

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040419\
 Data File : VX008654.D
 Acq On : 04 Apr 2019 23:06
 Operator : JC/SP
 Sample : VX0404WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD02

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 10:54:00 AM

Quant Time: Apr 05 09:00:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	174656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	294957	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	126484	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	5.50	113	92878	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	8.71	98	375885	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	11.13	95	136866	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	35197	17.507	ug/l	99
3) Chloromethane	1.32	50	49377	18.993	ug/l	99
4) Vinyl Chloride	1.40	62	47862	17.611	ug/l	99
5) Bromomethane	1.64	94	23025	18.435	ug/l	99
6) Chloroethane	1.71	64	30541	18.680	ug/l	100
7) Trichlorofluoromethane	1.93	101	54176	18.033	ug/l	97
8) Diethyl Ether	2.18	74	26198	18.389	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33951	17.553	ug/l	99
10) Methyl Iodide	2.51	142	22911	15.968	ug/l	100
11) Tert butyl alcohol	3.05	59	61233	102.672	ug/l	100
12) 1,1-Dichloroethene	2.37	96	36222	17.939	ug/l	98
13) Acrolein	2.29	56	20940	70.810	ug/l	96
14) Allyl chloride	2.73	41	82326	17.810	ug/l	100
15) Acrylonitrile	3.14	53	146913	92.986	ug/l	100
16) Acetone	2.44	43	125691	85.664	ug/l	97
17) Carbon Disulfide	2.57	76	105939	17.691	ug/l	99
18) Methyl Acetate	2.78	43	64492	18.123	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	138397	19.193	ug/l	97
20) Methylene Chloride	2.85	84	43947	17.894	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	38790	17.760	ug/l	95
22) Diisopropyl ether	3.85	45	168008	18.858	ug/l	95
23) Vinyl Acetate	3.81	43	732477	94.507	ug/l	98
24) 1,1-Dichloroethane	3.70	63	81707	18.523	ug/l	99
25) 2-Butanone	4.67	43	215930	93.111	ug/l	99
26) 2,2-Dichloropropane	4.58	77	46823	15.071	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	45111	17.965	ug/l	98
28) Bromochloromethane	5.01	49	45526	23.078	ug/l	99
29) Tetrahydrofuran	5.13	42	144578	93.930	ug/l	99
30) Chloroform	5.21	83	73128	18.561	ug/l	97
31) Cyclohexane	5.58	56	77398	17.585	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	59303	18.627	ug/l	99
36) 1,1-Dichloropropene	5.80	75	56689	17.582	ug/l	100
37) Ethyl Acetate	4.84	43	81407	18.916	ug/l	98
38) Carbon Tetrachloride	5.79	117	48483	18.168	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	66920	16.802	ug/l	99
40) Benzene	6.14	78	175426	18.264	ug/l	99
41) Methacrylonitrile	5.04	41	45347	18.331	ug/l	99
42) 1,2-Dichloroethane	6.20	62	61927	17.984	ug/l	100
43) Isopropyl Acetate	6.45	43	127312	18.885	ug/l	100
44) Trichloroethene	7.21	130	40329	18.027	ug/l	99
45) 1,2-Dichloropropane	7.51	63	49866	18.189	ug/l	97
46) Dibromomethane	7.66	93	28372	17.843	ug/l	98
47) Bromodichloromethane	7.90	83	54761	18.266	ug/l	100
48) Methyl methacrylate	7.77	41	64227	18.834	ug/l	99
49) 1,4-Dioxane	7.74	88	25781	403.563	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	421124	97.037	ug/l	100
52) Toluene	8.78	92	105090	18.558	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	60423	17.992	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	67610	17.619	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	42549	18.719	ug/l	98
56) Ethyl methacrylate	9.18	69	78667	19.128	ug/l	99
57) 1,3-Dichloropropane	9.37	76	76588	18.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	209149	99.593	ug/l	99
59) 2-Hexanone	9.49	43	332108	98.470	ug/l	99
60) Dibromochloromethane	9.58	129	39937	18.645	ug/l	99
61) 1,2-Dibromoethane	9.67	107	43756	18.491	ug/l	99
64) Tetrachloroethene	9.34	164	35831	18.289	ug/l	98
65) Chlorobenzene	10.13	112	106700	18.203	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	37369	18.172	ug/l	99
67) Ethyl Benzene	10.25	91	200869	18.377	ug/l	100
68) m/p-Xylenes	10.36	106	144562	36.784	ug/l	99
69) o-Xylene	10.70	106	71582	18.795	ug/l	99
70) Styrene	10.71	104	123212	18.768	ug/l	100
71) Bromoform	10.85	173	29095	18.525	ug/l #	98
73) Isopropylbenzene	11.02	105	188743	18.725	ug/l	99
74) N-amyl acetate	10.90	43	113496	19.138	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	72800	18.990	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	61406m	18.378	ug/l	
77) Bromobenzene	11.26	156	45486	18.771	ug/l	98
78) n-propylbenzene	11.36	91	214920	18.312	ug/l	100
79) 2-Chlorotoluene	11.42	91	130076	18.314	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	158513	18.734	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20220	16.681	ug/l	94
82) 4-Chlorotoluene	11.51	91	148819	18.101	ug/l	98
83) tert-Butylbenzene	11.77	119	150500	18.488	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	159541	18.622	ug/l	100
85) sec-Butylbenzene	11.94	105	180604	18.678	ug/l	99
86) p-Isopropyltoluene	12.06	119	162061	18.674	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	79087	18.231	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	78158	17.792	ug/l	98
89) n-Butylbenzene	12.38	91	143280	17.604	ug/l	99
90) Hexachloroethane	12.59	117	25855	17.962	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	81312	18.878	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16091	19.081	ug/l	98

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ClientSampleId :
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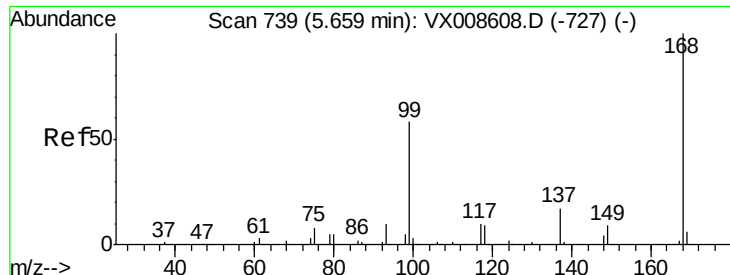
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55099	18.398	ug/l	99
94) Hexachlorobutadiene	13.78	225	26583	18.509	ug/l	99
95) Naphthalene	13.83	128	192533	19.236	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	57548	19.233	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD02

Tot Ion:168 Resp: 174656

Ion Ratio Lower Upper

168 100

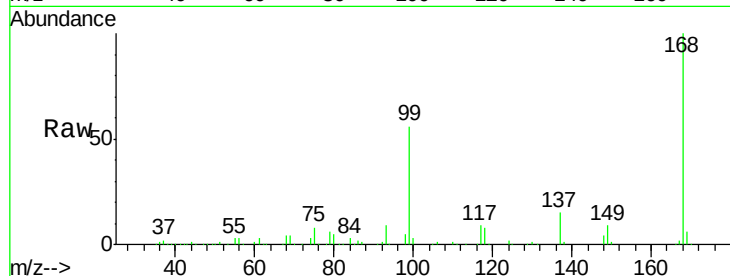
99 56.0 46.7 70.1

Manual Integrations

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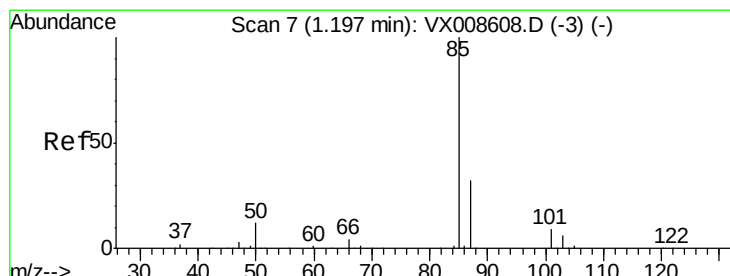
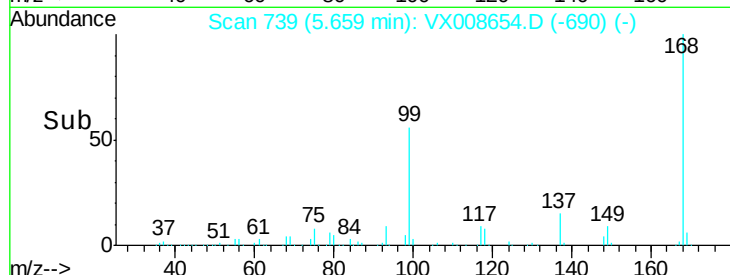
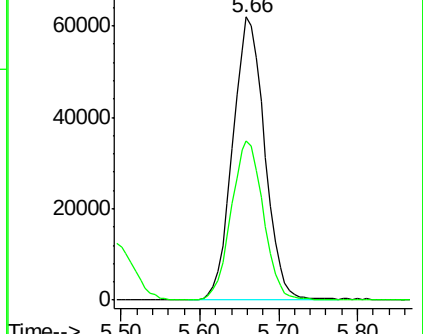
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4/5/2019 10:54:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.507 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008654.D

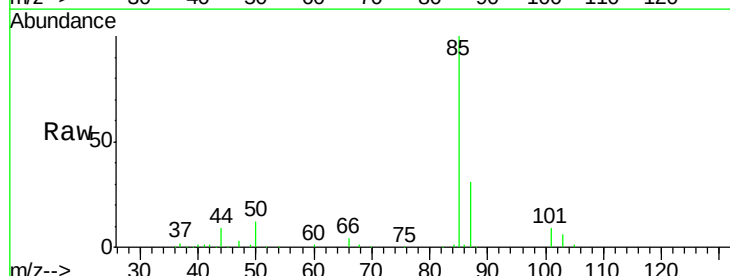
Acq: 04 Apr 2019 23:06

Tgt Ion: 85 Resp: 35197

Ion Ratio Lower Upper

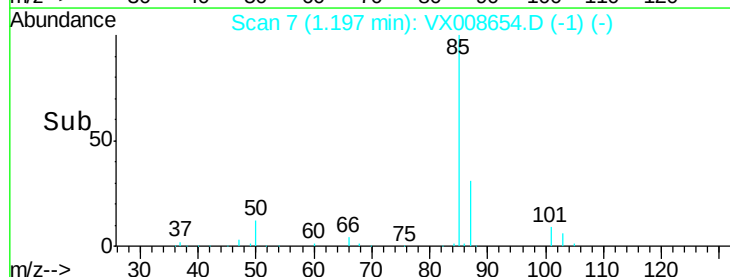
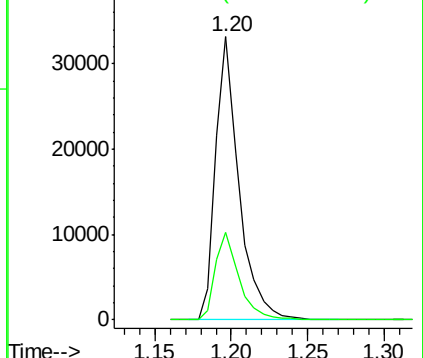
85 100

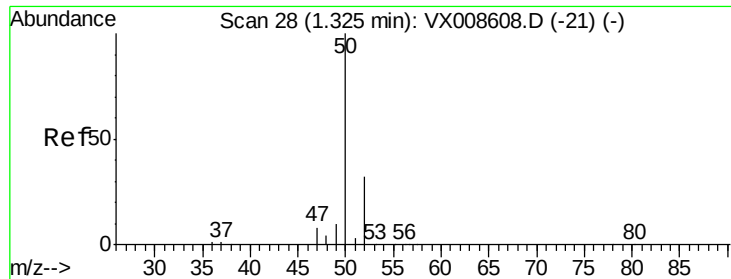
87 31.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.993 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD02

Tot Ion: 50 Resp: 49377

Ion Ratio Lower Upper

50 100

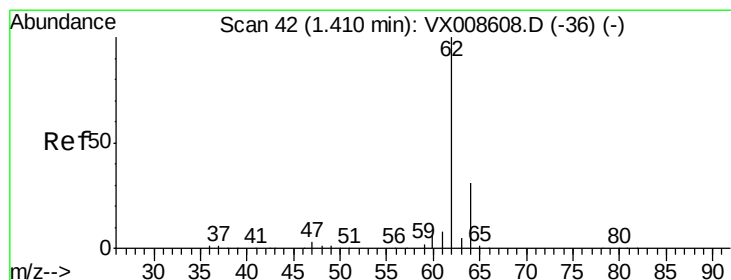
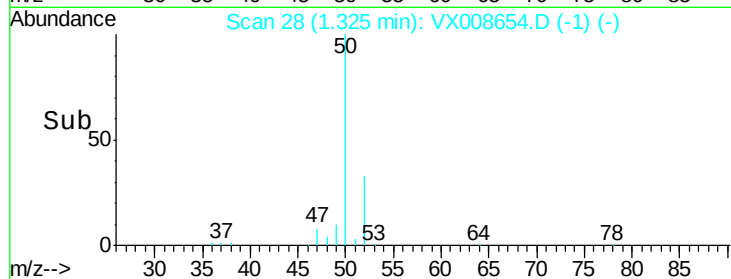
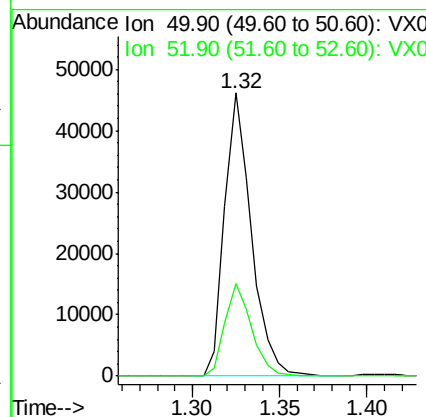
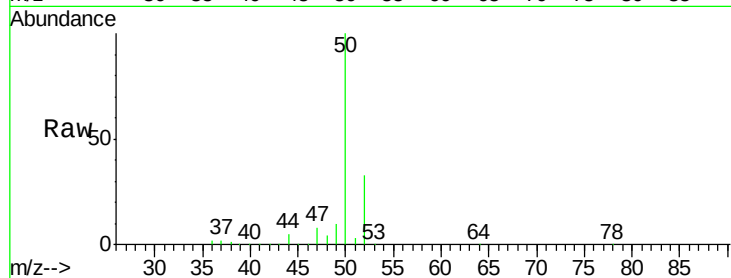
52 32.6 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.611 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008654.D

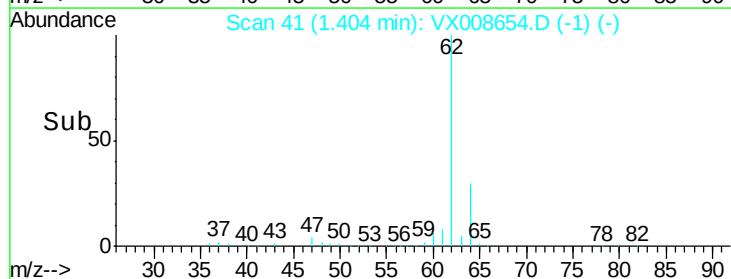
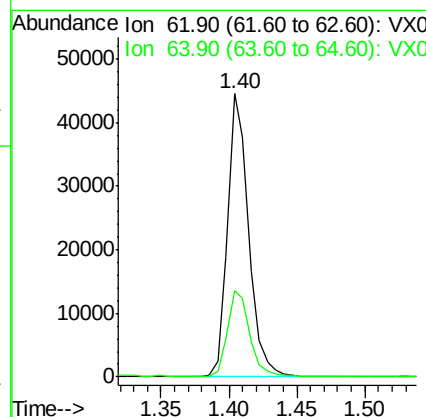
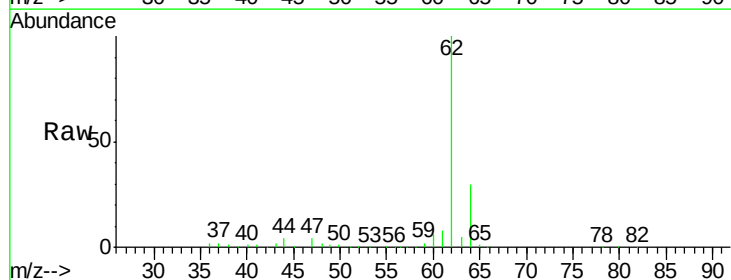
Acq: 04 Apr 2019 23:06

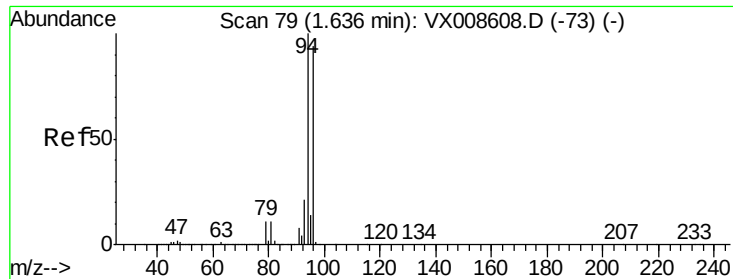
Tgt Ion: 62 Resp: 47862

Ion Ratio Lower Upper

62 100

64 30.3 24.7 37.1





#5

Bromomethane

Concen: 18.435 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD02

Tot Ion: 94 Resp: 23025

Ion Ratio Lower Upper

94 100

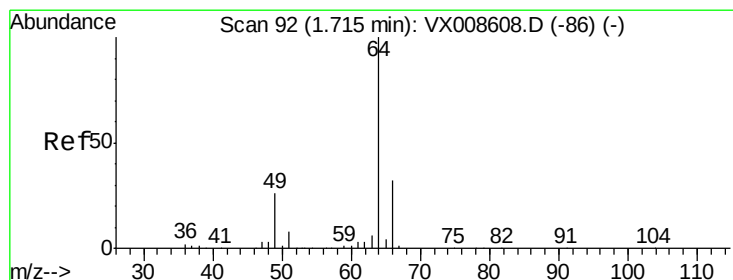
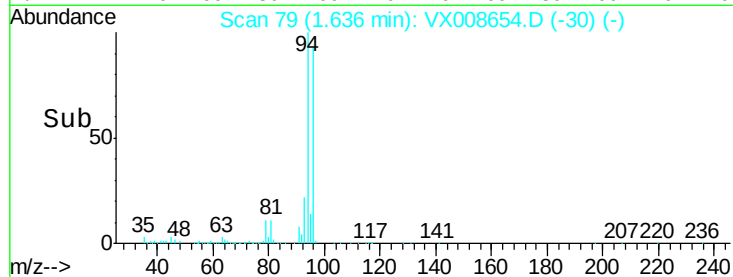
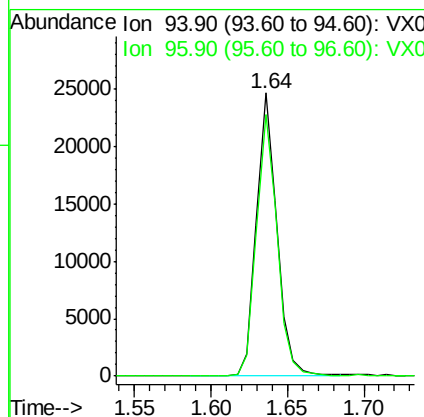
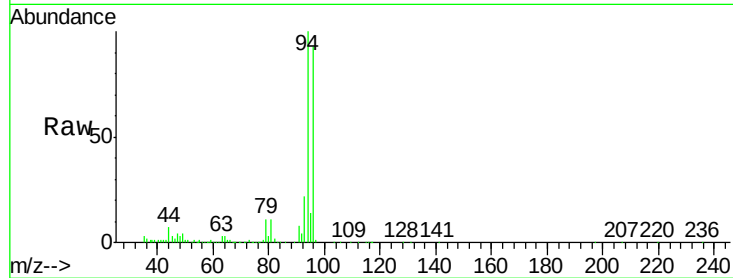
96 92.6 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 18.680 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008654.D

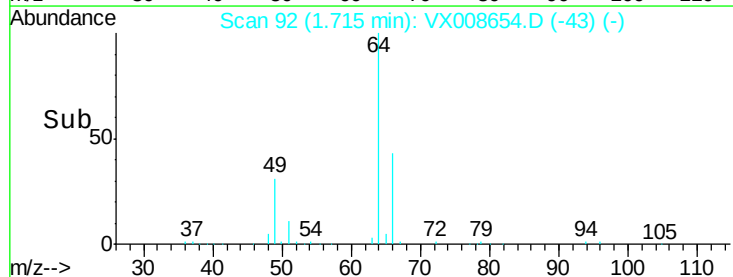
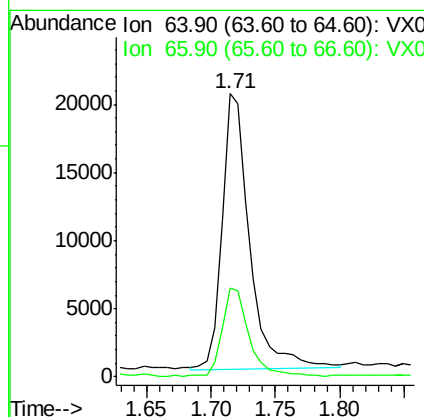
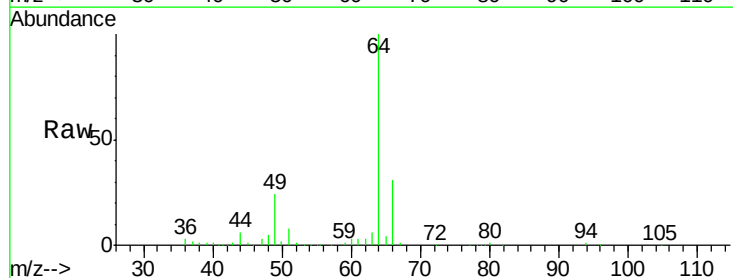
Acq: 04 Apr 2019 23:06

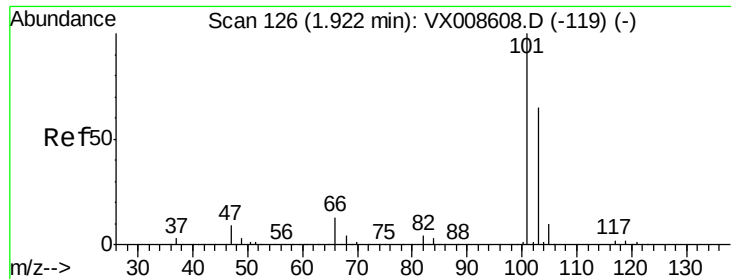
Tgt Ion: 64 Resp: 30541

Ion Ratio Lower Upper

64 100

66 31.9 25.4 38.0





#7

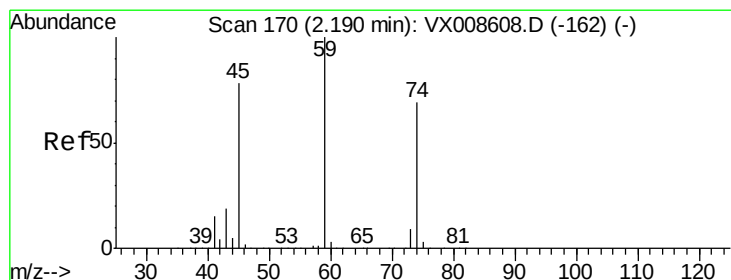
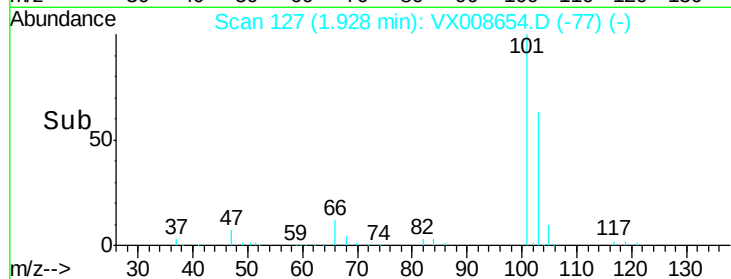
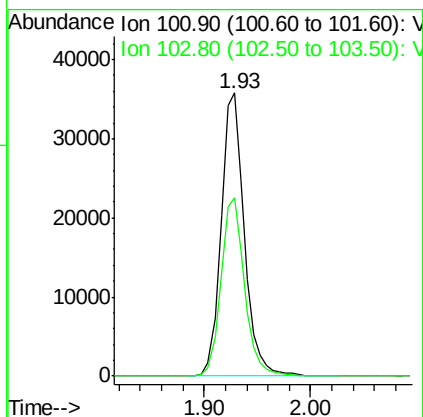
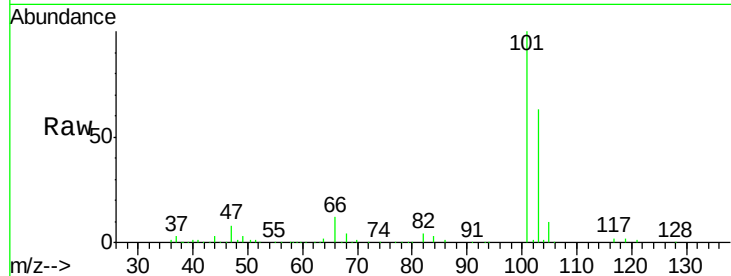
Trichlorofluoromethane
Concen: 18.033 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD02

Tot Ion:101 Resp: 54176
Ion Ratio Lower Upper
101 100
103 62.8 52.3 78.5

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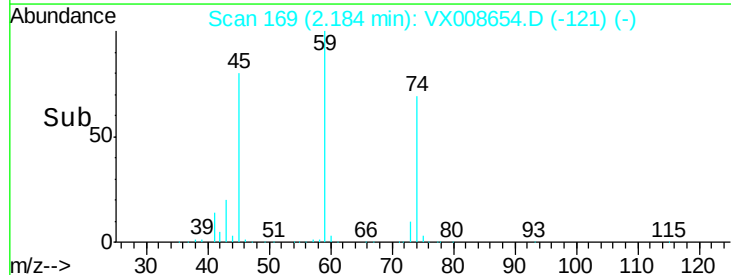
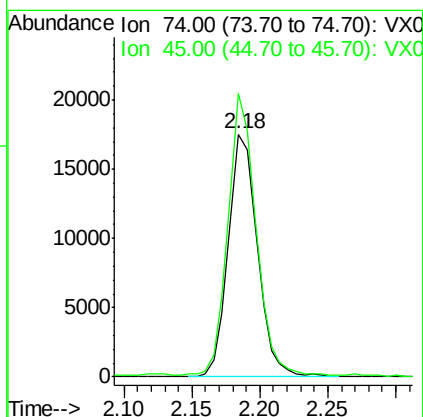
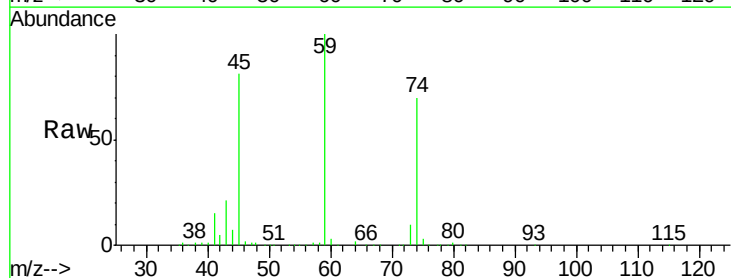
MMDadoda
4/5/2019 10:54:00 AM

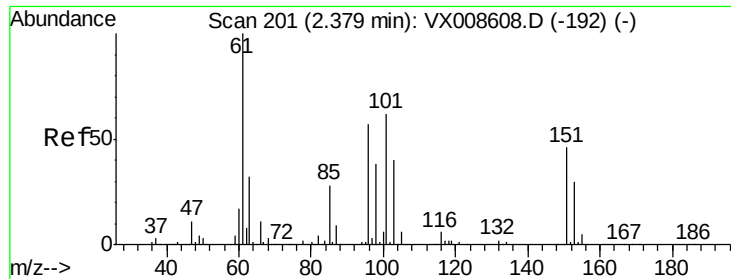


#8

Diethyl Ether
Concen: 18.389 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion: 74 Resp: 26198
Ion Ratio Lower Upper
74 100
45 110.7 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.553 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

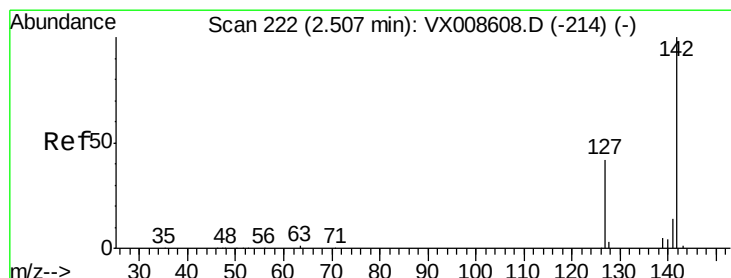
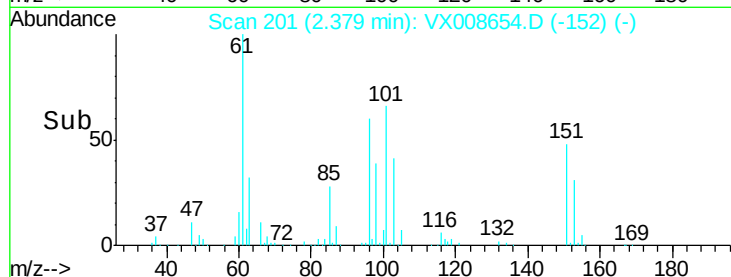
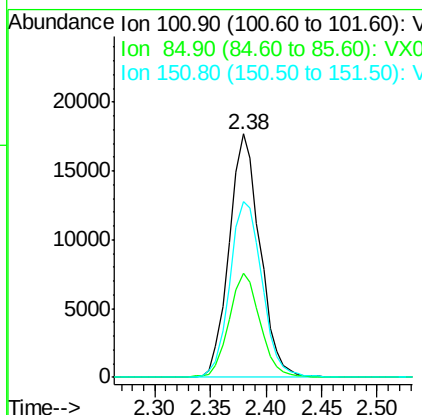
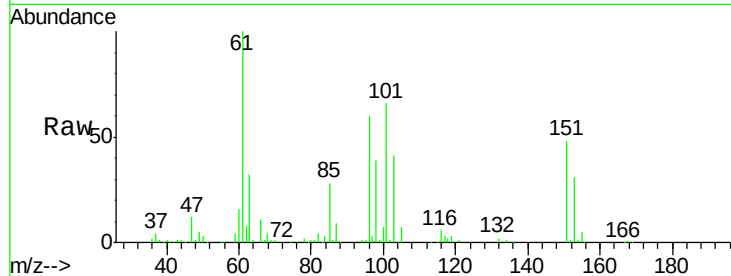
ClientSampleId :

VX0404WBSD02

Tot Ion:	101	Resp:	33951
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.0	54.0
151	75.5	59.9	89.9

Manual Integrations
APPROVED

MMDadoda
4/5/2019 10:54:00 AM



#10

Methyl Iodide

Concen: 15.968 ug/l

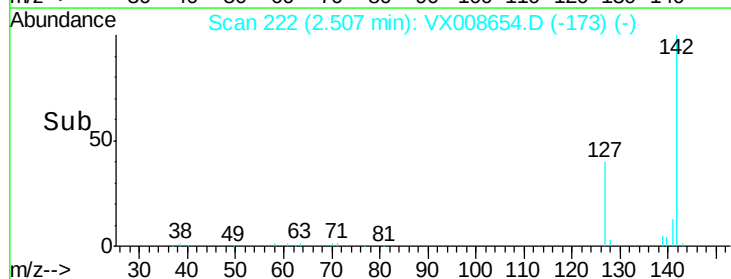
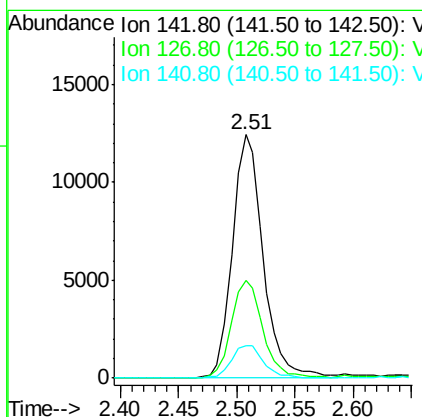
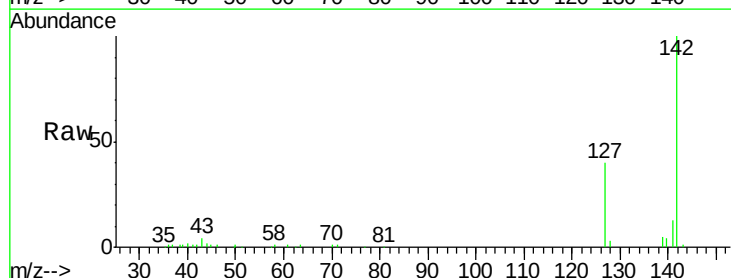
RT: 2.51 min Scan# 222

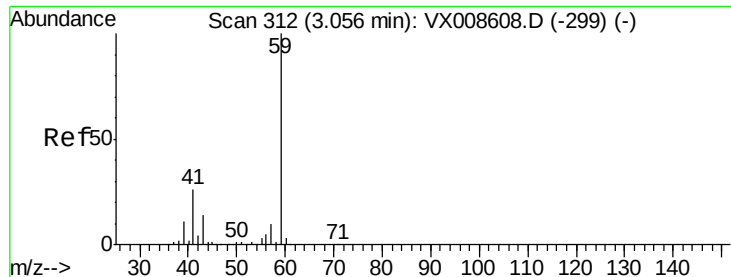
Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	142	Resp:	22911
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.6
141	14.3	11.4	17.2





#11

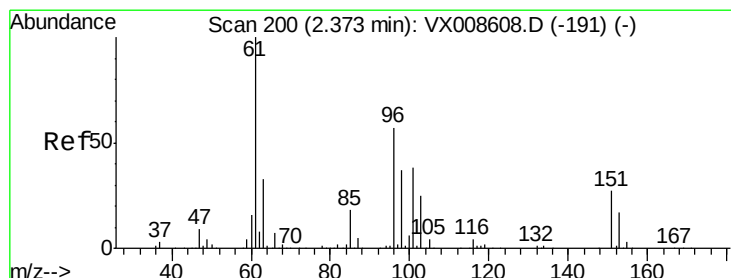
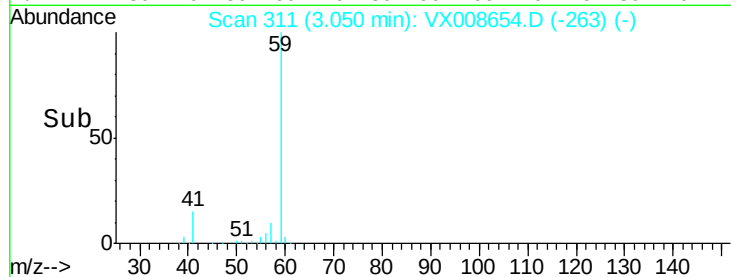
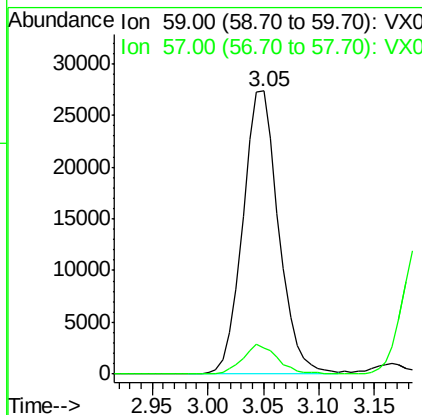
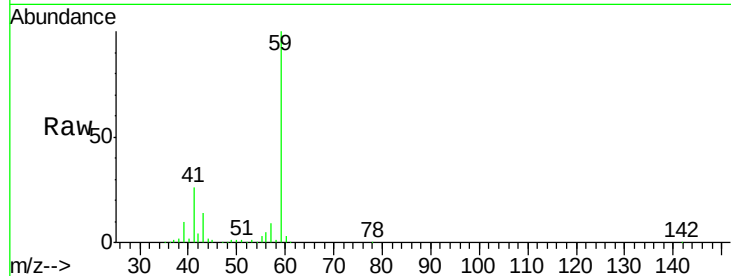
Tert butyl alcohol
Concen: 102.672 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD02

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	61233
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

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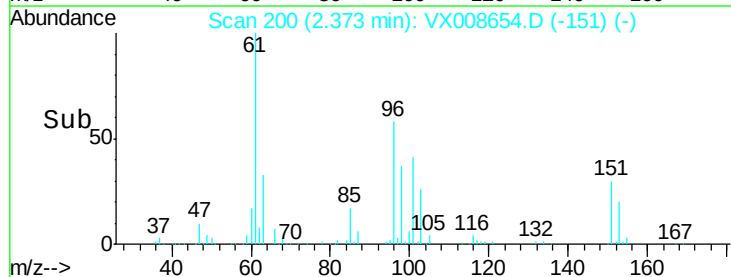
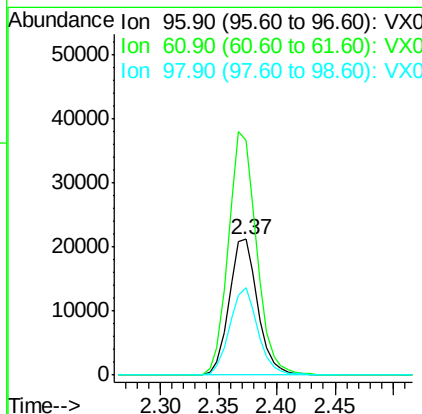
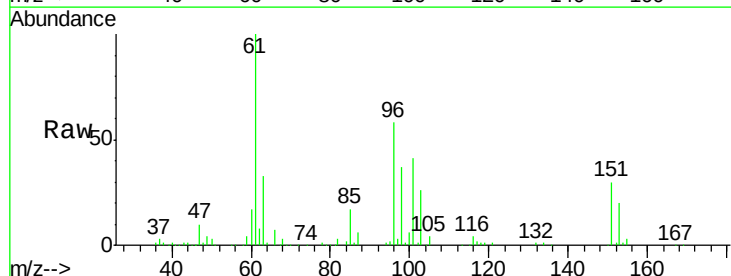
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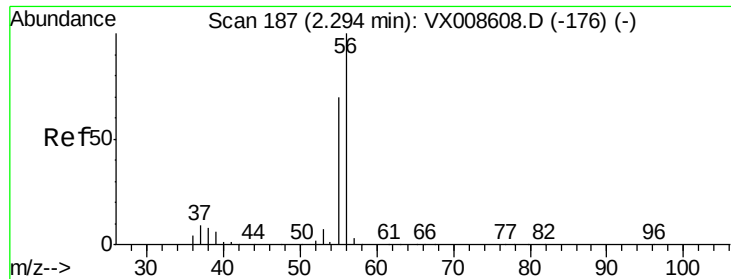


#12

1,1-Dichloroethene
Concen: 17.939 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion	96	Resp	36222
Ion	Ratio	Lower	Upper
96	100		
61	173.0	140.9	211.3
98	64.5	52.1	78.1





#13

Acrolein

Concen: 70.810 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD02

Tot Ion: 56 Resp: 20940

Ion Ratio Lower Upper

56 100

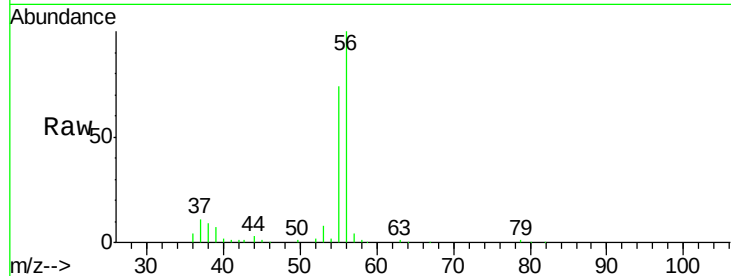
55 69.4 58.0 87.0

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

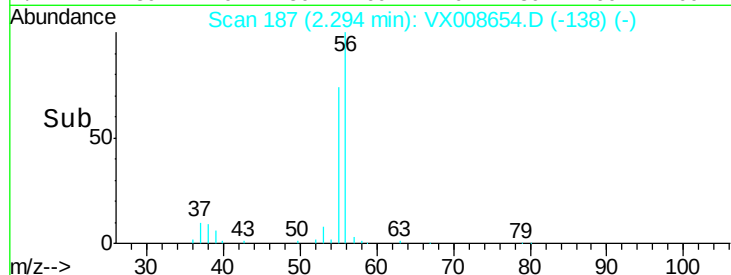
15000

10000

5000

0

Time-->



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

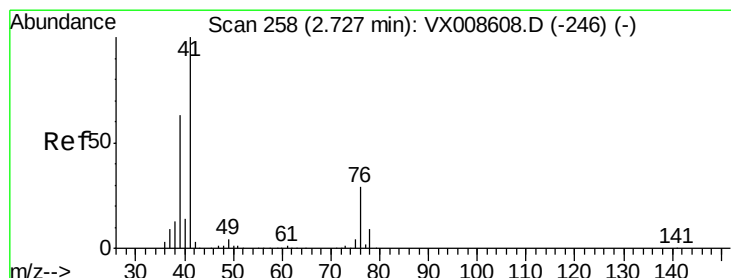
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 17.810 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

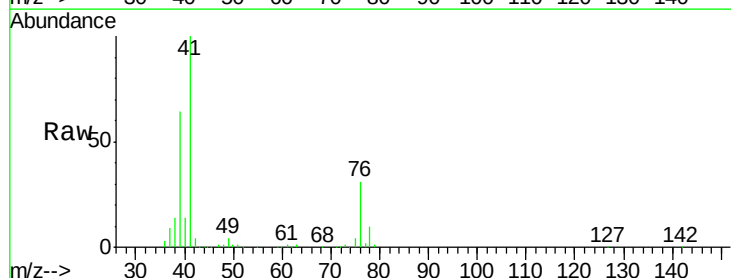
Tgt Ion: 41 Resp: 82326

Ion Ratio Lower Upper

41 100

39 59.9 48.0 72.0

76 27.4 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

50000

40000

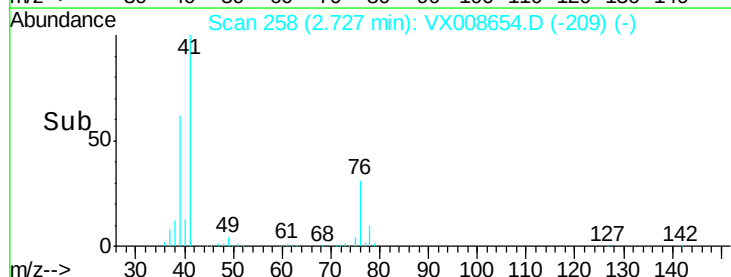
30000

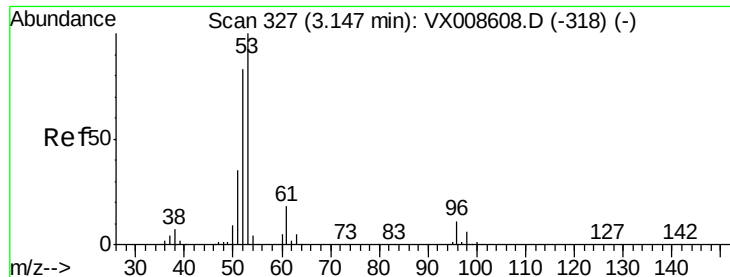
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 92.986 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

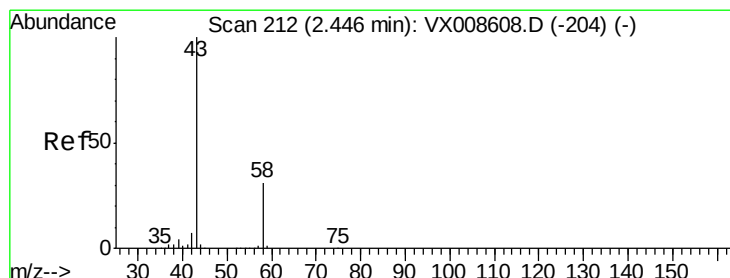
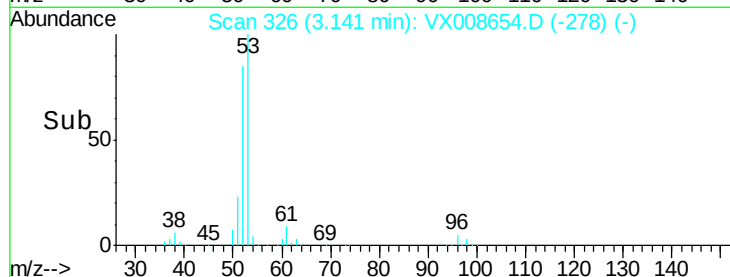
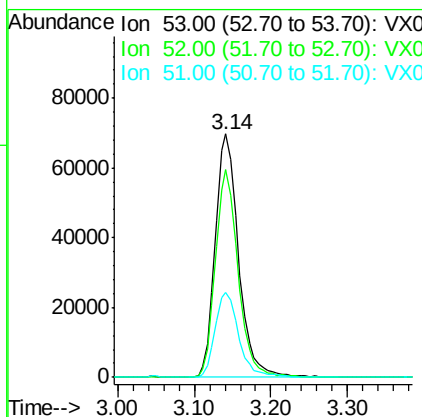
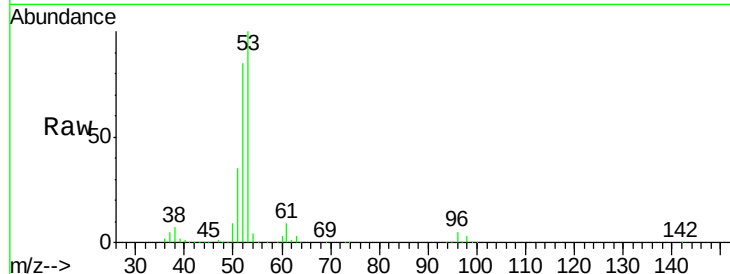
ClientSampleId :

VX0404WBSD02

Tot Ion:	53	Resp:	146913
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	36.0	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 85.664 ug/l

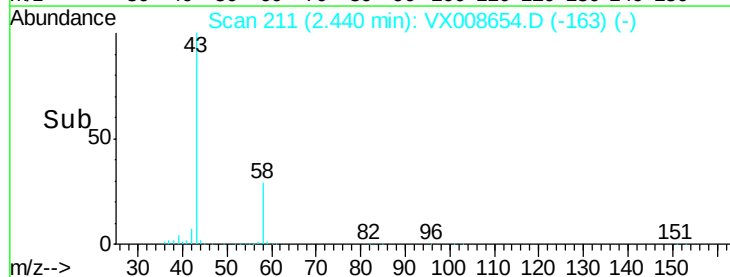
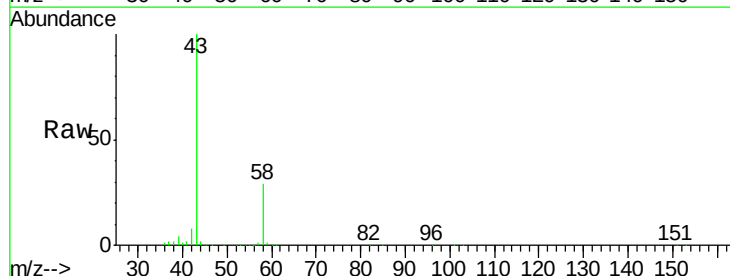
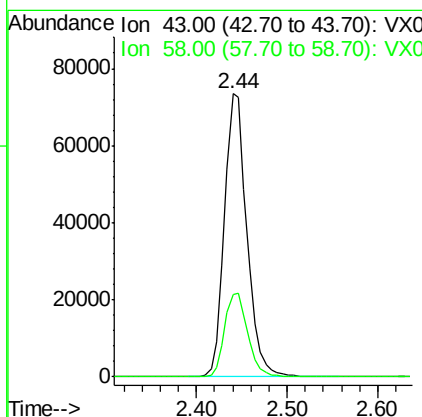
RT: 2.44 min Scan# 211

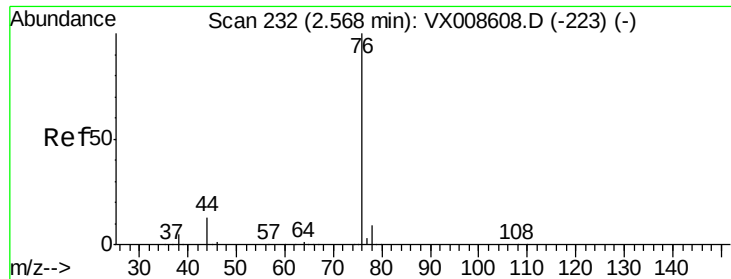
Delta R.T. -0.01 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	43	Resp:	125691
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.8	37.2





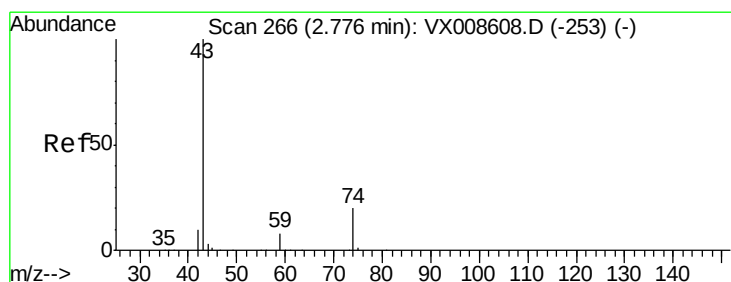
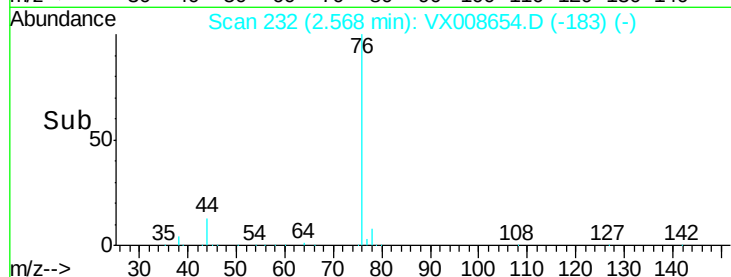
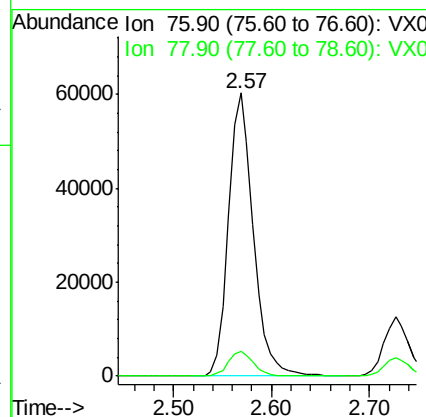
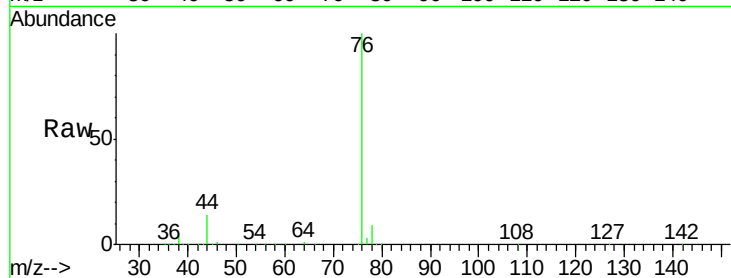
#17
Carbon Disulfide
Concen: 17.691 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

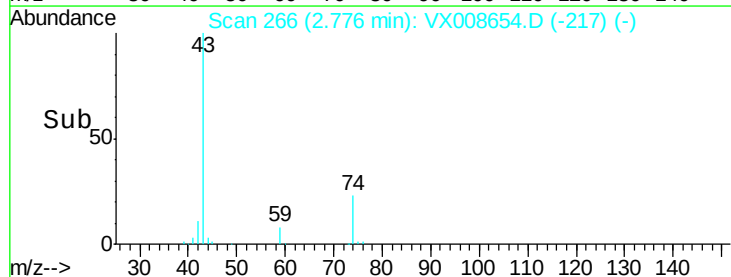
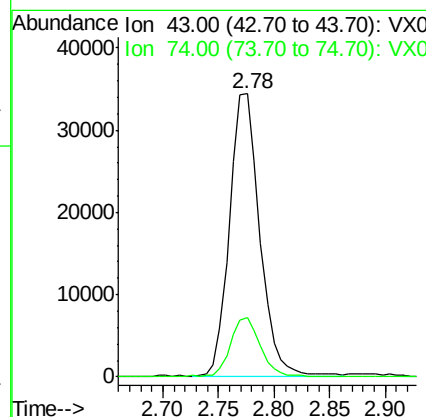
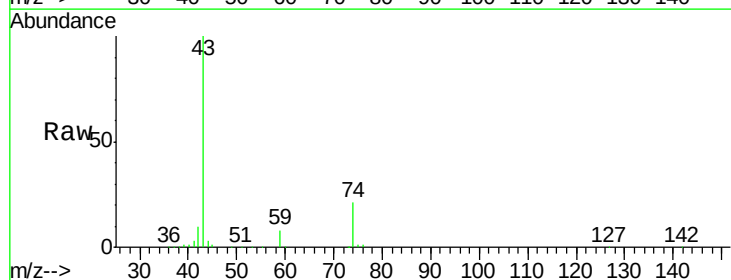
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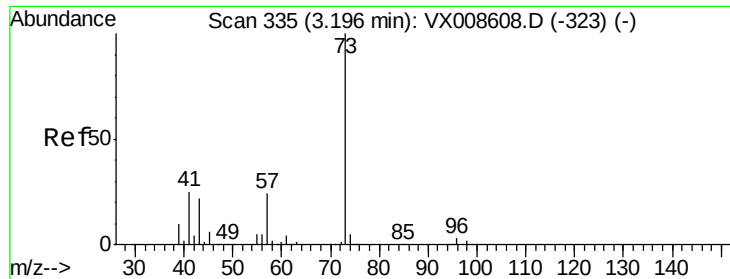
MMDadoda
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#18
Methyl Acetate
Concen: 18.123 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.5	24.7





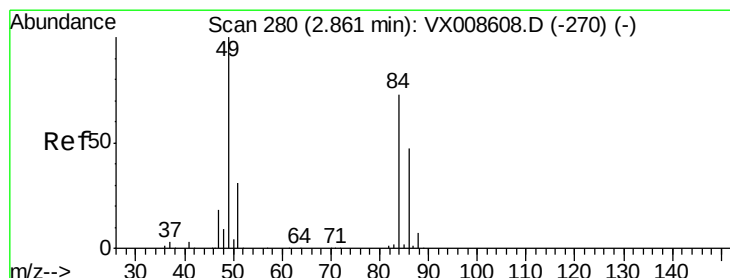
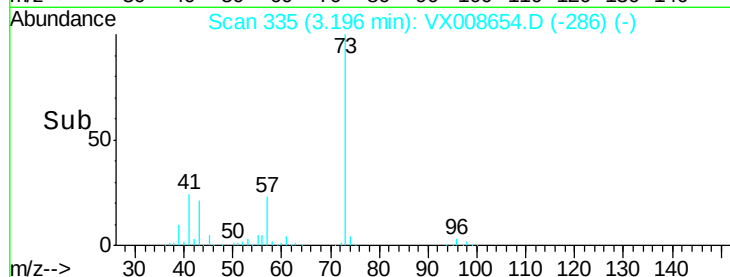
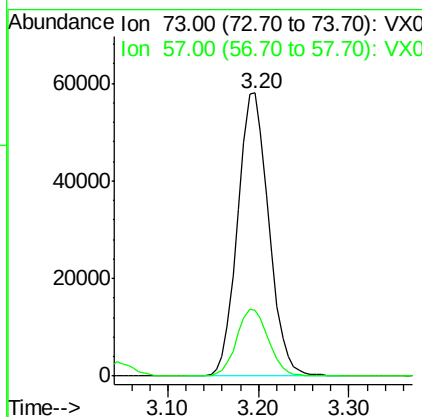
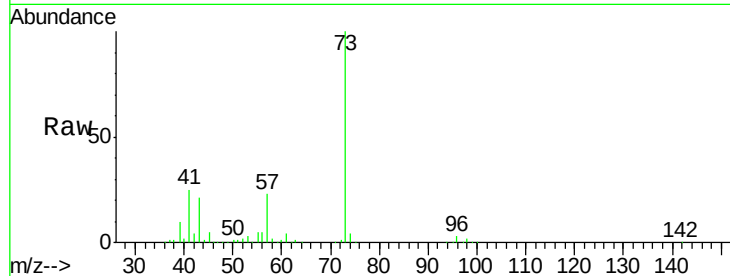
#19
Methvl tert-butyl Ether
Concen: 19.193 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	19.5	29.3

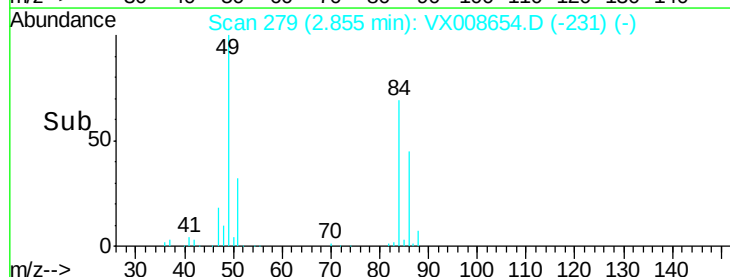
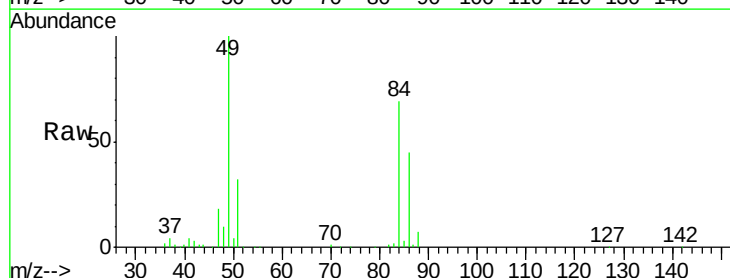
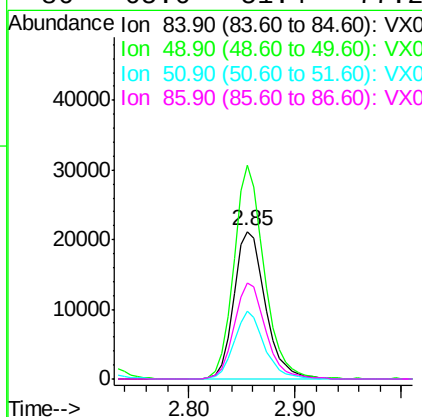
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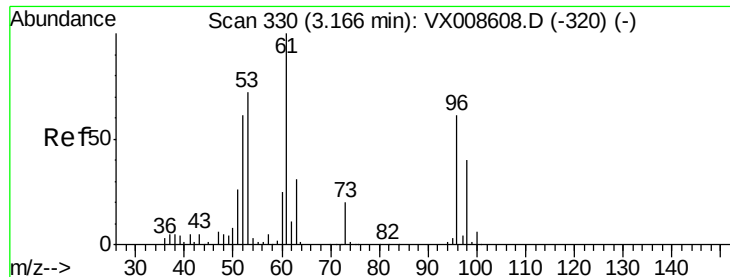
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#20
Methylene Chloride
Concen: 17.894 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.7	109.7	164.5
51	45.8	33.6	50.4
86	65.6	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 17.760 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

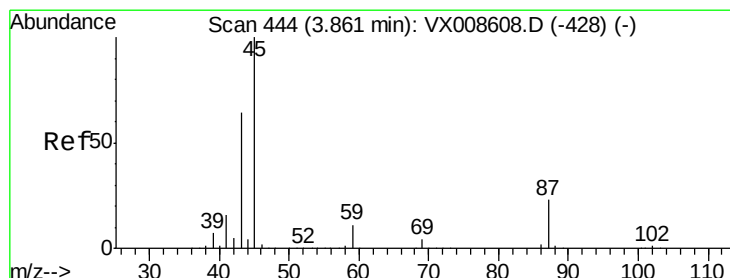
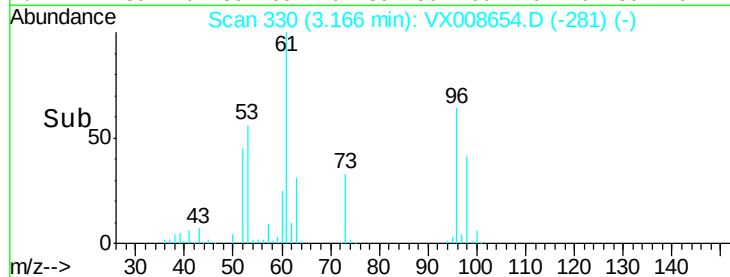
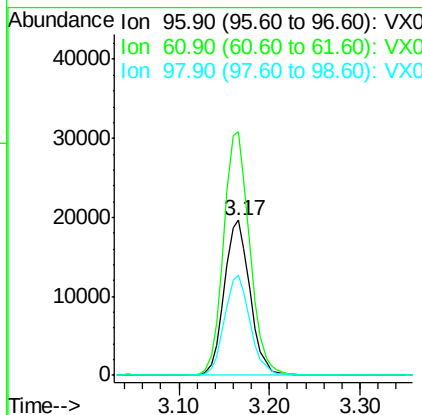
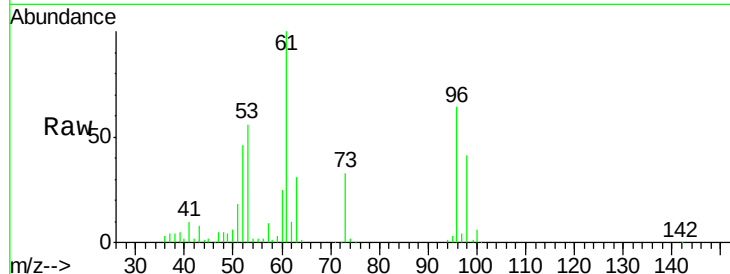
ClientSampleId :

VX0404WBSD02

Tot Ion:	96	Resp:	38790
Ion	Ratio	Lower	Upper
96	100		
61	156.9	132.1	198.1
98	64.7	52.2	78.2

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#22

Diisopropyl ether

Concen: 18.858 ug/l

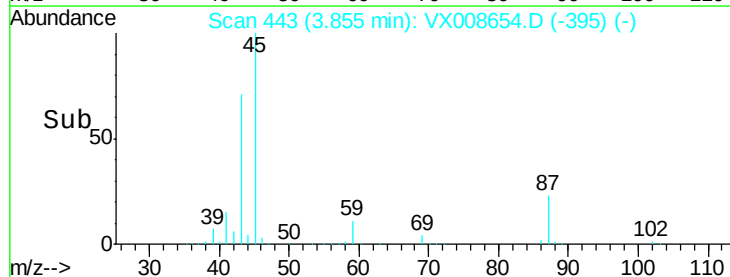
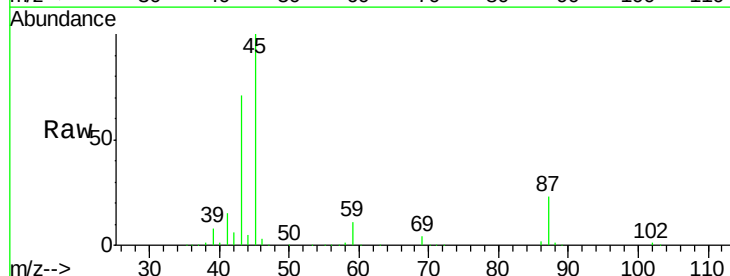
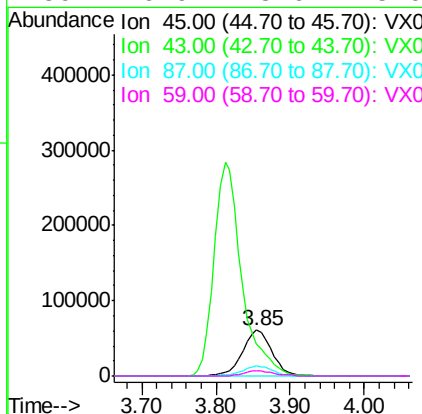
RT: 3.85 min Scan# 443

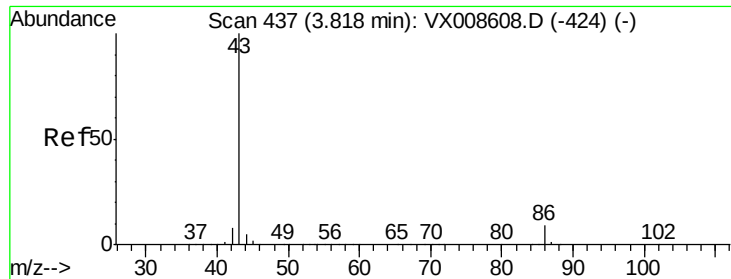
Delta R.T. -0.01 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	45	Resp:	168008
Ion	Ratio	Lower	Upper
45	100		
43	70.1	51.3	76.9
87	22.6	18.1	27.1
59	10.9	8.6	13.0





#23

Vinyl Acetate

Concen: 94.507 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD02

Tot Ion: 43 Resp: 732477

Ion Ratio Lower Upper

43 100

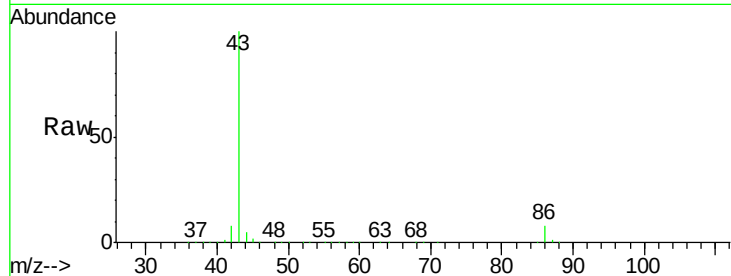
86 8.2 7.0 10.6

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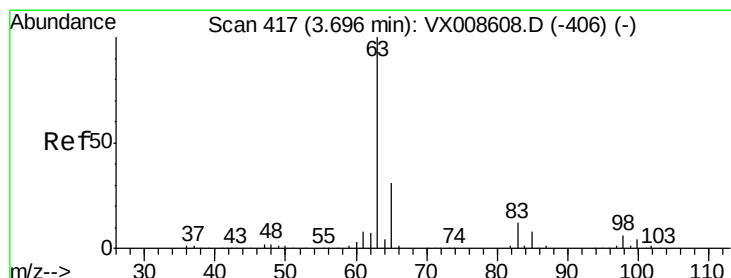
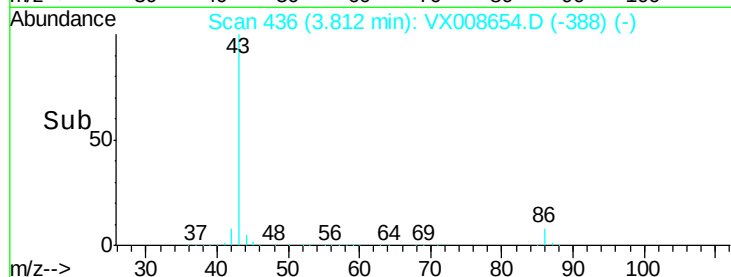
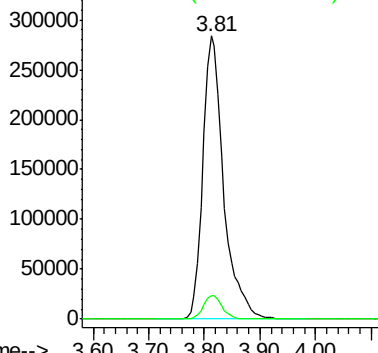
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.523 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

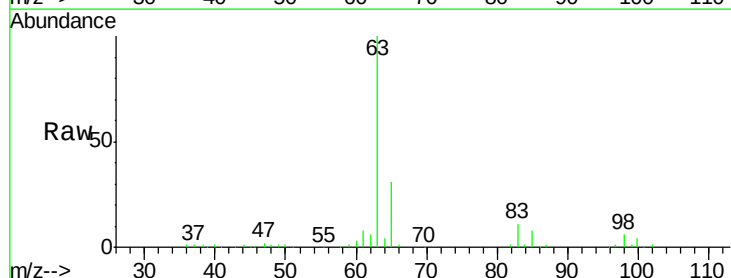
Tgt Ion: 63 Resp: 81707

Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

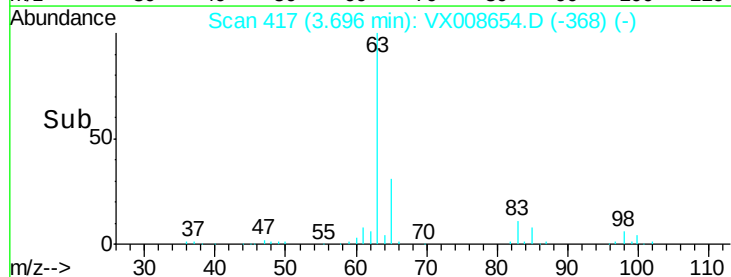
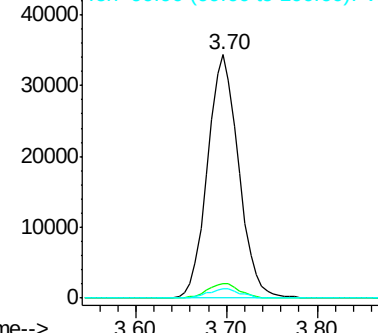
100 3.8 1.8 5.5

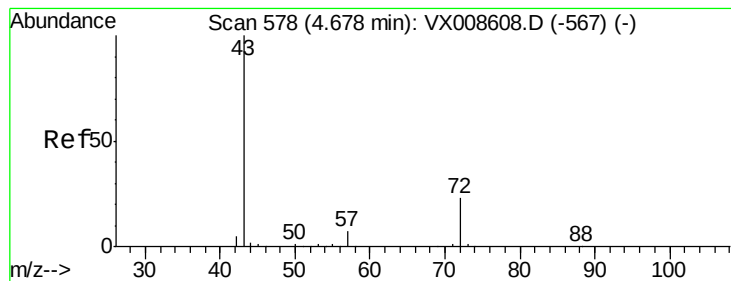


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 93.111 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tot Ion: 43 Resp: 215930

Ion Ratio Lower Upper

43 100

72 22.1 18.2 27.4

Instrument :

MSVOA_X

ClientSampled :

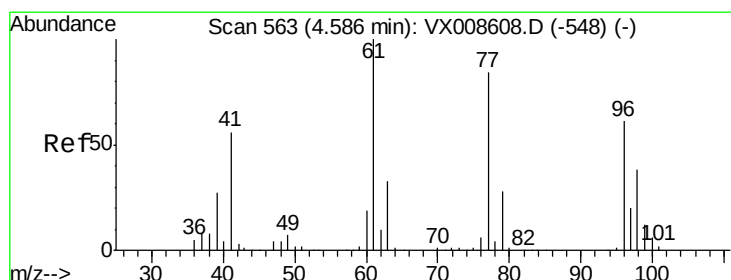
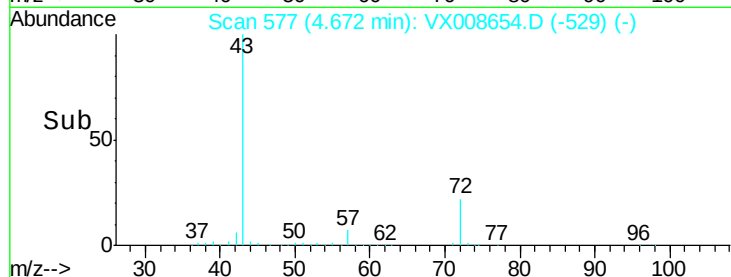
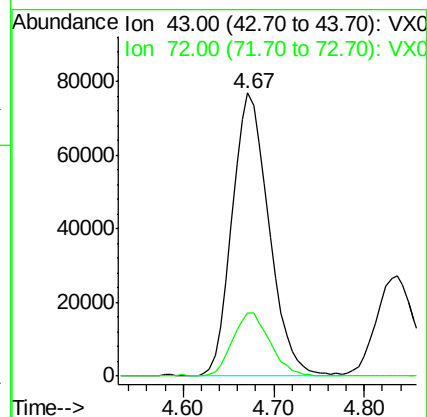
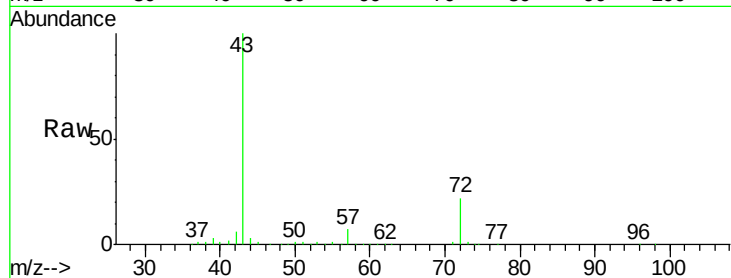
VX0404WBSD02

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#26

2,2-Dichloropropane

Concen: 15.071 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008654.D

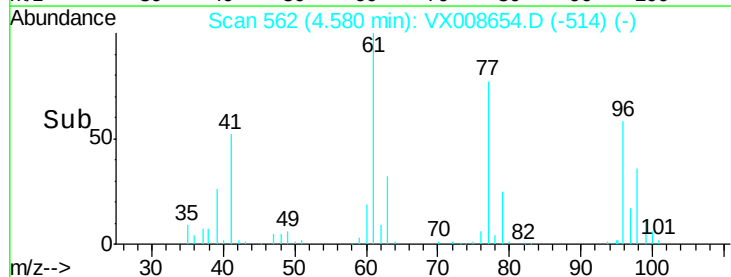
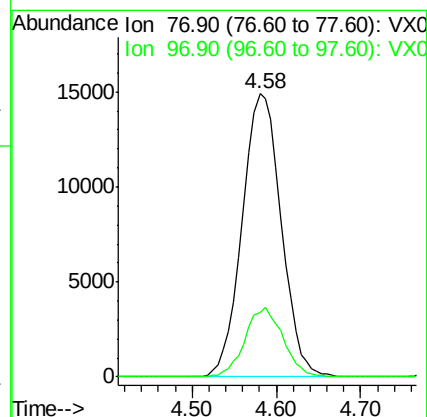
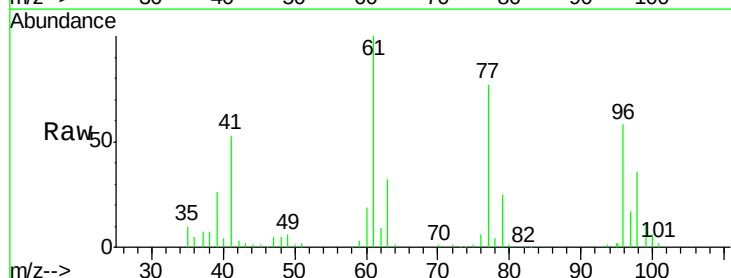
Acq: 04 Apr 2019 23:06

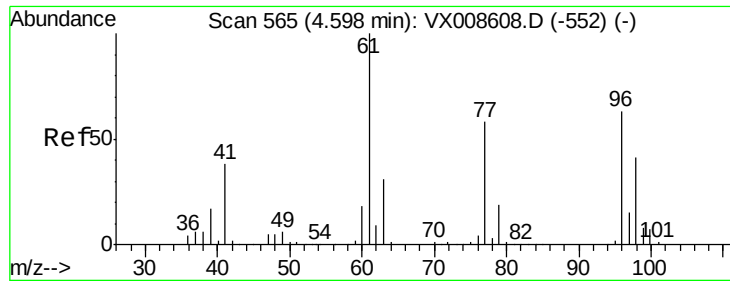
Tgt Ion: 77 Resp: 46823

Ion Ratio Lower Upper

77 100

97 23.9 11.5 34.5





#27

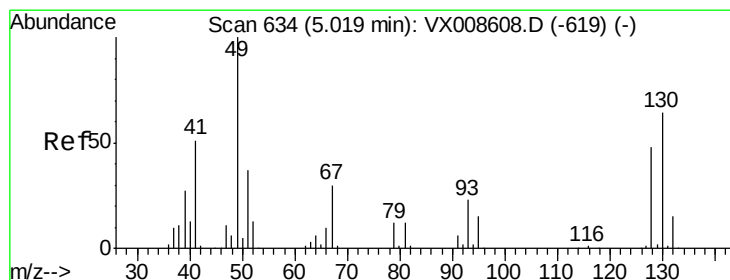
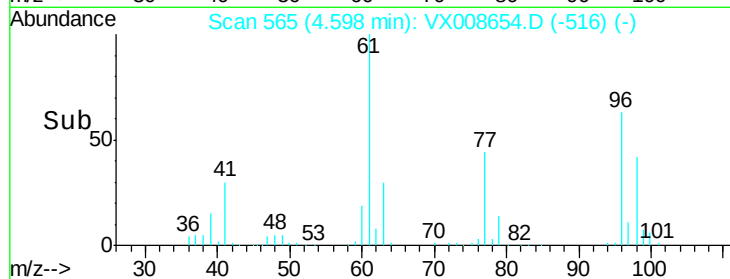
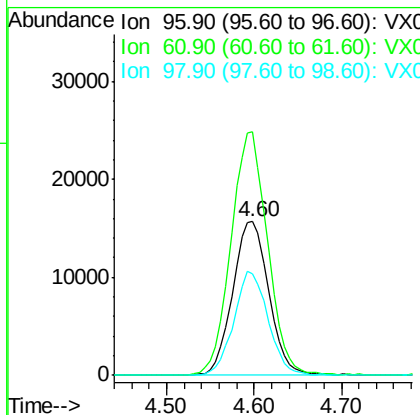
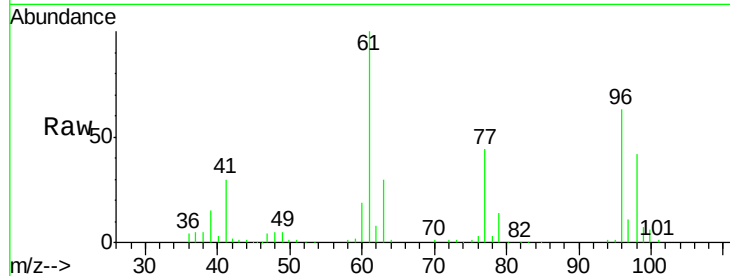
cis-1,2-Dichloroethene
Concen: 17.965 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	45111		
61	160.2	0.0	327.6	
98	64.1	0.0	128.6	

Manual Integrations
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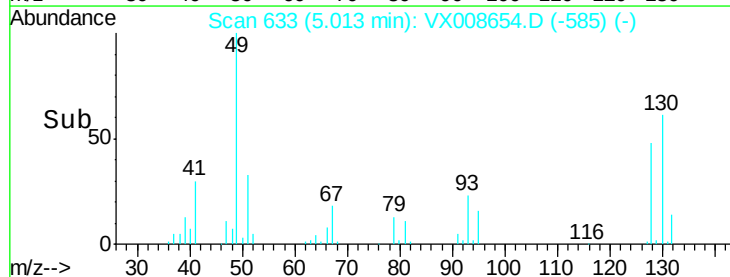
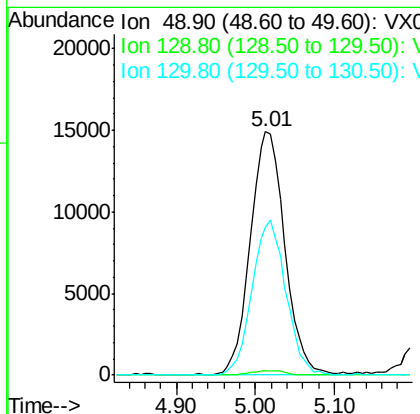
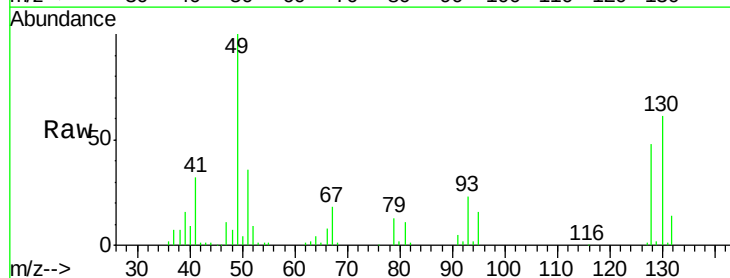
MMDadoda
4/5/2019 10:54:00 AM

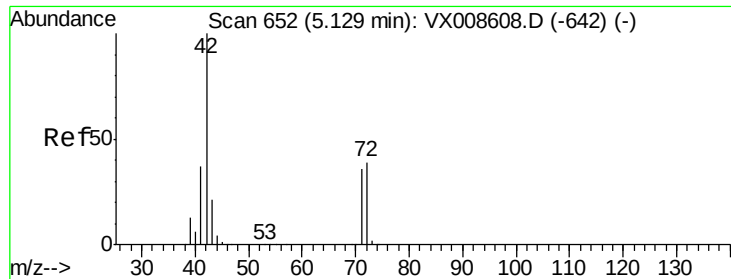


#28

Bromochloromethane
Concen: 23.078 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	45526		
129	1.8	0.0	3.6	
130	62.1	49.3	73.9	





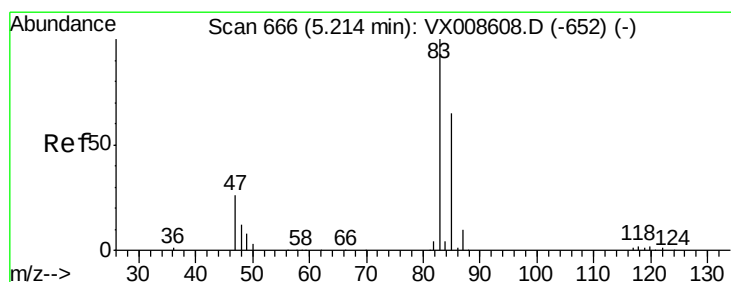
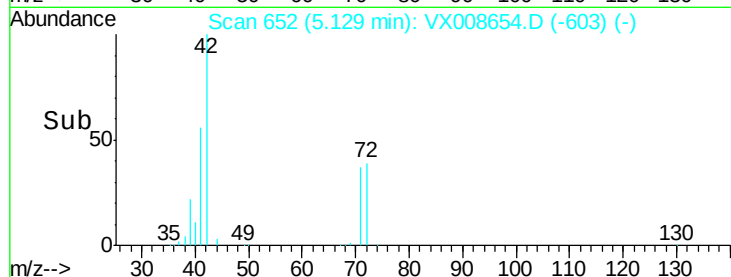
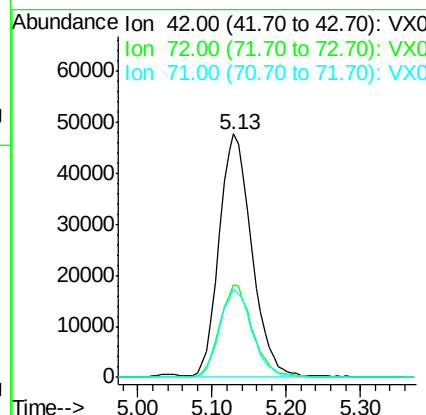
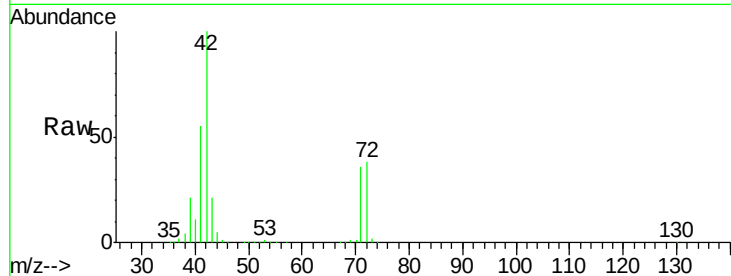
#29
Tetrahydrofuran
Concen: 93.930 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	30.5	45.7
71	36.3	28.6	43.0

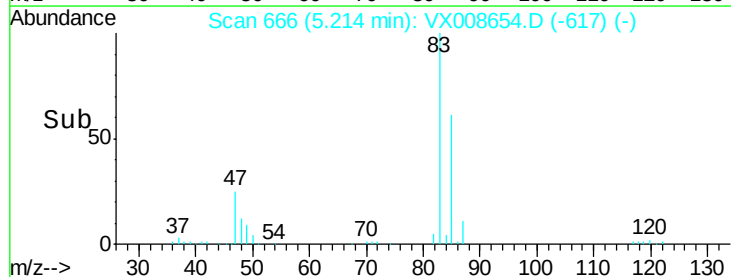
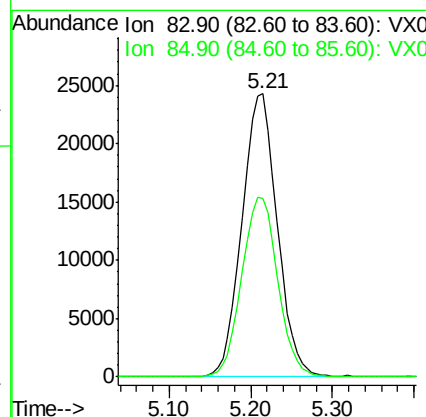
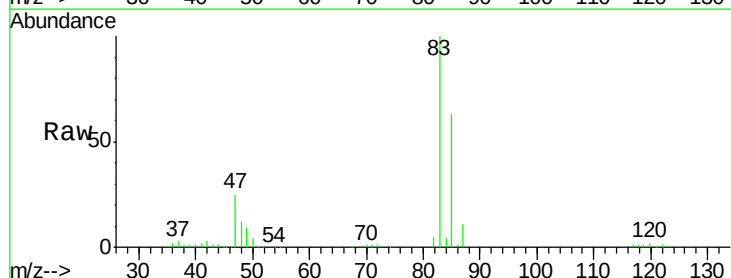
Manual Integrations
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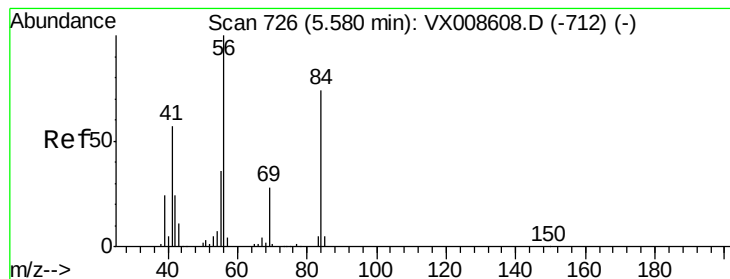
MMDadoda
4/5/2019 10:54:00 AM



#30
Chloroform
Concen: 18.561 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.1	78.1





#31

Cyclohexane

Concen: 17.585 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

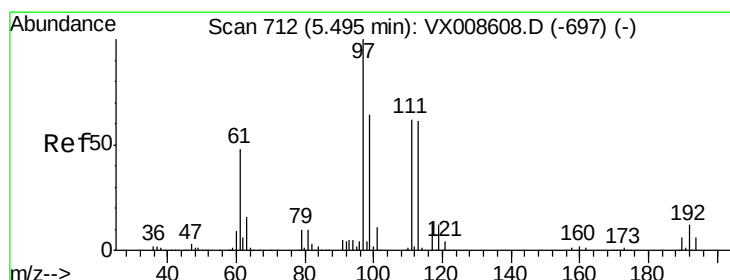
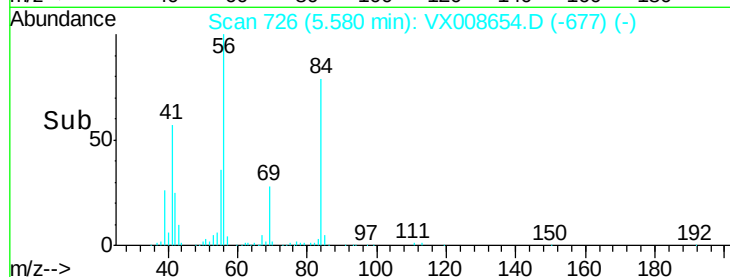
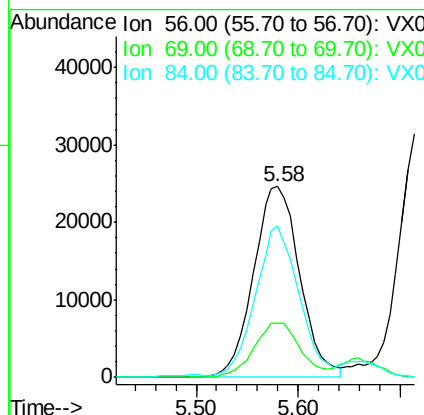
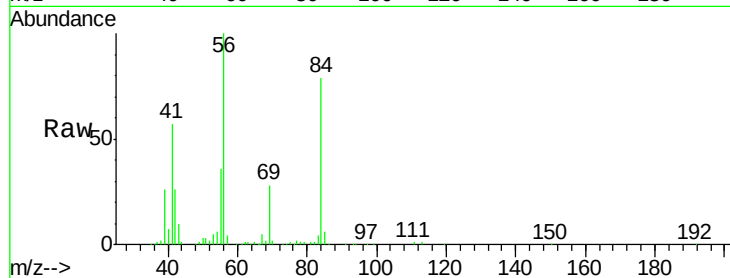
ClientSampleId :

VX0404WBSD02

Tot Ion:	56	Resp:	77398
Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.6	33.8
84	77.8	59.3	88.9

Manual Integrations
APPROVED

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4/5/2019 10:54:00 AM



#32

1,1,1-Trichloroethane

Concen: 18.627 ug/l

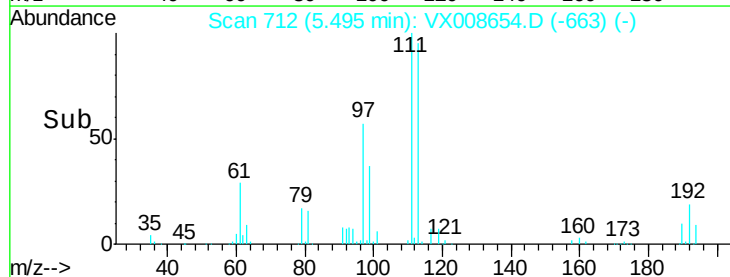
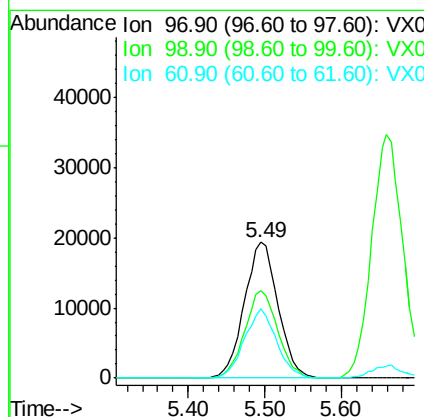
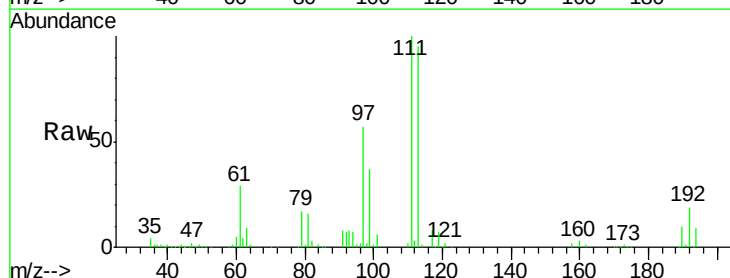
RT: 5.49 min Scan# 712

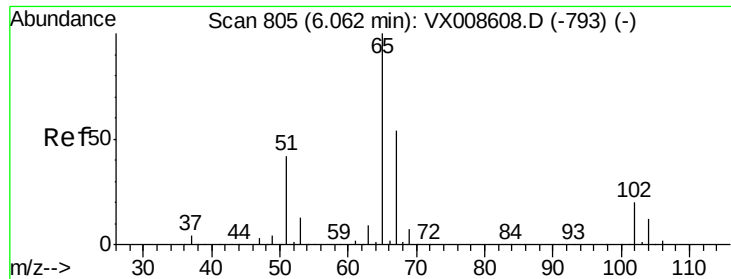
Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	97	Resp:	59303
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	49.0	38.9	58.3





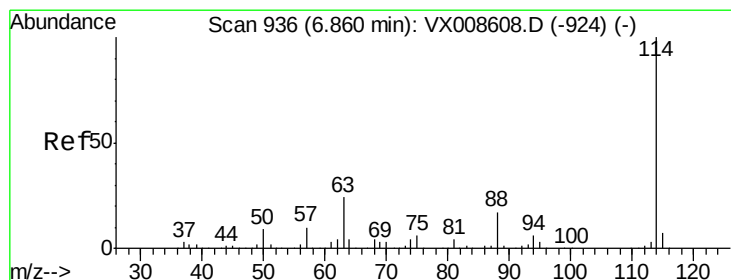
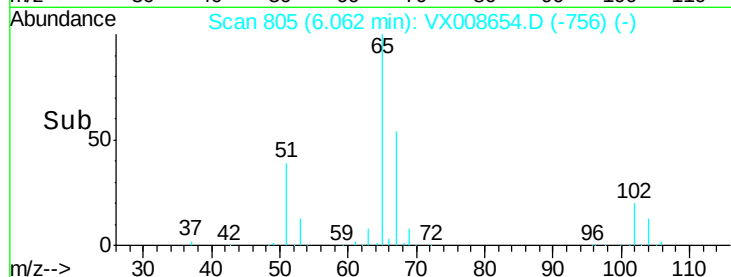
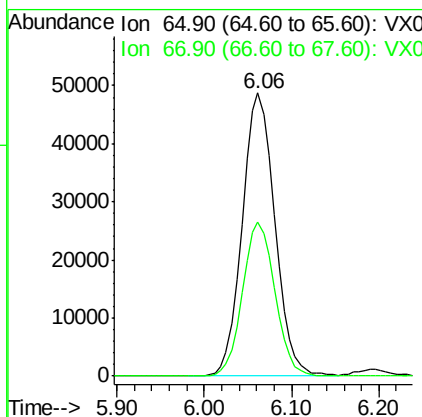
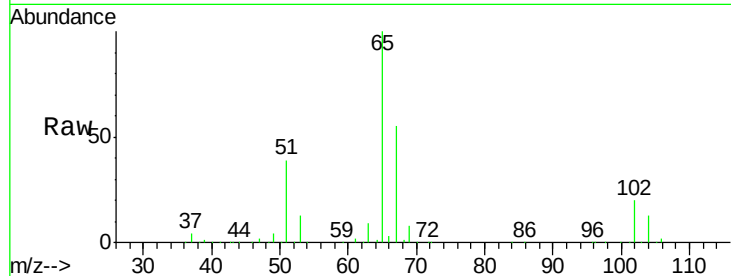
#33
 1,2-Dichloroethane-d4
 Concen: 49.651 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	107.2

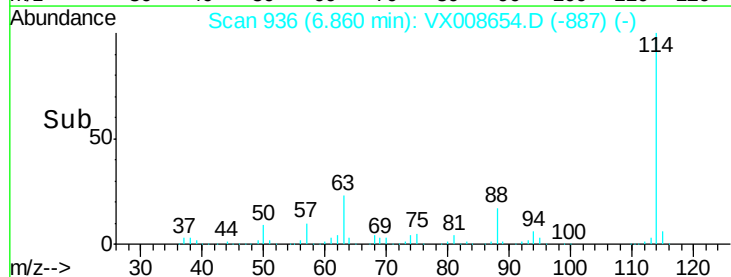
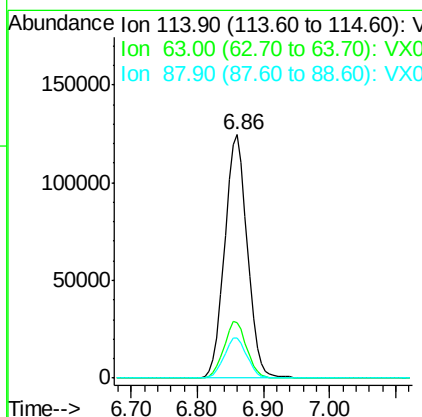
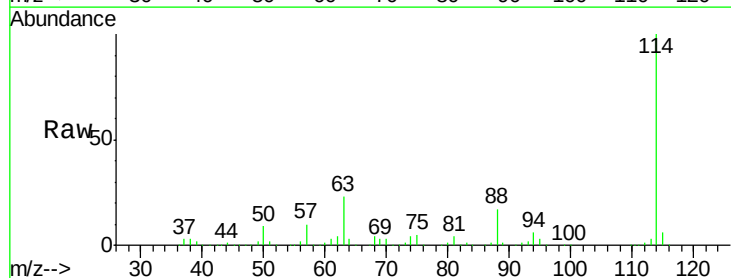
Manual Integrations
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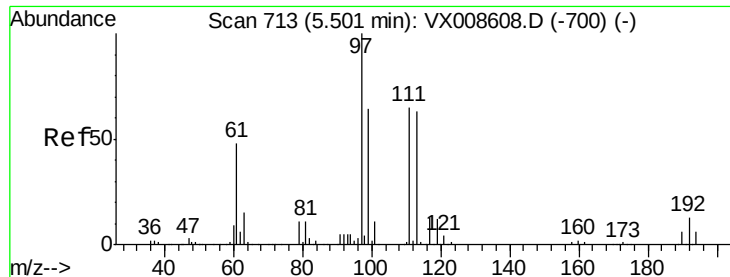
MMDadoda
 4/5/2019 10:54:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	47.2
88	16.7	0.0	34.0





#35

Dibromofluoromethane

Concen: 49.250 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD02

Tot Ion:113 Resp: 92878

Ion Ratio Lower Upper

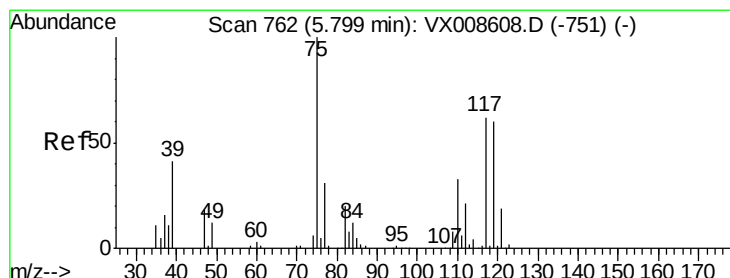
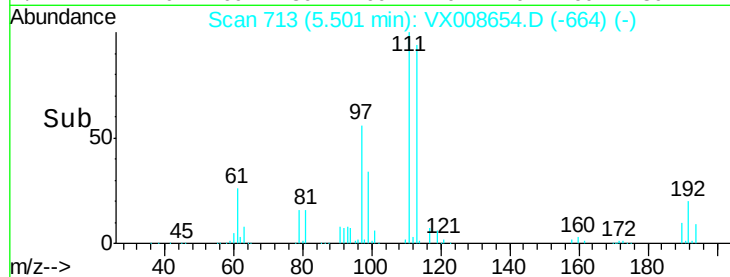
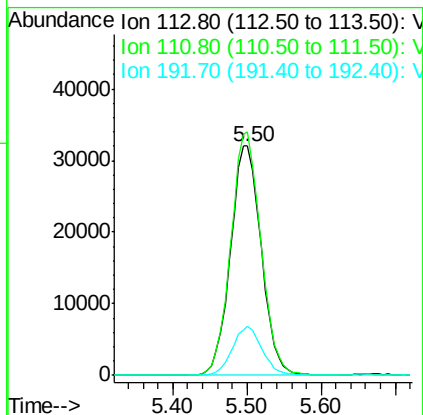
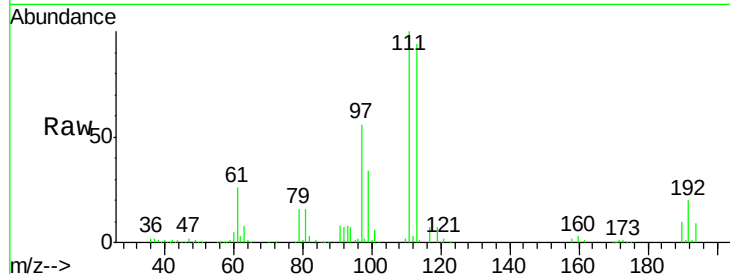
113 100

111 104.0 83.4 125.2

192 20.6 16.1 24.1

Manual Integrations
APPROVED

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4/5/2019 10:54:00 AM



#36

1,1-Dichloropropene

Concen: 17.582 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

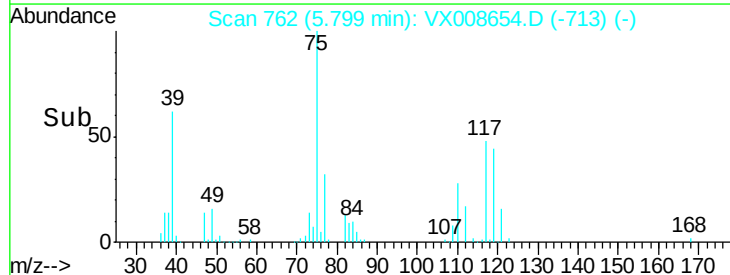
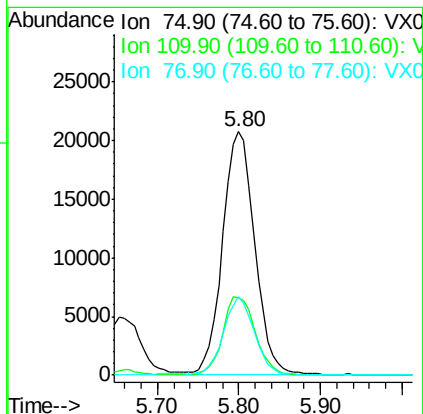
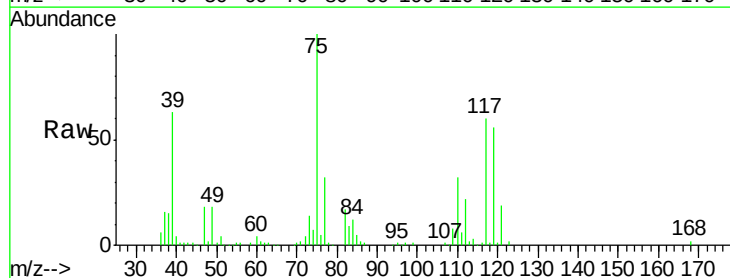
Tgt Ion: 75 Resp: 56689

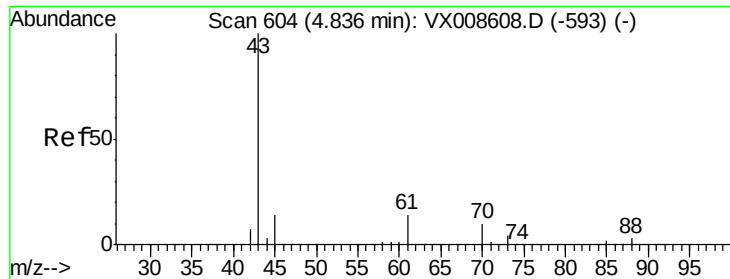
Ion Ratio Lower Upper

75 100

110 32.8 16.4 49.2

77 31.0 24.7 37.1





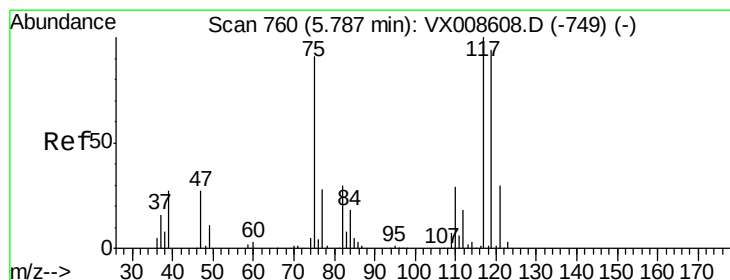
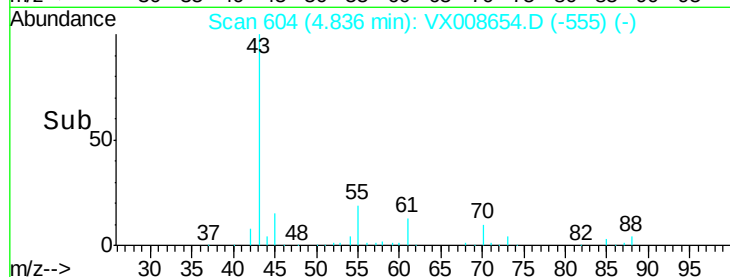
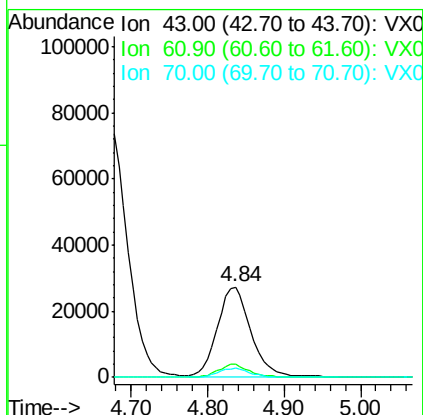
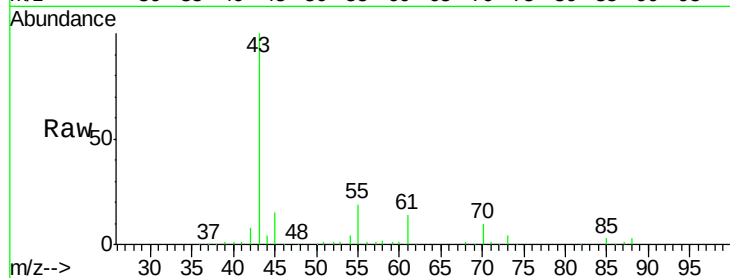
#37
Ethyl Acetate
Concen: 18.916 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampled :
VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.3	15.5
70	9.9	7.6	11.4

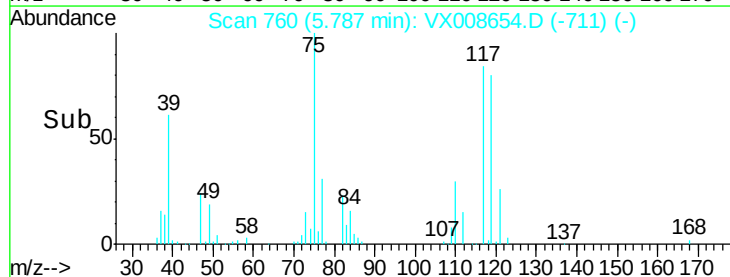
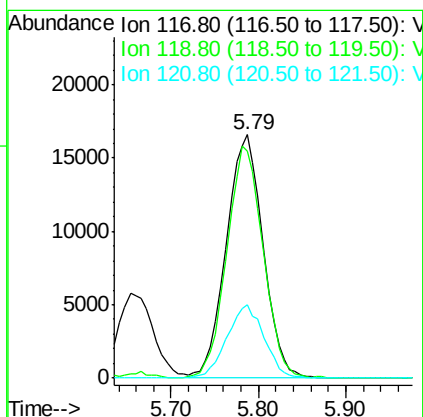
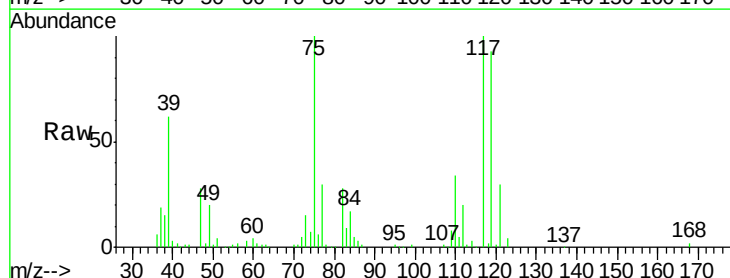
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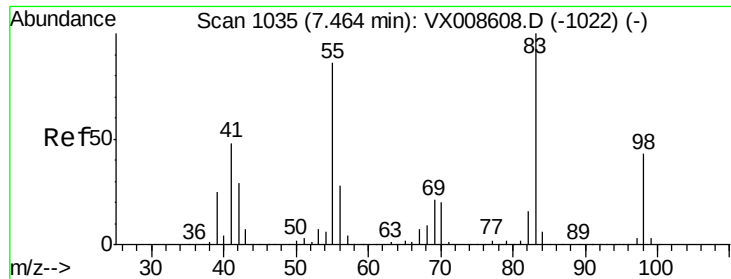
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.168 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.0	112.6
121	30.3	24.3	36.5





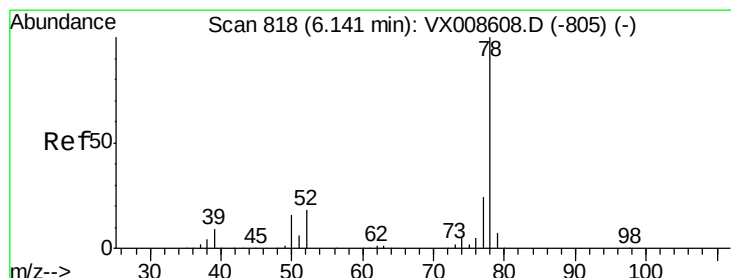
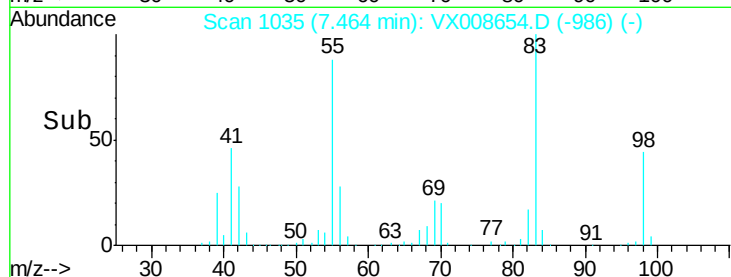
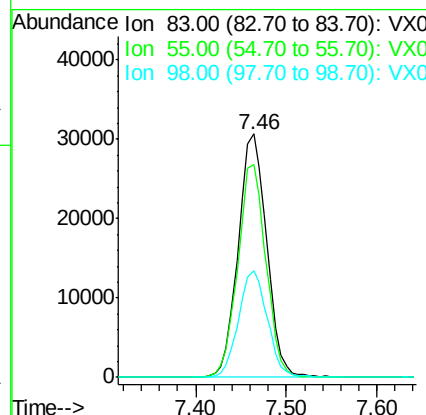
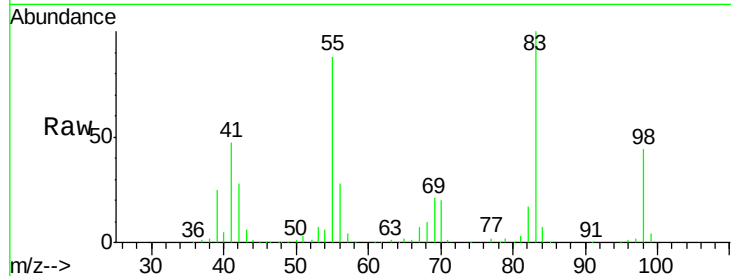
#39
Methylvlcyclohexane
Concen: 16.802 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	69.0	103.6
98	43.7	34.4	51.6

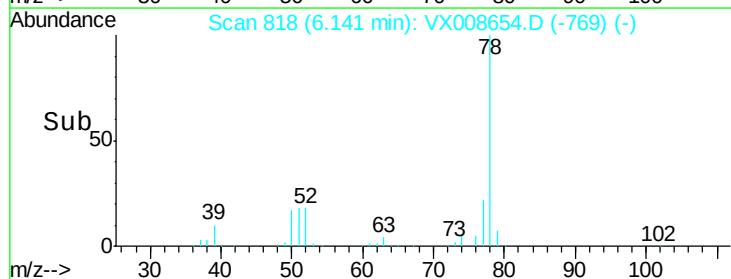
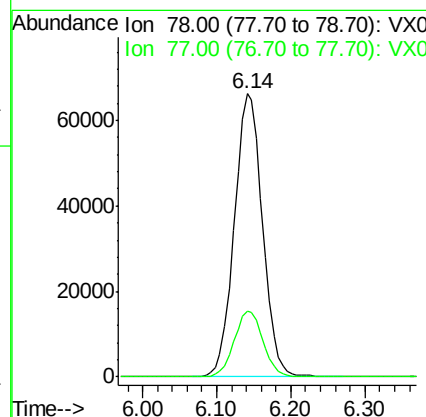
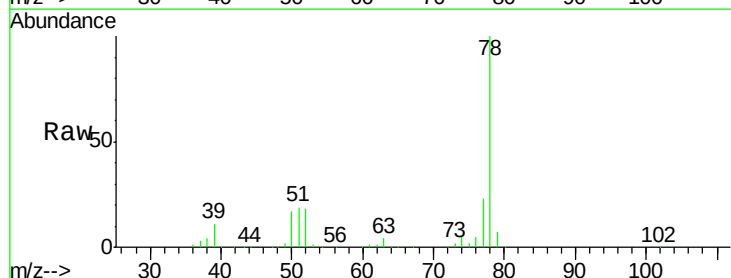
Manual Integrations
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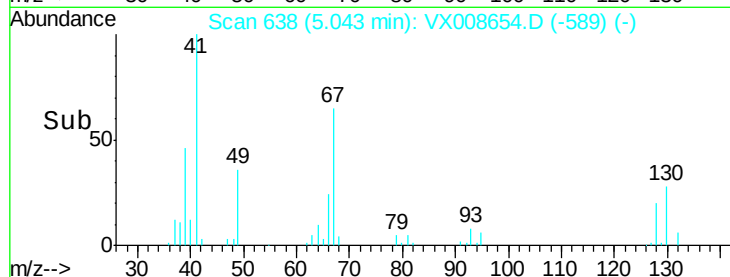
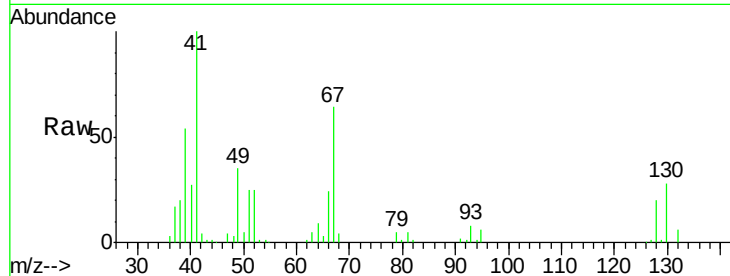
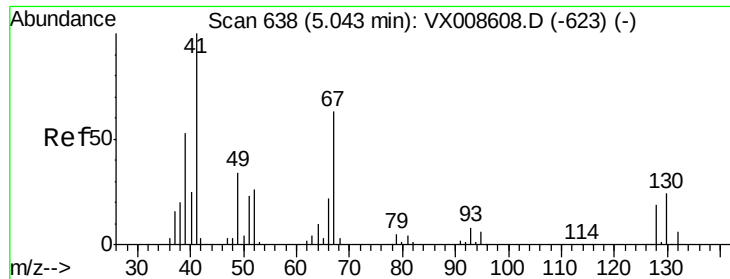
MMDadoda
4/5/2019 10:54:00 AM



#40
Benzene
Concen: 18.264 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

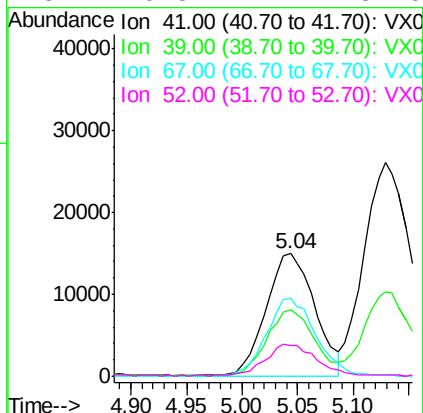
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





#41
Methacrylonitrile
Concen: 18.331 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

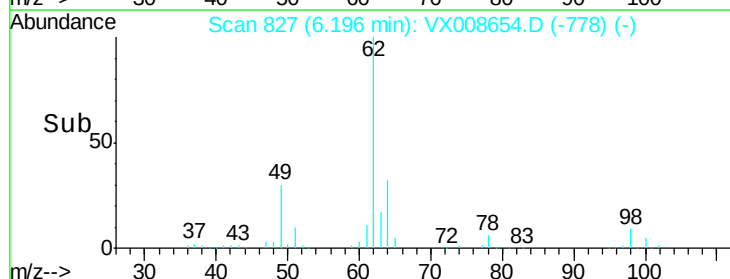
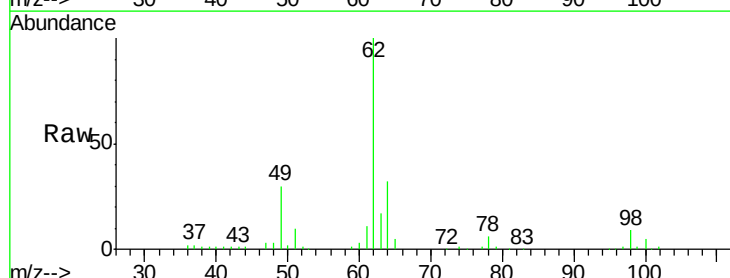
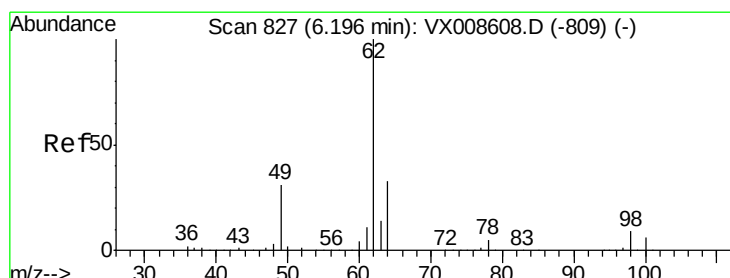
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.1	63.1	
67	65.1	51.0	76.6	
52	26.3	21.4	32.0	



Instrument :
MSVOA_X
ClientSampleId :
VX0404WBSD02

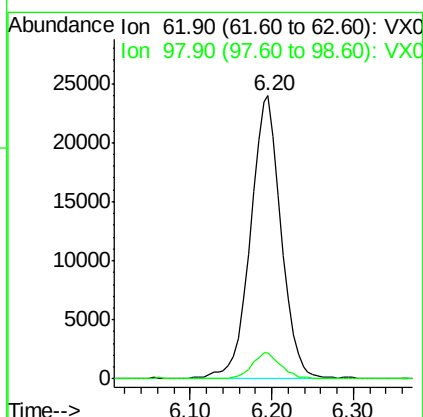
Manual Integrations
APPROVED

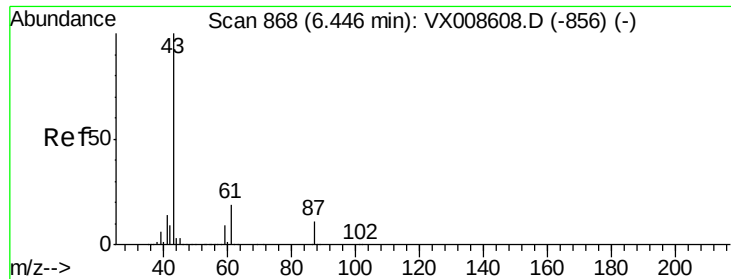
MMDadoda
4/5/2019 10:54:00 AM



#42
1,2-Dichloroethane
Concen: 17.984 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.0	





#43

Isopropyl Acetate

Concen: 18.885 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

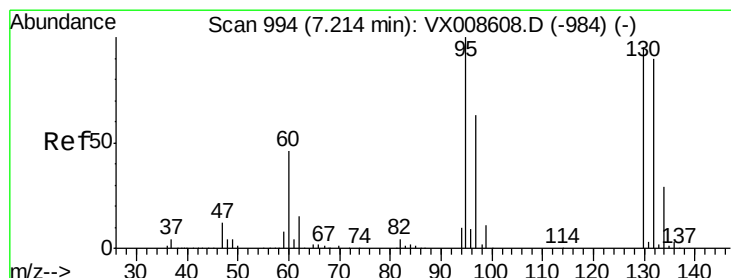
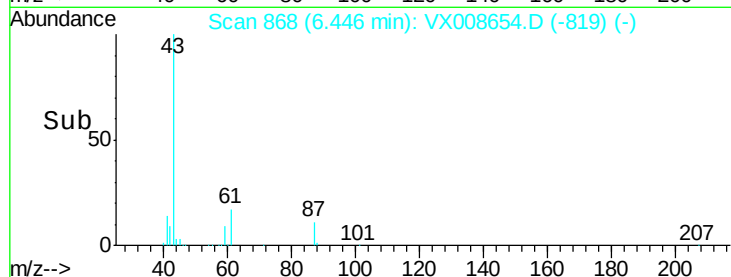
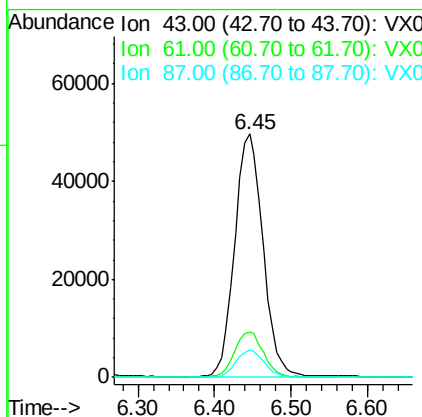
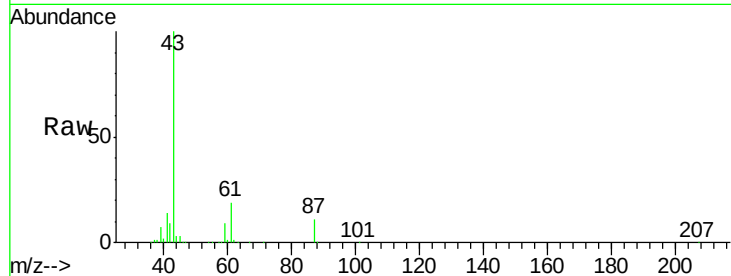
ClientSampled :

VX0404WBSD02

Tot Ion:	43	Resp:	127312
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.3	22.9
87	11.2	9.0	13.6

Manual Integrations
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4/5/2019 10:54:00 AM



#44

Trichloroethene

Concen: 18.027 ug/l

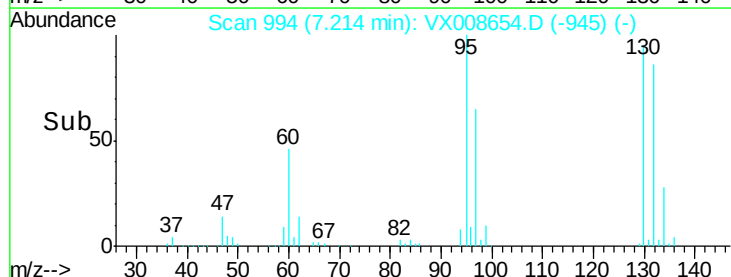
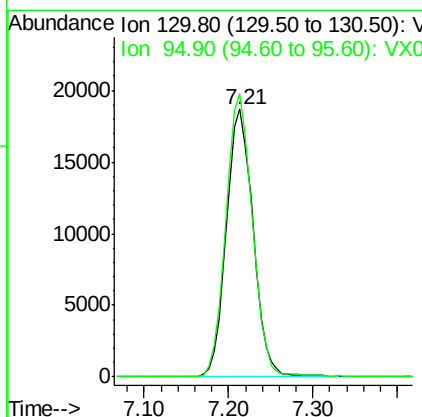
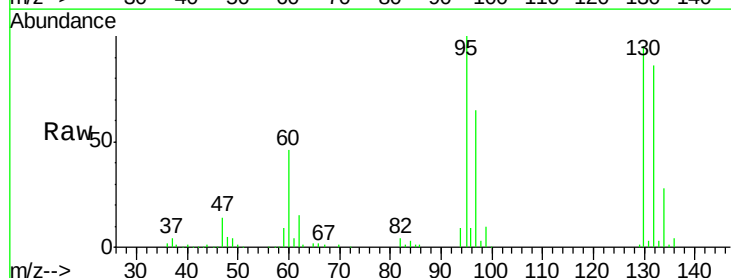
RT: 7.21 min Scan# 994

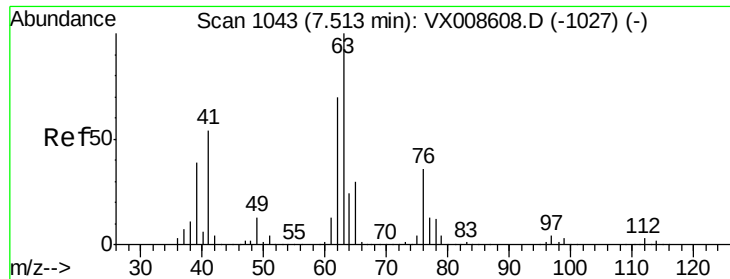
Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	130	Resp:	40329
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	209.8





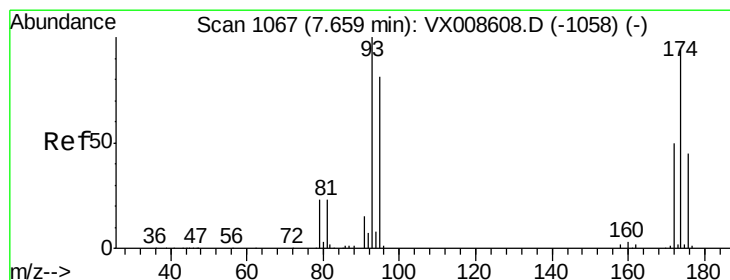
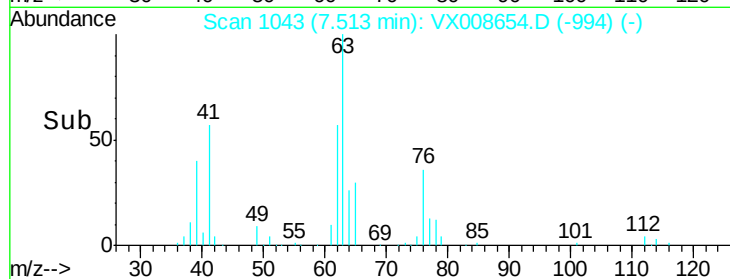
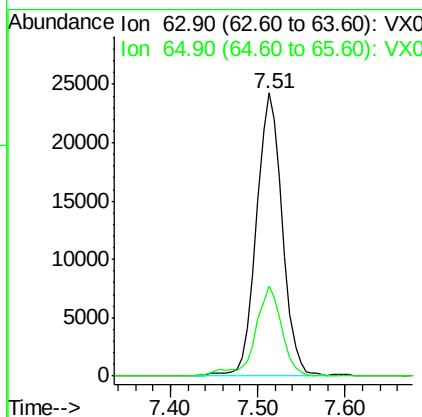
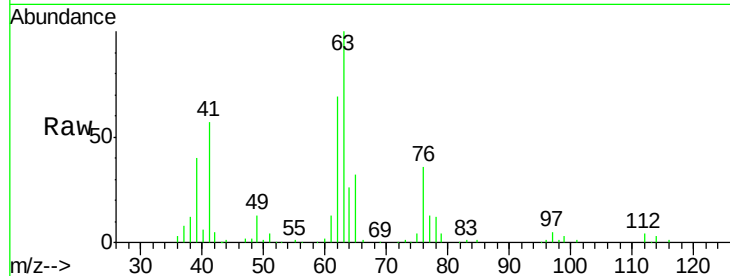
#45
 1,2-Dichloropropane
 Concen: 18.189 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD02

Tot Ion: 63 Resp: 49866
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.2 36.4

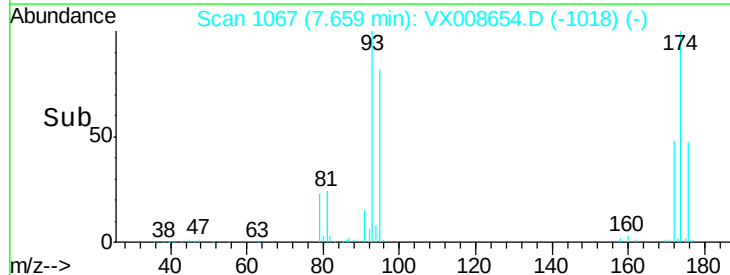
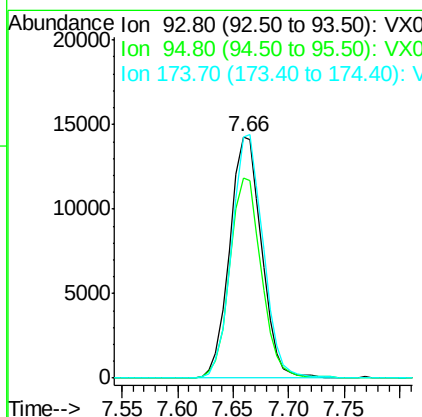
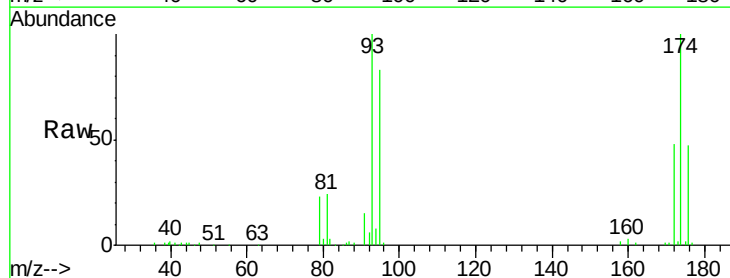
Manual Integrations
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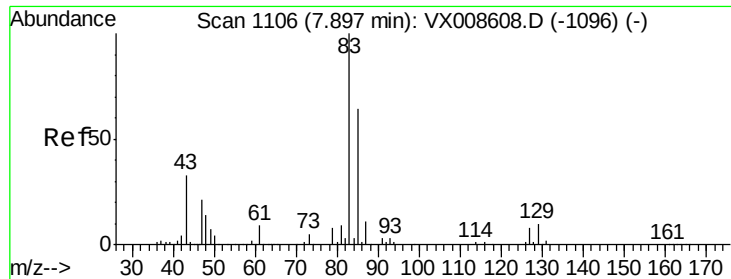
MMDadoda
 4/5/2019 10:54:00 AM



#46
 Dibromomethane
 Concen: 17.843 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Tgt Ion: 93 Resp: 28372
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 99.8
 174 99.5 77.7 116.5





#47

Bromodichloromethane

Concen: 18.266 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

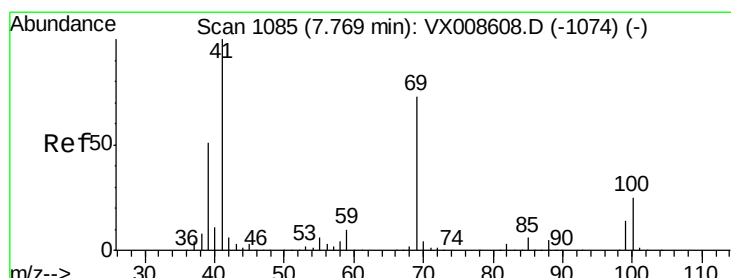
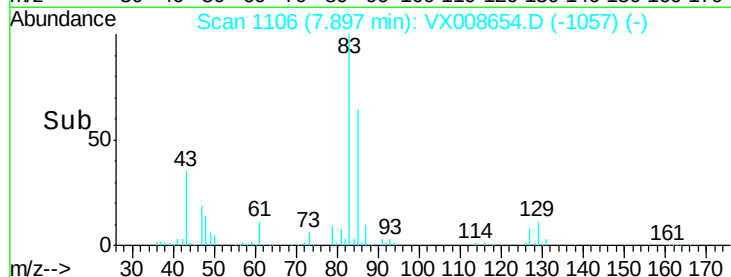
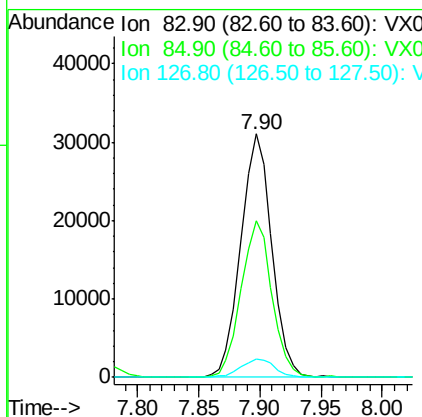
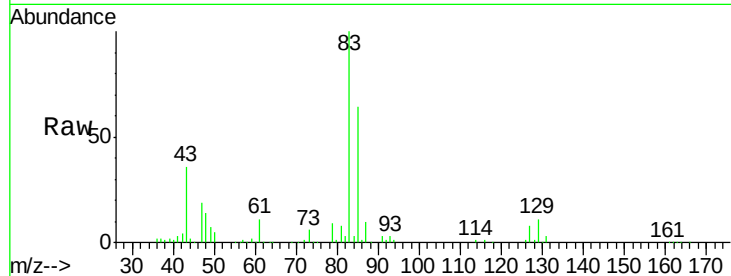
ClientSampleId :

VX0404WBSD02

Tot Ion:	83	Resp:	54761
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	7.5	6.6	10.0

Manual Integrations
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MMDadoda
4/5/2019 10:54:00 AM



#48

Methyl methacrylate

Concen: 18.834 ug/l

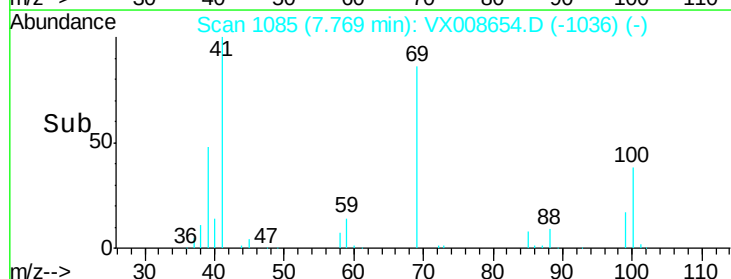
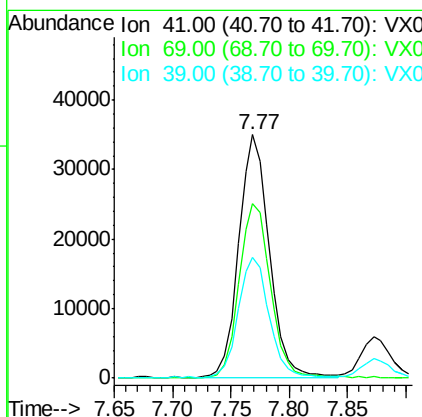
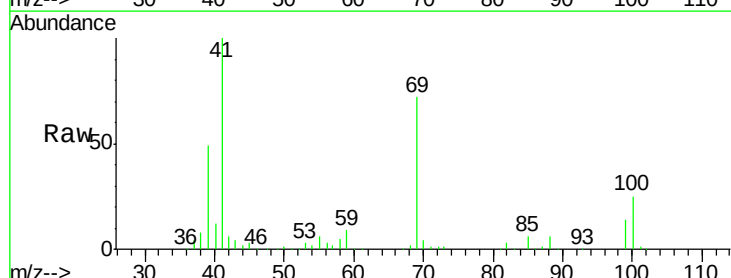
RT: 7.77 min Scan# 1085

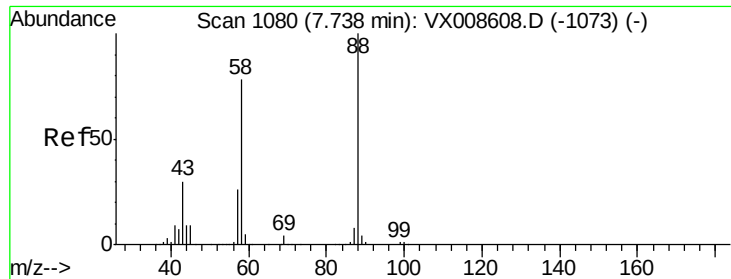
Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	41	Resp:	64227
Ion	Ratio	Lower	Upper
41	100		
69	73.9	59.0	88.4
39	49.3	41.0	61.4





#49

1,4-Dioxane

Concen: 403.563 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

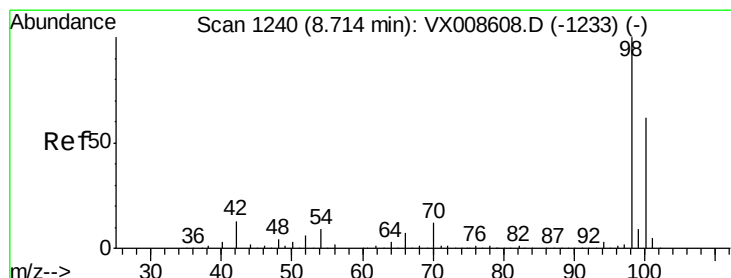
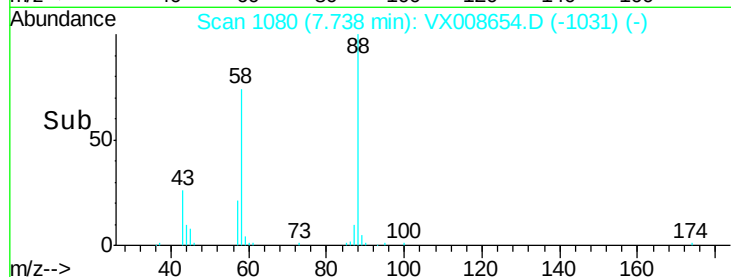
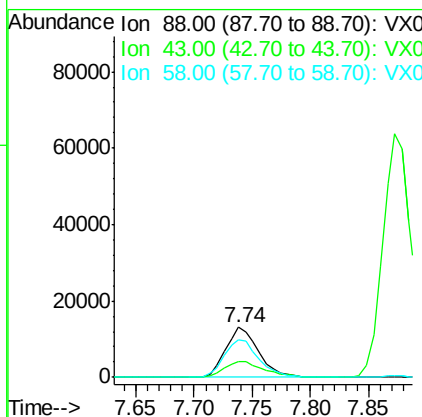
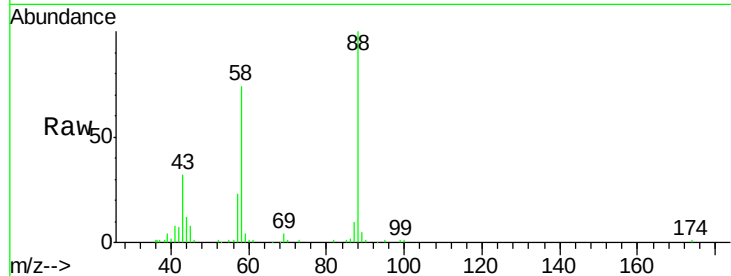
ClientSampleId :

VX0404WBSD02

Tot Ion:	88	Resp:	25781
Ion	Ratio	Lower	Upper
88	100		
43	36.5	28.6	43.0
58	79.8	62.2	93.2

Manual Integrations
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#50

Toluene-d8

Concen: 50.058 ug/l

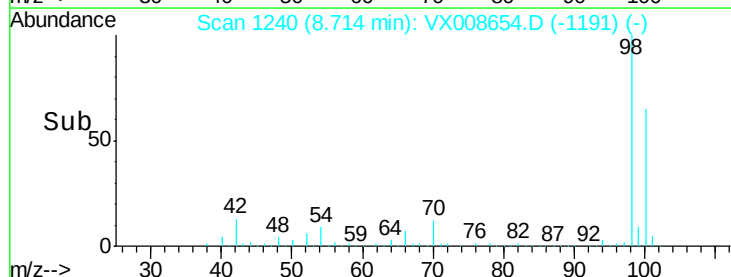
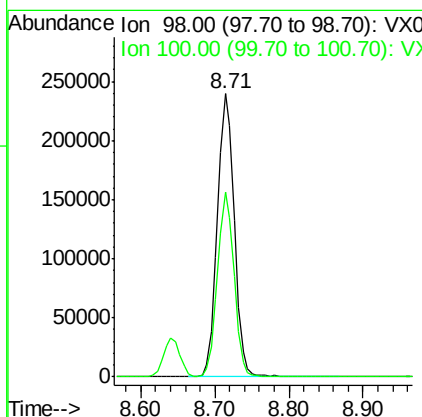
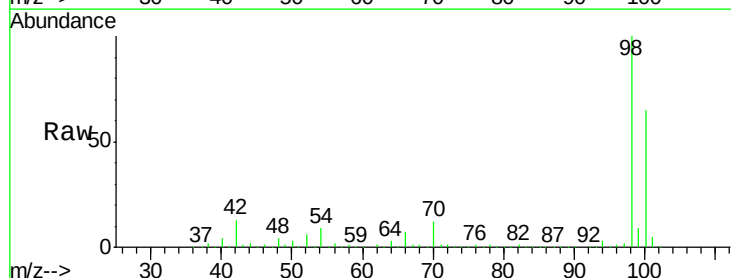
RT: 8.71 min Scan# 1240

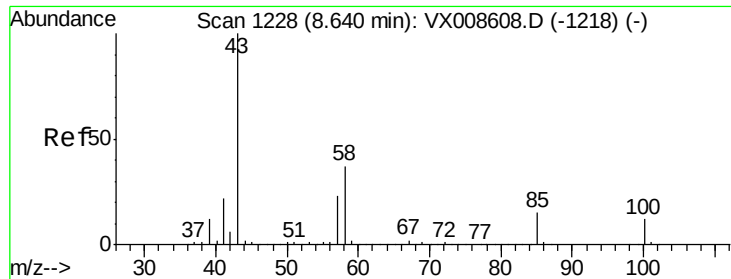
Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	98	Resp:	375885
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 97.037 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD02

Tot Ion: 43 Resp: 421124

Ion Ratio Lower Upper

43 100

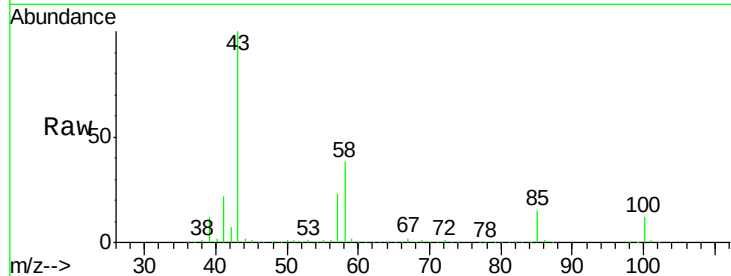
58 37.1 29.5 44.3

Manual Integrations

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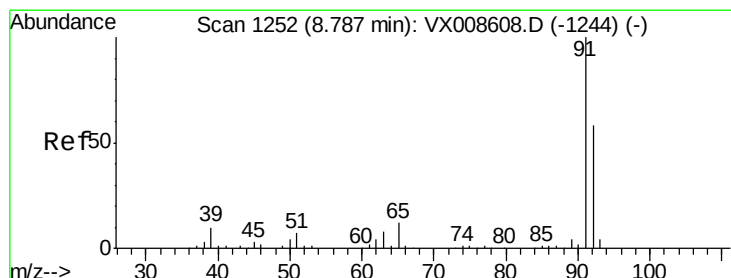
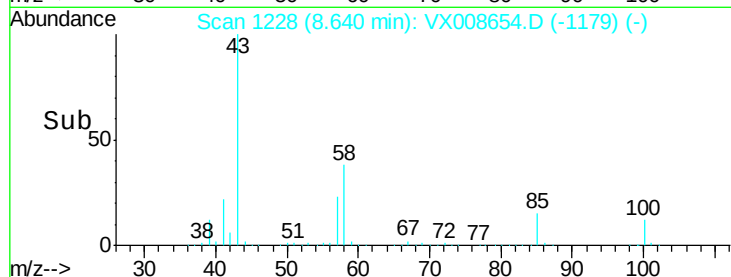
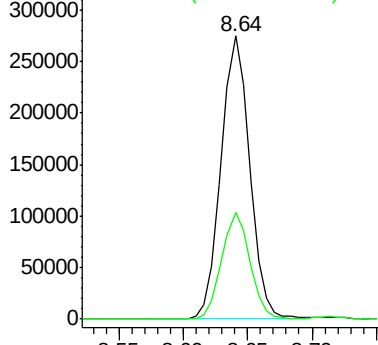
MMDadoda

4/5/2019 10:54:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.558 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008654.D

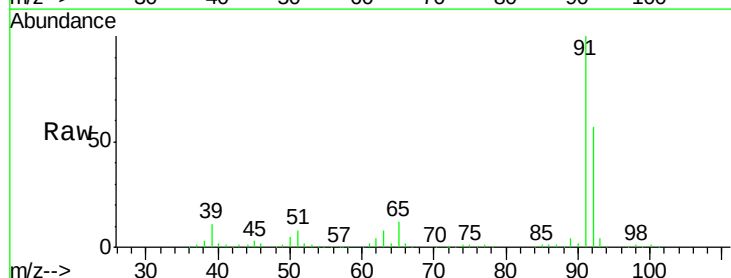
Acq: 04 Apr 2019 23:06

Tgt Ion: 92 Resp: 105090

Ion Ratio Lower Upper

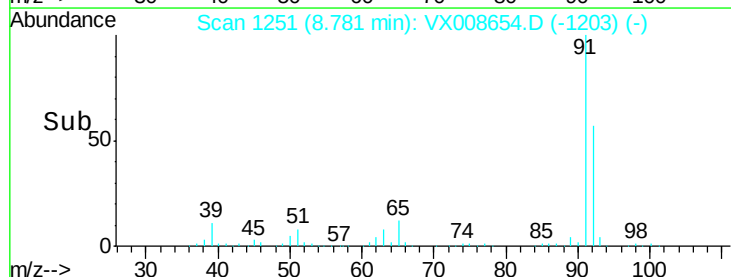
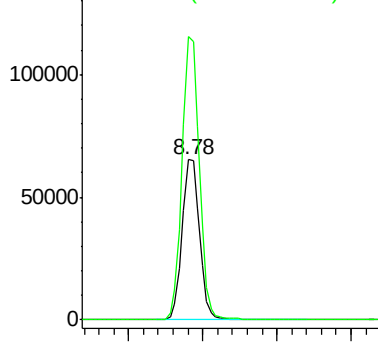
92 100

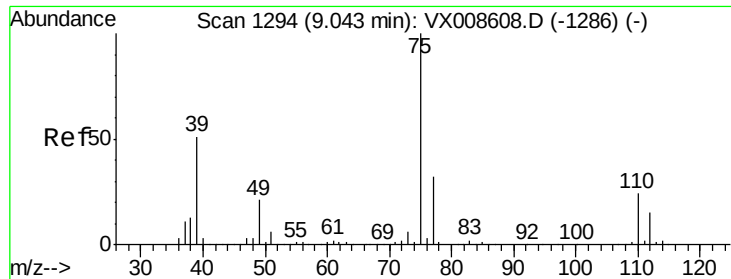
91 175.4 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





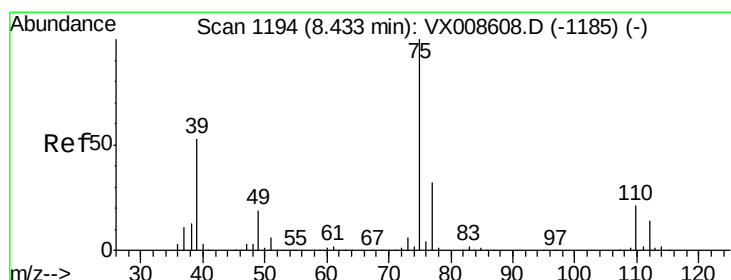
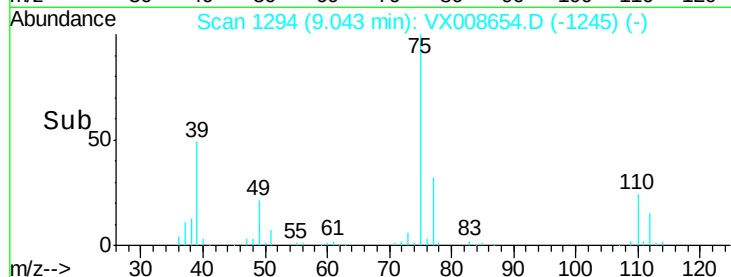
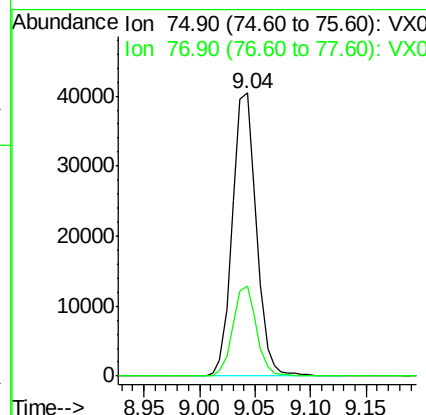
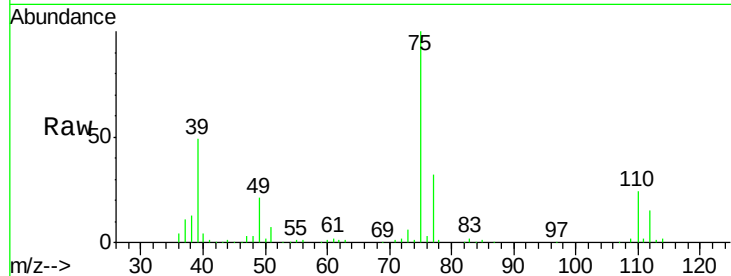
#53
 t-1,3-Dichloropropene
 Concen: 17.992 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD02

Tot Ion: 75 Resp: 60423
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.2 37.8

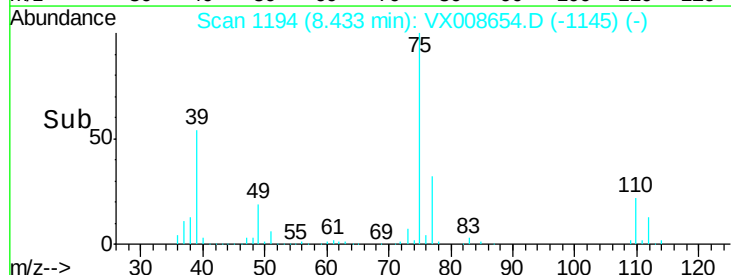
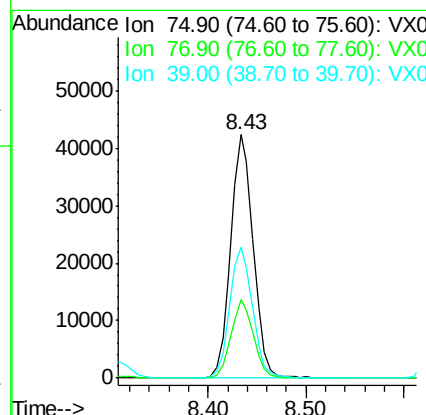
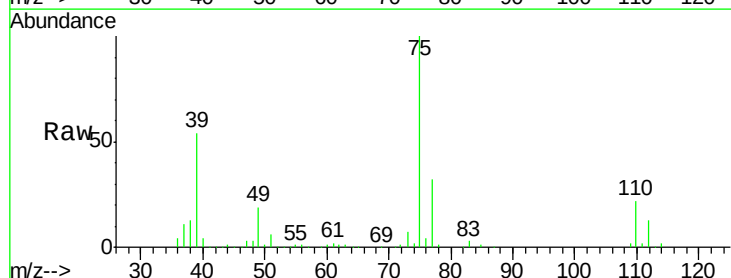
Manual Integrations
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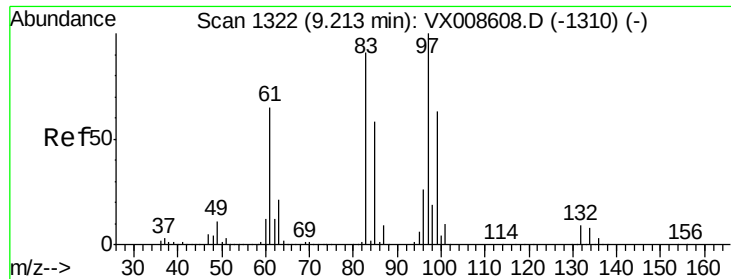
MMDadoda
 4/5/2019 10:54:00 AM



#54
 cis-1,3-Dichloropropene
 Concen: 17.619 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Tgt Ion: 75 Resp: 67610
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 53.7 42.6 63.8





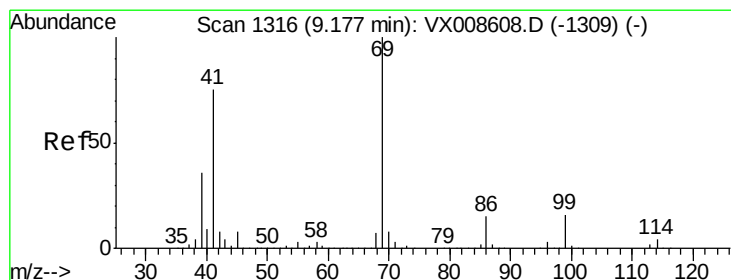
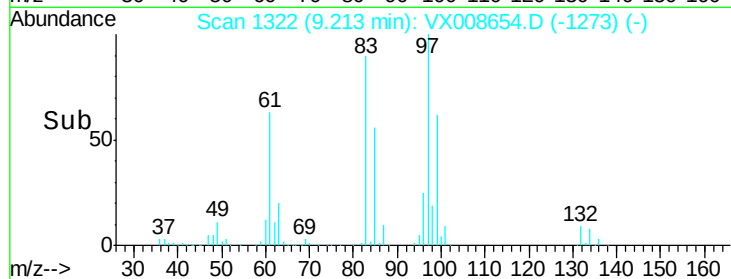
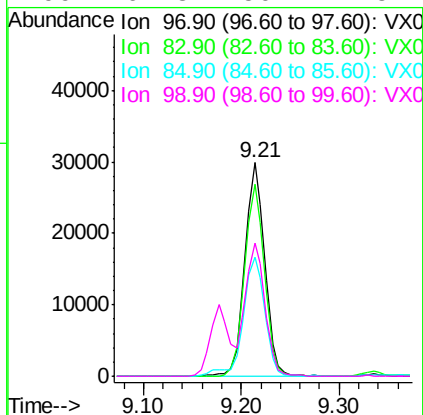
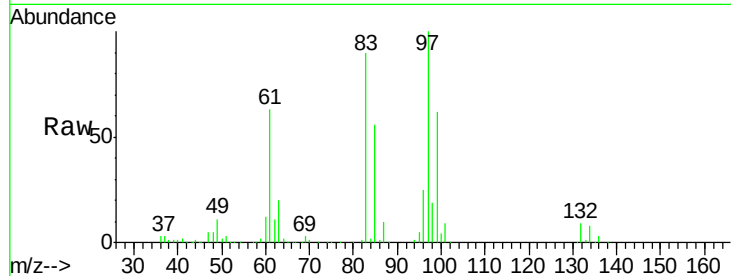
#55
 1,1,2-Trichloroethane
 Concen: 18.719 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD02

Tot Ion:	97	Resp:	42549
Ion	Ratio	Lower	Upper
97	100		
83	90.0	73.2	109.8
85	55.6	46.6	69.8
99	62.3	50.1	75.1

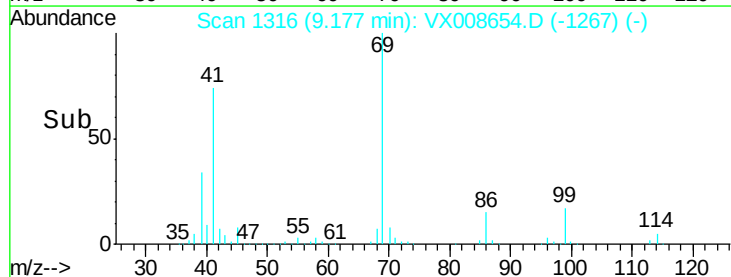
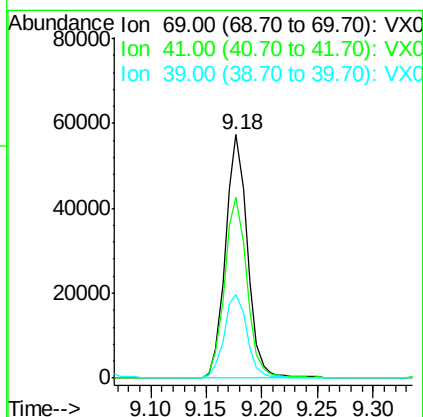
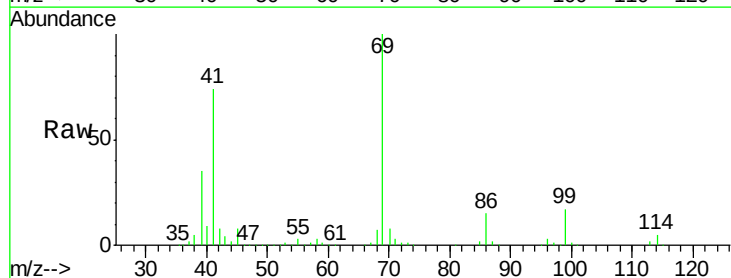
Manual Integrations
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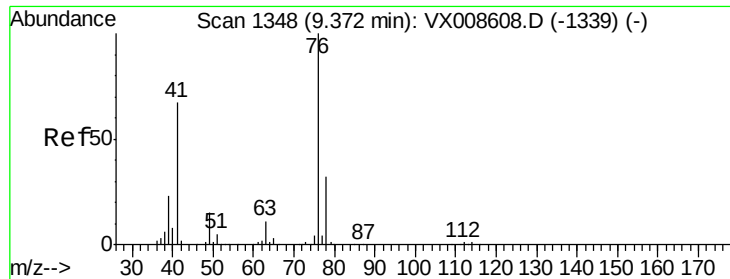
MMDadoda
 4/5/2019 10:54:00 AM



#56
 Ethyl methacrylate
 Concen: 19.128 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Tgt Ion:	69	Resp:	78667
Ion	Ratio	Lower	Upper
69	100		
41	75.5	60.1	90.1
39	35.4	28.9	43.3





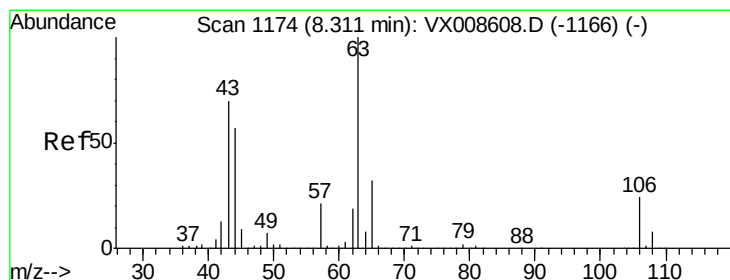
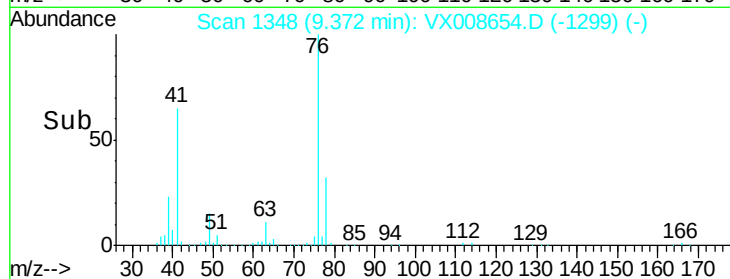
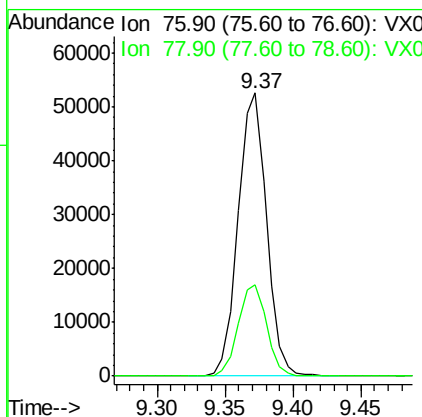
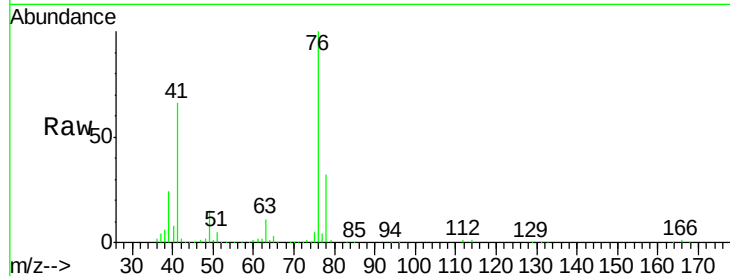
#57
 1,3-Dichloropropane
 Concen: 18.764 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD02

Tot Ion: 76 Resp: 76588
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

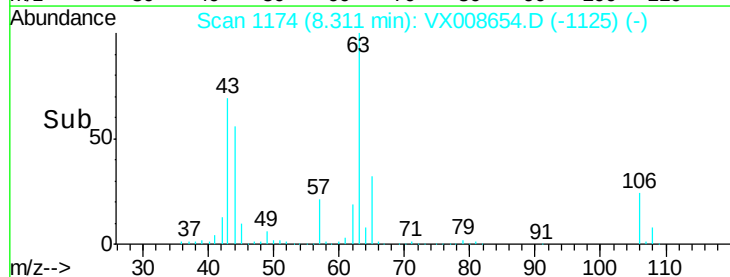
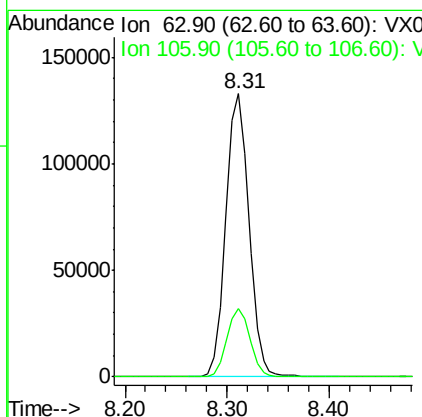
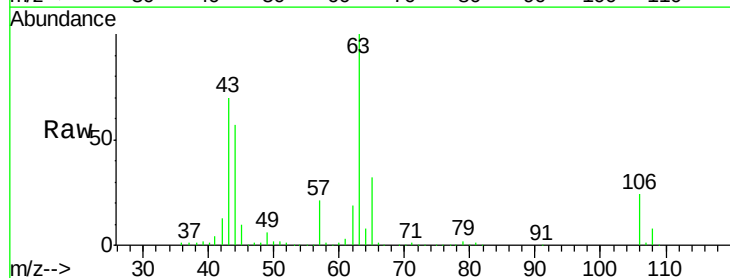
Manual Integrations
 APPROVED

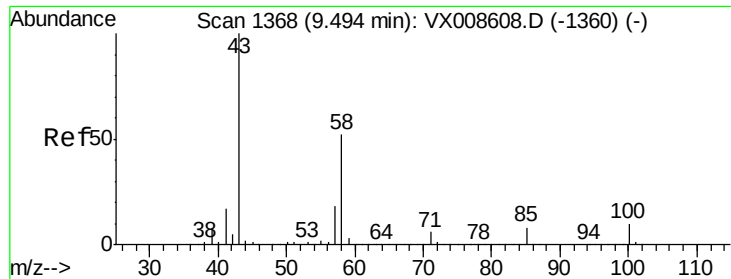
MMDadoda
 4/5/2019 10:54:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.593 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Tgt Ion: 63 Resp: 209149
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.0 28.6





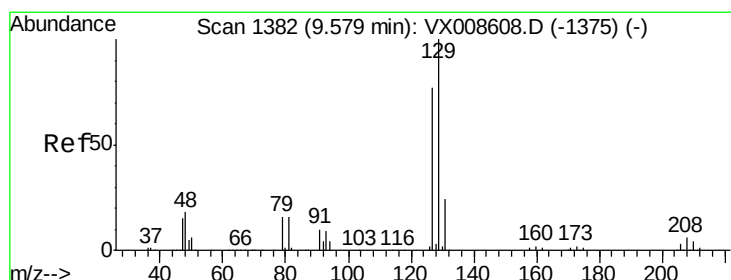
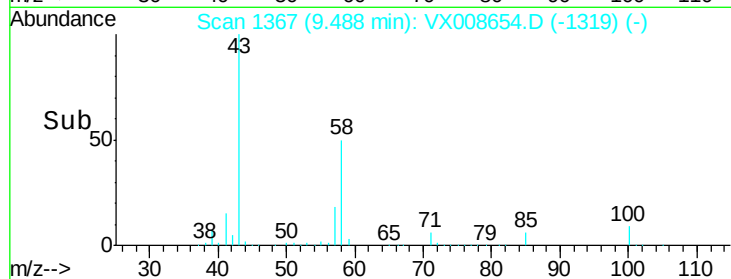
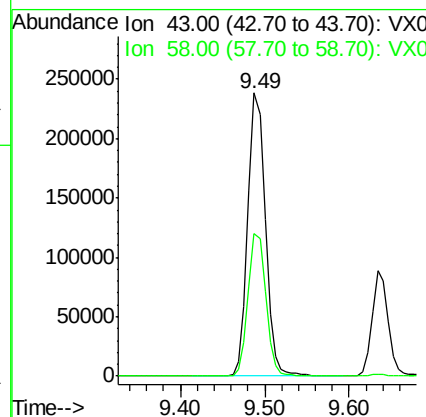
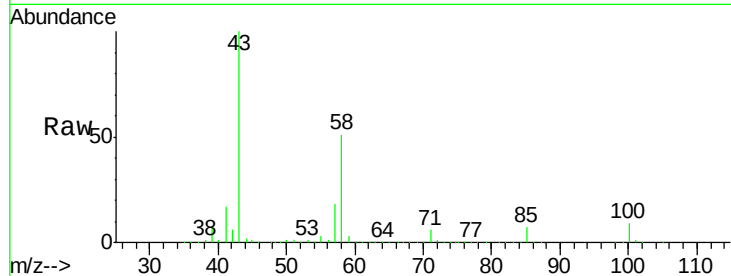
#59
2-Hexanone
Concen: 98.470 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampled :
VX0404WBSD02

Tot Ion: 43 Resp: 332108
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7

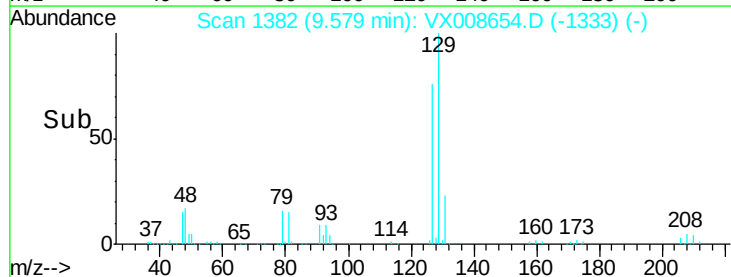
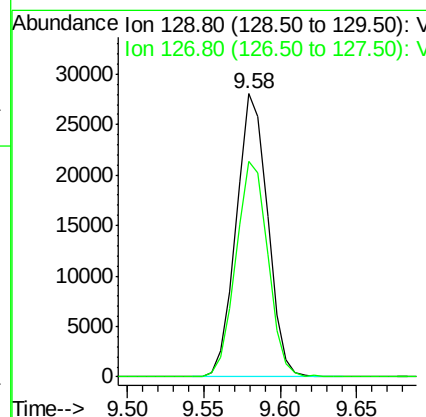
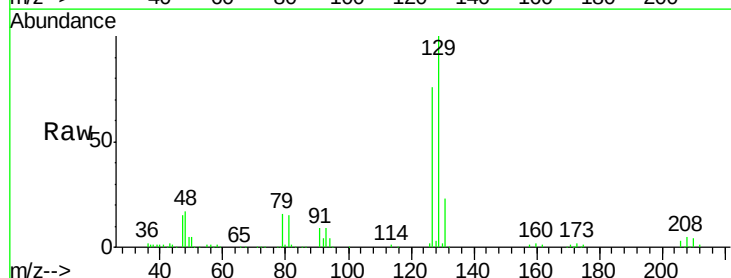
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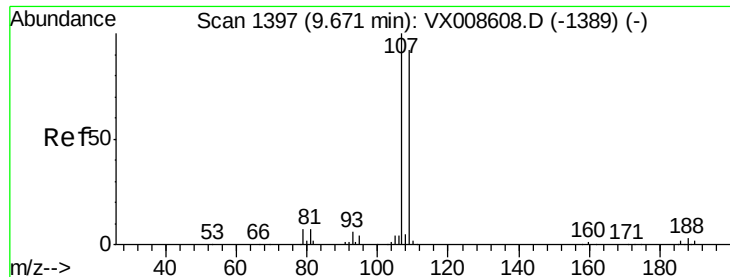
MMDadoda
4/5/2019 10:54:00 AM



#60
Dibromochloromethane
Concen: 18.645 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion: 129 Resp: 39937
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





#61

1,2-Dibromoethane

Concen: 18.491 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD02

Tot Ion:107 Resp: 43756

Ion Ratio Lower Upper

107 100

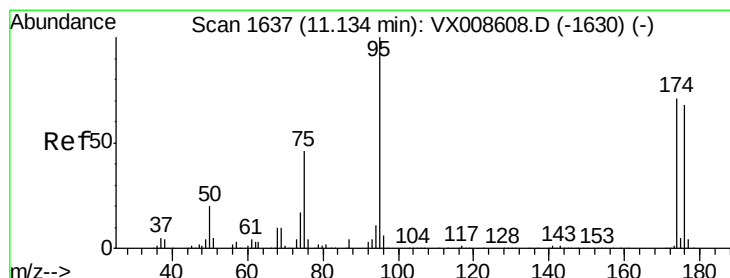
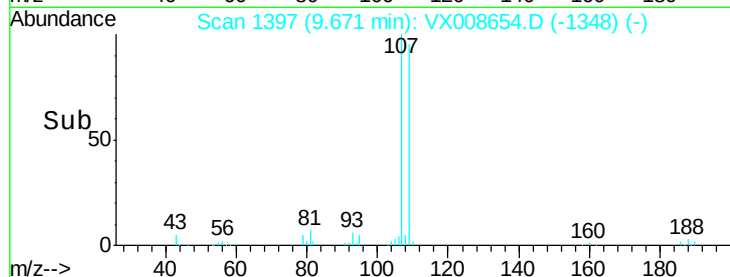
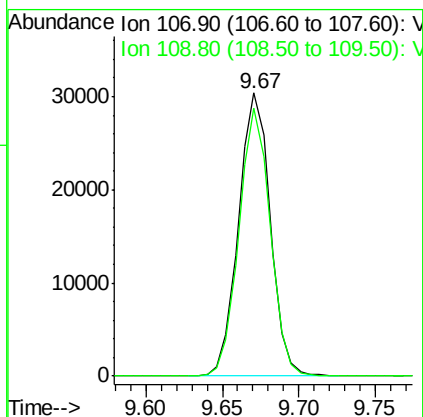
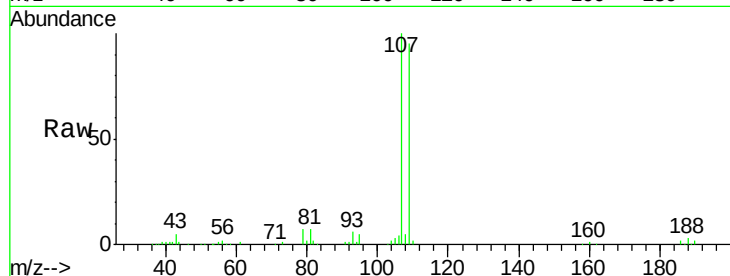
109 93.2 74.1 111.1

Manual Integrations

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MMDadoda

4/5/2019 10:54:00 AM



#62

4-Bromofluorobenzene

Concen: 51.400 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

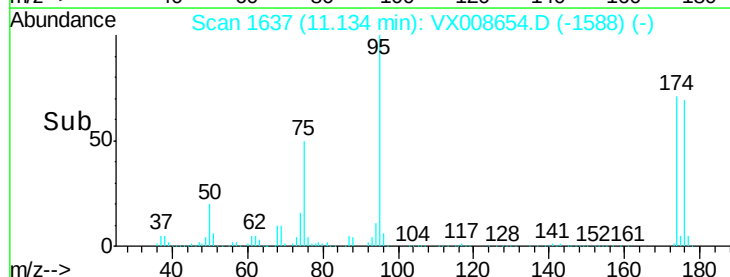
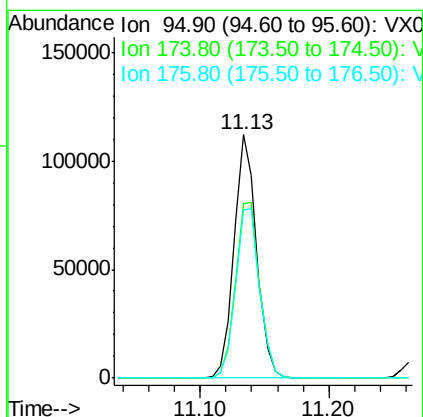
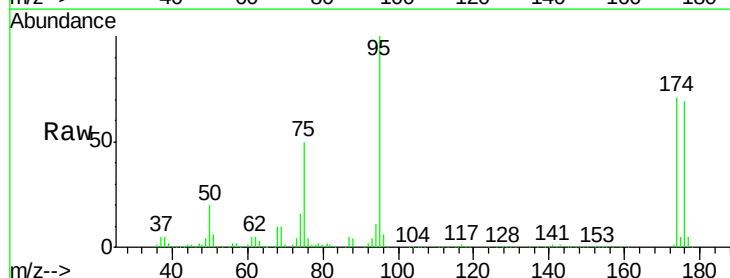
Tgt Ion: 95 Resp: 136866

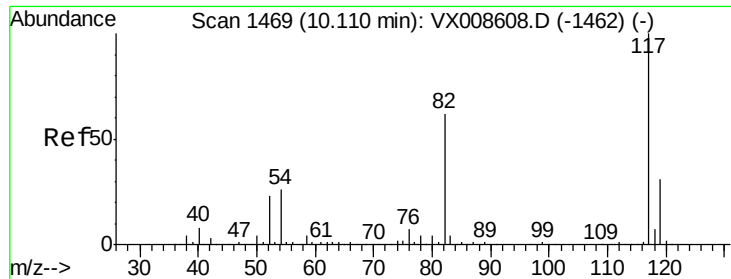
Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.8

176 74.2 0.0 145.8





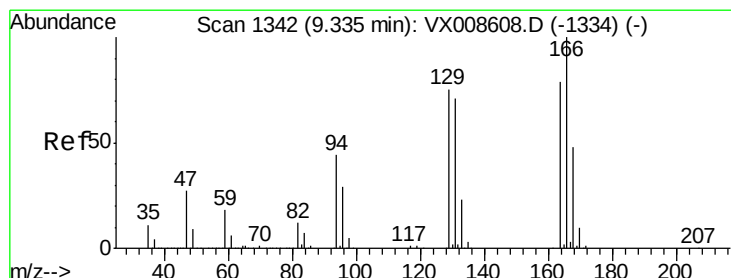
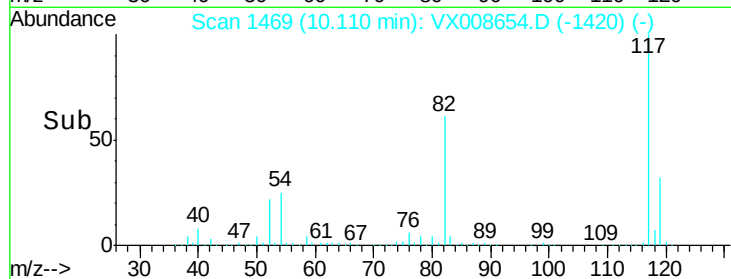
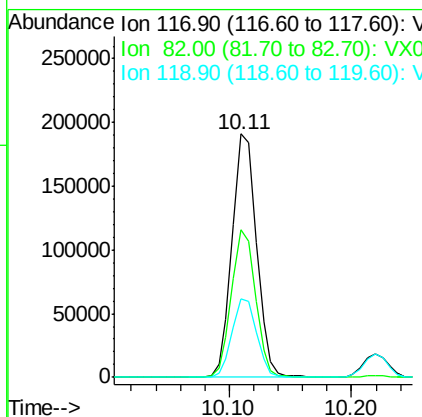
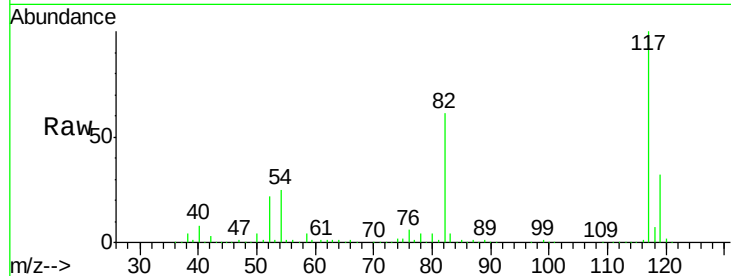
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampled :
VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	49.6	74.4
119	32.0	25.0	37.4

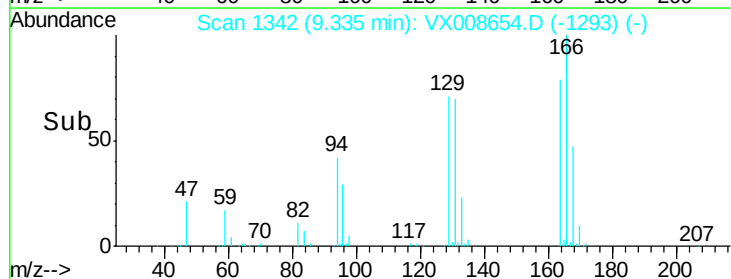
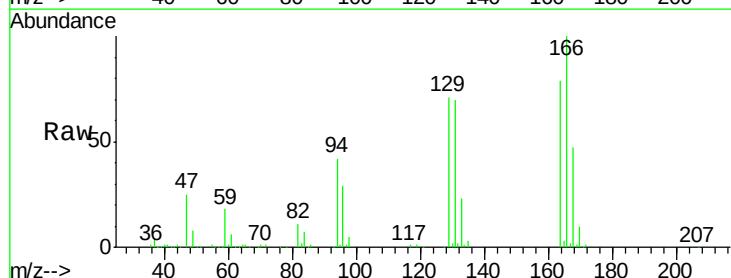
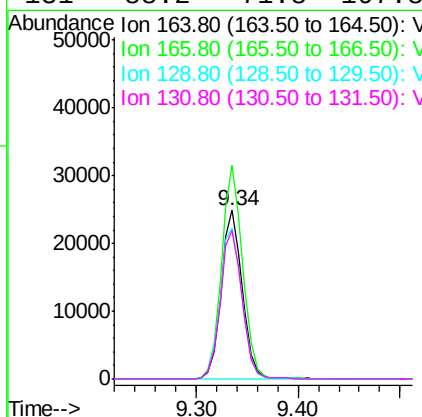
Manual Integrations
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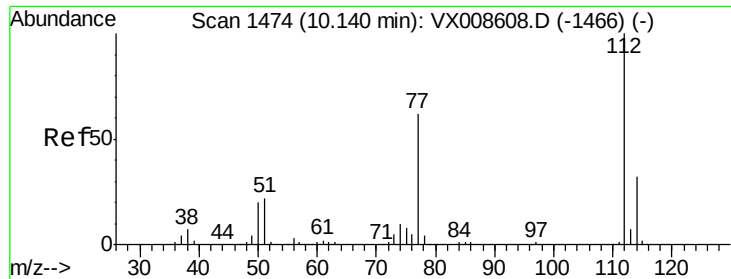
MMDadoda
4/5/2019 10:54:00 AM



#64
Tetrachloroethene
Concen: 18.289 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.0	151.6
129	89.8	75.8	113.8
131	88.2	71.8	107.8





#65

Chlorobenzene

Concen: 18.203 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD02

Tot Ion:112 Resp: 106700

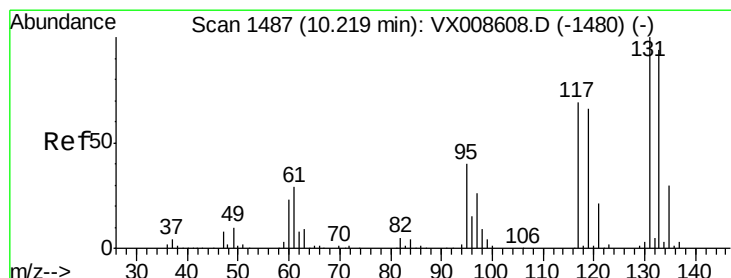
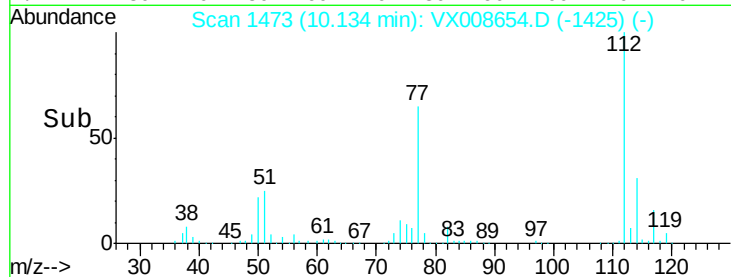
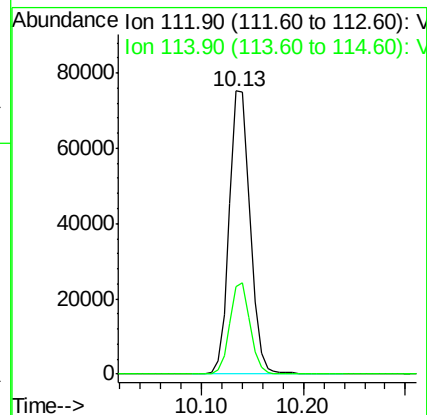
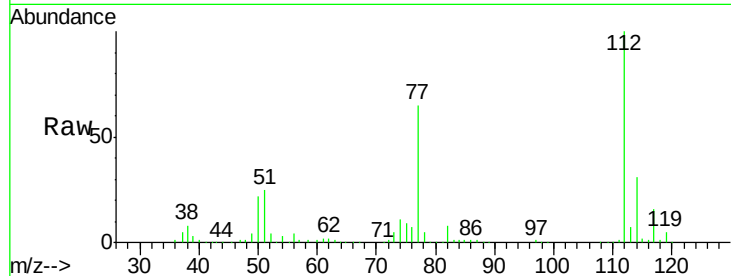
Ion Ratio Lower Upper

112 100

114 31.1 25.8 38.8

Manual Integrations
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4/5/2019 10:54:00 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 18.172 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

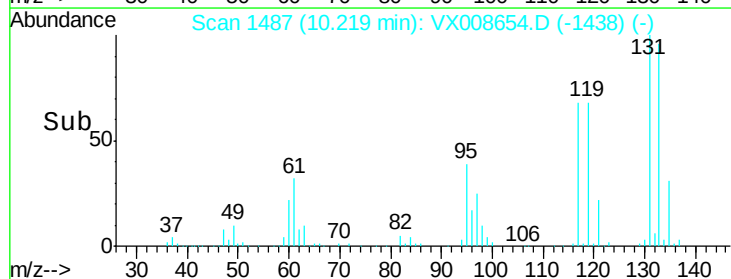
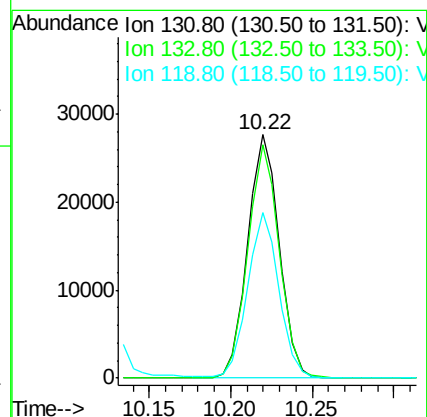
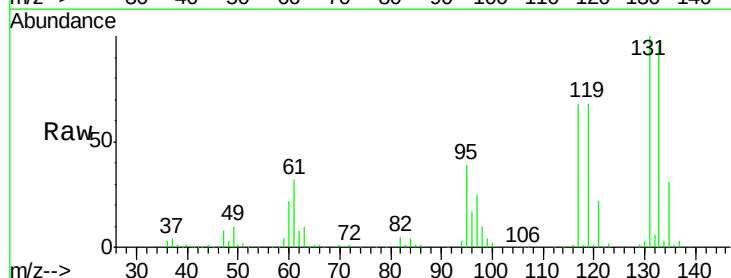
Tgt Ion:131 Resp: 37369

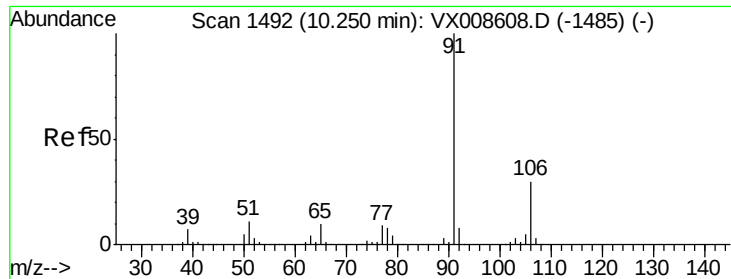
Ion Ratio Lower Upper

131 100

133 95.4 47.0 141.2

119 67.6 33.7 101.0





#67

Ethyl Benzene

Concen: 18.377 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD02

Tot Ion: 91 Resp: 200869

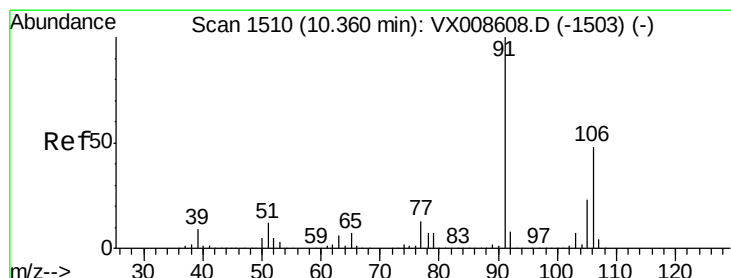
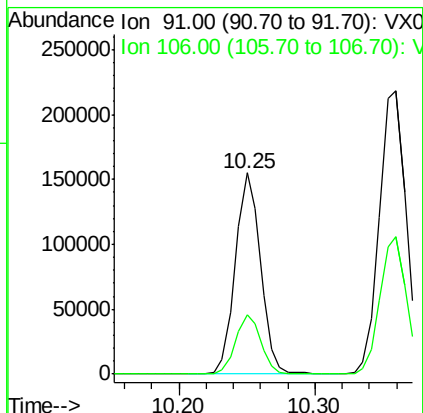
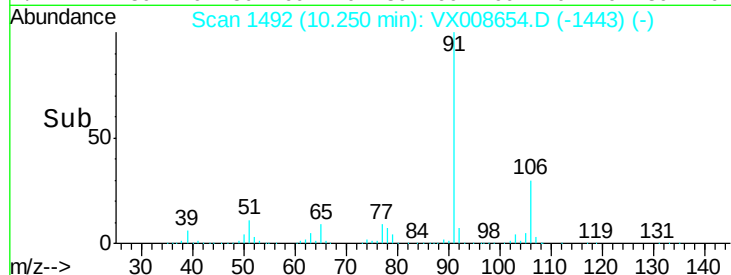
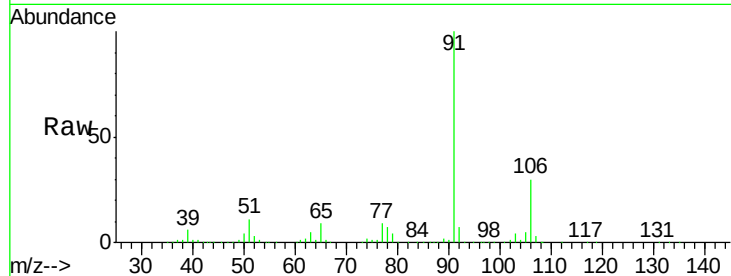
Ion Ratio Lower Upper

91 100

106 29.8 23.7 35.5

Manual Integrations
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4/5/2019 10:54:00 AM



#68

m/p-Xylenes

Concen: 36.784 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008654.D

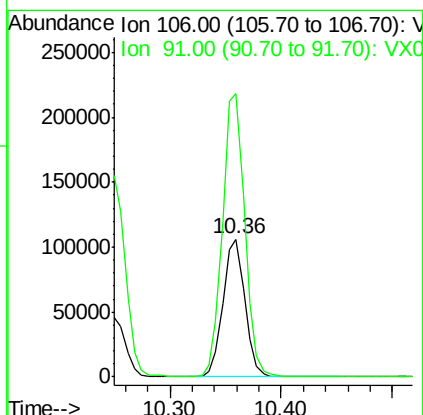
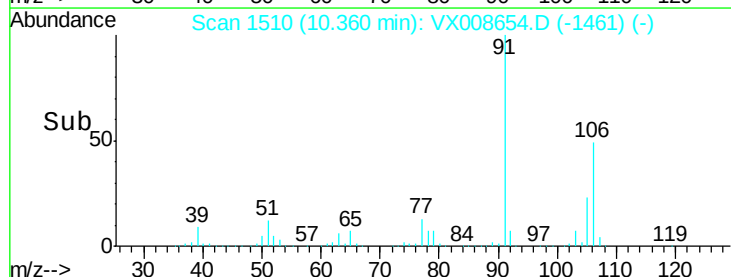
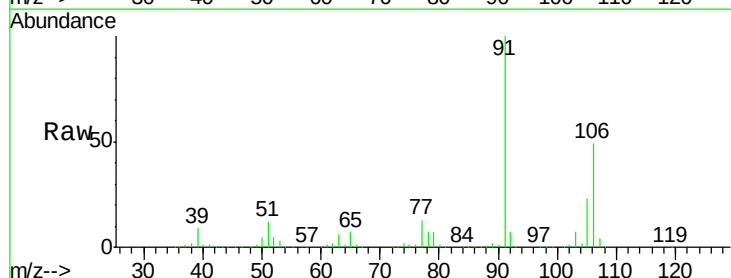
Acq: 04 Apr 2019 23:06

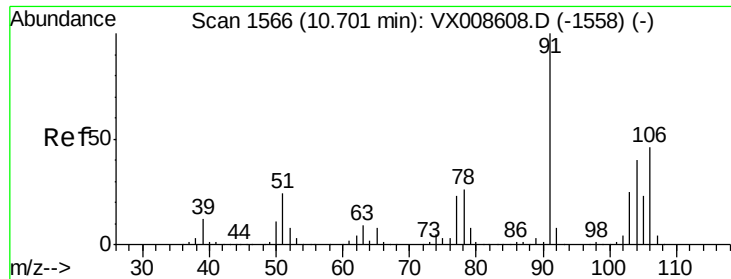
Tgt Ion: 106 Resp: 144562

Ion Ratio Lower Upper

106 100

91 209.6 168.5 252.7





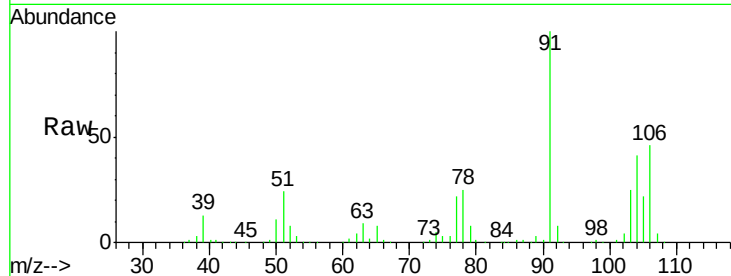
#69
o-Xylene
Concen: 18.795 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Instrument :
MSVOA_X
ClientSampled :
VX0404WBSD02

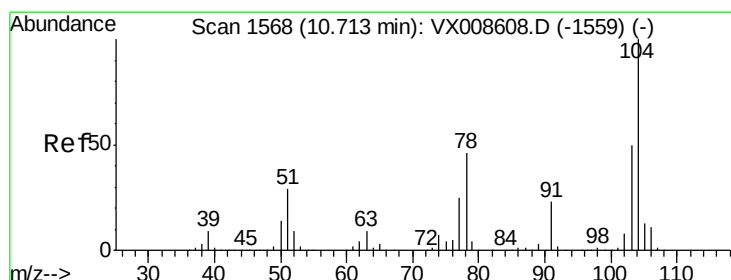
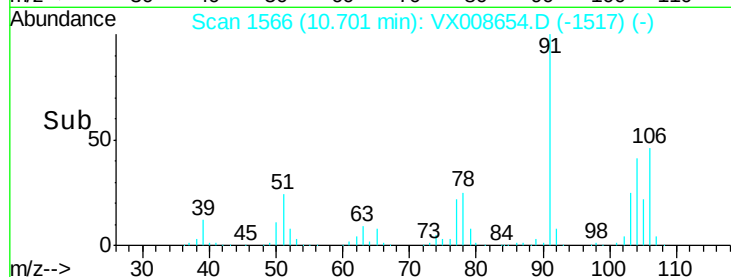
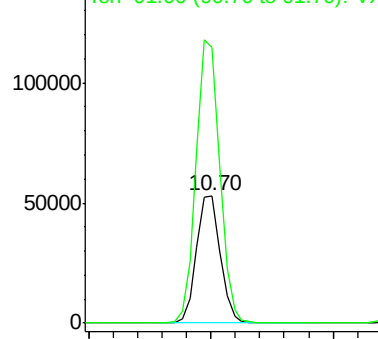
Tot Ion:106 Resp: 71582
Ion Ratio Lower Upper
106 100
91 221.3 111.5 334.4

Manual Integrations
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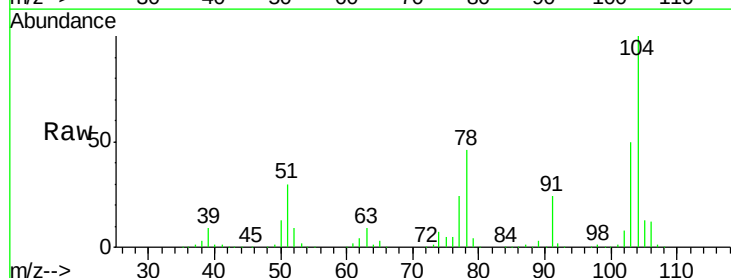


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

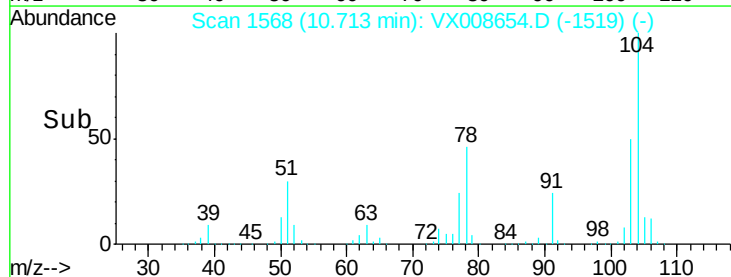
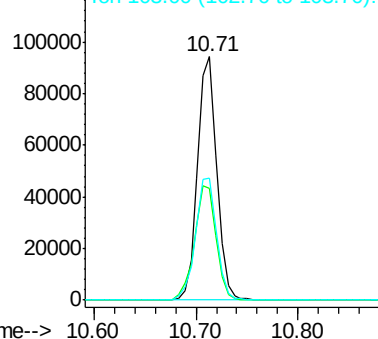


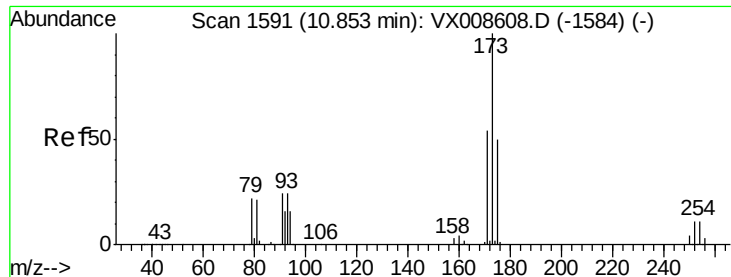
#70
Styrene
Concen: 18.768 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008654.D
Acq: 04 Apr 2019 23:06

Tgt Ion:104 Resp: 123212
Ion Ratio Lower Upper
104 100
78 52.6 42.3 63.5
103 55.5 44.4 66.6



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





#71

Bromoform

Concen: 18.525 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

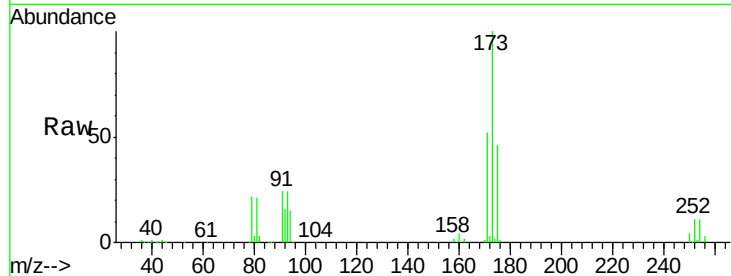
ClientSampleId :

VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.9	74.6
254	0.1	0.1	0.1

Manual Integrations
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4/5/2019 10:54:00 AM

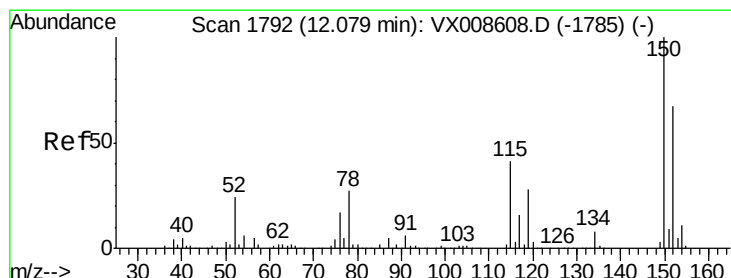
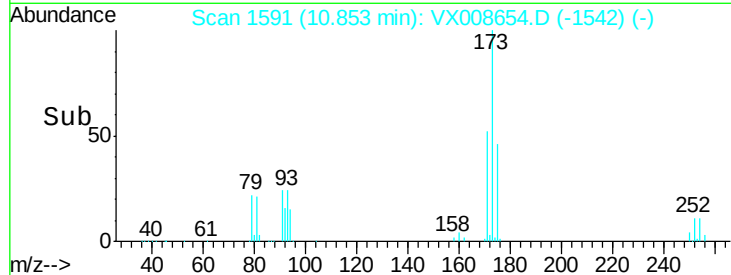
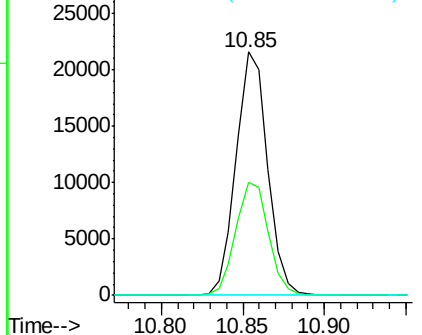


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

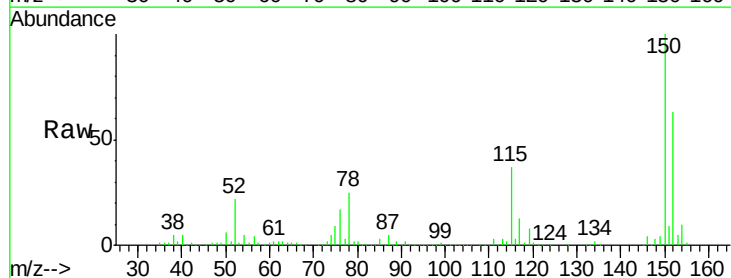
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.8	43.5	130.5
150	164.7	0.0	348.8

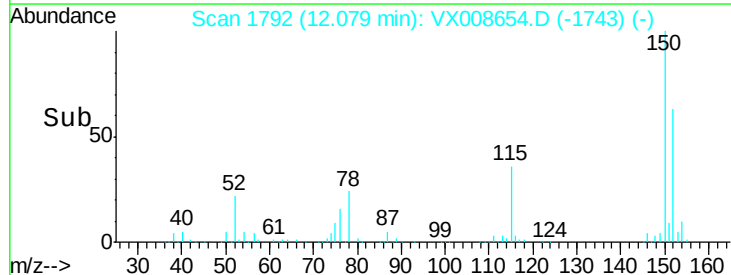
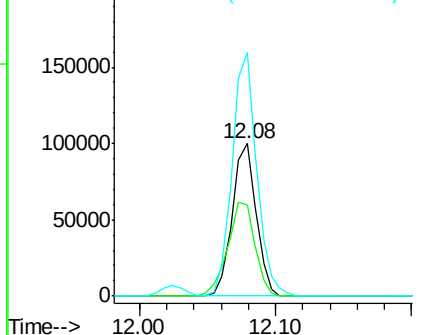


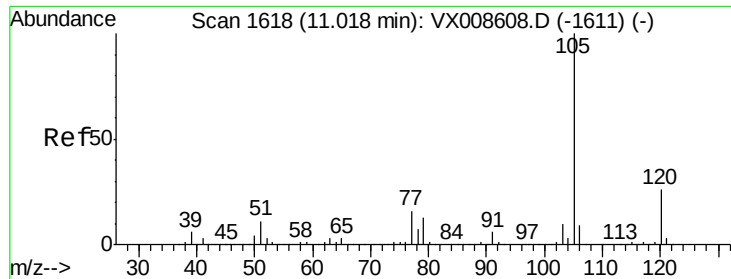
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.725 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD02

Tot Ion: 105 Resp: 188743

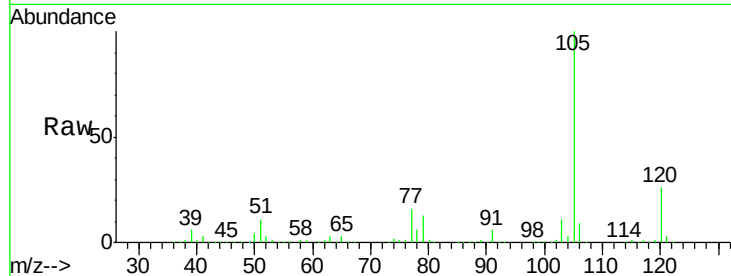
Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.6

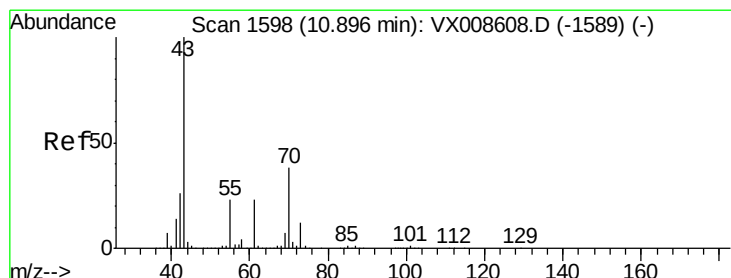
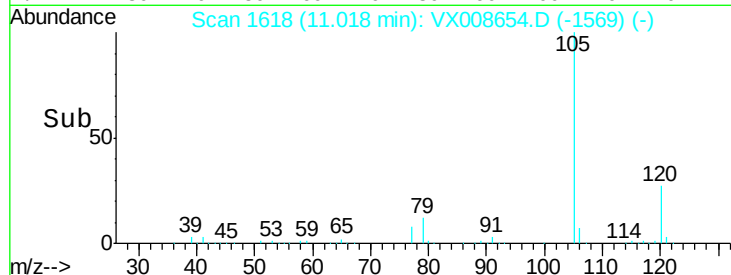
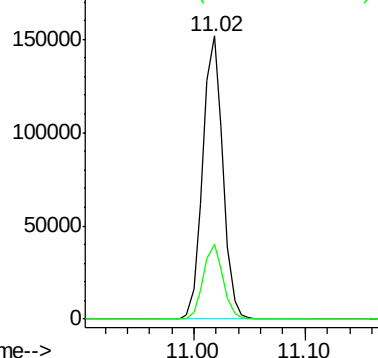
Manual Integrations
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4/5/2019 10:54:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.138 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion: 43 Resp: 113496

Ion Ratio Lower Upper

43 100

70 37.7 30.2 45.4

55 23.4 18.2 27.4

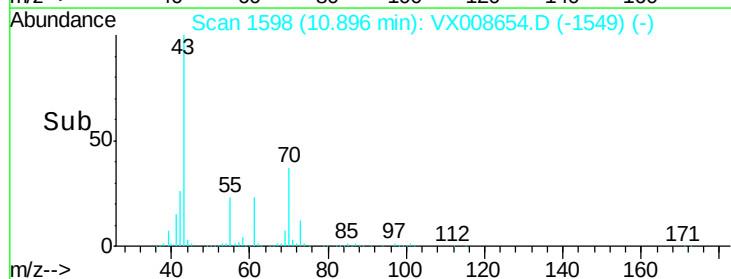
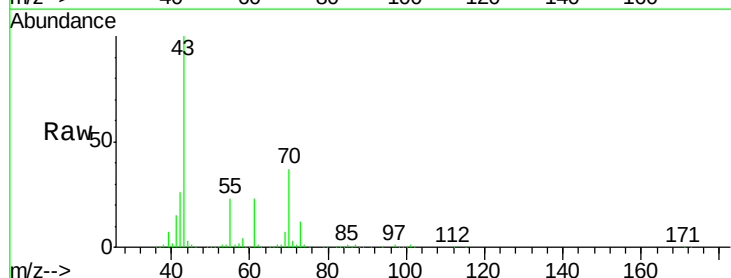
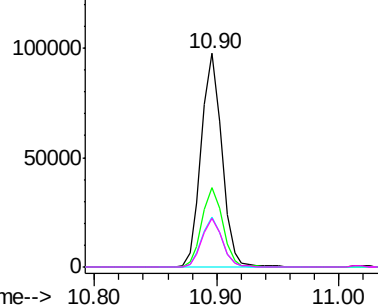
61 23.0 18.6 28.0

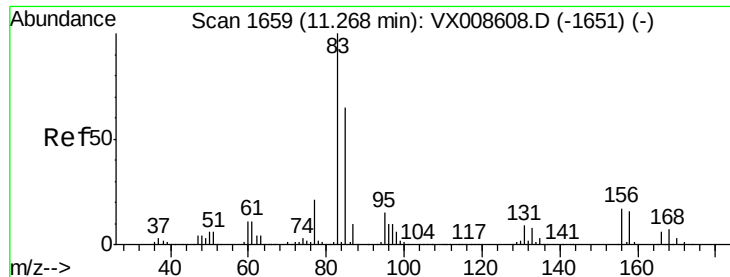
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.990 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

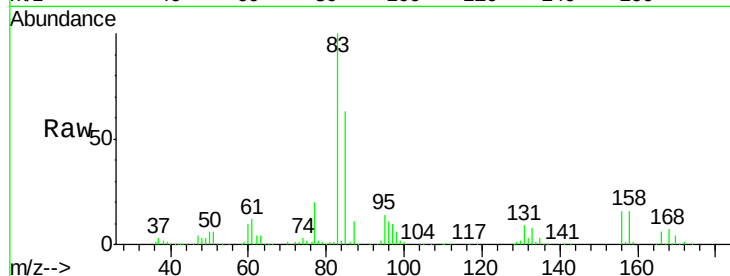
ClientSampled :

VX0404WBSD02

Tot Ion:	83	Resp:	72800
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.7
85	63.3	32.0	96.2

Manual Integrations
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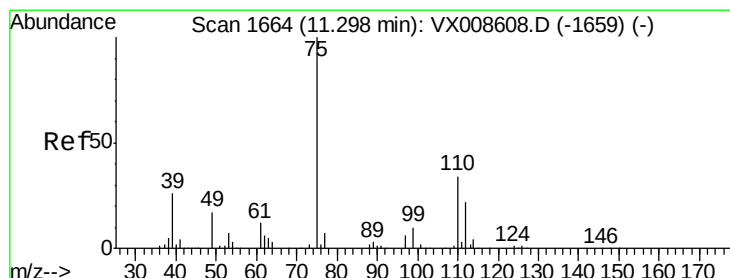
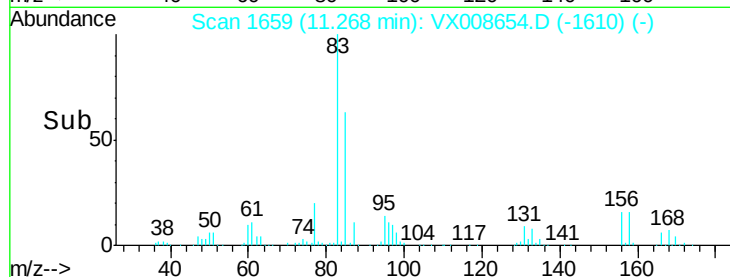
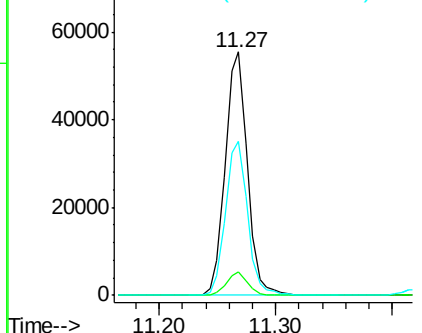
MMDadoda
4/5/2019 10:54:00 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 18.378 ug/l m

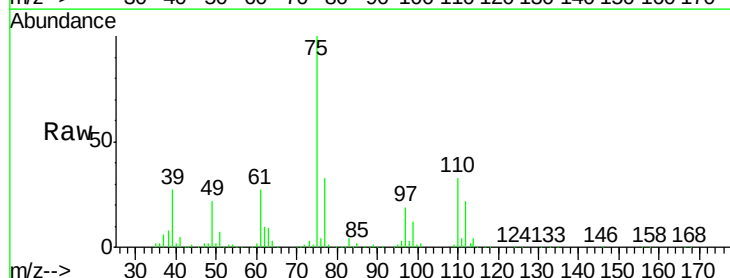
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008654.D

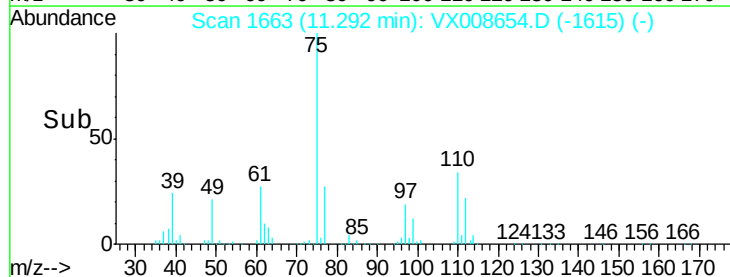
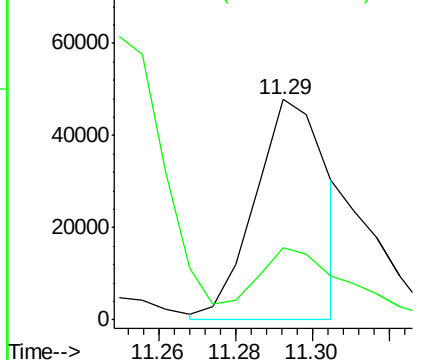
Acq: 04 Apr 2019 23:06

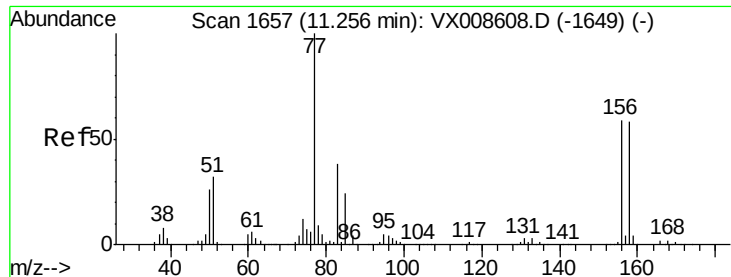
Tgt Ion:	75	Resp:	61406
Ion Ratio	Lower	Upper	
75	100		
77	42.5	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 18.771 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD02

Tot Ion:156 Resp: 45486

Ion Ratio Lower Upper

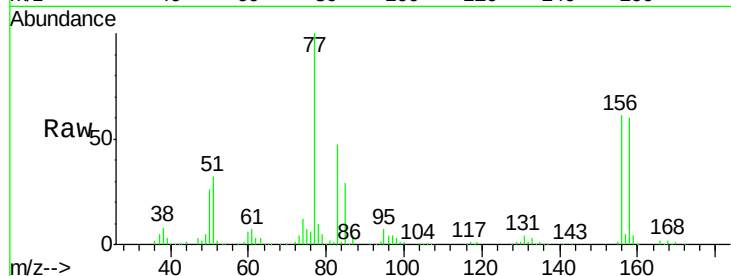
156 100

77 176.2 89.8 269.6

158 96.1 48.6 145.9

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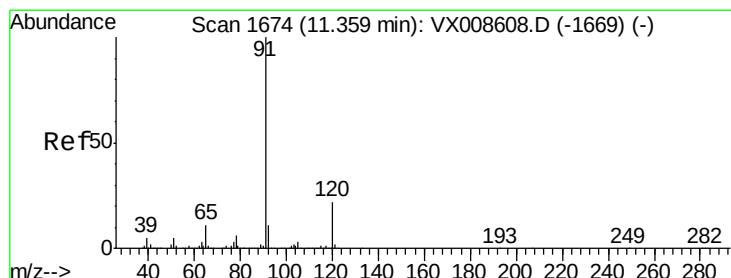
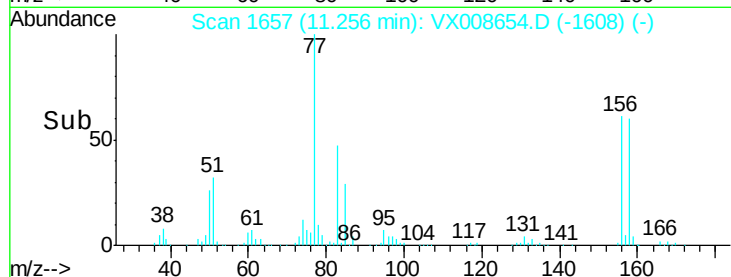
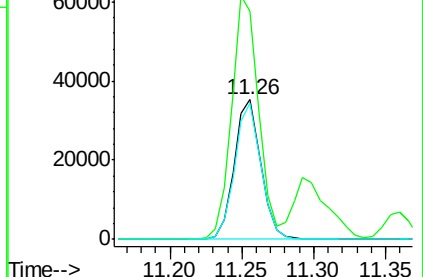
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.312 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008654.D

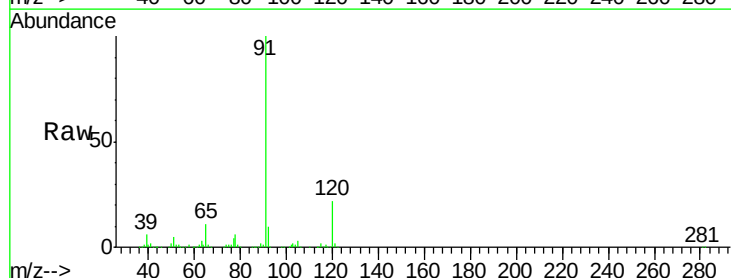
Acq: 04 Apr 2019 23:06

Tgt Ion: 91 Resp: 214920

Ion Ratio Lower Upper

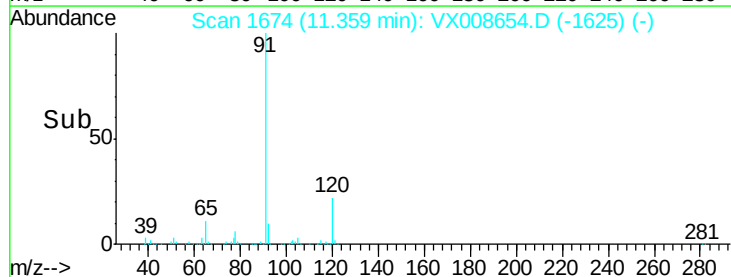
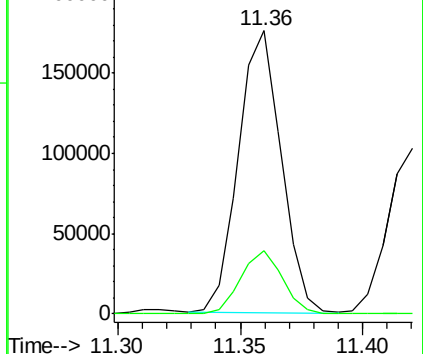
91 100

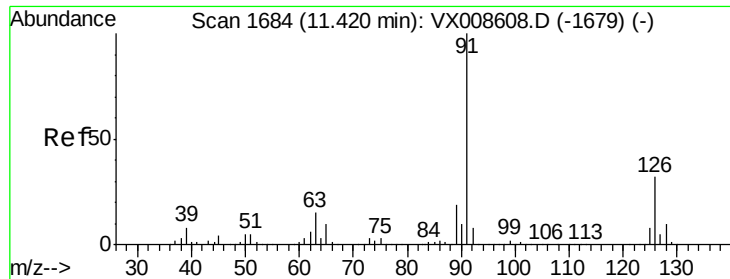
120 21.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.314 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBSD02

Tot Ion: 91 Resp: 130076

Ion Ratio Lower Upper

91 100

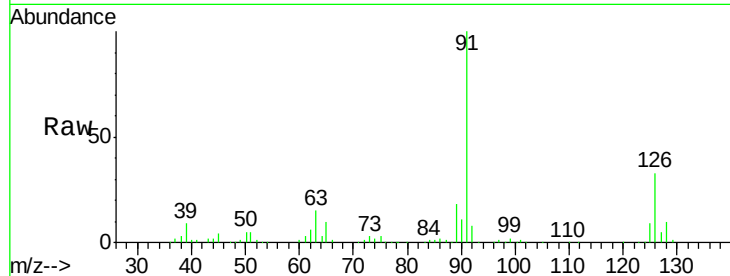
126 32.5 16.1 48.3

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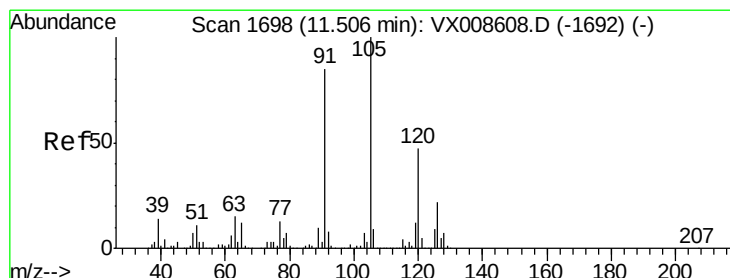
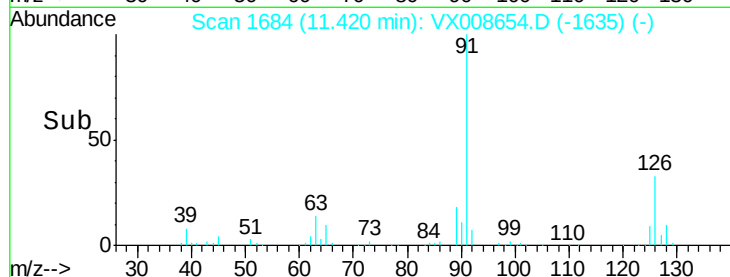
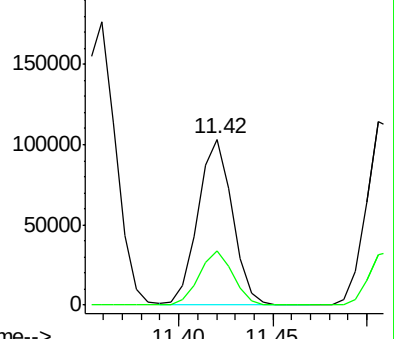
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.734 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008654.D

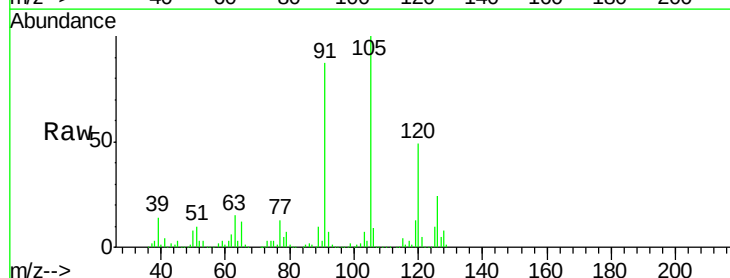
Acq: 04 Apr 2019 23:06

Tgt Ion:105 Resp: 158513

Ion Ratio Lower Upper

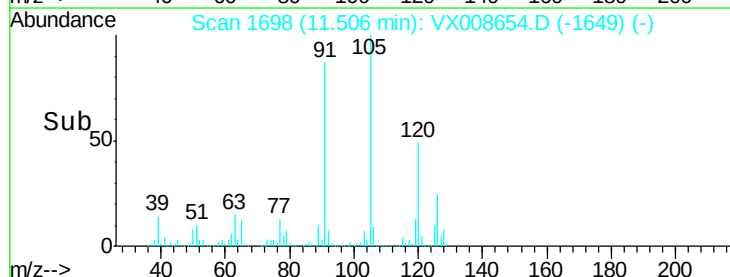
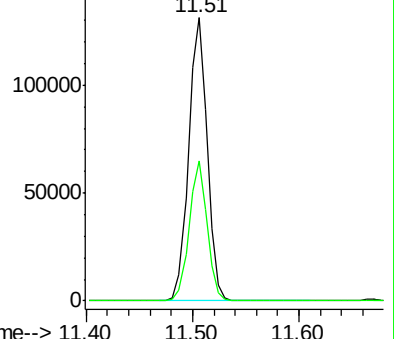
105 100

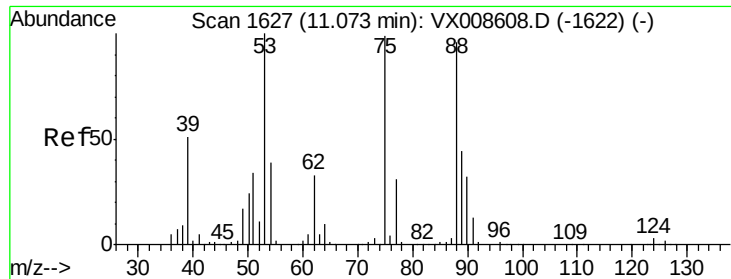
120 47.8 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.681 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD02

Tot Ion: 75 Resp: 20220

Ion Ratio Lower Upper

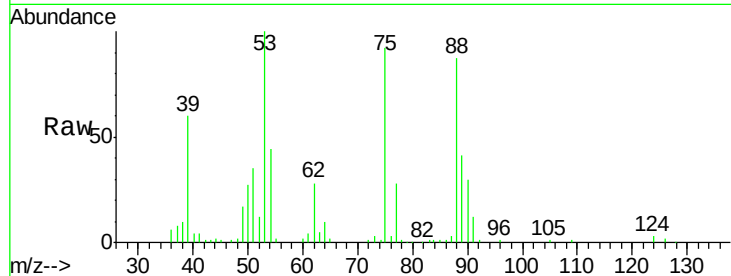
75 100

53 108.9 81.3 121.9

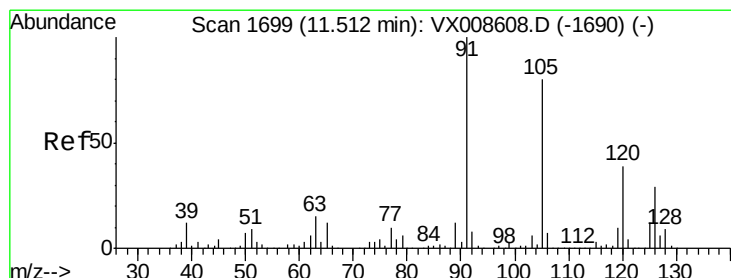
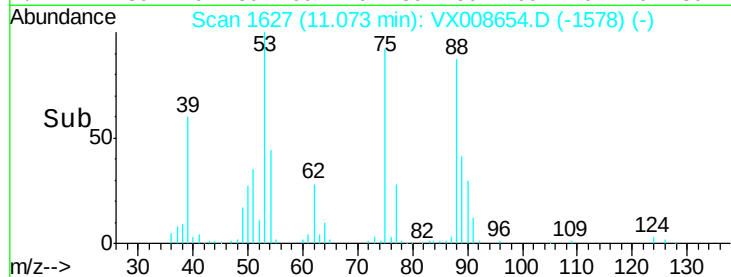
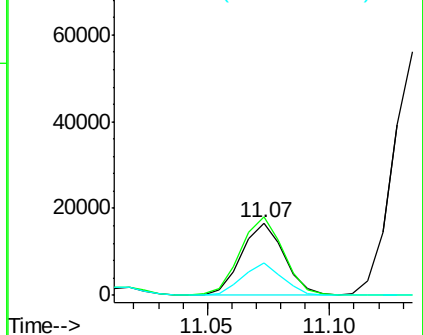
89 42.9 35.6 53.4

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.101 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008654.D

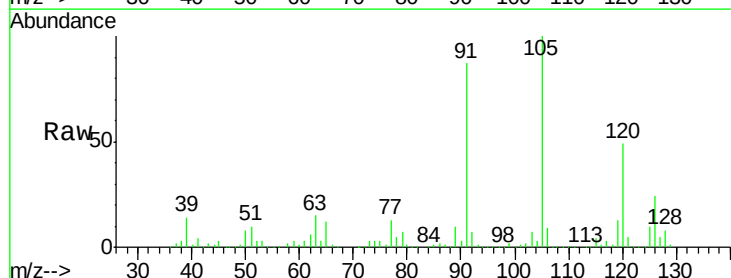
Acq: 04 Apr 2019 23:06

Tgt Ion: 91 Resp: 148819

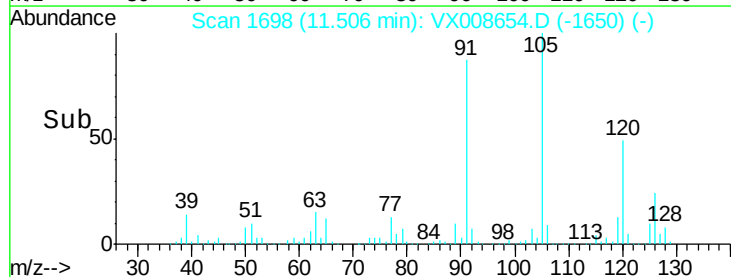
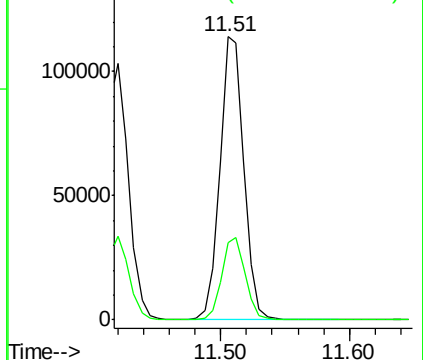
Ion Ratio Lower Upper

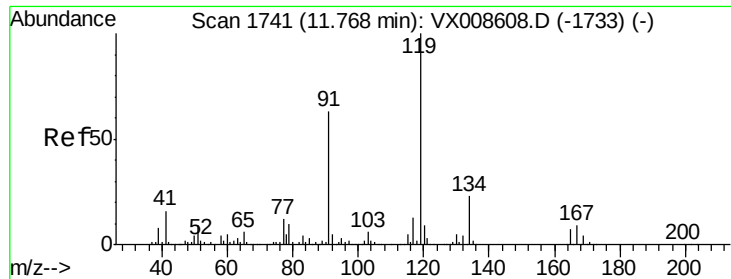
91 100

126 28.7 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





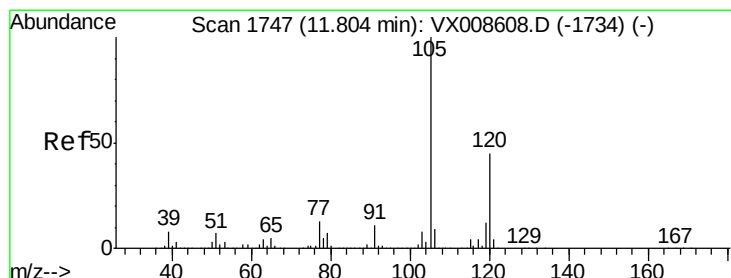
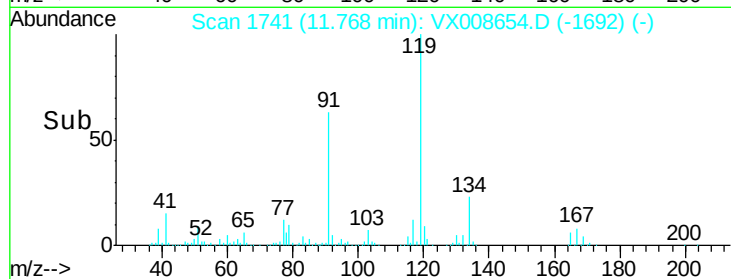
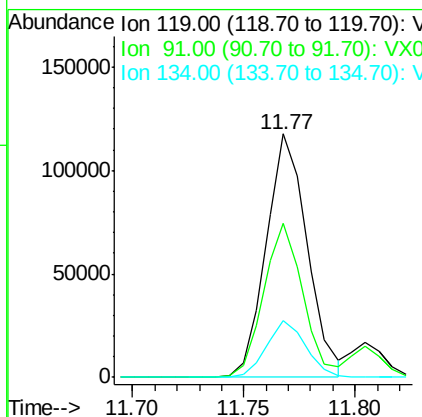
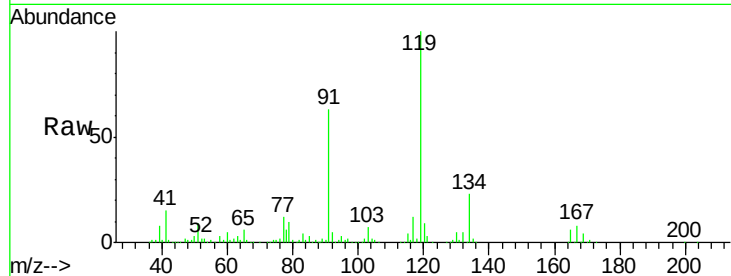
#83
 tert-Butylbenzene
 Concen: 18.488 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	150500		
91	60.6	30.0	90.1	
134	22.4	11.1	33.3	

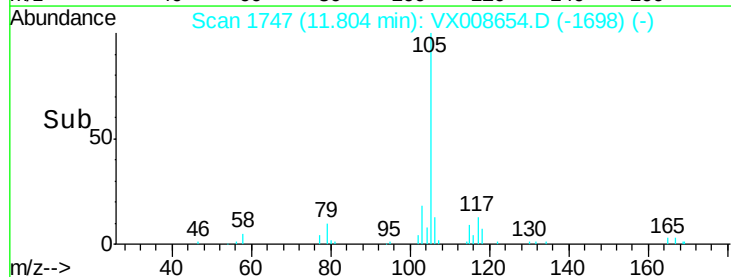
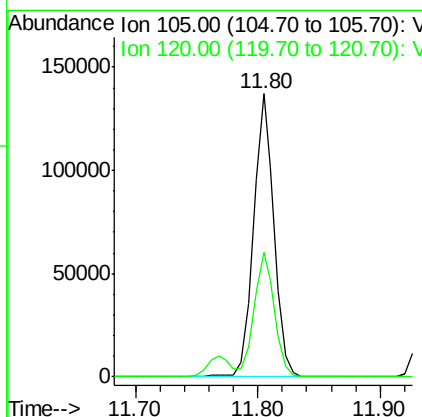
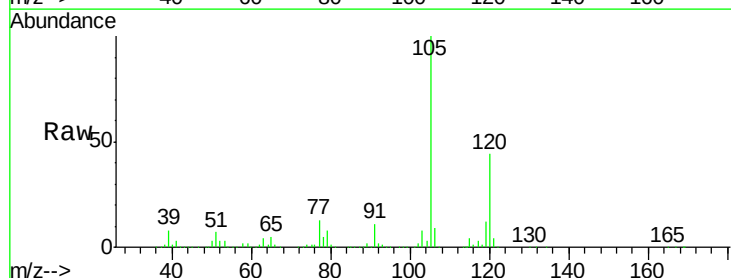
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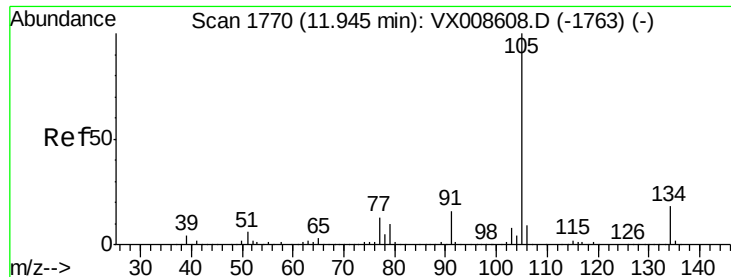
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.622 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	159541		
120	43.2	21.8	65.3	





#85

sec-Butylbenzene

Concen: 18.678 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

ClientSampled :

VX0404WBSD02

Tot Ion:105 Resp: 180604

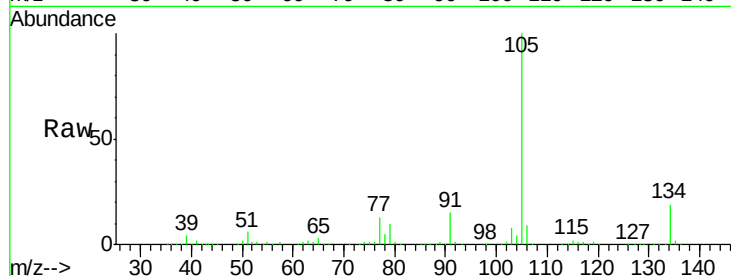
Ion Ratio Lower Upper

105 100

134 19.1 9.4 28.2

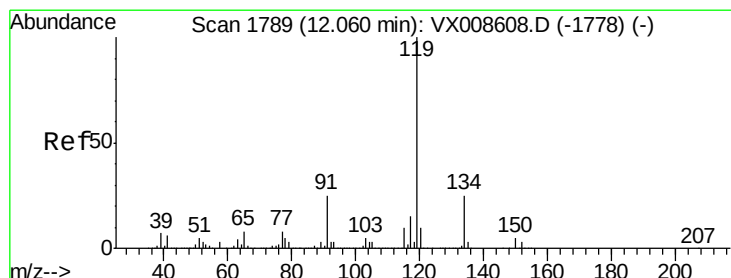
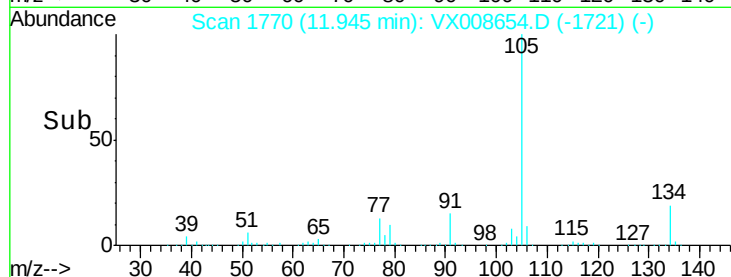
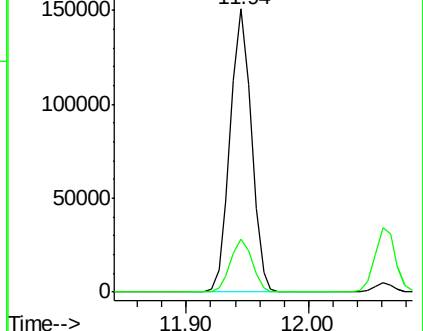
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.674 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

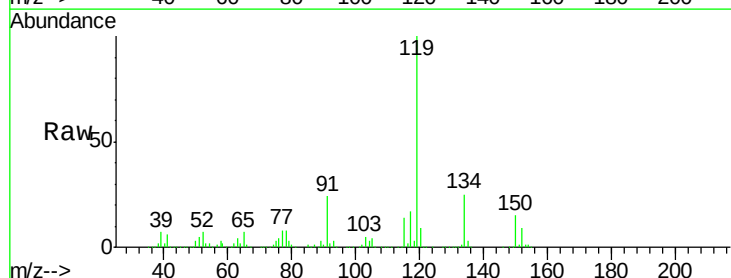
Tgt Ion:119 Resp: 162061

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.4

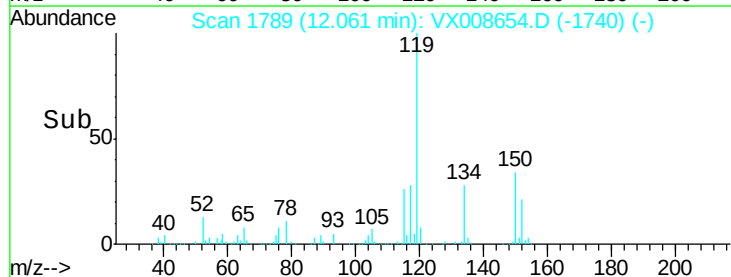
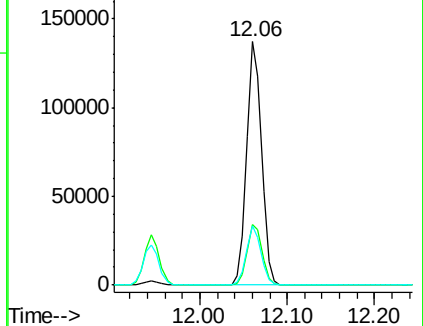
91 23.8 12.2 36.6

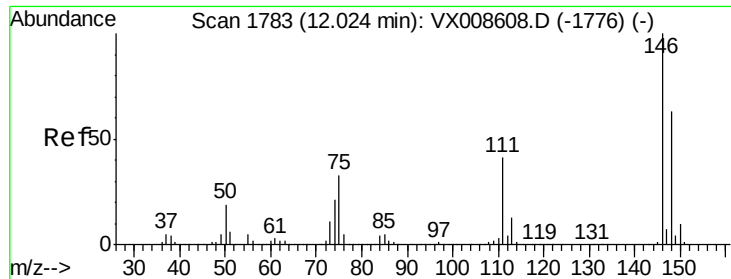


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 18.231 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

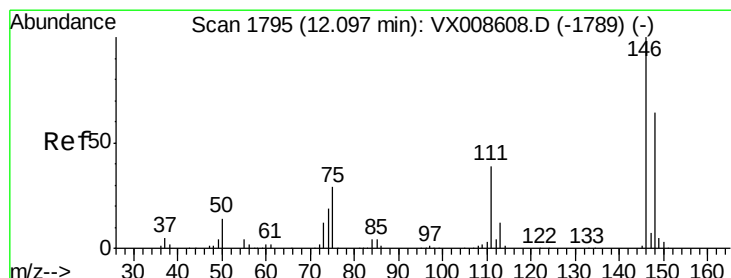
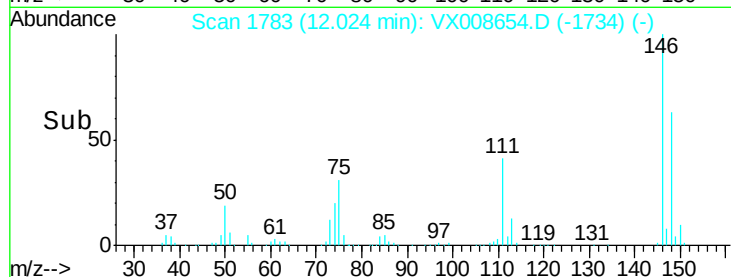
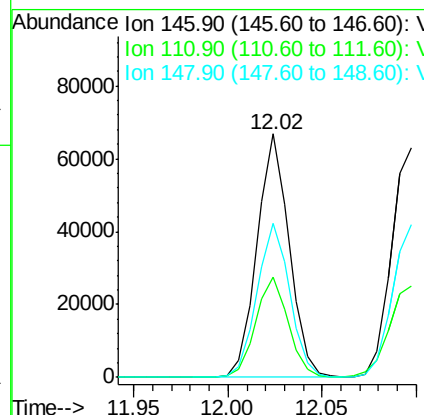
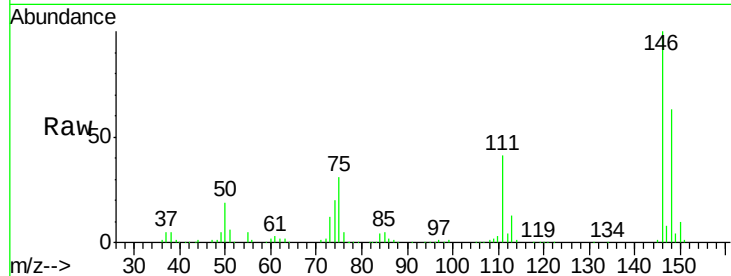
ClientSampled :

VX0404WBSD02

Tot Ion:	146	Resp:	79087
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.5	61.5
148	64.4	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 17.792 ug/l

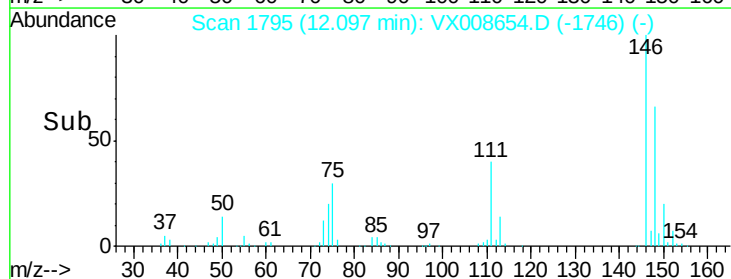
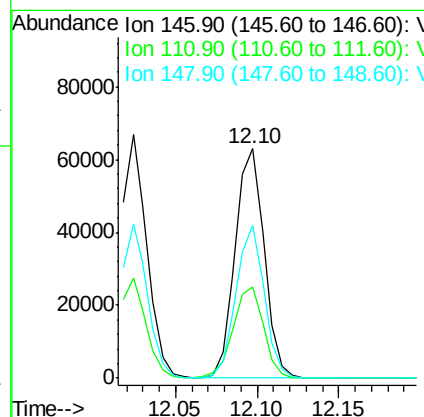
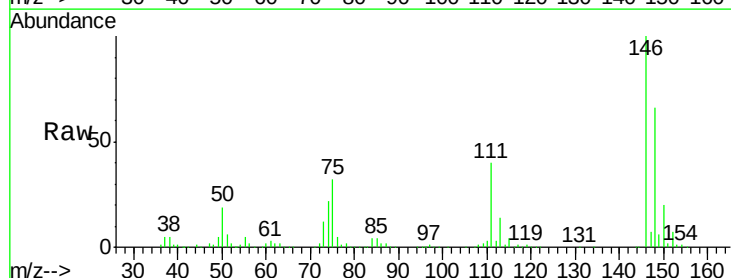
RT: 12.10 min Scan# 1795

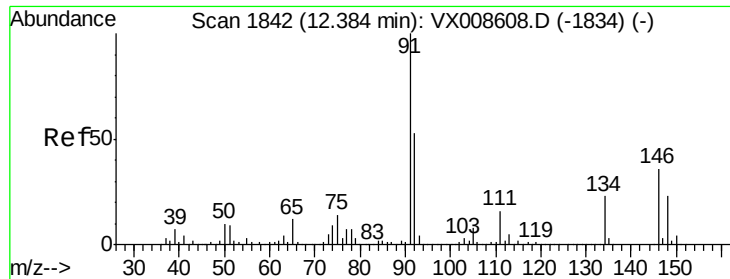
Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	146	Resp:	78158
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.2	60.6
148	64.9	32.0	96.0





#89

n-Butylbenzene

Concen: 17.604 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

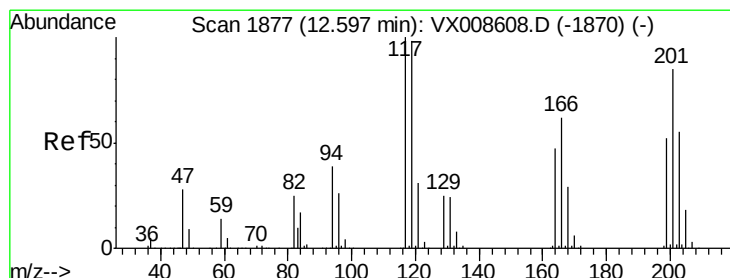
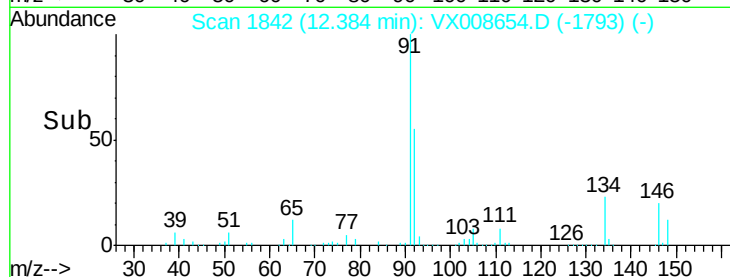
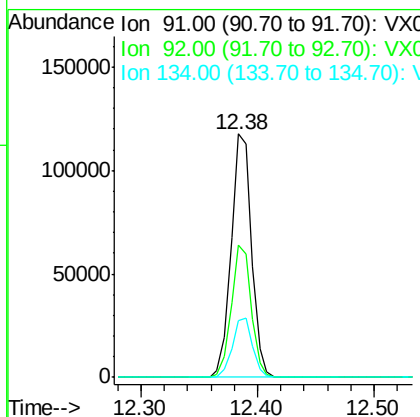
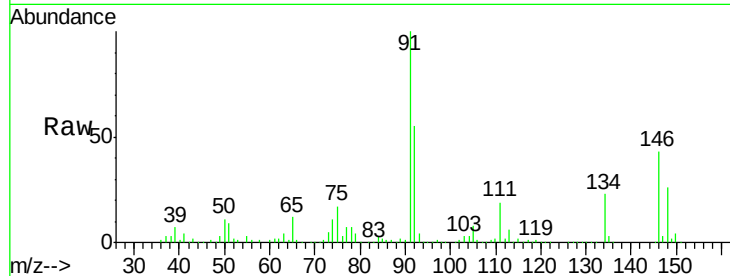
ClientSampleId :

VX0404WBSD02

Tot Ion:	91	Resp:	143280
Ion Ratio	Lower	Upper	
91	100		
92	53.4	26.4	79.2
134	24.1	12.0	36.0

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#90

Hexachloroethane

Concen: 17.962 ug/l

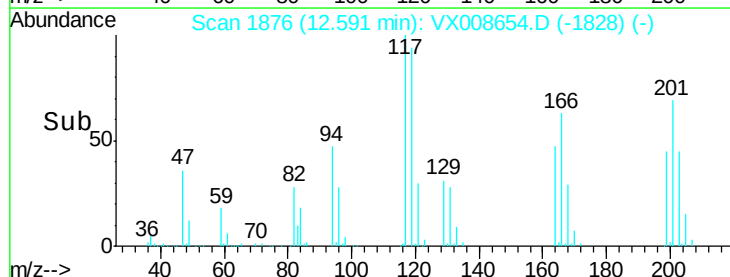
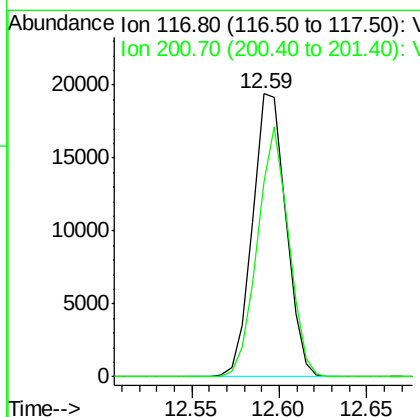
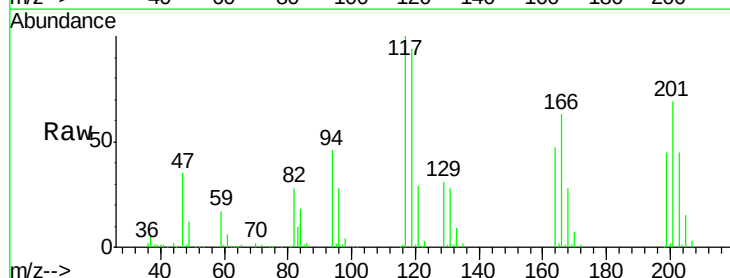
RT: 12.59 min Scan# 1876

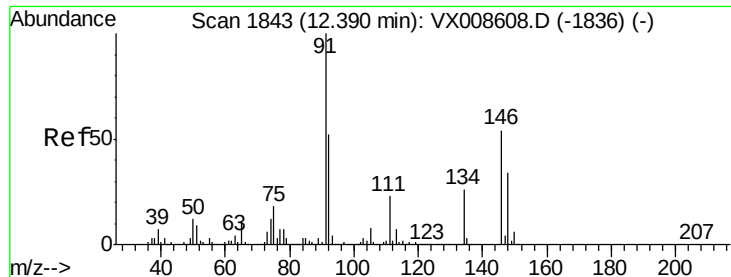
Delta R.T. -0.01 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	117	Resp:	25855
Ion Ratio	Lower	Upper	
117	100		
201	82.1	40.6	122.0





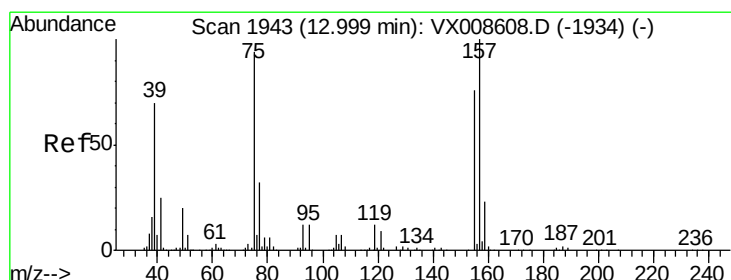
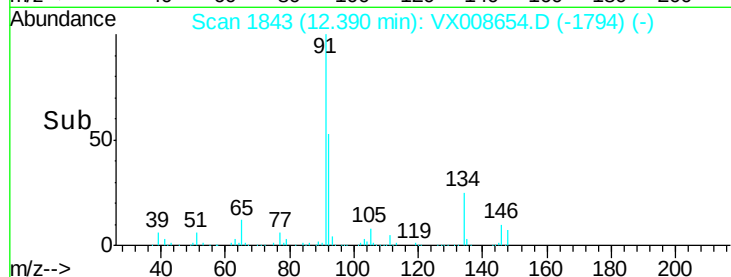
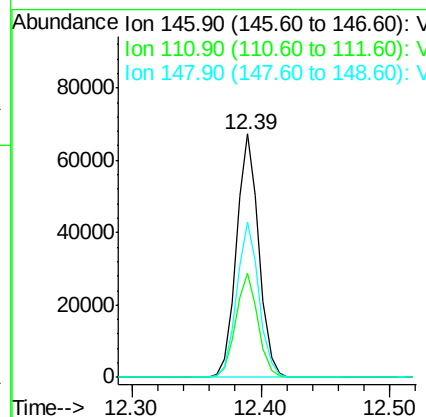
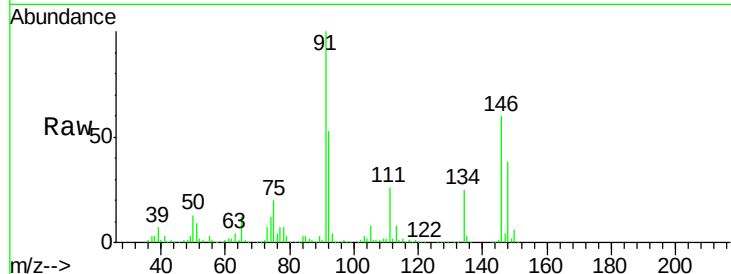
#91
 1,2-Dichlorobenzene
 Concen: 18.878 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.3	63.9
148	63.4	31.7	95.1

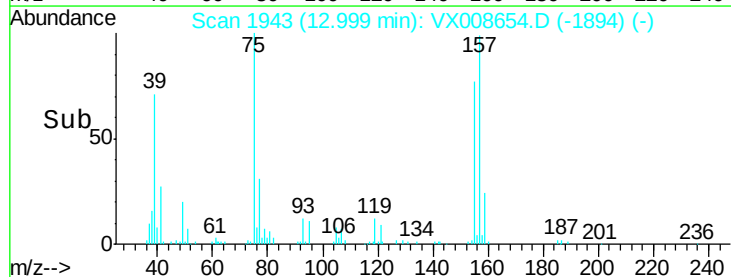
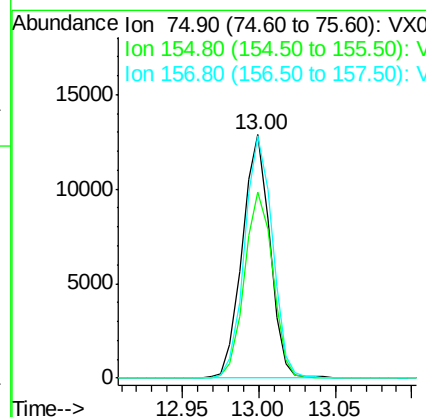
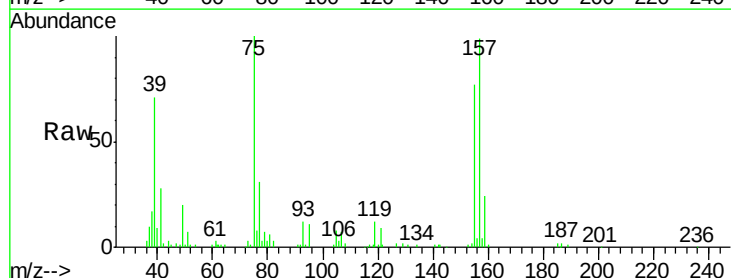
Manual Integrations
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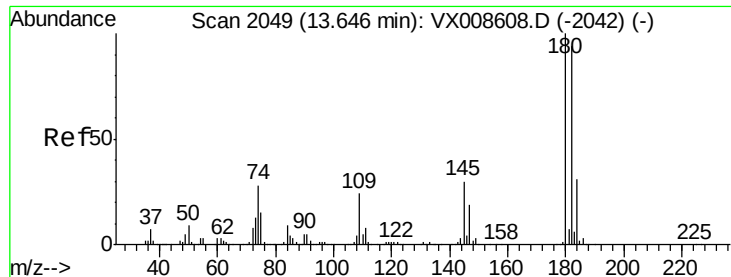
MMDadoda
 4/5/2019 10:54:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.081 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	39.9	119.6
157	100.6	51.5	154.7





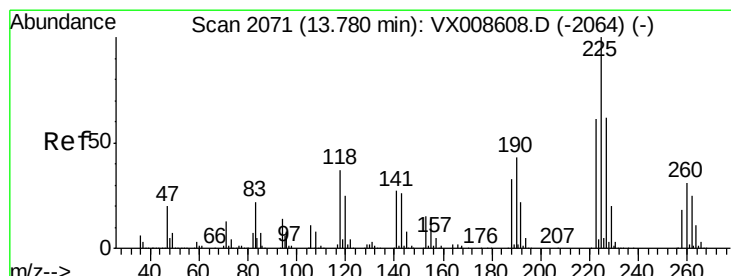
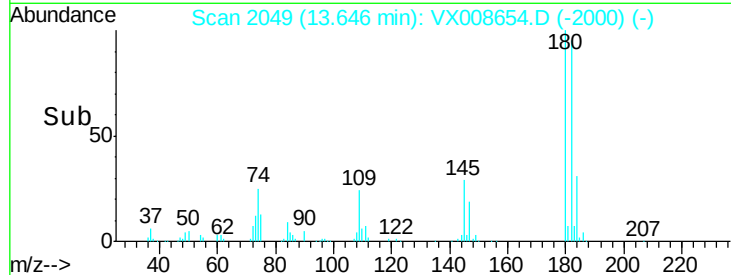
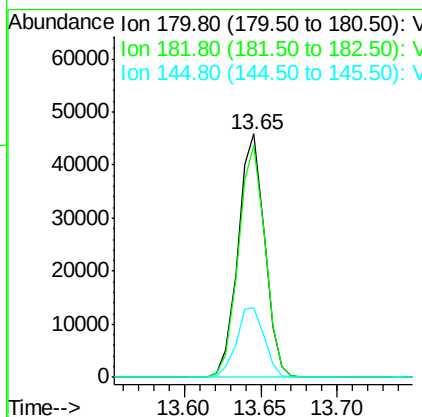
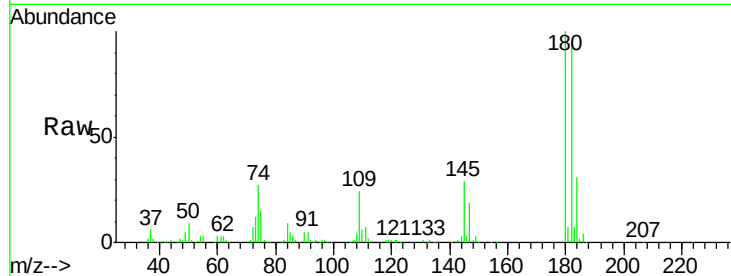
#93
 1,2,4-Trichlorobenzene
 Concen: 18.398 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.2	141.6
145	30.1	15.3	45.9

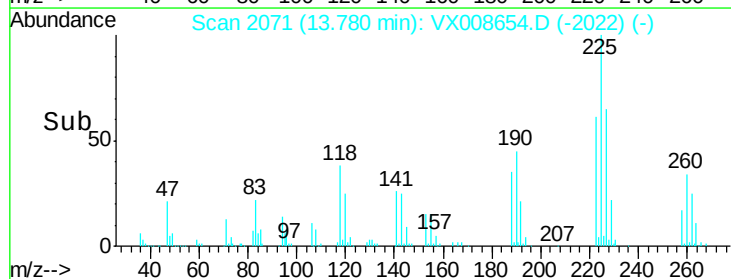
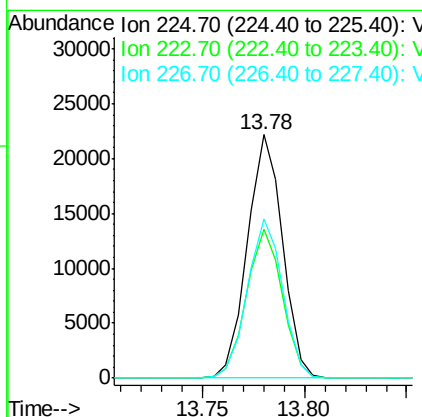
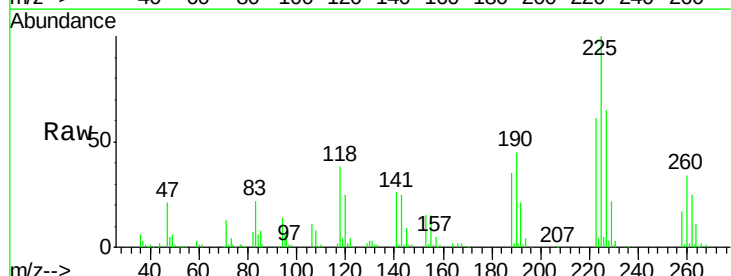
Manual Integrations
 APPROVED

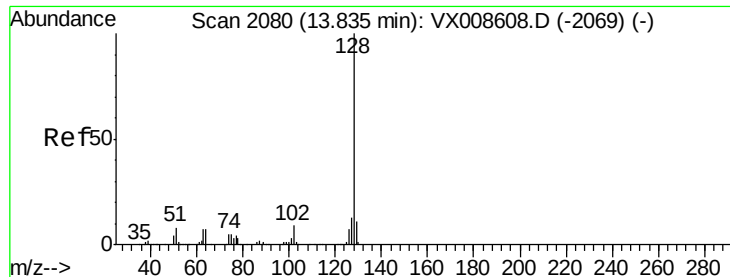
MMDadoda
 4/5/2019 10:54:00 AM



#94
 Hexachlorobutadiene
 Concen: 18.509 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008654.D
 Acq: 04 Apr 2019 23:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.2	93.6
227	65.6	31.9	95.5





#95

Naphthalene

Concen: 19.236 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Instrument :

MSVOA_X

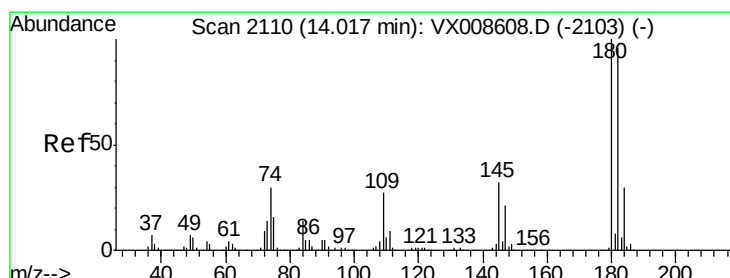
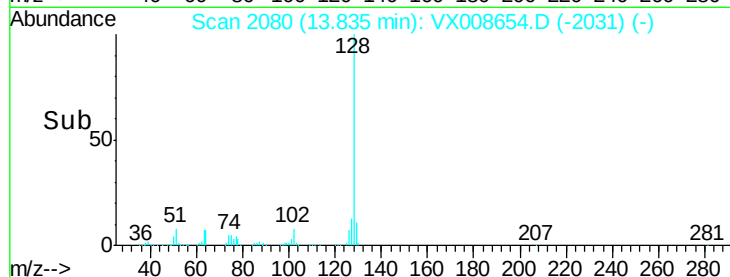
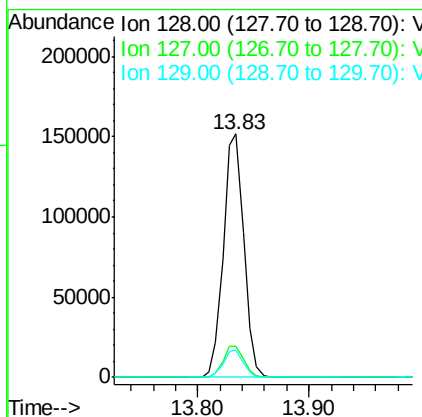
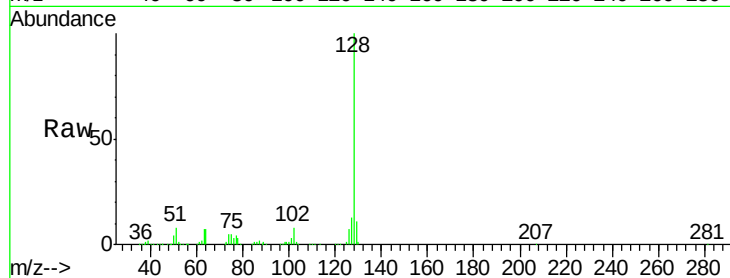
ClientSampleId :

VX0404WBSD02

Tot Ion:	128	Resp:	192533
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
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MMDadoda
4/5/2019 10:54:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.233 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008654.D

Acq: 04 Apr 2019 23:06

Tgt Ion:	180	Resp:	57548
Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.1	144.3
145	30.8	16.3	48.8

