

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073119\
 Data File : VX011256.D
 Acq On : 31 Jul 2019 20:23
 Operator : JC/SP
 Sample : VX0731WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBSD01

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 11:20:05 AM

Quant Time: Aug 01 03:41:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	185052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	273140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	101491	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	5.49	113	89995	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	8.71	98	328954	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.13	95	122763	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	33133	17.154	ug/l	98
3) Chloromethane	1.33	50	29733	17.472	ug/l	100
4) Vinyl Chloride	1.41	62	32972	18.996	ug/l	98
5) Bromomethane	1.64	94	20259	20.712	ug/l	98
6) Chloroethane	1.72	64	21733	19.702	ug/l	95
7) Trichlorofluoromethane	1.93	101	59224	20.156	ug/l	95
8) Diethyl Ether	2.19	74	20489	20.239	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32132	19.153	ug/l	98
10) Methyl Iodide	2.51	142	36223	16.453	ug/l	98
11) Tert butyl alcohol	3.04	59	45012	98.175	ug/l	100
12) 1,1-Dichloroethene	2.37	96	31121	18.881	ug/l	97
13) Acrolein	2.29	56	25627	96.743	ug/l	100
14) Allyl chloride	2.73	41	43822	18.303	ug/l	98
15) Acrylonitrile	3.14	53	92850	100.221	ug/l	98
16) Acetone	2.44	43	79725	89.665	ug/l	97
17) Carbon Disulfide	2.57	76	60243	14.248	ug/l	99
18) Methyl Acetate	2.78	43	45694	22.569	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	106402	20.052	ug/l	99
20) Methylene Chloride	2.86	84	35671	18.931	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	31378	17.941	ug/l	97
22) Diisopropyl ether	3.86	45	101668	20.134	ug/l	91
23) Vinyl Acetate	3.81	43	416926	97.447	ug/l	100
24) 1,1-Dichloroethane	3.70	63	57902	19.745	ug/l	99
25) 2-Butanone	4.67	43	128072	100.342	ug/l	96
26) 2,2-Dichloropropane	4.59	77	41736	17.333	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	39244	19.388	ug/l	98
28) Bromochloromethane	5.01	49	27779	20.102	ug/l	98
29) Tetrahydrofuran	5.13	42	81780	101.151	ug/l	100
30) Chloroform	5.21	83	62872	19.835	ug/l	95
31) Cyclohexane	5.58	56	47231	17.670	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	53538	19.523	ug/l	99
36) 1,1-Dichloropropene	5.80	75	42837	19.093	ug/l	98
37) Ethyl Acetate	4.84	43	46759	20.353	ug/l	97
38) Carbon Tetrachloride	5.79	117	45385	19.413	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	52198	17.940	ug/l	97
40) Benzene	6.14	78	134690	19.598	ug/l	97
41) Methacrylonitrile	5.05	41	27170	20.833	ug/l	96
42) 1,2-Dichloroethane	6.19	62	49597	20.756	ug/l	99
43) Isopropyl Acetate	6.45	43	76450	20.238	ug/l	99
44) Trichloroethene	7.21	130	38354	18.854	ug/l	96
45) 1,2-Dichloropropane	7.51	63	34942	19.976	ug/l	97
46) Dibromomethane	7.66	93	25053	20.044	ug/l	100
47) Bromodichloromethane	7.90	83	44744	20.110	ug/l	98
48) Methyl methacrylate	7.77	41	36675	19.929	ug/l	97
49) 1,4-Dioxane	7.74	88	20355	395.426	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	260052	106.197	ug/l	98
52) Toluene	8.78	92	87731	19.432	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	44972	18.798	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	50837	19.096	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	37498	20.172	ug/l	99
56) Ethyl methacrylate	9.18	69	54861	20.175	ug/l	97
57) 1,3-Dichloropropane	9.37	76	60058	20.366	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	135757	104.586	ug/l	99
59) 2-Hexanone	9.49	43	203073	106.919	ug/l	99
60) Dibromochloromethane	9.58	129	36394	18.679	ug/l	98
61) 1,2-Dibromoethane	9.67	107	40201	20.377	ug/l	99
64) Tetrachloroethene	9.34	164	40018	20.295	ug/l	99
65) Chlorobenzene	10.13	112	102055	19.823	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	35855	19.816	ug/l	99
67) Ethyl Benzene	10.25	91	171449	19.565	ug/l	100
68) m/p-Xylenes	10.36	106	131880	39.234	ug/l	99
69) o-Xylene	10.69	106	64385	19.626	ug/l	98
70) Styrene	10.71	104	109733	20.066	ug/l	99
71) Bromoform	10.85	173	26335	17.720	ug/l #	98
73) Isopropylbenzene	11.02	105	176098	19.937	ug/l	100
74) N-amyl acetate	10.90	43	66922	19.829	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	59808	20.690	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	49204m	20.858	ug/l	
77) Bromobenzene	11.25	156	47986	19.695	ug/l	99
78) n-propylbenzene	11.36	91	193366	19.813	ug/l	100
79) 2-Chlorotoluene	11.42	91	115534	19.706	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	145719	19.743	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	13511	17.336	ug/l	88
82) 4-Chlorotoluene	11.51	91	134145	19.659	ug/l	100
83) tert-Butylbenzene	11.77	119	143353	19.773	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	147884	19.879	ug/l	99
85) sec-Butylbenzene	11.94	105	170963	20.125	ug/l	99
86) p-Isopropyltoluene	12.06	119	158004	20.119	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	84548	19.996	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	84413	19.466	ug/l	97
89) n-Butylbenzene	12.38	91	134079	19.956	ug/l	99
90) Hexachloroethane	12.59	117	22564	18.216	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	85489	20.401	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	12540	20.754	ug/l	95

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ClientSampleId :
VX0731WBSD01

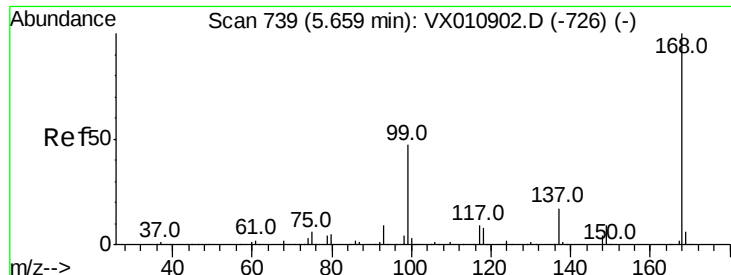
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
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QLast Update : Wed Jul 24 05:39:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	58200	20.493	ug/l	98
94) Hexachlorobutadiene	13.78	225	28177	20.022	ug/l	100
95) Naphthalene	13.83	128	186873	22.284	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	61056	21.607	ug/l	99

(#) = 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. 0.01 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampled :

VX0731WBSD01

Tot Ion:168 Resp: 185052

Ion Ratio Lower Upper

168 100

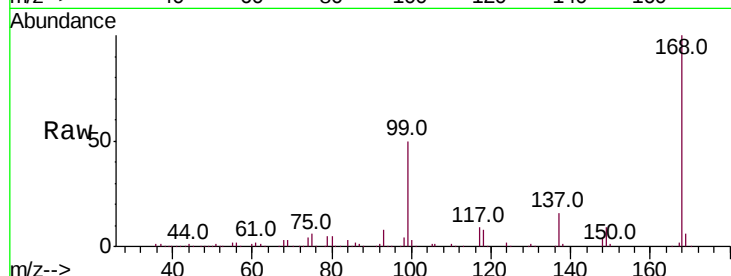
99 49.7 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

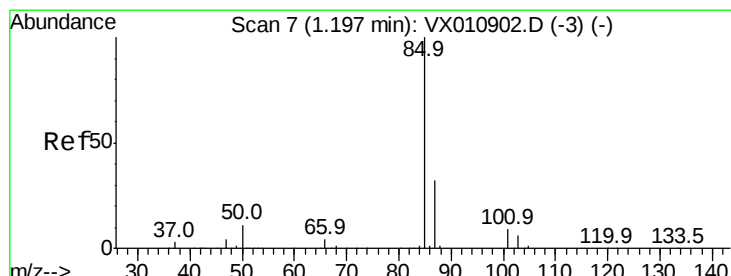
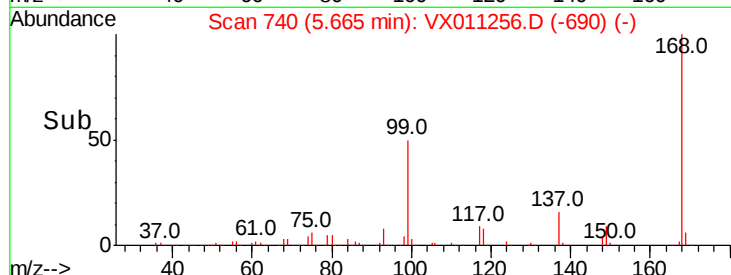
40000

20000

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Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 17.154 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011256.D

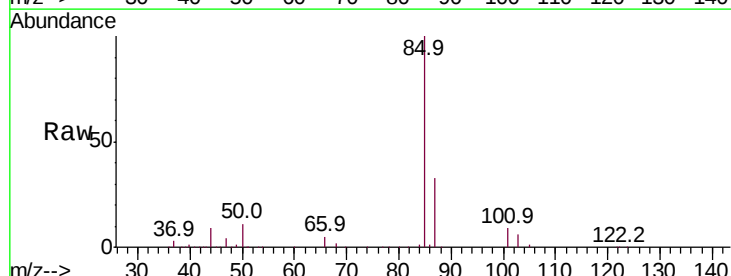
Acq: 31 Jul 2019 20:23

Tgt Ion: 85 Resp: 33133

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

30000

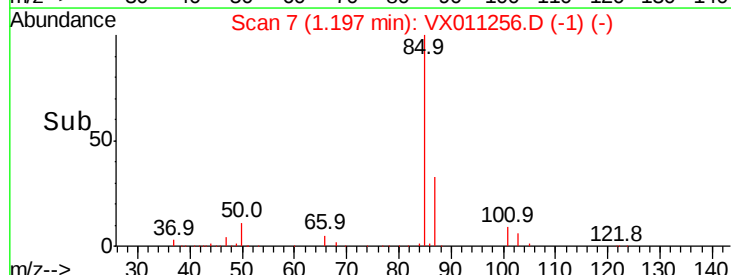
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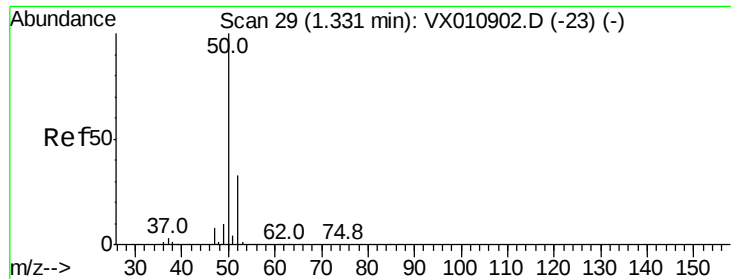
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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.472 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion: 50 Resp: 29733

Ion Ratio Lower Upper

50 100

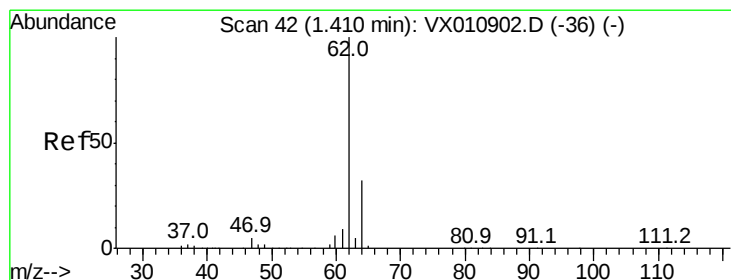
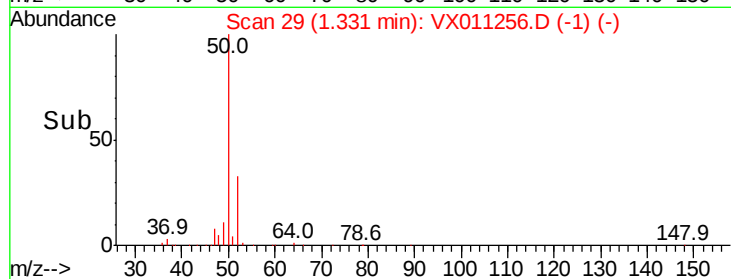
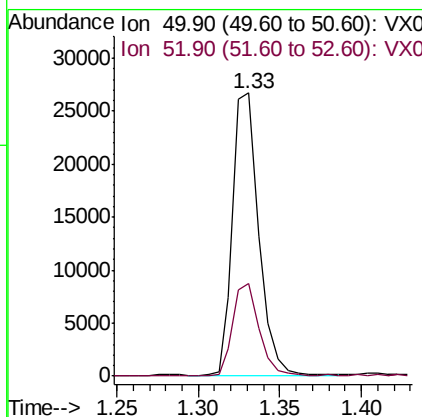
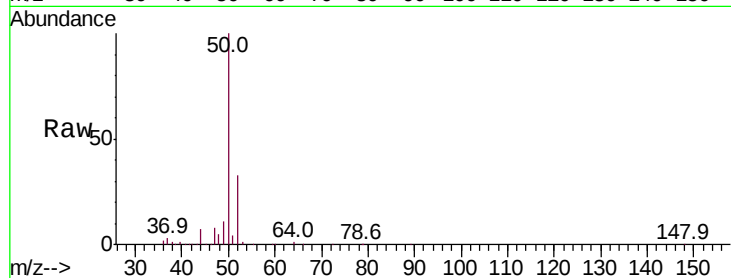
52 32.7 26.4 39.6

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#4

Vinyl Chloride

Concen: 18.996 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX011256.D

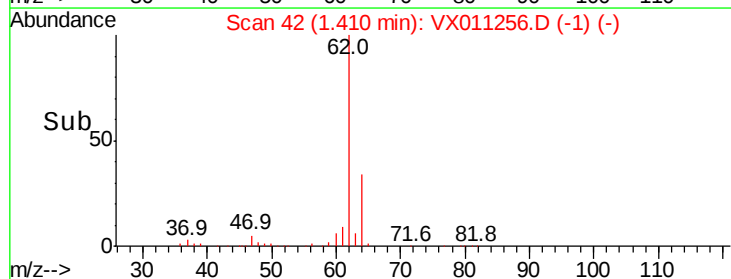
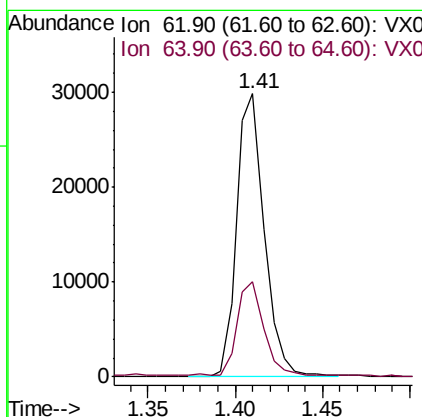
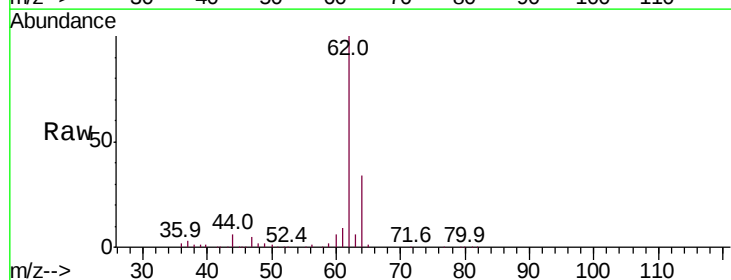
Acq: 31 Jul 2019 20:23

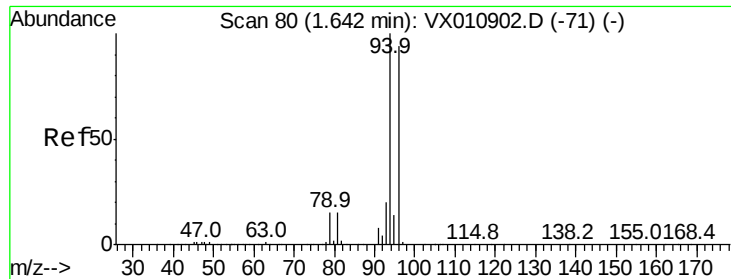
Tgt Ion: 62 Resp: 32972

Ion Ratio Lower Upper

62 100

64 33.1 25.7 38.5





#5

Bromomethane

Concen: 20.712 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion: 94 Resp: 20259

Ion Ratio Lower Upper

94 100

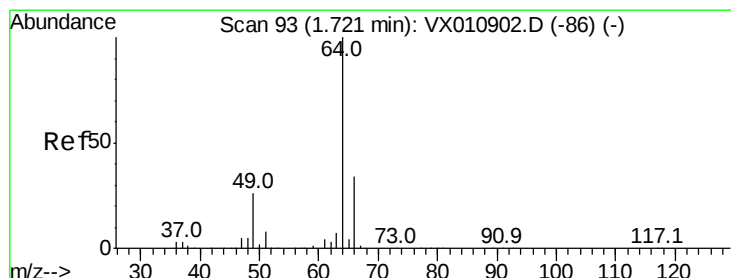
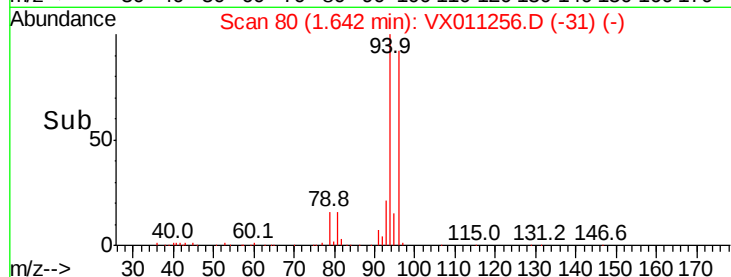
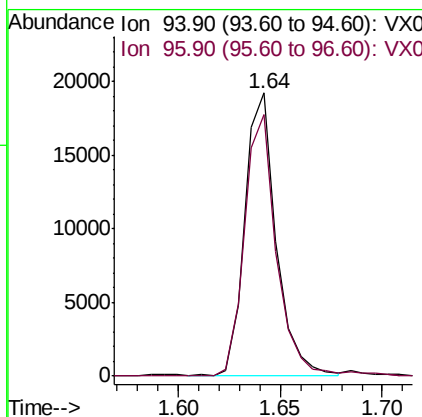
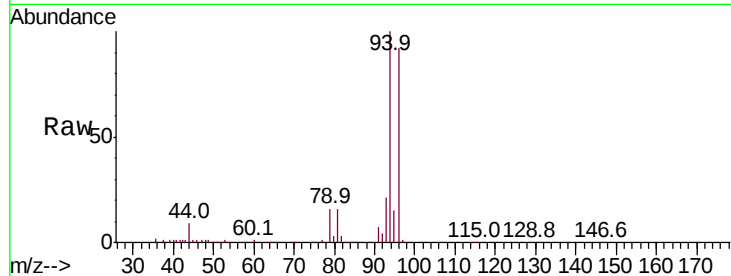
96 92.8 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 19.702 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX011256.D

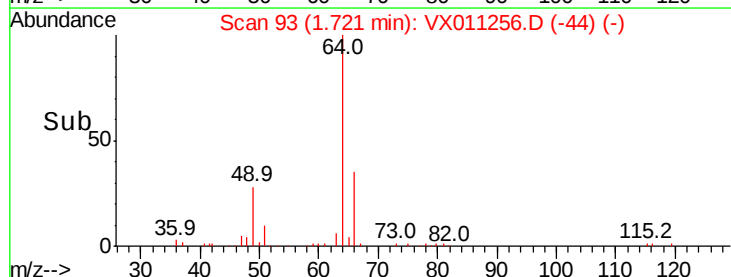
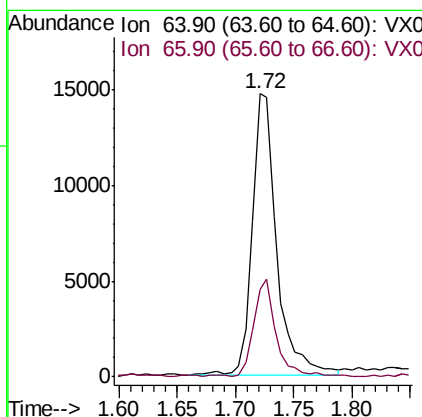
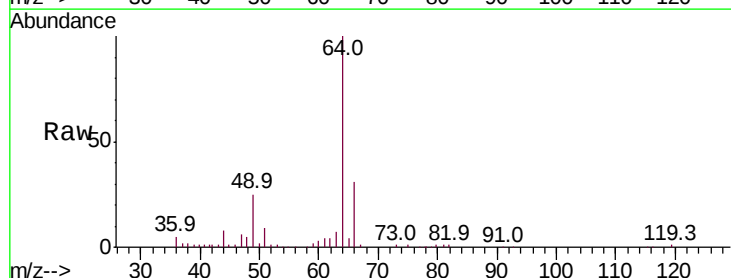
Acq: 31 Jul 2019 20:23

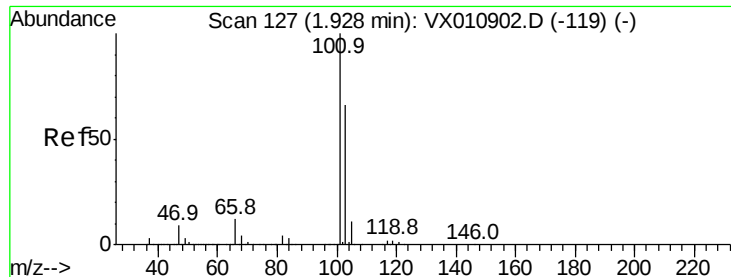
Tgt Ion: 64 Resp: 21733

Ion Ratio Lower Upper

64 100

66 30.7 27.0 40.6





#7

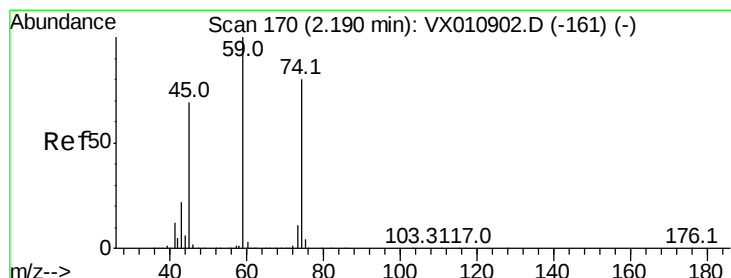
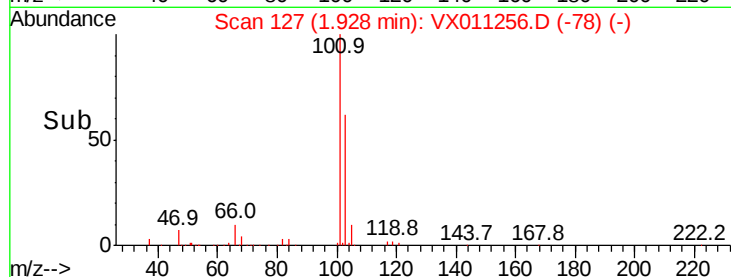
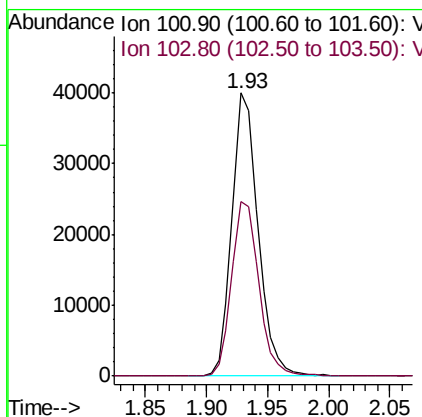
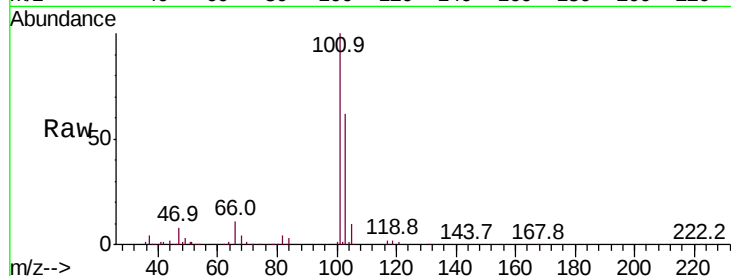
Trichlorofluoromethane
Concen: 20.156 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion:101 Resp: 59224
Ion Ratio Lower Upper
101 100
103 61.6 52.6 78.8

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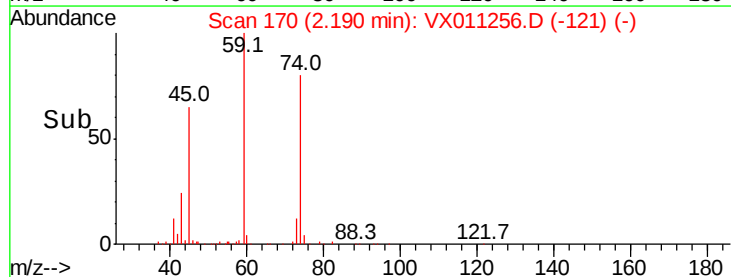
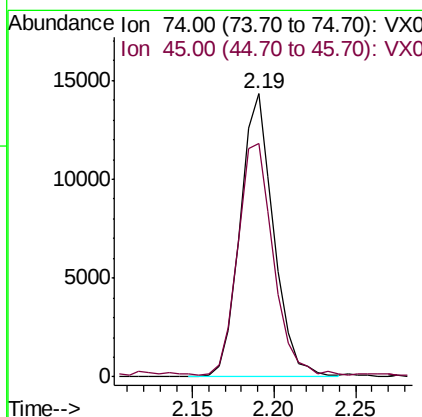
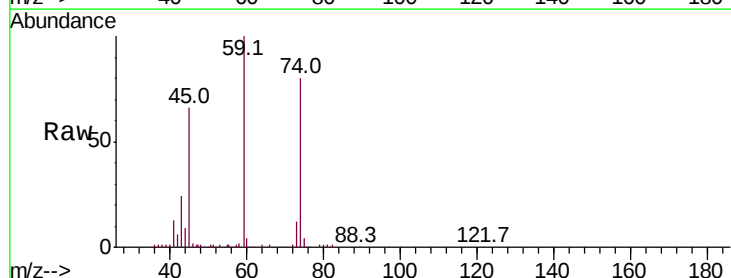
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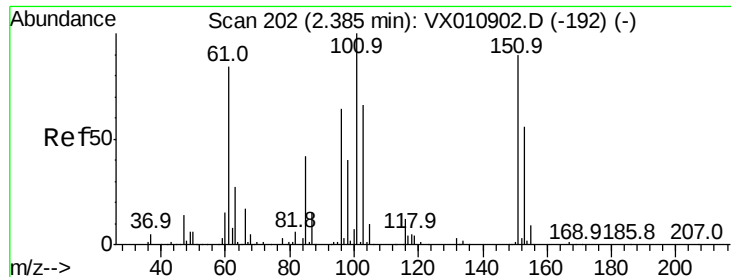


#8

Diethyl Ether
Concen: 20.239 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion: 74 Resp: 20489
Ion Ratio Lower Upper
74 100
45 86.3 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.153 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

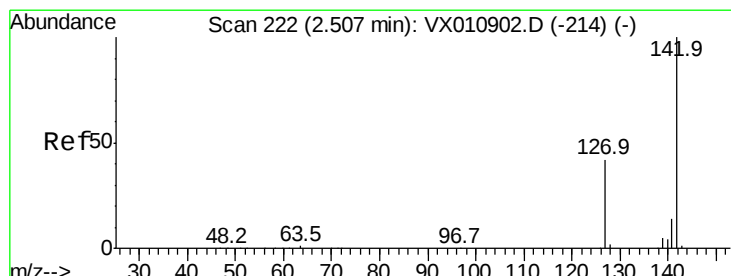
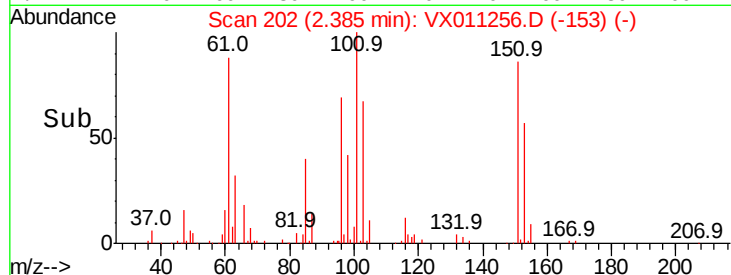
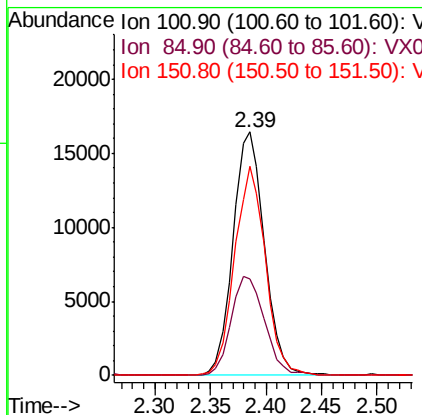
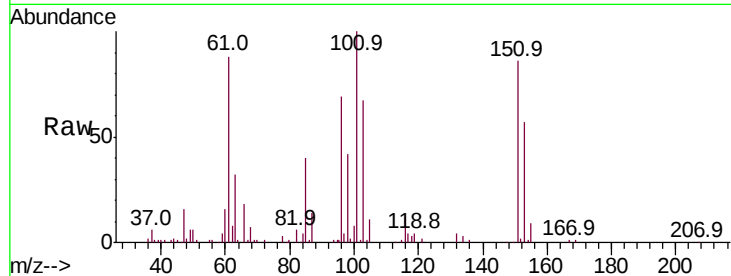
ClientSampleId :

VX0731WBSD01

Tot Ion:	101	Resp:	32132
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.6	52.0
151	84.4	69.6	104.4

Manual Integrations
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#10

Methyl Iodide

Concen: 16.453 ug/l

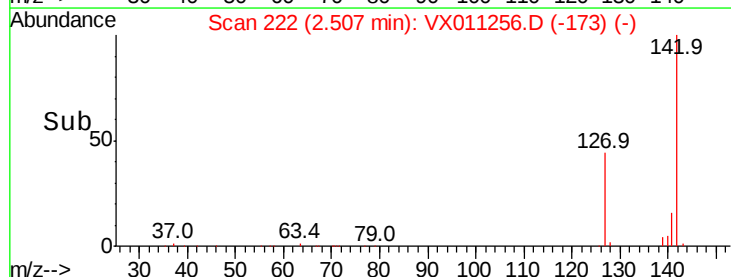
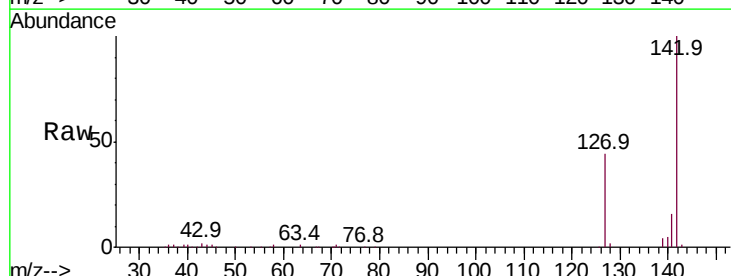
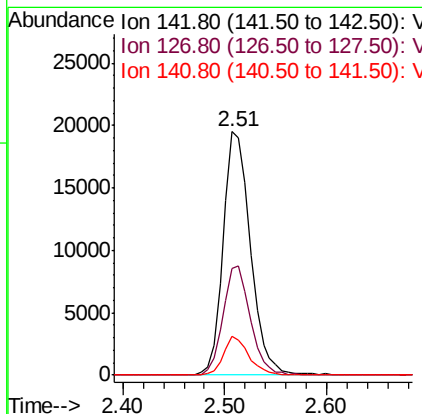
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Tgt Ion:	142	Resp:	36223
Ion Ratio	Lower	Upper	
142	100		
127	44.7	34.2	51.4
141	14.7	11.7	17.5





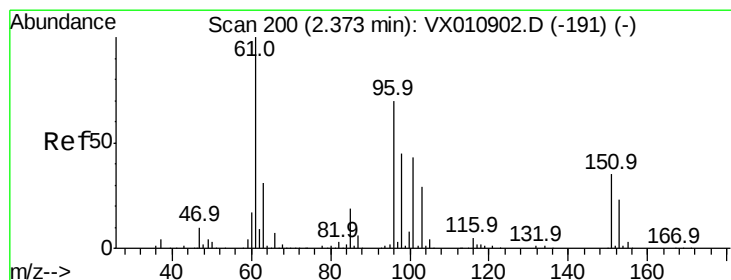
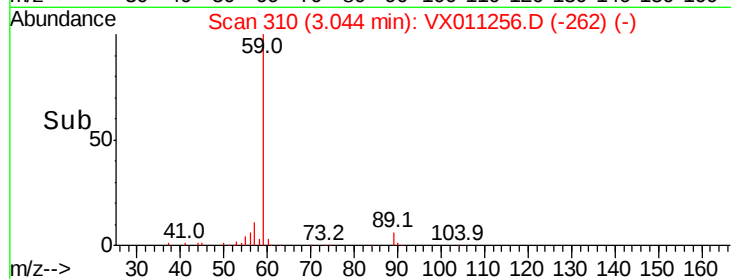
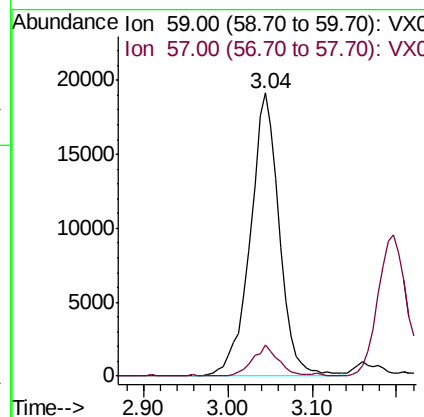
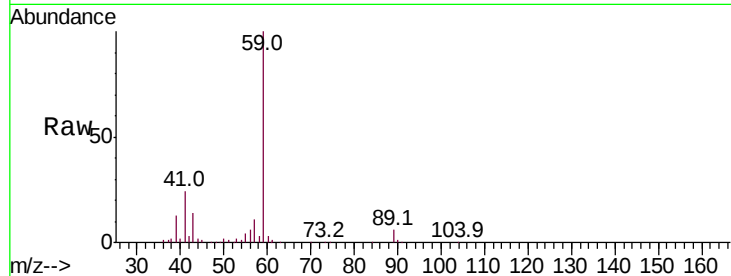
#11
Tert butyl alcohol
Concen: 98.175 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion: 59 Resp: 45012
Ion Ratio Lower Upper
59 100
57 9.9 7.9 11.9

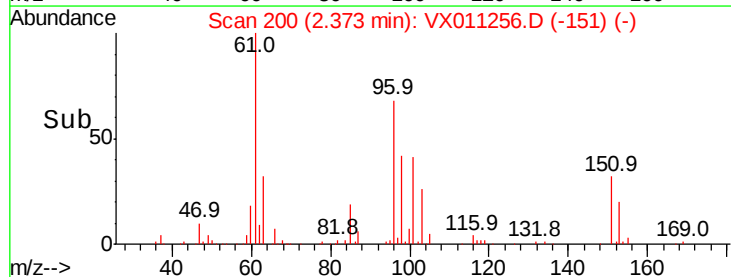
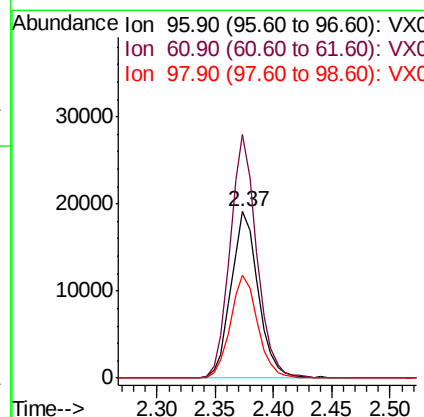
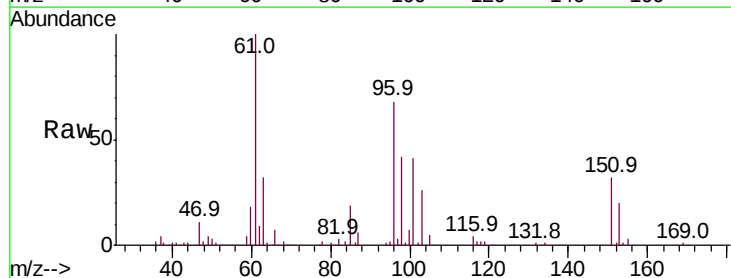
Manual Integrations
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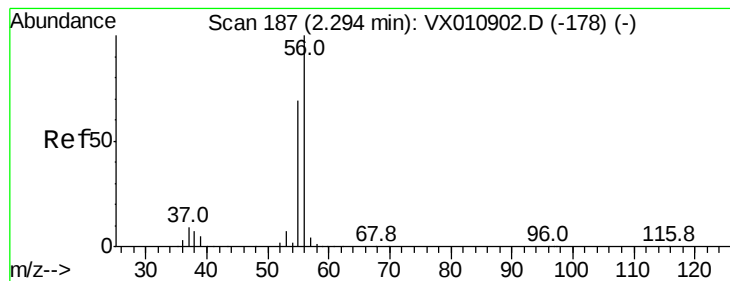
MMdadoda
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#12
1,1-Dichloroethene
Concen: 18.881 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion: 96 Resp: 31121
Ion Ratio Lower Upper
96 100
61 146.1 115.0 172.4
98 61.7 52.2 78.2





#13

Acrolein

Concen: 96.743 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampled :

VX0731WBSD01

Tot Ion: 56 Resp: 25627

Ion Ratio Lower Upper

56 100

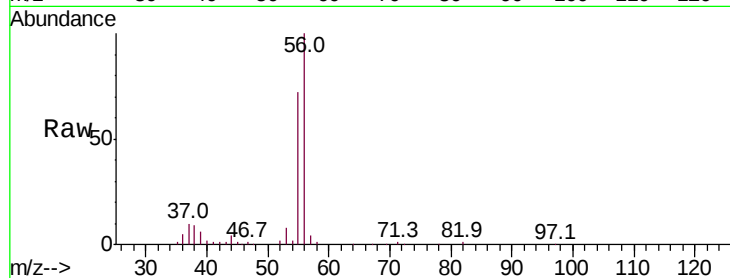
55 70.0 55.9 83.9

Manual Integrations

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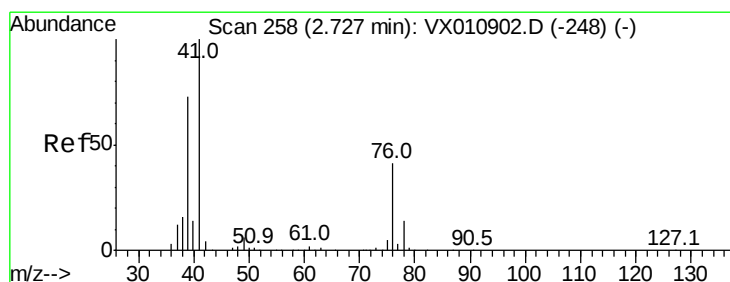
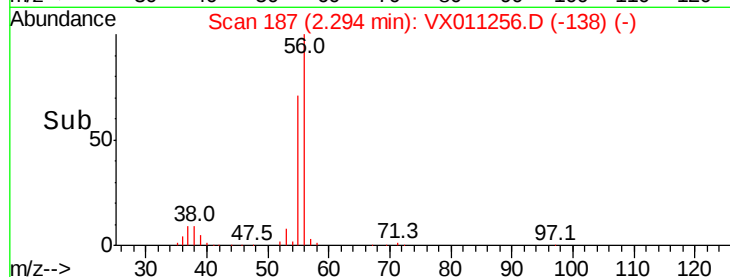
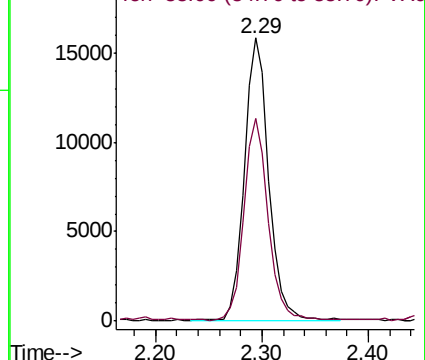
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.303 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

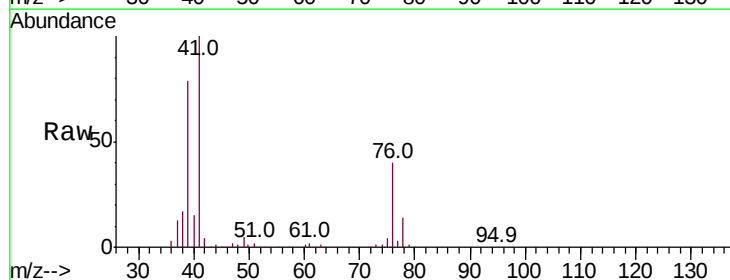
Tgt Ion: 41 Resp: 43822

Ion Ratio Lower Upper

41 100

39 68.7 53.6 80.4

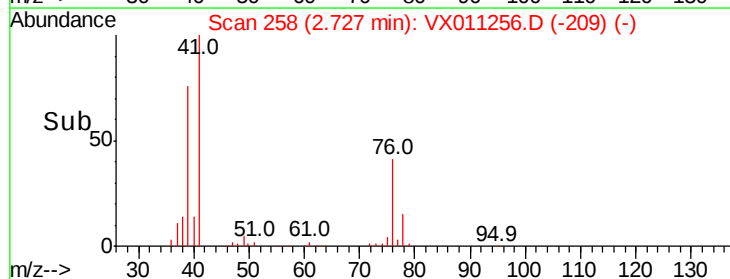
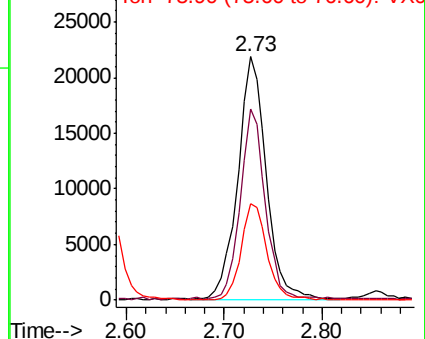
76 36.7 29.7 44.5

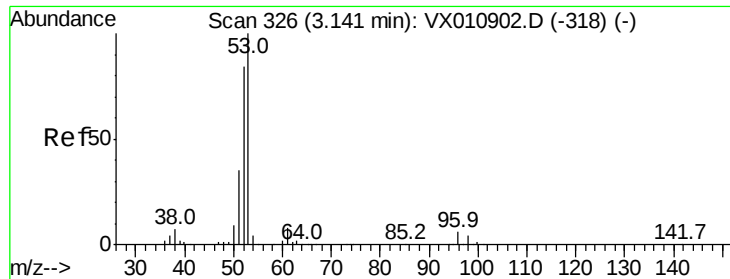


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 100.221 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

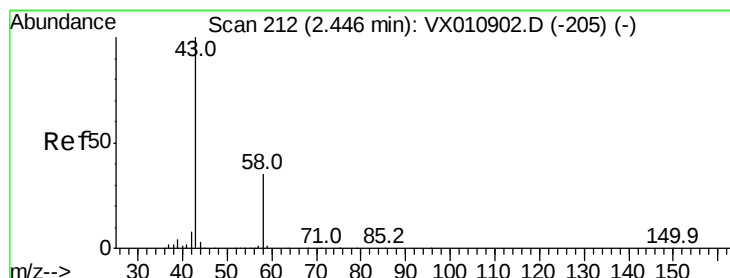
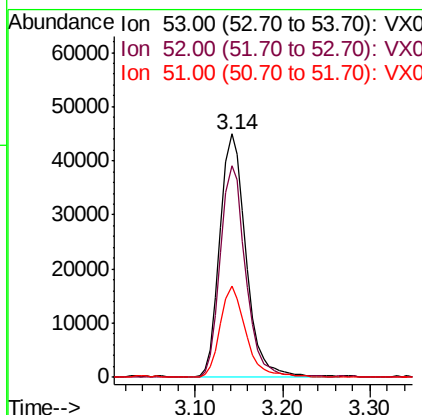
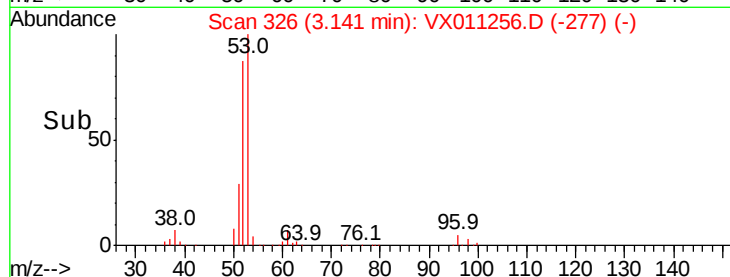
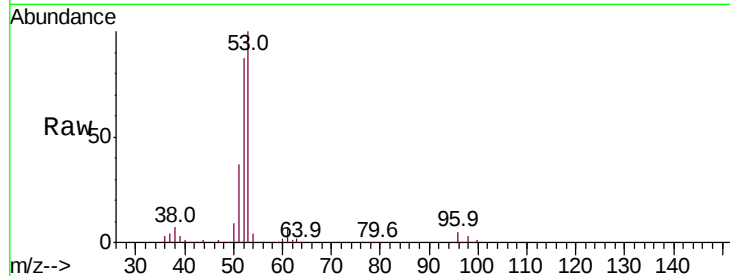
ClientSampleId :

VX0731WBSD01

Tot Ion:	53	Resp:	92850
Ion Ratio	Lower	Upper	
53	100		
52	84.9	66.5	99.7
51	37.1	28.2	42.4

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#16

Acetone

Concen: 89.665 ug/l

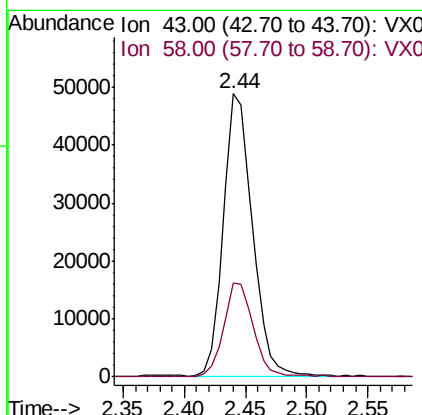
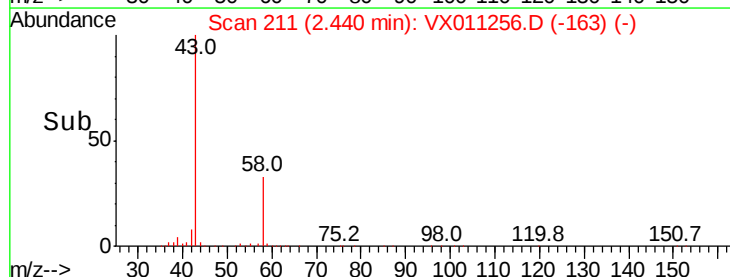
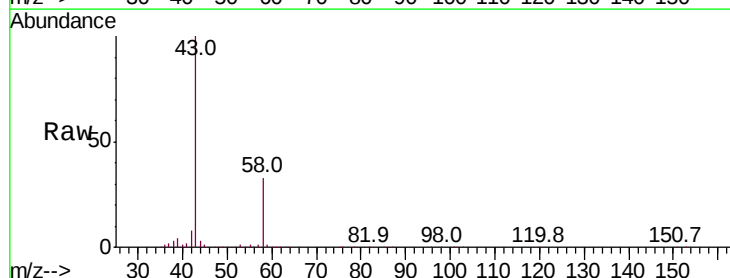
RT: 2.44 min Scan# 211

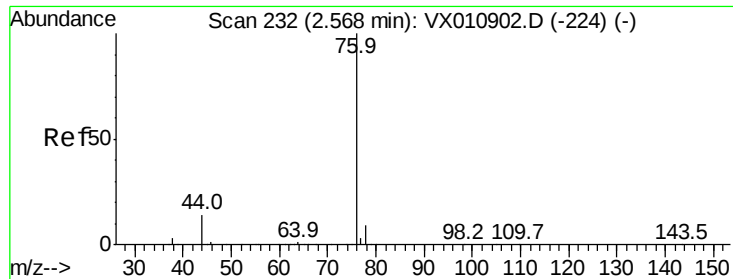
Delta R.T. -0.01 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Tgt Ion:	43	Resp:	79725
Ion Ratio	Lower	Upper	
43	100		
58	33.1	27.7	41.5





#17

Carbon Disulfide

Concen: 14.248 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion: 76 Resp: 60243

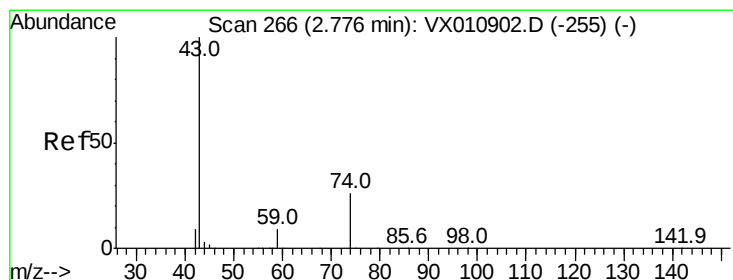
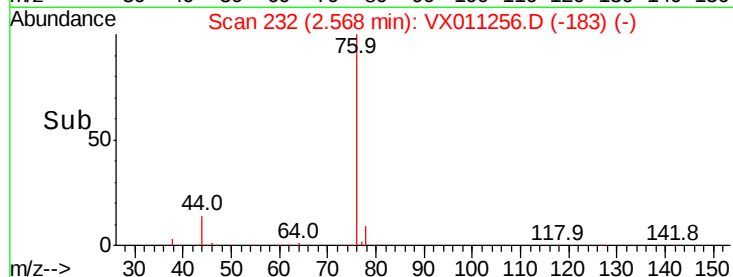
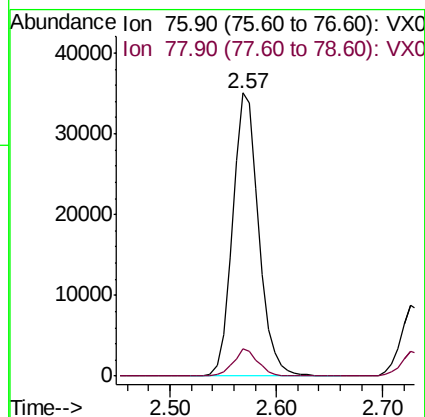
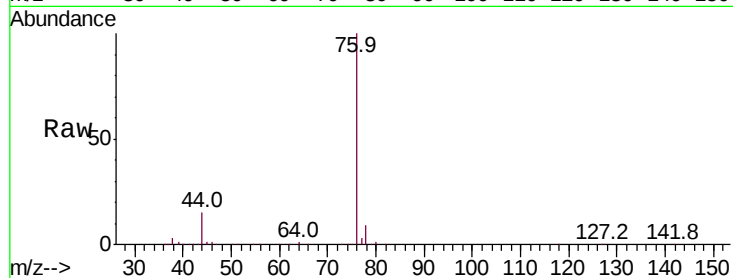
Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

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#18

Methyl Acetate

Concen: 22.569 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX011256.D

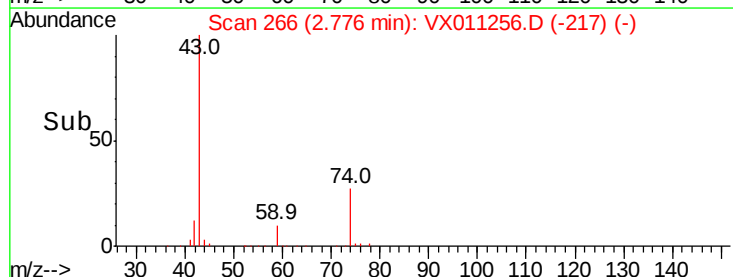
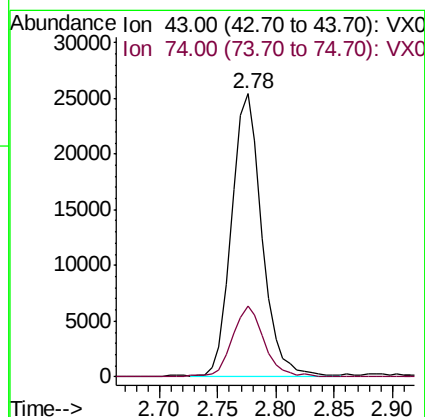
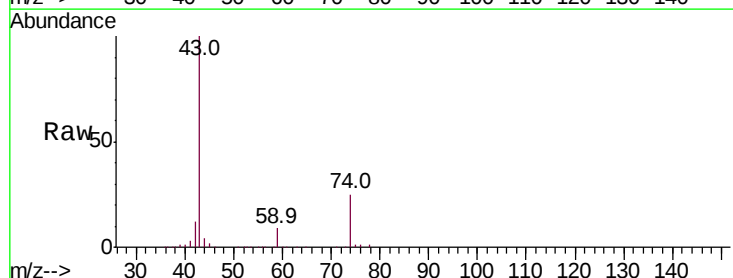
Acq: 31 Jul 2019 20:23

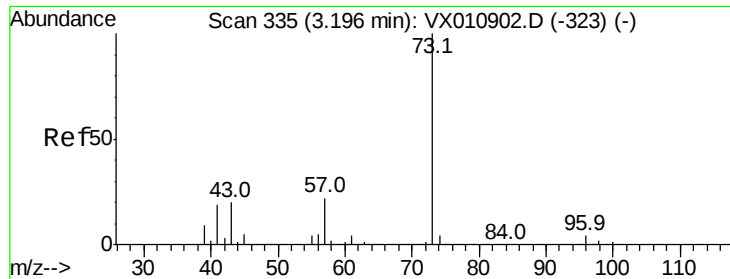
Tgt Ion: 43 Resp: 45694

Ion Ratio Lower Upper

43 100

74 26.5 21.5 32.3





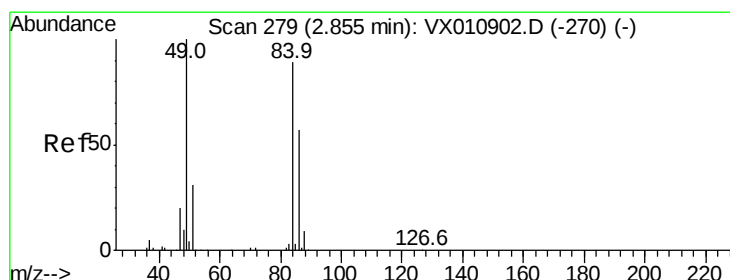
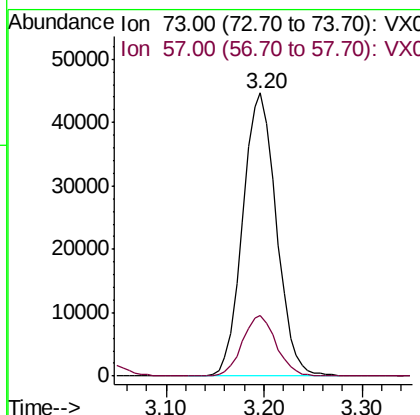
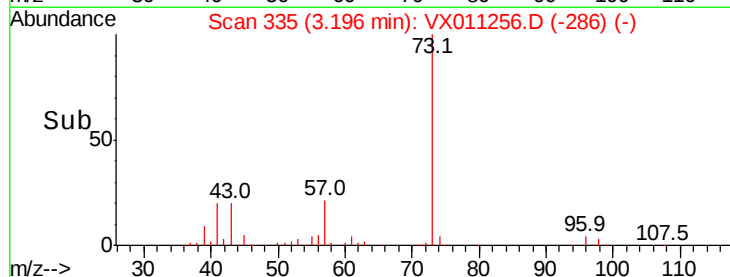
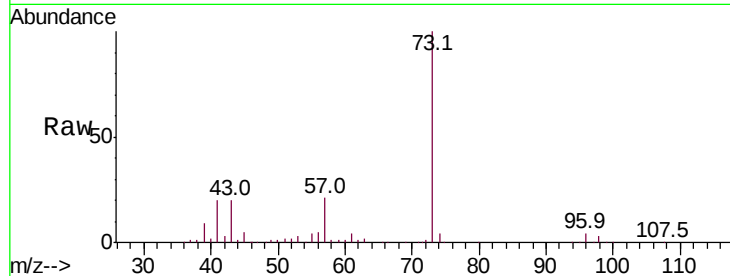
#19
Methvl tert-butvl Ether
Concen: 20.052 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion: 73 Resp: 106402
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9

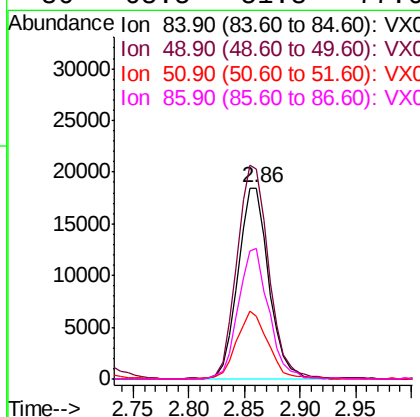
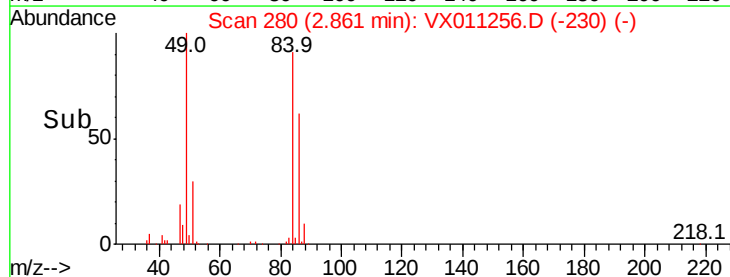
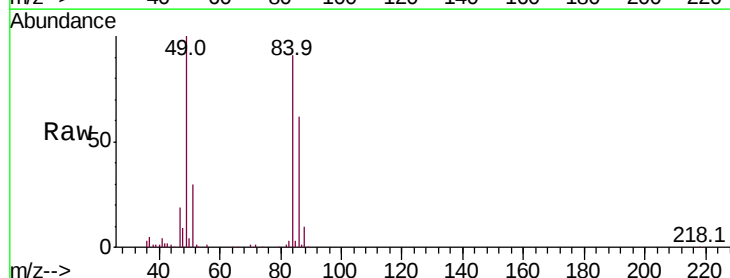
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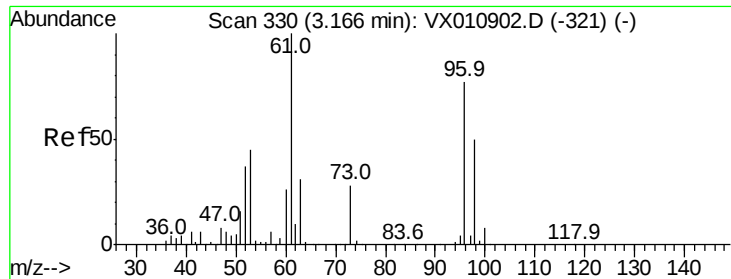
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#20
Methylene Chloride
Concen: 18.931 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion: 84 Resp: 35671
Ion Ratio Lower Upper
84 100
49 109.8 89.9 134.9
51 33.2 27.8 41.6
86 68.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 17.941 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion: 96 Resp: 31378

Ion Ratio Lower Upper

96 100

61 127.0 104.2 156.2

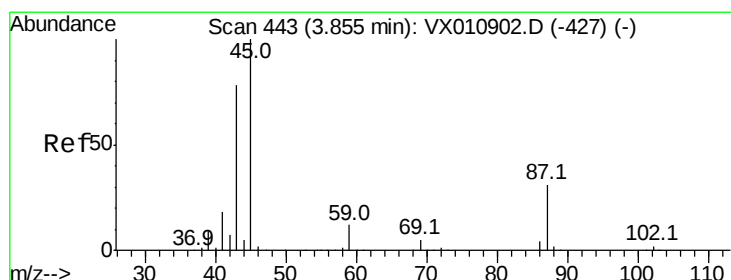
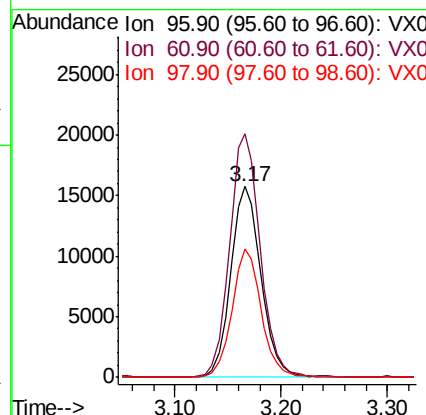
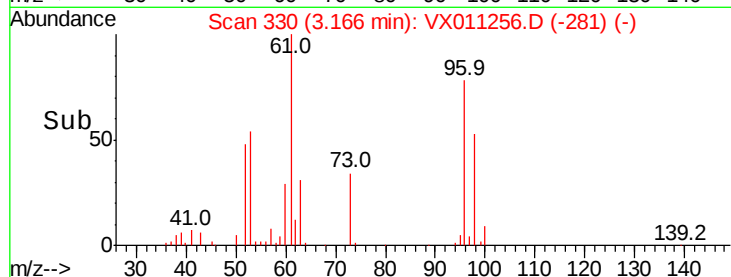
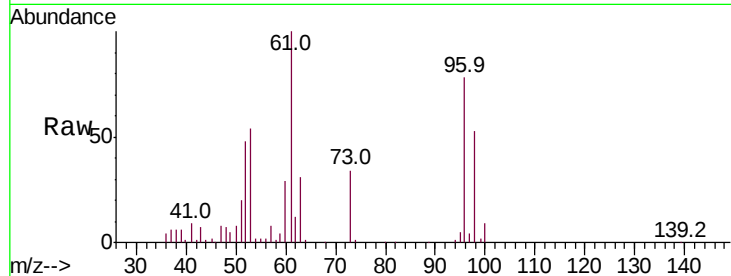
98 67.1 52.2 78.4

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#22

Diisopropyl ether

Concen: 20.134 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Tgt Ion: 45 Resp: 101668

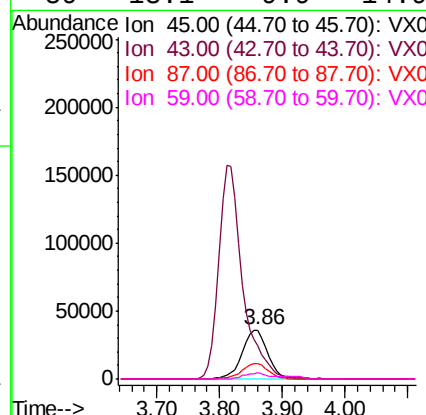
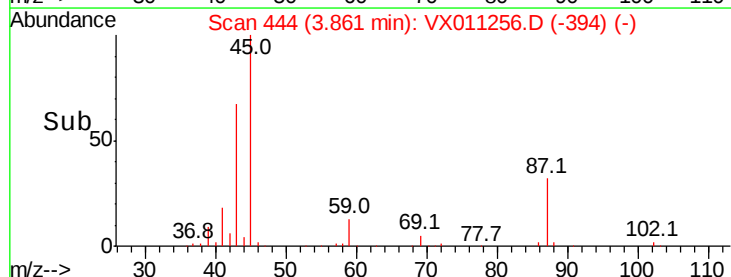
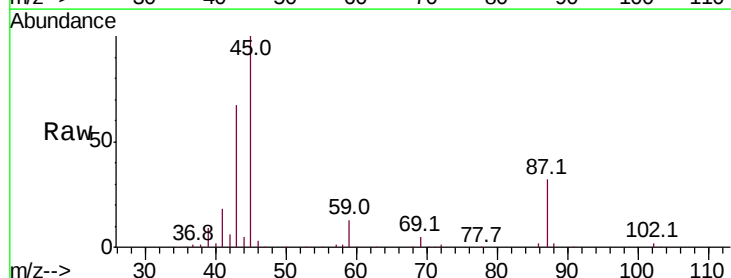
Ion Ratio Lower Upper

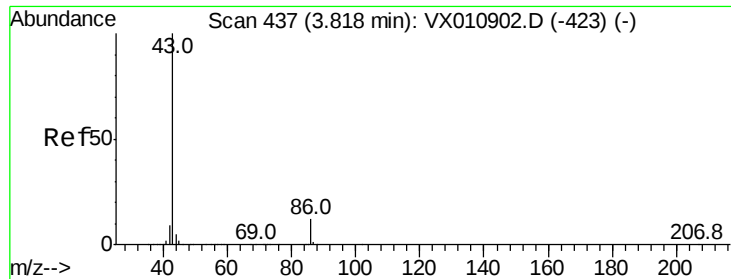
45 100

43 66.8 62.3 93.5

87 32.0 25.0 37.4

59 13.1 9.9 14.9





#23

Vinyl Acetate

Concen: 97.447 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampled :

VX0731WBSD01

Tot Ion: 43 Resp: 416926

Ion Ratio Lower Upper

43 100

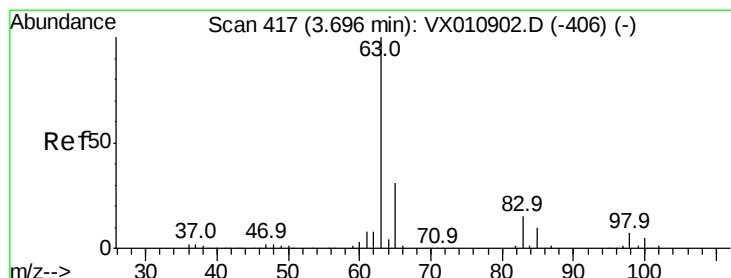
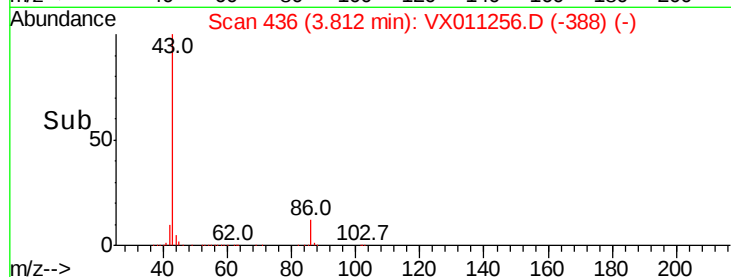
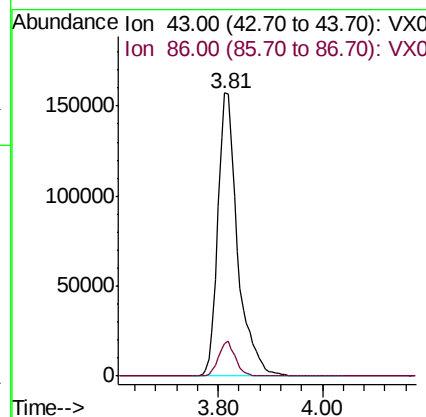
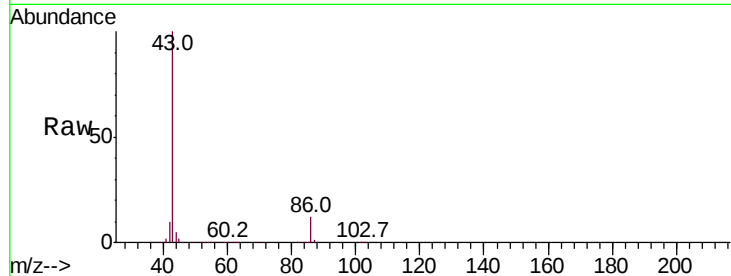
86 11.7 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 19.745 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

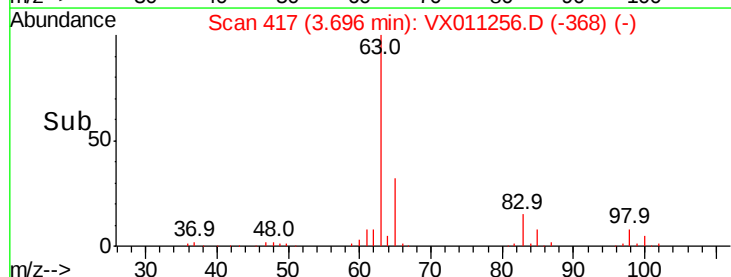
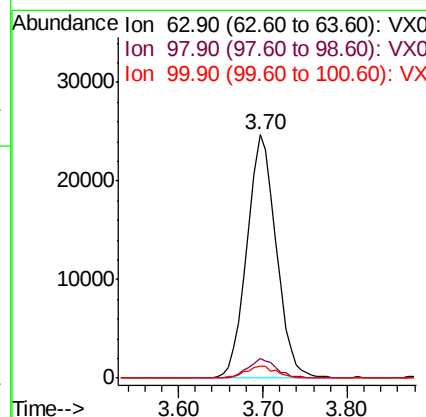
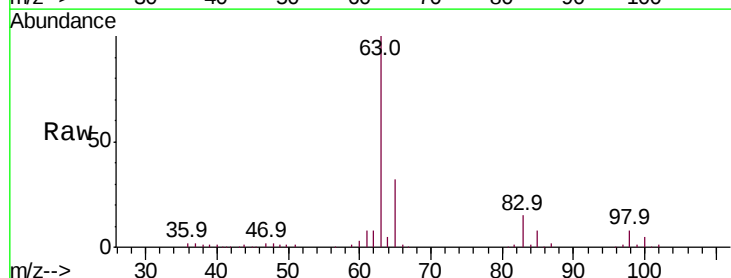
Tgt Ion: 63 Resp: 57902

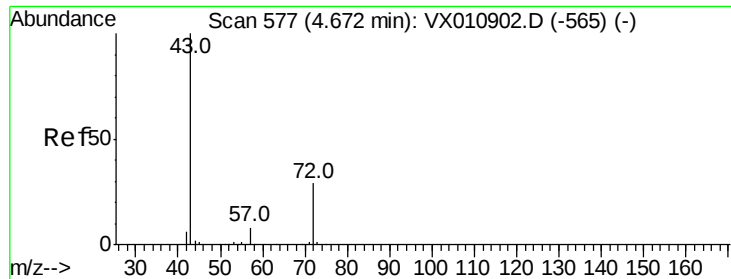
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 100.342 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Tot Ion: 43 Resp: 128072

Ion Ratio Lower Upper

43 100

72 26.5 23.0 34.6

Instrument :

MSVOA_X

ClientSampled :

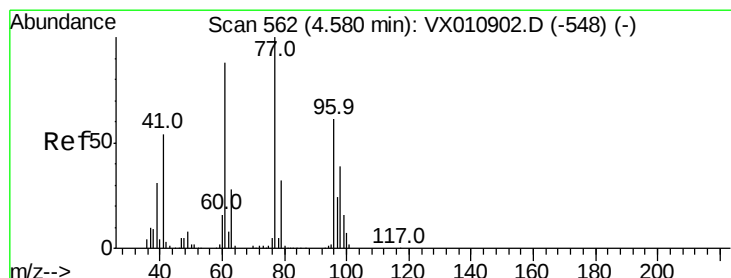
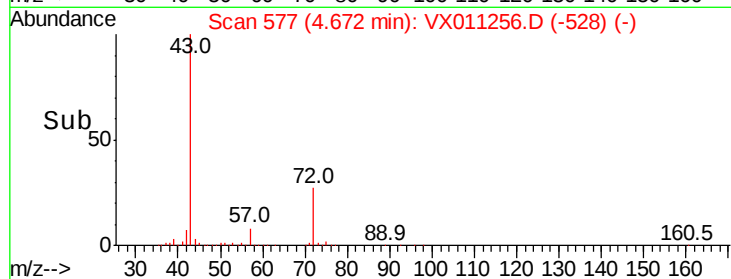
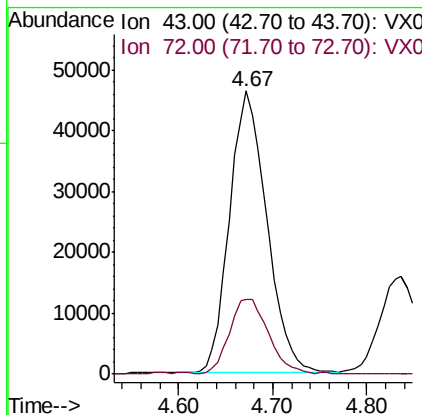
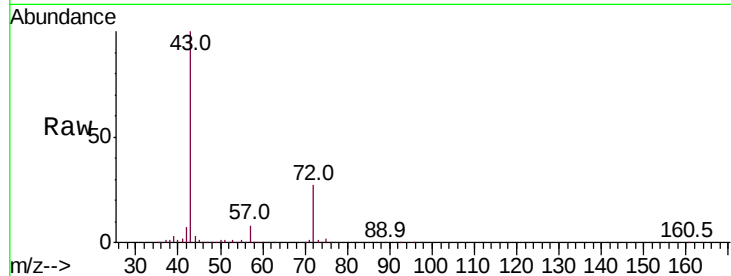
VX0731WBSD01

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#26

2,2-Dichloropropane

Concen: 17.333 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX011256.D

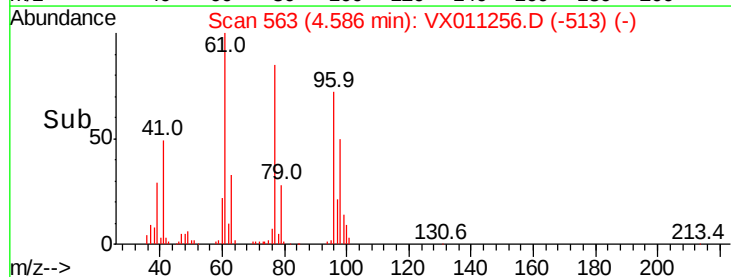
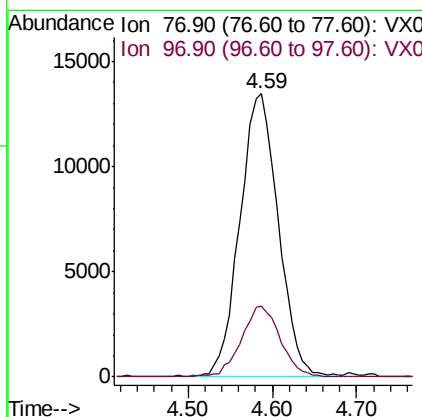
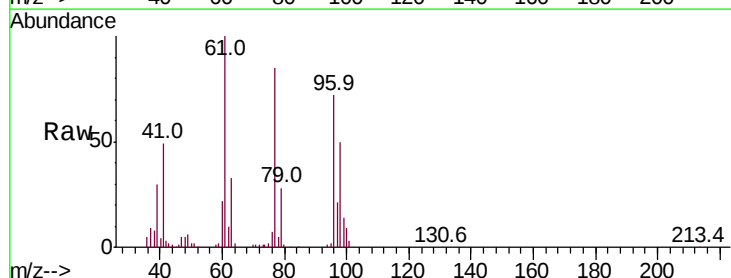
Acq: 31 Jul 2019 20:23

Tgt Ion: 77 Resp: 41736

Ion Ratio Lower Upper

77 100

97 25.2 12.6 37.6





#27

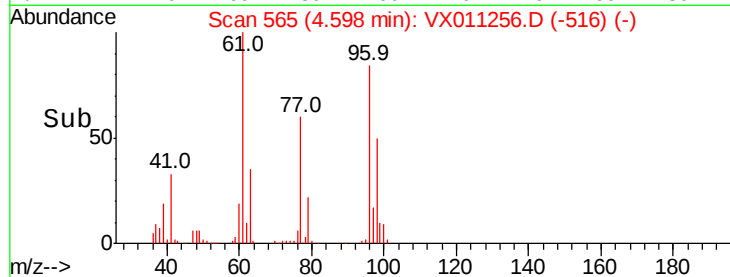
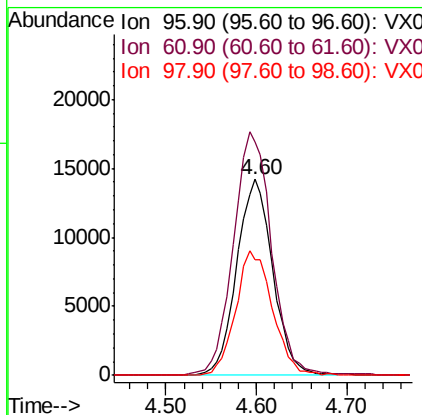
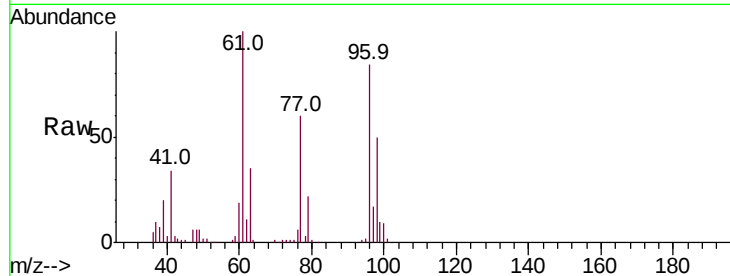
cis-1,2-Dichloroethene
Concen: 19.388 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39244		
61	131.9	0.0	269.0	
98	64.8	0.0	131.4	

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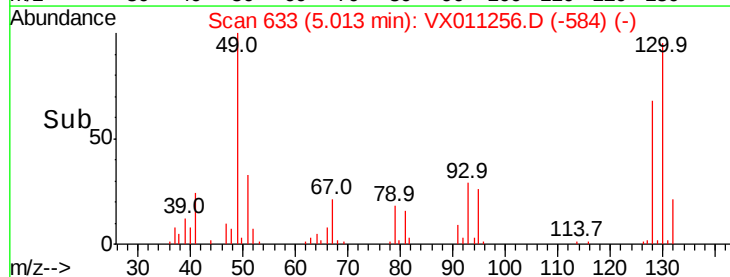
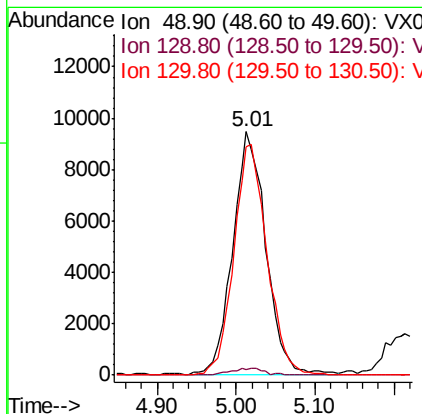
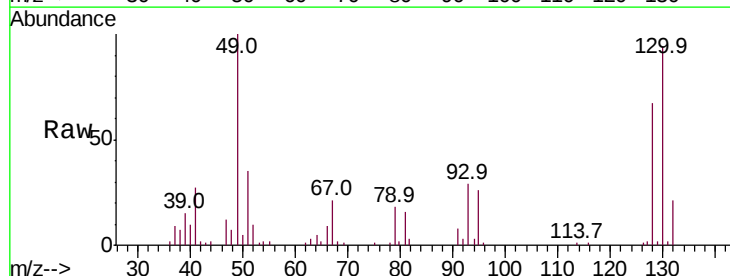
MMdadoda
8/1/2019 11:20:05 AM

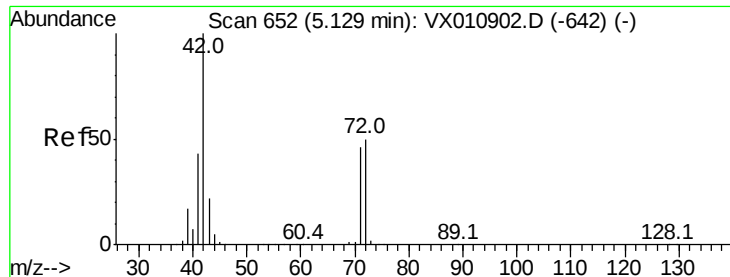


#28

Bromochloromethane
Concen: 20.102 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27779		
129	2.8	0.0	5.2	
130	94.4	76.9	115.3	





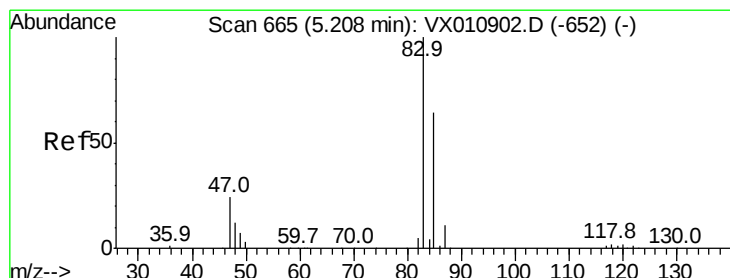
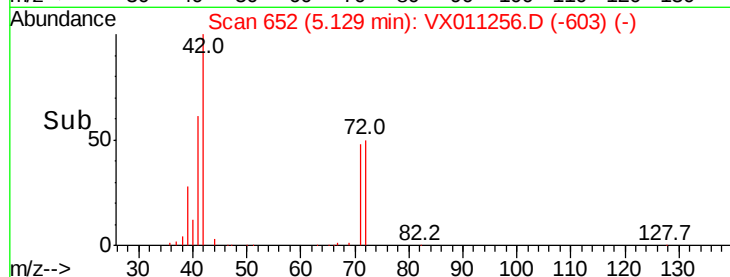
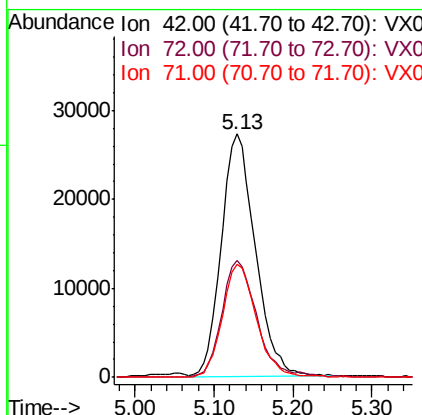
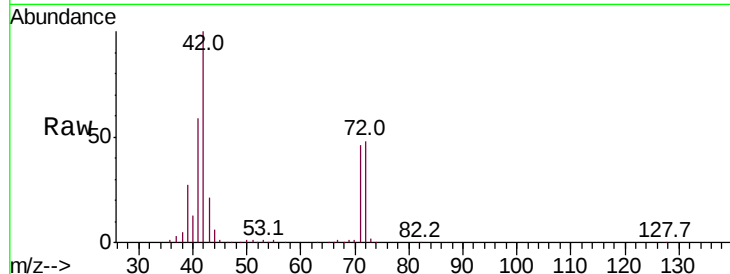
#29
Tetrahydrofuran
Concen: 101.151 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.8	59.8
71	46.8	37.0	55.4

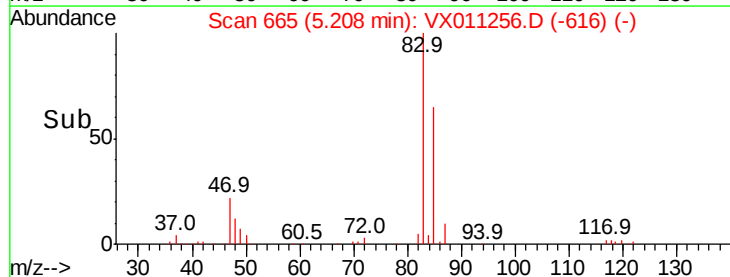
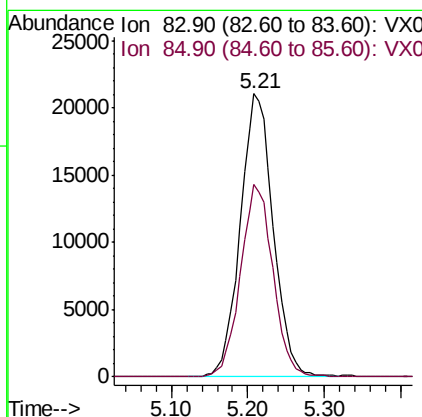
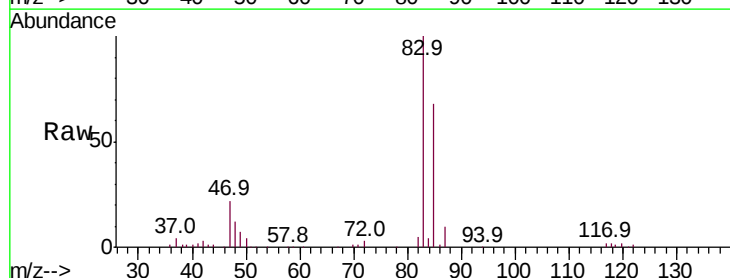
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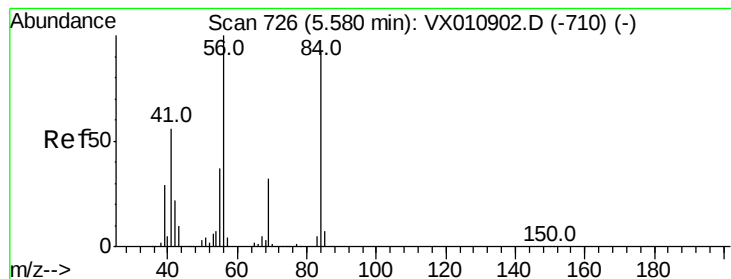
MMdadoda
8/1/2019 11:20:05 AM



#30
Chloroform
Concen: 19.835 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.4	77.0





#31

Cyclohexane

Concen: 17.670 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion: 56 Resp: 47231

Ion Ratio Lower Upper

56 100

69 28.8 25.8 38.8

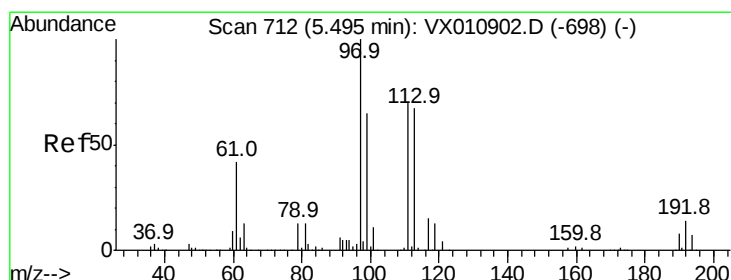
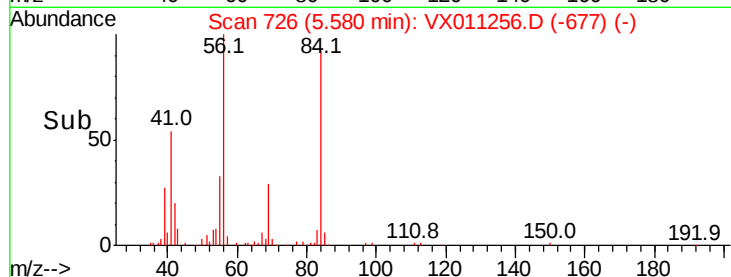
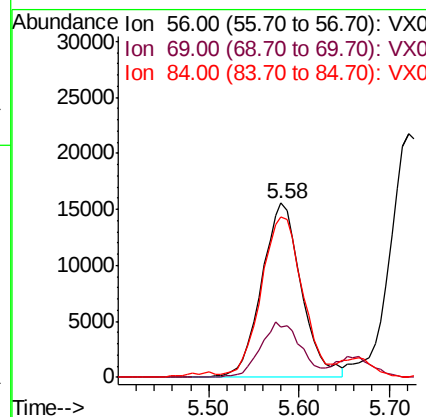
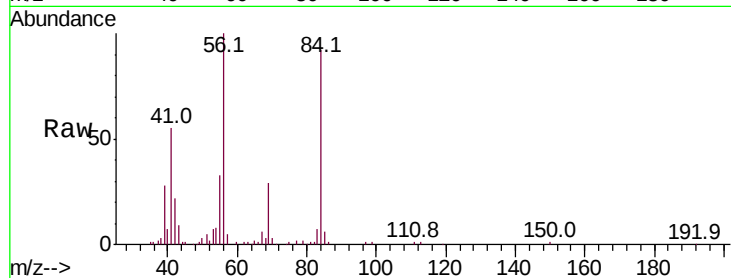
84 89.9 73.8 110.6

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#32

1,1,1-Trichloroethane

Concen: 19.523 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

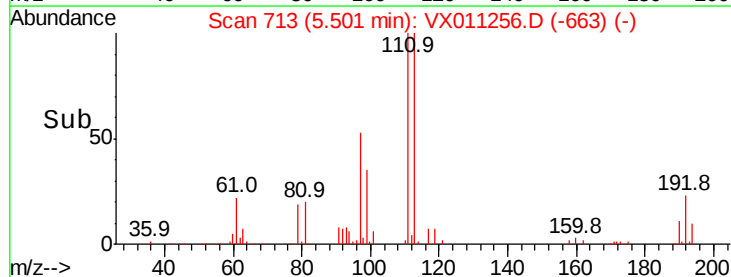
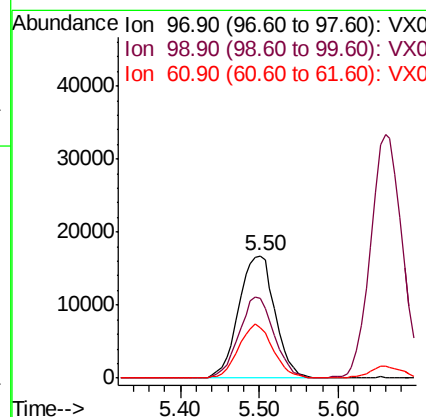
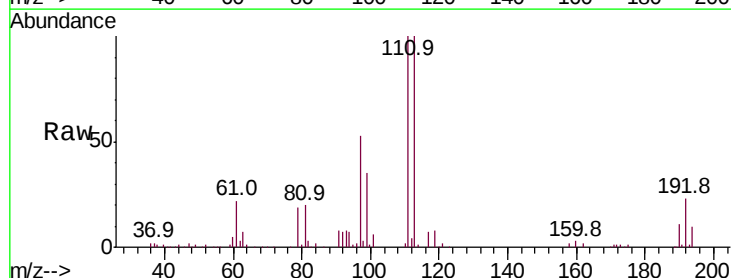
Tgt Ion: 97 Resp: 53538

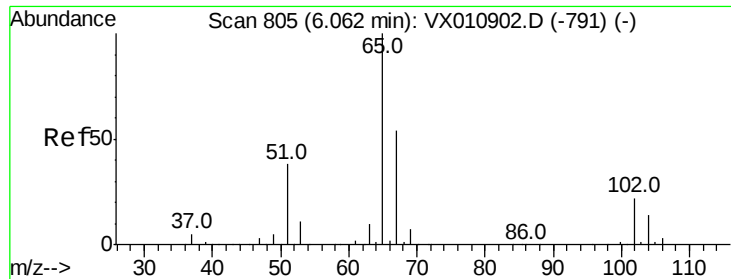
Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

61 42.0 33.0 49.6





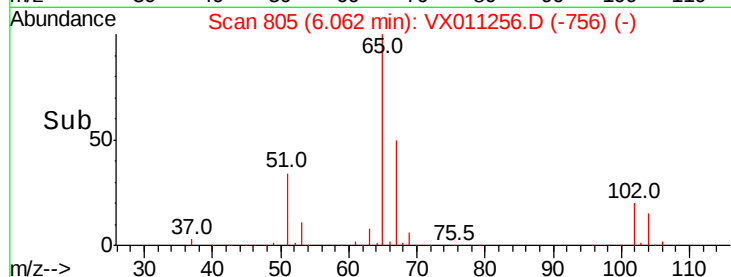
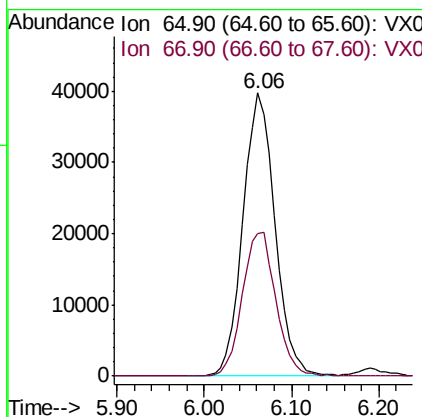
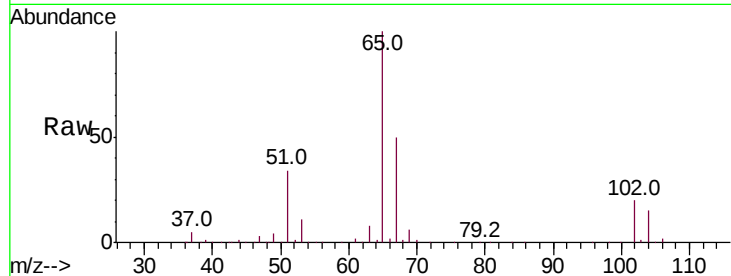
#33
 1,2-Dichloroethane-d4
 Concen: 51.553 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.8

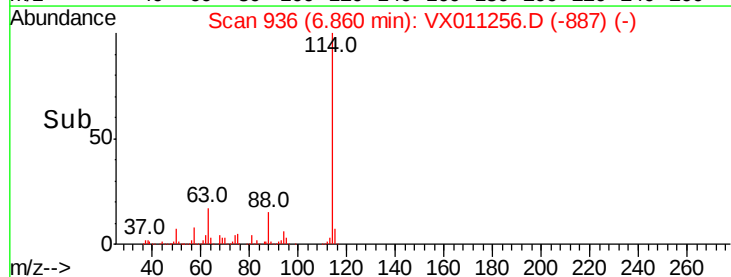
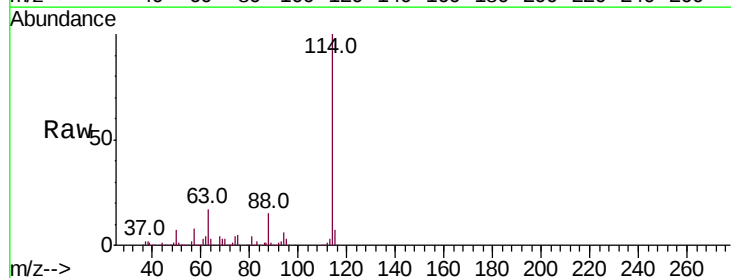
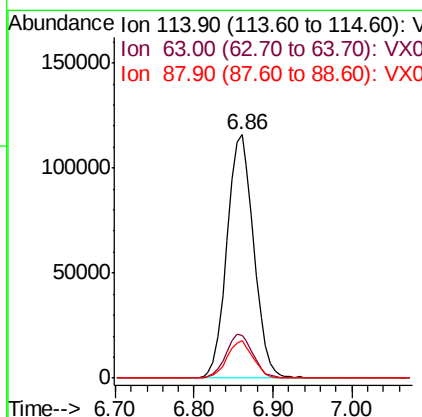
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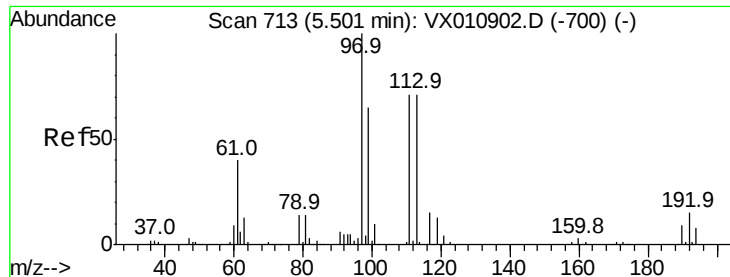
MMDadoda
 8/1/2019 11:20:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.6
88	15.3	0.0	29.8





#35

Dibromofluoromethane

Concen: 51.910 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampled :

VX0731WBSD01

Tot Ion:113 Resp: 89995

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

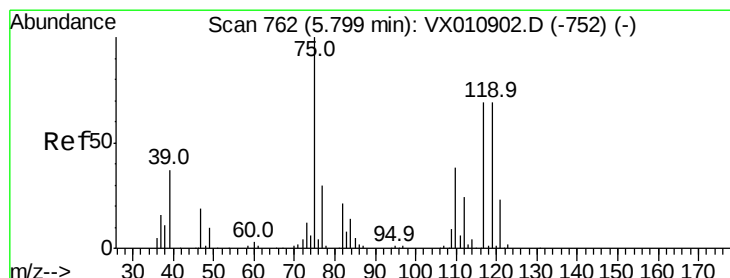
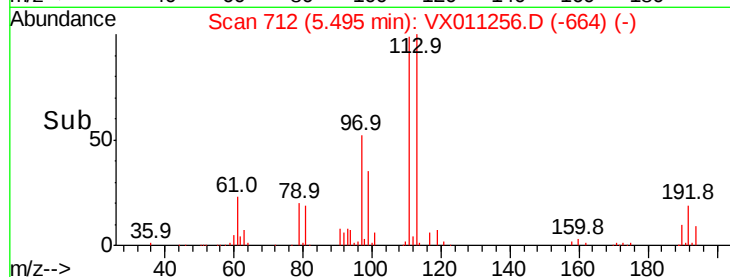
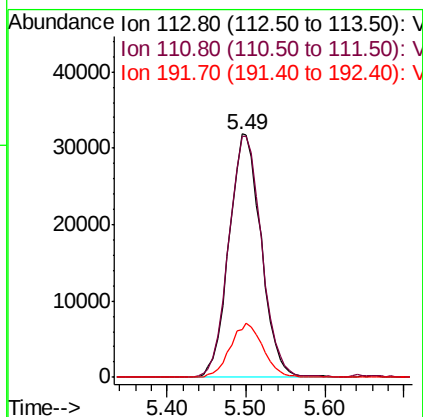
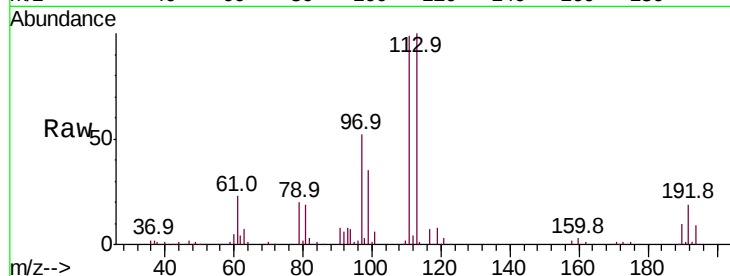
192 22.6 17.4 26.2

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8/1/2019 11:20:05 AM



#36

1,1-Dichloropropene

Concen: 19.093 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

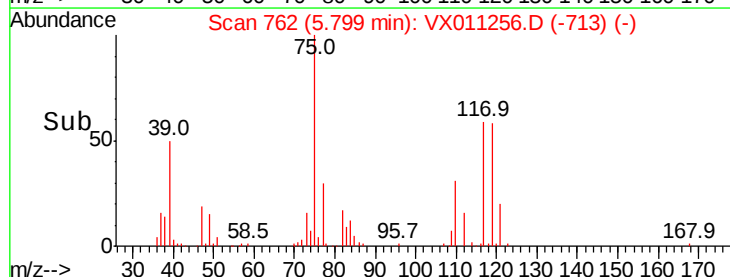
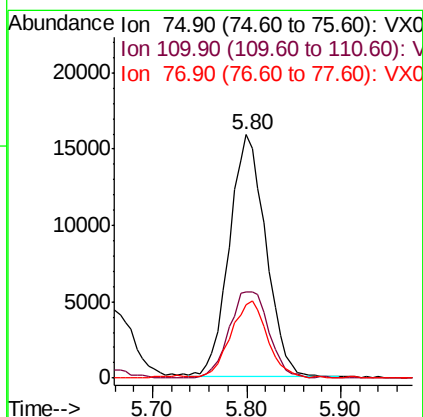
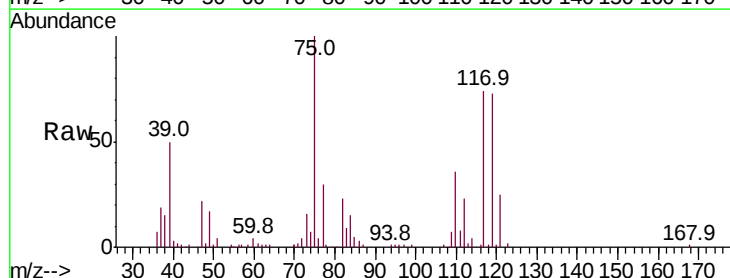
Tgt Ion: 75 Resp: 42837

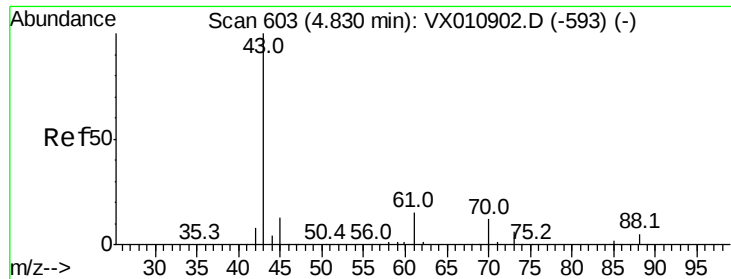
Ion Ratio Lower Upper

75 100

110 38.6 19.9 59.7

77 32.3 25.0 37.4





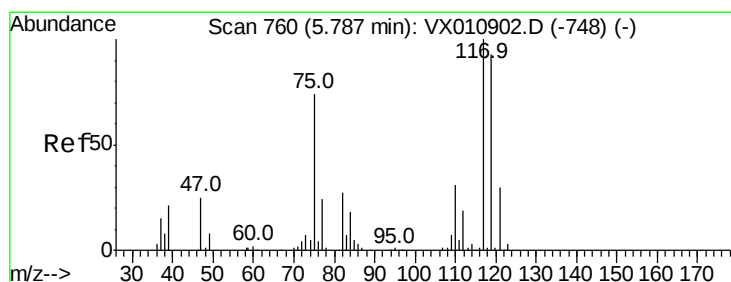
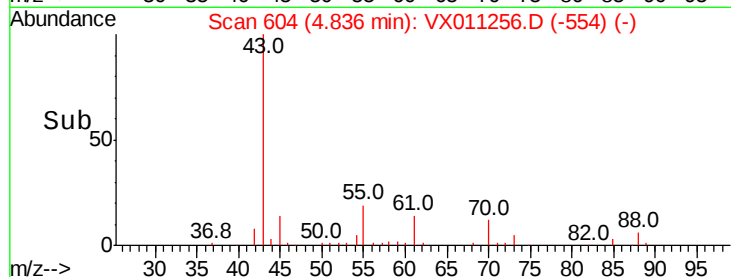
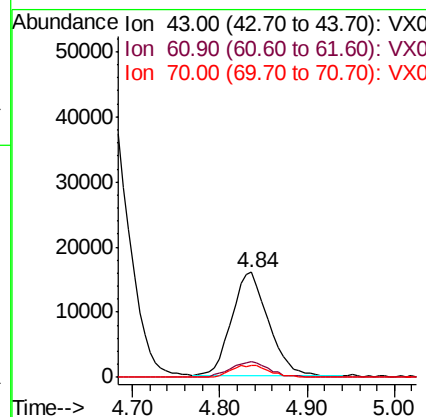
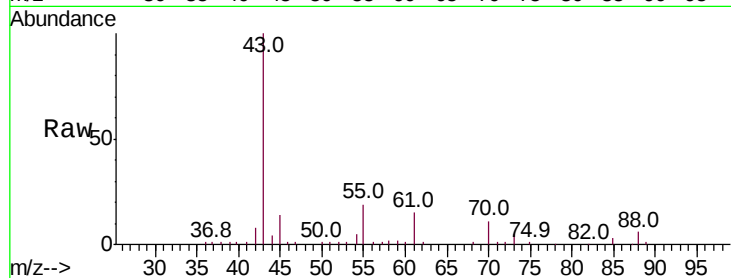
#37
Ethyl Acetate
Concen: 20.353 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleID :
VX0731WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.6	17.4
70	12.4	9.1	13.7

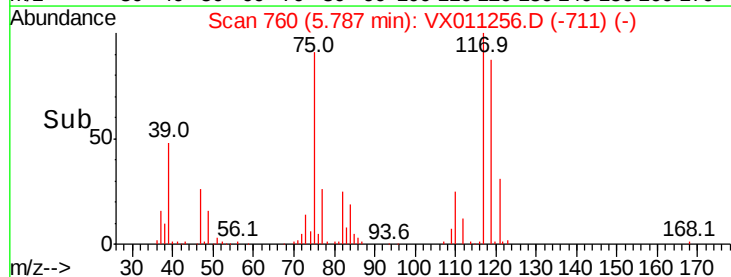
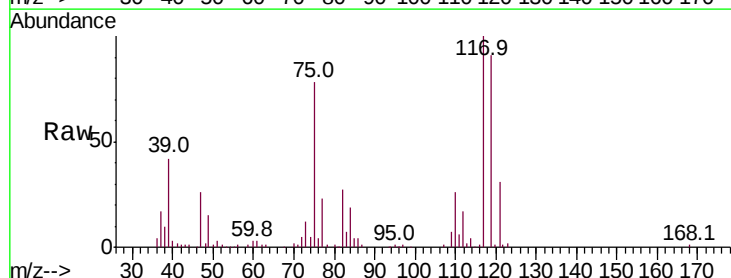
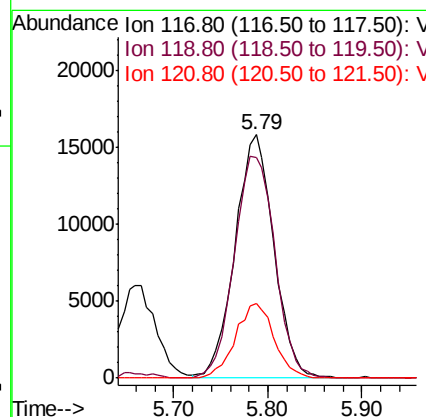
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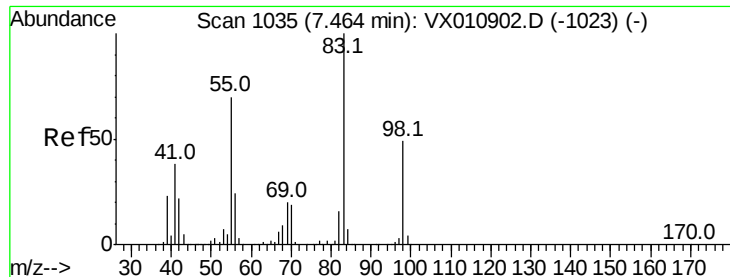
MMdadoda
8/1/2019 11:20:05 AM



#38
Carbon Tetrachloride
Concen: 19.413 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	74.2	111.2
121	30.6	24.2	36.2





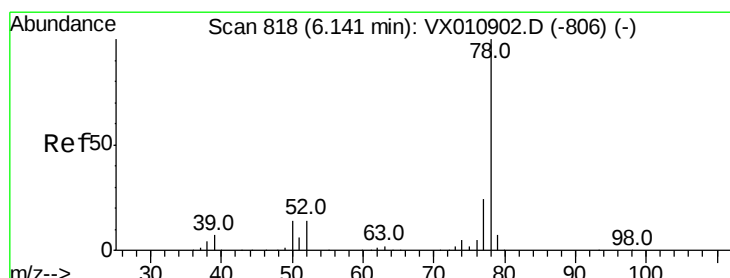
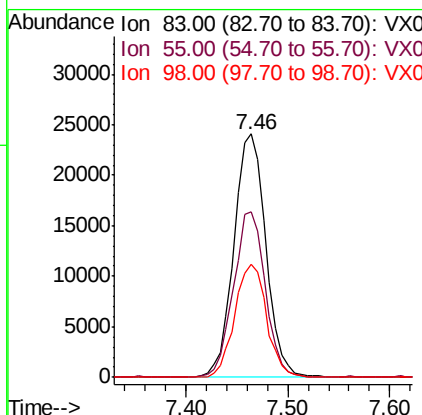
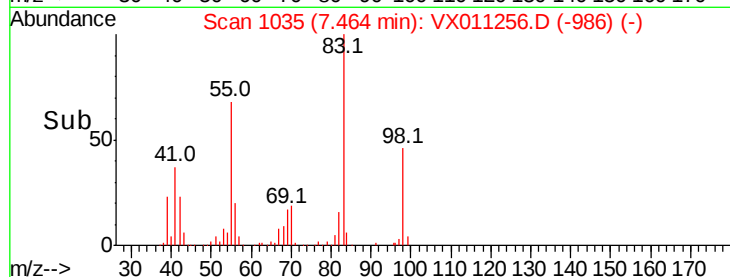
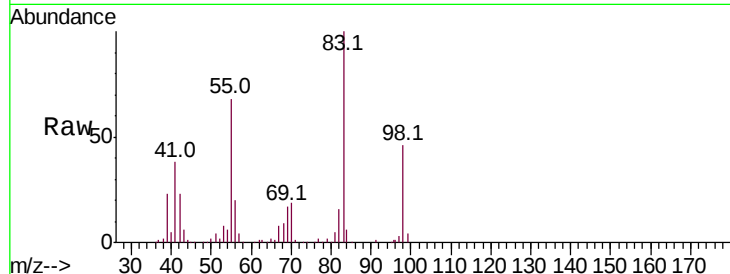
#39
Methvlcvclohexane
Concen: 17.940 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.8	56.2	84.4
98	46.4	39.0	58.4

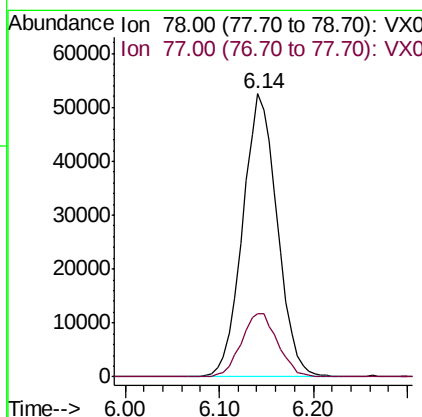
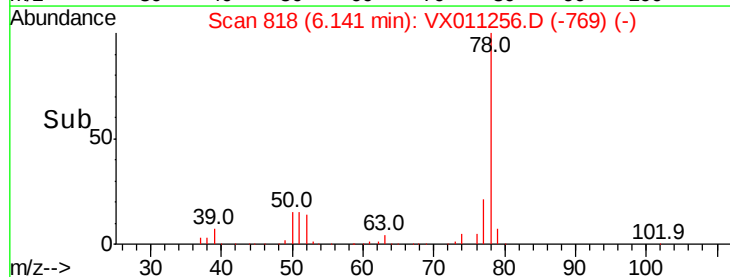
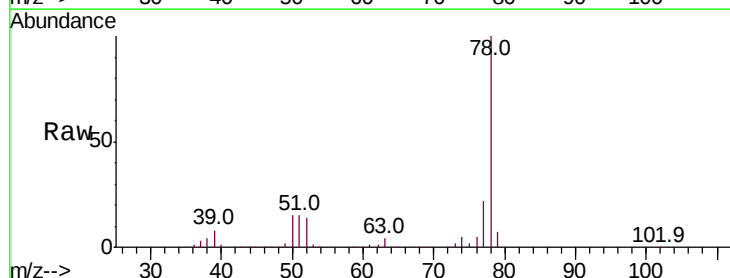
Manual Integrations
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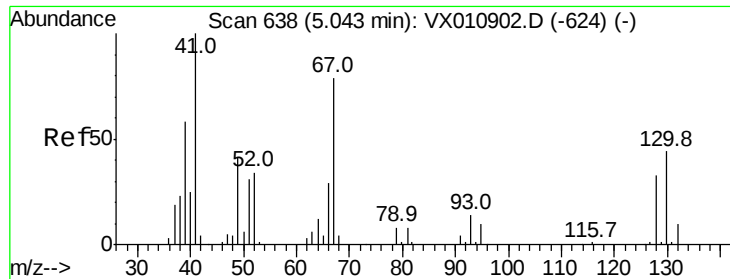
MMdadoda
8/1/2019 11:20:05 AM



#40
Benzene
Concen: 19.598 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.0	28.6





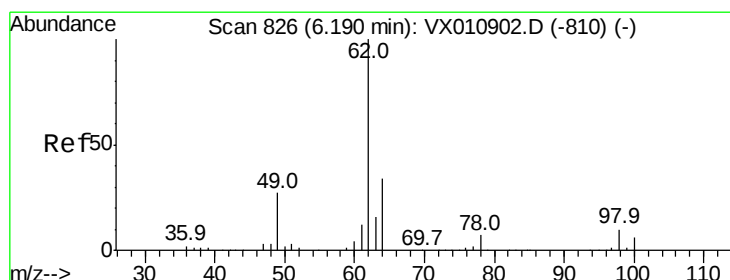
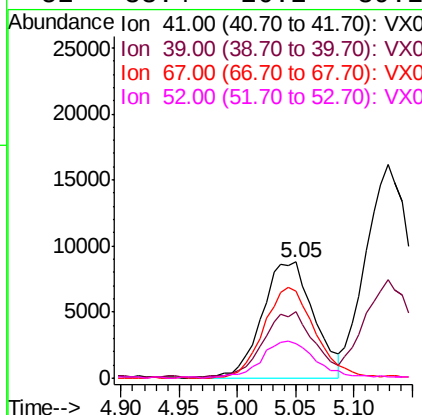
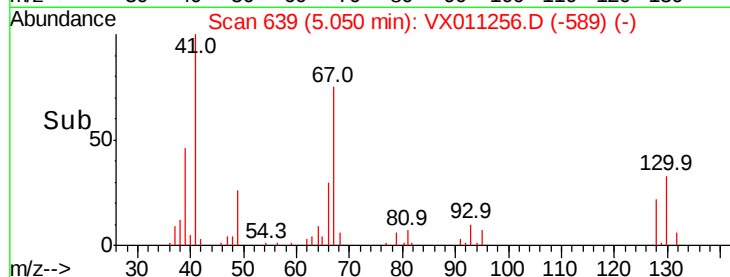
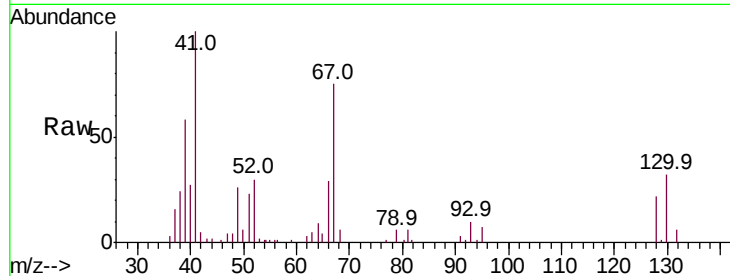
#41
Methacrylonitrile
Concen: 20.833 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleID :
VX0731WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	45.4	68.2	
67	76.9	65.9	98.9	
52	33.4	26.2	39.2	

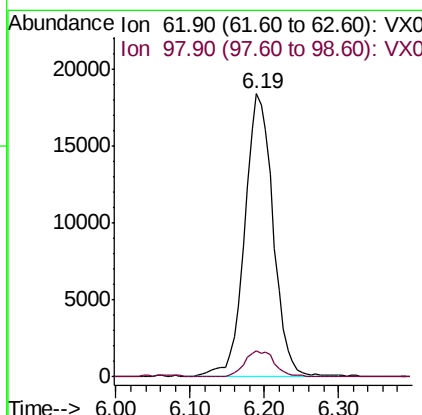
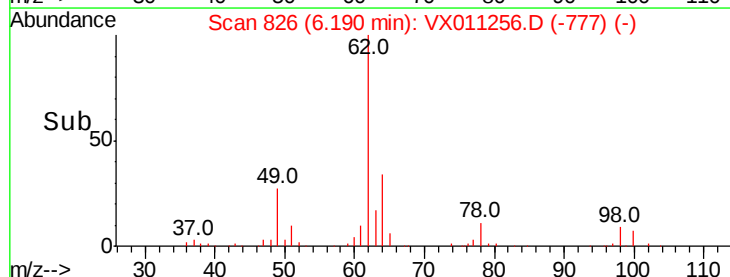
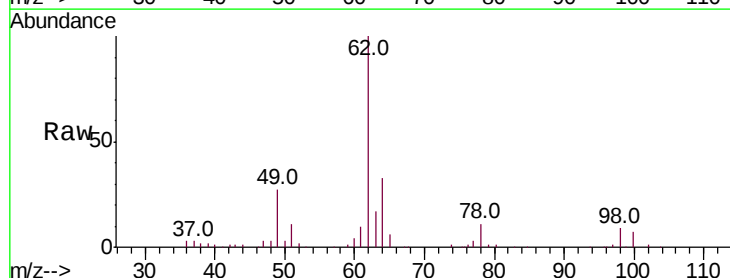
Manual Integrations
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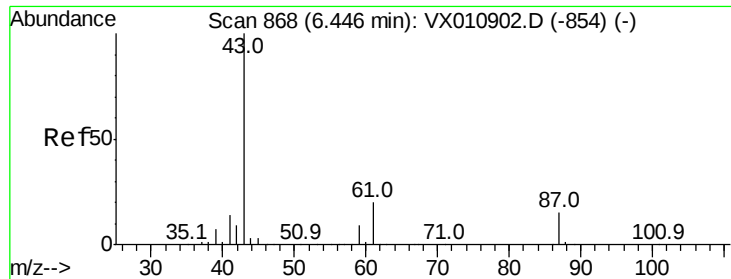
MMDadoda
8/1/2019 11:20:05 AM



#42
1,2-Dichloroethane
Concen: 20.756 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.0	





#43

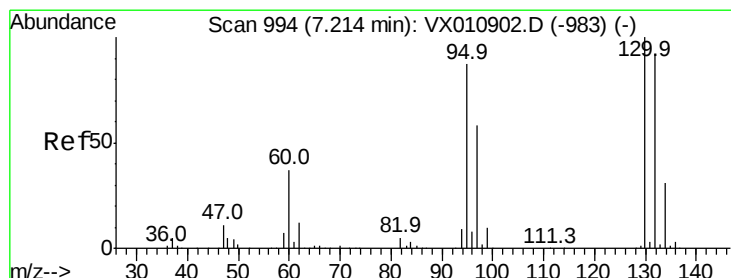
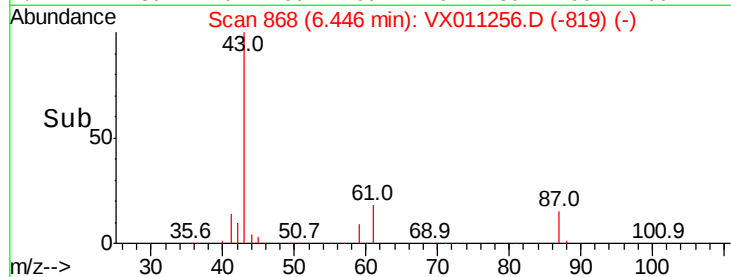
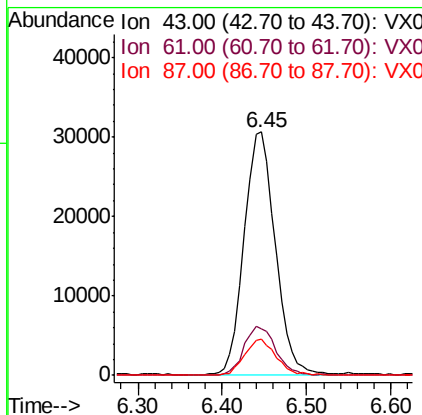
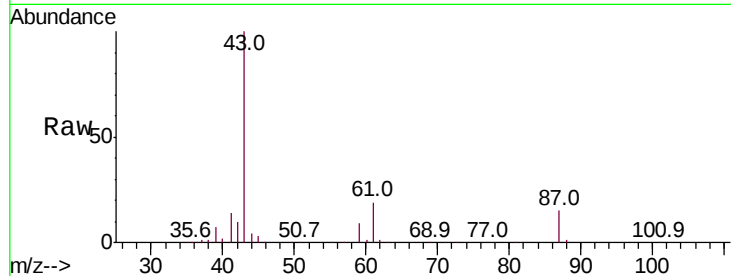
Isopropyl Acetate
 Concen: 20.238 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.1	25.7
87	15.1	12.0	18.0

Manual Integrations
 APPROVED

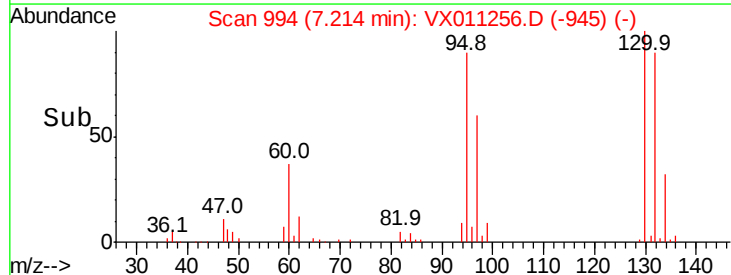
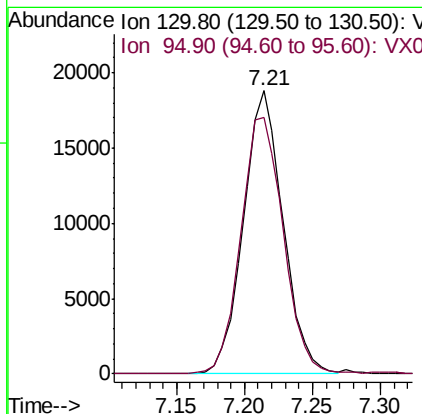
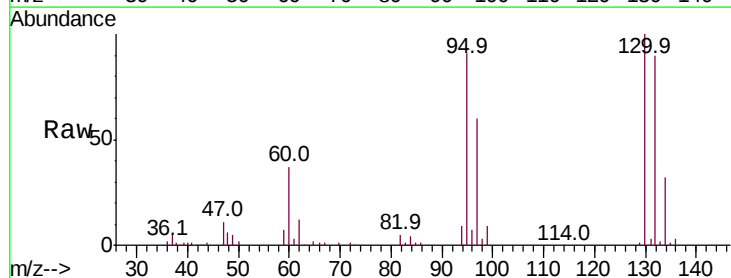
MMDadoda
 8/1/2019 11:20:05 AM

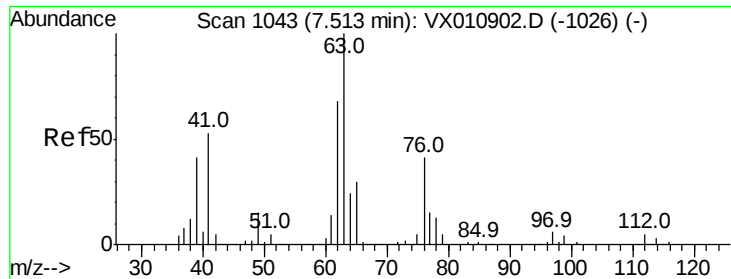


#44

Trichloroethene
 Concen: 18.854 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	174.8





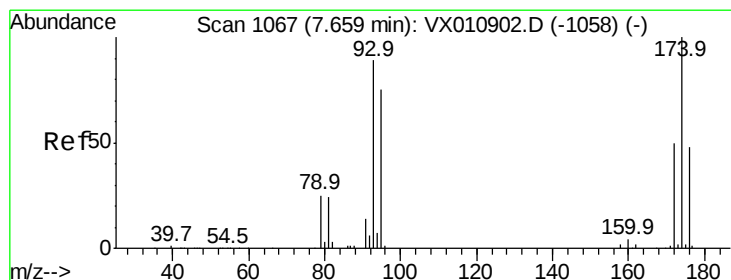
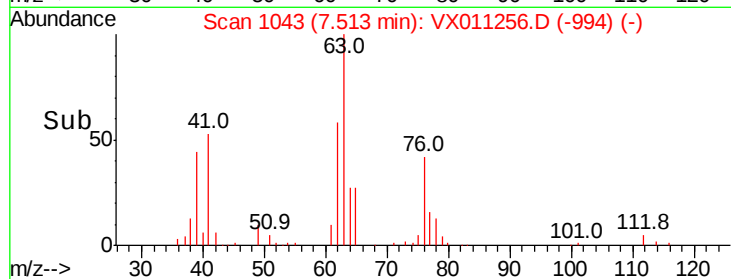
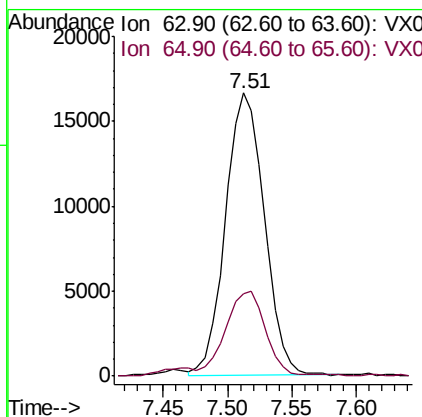
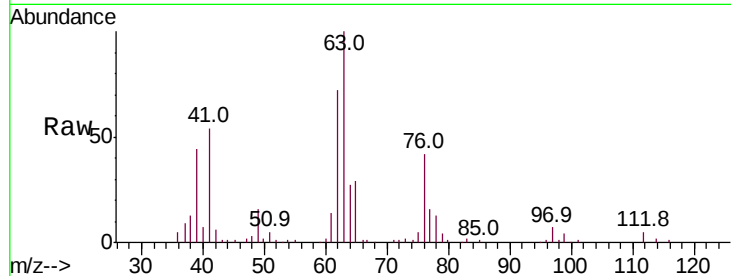
#45
 1,2-Dichloropropane
 Concen: 19.976 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Instrument :
 MSVOA_X
 ClientSampled :
 VX0731WBSD01

Tot Ion: 63 Resp: 34942
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.4 36.6

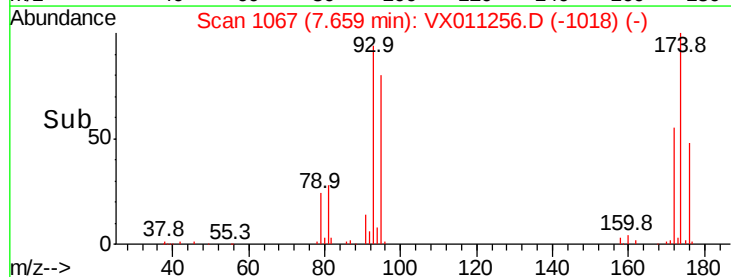
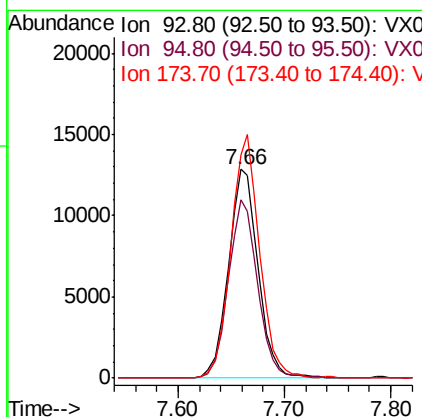
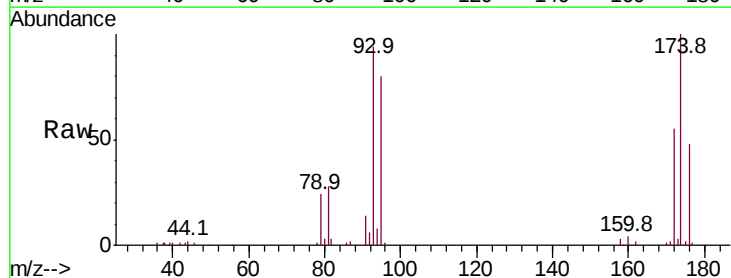
Manual Integrations
 APPROVED

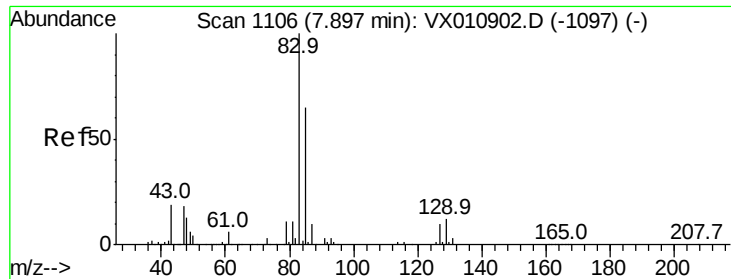
MMdadoda
 8/1/2019 11:20:05 AM



#46
 Dibromomethane
 Concen: 20.044 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Tgt Ion: 93 Resp: 25053
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.2 100.8
 174 112.9 90.6 135.8





#47

Bromodichloromethane

Concen: 20.110 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

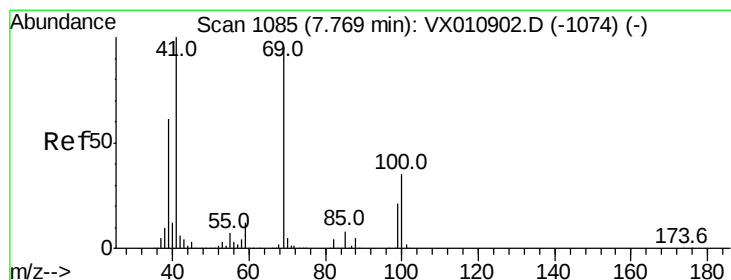
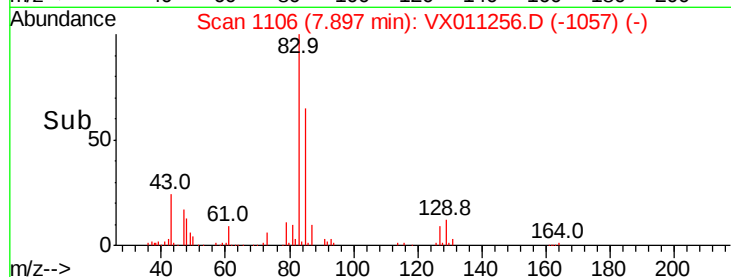
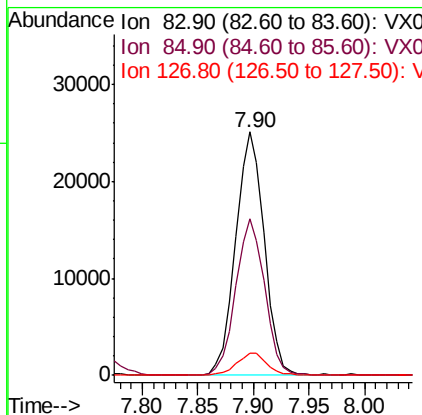
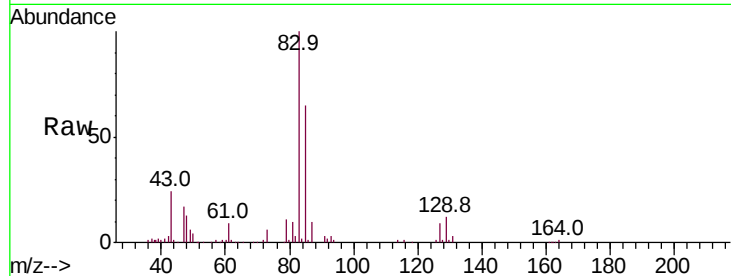
ClientSampleId :

VX0731WBSD01

Tot Ion:	83	Resp:	44744
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.5	78.7
127	8.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.929 ug/l

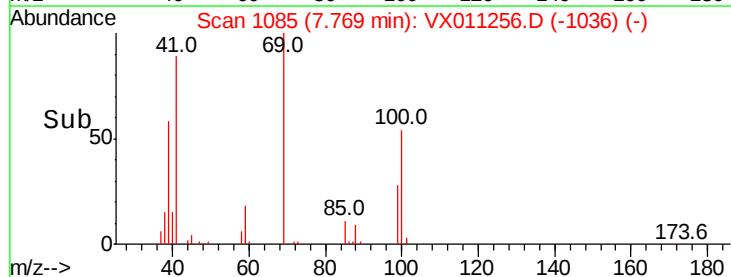
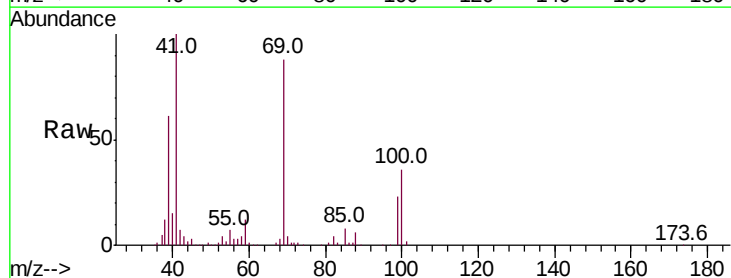
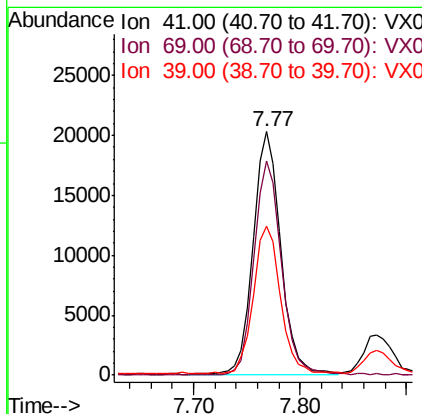
RT: 7.77 min Scan# 1085

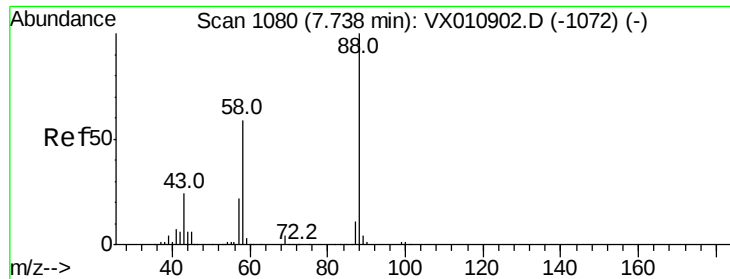
Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Tgt Ion:	41	Resp:	36675
Ion	Ratio	Lower	Upper
41	100		
69	88.5	74.4	111.6
39	60.4	48.9	73.3





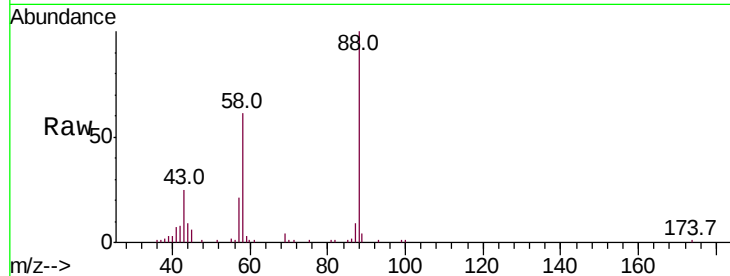
#49
1,4-Dioxane
Concen: 395.426 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	22.9	34.3
58	62.6	49.8	74.8

Manual Integrations
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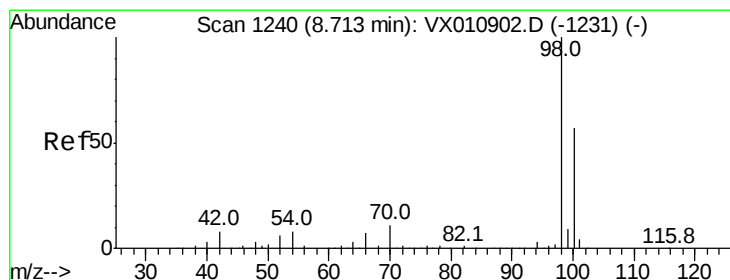
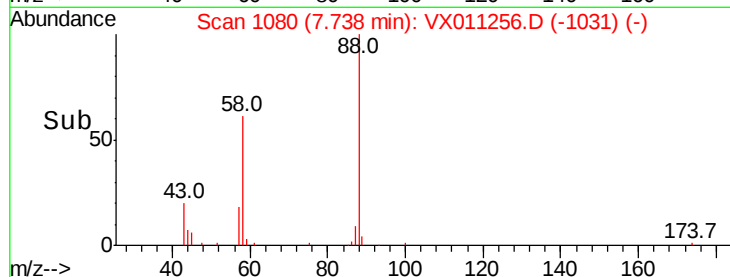
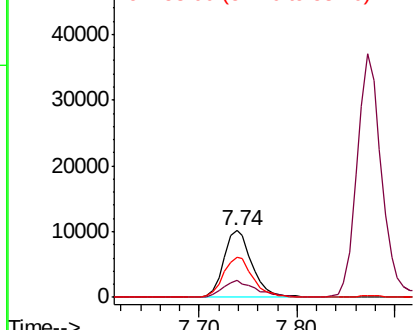


Abundance

Ion 88.00 (87.70 to 88.70): VX0

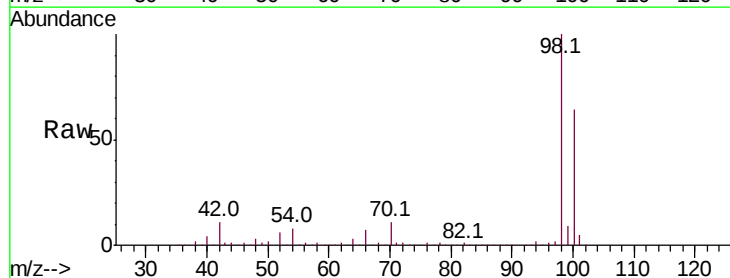
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.590 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

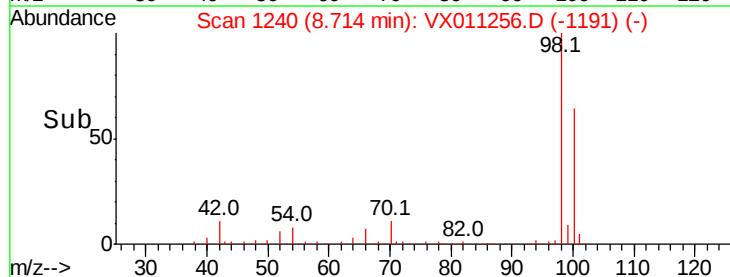
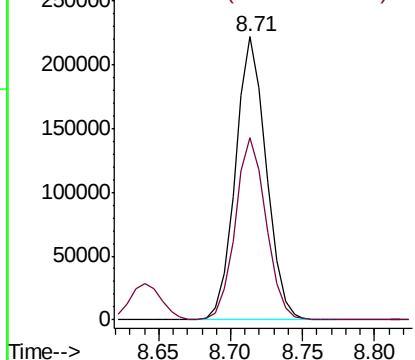
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.6	75.8

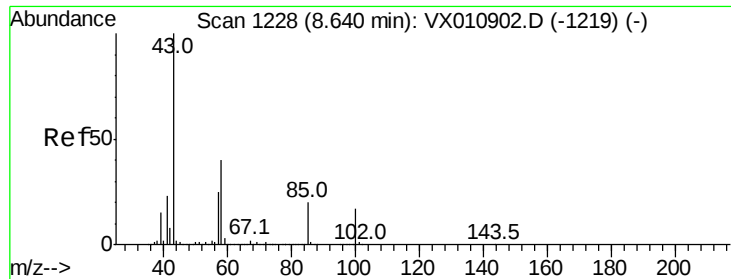


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 106.197 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion: 43 Resp: 260052

Ion Ratio Lower Upper

43 100

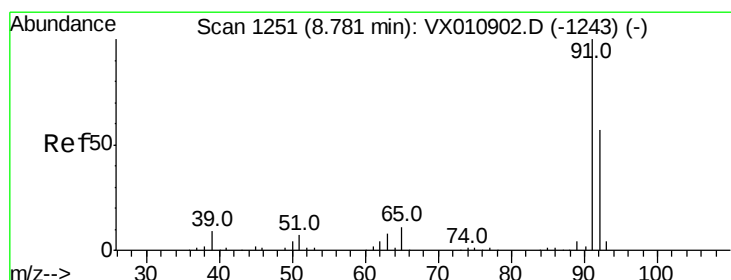
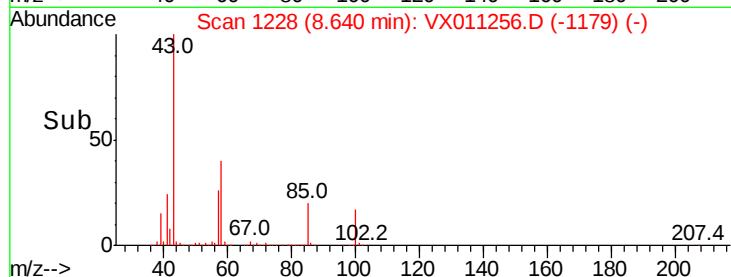
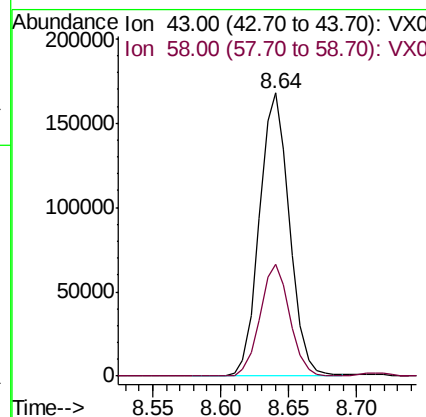
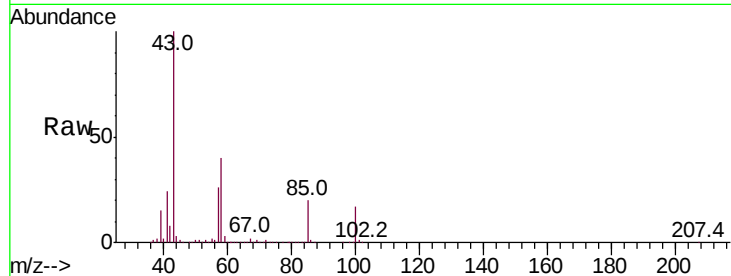
58 39.1 32.2 48.4

Manual Integrations

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#52

Toluene

Concen: 19.432 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011256.D

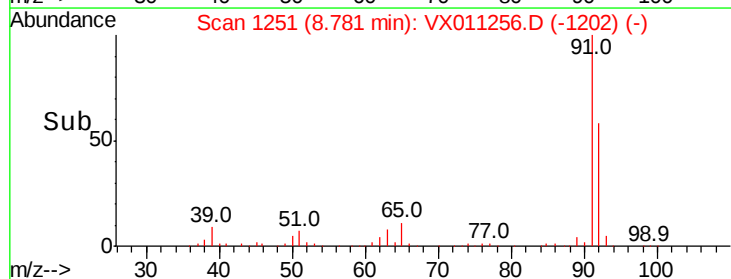
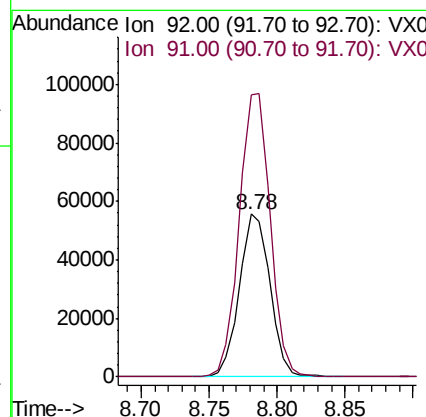
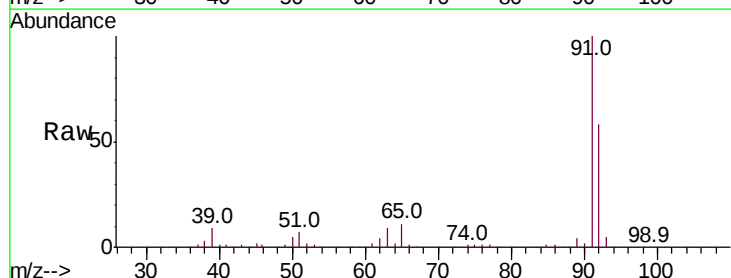
Acq: 31 Jul 2019 20:23

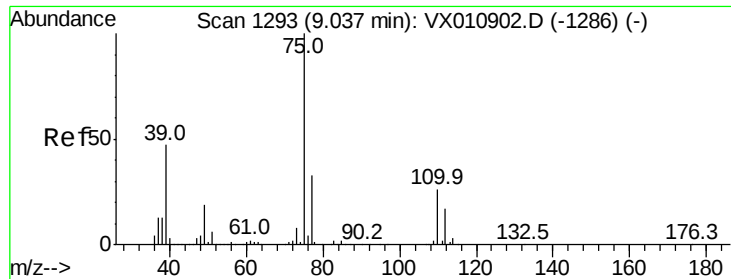
Tgt Ion: 92 Resp: 87731

Ion Ratio Lower Upper

92 100

91 175.7 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 18.798 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Tot Ion: 75 Resp: 44972

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

Instrument :

MSVOA_X

ClientSampled :

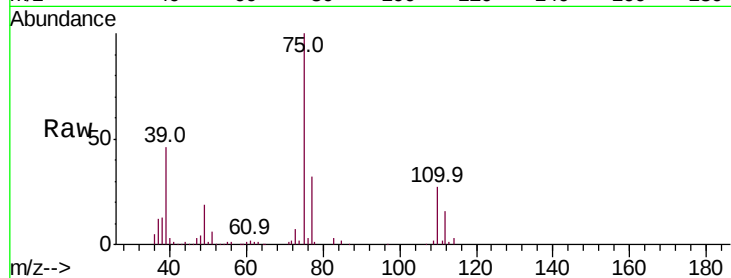
VX0731WBSD01

Manual Integrations

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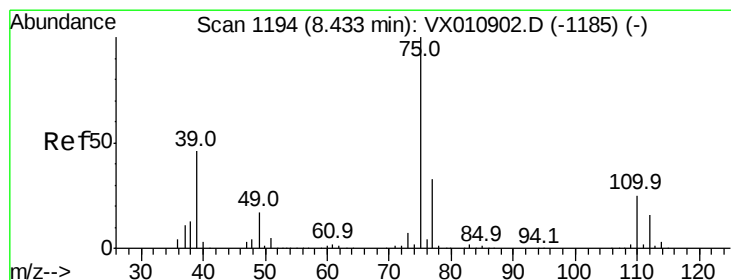
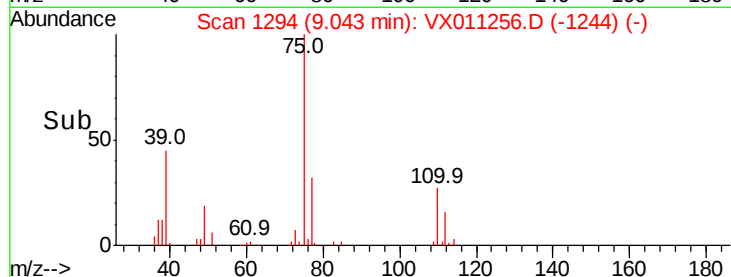
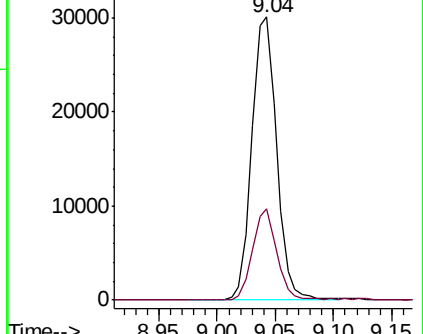
MMdadoda

8/1/2019 11:20:05 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.096 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

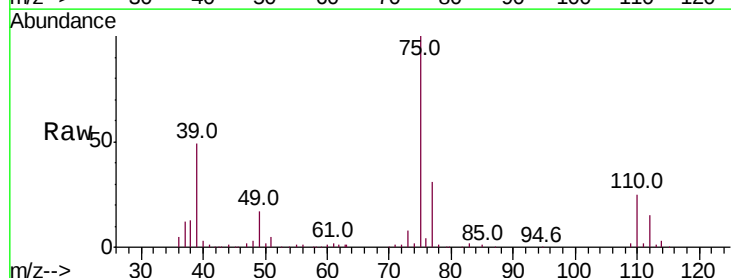
Tgt Ion: 75 Resp: 50837

Ion Ratio Lower Upper

75 100

77 31.3 26.1 39.1

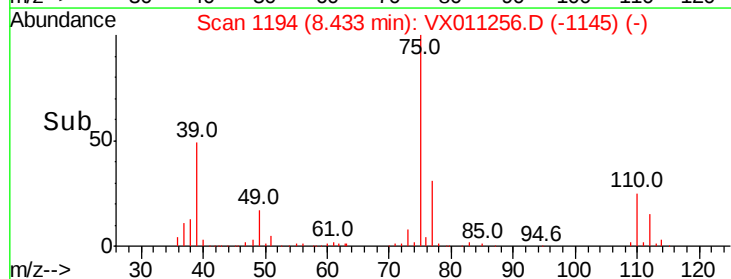
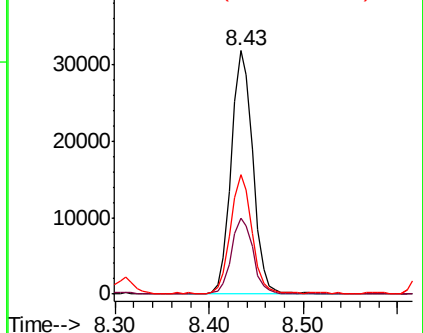
39 48.7 36.6 54.8

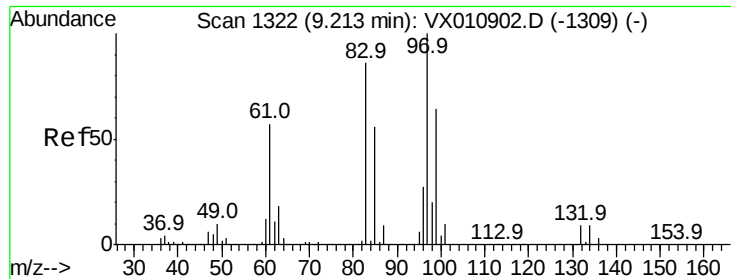


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





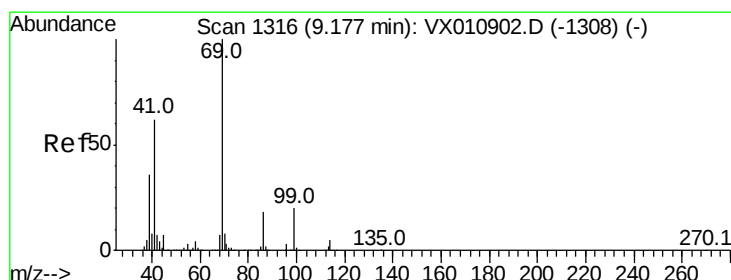
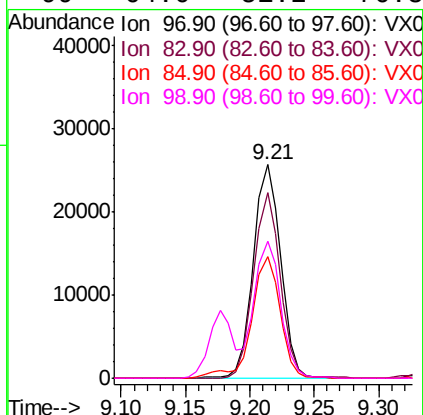
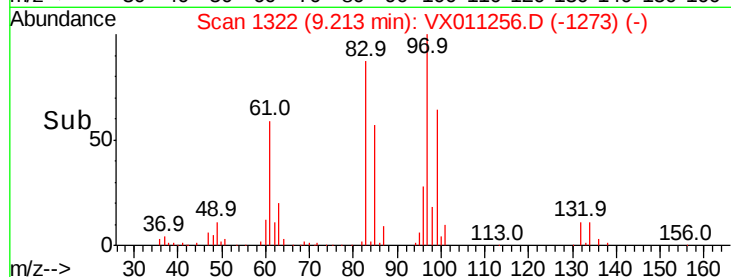
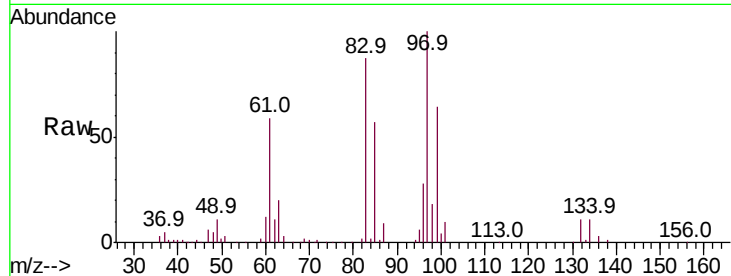
#55
1,1,2-Trichloroethane
Concen: 20.172 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.7	69.2	103.8	
85	56.9	44.6	66.8	
99	64.0	51.2	76.8	

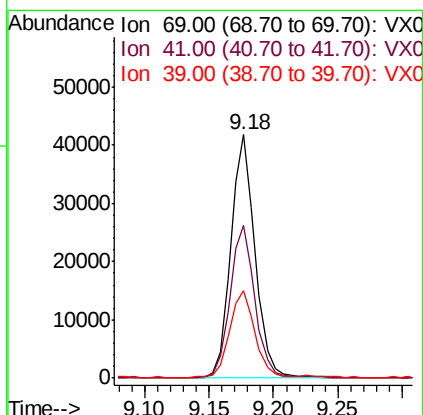
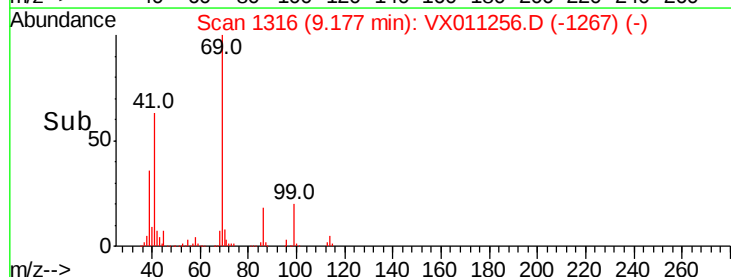
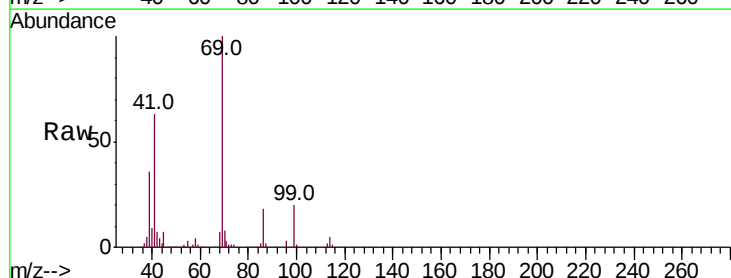
Manual Integrations
APPROVED

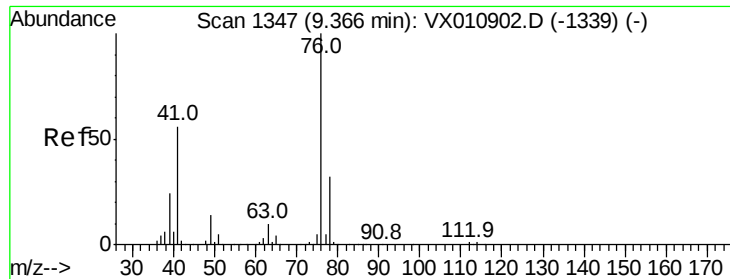
MMdadoda
8/1/2019 11:20:05 AM



#56
Ethyl methacrylate
Concen: 20.175 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	65.1	49.7	74.5	
39	37.4	29.6	44.4	





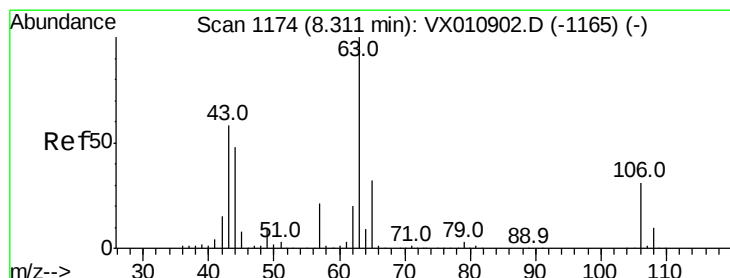
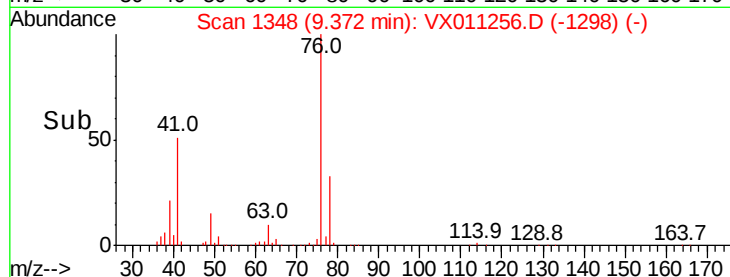
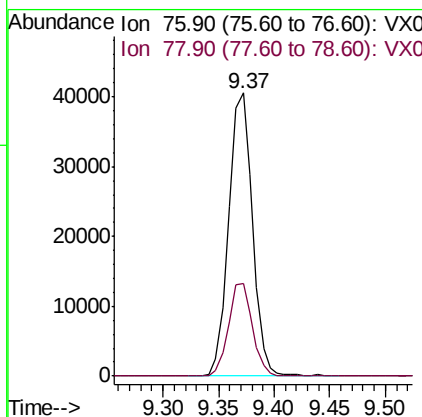
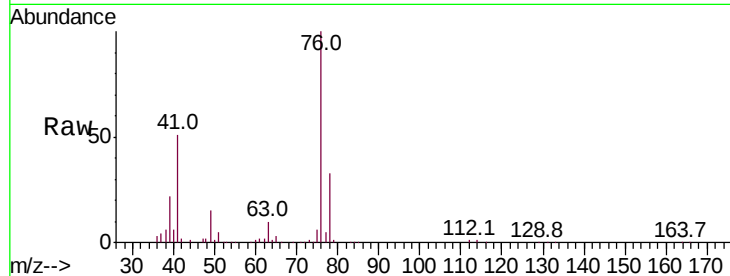
#57
 1,3-Dichloropropane
 Concen: 20.366 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBSD01

Tot Ion: 76 Resp: 60058
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.6 38.4

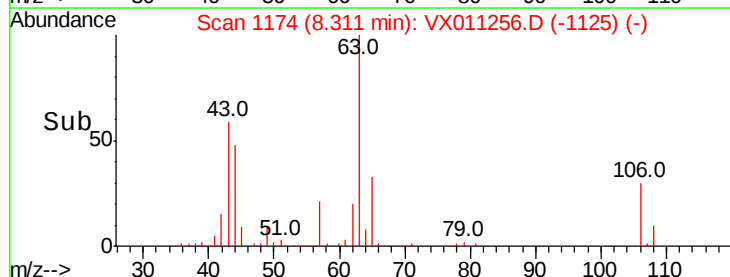
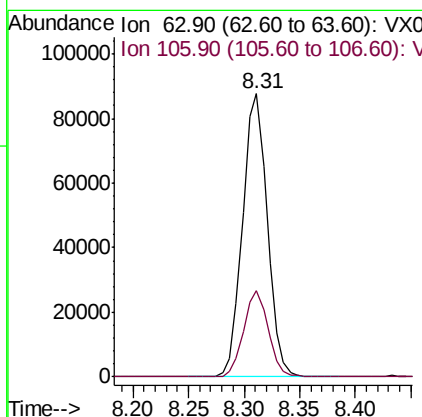
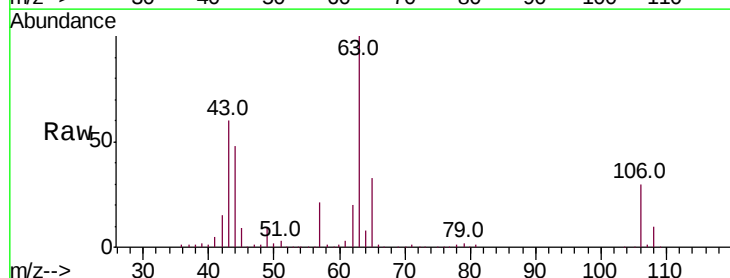
Manual Integrations
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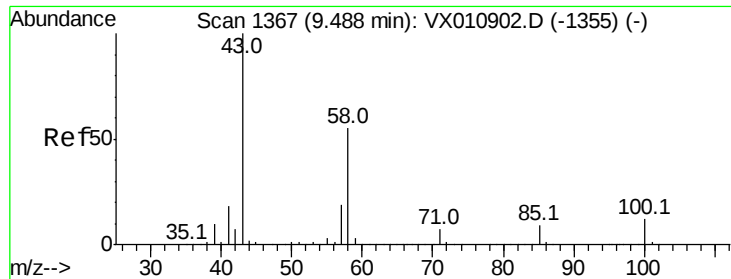
MMDadoda
 8/1/2019 11:20:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.586 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Tgt Ion: 63 Resp: 135757
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.0 36.0





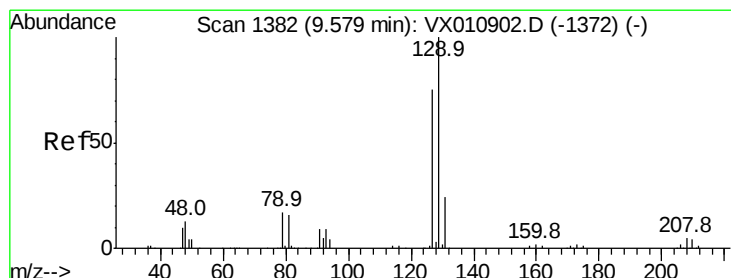
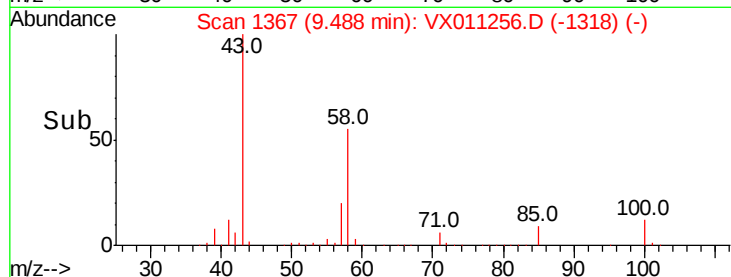
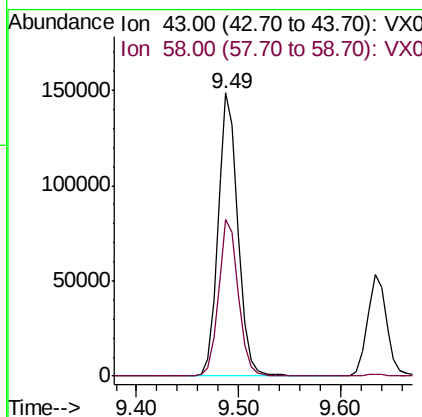
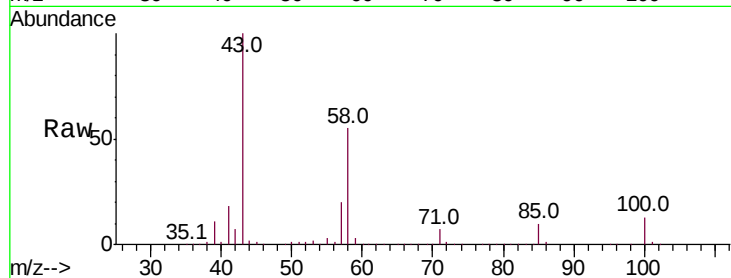
#59
2-Hexanone
Concen: 106.919 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion: 43 Resp: 203073
Ion Ratio Lower Upper
43 100
58 55.2 28.0 83.9

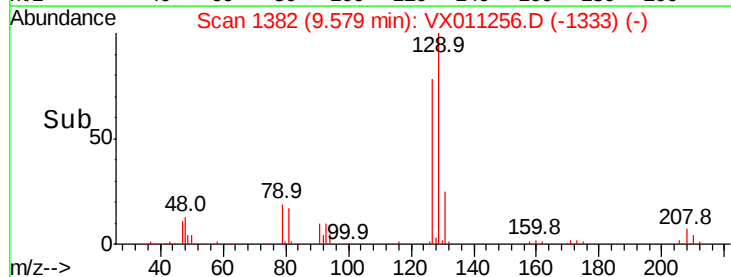
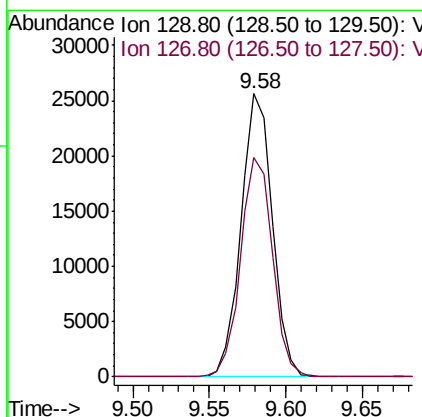
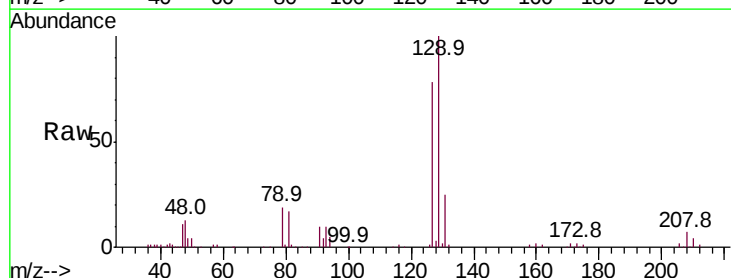
Manual Integrations
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8/1/2019 11:20:05 AM



#60
Dibromochloromethane
Concen: 18.679 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion: 129 Resp: 36394
Ion Ratio Lower Upper
129 100
127 79.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.377 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion:107 Resp: 40201

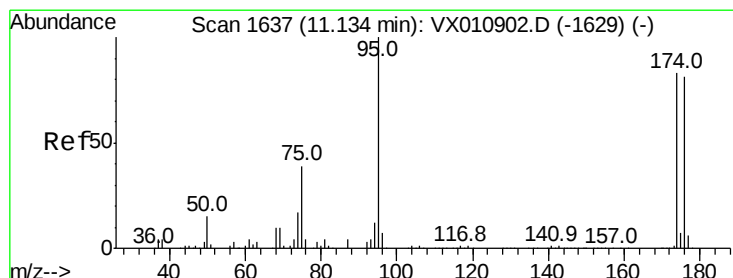
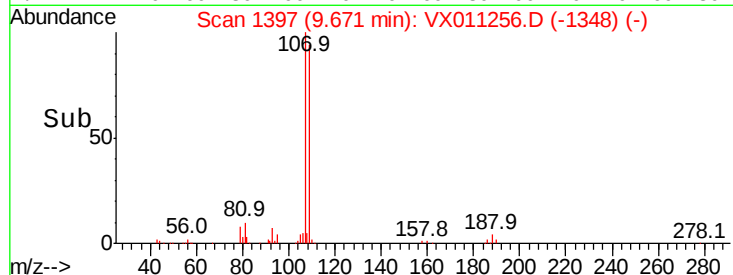
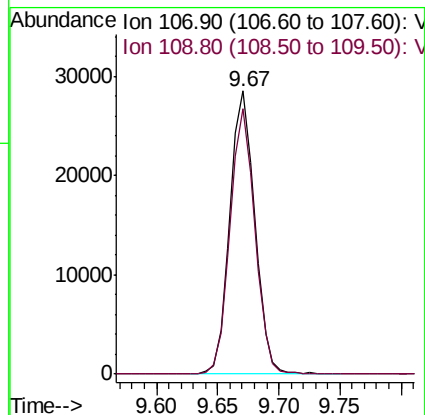
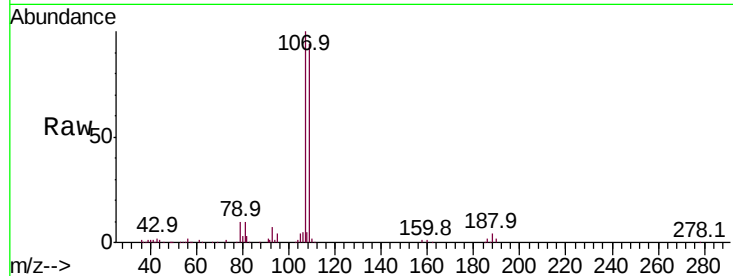
Ion Ratio Lower Upper

107 100

109 93.3 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 51.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

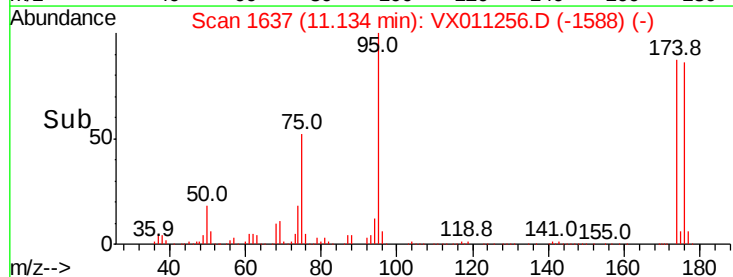
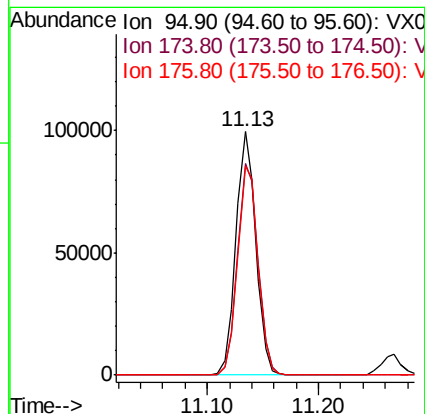
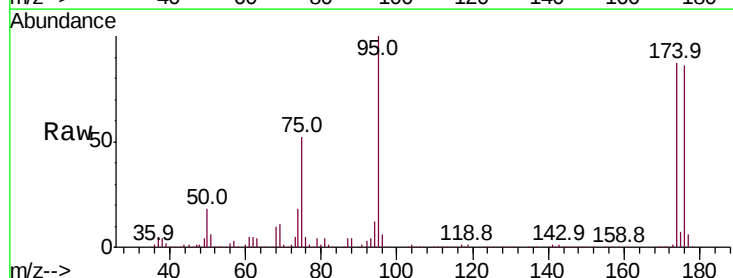
Tgt Ion: 95 Resp: 122763

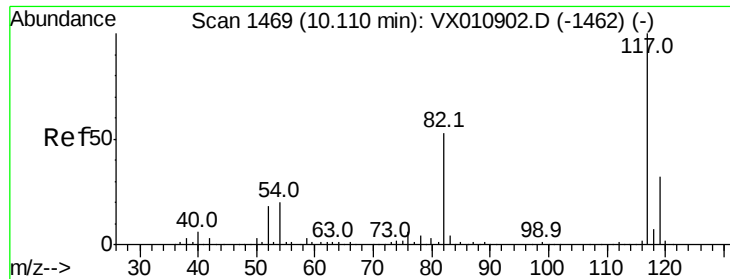
Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.6

176 88.6 0.0 173.8





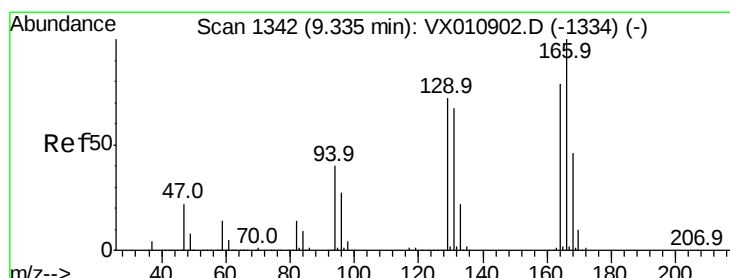
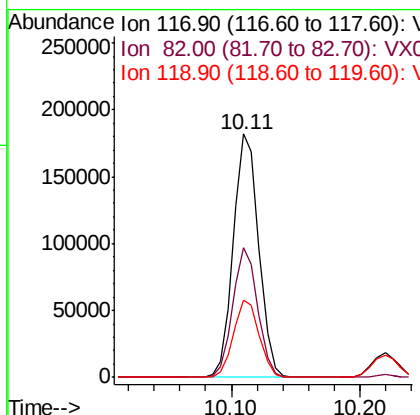
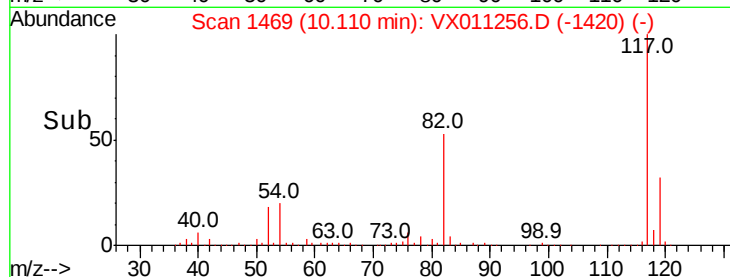
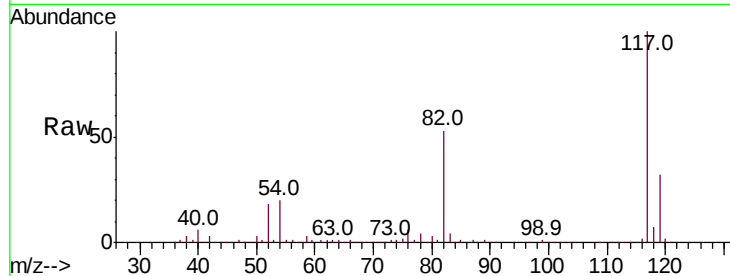
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.6	63.8
119	31.9	25.9	38.9

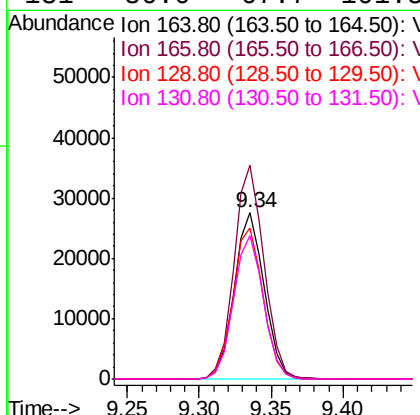
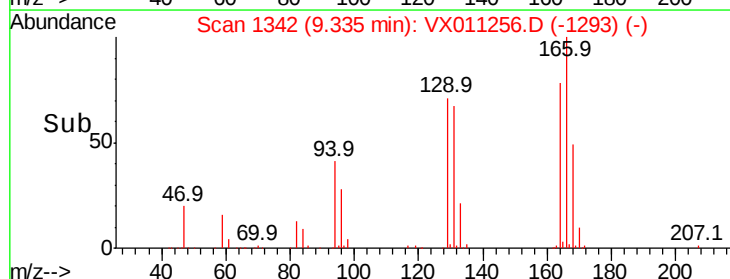
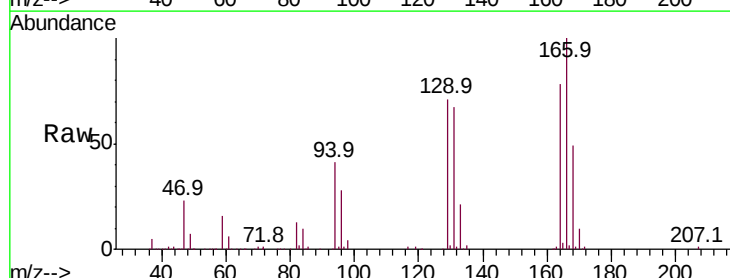
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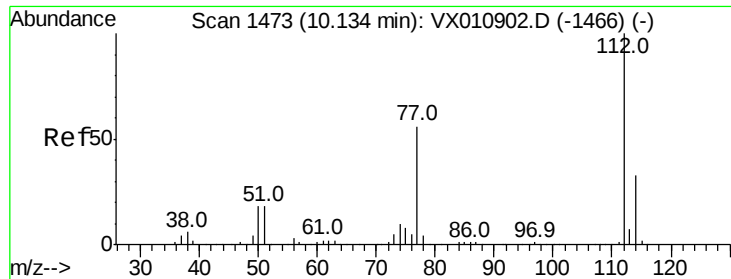
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#64
Tetrachloroethene
Concen: 20.295 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	100.8	151.2
129	91.0	72.6	109.0
131	86.0	67.7	101.5





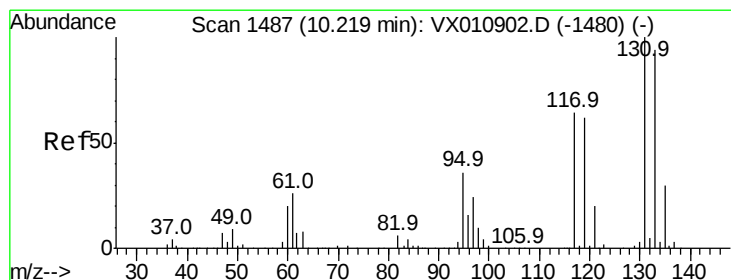
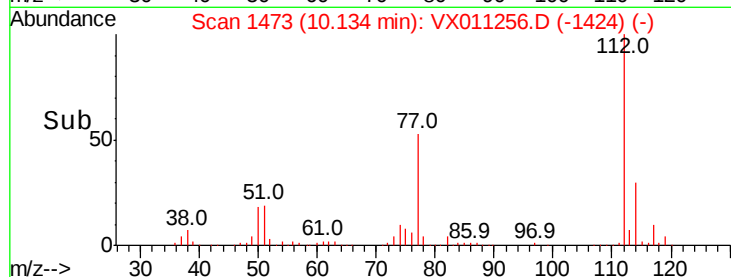
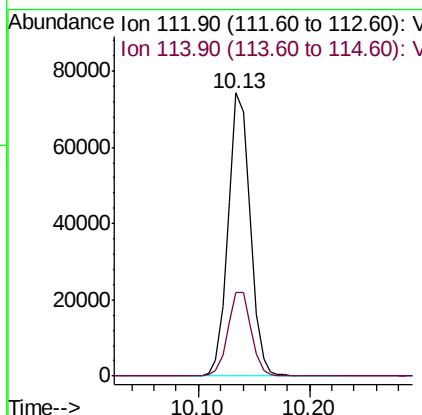
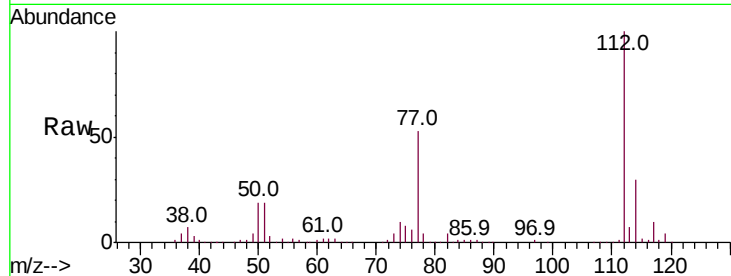
#65
Chlorobenzene
Concen: 19.823 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion:112 Resp: 102055
Ion Ratio Lower Upper
112 100
114 29.6 26.2 39.4

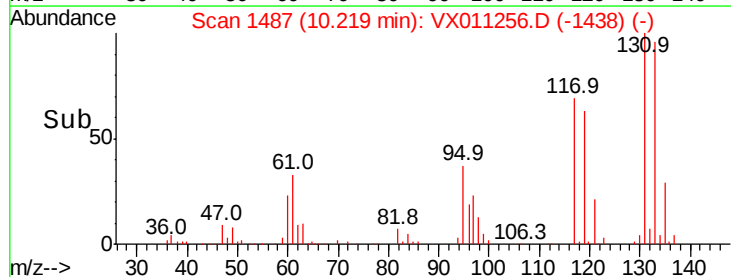
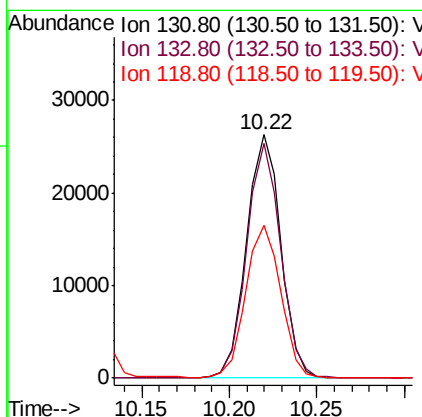
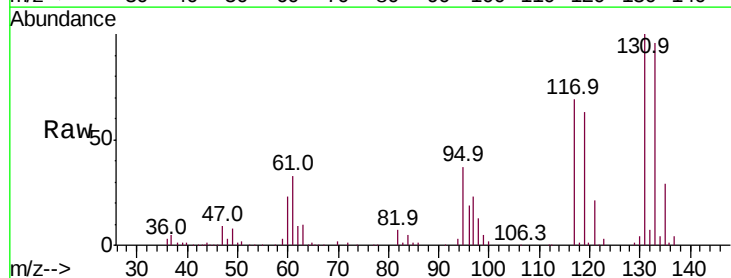
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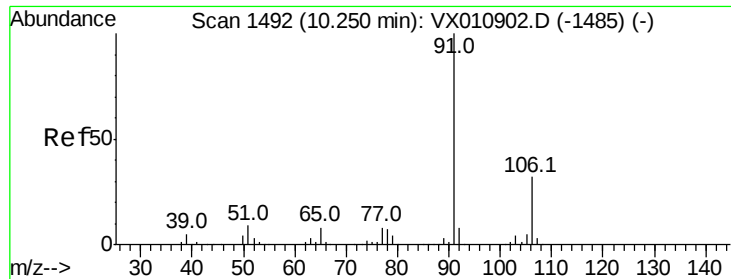
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.816 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion:131 Resp: 35855
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.4
119 64.6 31.9 95.7





#67

Ethyl Benzene

Concen: 19.565 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampled :

VX0731WBSD01

Tot Ion: 91 Resp: 171449

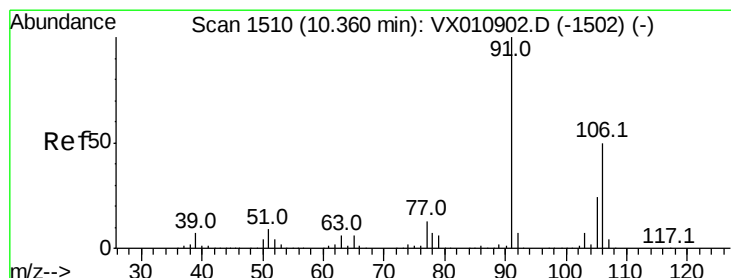
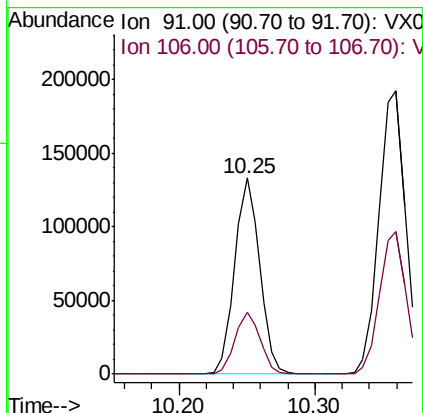
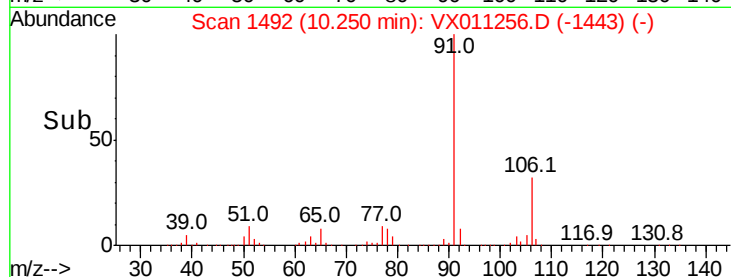
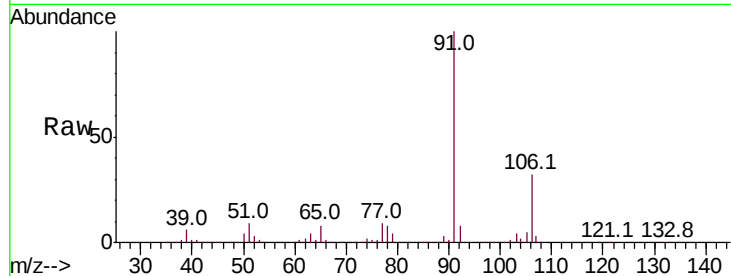
Ion Ratio Lower Upper

91 100

106 31.7 25.4 38.2

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#68

m/p-Xylenes

Concen: 39.234 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX011256.D

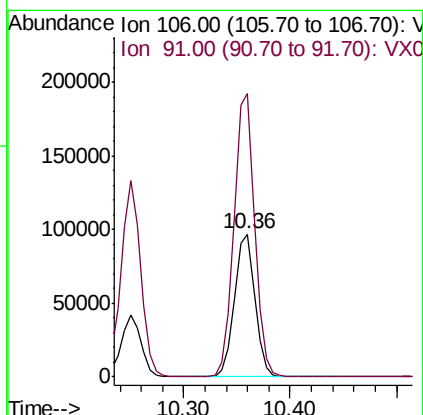
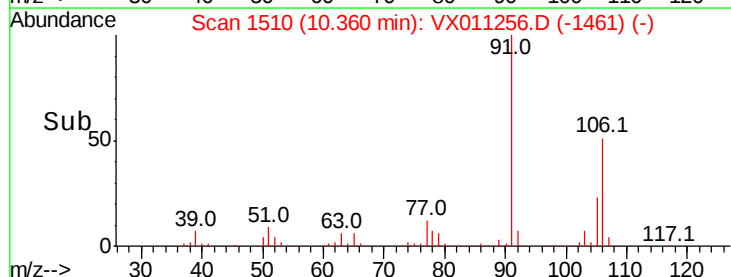
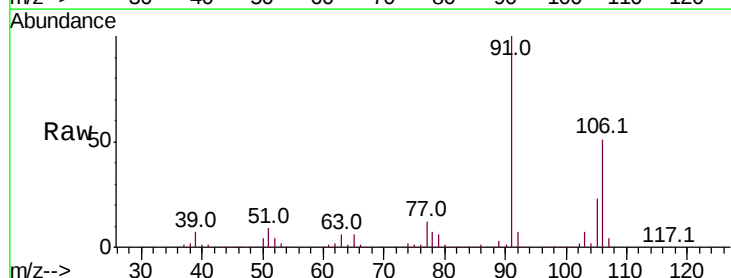
Acq: 31 Jul 2019 20:23

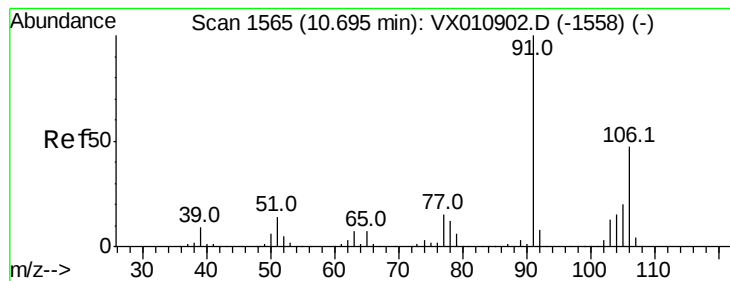
Tgt Ion: 106 Resp: 131880

Ion Ratio Lower Upper

106 100

91 199.3 160.1 240.1





#69

o-Xylene

Concen: 19.626 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion:106 Resp: 64385

Ion Ratio Lower Upper

106 100

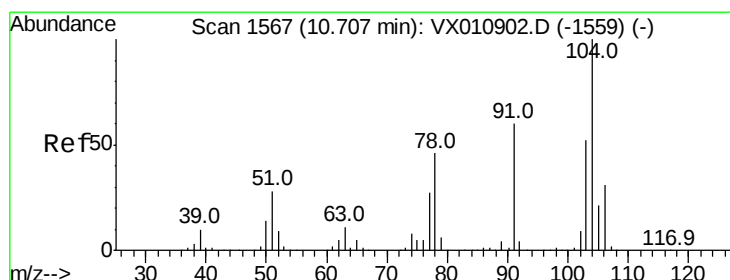
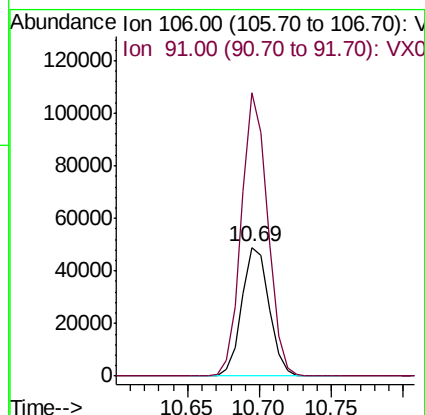
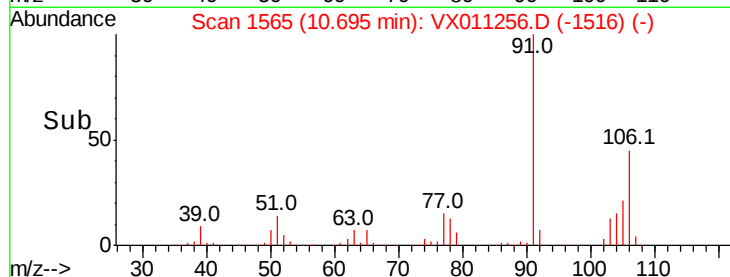
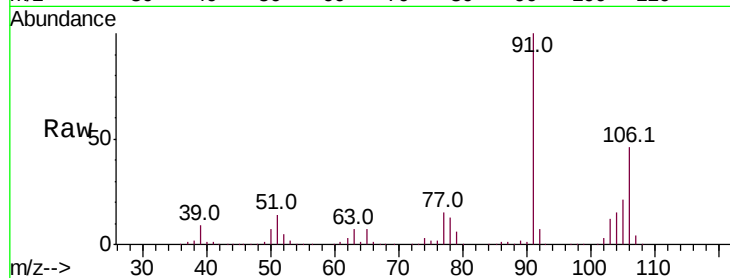
91 213.1 105.1 315.3

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#70

Styrene

Concen: 20.066 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

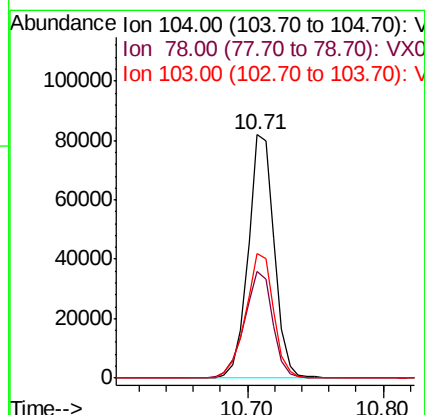
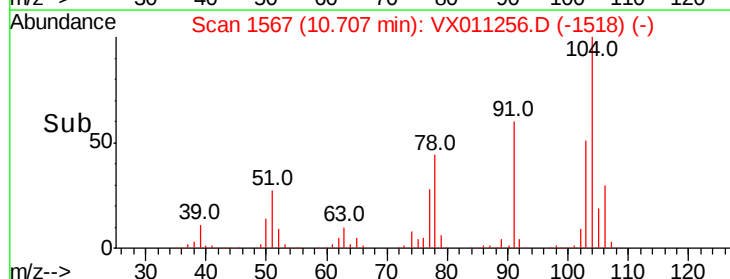
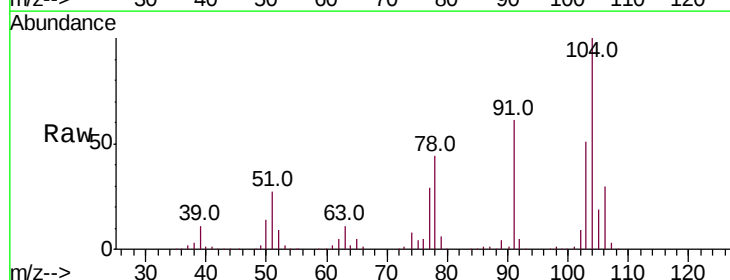
Tgt Ion:104 Resp: 109733

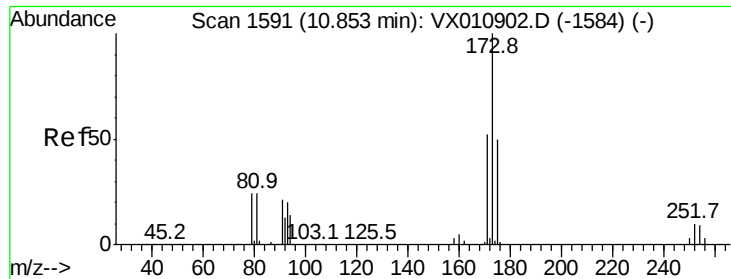
Ion Ratio Lower Upper

104 100

78 47.8 38.8 58.2

103 55.0 44.2 66.4





#71

Bromoform

Concen: 17.720 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampled :

VX0731WBSD01

Tot Ion:173 Resp: 26335

Ion Ratio Lower Upper

173 100

175 50.6 24.6 73.6

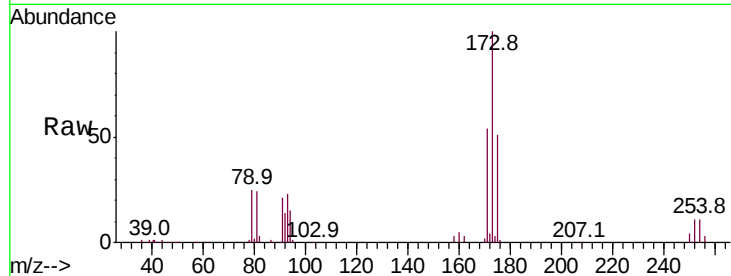
254 0.0 0.1 0.1#

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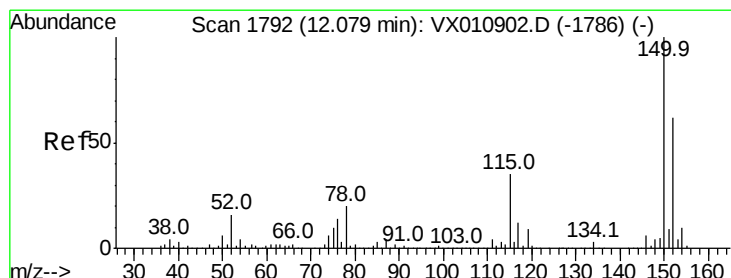
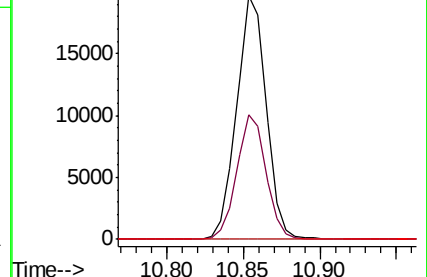
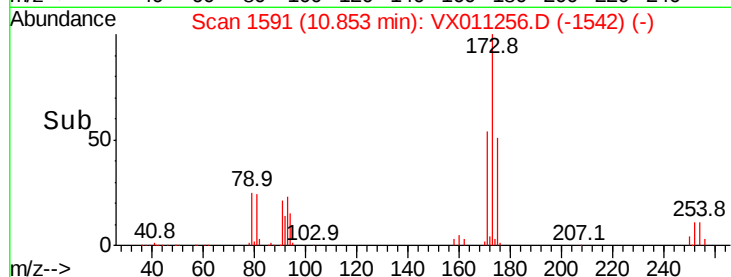
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

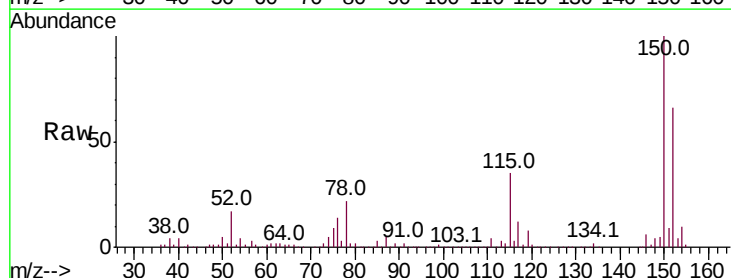
Tgt Ion:152 Resp: 130723

Ion Ratio Lower Upper

152 100

115 65.6 39.7 119.1

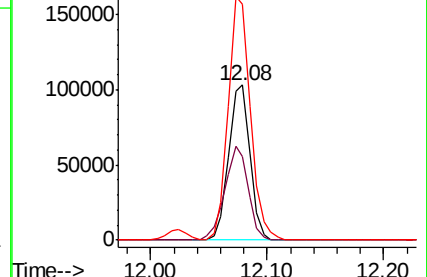
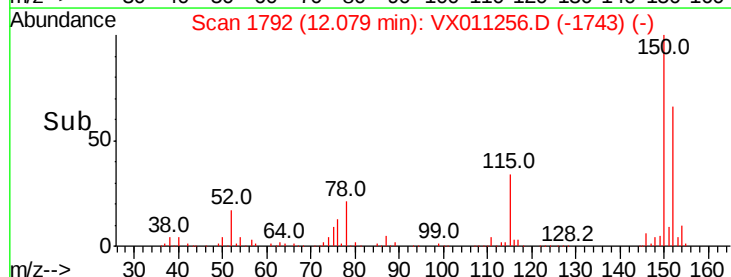
150 163.2 0.0 345.6

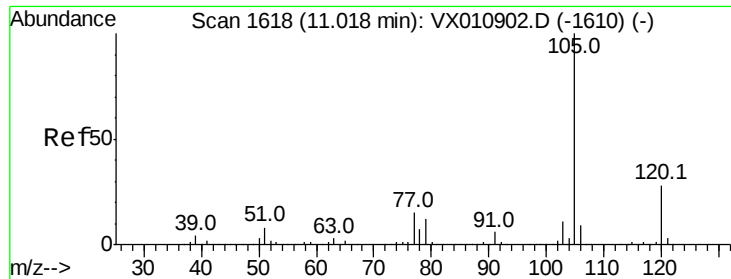


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.937 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion:105 Resp: 176098

Ion Ratio Lower Upper

105 100

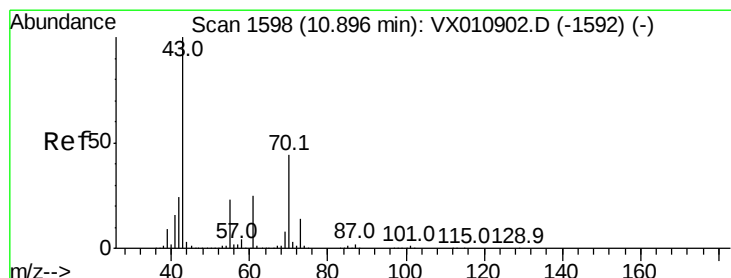
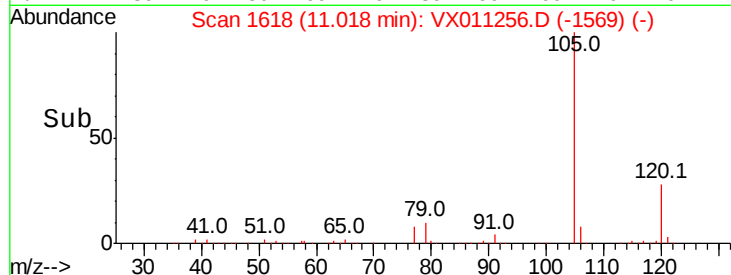
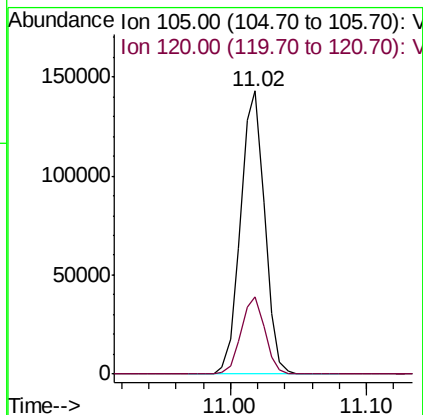
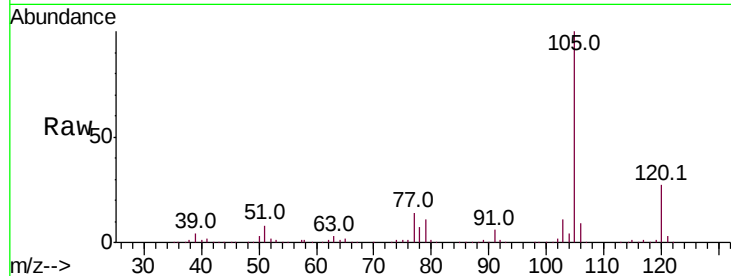
120 27.2 13.7 41.1

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#74

N-ethyl acetate

Concen: 19.829 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Tgt Ion: 43 Resp: 66922

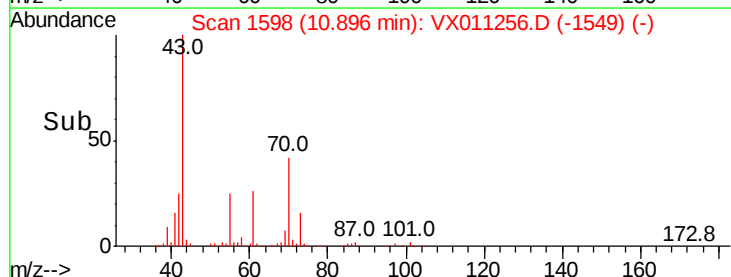
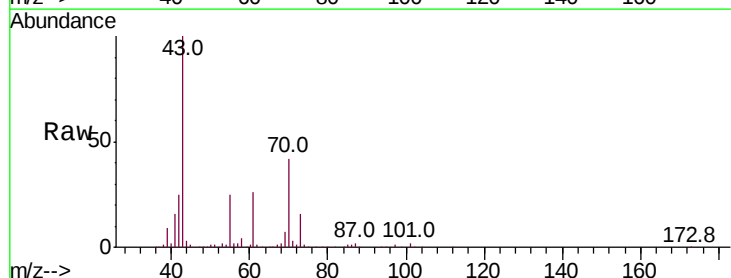
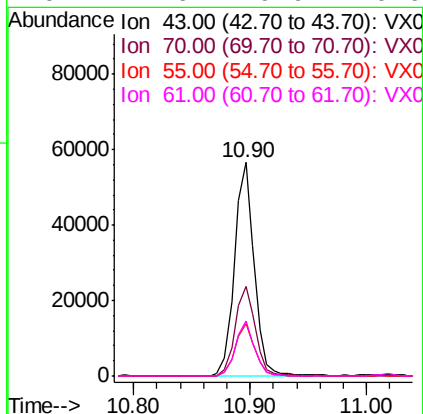
Ion Ratio Lower Upper

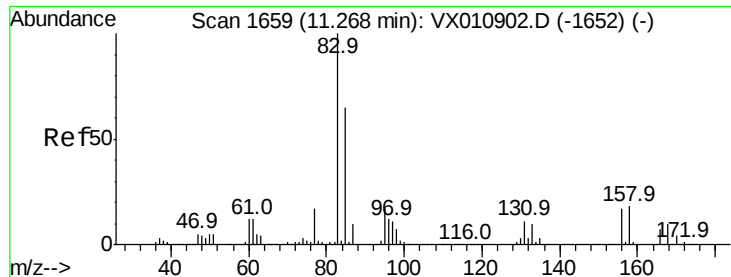
43 100

70 42.9 34.7 52.1

55 24.3 19.1 28.7

61 24.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.690 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion: 83 Resp: 59808

Ion Ratio Lower Upper

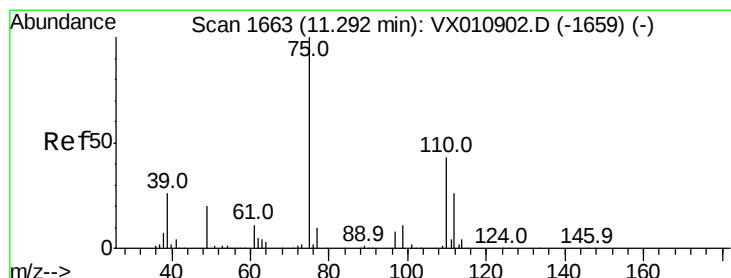
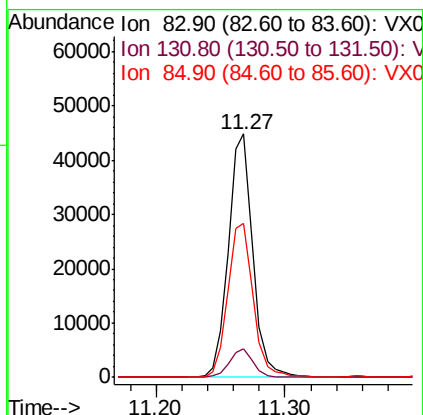
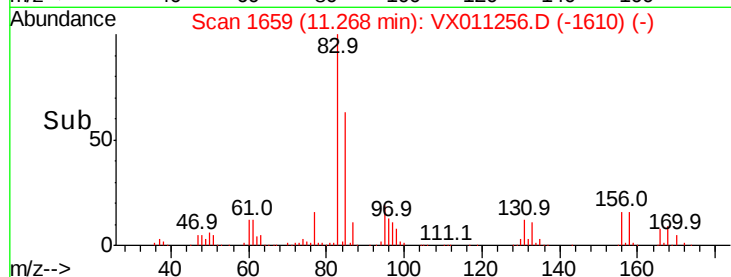
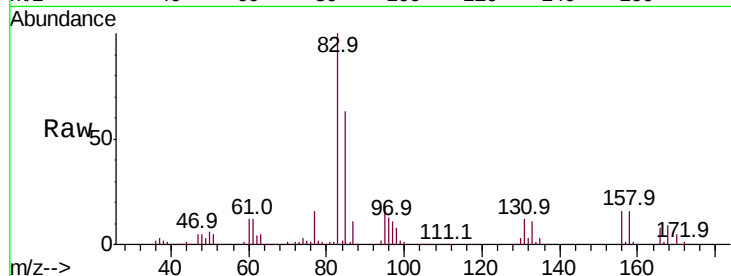
83 100

131 11.2 5.5 16.4

85 65.7 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 20.858 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX011256.D

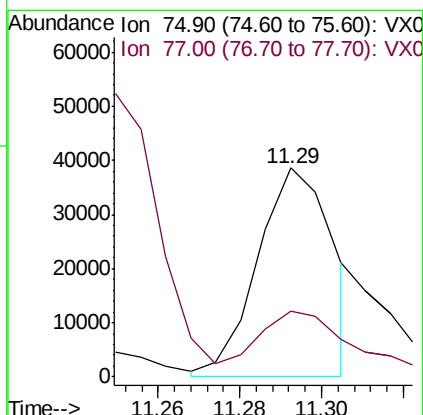
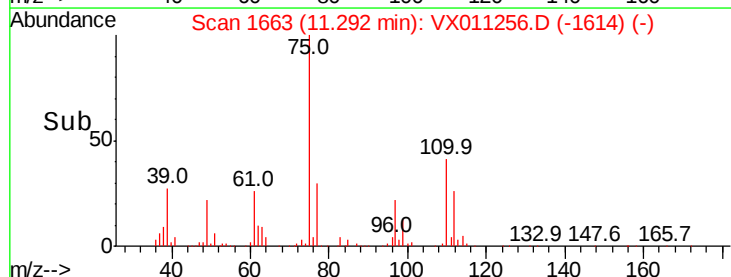
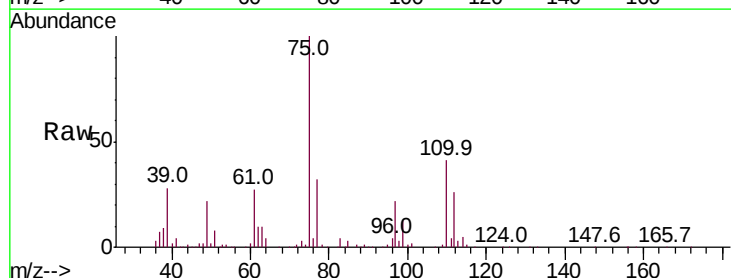
Acq: 31 Jul 2019 20:23

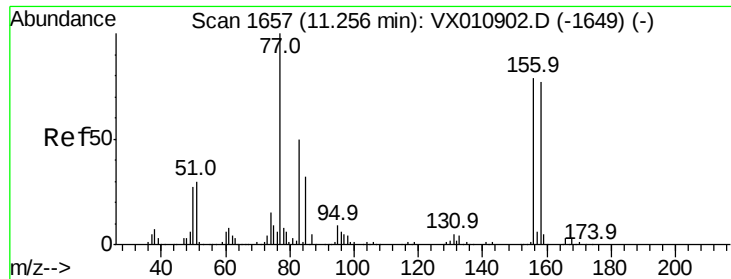
Tgt Ion: 75 Resp: 49204

Ion Ratio Lower Upper

75 100

77 40.6 21.3 64.0





#77

Bromobenzene

Concen: 19.695 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampled :

VX0731WBSD01

Tot Ion:156 Resp: 47986

Ion Ratio Lower Upper

156 100

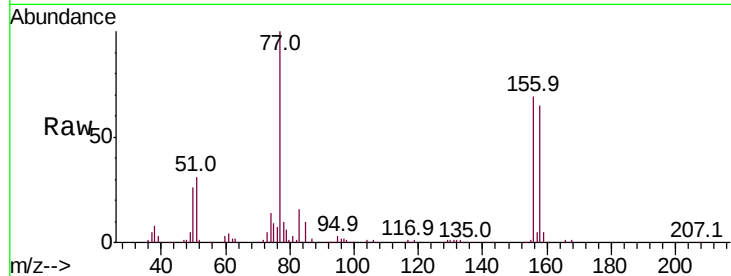
77 138.8 68.7 206.1

158 96.3 47.9 143.7

Manual Integrations
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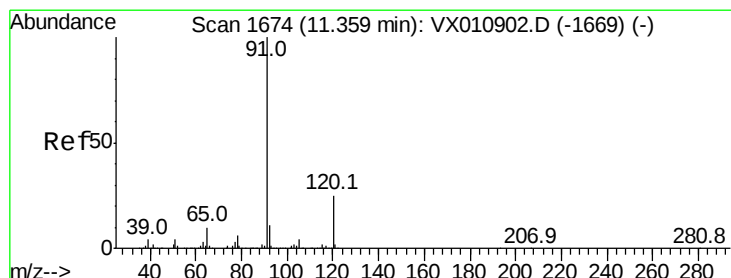
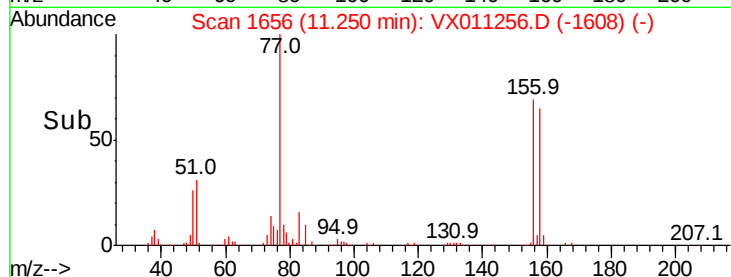
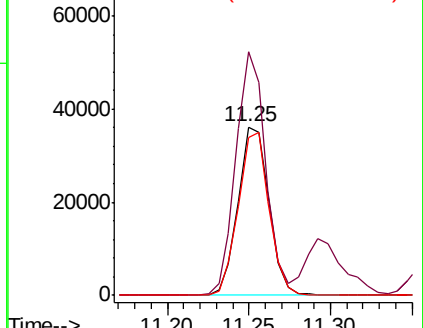
8/1/2019 11:20:05 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.813 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011256.D

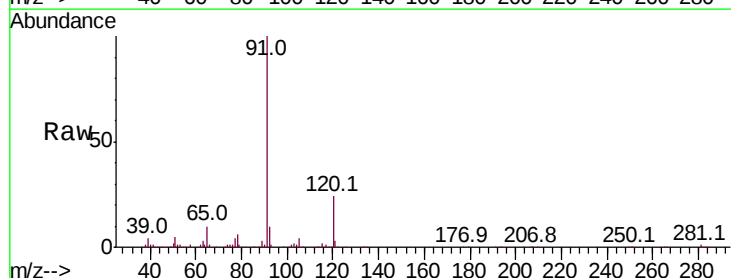
Acq: 31 Jul 2019 20:23

Tgt Ion: 91 Resp: 193366

Ion Ratio Lower Upper

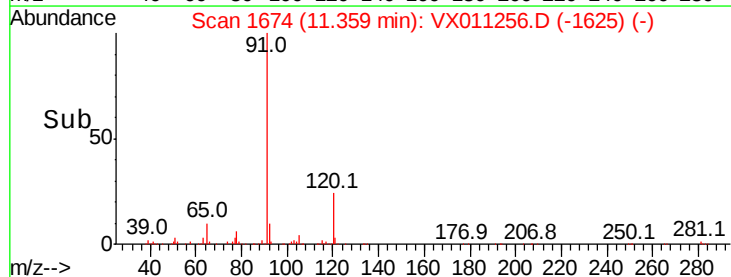
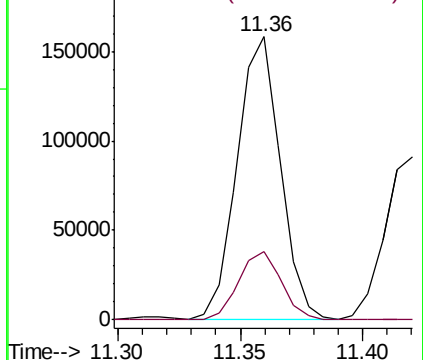
91 100

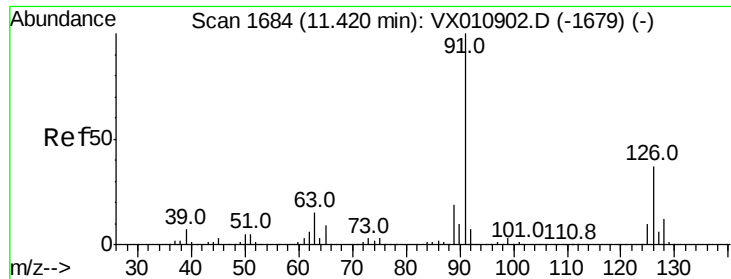
120 24.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.706 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampled :

VX0731WBSD01

Tot Ion: 91 Resp: 115534

Ion Ratio Lower Upper

91 100

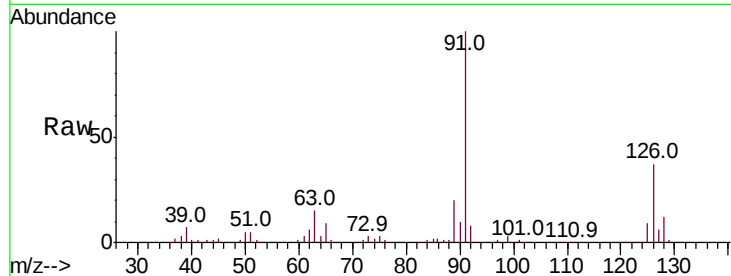
126 37.2 18.0 54.0

Manual Integrations

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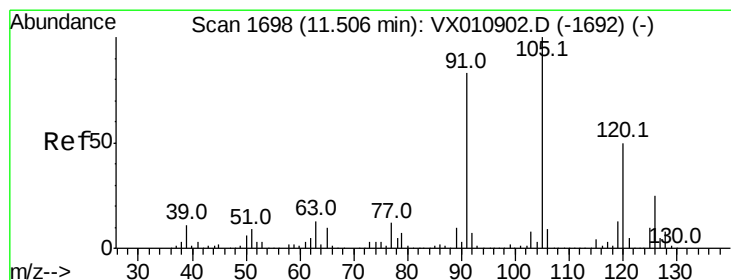
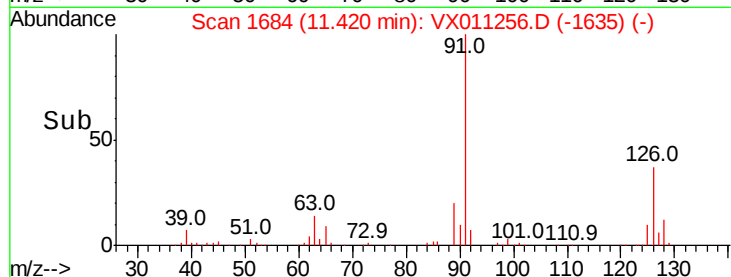
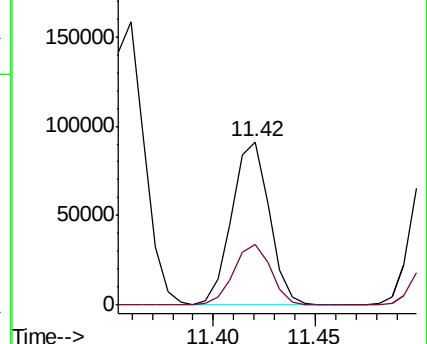
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.743 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011256.D

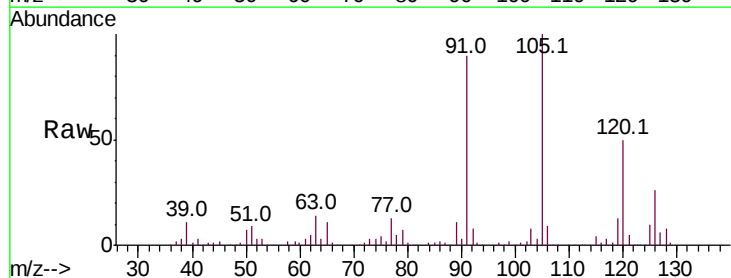
Acq: 31 Jul 2019 20:23

Tgt Ion: 105 Resp: 145719

Ion Ratio Lower Upper

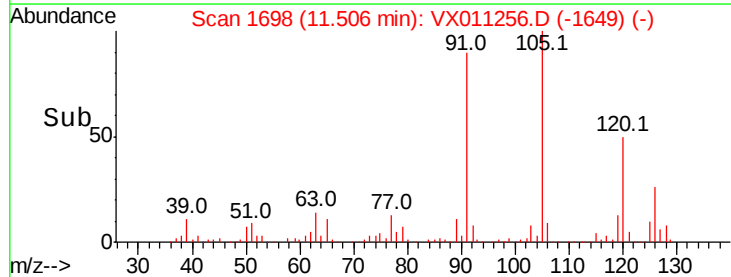
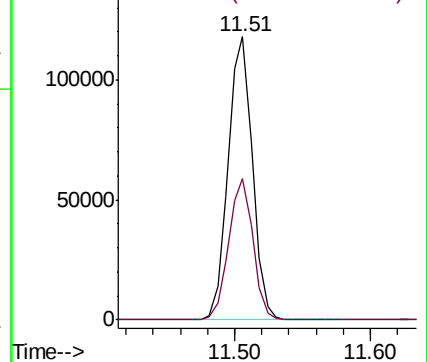
105 100

120 49.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.336 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

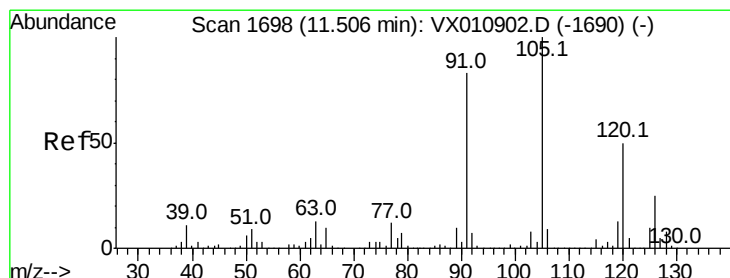
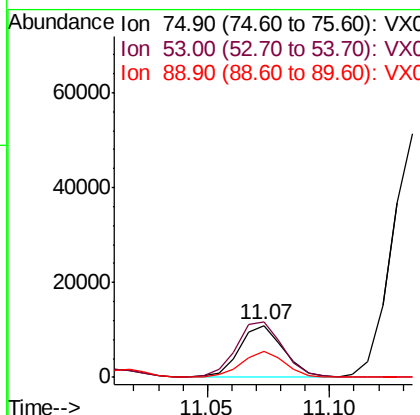
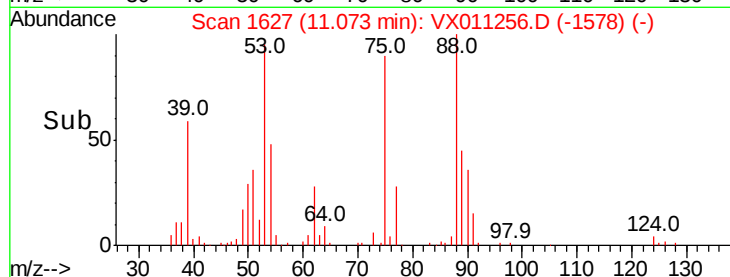
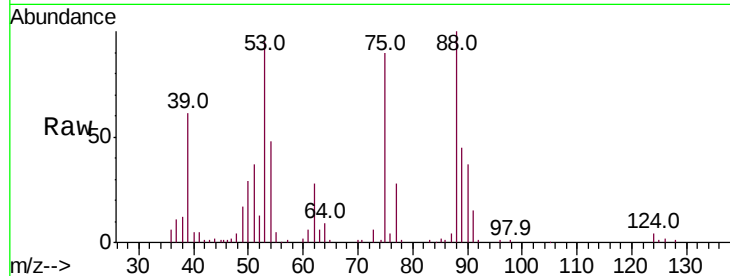
ClientSampled :

VX0731WBSD01

Tot Ion:	75	Resp:	13511
Ion Ratio	Lower	Upper	
75	100		
53	113.0	76.7	115.1
89	49.7	38.5	57.7

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#82

4-Chlorotoluene

Concen: 19.659 ug/l

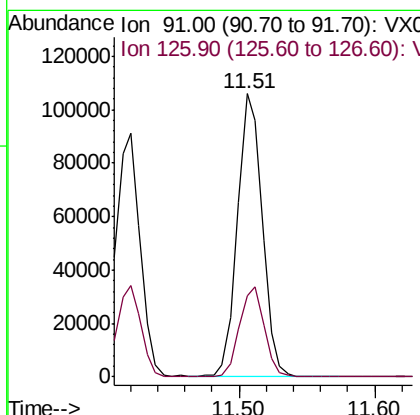
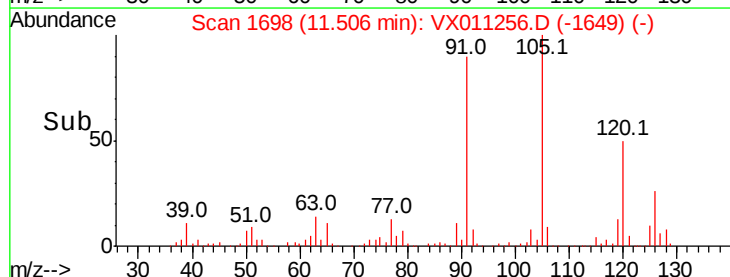
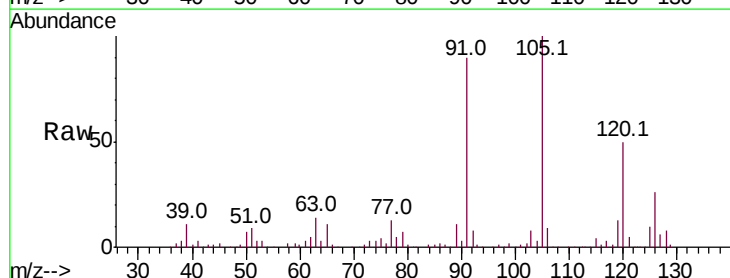
RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Tgt Ion:	91	Resp:	134145
Ion Ratio	Lower	Upper	
91	100		
126	31.9	15.9	47.7





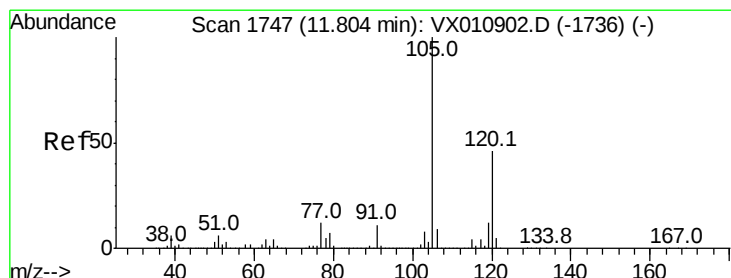
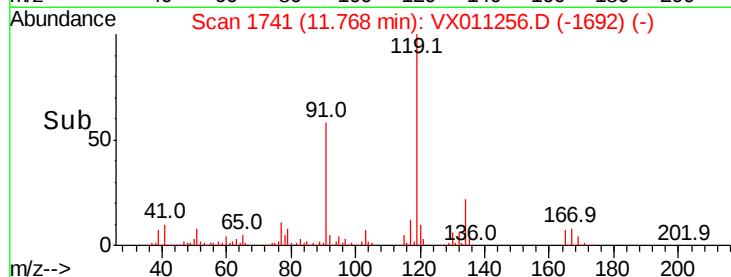
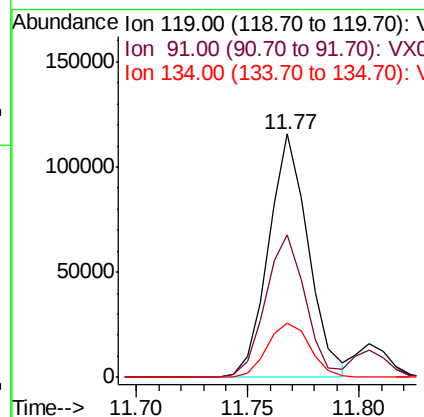
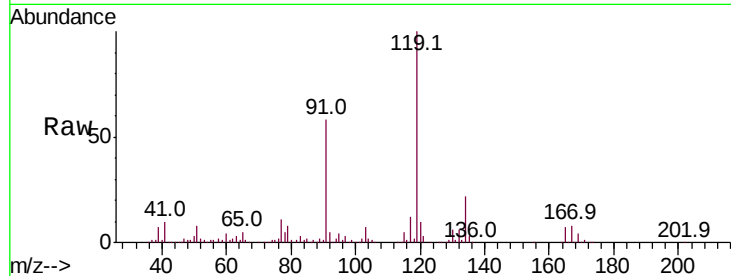
#83
tert-Butylbenzene
Concen: 19.773 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	143353		
91	59.1	28.6	85.8	
134	24.1	11.6	34.8	

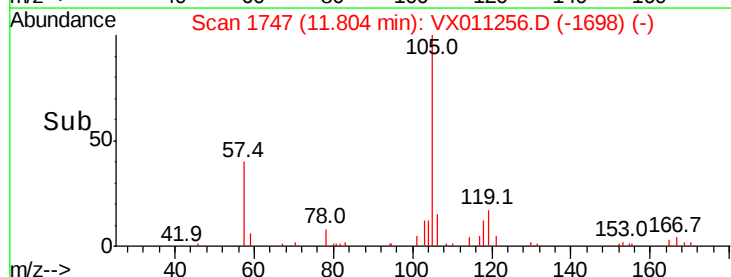
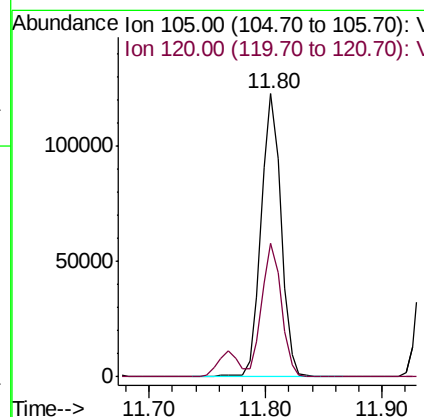
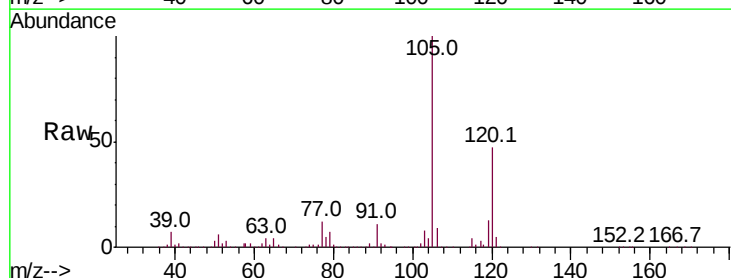
Manual Integrations
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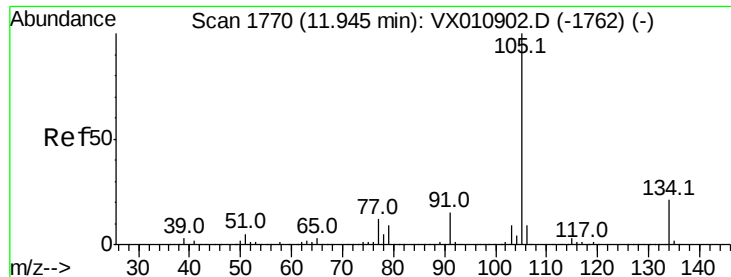
MMDadoda
8/1/2019 11:20:05 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.879 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	147884		
120	46.6	22.9	68.5	





#85

sec-Butylbenzene

Concen: 20.125 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion:105 Resp: 170963

Ion Ratio Lower Upper

105 100

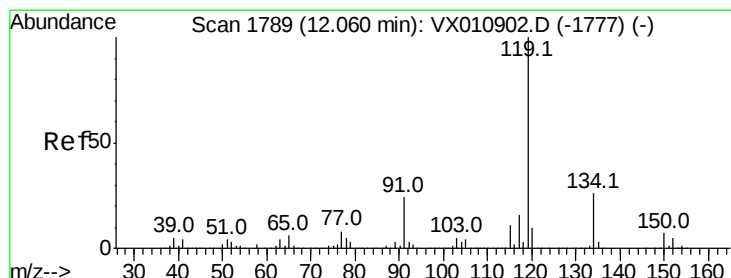
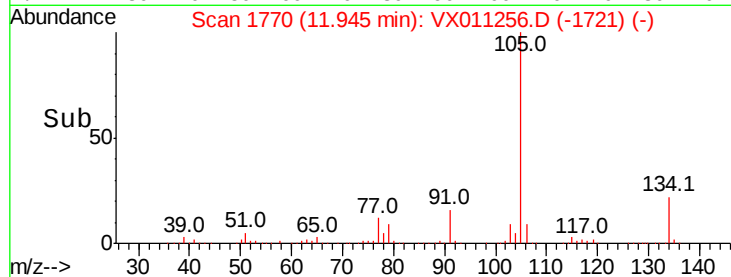
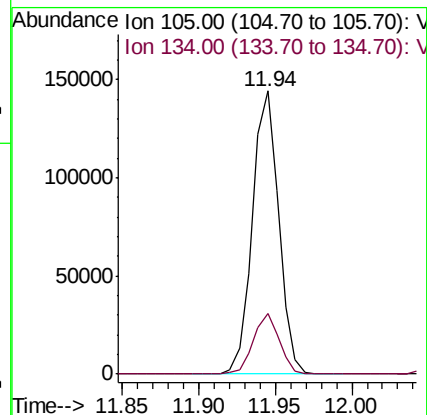
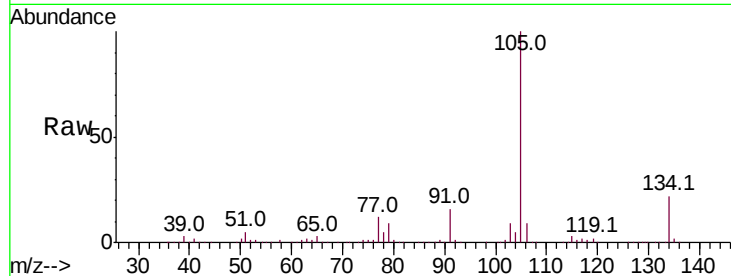
134 21.2 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 20.119 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

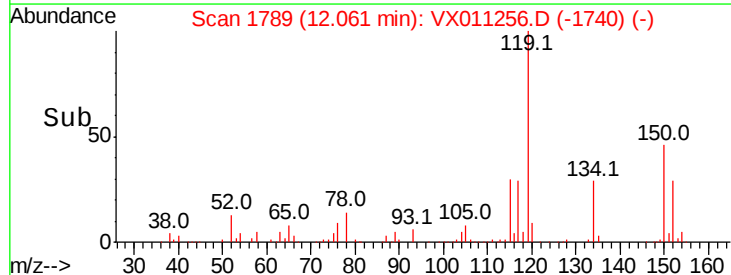
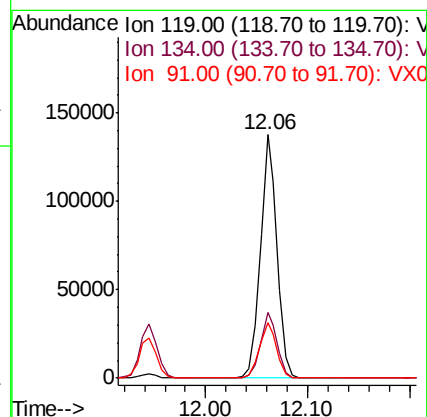
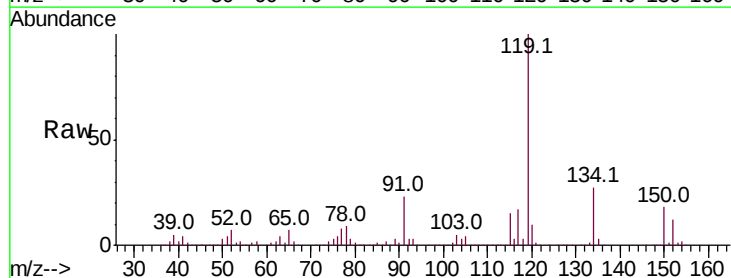
Tgt Ion:119 Resp: 158004

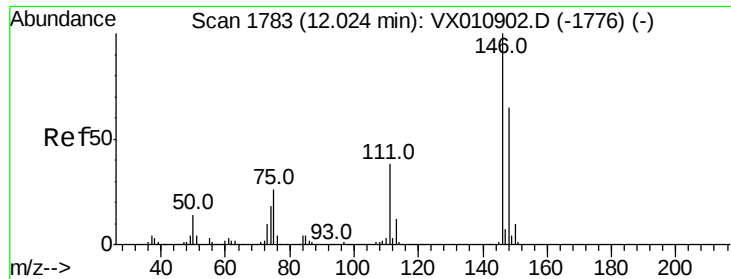
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.5 11.8 35.4





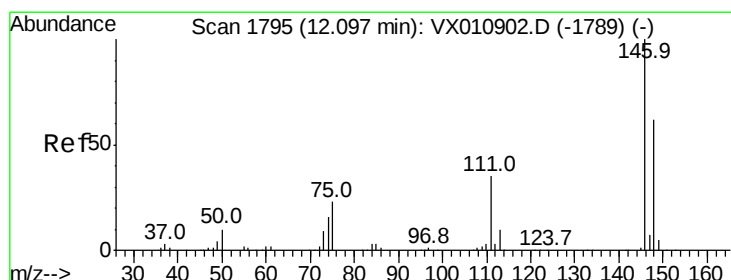
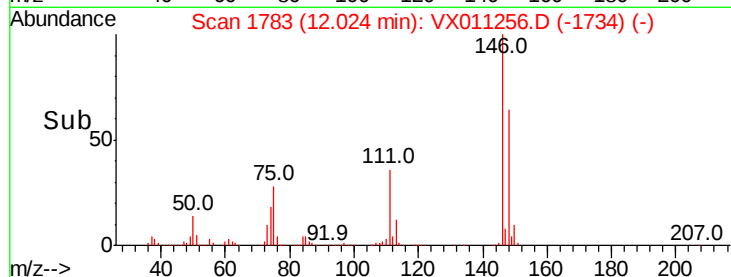
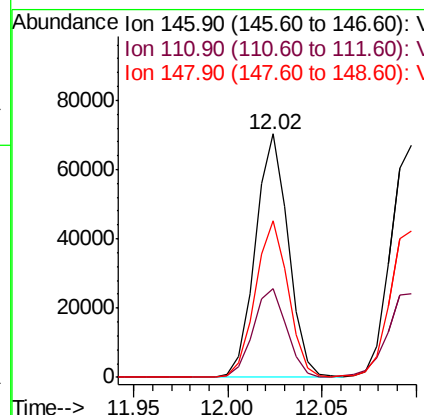
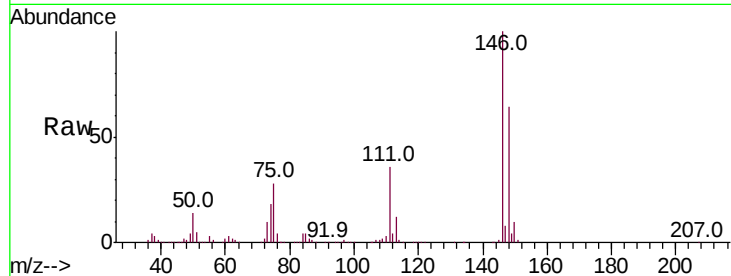
#87
 1,3-Dichlorobenzene
 Concen: 19.996 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	64.6	32.2	96.6

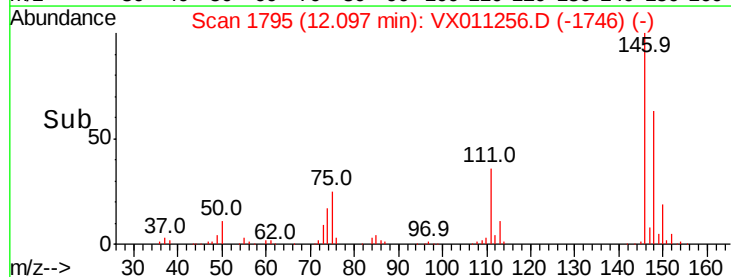
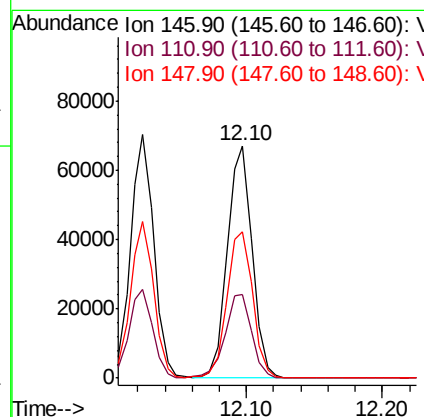
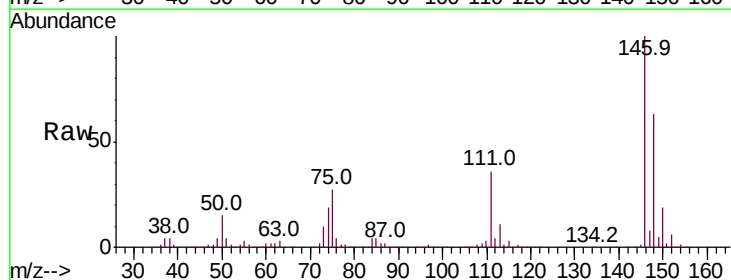
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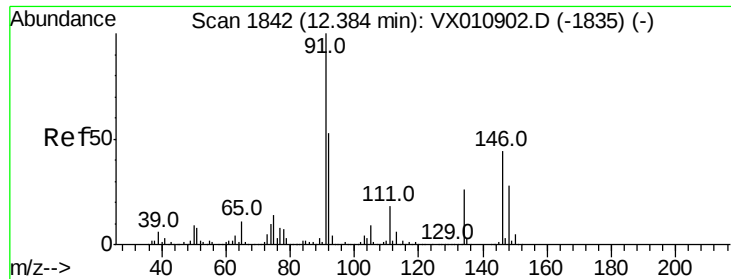
MMdadoda
 8/1/2019 11:20:05 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.466 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.6	55.8
148	65.7	31.6	94.7





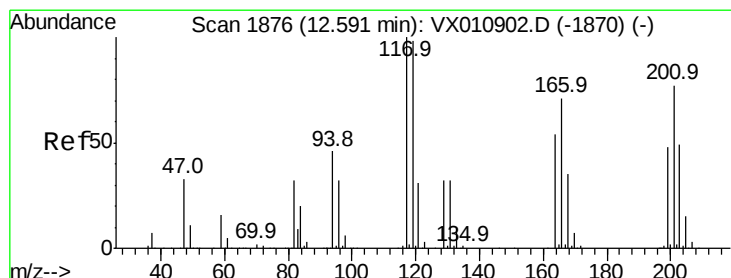
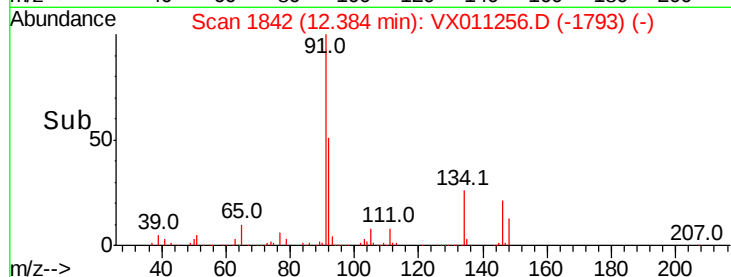
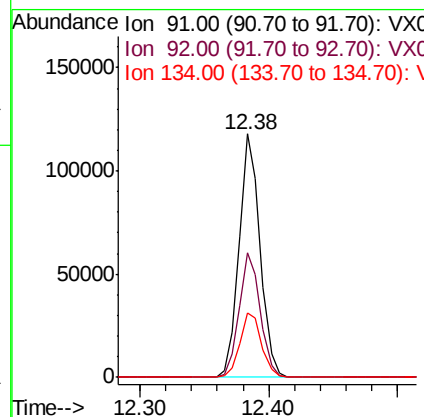
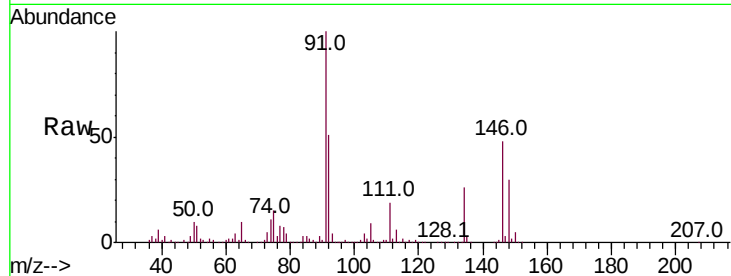
#89
n-Butylbenzene
Concen: 19.956 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.2	78.5
134	27.0	13.8	41.3

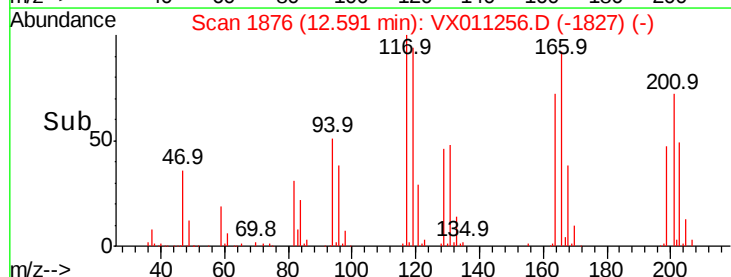
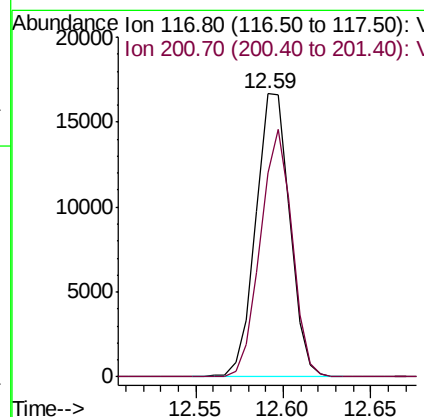
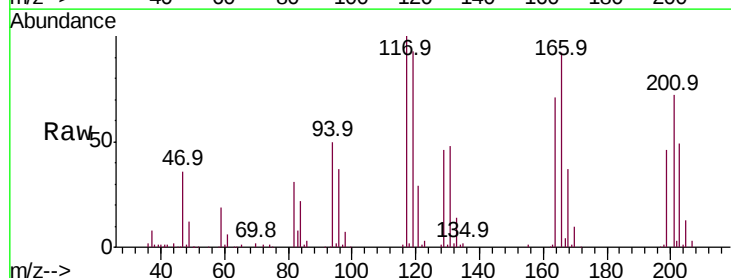
Manual Integrations
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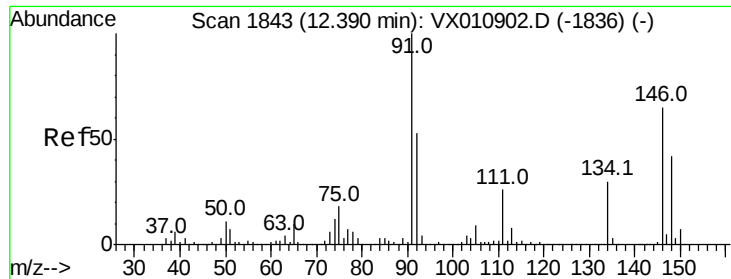
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#90
Hexachloroethane
Concen: 18.216 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	43.3	129.8





#91

1,2-Dichlorobenzene

Concen: 20.401 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBSD01

Tot Ion:146 Resp: 85489

Ion Ratio Lower Upper

146 100

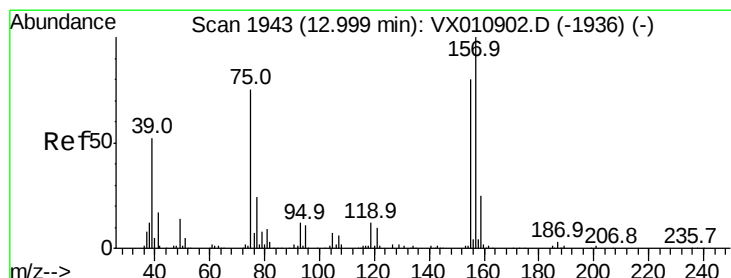
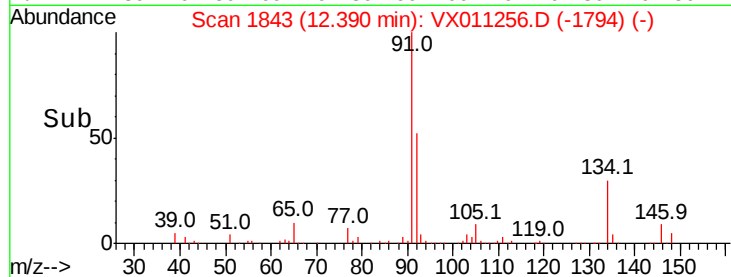
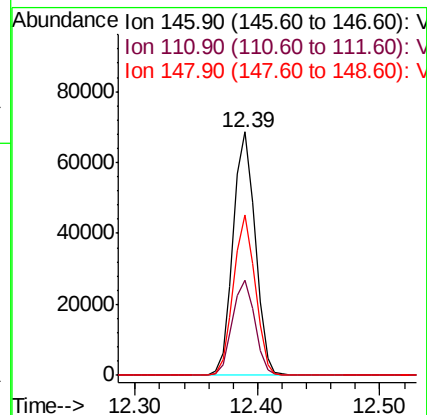
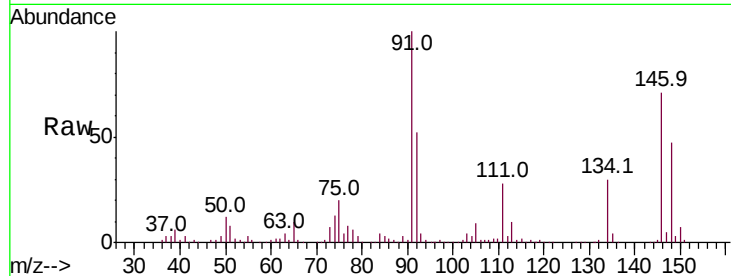
111 39.6 19.9 59.7

148 64.9 32.0 96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.754 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX011256.D

Acq: 31 Jul 2019 20:23

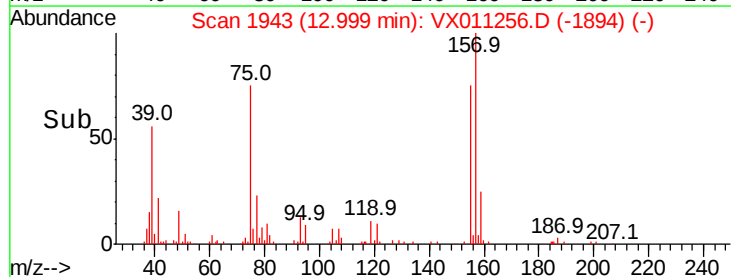
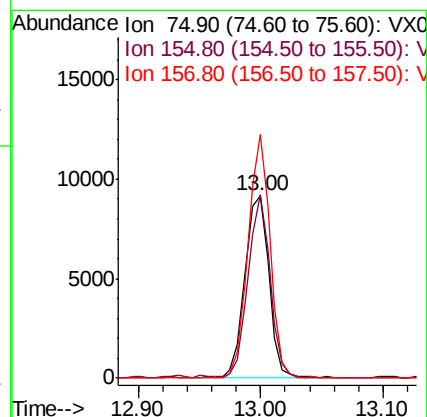
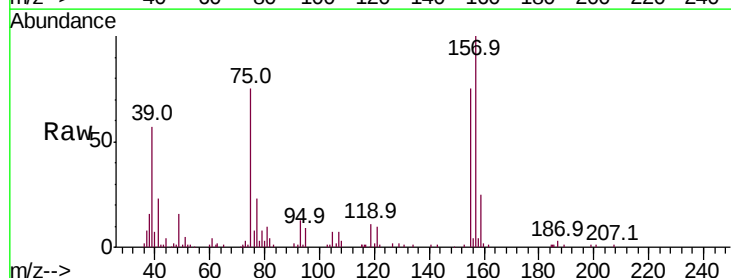
Tgt Ion: 75 Resp: 12540

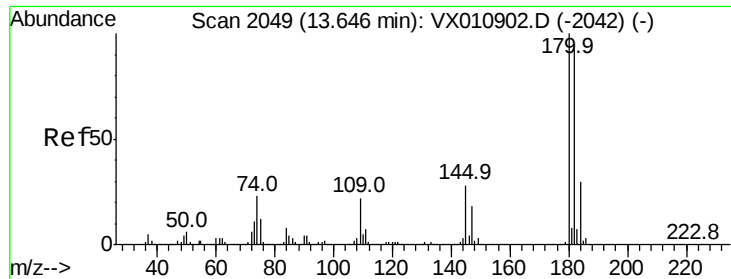
Ion Ratio Lower Upper

75 100

155 91.8 48.7 146.1

157 120.7 62.5 187.6





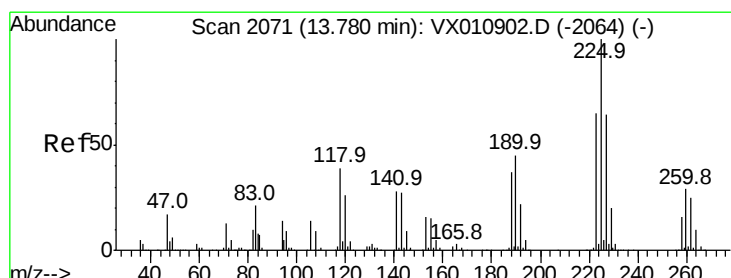
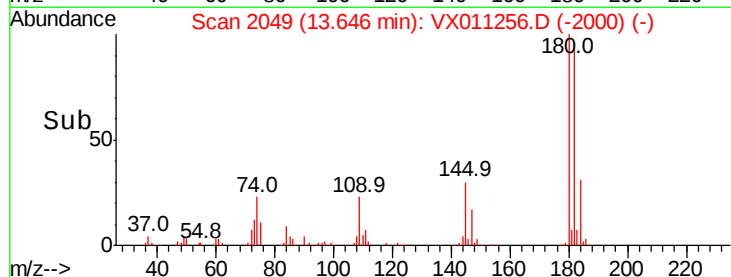
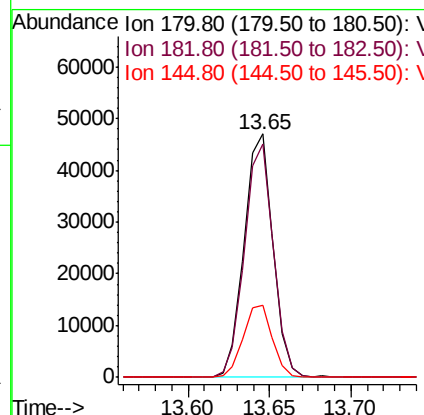
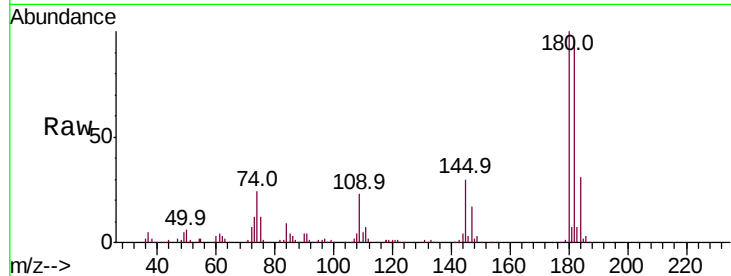
#93
 1,2,4-Trichlorobenzene
 Concen: 20.493 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.1	141.3	
145	30.1	14.8	44.4	

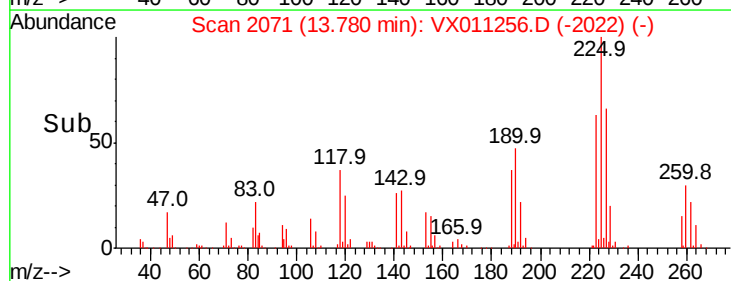
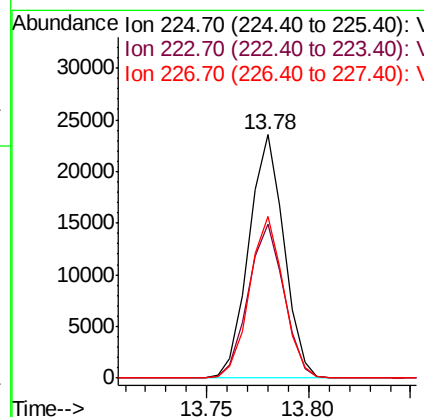
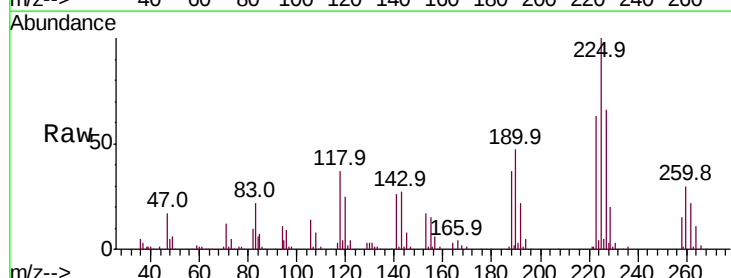
Manual Integrations
 APPROVED

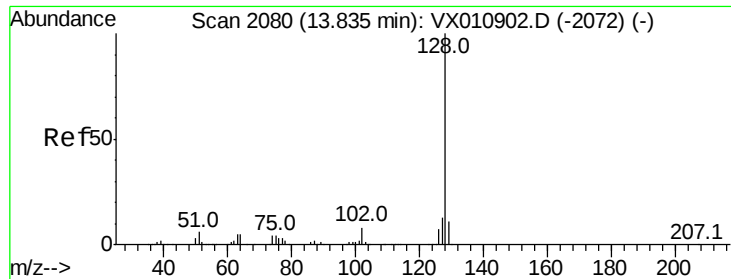
MMDadoda
 8/1/2019 11:20:05 AM



#94
 Hexachlorobutadiene
 Concen: 20.022 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011256.D
 Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	31.9	95.9	
227	64.5	32.5	97.4	





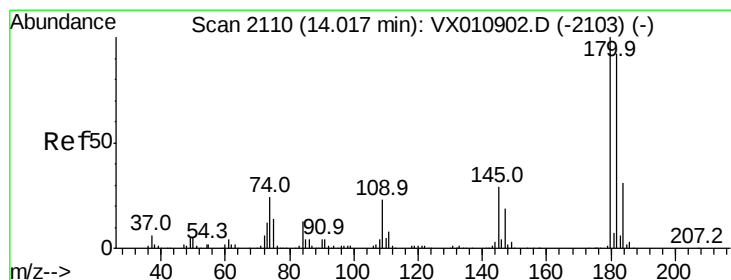
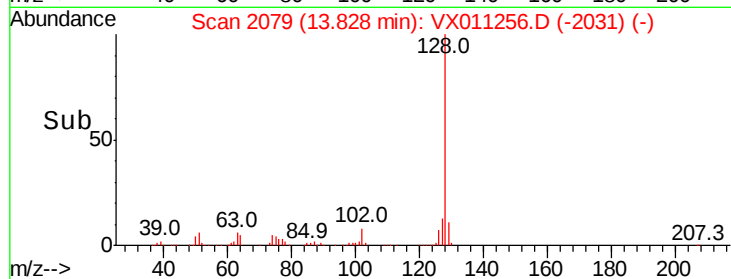
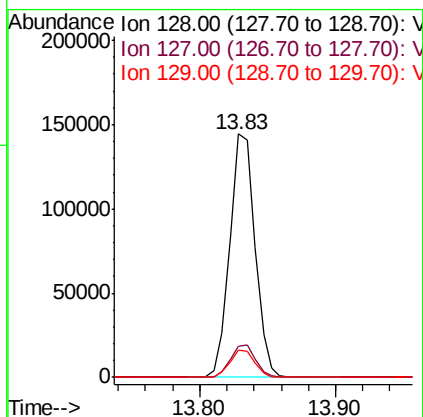
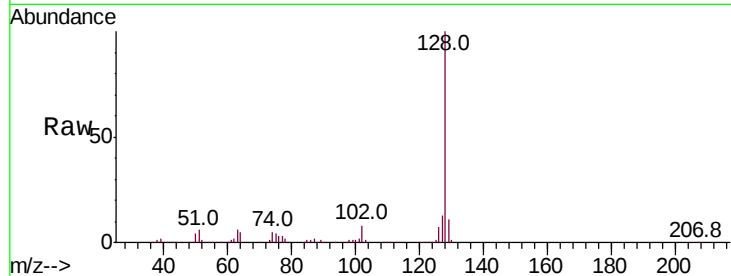
#95
Naphthalene
Concen: 22.284 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Instrument :
MSVOA_X
ClientSampleId :
VX0731WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	186873		
127	13.1		10.4	15.6
129	11.1		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/1/2019 11:20:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.607 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011256.D
Acq: 31 Jul 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	61056		
182	94.5		47.4	142.3
145	30.8		15.1	45.3

