

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122218\
 Data File : VX006764.D
 Acq On : 22 Dec 2018 11:43
 Operator : JC/MD
 Sample : VX1222WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1222WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 11:47:35 AM

Quant Time: Dec 24 04:39:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	589589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	882473	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	800107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	409524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	308052	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	5.50	113	276387	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	8.71	98	1051708	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.13	95	377377	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	94689	17.555	ug/l	99
3) Chloromethane	1.33	50	100422	17.282	ug/l	99
4) Vinyl Chloride	1.41	62	111436	18.362	ug/l	99
5) Bromomethane	1.64	94	108185	17.870	ug/l	96
6) Chloroethane	1.73	64	72358	17.219	ug/l	98
7) Trichlorofluoromethane	1.93	101	178684	18.884	ug/l	98
8) Diethyl Ether	2.19	74	68478	18.221	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	108028	19.445	ug/l	98
10) Methyl Iodide	2.51	142	137580	17.300	ug/l	100
11) Tert butyl alcohol	3.06	59	133800	94.351	ug/l	98
12) 1,1-Dichloroethene	2.38	96	95473	18.124	ug/l	99
13) Acrolein	2.29	56	86704	90.631	ug/l	98
14) Allyl chloride	2.73	41	163082	18.392	ug/l	98
15) Acrylonitrile	3.15	53	303143	96.277	ug/l	100
16) Acetone	2.45	43	291516	99.855	ug/l	98
17) Carbon Disulfide	2.57	76	215059	15.427	ug/l	98
18) Methyl Acetate	2.78	43	175945	20.496	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	341409	19.527	ug/l	99
20) Methylene Chloride	2.86	84	112484	18.633	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	104380	17.883	ug/l	99
22) Diisopropyl ether	3.87	45	321344	19.810	ug/l	97
23) Vinyl Acetate	3.82	43	1307523	98.542	ug/l	99
24) 1,1-Dichloroethane	3.70	63	183939	18.995	ug/l	99
25) 2-Butanone	4.70	43	400302	97.481	ug/l	100
26) 2,2-Dichloropropane	4.59	77	128120	17.128	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	120876	18.770	ug/l	98
28) Bromochloromethane	5.02	49	84687	19.620	ug/l	97
29) Tetrahydrofuran	5.15	42	260820	96.434	ug/l	99
30) Chloroform	5.21	83	192402	19.187	ug/l	99
31) Cyclohexane	5.57	56	166510	18.927	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	156824	18.521	ug/l	98
36) 1,1-Dichloropropene	5.80	75	141521	19.363	ug/l	100
37) Ethyl Acetate	4.85	43	147715	19.418	ug/l	99
38) Carbon Tetrachloride	5.79	117	132569	18.664	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	185167	19.243	ug/l	99
40) Benzene	6.14	78	436106	19.630	ug/l	98
41) Methacrylonitrile	5.05	41	84607	20.948	ug/l	98
42) 1,2-Dichloroethane	6.20	62	148490	19.614	ug/l	98
43) Isopropyl Acetate	6.45	43	230131	19.882	ug/l	99
44) Trichloroethene	7.21	130	126124	18.756	ug/l	96
45) 1,2-Dichloropropane	7.51	63	106613	19.720	ug/l	99
46) Dibromomethane	7.66	93	76981	19.358	ug/l	99
47) Bromodichloromethane	7.90	83	122006	18.480	ug/l	93
48) Methyl methacrylate	7.77	41	120651	20.498	ug/l	97
49) 1,4-Dioxane	7.75	88	58683	368.487	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	756468	102.716	ug/l	100
52) Toluene	8.79	92	281283	19.598	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	124897	17.639	ug/l	95
54) cis-1,3-Dichloropropene	8.43	75	149413	19.231	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	118216	20.122	ug/l	98
56) Ethyl methacrylate	9.18	69	166669	20.072	ug/l	99
57) 1,3-Dichloropropane	9.37	76	185876	19.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	437826	99.194	ug/l	99
59) 2-Hexanone	9.49	43	588391	104.420	ug/l	99
60) Dibromochloromethane	9.58	129	102562	18.240	ug/l	99
61) 1,2-Dibromoethane	9.67	107	122978	19.692	ug/l	99
64) Tetrachloroethene	9.33	164	119491	18.860	ug/l	98
65) Chlorobenzene	10.14	112	331381	19.577	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	106467	20.160	ug/l	98
67) Ethyl Benzene	10.25	91	539656	19.510	ug/l	99
68) m/p-Xylenes	10.36	106	424150	38.861	ug/l	99
69) o-Xylene	10.70	106	208069	19.305	ug/l	98
70) Styrene	10.71	104	330214	19.366	ug/l	99
71) Bromoform	10.86	173	70484	17.936	ug/l #	98
73) Isopropylbenzene	11.02	105	561089	20.027	ug/l	98
74) N-amyl acetate	10.90	43	201484	20.092	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	174597	20.955	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	157120m	20.645	ug/l	
77) Bromobenzene	11.26	156	149637	19.756	ug/l	99
78) n-propylbenzene	11.36	91	620106	20.100	ug/l	99
79) 2-Chlorotoluene	11.42	91	368375	19.703	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	456051	19.763	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	34211	16.754	ug/l	87
82) 4-Chlorotoluene	11.51	91	423371	19.741	ug/l	100
83) tert-Butylbenzene	11.77	119	465081	20.137	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	474687	19.557	ug/l	99
85) sec-Butylbenzene	11.94	105	567154	20.029	ug/l	99
86) p-Isopropyltoluene	12.06	119	498955	20.045	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	266604	19.530	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	267849	19.140	ug/l	99
89) n-Butylbenzene	12.39	91	426212	20.120	ug/l	99
90) Hexachloroethane	12.60	117	62189	18.206	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	261374	19.140	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	30605	17.752	ug/l	99

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ClientSampleId :
VX1222WBS01

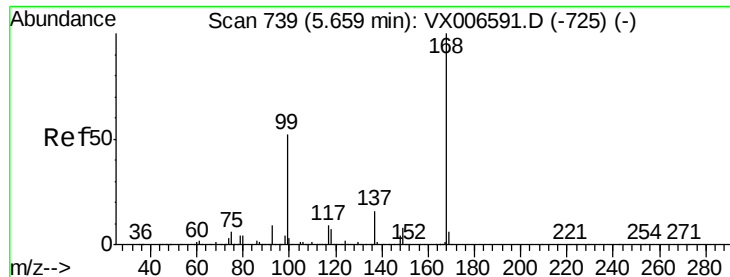
Manual Integrations
APPROVED

MMDadoda
12/24/2018 11:47:35 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	182017	19.323	ug/l	98
94) Hexachlorobutadiene	13.78	225	84817	19.104	ug/l	99
95) Naphthalene	13.83	128	560423	18.641	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	181841	18.697	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion:168 Resp: 589589

Ion Ratio Lower Upper

168 100

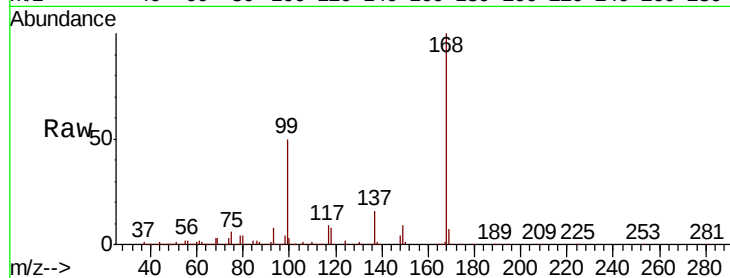
99 50.1 41.8 62.8

Manual Integrations

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12/24/2018 11:47:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

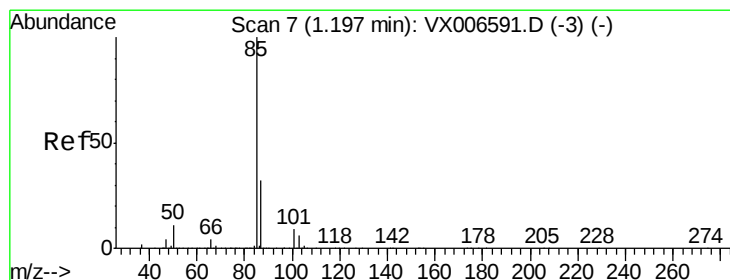
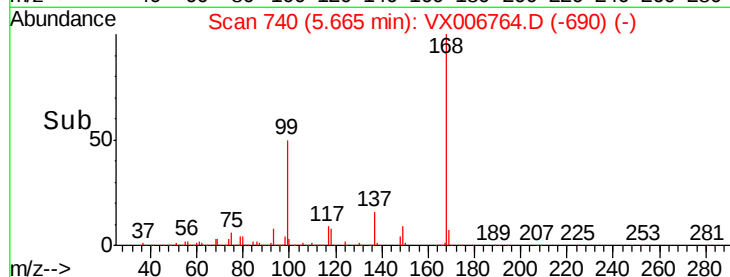
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.555 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX006764.D

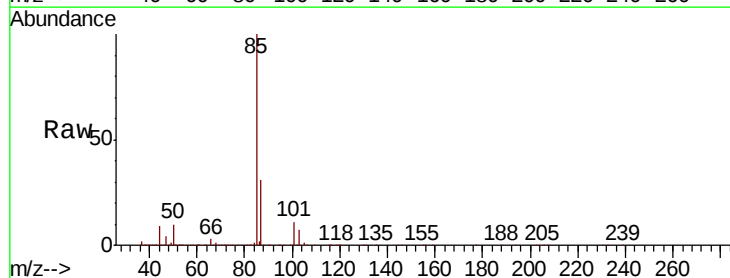
Acq: 22 Dec 2018 11:43

Tgt Ion: 85 Resp: 94689

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

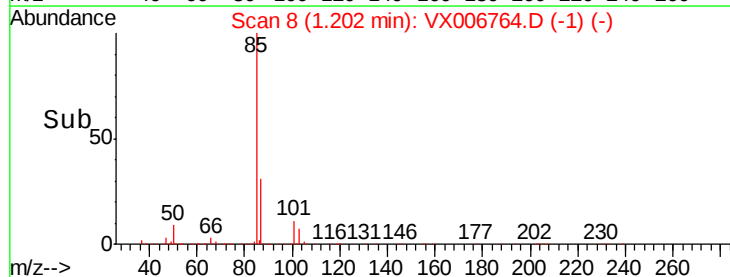
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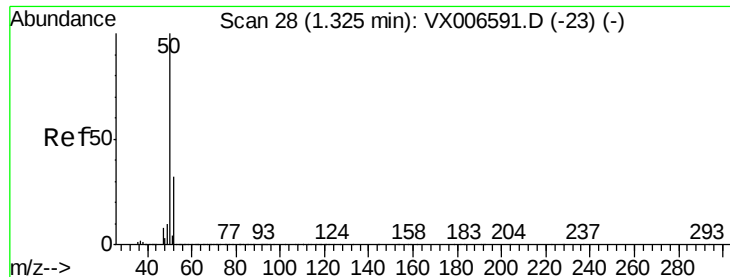
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 17.282 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 50 Resp: 100422

Ion Ratio Lower Upper

50 100

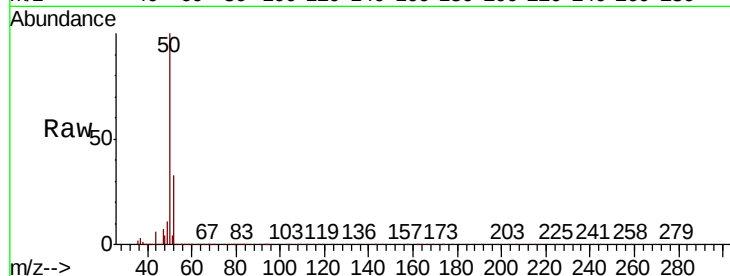
52 32.5 25.4 38.2

Manual Integrations

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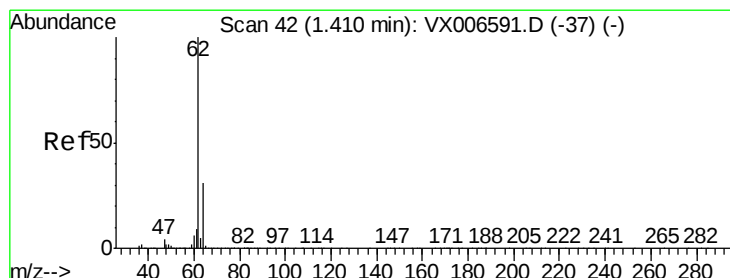
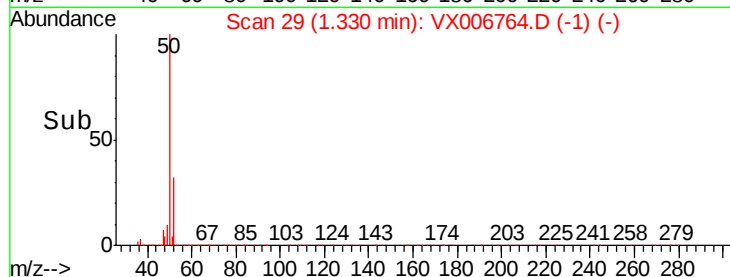
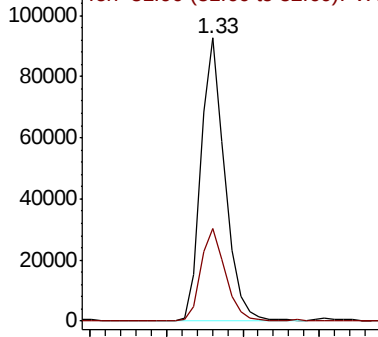
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.362 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006764.D

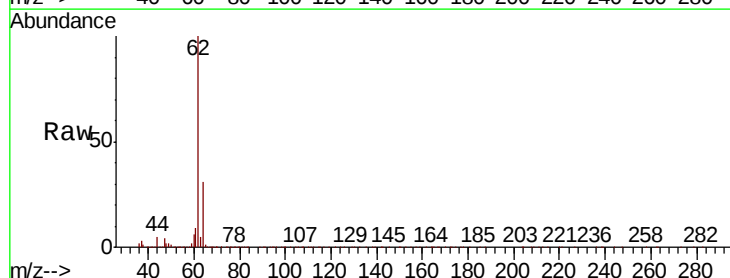
Acq: 22 Dec 2018 11:43

Tgt Ion: 62 Resp: 111436

Ion Ratio Lower Upper

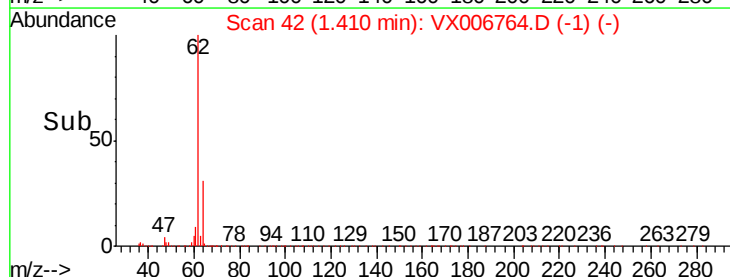
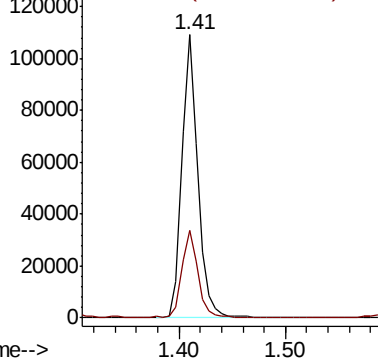
62 100

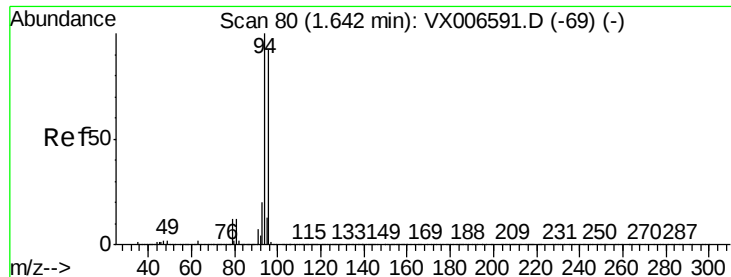
64 30.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.870 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 94 Resp: 108185

Ion Ratio Lower Upper

94 100

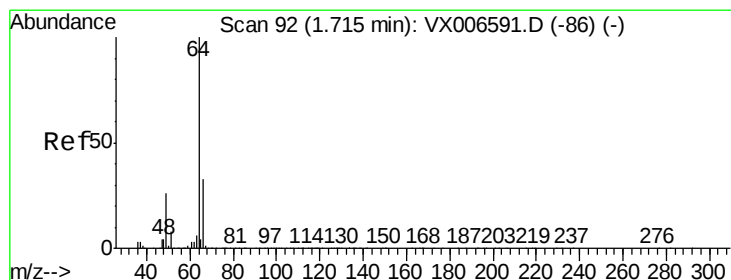
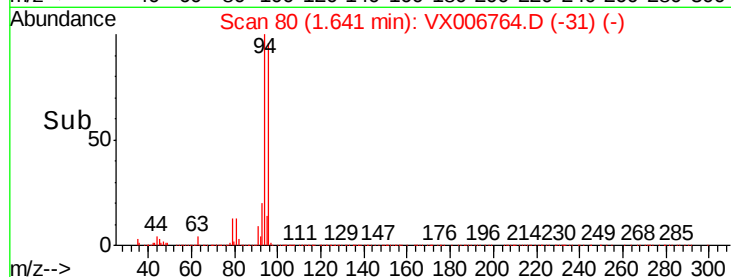
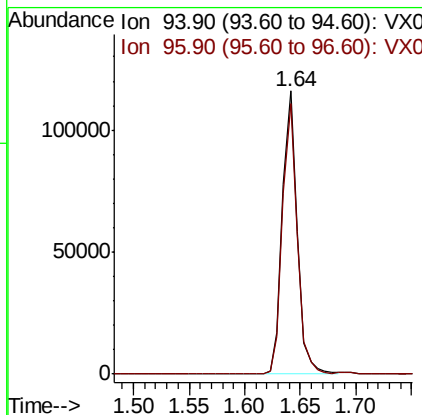
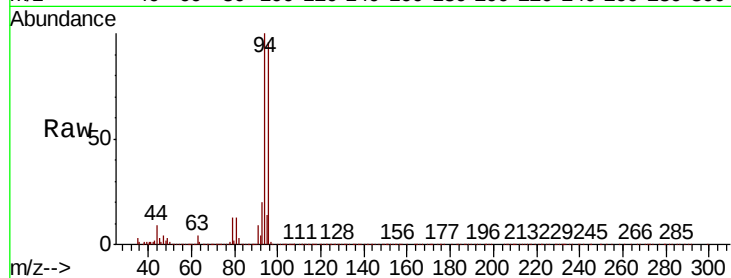
96 95.6 73.4 110.2

Manual Integrations

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12/24/2018 11:47:35 AM



#6

Chloroethane

Concen: 17.219 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006764.D

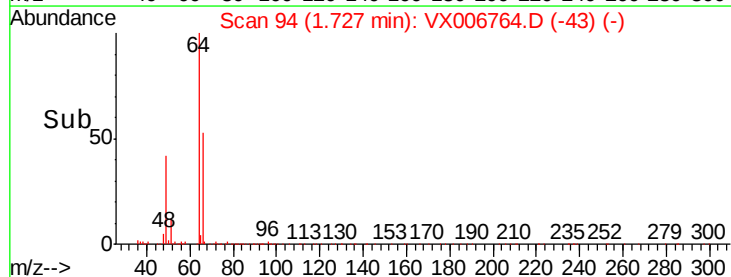
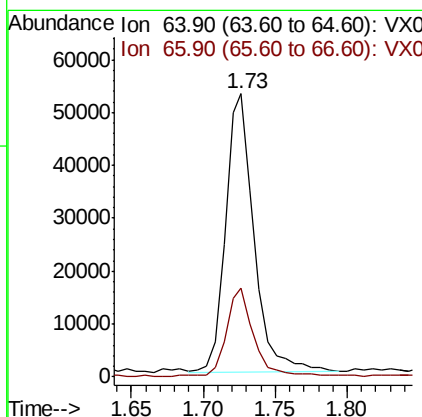
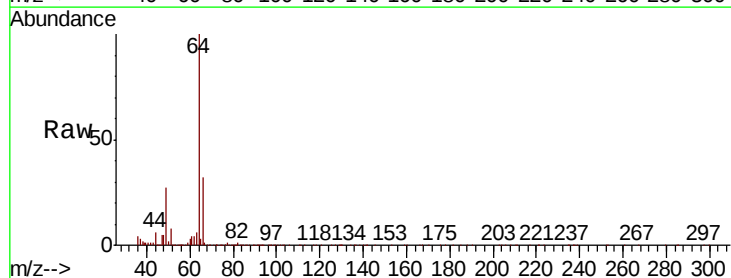
Acq: 22 Dec 2018 11:43

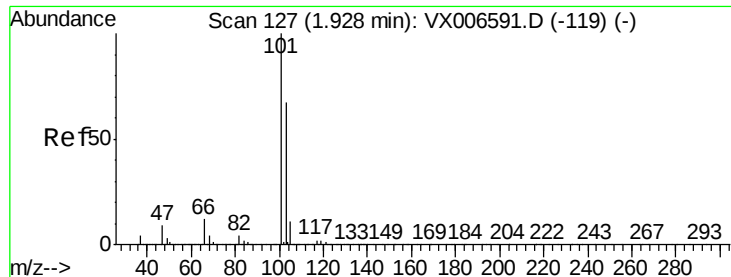
Tgt Ion: 64 Resp: 72358

Ion Ratio Lower Upper

64 100

66 31.8 26.4 39.6





#7

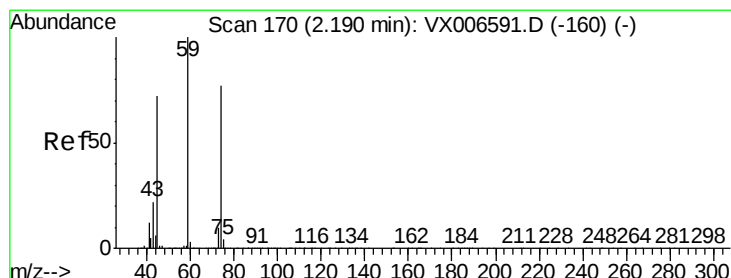
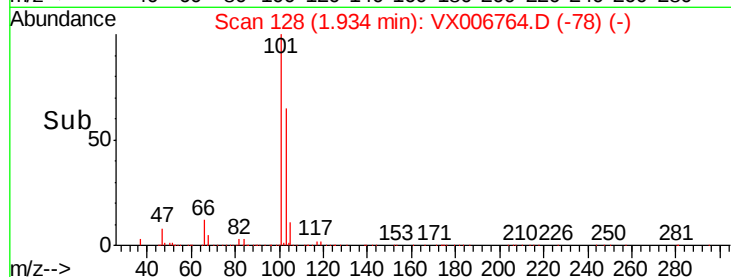
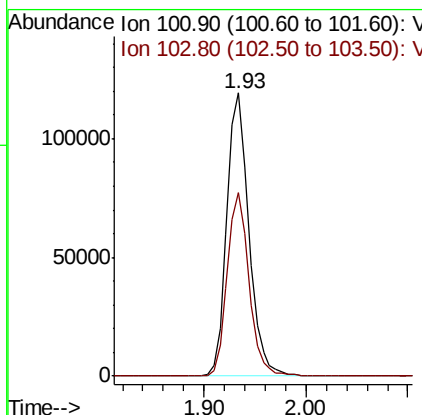
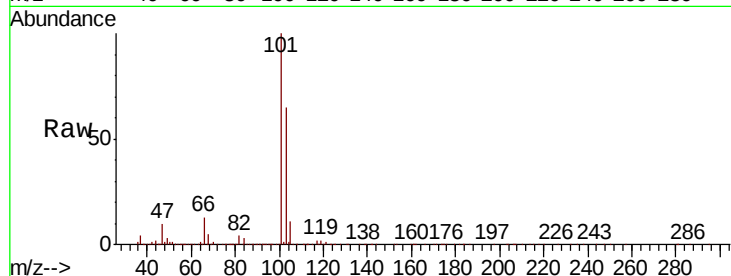
Trichlorofluoromethane
Concen: 18.884 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX006764.D
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VX1222WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	53.2	79.8

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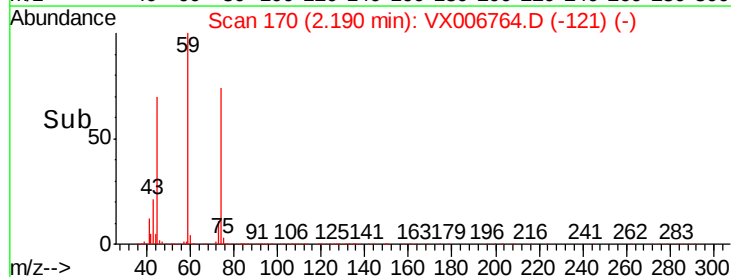
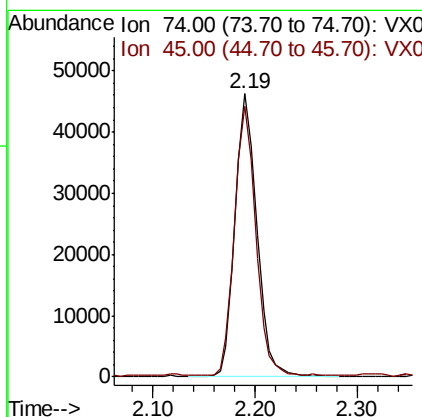
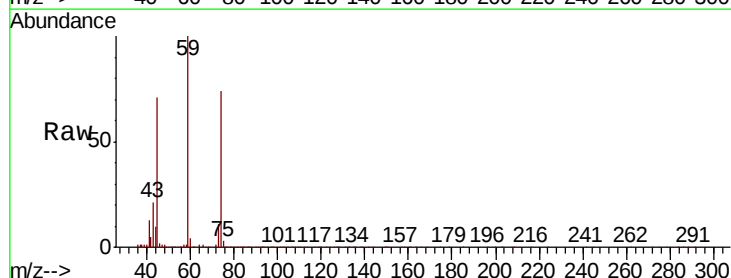
MMDadoda
12/24/2018 11:47:35 AM

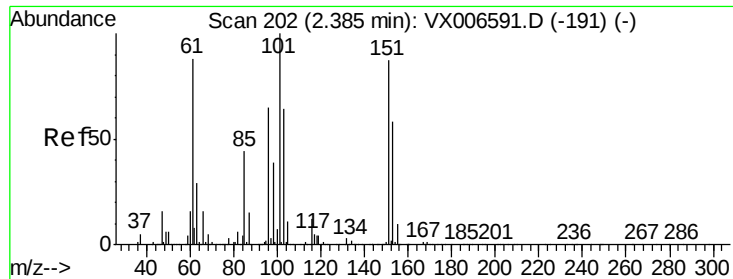


#8

Diethyl Ether
Concen: 18.221 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.445 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

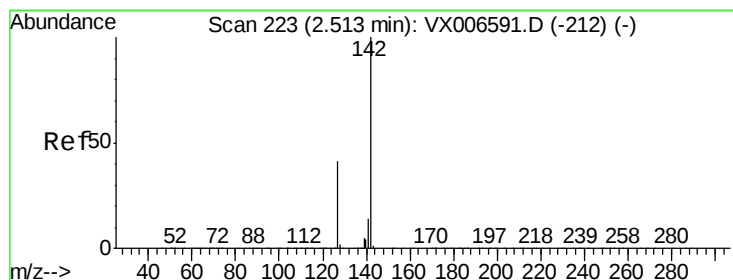
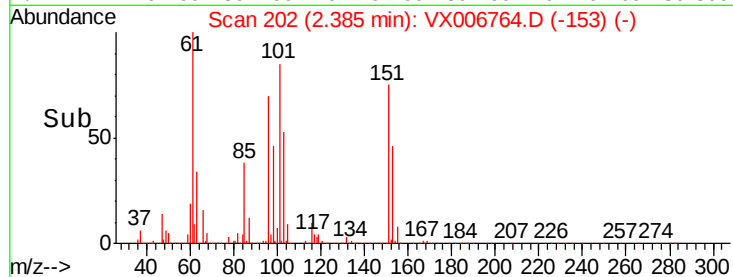
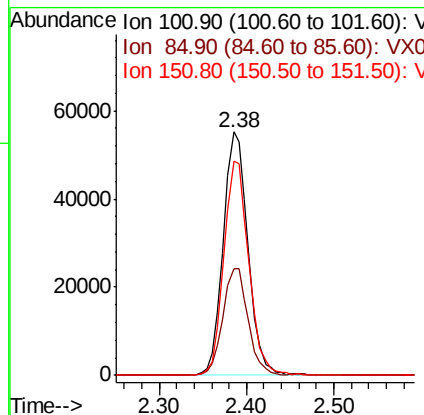
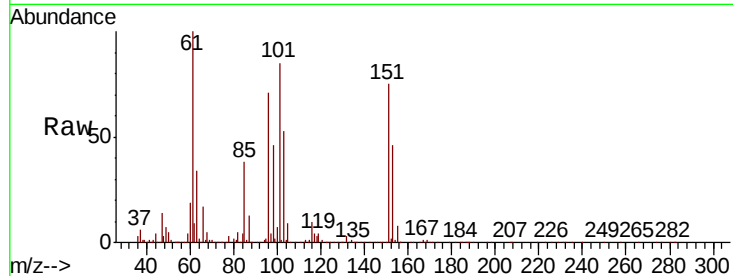
ClientSampleId :

VX1222WBS01

Tot Ion:	101	Resp:	108028
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.1	52.7
151	88.7	68.9	103.3

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#10

Methyl Iodide

Concen: 17.300 ug/l

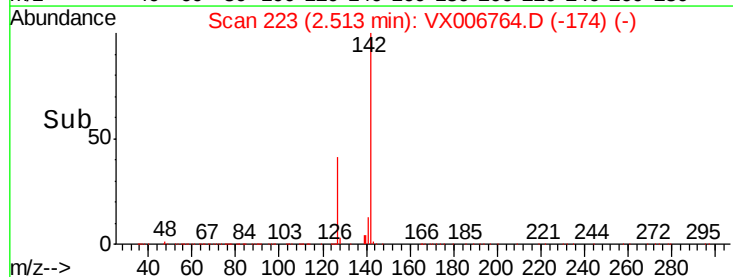
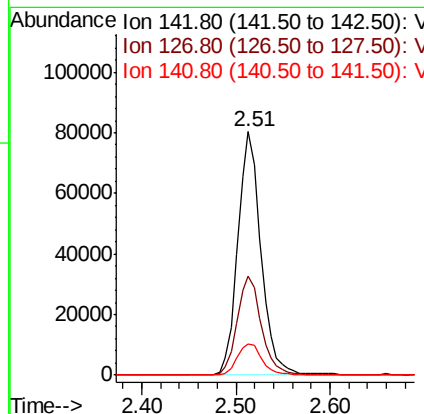
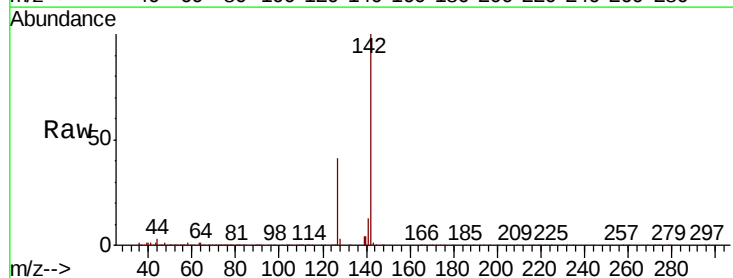
RT: 2.51 min Scan# 223

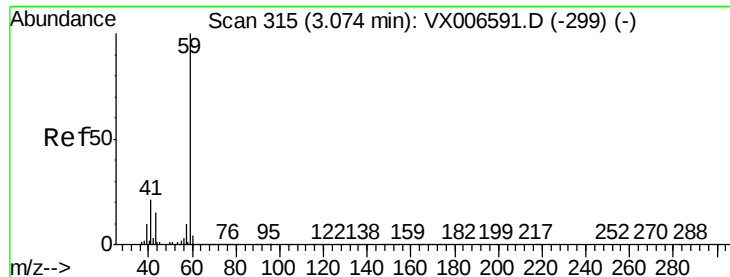
Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	142	Resp:	137580
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.9	50.9
141	14.1	11.4	17.0





#11

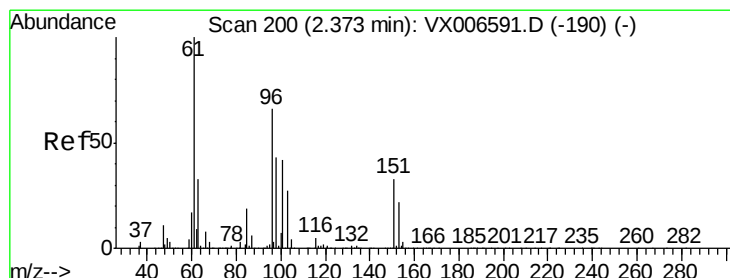
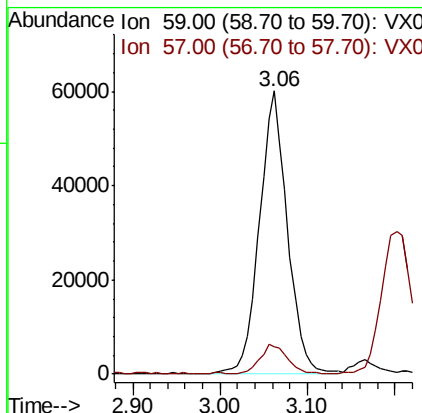
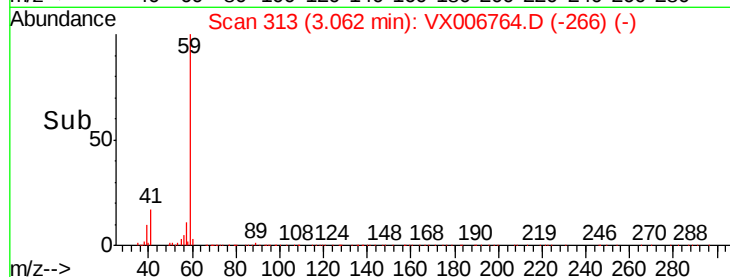
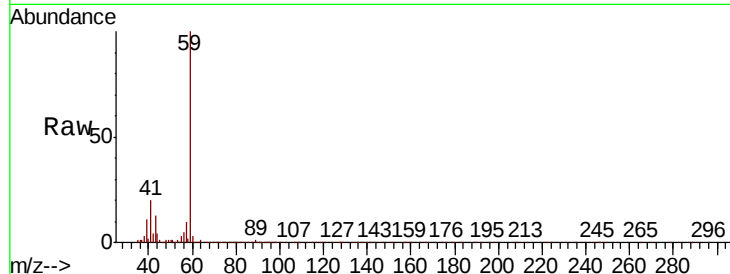
Tert butyl alcohol
Concen: 94.351 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

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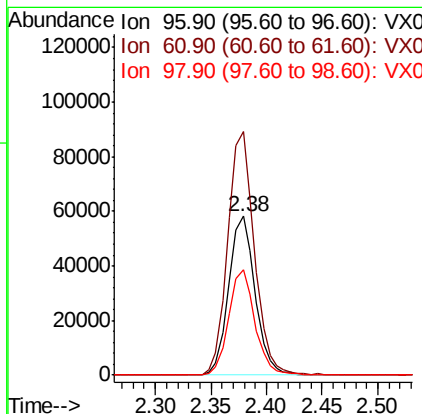
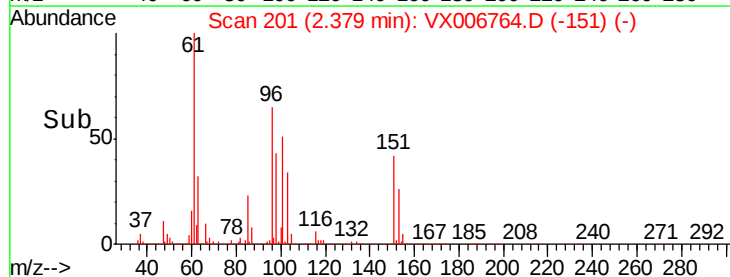
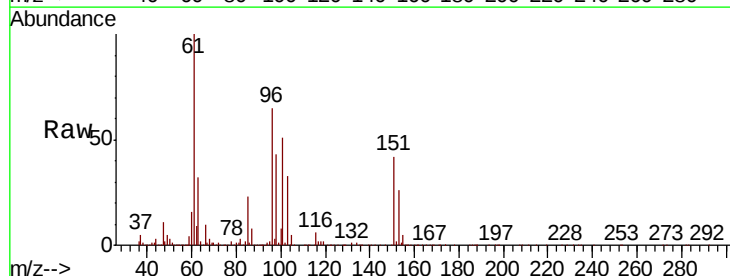
MMDadoda
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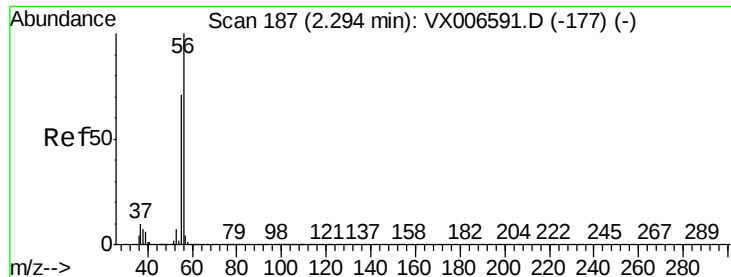


#12

1,1-Dichloroethene
Concen: 18.124 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	121.4	182.2
98	66.3	51.9	77.9





#13

Acrolein

Concen: 90.631 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 56 Resp: 86704

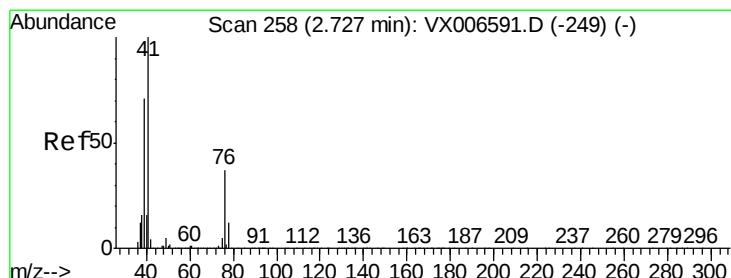
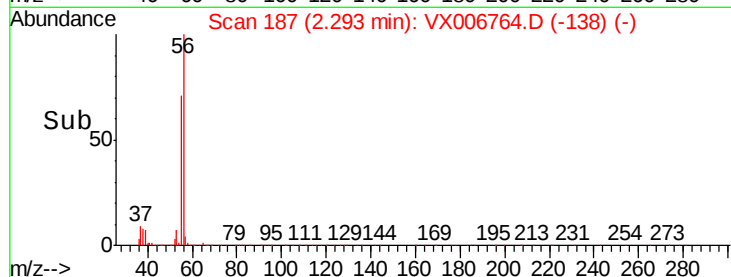
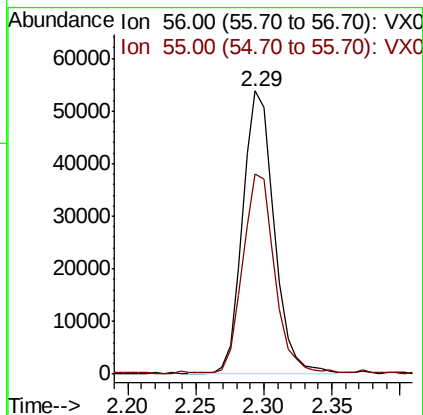
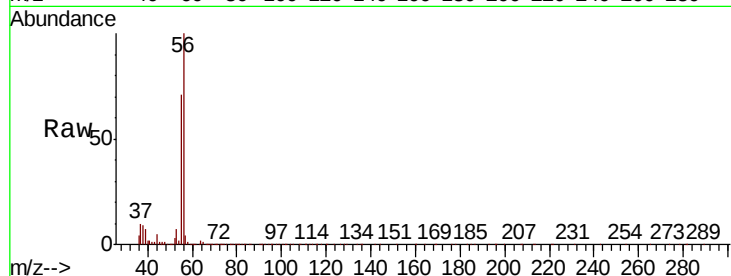
Ion Ratio Lower Upper

56 100

55 71.1 58.2 87.4

Manual Integrations
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#14

Allyl chloride

Concen: 18.392 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

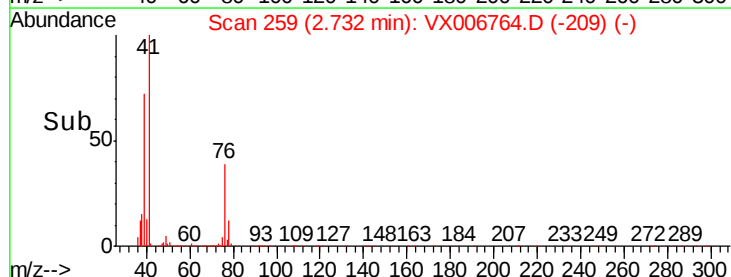
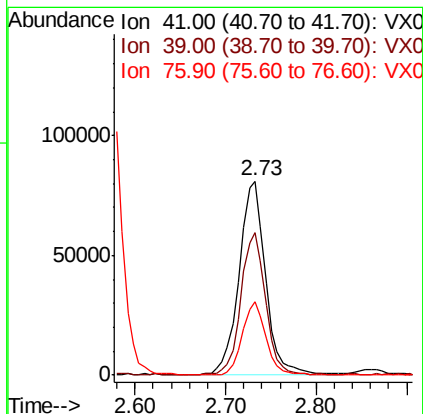
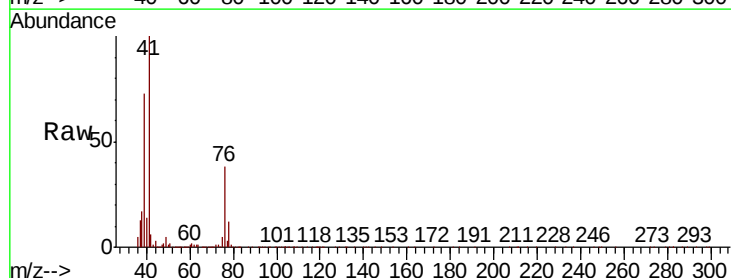
Tgt Ion: 41 Resp: 163082

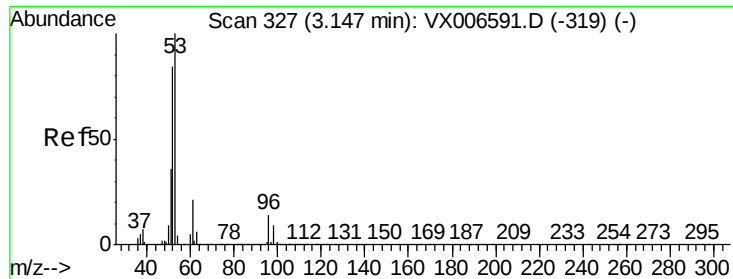
Ion Ratio Lower Upper

41 100

39 68.2 53.6 80.4

76 33.3 27.4 41.2





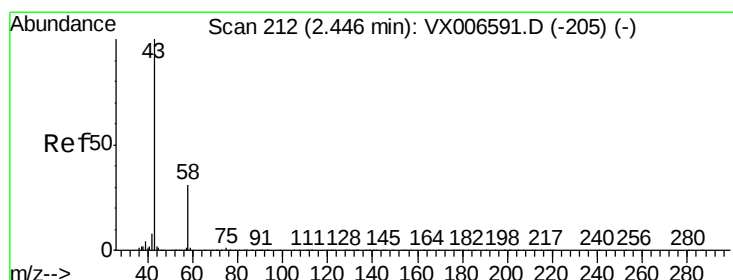
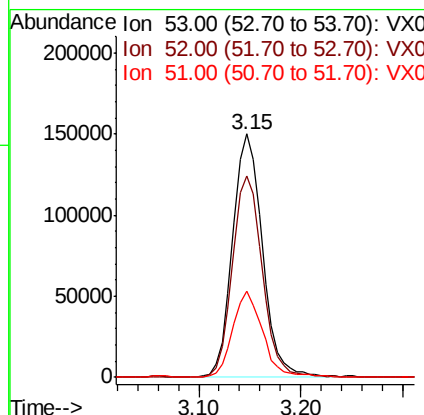
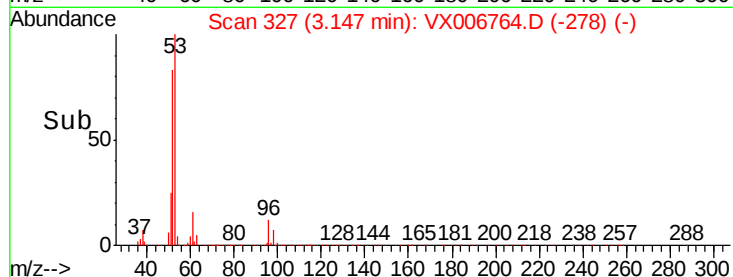
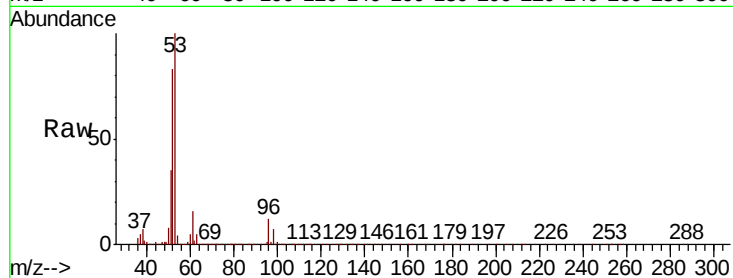
#15
 Acrylonitrile
 Concen: 96.277 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1222WBS01

Tot Ion:	53	Resp:	303143
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.0	99.0
51	35.3	28.6	42.8

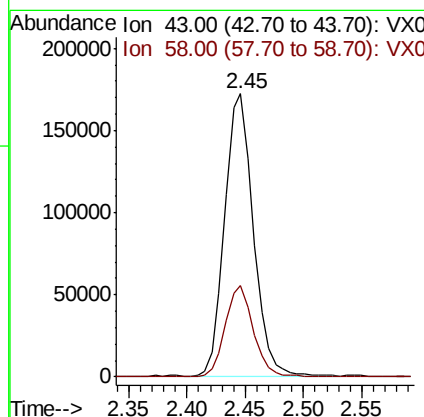
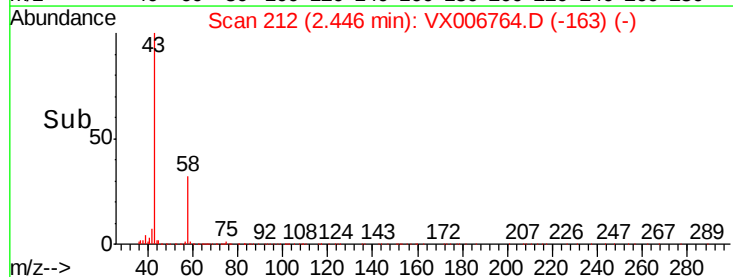
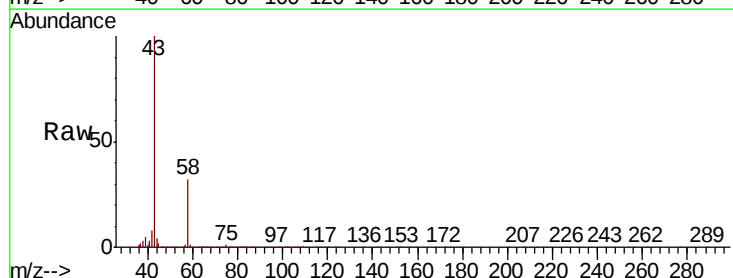
Manual Integrations
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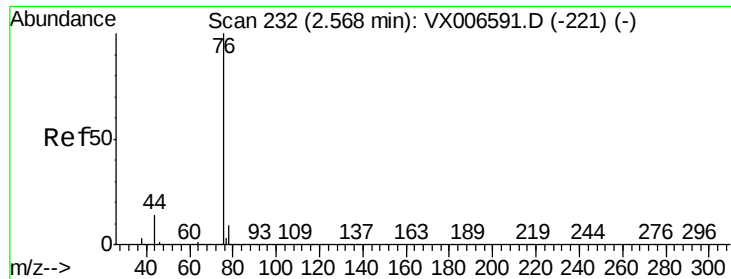
MMDadoda
 12/24/2018 11:47:35 AM



#16
 Acetone
 Concen: 99.855 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Tgt Ion:	43	Resp:	291516
Ion Ratio	Lower	Upper	
43	100		
58	32.1	25.0	37.6





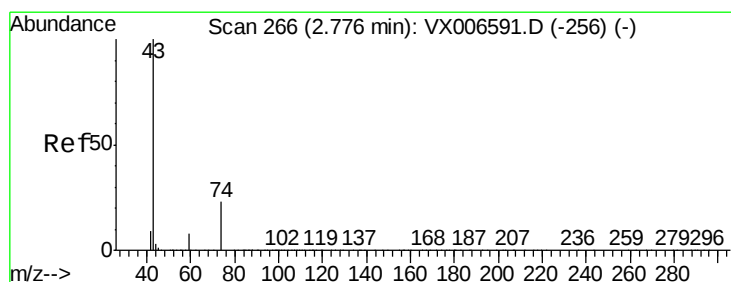
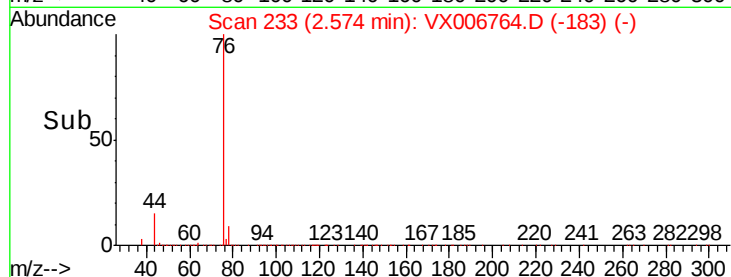
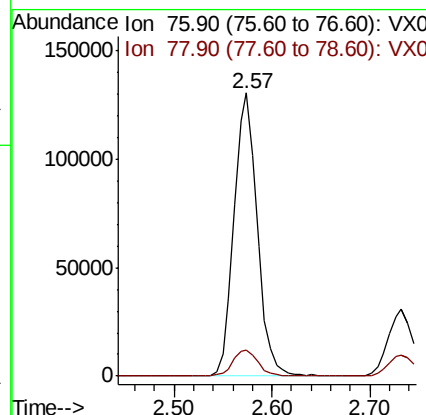
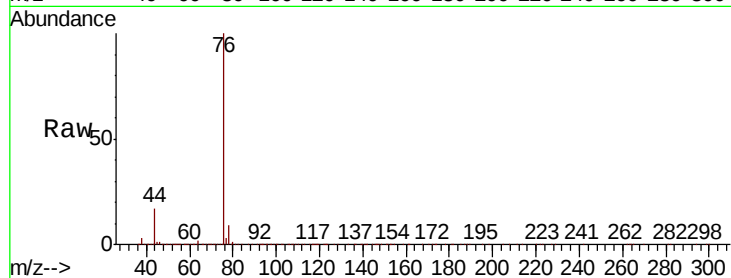
#17
Carbon Disulfide
Concen: 15.427 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

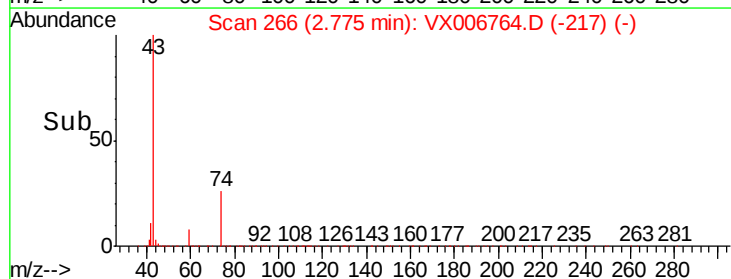
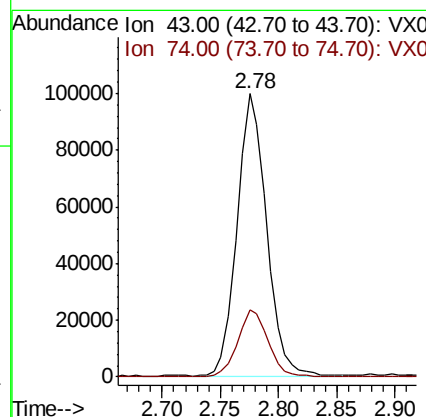
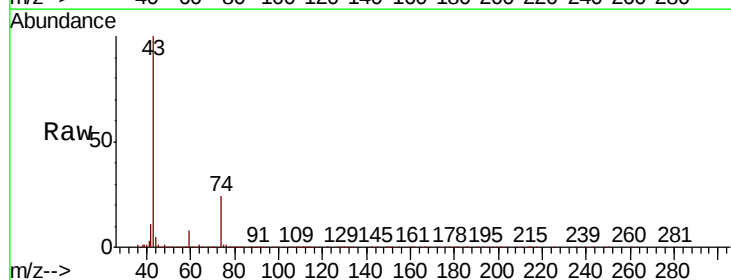
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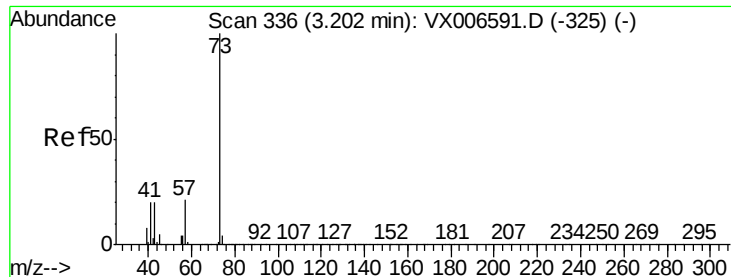
MMDadoda
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#18
Methyl Acetate
Concen: 20.496 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.6	28.0





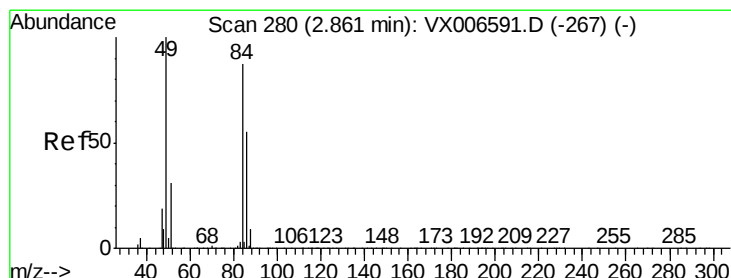
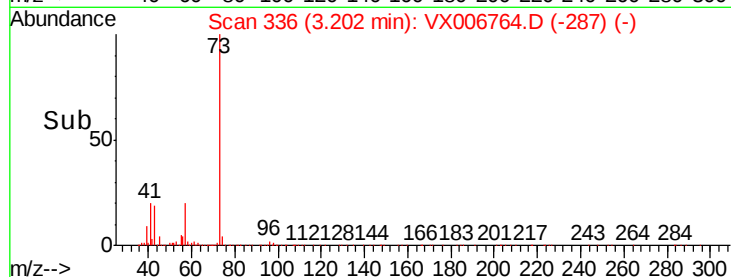
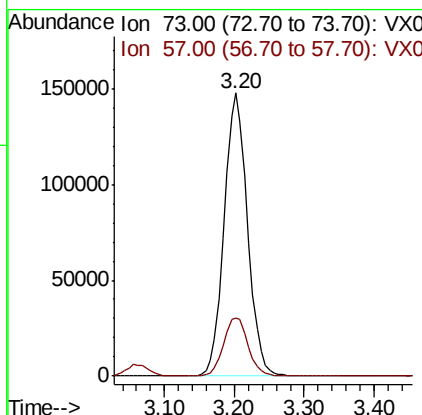
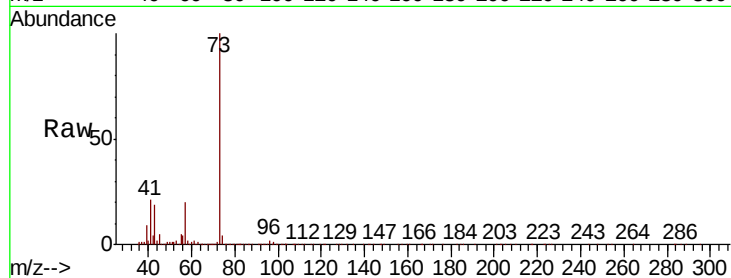
#19
Methvl tert-butvl Ether
Concen: 19.527 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	16.8	25.2

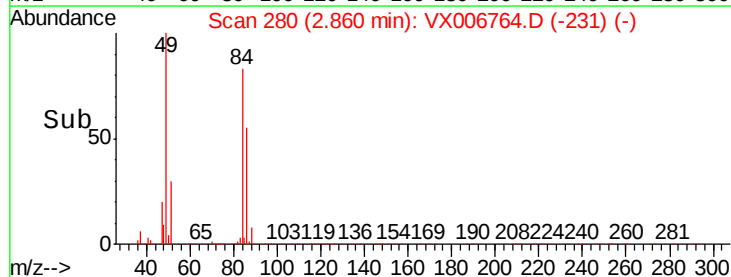
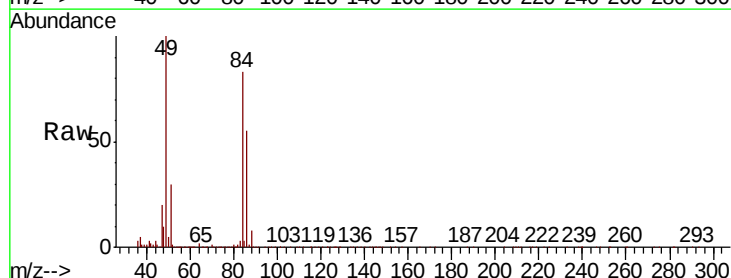
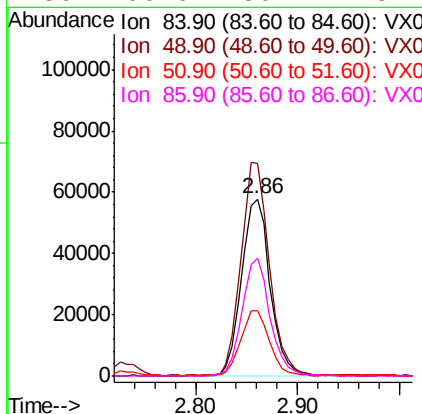
Manual Integrations
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#20
Methylene Chloride
Concen: 18.633 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.8	91.8	137.6
51	36.2	28.5	42.7
86	66.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.883 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

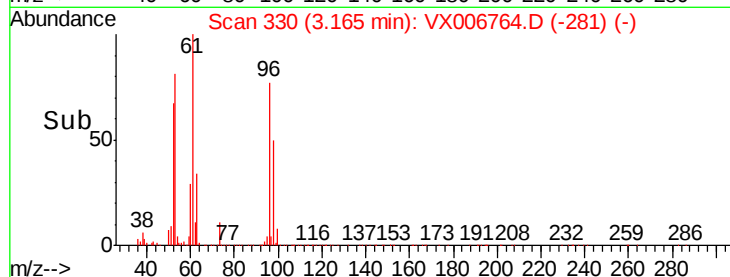
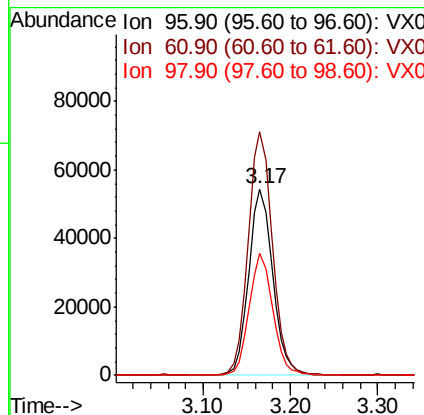
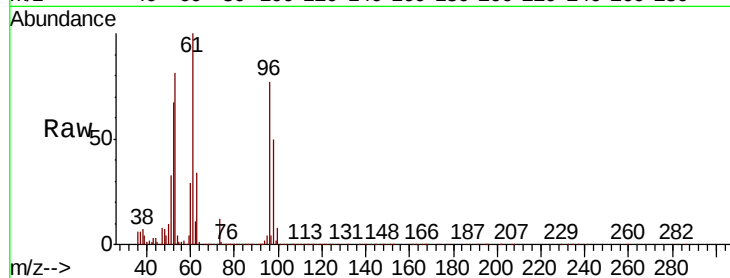
ClientSampleId :

VX1222WBS01

Tot Ion:	96	Resp:	104380
Ion	Ratio	Lower	Upper
96	100		
61	130.1	103.7	155.5
98	65.2	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.810 ug/l

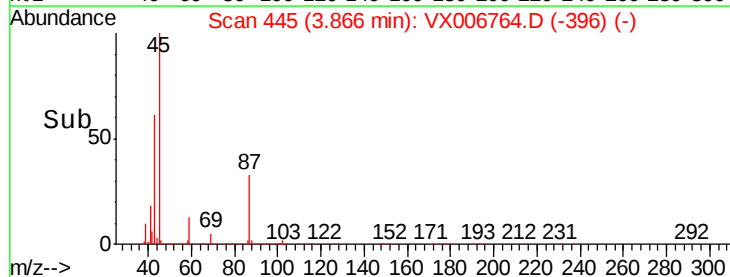
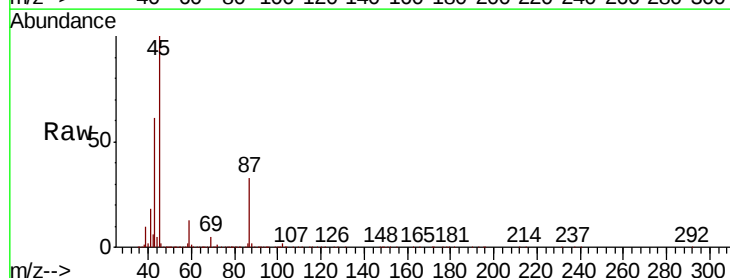
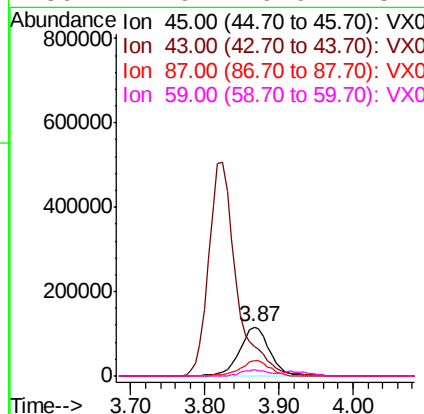
RT: 3.87 min Scan# 445

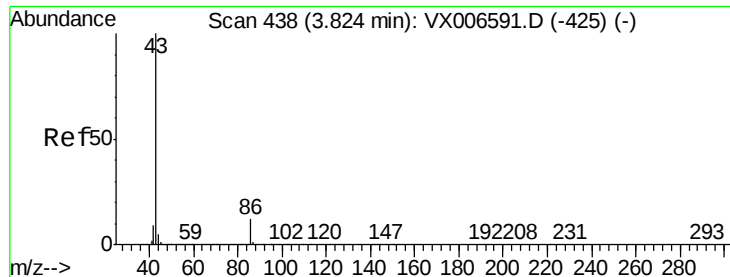
Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	45	Resp:	321344
Ion	Ratio	Lower	Upper
45	100		
43	60.7	51.2	76.8
87	32.5	25.8	38.6
59	12.6	9.0	13.4





#23

Vinyl Acetate

Concen: 98.542 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 43 Resp: 1307523

Ion Ratio Lower Upper

43 100

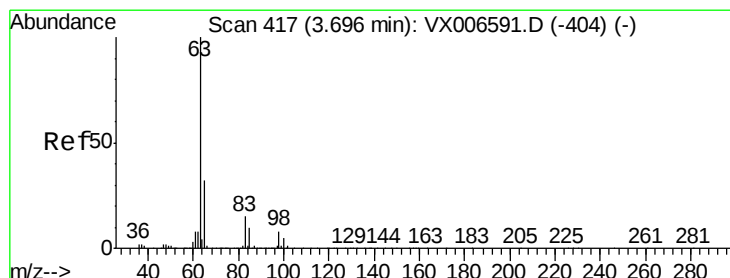
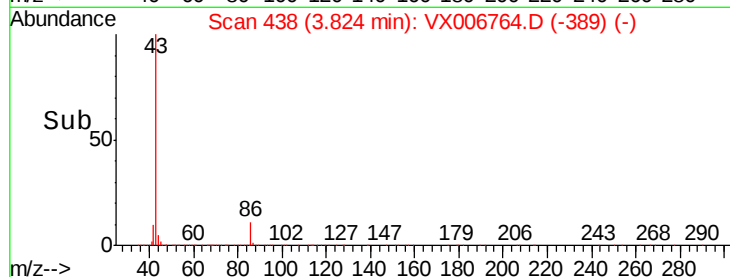
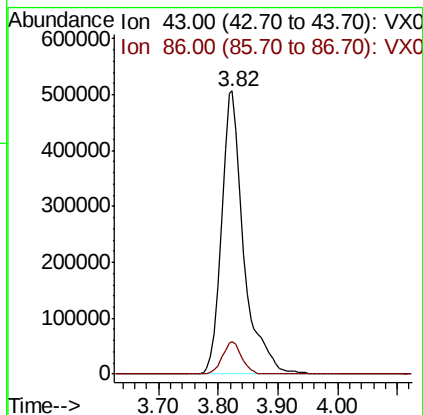
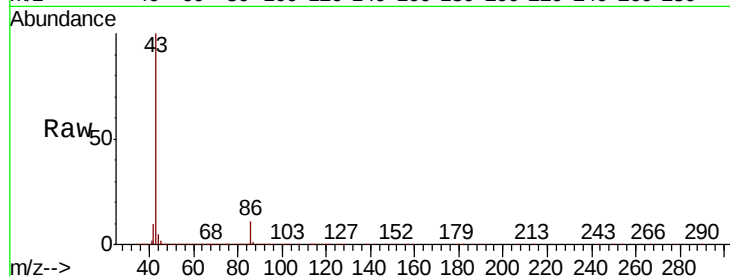
86 11.3 9.2 13.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.995 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

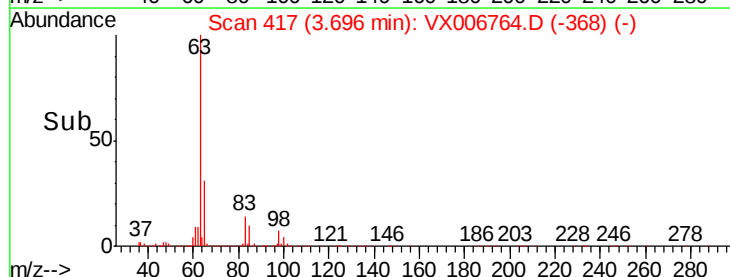
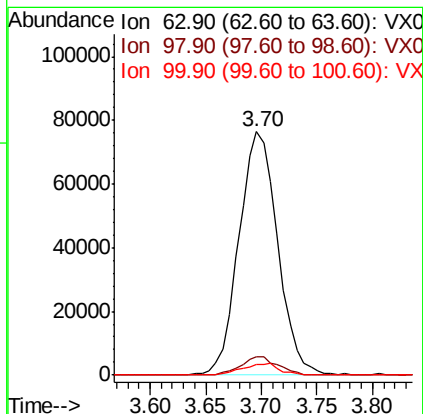
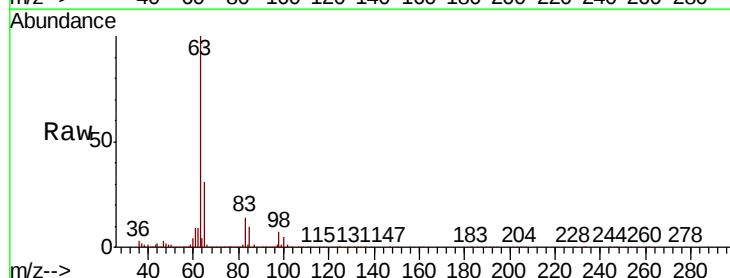
Tgt Ion: 63 Resp: 183939

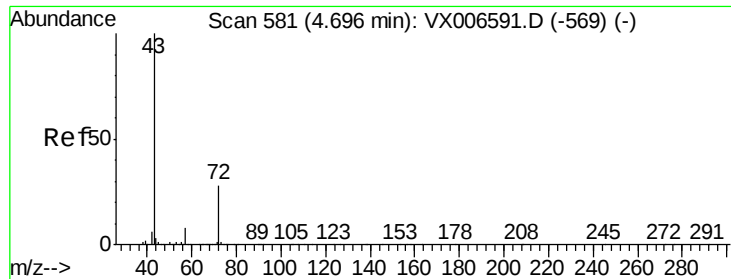
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 97.481 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 43 Resp: 400302

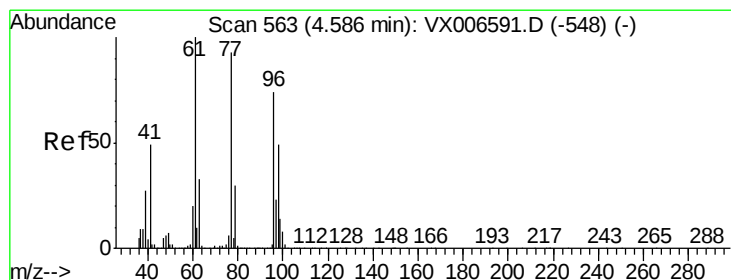
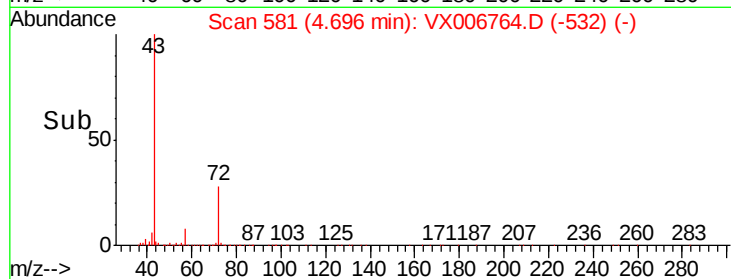
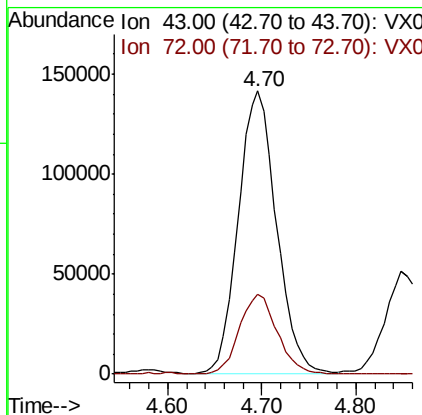
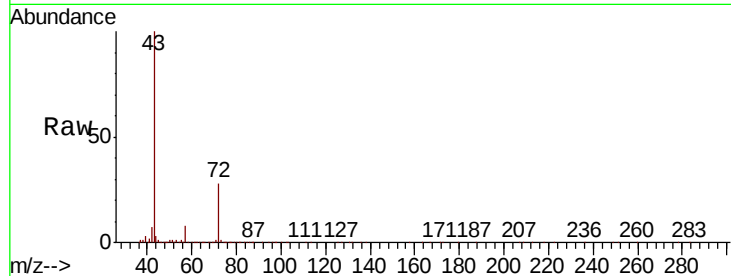
Ion Ratio Lower Upper

43 100

72 27.9 22.4 33.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 17.128 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006764.D

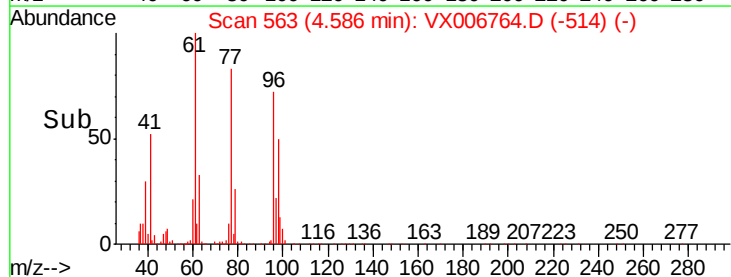
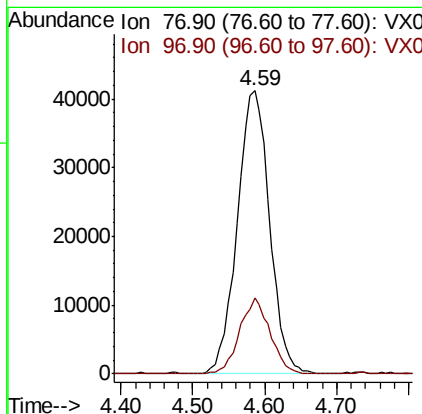
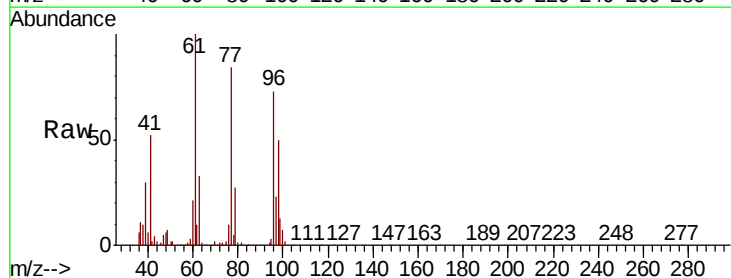
Acq: 22 Dec 2018 11:43

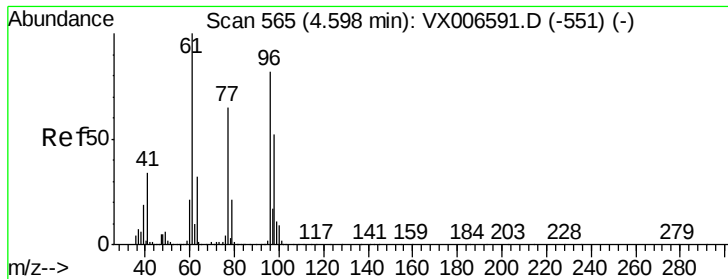
Tgt Ion: 77 Resp: 128120

Ion Ratio Lower Upper

77 100

97 25.5 12.4 37.4





#27

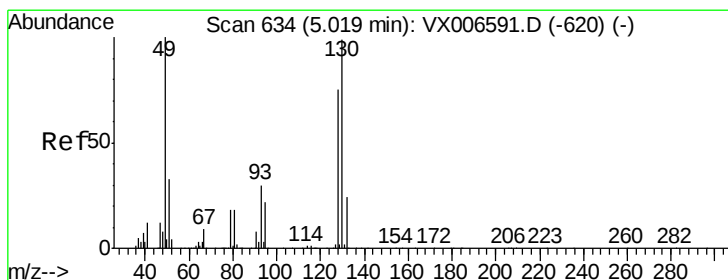
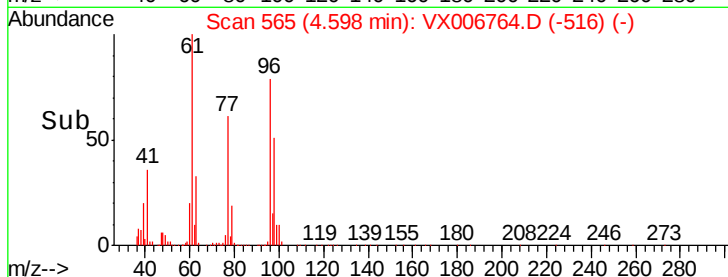
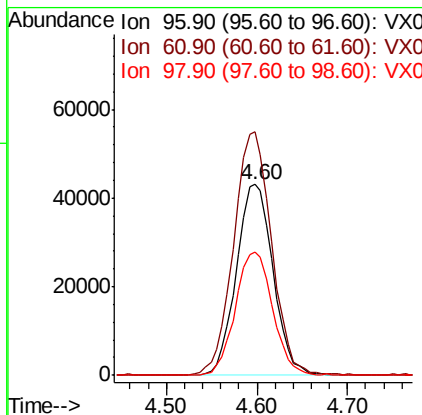
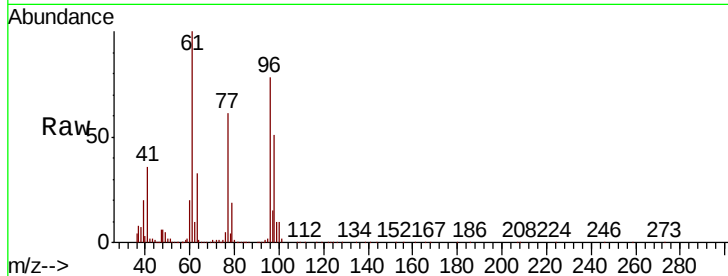
cis-1,2-Dichloroethene
 Concen: 18.770 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1222WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	258.6
98	66.0	0.0	132.0

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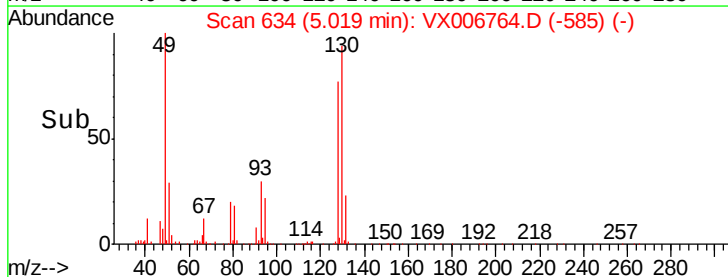
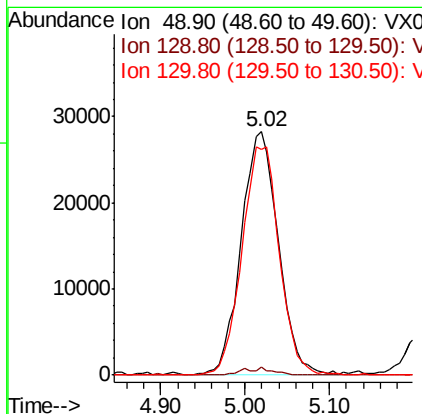
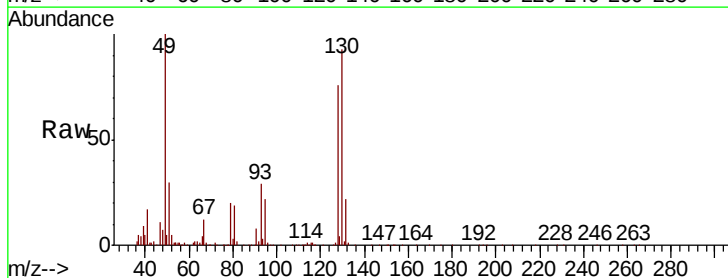
MMDadoda
 12/24/2018 11:47:35 AM

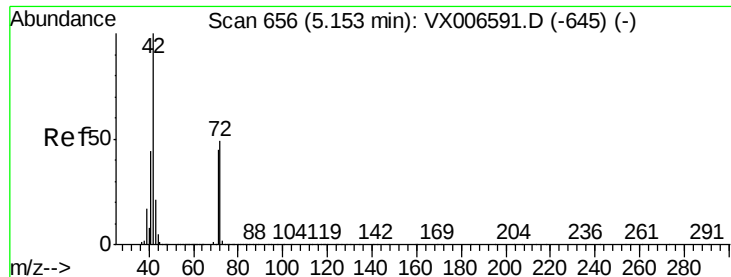


#28

Bromochloromethane
 Concen: 19.620 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.4
130	94.2	77.7	116.5





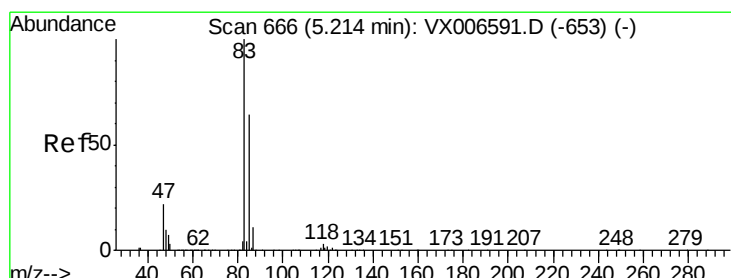
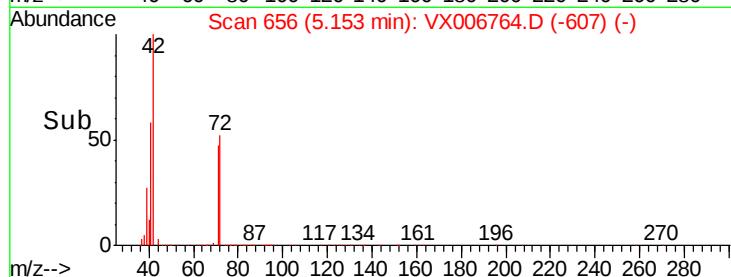
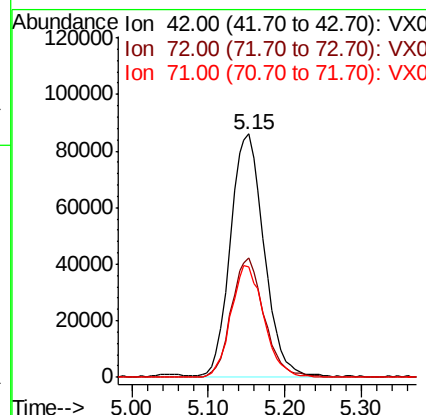
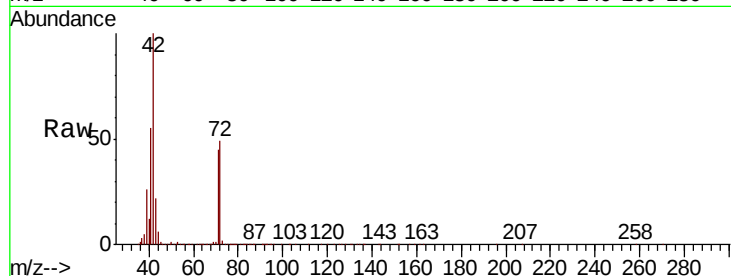
#29
Tetrahydrofuran
Concen: 96.434 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.9	58.3
71	45.0	36.2	54.4

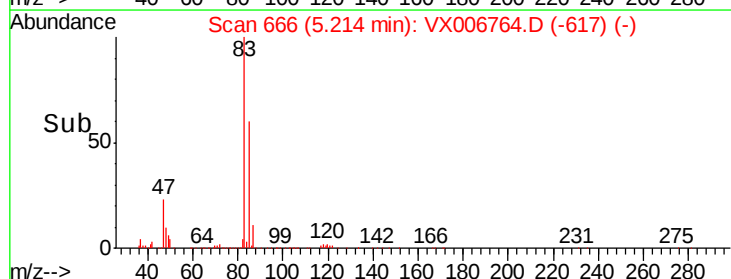
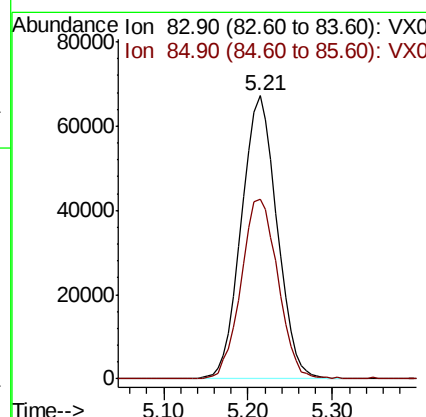
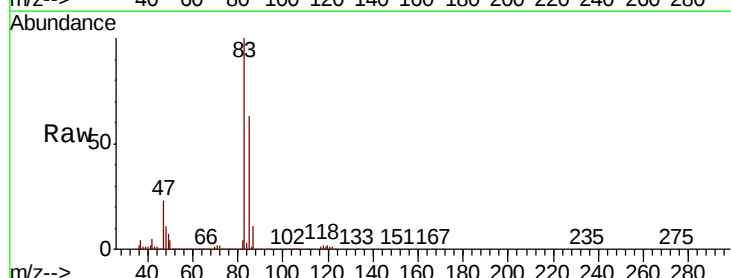
Manual Integrations
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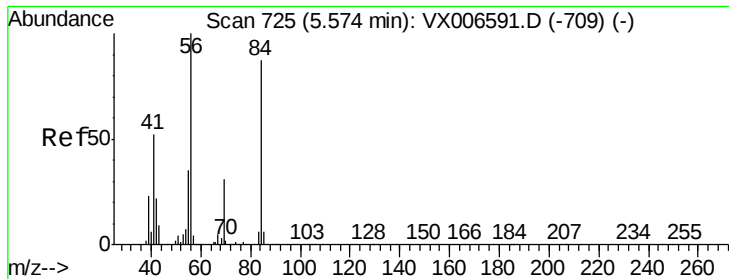
MMDadoda
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#30
Chloroform
Concen: 19.187 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.2	76.8





#31

Cyclohexane

Concen: 18.927 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

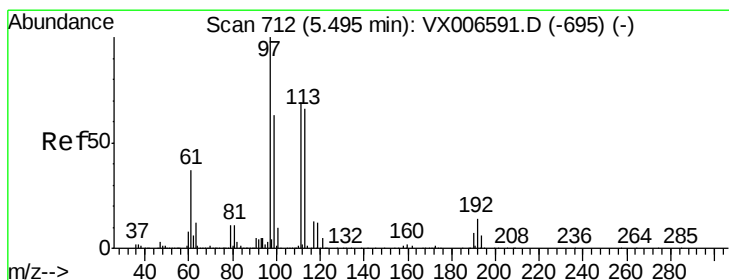
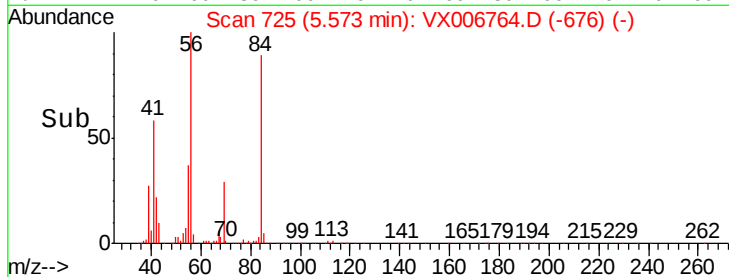
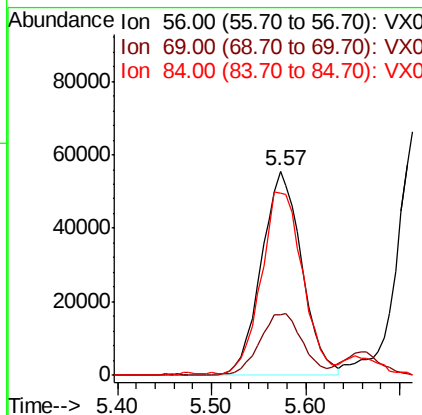
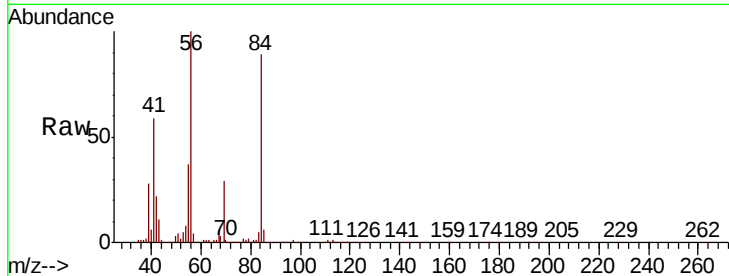
ClientSampleId :

VX1222WBS01

Tot Ion:	56	Resp:	166510
Ion Ratio	Lower	Upper	
56	100		
69	29.0	24.4	36.6
84	87.6	70.0	105.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.521 ug/l

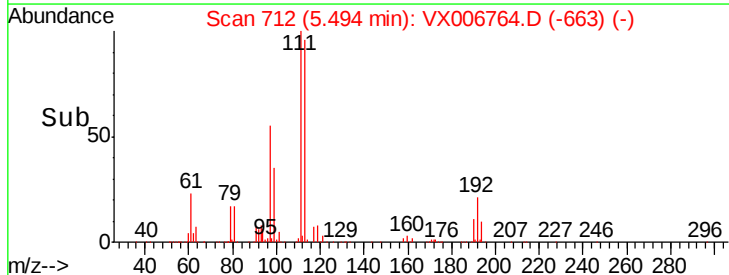
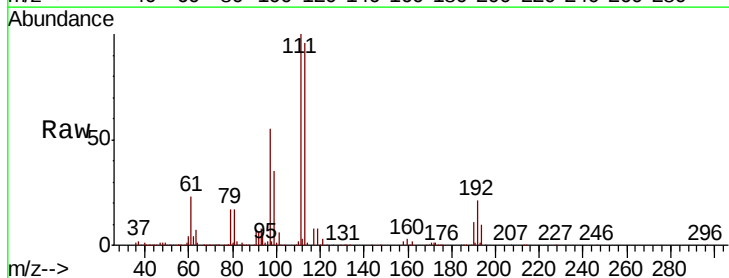
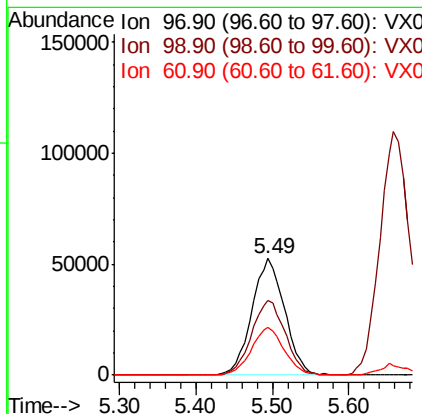
RT: 5.49 min Scan# 712

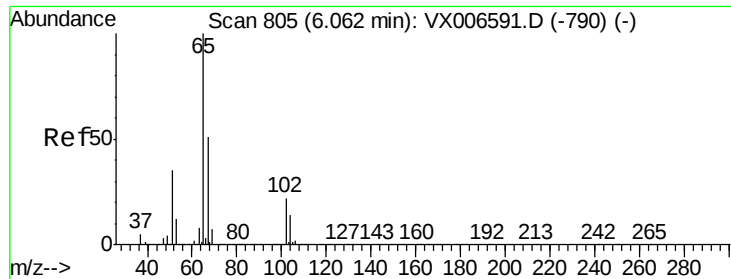
Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	97	Resp:	156824
Ion Ratio	Lower	Upper	
97	100		
99	65.6	51.7	77.5
61	41.3	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 48.479 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 65 Resp: 308052

Ion Ratio Lower Upper

65 100

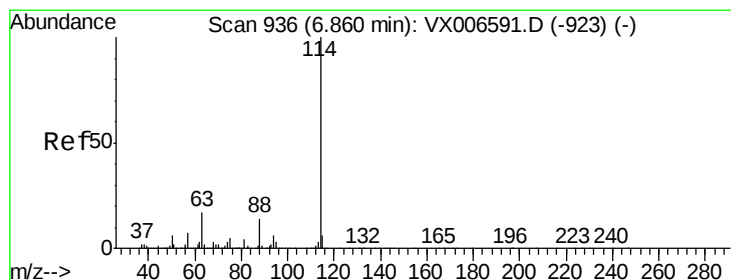
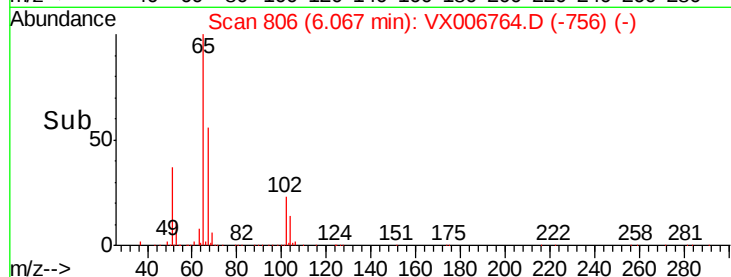
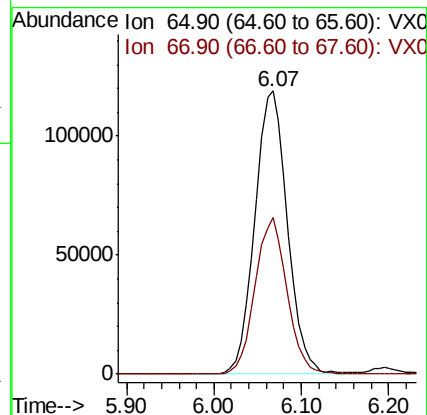
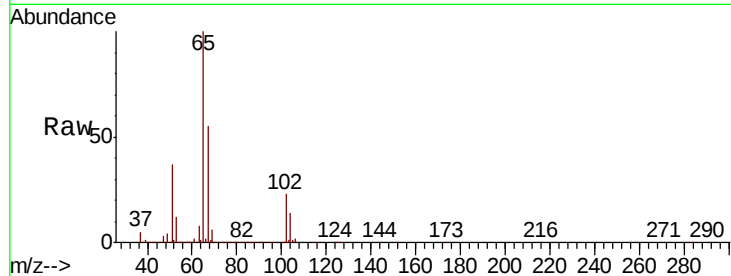
67 54.2 0.0 105.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

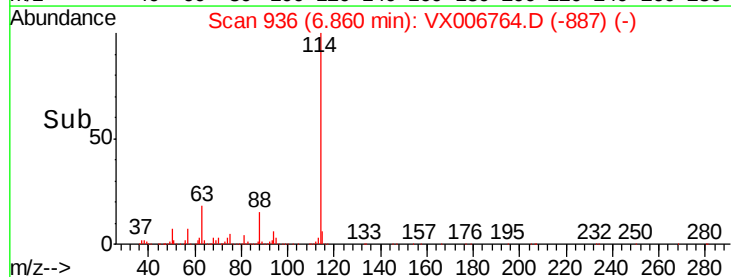
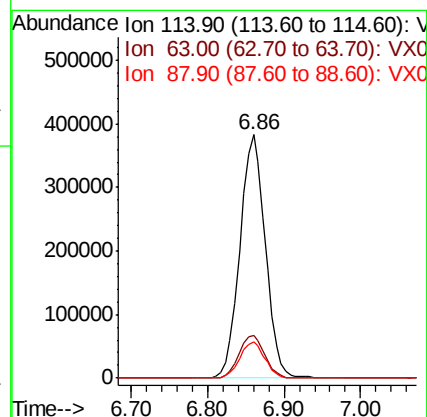
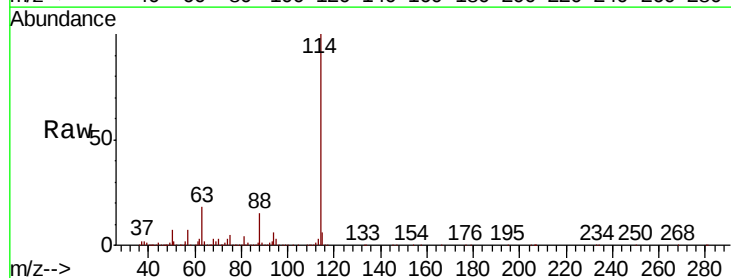
Tgt Ion: 114 Resp: 882473

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

88 14.8 0.0 28.8





#35

Dibromofluoromethane

Concen: 49.526 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

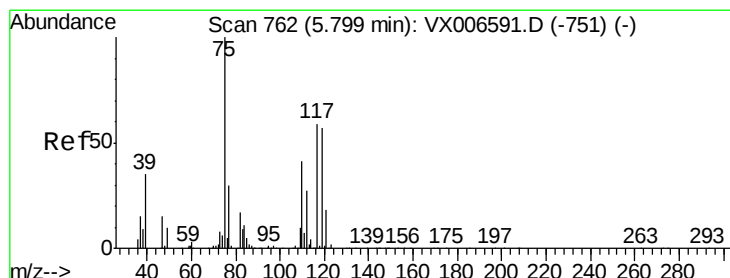
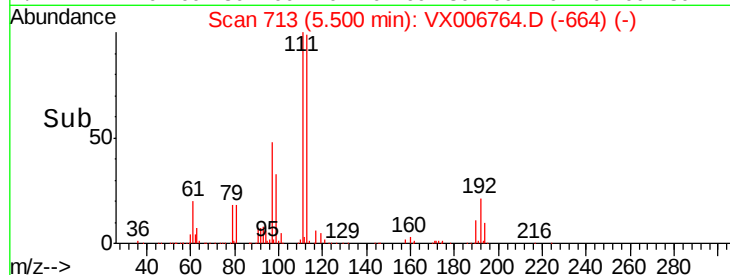
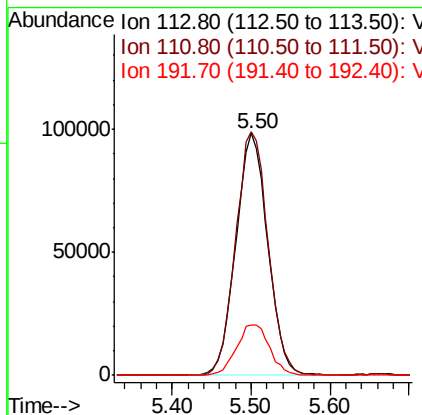
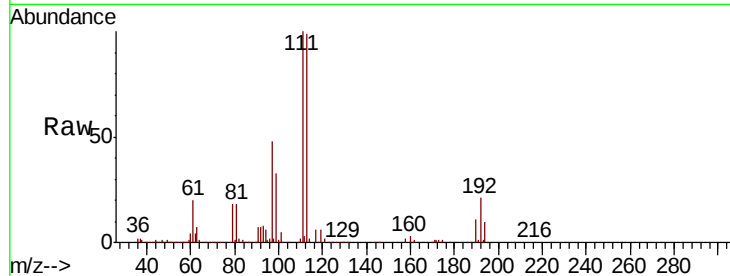
ClientSampleId :

VX1222WBS01

Tot Ion:	113	Resp:	276387
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.6	122.4
192	21.8	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.363 ug/l

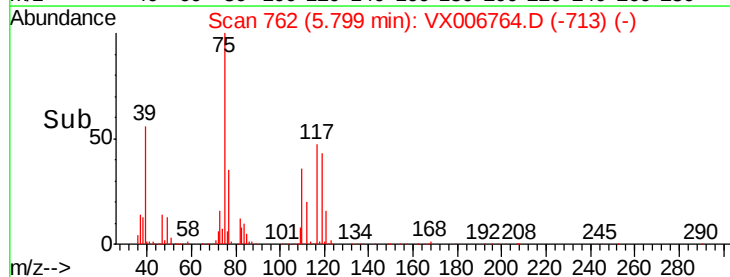
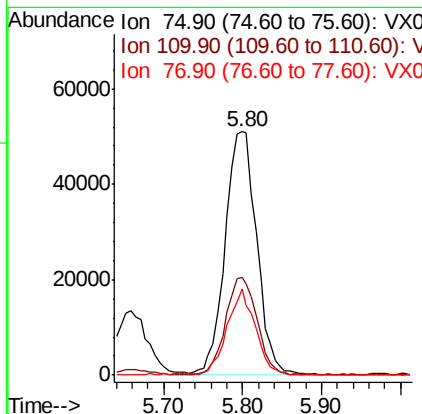
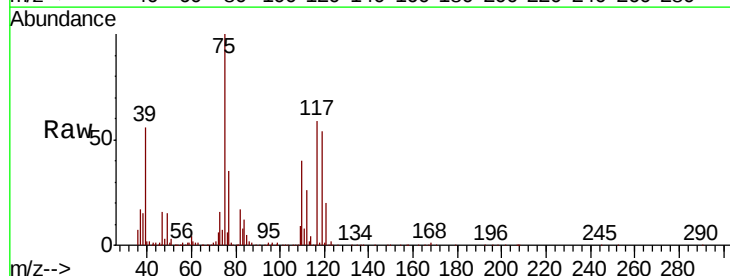
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	75	Resp:	141521
Ion Ratio	Lower	Upper	
75	100		
110	40.4	20.2	60.5
77	31.4	24.8	37.2





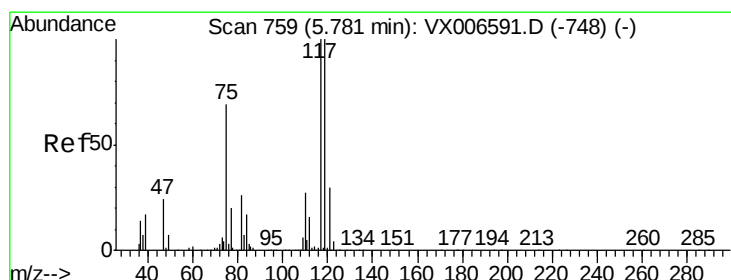
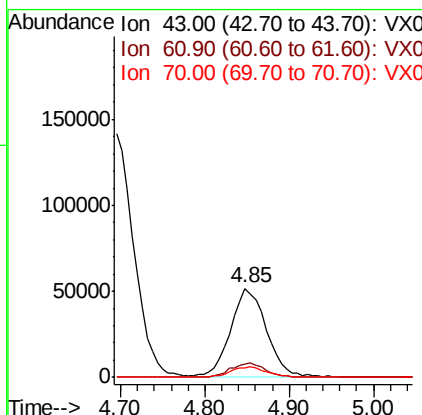
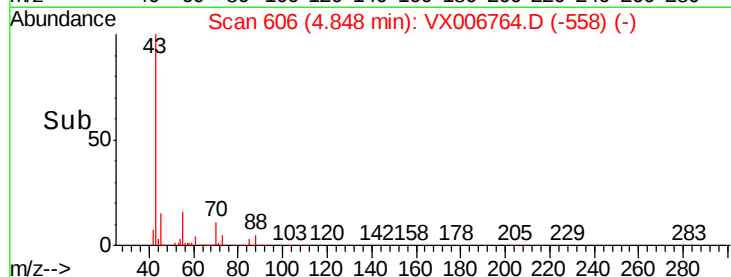
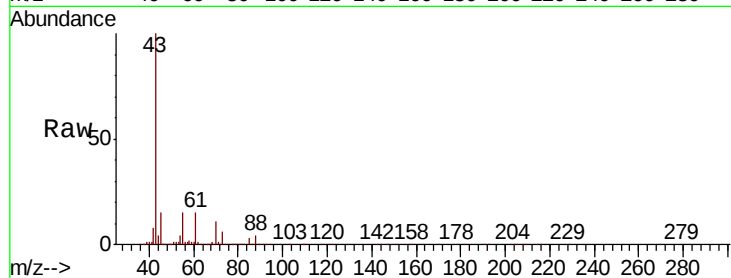
#37
Ethyl Acetate
Concen: 19.418 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	43	Resp	147715
Ion Ratio	Lower	Upper	
43	100		
61	15.3	11.9	17.9
70	12.1	9.7	14.5

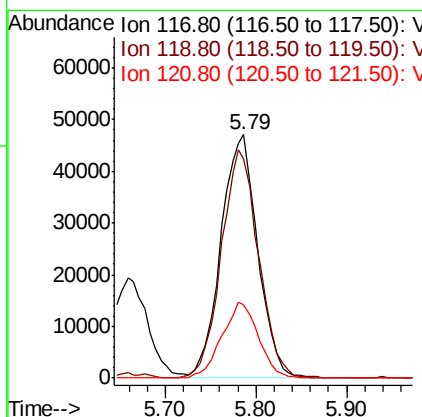
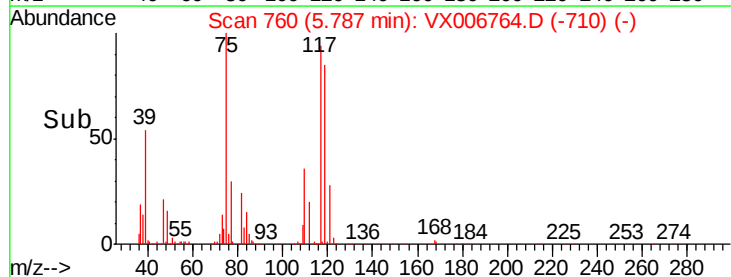
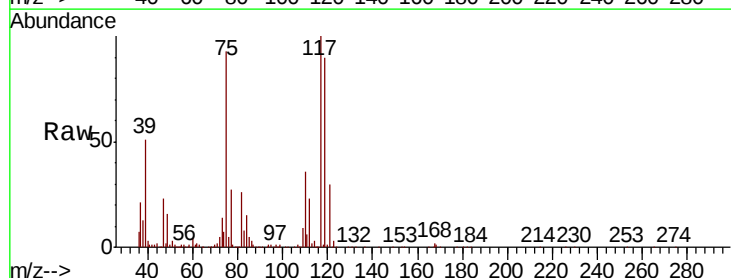
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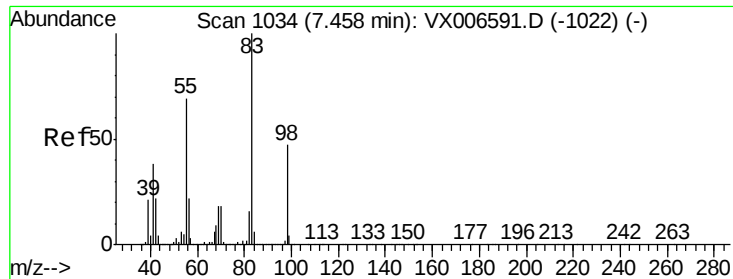
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#38
Carbon Tetrachloride
Concen: 18.664 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	117	Resp	132569
Ion Ratio	Lower	Upper	
117	100		
119	89.7	79.4	119.2
121	30.0	24.0	36.0





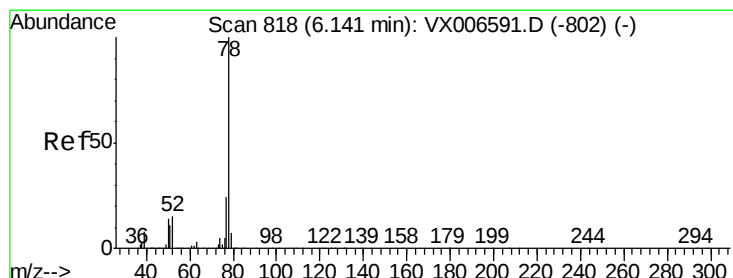
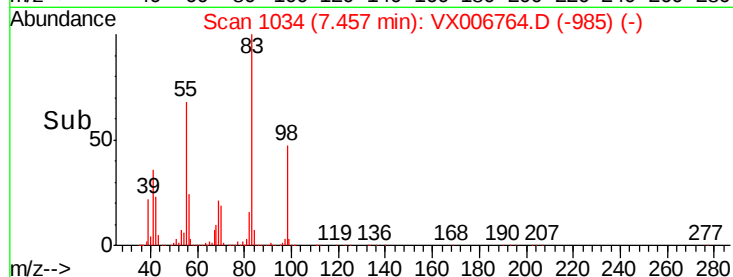
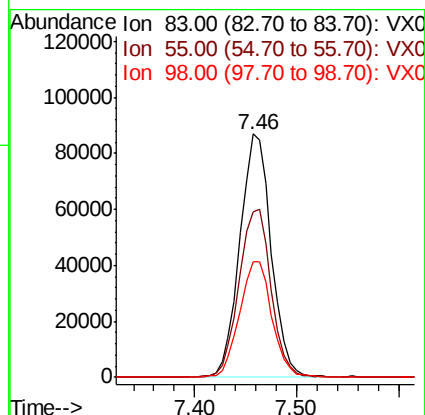
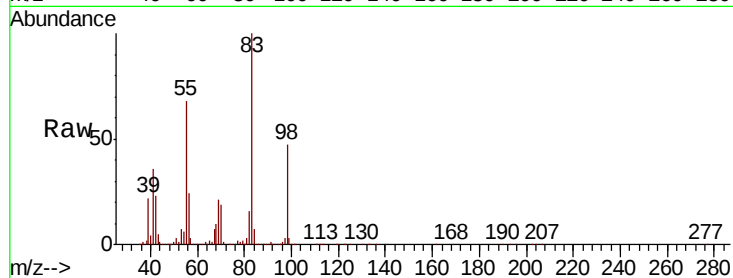
#39
Methvlcvclohexane
Concen: 19.243 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	54.9	82.3
98	47.2	37.9	56.9

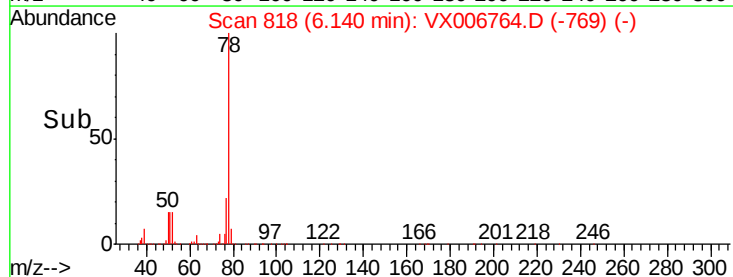
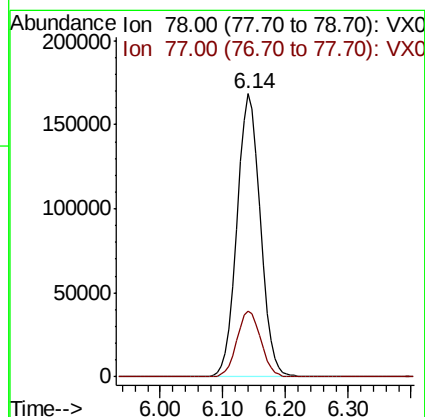
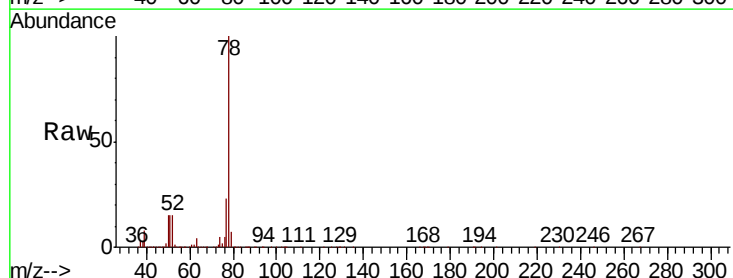
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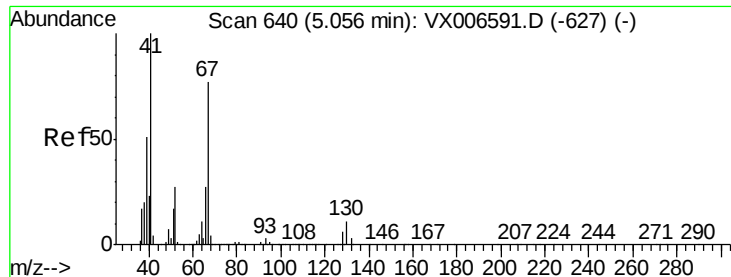
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#40
Benzene
Concen: 19.630 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





#41

Methacrylonitrile

Concen: 20.948 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

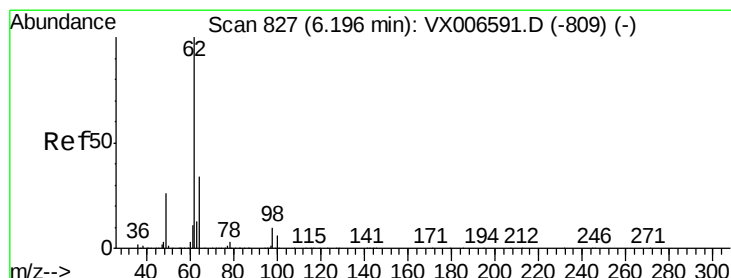
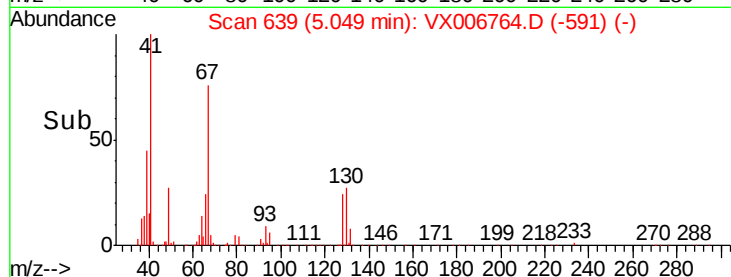
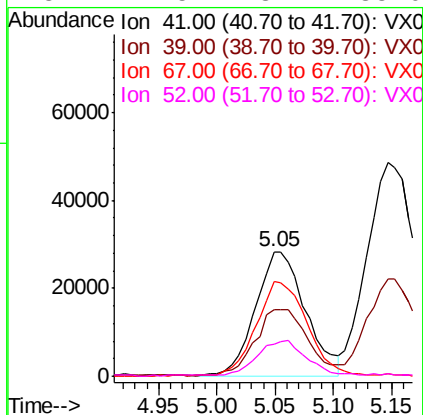
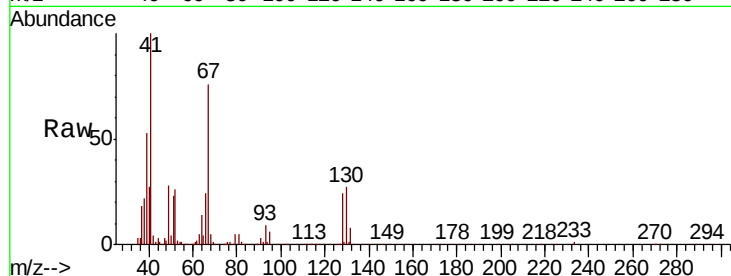
ClientSampleId :

VX1222WBS01

Tot Ion:	41	Resp:	84607
Ion Ratio	Lower	Upper	
41	100		
39	56.1	42.8	64.2
67	76.6	62.1	93.1
52	27.5	23.4	35.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.614 ug/l

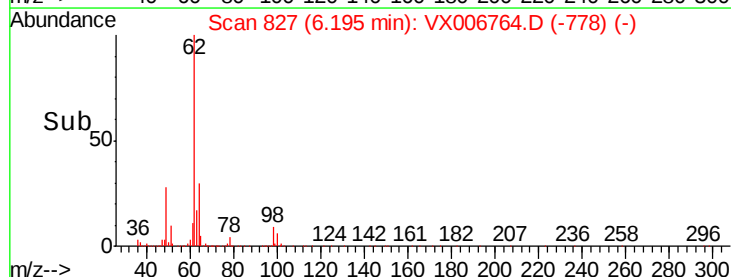
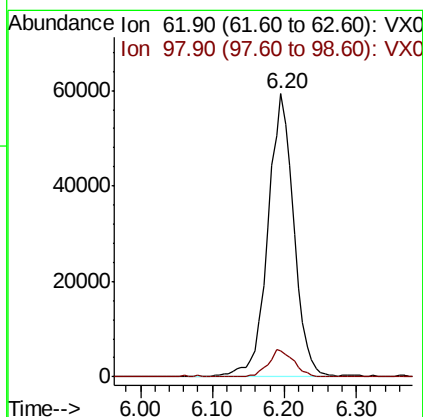
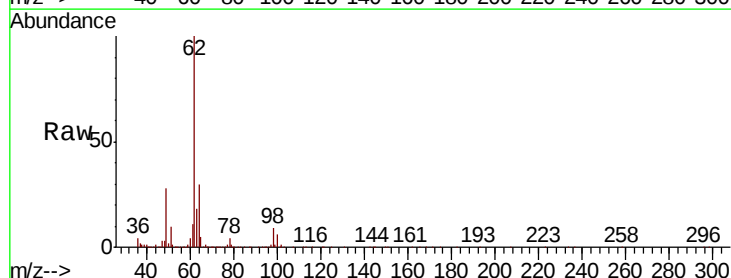
RT: 6.20 min Scan# 827

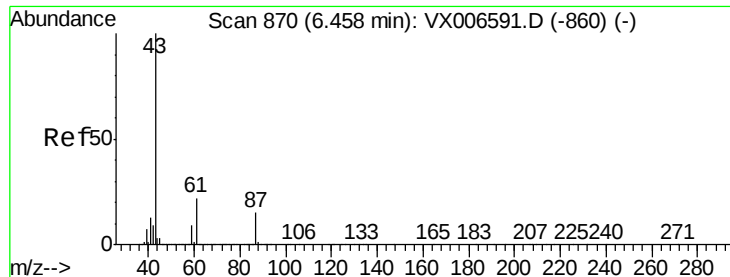
Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	62	Resp:	148490
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	20.2





#43

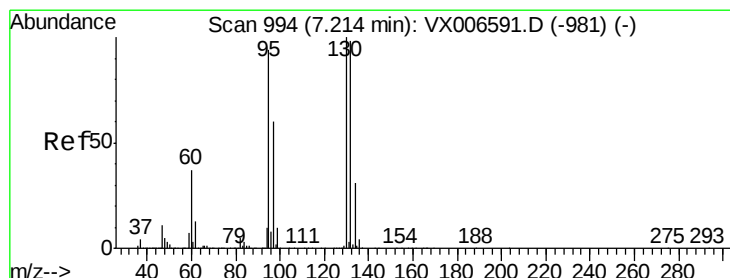
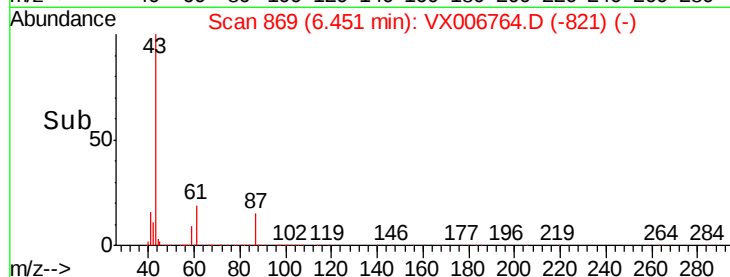
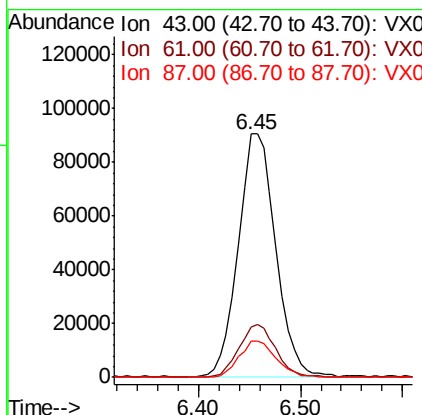
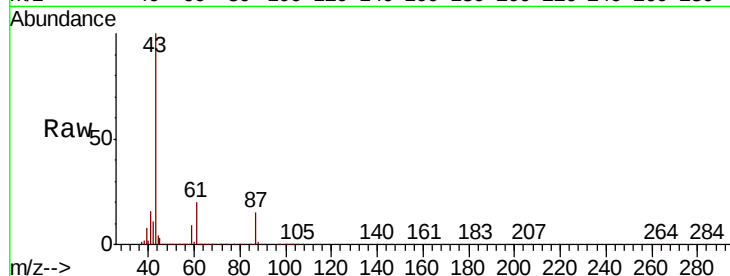
Isopropyl Acetate
 Concen: 19.882 ug/l
 RT: 6.45 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1222WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.8	25.2
87	14.7	12.4	18.6

Manual Integrations
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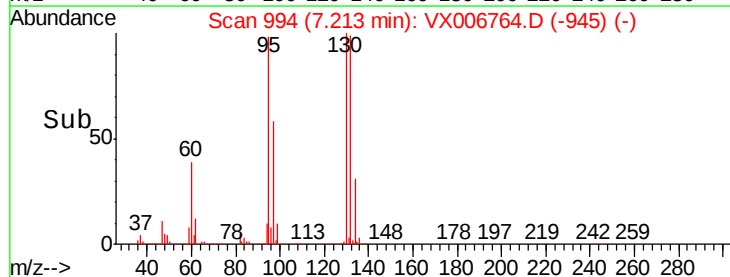
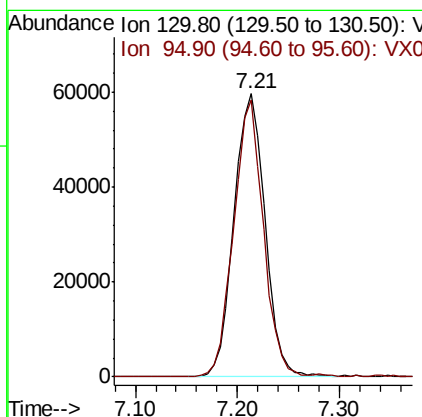
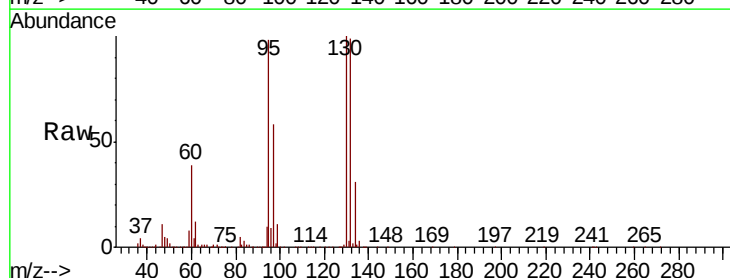
MMDadoda
 12/24/2018 11:47:35 AM



#44

Trichloroethene
 Concen: 18.756 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.720 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 63 Resp: 106613

Ion Ratio Lower Upper

63 100

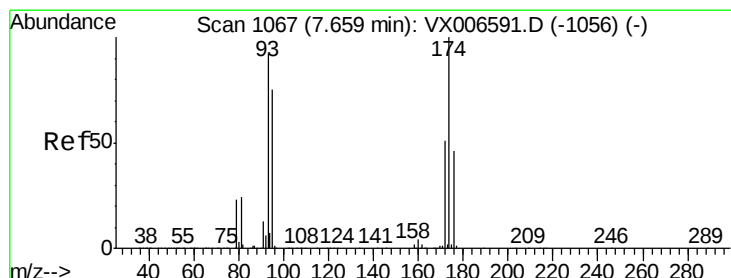
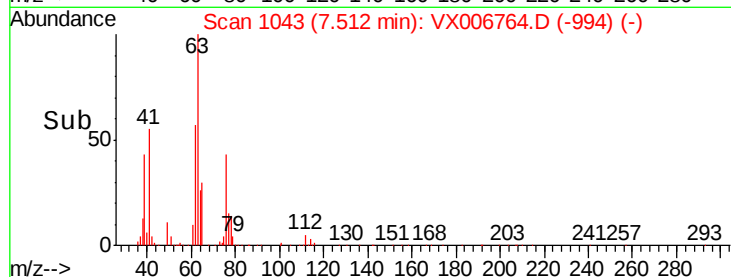
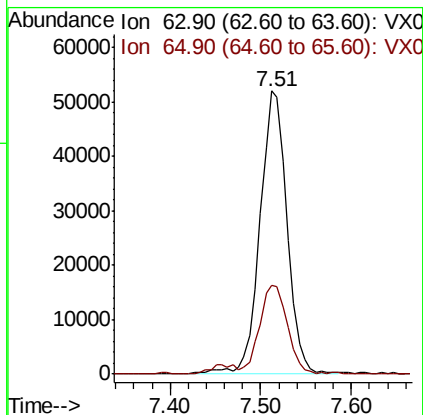
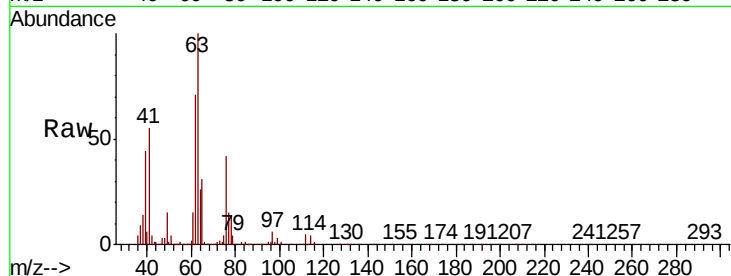
65 31.0 25.4 38.0

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#46

Dibromomethane

Concen: 19.358 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

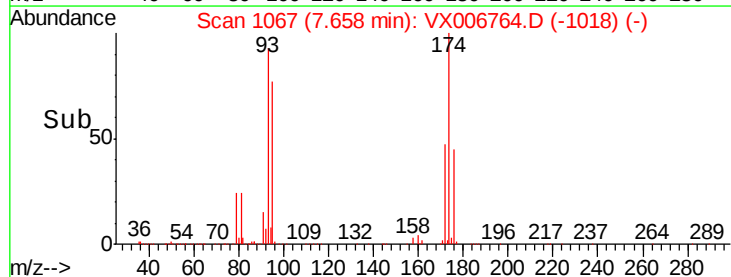
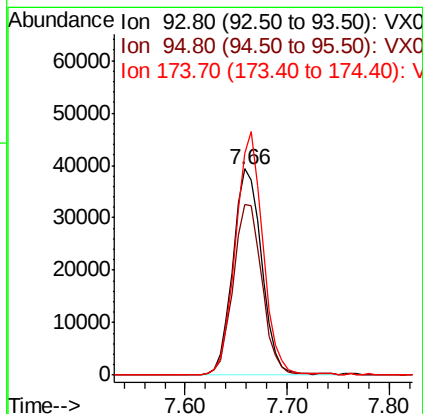
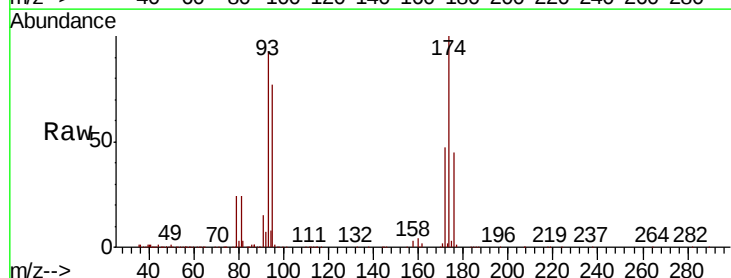
Tgt Ion: 93 Resp: 76981

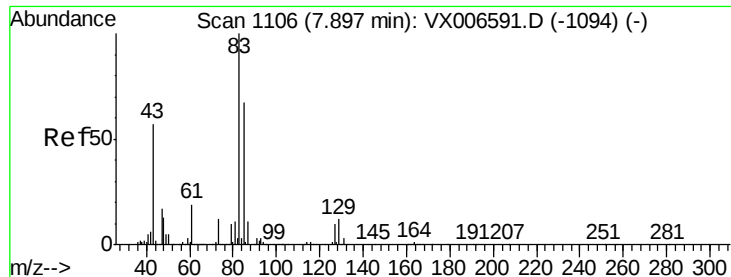
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 112.1 91.0 136.4





#47

Bromodichloromethane

Concen: 18.480 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

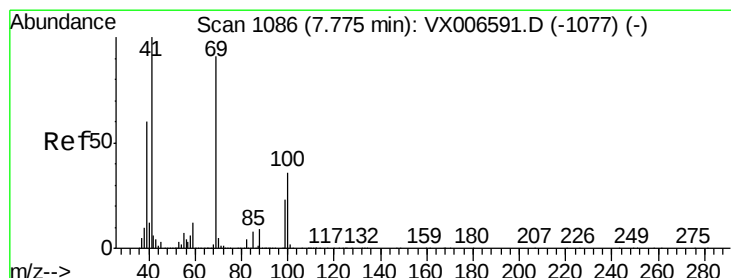
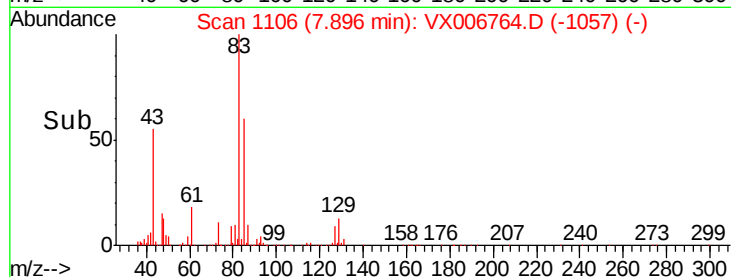
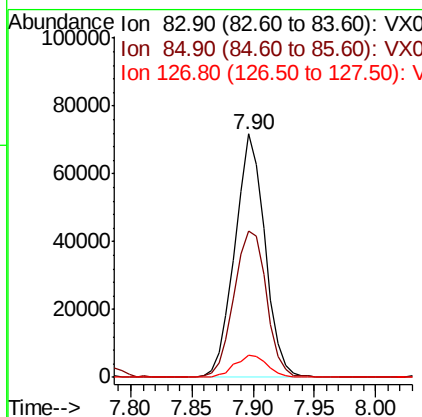
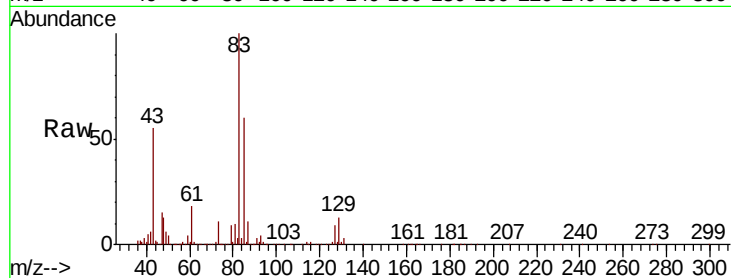
ClientSampleId :

VX1222WBS01

Tot Ion:	83	Resp:	122006
Ion Ratio	Lower	Upper	
83	100		
85	60.2	53.2	79.8
127	9.2	7.8	11.6

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#48

Methyl methacrylate

Concen: 20.498 ug/l

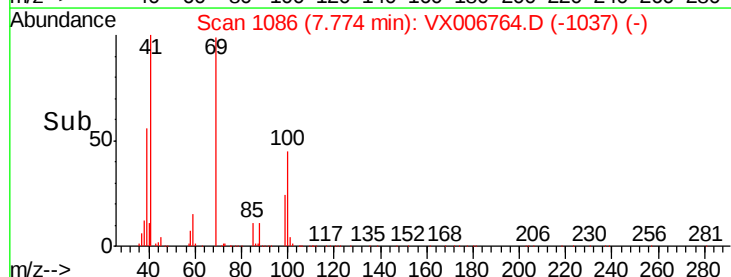
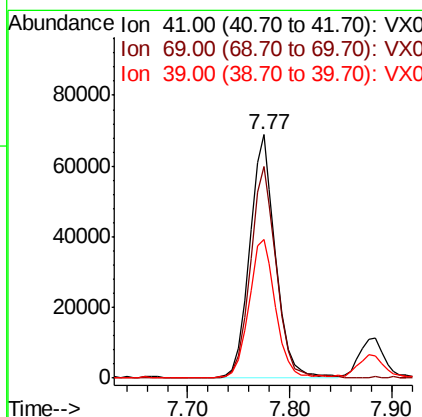
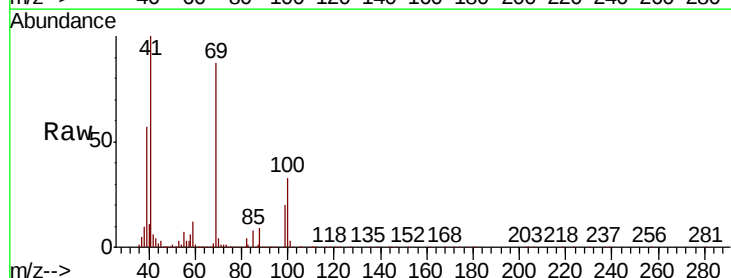
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	41	Resp:	120651
Ion Ratio	Lower	Upper	
41	100		
69	87.3	72.4	108.6
39	58.3	45.8	68.8





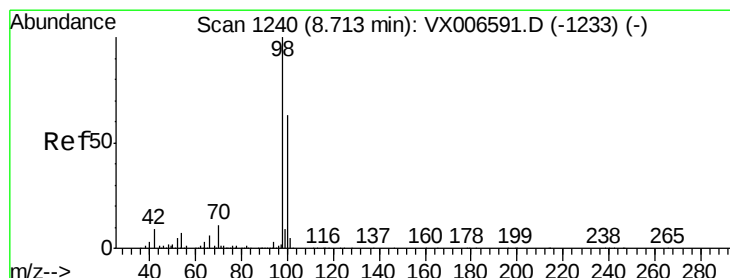
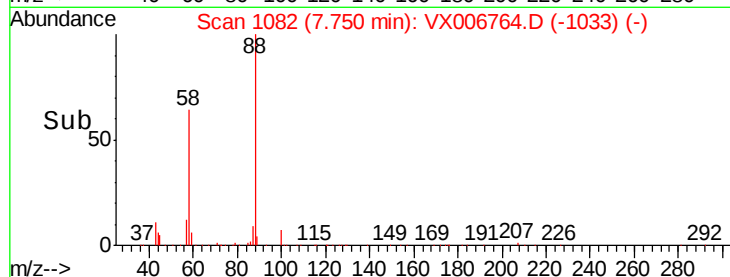
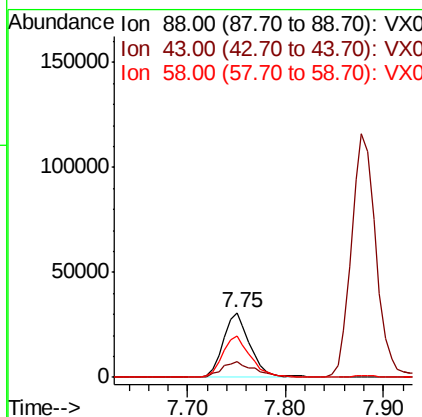
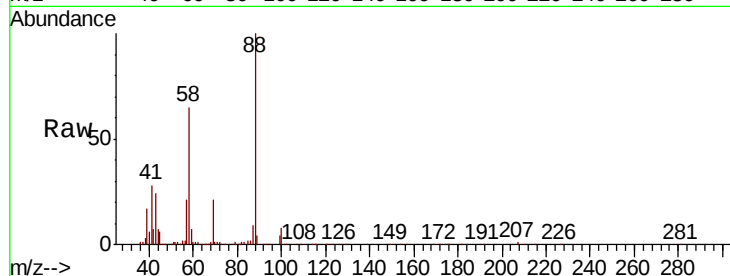
#49
1,4-Dioxane
Concen: 368.487 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.9	22.2	33.4
58	66.6	51.0	76.4

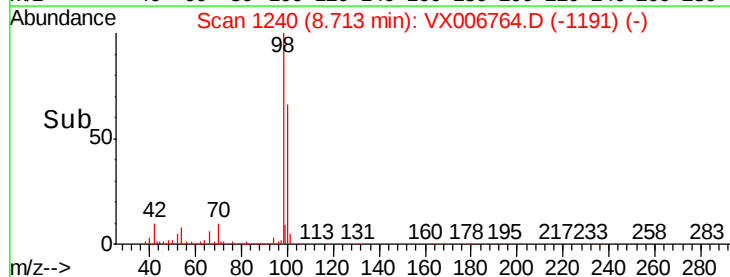
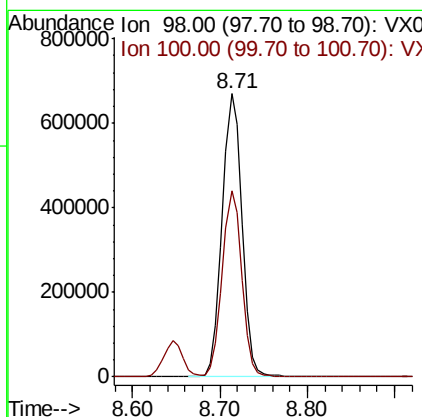
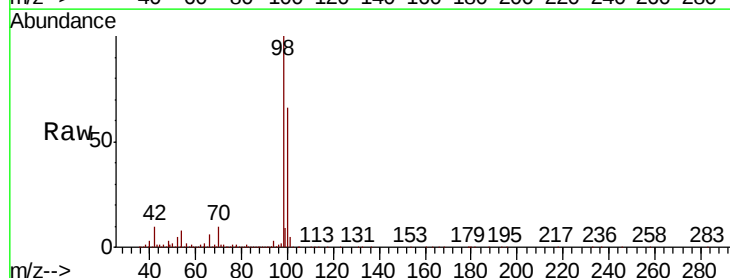
Manual Integrations
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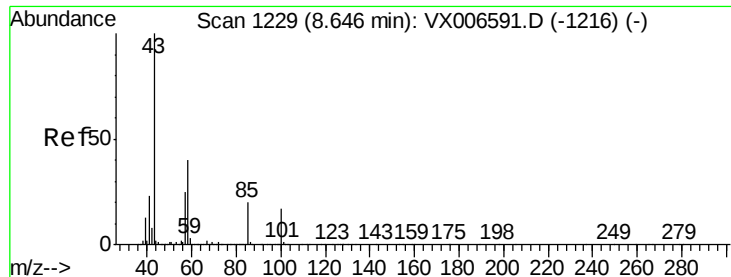
MMDadoda
12/24/2018 11:47:35 AM



#50
Toluene-d8
Concen: 49.988 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 102.716 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 43 Resp: 756468

Ion Ratio Lower Upper

43 100

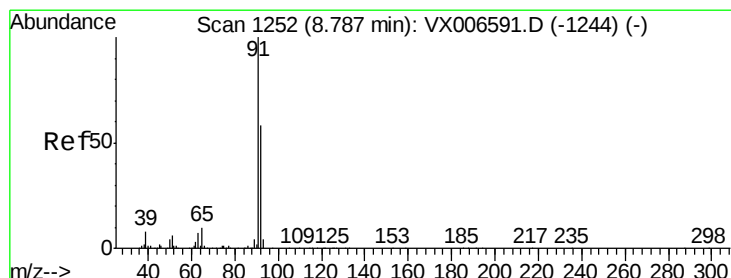
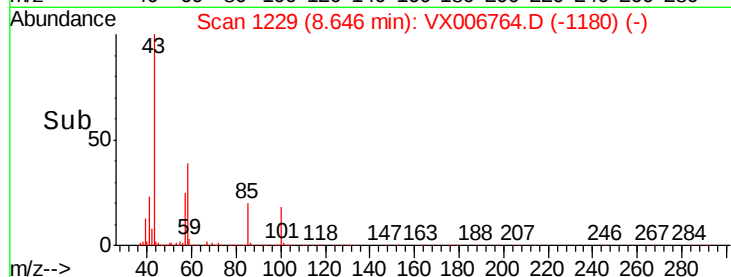
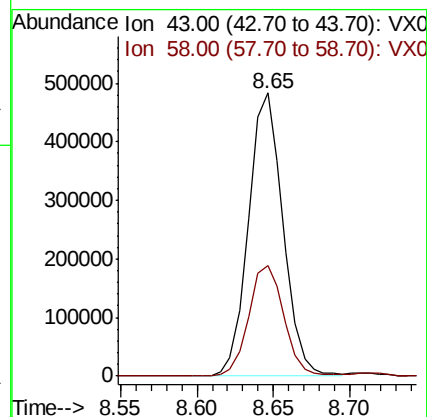
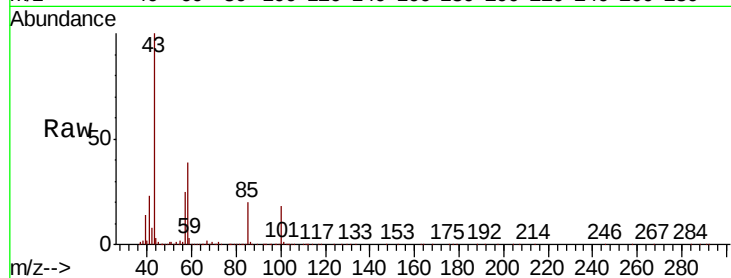
58 39.7 31.8 47.6

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#52

Toluene

Concen: 19.598 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006764.D

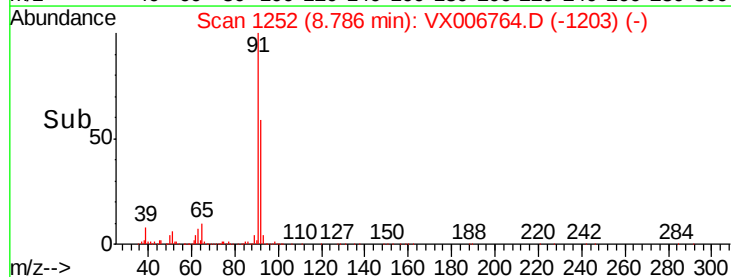
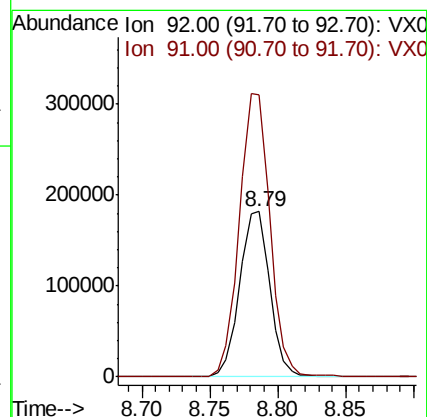
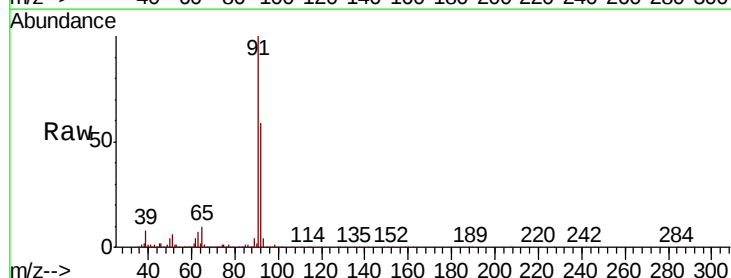
Acq: 22 Dec 2018 11:43

Tgt Ion: 92 Resp: 281283

Ion Ratio Lower Upper

92 100

91 174.8 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 17.639 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 75 Resp: 124897

Ion Ratio Lower Upper

75 100

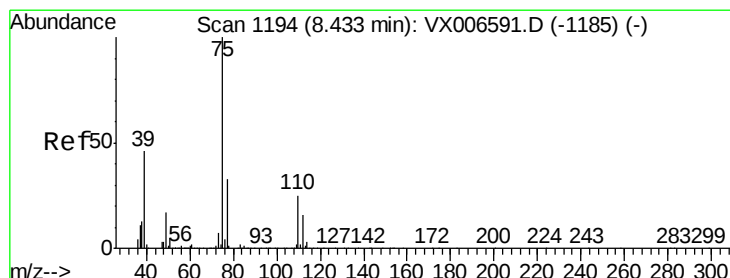
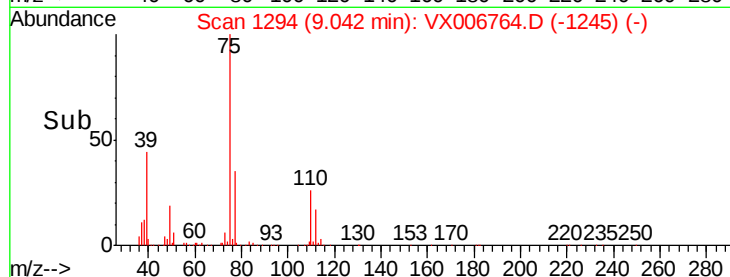
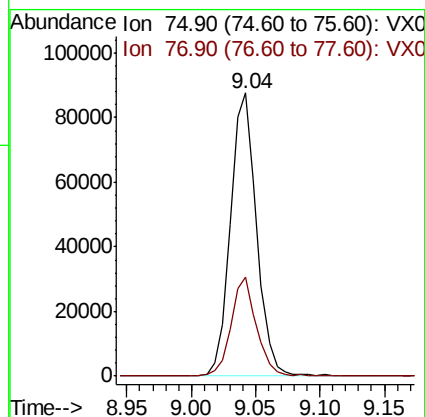
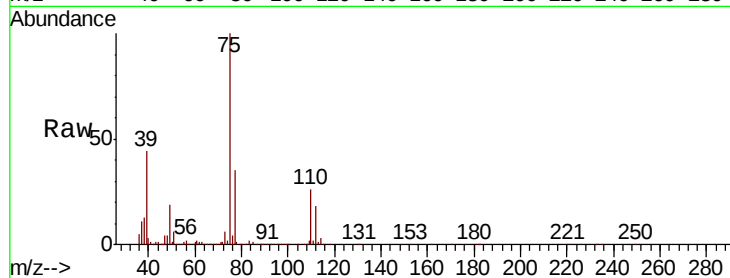
77 34.7 25.4 38.0

Manual Integrations

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MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 19.231 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

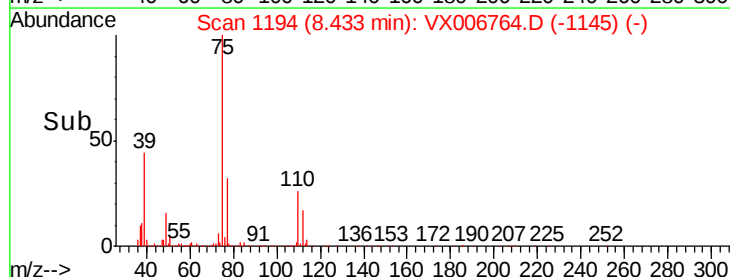
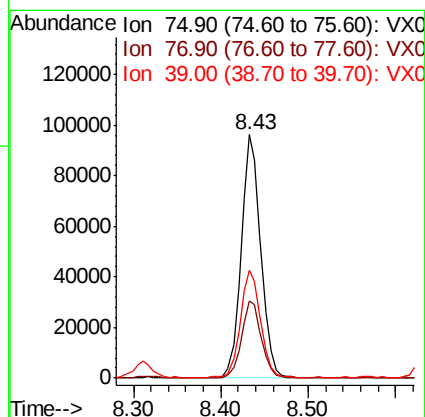
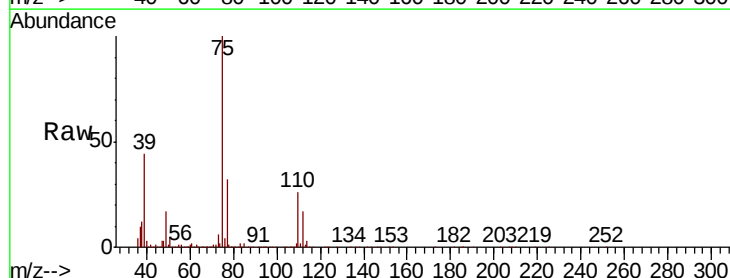
Tgt Ion: 75 Resp: 149413

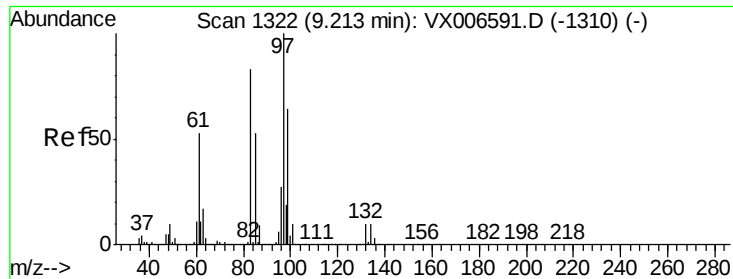
Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

39 44.2 36.7 55.1





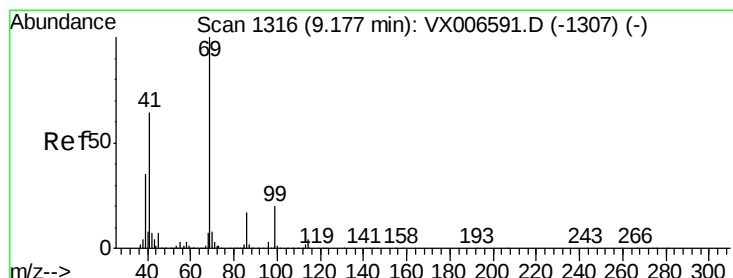
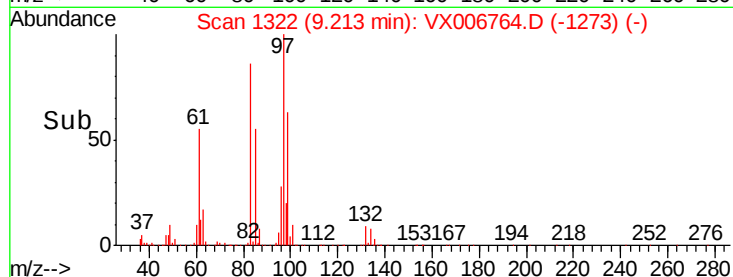
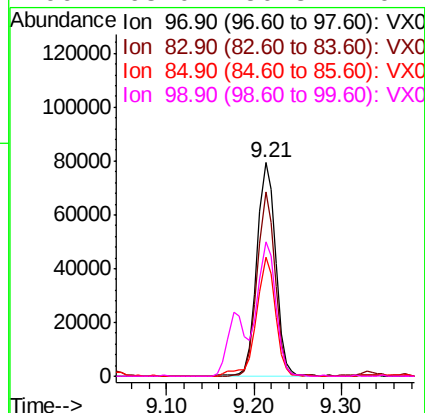
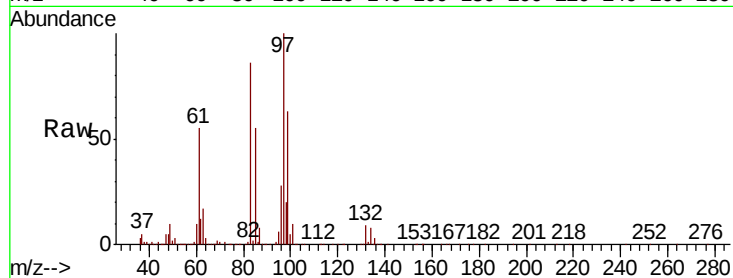
#55
1,1,2-Trichloroethane
Concen: 20.122 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		118216		
83	85.9	66.6	99.8		
85	55.5	42.7	64.1		
99	63.0	50.8	76.2		

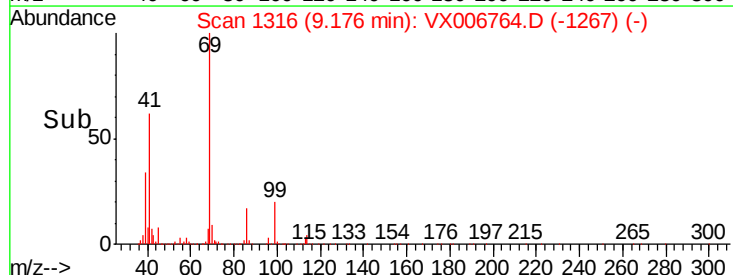
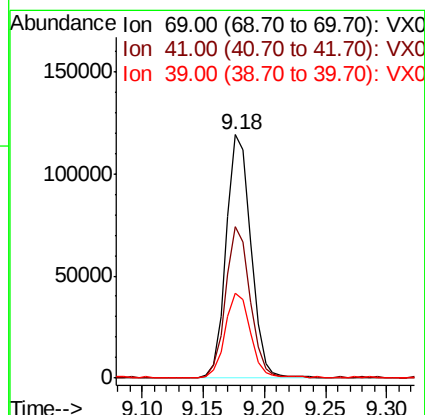
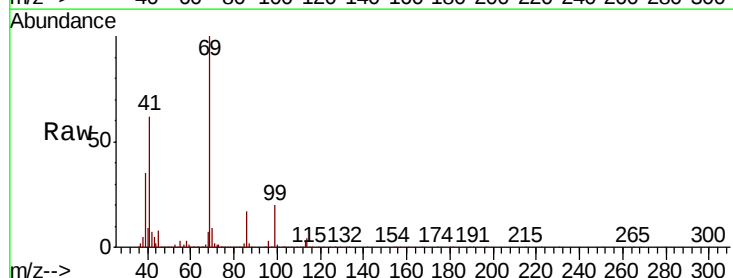
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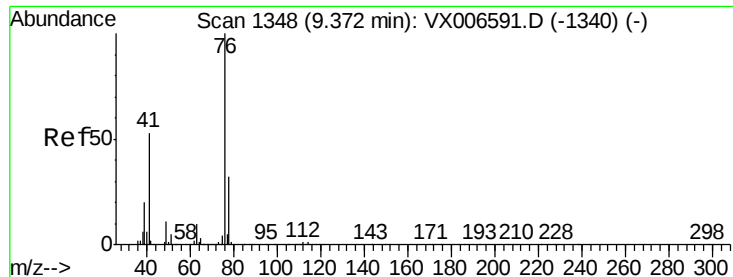
MMDadoda
12/24/2018 11:47:35 AM



#56
Ethyl methacrylate
Concen: 20.072 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		166669		
41	60.7	48.7	73.1		
39	35.5	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 19.665 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 76 Resp: 185876

Ion Ratio Lower Upper

76 100

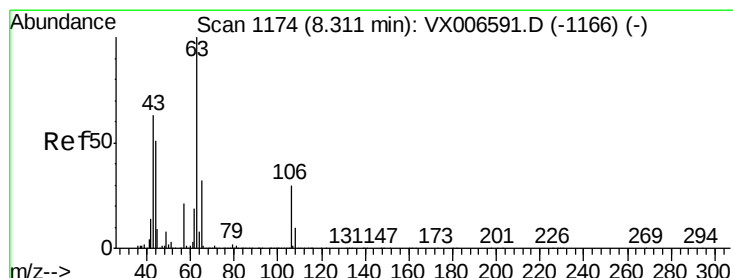
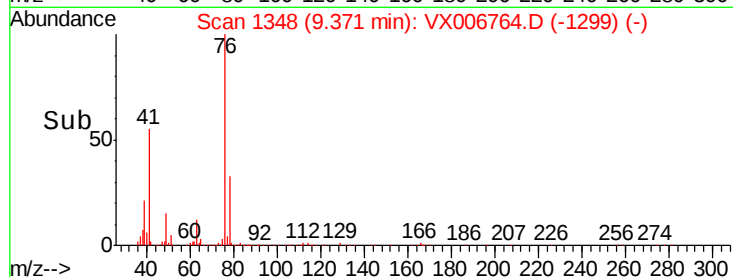
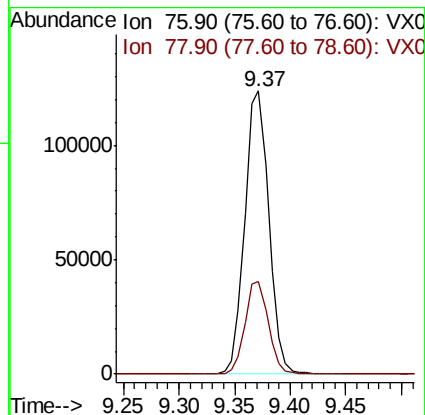
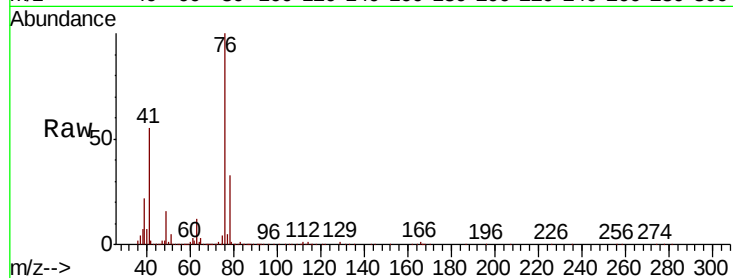
78 32.2 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 99.194 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006764.D

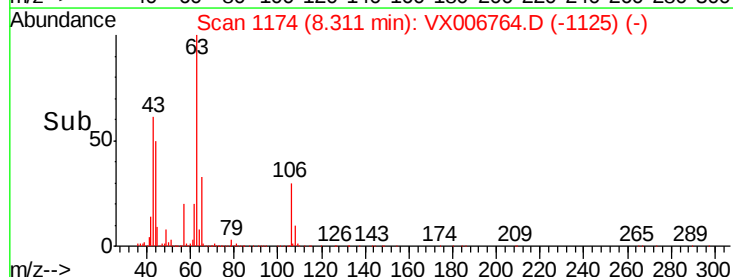
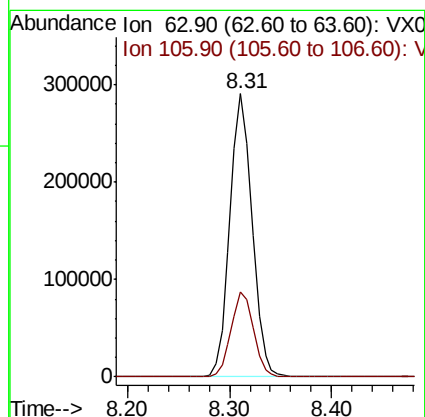
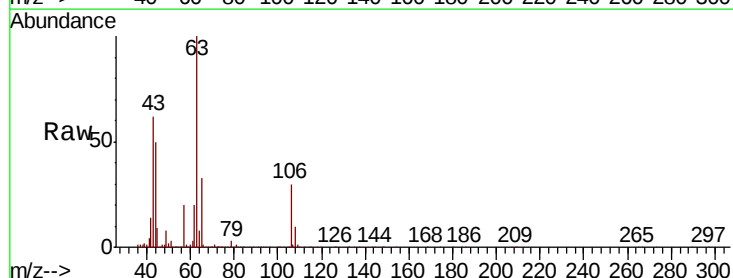
Acq: 22 Dec 2018 11:43

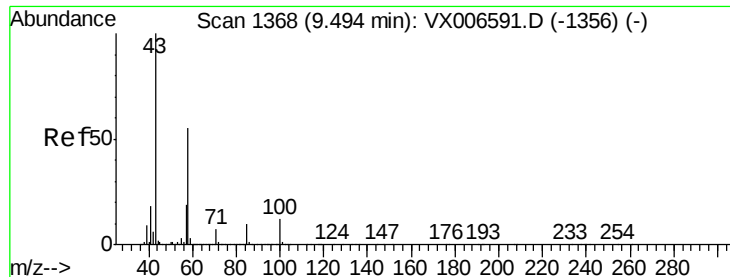
Tgt Ion: 63 Resp: 437826

Ion Ratio Lower Upper

63 100

106 30.4 24.6 36.8





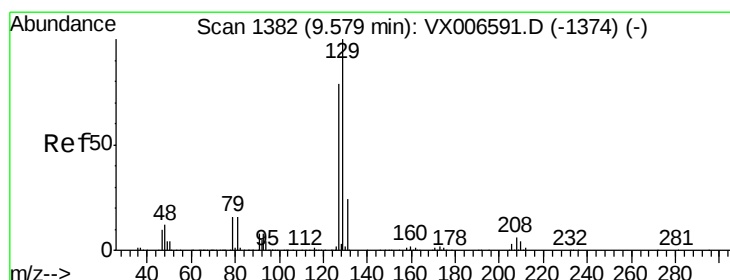
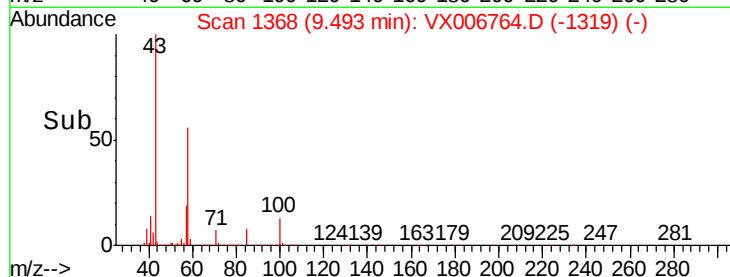
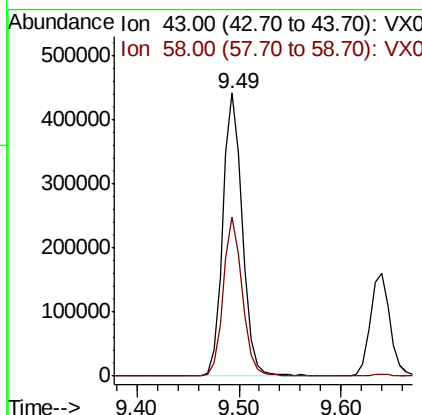
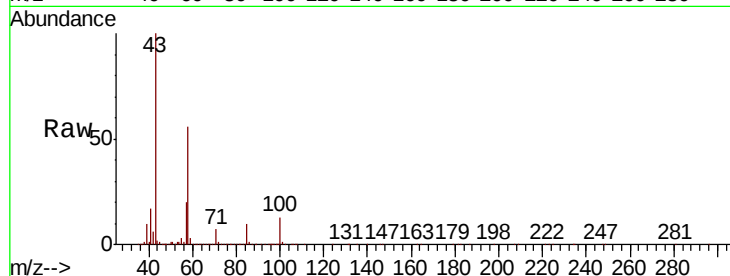
#59
2-Hexanone
Concen: 104.420 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion: 43 Resp: 588391
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1

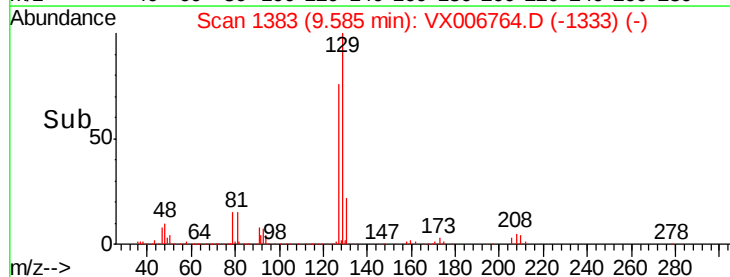
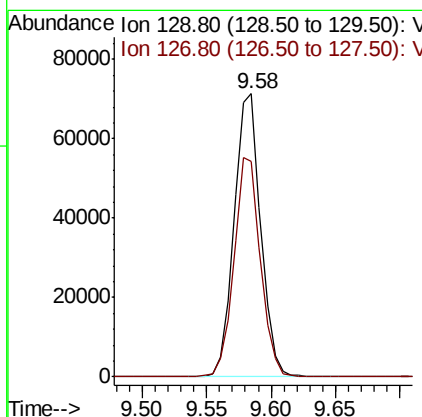
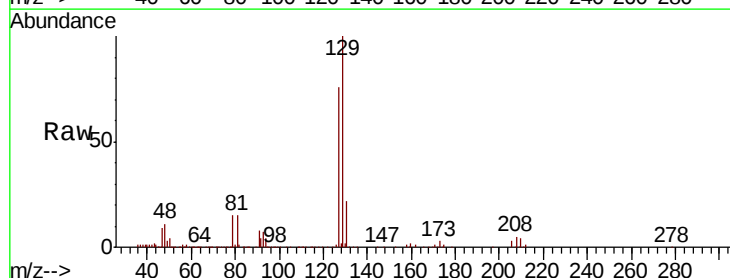
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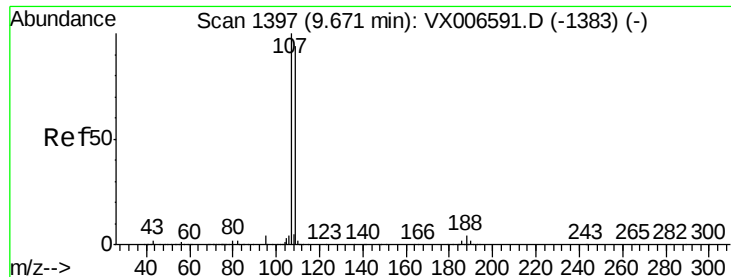
MMDadoda
12/24/2018 11:47:35 AM



#60
Dibromochloromethane
Concen: 18.240 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion: 129 Resp: 102562
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 19.692 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 107 Resp: 122978

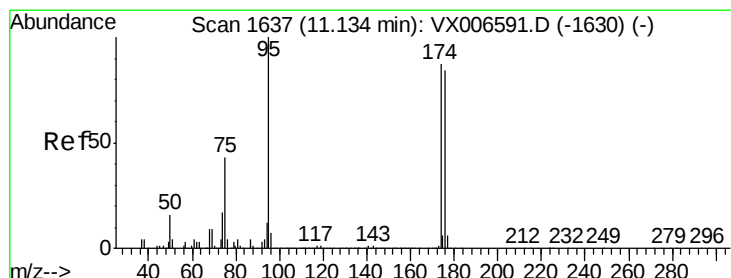
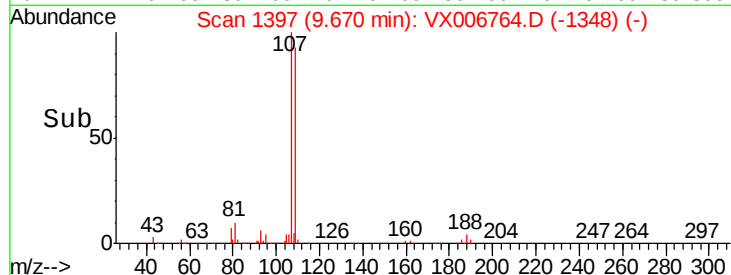
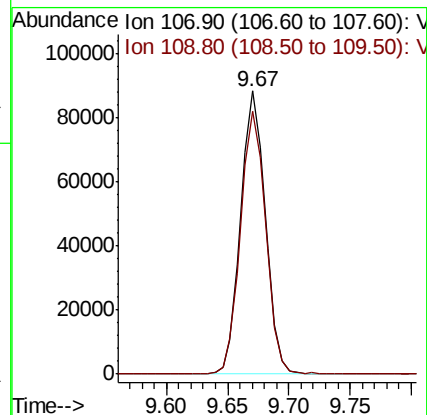
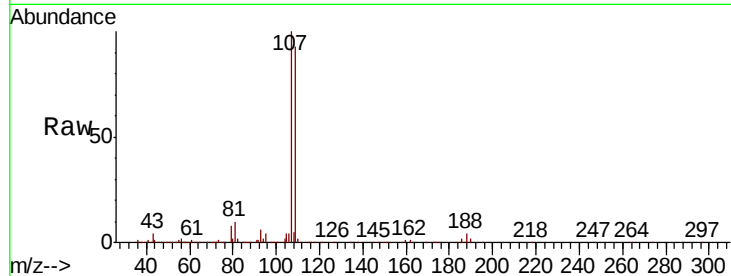
Ion Ratio Lower Upper

107 100

109 95.3 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 48.976 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

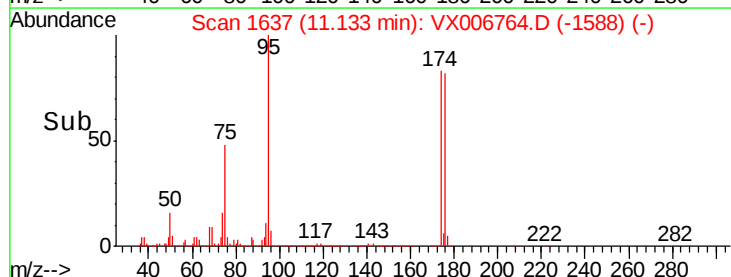
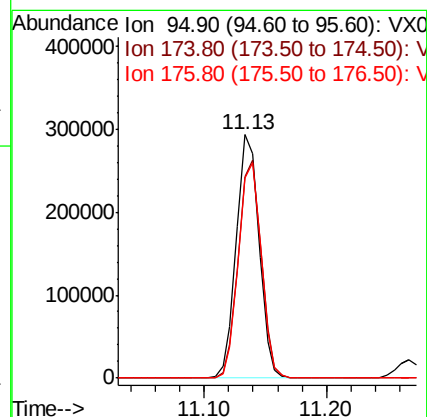
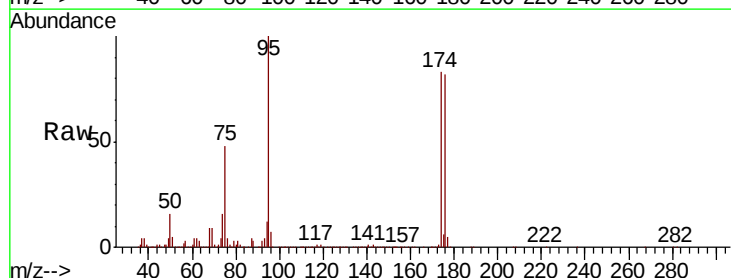
Tgt Ion: 95 Resp: 377377

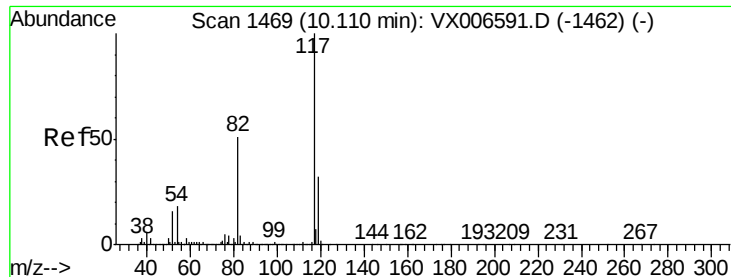
Ion Ratio Lower Upper

95 100

174 90.0 0.0 182.2

176 88.6 0.0 178.8





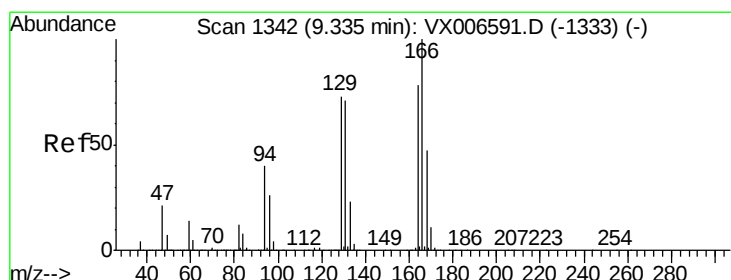
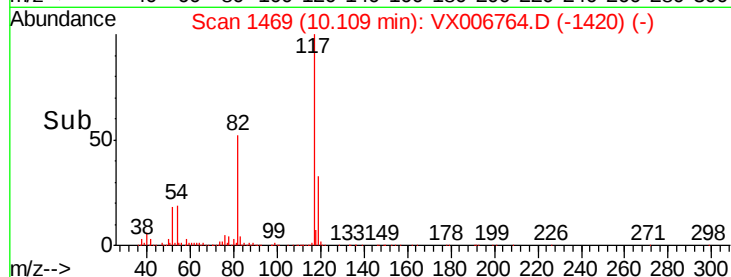
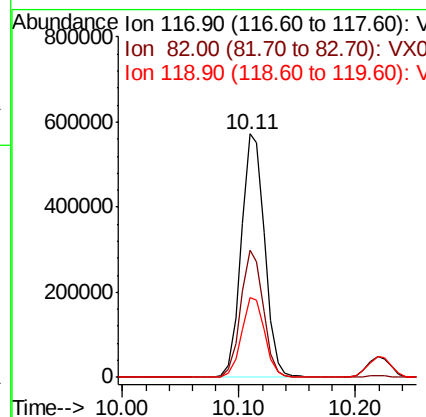
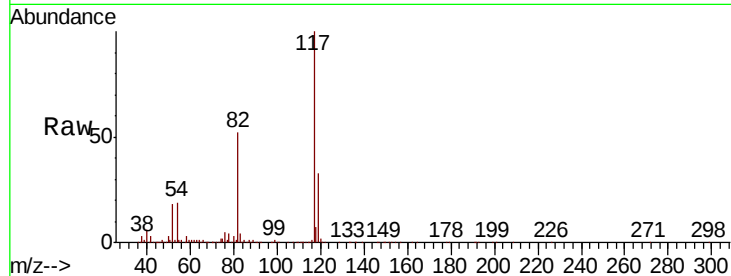
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	800107		
82	52.1		41.0	61.6
119	32.6		25.4	38.0

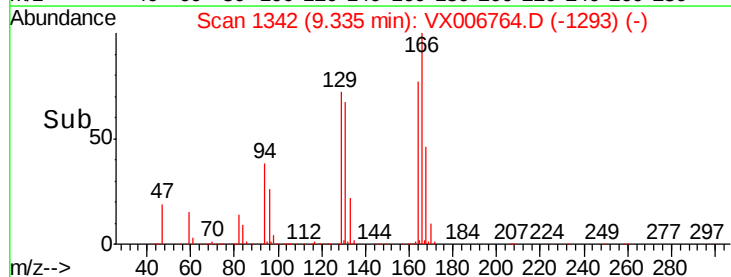
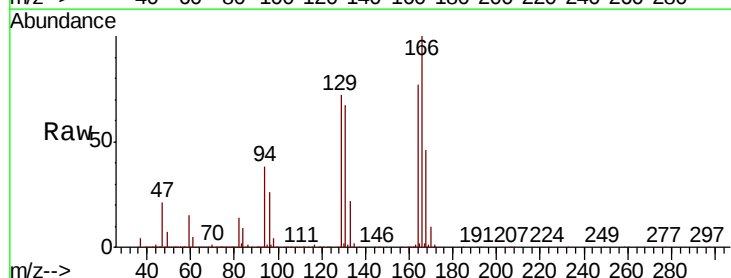
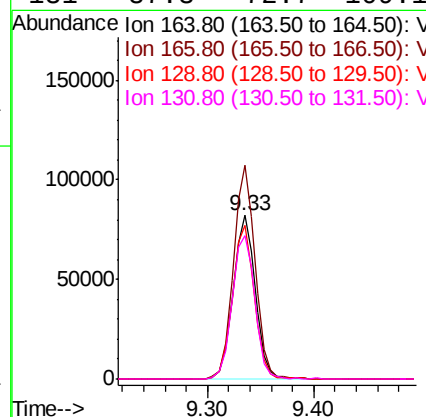
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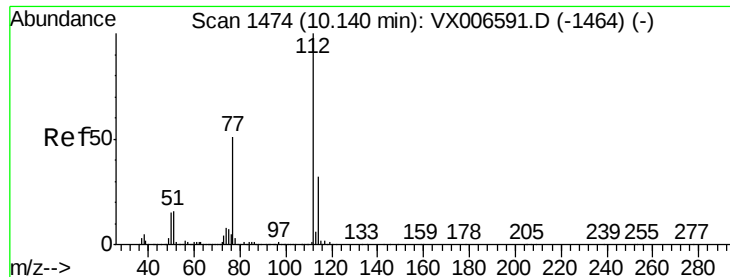
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#64
Tetrachloroethene
Concen: 18.860 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119491		
166	130.6		102.5	153.7
129	93.9		75.1	112.7
131	87.3		72.7	109.1





#65

Chlorobenzene

Concen: 19.577 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion:112 Resp: 331381

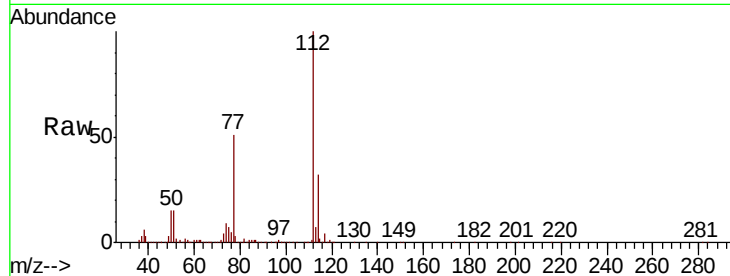
Ion Ratio Lower Upper

112 100

114 31.9 25.7 38.5

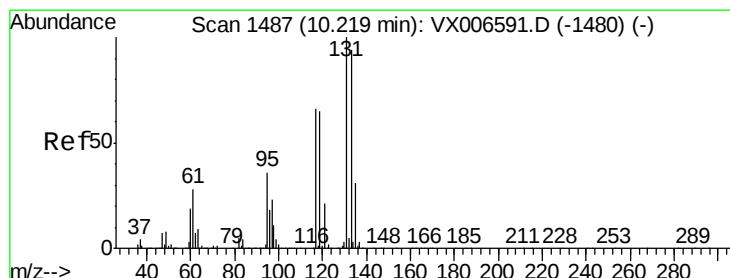
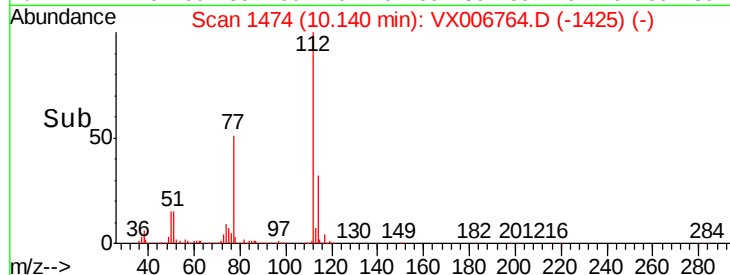
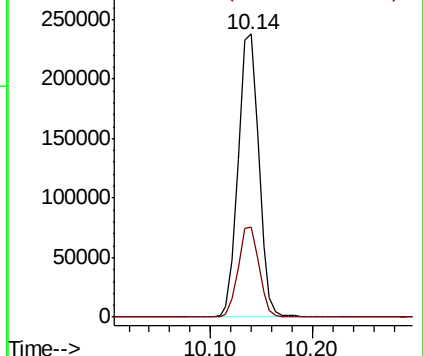
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.160 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

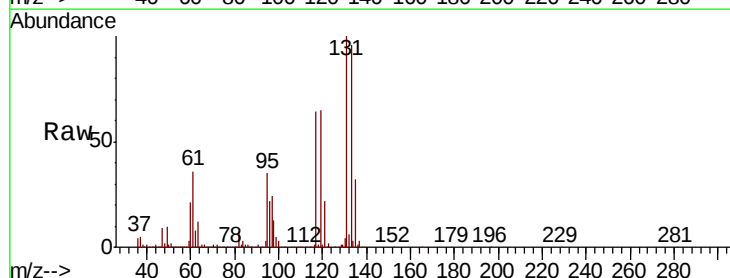
Tgt Ion:131 Resp: 106467

Ion Ratio Lower Upper

131 100

133 94.0 48.0 144.2

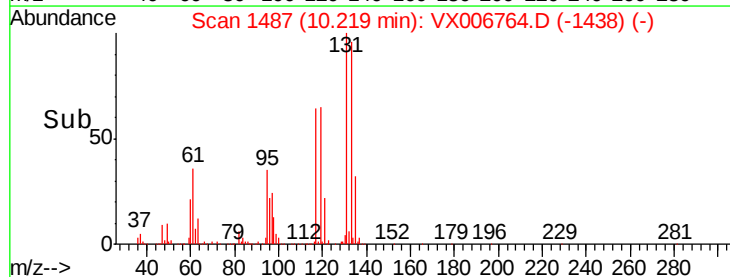
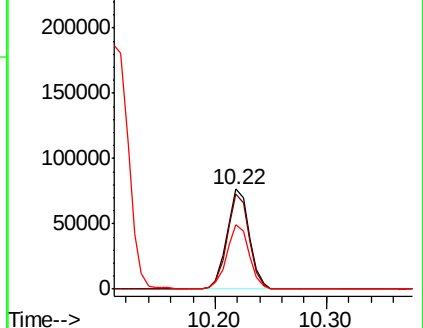
119 63.9 32.6 97.8

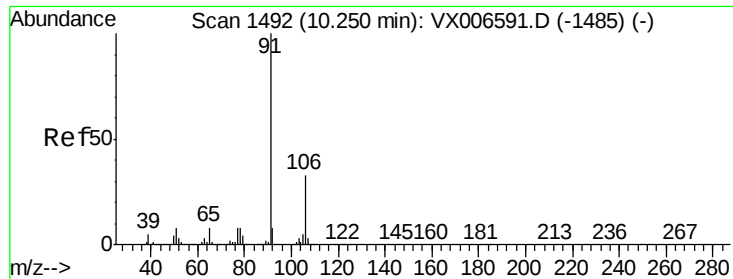


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.510 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 91 Resp: 539656

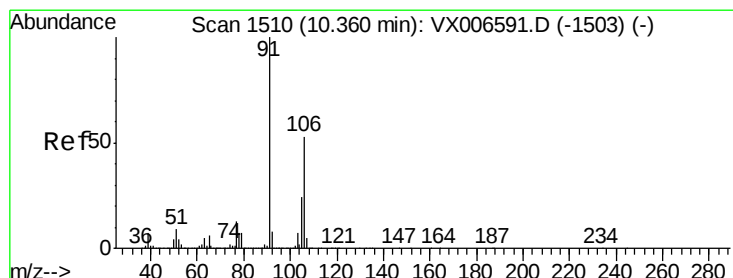
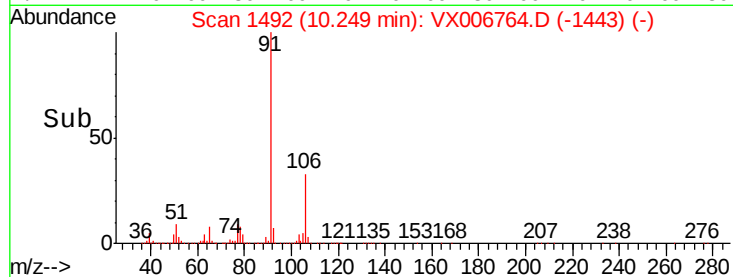
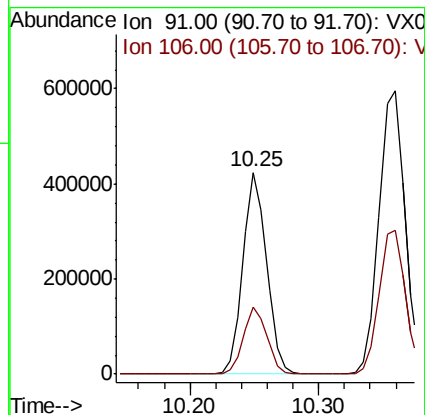
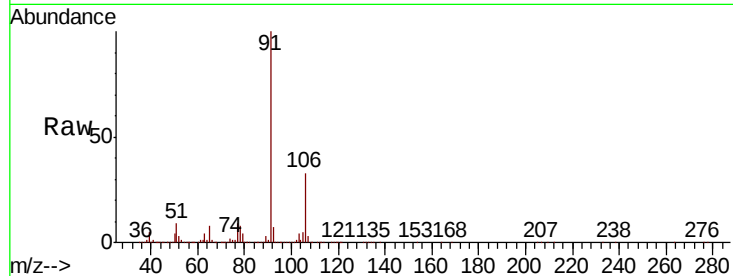
Ion Ratio Lower Upper

91 100

106 33.3 26.4 39.6

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.861 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006764.D

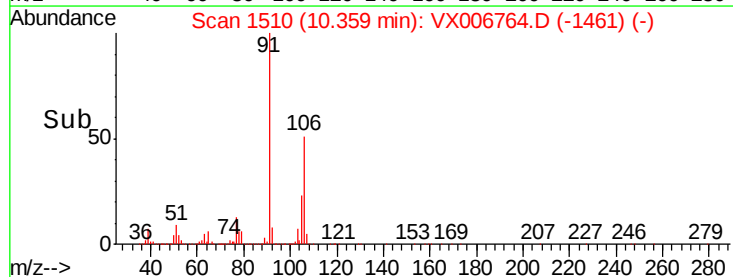
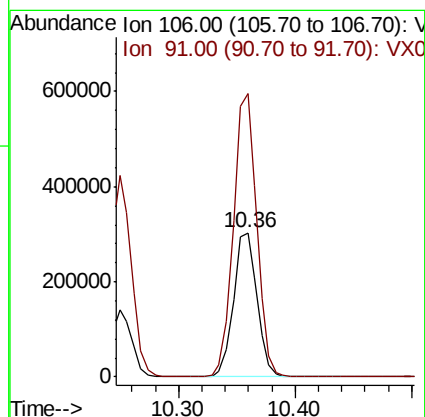
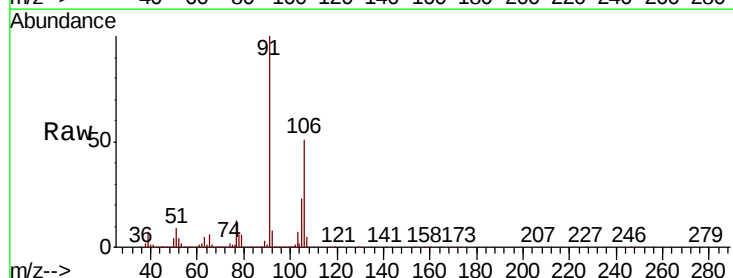
Acq: 22 Dec 2018 11:43

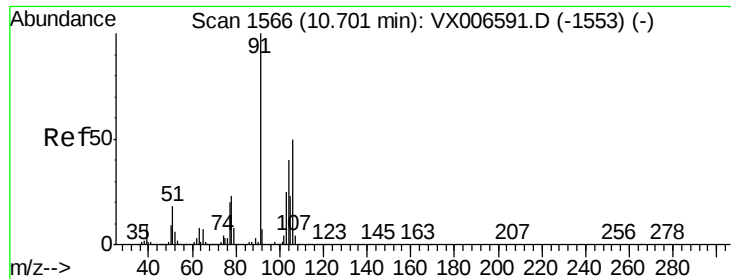
Tgt Ion: 106 Resp: 424150

Ion Ratio Lower Upper

106 100

91 195.6 155.8 233.6





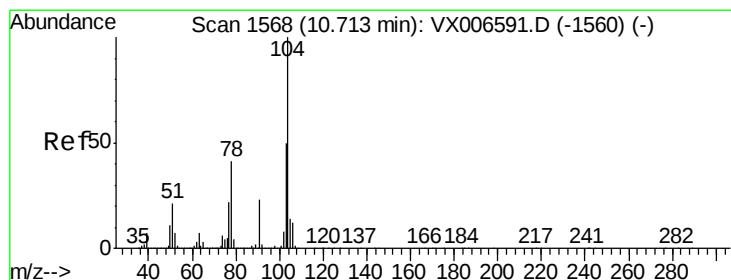
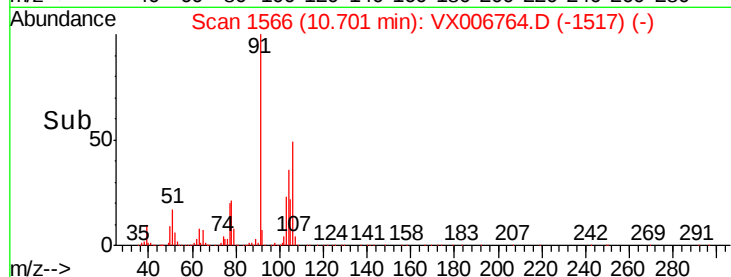
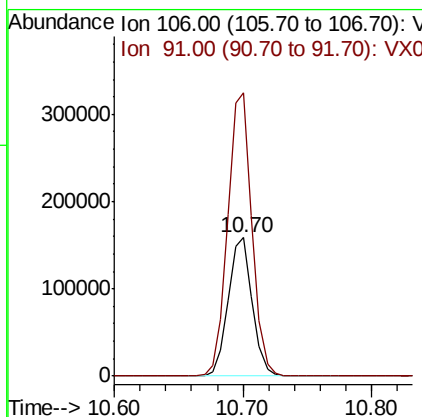
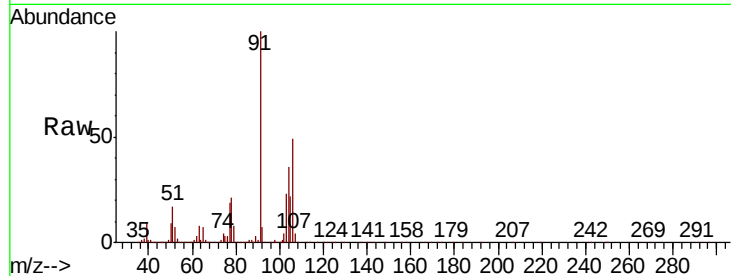
#69
o-Xylene
Concen: 19.305 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.9	101.3	303.7

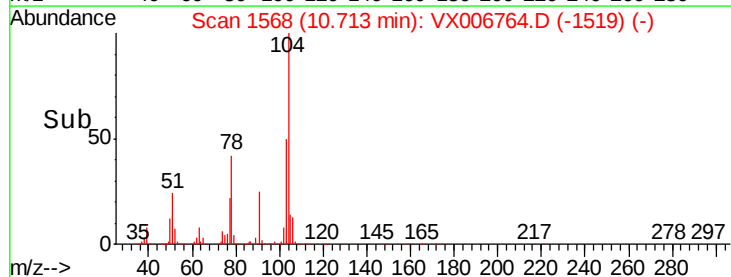
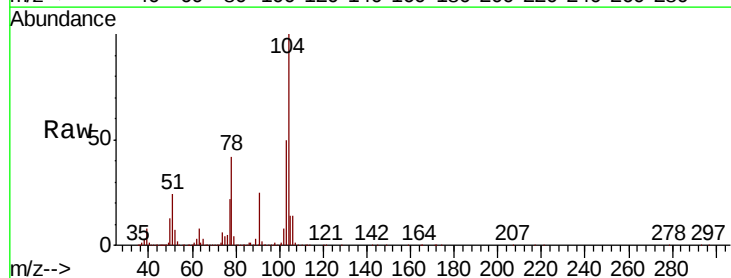
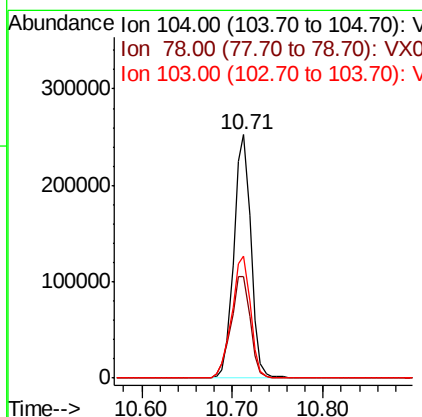
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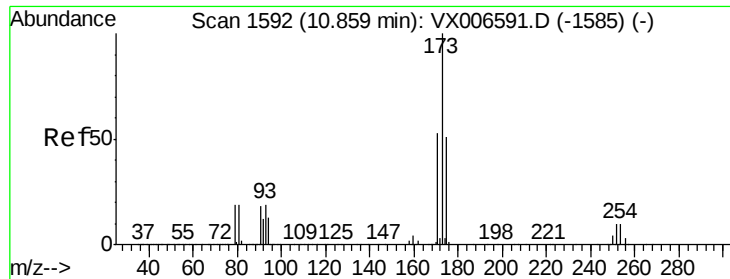
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#70
Styrene
Concen: 19.366 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.7	56.5
103	55.3	43.8	65.8





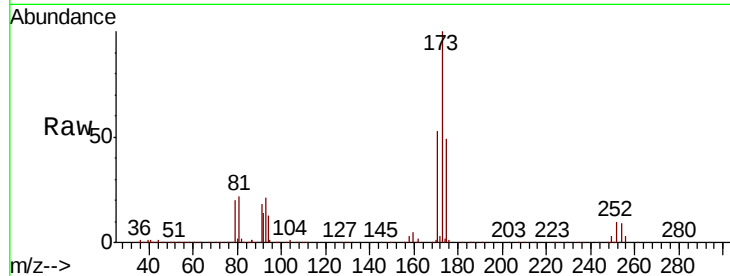
#71
Bromoform
Concen: 17.936 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

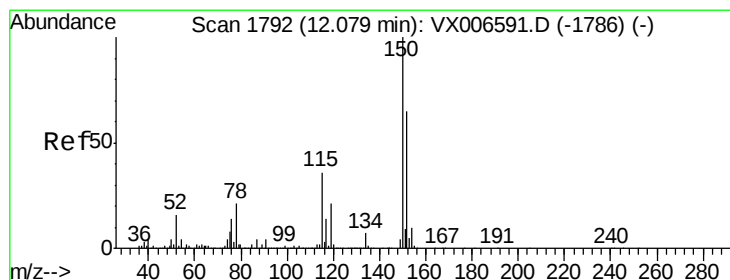
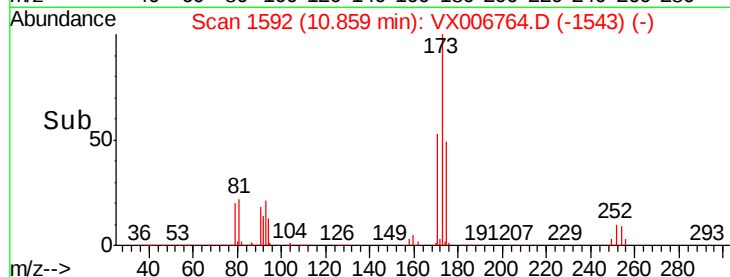
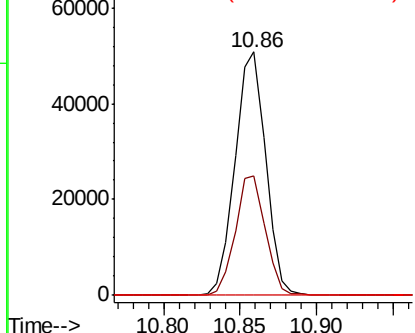
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.7	74.1
254	0.1	0.2	0.2#

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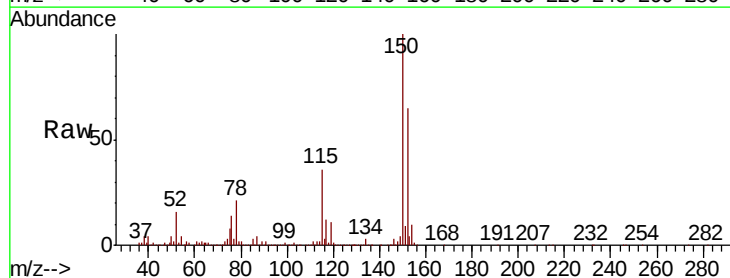


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

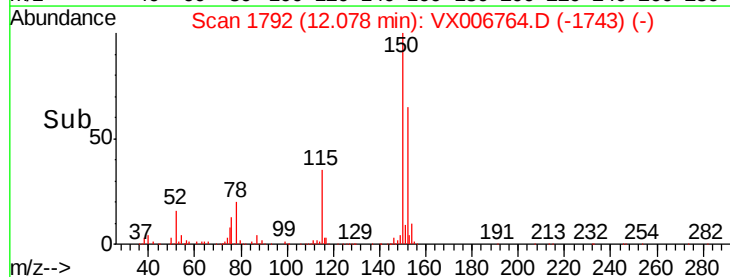
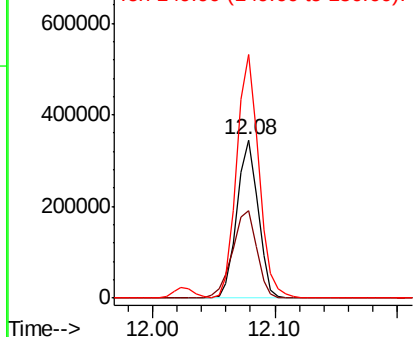


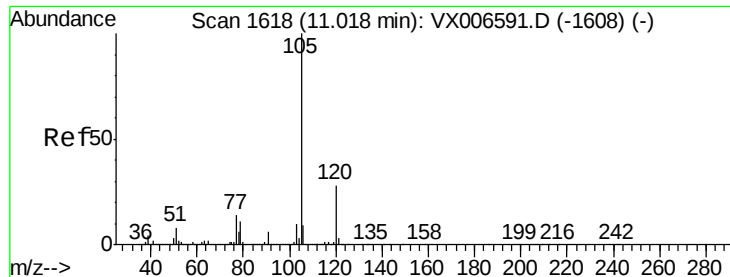
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	39.1	117.2
150	161.3	0.0	344.8



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: 20.027 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 105 Resp: 561089

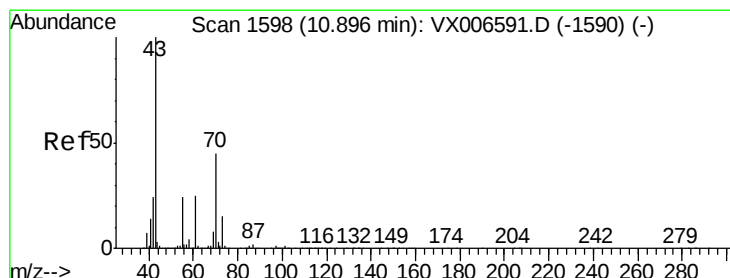
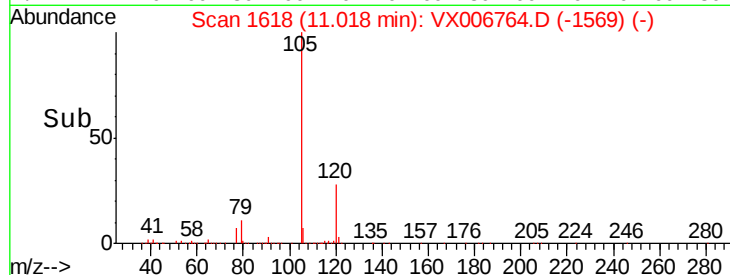
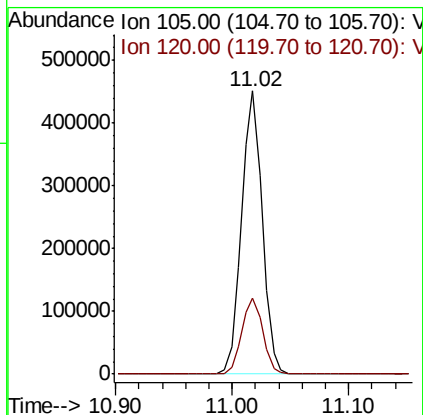
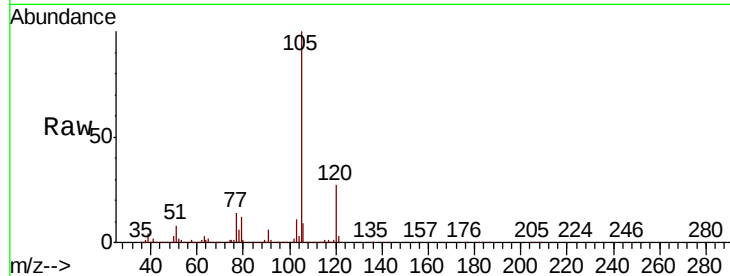
Ion Ratio Lower Upper

105 100

120 27.5 14.1 42.4

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#74

N-ethyl acetate

Concen: 20.092 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion: 43 Resp: 201484

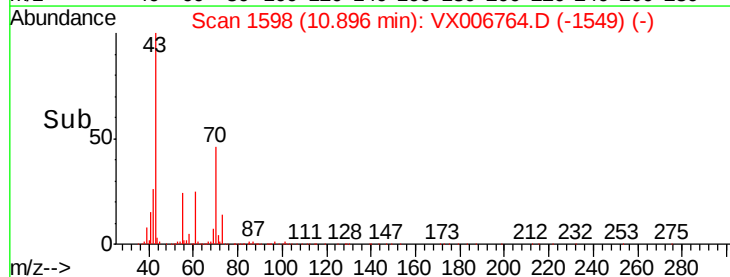
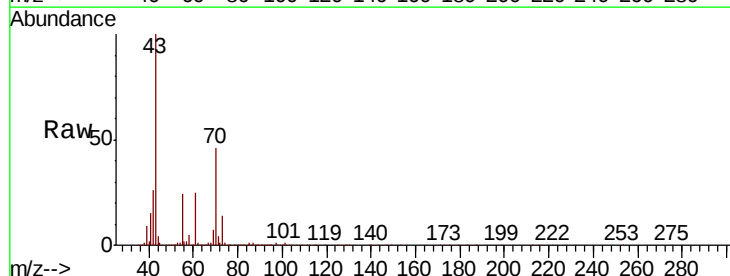
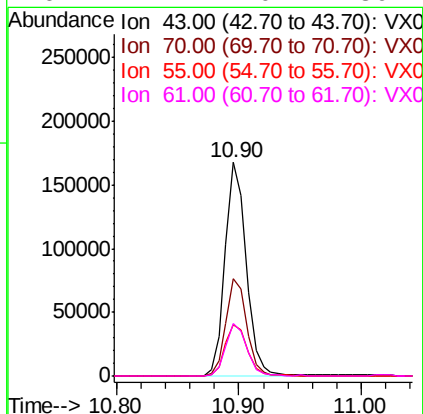
Ion Ratio Lower Upper

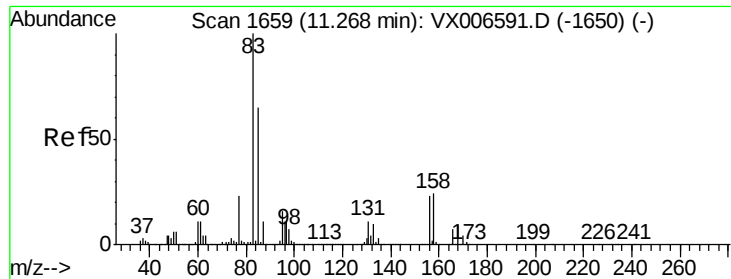
43 100

70 45.2 35.8 53.8

55 25.7 19.4 29.0

61 24.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.955 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

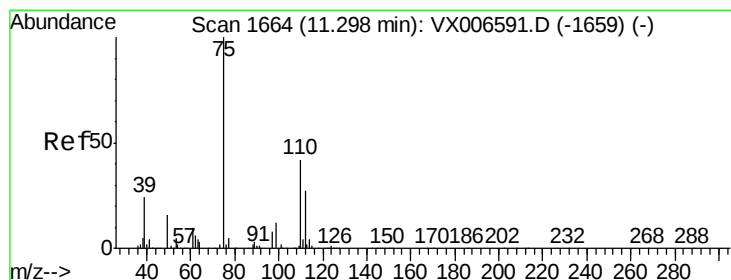
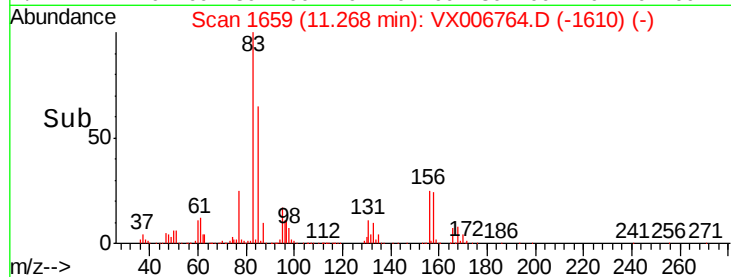
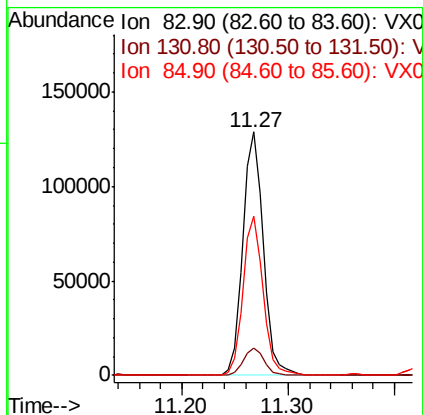
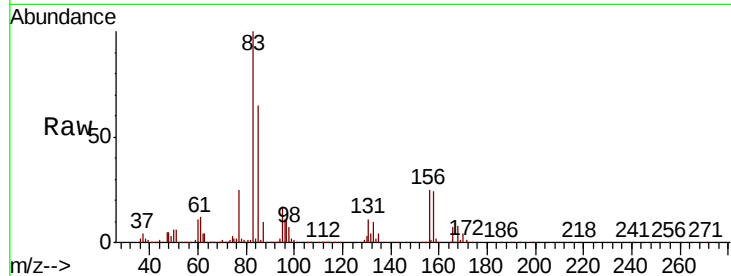
ClientSampleId :

VX1222WBS01

Tot Ion:	83	Resp:	174597
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.7	17.1
85	64.2	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 20.645 ug/l m

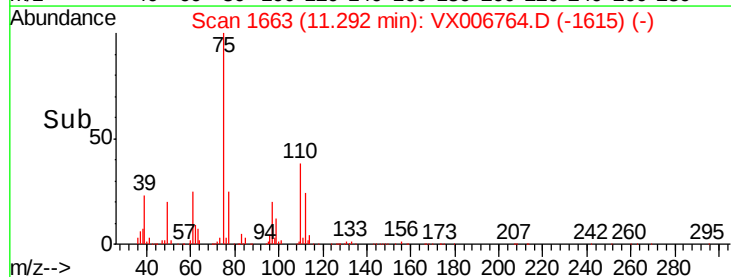
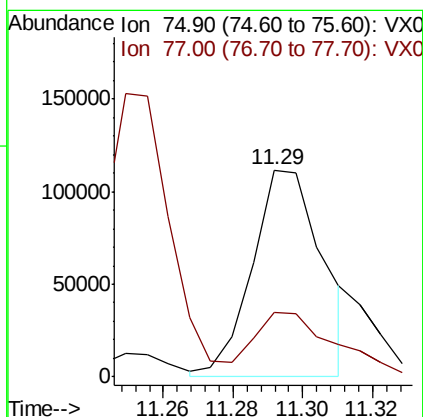
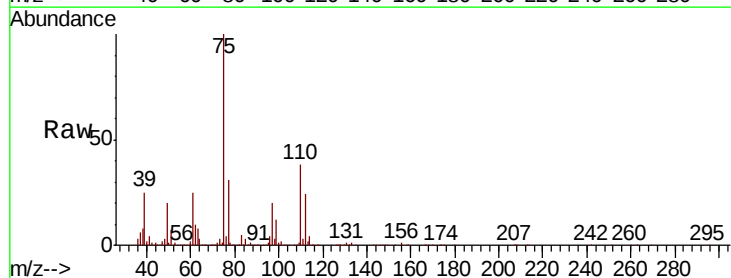
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	75	Resp:	157120
Ion Ratio	Lower	Upper	
75	100		
77	35.8	18.5	55.5





#77

Bromobenzene

Concen: 19.756 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

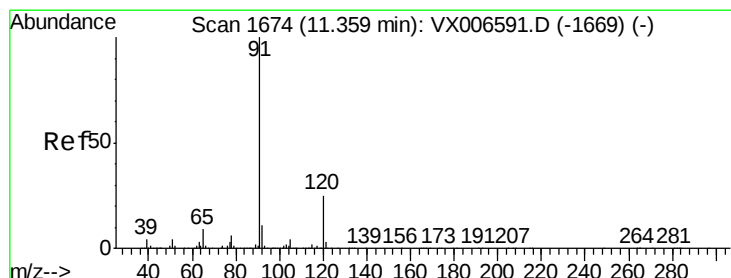
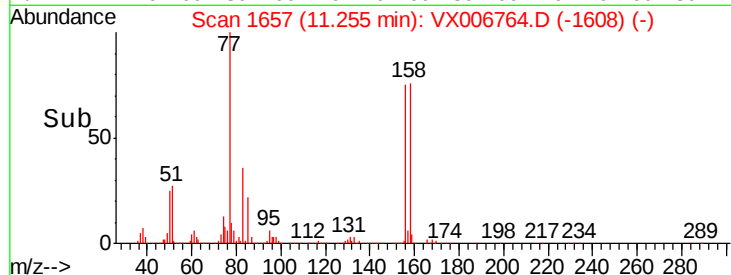
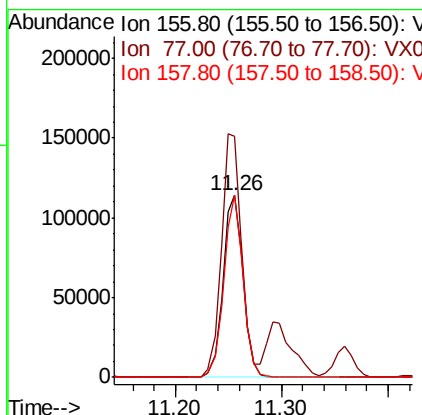
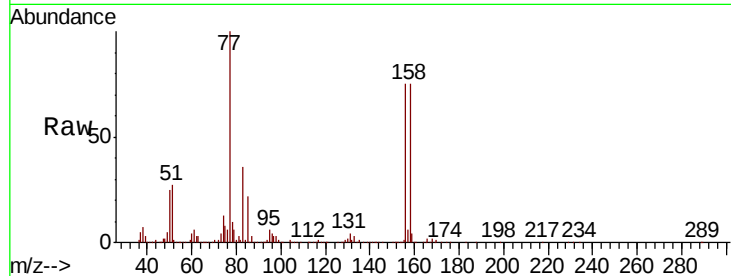
ClientSampleId :

VX1222WBS01

Tot Ion:	156	Resp:	149637
Ion Ratio	Lower	Upper	
156	100		
77	135.3	68.0	204.0
158	96.1	48.3	144.8

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#78

n-propylbenzene

Concen: 20.100 ug/l

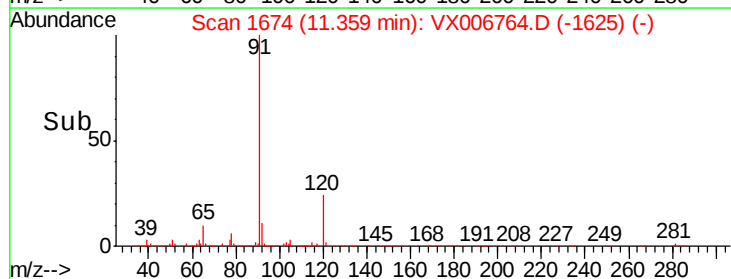
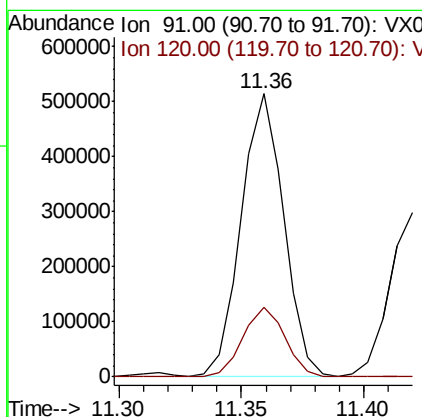
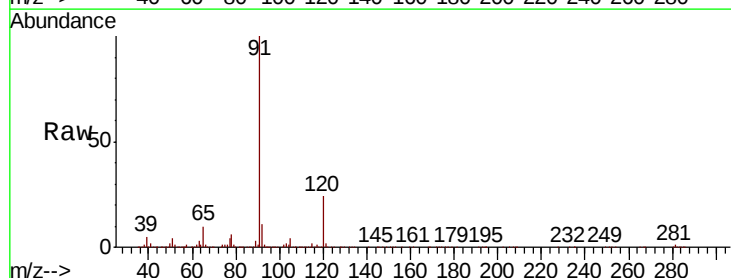
RT: 11.36 min Scan# 1674

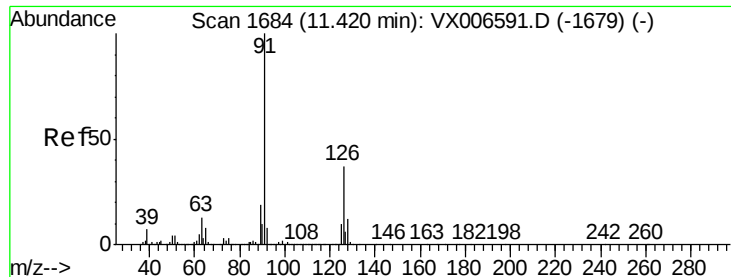
Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	91	Resp:	620106
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.703 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion: 91 Resp: 368375

Ion Ratio Lower Upper

91 100

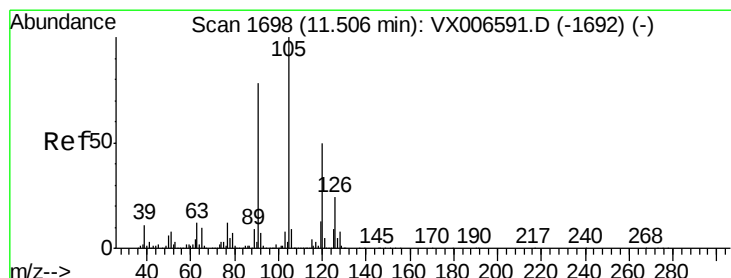
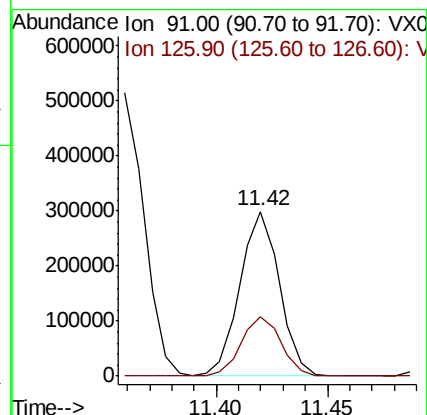
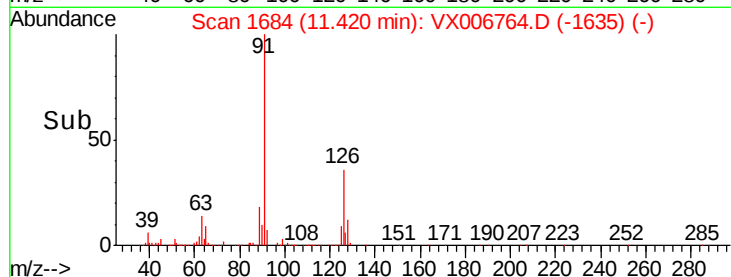
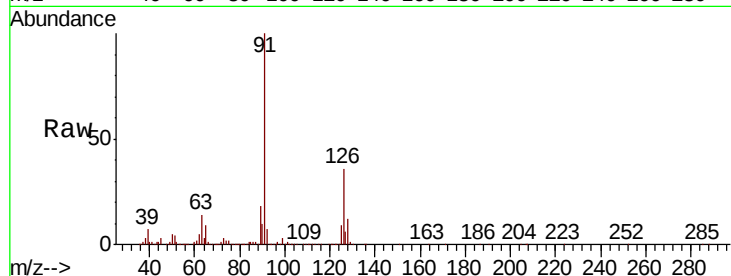
126 36.8 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.763 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006764.D

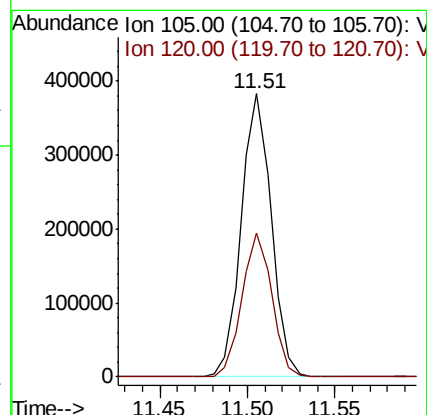
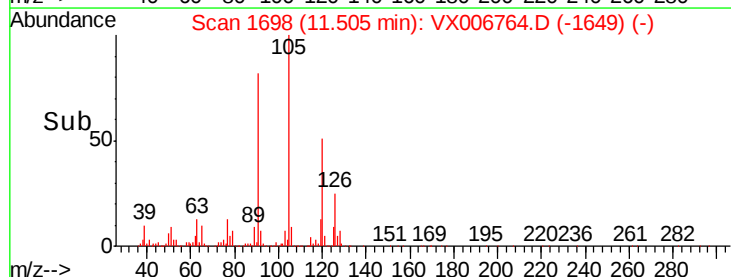
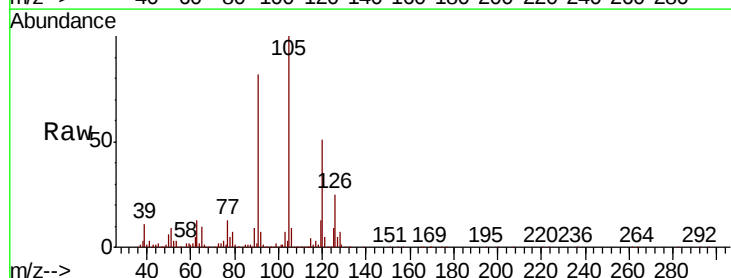
Acq: 22 Dec 2018 11:43

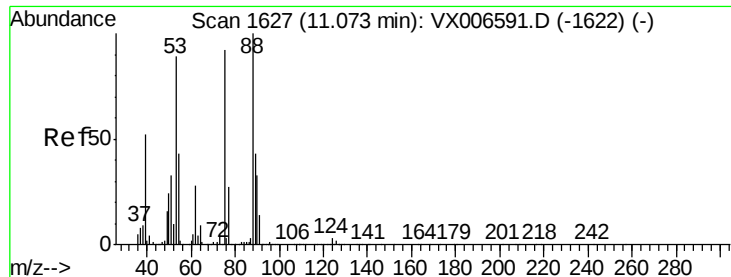
Tgt Ion: 105 Resp: 456051

Ion Ratio Lower Upper

105 100

120 50.8 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 16.754 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

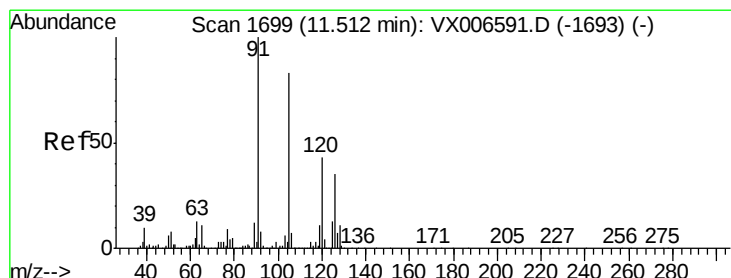
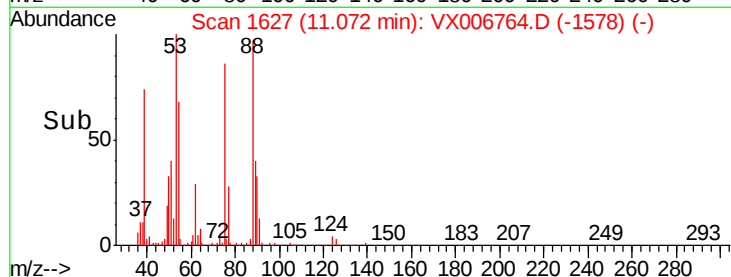
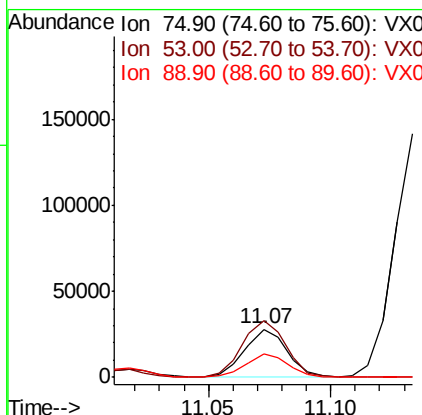
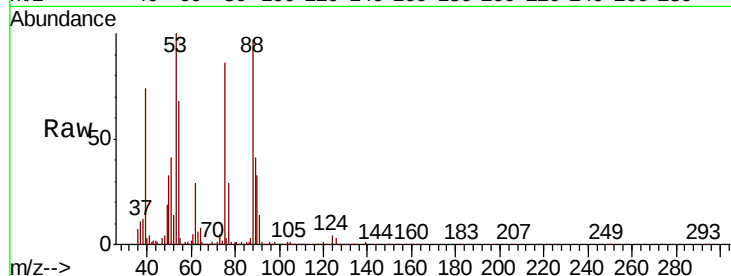
ClientSampleId :

VX1222WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.0	79.7	119.5
89	47.1	38.0	57.0

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#82

4-Chlorotoluene

Concen: 19.741 ug/l

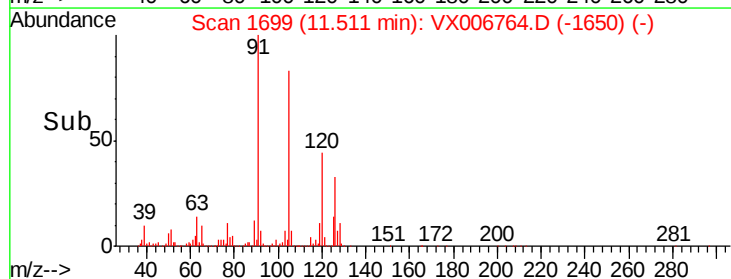
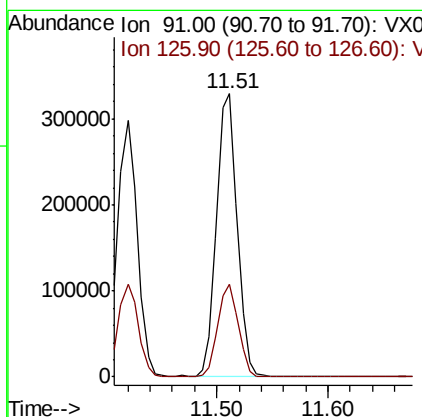
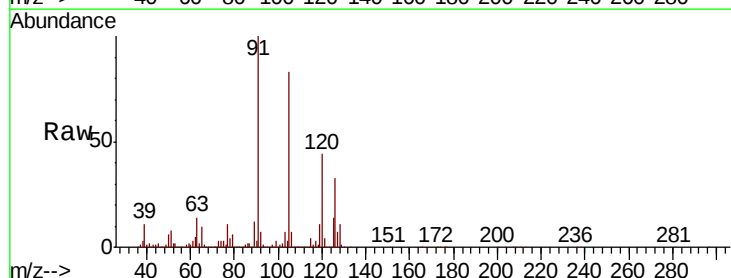
RT: 11.51 min Scan# 1699

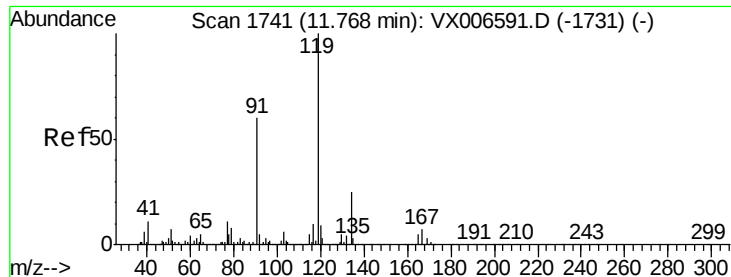
Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.9





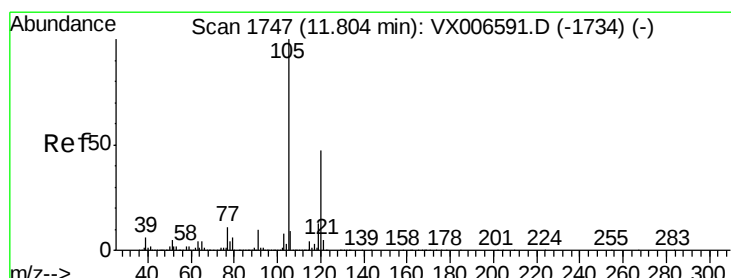
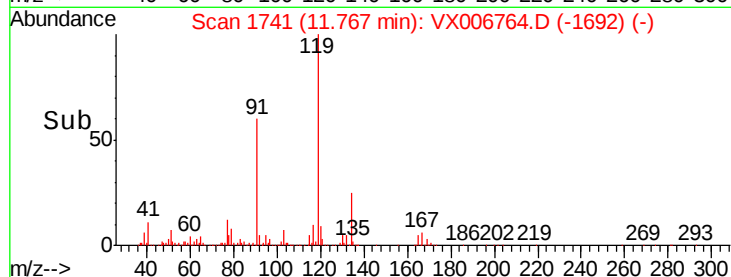
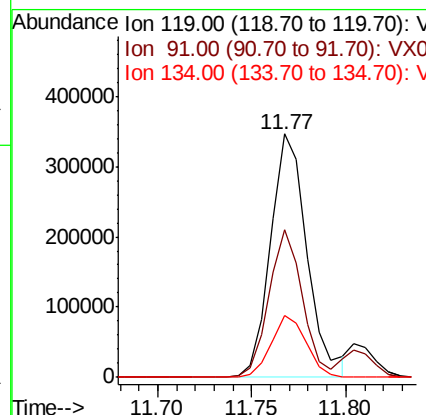
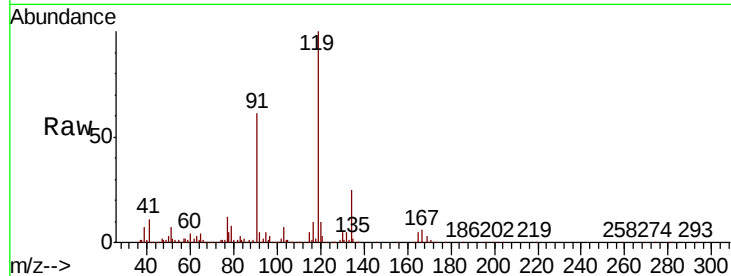
#83
tert-Butylbenzene
Concen: 20.137 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.7	27.7	83.1
134	24.4	11.9	35.5

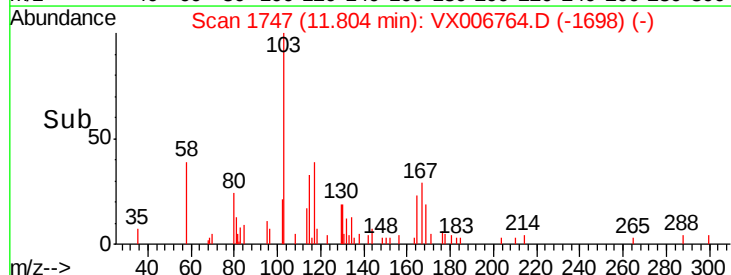
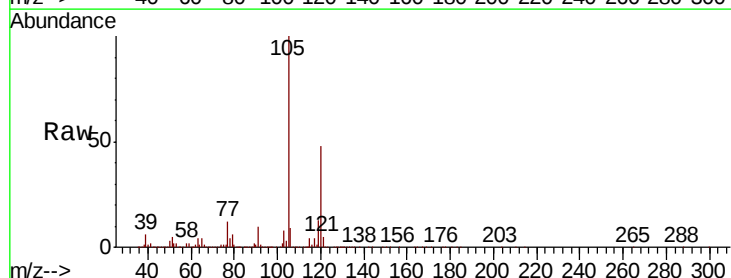
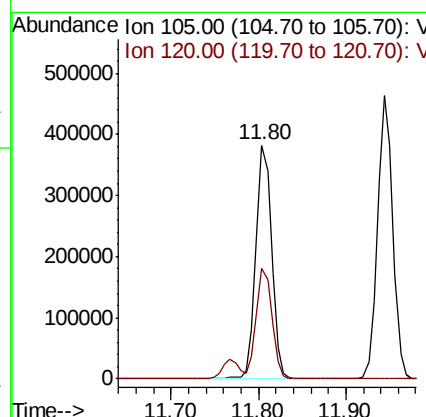
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#84
1,2,4-Trimethylbenzene
Concen: 19.557 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.029 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1222WBS01

Tot Ion:105 Resp: 567154

Ion Ratio Lower Upper

105 100

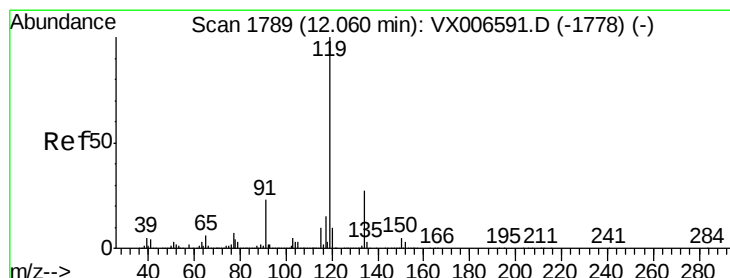
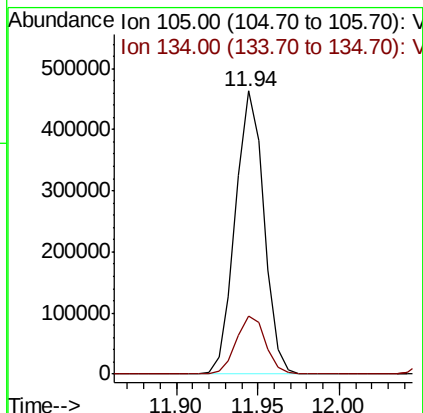
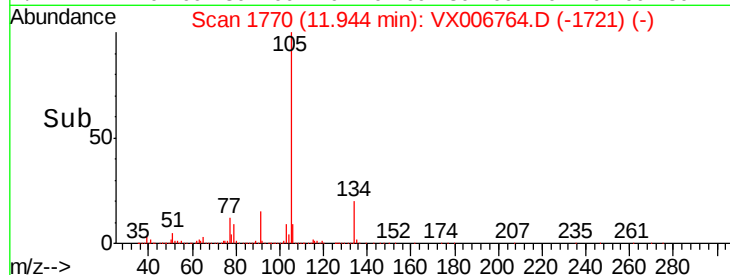
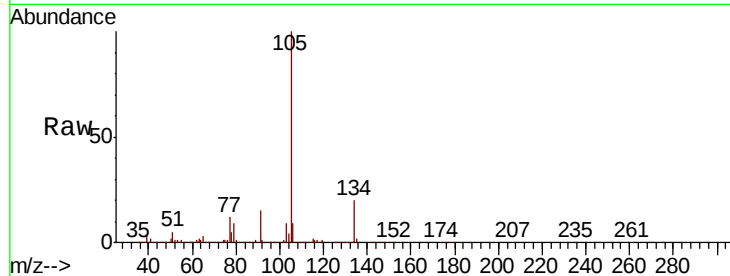
134 21.0 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 20.045 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

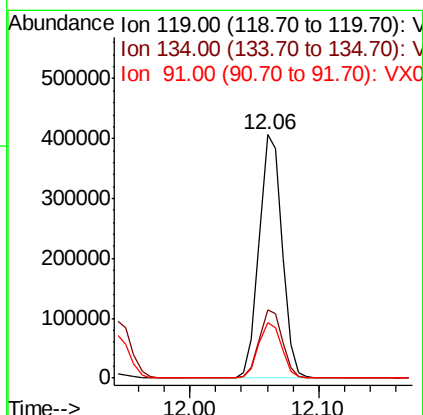
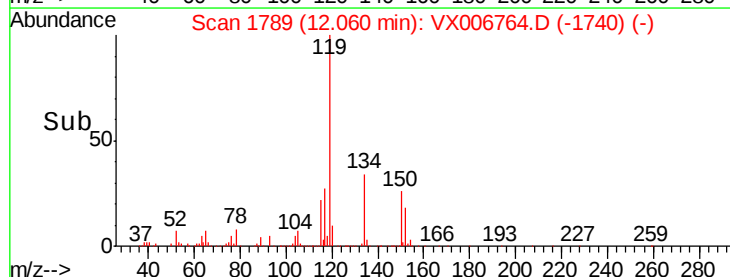
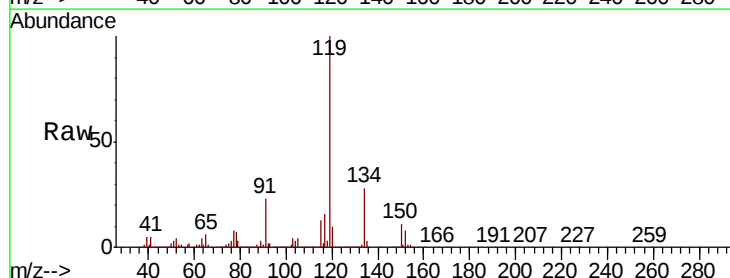
Tgt Ion:119 Resp: 498955

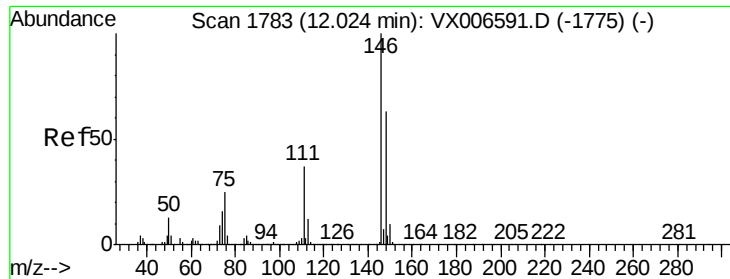
Ion Ratio Lower Upper

119 100

134 28.4 14.0 41.9

91 23.0 11.3 33.9





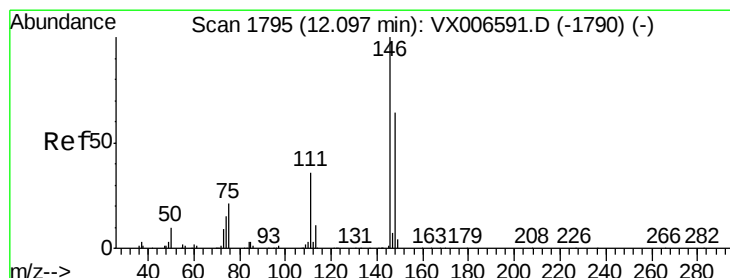
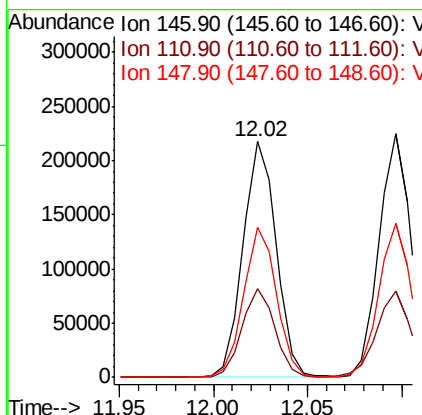
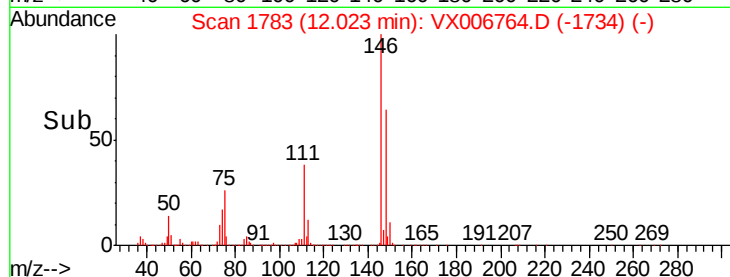
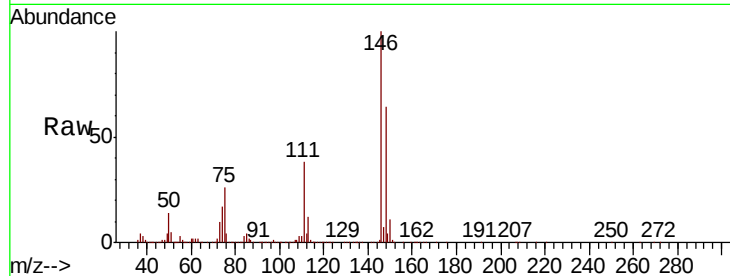
#87
 1,3-Dichlorobenzene
 Concen: 19.530 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1222WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.0	31.8	95.3

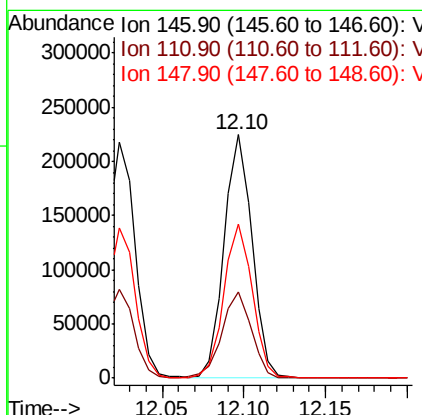
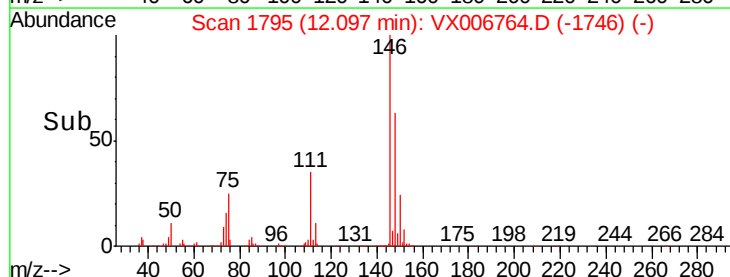
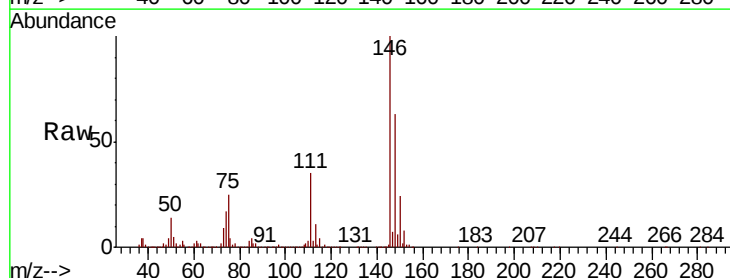
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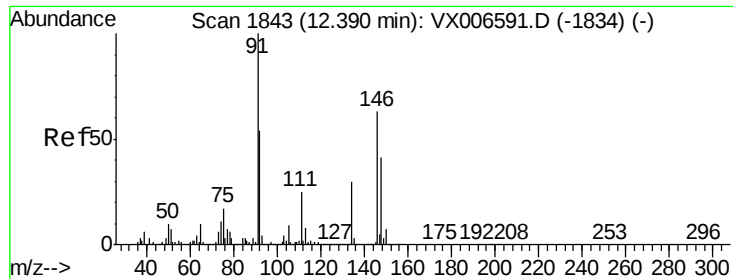
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#88
 1,4-Dichlorobenzene
 Concen: 19.140 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.7	31.9	95.9





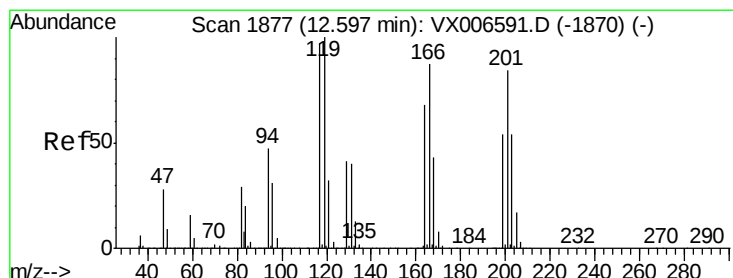
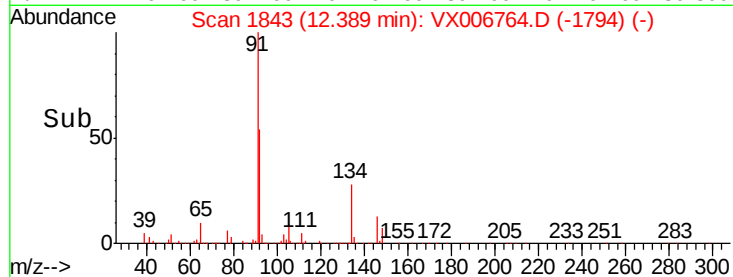
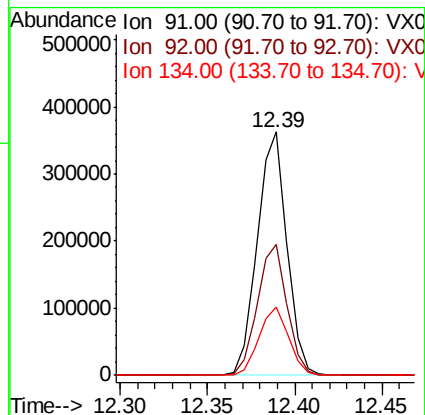
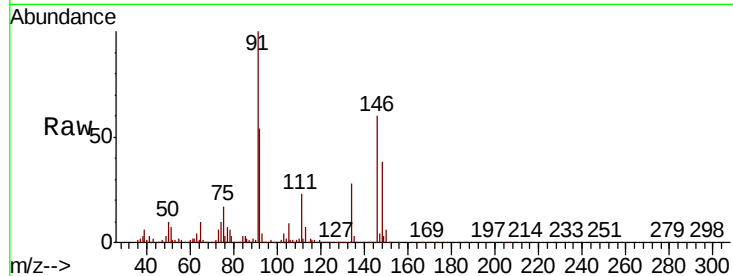
#89
n-Butylbenzene
Concen: 20.120 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1222WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.8	80.4
134	28.2	14.4	43.2

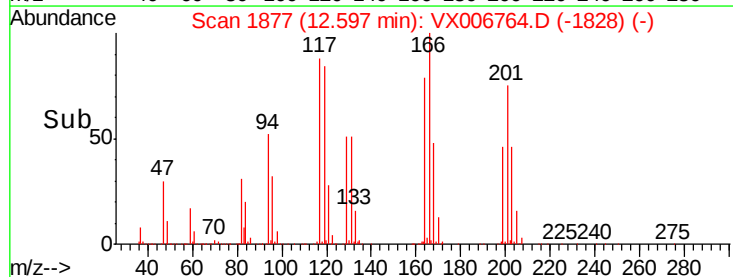
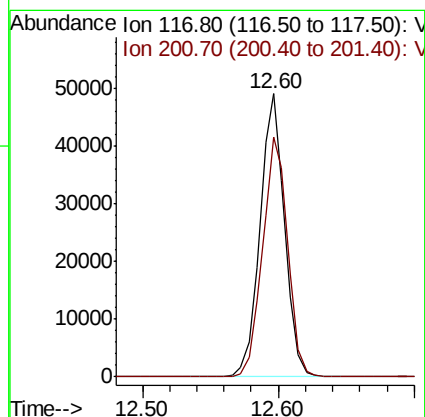
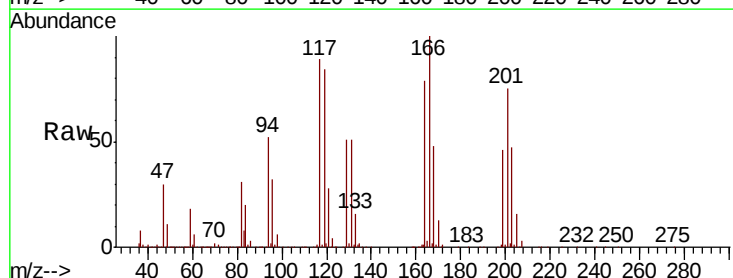
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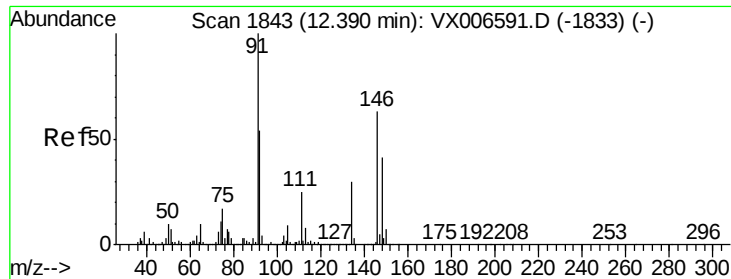
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#90
Hexachloroethane
Concen: 18.206 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006764.D
Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	42.9	128.7





#91

1,2-Dichlorobenzene

Concen: 19.140 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

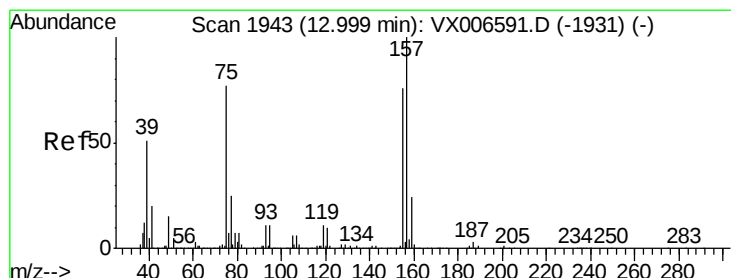
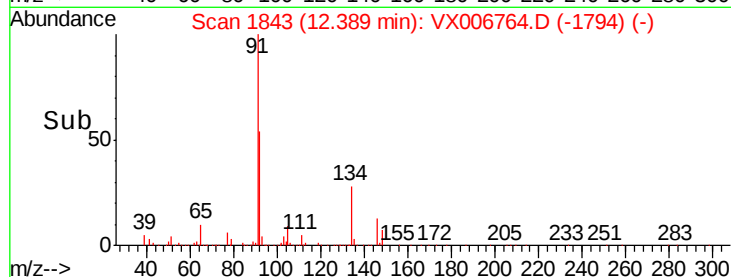
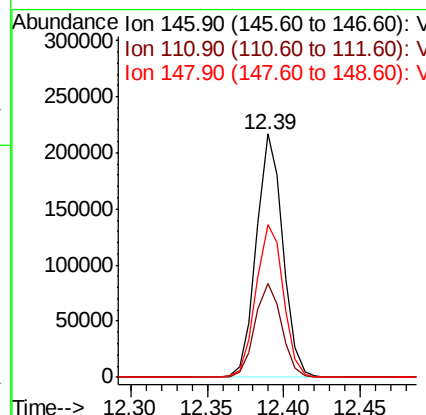
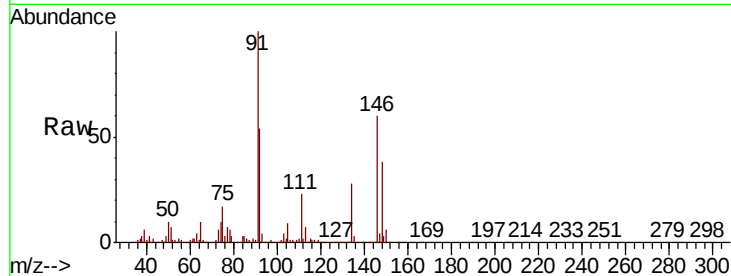
ClientSampleId :

VX1222WBS01

Tot Ion:	146	Resp:	261374
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.4	58.2
148	65.3	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.752 ug/l

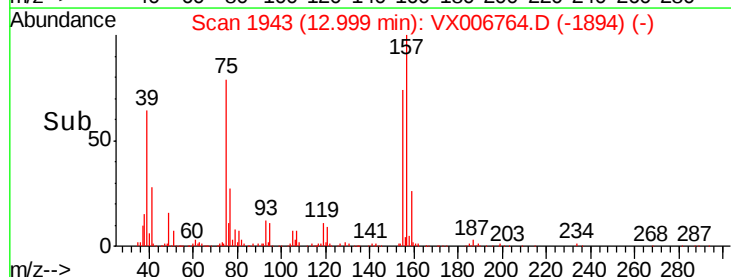
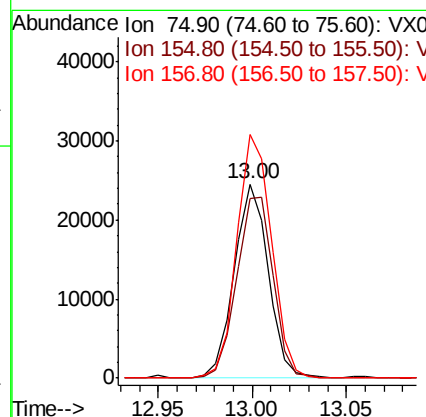
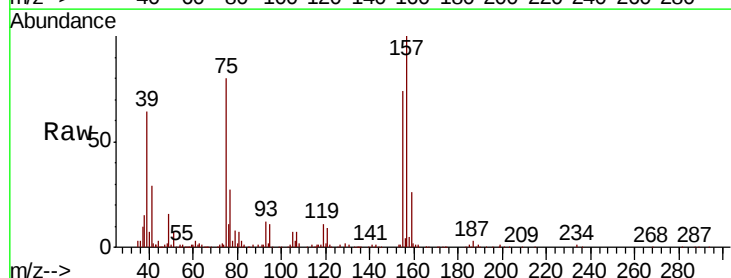
RT: 13.00 min Scan# 1943

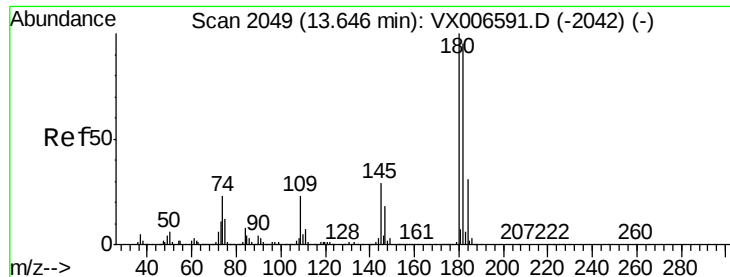
Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	75	Resp:	30605
Ion Ratio	Lower	Upper	
75	100		
155	100.1	50.6	151.8
157	128.9	64.6	193.8





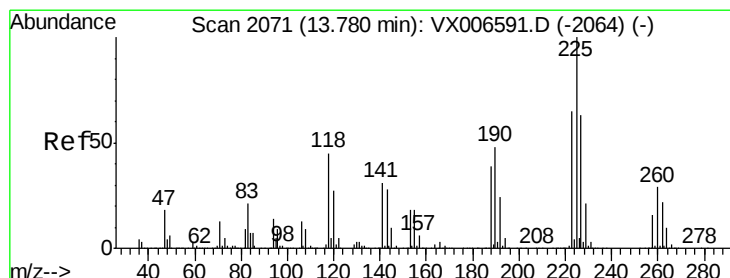
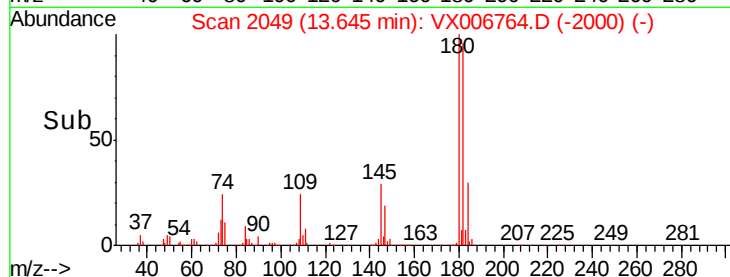
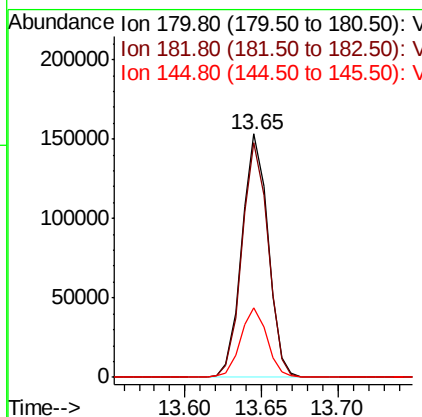
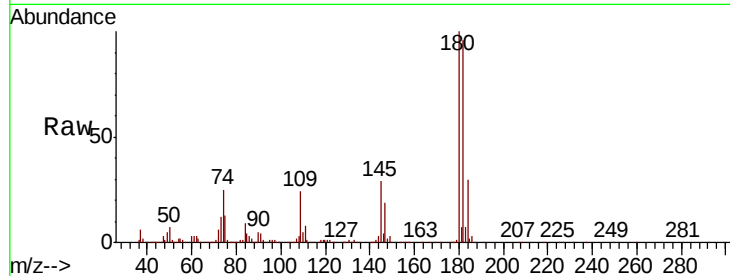
#93
 1,2,4-Trichlorobenzene
 Concen: 19.323 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1222WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182017		
182	96.4	47.3	142.0	
145	28.8	14.8	44.3	

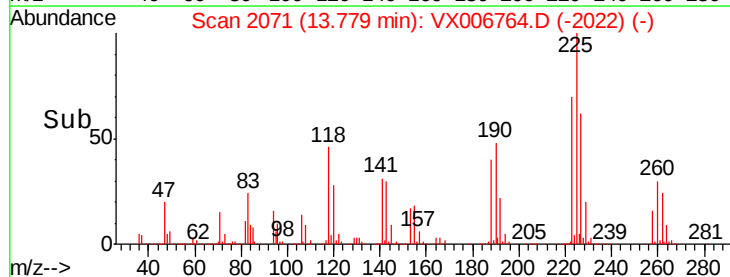
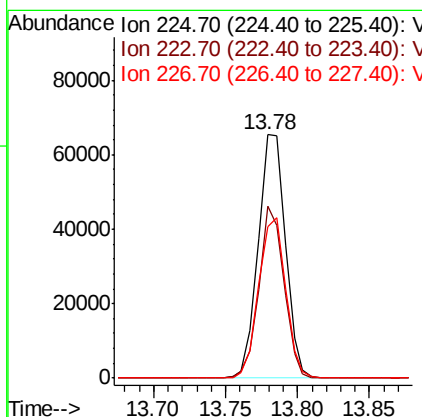
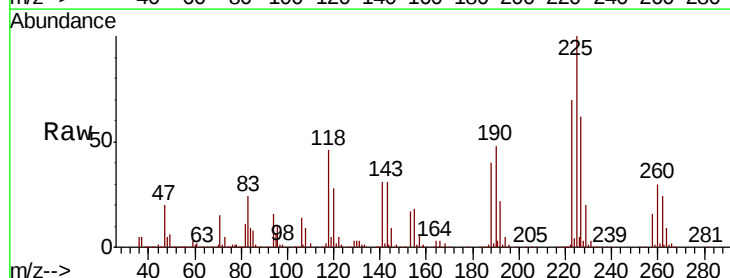
Manual Integrations
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MMDadoda
 12/24/2018 11:47:35 AM



#94
 Hexachlorobutadiene
 Concen: 19.104 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006764.D
 Acq: 22 Dec 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84817		
223	64.9	32.1	96.3	
227	65.5	32.3	96.8	





#95

Naphthalene

Concen: 18.641 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Instrument :

MSVOA_X

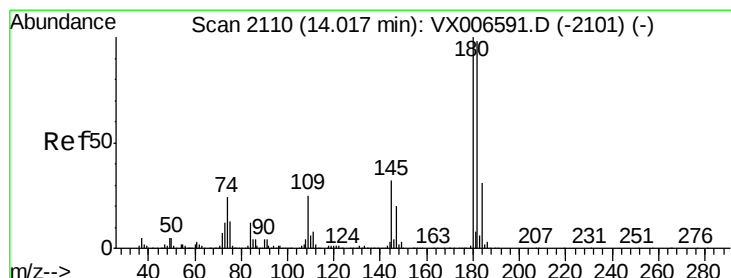
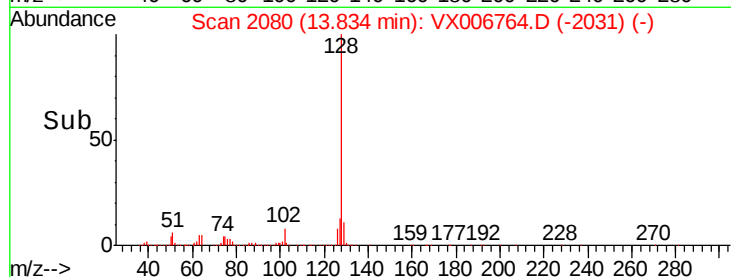
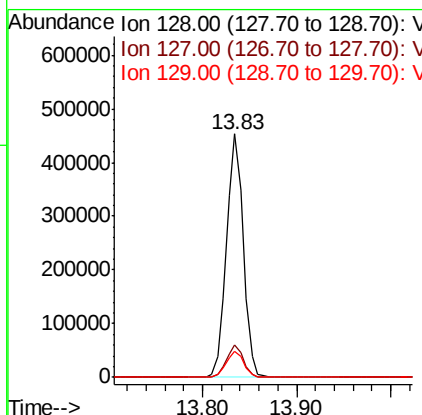
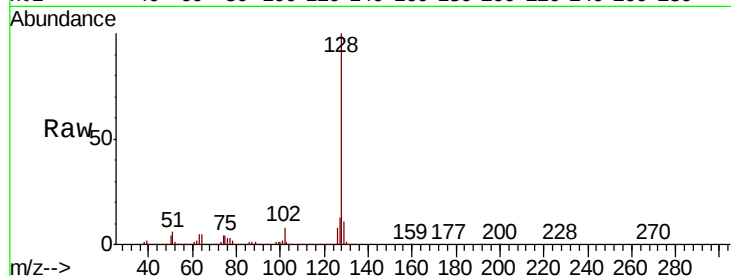
ClientSampleId :

VX1222WBS01

Tot Ion:	128	Resp:	560423
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/24/2018 11:47:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.697 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006764.D

Acq: 22 Dec 2018 11:43

Tgt Ion:	180	Resp:	181841
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.5	145.5
145	31.6	16.0	47.9

