

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007996.D
 Acq On : 12 Mar 2019 05:48
 Operator : JC/SP
 Sample : VX0311WBSD03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD03

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 3:24:05 PM

Quant Time: Mar 12 09:37:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364726	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	322985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	129818	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
35) Dibromofluoromethane	5.50	113	115271	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	8.71	98	428246	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.13	95	150448	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	38929	18.478	ug/l 100
3) Chloromethane	1.33	50	51710	19.046	ug/l 100
4) Vinyl Chloride	1.41	62	53430	19.806	ug/l 98
5) Bromomethane	1.64	94	30563	23.546	ug/l 98
6) Chloroethane	1.73	64	34601	19.307	ug/l 97
7) Trichlorofluoromethane	1.93	101	69864	19.892	ug/l 97
8) Diethyl Ether	2.19	74	31143	20.477	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41902	19.252	ug/l 99
10) Methyl Iodide	2.51	142	63316	20.506	ug/l 98
11) Tert butyl alcohol	3.07	59	62675	107.738	ug/l 100
12) 1,1-Dichloroethene	2.38	96	42232	20.130	ug/l 94
13) Acrolein	2.30	56	28650	88.032	ug/l 98
14) Allyl chloride	2.73	41	79865	18.116	ug/l 99
15) Acrylonitrile	3.15	53	146026	99.449	ug/l 100
16) Acetone	2.45	43	120797	80.230	ug/l 98
17) Carbon Disulfide	2.57	76	124216	19.220	ug/l 99
18) Methyl Acetate	2.78	43	67363	21.060	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	148664	20.597	ug/l 99
20) Methylene Chloride	2.86	84	47921	19.998	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	44318	19.198	ug/l 99
22) Diisopropyl ether	3.87	45	159588	19.748	ug/l 99
23) Vinyl Acetate	3.82	43	670940	94.675	ug/l 99
24) 1,1-Dichloroethane	3.70	63	85717	19.710	ug/l 99
25) 2-Butanone	4.70	43	198848	93.286	ug/l 100
26) 2,2-Dichloropropane	4.59	77	38368	13.316	ug/l 95
27) cis-1,2-Dichloroethene	4.60	96	52780	19.980	ug/l 95
28) Bromochloromethane	5.02	49	41871	20.651	ug/l 97
29) Tetrahydrofuran	5.15	42	133029	100.050	ug/l 99
30) Chloroform	5.21	83	83649	20.333	ug/l 99
31) Cyclohexane	5.57	56	75691	18.937	ug/l 99
32) 1,1,1-Trichloroethane	5.50	97	68775	20.149	ug/l 99
36) 1,1-Dichloropropene	5.80	75	62609	18.958	ug/l 99
37) Ethyl Acetate	4.86	43	74469	19.002	ug/l 99
38) Carbon Tetrachloride	5.79	117	60092	19.166	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	72063	18.008	ug/l	97
40) Benzene	6.14	78	194987	19.832	ug/l	100
41) Methacrylonitrile	5.06	41	41907	19.613	ug/l	98
42) 1,2-Dichloroethane	6.20	62	63950	19.889	ug/l	100
43) Isopropyl Acetate	6.46	43	113153	19.509	ug/l	99
44) Trichloroethene	7.21	130	54285	20.035	ug/l	96
45) 1,2-Dichloropropane	7.52	63	51971	20.014	ug/l	100
46) Dibromomethane	7.66	93	32716	19.908	ug/l	99
47) Bromodichloromethane	7.90	83	59816	19.198	ug/l	99
48) Methyl methacrylate	7.77	41	59173	19.404	ug/l	98
49) 1,4-Dioxane	7.75	88	25864	412.882	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	379154	101.648	ug/l	99
52) Toluene	8.79	92	121219	20.195	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60011	18.453	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	68096	18.543	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	49467	20.358	ug/l	99
56) Ethyl methacrylate	9.18	69	74872	20.522	ug/l	97
57) 1,3-Dichloropropane	9.37	76	82589	20.243	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	195121	103.391	ug/l	99
59) 2-Hexanone	9.49	43	282168	97.436	ug/l	99
60) Dibromochloromethane	9.58	129	50058	19.709	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51368	19.911	ug/l	99
64) Tetrachloroethene	9.34	164	56136	20.973	ug/l	98
65) Chlorobenzene	10.14	112	132146	19.552	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	47974	19.805	ug/l	99
67) Ethyl Benzene	10.25	91	219990	19.773	ug/l	99
68) m/p-Xylenes	10.36	106	169187	39.453	ug/l	99
69) o-Xylene	10.69	106	82260	19.869	ug/l	99
70) Styrene	10.71	104	136381	20.130	ug/l	100
71) Bromoform	10.85	173	40129	19.291	ug/l #	100
73) Isopropylbenzene	11.02	105	222133	20.901	ug/l	99
74) N-amyl acetate	10.90	43	96083	19.803	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	73770	20.123	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	69366m	21.035	ug/l	
77) Bromobenzene	11.26	156	59198	20.316	ug/l	99
78) n-propylbenzene	11.36	91	242208	20.542	ug/l	99
79) 2-Chlorotoluene	11.42	91	148264	20.566	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	181106	20.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17538	17.000	ug/l	94
82) 4-Chlorotoluene	11.51	91	166758	20.185	ug/l	100
83) tert-Butylbenzene	11.77	119	176128	19.989	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	185732	20.712	ug/l	99
85) sec-Butylbenzene	11.94	105	214963	20.714	ug/l	99
86) p-Isopropyltoluene	12.06	119	191586	20.614	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	103772	20.130	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	103614	19.627	ug/l	99
89) n-Butylbenzene	12.39	91	152616	19.383	ug/l	99
90) Hexachloroethane	12.60	117	30793	19.817	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	103875	20.284	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14733	19.229	ug/l	97

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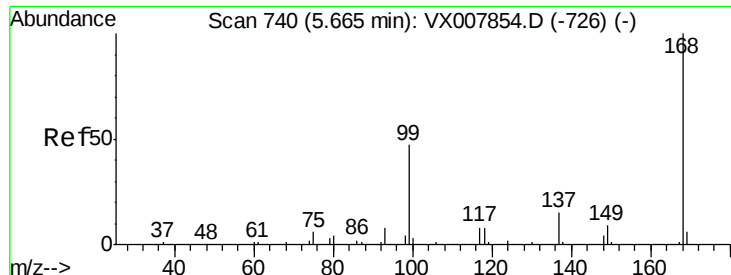
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	70514	19.600	ug/l	100
94) Hexachlorobutadiene	13.78	225	37808	20.101	ug/l	99
95) Naphthalene	13.83	128	211554	20.409	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	71777	20.028	ug/l	100

(#) = 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: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 168 Resp: 246590

Ion Ratio Lower Upper

168 100

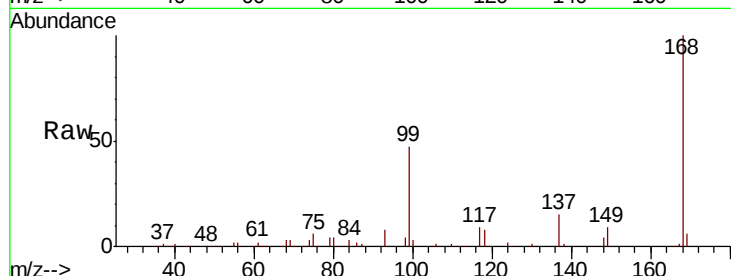
99 46.9 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

0

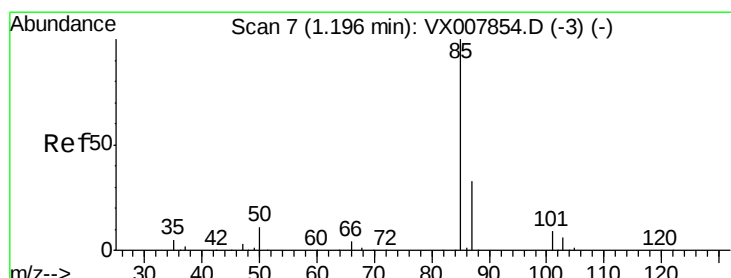
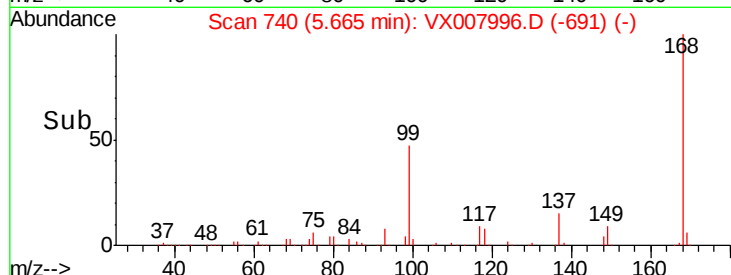
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.478 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007996.D

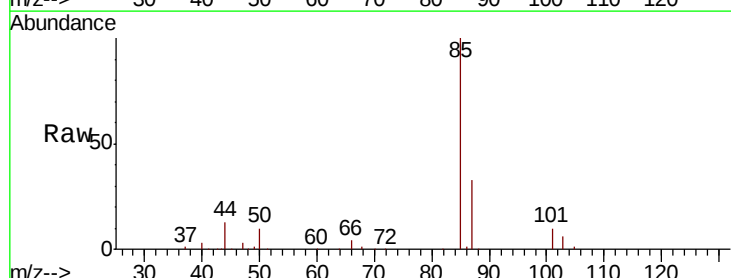
Acq: 12 Mar 2019 05:48

Tgt Ion: 85 Resp: 38929

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

40000

30000

20000

10000

0

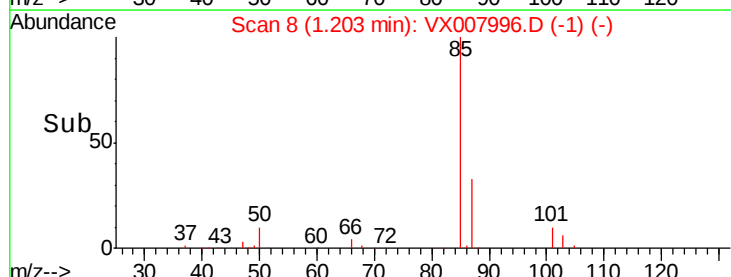
1.15

1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 19.046 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 50 Resp: 51710

Ion Ratio Lower Upper

50 100

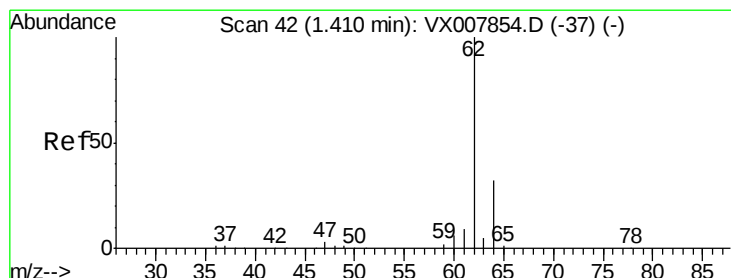
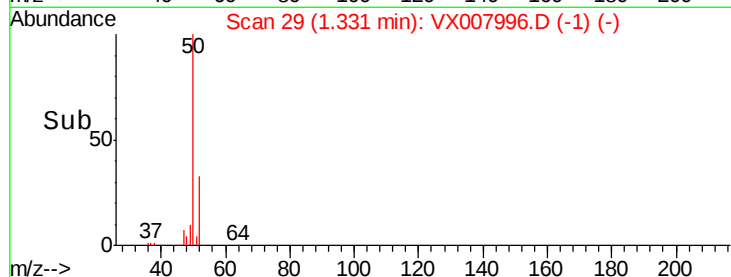
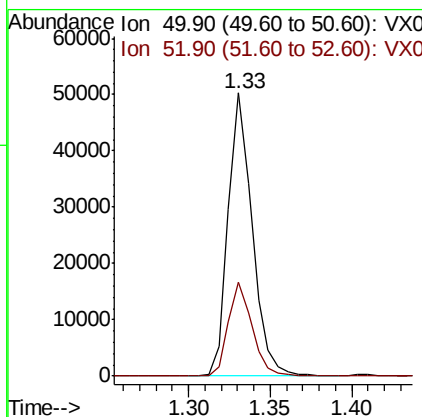
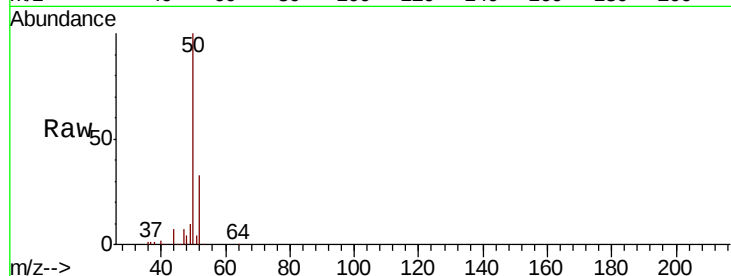
52 33.3 26.5 39.7

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#4

Vinyl Chloride

Concen: 19.806 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007996.D

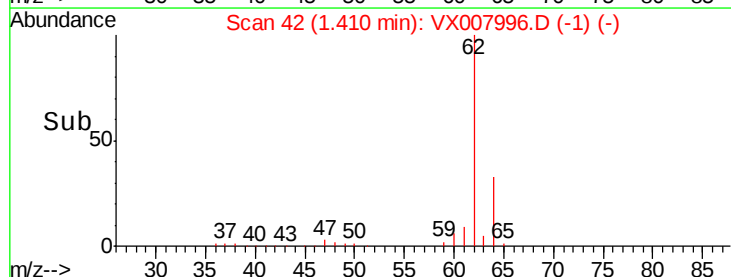
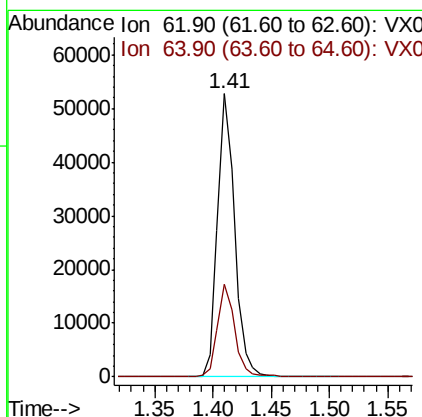
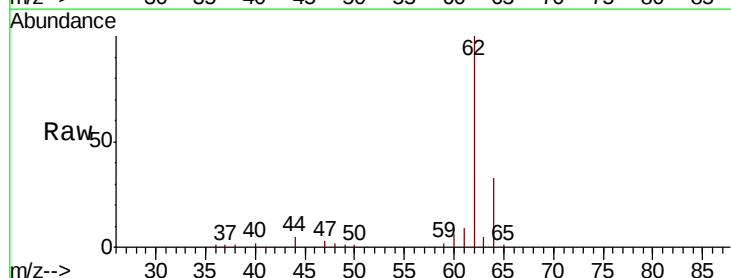
Acq: 12 Mar 2019 05:48

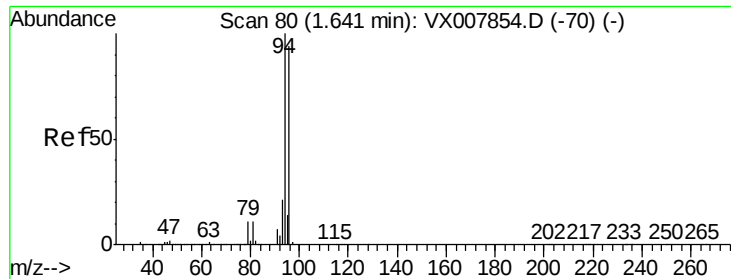
Tgt Ion: 62 Resp: 53430

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 23.546 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

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ClientSampleId :

VX0311WBSD03

Tgt Ion: 94 Resp: 30563

Ion Ratio Lower Upper

94 100

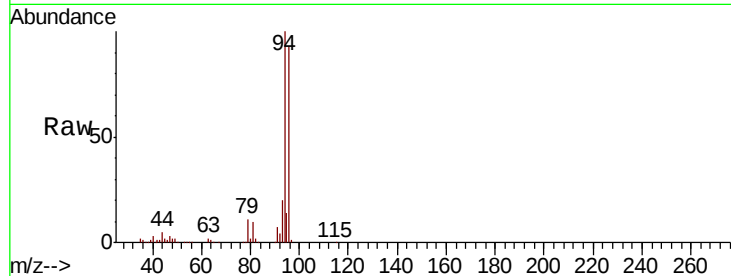
96 92.9 75.5 113.3

Manual Integrations

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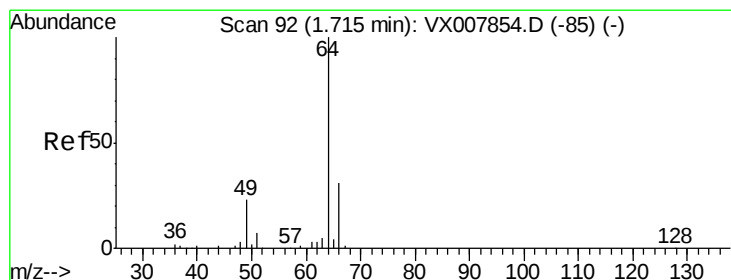
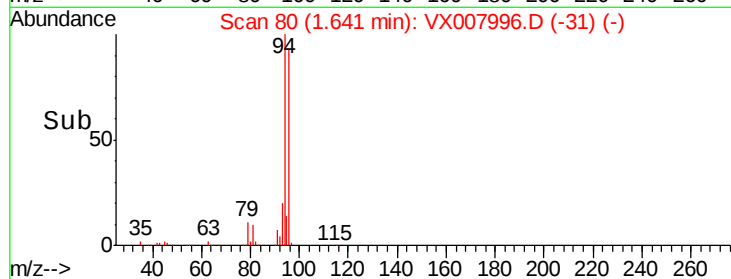
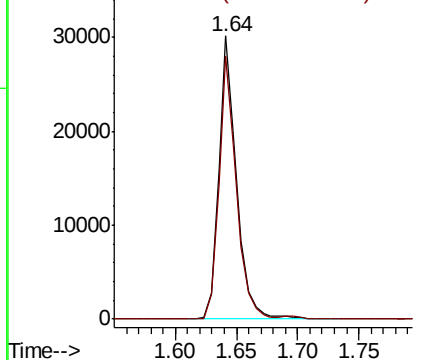
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.307 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007996.D

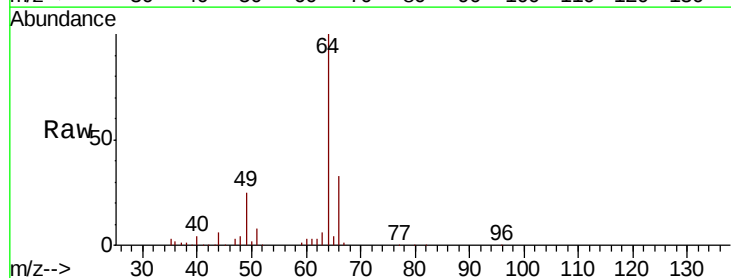
Acq: 12 Mar 2019 05:48

Tgt Ion: 64 Resp: 34601

Ion Ratio Lower Upper

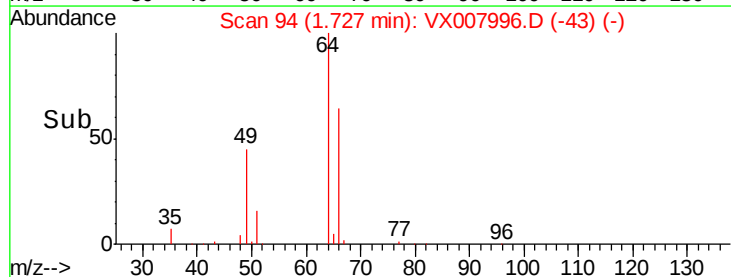
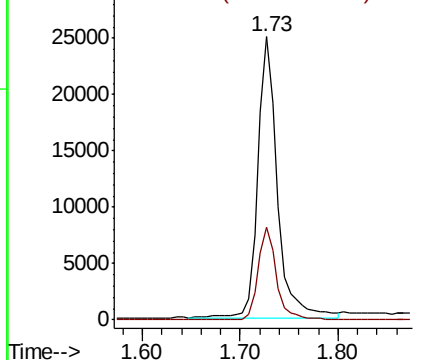
64 100

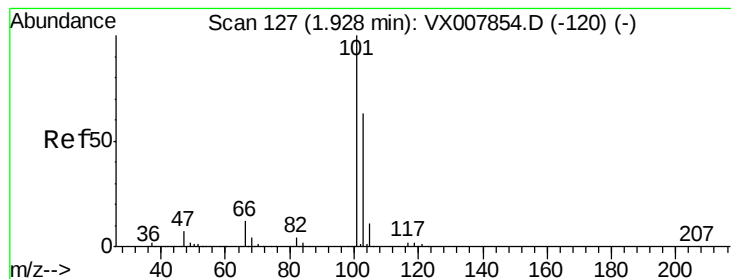
66 32.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

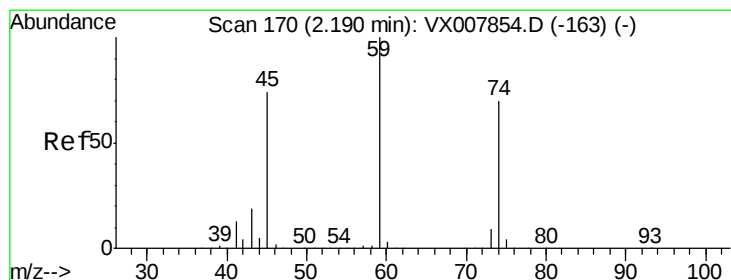
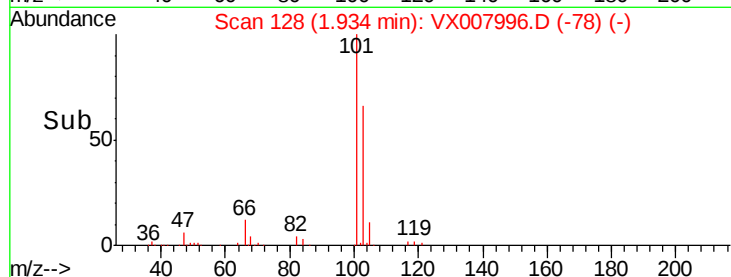
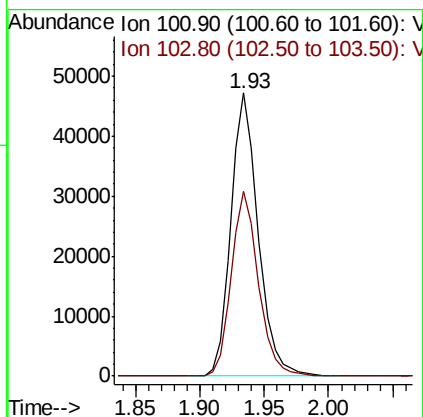
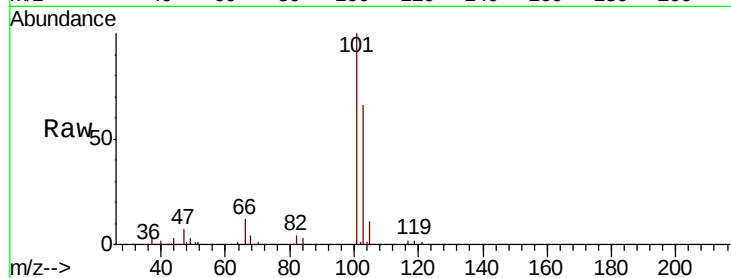
Trichlorofluoromethane
Concen: 19.892 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
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ClientSampleId :
VX0311WBSD03

Tgt Ion: 101 Resp: 69864
Ion Ratio Lower Upper
101 100
103 65.5 50.4 75.6

Manual Integrations
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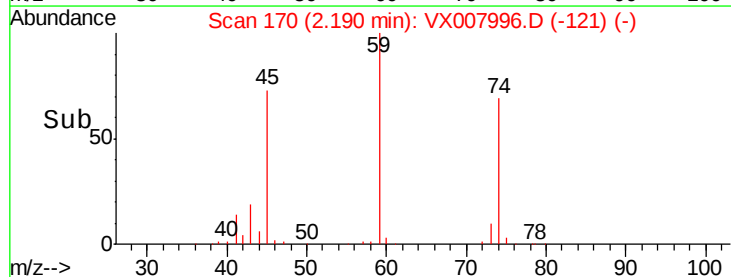
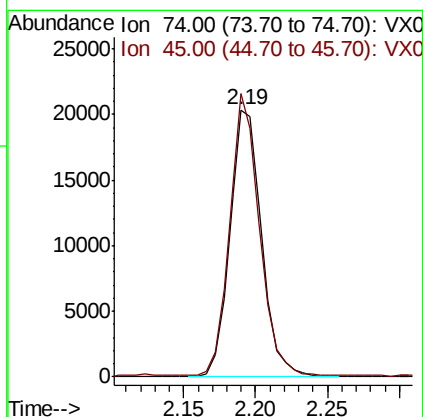
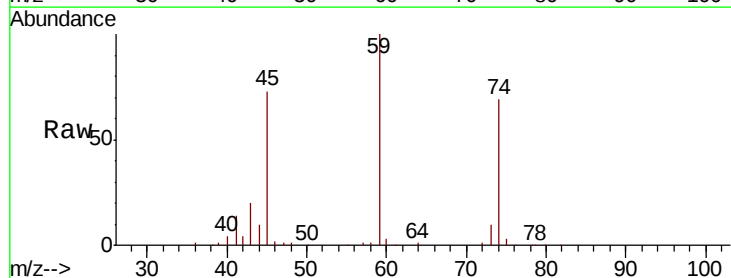
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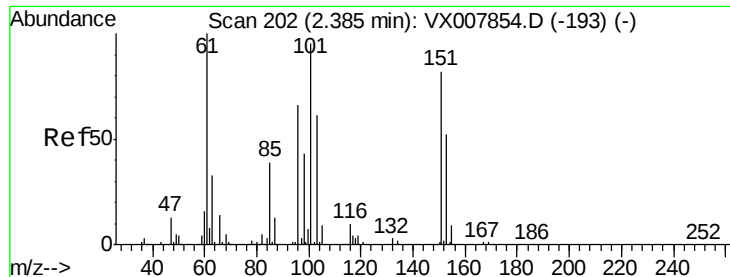


#8

Diethyl Ether
Concen: 20.477 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion: 74 Resp: 31143
Ion Ratio Lower Upper
74 100
45 99.5 52.1 156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.252 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

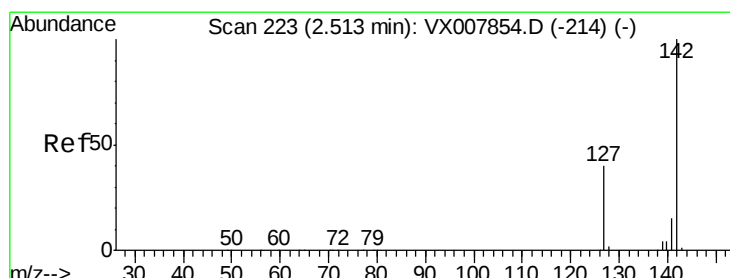
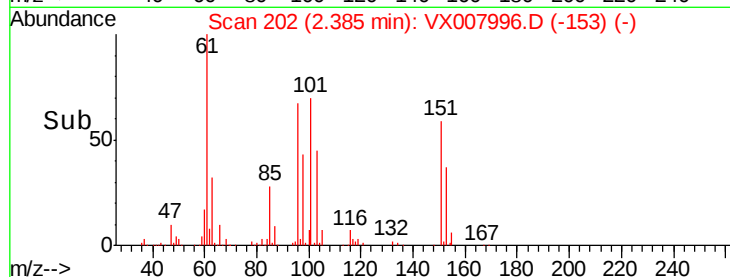
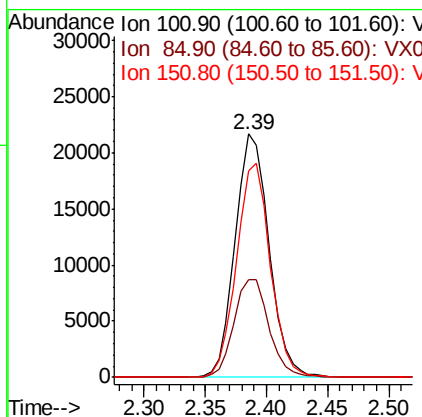
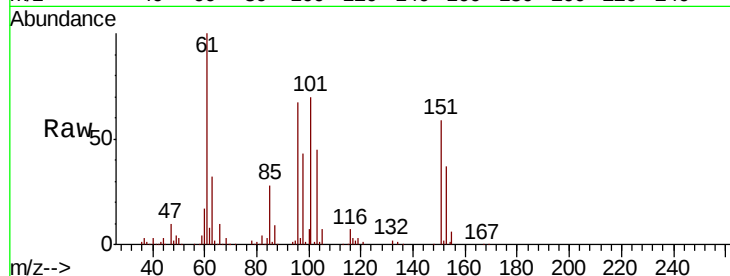
ClientSampleId :

VX0311WBSD03

Tgt Ion:	101	Resp:	41902
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.8	50.6
151	87.3	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 20.506 ug/l

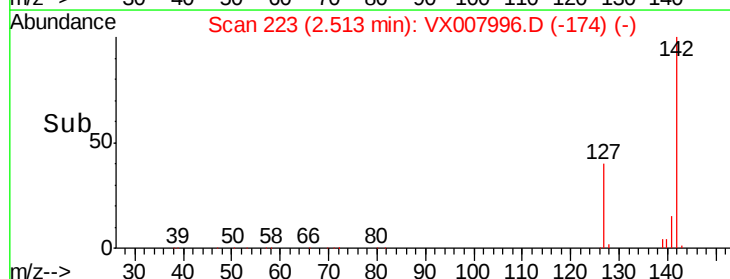
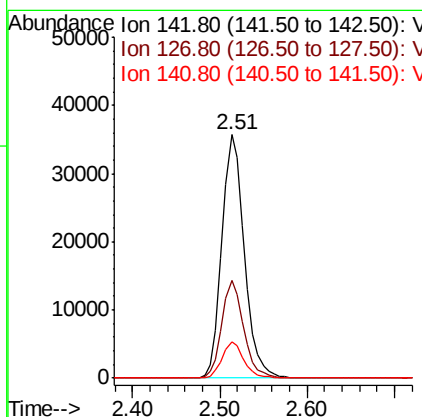
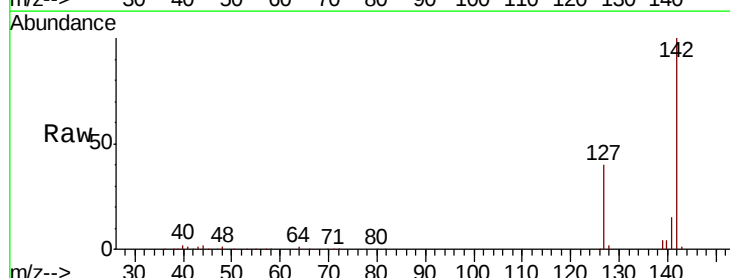
RT: 2.51 min Scan# 223

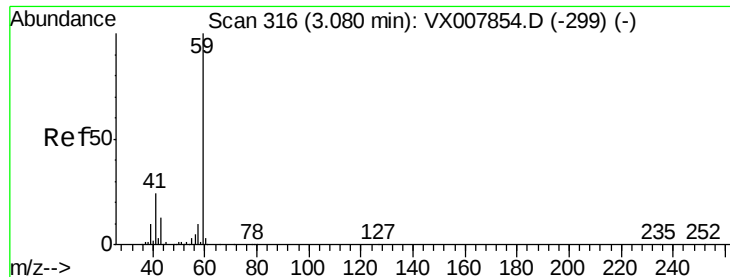
Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Tgt Ion:	142	Resp:	63316
Ion Ratio	Lower	Upper	
142	100		
127	38.9	32.1	48.1
141	14.6	11.4	17.2





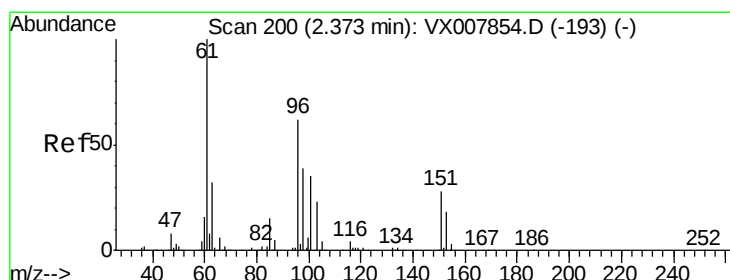
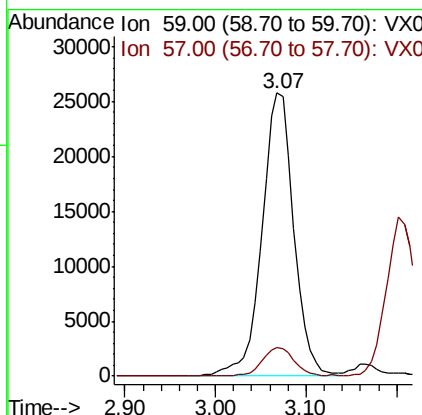
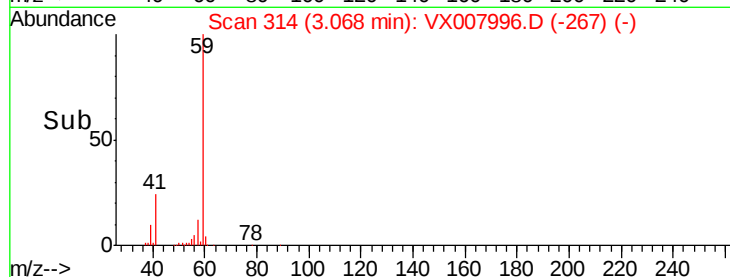
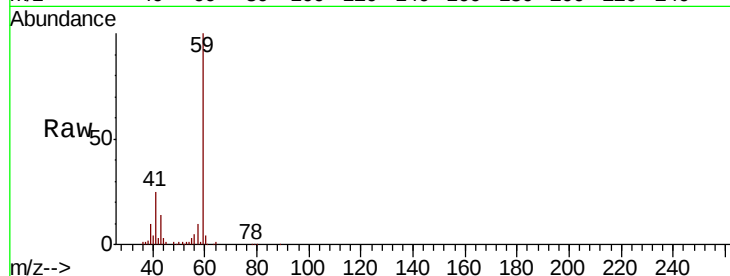
#11
Tert butyl alcohol
Concen: 107.738 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion: 59 Resp: 62675
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

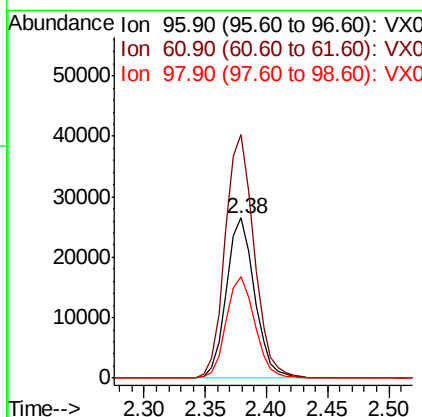
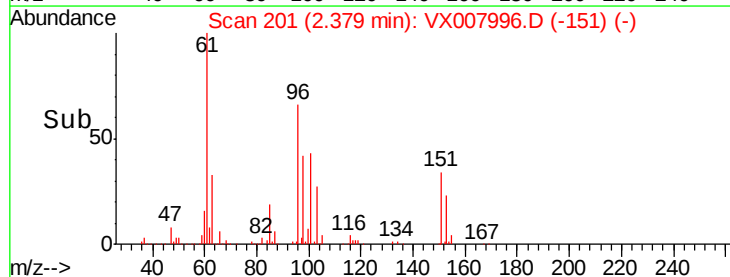
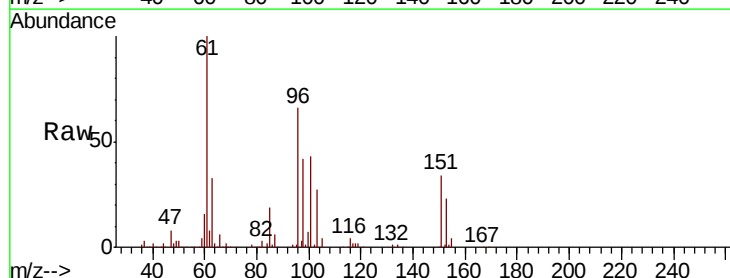
Manual Integrations
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3/12/2019 3:24:05 PM



#12
1,1-Dichloroethene
Concen: 20.130 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion: 96 Resp: 42232
Ion Ratio Lower Upper
96 100
61 152.1 129.8 194.6
98 63.6 51.0 76.6





#13

Acrolein

Concen: 88.032 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 56 Resp: 28650

Ion Ratio Lower Upper

56 100

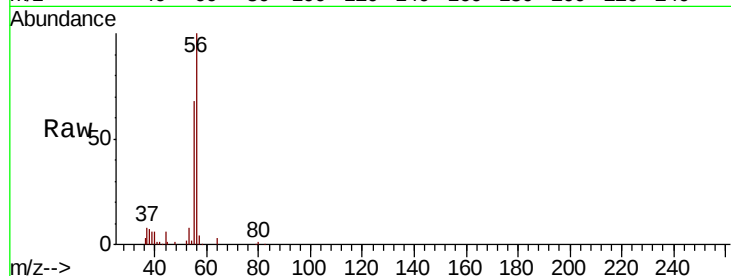
55 70.5 57.8 86.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

20000

15000

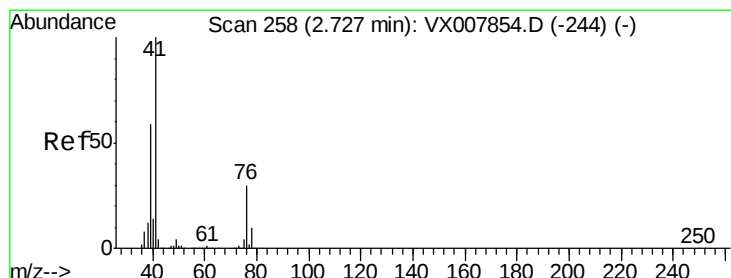
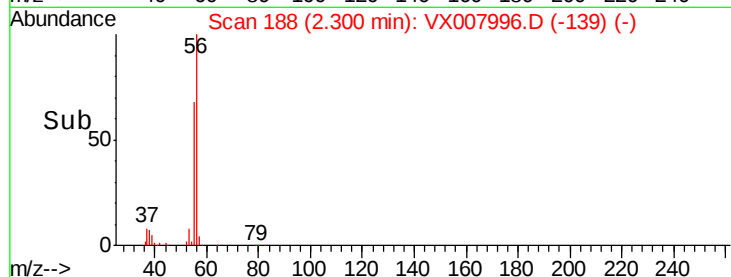
10000

5000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 18.116 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

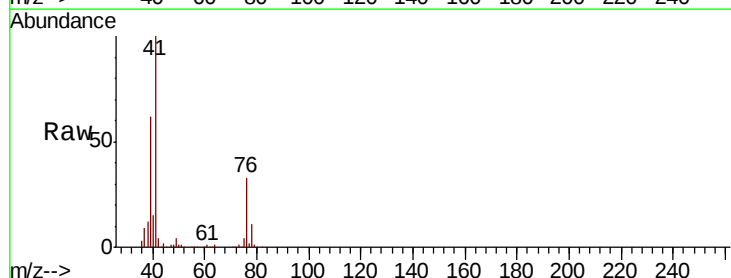
Tgt Ion: 41 Resp: 79865

Ion Ratio Lower Upper

41 100

39 58.6 46.1 69.1

76 31.0 24.0 36.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

50000

40000

30000

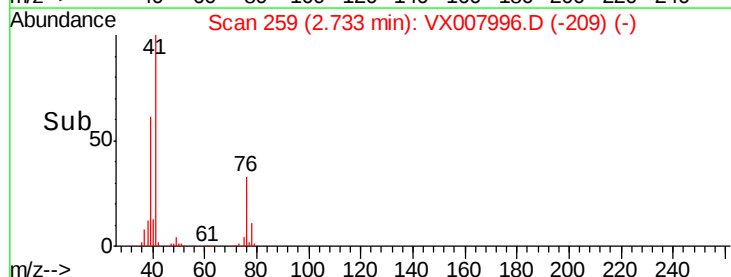
20000

10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 99.449 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

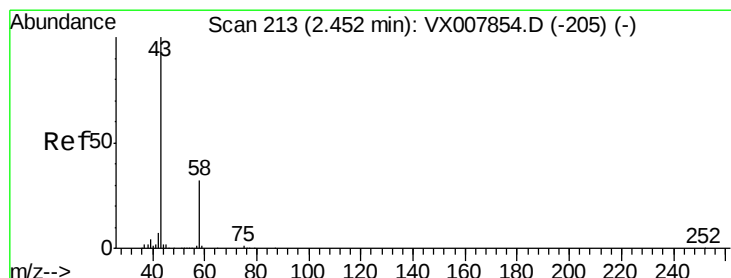
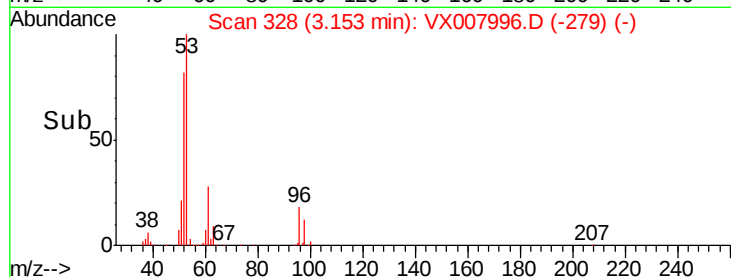
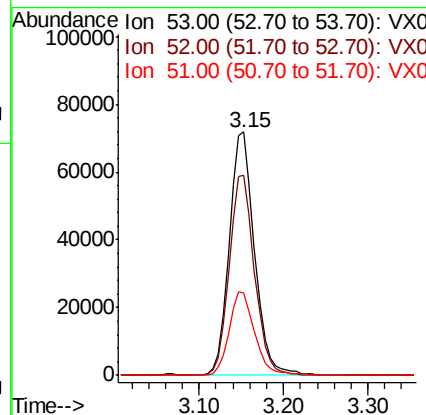
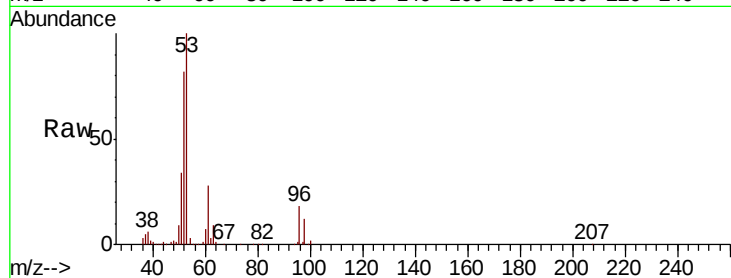
ClientSampleId :

VX0311WBSD03

Tgt Ion:	53	Resp:	146026
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.0	99.0
51	34.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 80.230 ug/l

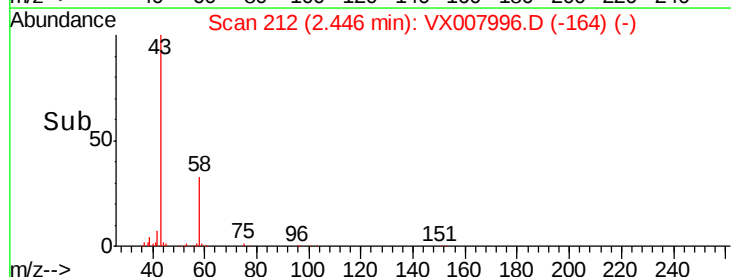
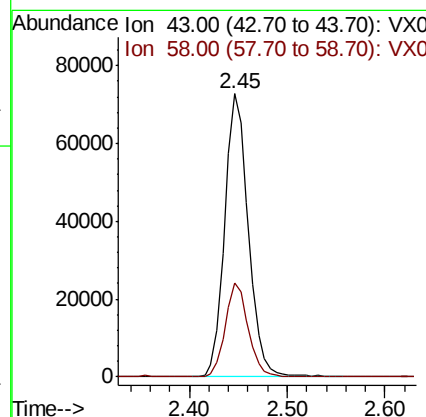
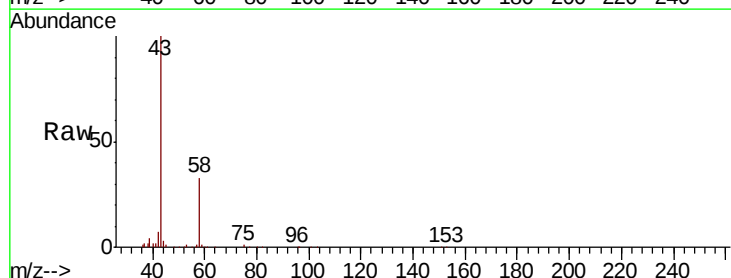
RT: 2.45 min Scan# 212

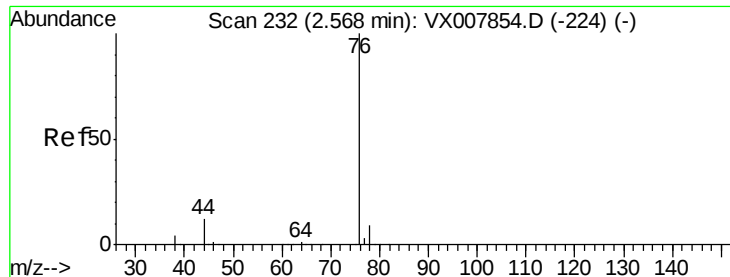
Delta R.T. -0.01 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Tgt Ion:	43	Resp:	120797
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.5	38.3





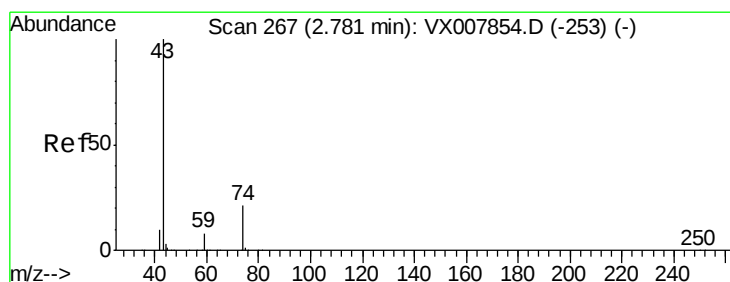
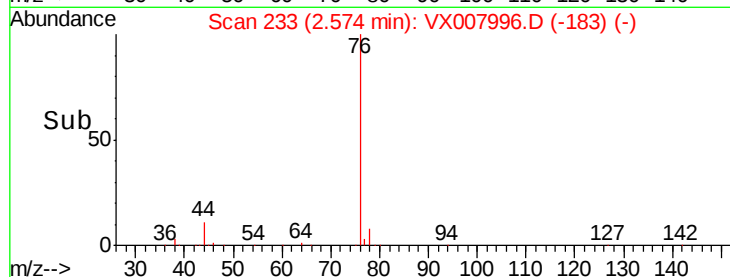
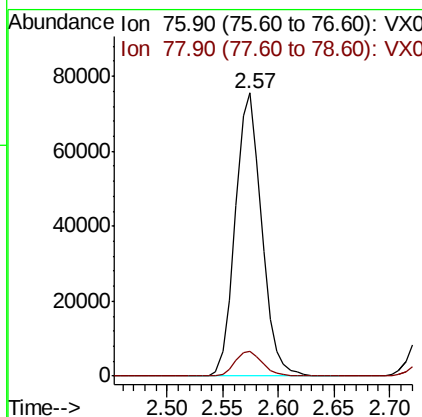
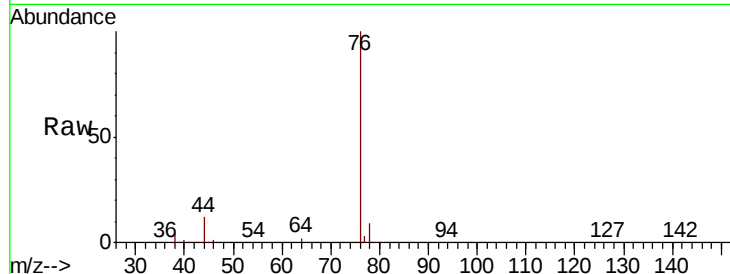
#17
Carbon Disulfide
Concen: 19.220 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

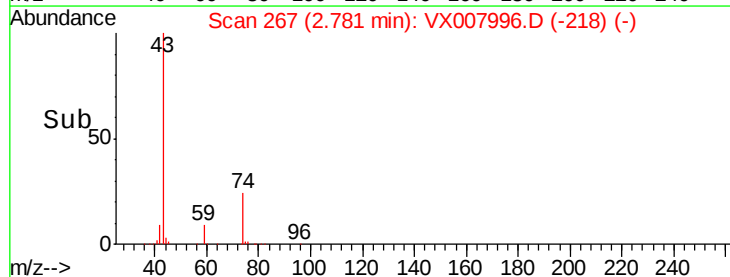
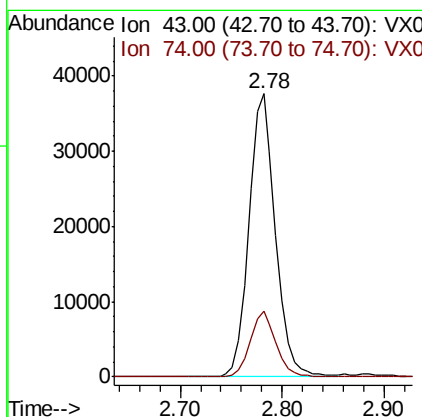
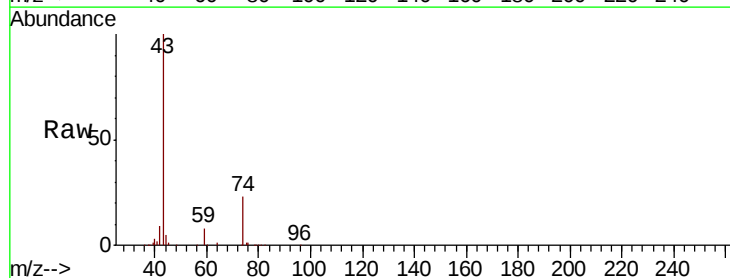
Manual Integrations
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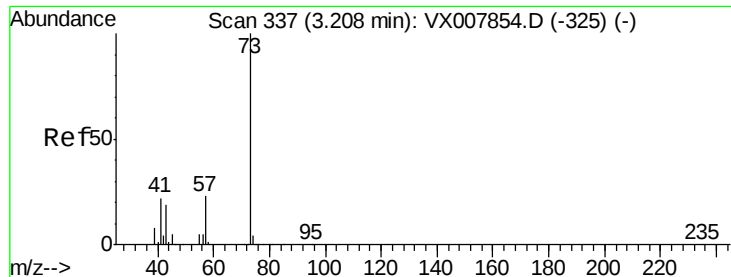
MMDadoda
3/12/2019 3:24:05 PM



#18
Methyl Acetate
Concen: 21.060 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	17.8	26.6





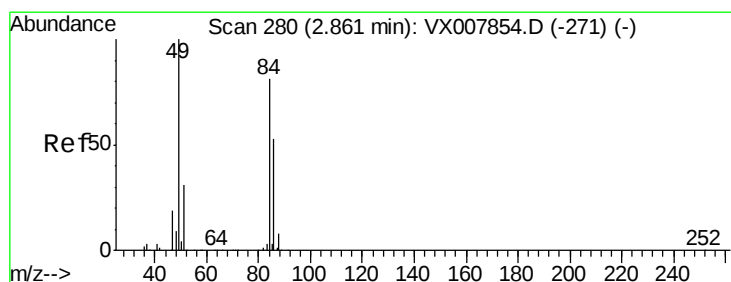
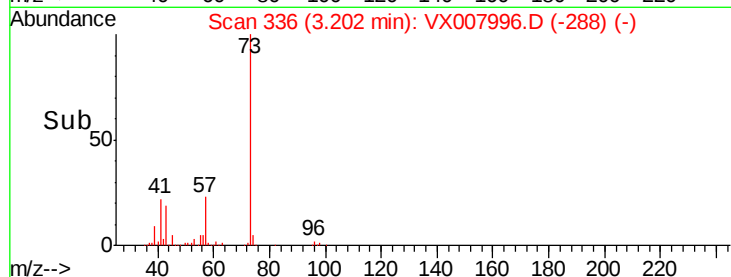
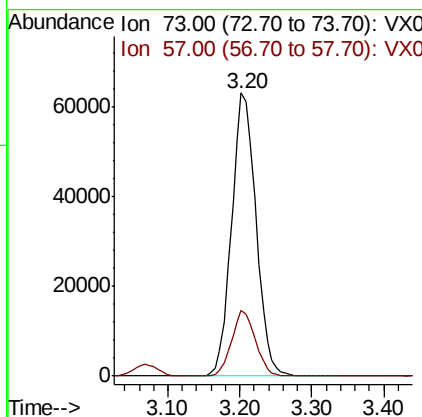
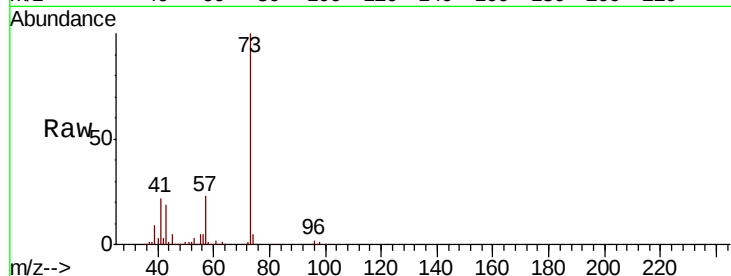
#19
Methyl tert-butyl Ether
Concen: 20.597 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion: 73 Resp: 148664
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.4

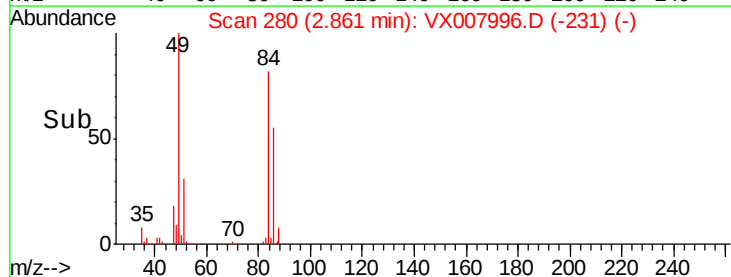
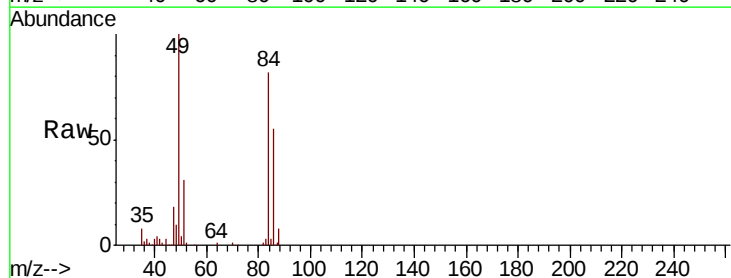
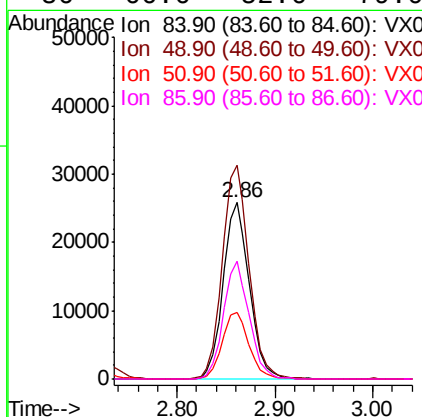
Manual Integrations
APPROVED

MMDadoda
3/12/2019 3:24:05 PM



#20
Methylene Chloride
Concen: 19.998 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion: 84 Resp: 47921
Ion Ratio Lower Upper
84 100
49 121.3 99.3 148.9
51 37.6 31.3 46.9
86 66.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.198 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 96 Resp: 44318

Ion Ratio Lower Upper

96 100

61 144.5 114.4 171.6

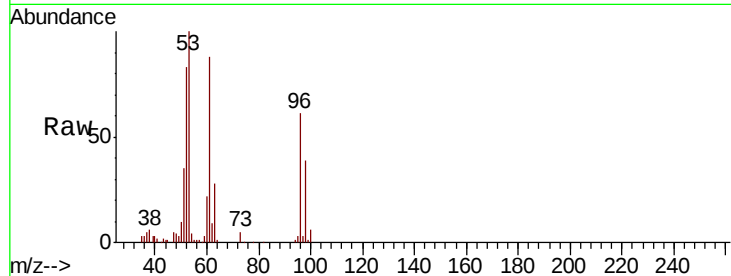
98 65.0 51.1 76.7

Manual Integrations

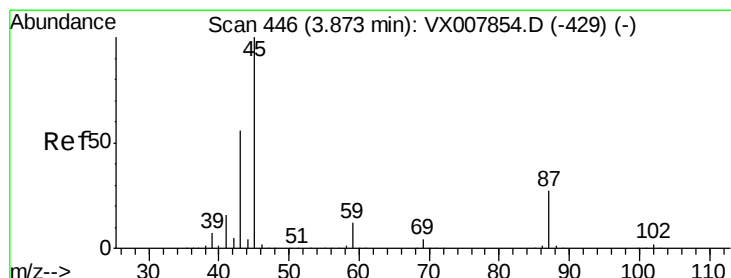
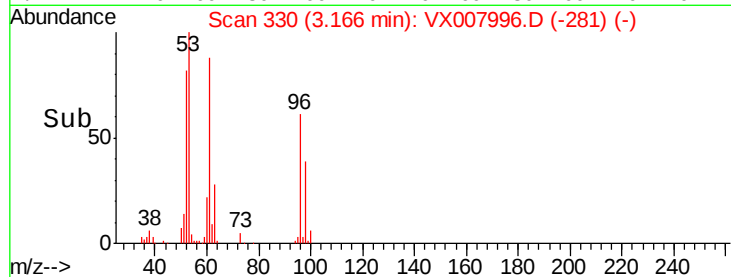
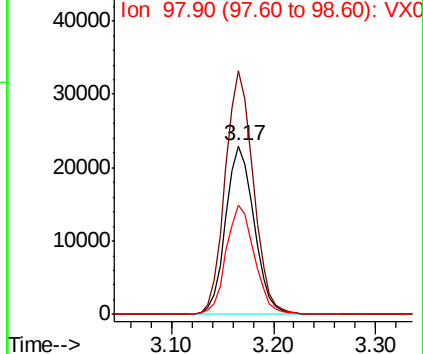
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.748 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Tgt Ion: 45 Resp: 159588

Ion Ratio Lower Upper

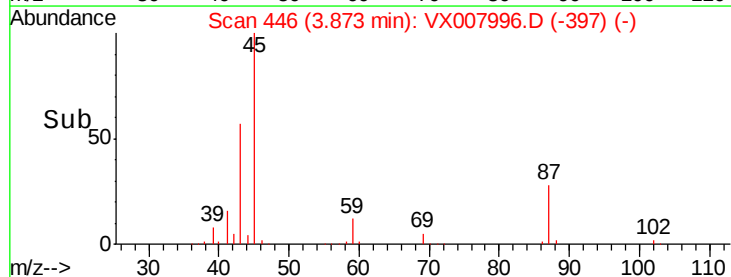
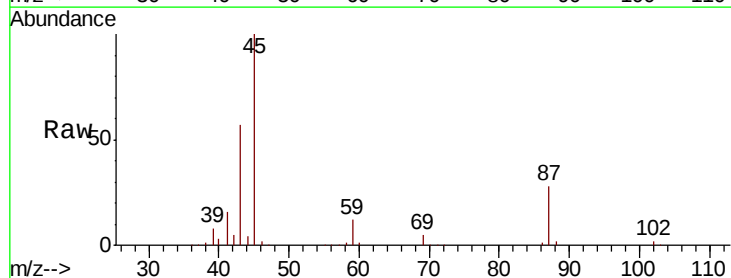
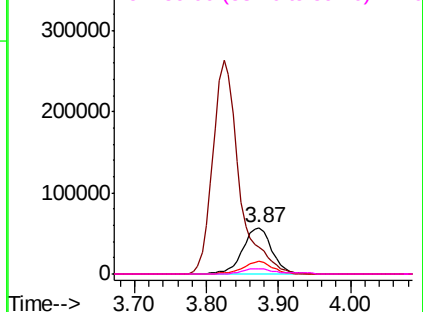
45 100

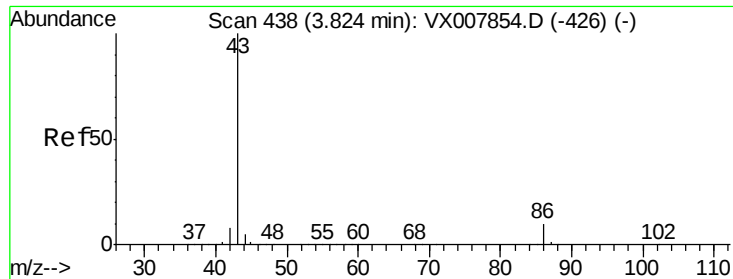
43 56.9 45.3 67.9

87 27.8 21.4 32.0

59 11.9 9.5 14.3

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 94.675 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 43 Resp: 670940

Ion Ratio Lower Upper

43 100

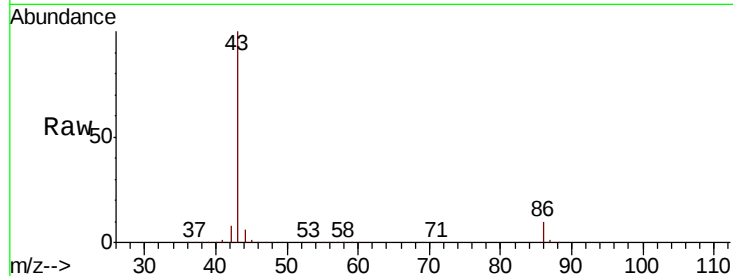
86 10.2 7.9 11.9

Manual Integrations

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3/12/2019 3:24:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

250000

200000

150000

100000

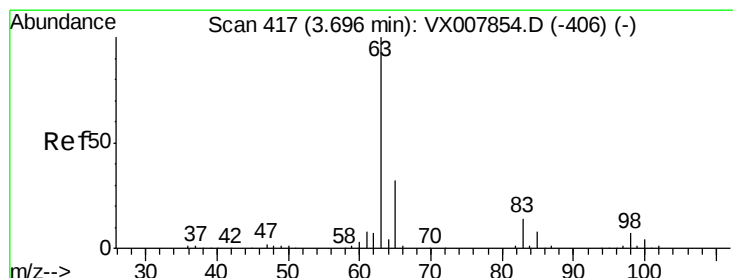
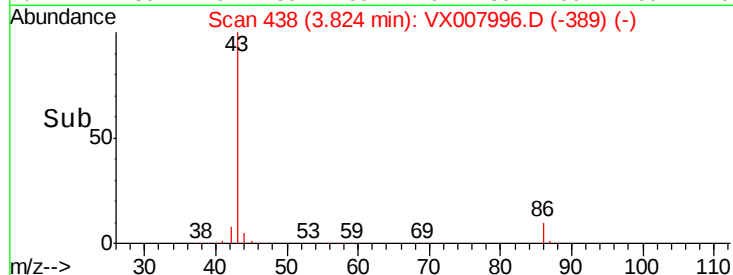
50000

0

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.710 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

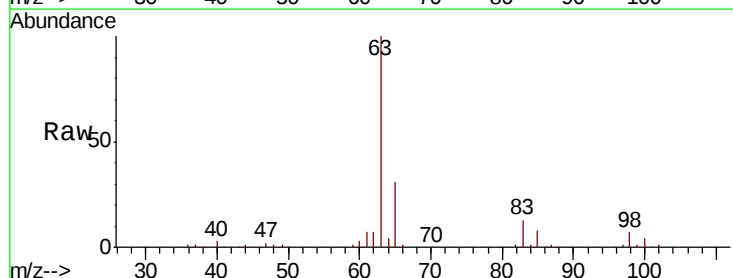
Tgt Ion: 63 Resp: 85717

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.2 2.3 6.8



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

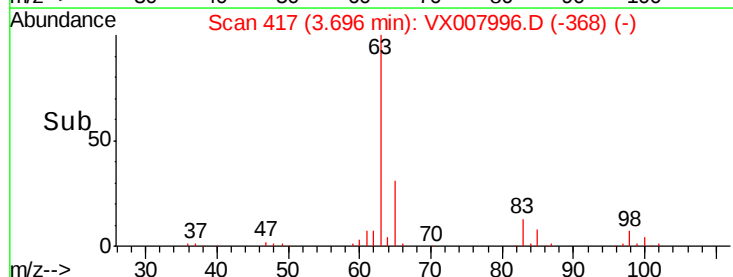
0

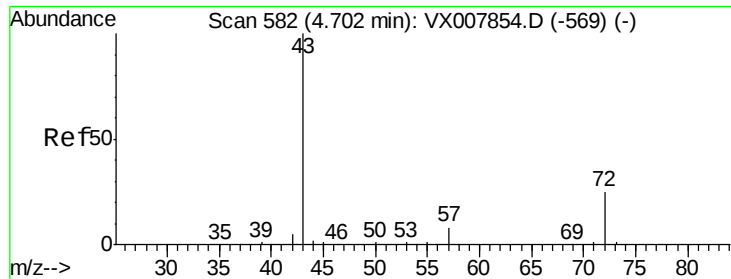
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 93.286 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 43 Resp: 198848

Ion Ratio Lower Upper

43 100

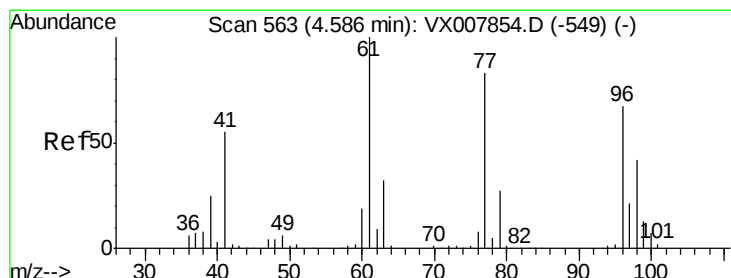
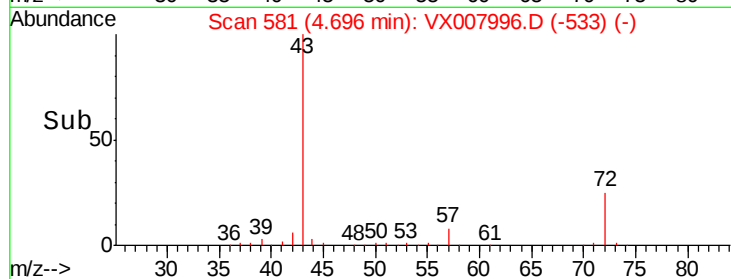
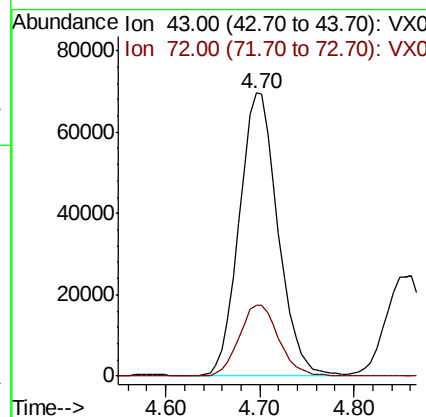
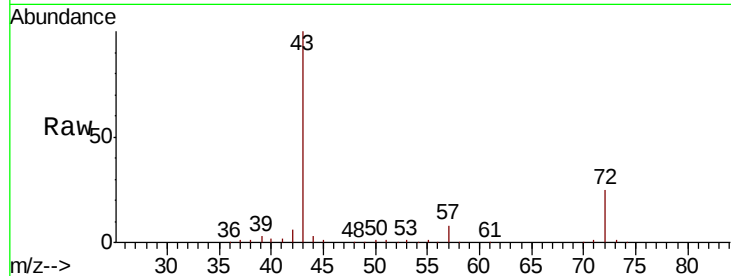
72 24.9 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

3/12/2019 3:24:05 PM



#26

2,2-Dichloropropane

Concen: 13.316 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007996.D

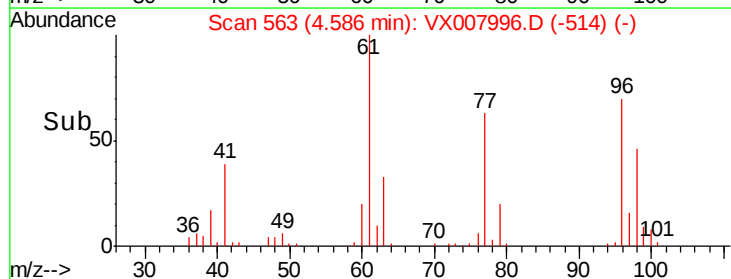
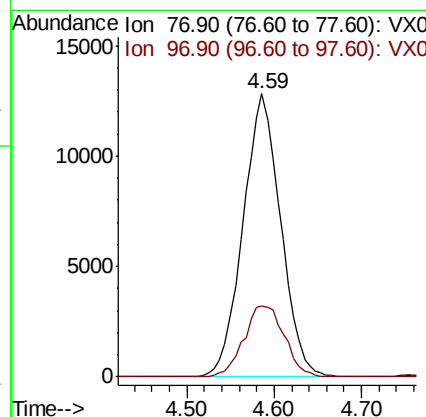
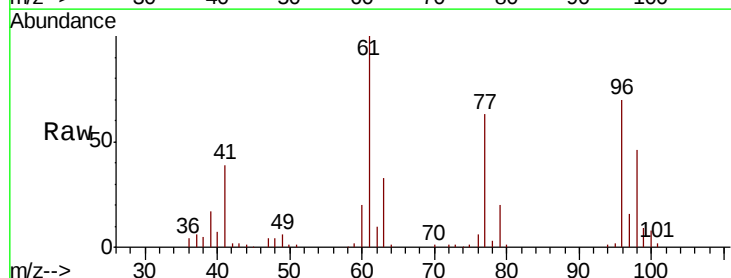
Acq: 12 Mar 2019 05:48

Tgt Ion: 77 Resp: 38368

Ion Ratio Lower Upper

77 100

97 27.0 12.2 36.6





#27

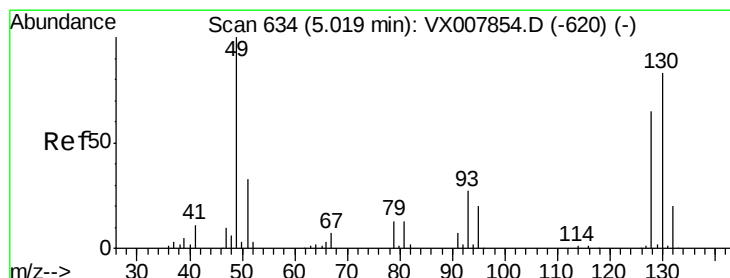
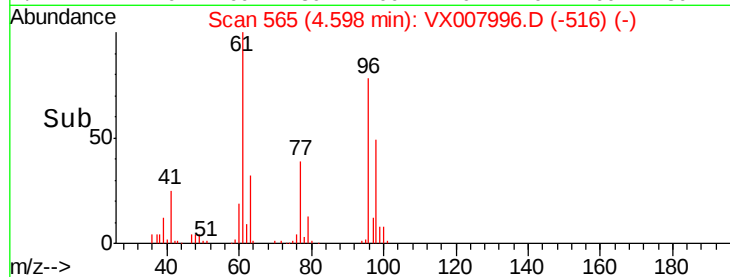
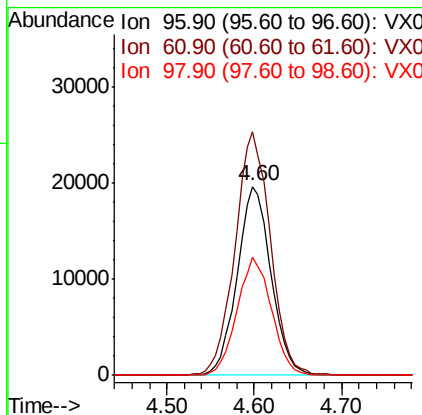
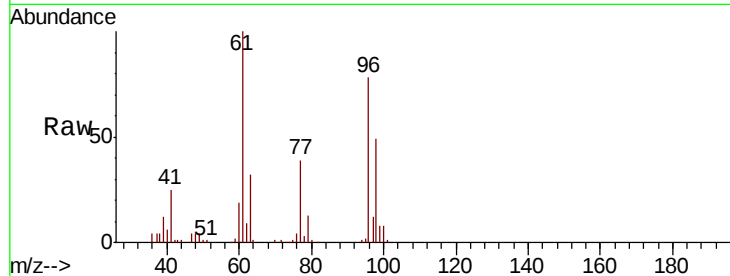
cis-1,2-Dichloroethene
Concen: 19.980 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	288.0
98	63.7	0.0	129.0

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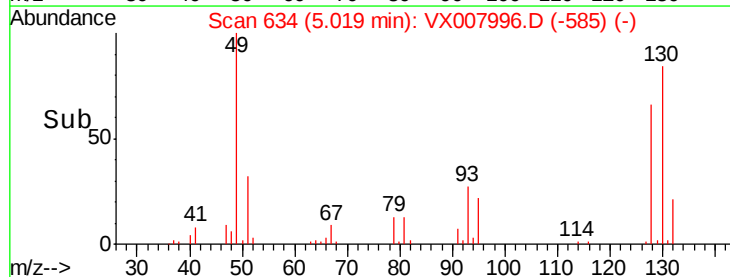
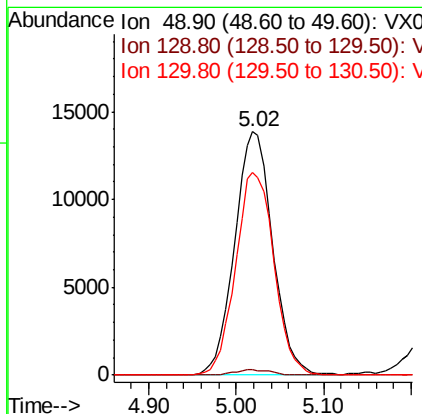
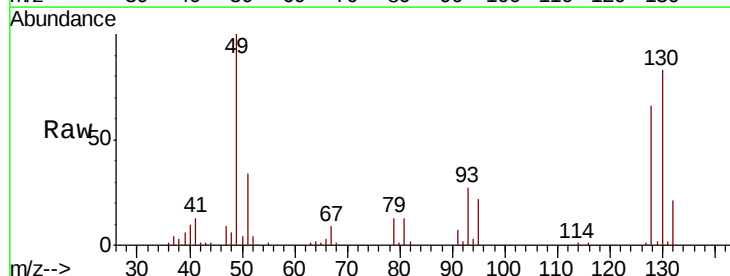
MMDadoda
3/12/2019 3:24:05 PM

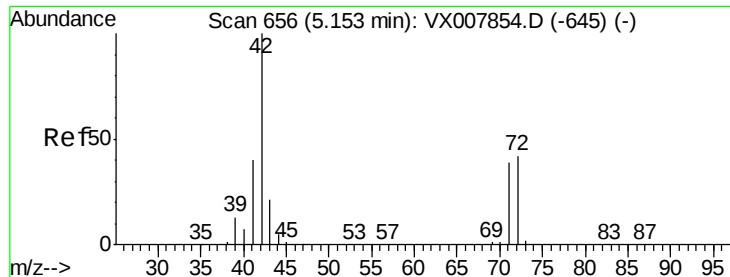


#28

Bromochloromethane
Concen: 20.651 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.7	65.0	97.4





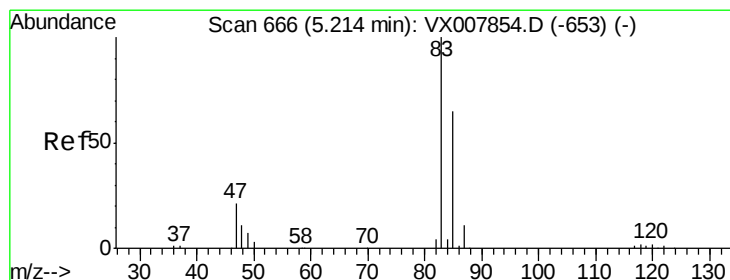
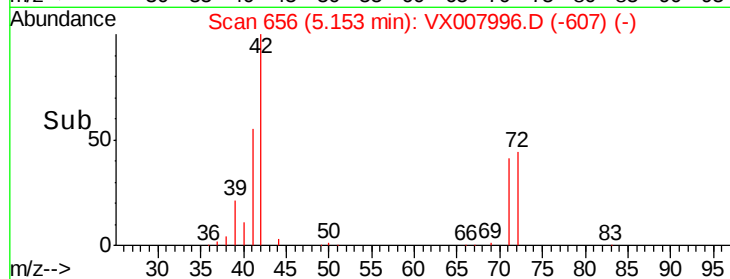
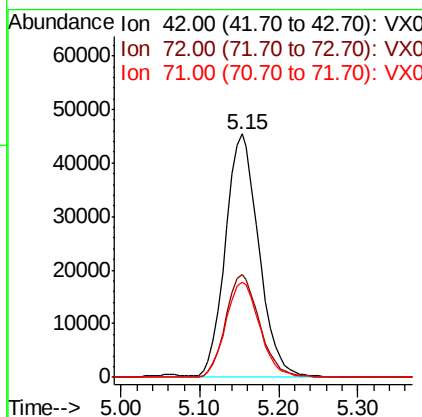
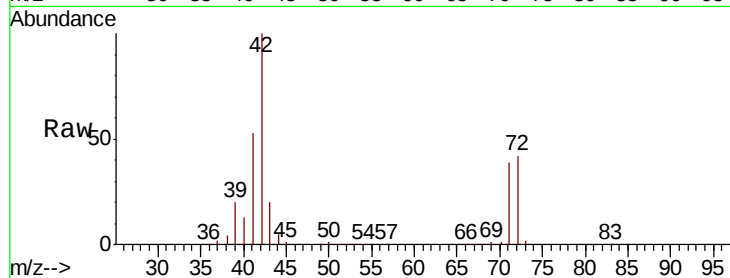
#29
Tetrahydrofuran
Concen: 100.050 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.8	50.6
71	40.3	31.5	47.3

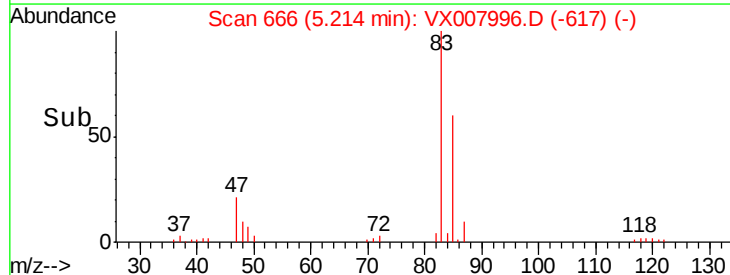
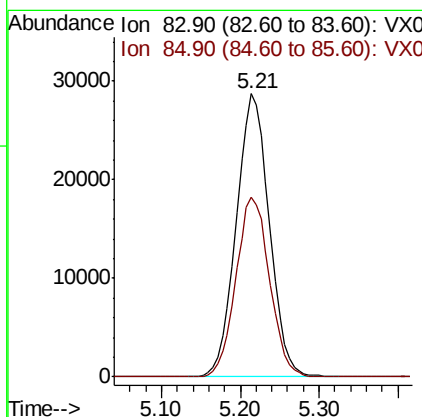
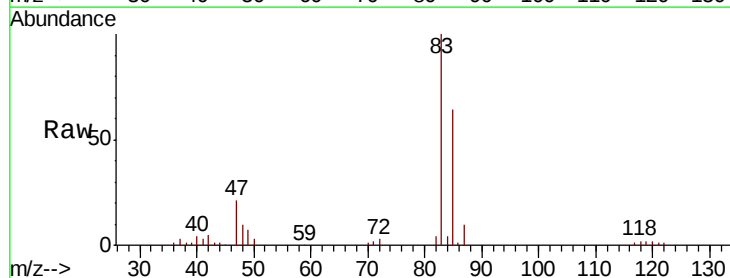
Manual Integrations
APPROVED

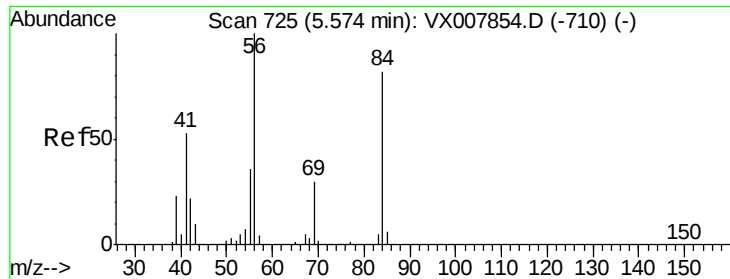
MMDadoda
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#30
Chloroform
Concen: 20.333 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6





#31

Cyclohexane

Concen: 18.937 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 56 Resp: 75691

Ion Ratio Lower Upper

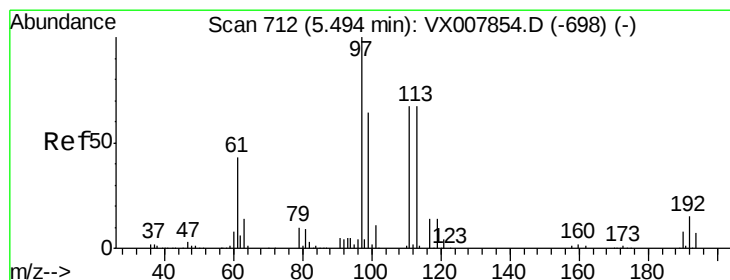
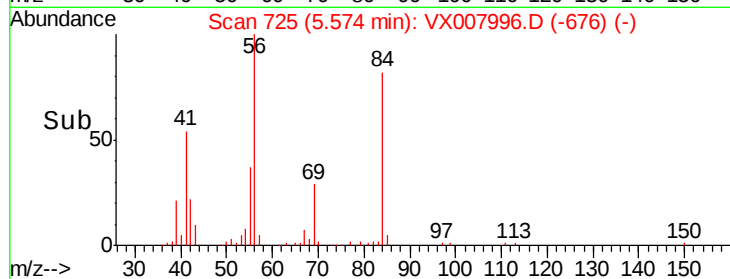
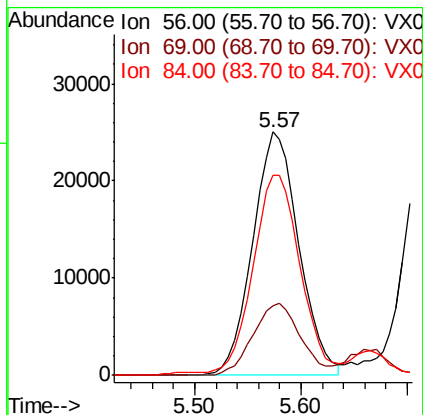
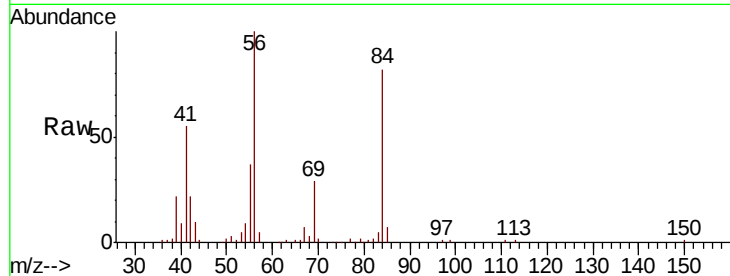
56 100

69 28.7 24.0 36.0

84 81.2 65.3 97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.149 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

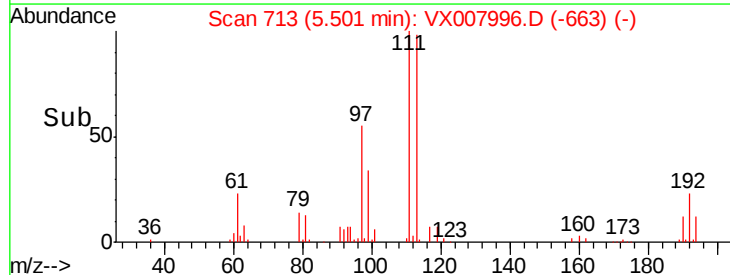
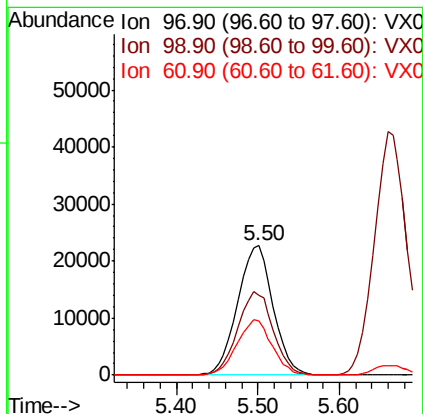
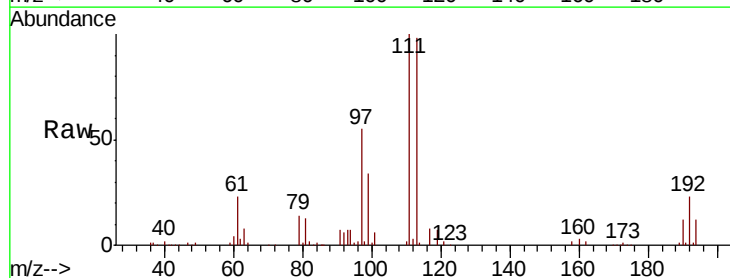
Tgt Ion: 97 Resp: 68775

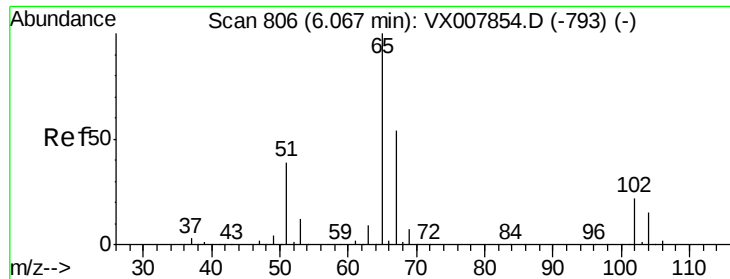
Ion Ratio Lower Upper

97 100

99 64.5 52.2 78.2

61 42.2 34.9 52.3





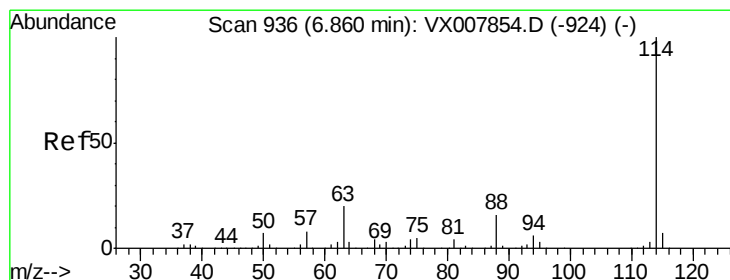
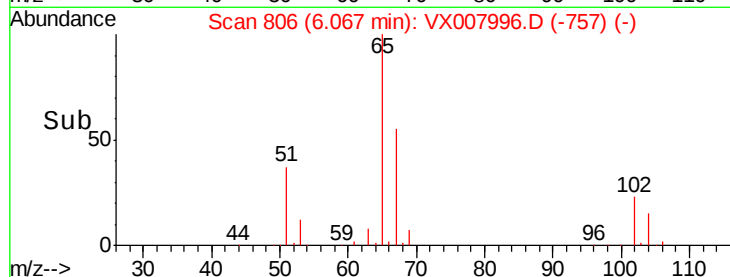
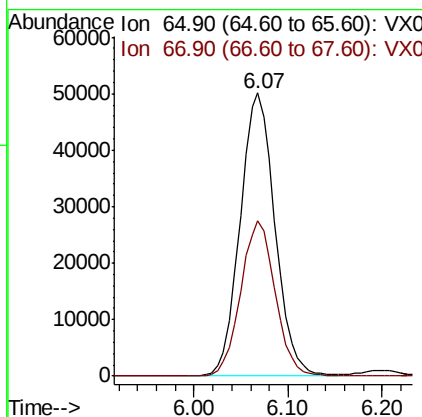
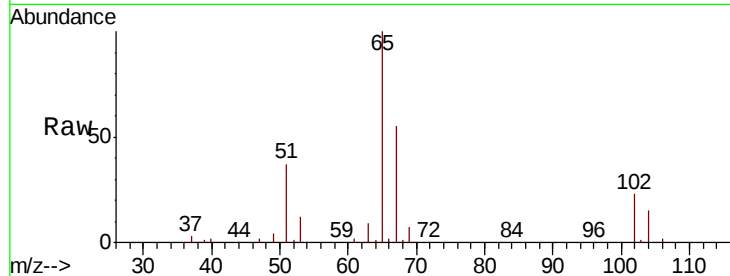
#33
 1,2-Dichloroethane-d4
 Concen: 49.905 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD03

Tgt Ion: 65 Resp: 129818
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.0

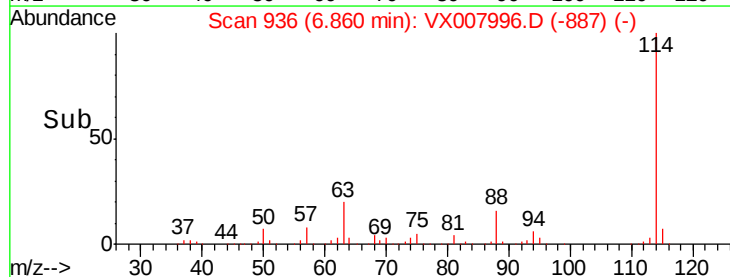
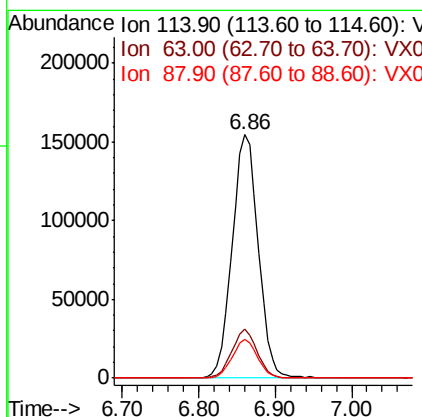
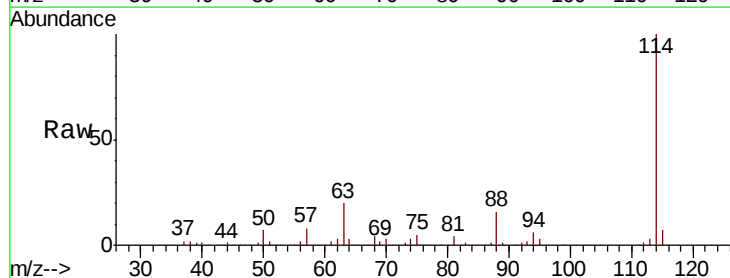
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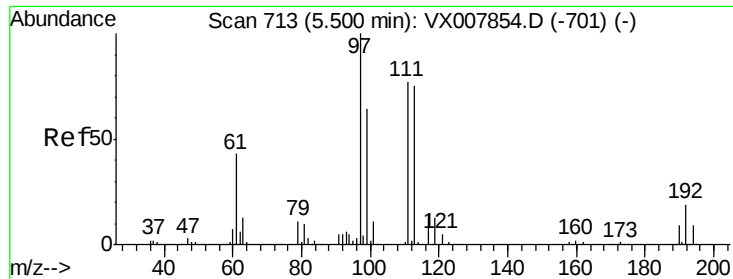
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Tgt Ion: 114 Resp: 364726
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.408 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

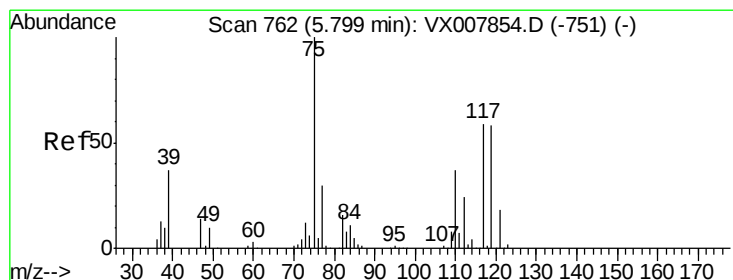
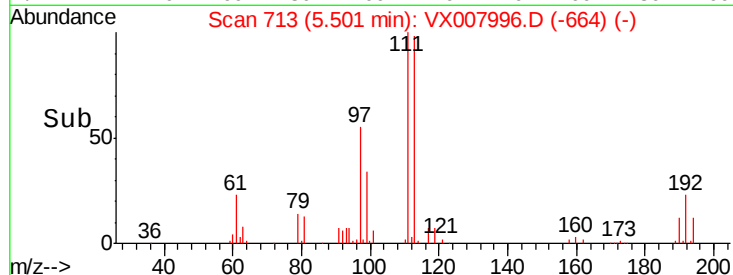
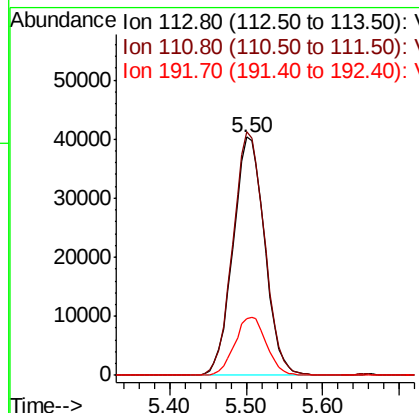
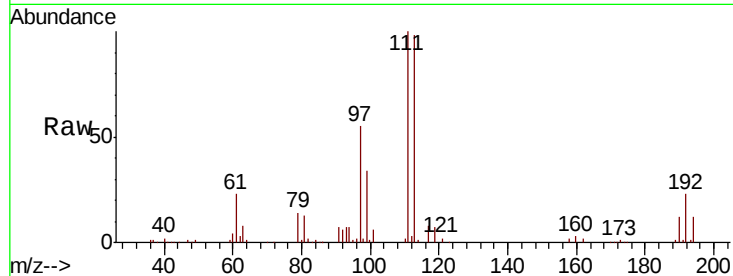
ClientSampleId :

VX0311WBSD03

Tgt Ion:	113	Resp:	115271
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	24.4	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.958 ug/l

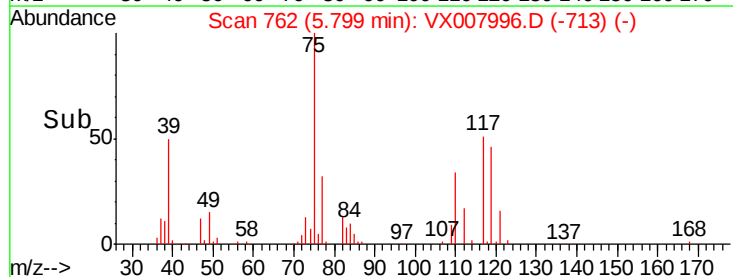
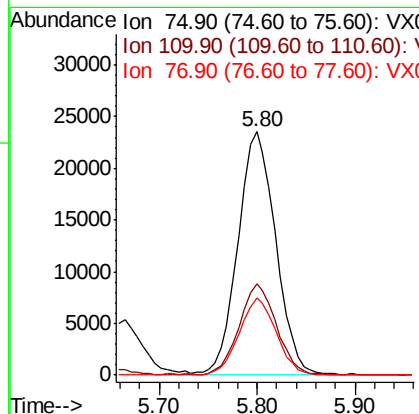
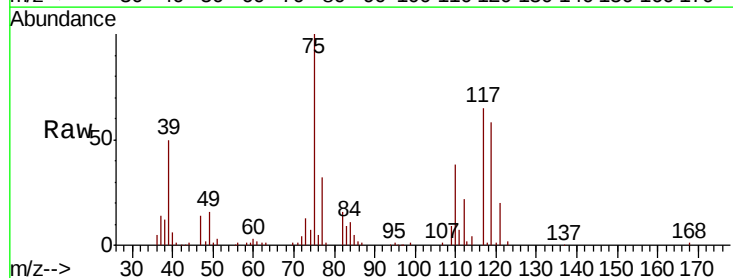
RT: 5.80 min Scan# 762

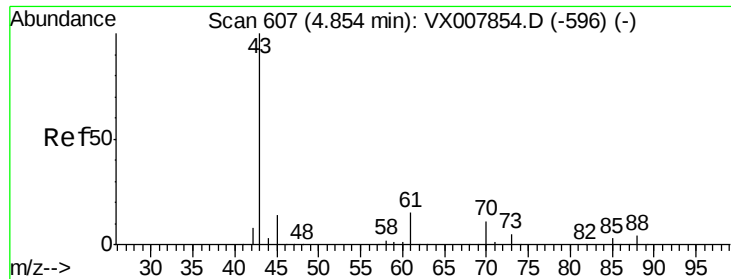
Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Tgt Ion:	75	Resp:	62609
Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.4	55.0
77	31.3	25.0	37.4





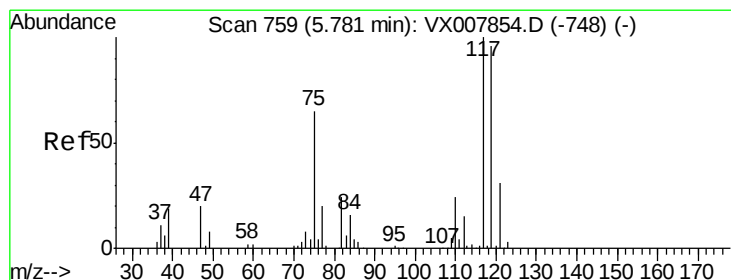
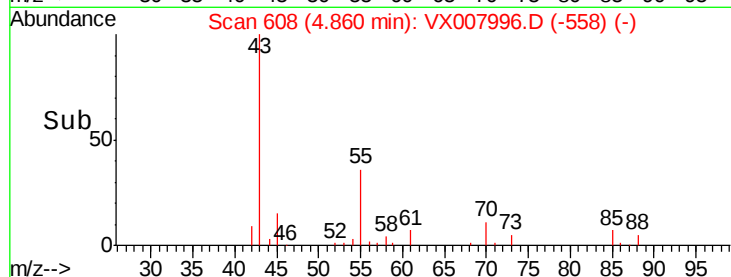
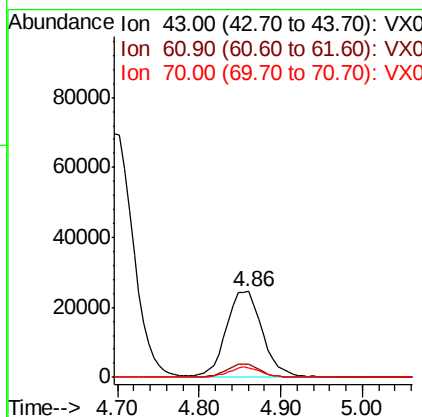
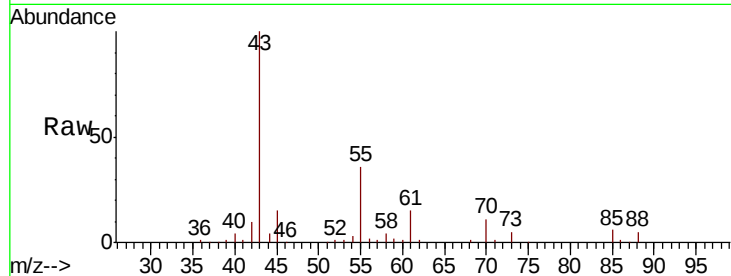
#37
Ethyl Acetate
Concen: 19.002 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.3	16.9
70	10.9	8.5	12.7

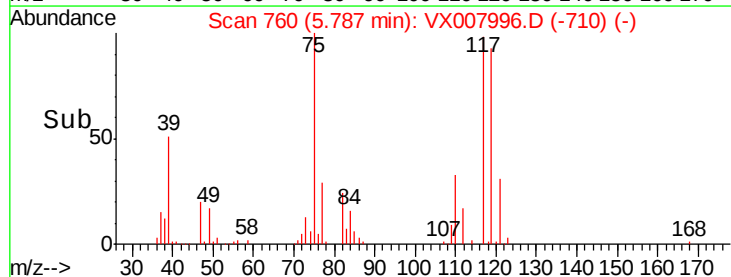
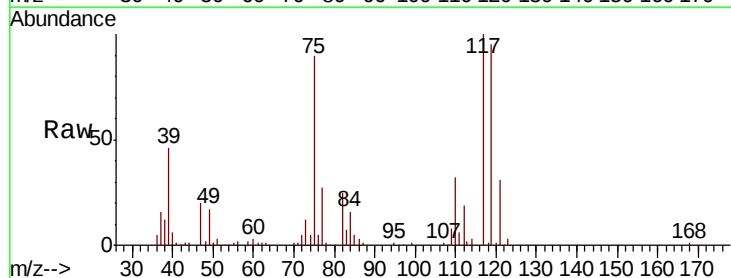
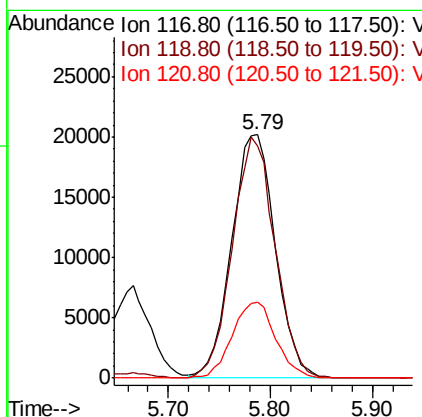
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 19.166 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	31.4	24.6	36.8





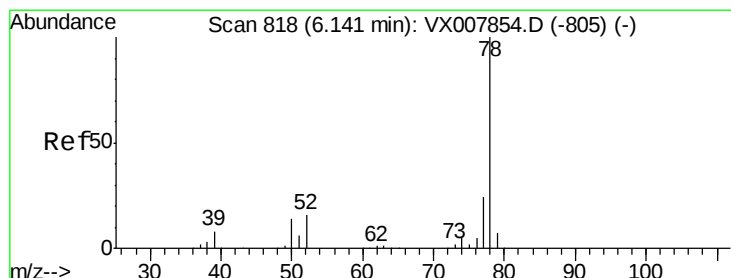
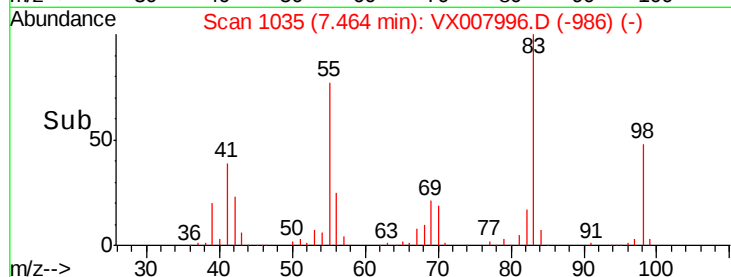
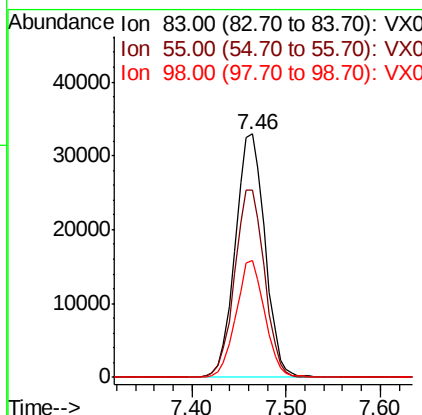
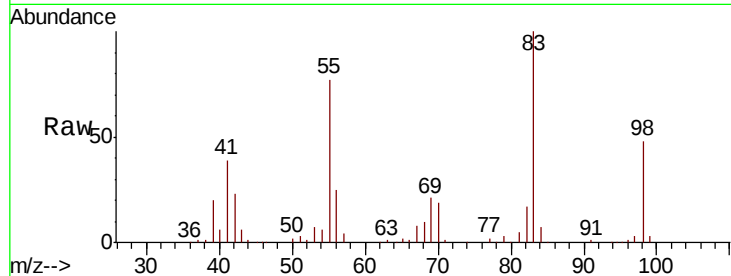
#39
Methylcyclohexane
Concen: 18.008 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.1	60.4	90.6
98	48.2	36.5	54.7

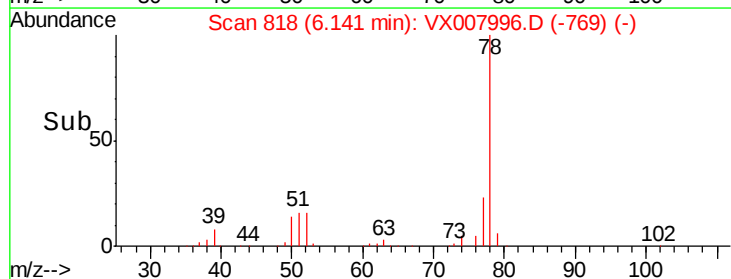
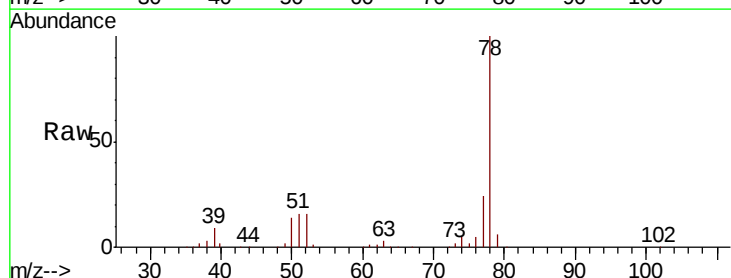
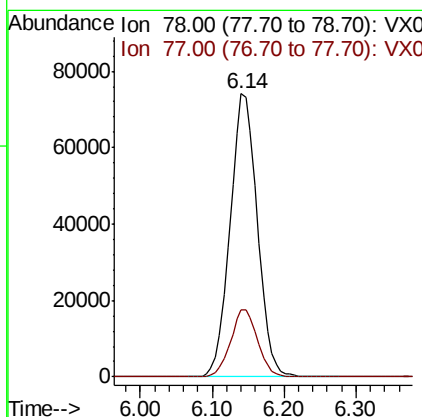
Manual Integrations
APPROVED

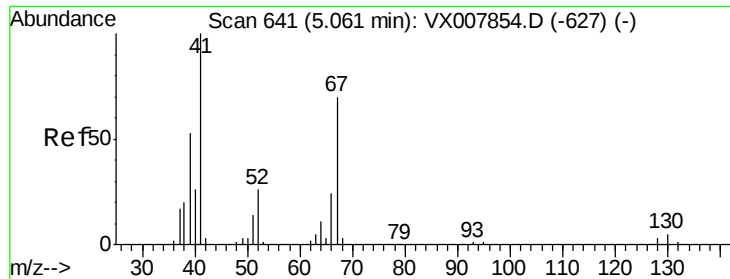
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#40
Benzene
Concen: 19.832 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





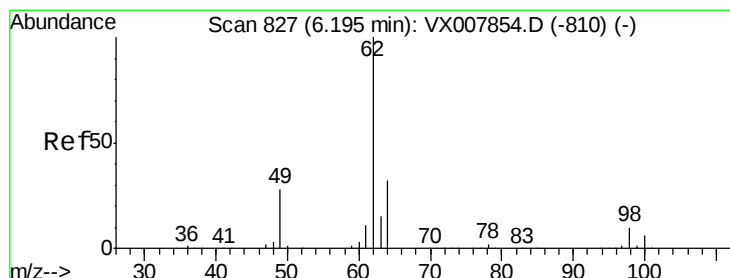
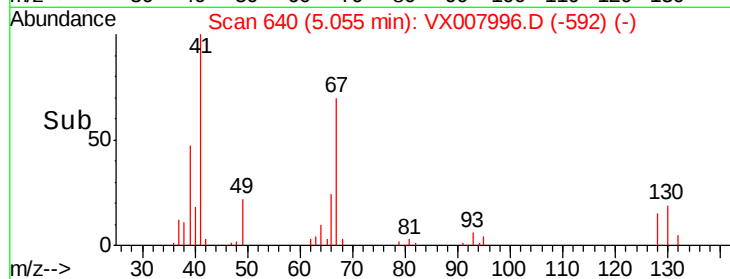
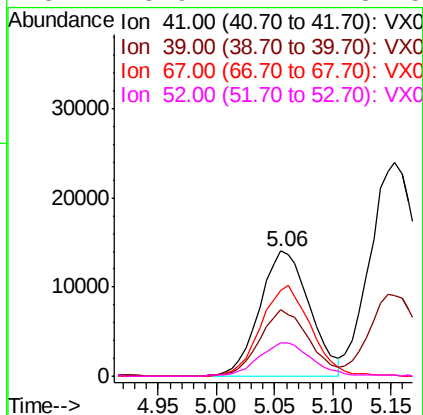
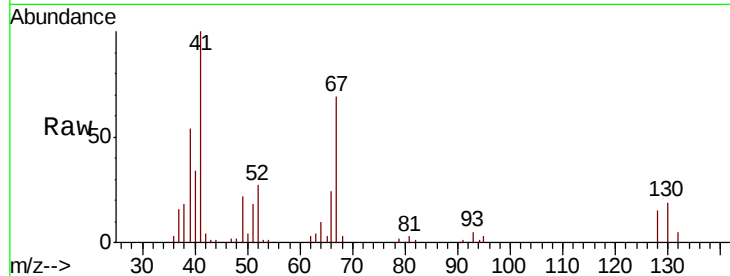
#41
Methacrylonitrile
Concen: 19.613 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.6	41.6	62.4
67	72.5	55.8	83.6
52	28.9	21.7	32.5

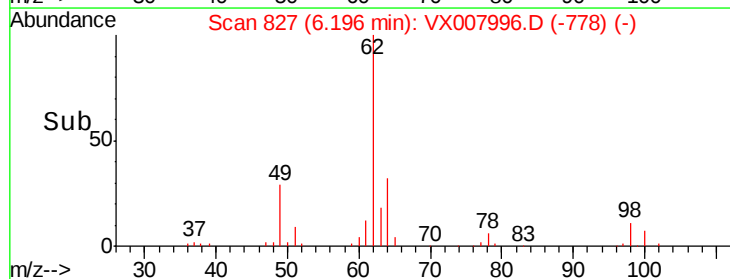
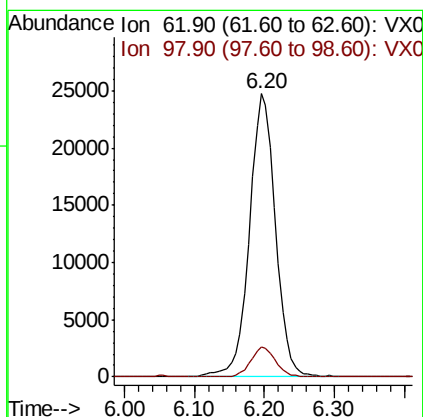
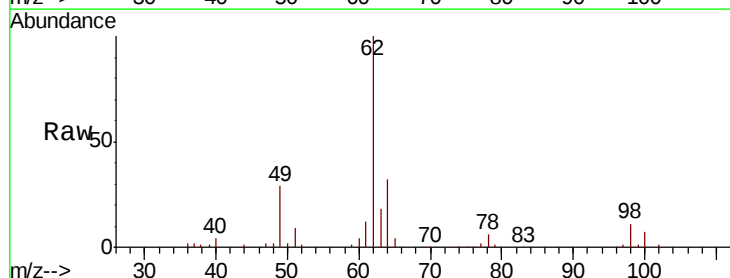
Manual Integrations
APPROVED

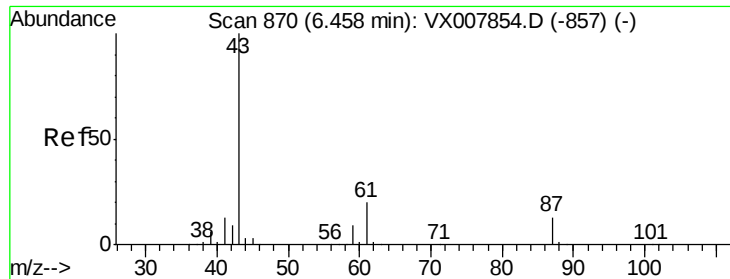
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.889 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

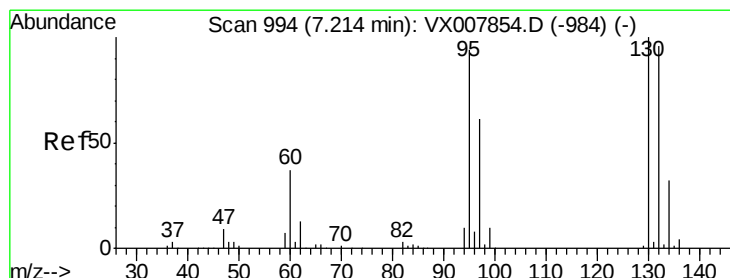
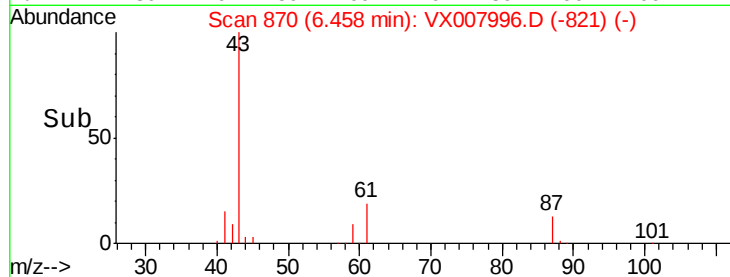
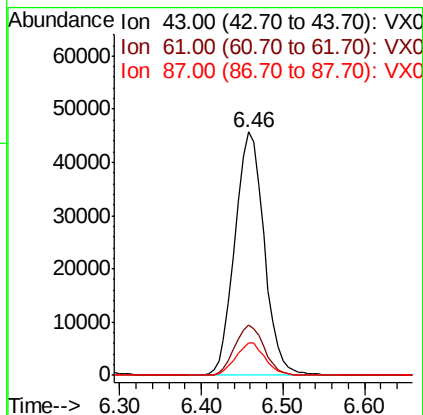
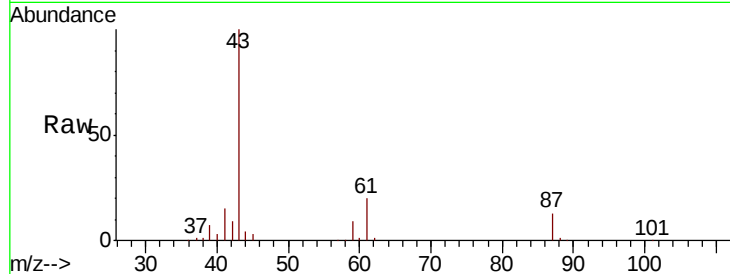
Isopropyl Acetate
 Concen: 19.509 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.3	24.5
87	13.3	10.5	15.7

Manual Integrations
 APPROVED

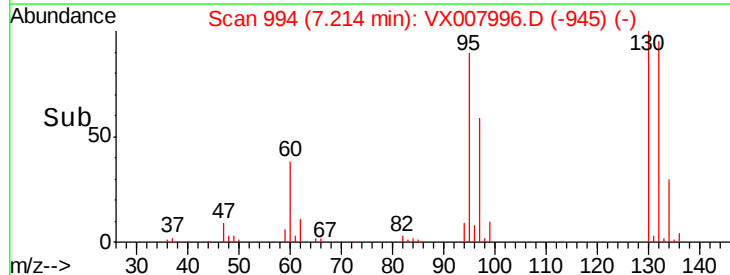
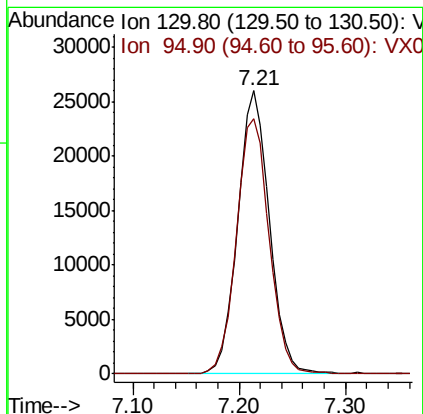
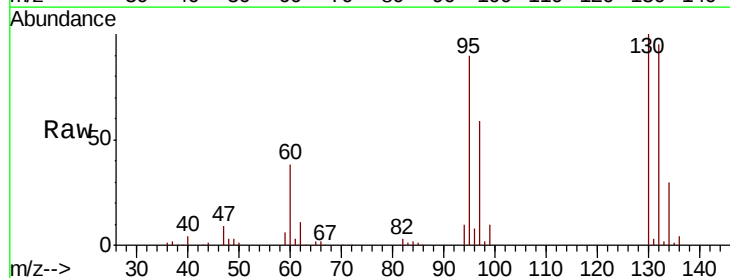
MMDadoda
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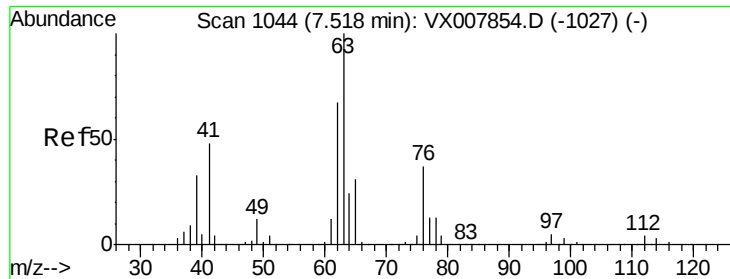


#44

Trichloroethene
 Concen: 20.035 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	188.0





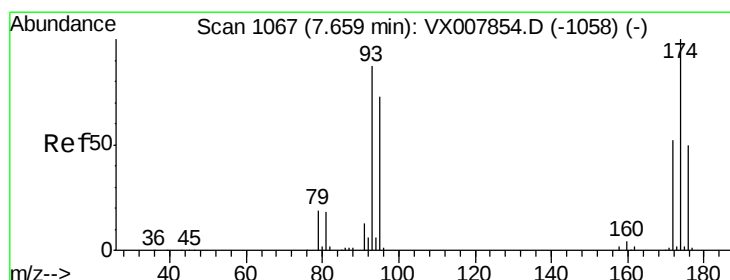
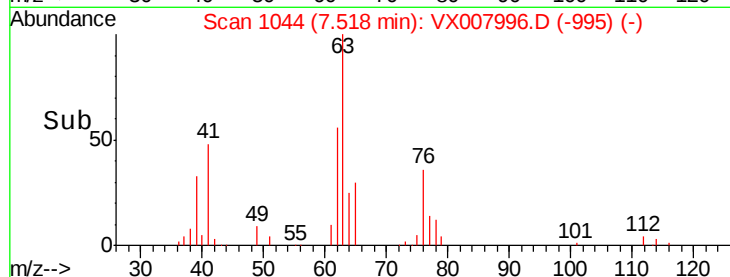
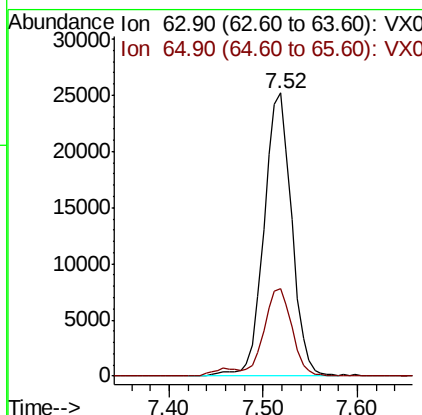
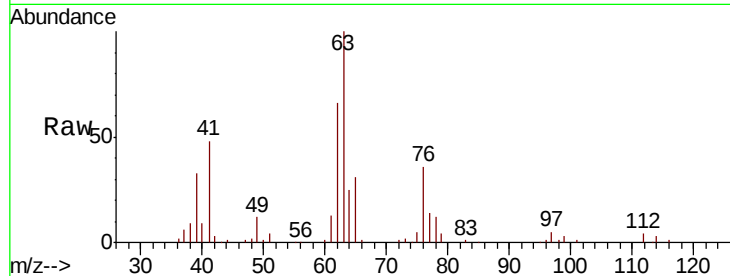
#45
1,2-Dichloropropane
Concen: 20.014 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion: 63 Resp: 51971
Ion Ratio Lower Upper
63 100
65 30.8 24.7 37.1

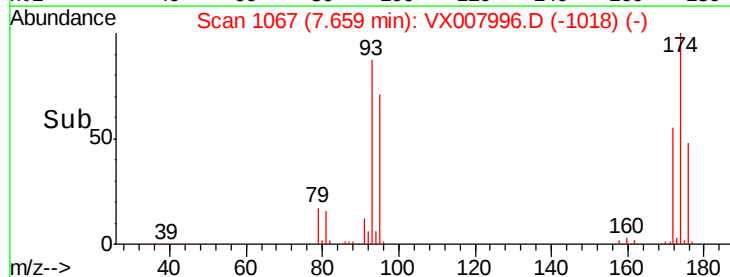
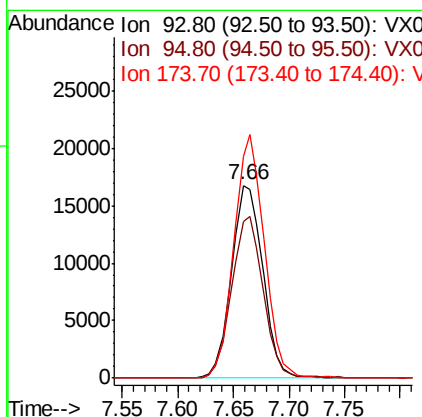
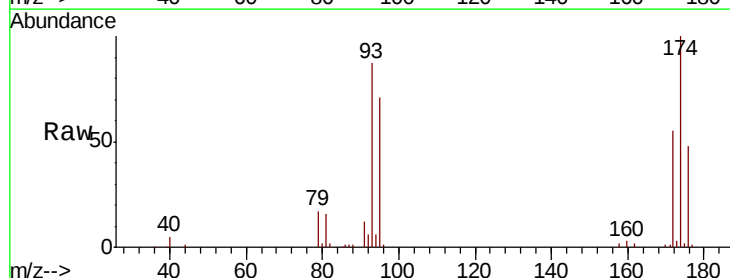
Manual Integrations
APPROVED

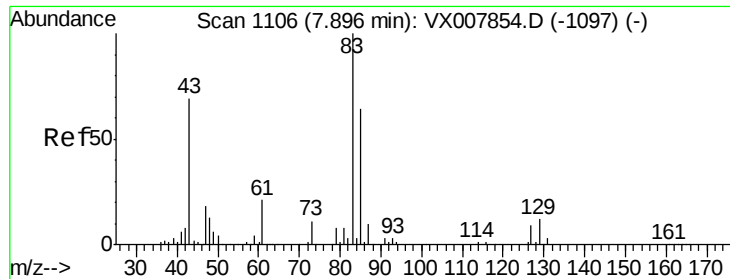
MMDadoda
3/12/2019 3:24:05 PM



#46
Dibromomethane
Concen: 19.908 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion: 93 Resp: 32716
Ion Ratio Lower Upper
93 100
95 84.2 66.8 100.2
174 122.0 97.3 145.9





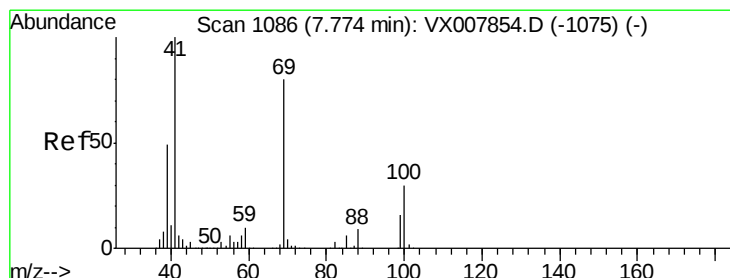
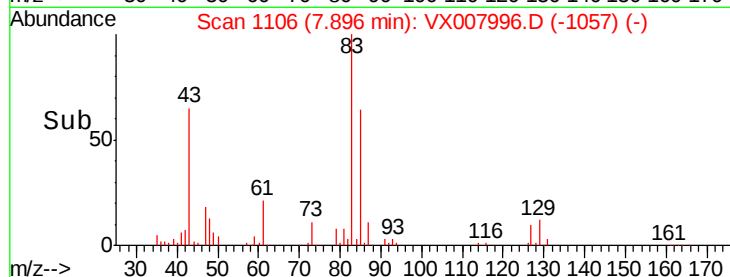
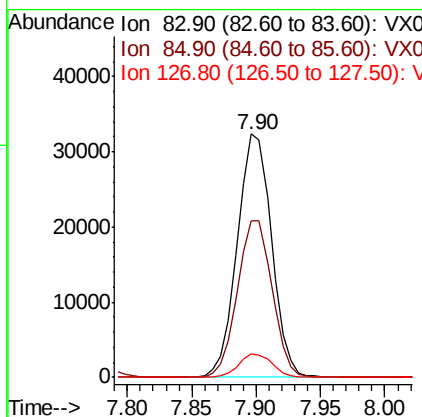
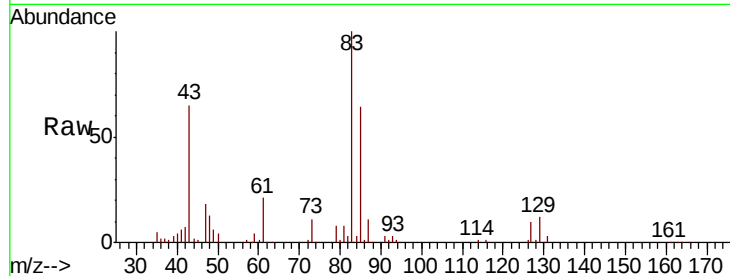
#47
Bromodichloromethane
Concen: 19.198 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	59816		
85	64.4	50.9	76.3	
127	9.6	7.4	11.0	

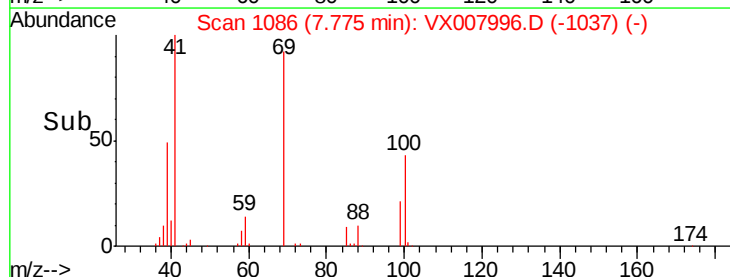
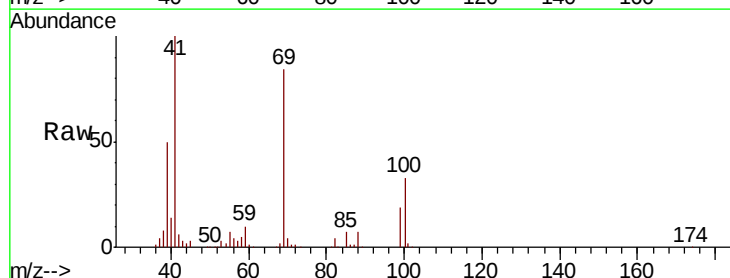
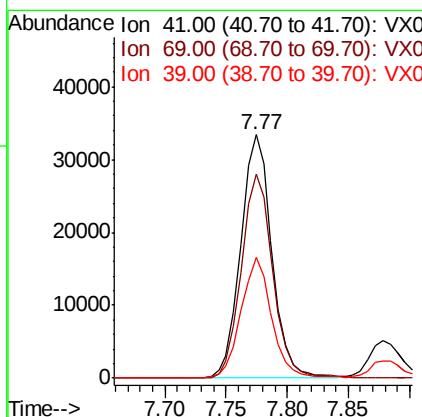
Manual Integrations
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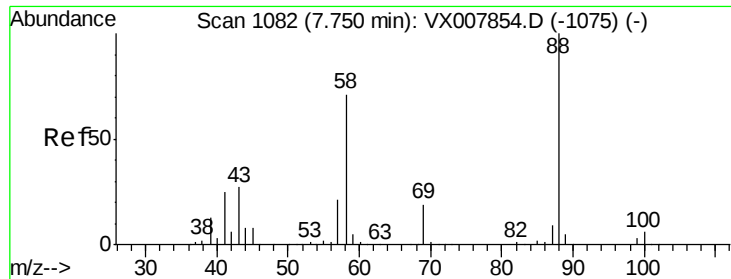
MMDadoda
3/12/2019 3:24:05 PM



#48
Methyl methacrylate
Concen: 19.404 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	59173		
69	84.6	65.2	97.8	
39	48.8	39.4	59.2	





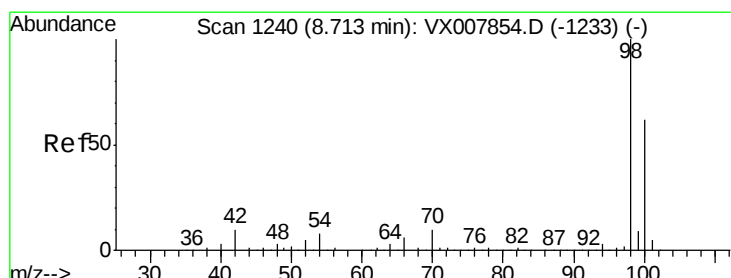
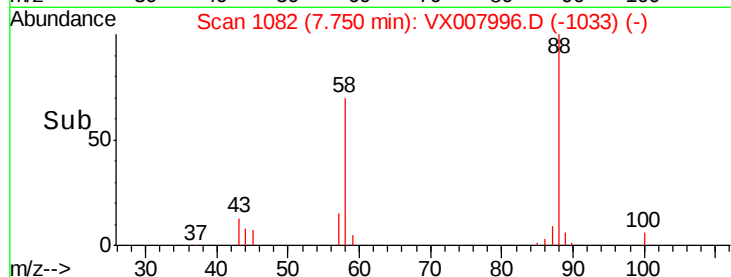
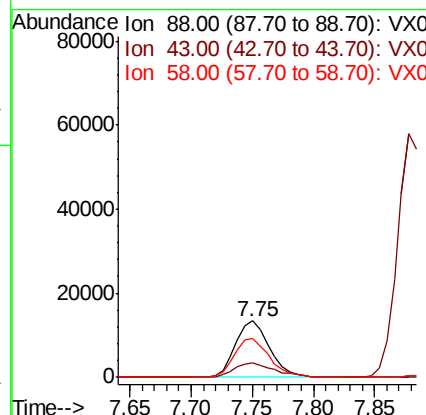
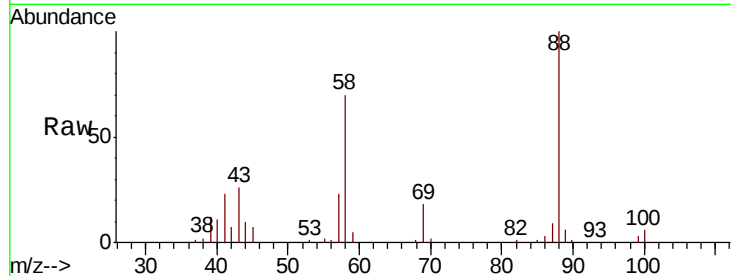
#49
1,4-Dioxane
Concen: 412.882 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.1	37.7
58	71.2	57.8	86.6

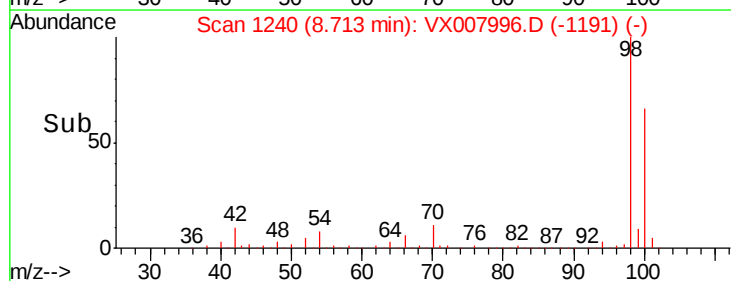
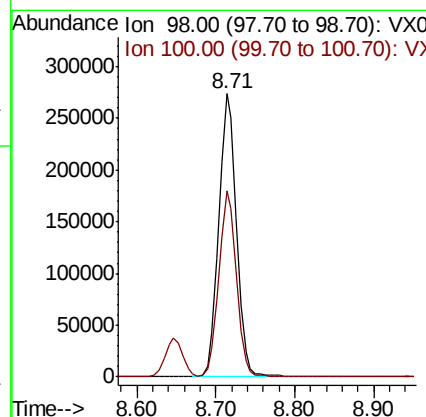
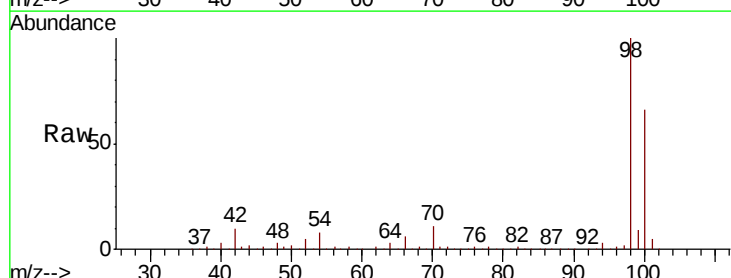
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#50
Toluene-d8
Concen: 49.981 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





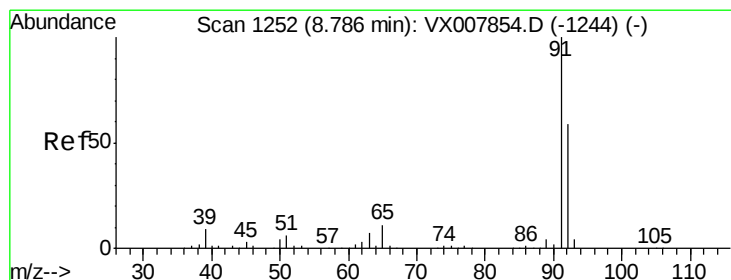
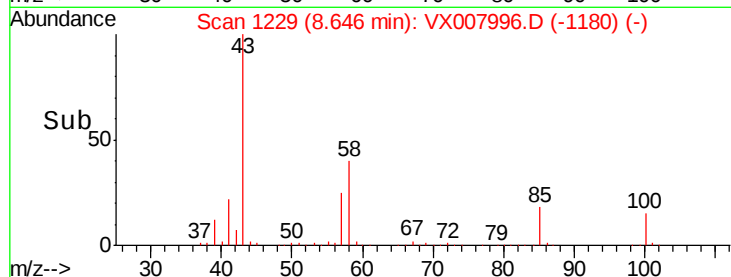
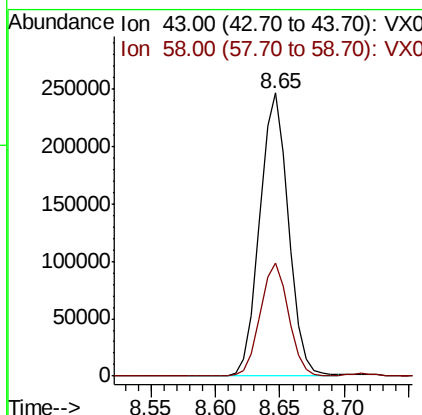
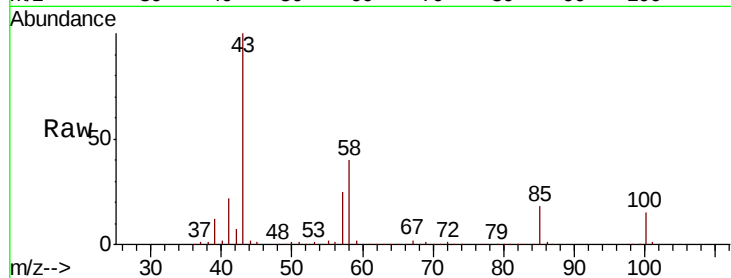
#51
4-Methyl-2-Pentanone
Concen: 101.648 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion: 43 Resp: 379154
Ion Ratio Lower Upper
43 100
58 39.6 31.3 46.9

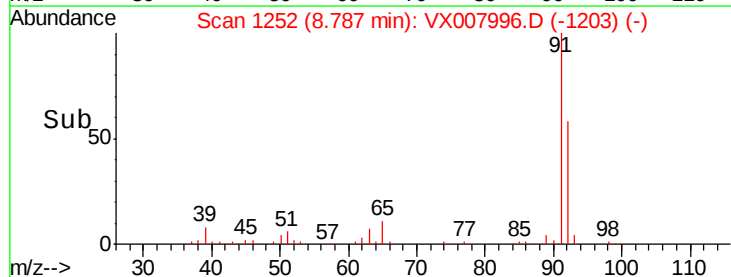
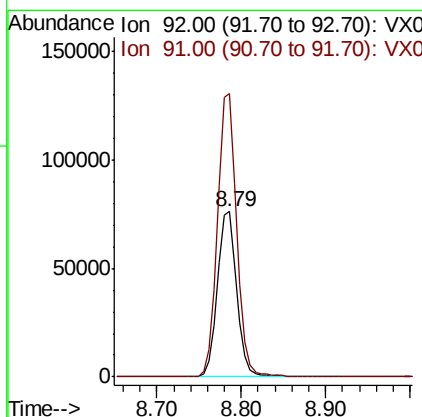
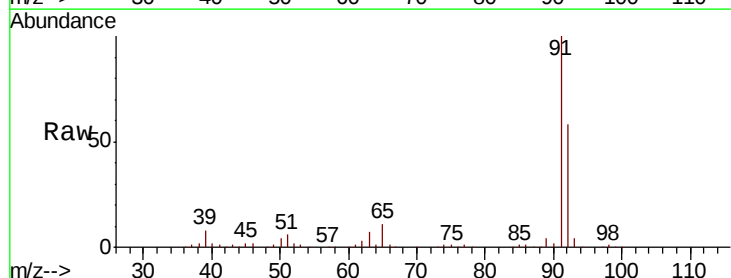
Manual Integrations
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#52
Toluene
Concen: 20.195 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion: 92 Resp: 121219
Ion Ratio Lower Upper
92 100
91 170.9 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 18.453 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 75 Resp: 60011

Ion Ratio Lower Upper

75 100

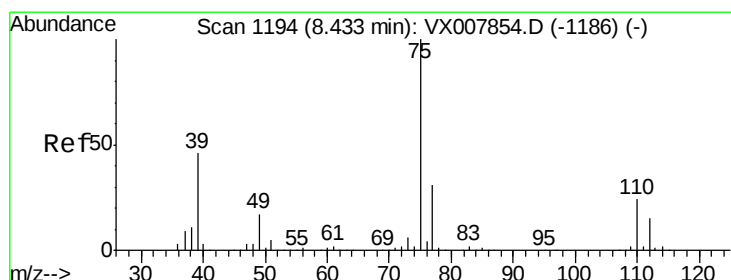
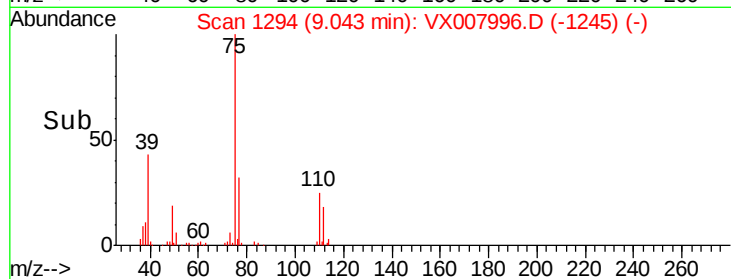
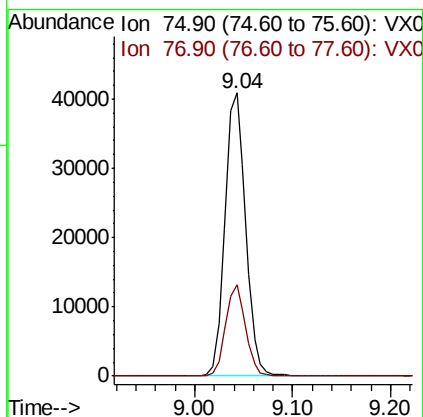
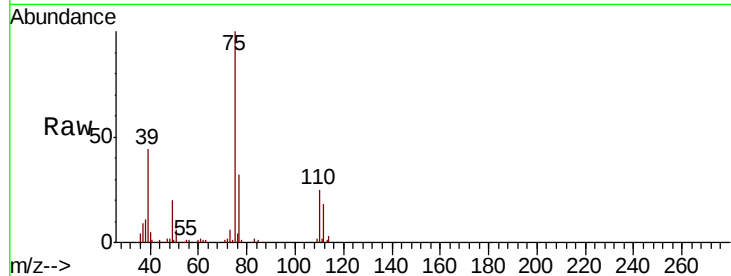
77 32.5 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.543 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

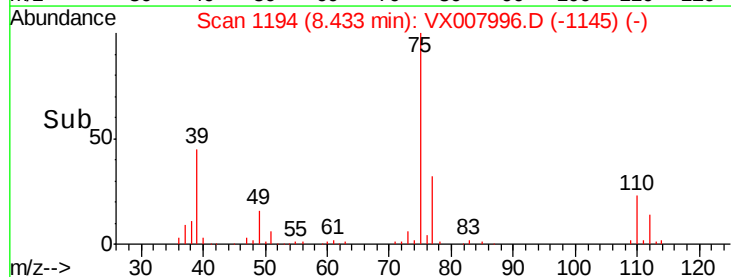
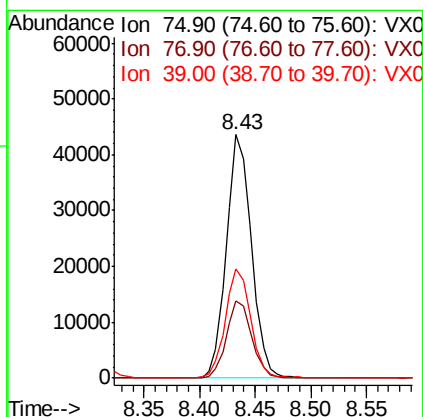
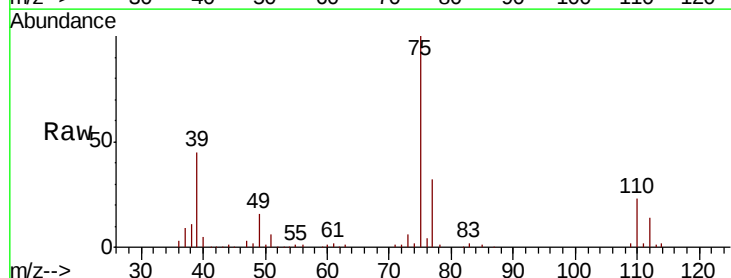
Tgt Ion: 75 Resp: 68096

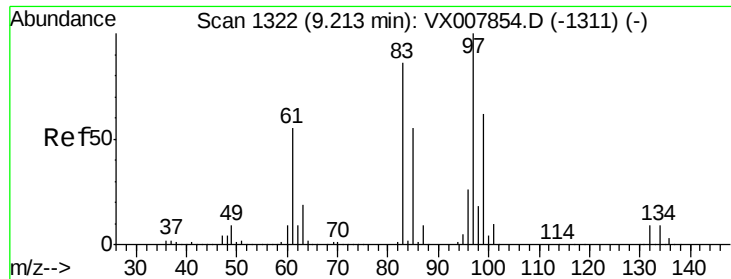
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6

39 44.5 36.6 54.8





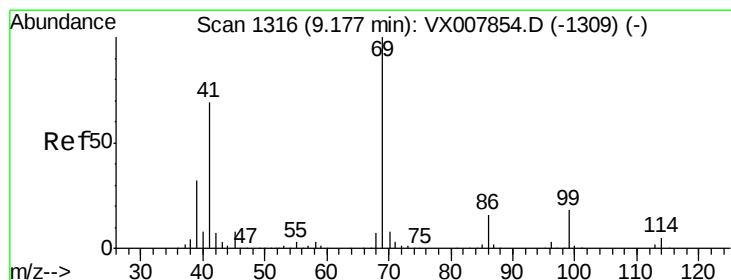
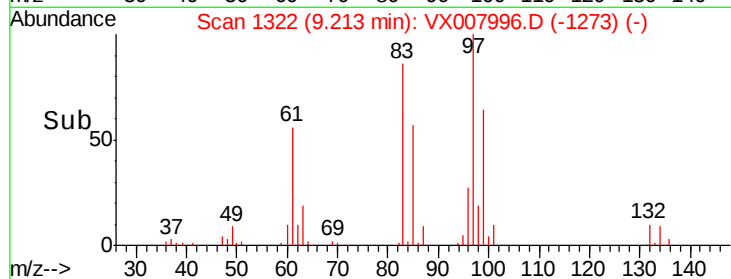
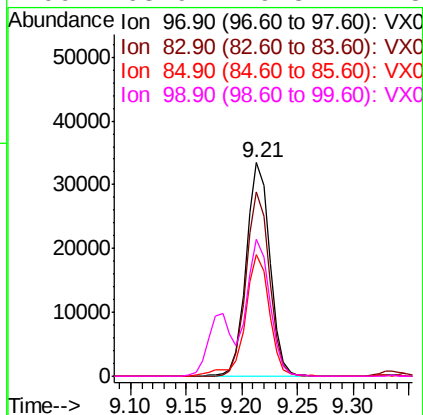
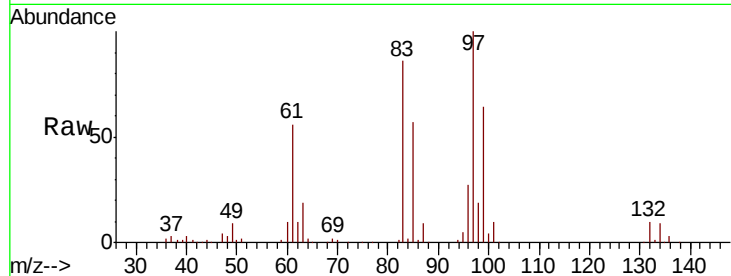
#55
1,1,2-Trichloroethane
Concen: 20.358 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		49467		
83	86.1	69.1	103.7		
85	57.1	44.3	66.5		
99	63.9	49.8	74.8		

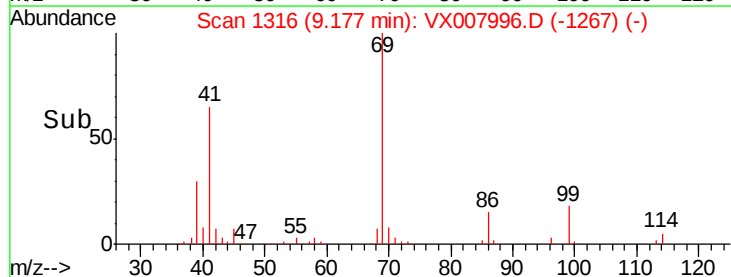
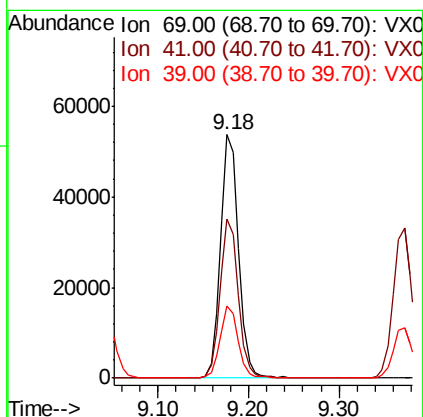
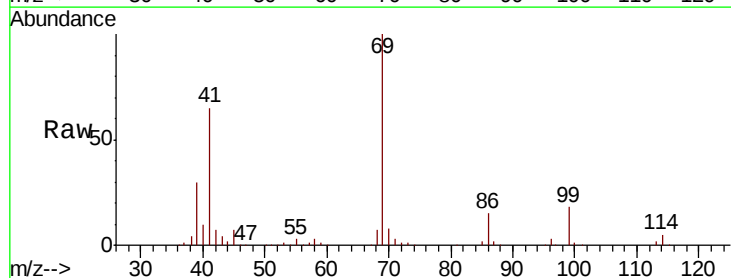
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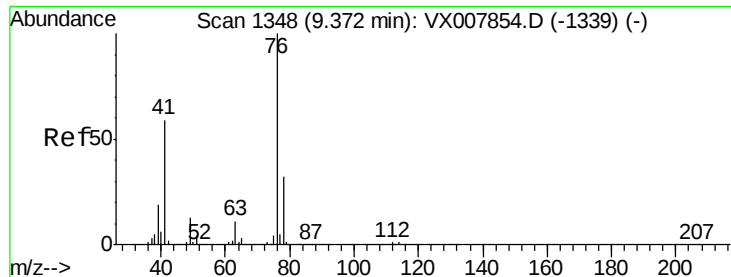
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#56
Ethyl methacrylate
Concen: 20.522 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		74872		
41	65.9	54.2	81.4		
39	29.6	25.0	37.4		





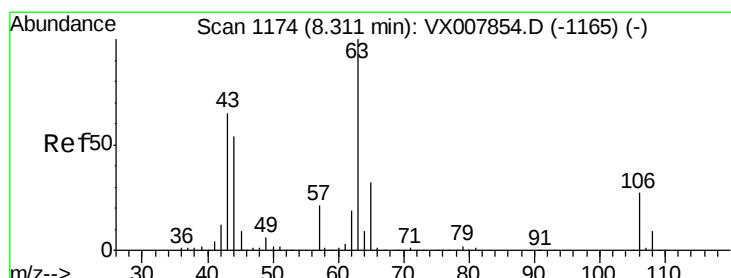
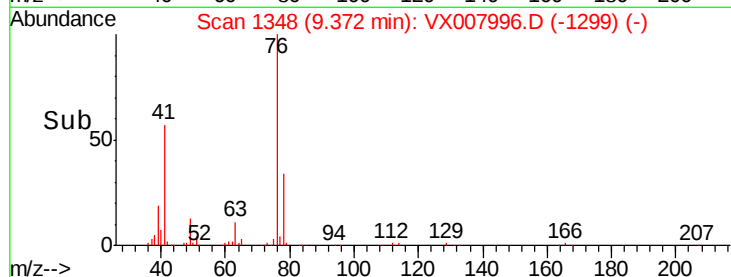
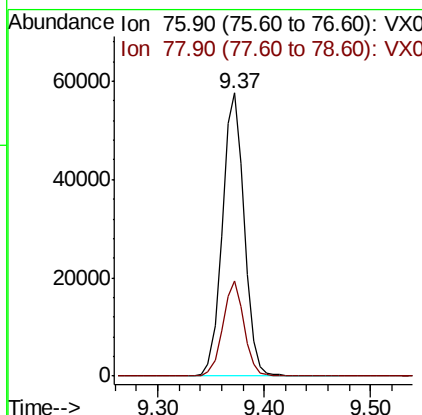
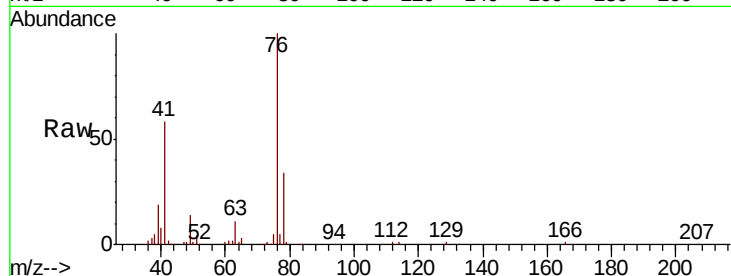
#57
 1,3-Dichloropropane
 Concen: 20.243 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD03

Tgt Ion: 76 Resp: 82589
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

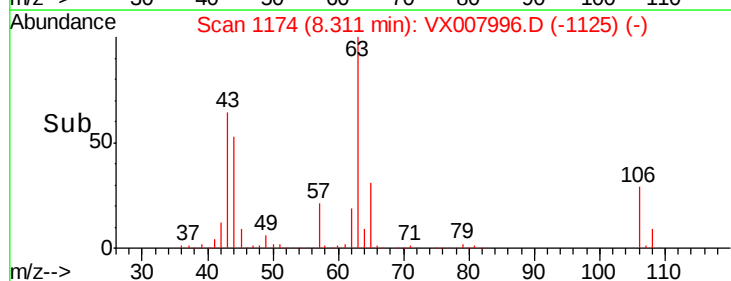
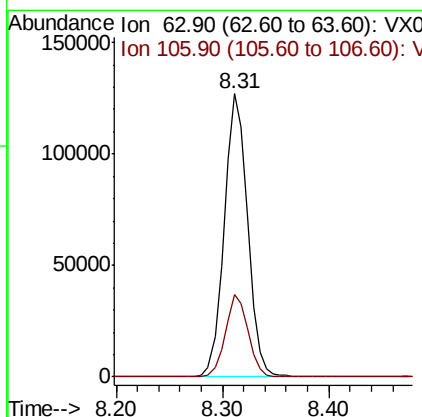
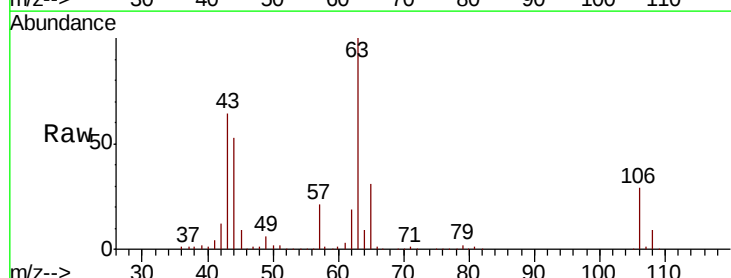
Manual Integrations
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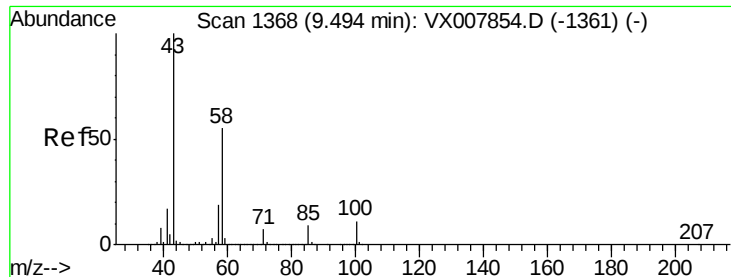
MMDadoda
 3/12/2019 3:24:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.391 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Tgt Ion: 63 Resp: 195121
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.2 33.2





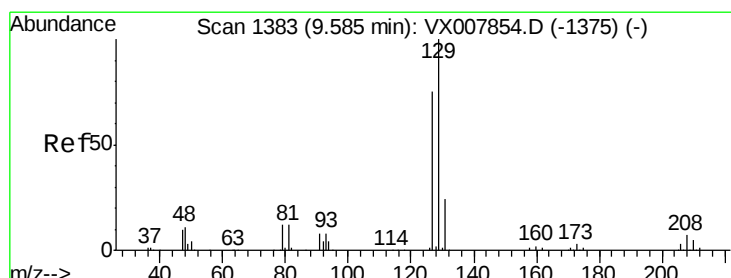
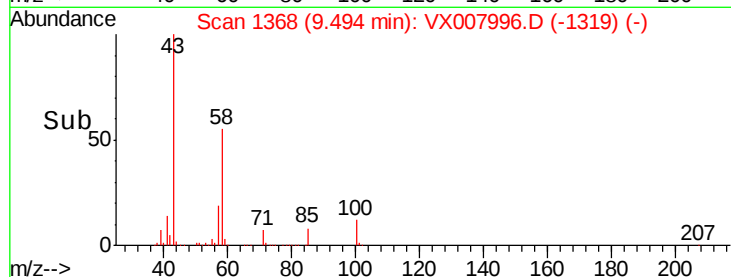
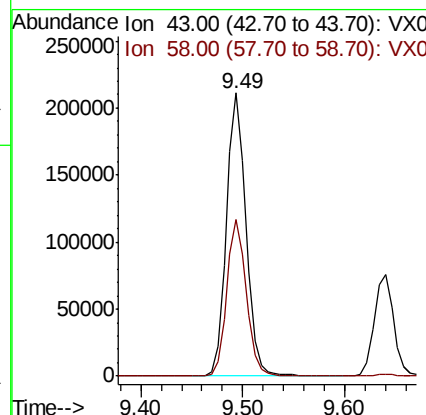
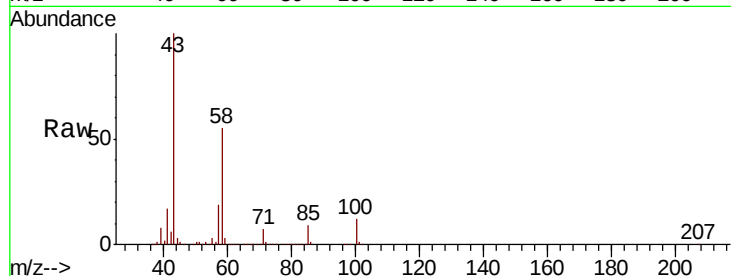
#59
2-Hexanone
Concen: 97.436 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion: 43 Resp: 282168
Ion Ratio Lower Upper
43 100
58 55.5 27.6 82.7

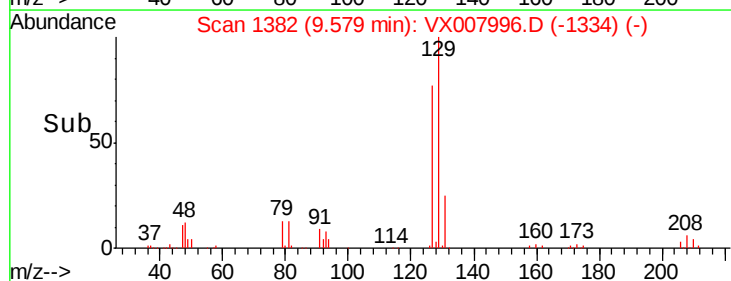
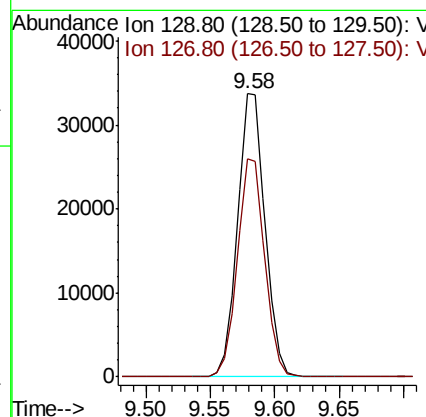
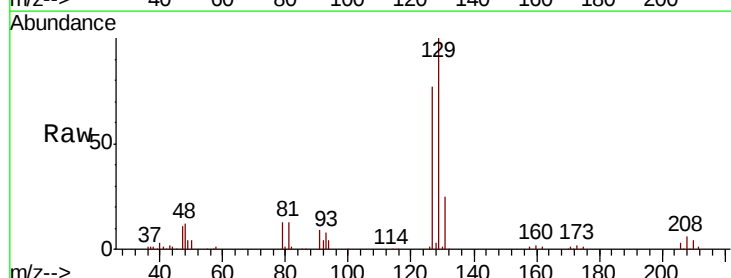
Manual Integrations
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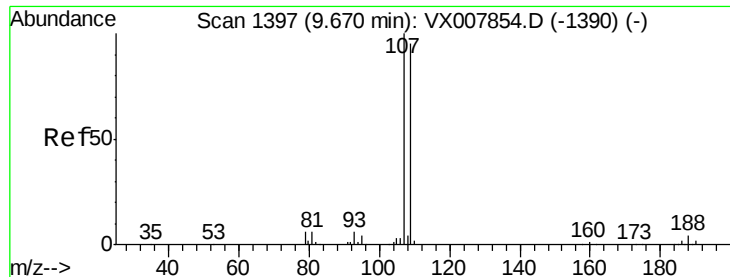
MMDadoda
3/12/2019 3:24:05 PM



#60
Dibromochloromethane
Concen: 19.709 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion: 129 Resp: 50058
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.911 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 107 Resp: 51368

Ion Ratio Lower Upper

107 100

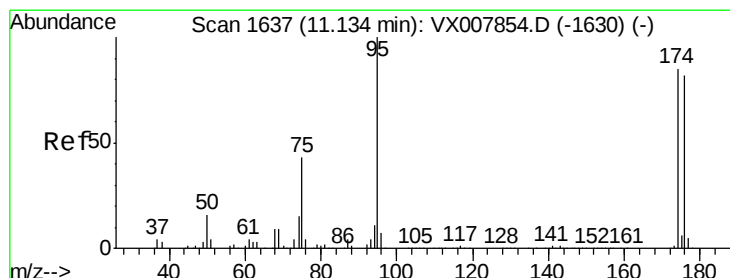
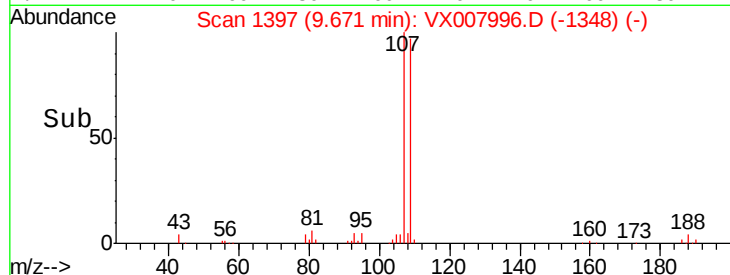
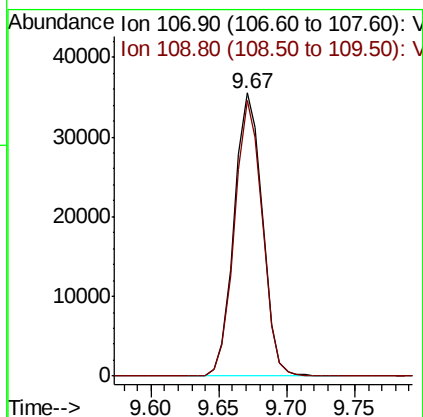
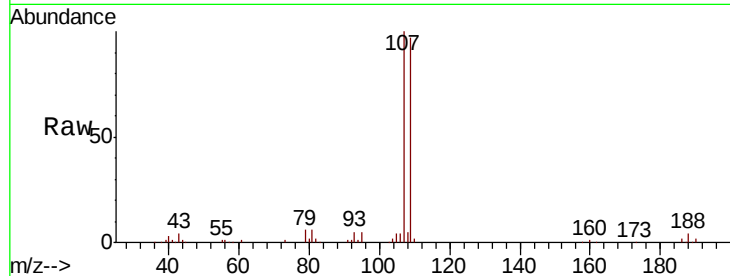
109 95.8 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.082 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

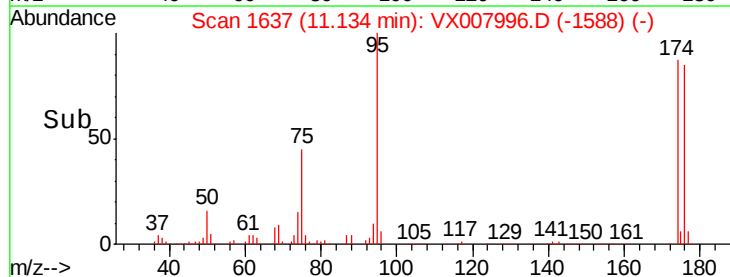
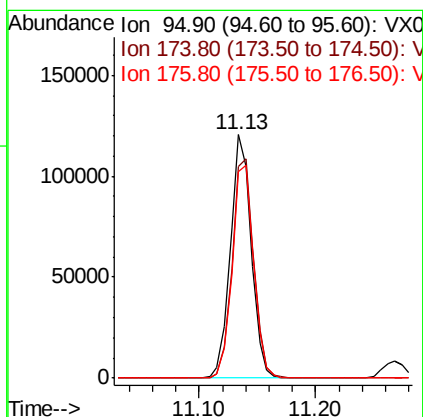
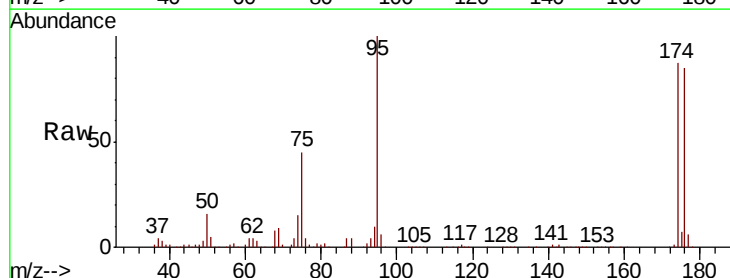
Tgt Ion: 95 Resp: 150448

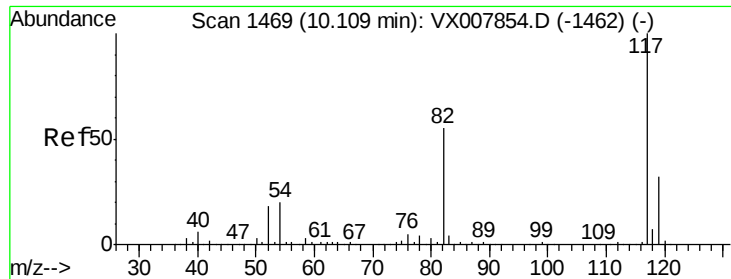
Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.8

176 90.4 0.0 178.0





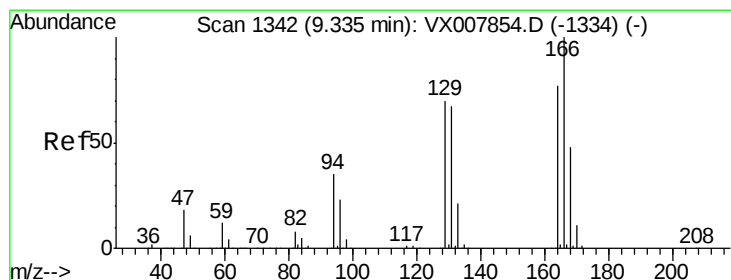
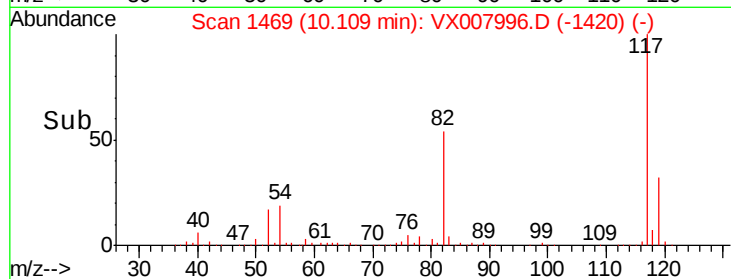
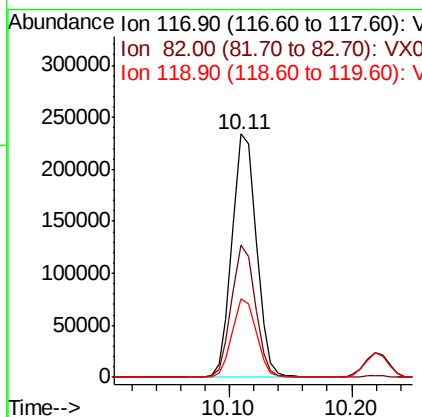
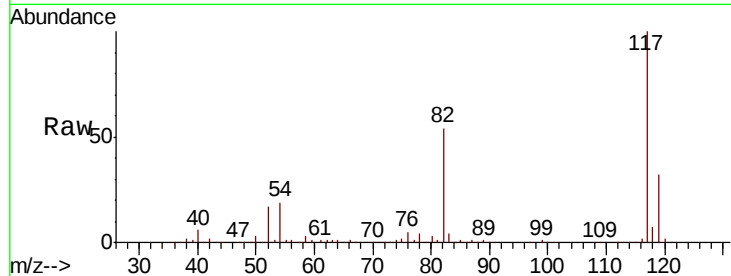
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	322985		
82	54.4	44.3	66.5	
119	32.1	25.3	37.9	

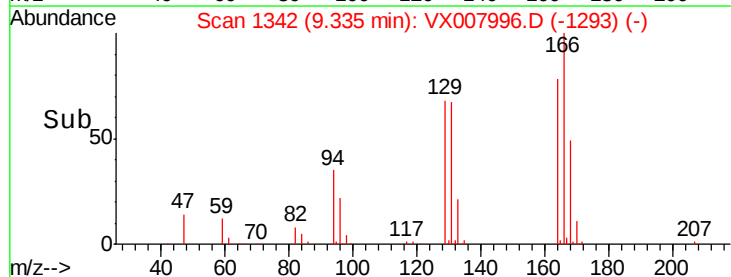
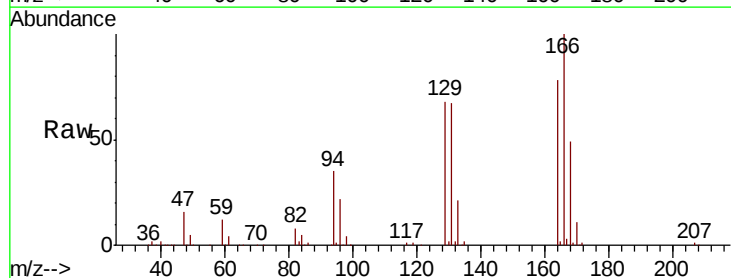
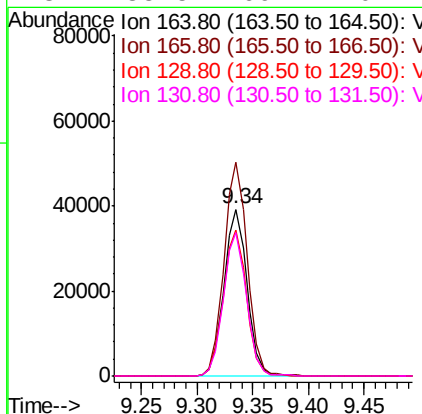
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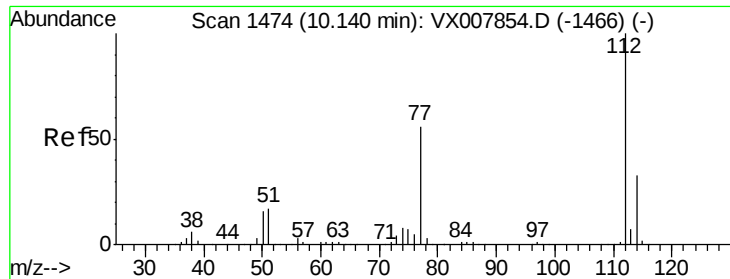
MMDadoda
3/12/2019 3:24:05 PM



#64
Tetrachloroethene
Concen: 20.973 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56136		
166	128.0	103.4	155.0	
129	87.1	72.2	108.4	
131	85.5	69.4	104.2	





#65

Chlorobenzene

Concen: 19.552 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion:112 Resp: 132146

Ion Ratio Lower Upper

112 100

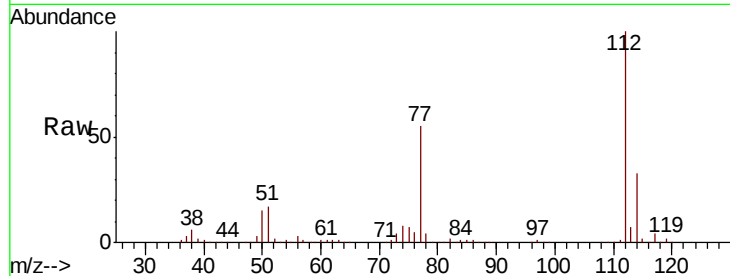
114 32.5 26.0 39.0

Manual Integrations

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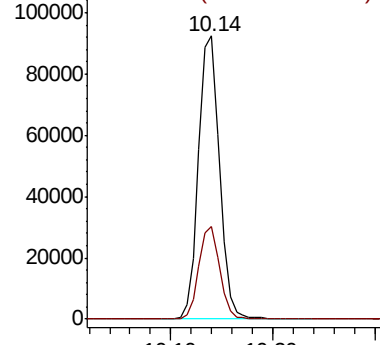
MMDadoda

3/12/2019 3:24:05 PM

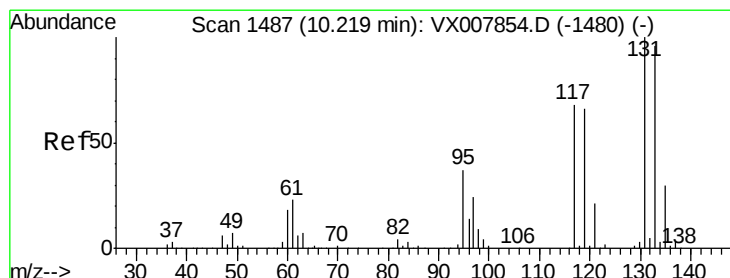
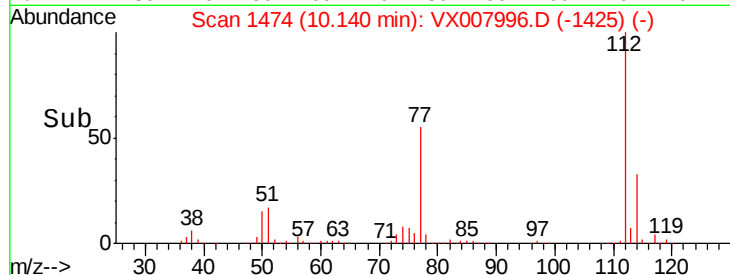


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.805 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

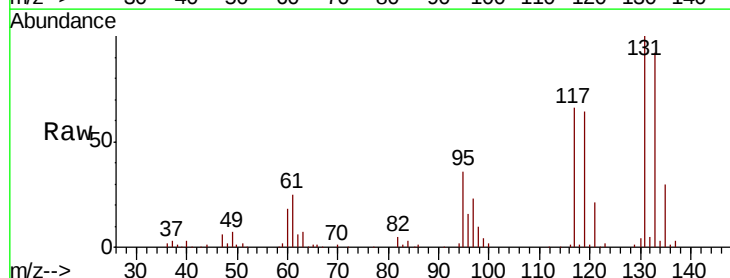
Tgt Ion:131 Resp: 47974

Ion Ratio Lower Upper

131 100

133 96.6 47.8 143.3

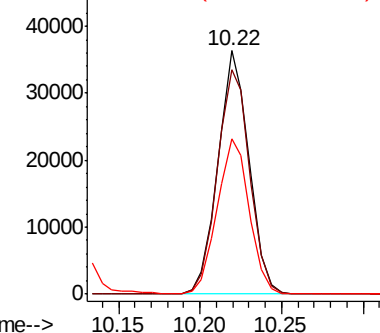
119 66.3 32.5 97.5



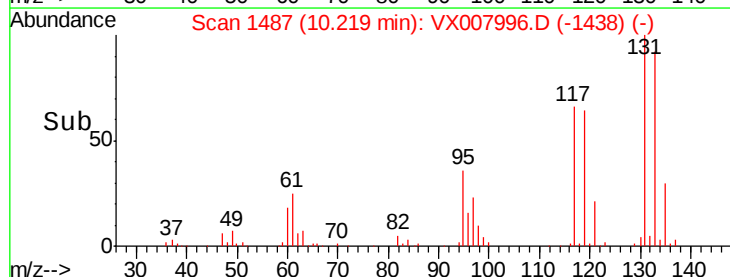
Abundance Ion 130.80 (130.50 to 131.50): V

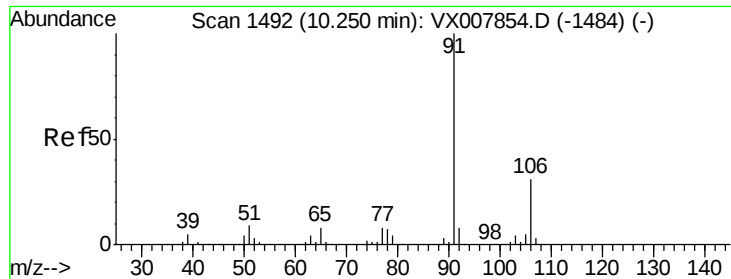
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 19.773 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 91 Resp: 219990

Ion Ratio Lower Upper

91 100

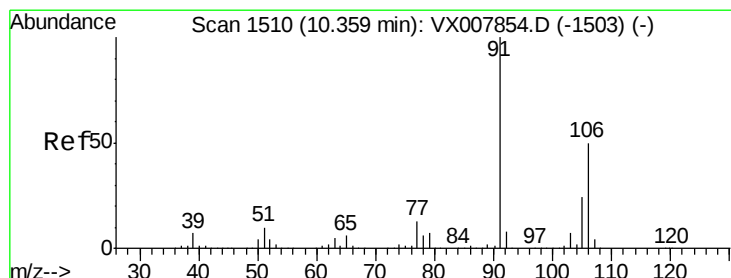
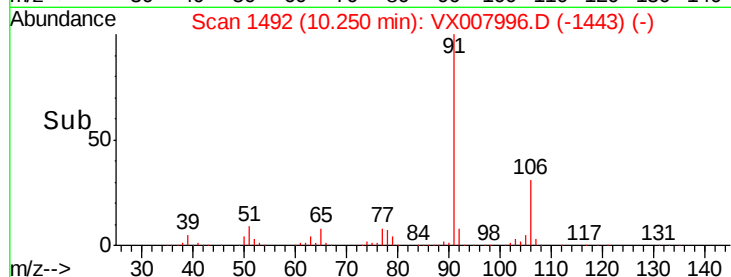
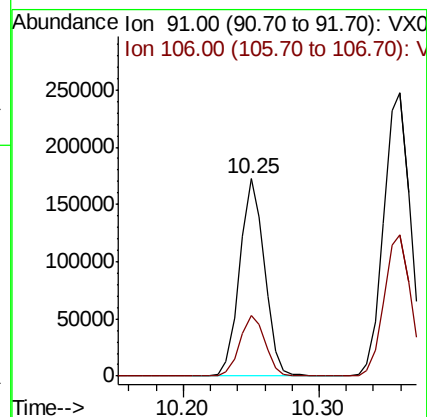
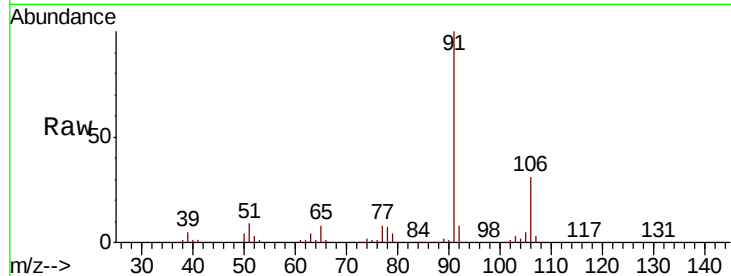
106 30.7 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.453 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007996.D

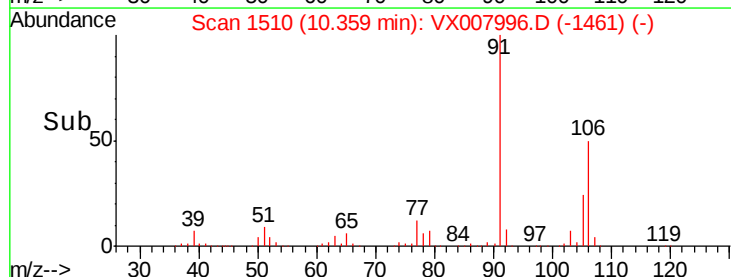
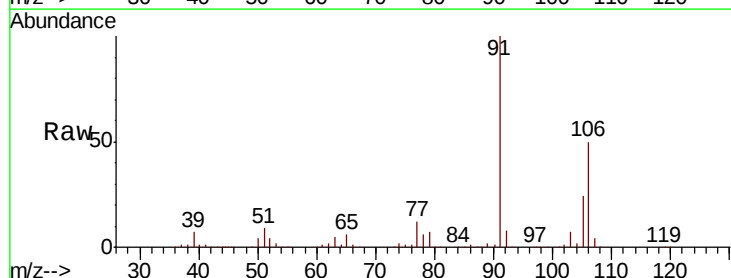
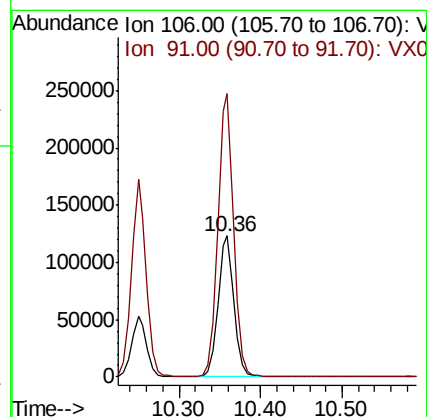
Acq: 12 Mar 2019 05:48

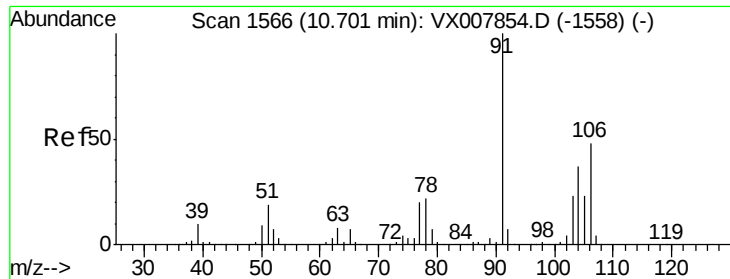
Tgt Ion: 106 Resp: 169187

Ion Ratio Lower Upper

106 100

91 201.1 159.8 239.6





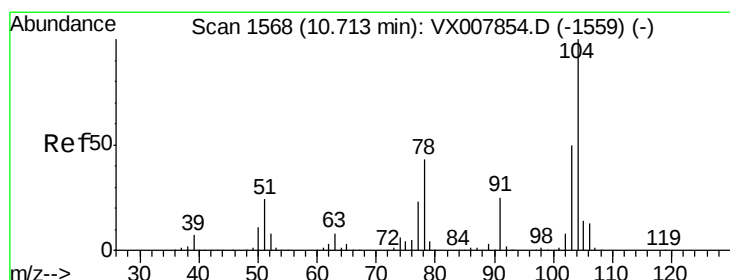
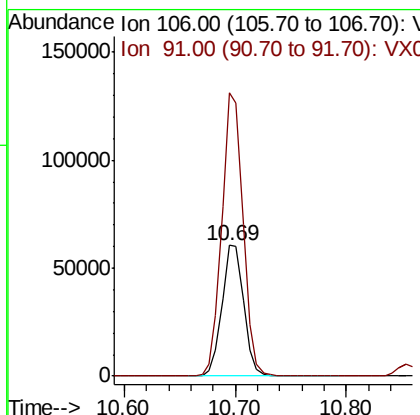
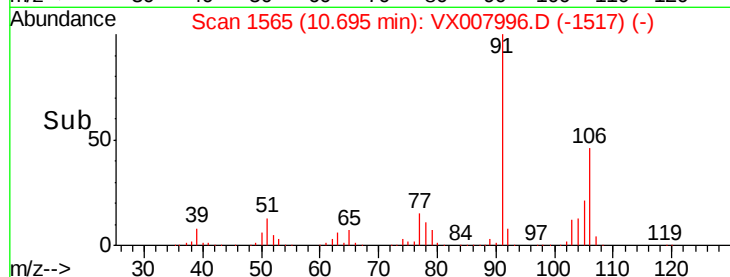
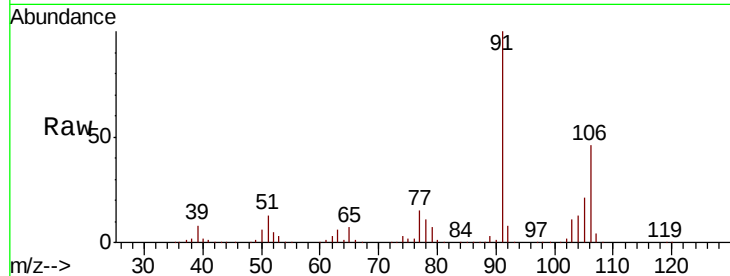
#69
o-Xylene
Concen: 19.869 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion:106 Resp: 82260
Ion Ratio Lower Upper
106 100
91 211.1 106.3 318.9

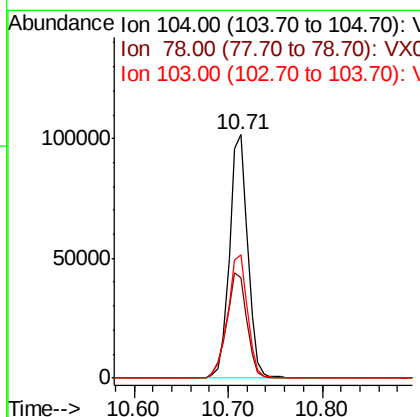
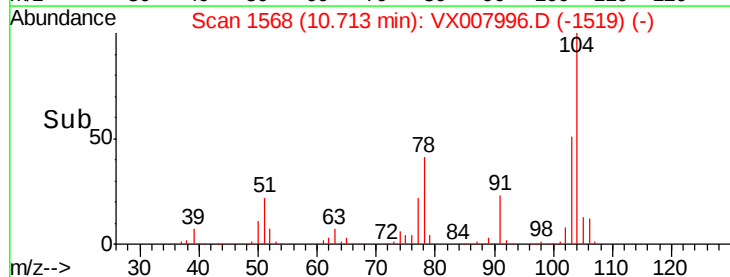
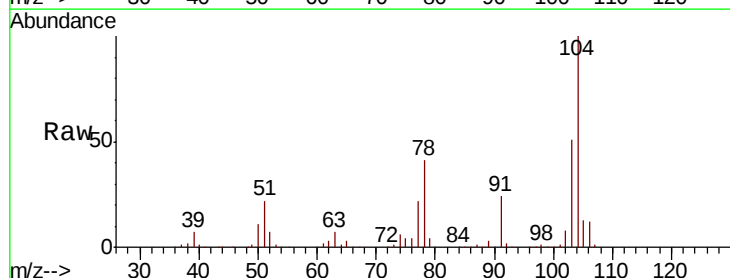
Manual Integrations
APPROVED

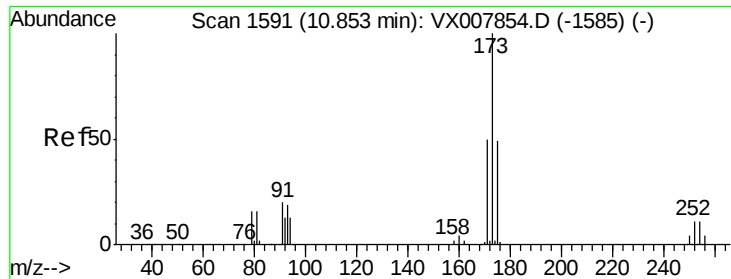
MMDadoda
3/12/2019 3:24:05 PM



#70
Styrene
Concen: 20.130 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion:104 Resp: 136381
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 55.3 44.1 66.1





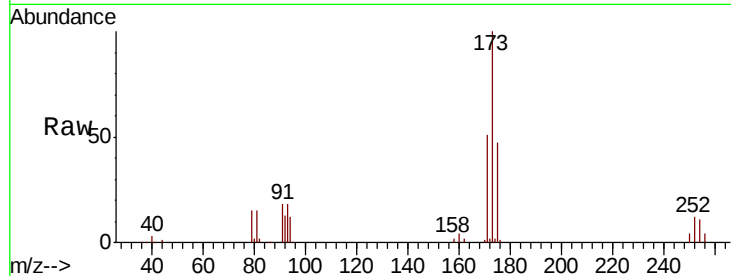
#71
Bromoform
Concen: 19.291 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.9
254	0.0	0.1	0.1#

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3/12/2019 3:24:05 PM

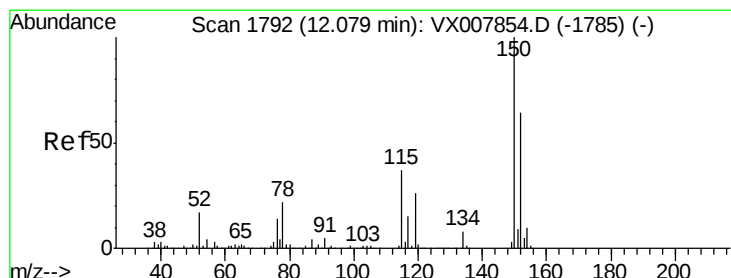
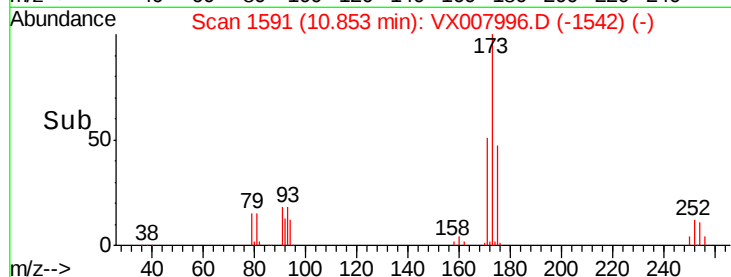
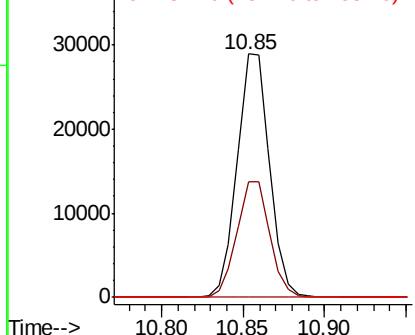


Abundance

Ion 172.70 (172.40 to 173.40): V

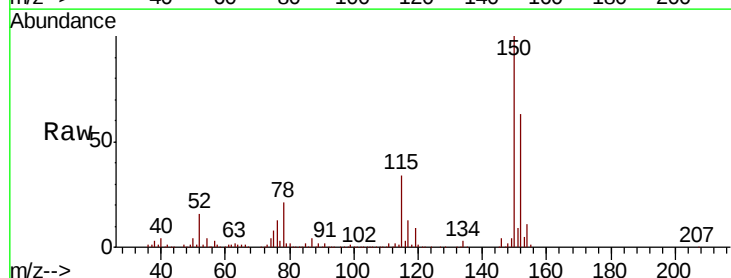
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	38.6	115.7
150	164.9	0.0	348.4

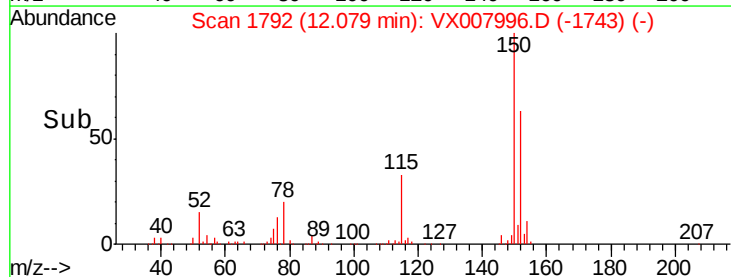
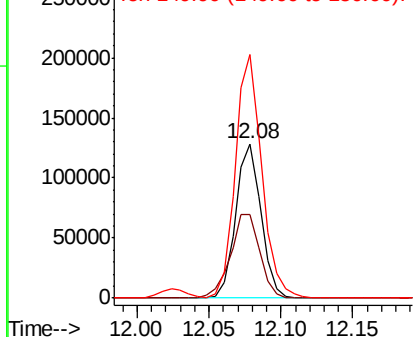


Abundance

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: 20.901 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 105 Resp: 222133

Ion Ratio Lower Upper

105 100

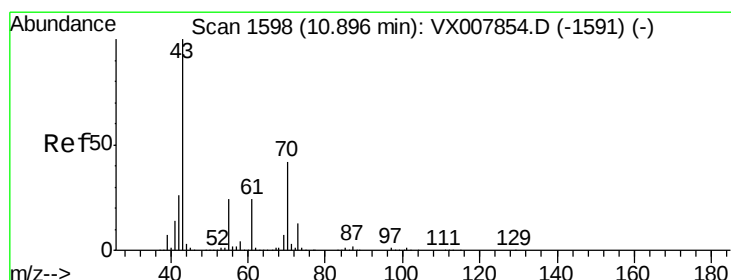
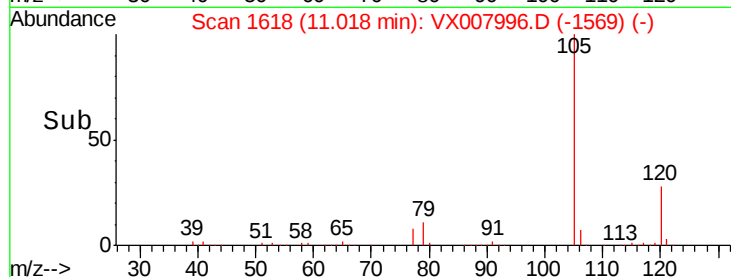
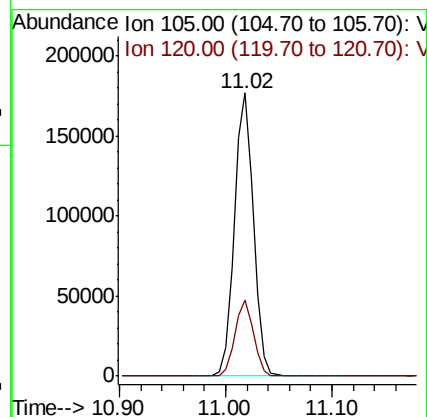
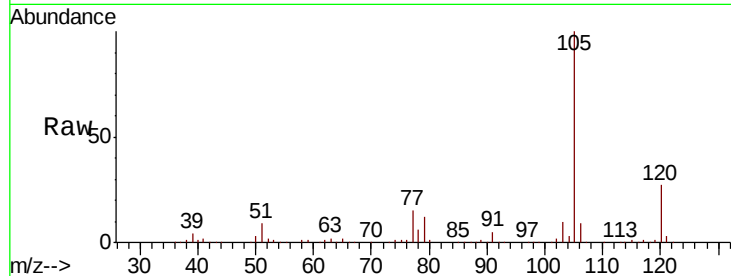
120 26.4 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.803 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Tgt Ion: 43 Resp: 96083

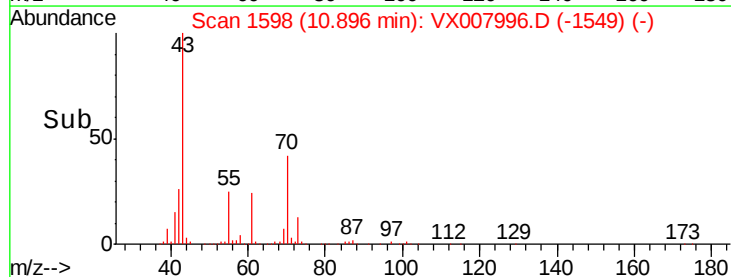
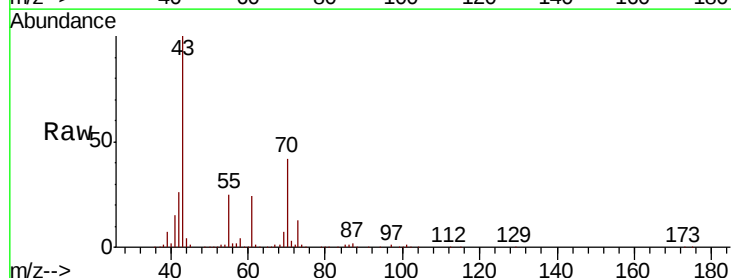
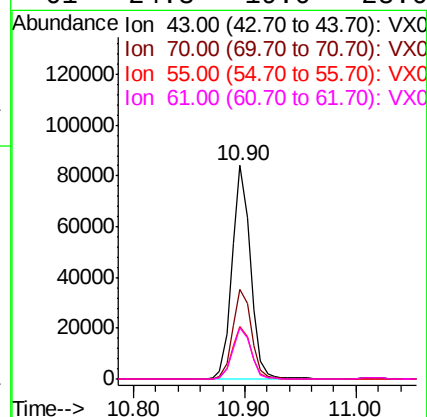
Ion Ratio Lower Upper

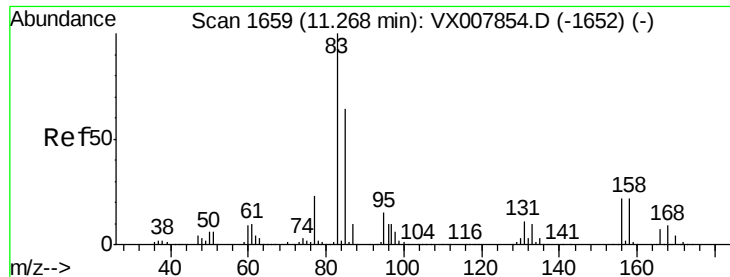
43 100

70 43.0 33.5 50.3

55 25.7 19.2 28.8

61 24.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.123 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

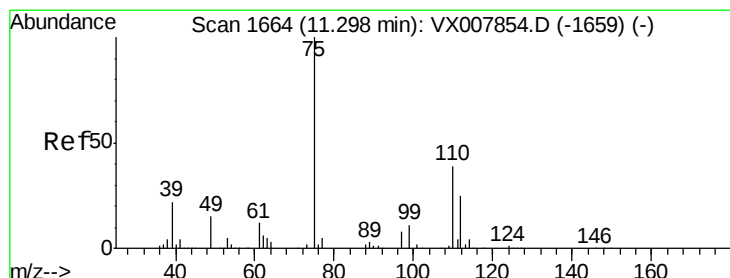
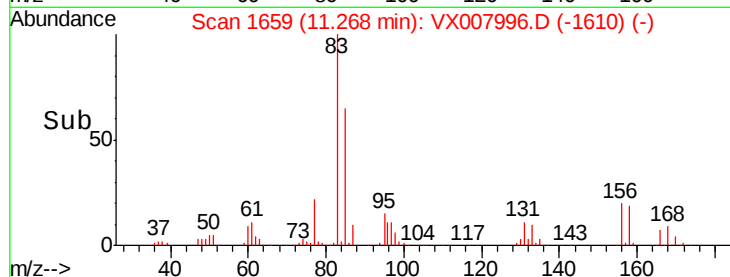
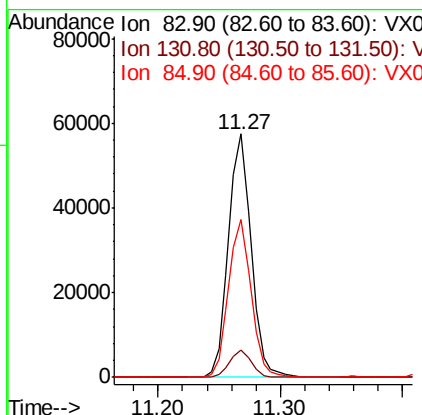
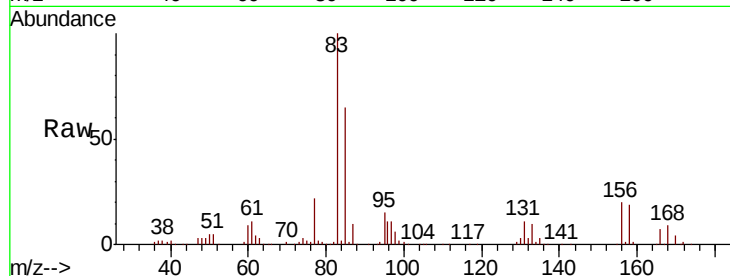
ClientSampleId :

VX0311WBSD03

Tgt Ion:	83	Resp:	73770
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	65.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.035 ug/l m

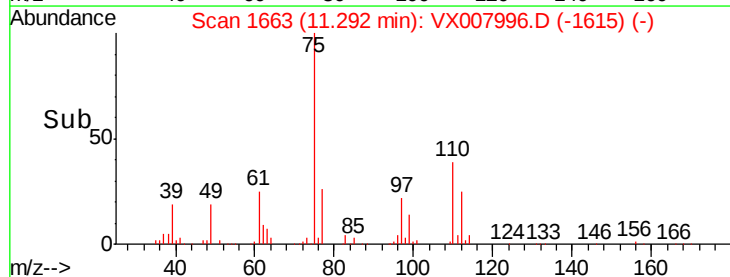
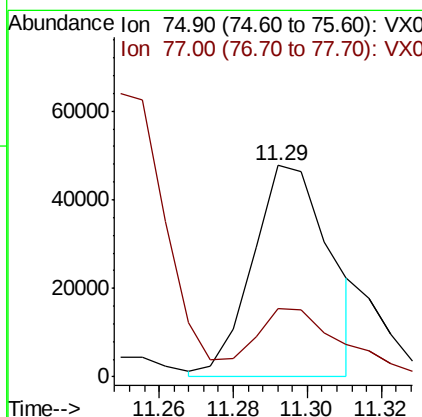
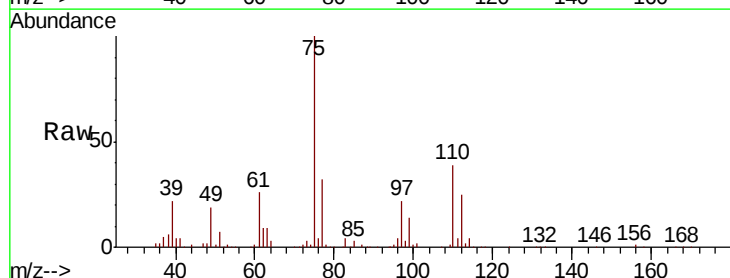
RT: 11.29 min Scan# 1663

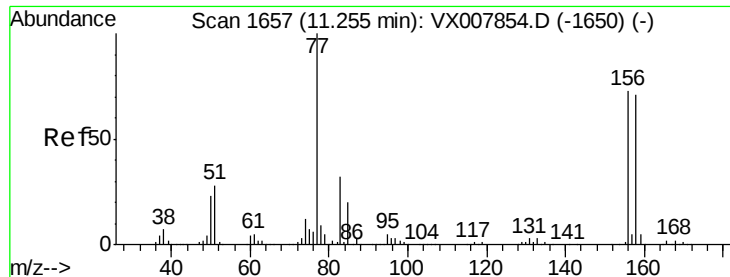
Delta R.T. -0.01 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Tgt Ion:	75	Resp:	69366
Ion	Ratio	Lower	Upper
75	100		
77	37.7	18.9	56.7





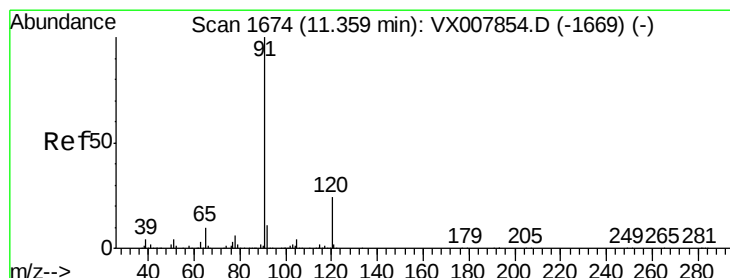
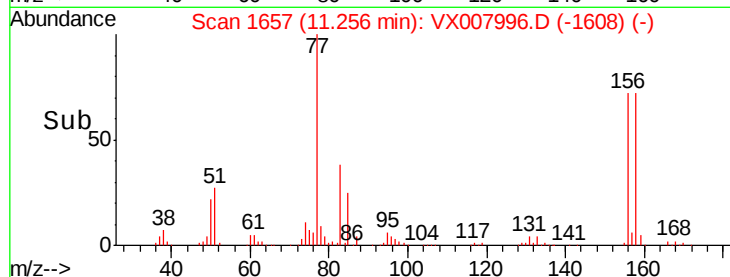
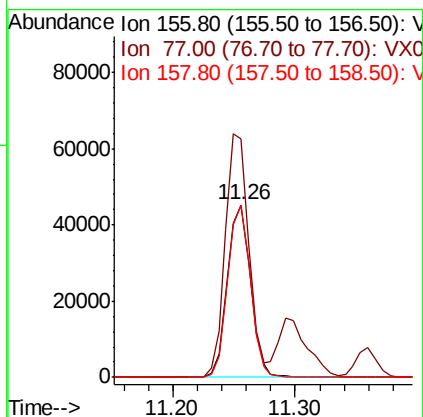
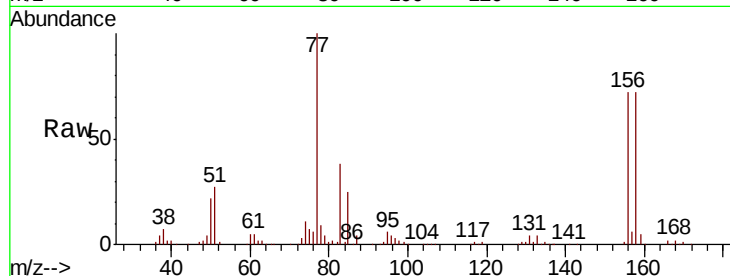
#77
Bromobenzene
Concen: 20.316 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
156	100		
77	143.0	72.0	215.9
158	98.3	48.6	145.9

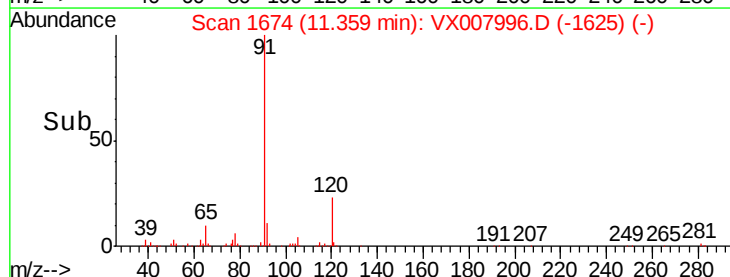
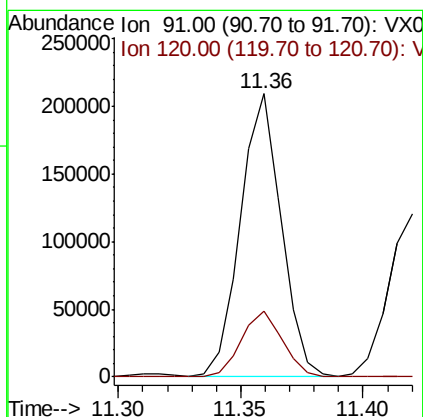
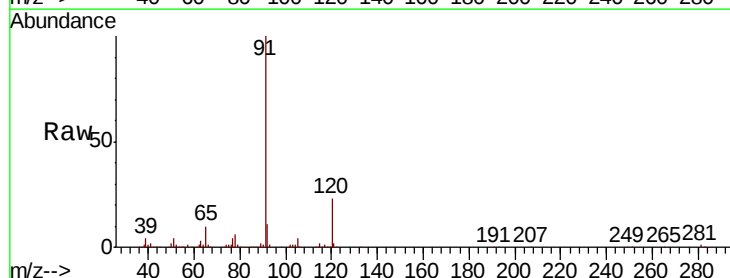
Manual Integrations
APPROVED

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3/12/2019 3:24:05 PM



#78
n-propylbenzene
Concen: 20.542 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.566 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 91 Resp: 148264

Ion Ratio Lower Upper

91 100

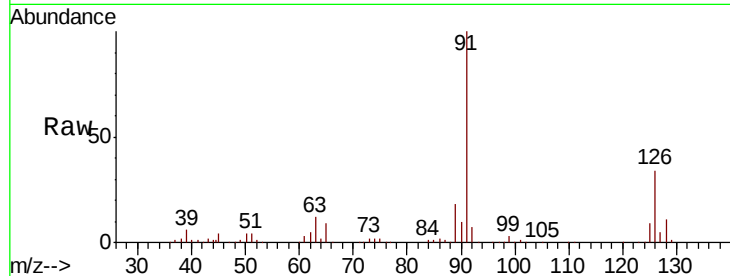
126 34.7 17.5 52.6

Manual Integrations

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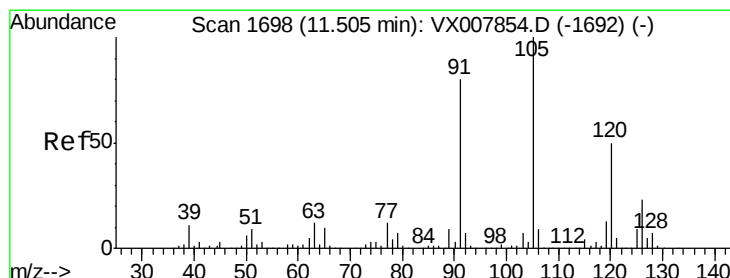
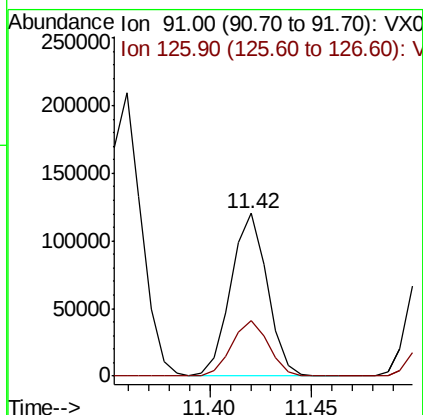
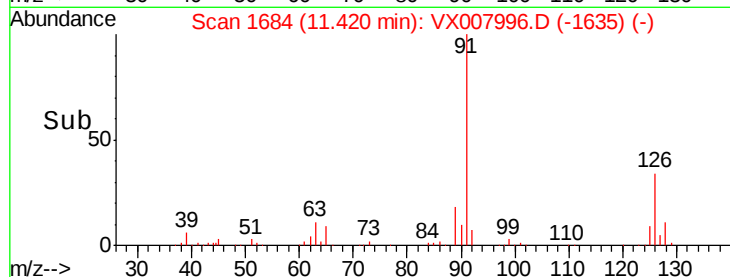
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX007854.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX007854.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.704 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007996.D

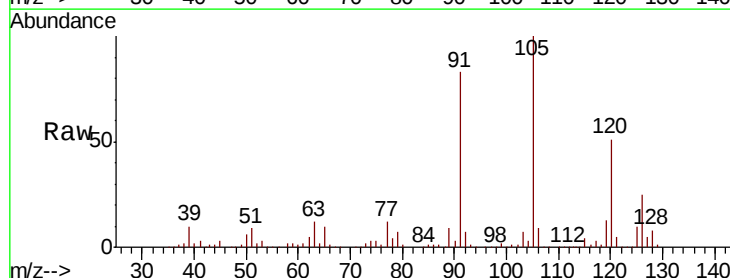
Acq: 12 Mar 2019 05:48

Tgt Ion: 105 Resp: 181106

Ion Ratio Lower Upper

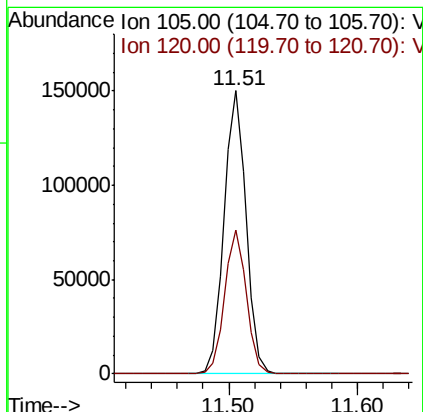
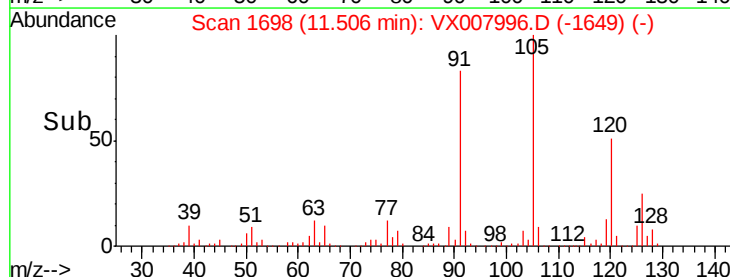
105 100

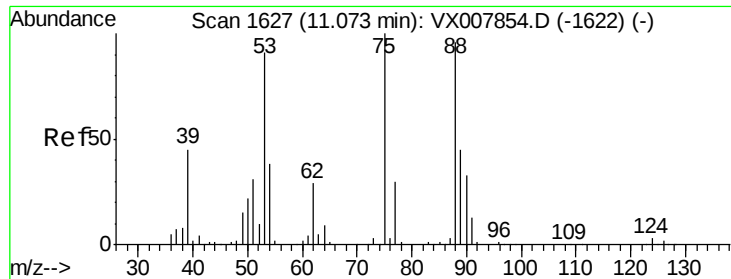
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX007854.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007854.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.000 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion: 75 Resp: 17538

Ion Ratio Lower Upper

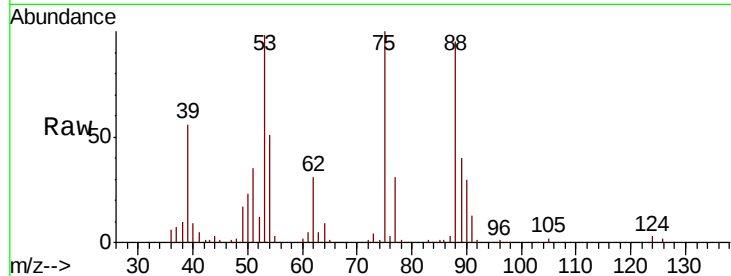
75 100

53 102.2 76.1 114.1

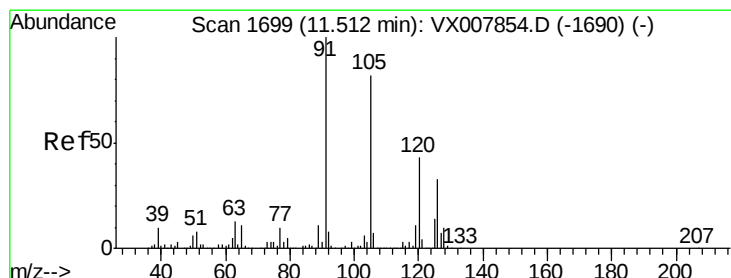
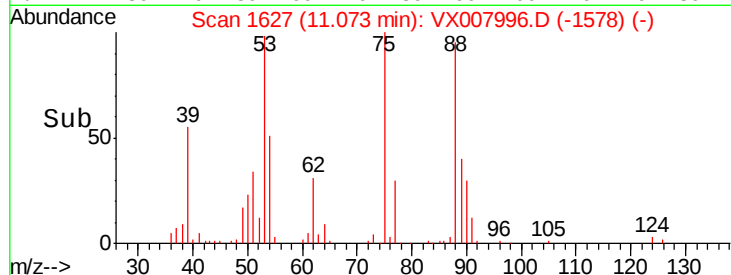
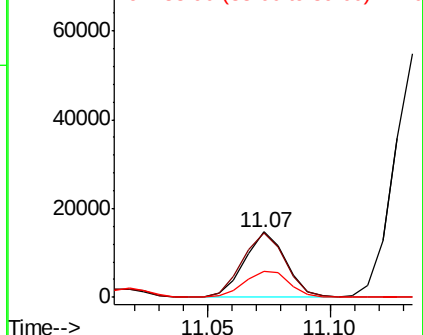
89 43.8 36.3 54.5

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



#82

4-Chlorotoluene

Concen: 20.185 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007996.D

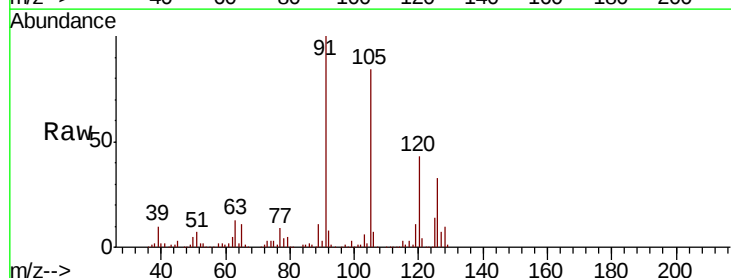
Acq: 12 Mar 2019 05:48

Tgt Ion: 91 Resp: 166758

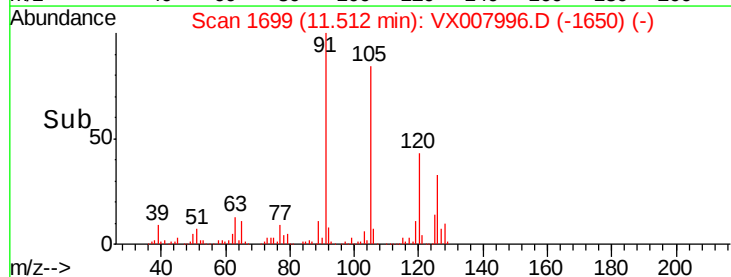
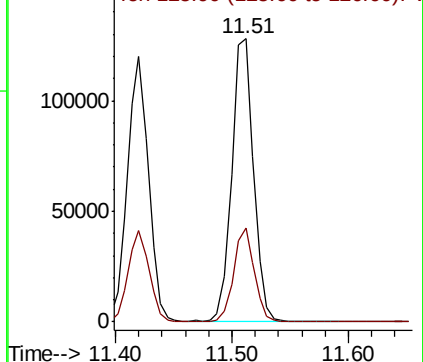
Ion Ratio Lower Upper

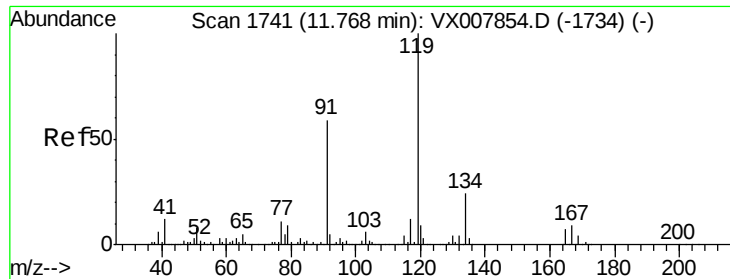
91 100

126 31.5 15.6 46.8



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





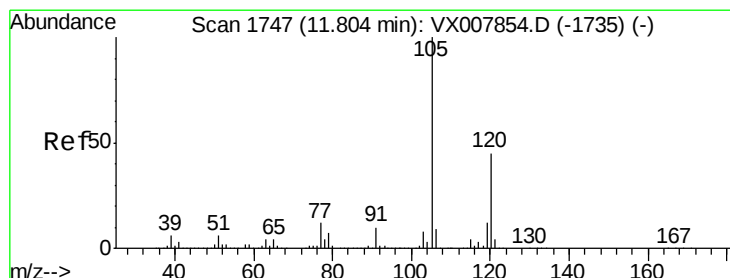
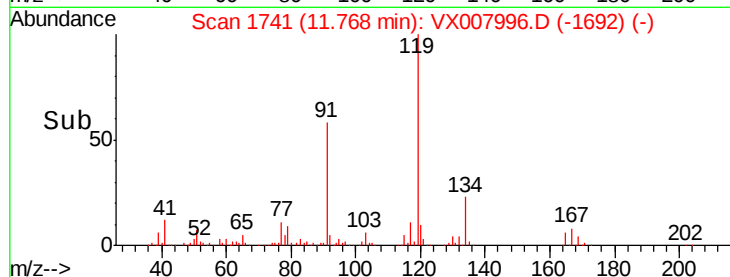
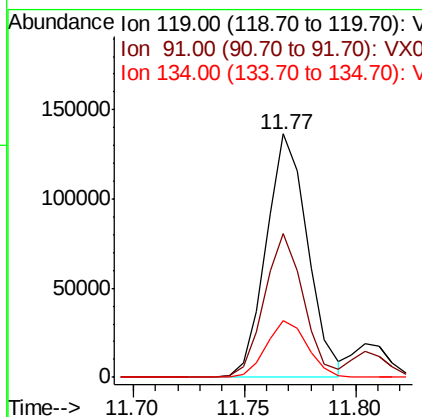
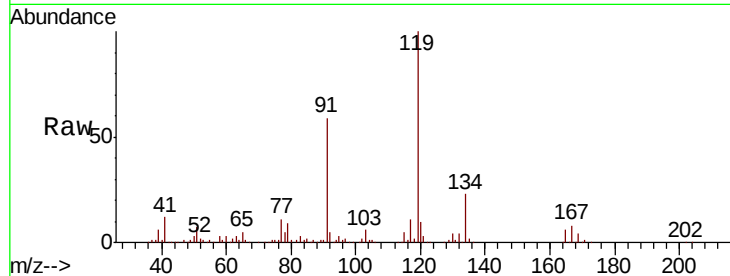
#83
 tert-Butylbenzene
 Concen: 19.989 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	176128		
91	56.1	27.1	81.3	
134	23.3	11.4	34.1	

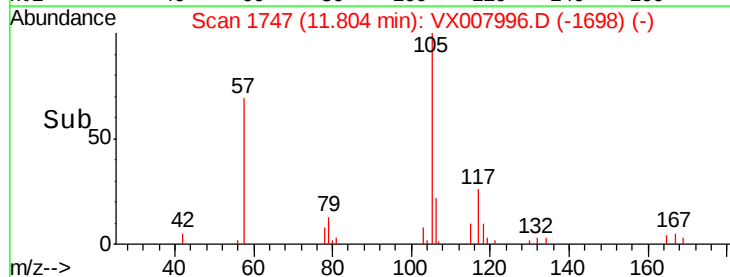
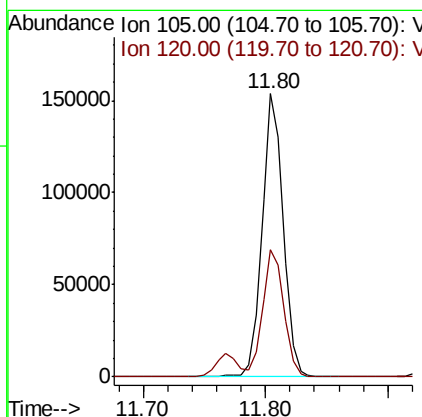
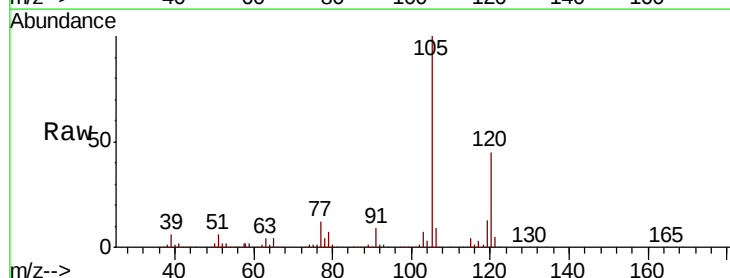
Manual Integrations
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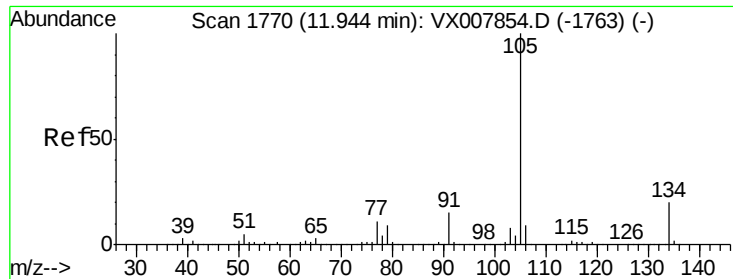
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.712 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	185732		
120	44.5	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.714 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD03

Tgt Ion:105 Resp: 214963

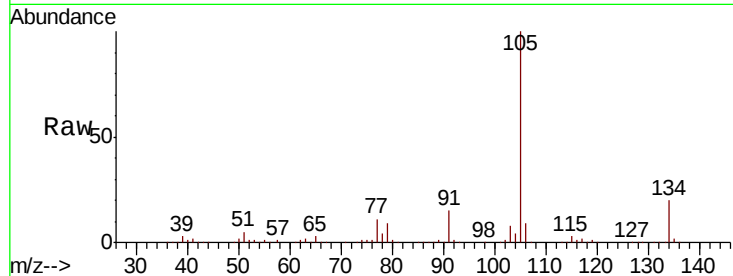
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.2

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

150000

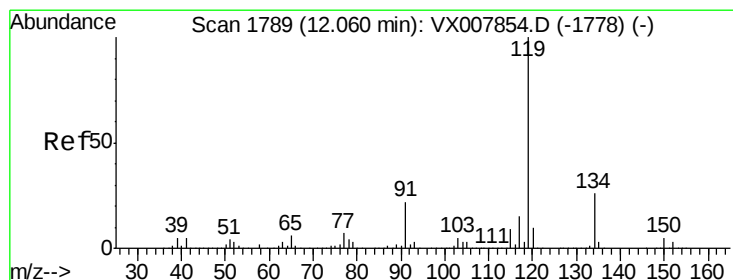
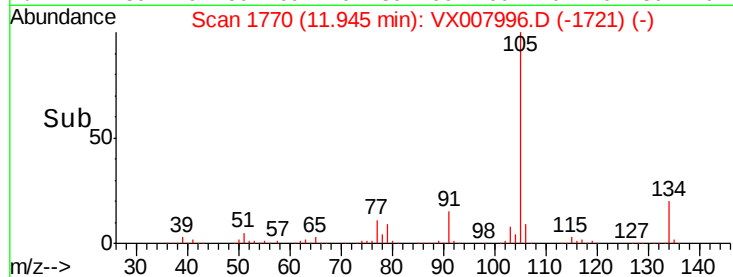
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 20.614 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

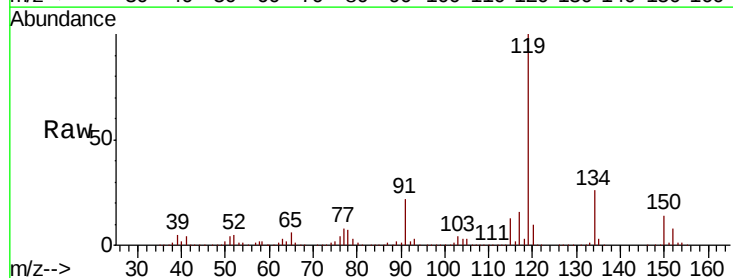
Tgt Ion:119 Resp: 191586

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 21.8 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

200000

150000

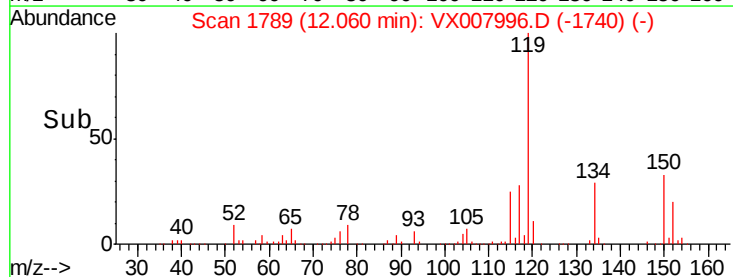
100000

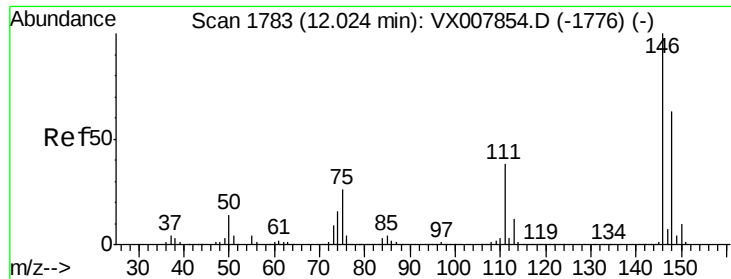
50000

0

Time-->

12.00 12.10





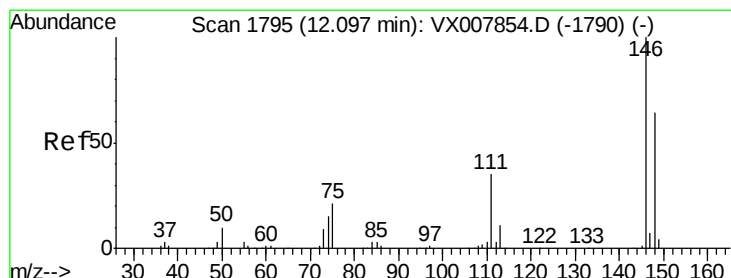
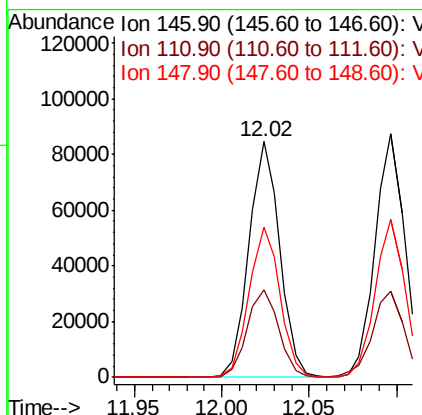
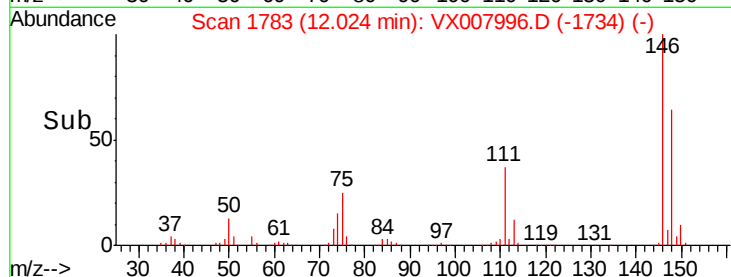
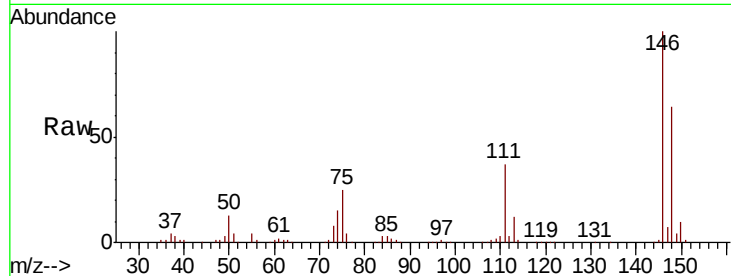
#87
 1,3-Dichlorobenzene
 Concen: 20.130 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.7
148	64.1	31.7	95.1

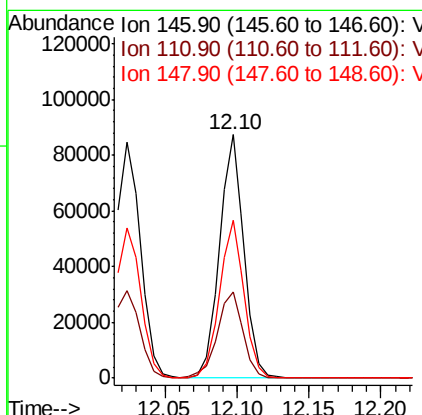
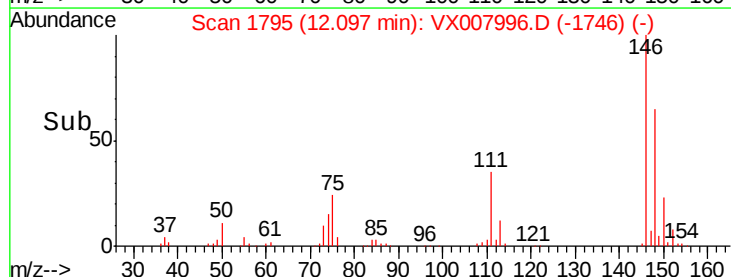
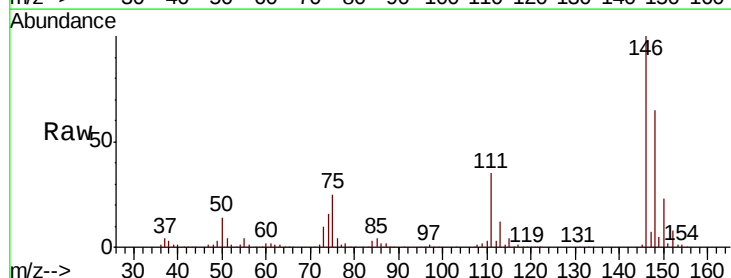
Manual Integrations
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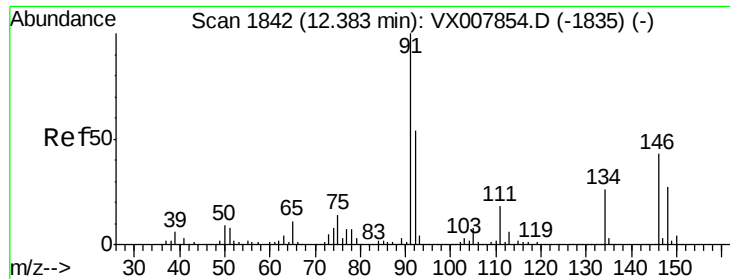
MMDadoda
 3/12/2019 3:24:05 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.627 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007996.D
 Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.4	55.0
148	65.0	32.2	96.6





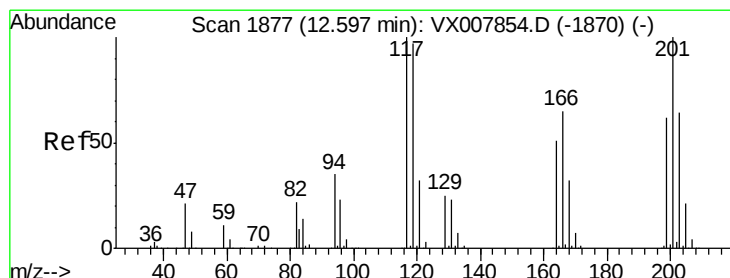
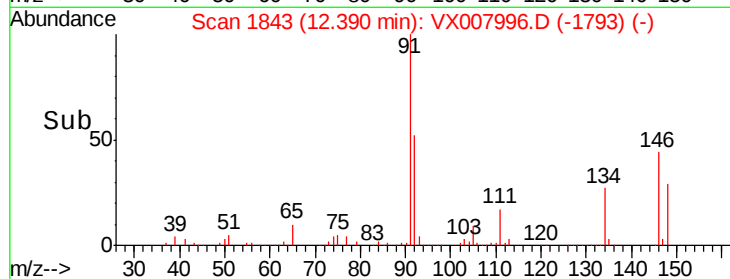
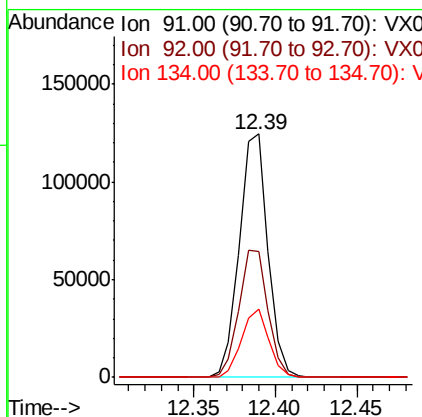
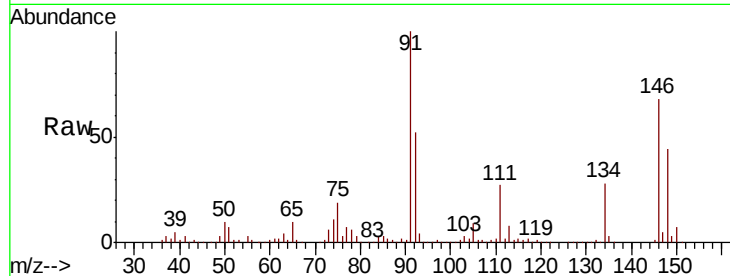
#89
n-Butylbenzene
Concen: 19.383 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	80.8
134	26.9	13.7	41.0

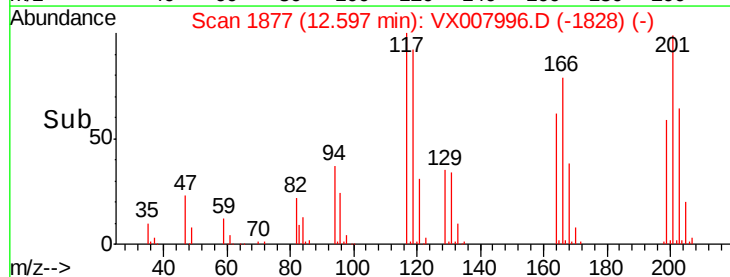
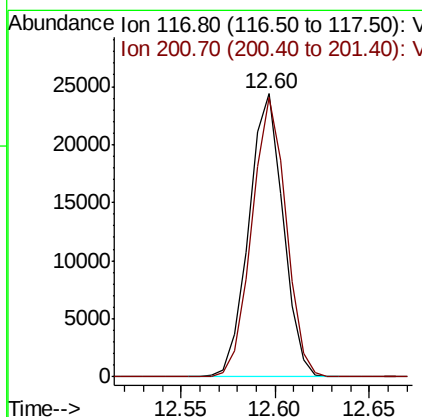
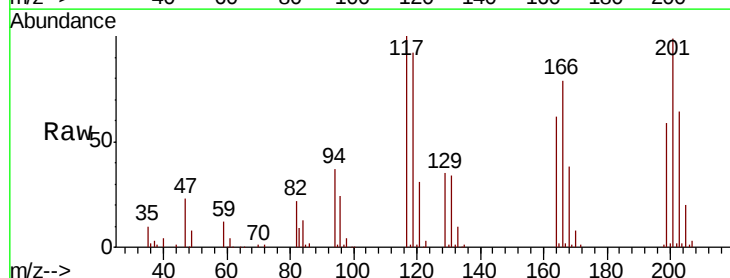
Manual Integrations
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#90
Hexachloroethane
Concen: 19.817 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.1	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 20.284 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Instrument :

MSVOA_X

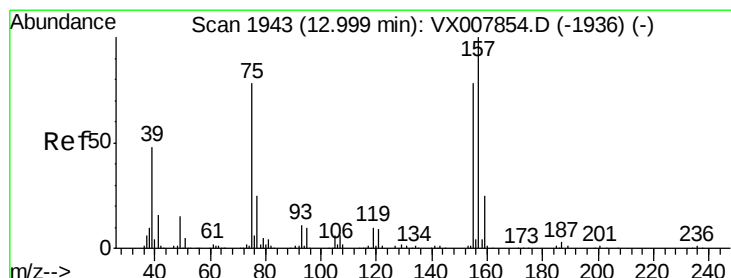
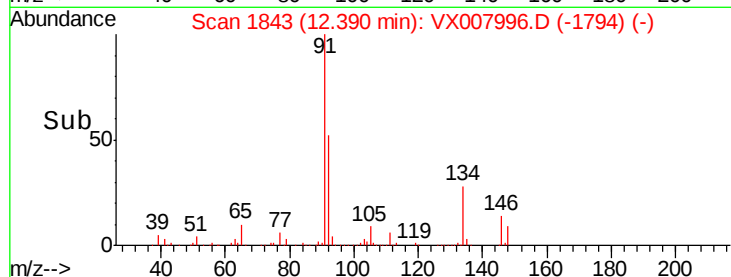
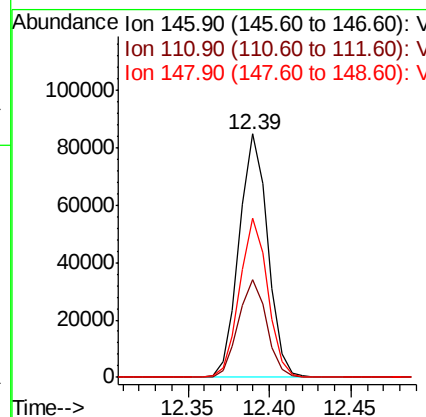
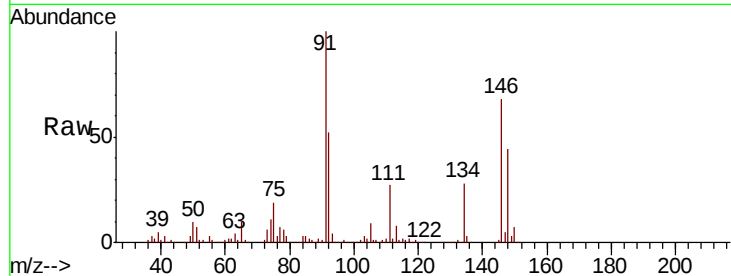
ClientSampleId :

VX0311WBSD03

Tgt Ion:	146	Resp:	103875
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.6	58.8
148	64.0	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.229 ug/l

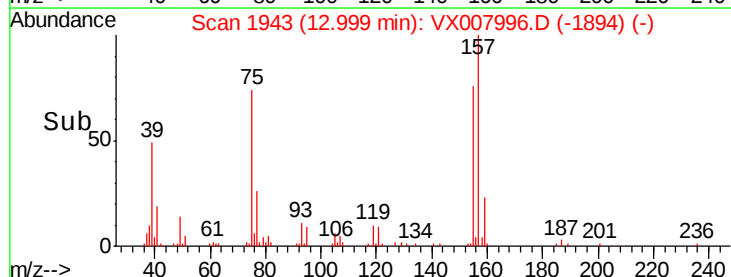
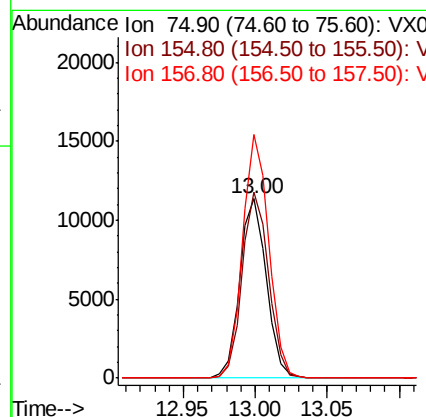
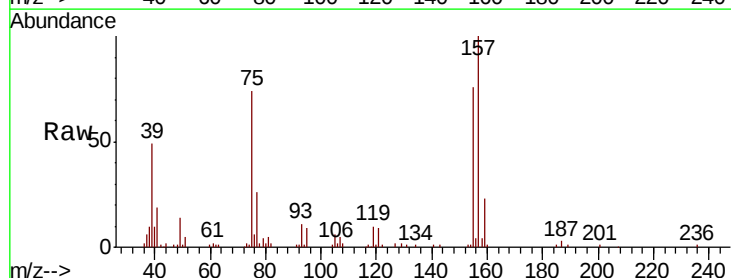
RT: 13.00 min Scan# 1943

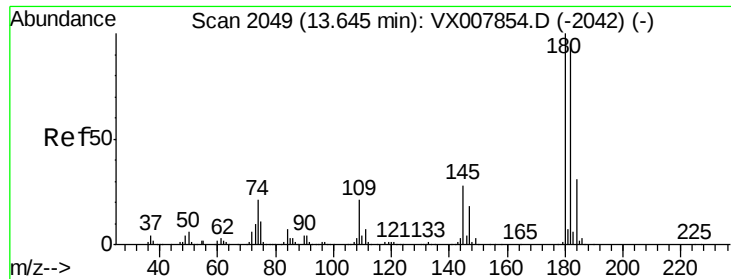
Delta R.T. 0.00 min

Lab File: VX007996.D

Acq: 12 Mar 2019 05:48

Tgt Ion:	75	Resp:	14733
Ion Ratio	Lower	Upper	
75	100		
155	101.8	49.7	149.1
157	131.8	63.8	191.4





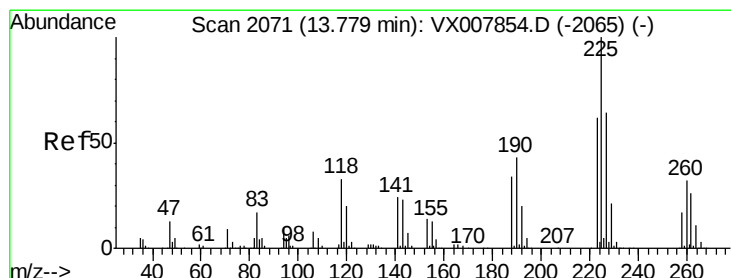
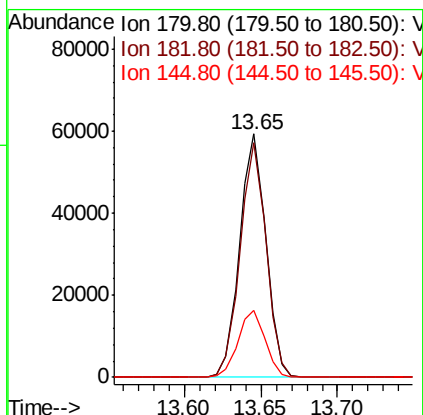
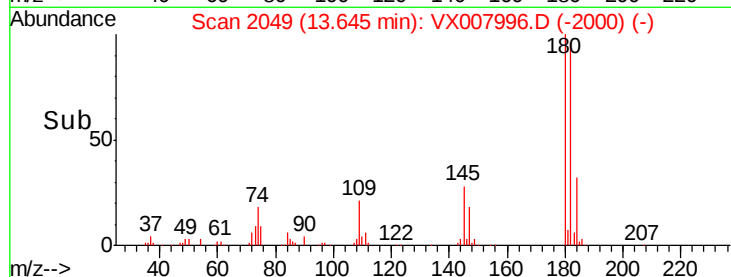
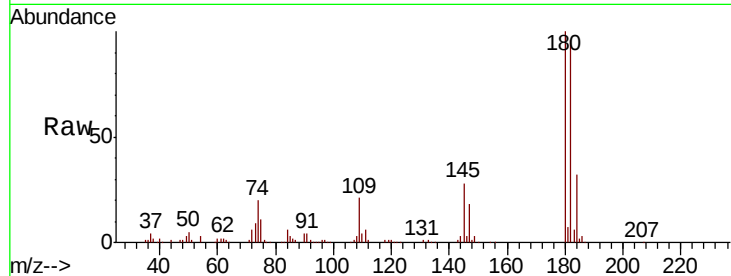
#93
1,2,4-Trichlorobenzene
Concen: 19.600 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	28.4	14.1	42.4

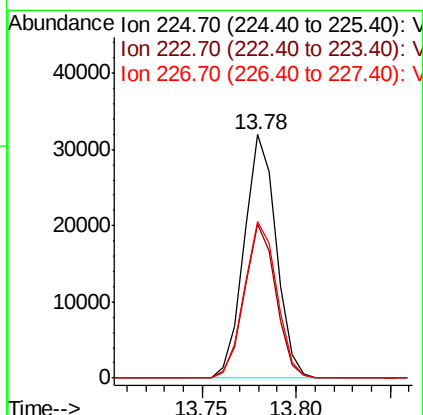
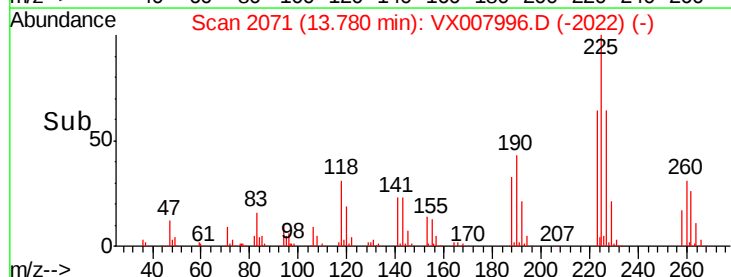
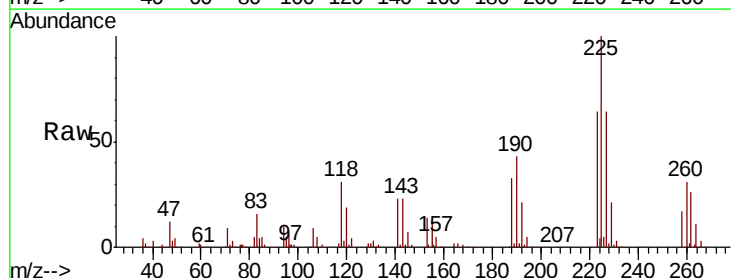
Manual Integrations
APPROVED

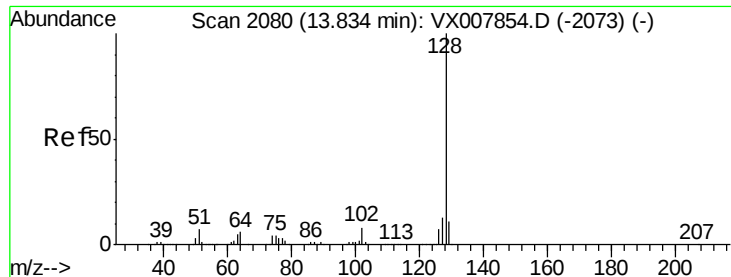
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#94
Hexachlorobutadiene
Concen: 20.101 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.2
227	65.2	32.0	96.0





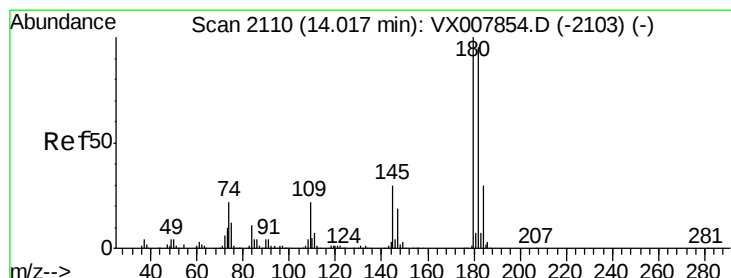
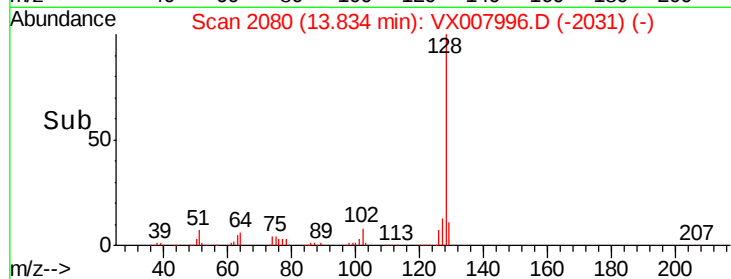
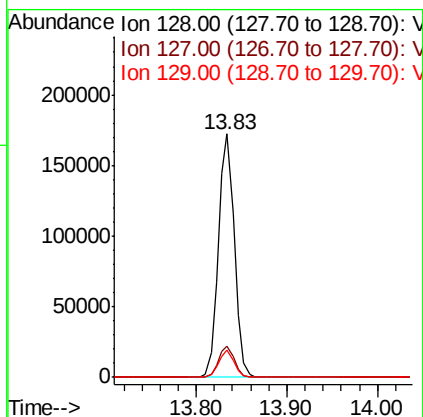
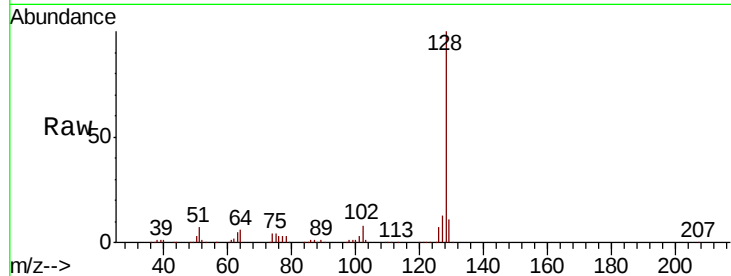
#95
Naphthalene
Concen: 20.409 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD03

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	211554		
127	12.9	10.3	15.5	
129	10.8	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/12/2019 3:24:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.028 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007996.D
Acq: 12 Mar 2019 05:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	71777		
182	95.1	47.5	142.5	
145	30.1	14.8	44.3	

