

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010498.D
 Acq On : 27 Jun 2019 18:50
 Operator : JC/SP
 Sample : VX0627WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:38:20 AM

Quant Time: Jun 28 07:48:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	170881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	117337	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	5.50	113	115220	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	8.71	98	427492	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	152565	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	30215	17.844	ug/l	100
3) Chloromethane	1.33	50	34772	17.635	ug/l	99
4) Vinyl Chloride	1.41	62	38245	17.708	ug/l	98
5) Bromomethane	1.64	94	22412	21.301	ug/l	100
6) Chloroethane	1.72	64	24505	19.232	ug/l	97
7) Trichlorofluoromethane	1.93	101	67358	19.674	ug/l	95
8) Diethyl Ether	2.19	74	24623	20.055	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	38549	18.580	ug/l	99
10) Methyl Iodide	2.51	142	51010	17.228	ug/l	98
11) Tert butyl alcohol	3.04	59	57237	95.784	ug/l	99
12) 1,1-Dichloroethene	2.37	96	38843	18.399	ug/l	98
13) Acrolein	2.29	56	19603	49.452	ug/l	99
14) Allyl chloride	2.73	41	55814	18.622	ug/l	99
15) Acrylonitrile	3.14	53	116152	98.176	ug/l	100
16) Acetone	2.44	43	94701	82.744	ug/l	99
17) Carbon Disulfide	2.57	76	88052	15.546	ug/l	100
18) Methyl Acetate	2.78	43	47327	20.748	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	130331	19.624	ug/l	99
20) Methylene Chloride	2.85	84	45866	19.473	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	42923	18.904	ug/l	94
22) Diisopropyl ether	3.85	45	123317	19.678	ug/l	98
23) Vinyl Acetate	3.81	43	485381	89.659	ug/l	100
24) 1,1-Dichloroethane	3.70	63	70679	19.512	ug/l	99
25) 2-Butanone	4.67	43	154490	92.022	ug/l	98
26) 2,2-Dichloropropane	4.59	77	48435	15.392	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	50505	19.248	ug/l	98
28) Bromochloromethane	5.02	49	33666	19.439	ug/l	100
29) Tetrahydrofuran	5.13	42	102055	98.141	ug/l	99
30) Chloroform	5.21	83	76036	19.509	ug/l	98
31) Cyclohexane	5.58	56	59882	18.154	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	65185	18.942	ug/l	100
36) 1,1-Dichloropropene	5.80	75	52868	17.850	ug/l	99
37) Ethyl Acetate	4.84	43	57615	18.909	ug/l	98
38) Carbon Tetrachloride	5.78	117	57631	17.969	ug/l	96

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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)
39) Methylcyclohexane	7.46	83	67607	17.365	ug/l	98
40) Benzene	6.15	78	174396	18.900	ug/l	99
41) Methacrylonitrile	5.04	41	31403	18.783	ug/l	97
42) 1,2-Dichloroethane	6.19	62	54530	19.414	ug/l	100
43) Isopropyl Acetate	6.45	43	94479	18.741	ug/l	99
44) Trichloroethene	7.21	130	51199	18.543	ug/l	98
45) 1,2-Dichloropropane	7.51	63	43333	18.596	ug/l	99
46) Dibromomethane	7.66	93	31374	18.766	ug/l	99
47) Bromodichloromethane	7.90	83	54064	17.645	ug/l	99
48) Methyl methacrylate	7.77	41	44918	19.169	ug/l	98
49) 1,4-Dioxane	7.74	88	26060	386.059	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	312064	96.789	ug/l	99
52) Toluene	8.78	92	113792	18.726	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	56841	16.547	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	64334	17.234	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	48187	19.228	ug/l	98
56) Ethyl methacrylate	9.18	69	69876	18.405	ug/l	98
57) 1,3-Dichloropropane	9.37	76	74259	19.088	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	169922	94.241	ug/l	99
59) 2-Hexanone	9.49	43	238585	94.022	ug/l	100
60) Dibromochloromethane	9.58	129	48443	17.264	ug/l	100
61) 1,2-Dibromoethane	9.67	107	49700	18.373	ug/l	98
64) Tetrachloroethene	9.34	164	53236	19.799	ug/l	98
65) Chlorobenzene	10.13	112	127902	18.951	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	46238	18.809	ug/l	99
67) Ethyl Benzene	10.25	91	216414	18.994	ug/l	99
68) m/p-Xylenes	10.36	106	169830	38.469	ug/l	99
69) o-Xylene	10.69	106	82819	19.076	ug/l	98
70) Styrene	10.71	104	138716	19.052	ug/l	99
71) Bromoform	10.85	173	36395	17.024	ug/l #	98
73) Isopropylbenzene	11.02	105	216269	18.670	ug/l	99
74) N-amyl acetate	10.90	43	76708	17.522	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	73710	19.214	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	68194m	21.900	ug/l	
77) Bromobenzene	11.26	156	60947	18.843	ug/l	98
78) n-propylbenzene	11.36	91	238416	18.727	ug/l	100
79) 2-Chlorotoluene	11.42	91	141248	18.632	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	179265	18.773	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	19534	14.635	ug/l	95
82) 4-Chlorotoluene	11.51	91	159869	18.533	ug/l	98
83) tert-Butylbenzene	11.77	119	179831	18.763	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	184112	19.190	ug/l	98
85) sec-Butylbenzene	11.94	105	211197	18.767	ug/l	99
86) p-Isopropyltoluene	12.06	119	194198	18.656	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	104640	18.534	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	106995	18.615	ug/l	99
89) n-Butylbenzene	12.38	91	158541	17.924	ug/l	99
90) Hexachloroethane	12.60	117	30257	16.811	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	105254	18.757	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14158	17.118	ug/l	99

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Instrument :
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ClientSampleId :
VX0627WBSD01

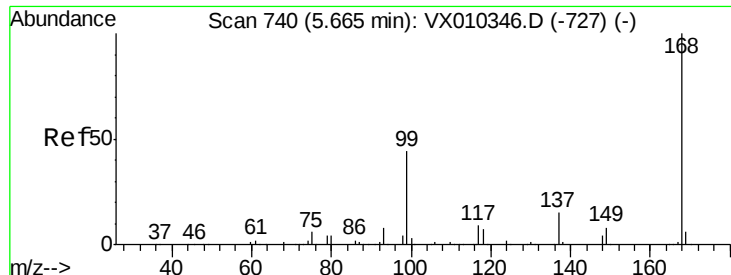
Manual Integrations
APPROVED

MMDadoda
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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	13.64	180	72774	18.701	ug/l	98
94) Hexachlorobutadiene	13.78	225	34942	18.372	ug/l	99
95) Naphthalene	13.83	128	227851	19.053	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	74643	19.292	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion:168 Resp: 243565

Ion Ratio Lower Upper

168 100

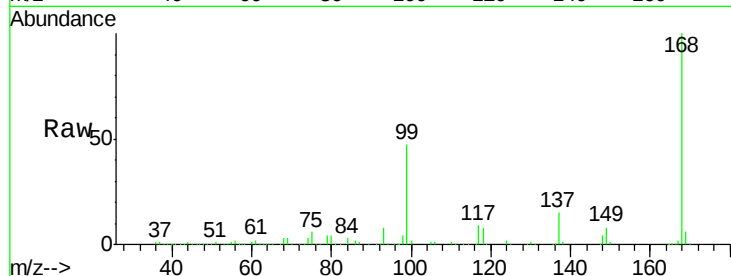
99 46.7 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

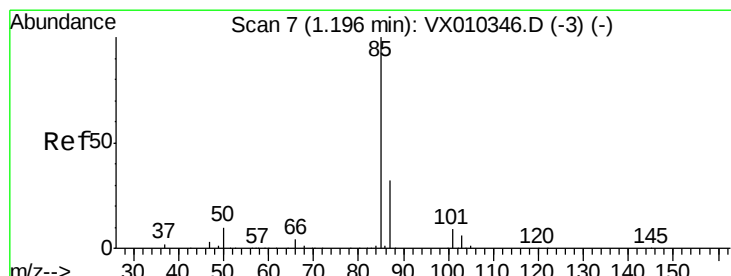
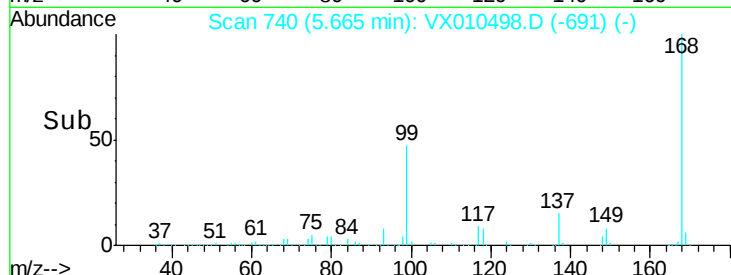
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.844 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010498.D

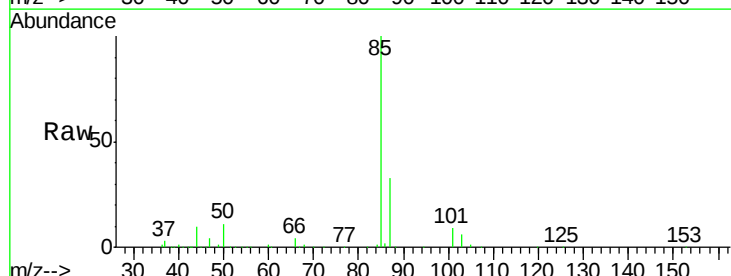
Acq: 27 Jun 2019 18:50

Tgt Ion: 85 Resp: 30215

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

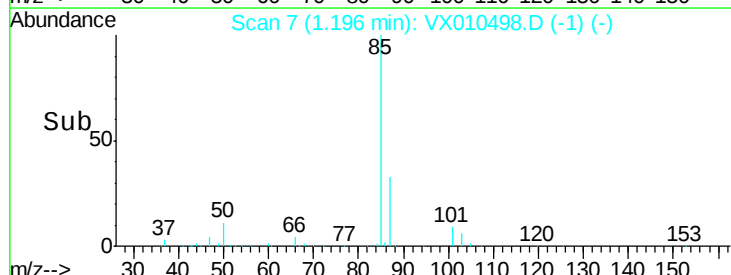
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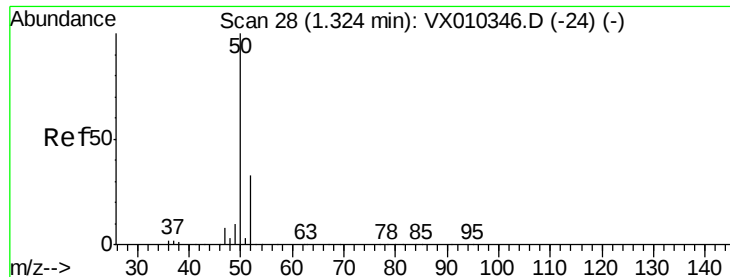
20000

10000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 17.635 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 50 Resp: 34772

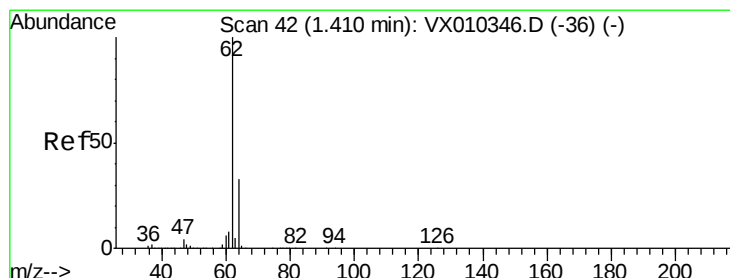
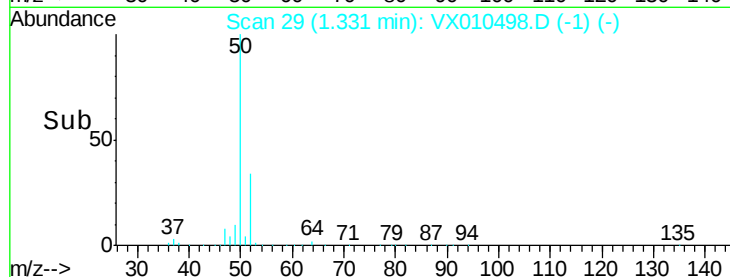
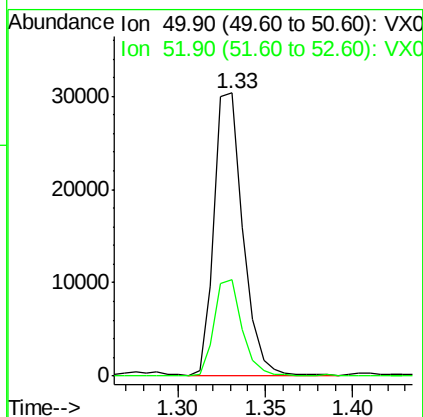
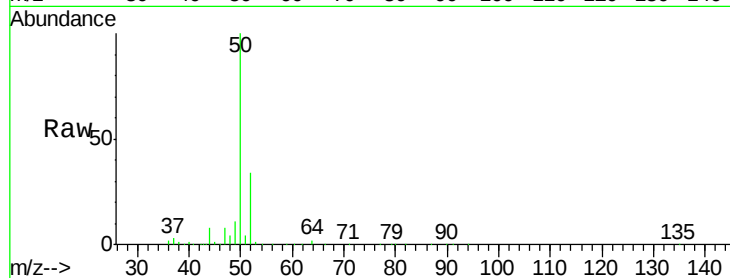
Ion Ratio Lower Upper

50 100

52 33.8 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.708 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010498.D

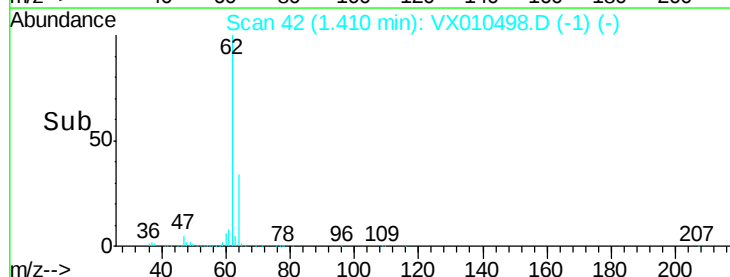
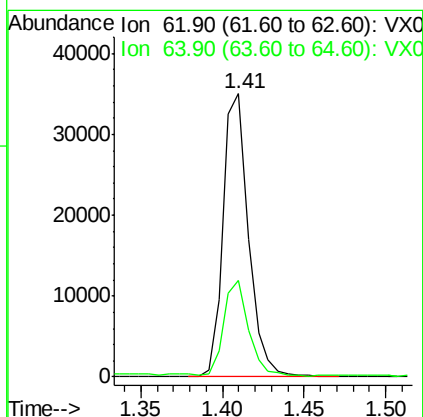
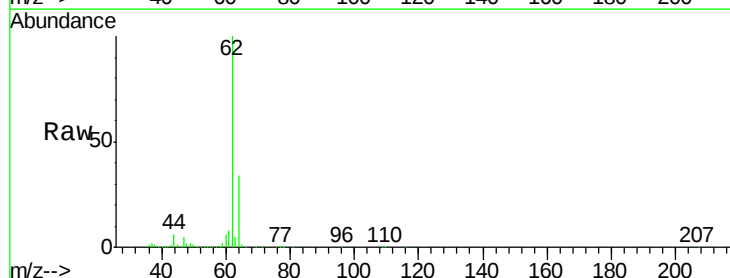
Acq: 27 Jun 2019 18:50

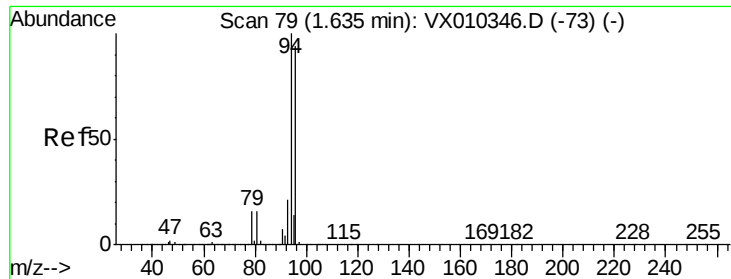
Tgt Ion: 62 Resp: 38245

Ion Ratio Lower Upper

62 100

64 33.7 26.2 39.4





#5

Bromomethane

Concen: 21.301 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 94 Resp: 22412

Ion Ratio Lower Upper

94 100

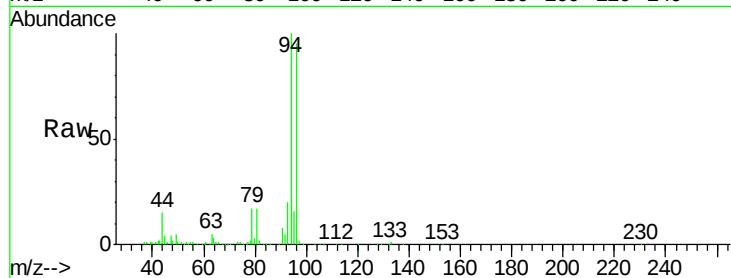
96 94.6 75.5 113.3

Manual Integrations

APPROVED

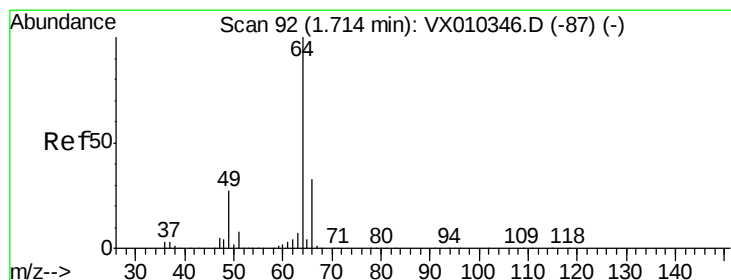
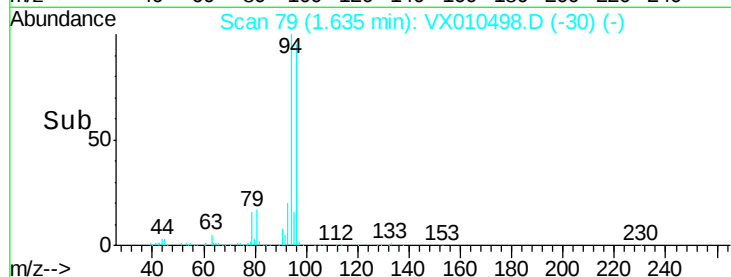
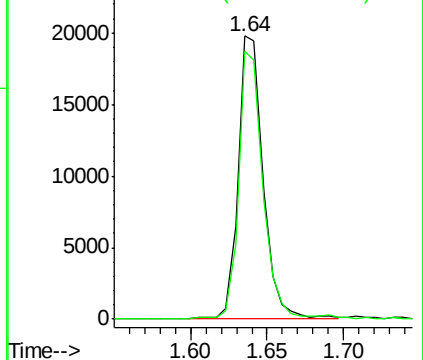
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.232 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010498.D

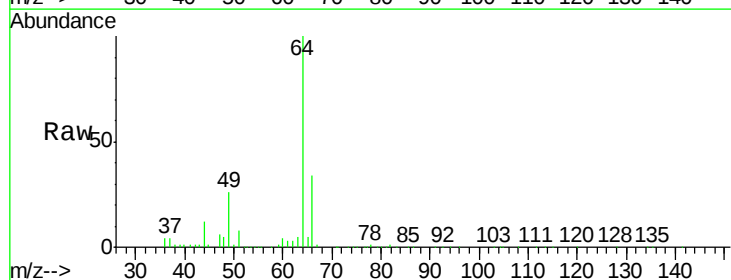
Acq: 27 Jun 2019 18:50

Tgt Ion: 64 Resp: 24505

Ion Ratio Lower Upper

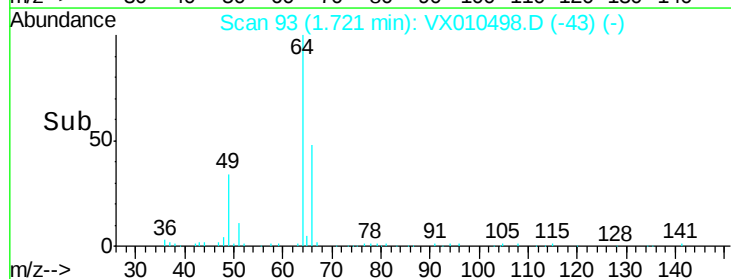
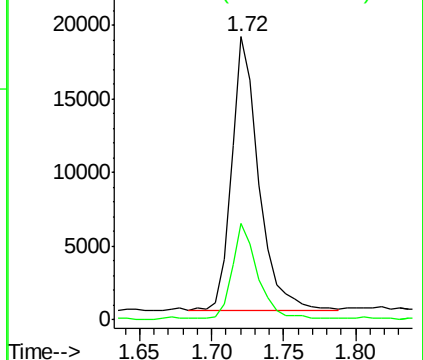
64 100

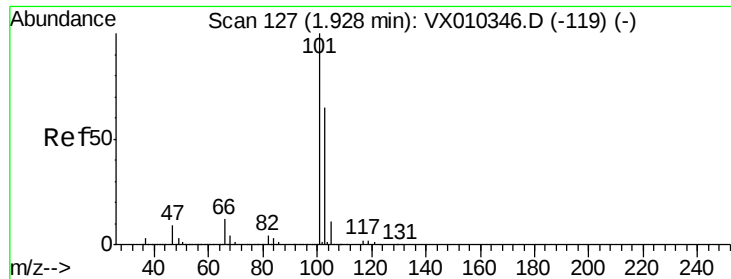
66 34.8 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

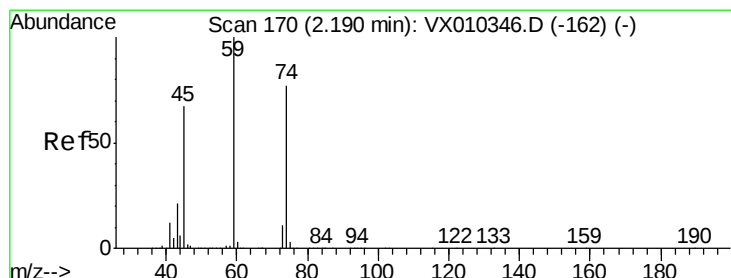
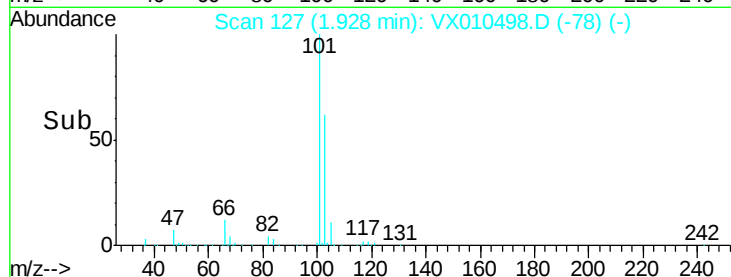
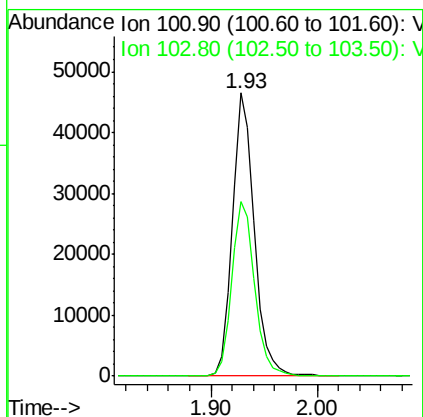
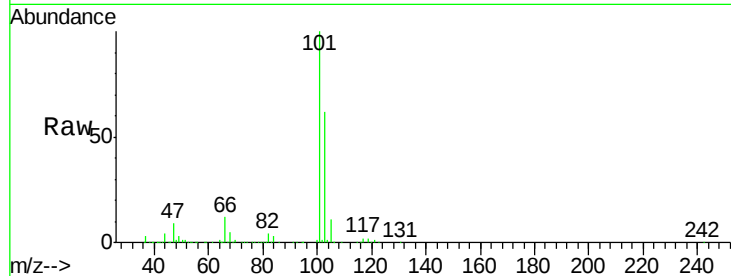
Trichlorofluoromethane
 Concen: 19.674 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
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 ClientSampleId :
 VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	52.3	78.5

Manual Integrations
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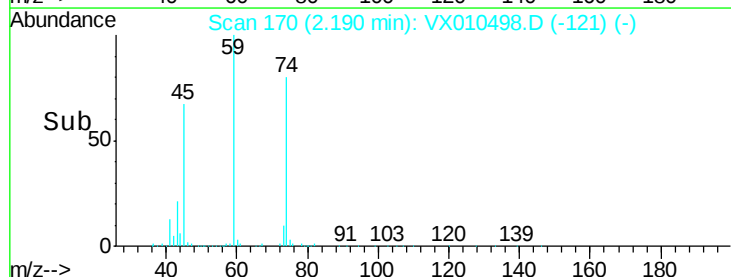
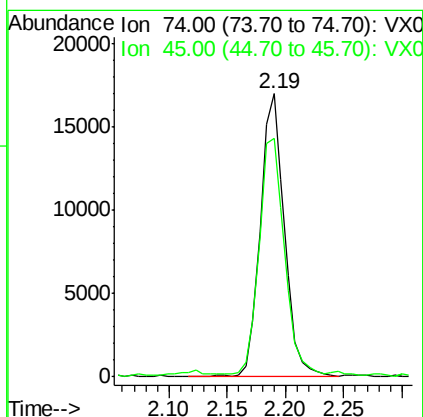
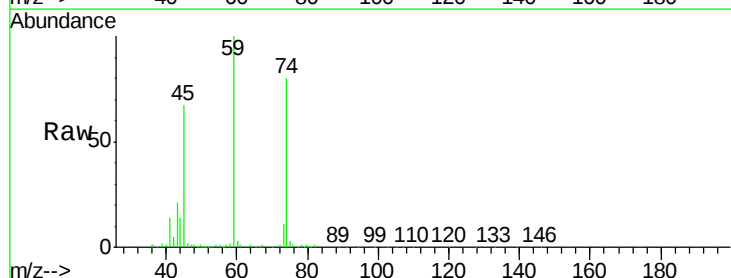
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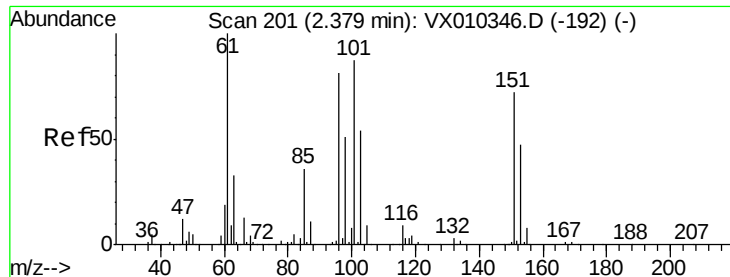


#8

Diethyl Ether
 Concen: 20.055 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.4	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.580 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

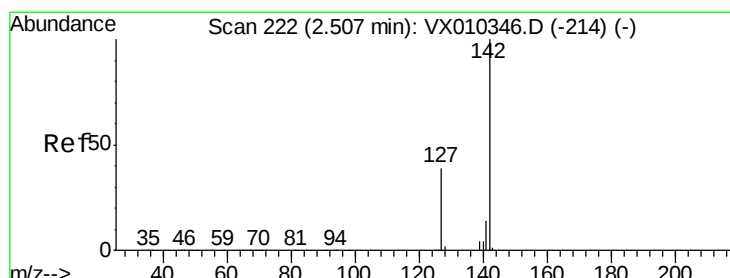
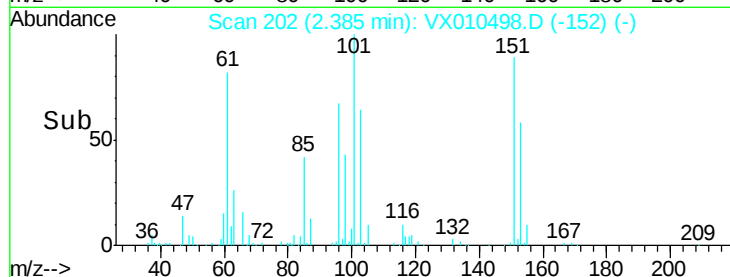
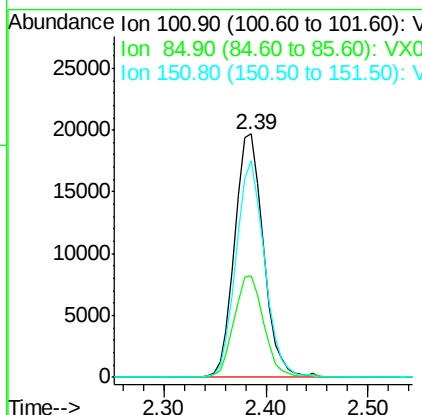
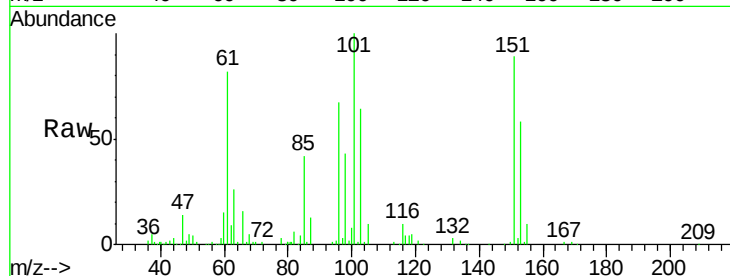
ClientSampleId :

VX0627WBSD01

Tot Ion:	101	Resp:	38549
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.7	50.5
151	88.2	70.1	105.1

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#10

Methyl Iodide

Concen: 17.228 ug/l

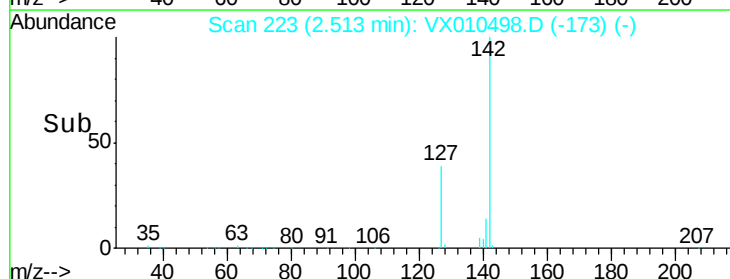
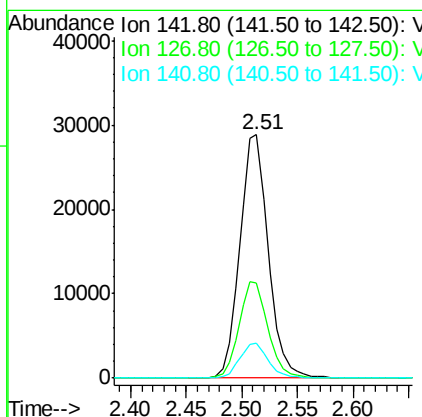
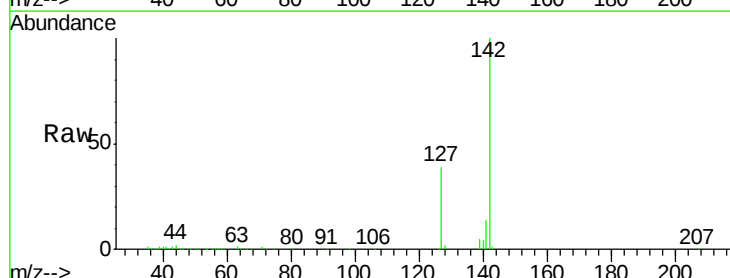
RT: 2.51 min Scan# 223

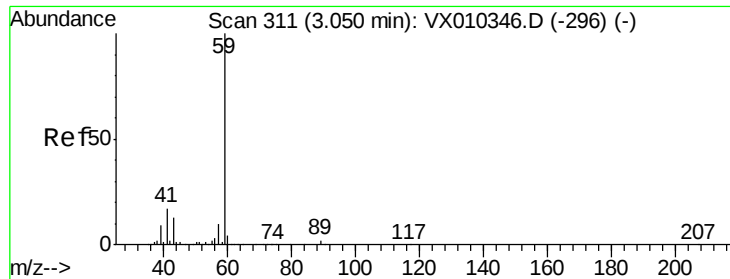
Delta R.T. 0.01 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion:	142	Resp:	51010
Ion Ratio	Lower	Upper	
142	100		
127	40.0	31.1	46.7
141	14.3	11.2	16.8





#11

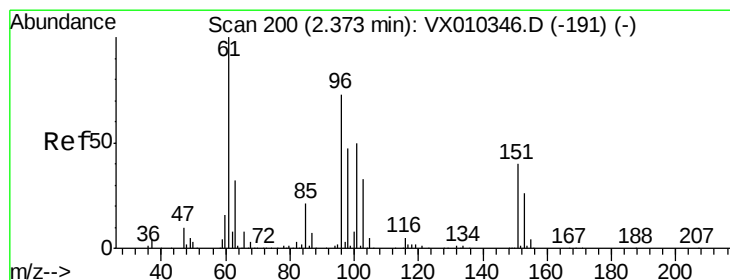
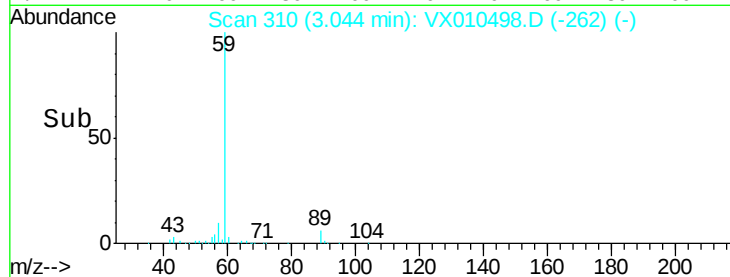
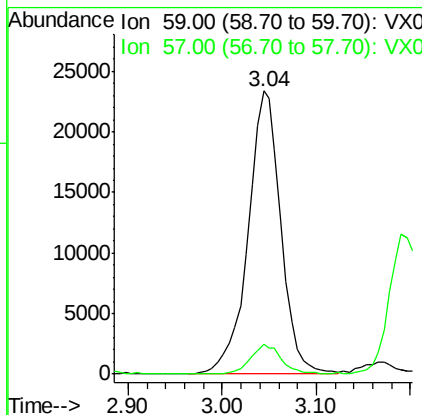
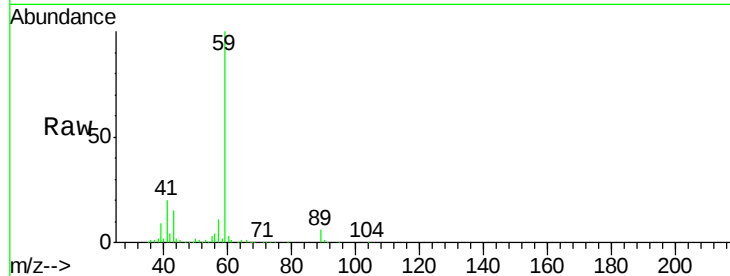
Tert butyl alcohol
Concen: 95.784 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleID :
VX0627WBSD01

Tot Ion	59	Resp	57237
Ion Ratio	100	Lower	Upper
57	9.9	7.7	11.5

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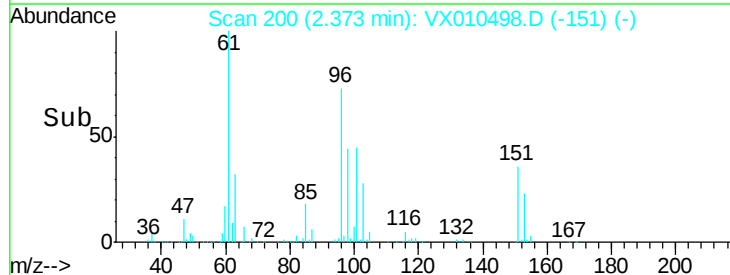
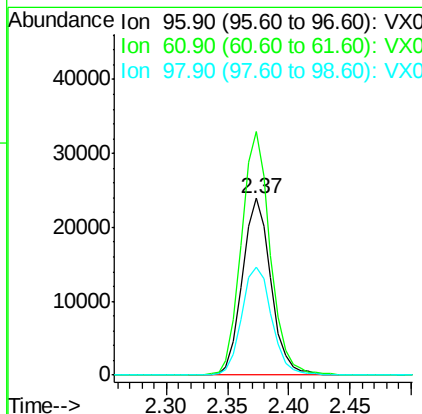
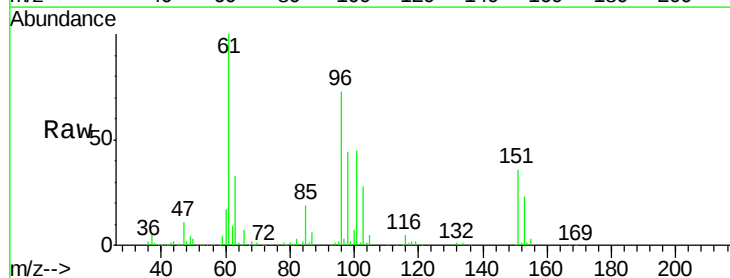
MMDadoda
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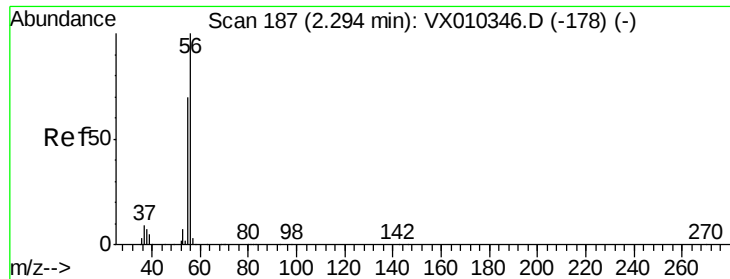


#12

1,1-Dichloroethene
Concen: 18.399 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion	96	Resp	38843
Ion Ratio	100	Lower	Upper
61	137.6	109.2	163.8
98	60.9	51.1	76.7





#13

Acrolein

Concen: 49.452 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 56 Resp: 19603

Ion Ratio Lower Upper

56 100

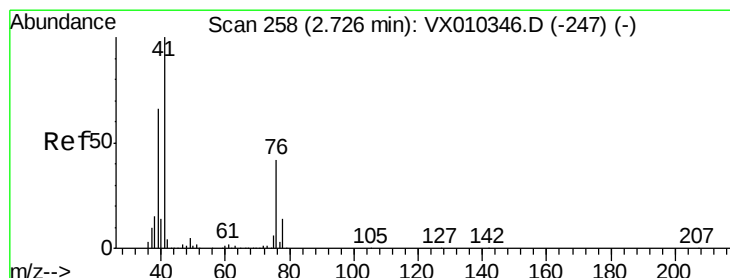
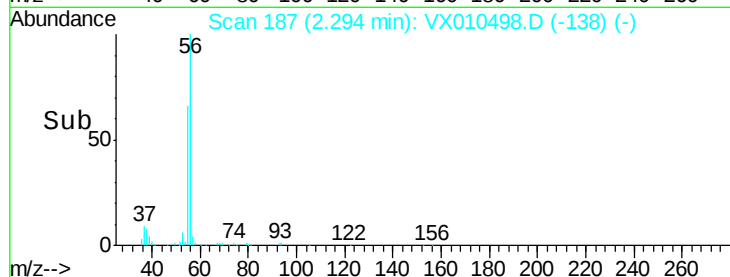
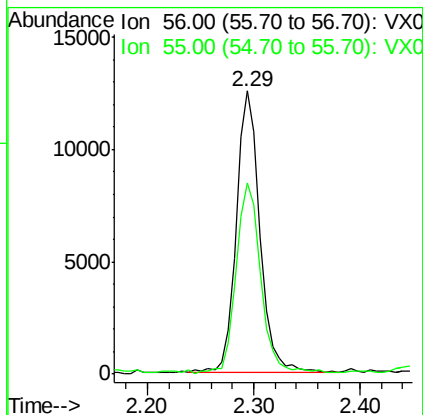
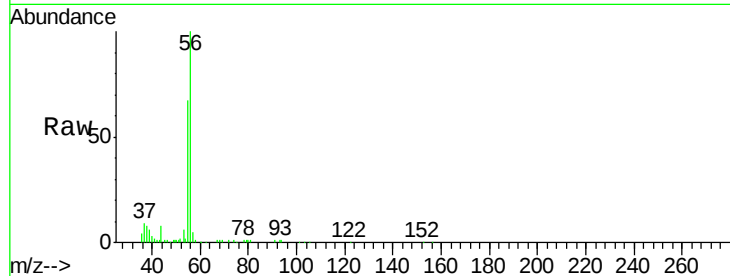
55 70.5 56.9 85.3

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#14

Allyl chloride

Concen: 18.622 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

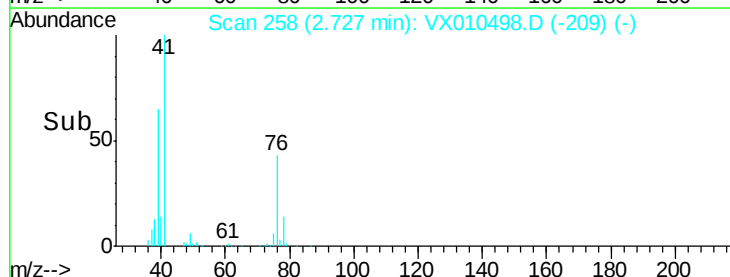
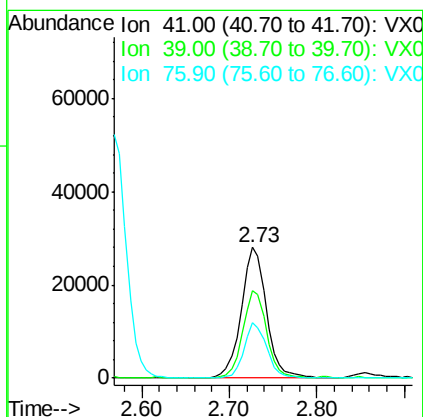
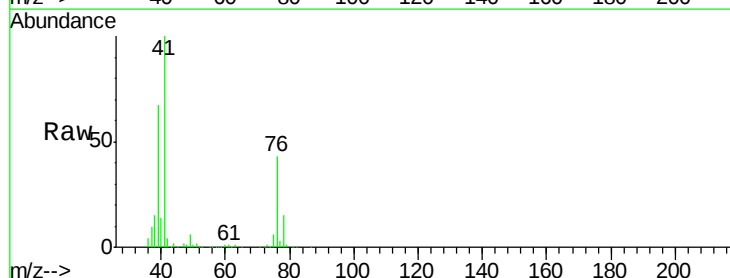
Tgt Ion: 41 Resp: 55814

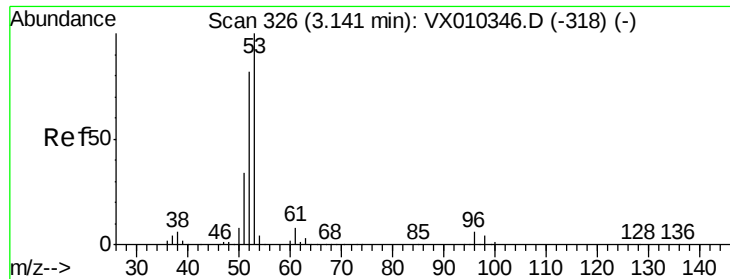
Ion Ratio Lower Upper

41 100

39 63.0 50.3 75.5

76 38.3 31.3 46.9





#15

Acrylonitrile

Concen: 98.176 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

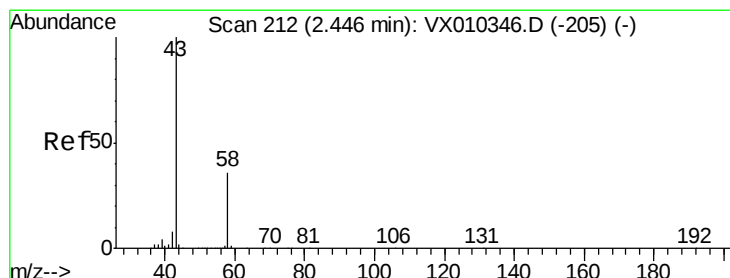
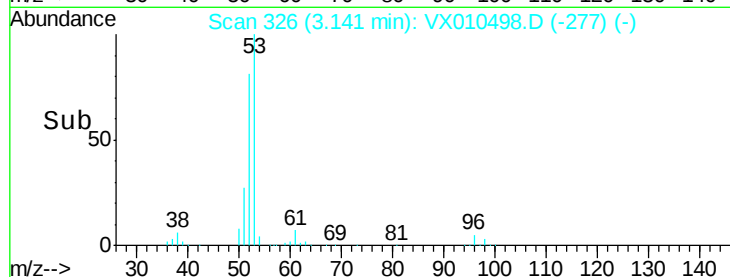
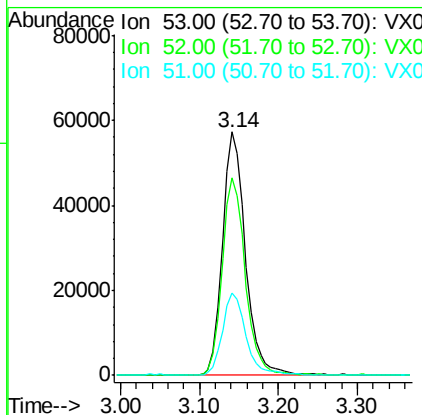
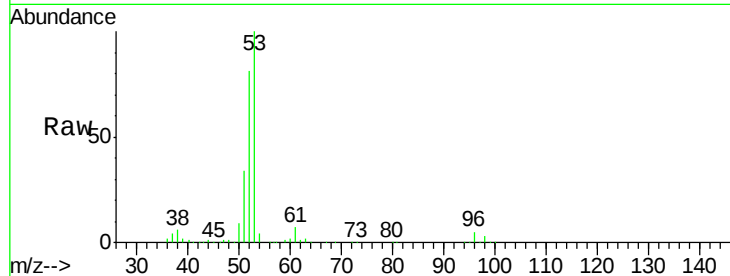
ClientSampleId :

VX0627WBSD01

Tot Ion:	53	Resp:	116152
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.5	98.3
51	34.8	28.2	42.4

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#16

Acetone

Concen: 82.744 ug/l

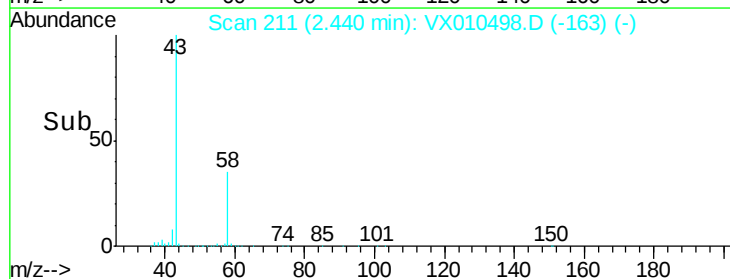
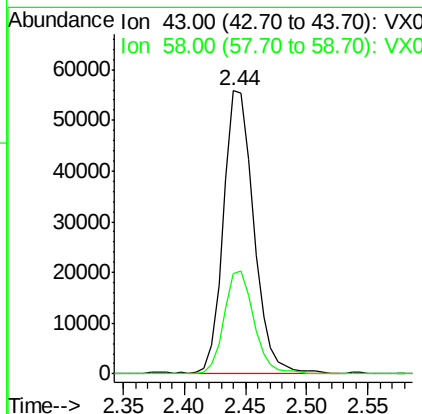
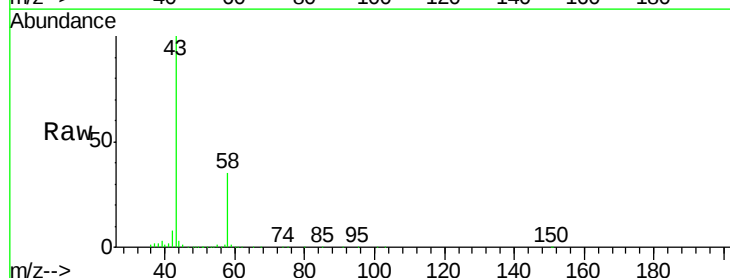
RT: 2.44 min Scan# 211

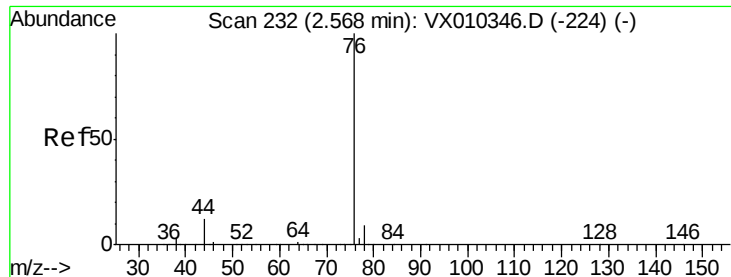
Delta R.T. -0.01 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion:	43	Resp:	94701
Ion Ratio	Lower	Upper	
43	100		
58	35.3	28.9	43.3





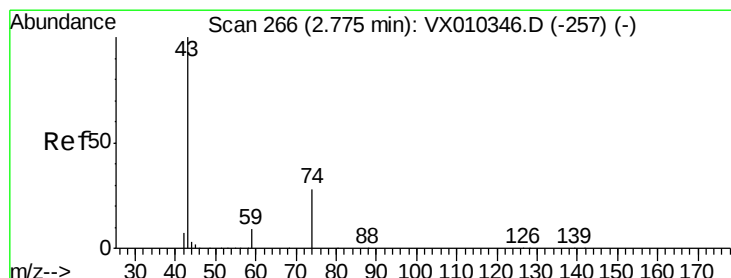
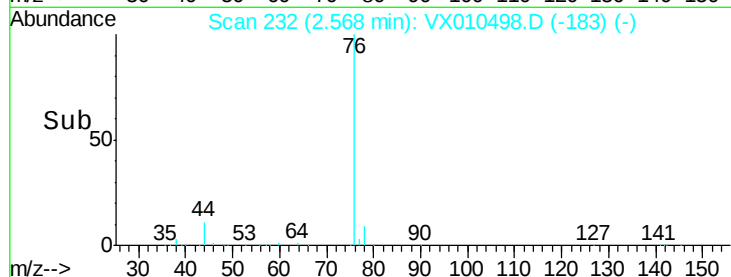
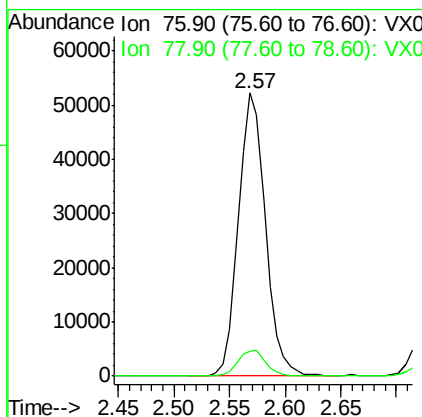
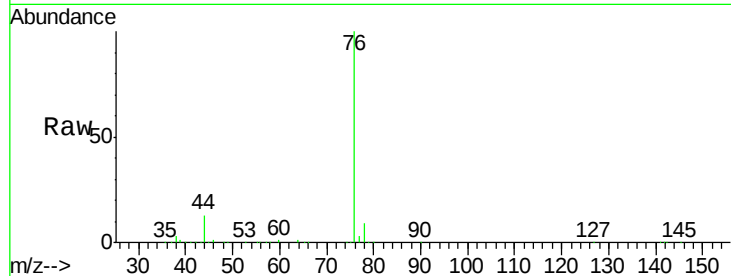
#17
Carbon Disulfide
Concen: 15.546 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

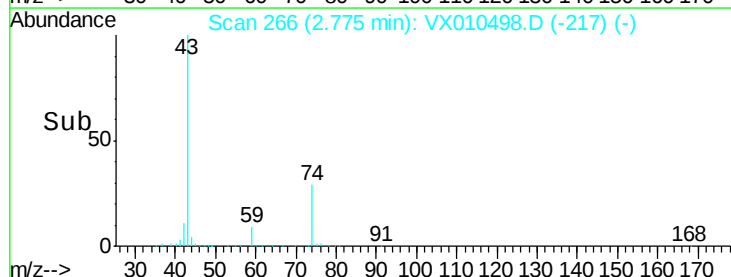
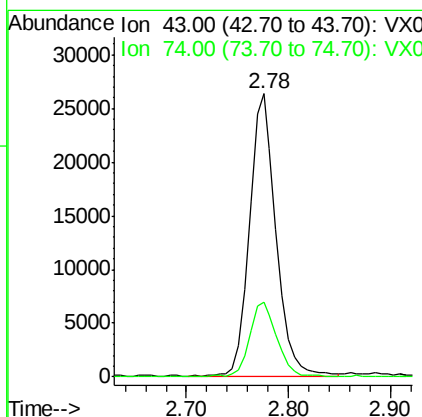
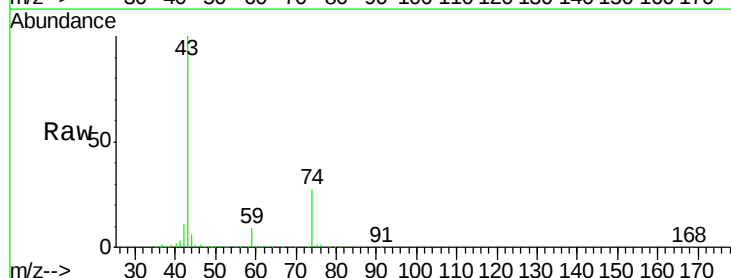
Manual Integrations
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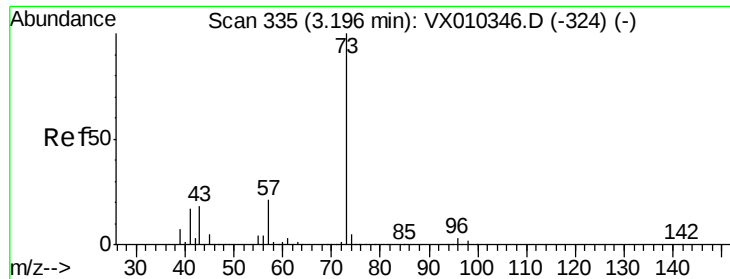
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#18
Methyl Acetate
Concen: 20.748 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.3	31.9





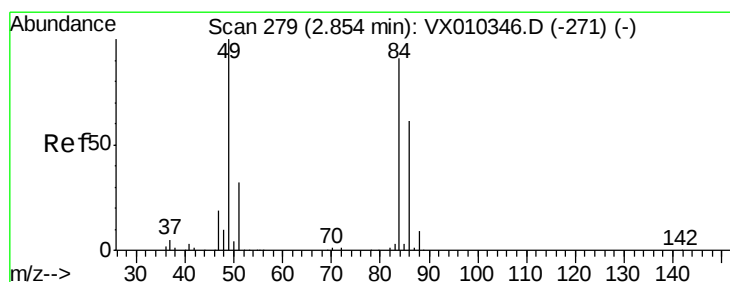
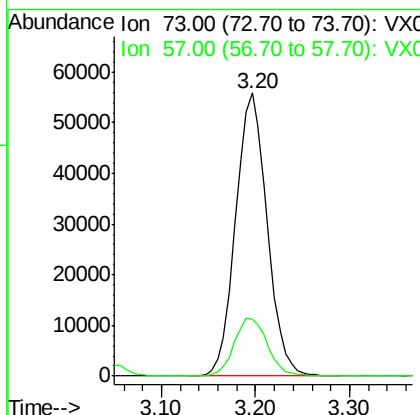
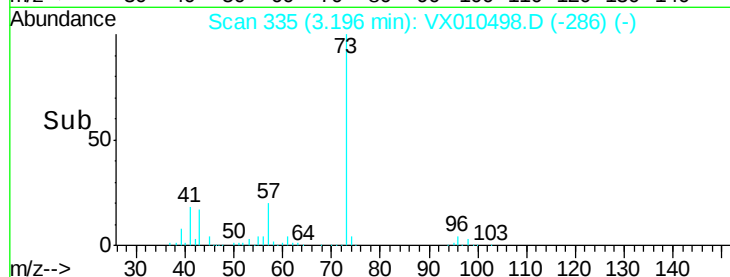
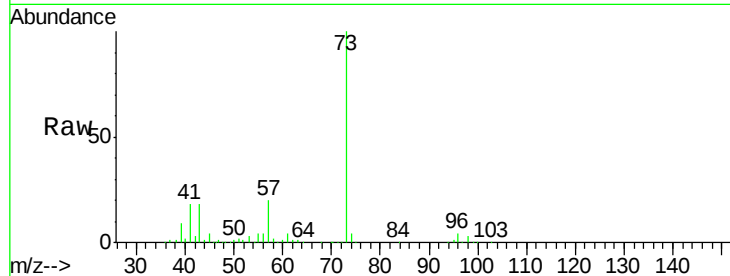
#19
Methyl tert-butyl Ether
Concen: 19.624 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion: 73 Resp: 130331
Ion Ratio Lower Upper
73 100
57 19.8 16.4 24.6

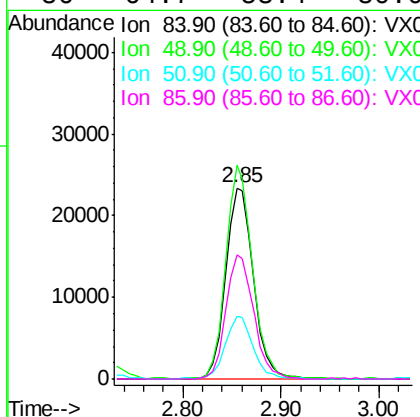
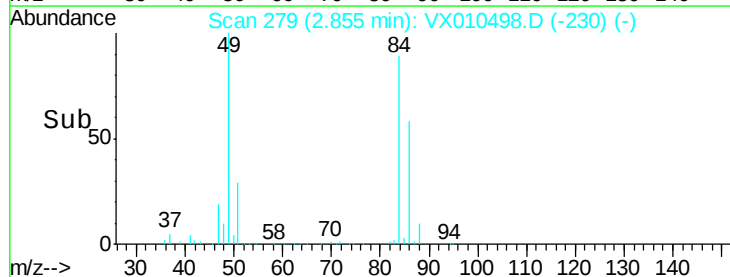
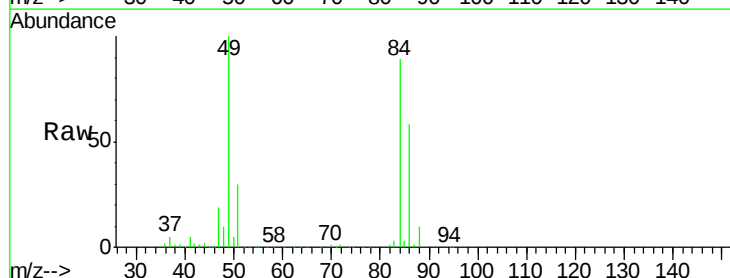
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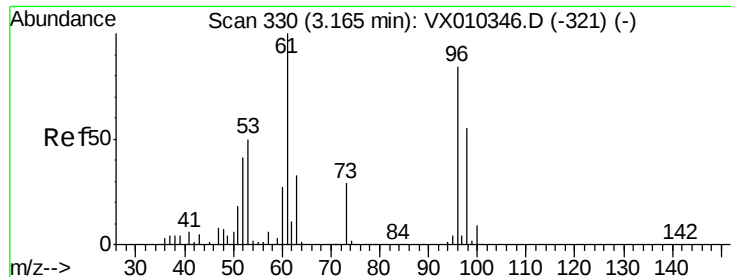
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#20
Methylene Chloride
Concen: 19.473 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion: 84 Resp: 45866
Ion Ratio Lower Upper
84 100
49 111.4 87.5 131.3
51 33.0 27.7 41.5
86 64.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.904 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 96 Resp: 42923

Ion Ratio Lower Upper

96 100

61 111.4 95.6 143.4

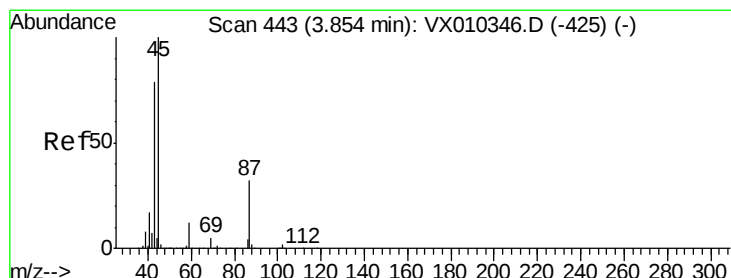
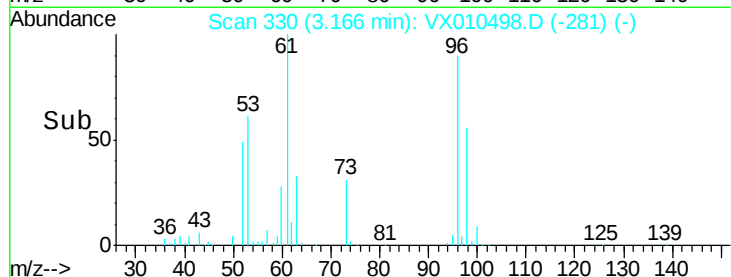
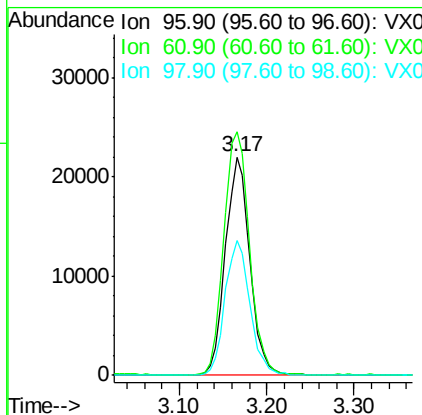
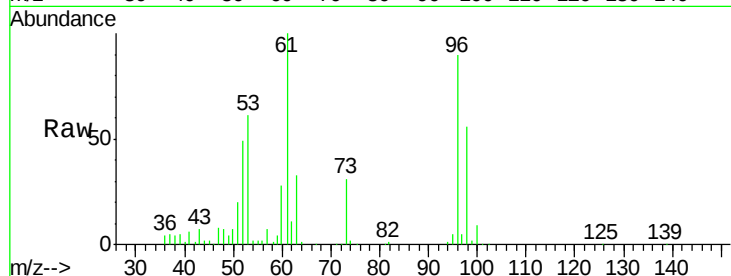
98 62.0 52.5 78.7

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#22

Diisopropyl ether

Concen: 19.678 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion: 45 Resp: 123317

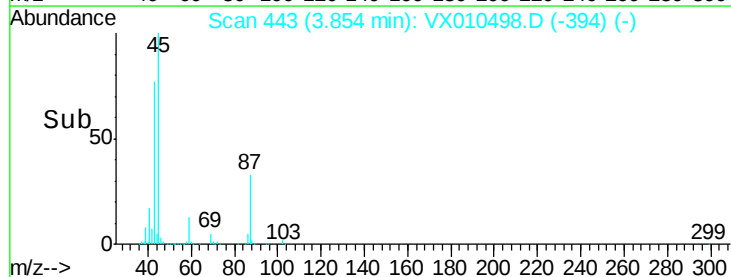
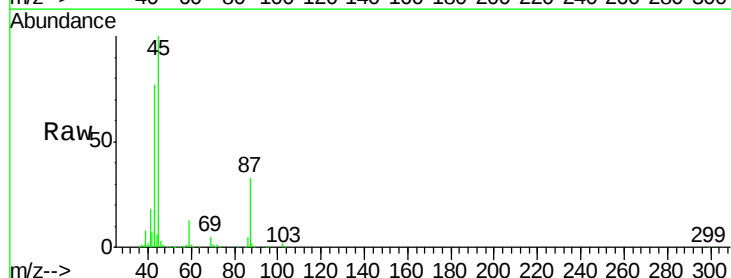
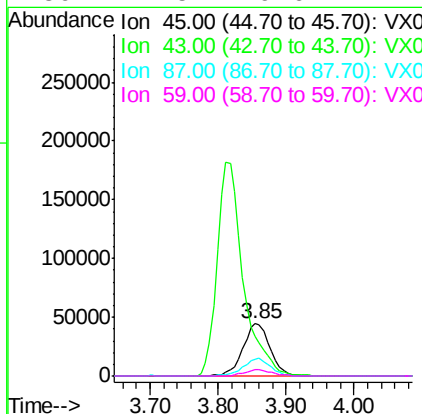
Ion Ratio Lower Upper

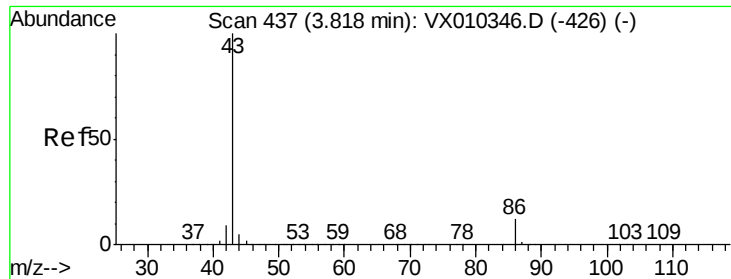
45 100

43 76.9 63.3 94.9

87 33.2 25.8 38.8

59 12.5 9.6 14.4





#23

Vinyl Acetate

Concen: 89.659 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 43 Resp: 485381

Ion Ratio Lower Upper

43 100

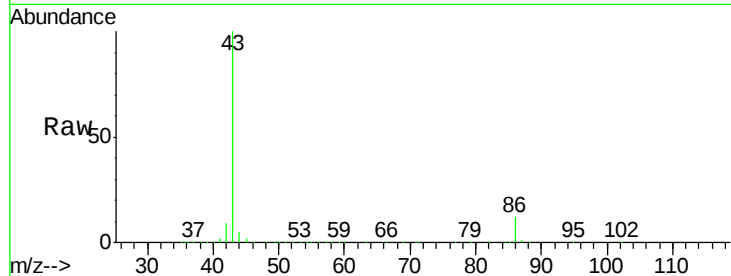
86 12.3 9.9 14.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

200000

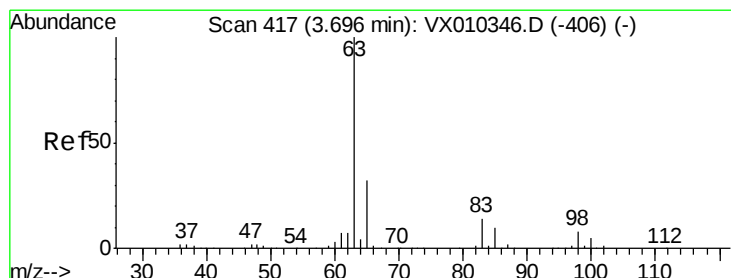
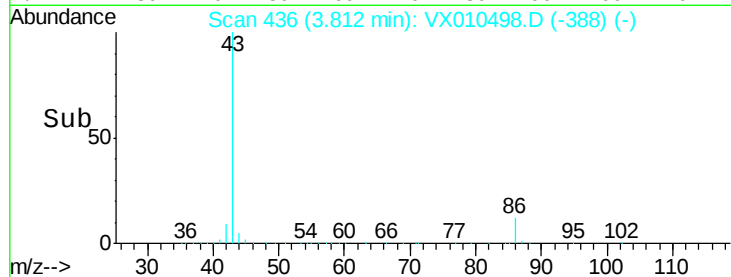
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.512 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

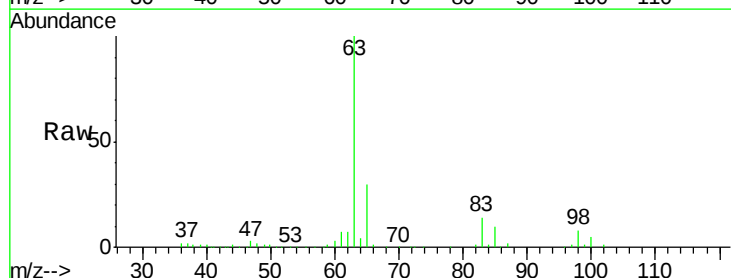
Tgt Ion: 63 Resp: 70679

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.7

100 5.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

40000

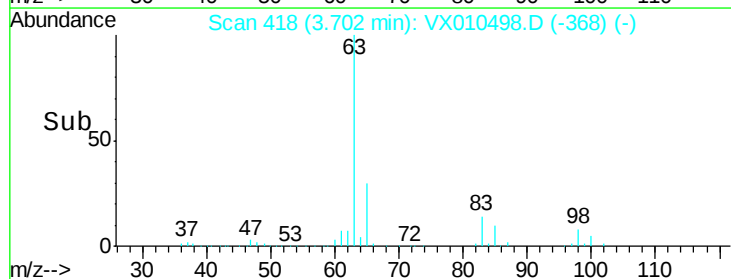
30000

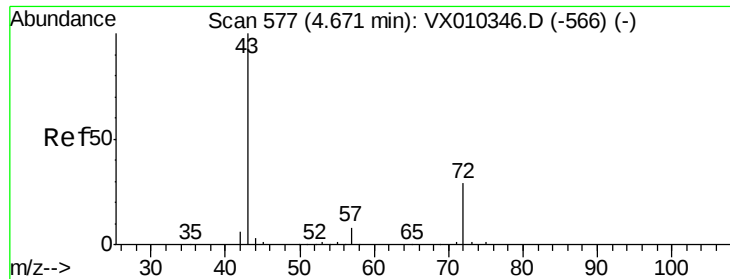
20000

10000

0

Time-->





#25

2-Butanone

Concen: 92.022 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 43 Resp: 154490

Ion Ratio Lower Upper

43 100

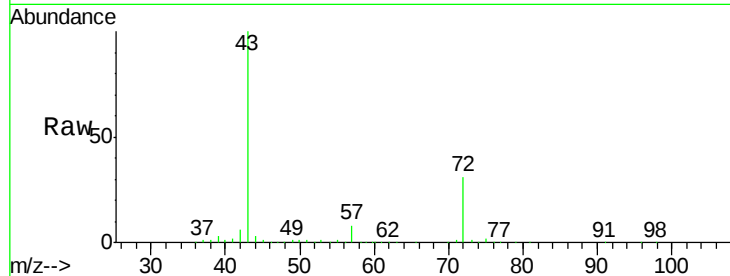
72 30.3 23.3 34.9

Manual Integrations

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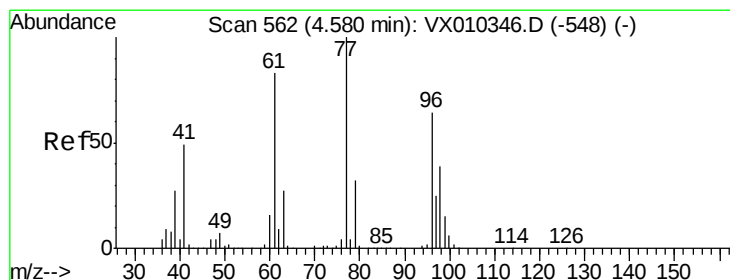
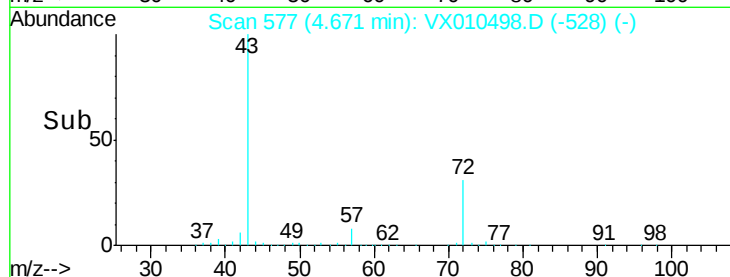
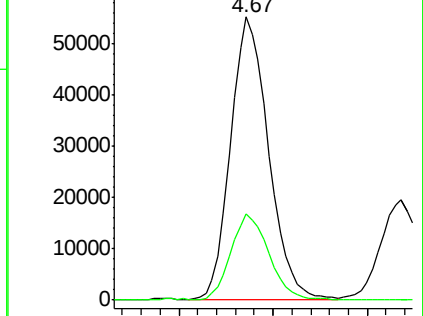
MMDadoda

6/28/2019 10:38:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 15.392 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010498.D

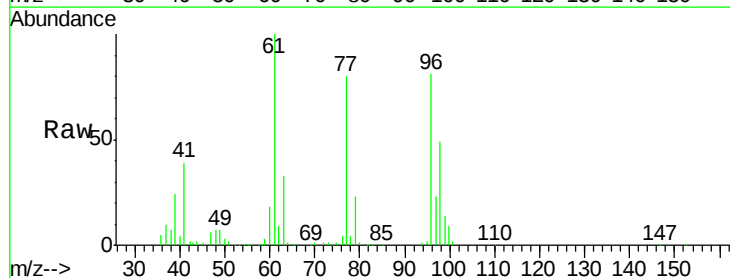
Acq: 27 Jun 2019 18:50

Tgt Ion: 77 Resp: 48435

Ion Ratio Lower Upper

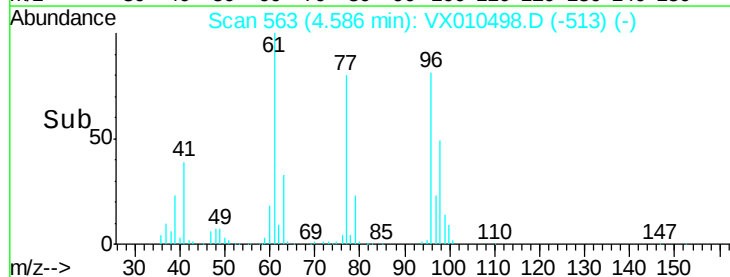
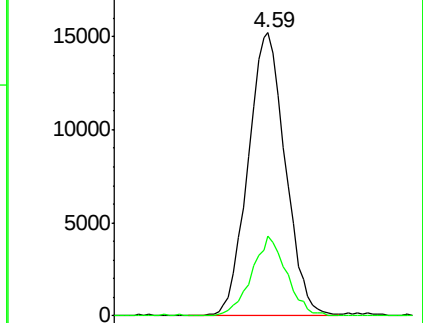
77 100

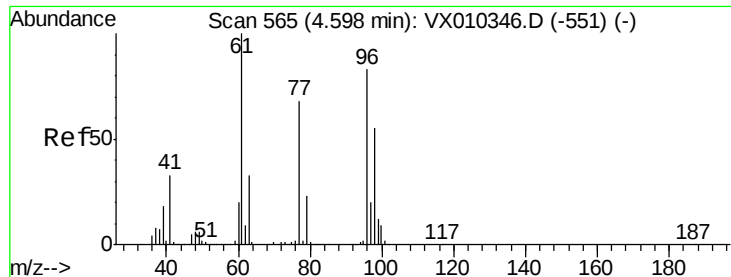
97 26.2 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

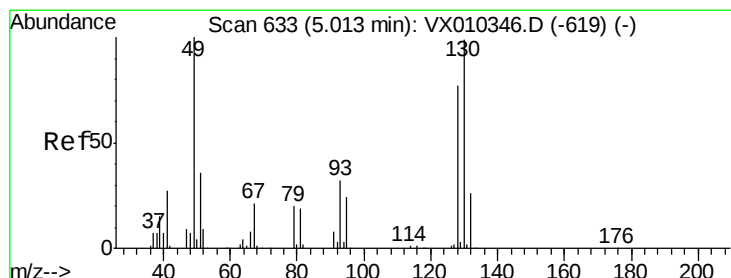
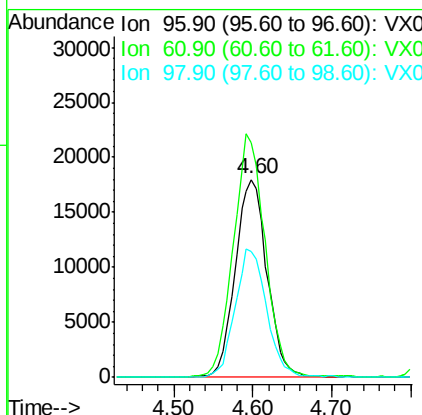
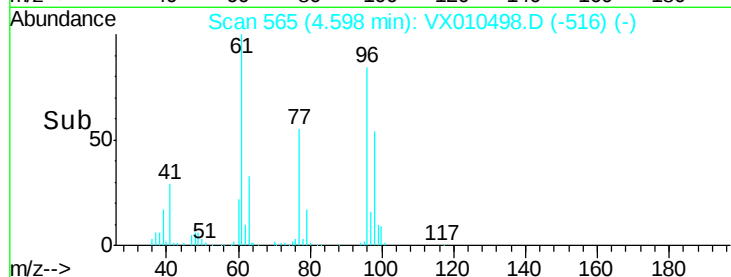
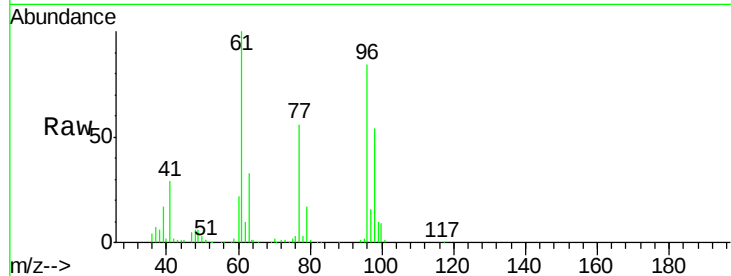
cis-1,2-Dichloroethene
 Concen: 19.248 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.2	0.0	251.8
98	64.4	0.0	129.4

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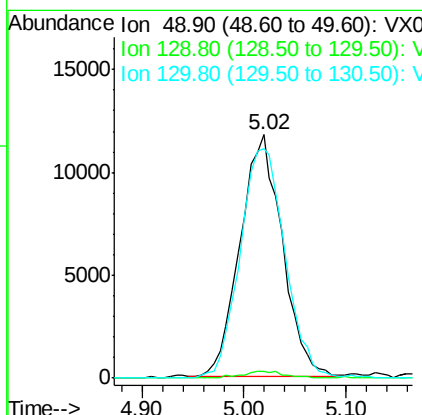
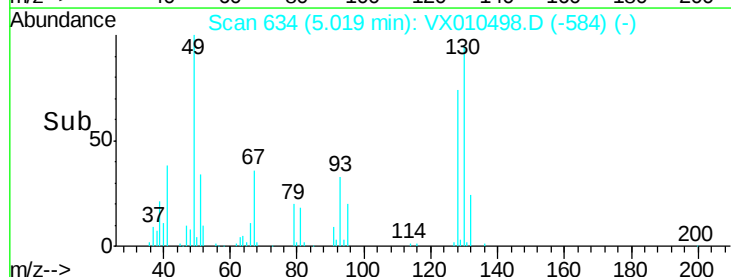
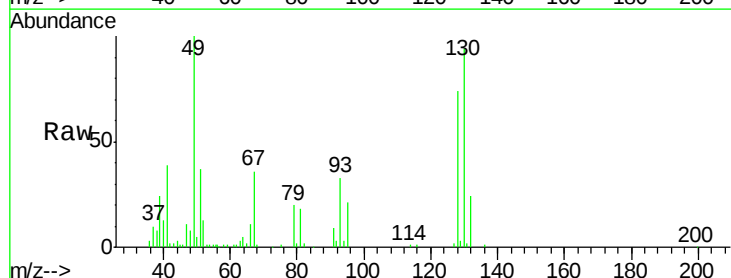
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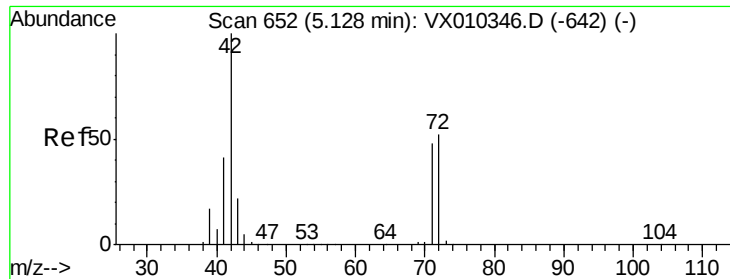


#28

Bromochloromethane
 Concen: 19.439 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	101.7	81.4	122.0





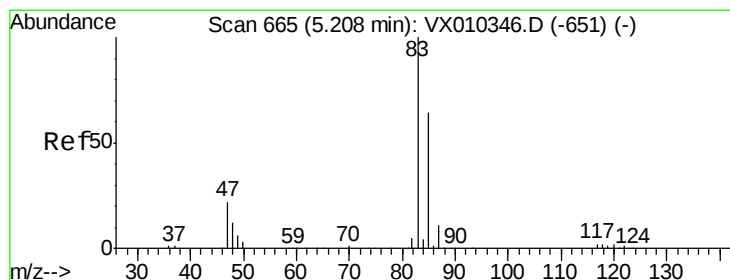
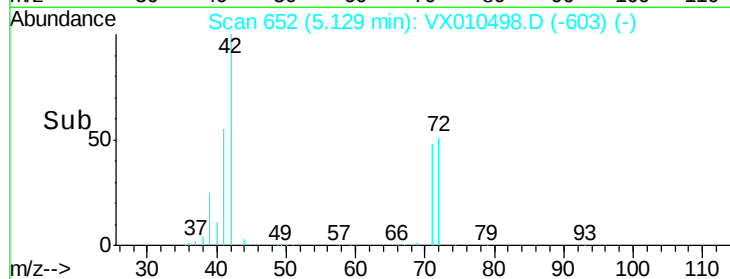
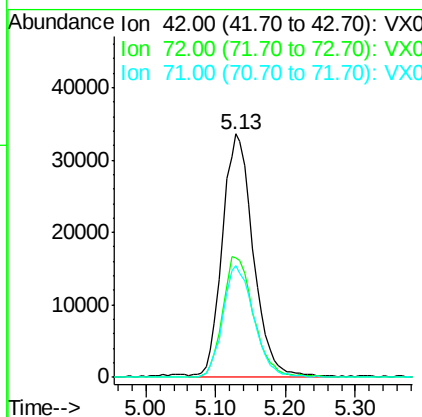
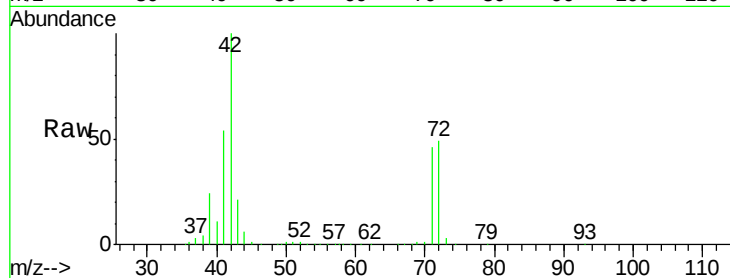
#29
Tetrahydrofuran
Concen: 98.141 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	40.6	60.8
71	46.3	37.8	56.8

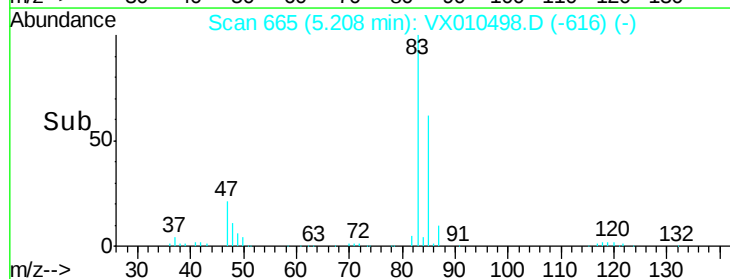
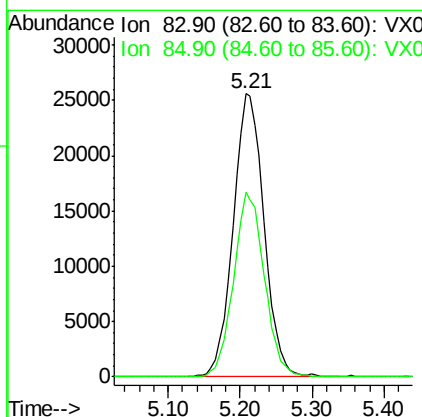
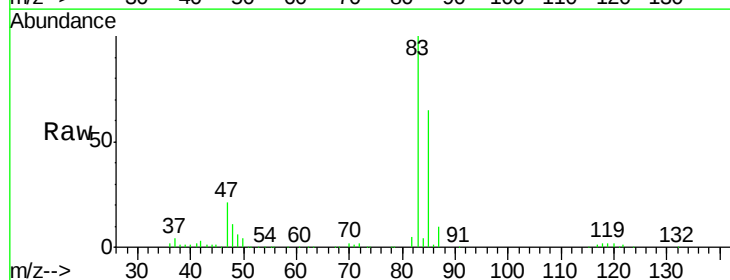
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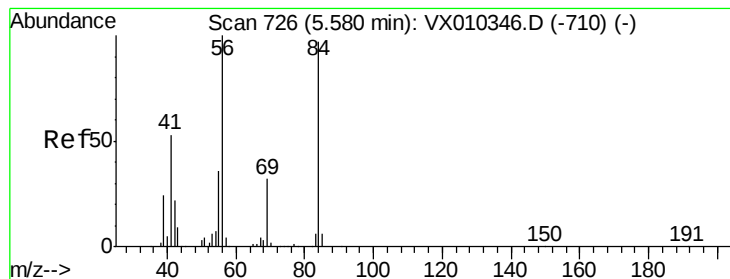
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#30
Chloroform
Concen: 19.509 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.9	76.3





#31

Cyclohexane

Concen: 18.154 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

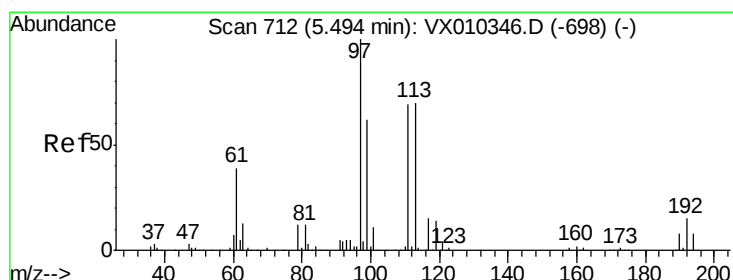
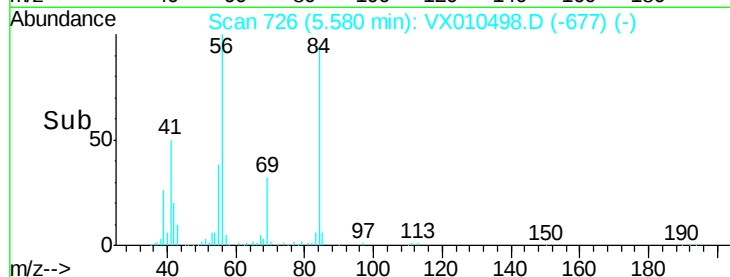
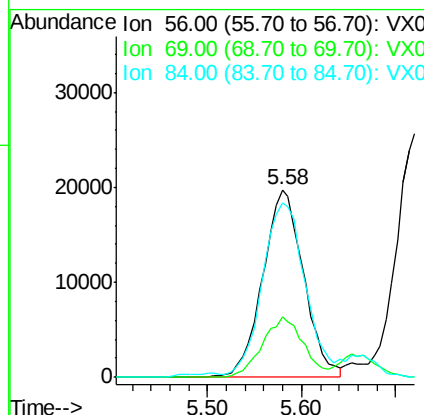
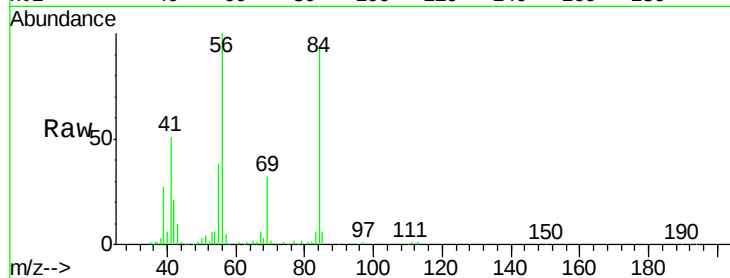
ClientSampleId :

VX0627WBSD01

Tot Ion:	56	Resp:	59882
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.9	38.9
84	91.4	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 18.942 ug/l

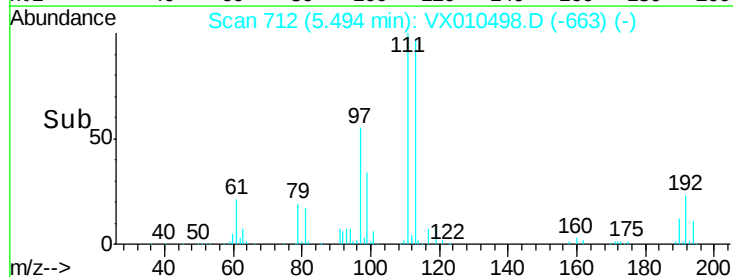
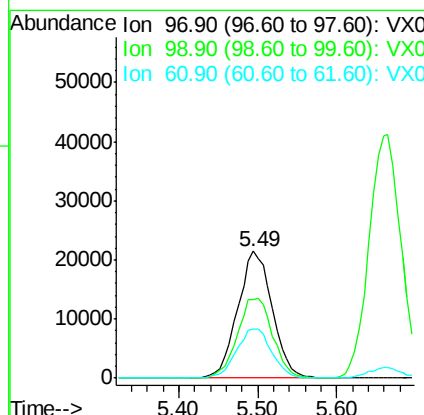
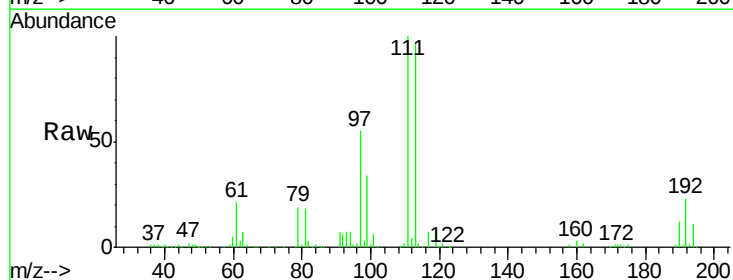
RT: 5.49 min Scan# 712

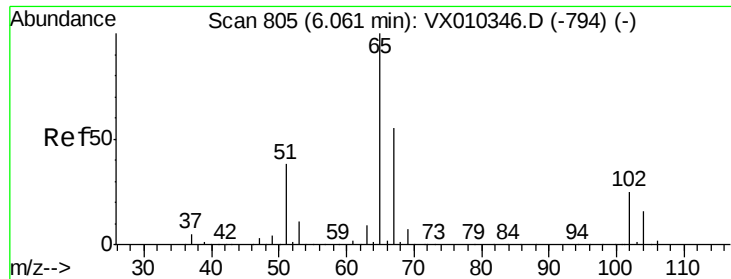
Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion:	97	Resp:	65185
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	39.9	32.1	48.1





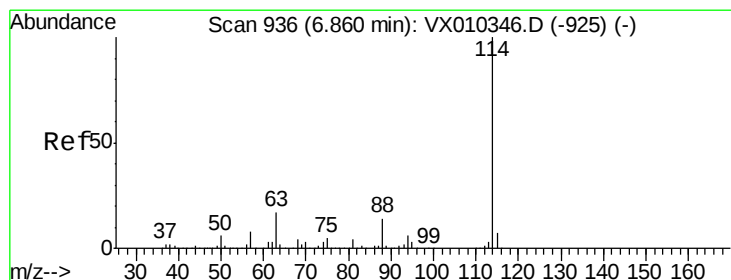
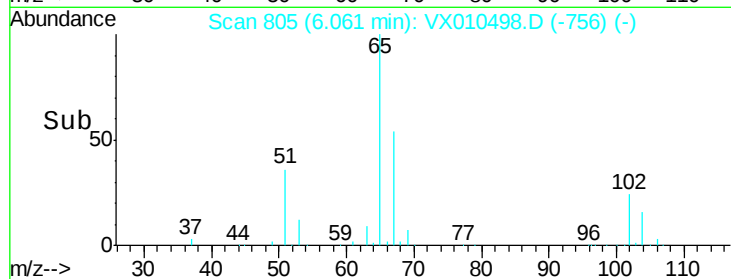
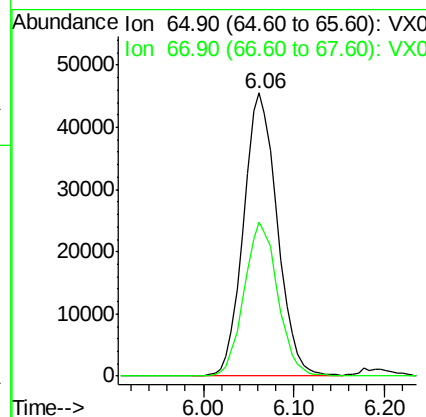
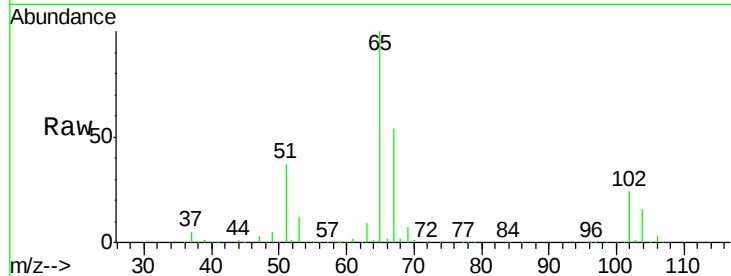
#33
 1,2-Dichloroethane-d4
 Concen: 51.381 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117337		
67	54.2	0.0	110.2	

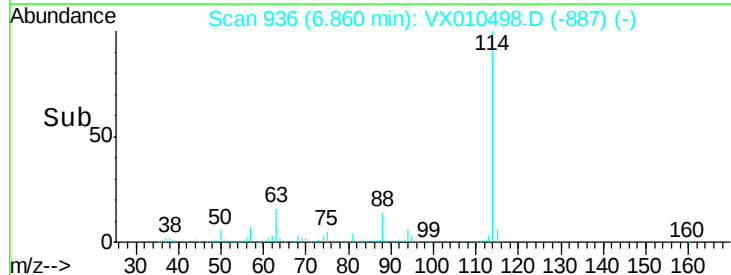
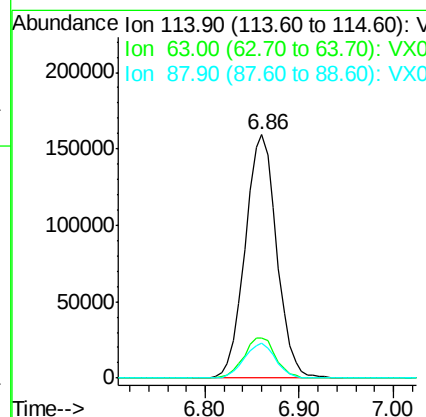
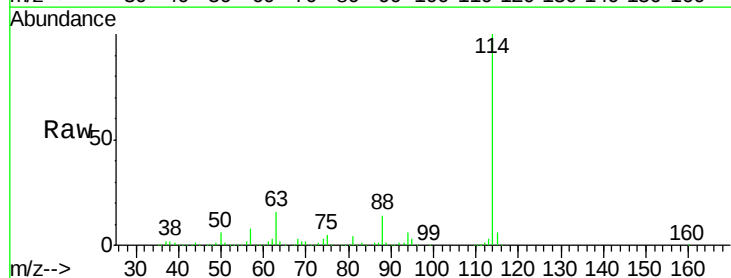
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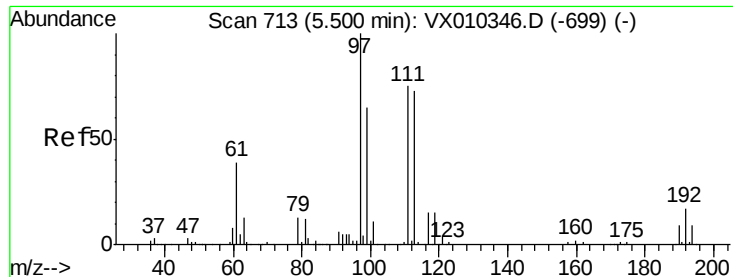
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	372720		
63	16.2	0.0	33.8	
88	14.5	0.0	27.6	





#35

Dibromofluoromethane

Concen: 50.525 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

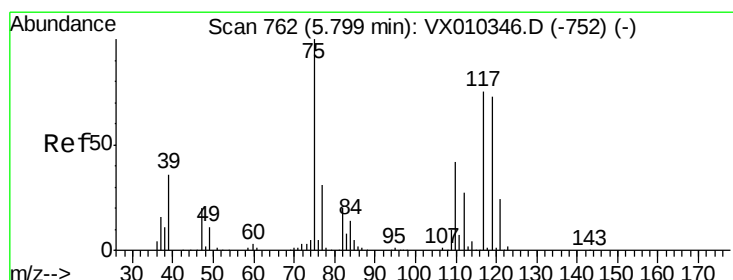
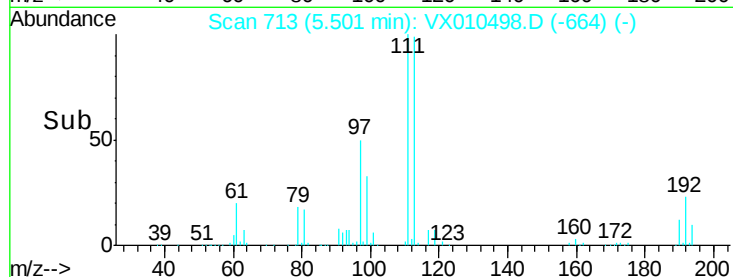
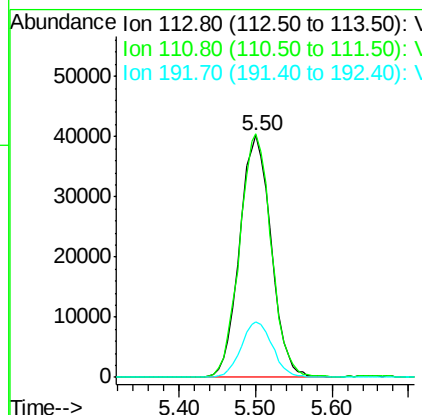
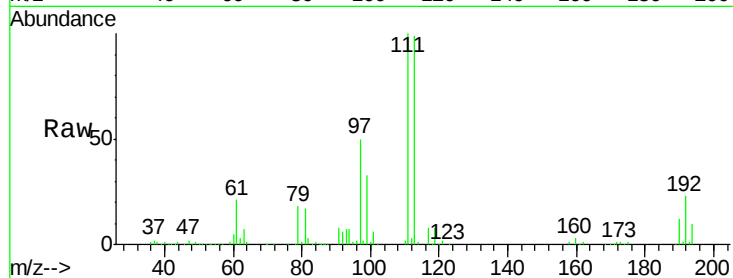
ClientSampleId :

VX0627WBSD01

Tot Ion:	113	Resp:	115220
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.2	121.8
192	22.9	18.6	27.8

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#36

1,1-Dichloropropene

Concen: 17.850 ug/l

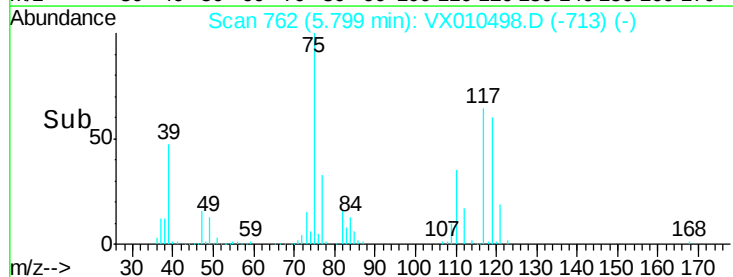
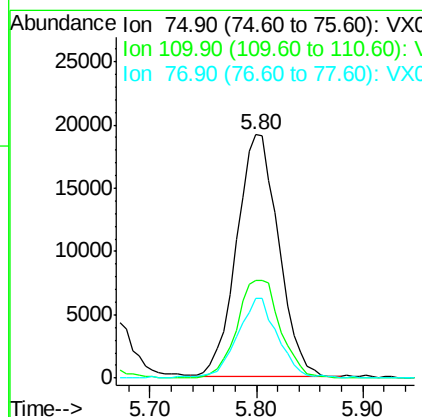
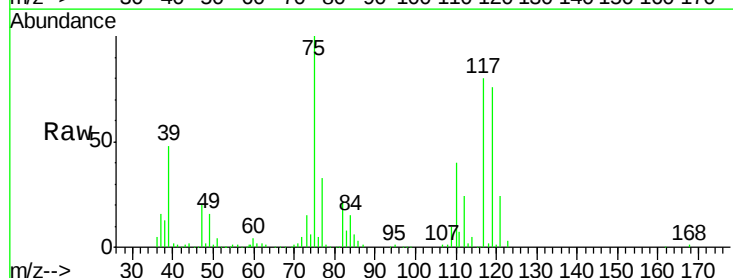
RT: 5.80 min Scan# 762

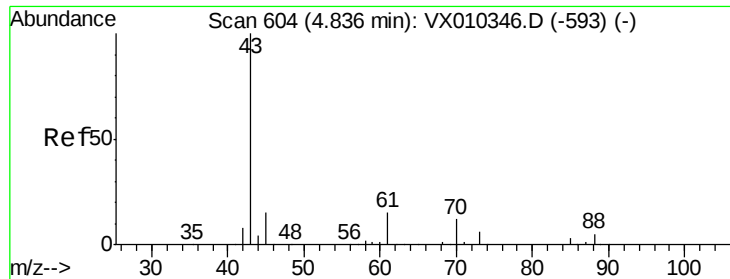
Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion:	75	Resp:	52868
Ion	Ratio	Lower	Upper
75	100		
110	42.0	20.8	62.2
77	31.8	25.4	38.0





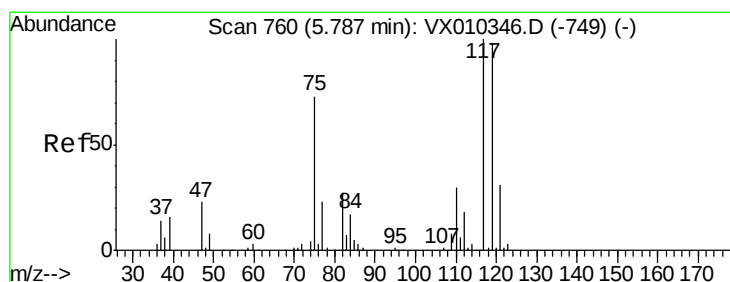
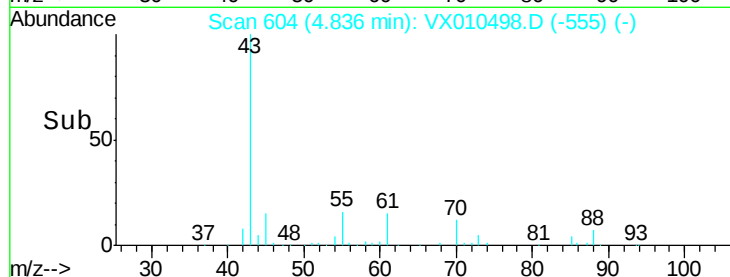
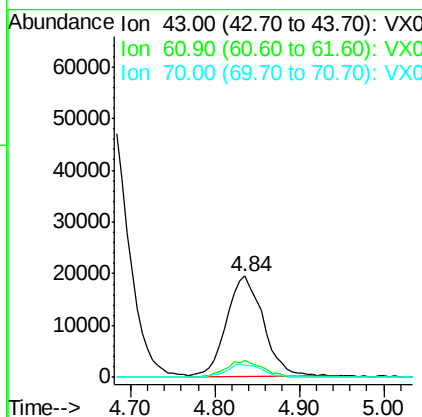
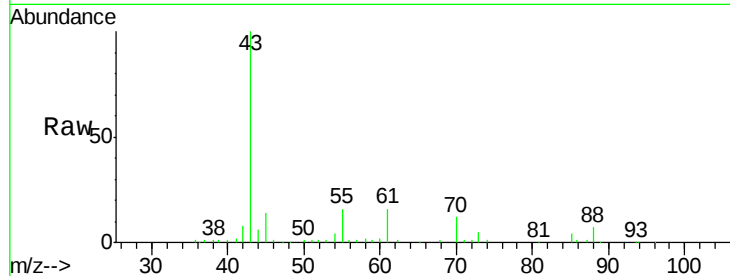
#37
Ethyl Acetate
Concen: 18.909 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion	43	Resp	57615
Ion Ratio	100	Lower	Upper
43	100		
61	16.1	12.4	18.6
70	13.0	9.8	14.8

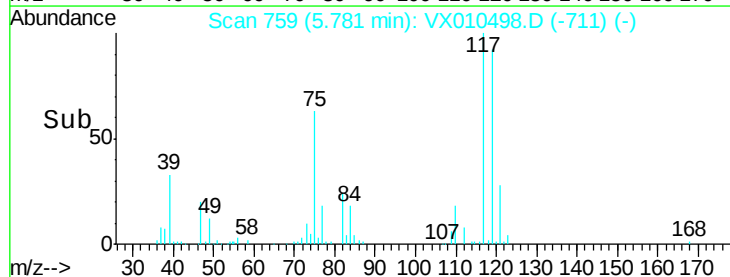
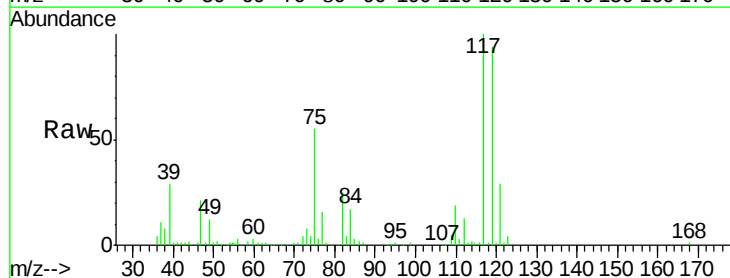
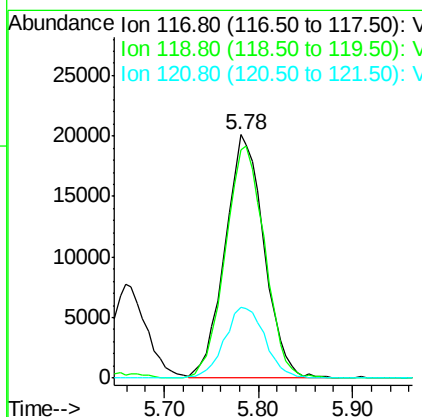
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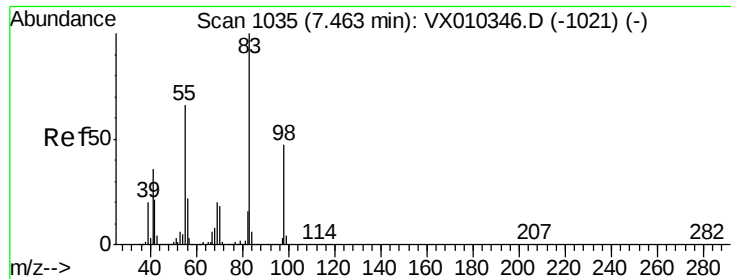
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#38
Carbon Tetrachloride
Concen: 17.969 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion	117	Resp	57631
Ion Ratio	100	Lower	Upper
117	100		
119	93.9	78.2	117.4
121	29.3	24.7	37.1





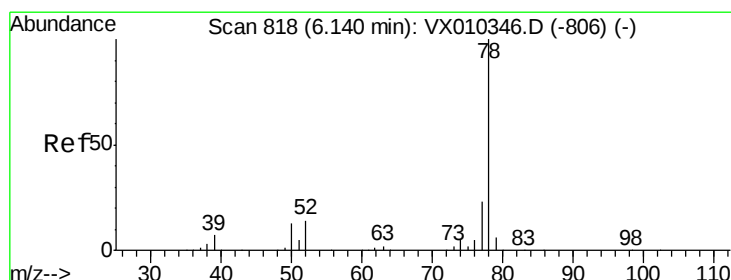
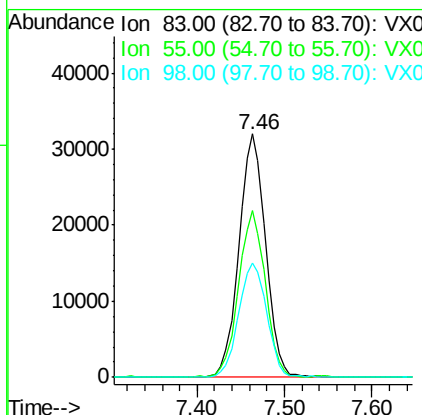
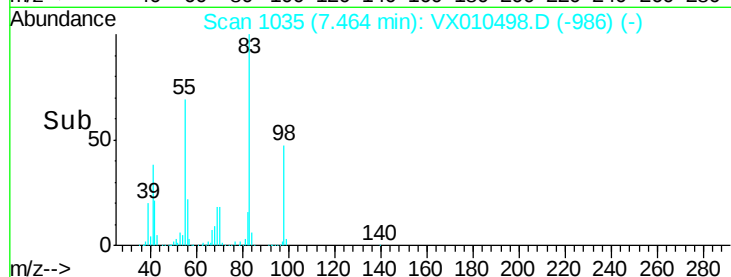
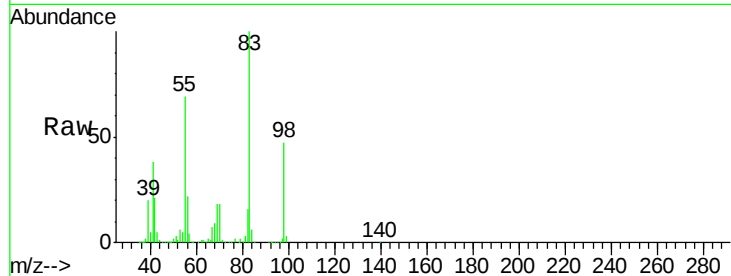
#39
Methvlcvclohexane
Concen: 17.365 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	53.0	79.6
98	47.2	37.8	56.8

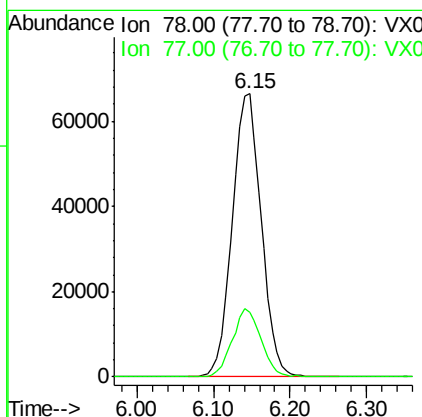
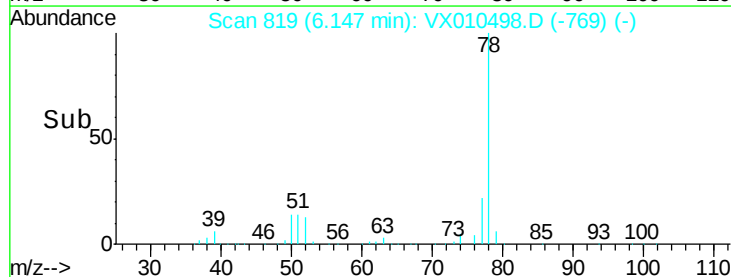
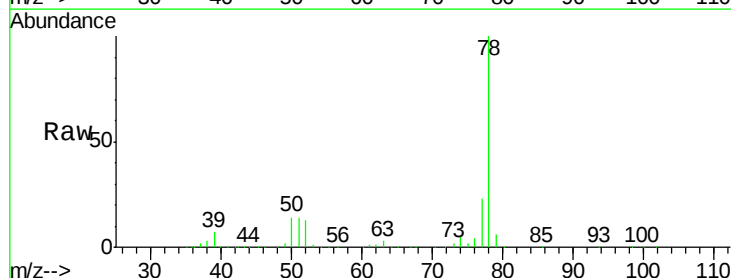
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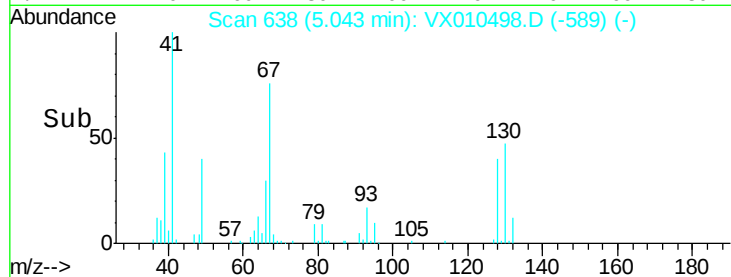
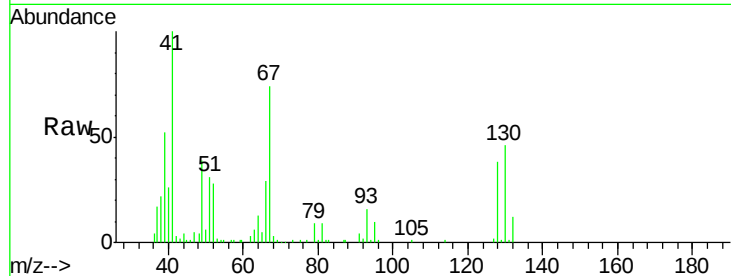
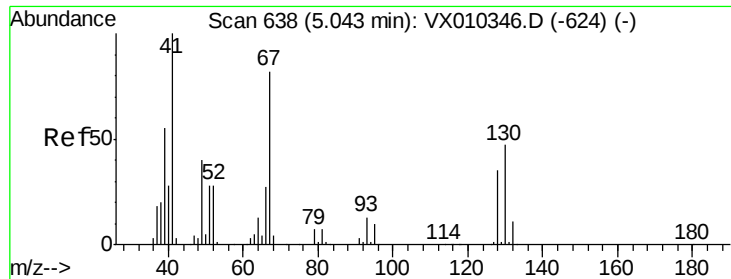
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#40
Benzene
Concen: 18.900 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	28.0





#41

Methacrylonitrile

Concen: 18.783 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tot Ion:	41	Resp:	31403
Ion	Ratio	Lower	Upper
41	100		
39	51.9	43.8	65.8
67	84.8	66.6	100.0
52	33.7	24.5	36.7

Instrument :

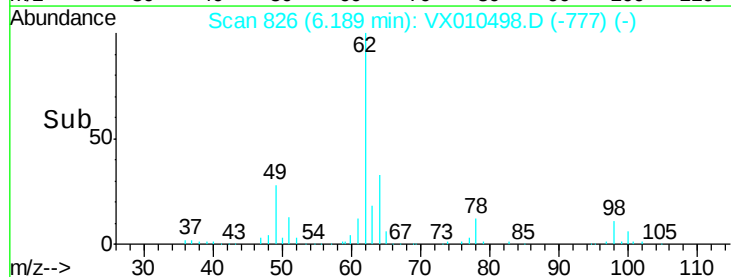
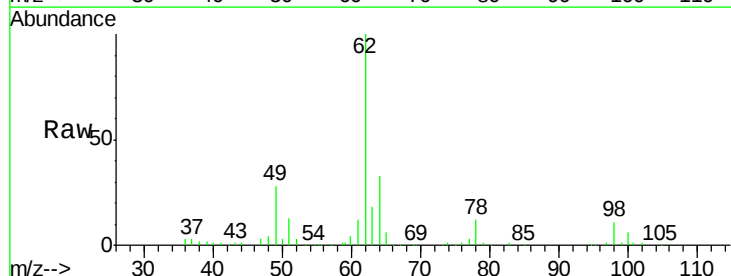
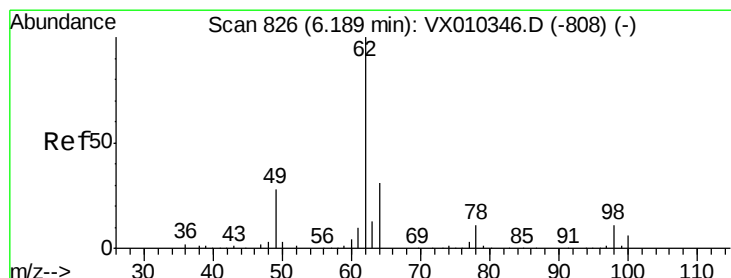
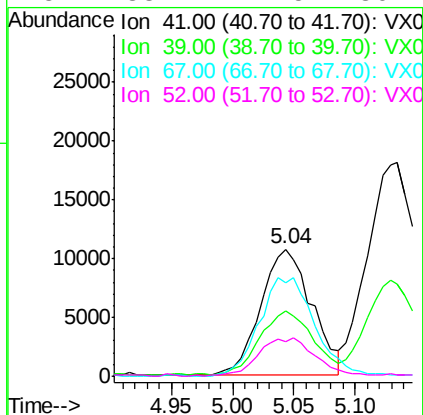
MSVOA_X

ClientSampleId :

VX0627WBSD01

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#42

1,2-Dichloroethane

Concen: 19.414 ug/l

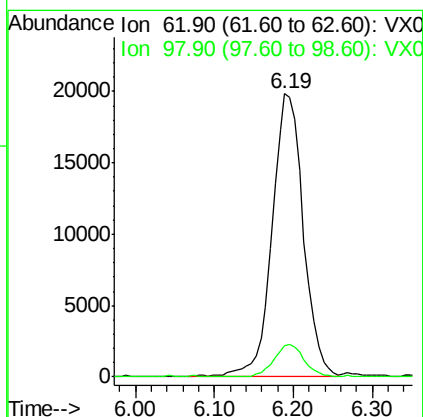
RT: 6.19 min Scan# 826

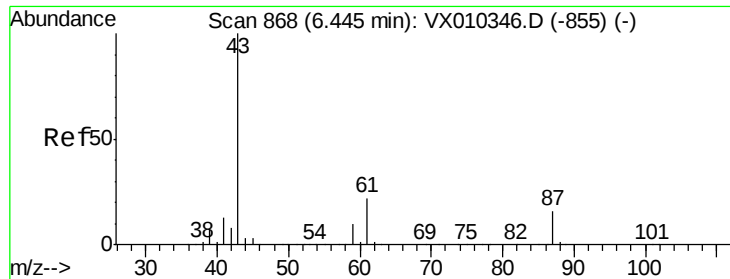
Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion:	62	Resp:	54530
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.2





#43

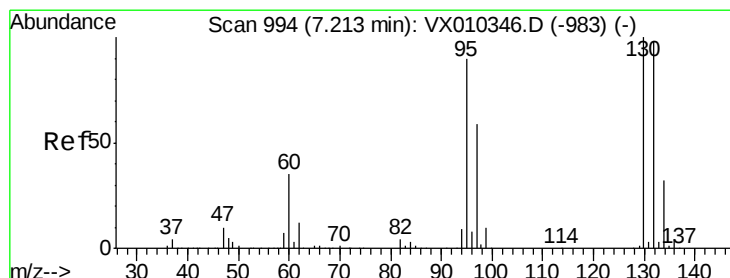
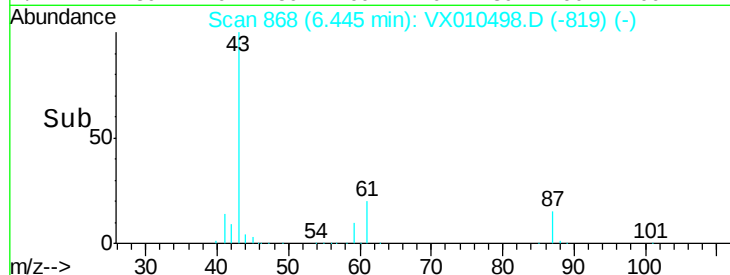
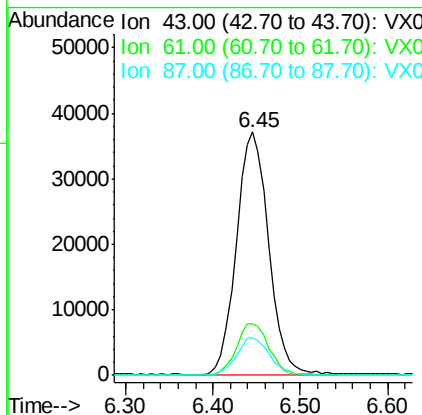
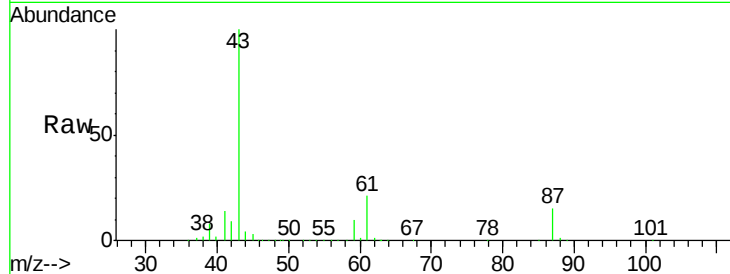
Isopropyl Acetate
 Concen: 18.741 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Tot Ion	43	61	87
Resp	94479		
Ratio	100	21.4	15.9
Lower		17.8	13.0
Upper		26.6	19.4

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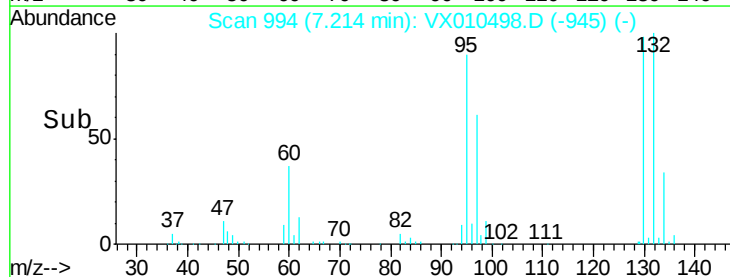
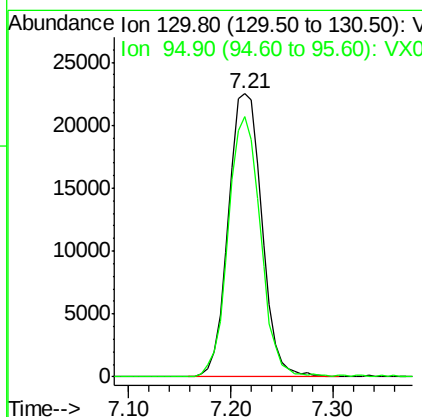
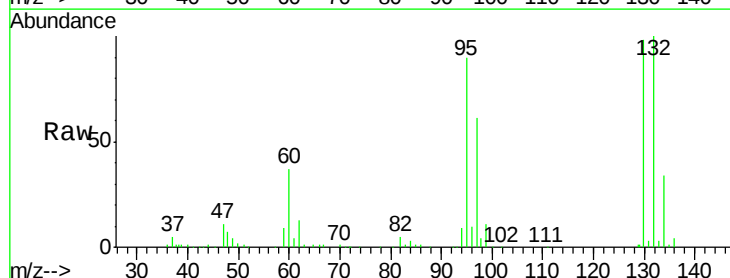
MMDadoda
 6/28/2019 10:38:20 AM

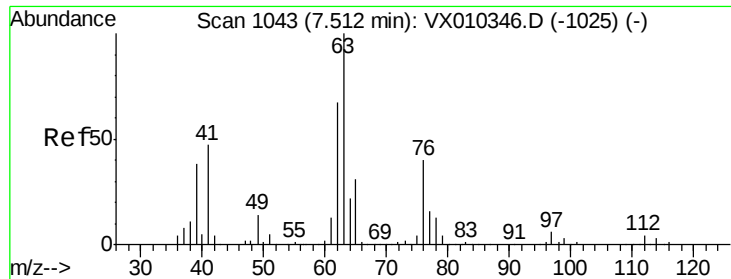


#44

Trichloroethene
 Concen: 18.543 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion	130	95
Resp	51199	
Ratio	100	91.9
Lower		0.0
Upper		180.8





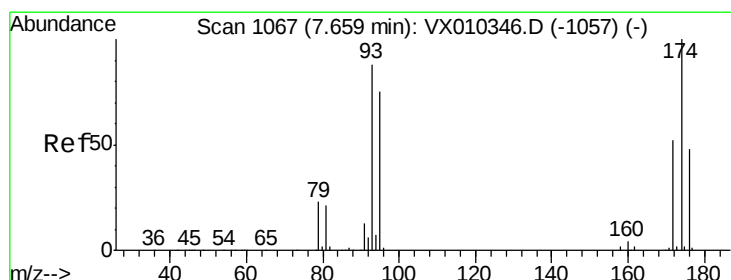
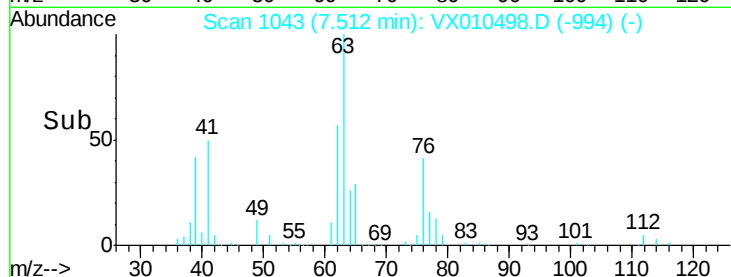
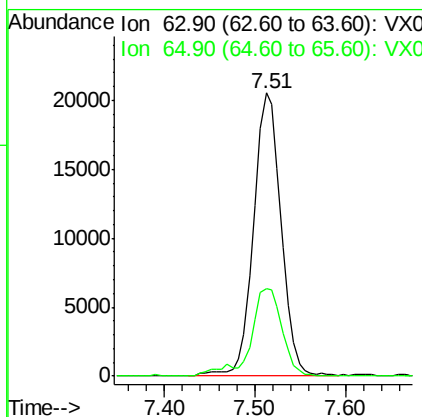
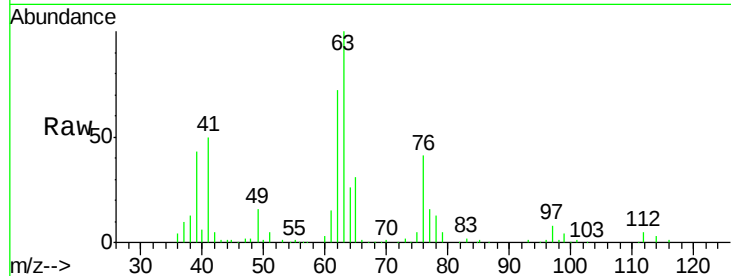
#45
 1,2-Dichloropropane
 Concen: 18.596 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Tot Ion: 63 Resp: 43333
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.8 37.2

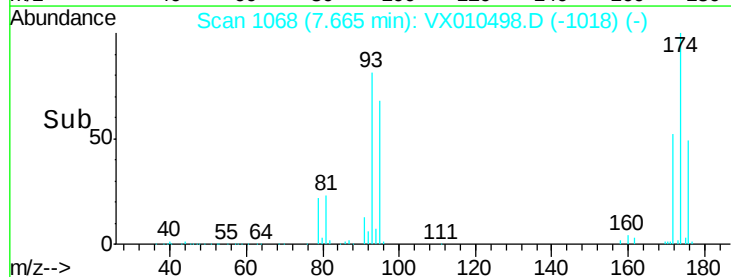
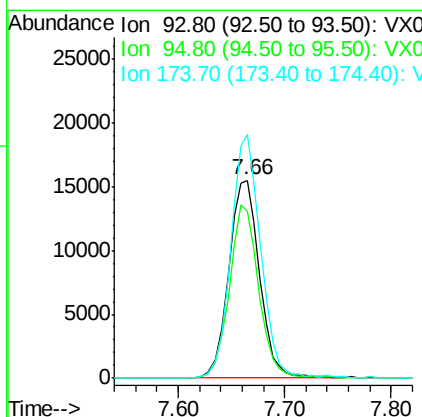
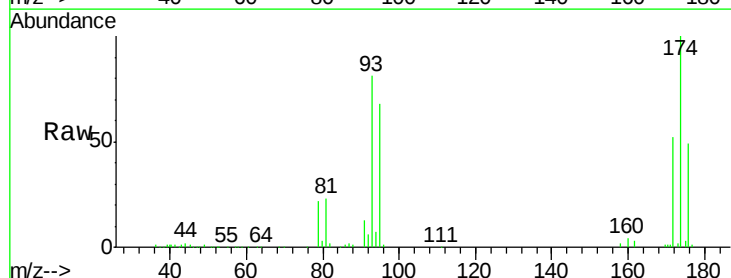
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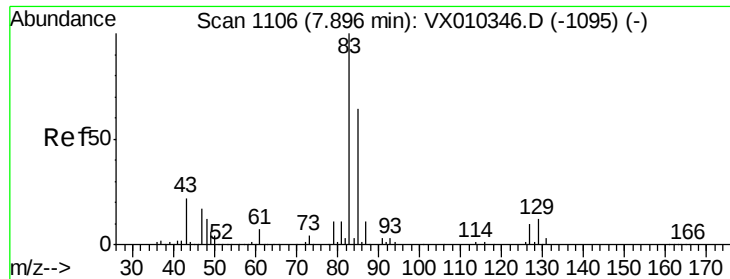
MMDadoda
 6/28/2019 10:38:20 AM



#46
 Dibromomethane
 Concen: 18.766 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion: 93 Resp: 31374
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.5 101.3
 174 118.8 95.8 143.6





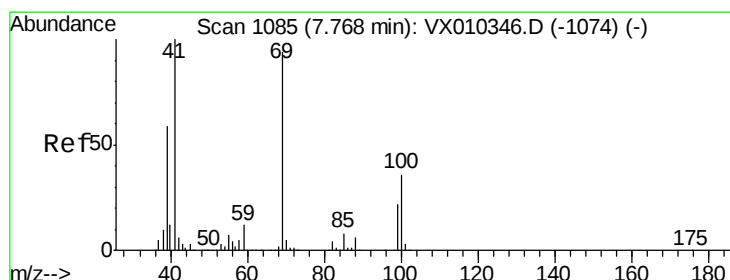
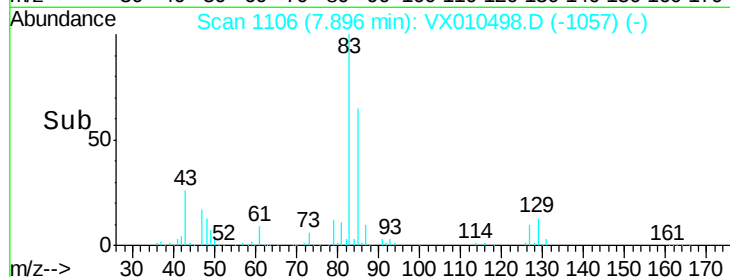
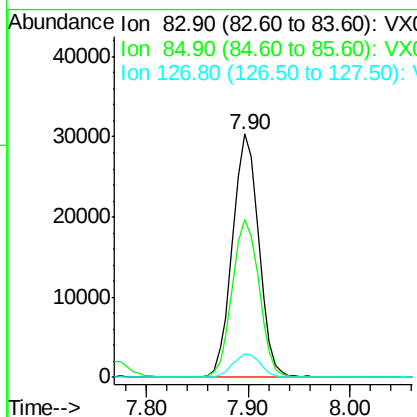
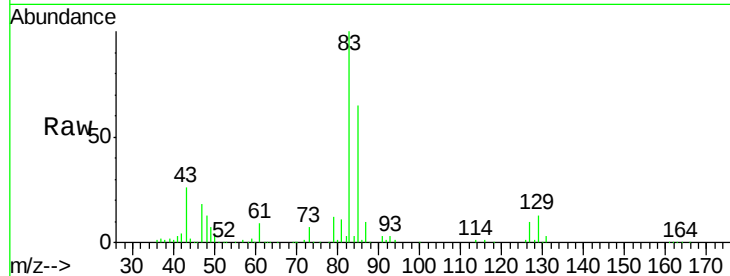
#47
Bromodichloromethane
Concen: 17.645 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion	83	Resp	54064
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	51.5	77.3
127	9.7	7.8	11.8

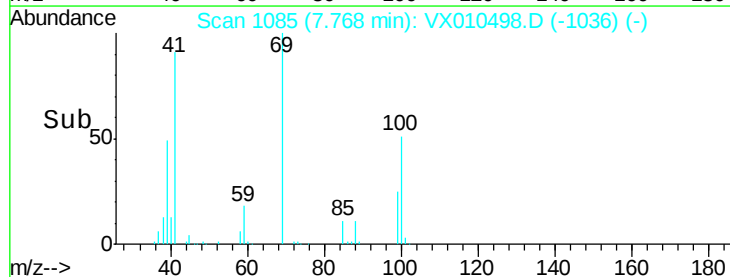
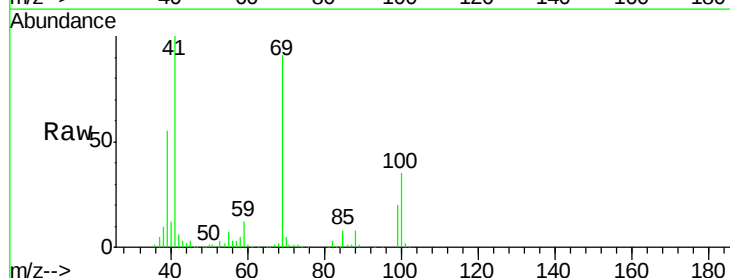
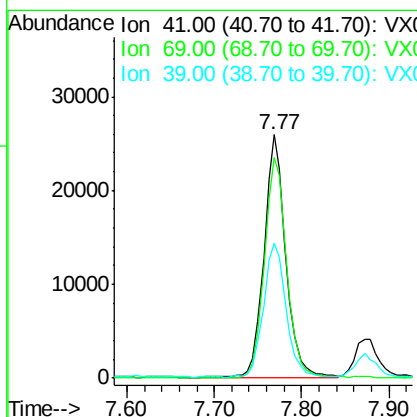
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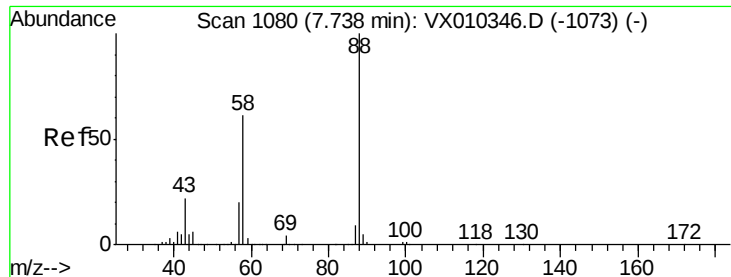
MMDadoda
6/28/2019 10:38:20 AM



#48
Methyl methacrylate
Concen: 19.169 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion	41	Resp	44918
Ion Ratio	100	Lower	Upper
41	100		
69	93.9	76.1	114.1
39	57.8	47.6	71.4





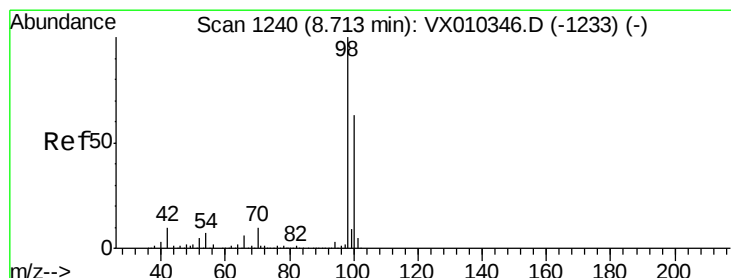
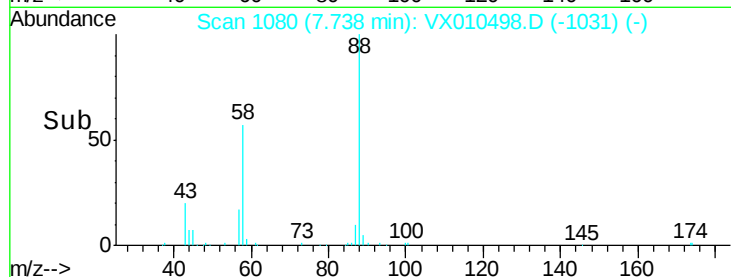
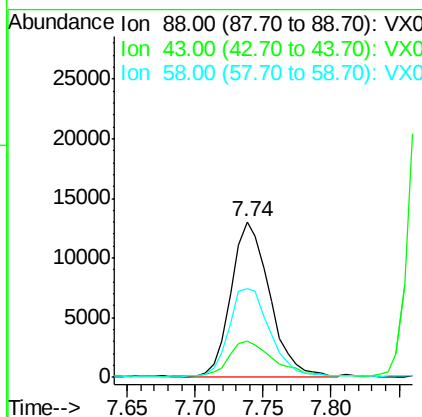
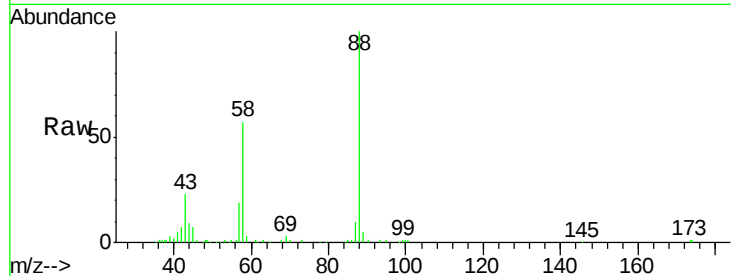
#49
 1,4-Dioxane
 Concen: 386.059 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.5	20.2	30.2
58	59.5	49.5	74.3

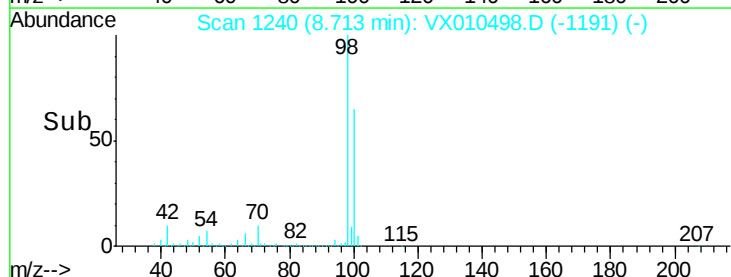
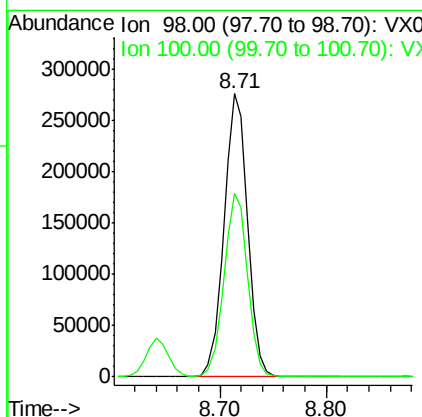
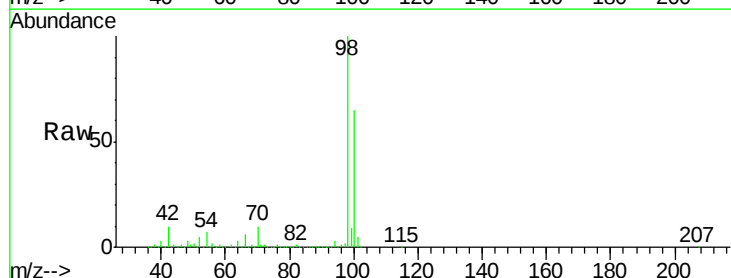
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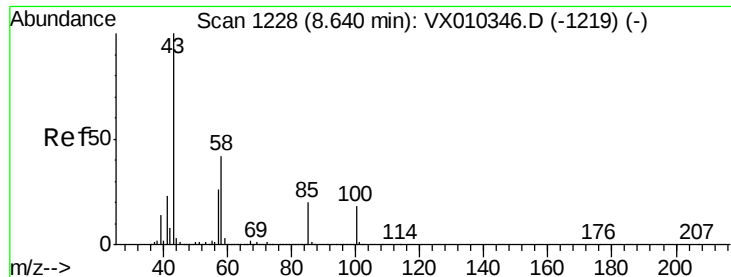
MMDadoda
 6/28/2019 10:38:20 AM



#50
 Toluene-d8
 Concen: 48.999 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 96.789 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 43 Resp: 312064

Ion Ratio Lower Upper

43 100

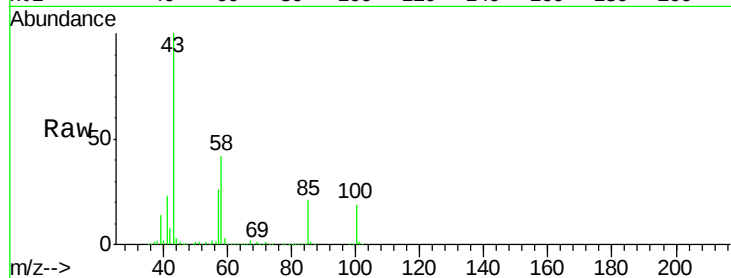
58 41.6 33.5 50.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

200000

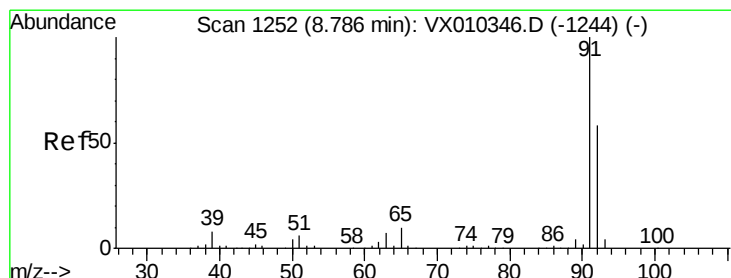
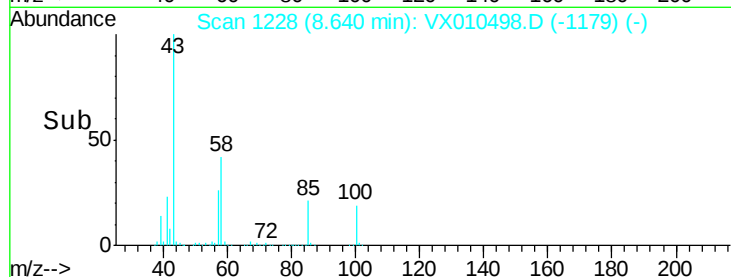
150000

100000

50000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 18.726 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010498.D

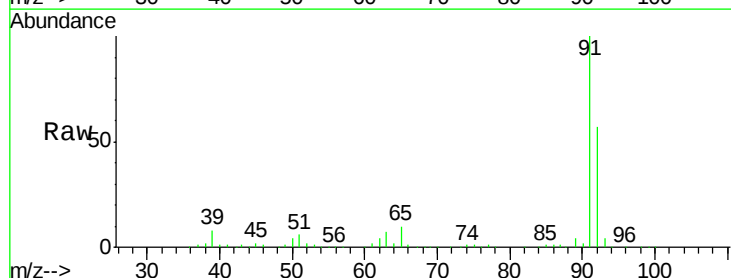
Acq: 27 Jun 2019 18:50

Tgt Ion: 92 Resp: 113792

Ion Ratio Lower Upper

92 100

91 174.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

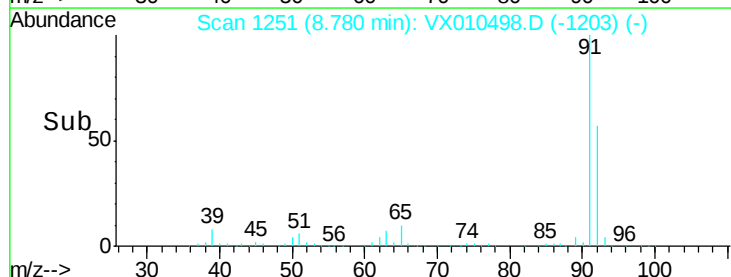
150000

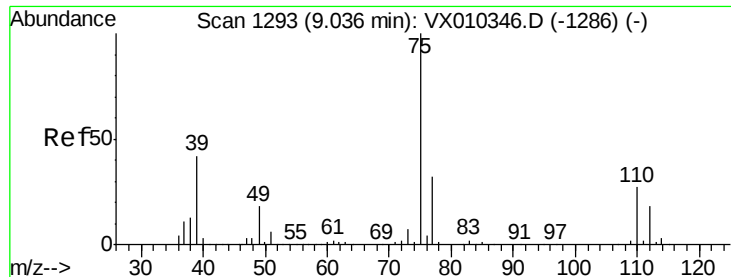
100000

50000

0

Time--> 8.70 8.75 8.80 8.85





#53

t-1,3-Dichloropropene

Concen: 16.547 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 75 Resp: 56841

Ion Ratio Lower Upper

75 100

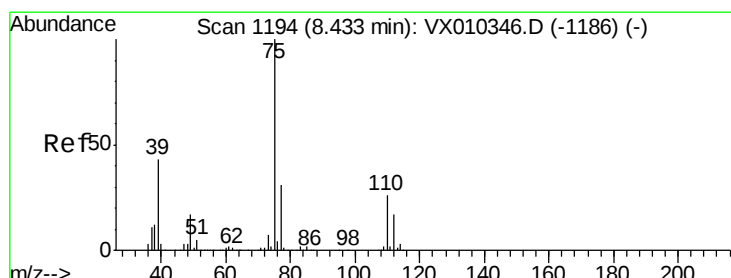
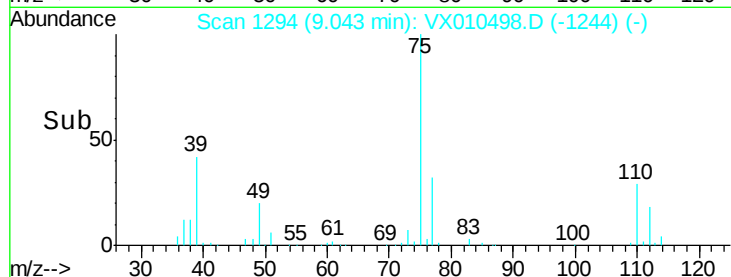
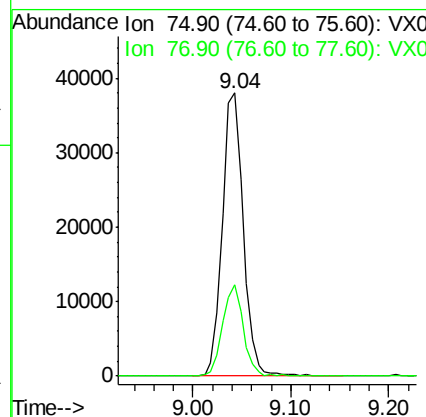
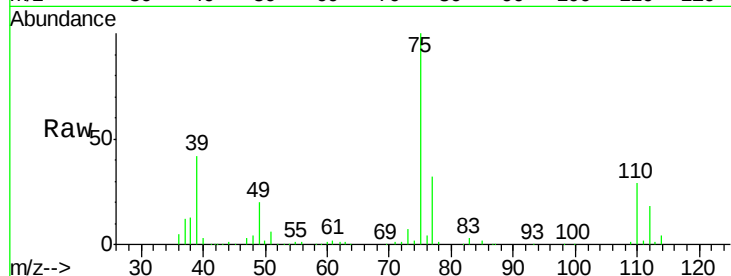
77 32.3 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 17.234 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

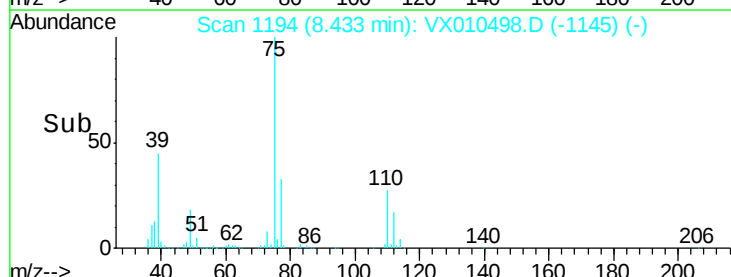
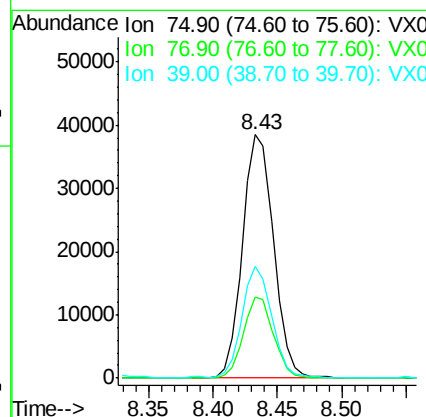
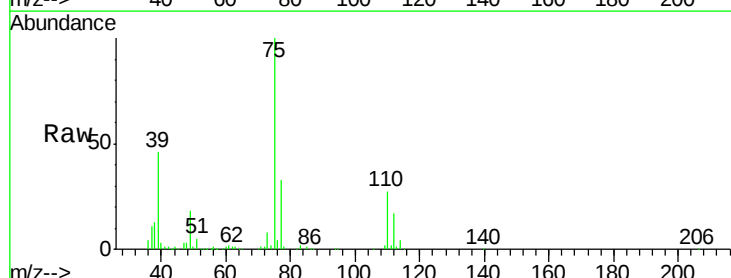
Tgt Ion: 75 Resp: 64334

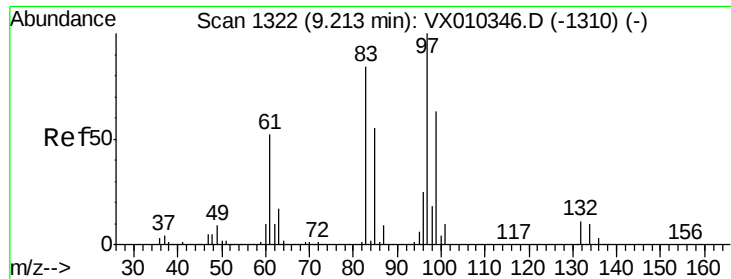
Ion Ratio Lower Upper

75 100

77 33.1 25.2 37.8

39 45.4 34.5 51.7





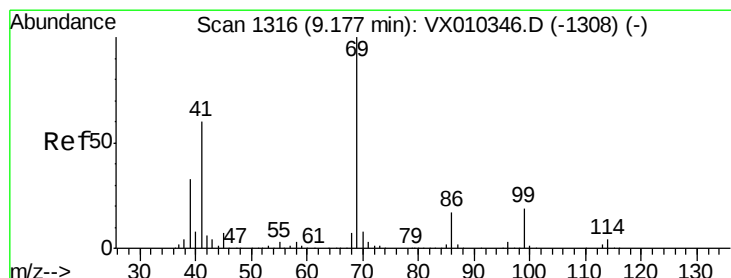
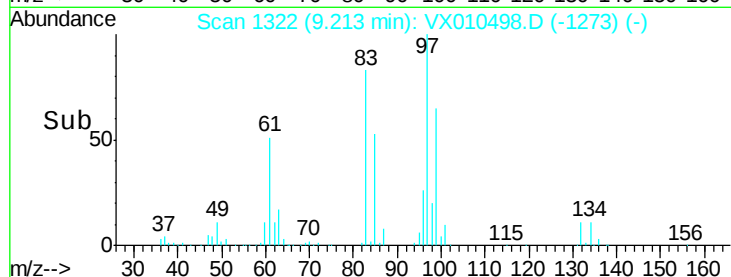
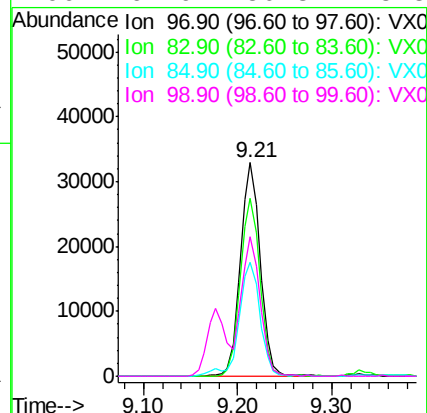
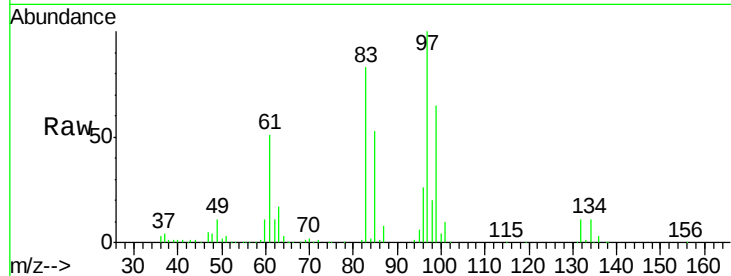
#55
 1,1,2-Trichloroethane
 Concen: 19.228 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		48187		
83	83.3	67.4	101.0		
85	52.9	43.8	65.8		
99	64.9	50.3	75.5		

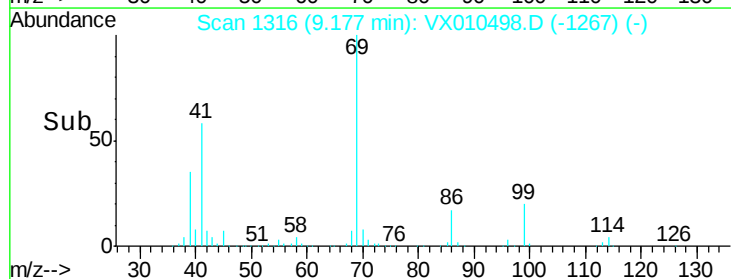
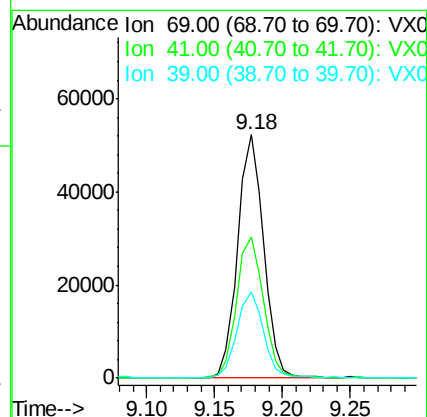
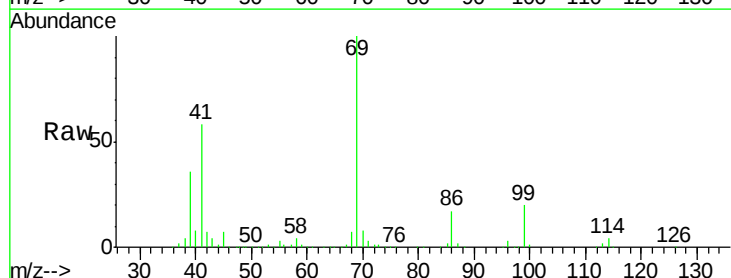
Manual Integrations
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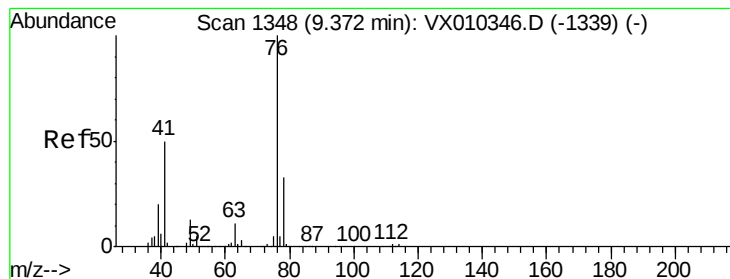
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#56
 Ethyl methacrylate
 Concen: 18.405 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		69876		
41	59.8	47.1	70.7		
39	35.4	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 19.088 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 76 Resp: 74259

Ion Ratio Lower Upper

76 100

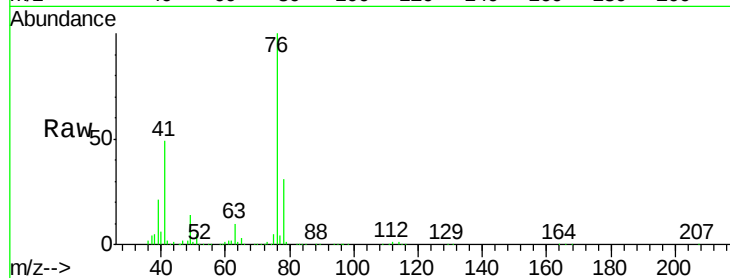
78 33.3 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

60000

50000

40000

30000

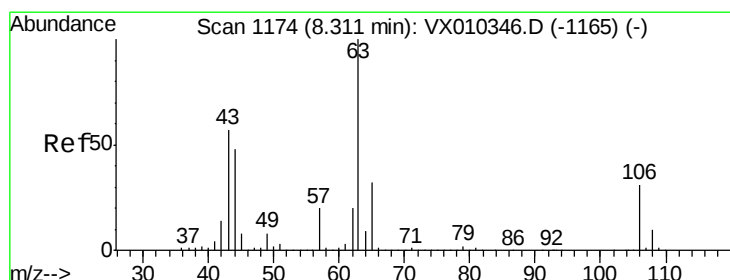
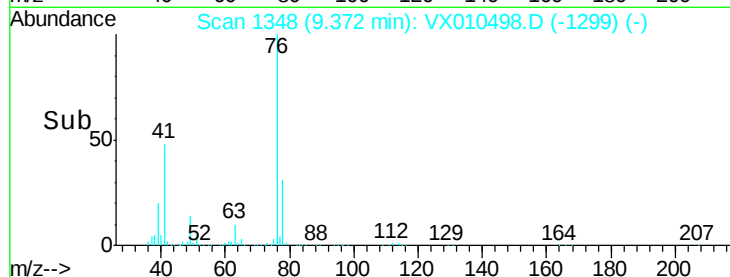
20000

10000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 94.241 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010498.D

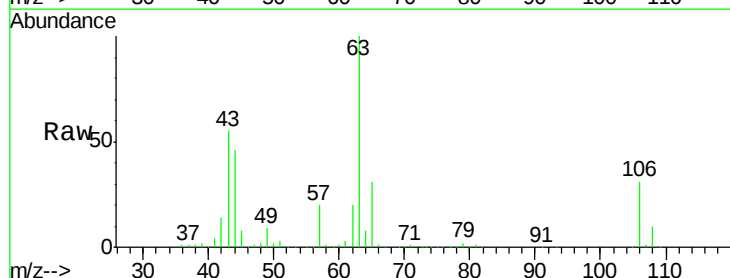
Acq: 27 Jun 2019 18:50

Tgt Ion: 63 Resp: 169922

Ion Ratio Lower Upper

63 100

106 31.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

120000

100000

80000

60000

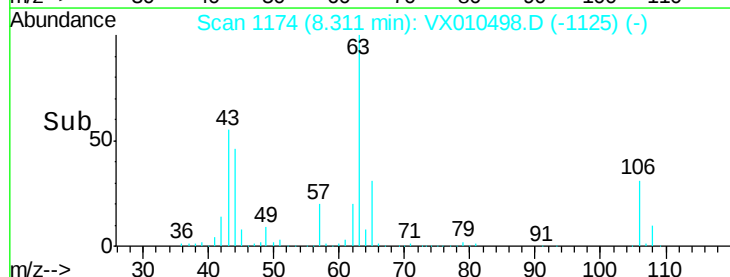
40000

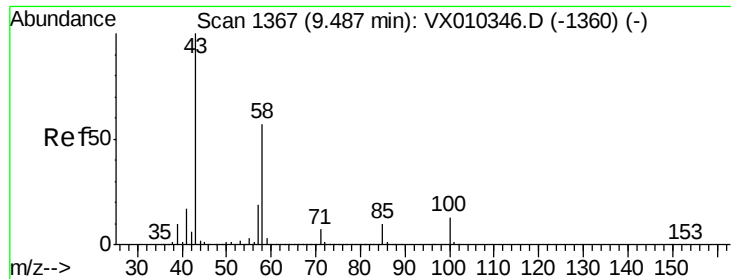
20000

0

8.25 8.30 8.35 8.40

Time-->





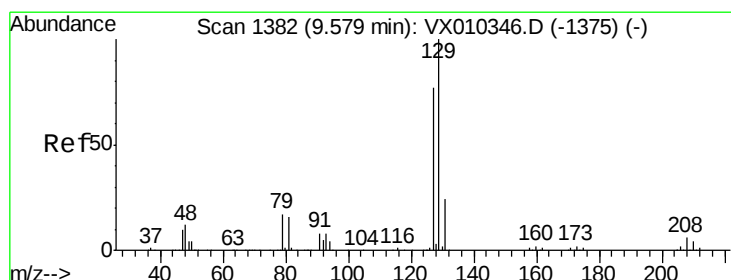
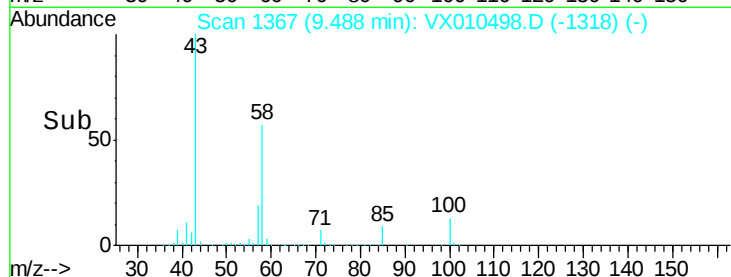
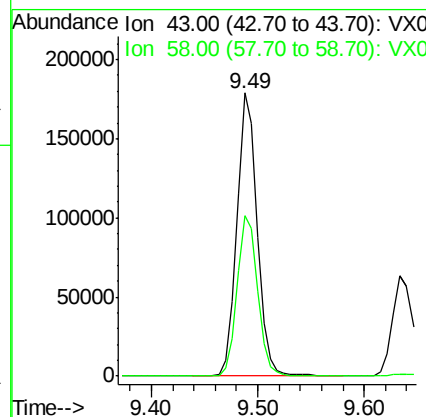
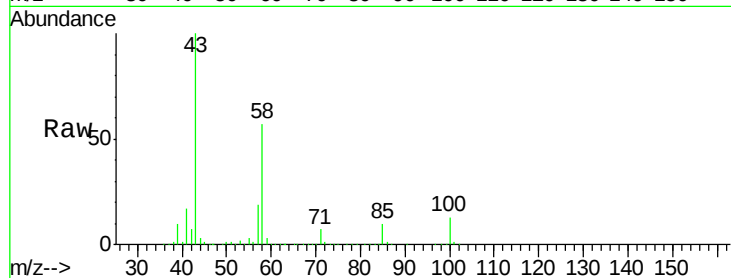
#59
2-Hexanone
Concen: 94.022 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion: 43 Resp: 238585
Ion Ratio Lower Upper
43 100
58 58.2 29.0 87.1

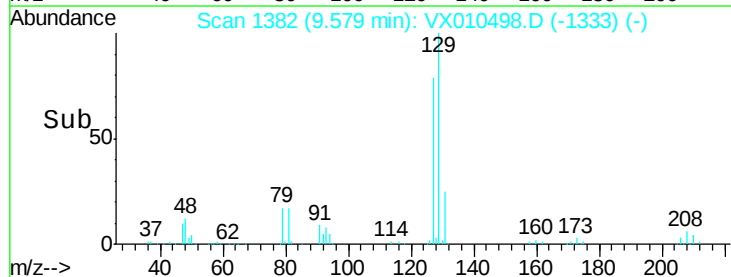
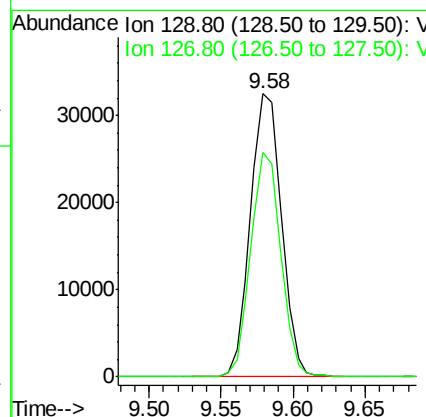
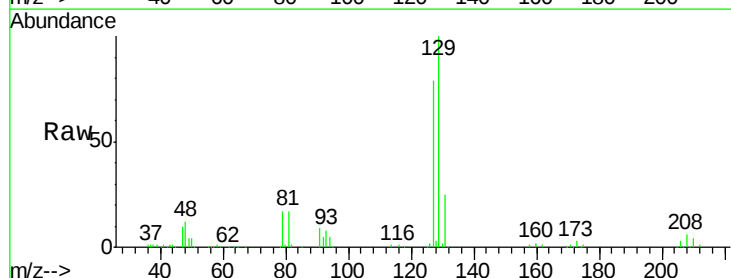
Manual Integrations
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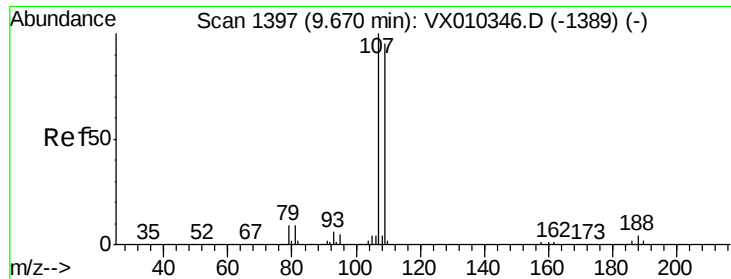
MMDadoda
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#60
Dibromochloromethane
Concen: 17.264 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion: 129 Resp: 48443
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 18.373 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion:107 Resp: 49700

Ion Ratio Lower Upper

107 100

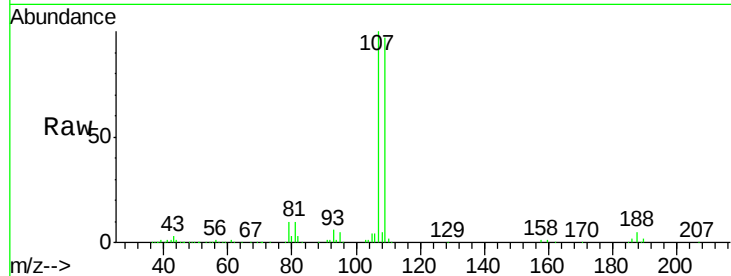
109 96.7 75.8 113.6

Manual Integrations

APPROVED

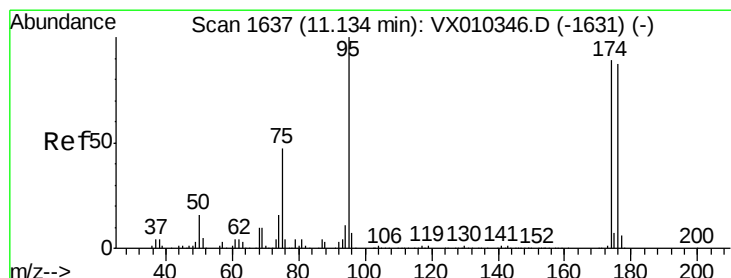
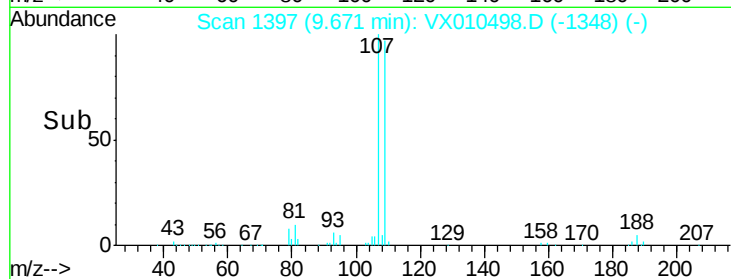
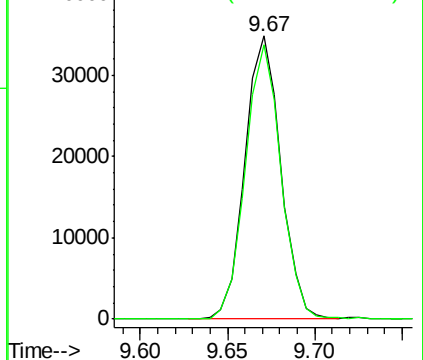
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.437 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

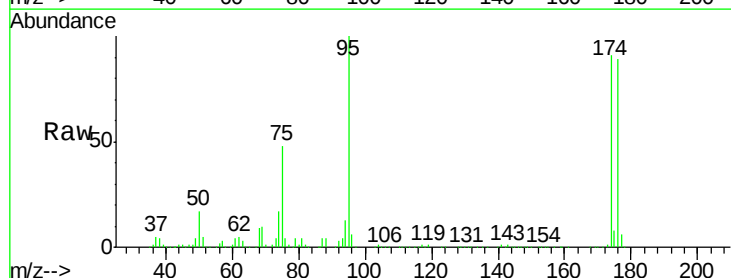
Tgt Ion: 95 Resp: 152565

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.6

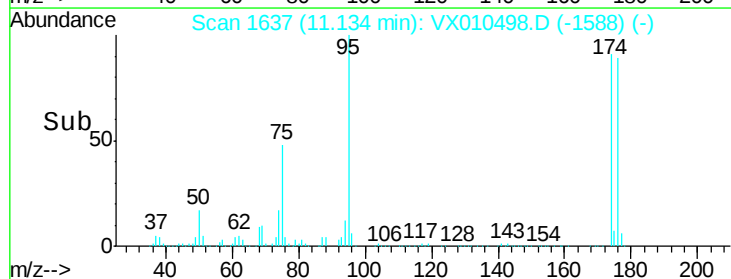
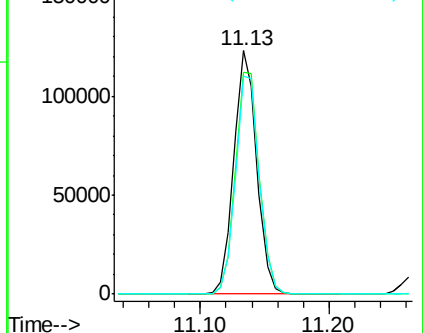
176 92.6 0.0 184.0

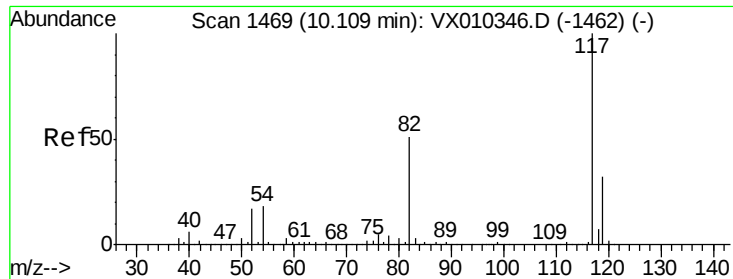


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





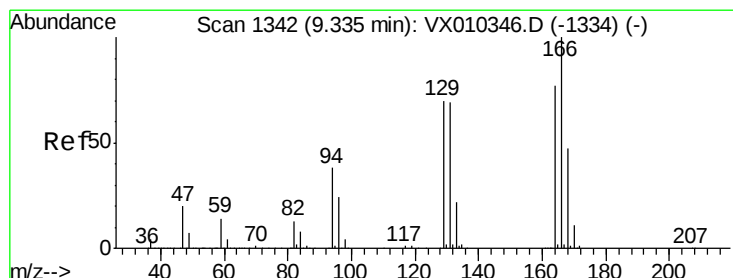
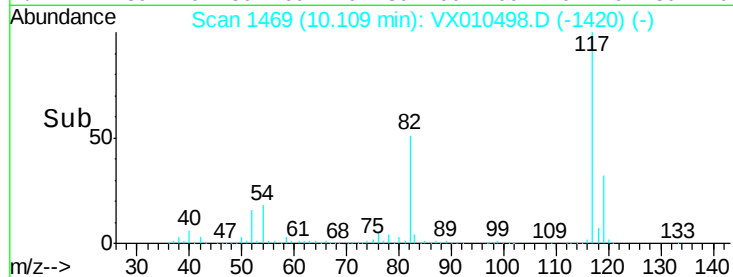
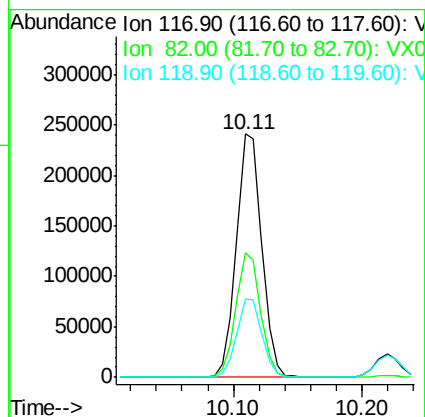
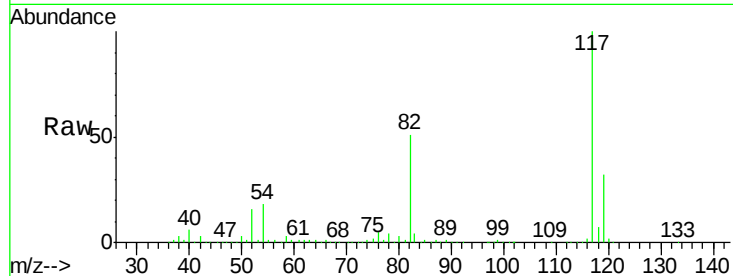
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.2	61.8
119	32.4	25.5	38.3

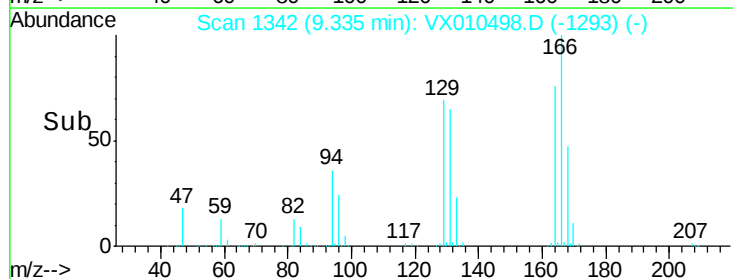
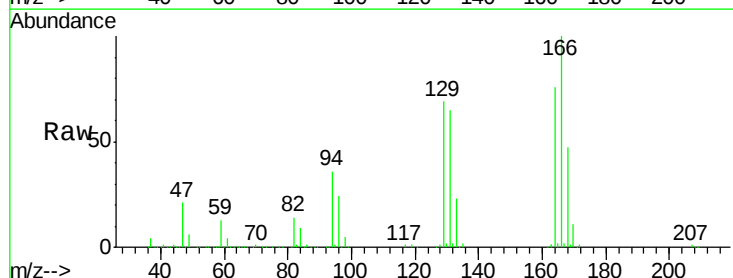
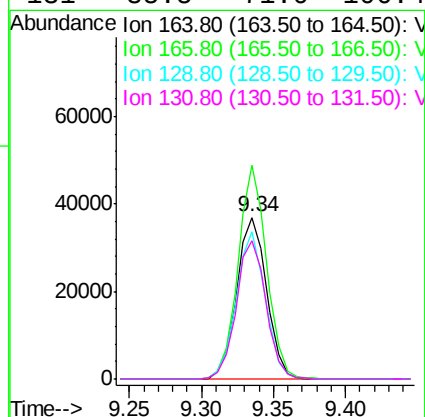
Manual Integrations
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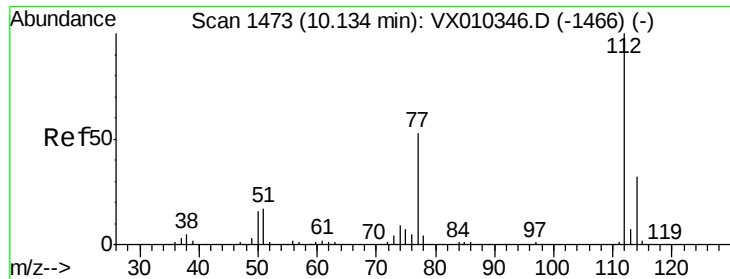
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#64
Tetrachloroethene
Concen: 19.799 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	103.6	155.4
129	91.0	73.0	109.4
131	85.5	71.0	106.4





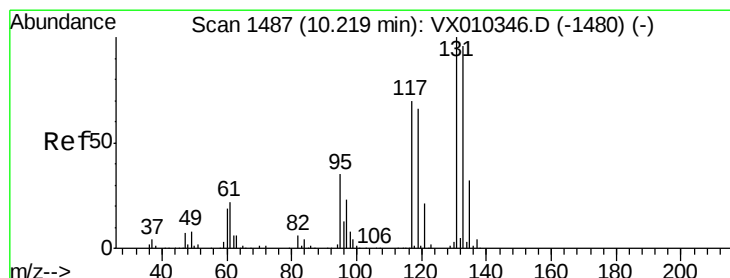
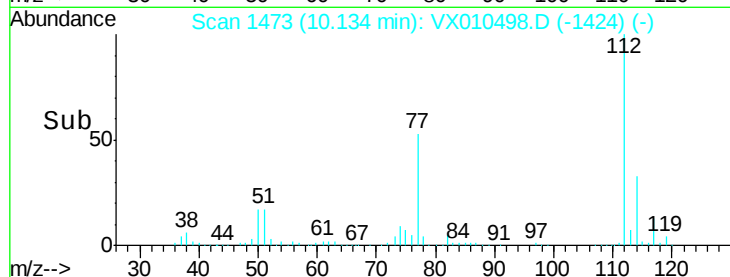
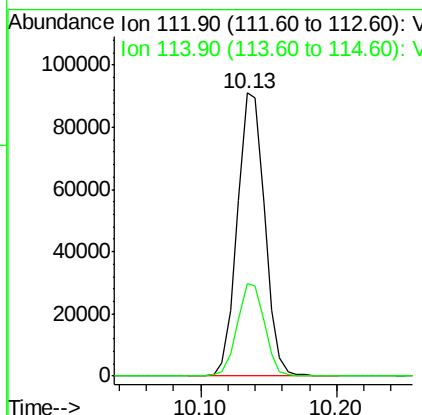
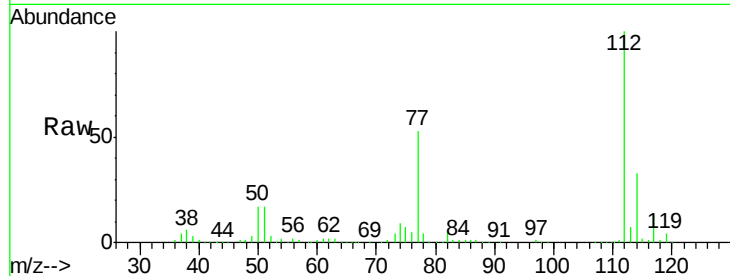
#65
Chlorobenzene
Concen: 18.951 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion:112 Resp: 127902
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.2

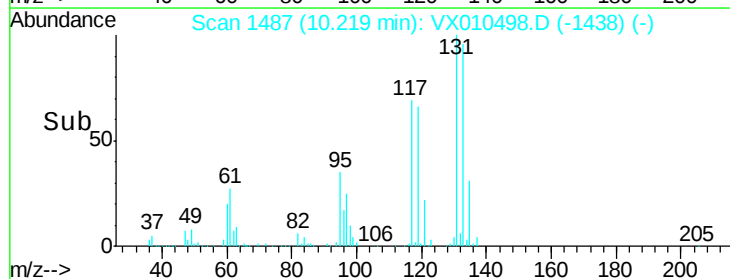
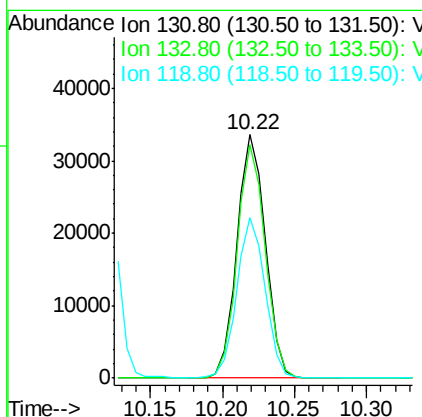
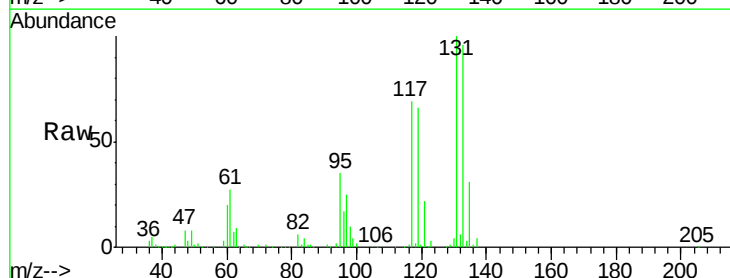
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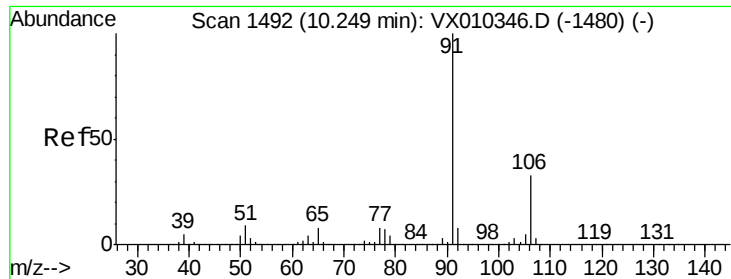
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.809 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion:131 Resp: 46238
Ion Ratio Lower Upper
131 100
133 94.5 47.7 143.1
119 65.6 32.6 97.7





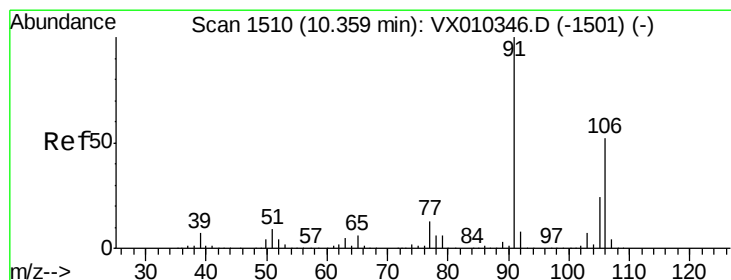
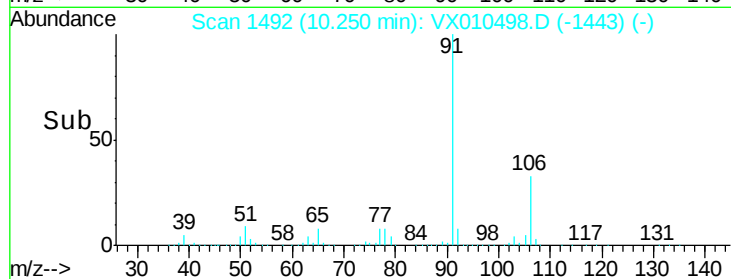
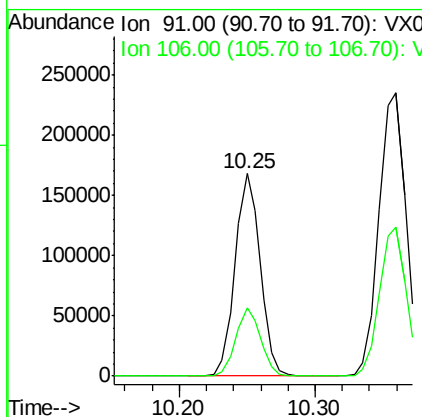
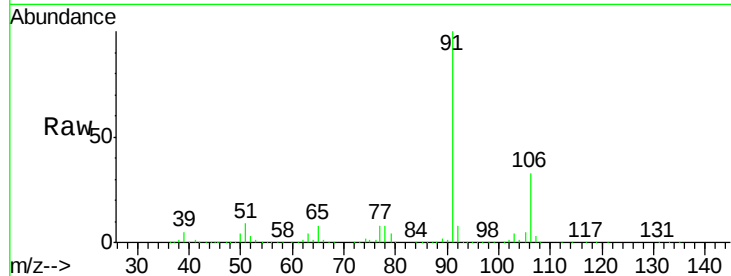
#67
Ethyl Benzene
Concen: 18.994 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleID :
VX0627WBSD01

Tot Ion: 91 Resp: 216414
Ion Ratio Lower Upper
91 100
106 33.5 26.2 39.2

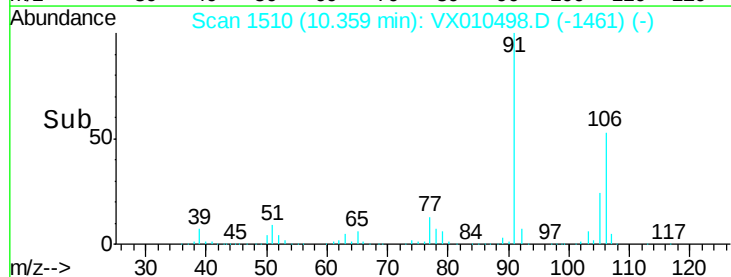
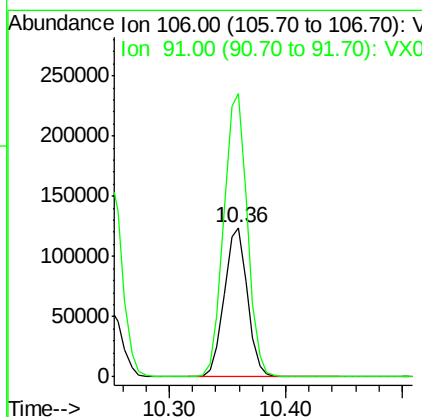
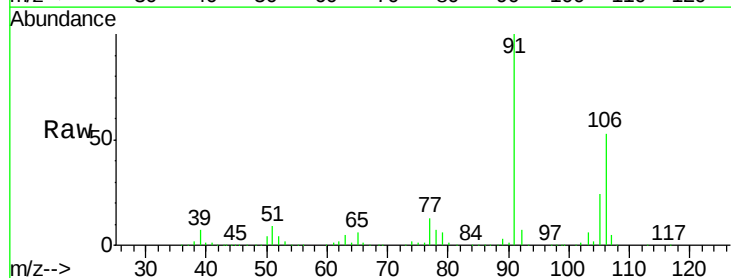
Manual Integrations
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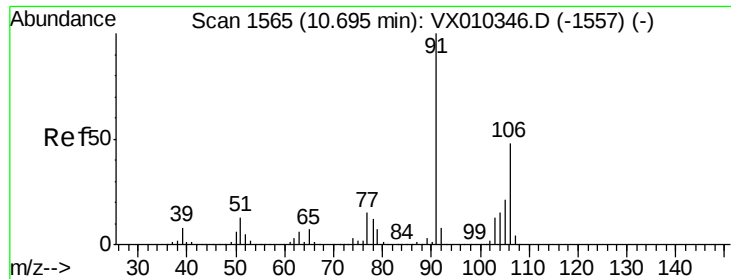
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#68
m/p-Xylenes
Concen: 38.469 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion: 106 Resp: 169830
Ion Ratio Lower Upper
106 100
91 193.1 155.3 232.9





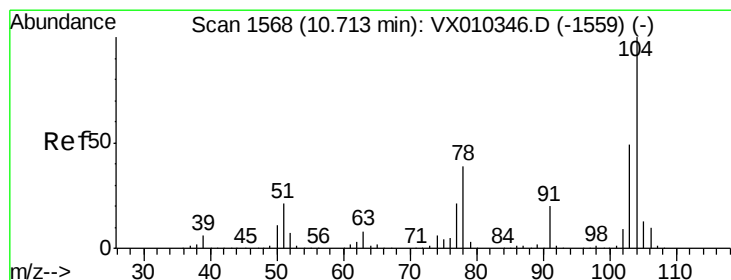
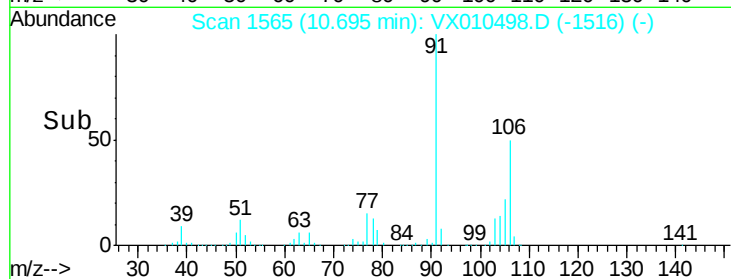
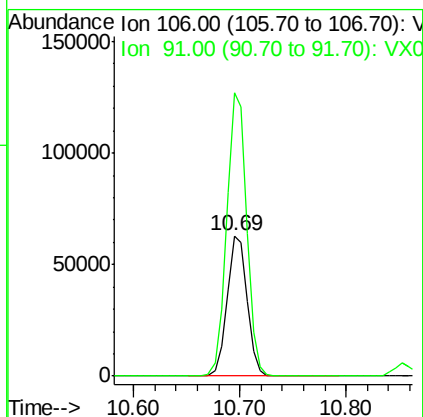
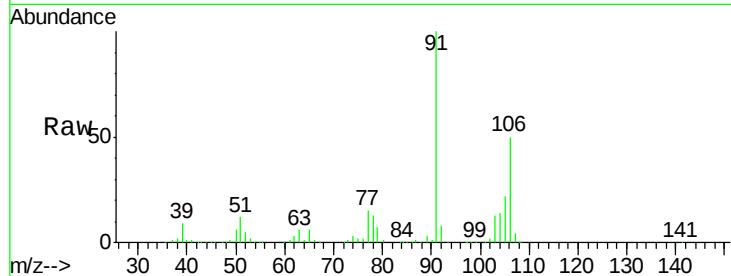
#69
o-Xylene
Concen: 19.076 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion:106 Resp: 82819
Ion Ratio Lower Upper
106 100
91 201.8 102.7 308.1

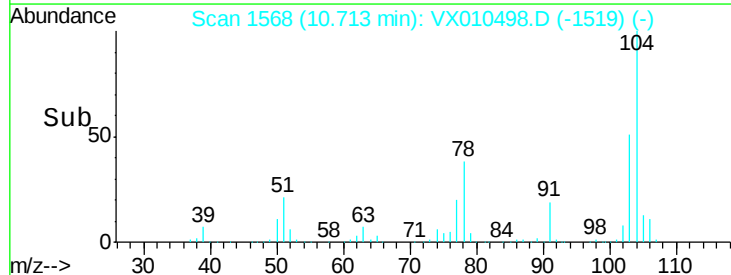
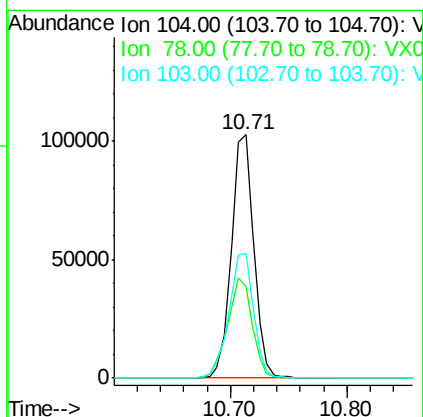
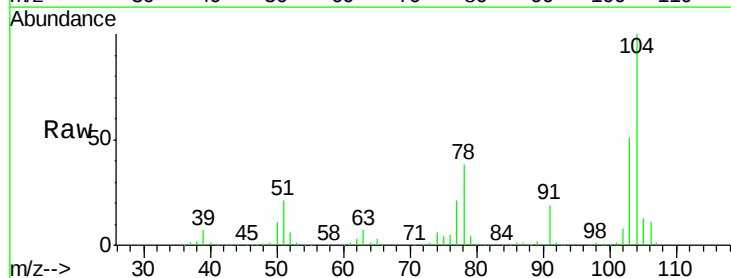
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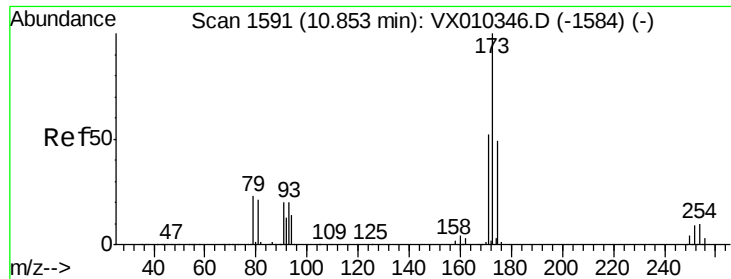
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#70
Styrene
Concen: 19.052 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion:104 Resp: 138716
Ion Ratio Lower Upper
104 100
78 45.1 36.2 54.2
103 56.0 44.2 66.4





#71

Bromoform

Concen: 17.024 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion:173 Resp: 36395

Ion Ratio Lower Upper

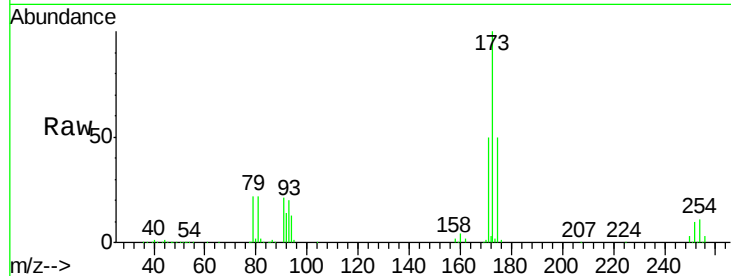
173 100

175 49.5 24.1 72.3

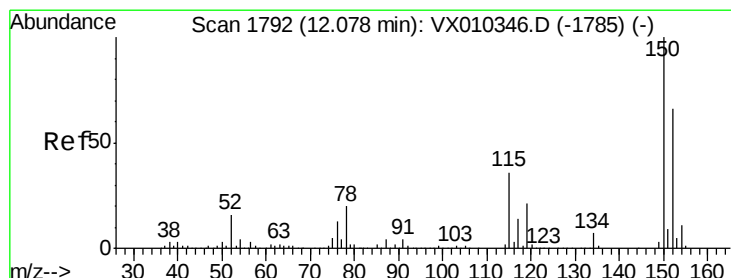
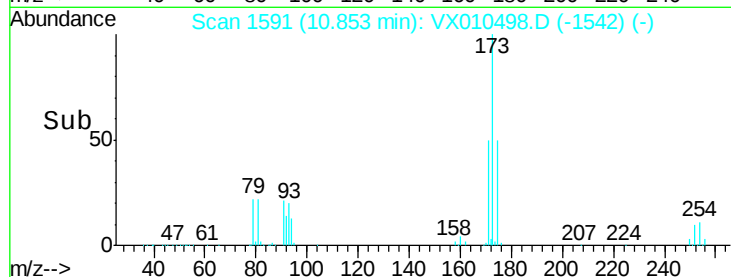
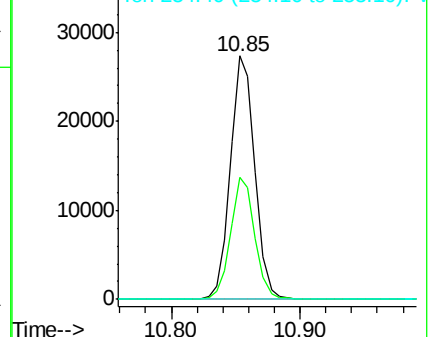
254 0.1 0.2 0.2#

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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: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

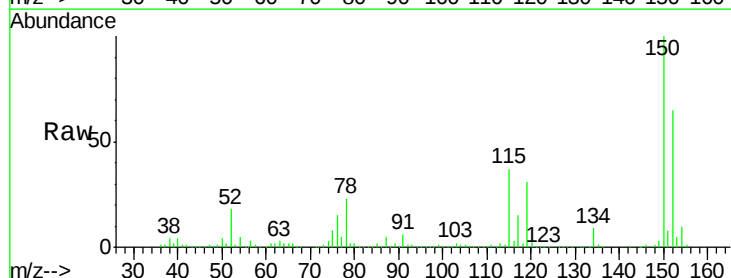
Tgt Ion:152 Resp: 170881

Ion Ratio Lower Upper

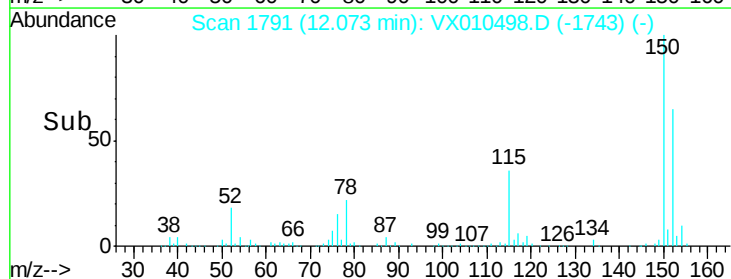
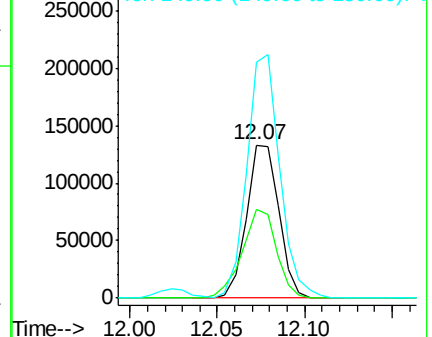
152 100

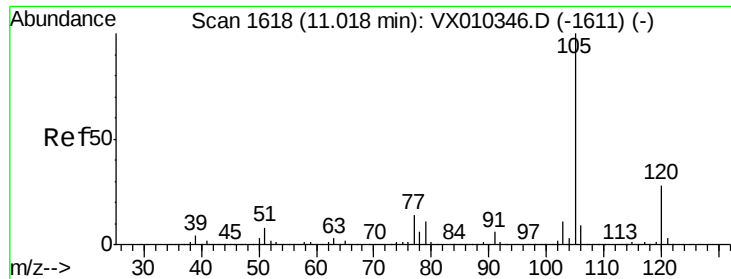
115 61.8 38.6 115.7

150 162.3 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.670 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 105 Resp: 216269

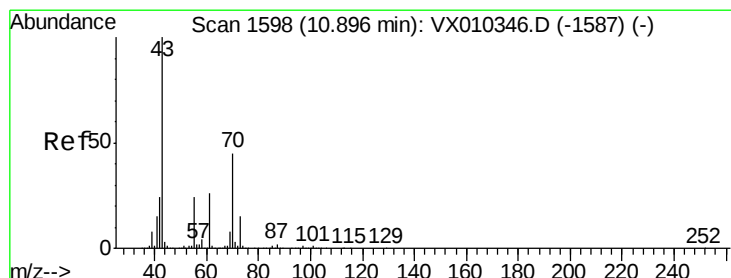
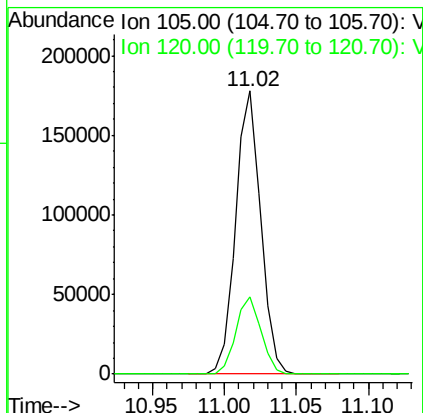
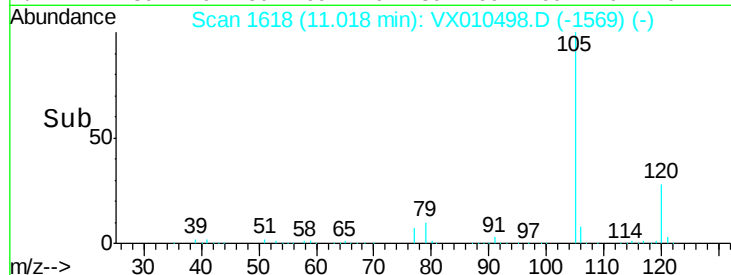
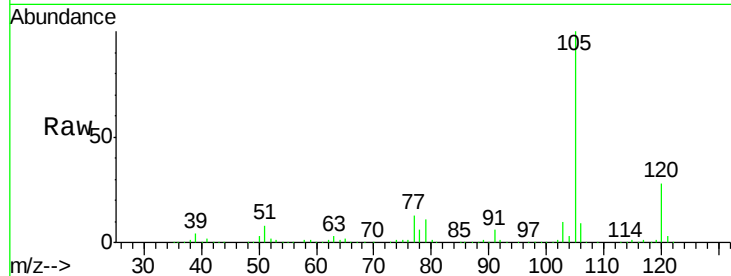
Ion Ratio Lower Upper

105 100

120 27.5 14.1 42.4

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#74

N-ethyl acetate

Concen: 17.522 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion: 43 Resp: 76708

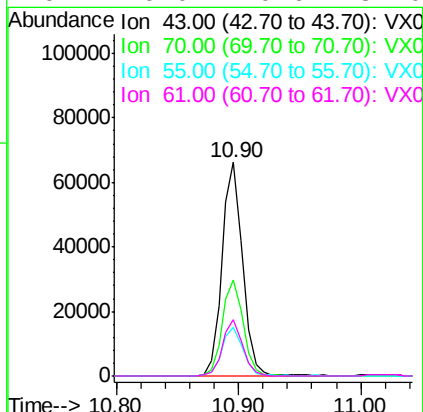
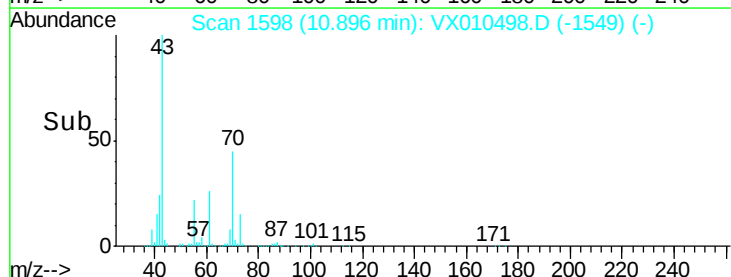
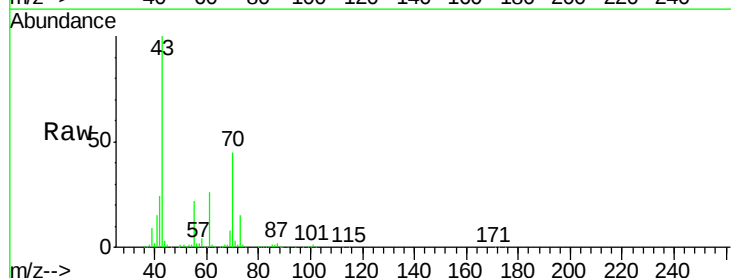
Ion Ratio Lower Upper

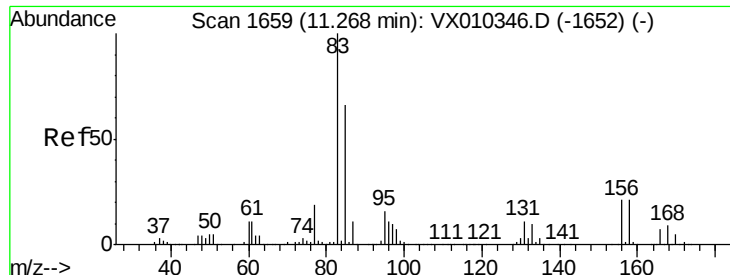
43 100

70 46.2 36.6 54.8

55 23.5 18.7 28.1

61 26.0 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.214 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

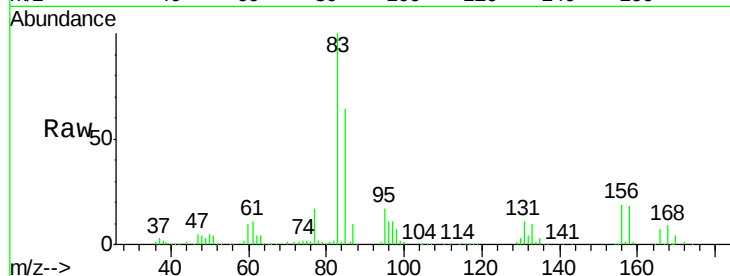
ClientSampleId :

VX0627WBSD01

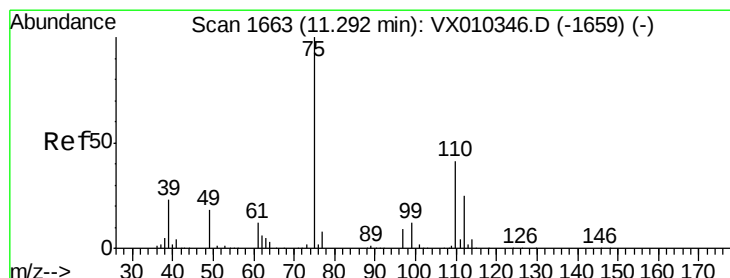
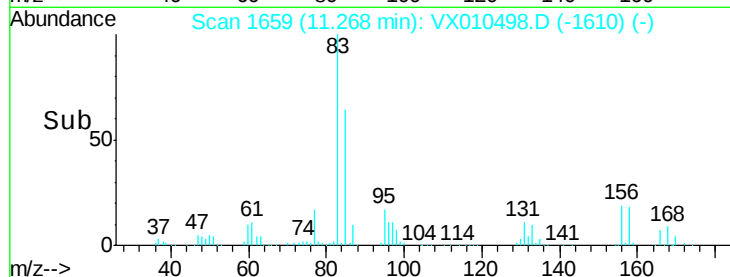
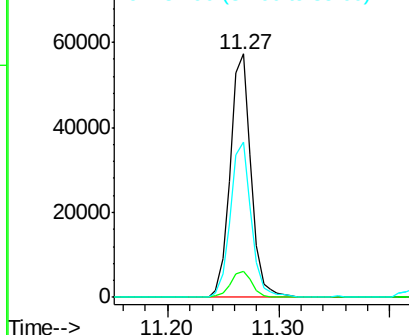
Tot Ion:	83	Resp:	73710
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.5	16.4
85	64.2	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.900 ug/l m

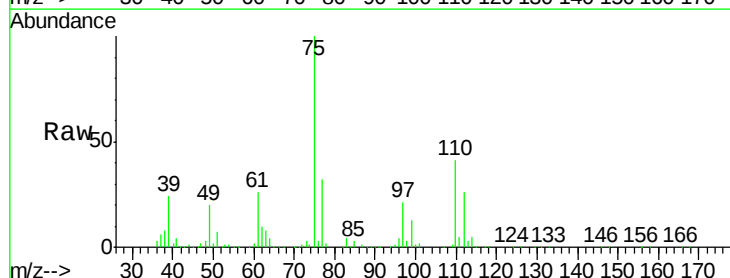
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

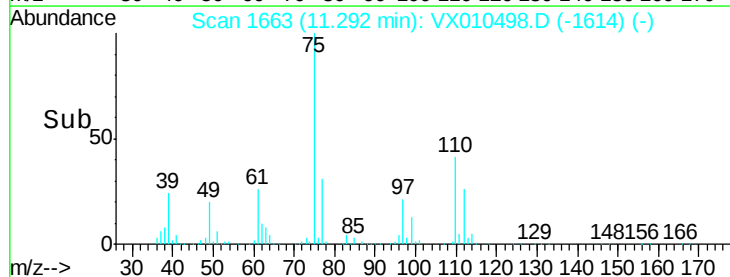
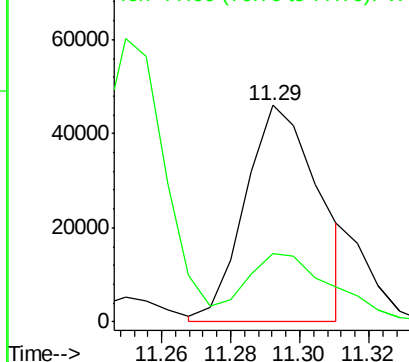
Lab File: VX010498.D

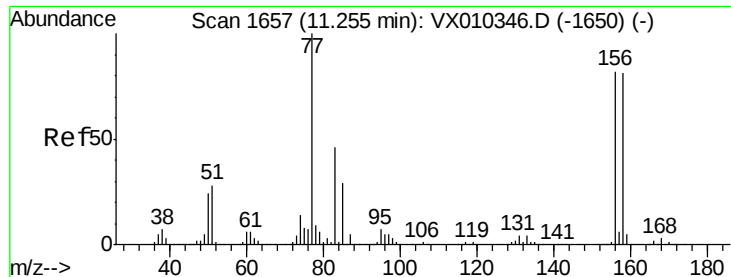
Acq: 27 Jun 2019 18:50

Tgt Ion:	75	Resp:	68194
Ion	Ratio	Lower	Upper
75	100		
77	37.4	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





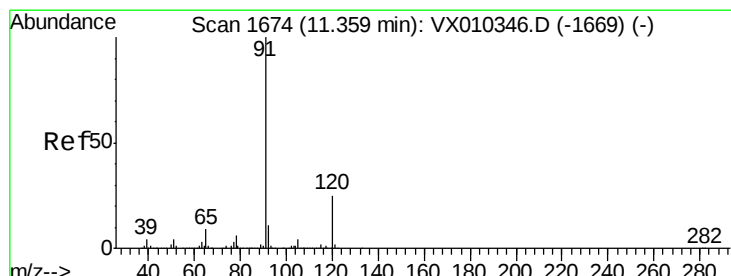
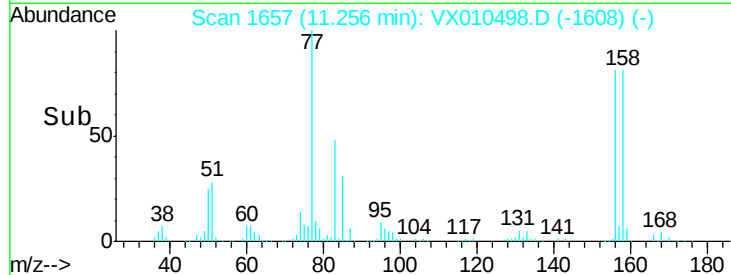
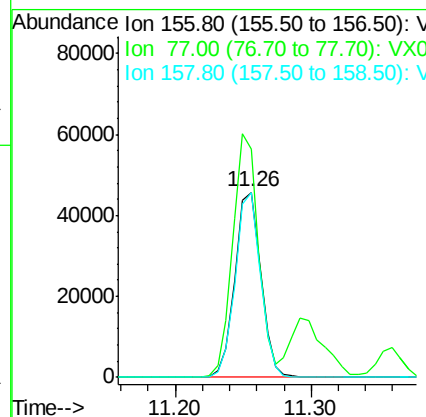
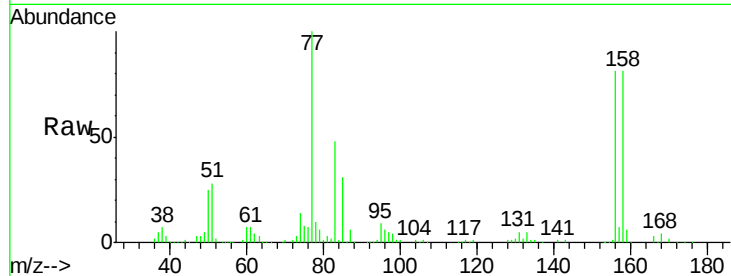
#77
Bromobenzene
Concen: 18.843 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	129.6	66.3	198.7
158	97.2	48.9	146.7

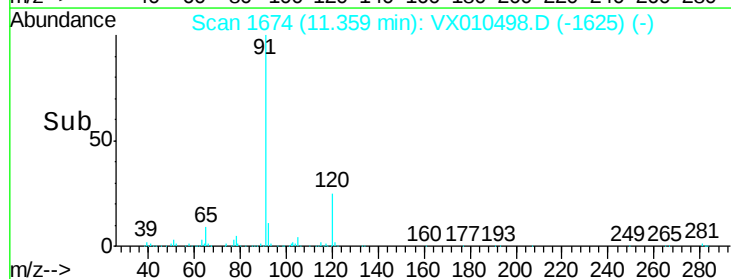
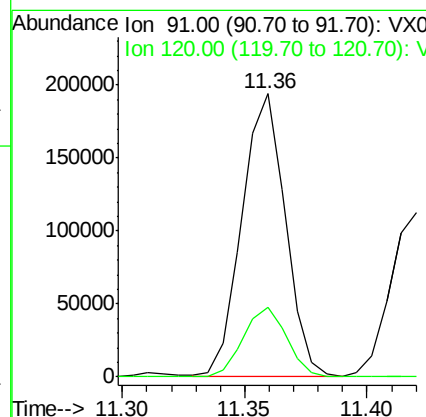
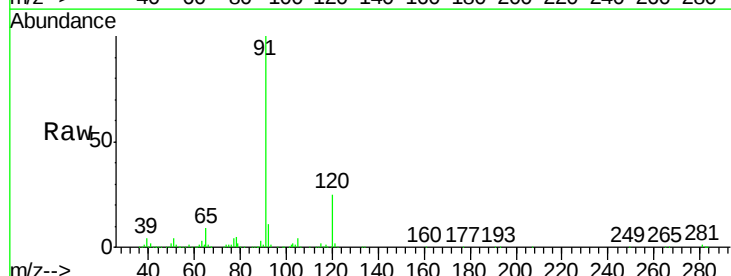
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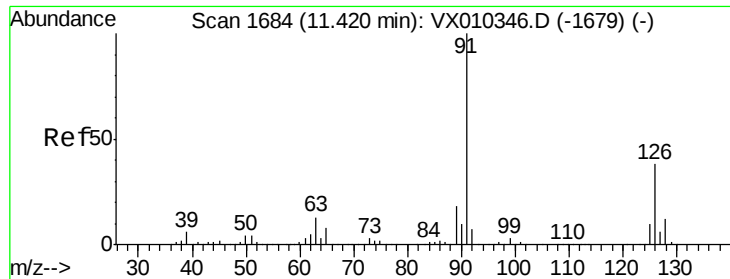
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#78
n-propylbenzene
Concen: 18.727 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.4	37.4





#79

2-Chlorotoluene

Concen: 18.632 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion: 91 Resp: 141248

Ion Ratio Lower Upper

91 100

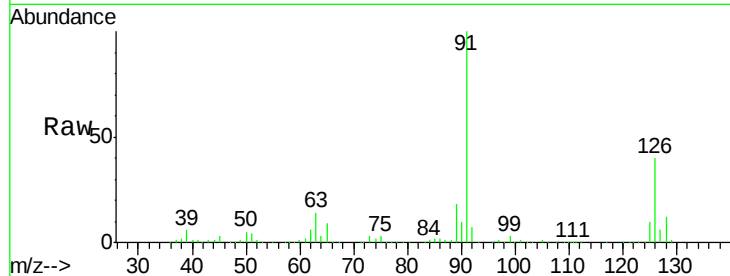
126 38.0 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

200000

150000

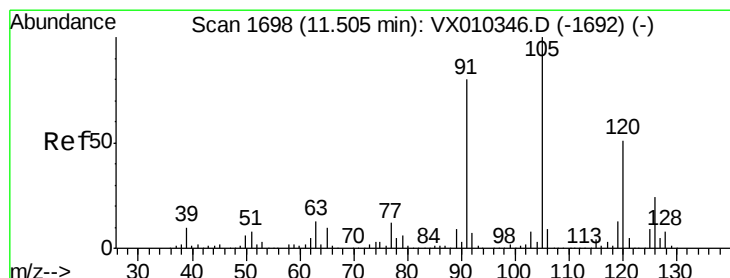
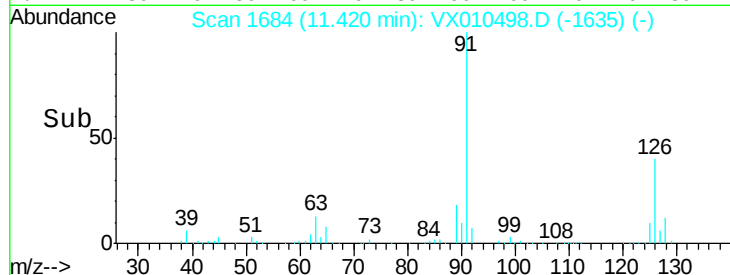
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.773 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010498.D

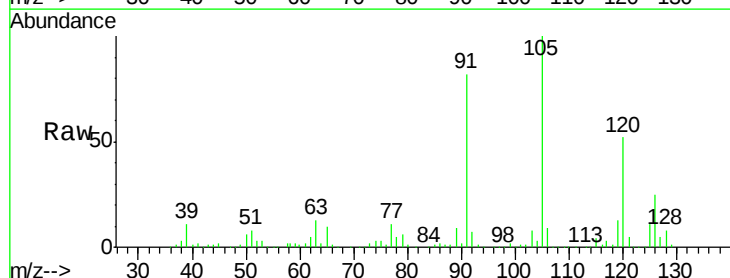
Acq: 27 Jun 2019 18:50

Tgt Ion: 105 Resp: 179265

Ion Ratio Lower Upper

105 100

120 51.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

150000

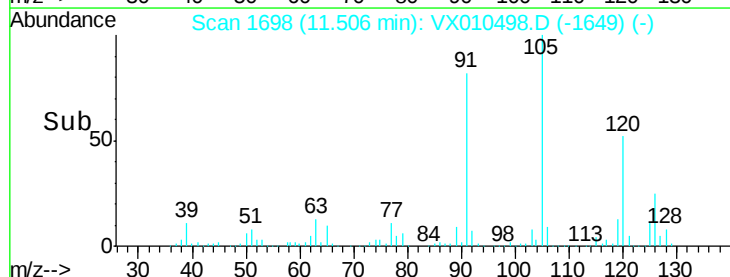
100000

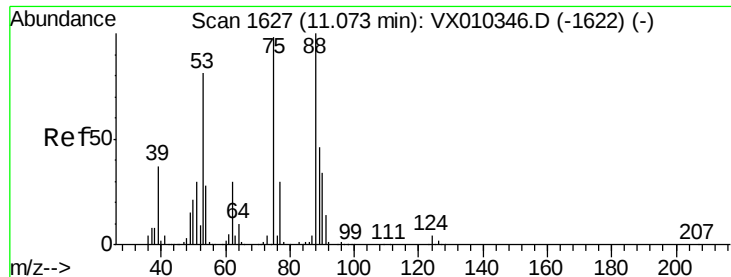
50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 14.635 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

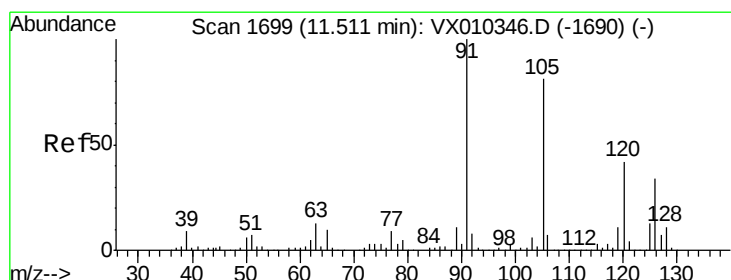
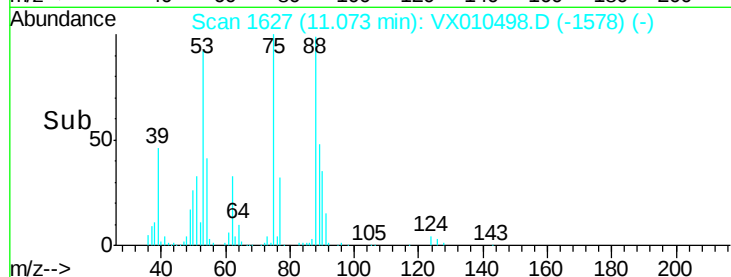
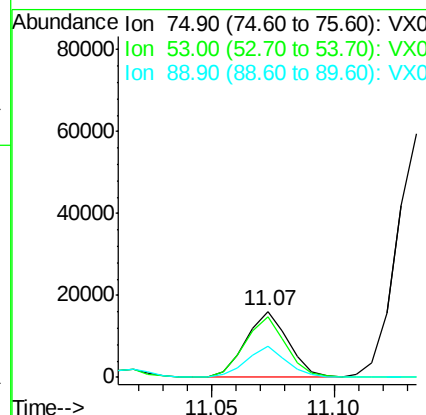
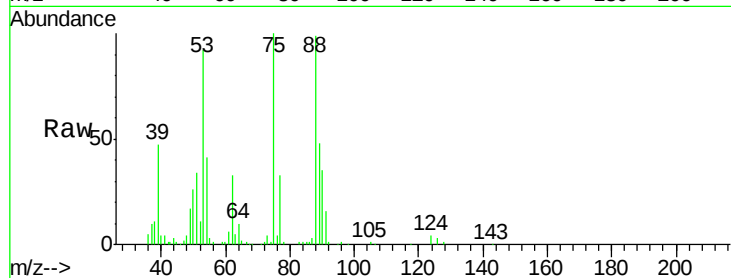
ClientSampleId :

VX0627WBSD01

Tot Ion:	75	Resp:	19534
Ion	Ratio	Lower	Upper
75	100		
53	87.7	66.1	99.1
89	45.5	37.8	56.6

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#82

4-Chlorotoluene

Concen: 18.533 ug/l

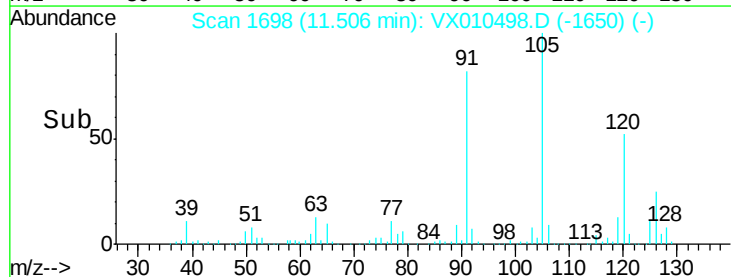
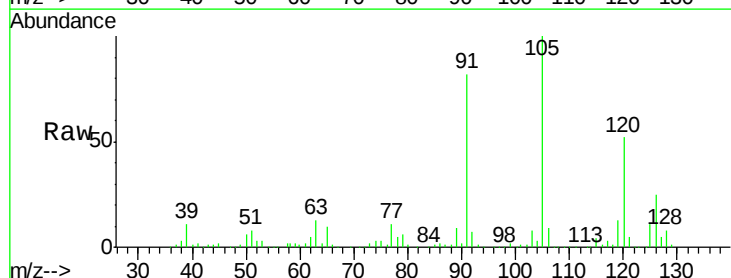
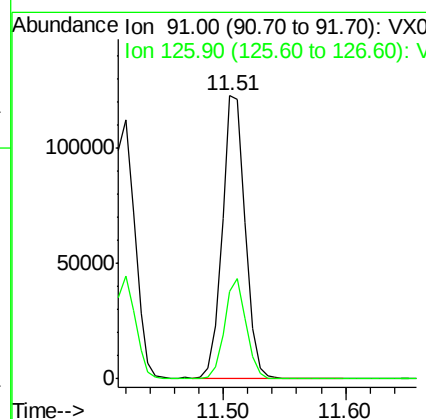
RT: 11.51 min Scan# 1698

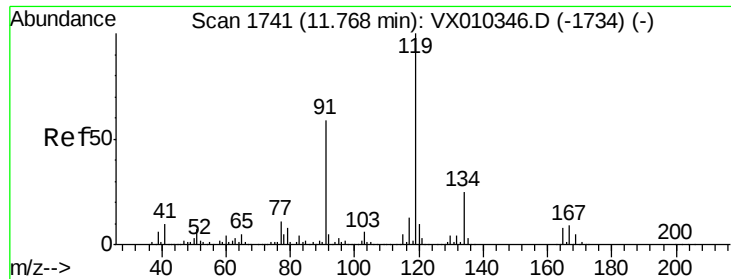
Delta R.T. -0.01 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion:	91	Resp:	159869
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.2	48.6





#83

tert-Butylbenzene

Concen: 18.763 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

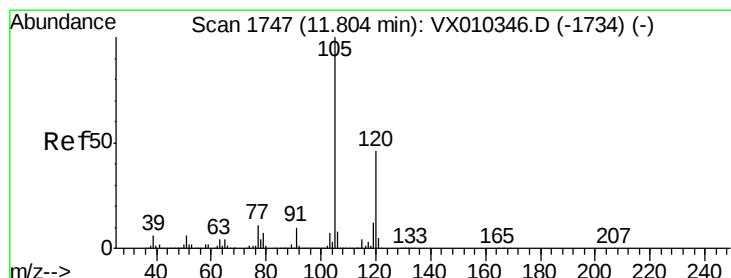
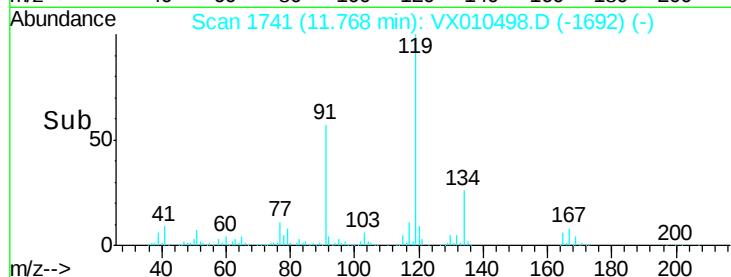
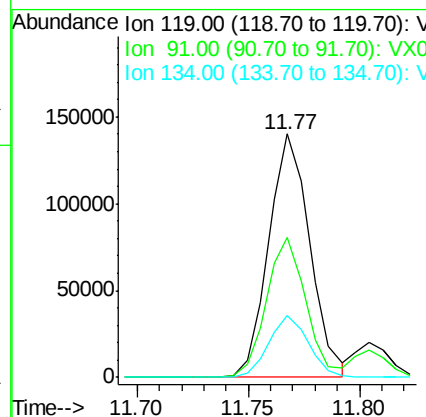
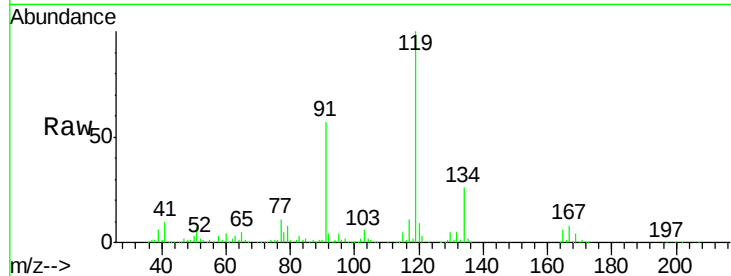
ClientSampleId :

VX0627WBSD01

Tot Ion:	119	Resp:	179831
Ion Ratio	Lower	Upper	
119	100		
91	55.5	27.6	82.7
134	24.6	11.8	35.4

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#84

1,2,4-Trimethylbenzene

Concen: 19.190 ug/l

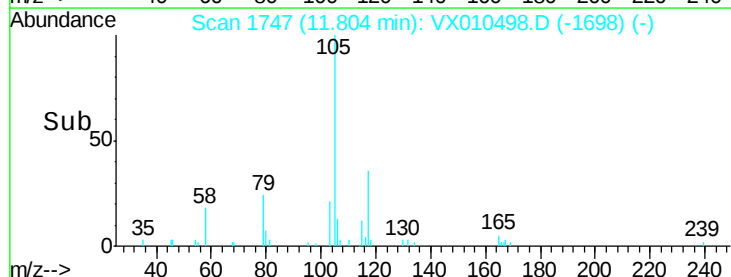
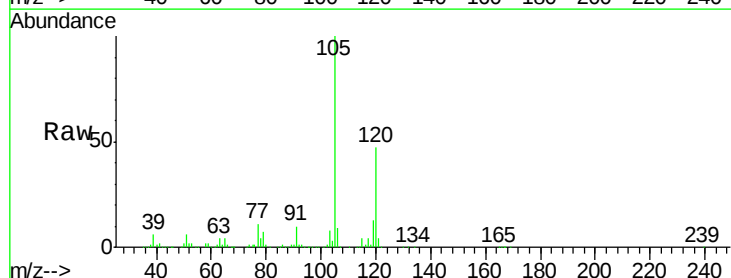
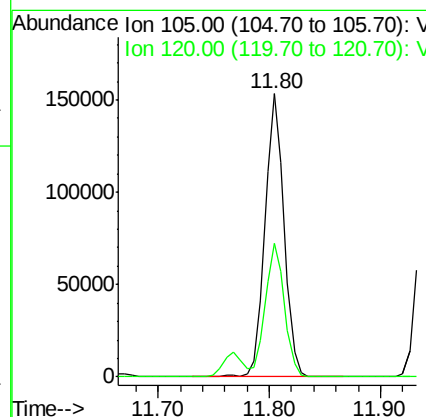
RT: 11.80 min Scan# 1747

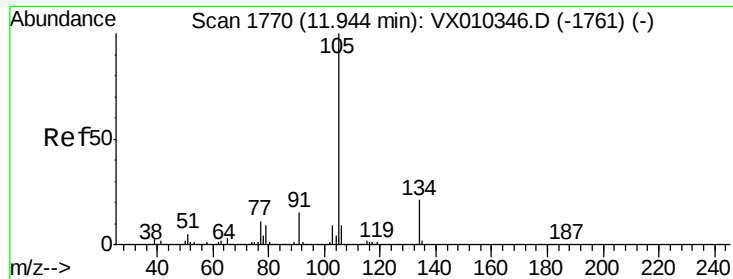
Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion:	105	Resp:	184112
Ion Ratio	Lower	Upper	
105	100		
120	47.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 18.767 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBSD01

Tot Ion:105 Resp: 211197

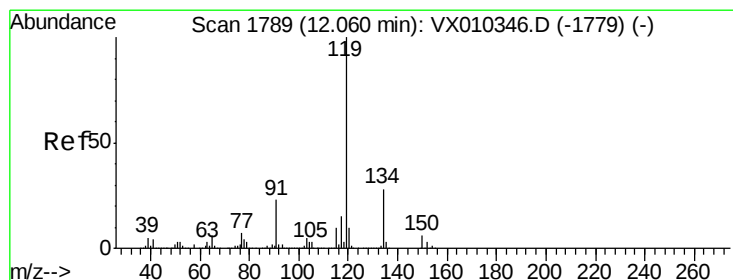
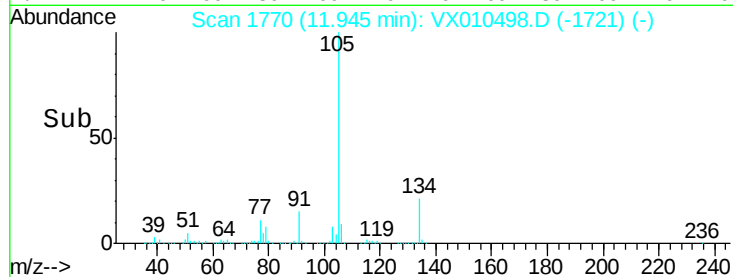
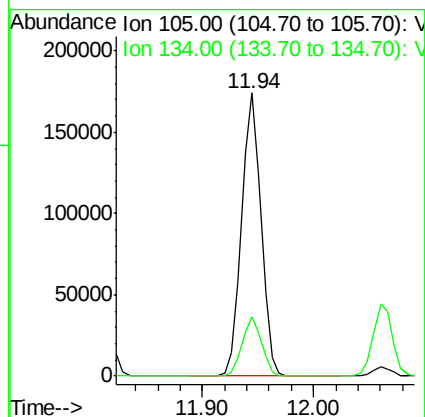
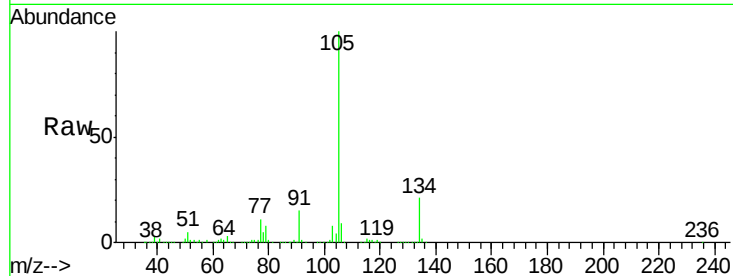
Ion Ratio Lower Upper

105 100

134 20.9 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 18.656 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

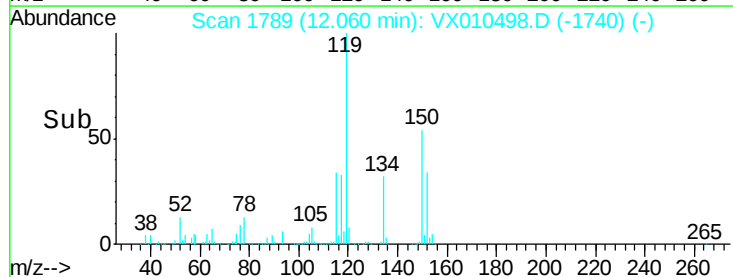
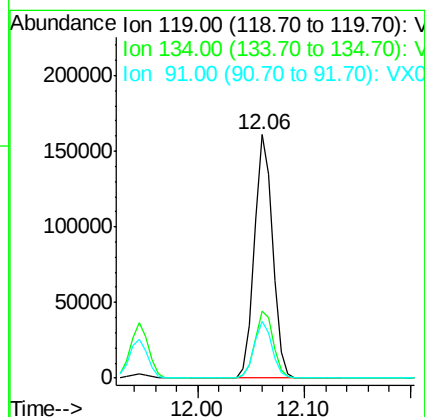
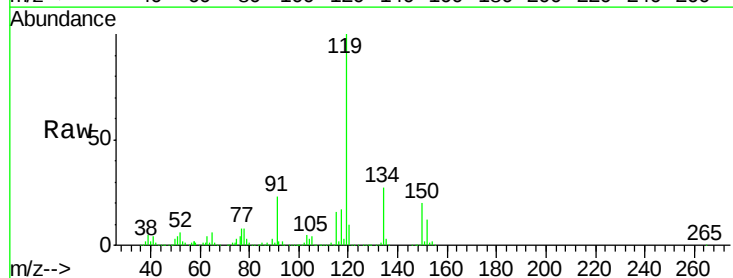
Tgt Ion:119 Resp: 194198

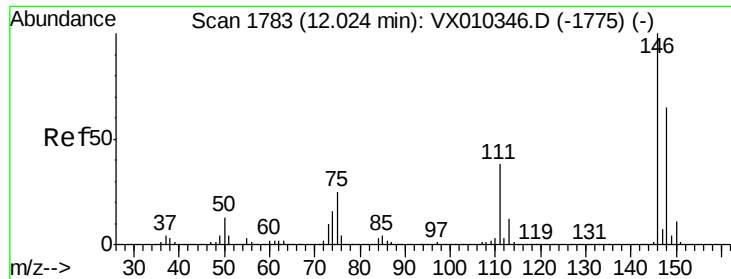
Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

91 23.1 11.3 33.8





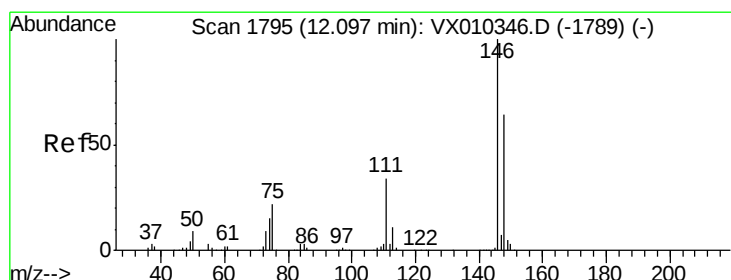
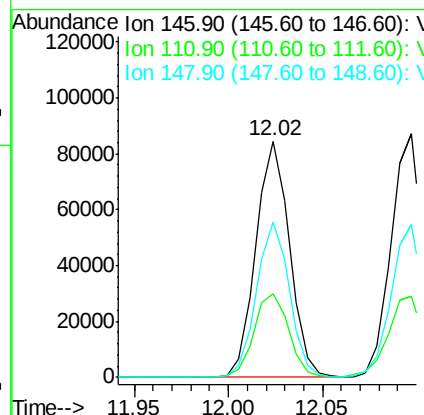
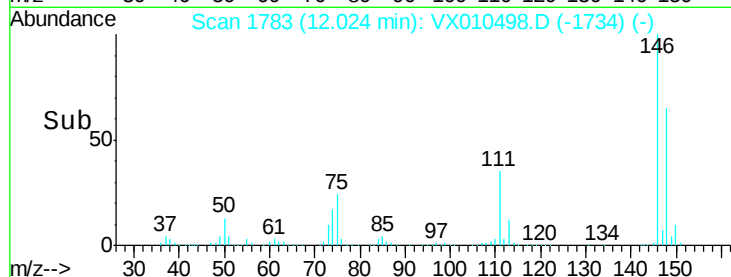
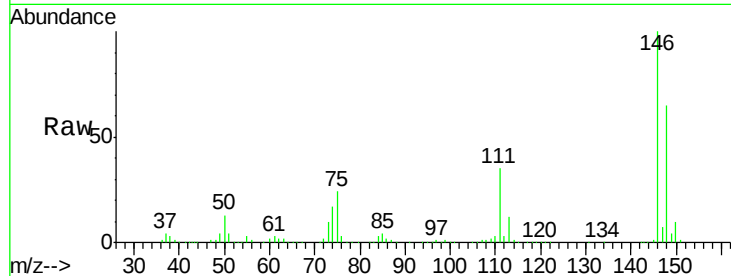
#87
 1,3-Dichlorobenzene
 Concen: 18.534 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.1	57.1
148	64.5	32.5	97.4

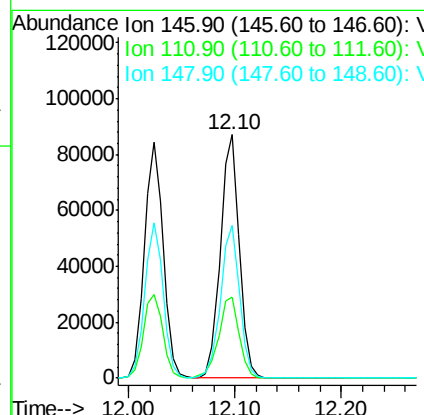
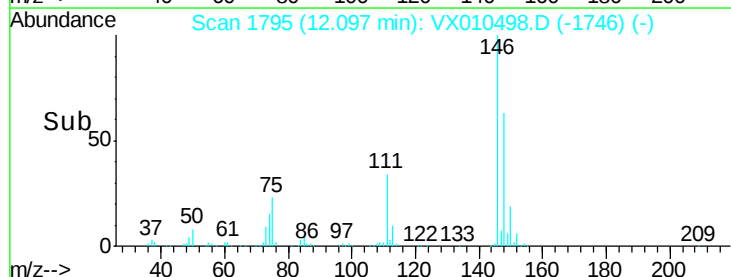
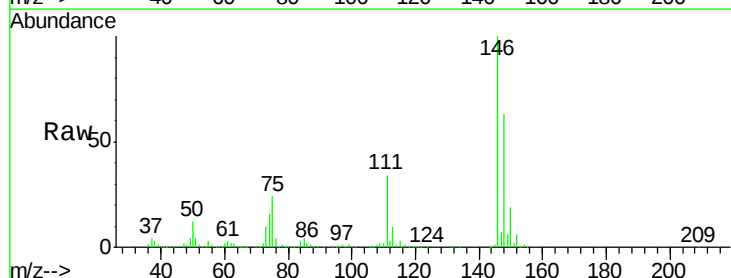
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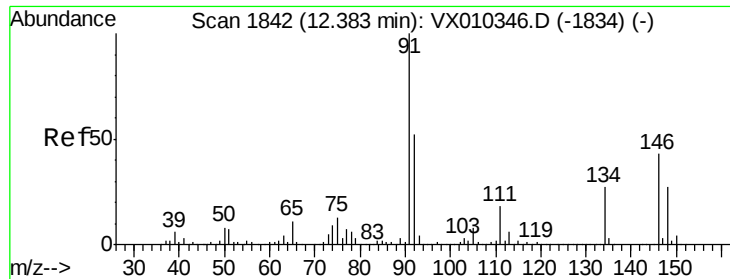
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#88
 1,4-Dichlorobenzene
 Concen: 18.615 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.3
148	63.1	32.1	96.3





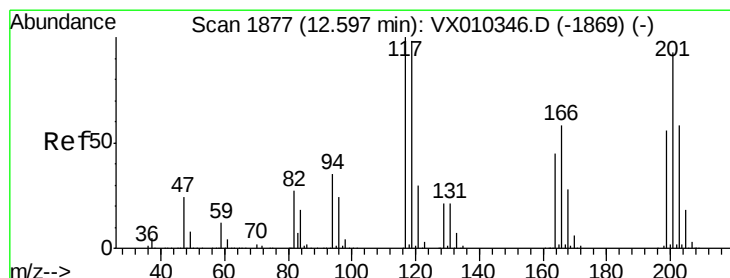
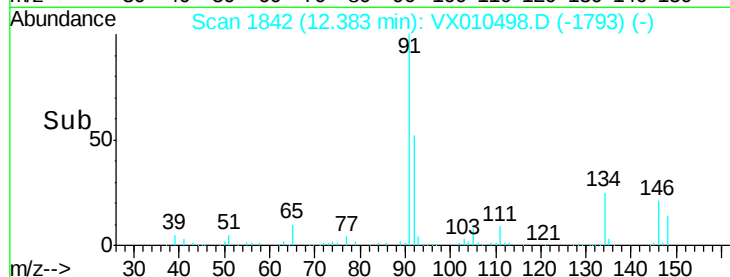
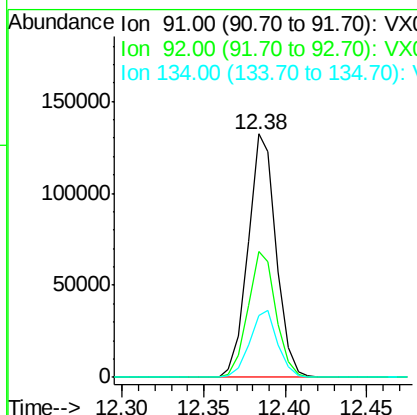
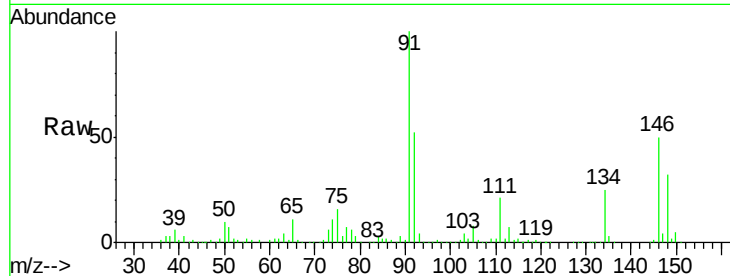
#89
n-Butylbenzene
Concen: 17.924 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	27.3	14.1	42.4

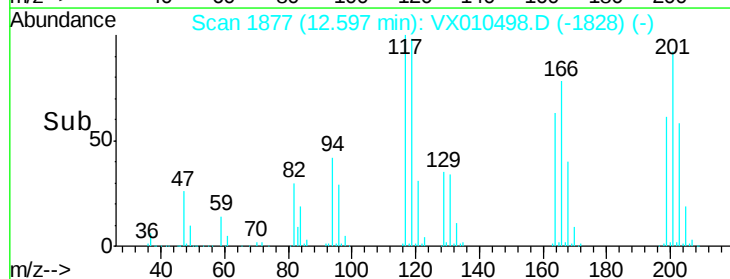
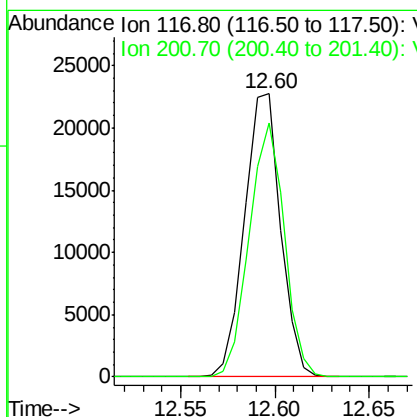
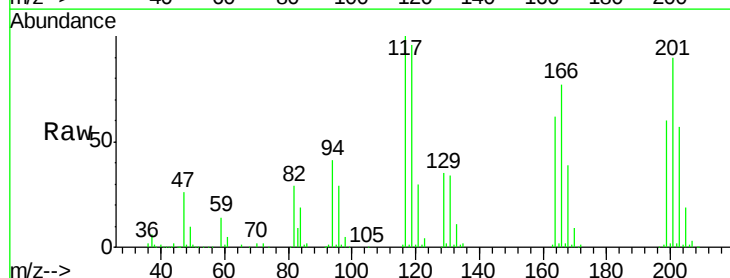
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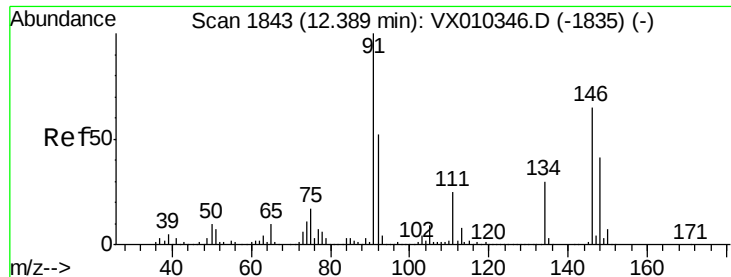
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#90
Hexachloroethane
Concen: 16.811 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010498.D
Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.9	44.0	131.8





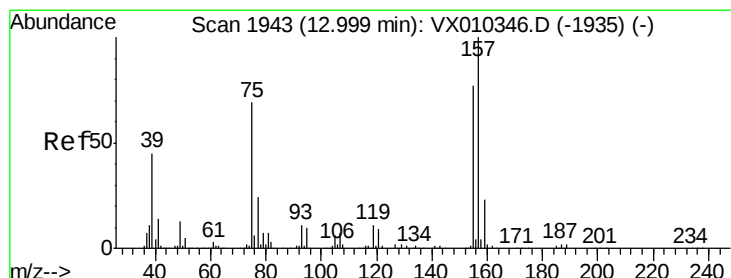
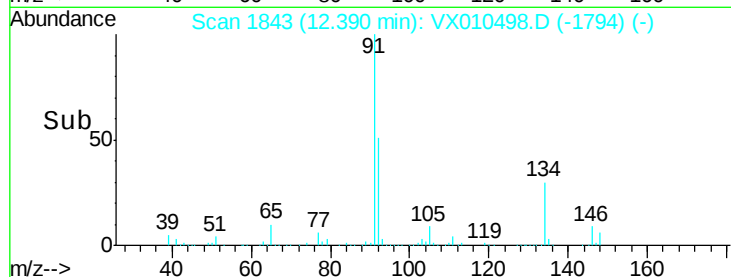
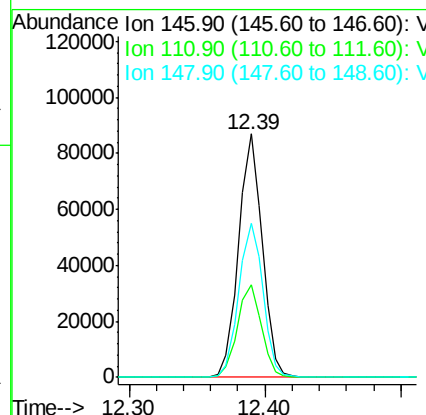
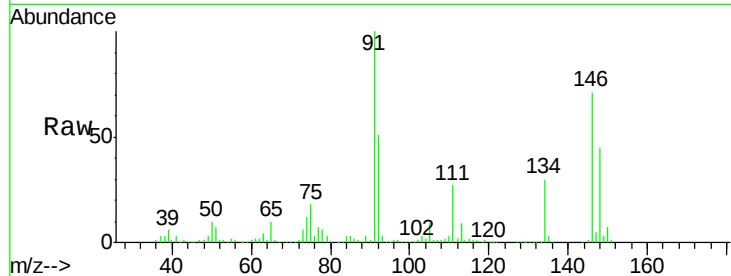
#91
 1,2-Dichlorobenzene
 Concen: 18.757 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	105254		
111	38.7	19.2	57.6	
148	64.9	32.0	96.0	

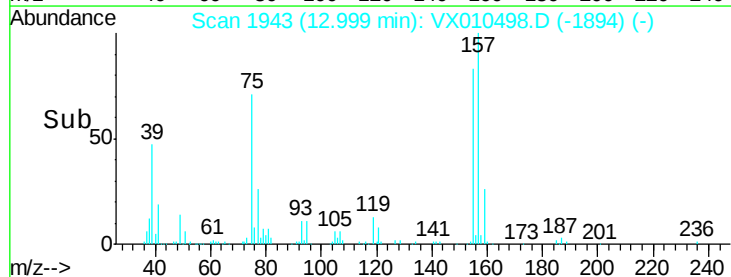
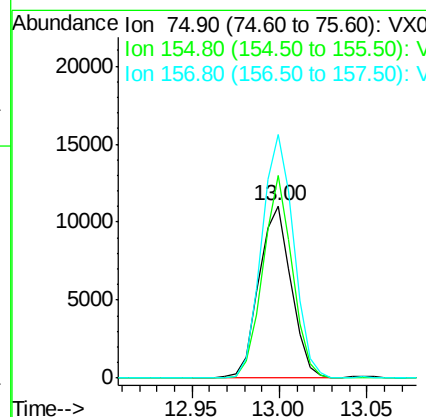
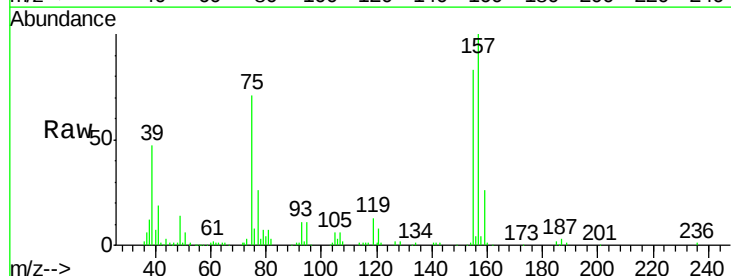
Manual Integrations
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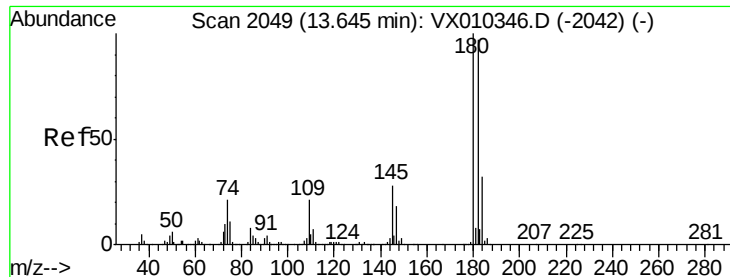
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.118 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14158		
155	106.9	54.4	163.1	
157	139.8	69.5	208.3	





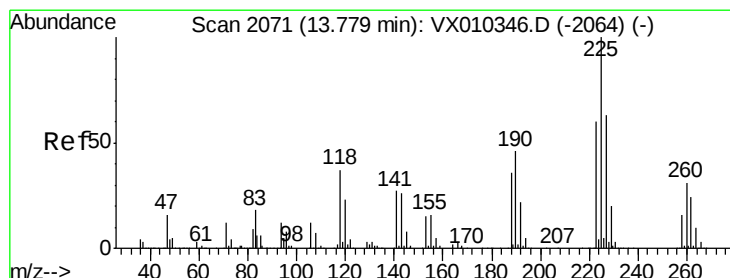
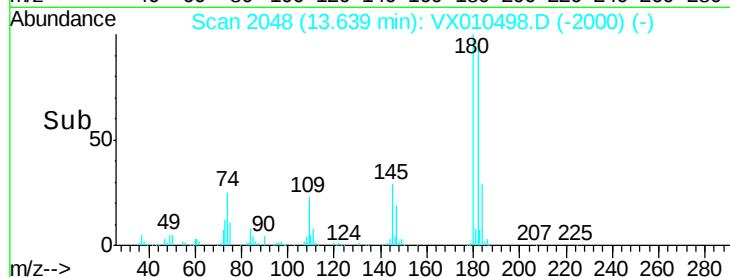
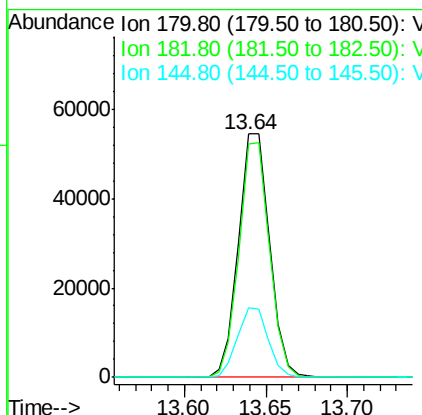
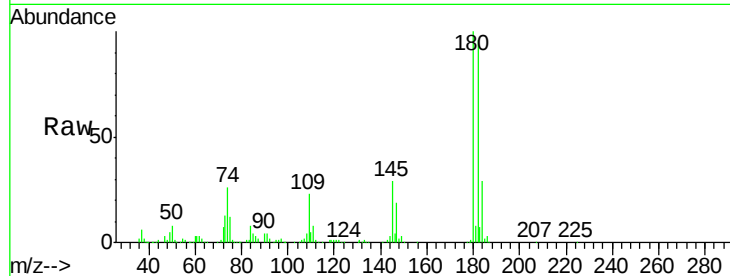
#93
 1,2,4-Trichlorobenzene
 Concen: 18.701 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	28.5	14.4	43.4

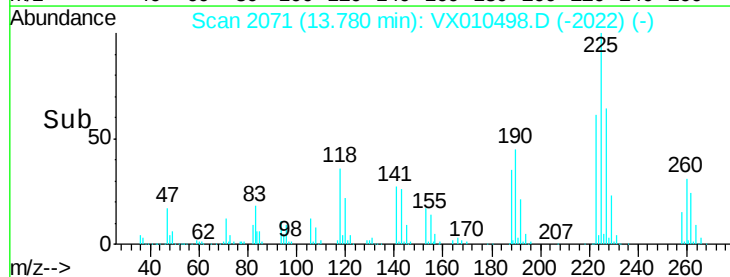
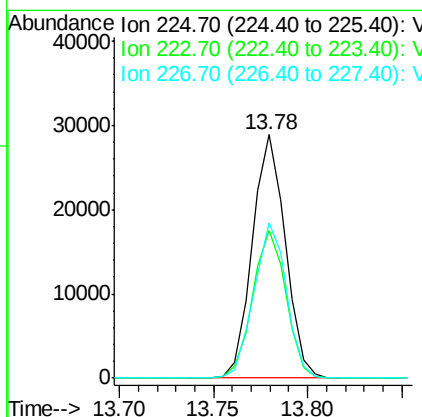
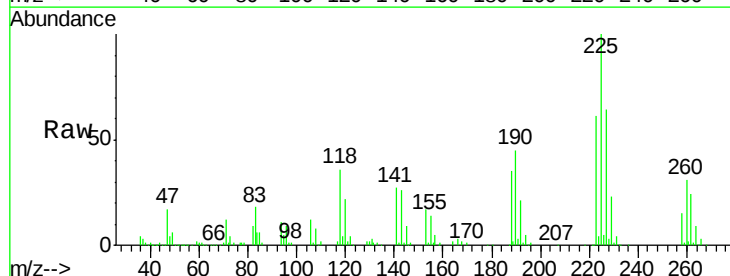
Manual Integrations
 APPROVED

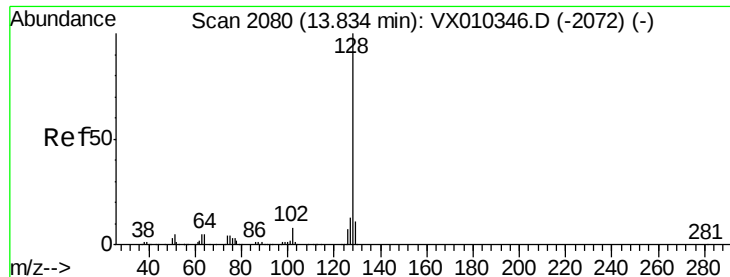
MMDadoda
 6/28/2019 10:38:20 AM



#94
 Hexachlorobutadiene
 Concen: 18.372 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010498.D
 Acq: 27 Jun 2019 18:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.7
227	63.0	31.9	95.5





#95

Naphthalene

Concen: 19.053 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Instrument :

MSVOA_X

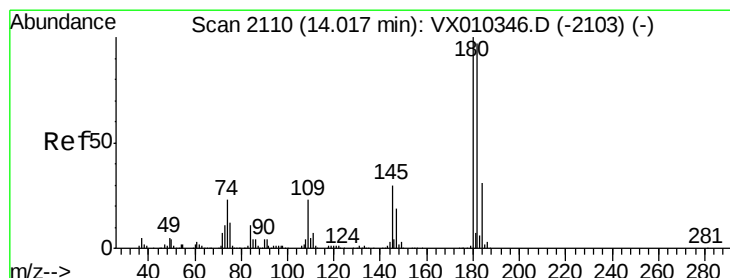
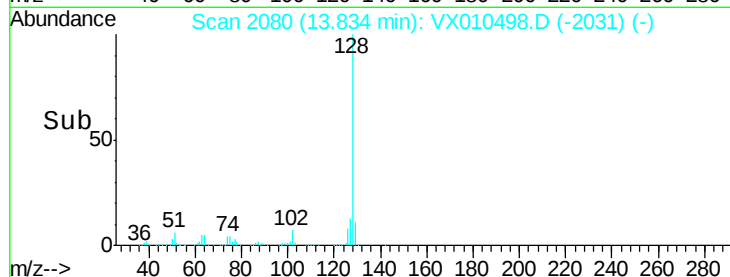
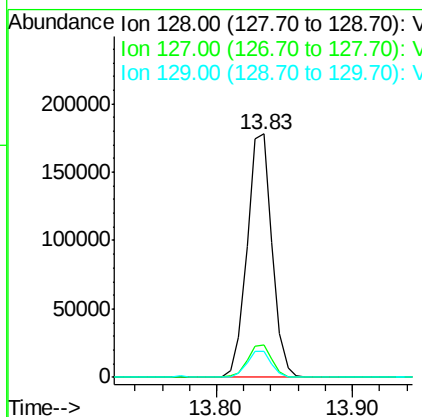
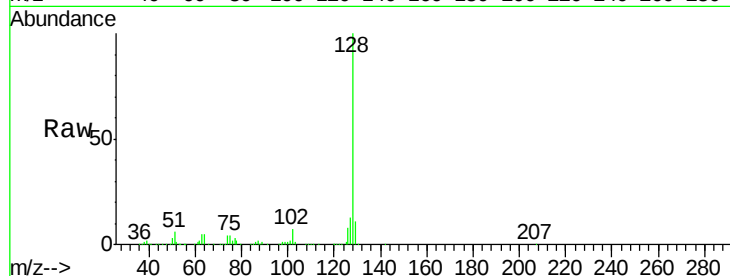
ClientSampleId :

VX0627WBSD01

Tot Ion:	128	Resp:	227851
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.292 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010498.D

Acq: 27 Jun 2019 18:50

Tgt Ion:	180	Resp:	74643
Ion Ratio	Lower	Upper	
180	100		
182	93.8	47.8	143.3
145	29.7	15.2	45.6

