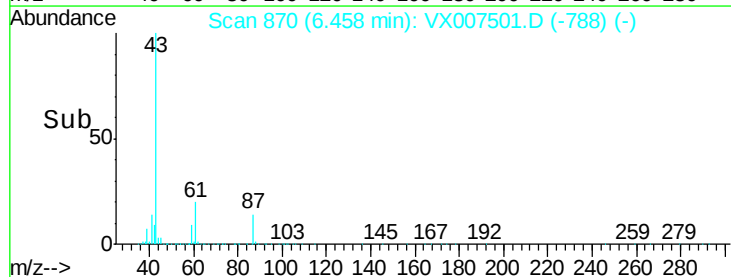
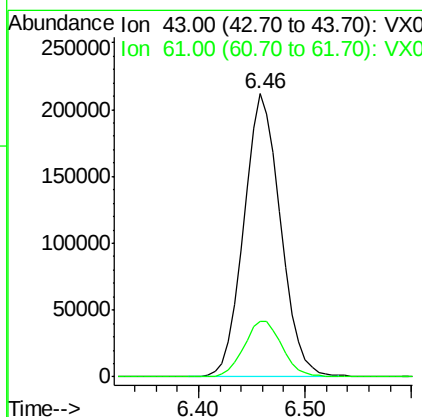
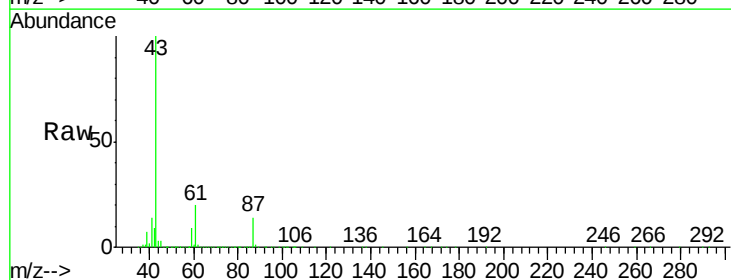
Acq: 12 Feb 2019 23:29

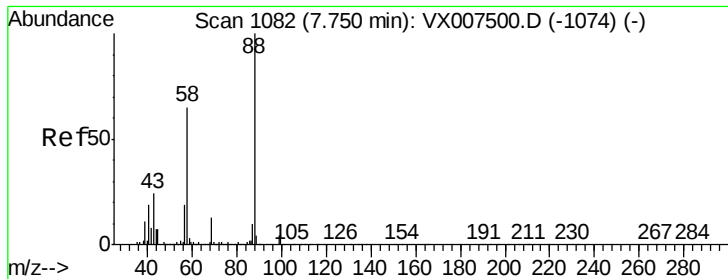
Tgt Ion: 43 Resp: 510738

Ion Ratio Lower Upper

43 100

61 20.5 16.1 24.1





#45

1,4-Dioxane

Concen: 1046.298 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

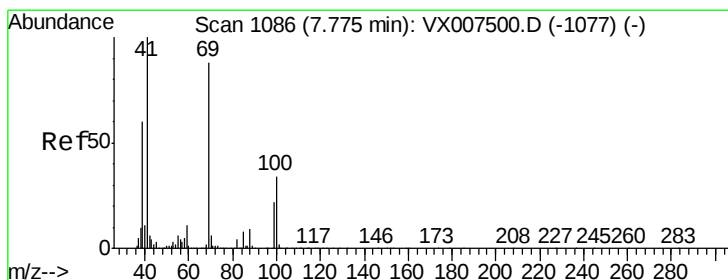
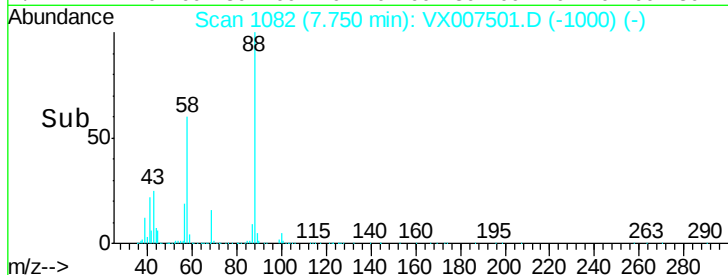
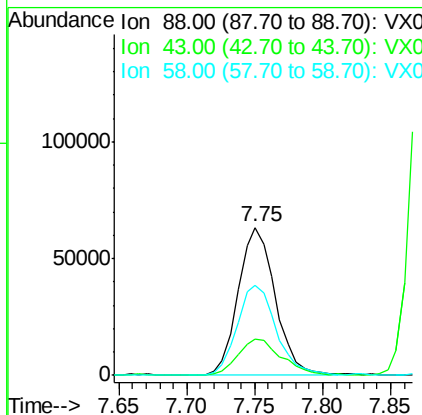
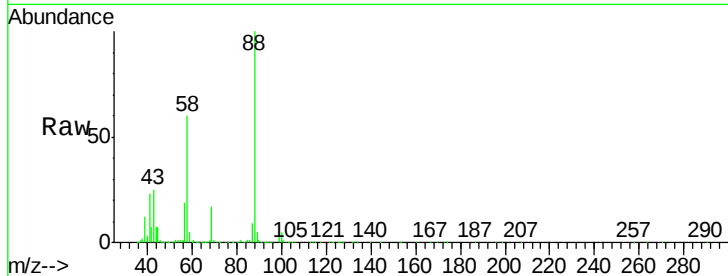
ClientSampled :

VSTDIC050

Tot Ion:	88	Resp:	120928
Ion Ratio	Lower	Upper	
88	100		
43	28.7	23.6	35.4
58	63.8	51.6	77.4

Manual Integrations
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#46

Methyl methacrylate

Concen: 53.532 ug/l

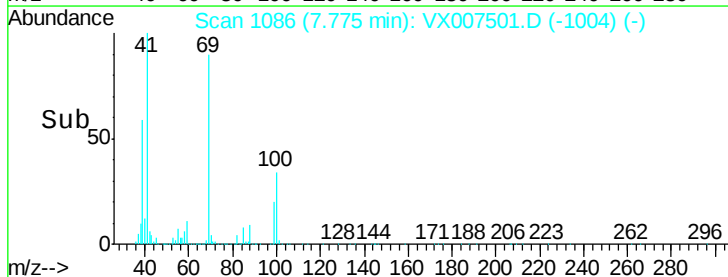
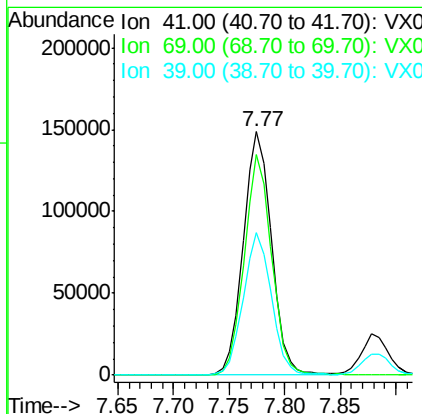
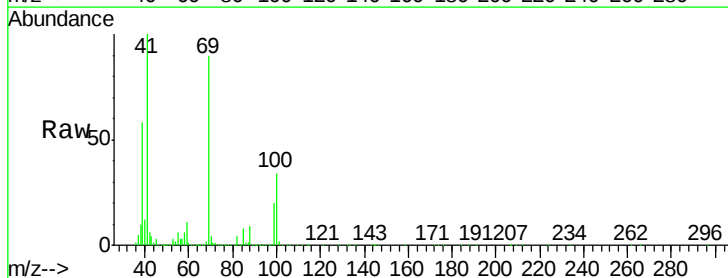
RT: 7.77 min Scan# 1086

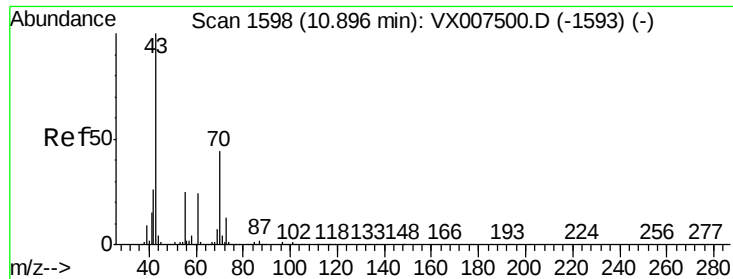
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	41	Resp:	261600
Ion Ratio	Lower	Upper	
41	100		
69	90.5	44.2	132.6
39	58.4	29.9	89.8





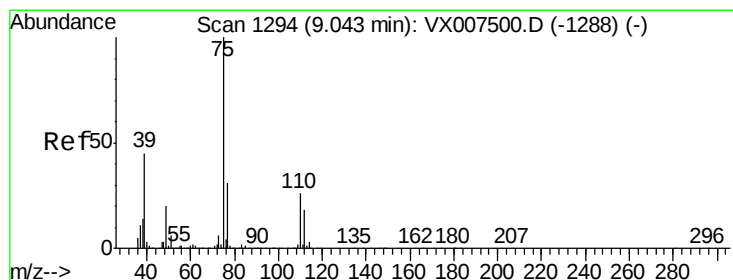
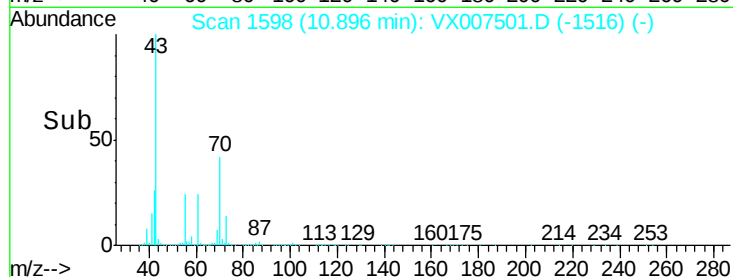
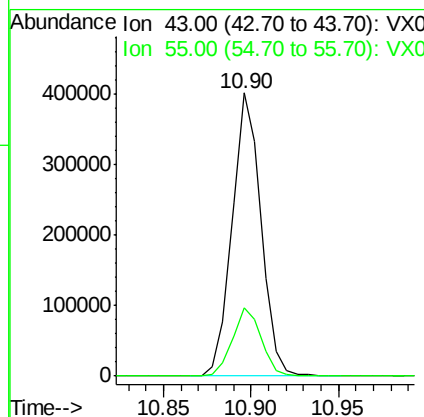
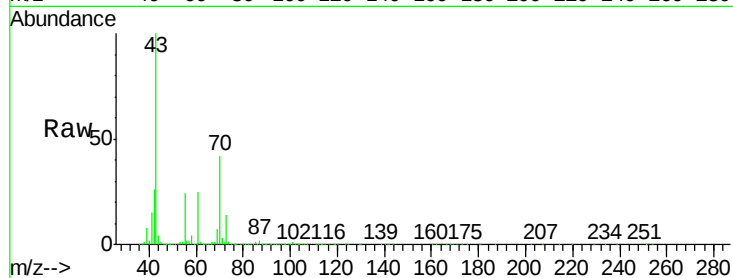
#47
 n-amvl Acetate
 Concen: 54.664 ug/l
 RT: 10.90 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
55	24.2	20.8	31.2

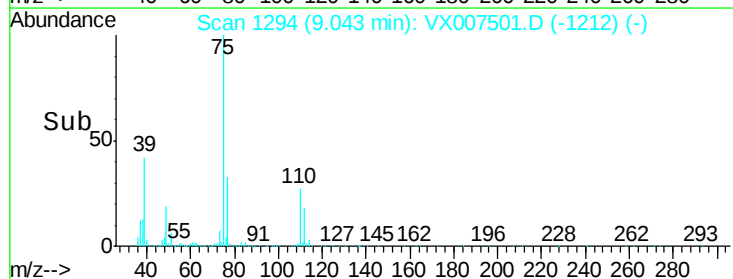
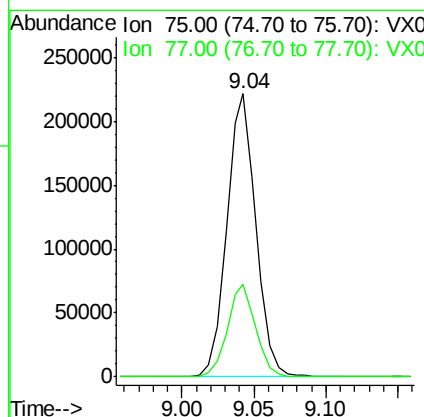
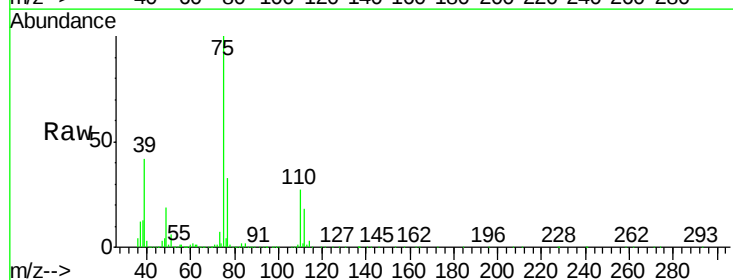
Manual Integrations
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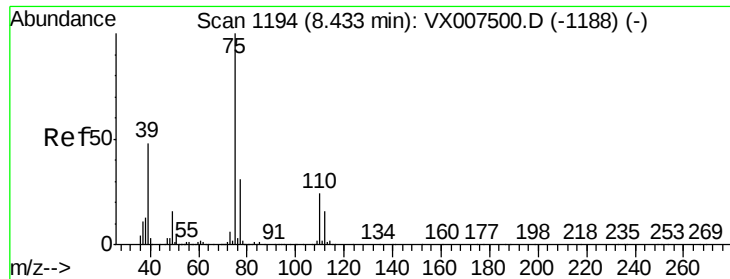
MMDadoda
 2/13/2019 11:52:45 AM



#48
 t-1,3-Dichloropropene
 Concen: 52.977 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7





#49

cis-1,3-Dichloropropene

Concen: 52.382 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

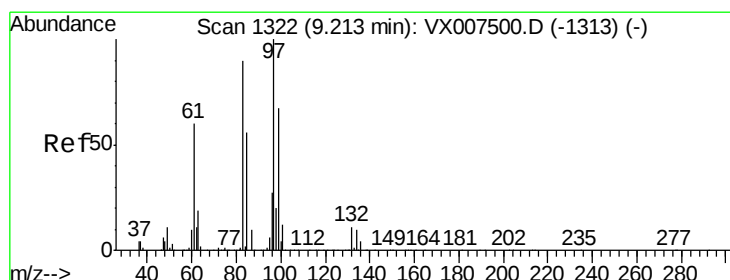
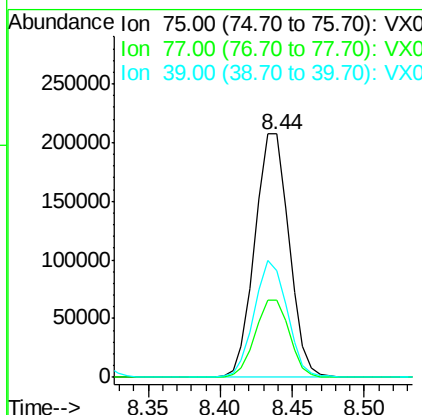
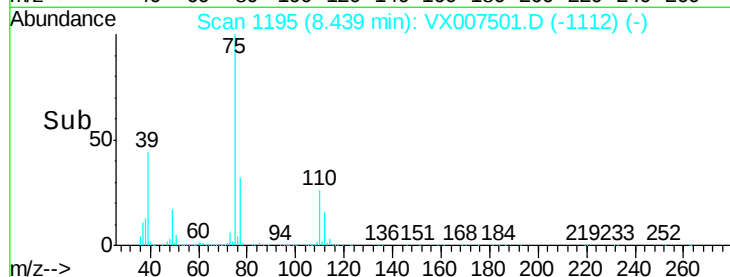
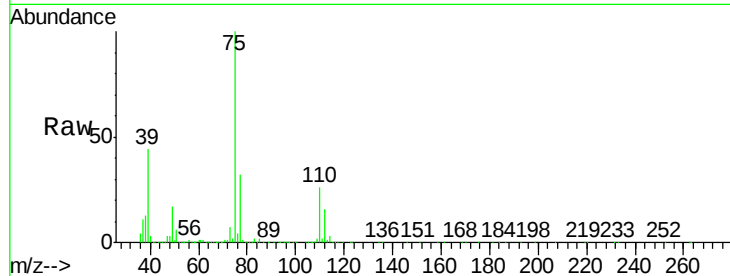
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	340922
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.0	37.4
39	43.8	38.5	57.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 52.297 ug/l

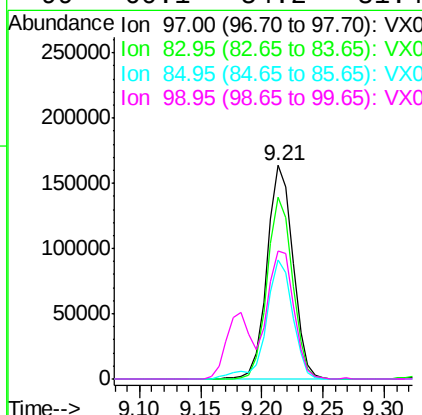
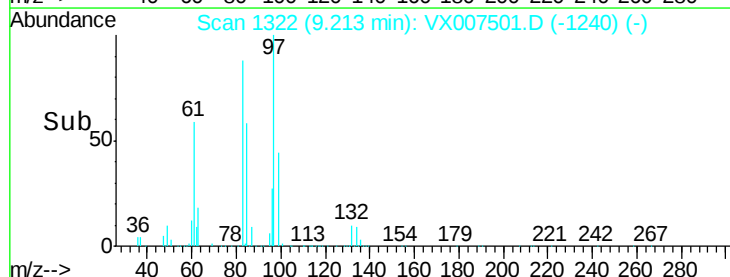
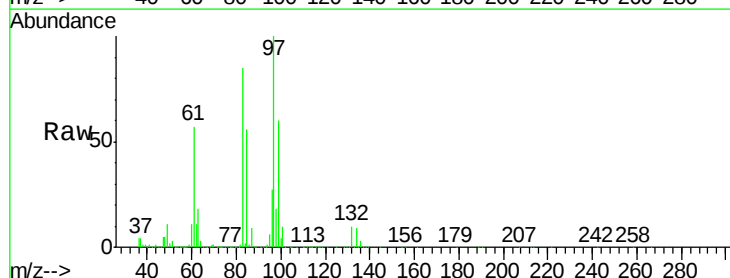
RT: 9.21 min Scan# 1322

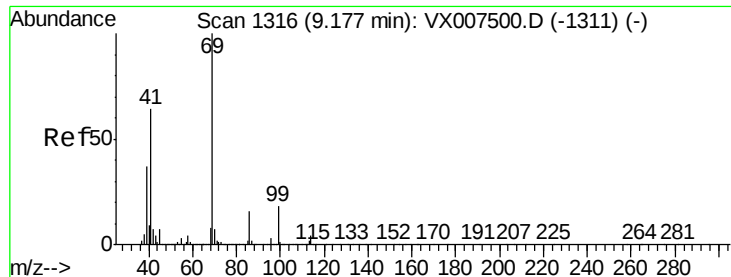
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	97	Resp:	241295
Ion Ratio	Lower	Upper	
97	100		
83	85.1	72.0	108.0
85	55.5	45.0	67.6
99	60.1	54.2	81.4





#51

Ethyl methacrylate

Concen: 53.425 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

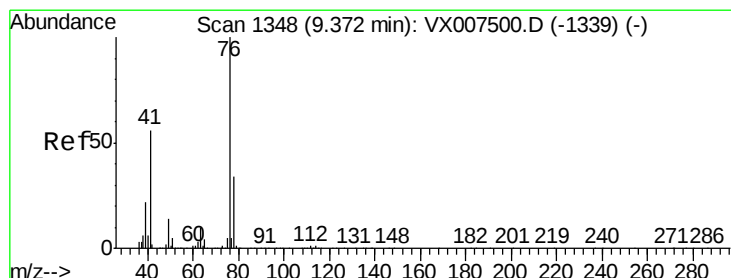
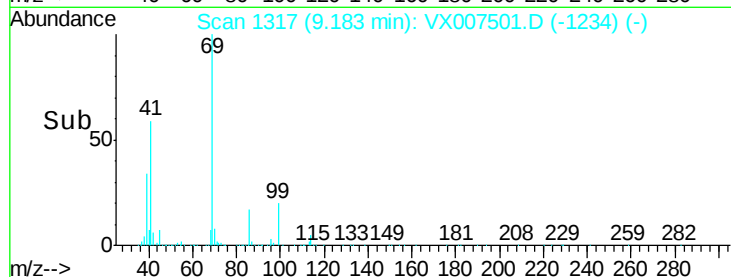
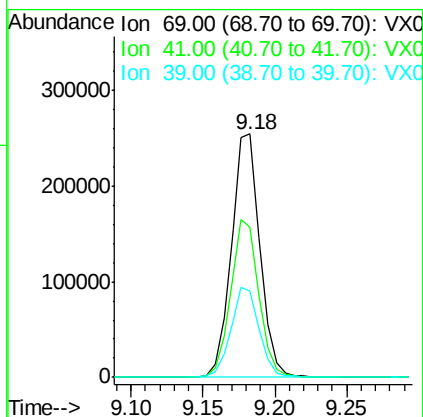
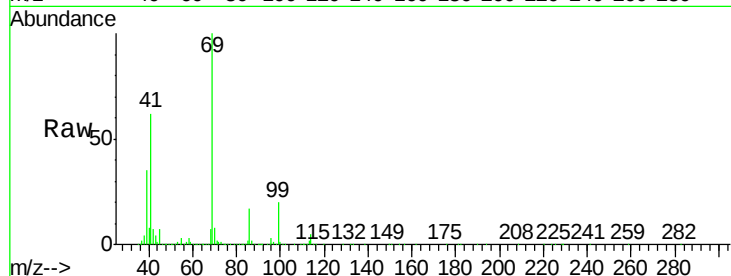
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	353362
Ion Ratio	Lower	Upper	
69	100		
41	61.5	32.1	96.5
39	35.2	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 51.831 ug/l

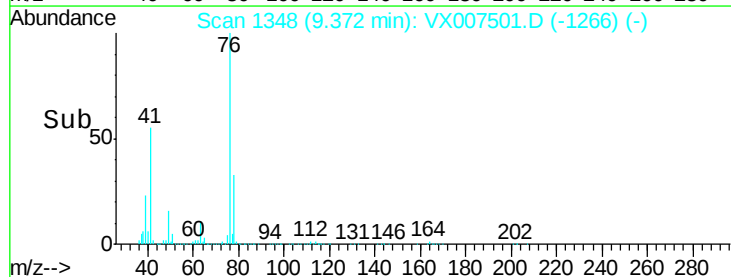
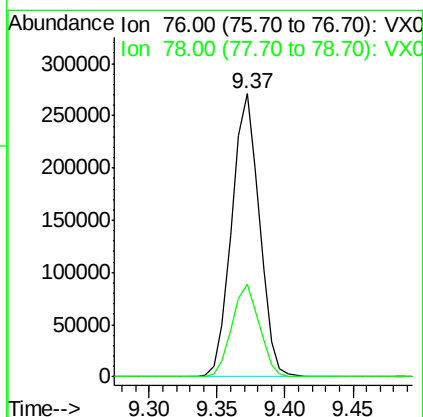
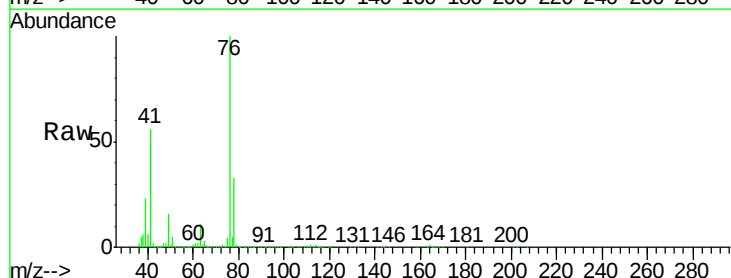
RT: 9.37 min Scan# 1348

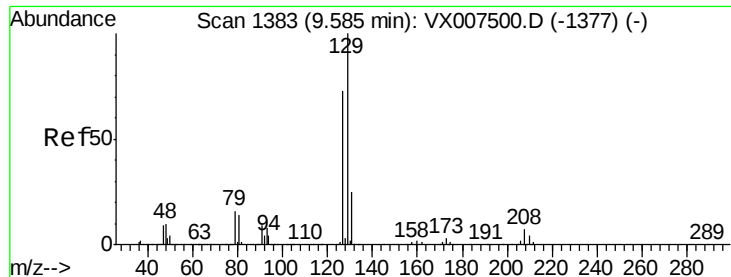
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	76	Resp:	383617
Ion Ratio	Lower	Upper	
76	100		
78	32.8	0.0	65.2





#53

Dibromochloromethane

Concen: 55.204 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 257977

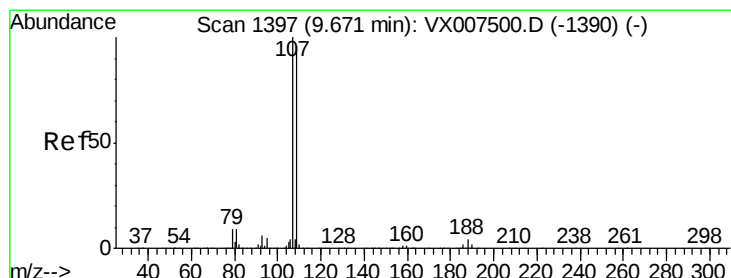
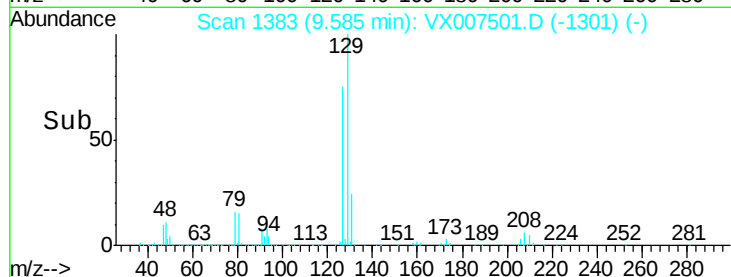
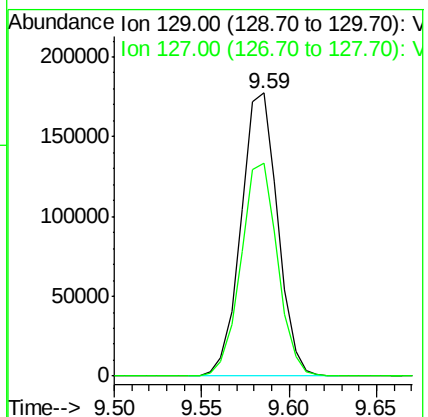
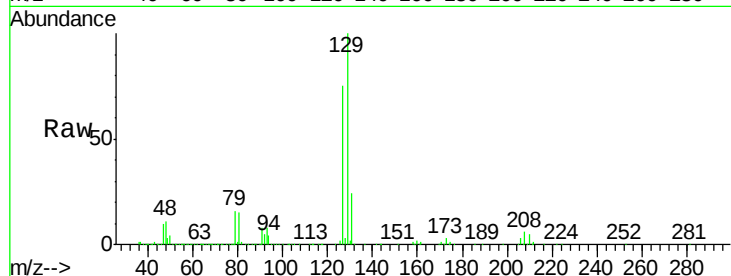
Ion Ratio Lower Upper

129 100

127 75.2 38.4 115.2

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#54

1,2-Dibromoethane

Concen: 52.893 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007501.D

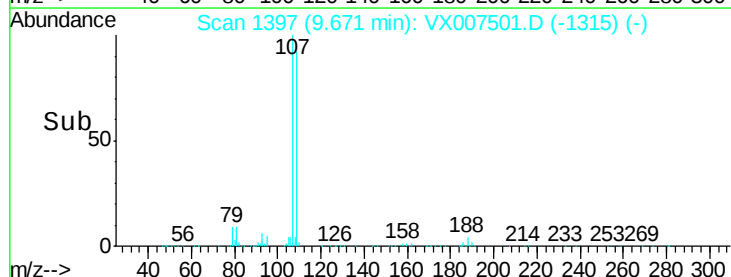
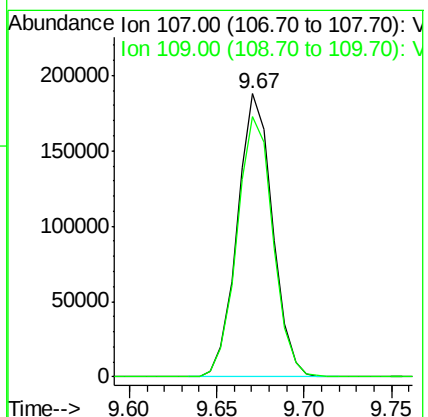
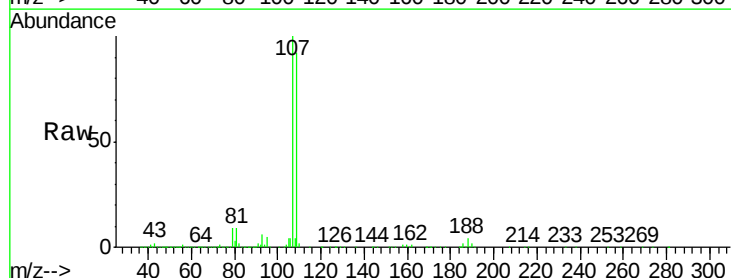
Acq: 12 Feb 2019 23:29

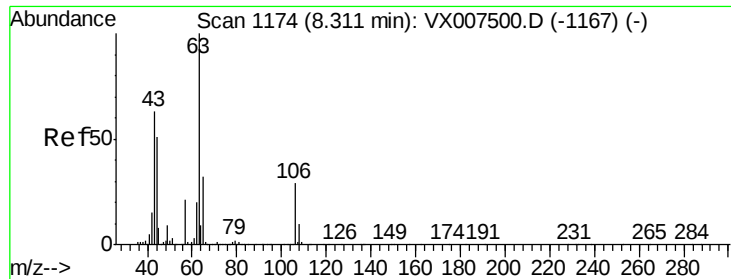
Tgt Ion:107 Resp: 262171

Ion Ratio Lower Upper

107 100

109 94.1 76.6 115.0





#55

2-Chloroethyl vinyl ether

Concen: 247.879 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 881083

Ion Ratio Lower Upper

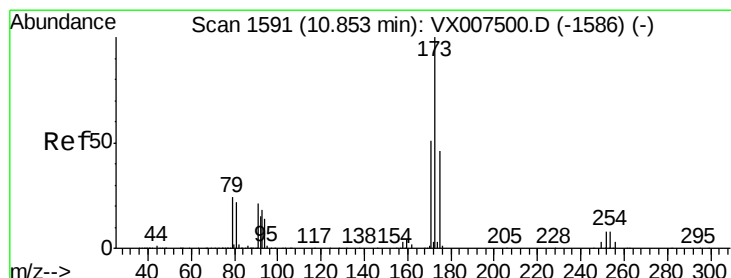
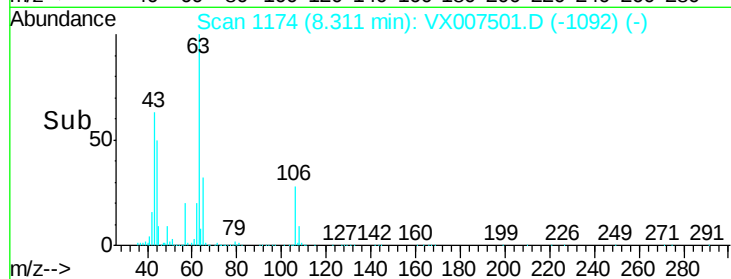
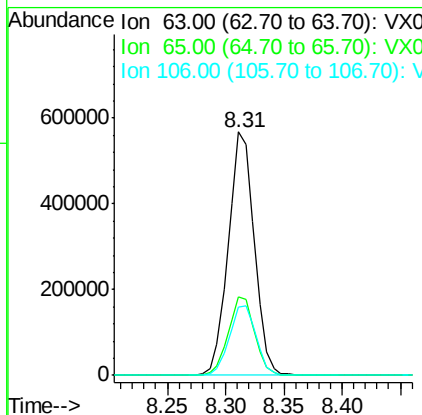
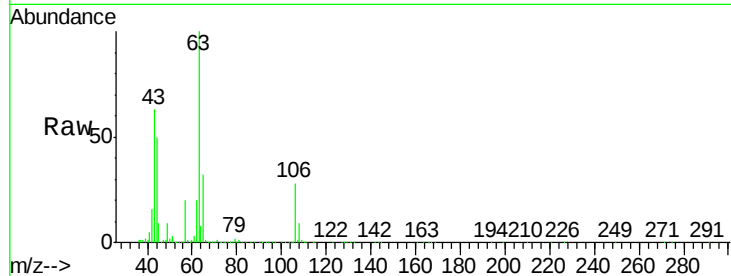
63 100

65 32.7 25.7 38.5

106 29.8 23.7 35.5

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#56

Bromoform

Concen: 55.326 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

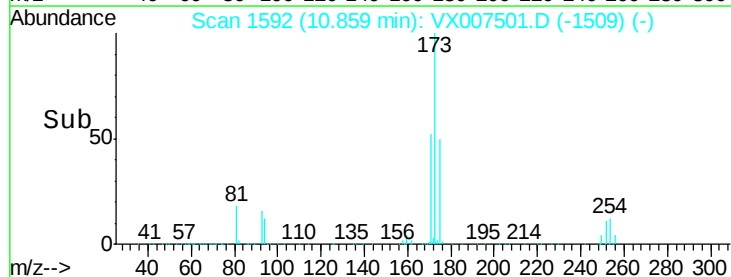
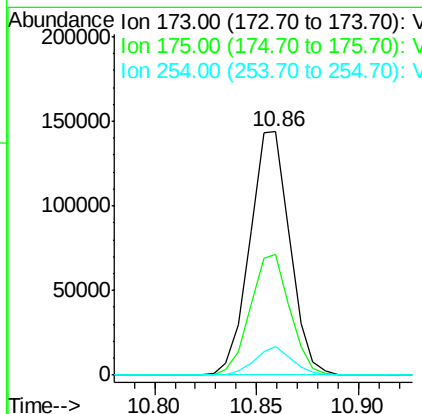
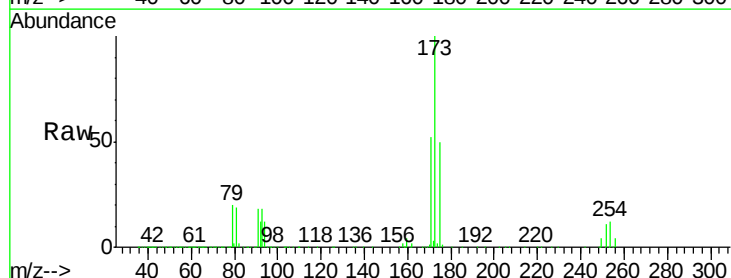
Tgt Ion: 173 Resp: 196626

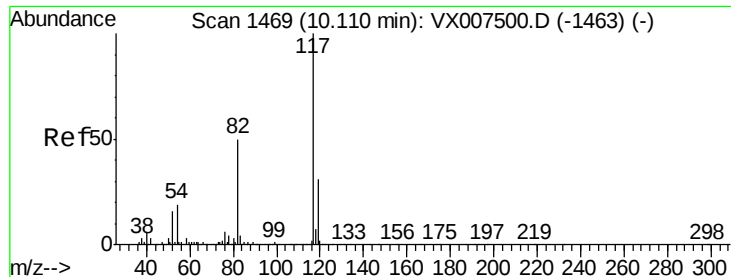
Ion Ratio Lower Upper

173 100

175 49.0 38.5 57.7

254 10.4 7.4 11.2





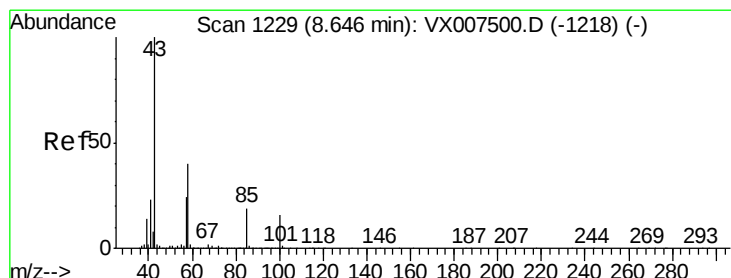
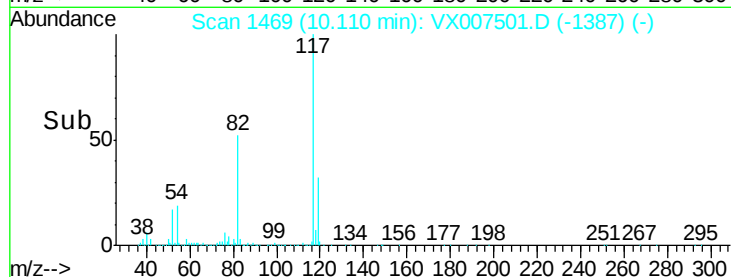
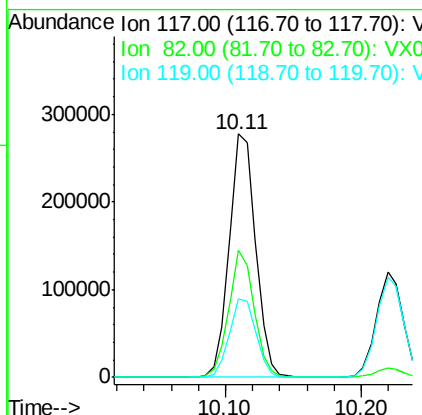
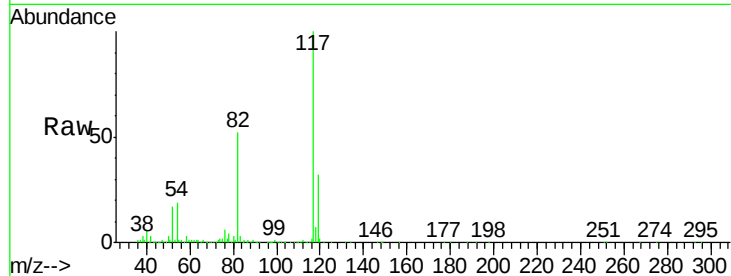
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	376111		
82	50.0		40.4	60.6
119	32.9		25.8	38.6

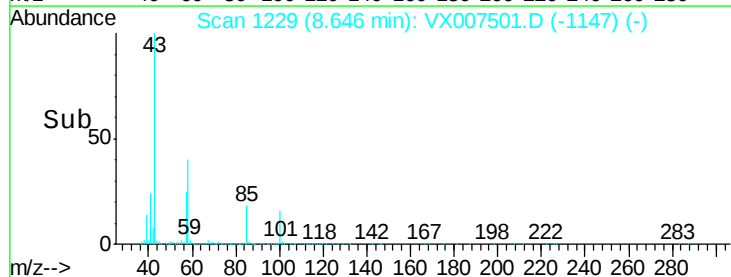
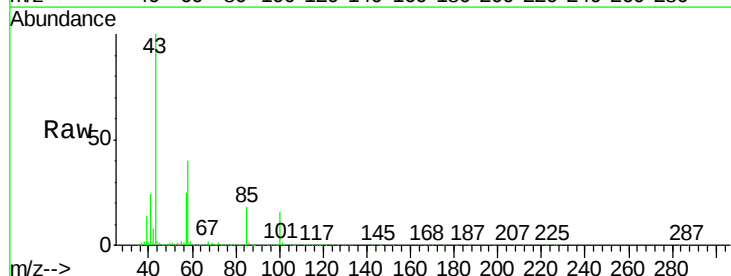
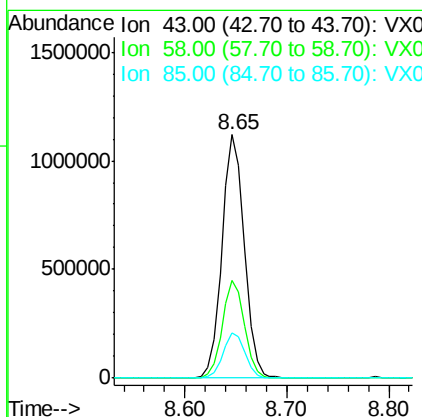
Manual Integrations
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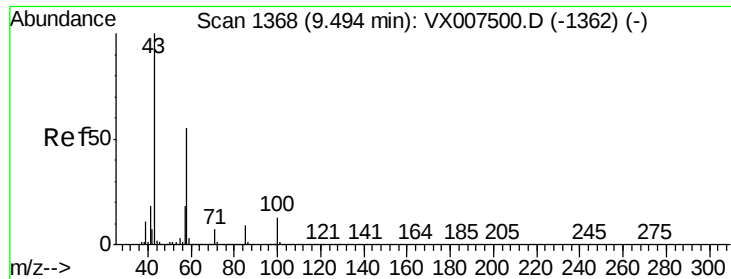
MMDadoda
2/13/2019 11:52:45 AM



#58
4-Methyl-2-Pentanone
Concen: 266.219 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1703887		
58	39.4		31.4	47.0
85	18.5		15.0	22.6





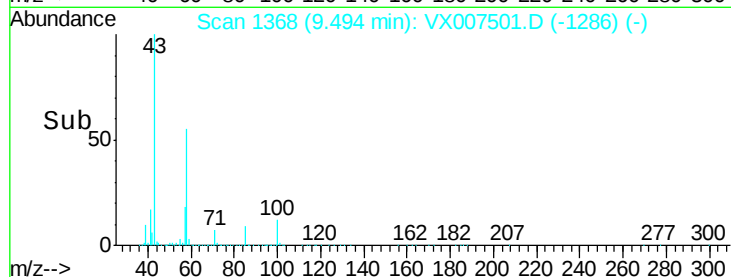
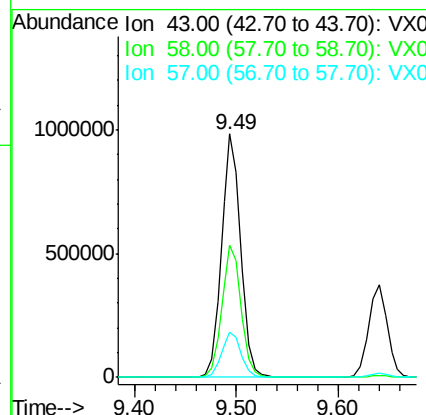
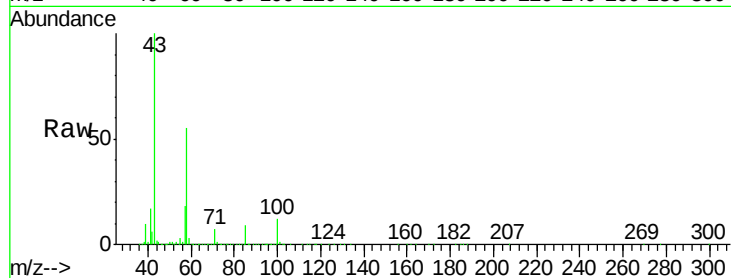
#59
2-Hexanone
Concen: 264.224 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.9	65.9
57	18.6	14.9	22.3

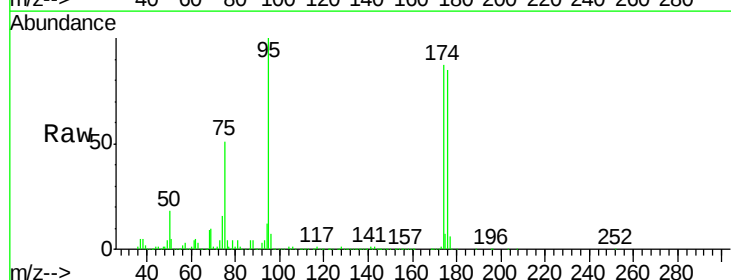
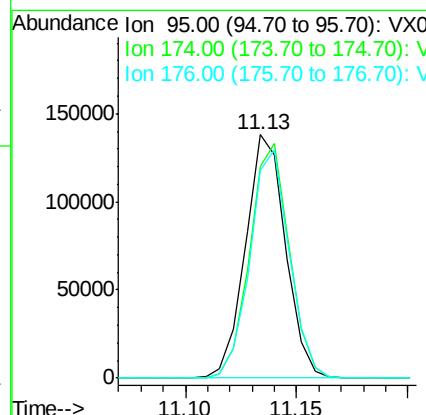
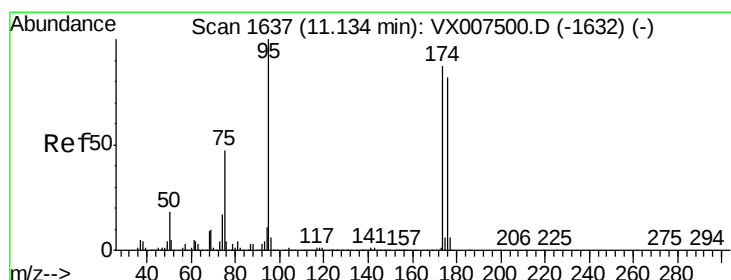
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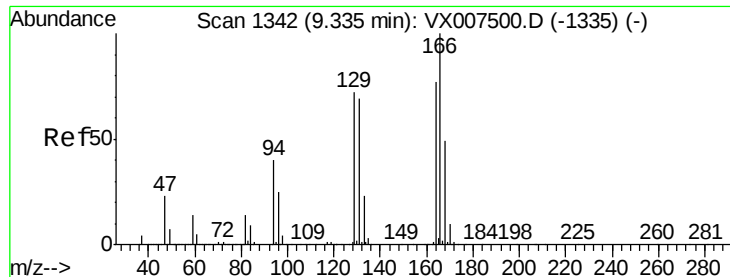
MMDadoda
2/13/2019 11:52:45 AM



#60
4-Bromofluorobenzene
Concen: 29.936 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.2	74.9	112.3
176	92.2	70.7	106.1





#61

Tetrachloroethene

Concen: 50.117 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 261572

Ion Ratio Lower Upper

164 100

166 128.3 103.9 155.9

129 91.8 74.7 112.1

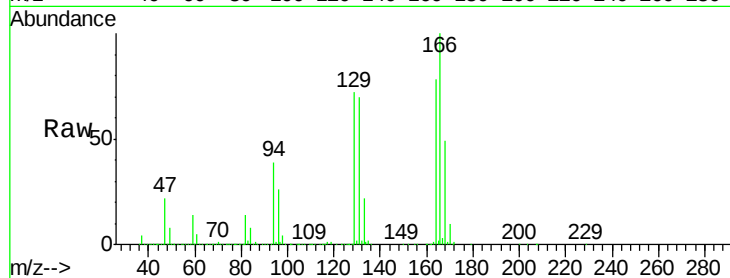
131 89.5 71.7 107.5

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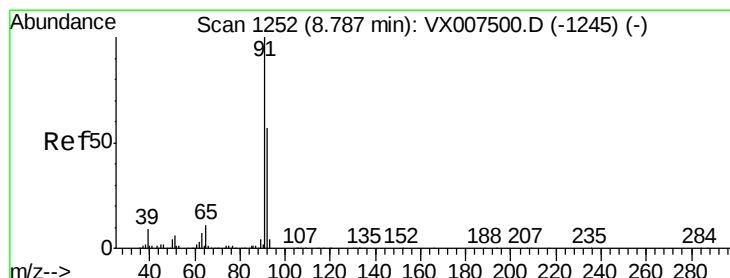
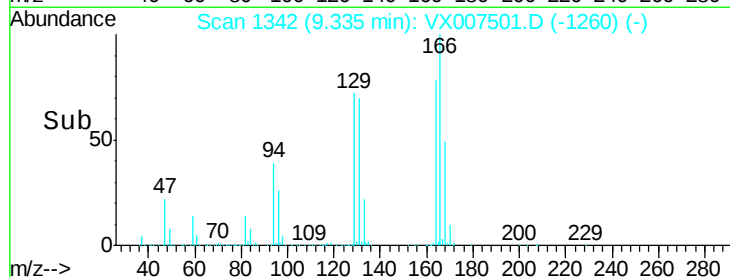
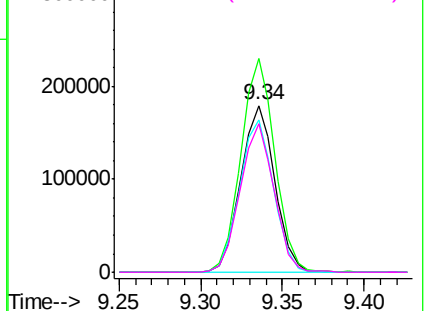


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 51.964 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007501.D

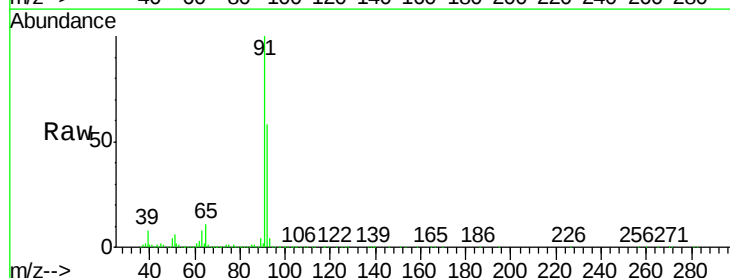
Acq: 12 Feb 2019 23:29

Tgt Ion: 91 Resp: 1002320

Ion Ratio Lower Upper

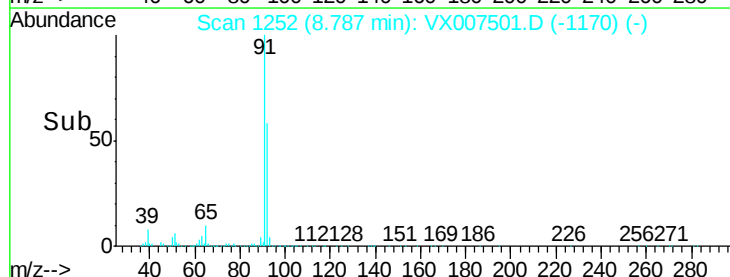
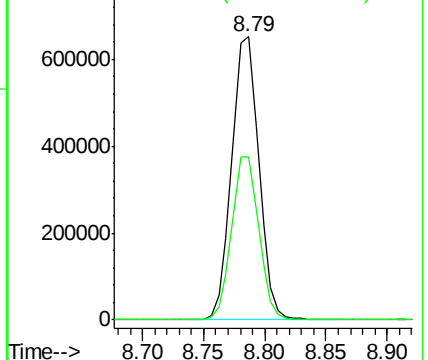
91 100

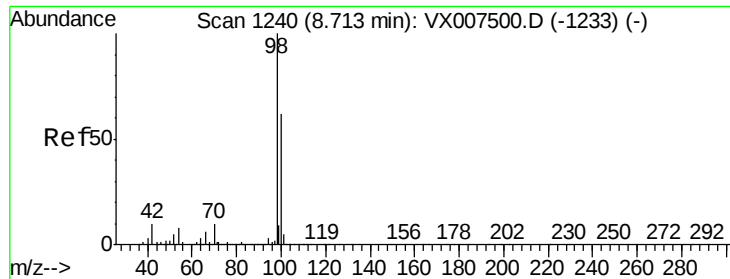
92 57.8 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.726 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 504013

Ion Ratio Lower Upper

98 100

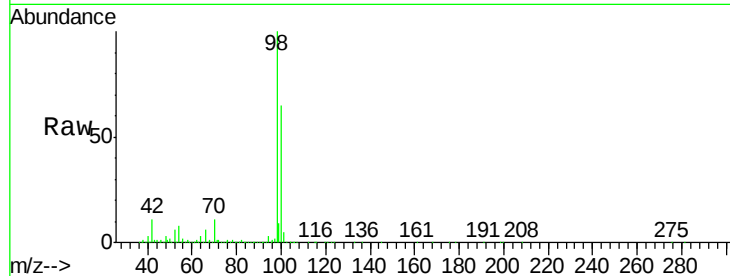
100 63.6 50.9 76.3

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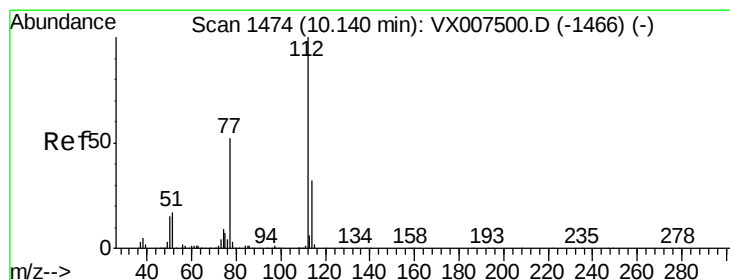
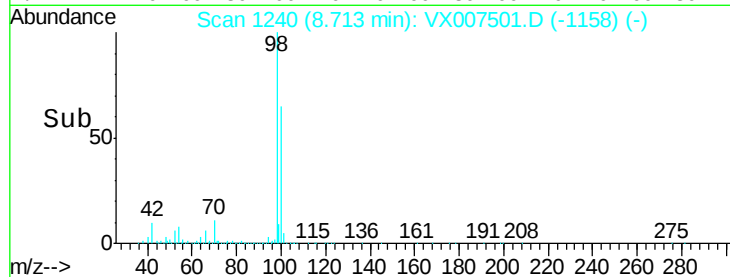
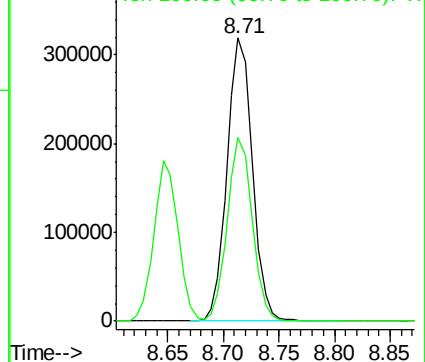
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#64

Chlorobenzene

Concen: 52.014 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007501.D

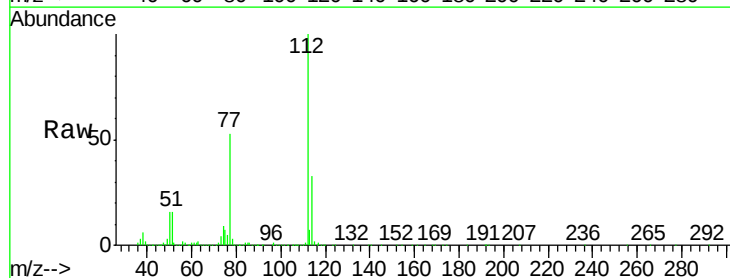
Acq: 12 Feb 2019 23:29

Tgt Ion: 112 Resp: 661111

Ion Ratio Lower Upper

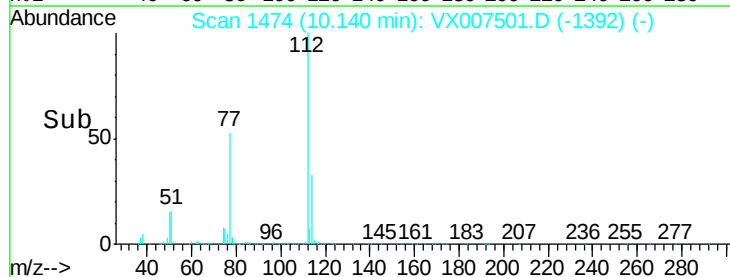
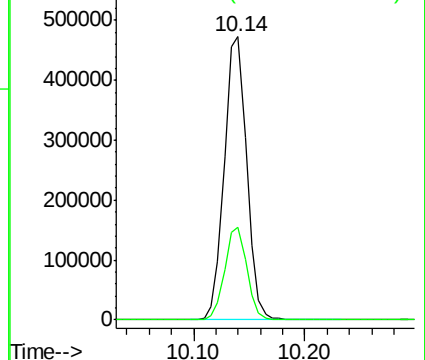
112 100

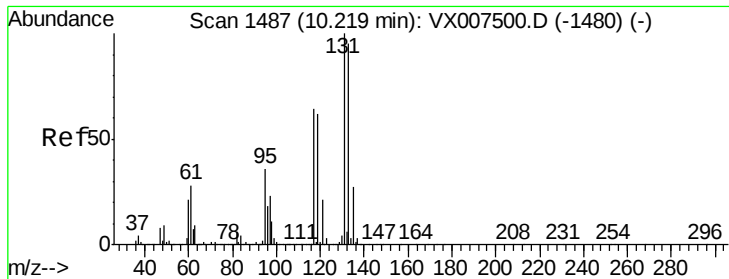
114 32.7 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 52.419 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

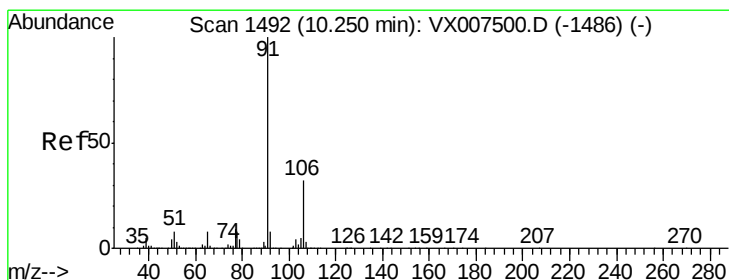
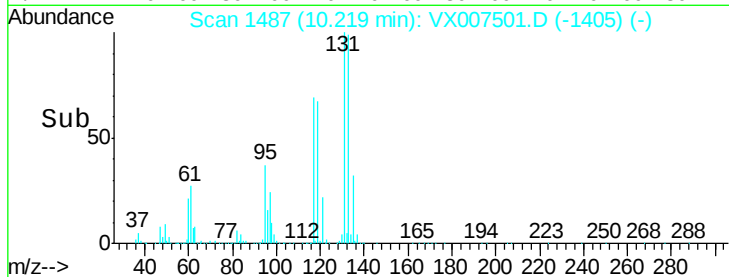
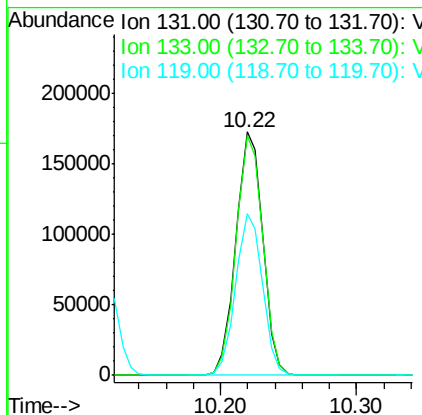
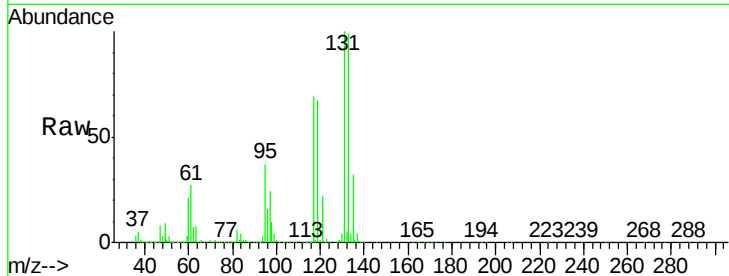
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	237370
Ion Ratio	Lower	Upper	
131	100		
133	98.2	0.0	191.6
119	66.3	0.0	127.4

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#66

Ethyl Benzene

Concen: 52.975 ug/l

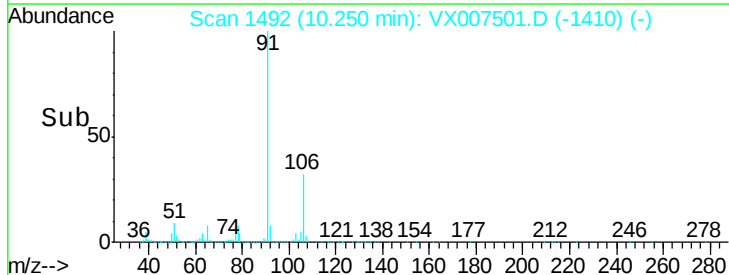
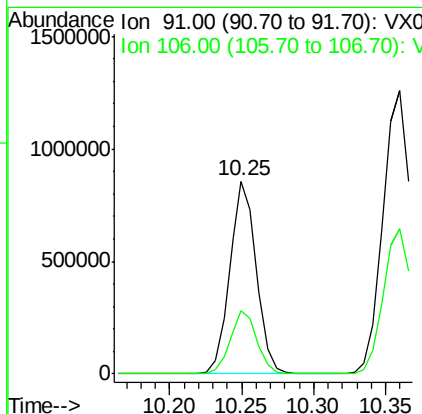
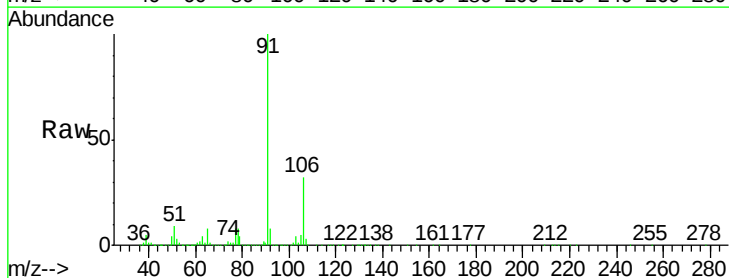
RT: 10.25 min Scan# 1492

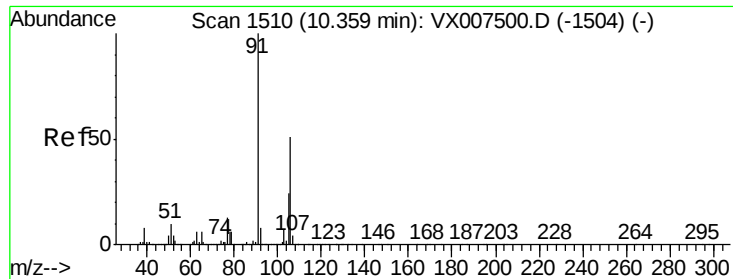
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	91	Resp:	1100183
Ion Ratio	Lower	Upper	
91	100		
106	32.4	26.0	39.0





#67

m/p-Xylenes

Concen: 105.331 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion:106 Resp: 861460

Ion Ratio Lower Upper

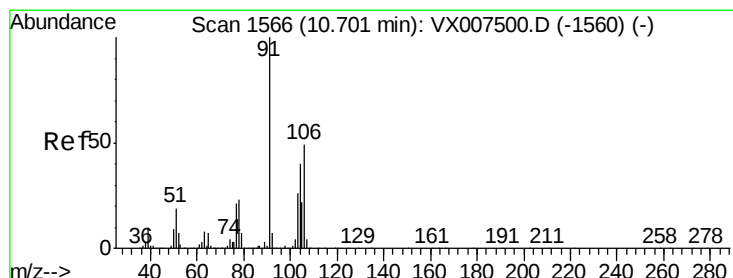
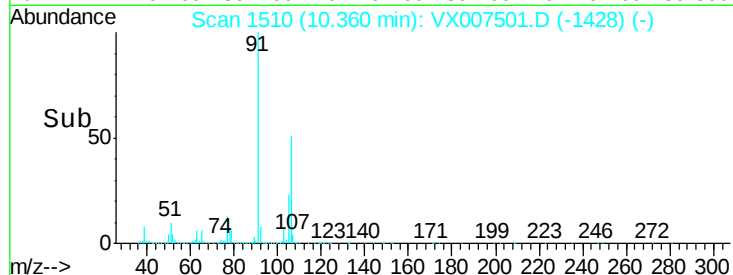
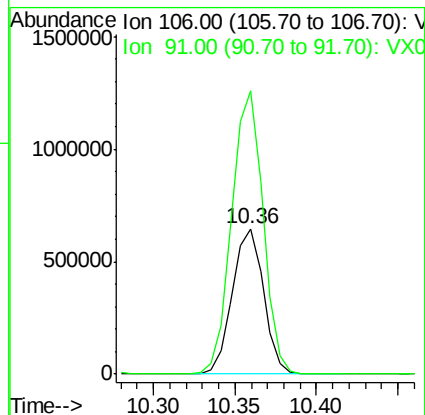
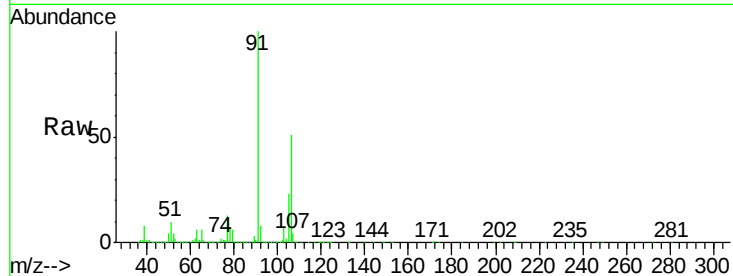
106 100

91 195.3 157.0 235.4

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#68

o-Xylene

Concen: 51.957 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX007501.D

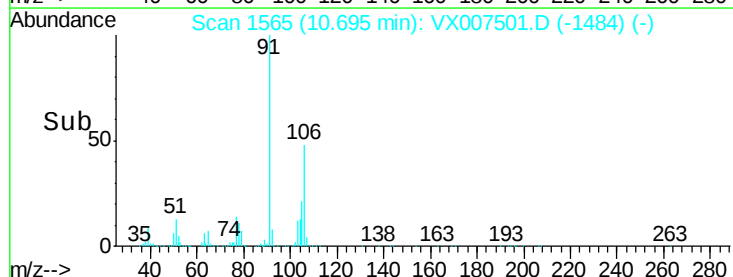
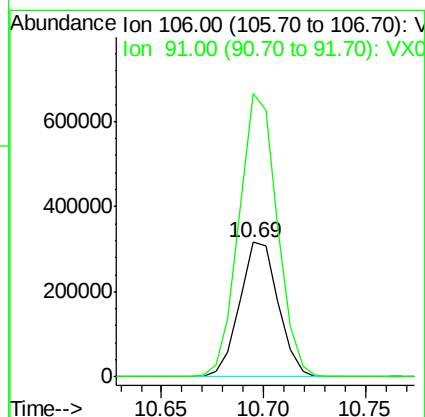
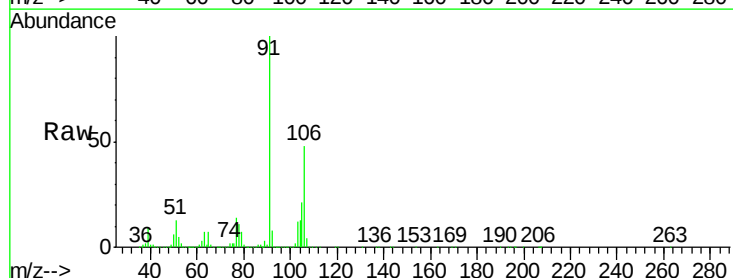
Acq: 12 Feb 2019 23:29

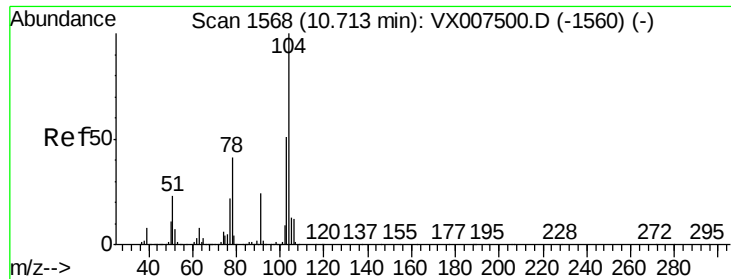
Tgt Ion:106 Resp: 416406

Ion Ratio Lower Upper

106 100

91 207.6 104.4 313.2





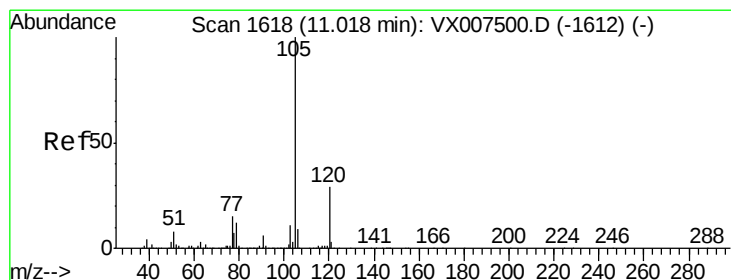
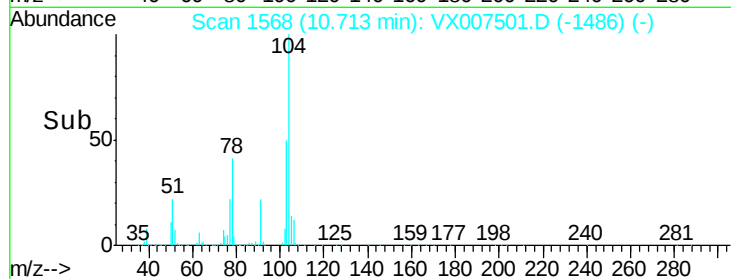
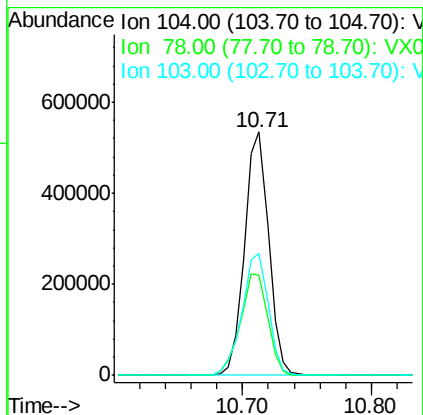
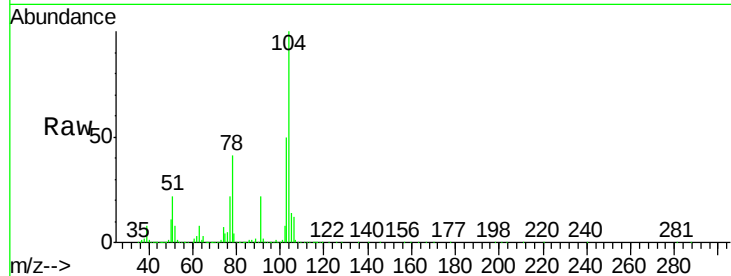
#69
Stvrene
Concen: 53.050 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.2	57.2
103	55.2	45.0	67.4

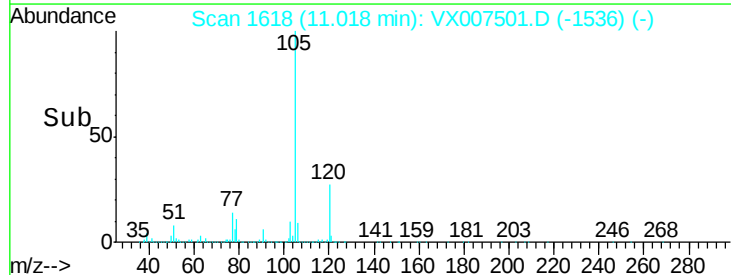
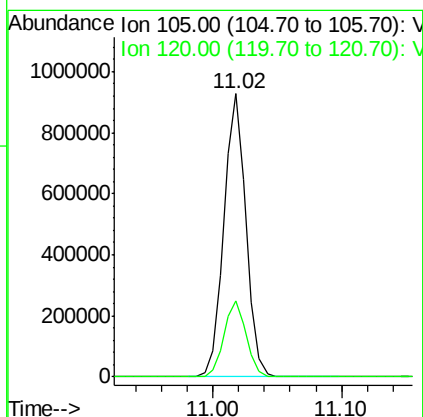
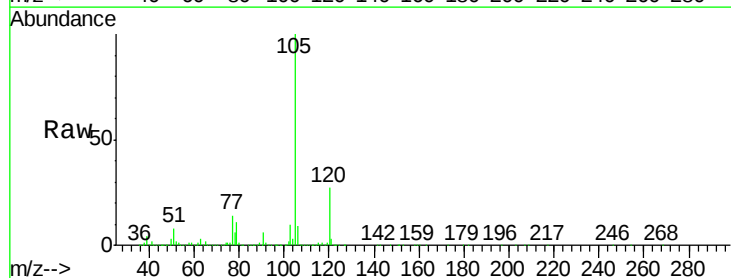
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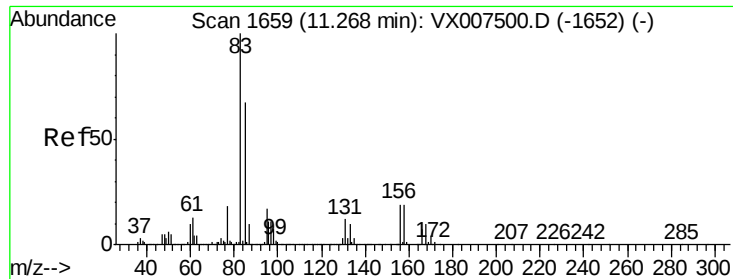
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#70
Isopropylbenzene
Concen: 52.785 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.8	36.8





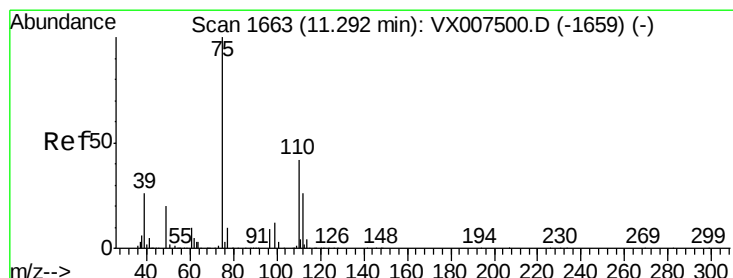
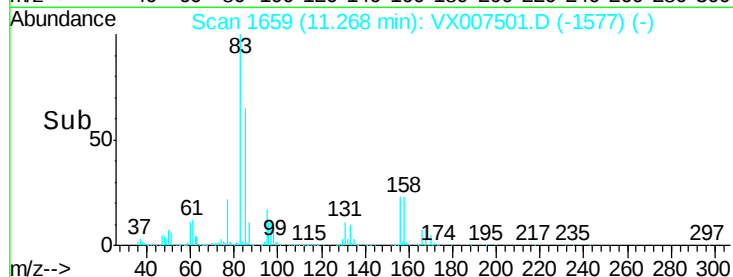
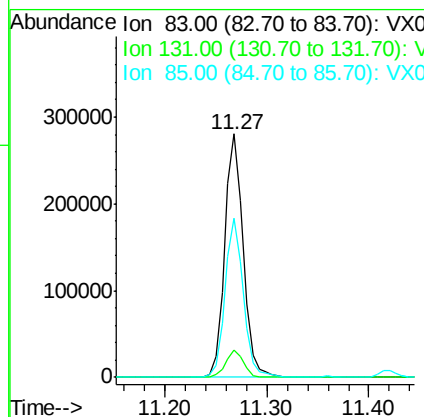
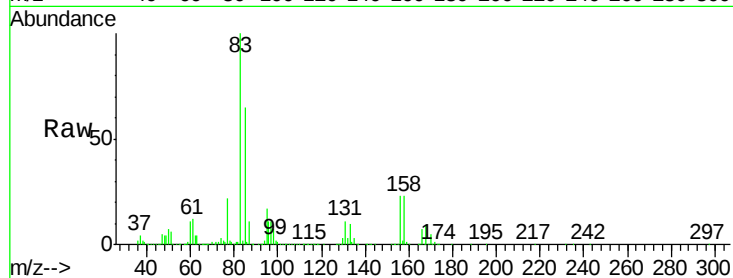
#71
 1,1,2,2-Tetrachloroethane
 Concen: 51.732 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	354687		
131	10.9	5.4	16.2	
85	64.4	32.8	98.4	

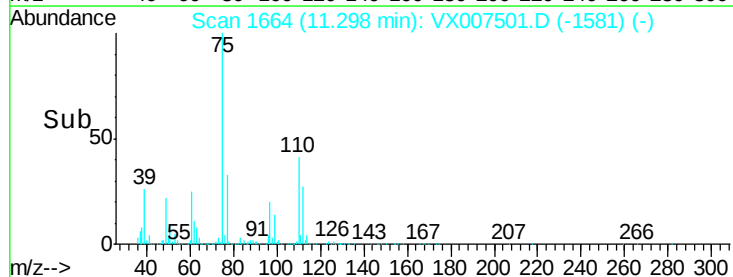
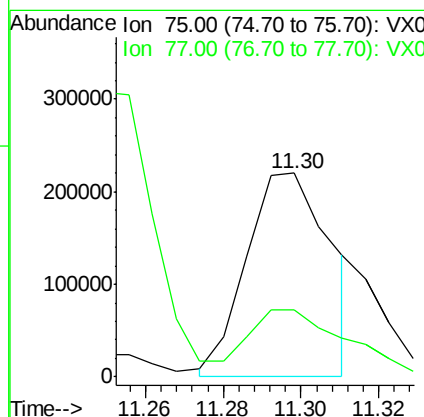
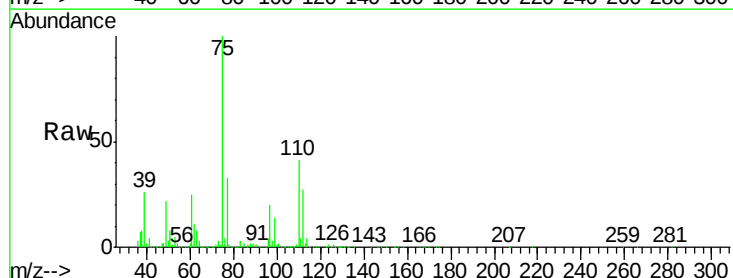
Manual Integrations
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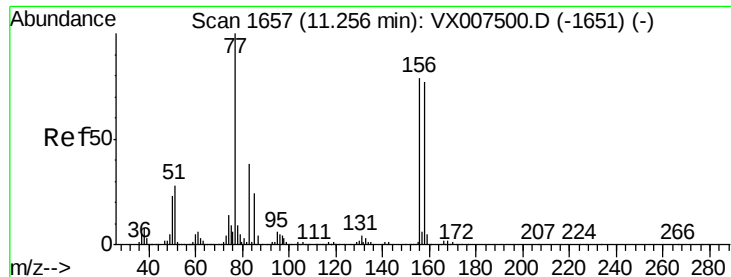
MMDadoda
 2/13/2019 11:52:45 AM



#72
 1,2,3-Trichloropropane
 Concen: 51.835 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	331364		
77	39.9	0.0	76.4	





#73

Bromobenzene

Concen: 51.258 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

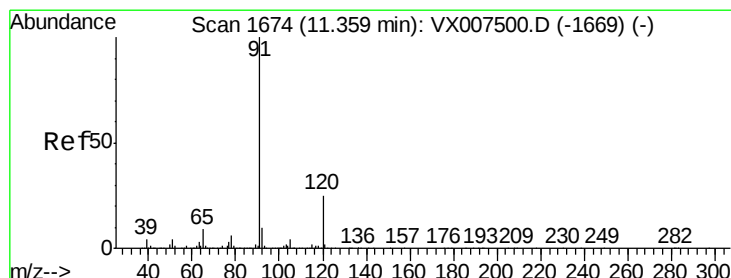
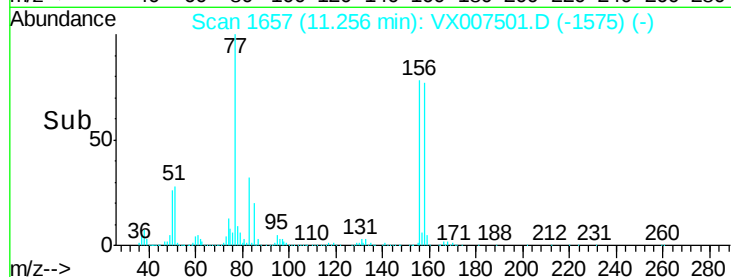
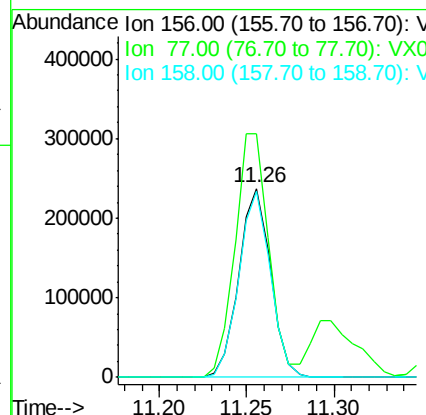
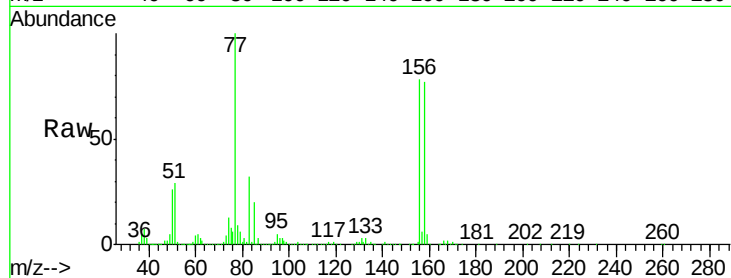
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.5	0.0	271.4
158	97.8	0.0	194.0

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#74

n-propylbenzene

Concen: 52.398 ug/l

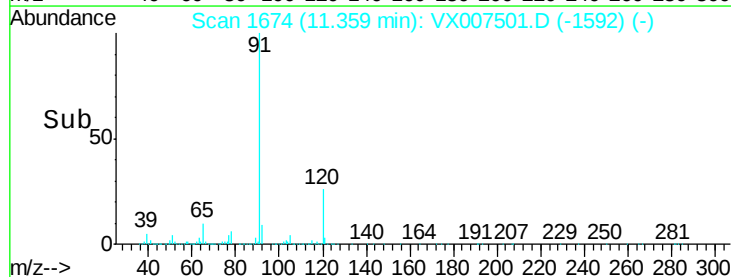
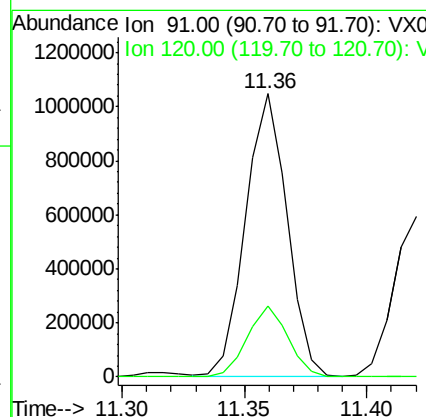
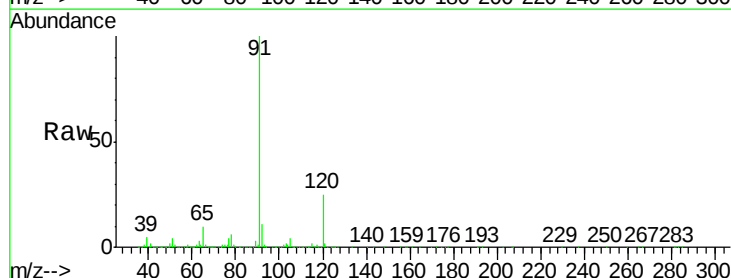
RT: 11.36 min Scan# 1674

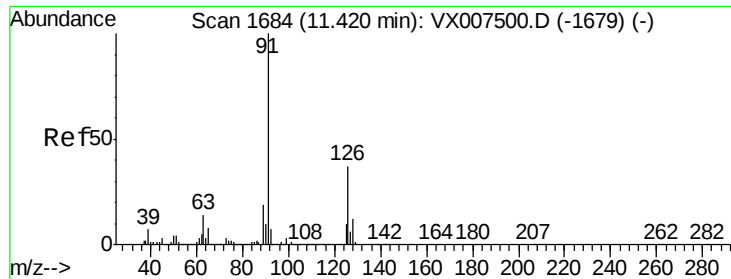
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	0.0	48.6





#75

2-Chlorotoluene

Concen: 51.952 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 733044

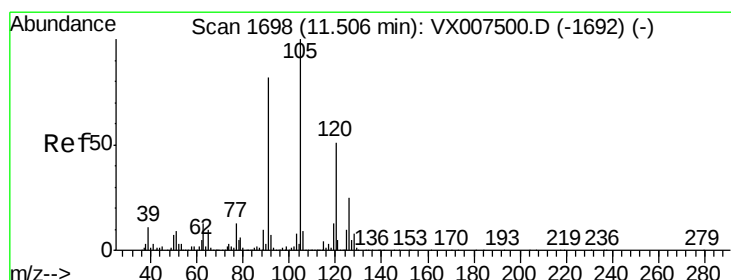
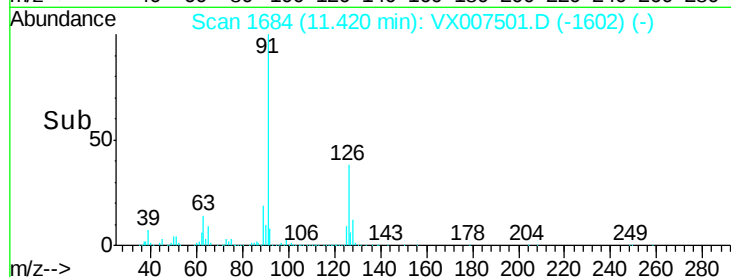
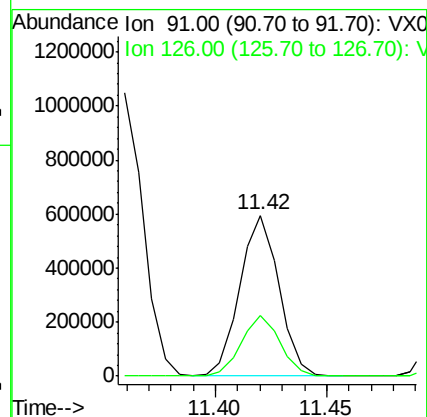
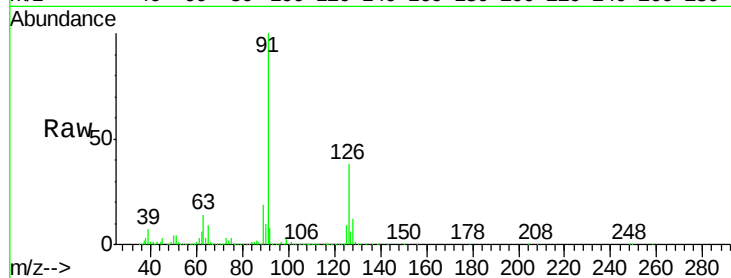
Ion Ratio Lower Upper

91 100

126 37.0 0.0 75.2

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#76

1,3,5-Trimethylbenzene

Concen: 51.491 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007501.D

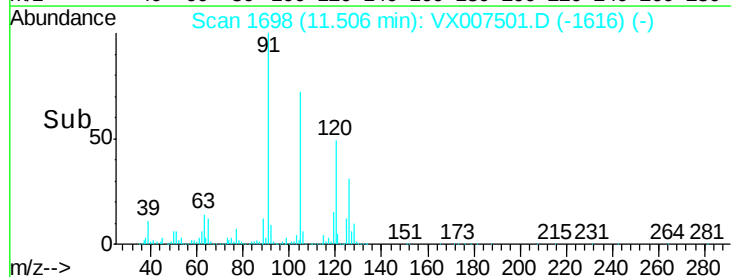
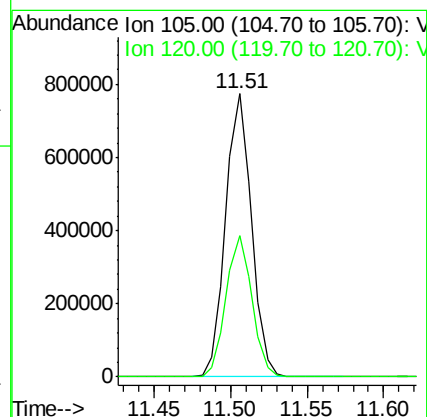
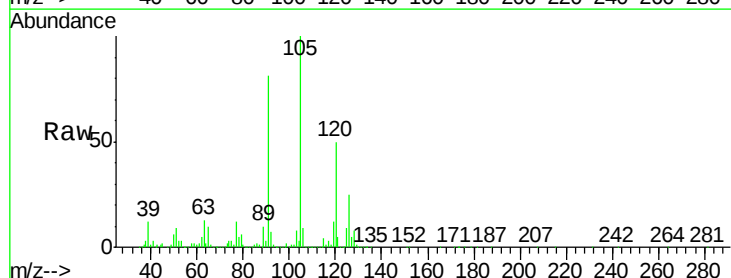
Acq: 12 Feb 2019 23:29

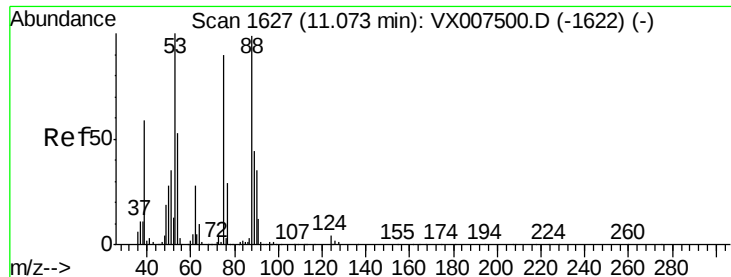
Tgt Ion: 105 Resp: 906218

Ion Ratio Lower Upper

105 100

120 49.8 0.0 101.0





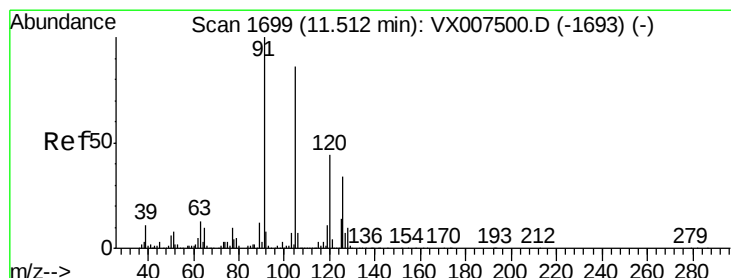
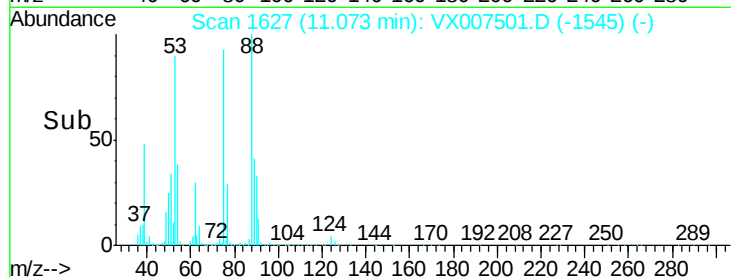
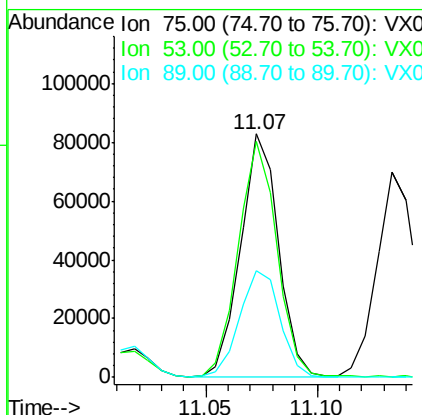
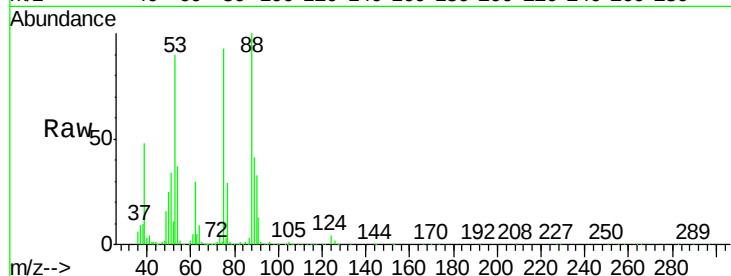
#77
t-1,4-Dichloro-2-butene
Concen: 52.605 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.7	55.5	166.7
89	43.8	24.4	73.2

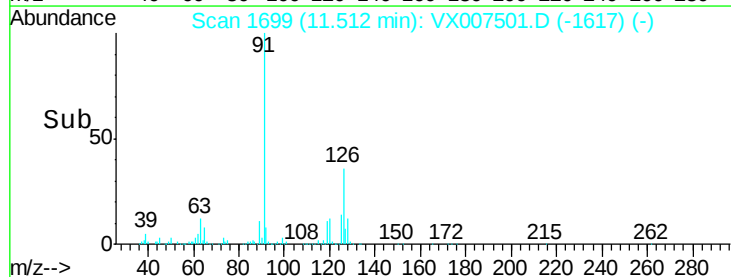
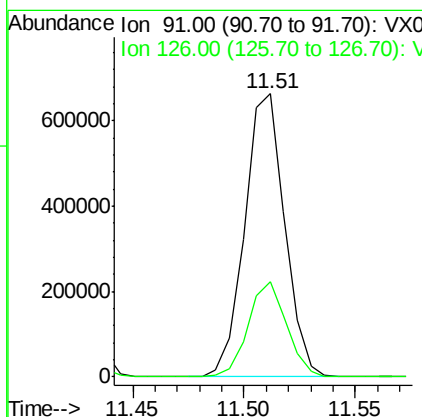
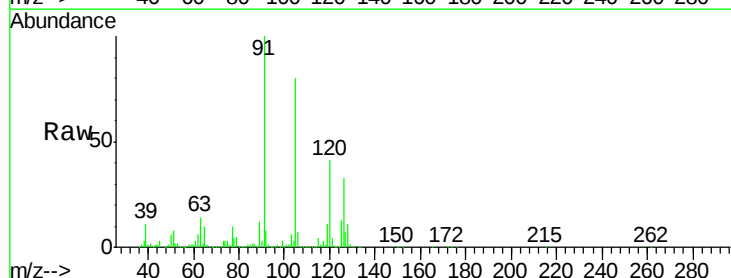
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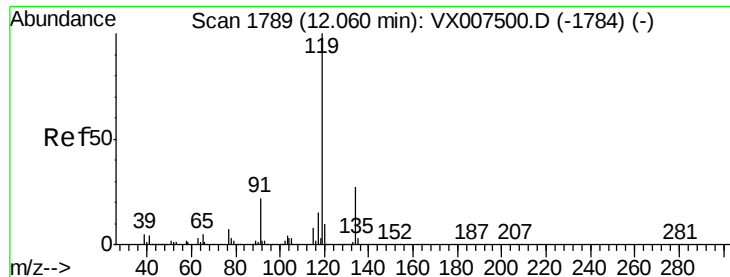
MMDadoda
2/13/2019 11:52:45 AM



#78
4-Chlorotoluene
Concen: 50.913 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	0.0	66.2





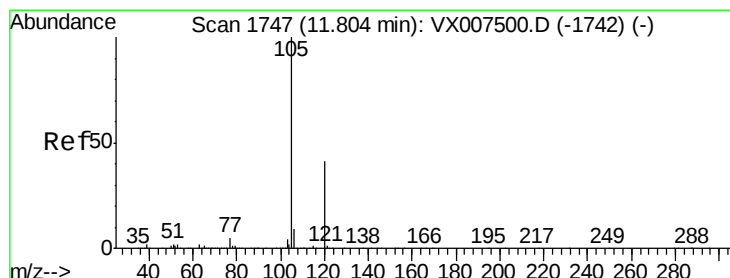
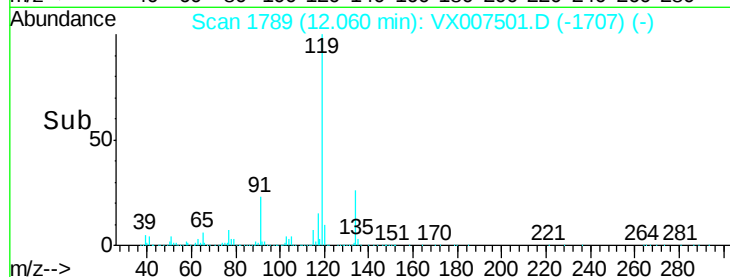
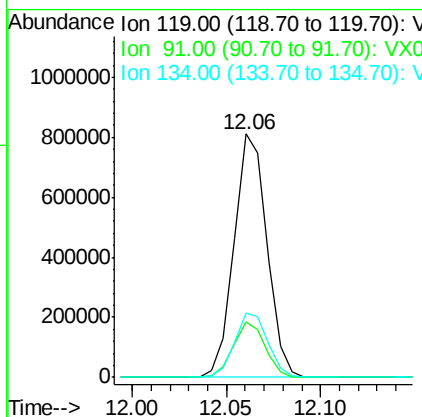
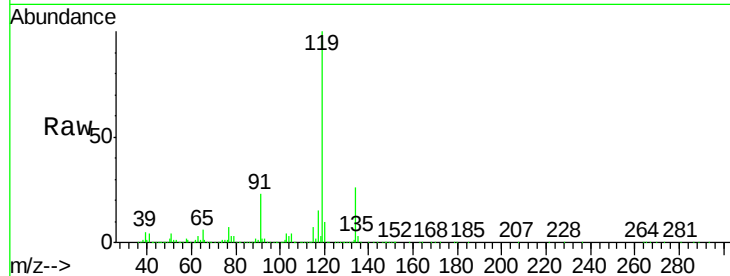
#79
tert-butylbenzene
Concen: 51.543 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	979612		
91	22.2	0.0	45.0	
134	26.7	0.0	55.4	

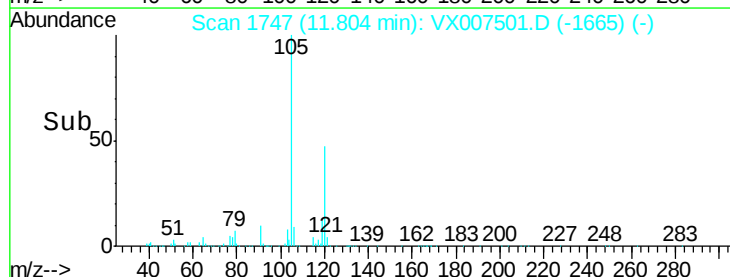
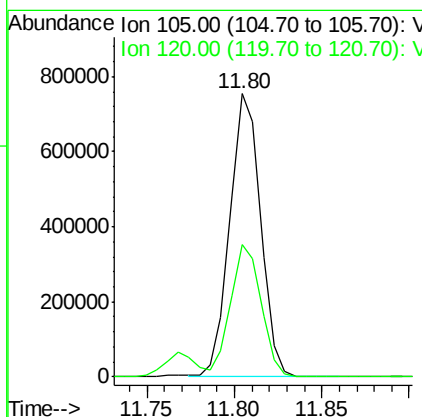
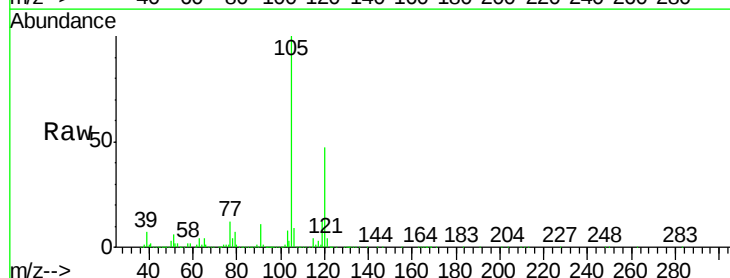
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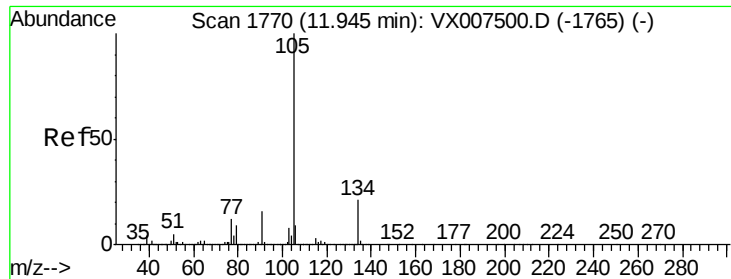
MMDadoda
2/13/2019 11:52:45 AM



#80
1,2,4-Trimethylbenzene
Concen: 51.831 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	923612		
120	46.2	0.0	94.0	





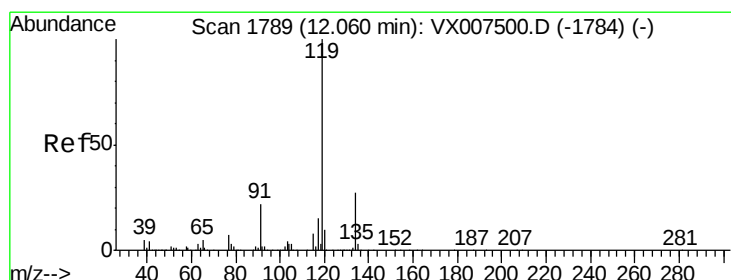
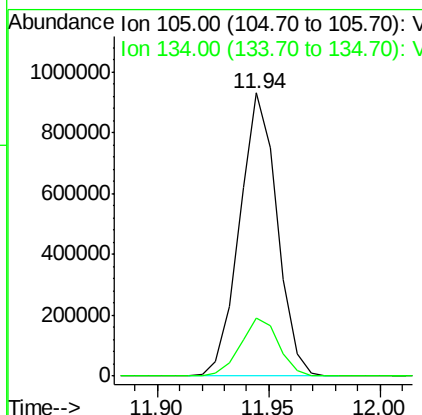
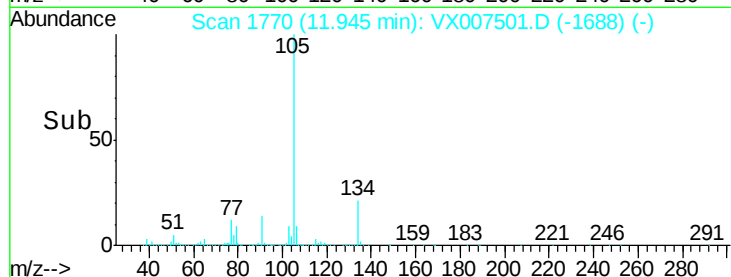
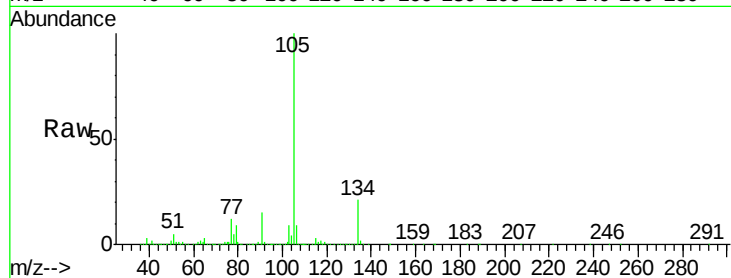
#81
 sec-Butylbenzene
 Concen: 51.642 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Tot Ion:105 Resp: 1092940
 Ion Ratio Lower Upper
 105 100
 134 21.0 0.0 41.8

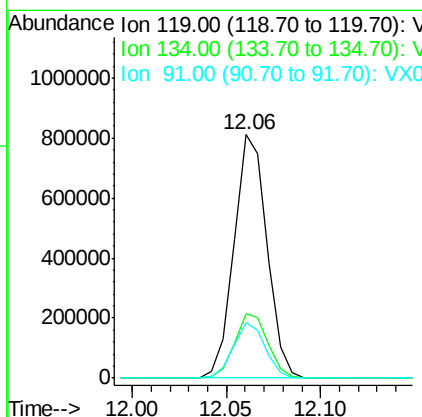
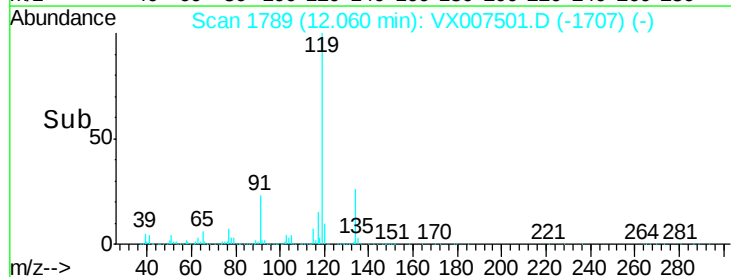
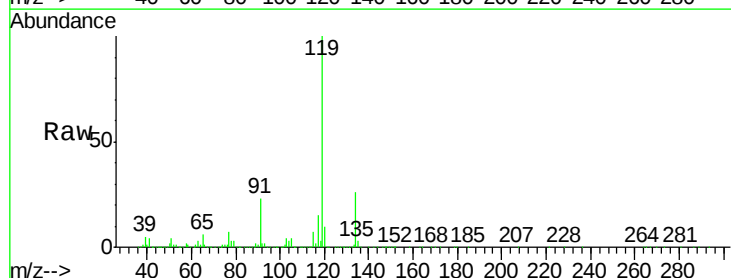
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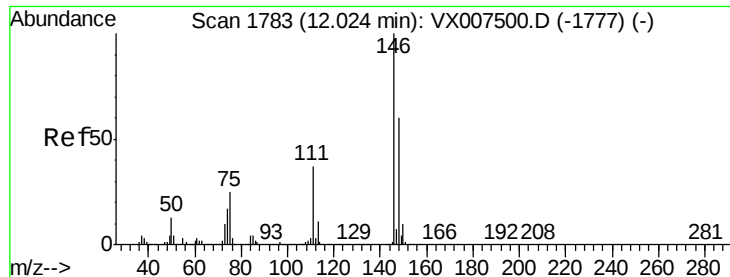
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#82
 p-Isopropyltoluene
 Concen: 51.543 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Tgt Ion:119 Resp: 979612
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 55.4
 91 22.2 0.0 45.0





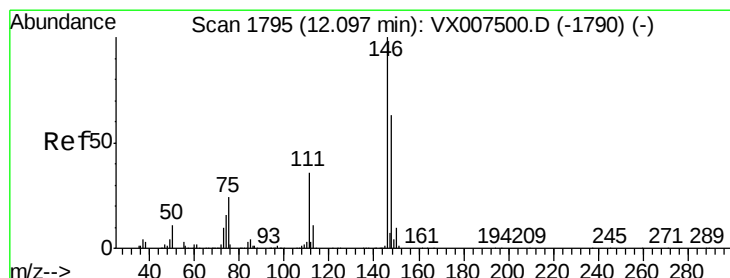
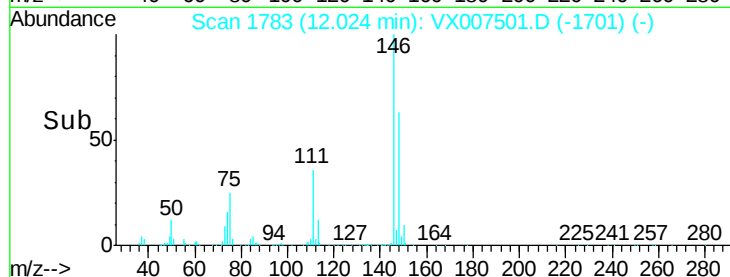
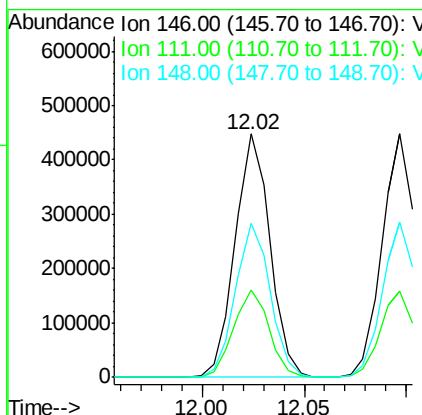
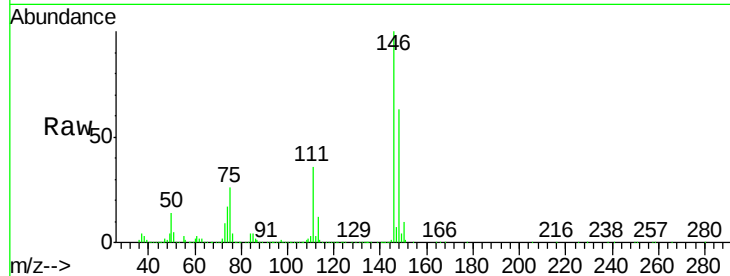
#83
 1,3-Dichlorobenzene
 Concen: 50.977 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	63.1	30.6	91.8

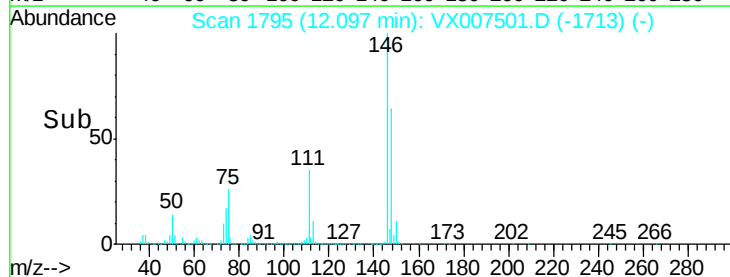
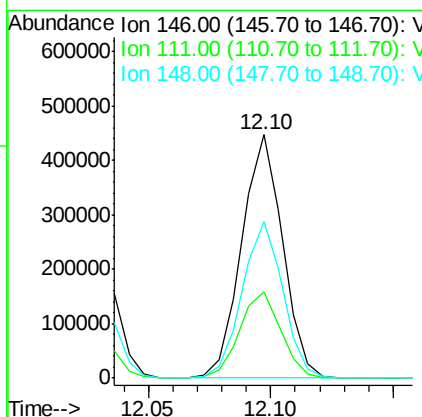
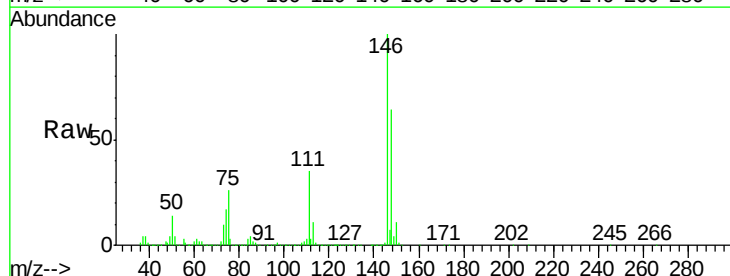
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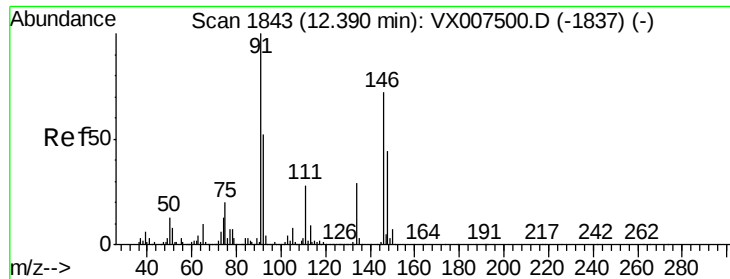
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#84
 1,4-Dichlorobenzene
 Concen: 50.110 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007501.D
 Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.6	52.8
148	64.3	31.4	94.2





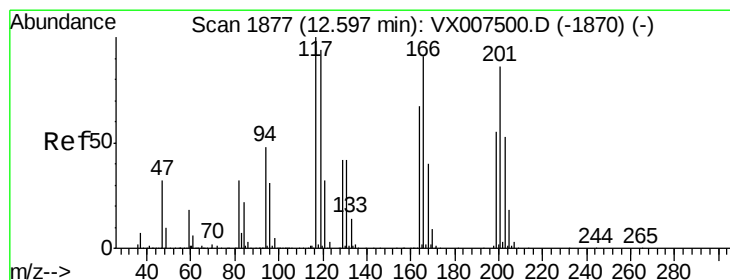
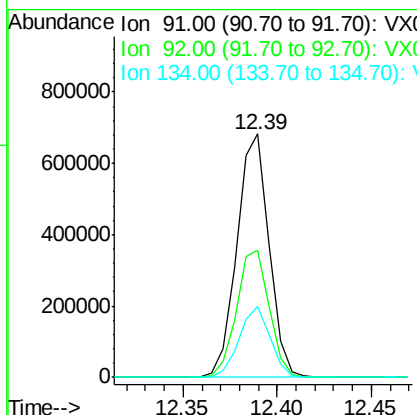
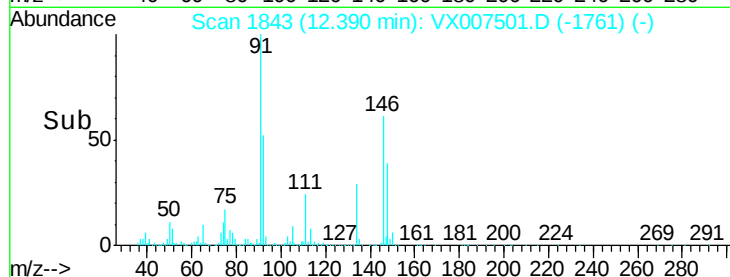
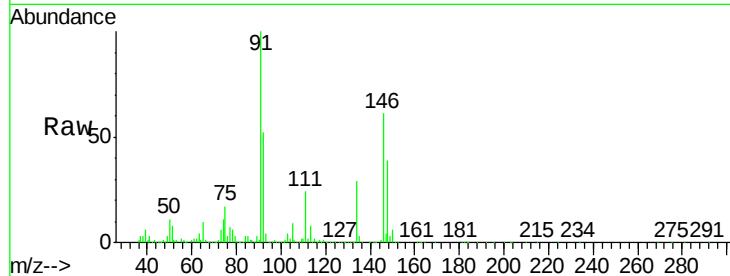
#85
n-Butylbenzene
Concen: 49.587 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	804885		
92	53.0		0.0	105.2
134	28.2		0.0	56.4

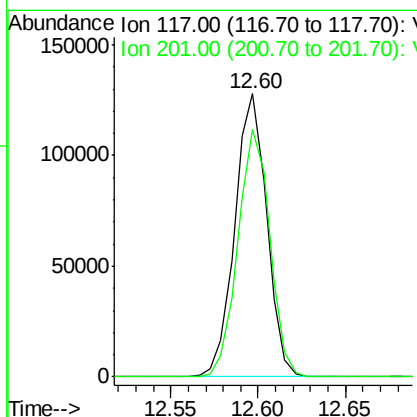
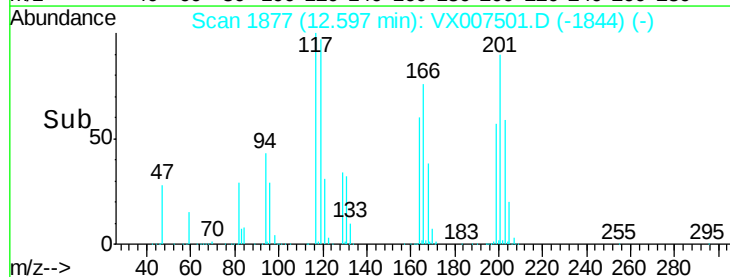
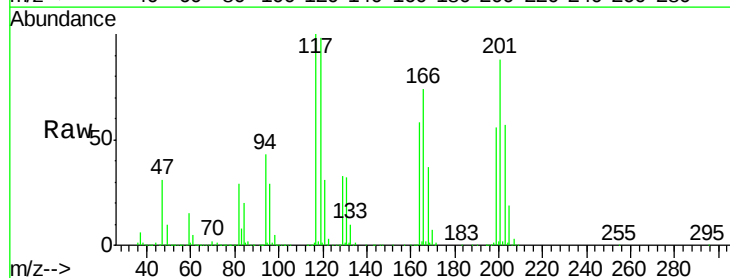
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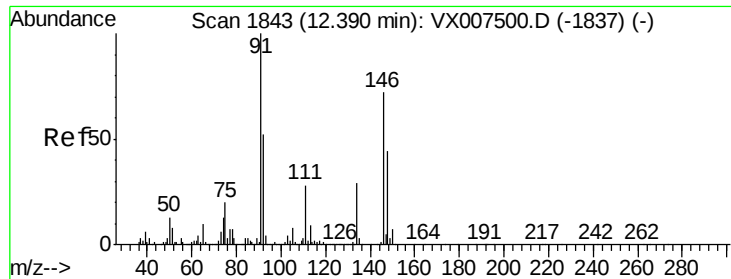
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#86
Hexachloroethane
Concen: 54.000 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	162017		
201	87.7		41.1	123.3





#87

1,2-Dichlorobenzene

Concen: 50.257 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Instrument :

MSVOA_X

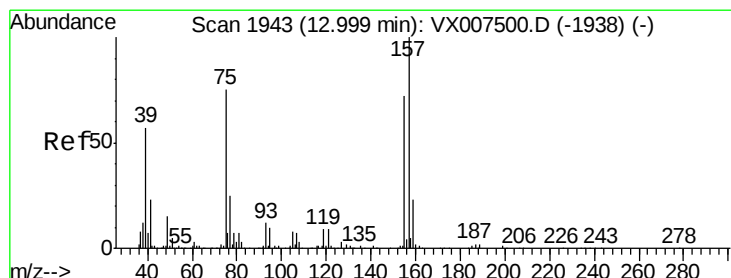
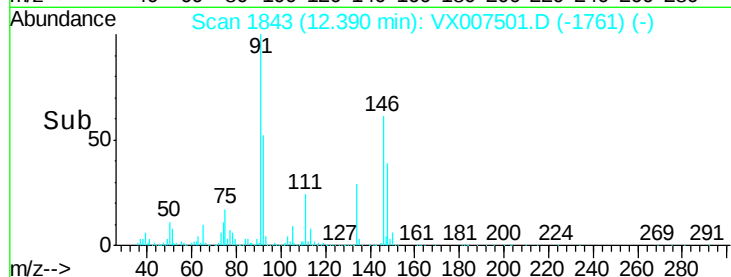
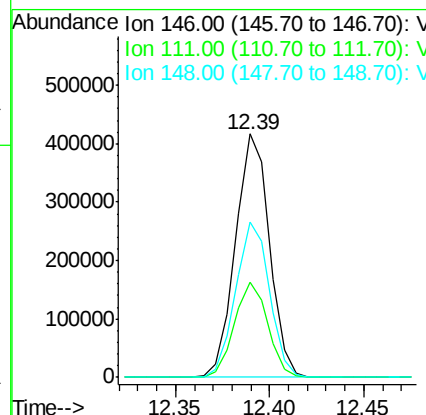
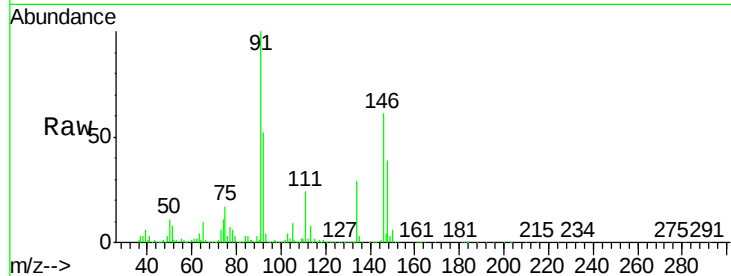
ClientSampleId :

VSTDIC050

Tot Ion:	146	Resp:	521292
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.3	57.8
148	63.6	32.1	96.3

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#88

1,2-Dibromo-3-Chloropropane

Concen: 54.194 ug/l

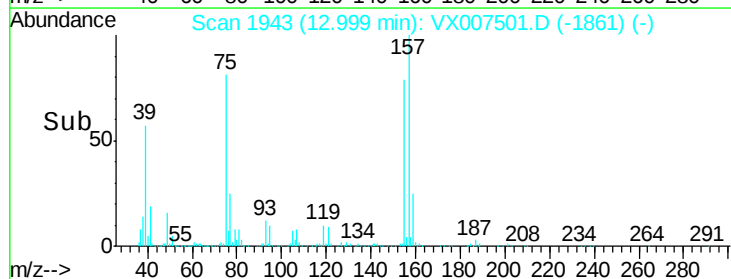
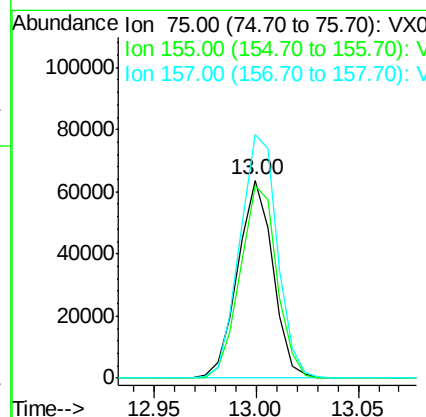
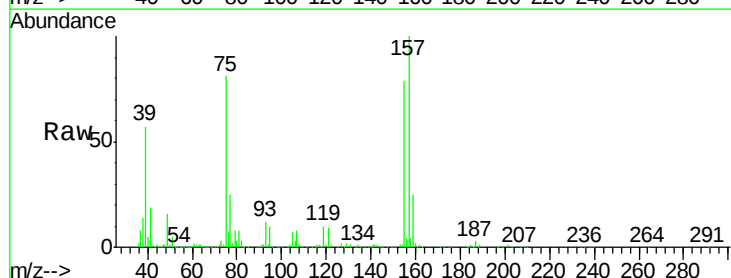
RT: 13.00 min Scan# 1943

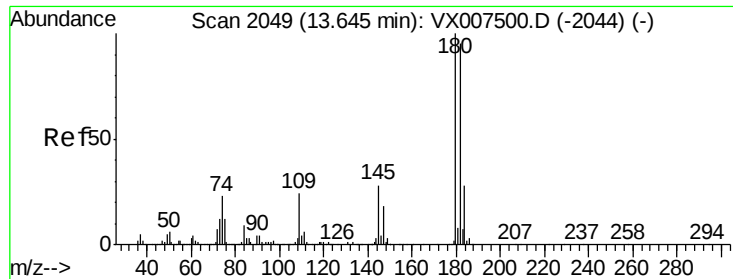
Delta R.T. 0.00 min

Lab File: VX007501.D

Acq: 12 Feb 2019 23:29

Tgt Ion:	75	Resp:	75932
Ion Ratio	Lower	Upper	
75	100		
155	101.6	81.0	121.6
157	132.1	103.2	154.8





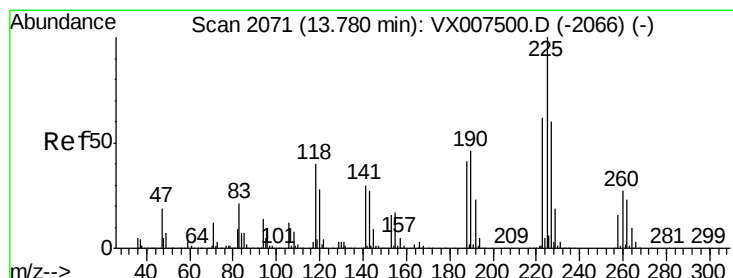
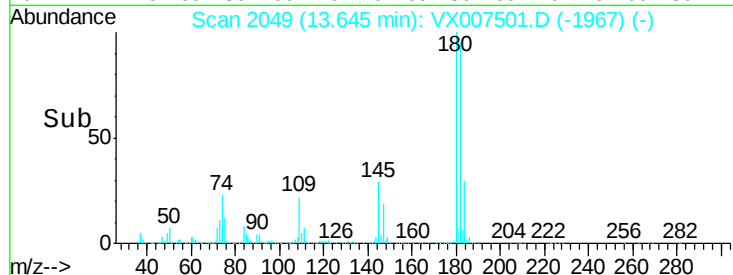
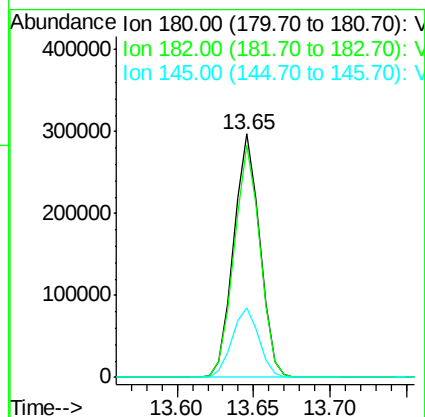
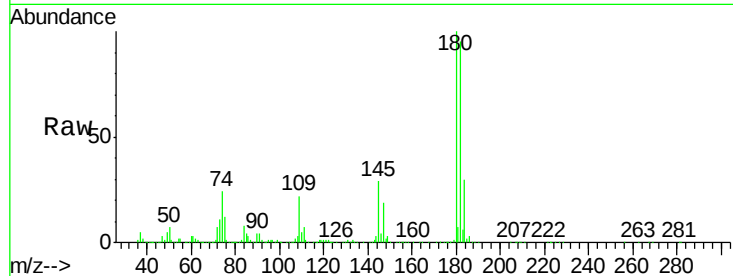
#89
1,2,4-Trichlorobenzene
Concen: 49.862 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	351516		
182	94.7	75.6	113.4	
145	29.1	23.0	34.6	

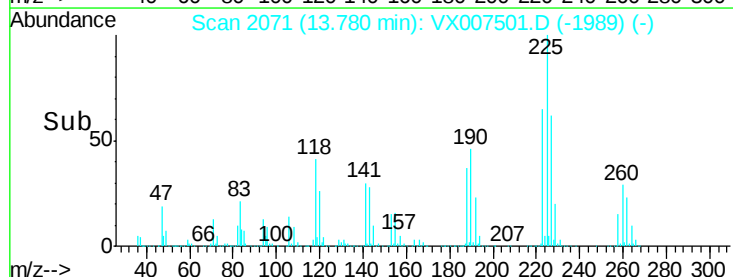
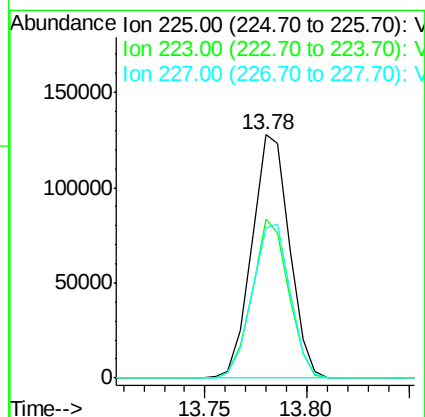
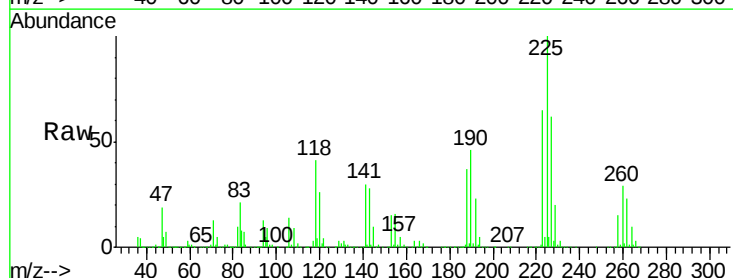
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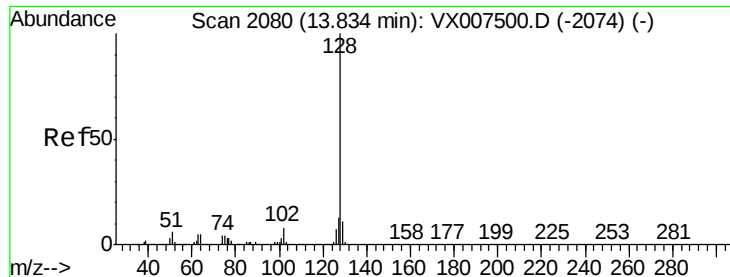
MMDadoda
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#90
Hexachlorobutadiene
Concen: 48.819 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163890		
223	63.3	0.0	123.8	
227	64.0	0.0	124.4	





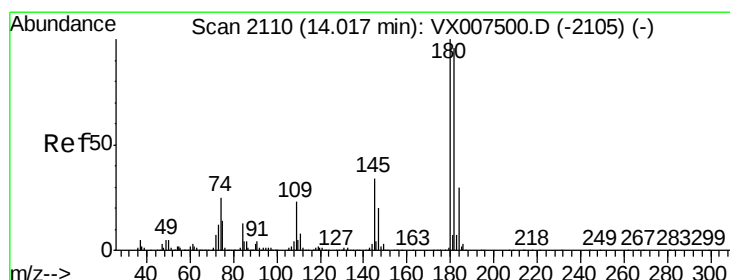
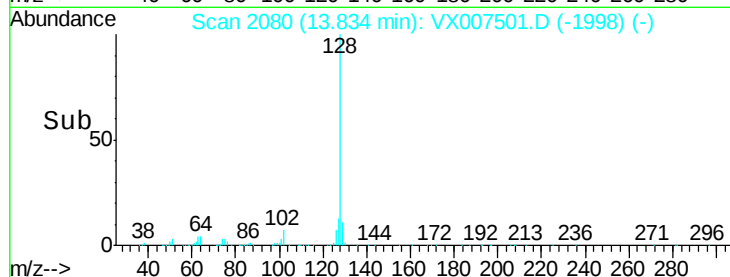
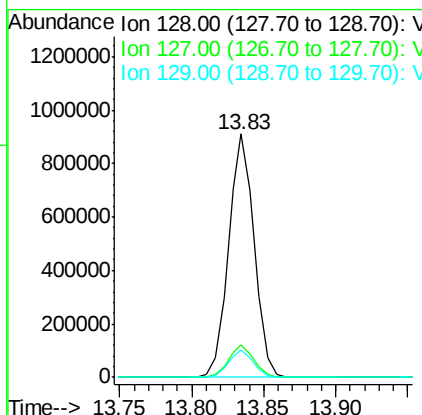
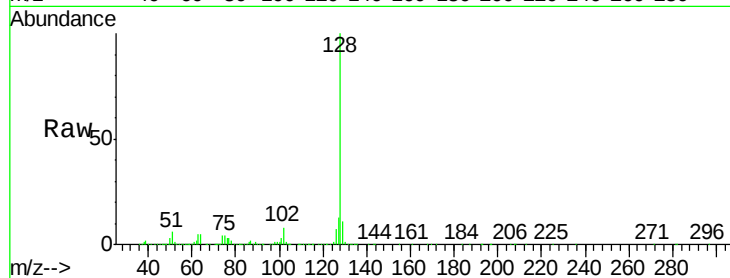
#91
Naphthalene
Concen: 52.463 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.9	8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 50.582 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007501.D
Acq: 12 Feb 2019 23:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	193.0
145	30.3	0.0	63.0

