

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012752.D
 Acq On : 02 Oct 2019 11:43
 Operator : JC/SP
 Sample : VX1002WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 10:50:45 AM

Quant Time: Oct 03 02:02:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	317666	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	127865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	123018	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
35) Dibromofluoromethane	5.48	113	93347	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	8.71	98	353984	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.13	95	134700	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	33952	16.184	ug/l	100
3) Chloromethane	1.32	50	39398	16.355	ug/l	96
4) Vinyl Chloride	1.40	62	40118	16.755	ug/l	96
5) Bromomethane	1.63	94	18812	19.983	ug/l	97
6) Chloroethane	1.72	64	26613	16.487	ug/l	97
7) Trichlorofluoromethane	1.92	101	57652	17.150	ug/l	93
8) Diethyl Ether	2.18	74	23277	16.896	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	37402	18.267	ug/l	97
10) Methyl Iodide	2.50	142	31979	18.310	ug/l	93
11) Tert butyl alcohol	3.03	59	58976	86.941	ug/l	98
12) 1,1-Dichloroethene	2.36	96	35597	17.754	ug/l	93
13) Acrolein	2.28	56	24572	72.597	ug/l	98
14) Allyl chloride	2.72	41	66381	16.688	ug/l	97
15) Acrylonitrile	3.13	53	121398	88.211	ug/l	97
16) Acetone	2.43	43	121097	84.192	ug/l	94
17) Carbon Disulfide	2.56	76	87765	15.614	ug/l	98
18) Methyl Acetate	2.76	43	57428	16.956	ug/l	95
19) Methyl tert-butyl Ether	3.18	73	134659	17.744	ug/l	97
20) Methylene Chloride	2.84	84	43152	17.738	ug/l	91
21) trans-1,2-Dichloroethene	3.15	96	39891	17.959	ug/l	96
22) Diisopropyl ether	3.84	45	135261	17.598	ug/l	97
23) Vinyl Acetate	3.80	43	580919	86.183	ug/l	98
24) 1,1-Dichloroethane	3.68	63	73818	17.668	ug/l	97
25) 2-Butanone	4.66	43	172909	83.840	ug/l	96
26) 2,2-Dichloropropane	4.57	77	62016	16.689	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	46264	17.950	ug/l	93
28) Bromochloromethane	5.00	49	27908	18.396	ug/l	# 15
29) Tetrahydrofuran	5.11	42	105796	84.164	ug/l	95
30) Chloroform	5.20	83	75369	17.632	ug/l	97
31) Cyclohexane	5.57	56	65395	17.301	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	67007	17.687	ug/l	99
36) 1,1-Dichloropropene	5.78	75	54520	17.806	ug/l	96
37) Ethyl Acetate	4.81	43	63995	17.877	ug/l	98
38) Carbon Tetrachloride	5.78	117	55635	17.887	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65653	17.811	ug/l	96
40) Benzene	6.13	78	167287	18.569	ug/l	98
41) Methacrylonitrile	5.03	41	34728	17.291	ug/l	94
42) 1,2-Dichloroethane	6.18	62	63076	18.437	ug/l	99
43) Isopropyl Acetate	6.43	43	102935	17.195	ug/l	98
44) Trichloroethene	7.20	130	44260	19.217	ug/l	95
45) 1,2-Dichloropropane	7.51	63	43189	18.724	ug/l	95
46) Dibromomethane	7.65	93	27974	17.813	ug/l	99
47) Bromodichloromethane	7.89	83	55766	17.767	ug/l	100
48) Methyl methacrylate	7.76	41	49889	17.380	ug/l	94
49) 1,4-Dioxane	7.73	88	24221	372.015	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	325308	88.032	ug/l	96
52) Toluene	8.78	92	106617	18.829	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	60621	17.457	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	66999	17.670	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	42425	18.846	ug/l	97
56) Ethyl methacrylate	9.17	69	67446	17.834	ug/l	92
57) 1,3-Dichloropropane	9.37	76	74040	18.792	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	155669	91.698	ug/l	99
59) 2-Hexanone	9.48	43	247259	87.415	ug/l	97
60) Dibromochloromethane	9.58	129	42092	18.471	ug/l	100
61) 1,2-Dibromoethane	9.67	107	44286	18.903	ug/l	100
64) Tetrachloroethene	9.33	164	40145	20.458	ug/l	98
65) Chlorobenzene	10.14	112	110291	18.609	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	41291	19.228	ug/l	99
67) Ethyl Benzene	10.25	91	200842	18.684	ug/l	99
68) m/p-Xylenes	10.35	106	150206	37.301	ug/l	100
69) o-Xylene	10.70	106	71770	18.419	ug/l	97
70) Styrene	10.71	104	122989	18.828	ug/l	99
71) Bromoform	10.85	173	26581	17.777	ug/l #	99
73) Isopropylbenzene	11.01	105	197610	18.975	ug/l	100
74) N-amyl acetate	10.89	43	84815	17.071	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	63413	18.386	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	60792m	17.973	ug/l	
77) Bromobenzene	11.25	156	43587	18.492	ug/l	98
78) n-propylbenzene	11.35	91	216884	18.498	ug/l	100
79) 2-Chlorotoluene	11.42	91	132614	18.132	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	165362	18.935	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	18981	16.082	ug/l	97
82) 4-Chlorotoluene	11.51	91	154180	18.492	ug/l	100
83) tert-Butylbenzene	11.77	119	155806	18.495	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	170071	19.305	ug/l	99
85) sec-Butylbenzene	11.94	105	188494	19.237	ug/l	99
86) p-Isopropyltoluene	12.06	119	171573	19.406	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	81135	19.128	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	80899	18.874	ug/l	98
89) n-Butylbenzene	12.39	91	141497	18.162	ug/l	99
90) Hexachloroethane	12.59	117	28524	18.096	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	81697	19.238	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14351	16.634	ug/l	97

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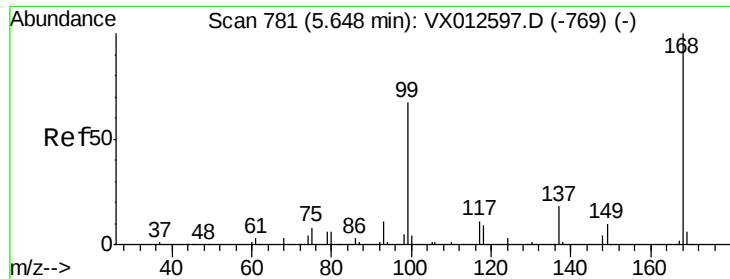
Manual Integrations
APPROVED

MMDadoda
10/3/2019 10:50:45 AM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	48975	18.911	ug/l	99
94) Hexachlorobutadiene	13.78	225	22226	19.949	ug/l	99
95) Naphthalene	13.83	128	176976	18.888	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	50613	19.510	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBS01

Tot Ion:168 Resp: 186478

Ion Ratio Lower Upper

168 100

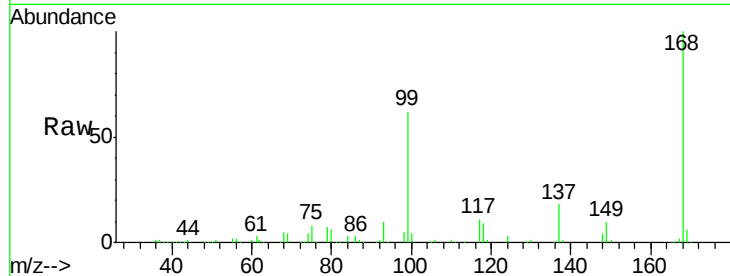
99 62.2 51.4 77.2

Manual Integrations

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10/3/2019 10:50:45 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

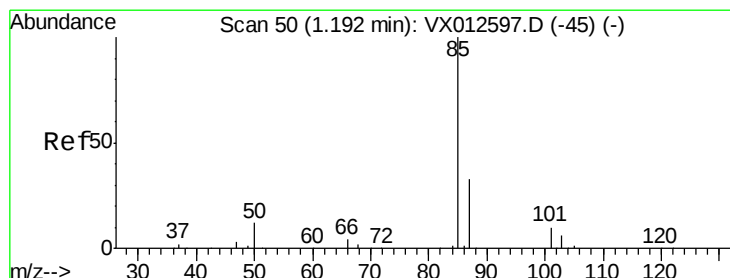
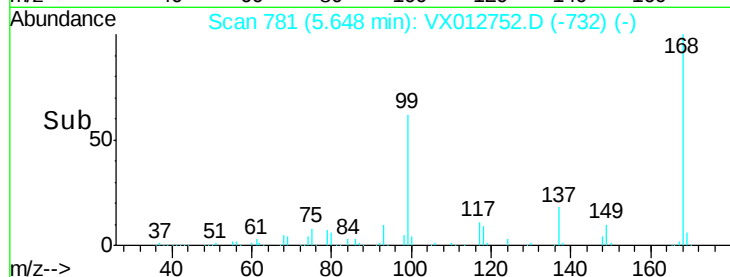
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.184 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012752.D

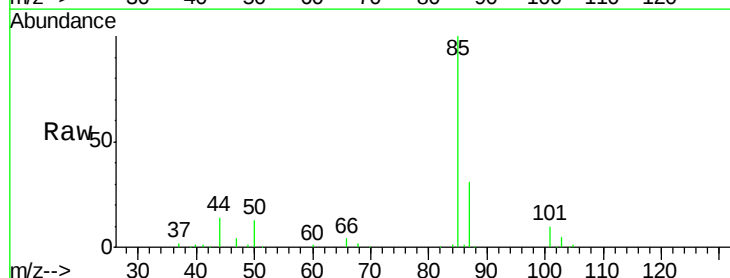
Acq: 02 Oct 2019 11:43

Tgt Ion: 85 Resp: 33952

Ion Ratio Lower Upper

85 100

87 31.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

30000

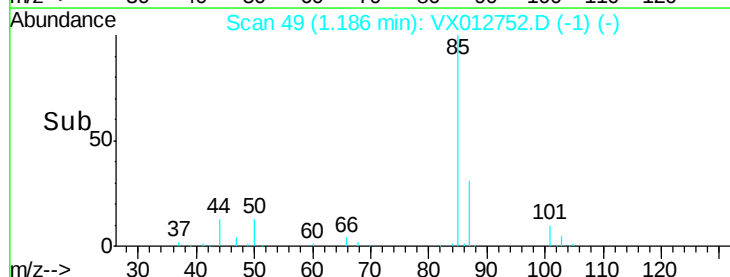
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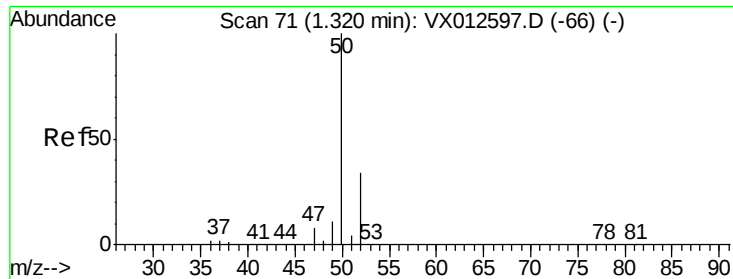
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0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 16.355 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBS01

Tot Ion: 50 Resp: 39398

Ion Ratio Lower Upper

50 100

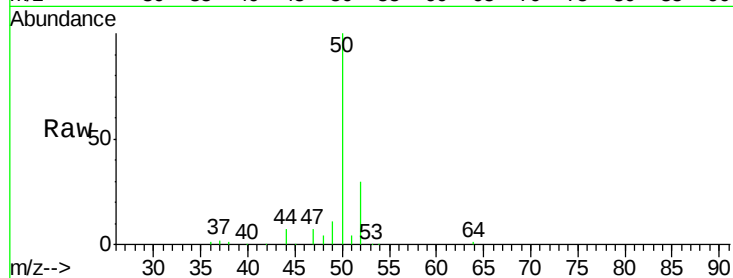
52 30.0 25.7 38.5

Manual Integrations

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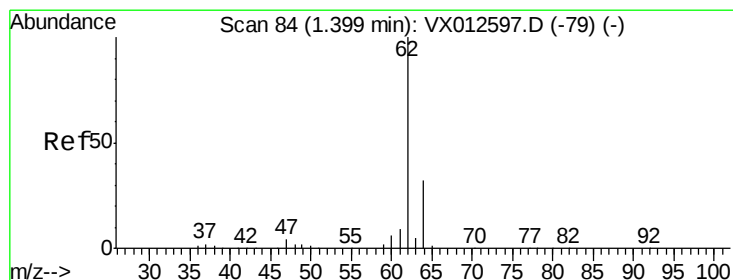
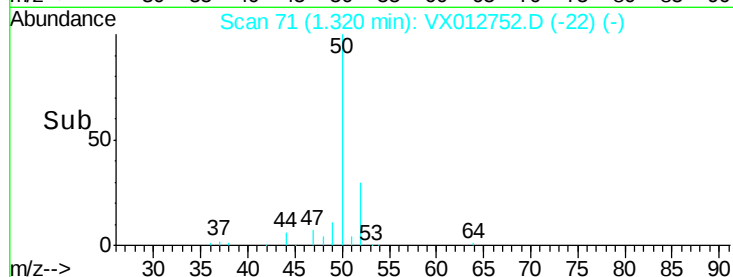
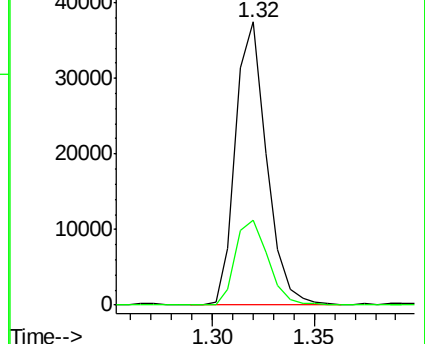
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.755 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012752.D

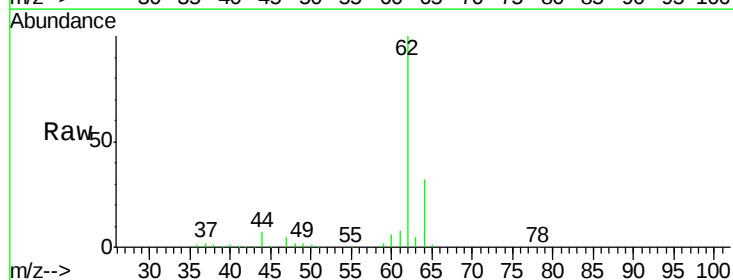
Acq: 02 Oct 2019 11:43

Tgt Ion: 62 Resp: 40118

Ion Ratio Lower Upper

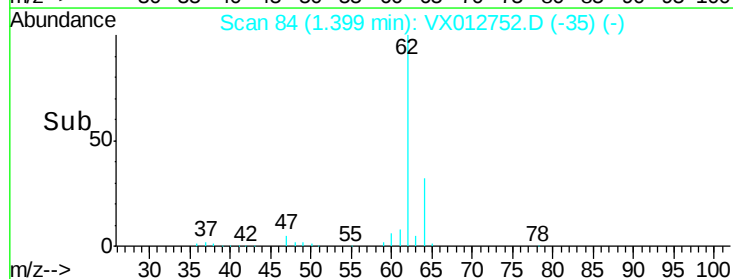
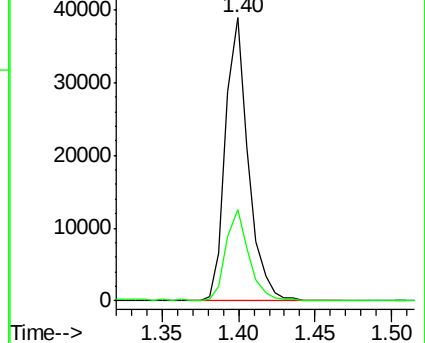
62 100

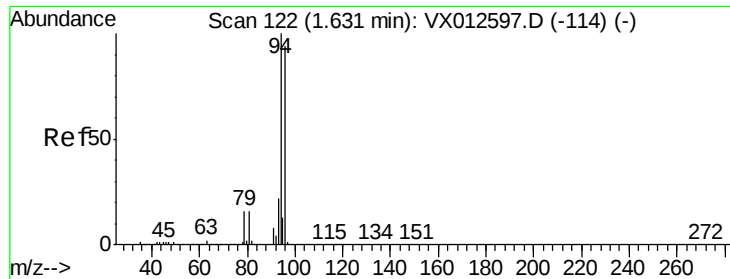
64 32.1 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.983 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBS01

Tot Ion: 94 Resp: 18812

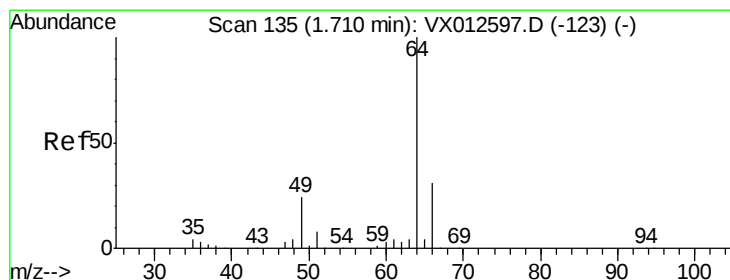
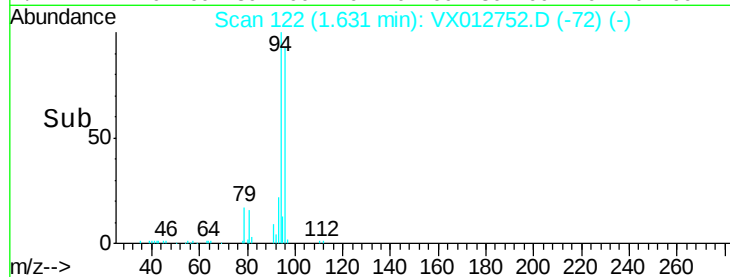
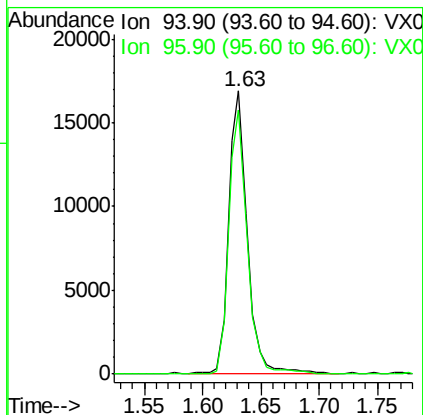
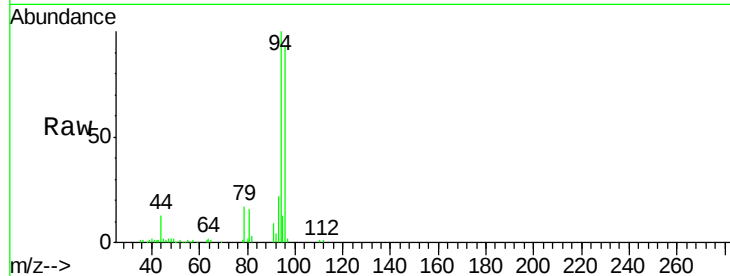
Ion Ratio Lower Upper

94 100

96 93.4 72.8 109.2

Manual Integrations
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10/3/2019 10:50:45 AM



#6

Chloroethane

Concen: 16.487 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012752.D

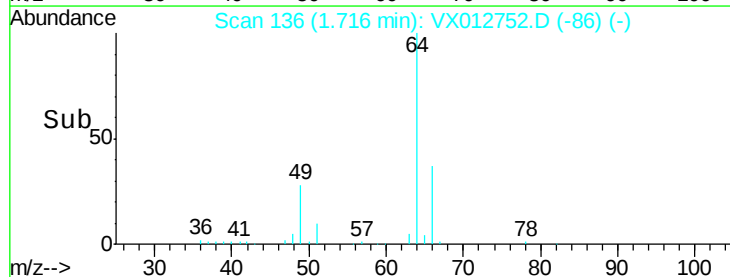
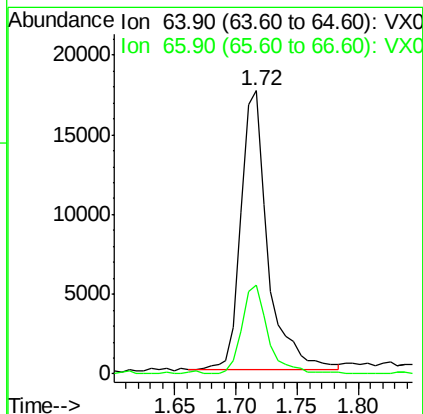
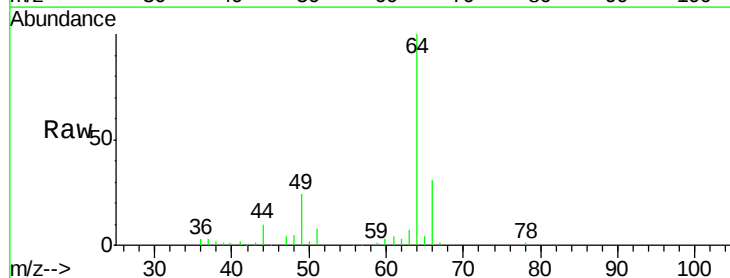
Acq: 02 Oct 2019 11:43

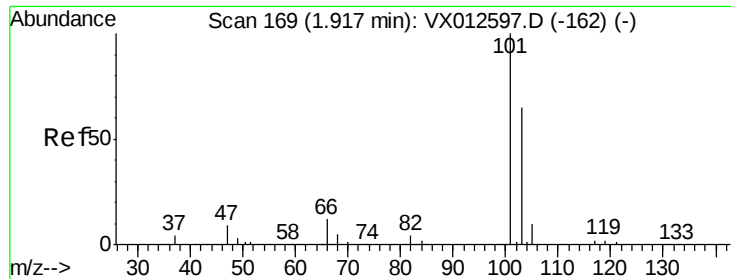
Tgt Ion: 64 Resp: 26613

Ion Ratio Lower Upper

64 100

66 31.5 24.0 36.0





#7

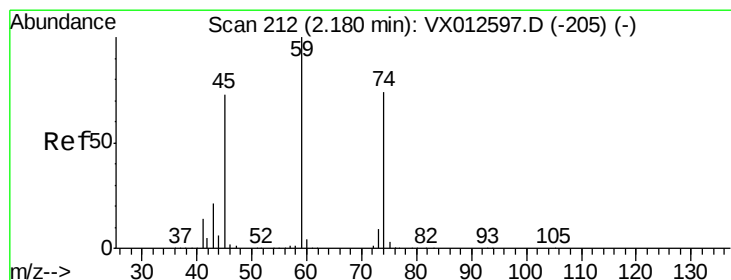
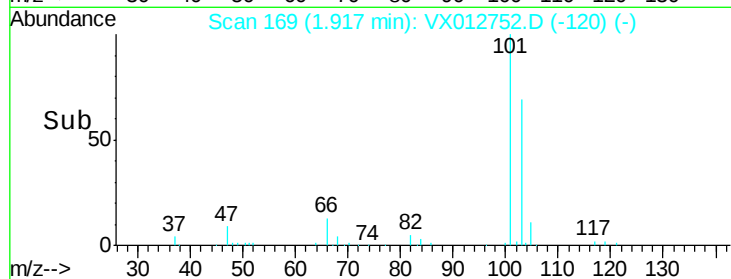
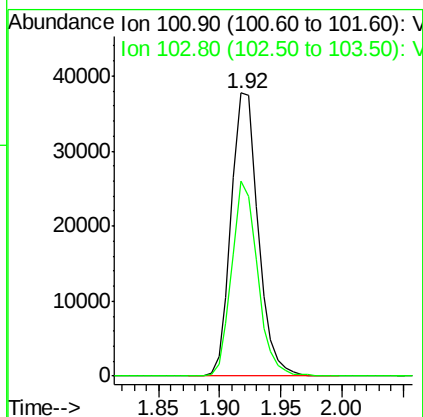
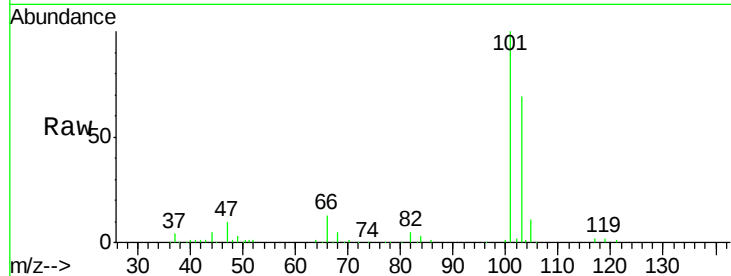
Trichlorofluoromethane
 Concen: 17.150 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

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 VX1002WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	51.0	76.4

Manual Integrations
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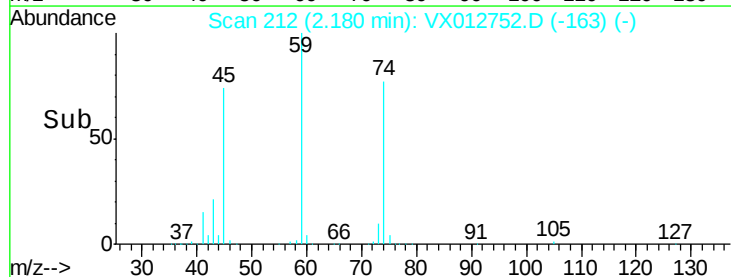
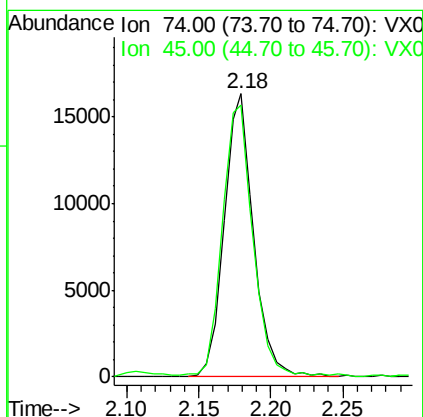
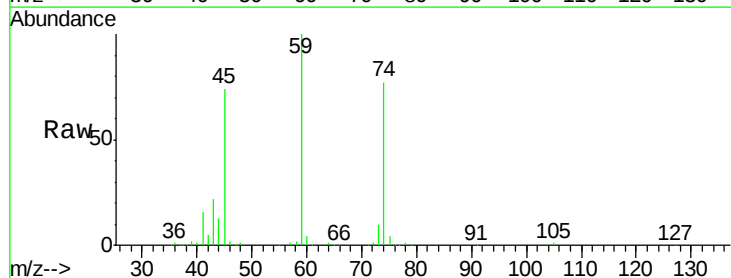
MMDadoda
 10/3/2019 10:50:45 AM

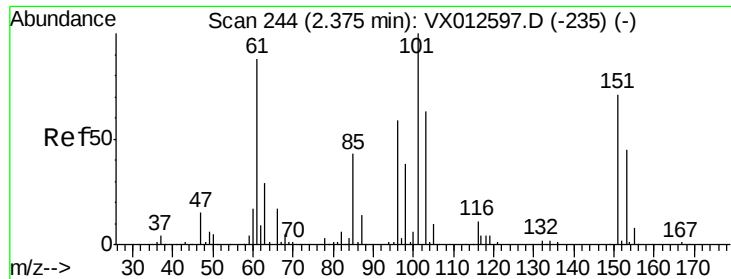


#8

Diethyl Ether
 Concen: 16.896 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	49.9	149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.267 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

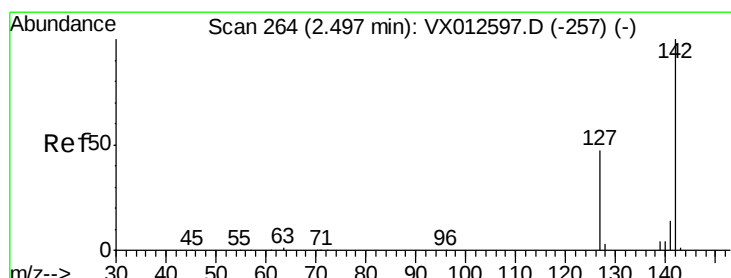
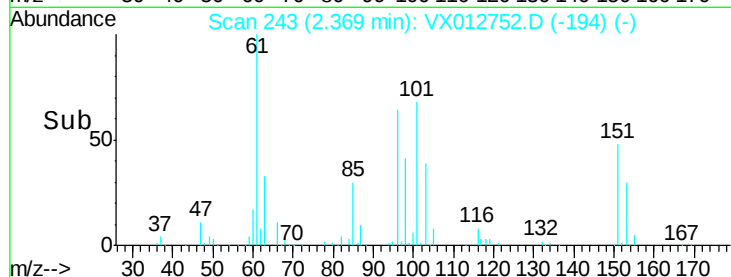
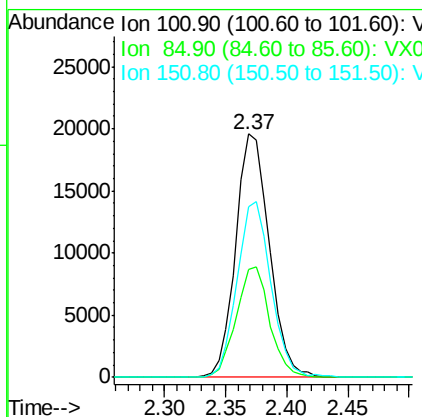
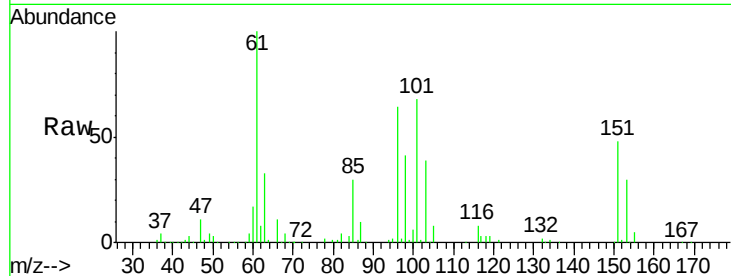
ClientSampled :

VX1002WBS01

Tot Ion:	101	Resp:	37402
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.3	55.9
151	72.7	61.0	91.4

Manual Integrations
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MMDadoda
10/3/2019 10:50:45 AM



#10

Methyl Iodide

Concen: 18.310 ug/l

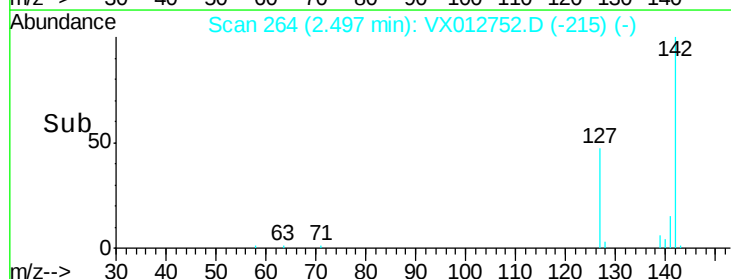
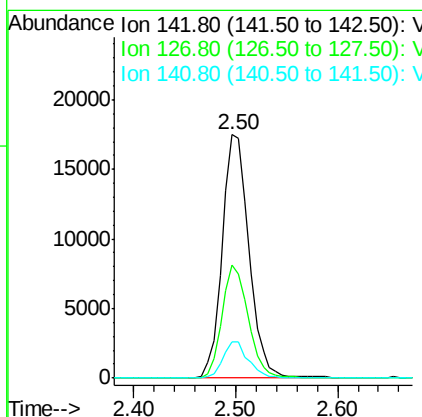
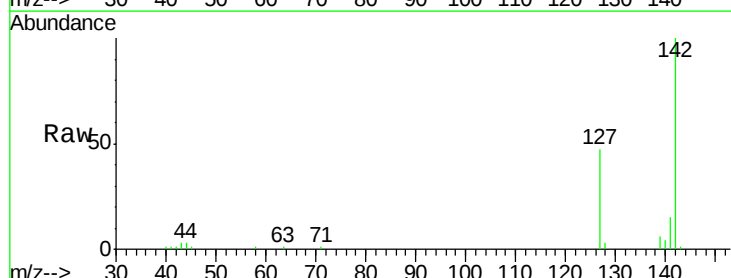
RT: 2.50 min Scan# 264

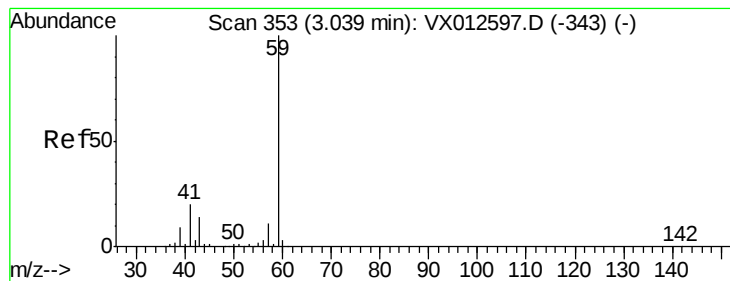
Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion:	142	Resp:	31979
Ion Ratio	Lower	Upper	
142	100		
127	45.4	40.8	61.2
141	14.2	12.1	18.1





#11

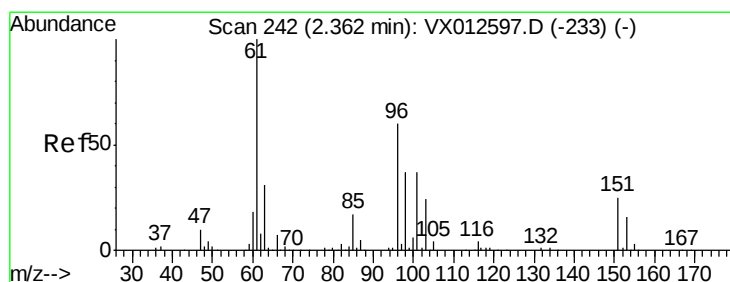
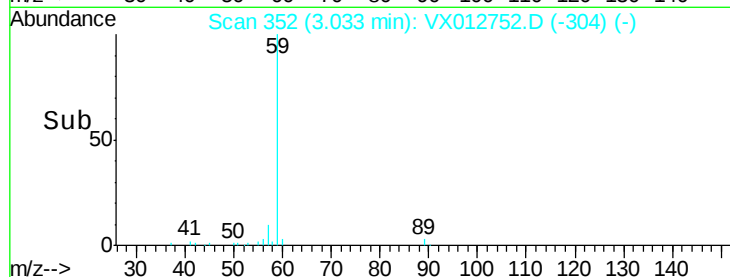
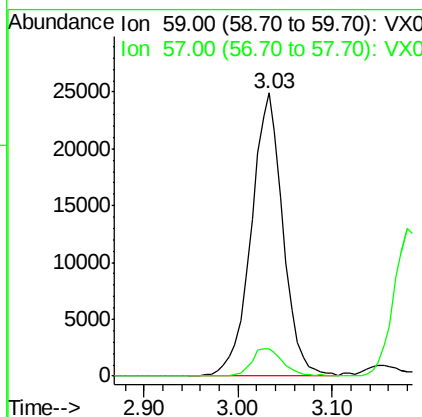
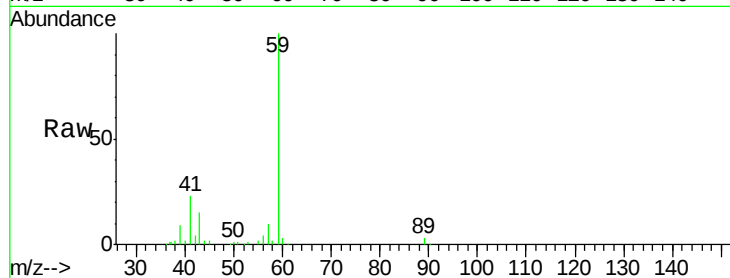
Tert butyl alcohol
Concen: 86.941 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampled :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

Manual Integrations
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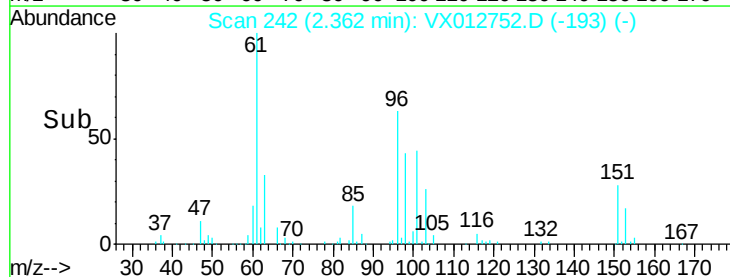
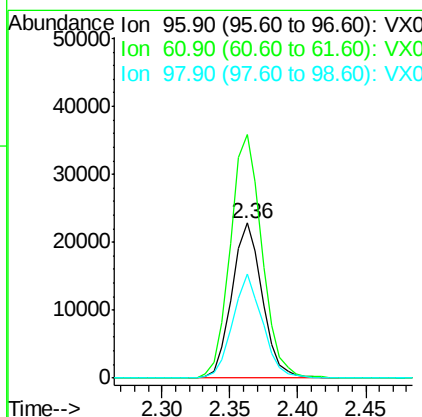
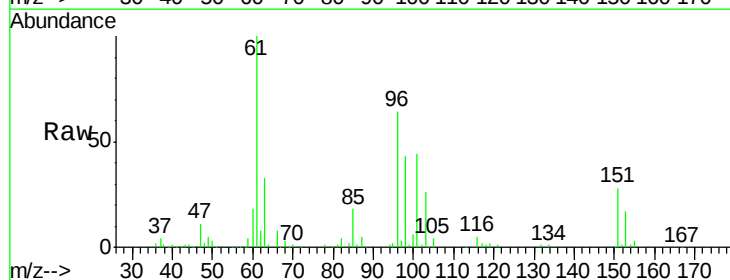
MMDadoda
10/3/2019 10:50:45 AM

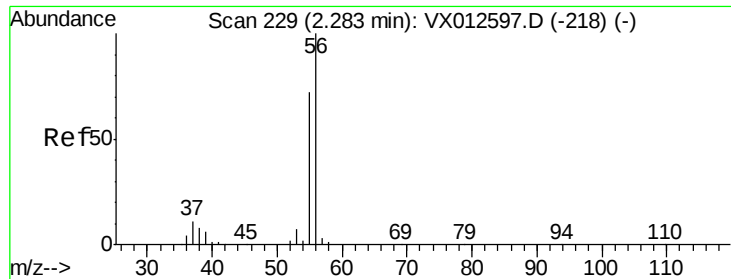


#12

1,1-Dichloroethene
Concen: 17.754 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.2	133.8	200.6
98	67.2	49.9	74.9





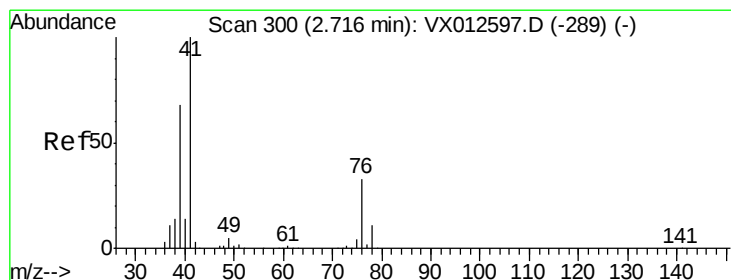
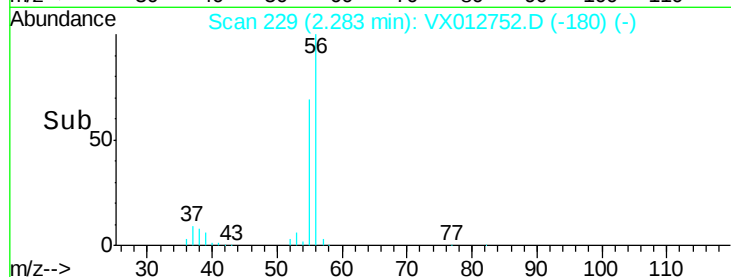
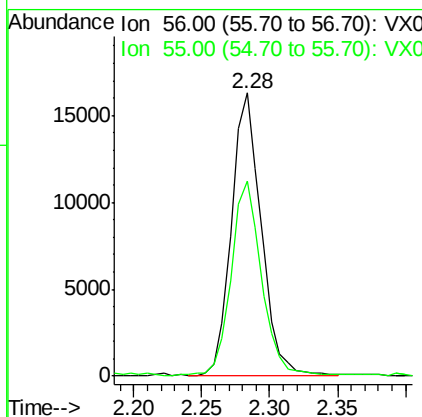
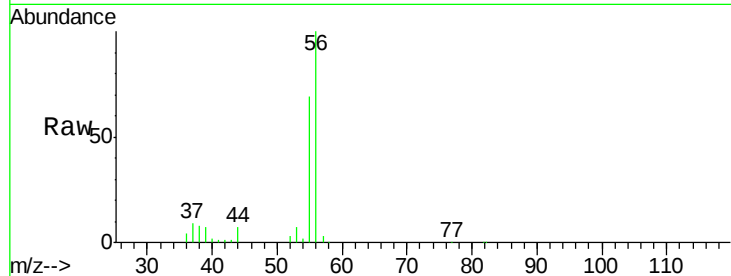
#13
Acrolein
Concen: 72.597 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	56	55	Ratio	100	71.5	Resp	24572	Lower	55.8	Upper	83.8
Ion											

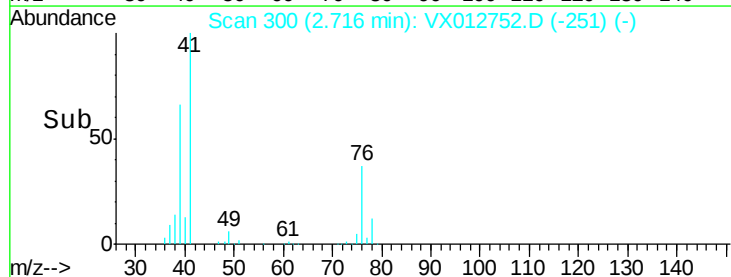
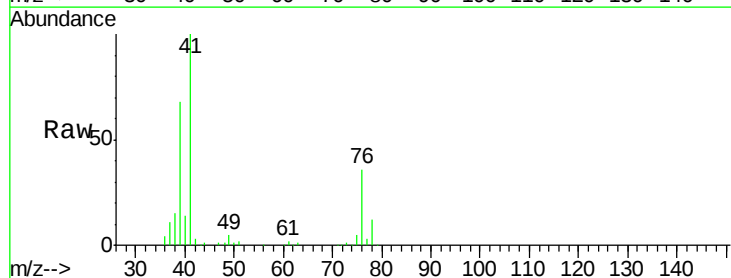
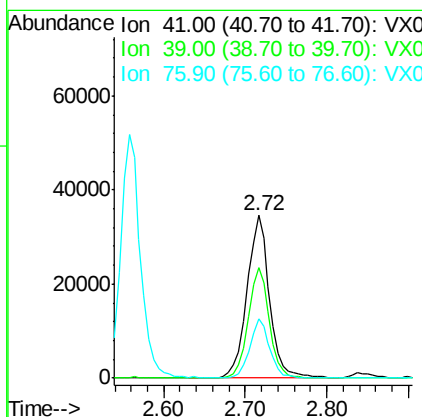
Manual Integrations
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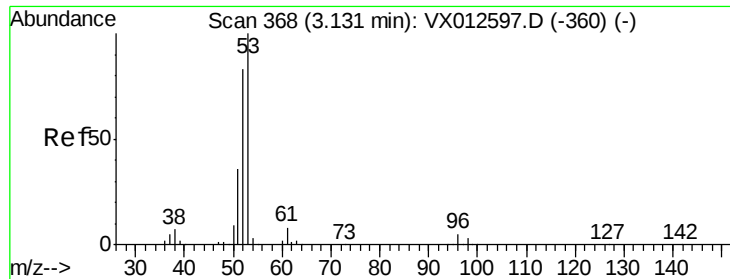
MMDadoda
10/3/2019 10:50:45 AM



#14
Allyl chloride
Concen: 16.688 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	41	39	76	Ratio	100	64.3	32.2	Resp	66381	Lower	51.3	Upper	76.9	33.8
Ion														





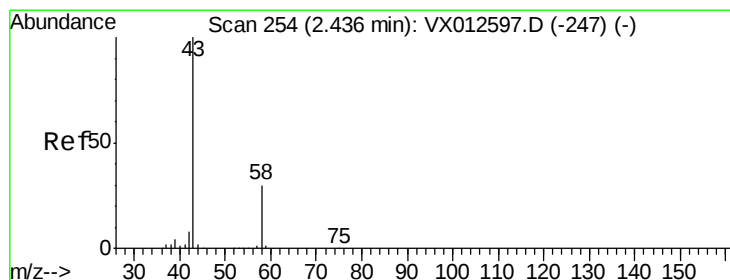
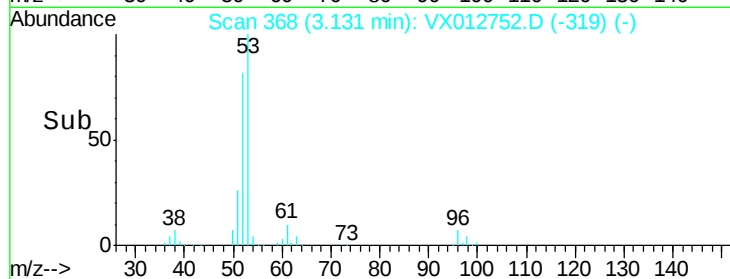
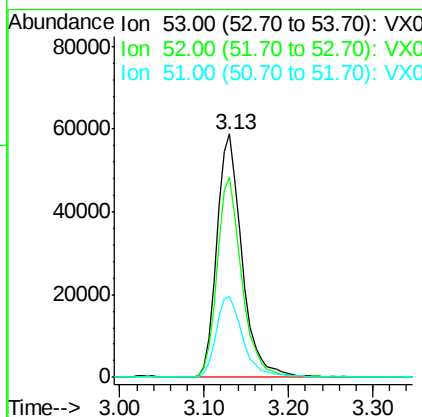
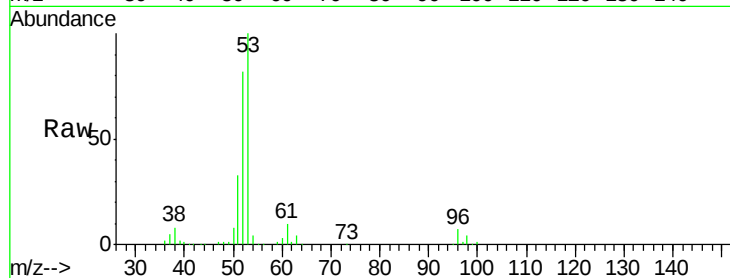
#15
Acrylonitrile
Concen: 88.211 ug/l
RT: 3.13 min Scan# 368
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.3	67.0	100.4
51	35.6	29.6	44.4

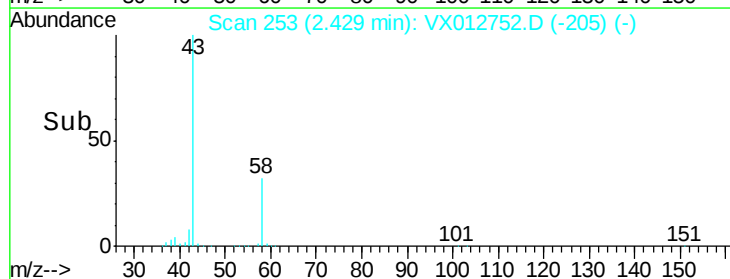
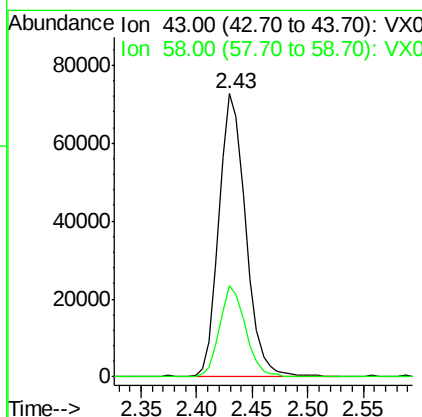
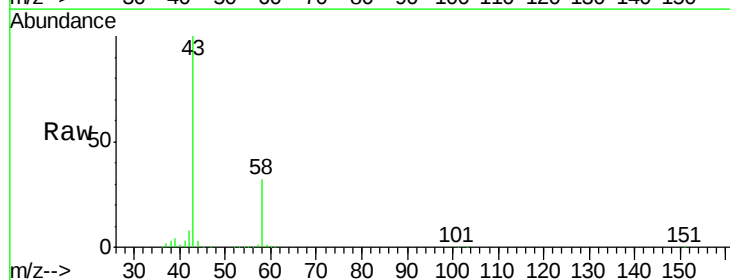
Manual Integrations
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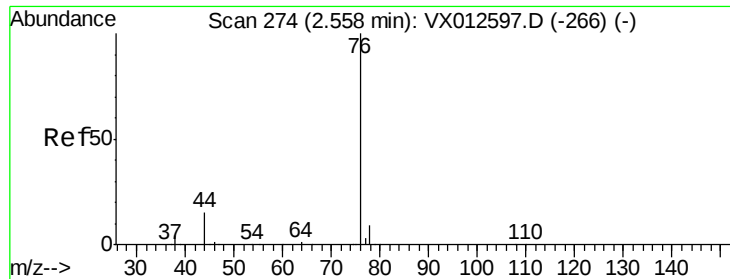
MMDadoda
10/3/2019 10:50:45 AM



#16
Acetone
Concen: 84.192 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.2	23.3	34.9





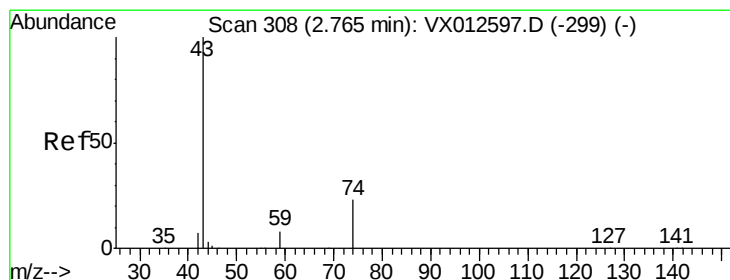
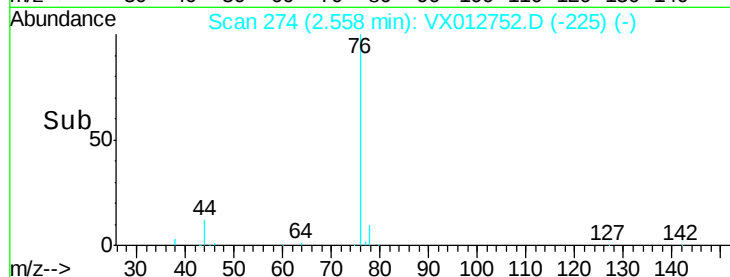
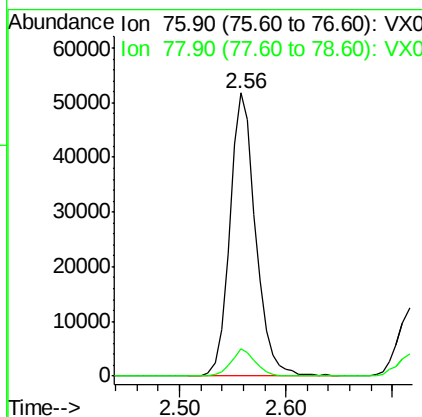
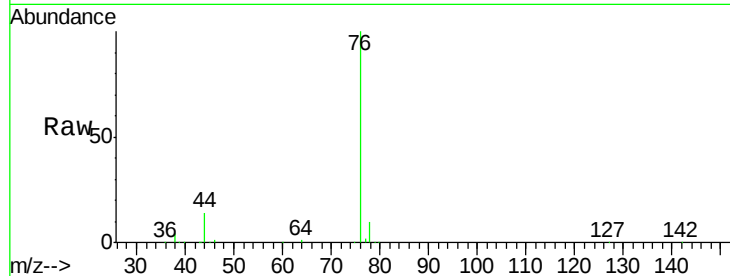
#17
Carbon Disulfide
Concen: 15.614 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

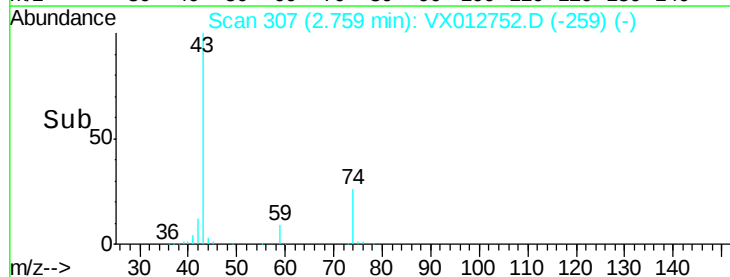
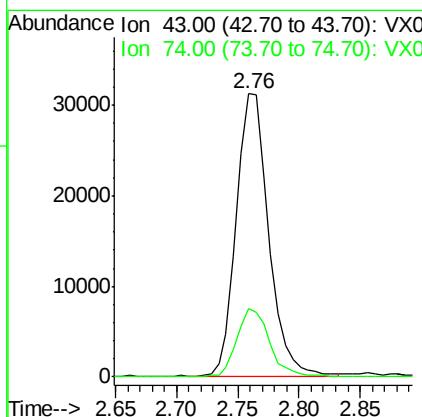
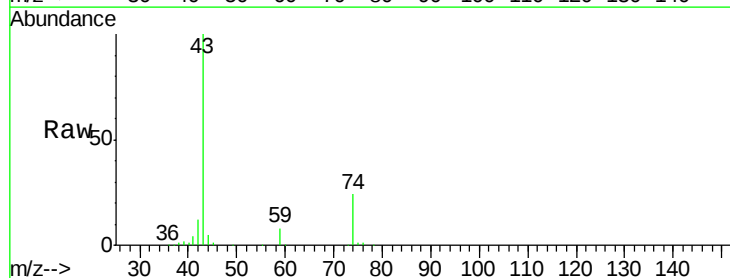
Manual Integrations
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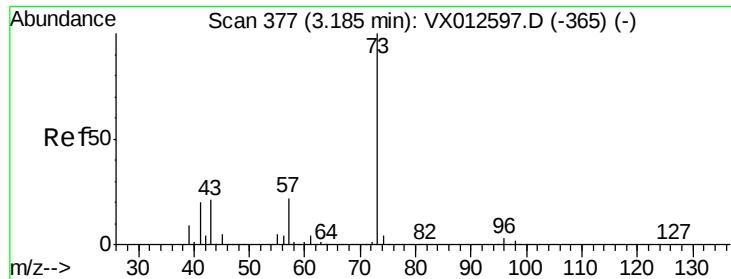
MMDadoda
10/3/2019 10:50:45 AM



#18
Methyl Acetate
Concen: 16.956 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	17.7	26.5





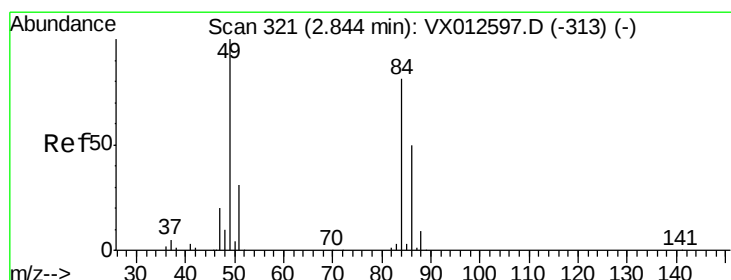
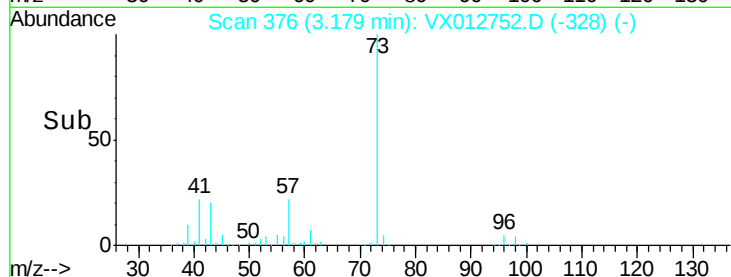
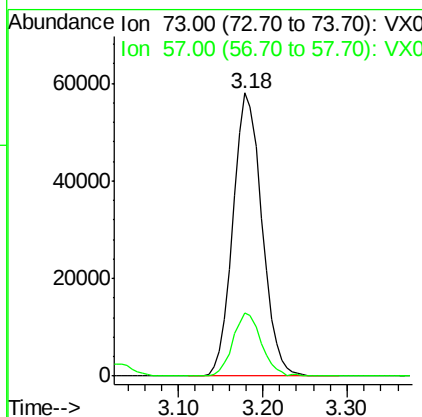
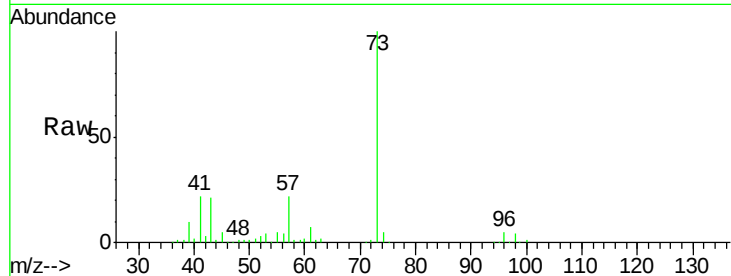
#19
Methvl tert-butvl Ether
Concen: 17.744 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion: 73 Resp: 134659
Ion Ratio Lower Upper
73 100
57 22.4 16.8 25.2

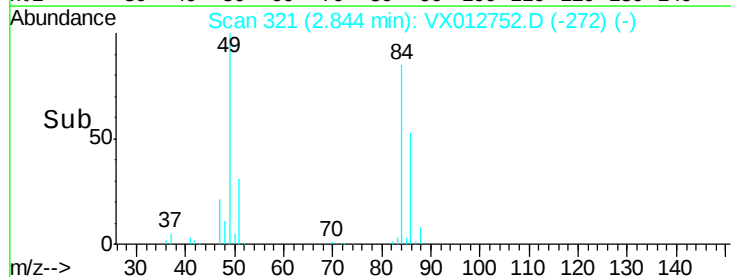
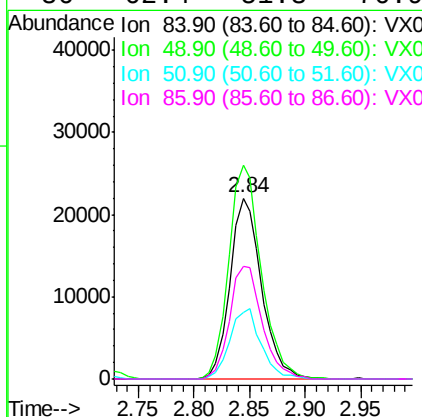
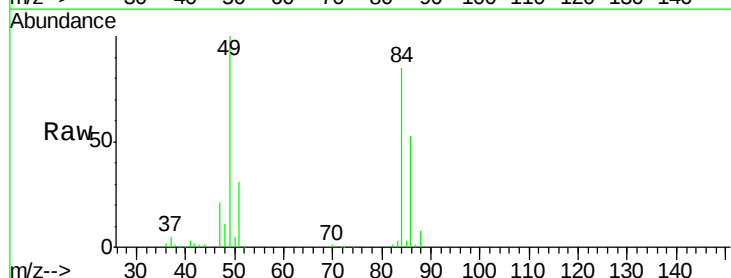
Manual Integrations
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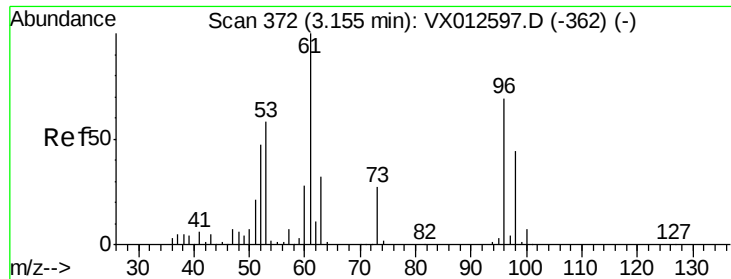
MMDadoda
10/3/2019 10:50:45 AM



#20
Methylene Chloride
Concen: 17.738 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion: 84 Resp: 43152
Ion Ratio Lower Upper
84 100
49 118.0 106.8 160.2
51 36.6 32.3 48.5
86 62.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 17.959 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

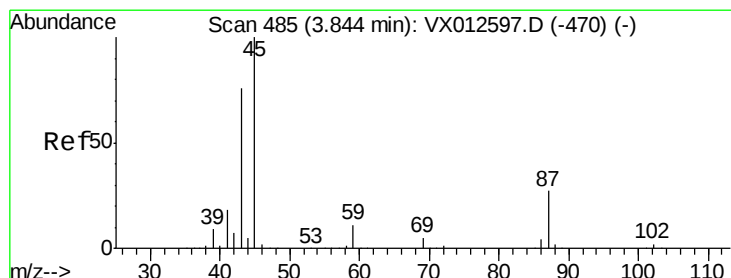
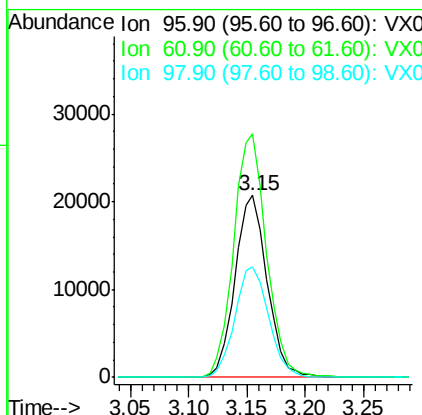
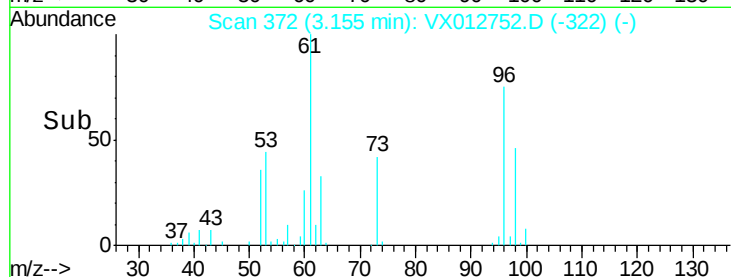
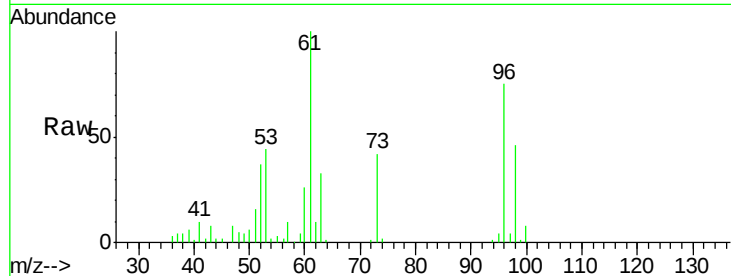
ClientSampleId :

VX1002WBS01

Tot Ion:	96	Resp:	39891
Ion	Ratio	Lower	Upper
96	100		
61	133.9	112.0	168.0
98	61.0	47.8	71.8

Manual Integrations
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MMDadoda
10/3/2019 10:50:45 AM



#22

Diisopropyl ether

Concen: 17.598 ug/l

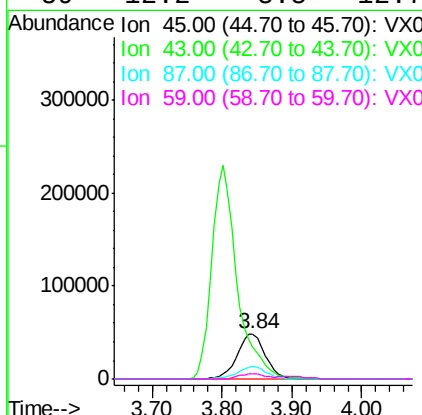
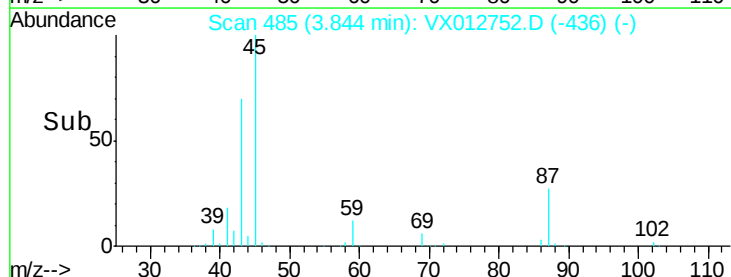
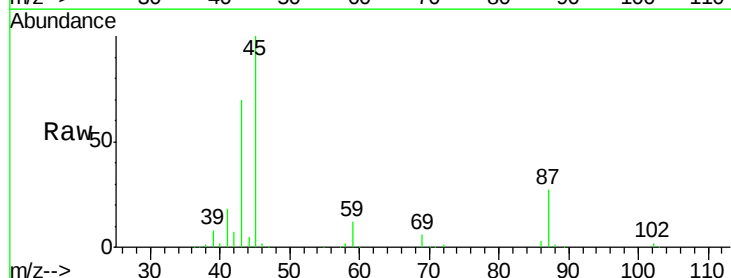
RT: 3.84 min Scan# 485

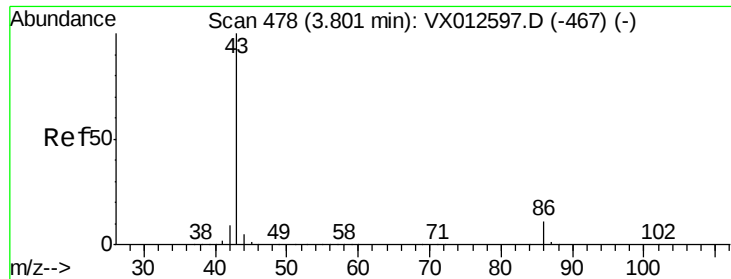
Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion:	45	Resp:	135261
Ion	Ratio	Lower	Upper
45	100		
43	69.0	57.8	86.8
87	27.2	21.3	31.9
59	12.2	8.5	12.7





#23

Vinyl Acetate

Concen: 86.183 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBS01

Tot Ion: 43 Resp: 580919

Ion Ratio Lower Upper

43 100

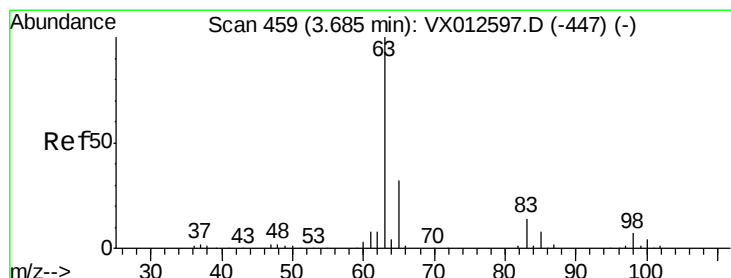
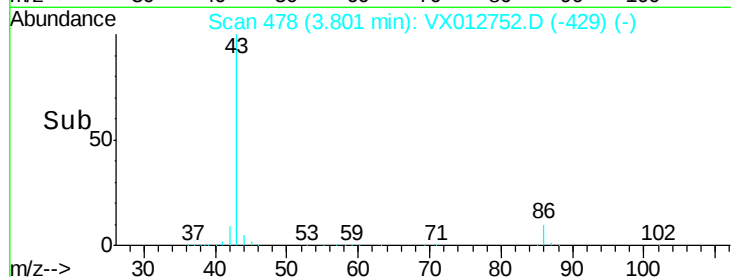
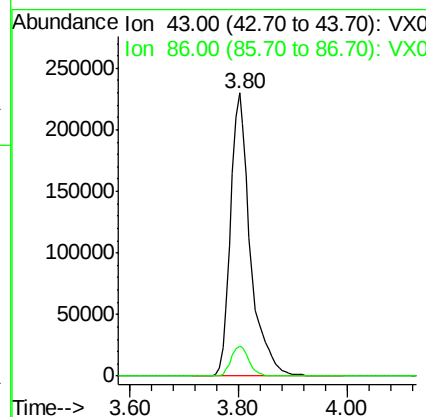
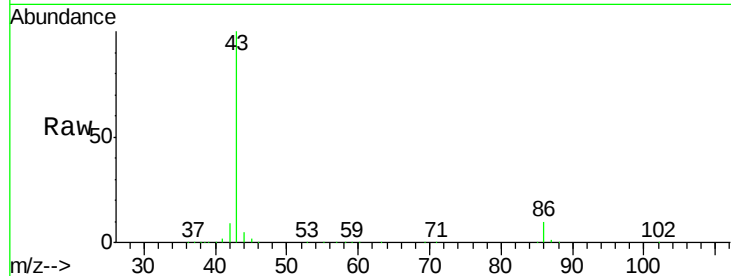
86 10.5 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

10/3/2019 10:50:45 AM



#24

1,1-Dichloroethane

Concen: 17.668 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

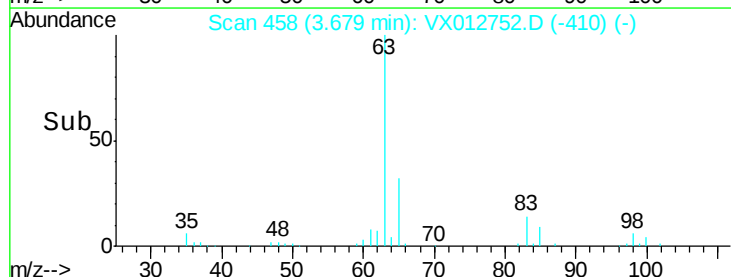
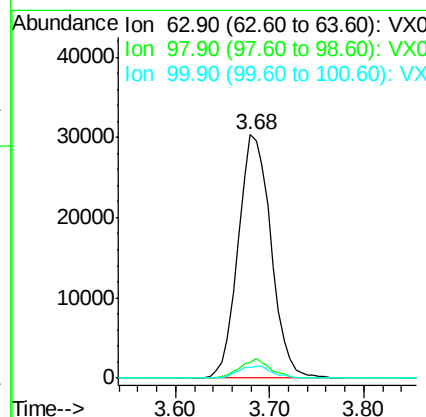
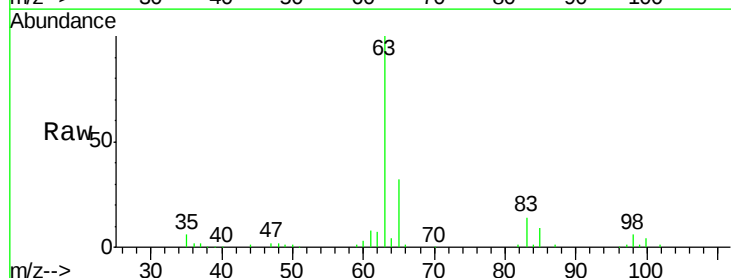
Tgt Ion: 63 Resp: 73818

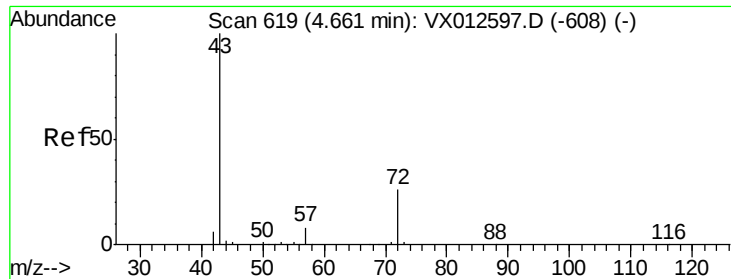
Ion Ratio Lower Upper

63 100

98 6.3 3.9 11.7

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 83.840 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBS01

Tot Ion: 43 Resp: 172909

Ion Ratio Lower Upper

43 100

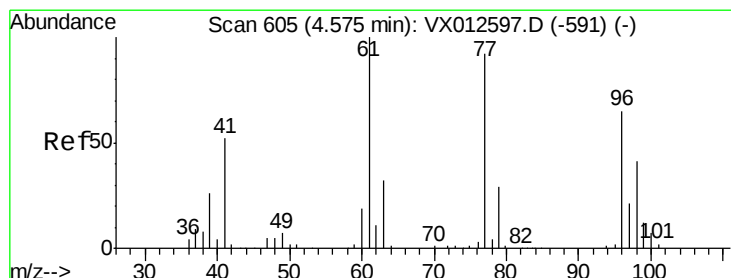
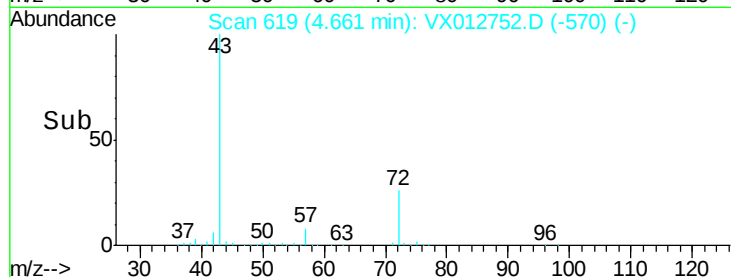
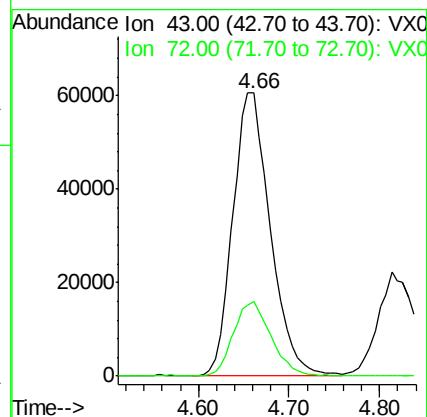
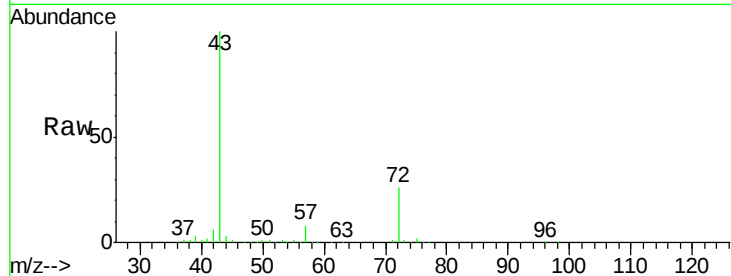
72 26.1 19.2 28.8

Manual Integrations

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MMDadoda

10/3/2019 10:50:45 AM



#26

2,2-Dichloropropane

Concen: 16.689 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012752.D

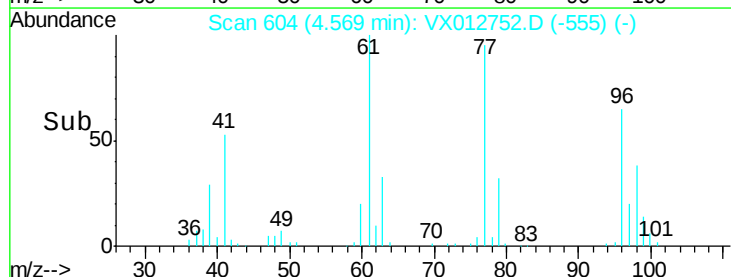
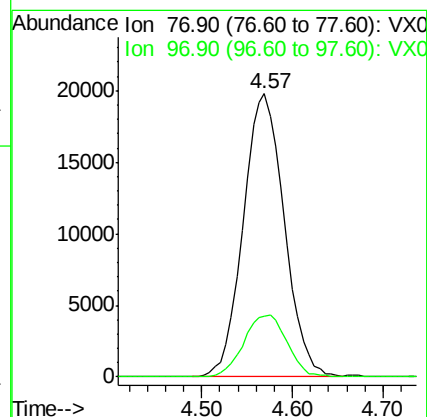
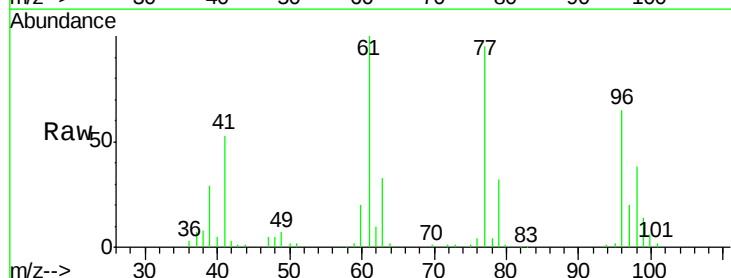
Acq: 02 Oct 2019 11:43

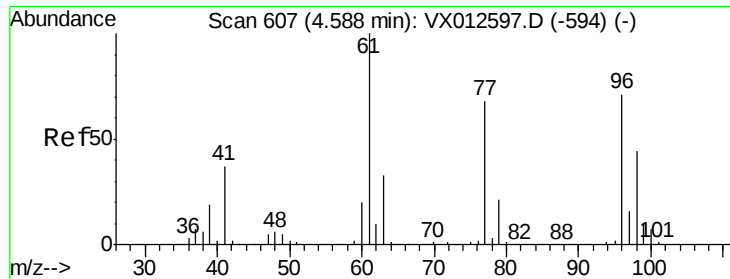
Tgt Ion: 77 Resp: 62016

Ion Ratio Lower Upper

77 100

97 23.0 10.5 31.6





#27

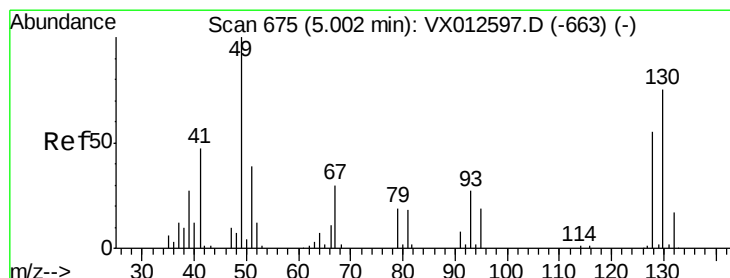
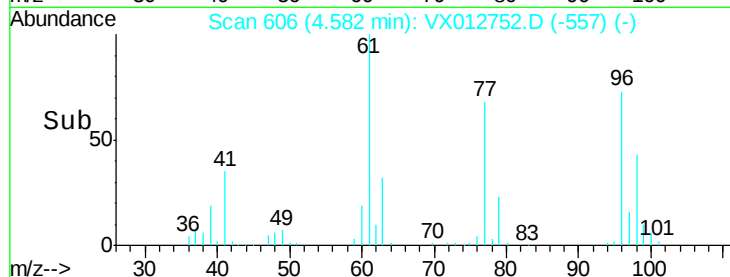
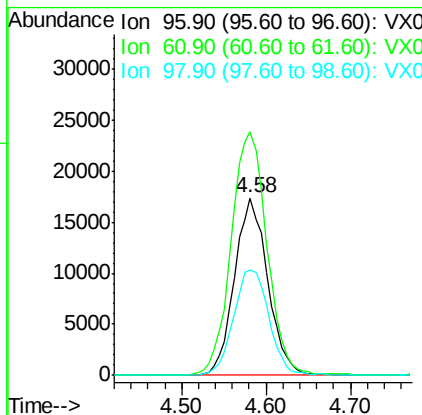
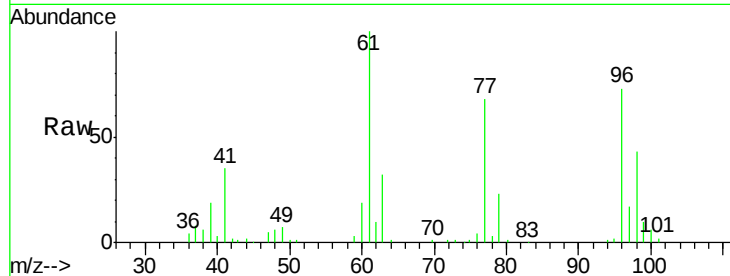
cis-1,2-Dichloroethene
Concen: 17.950 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	319.4
98	63.4	0.0	130.6

Manual Integrations
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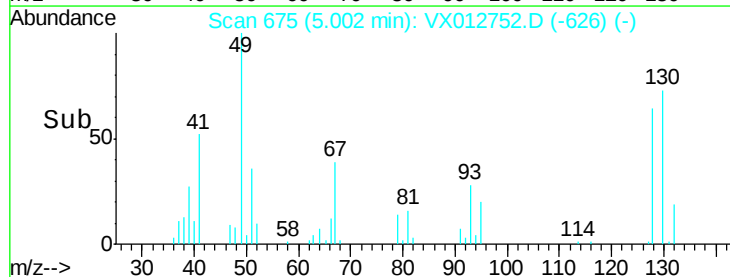
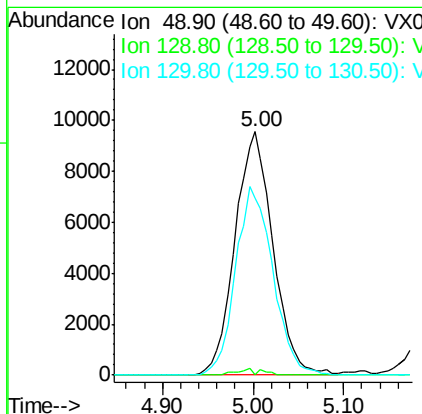
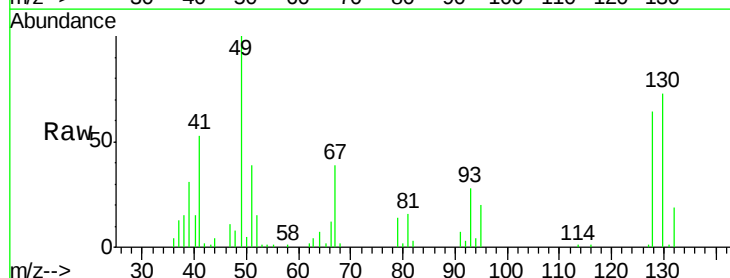
MMDadoda
10/3/2019 10:50:45 AM

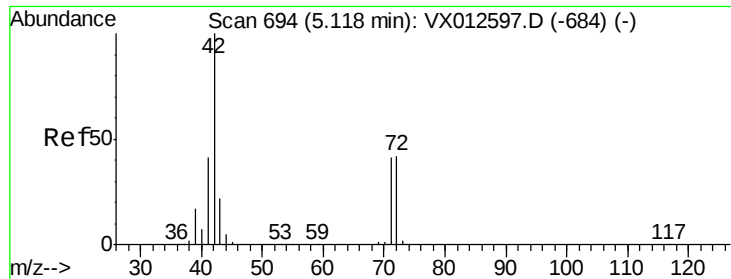


#28

Bromochloromethane
Concen: 18.396 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.8
130	0.0	58.2	87.4#





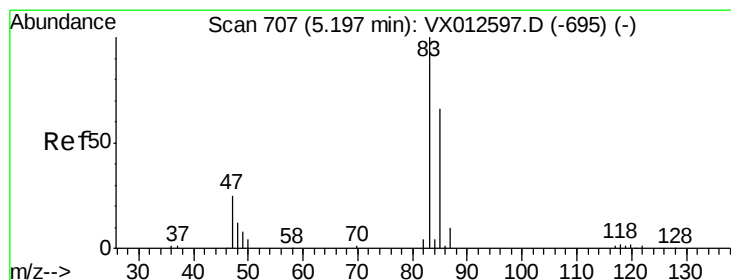
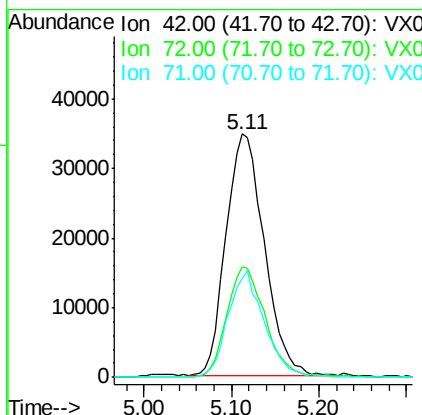
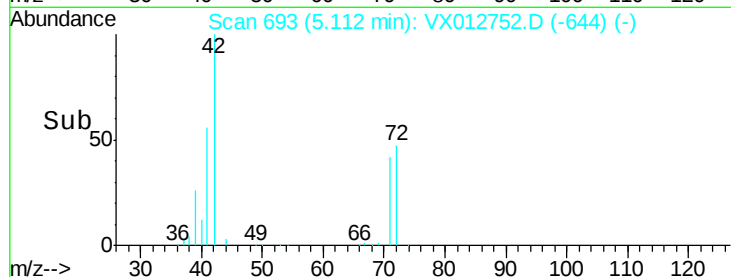
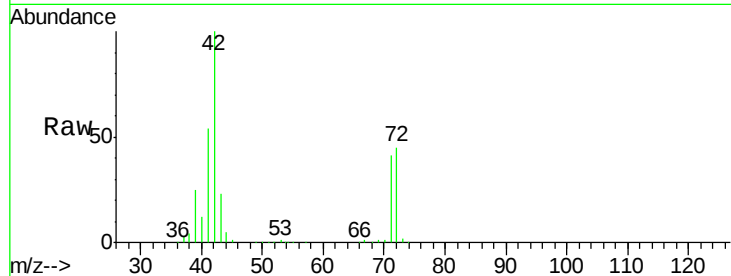
#29
Tetrahydrofuran
Concen: 84.164 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	34.0	51.0
71	41.7	31.5	47.3

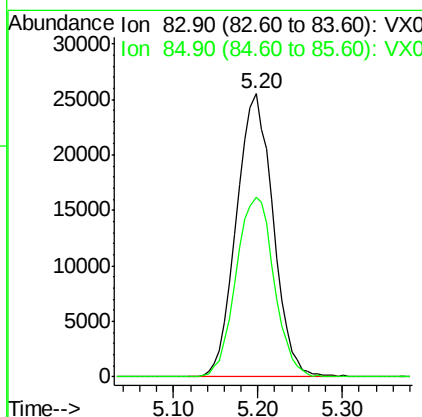
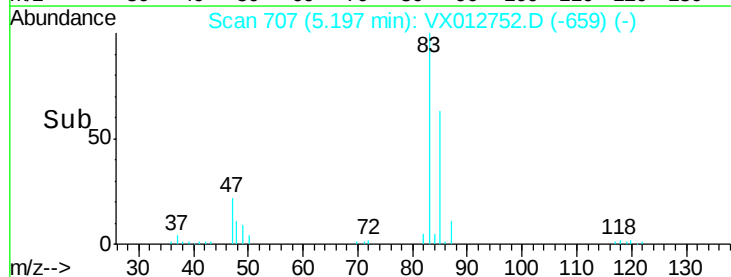
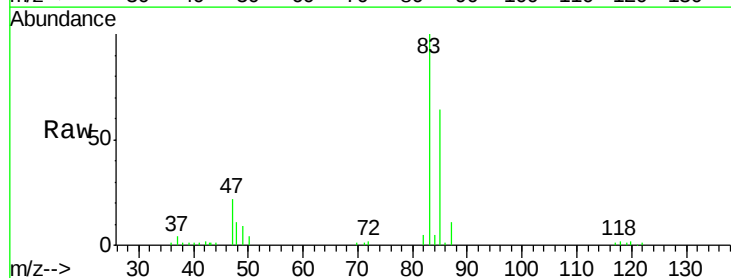
Manual Integrations
APPROVED

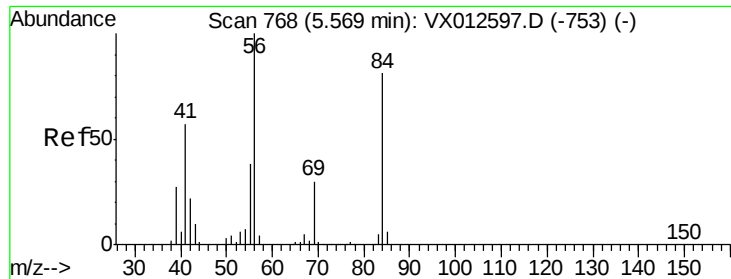
MMDadoda
10/3/2019 10:50:45 AM



#30
Chloroform
Concen: 17.632 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.0	79.4





#31

Cyclohexane

Concen: 17.301 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

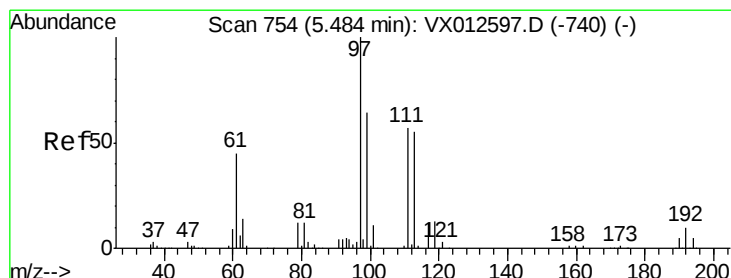
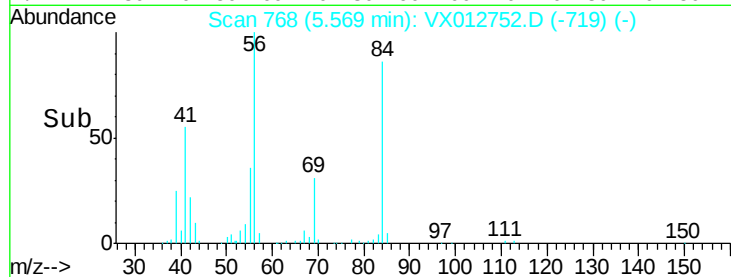
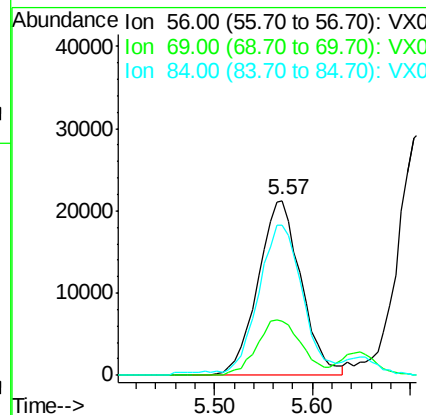
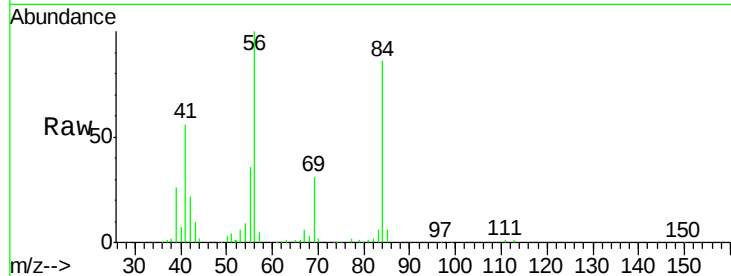
ClientSampleId :

VX1002WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	25.0	37.6
84	84.6	66.4	99.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.687 ug/l

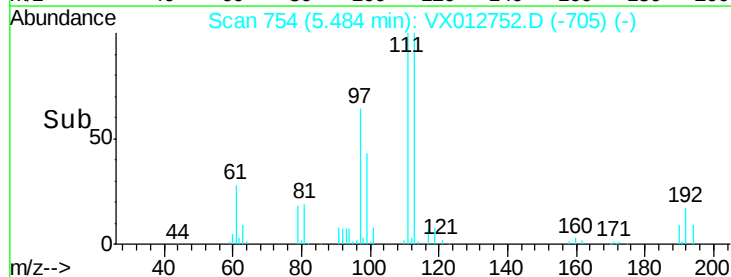
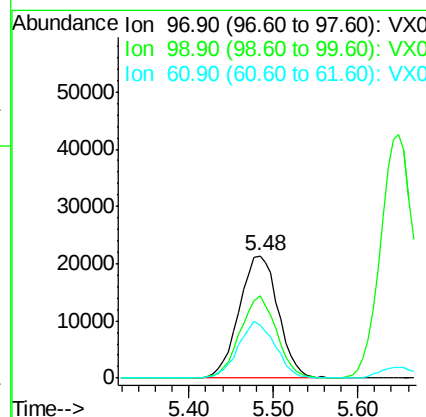
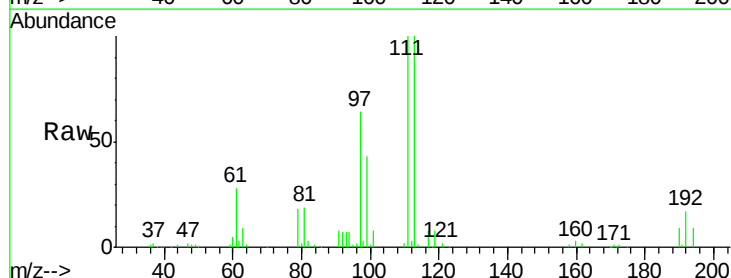
RT: 5.48 min Scan# 754

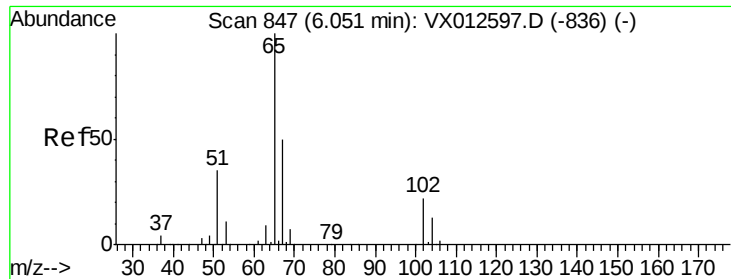
Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.3	76.9
61	44.0	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 45.302 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampled :

VX1002WBS01

Tot Ion: 65 Resp: 123018

Ion Ratio Lower Upper

65 100

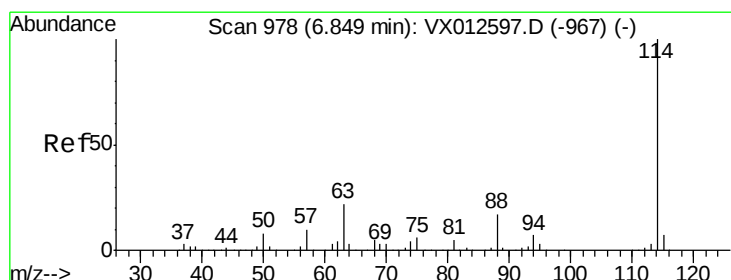
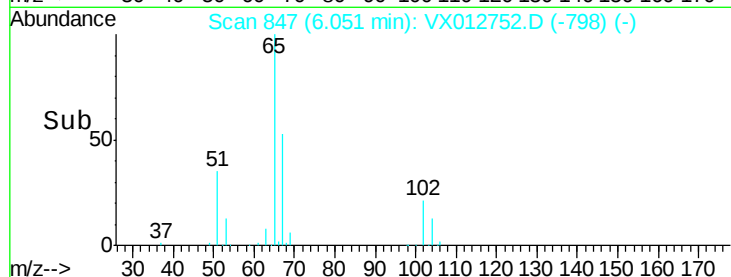
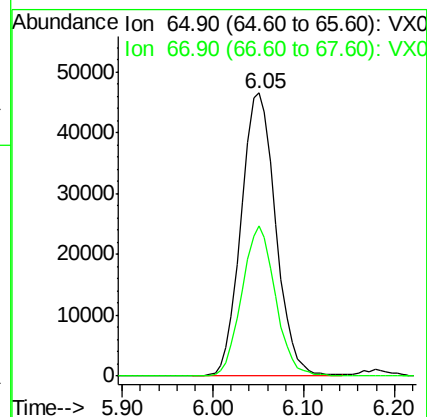
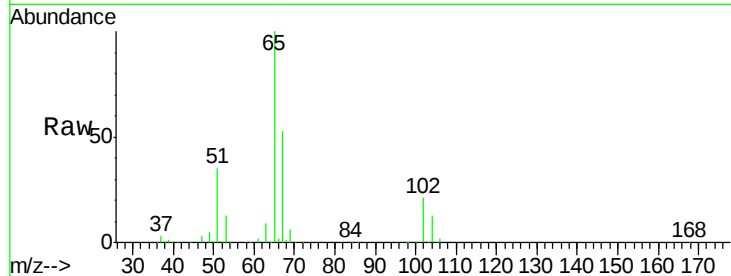
67 51.4 0.0 101.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

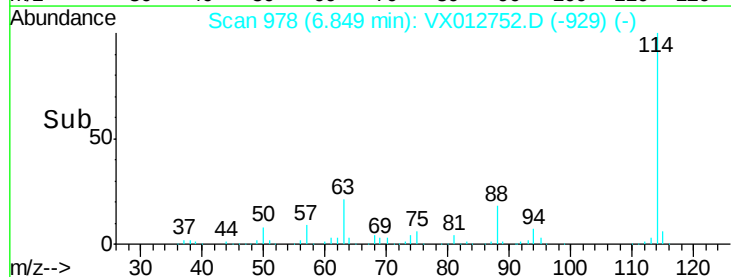
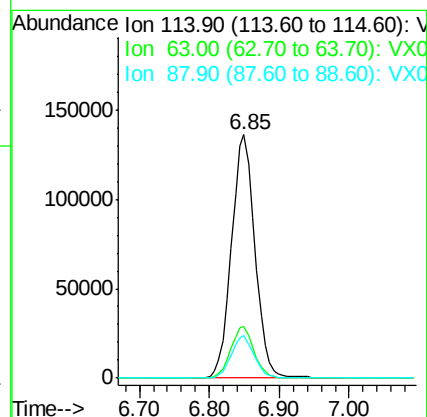
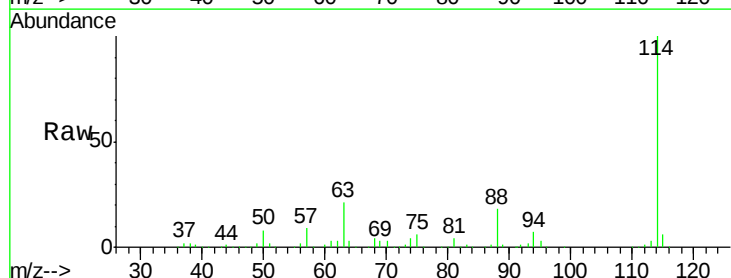
Tgt Ion: 114 Resp: 317666

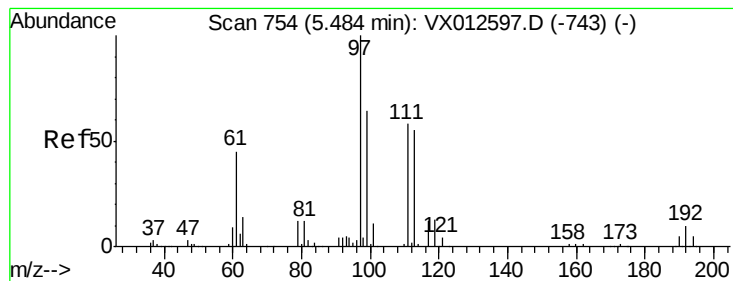
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 17.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.342 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

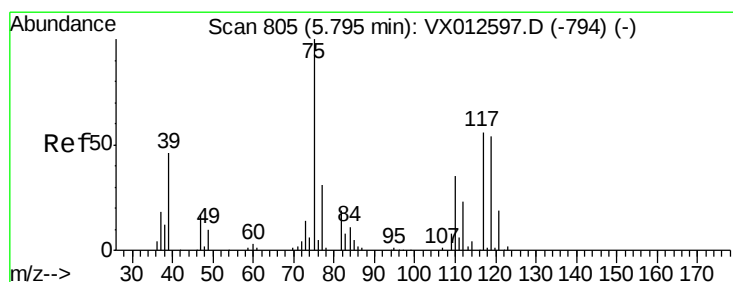
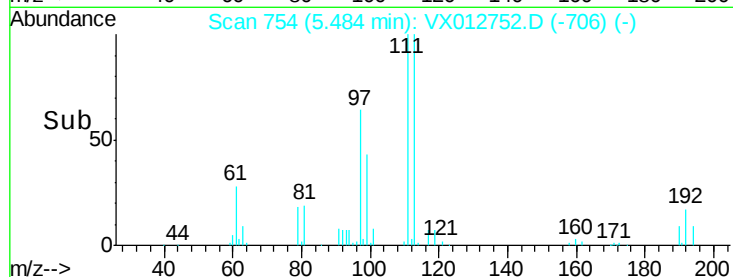
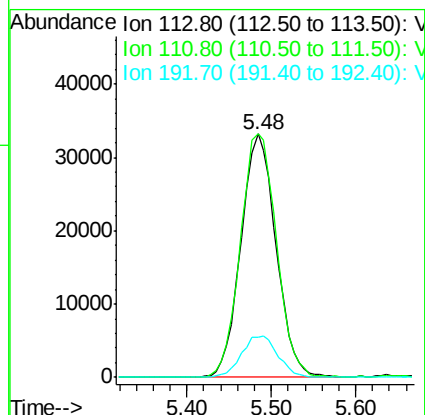
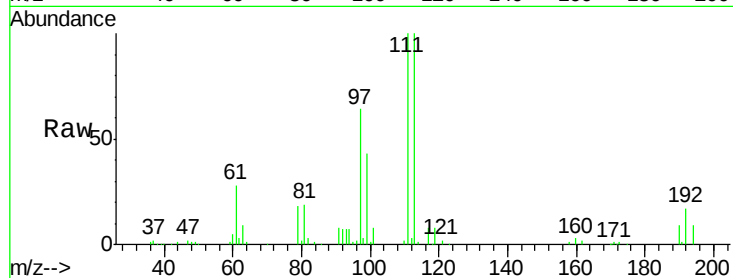
ClientSampleId :

VX1002WBS01

Tot Ion:	113	Resp:	93347
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.4	125.2
192	17.7	14.4	21.6

Manual Integrations
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10/3/2019 10:50:45 AM



#36

1,1-Dichloropropene

Concen: 17.806 ug/l

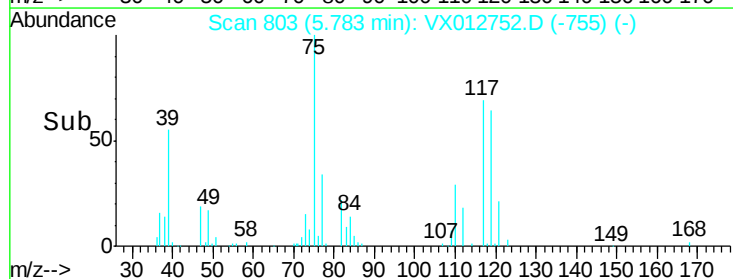
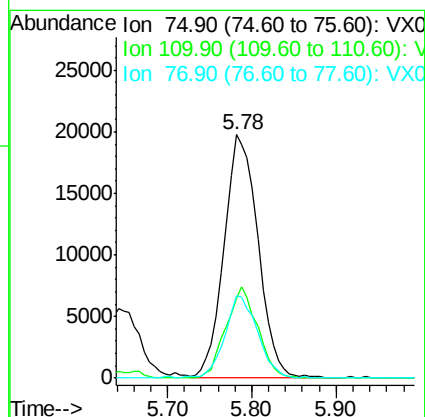
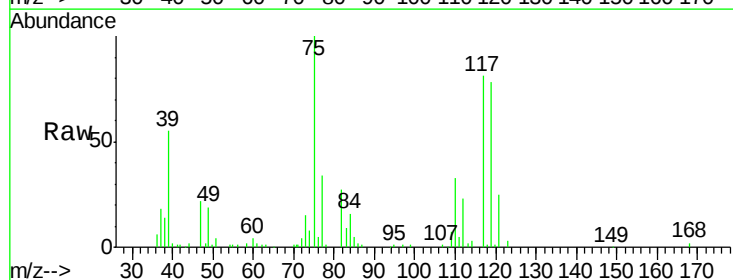
RT: 5.78 min Scan# 803

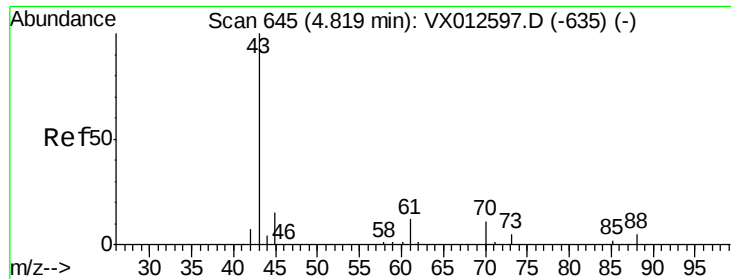
Delta R.T. -0.01 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion:	75	Resp:	54520
Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.7	50.0
77	32.7	24.2	36.2





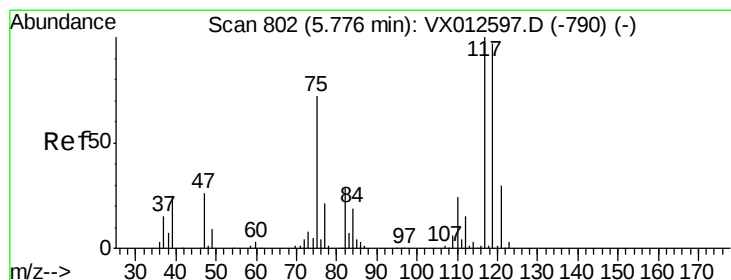
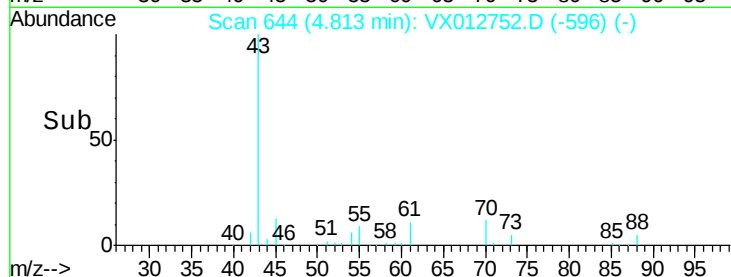
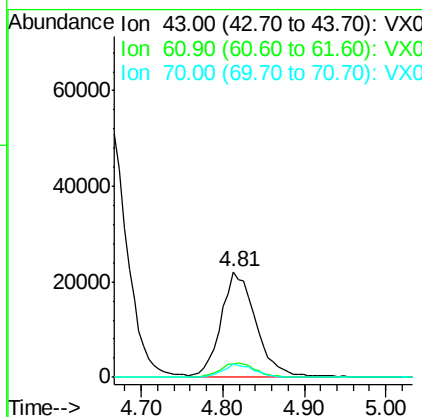
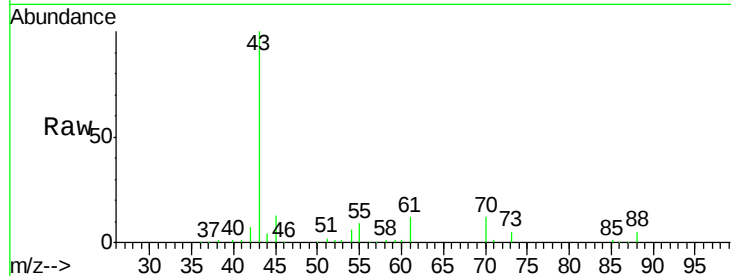
#37
Ethyl Acetate
Concen: 17.877 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.2	15.4
70	11.5	8.7	13.1

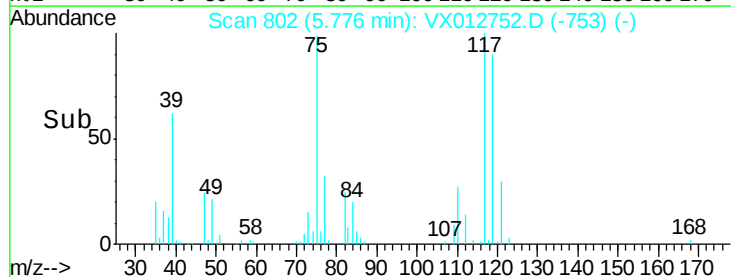
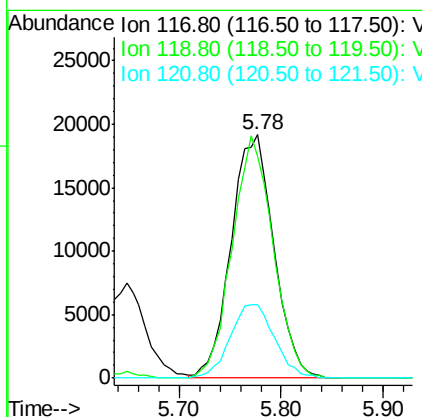
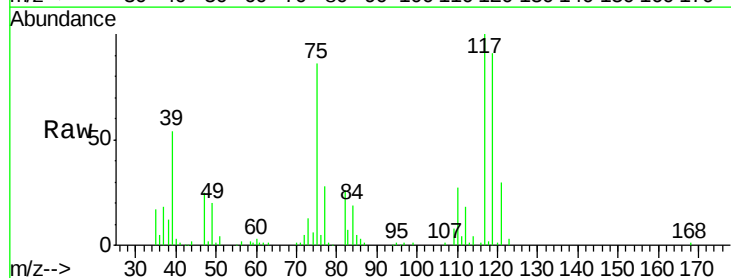
Manual Integrations
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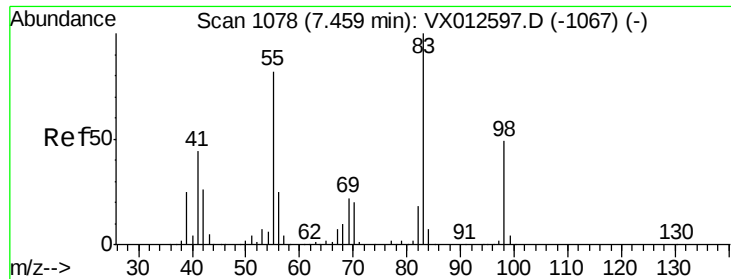
MMDadoda
10/3/2019 10:50:45 AM



#38
Carbon Tetrachloride
Concen: 17.887 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	75.7	113.5
121	30.2	24.2	36.4





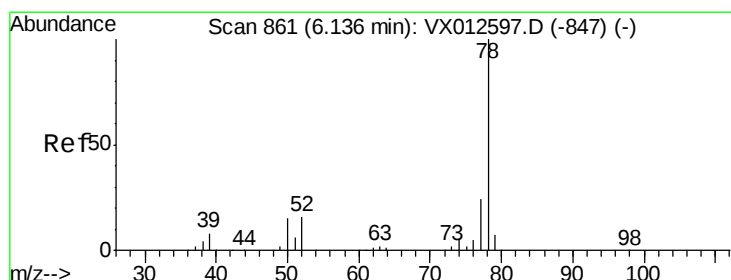
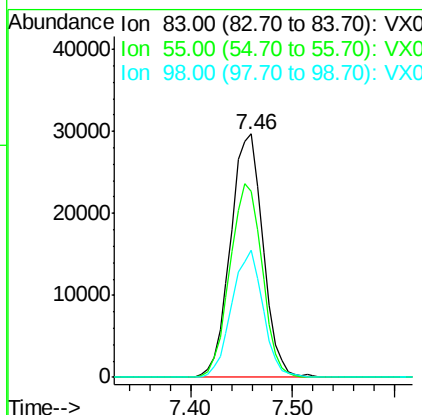
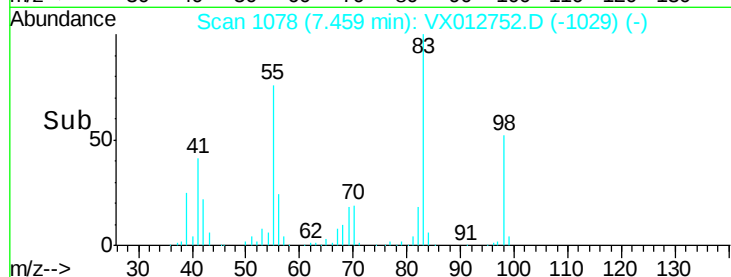
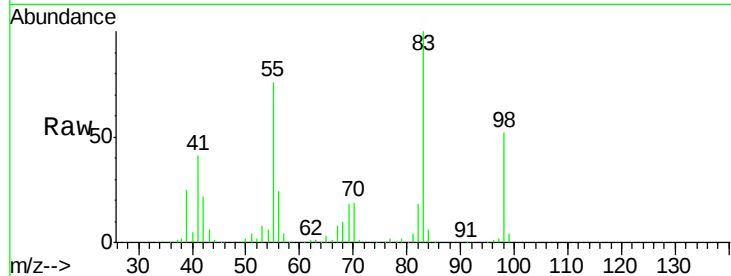
#39
Methvlcvclohexane
Concen: 17.811 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	64.4	96.6
98	52.3	40.1	60.1

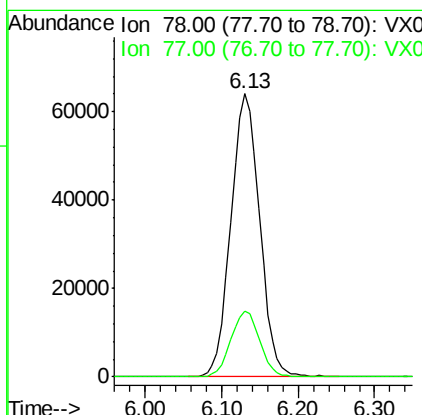
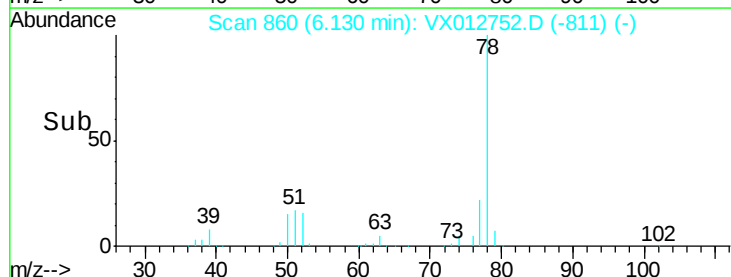
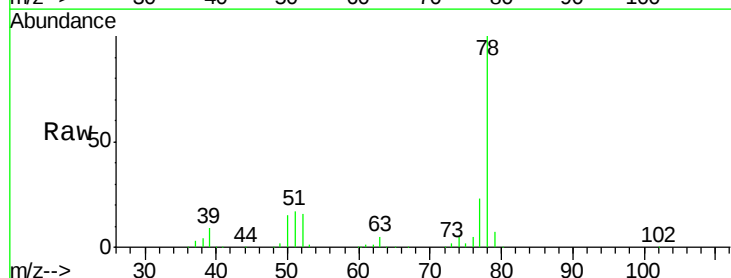
Manual Integrations
APPROVED

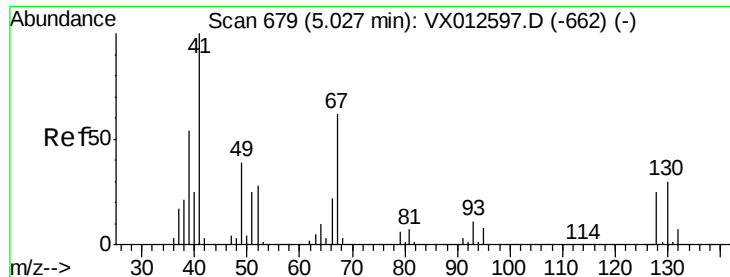
MMDadoda
10/3/2019 10:50:45 AM



#40
Benzene
Concen: 18.569 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





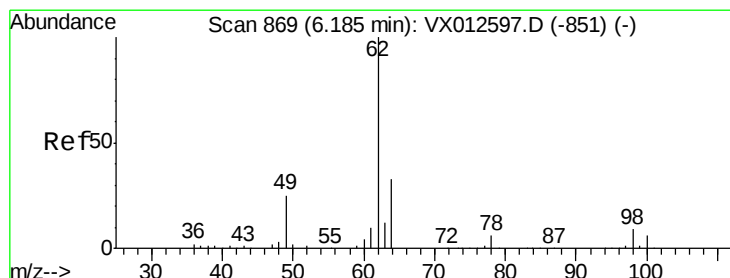
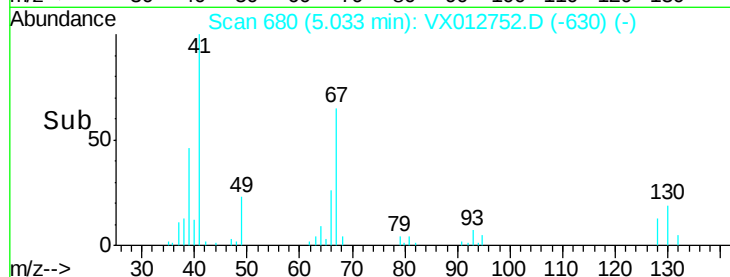
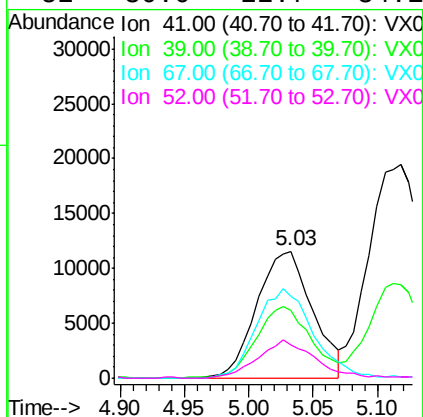
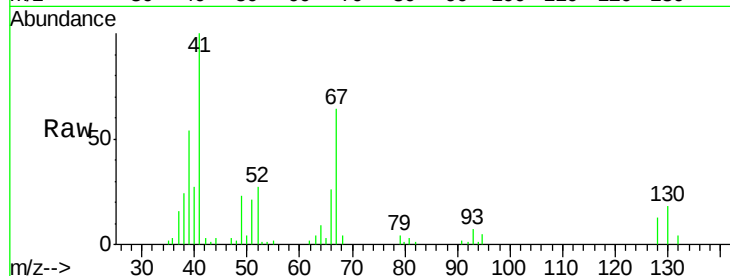
#41
Methacrylonitrile
Concen: 17.291 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	46.0	69.0	
67	72.8	52.2	78.2	
52	30.0	22.7	34.1	

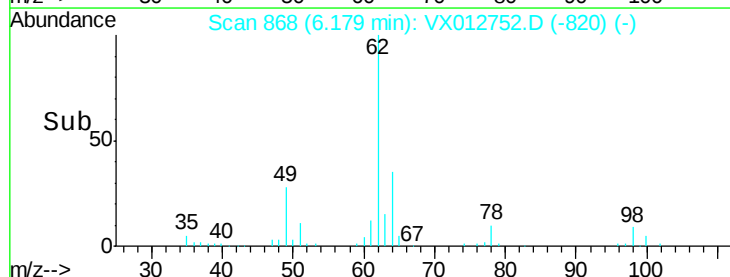
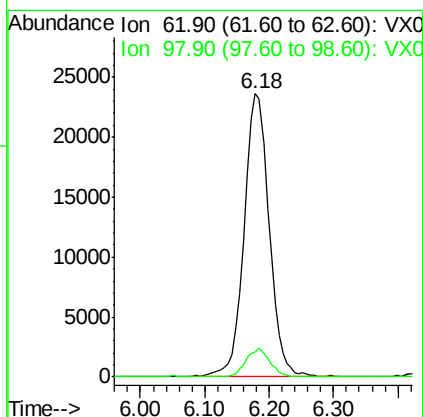
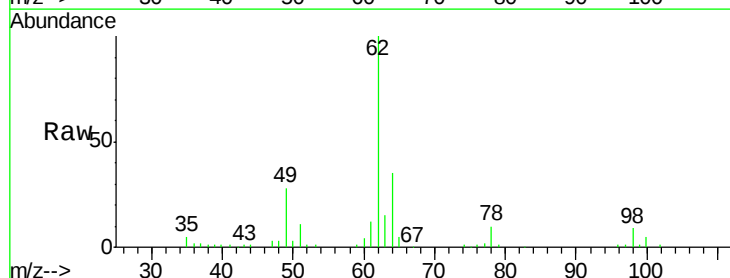
Manual Integrations
APPROVED

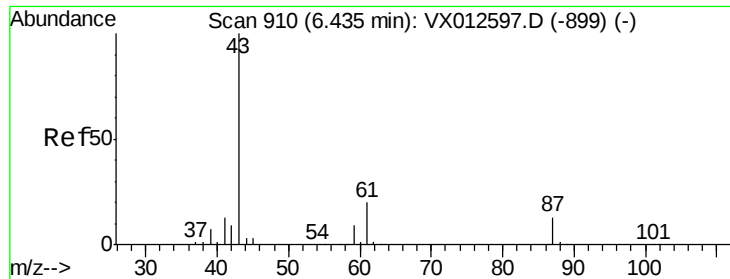
MMDadoda
10/3/2019 10:50:45 AM



#42
1,2-Dichloroethane
Concen: 18.437 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	17.8	





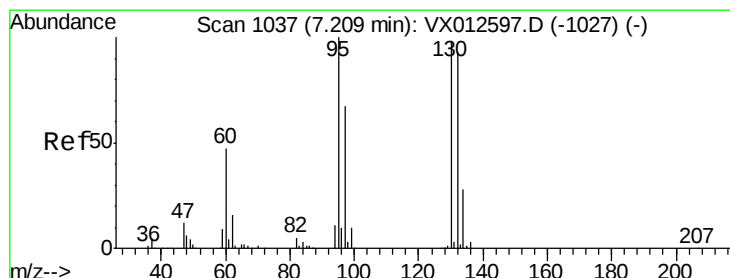
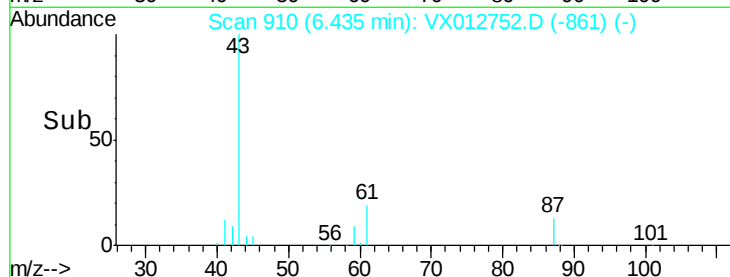
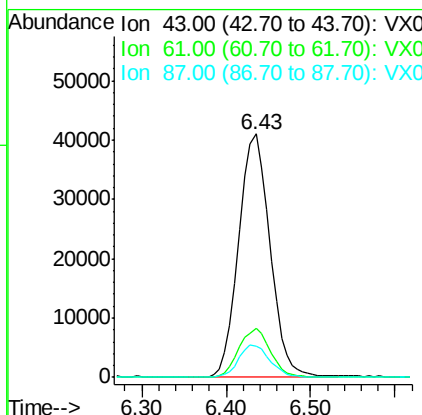
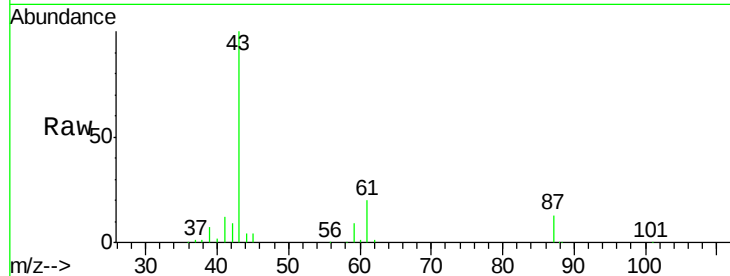
#43
Isopropyl Acetate
Concen: 17.195 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.3	9.8	14.8

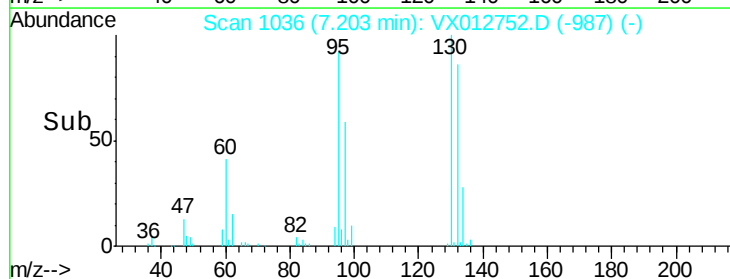
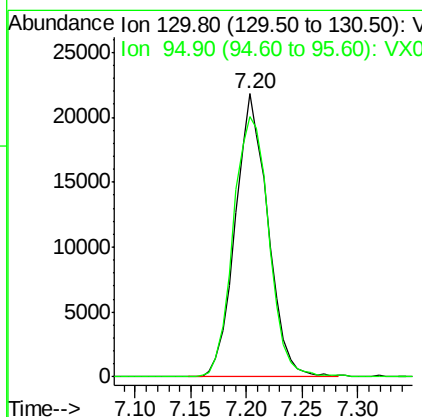
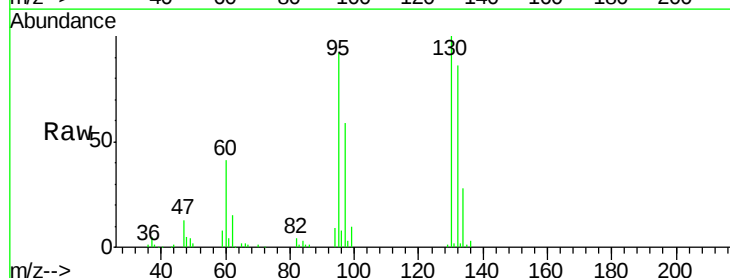
Manual Integrations
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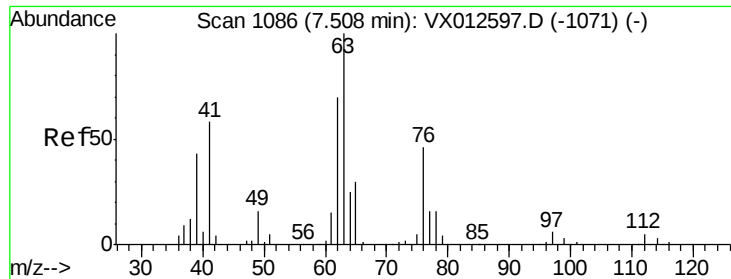
MMDadoda
10/3/2019 10:50:45 AM



#44
Trichloroethene
Concen: 19.217 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	193.0





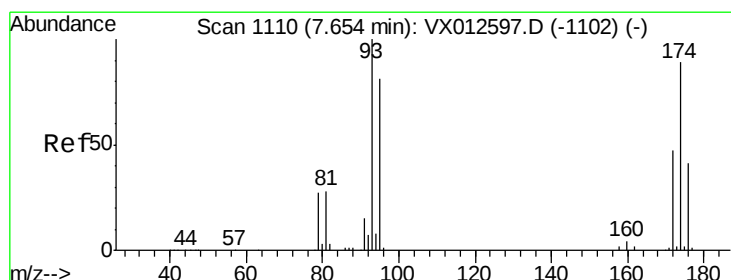
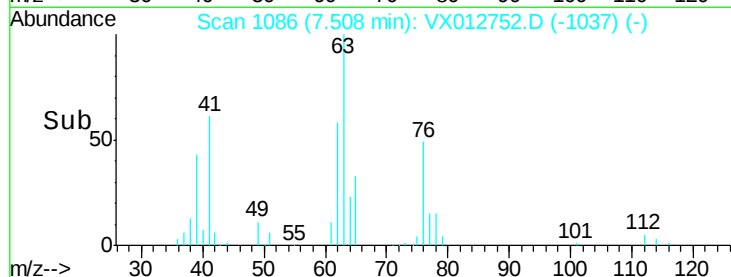
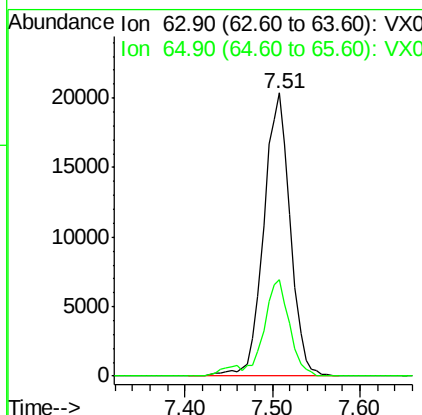
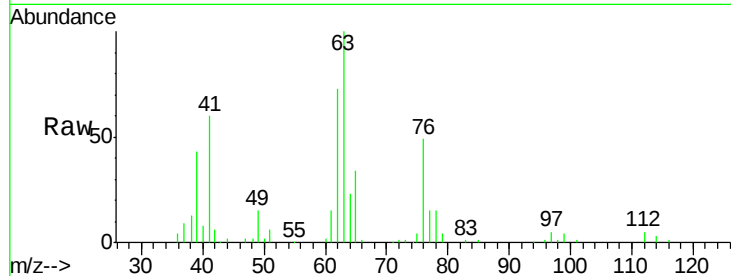
#45
 1,2-Dichloropropane
 Concen: 18.724 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampled :
 VX1002WBS01

Tot Ion: 63 Resp: 43189
 Ion Ratio Lower Upper
 63 100
 65 34.3 25.0 37.6

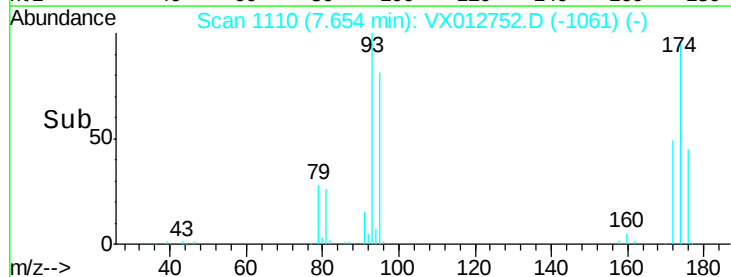
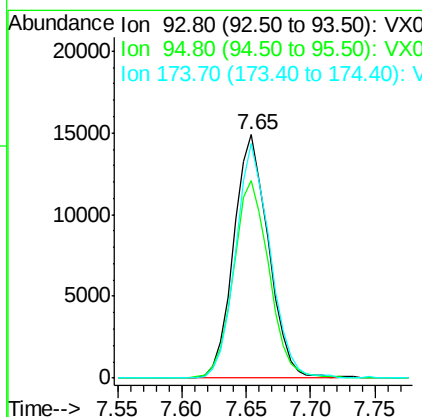
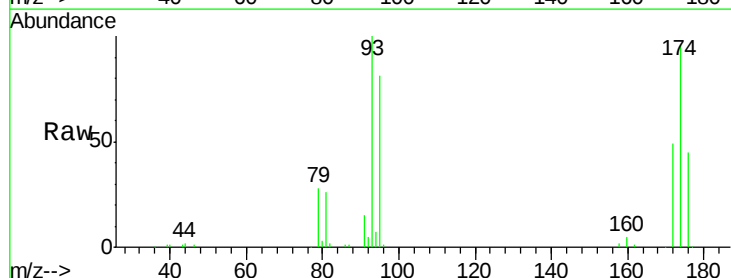
Manual Integrations
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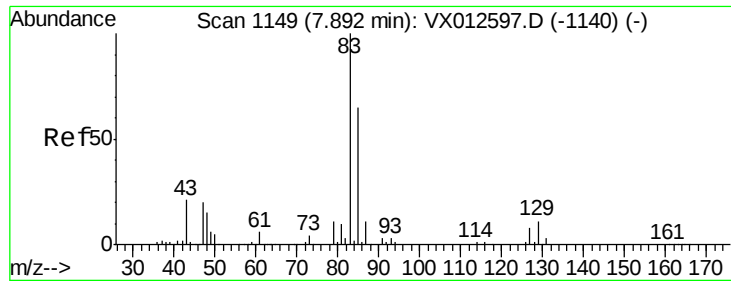
MMDadoda
 10/3/2019 10:50:45 AM



#46
 Dibromomethane
 Concen: 17.813 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Tgt Ion: 93 Resp: 27974
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.6 100.0
 174 95.2 77.4 116.0





#47

Bromodichloromethane

Concen: 17.767 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

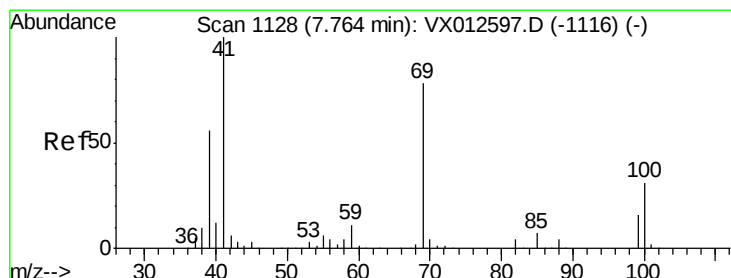
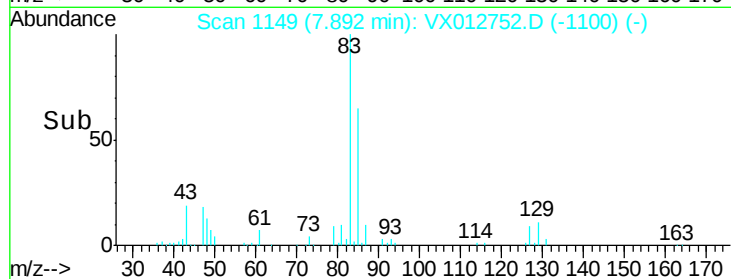
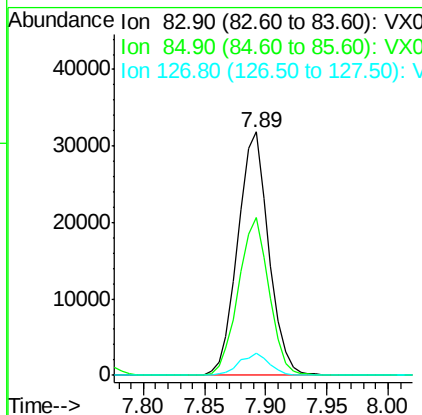
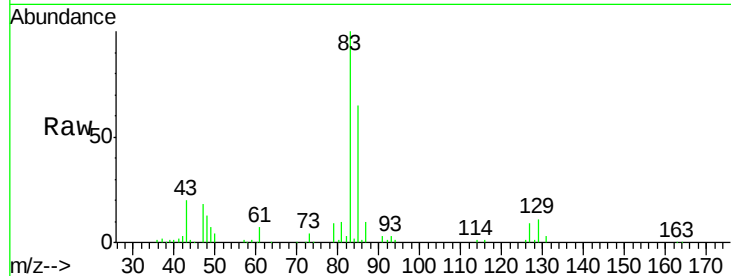
ClientSampleId :

VX1002WBS01

Tot Ion:	83	Resp:	55766
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6
127	9.0	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
10/3/2019 10:50:45 AM



#48

Methyl methacrylate

Concen: 17.380 ug/l

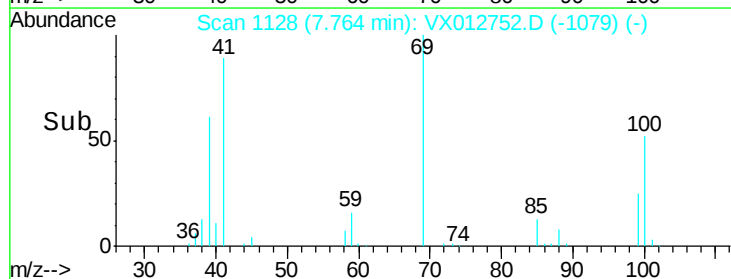
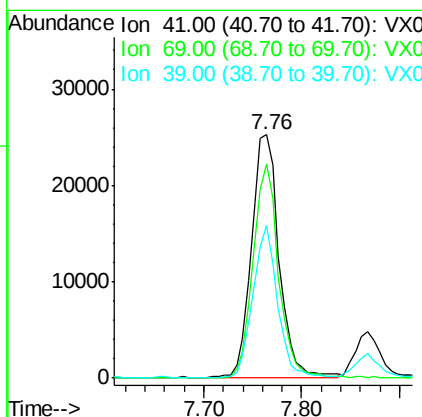
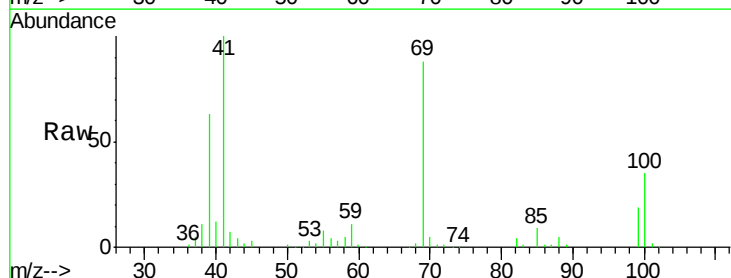
RT: 7.76 min Scan# 1128

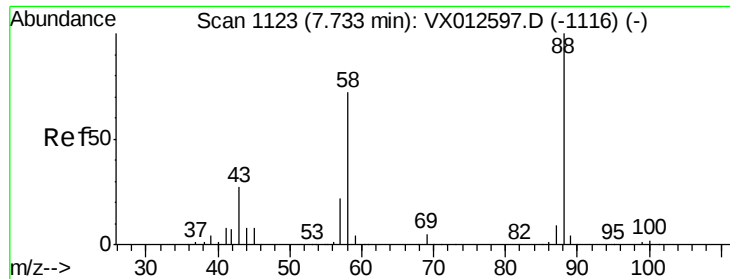
Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion:	41	Resp:	49889
Ion	Ratio	Lower	Upper
41	100		
69	81.2	59.9	89.9
39	56.1	47.8	71.6





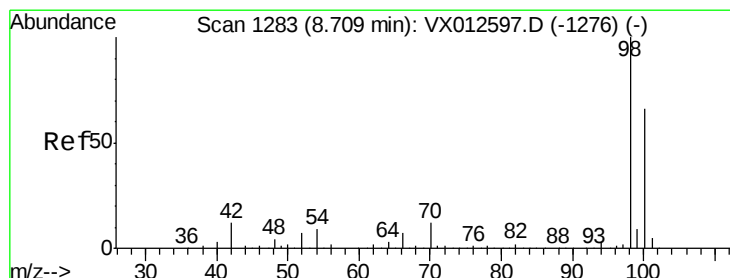
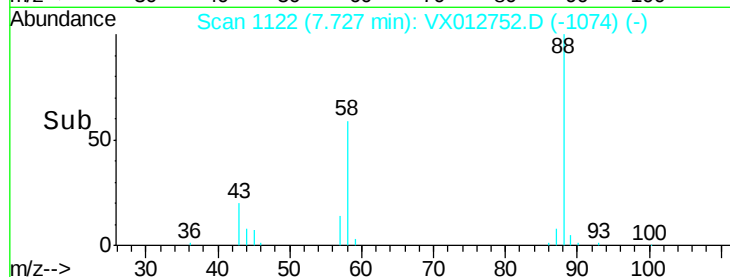
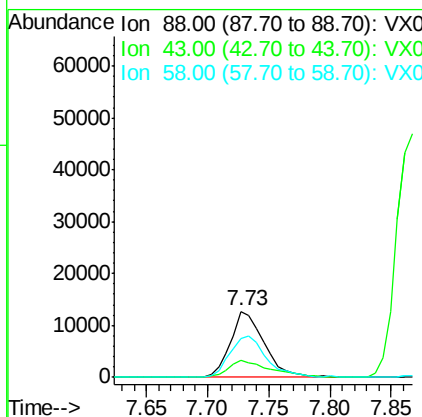
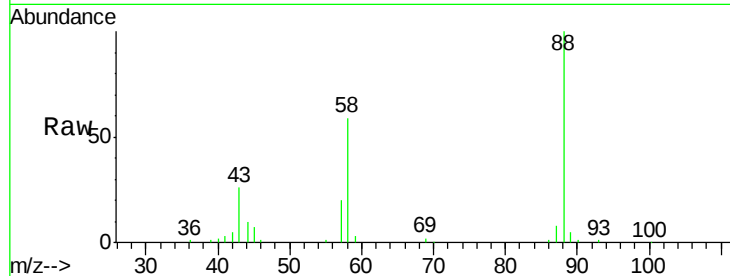
#49
1,4-Dioxane
Concen: 372.015 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	29.4	44.0
58	67.5	57.5	86.3

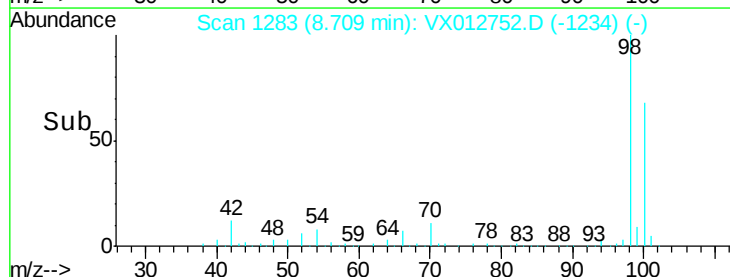
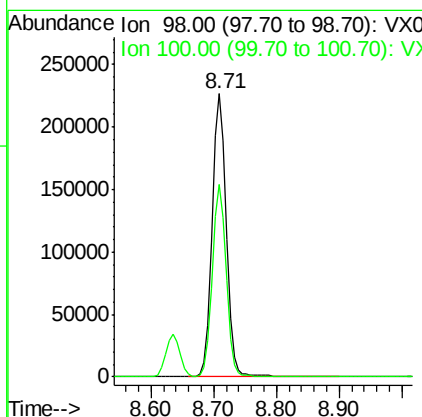
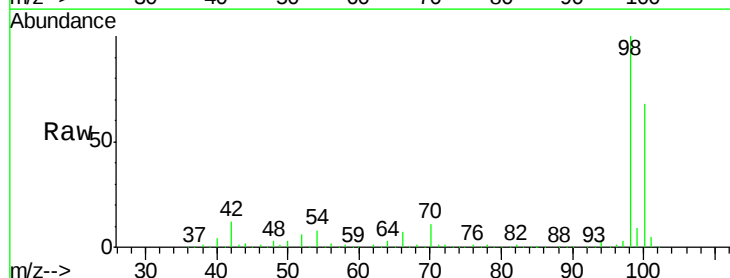
Manual Integrations
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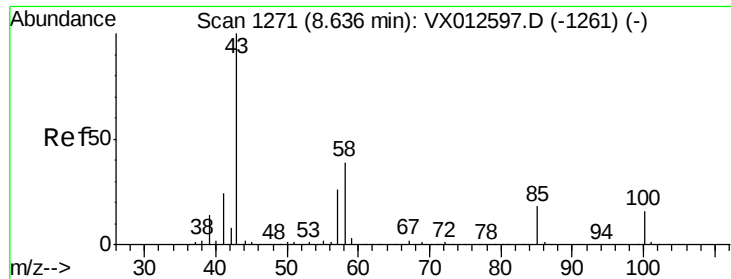
MMDadoda
10/3/2019 10:50:45 AM



#50
Toluene-d8
Concen: 48.587 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 88.032 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBS01

Tot Ion: 43 Resp: 325308

Ion Ratio Lower Upper

43 100

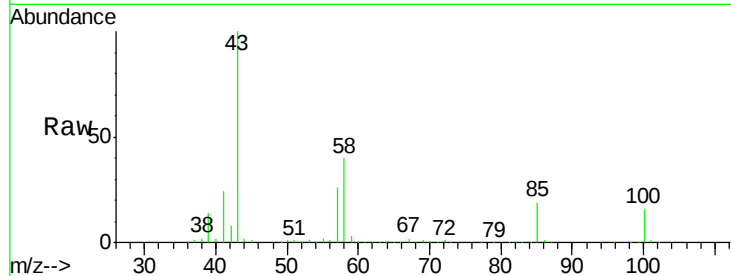
58 39.5 29.8 44.6

Manual Integrations

APPROVED

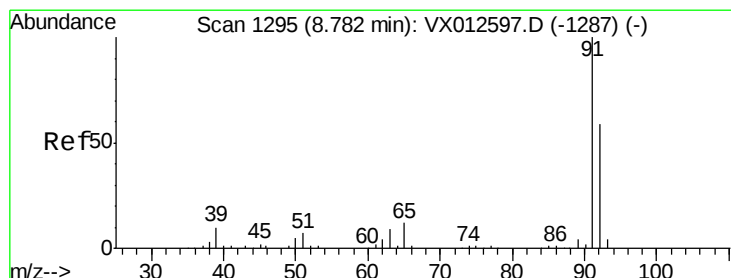
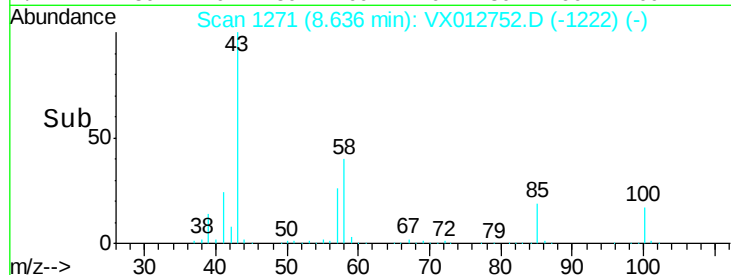
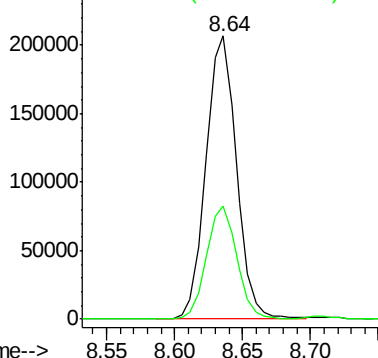
MMDadoda

10/3/2019 10:50:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.829 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012752.D

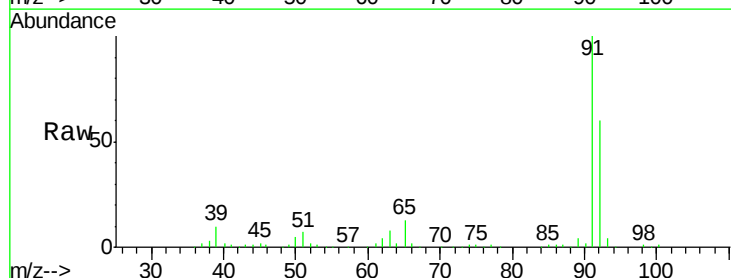
Acq: 02 Oct 2019 11:43

Tgt Ion: 92 Resp: 106617

Ion Ratio Lower Upper

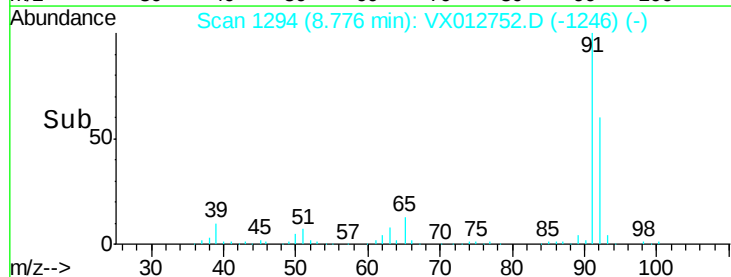
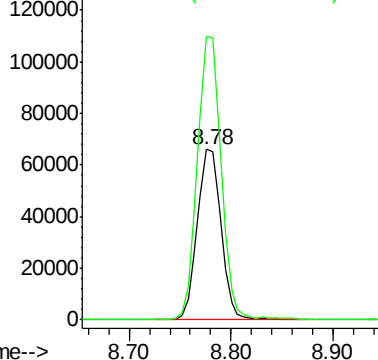
92 100

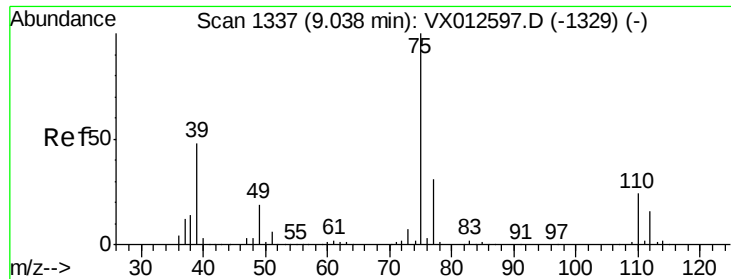
91 166.4 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





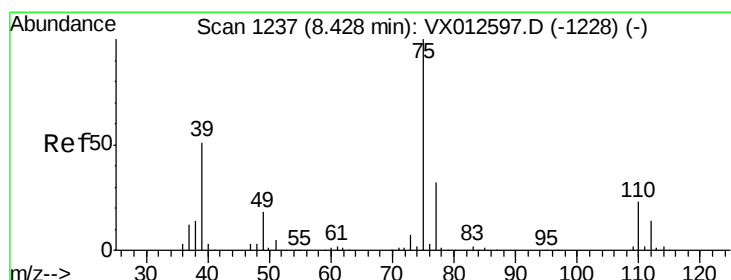
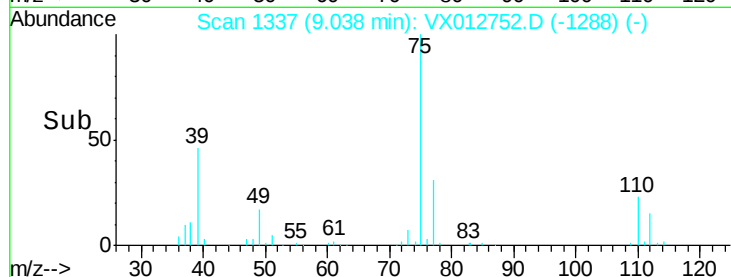
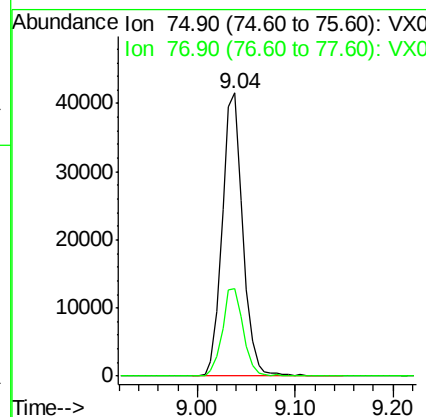
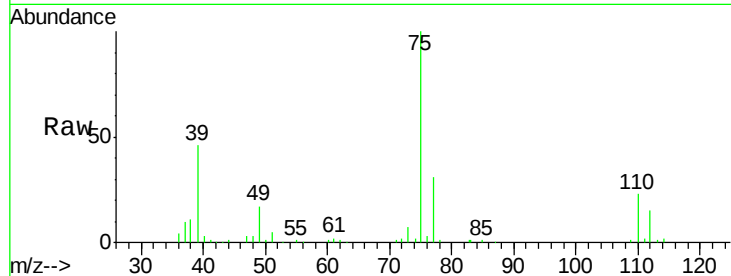
#53
t-1,3-Dichloropropene
Concen: 17.457 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion: 75 Resp: 60621
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8

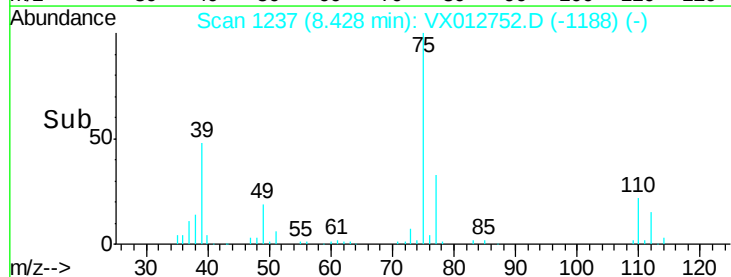
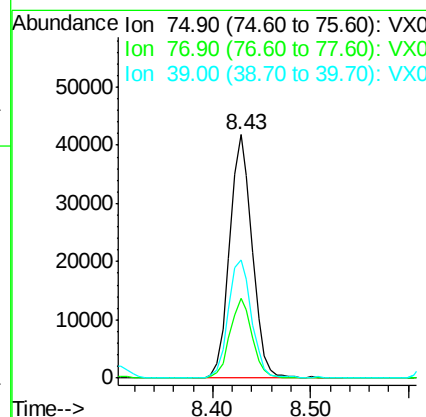
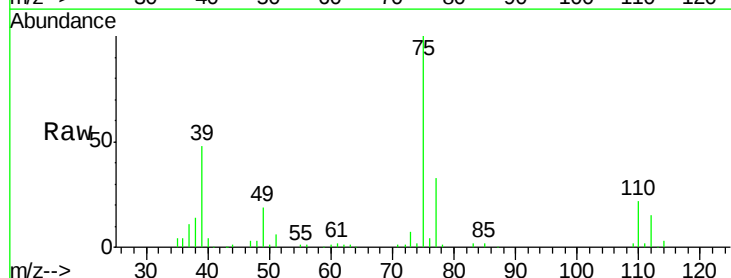
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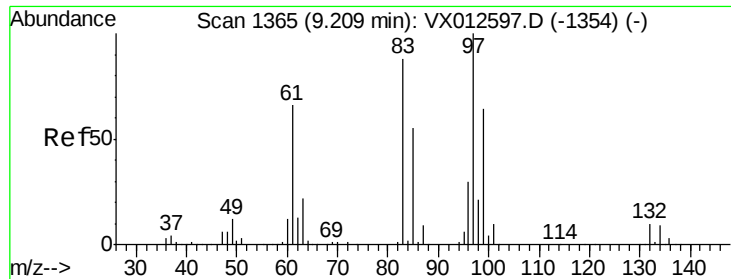
MMDadoda
10/3/2019 10:50:45 AM



#54
cis-1,3-Dichloropropene
Concen: 17.670 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion: 75 Resp: 66999
Ion Ratio Lower Upper
75 100
77 33.0 25.8 38.8
39 48.5 45.5 68.3





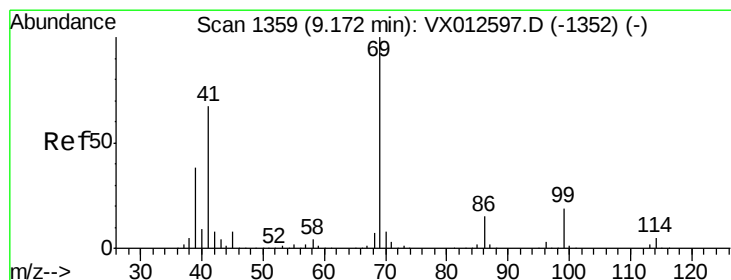
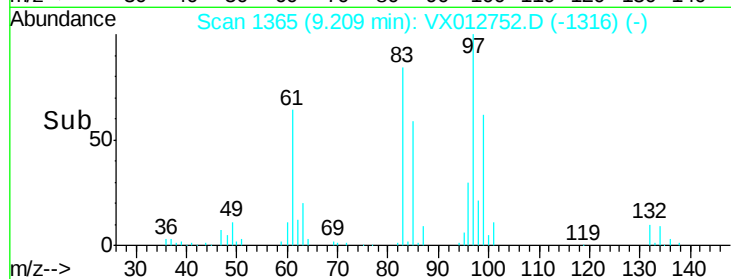
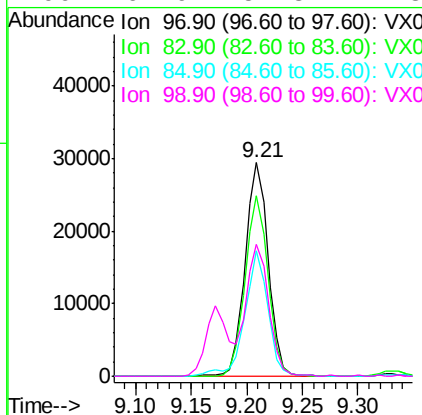
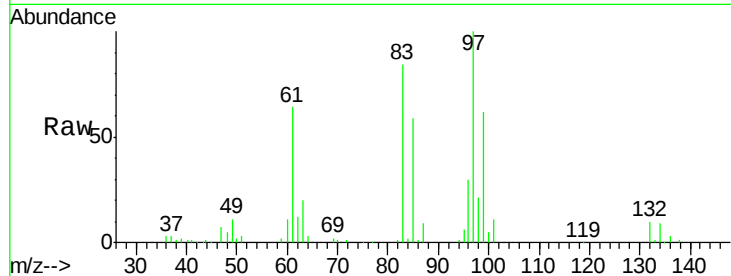
#55
 1,1,2-Trichloroethane
 Concen: 18.846 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBS01

Tot Ion:	97	Resp:	42425
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.2
85	58.6	43.5	65.3
99	61.9	51.8	77.8

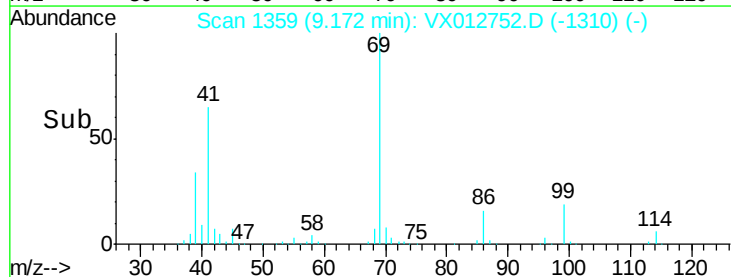
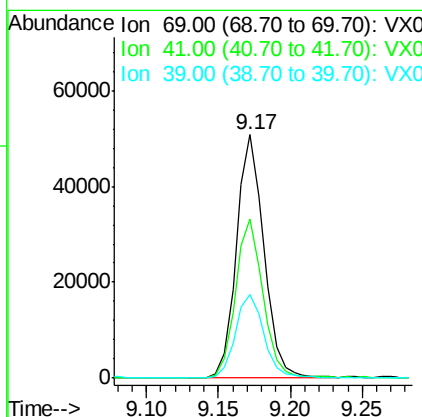
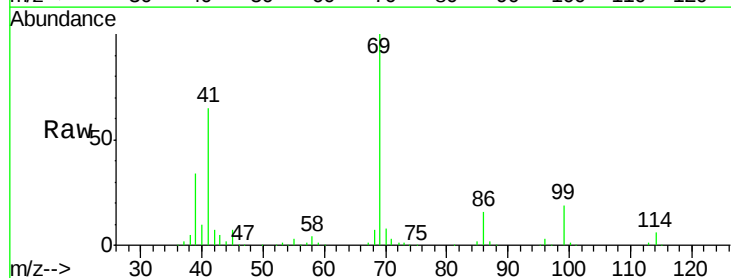
Manual Integrations
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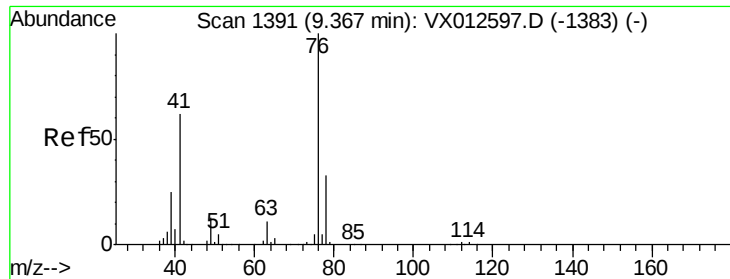
MMDadoda
 10/3/2019 10:50:45 AM



#56
 Ethyl methacrylate
 Concen: 17.834 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Tgt Ion:	69	Resp:	67446
Ion	Ratio	Lower	Upper
69	100		
41	66.1	58.4	87.6
39	36.4	33.4	50.0





#57

1,3-Dichloropropane

Concen: 18.792 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBS01

Tot Ion: 76 Resp: 74040

Ion Ratio Lower Upper

76 100

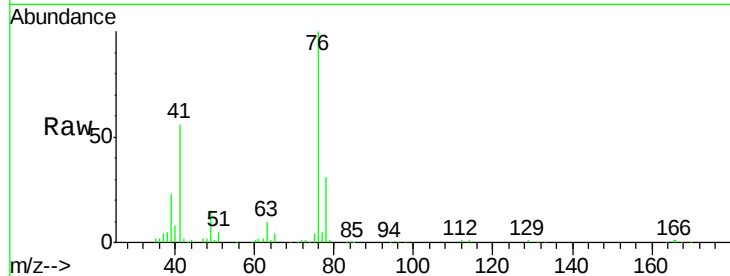
78 31.7 26.2 39.2

Manual Integrations

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MMDadoda

10/3/2019 10:50:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

60000

50000

40000

30000

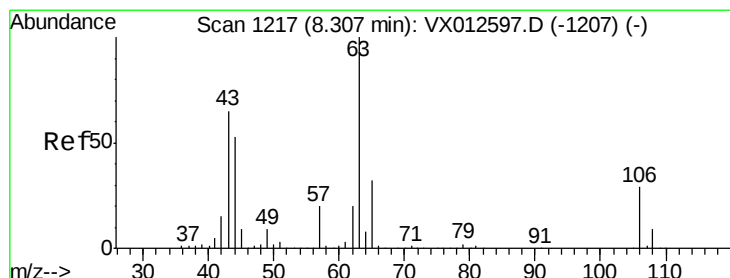
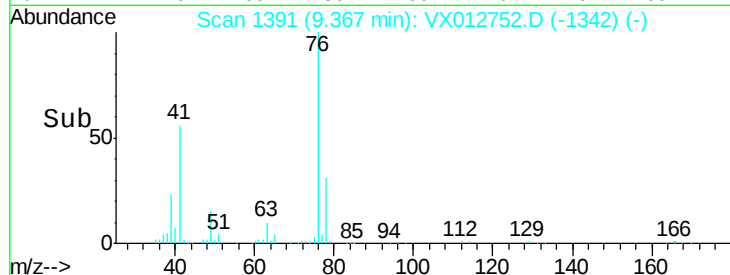
20000

10000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 91.698 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012752.D

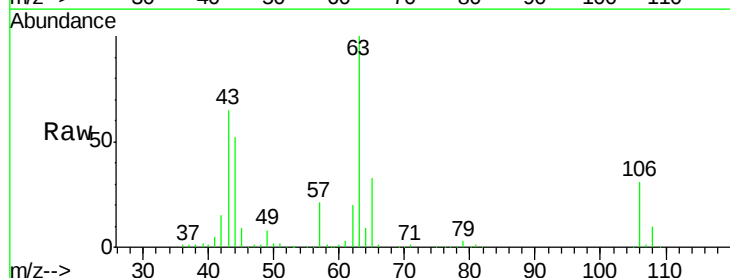
Acq: 02 Oct 2019 11:43

Tgt Ion: 63 Resp: 155669

Ion Ratio Lower Upper

63 100

106 30.0 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

100000

80000

60000

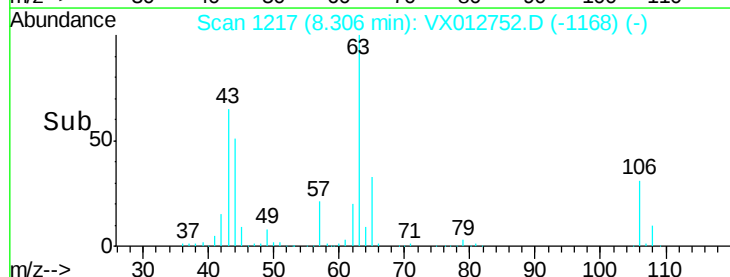
40000

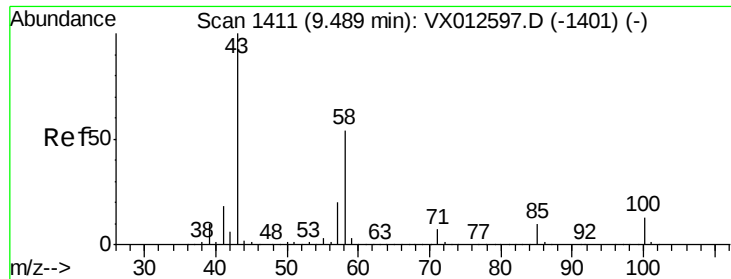
20000

0

8.20 8.30 8.40

Time-->





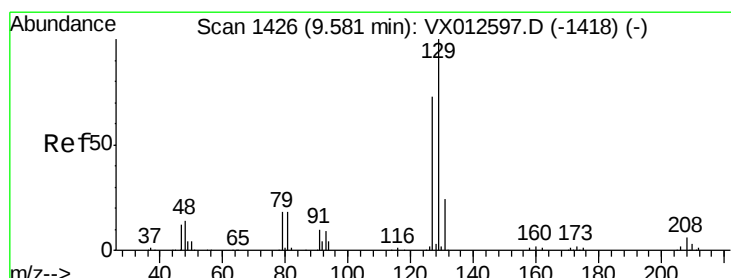
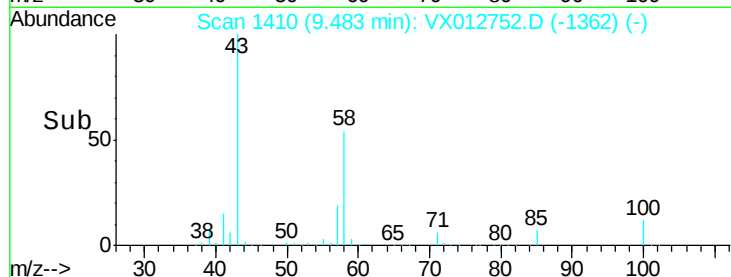
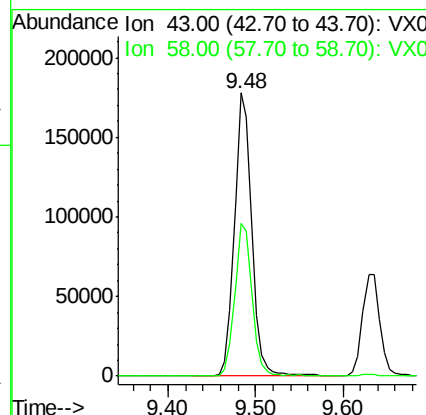
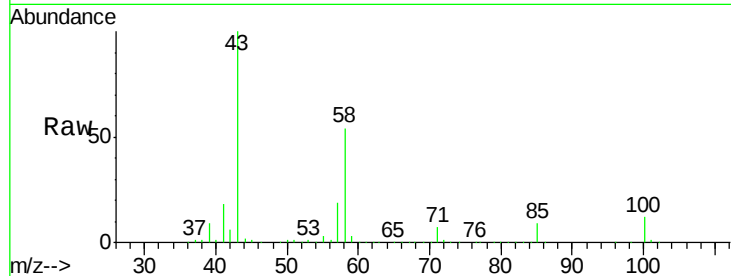
#59
2-Hexanone
Concen: 87.415 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion: 43 Resp: 247259
Ion Ratio Lower Upper
43 100
58 53.7 25.7 77.1

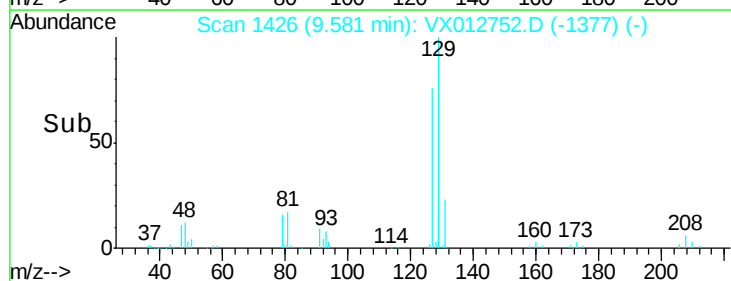
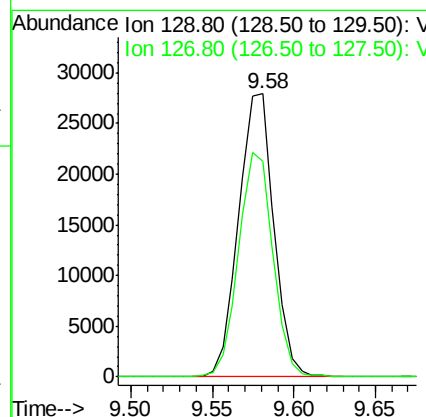
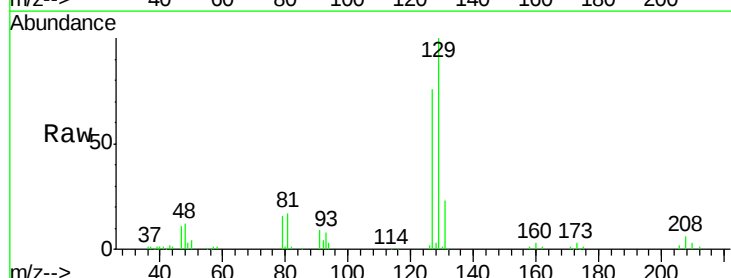
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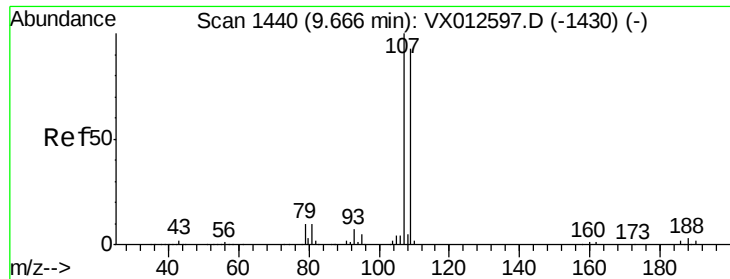
MMDadoda
10/3/2019 10:50:45 AM



#60
Dibromochloromethane
Concen: 18.471 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion: 129 Resp: 42092
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 18.903 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBS01

Tot Ion:107 Resp: 44286

Ion Ratio Lower Upper

107 100

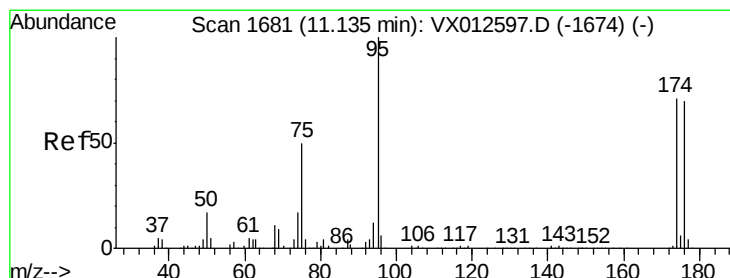
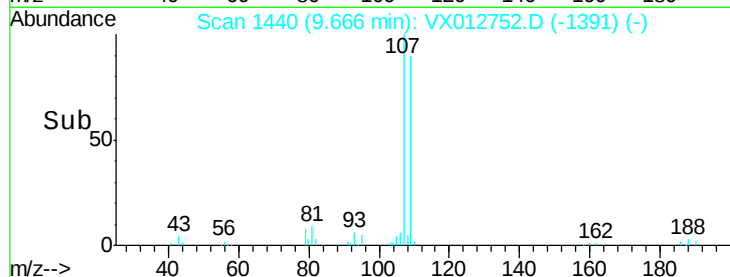
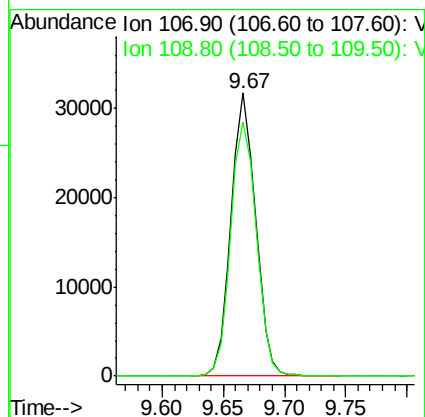
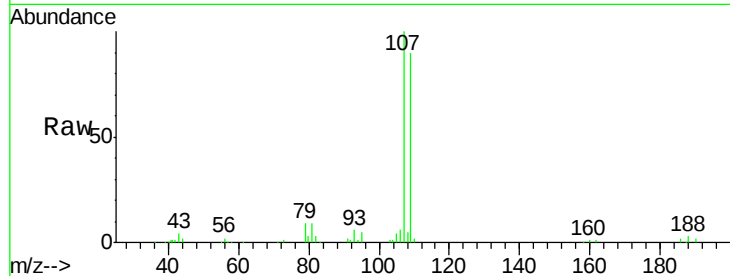
109 93.5 74.7 112.1

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 47.020 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

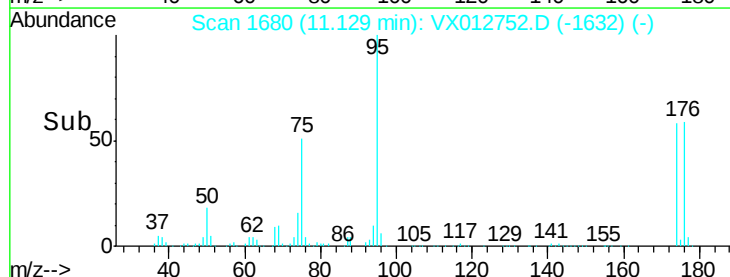
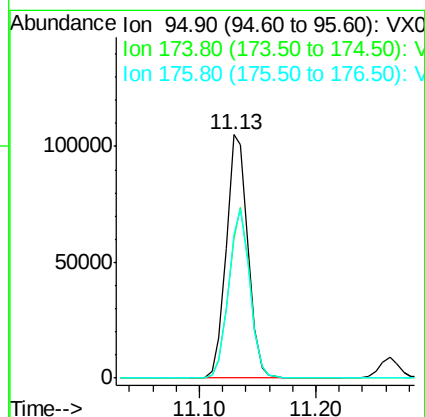
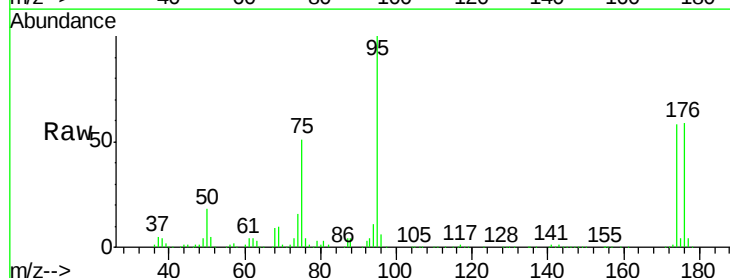
Tgt Ion: 95 Resp: 134700

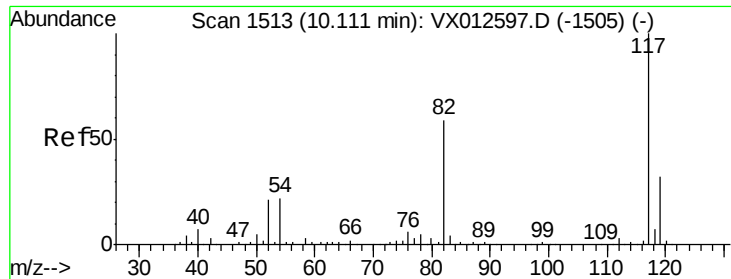
Ion Ratio Lower Upper

95 100

174 68.8 0.0 140.0

176 67.8 0.0 135.4





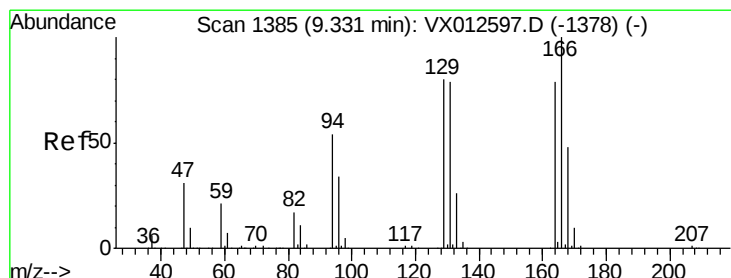
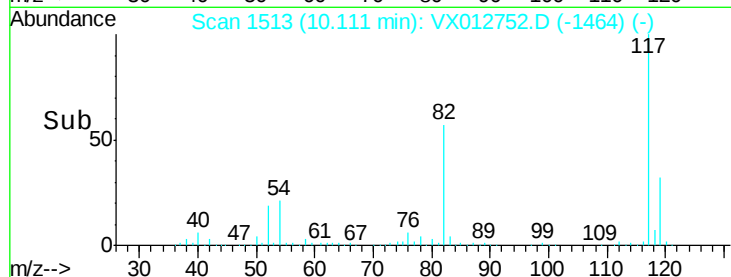
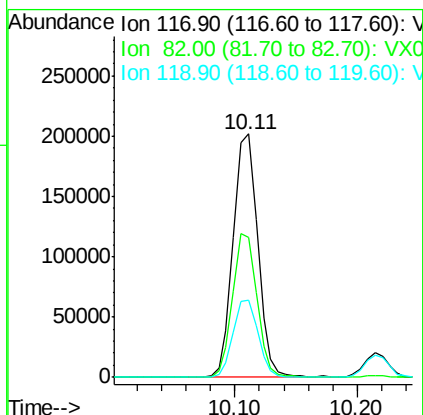
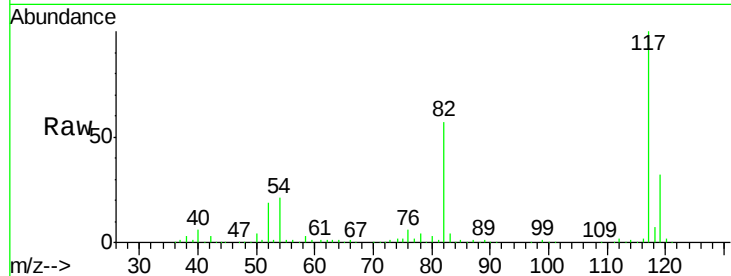
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.9	68.9
119	31.8	25.3	37.9

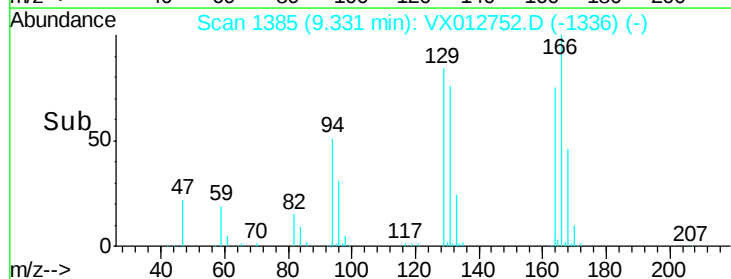
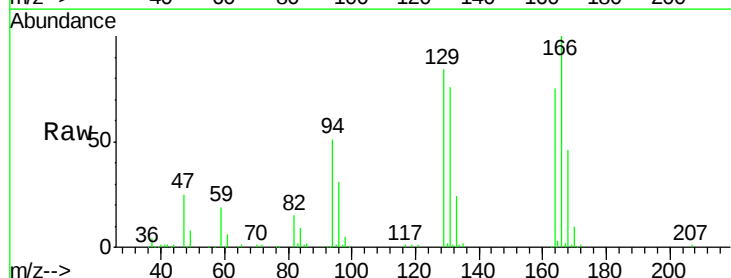
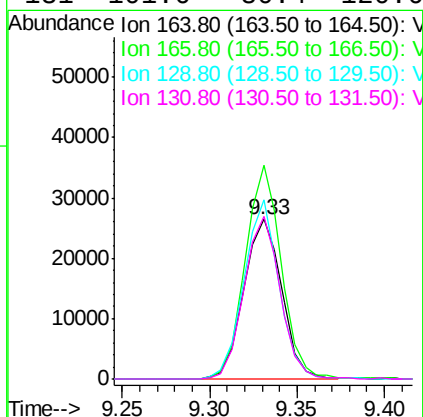
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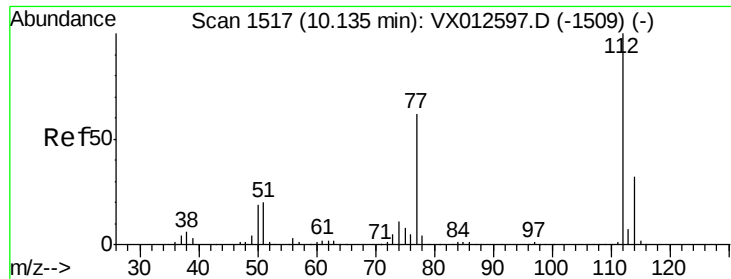
MMDadoda
10/3/2019 10:50:45 AM



#64
Tetrachloroethene
Concen: 20.458 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.9	107.8	161.6
129	112.4	86.2	129.2
131	101.6	80.4	120.6





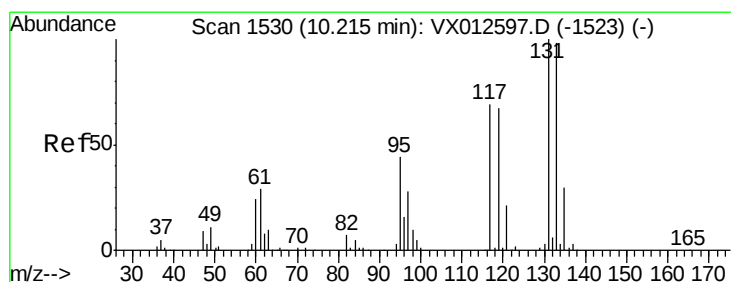
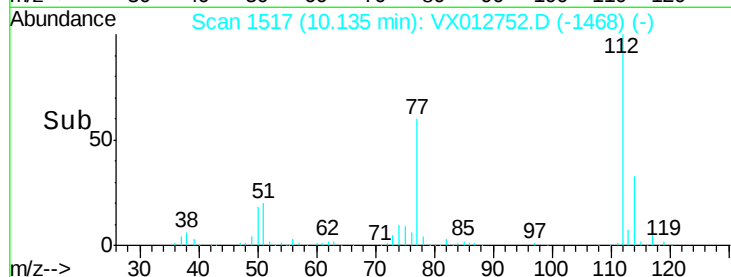
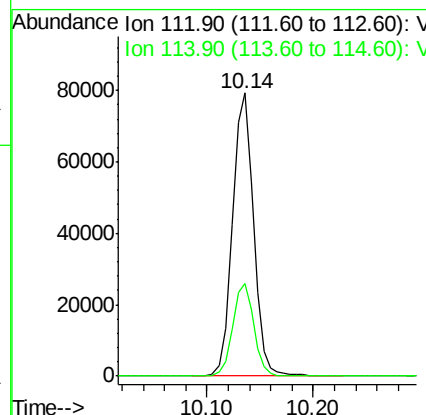
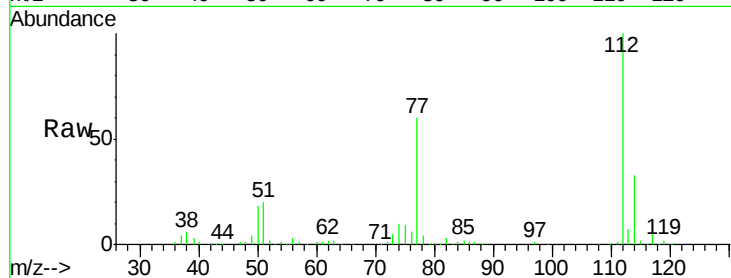
#65
Chlorobenzene
Concen: 18.609 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion:112 Resp: 110291
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0

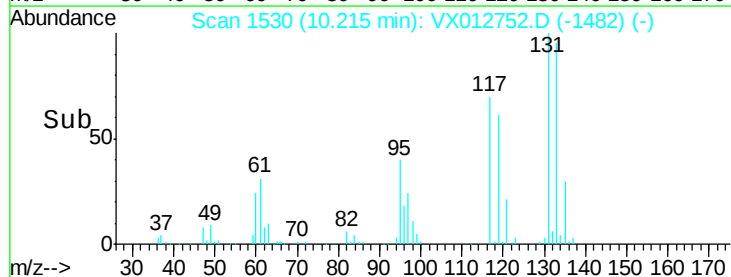
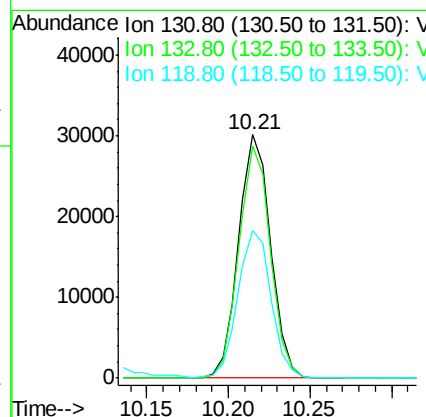
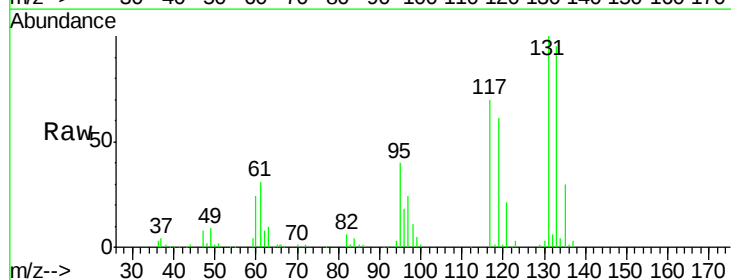
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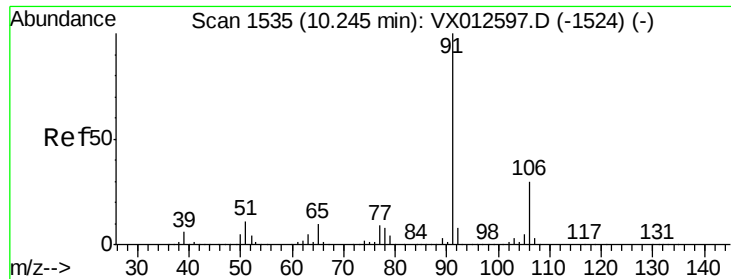
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.228 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion:131 Resp: 41291
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 62.6 31.3 93.8





#67

Ethyl Benzene

Concen: 18.684 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampled :

VX1002WBS01

Tot Ion: 91 Resp: 200842

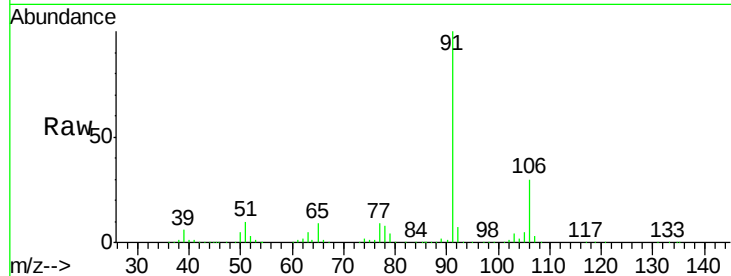
Ion Ratio Lower Upper

91 100

106 30.2 24.6 37.0

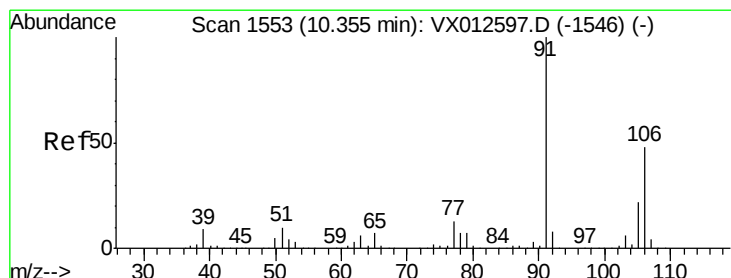
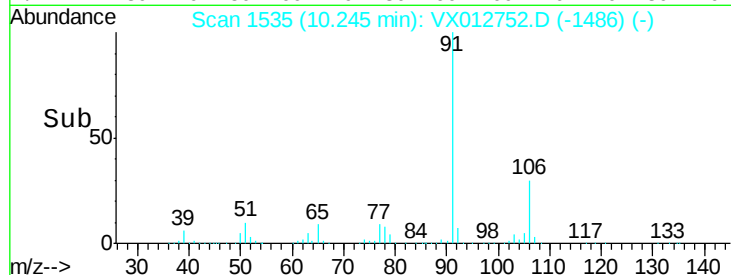
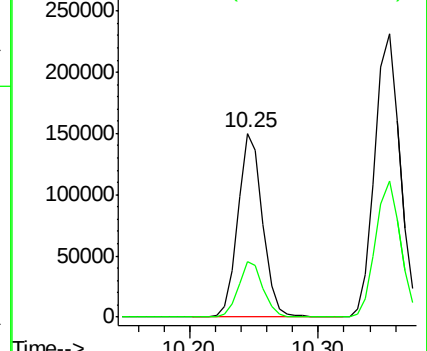
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.301 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012752.D

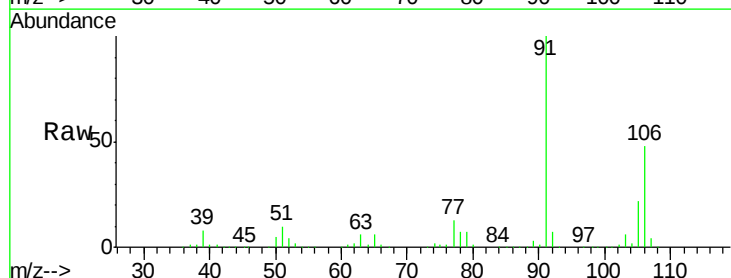
Acq: 02 Oct 2019 11:43

Tgt Ion: 106 Resp: 150206

Ion Ratio Lower Upper

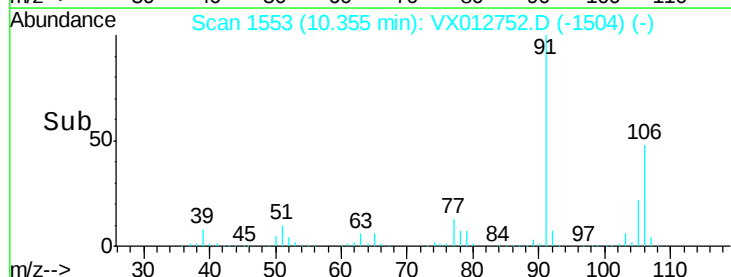
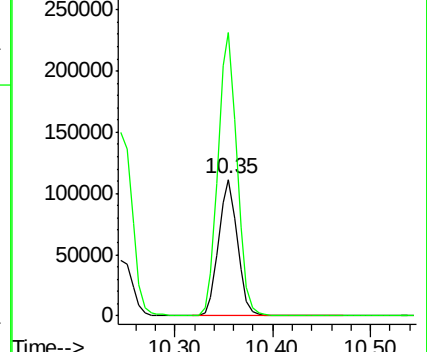
106 100

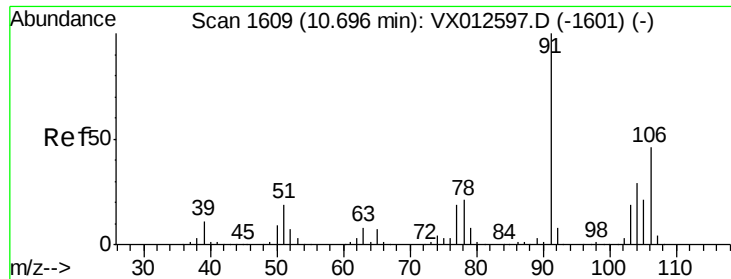
91 208.7 166.6 250.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





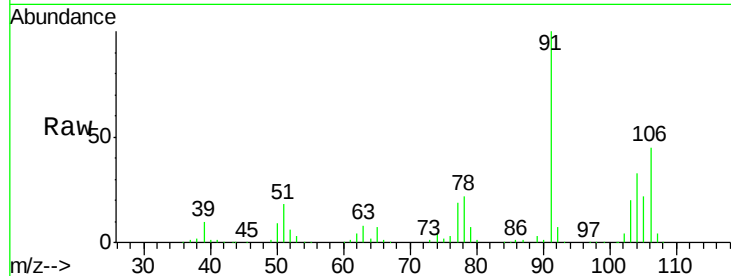
#69
o-Xylene
Concen: 18.419 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampled :
VX1002WBS01

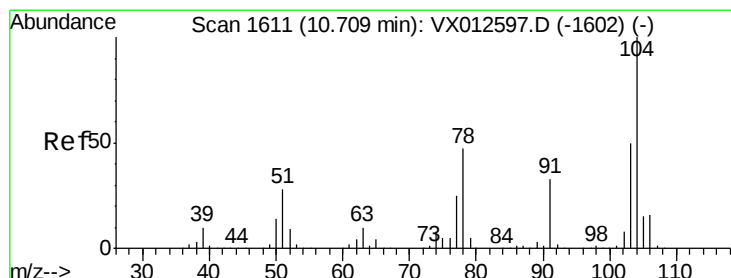
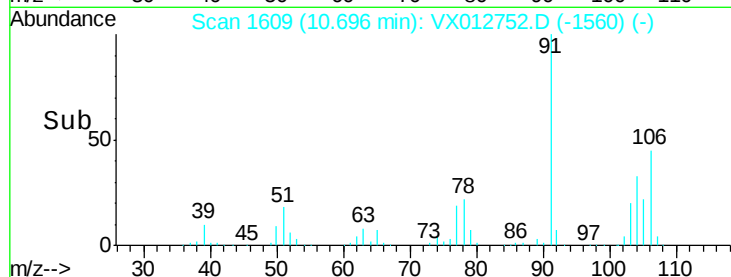
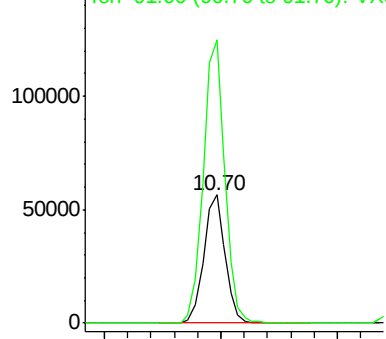
Tot Ion:106 Resp: 71770
Ion Ratio Lower Upper
106 100
91 223.3 109.4 328.2

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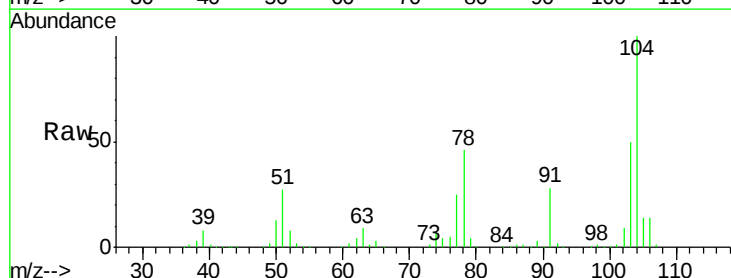


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

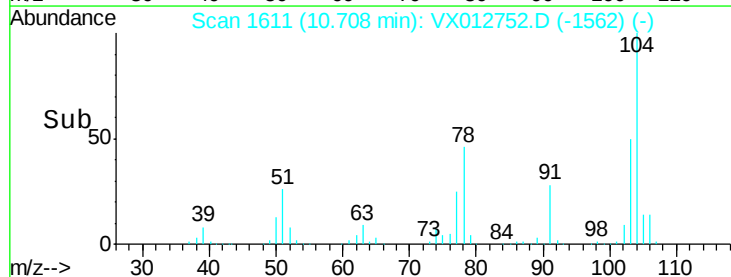
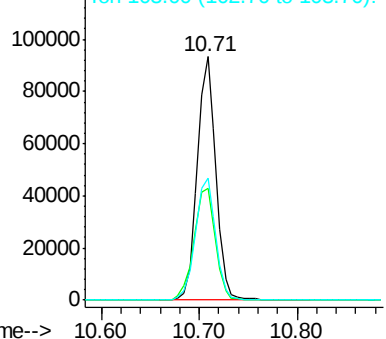


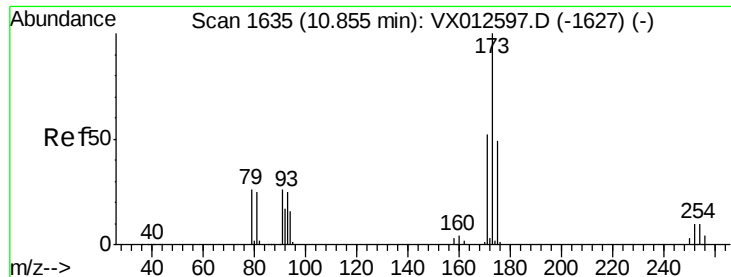
#70
Styrene
Concen: 18.828 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion:104 Resp: 122989
Ion Ratio Lower Upper
104 100
78 53.1 43.4 65.2
103 54.6 43.3 64.9



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





#71

Bromoform

Concen: 17.777 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampled :

VX1002WBS01

Tot Ion:173 Resp: 26581

Ion Ratio Lower Upper

173 100

175 47.9 23.7 71.1

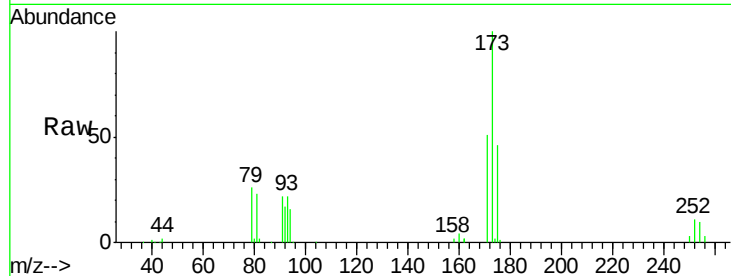
254 0.0 0.1 0.1#

Manual Integrations

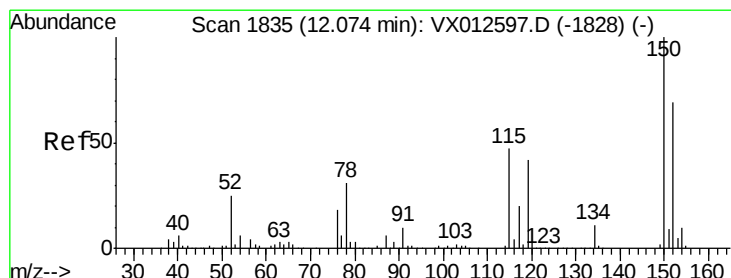
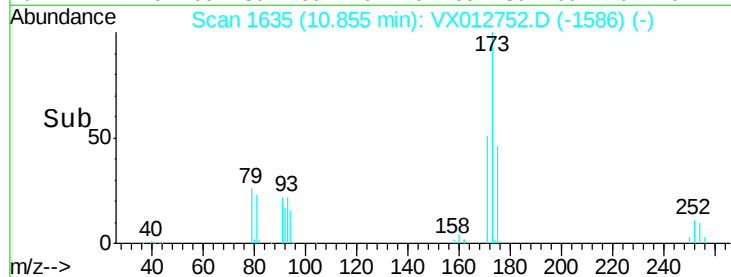
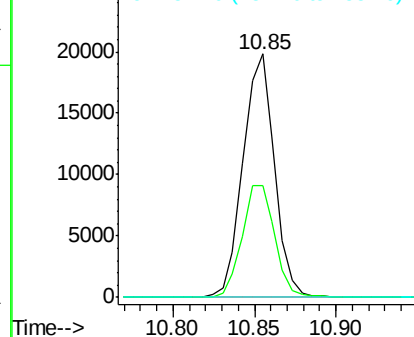
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

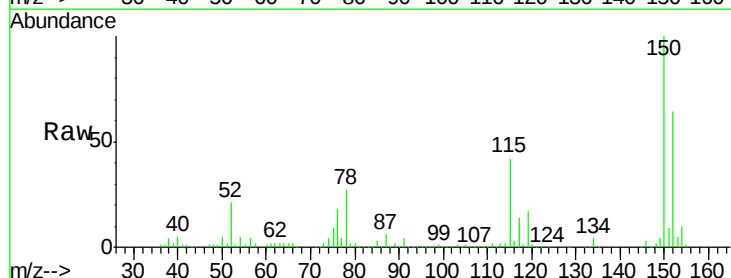
Tgt Ion:152 Resp: 127865

Ion Ratio Lower Upper

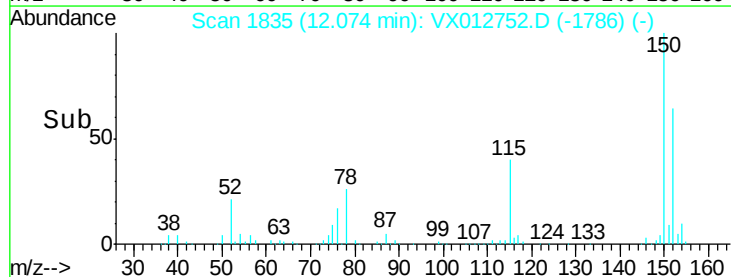
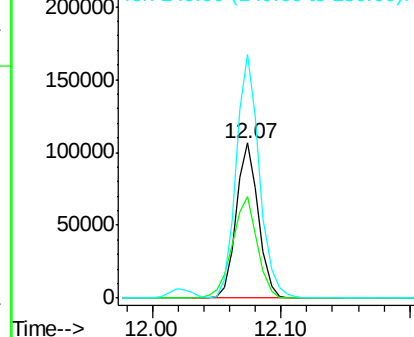
152 100

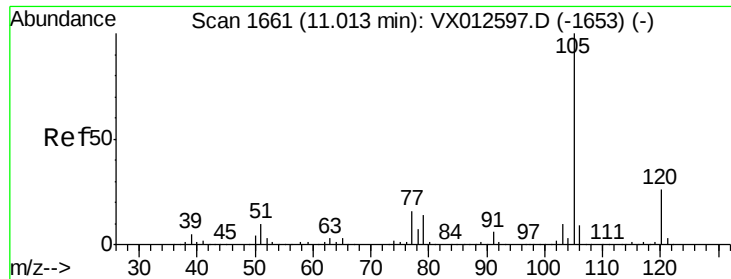
115 73.5 44.1 132.3

150 164.3 0.0 343.8



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





#73

Isopropylbenzene

Concen: 18.975 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBS01

Tot Ion:105 Resp: 197610

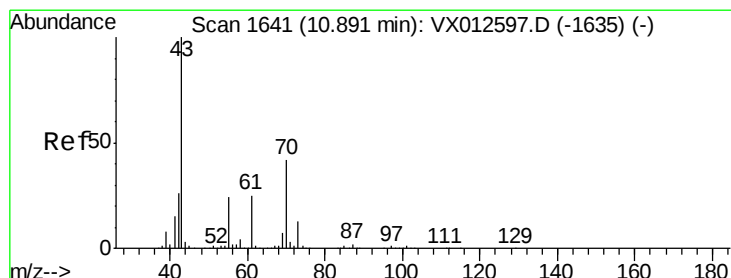
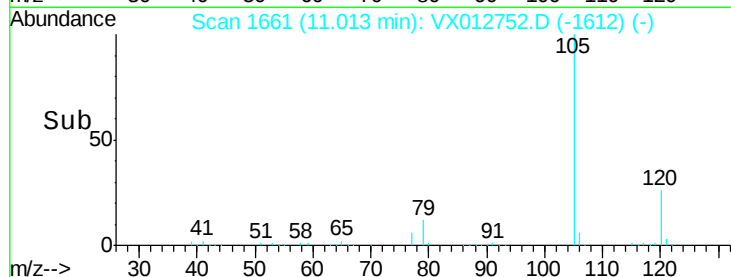
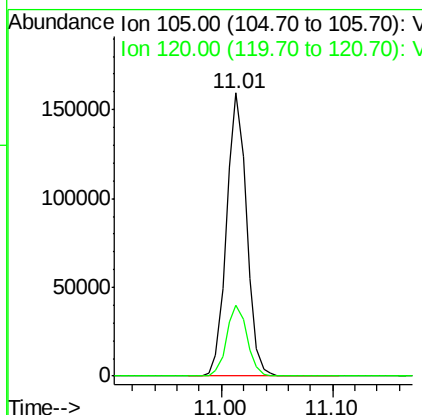
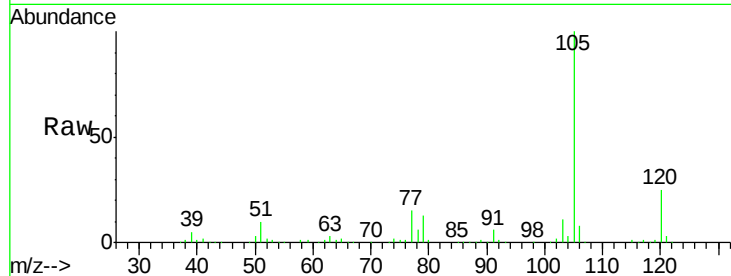
Ion Ratio Lower Upper

105 100

120 25.9 12.9 38.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.071 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion: 43 Resp: 84815

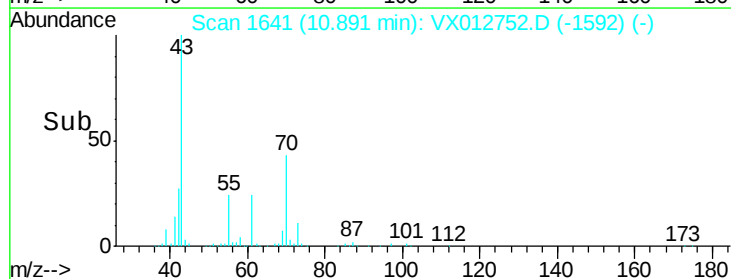
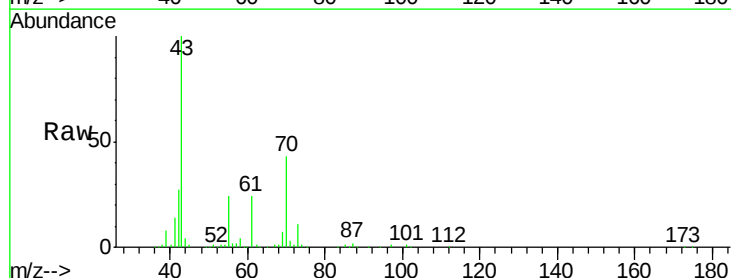
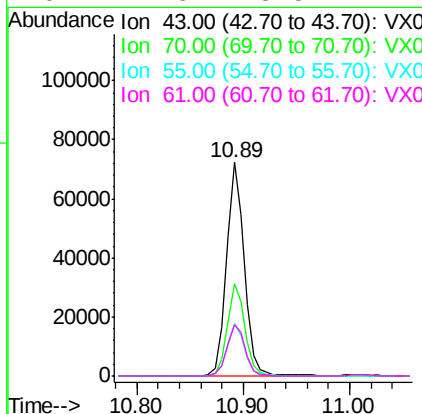
Ion Ratio Lower Upper

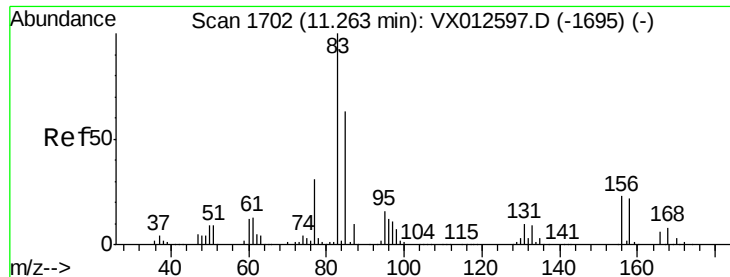
43 100

70 42.9 32.4 48.6

55 24.6 18.2 27.4

61 24.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.386 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

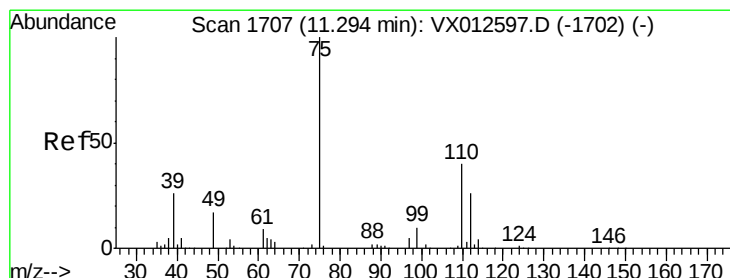
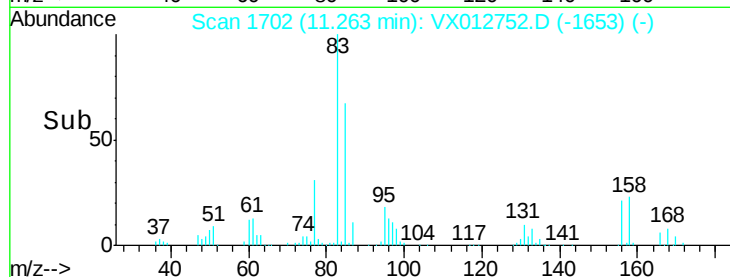
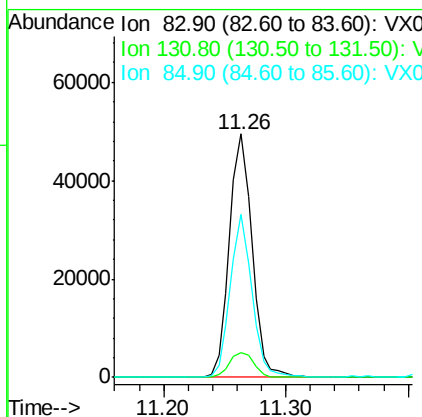
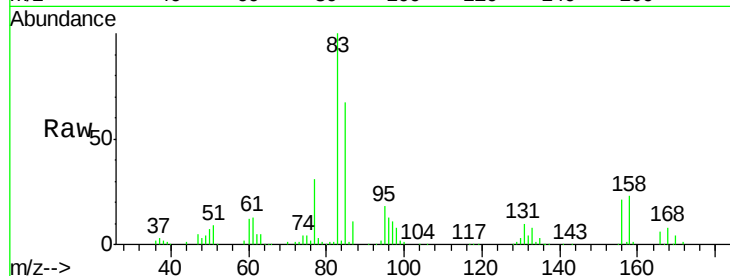
ClientSampled :

VX1002WBS01

Tot Ion:	83	Resp:	63413
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.2	15.6
85	63.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.973 ug/l m

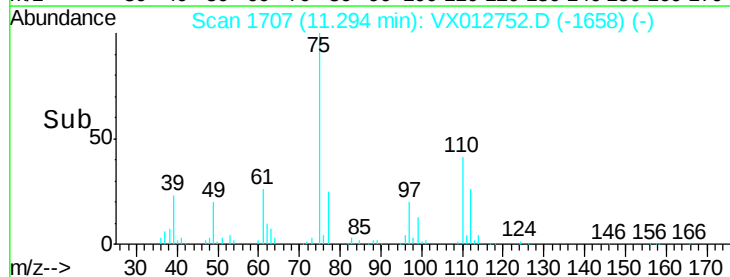
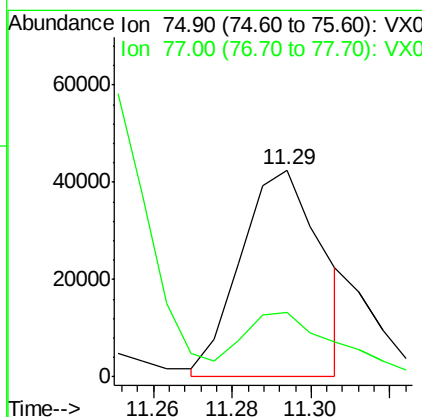
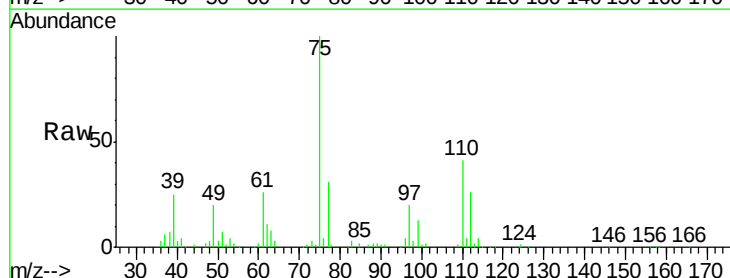
RT: 11.29 min Scan# 1707

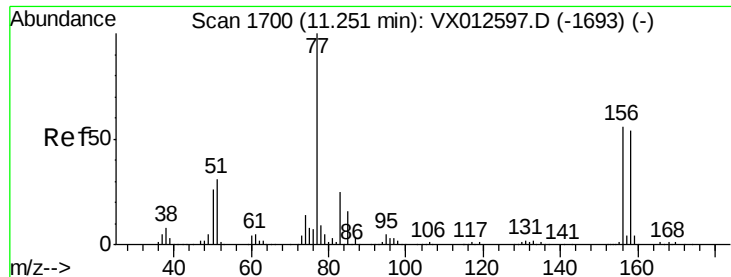
Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion:	75	Resp:	60792
Ion Ratio	Lower	Upper	
75	100		
77	36.2	19.7	59.0





#77

Bromobenzene

Concen: 18.492 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

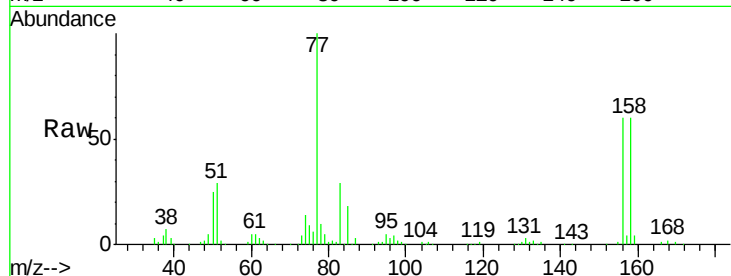
ClientSampleId :

VX1002WBS01

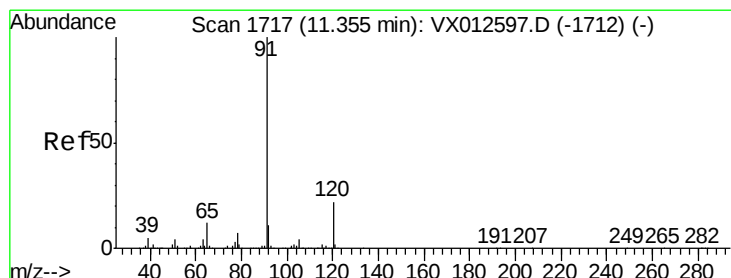
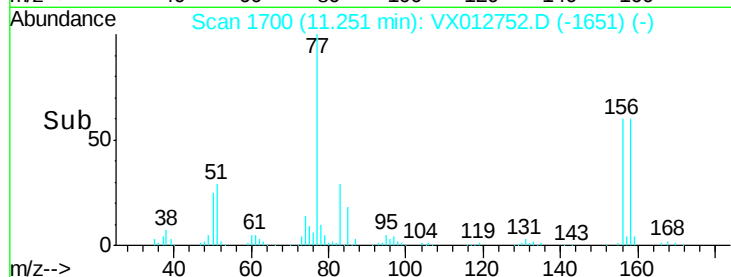
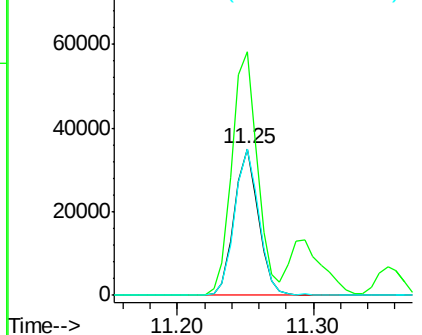
Tot Ion:	156	Resp:	43587
Ion	Ratio	Lower	Upper
156	100		
77	175.9	87.3	261.8
158	100.2	48.5	145.6

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.498 ug/l

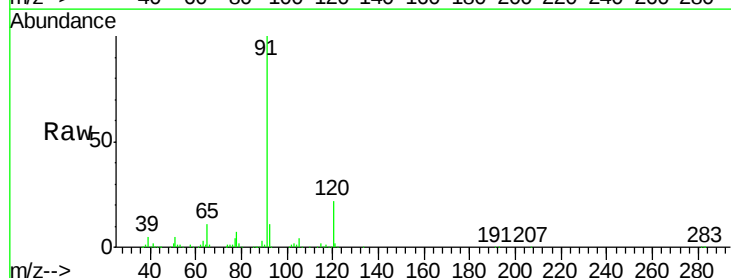
RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

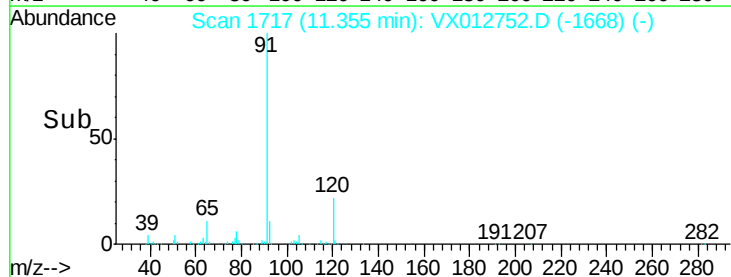
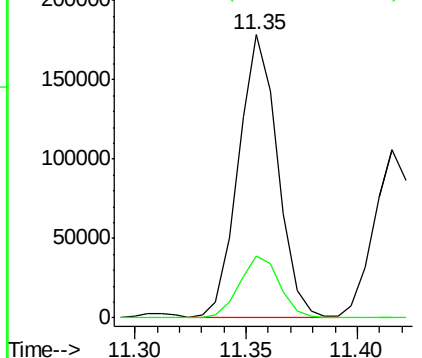
Lab File: VX012752.D

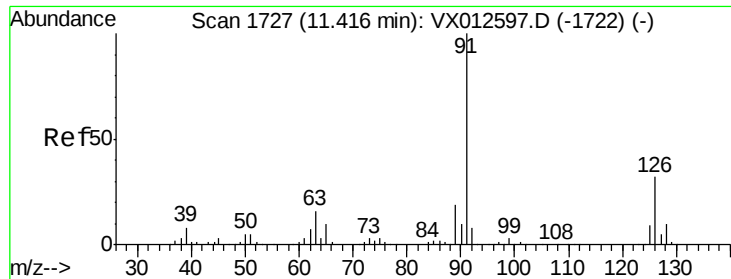
Acq: 02 Oct 2019 11:43

Tgt Ion:	91	Resp:	216884
Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





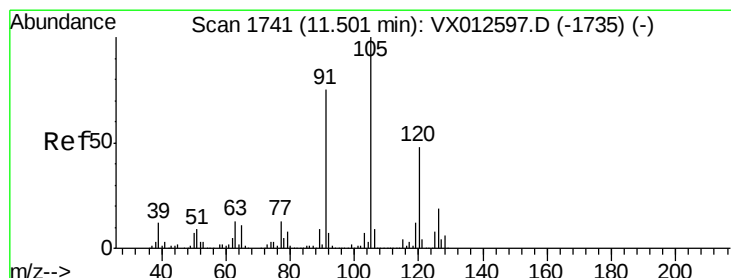
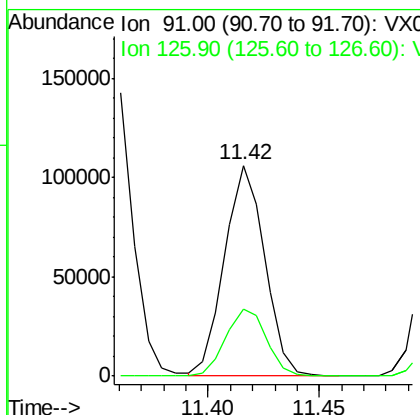
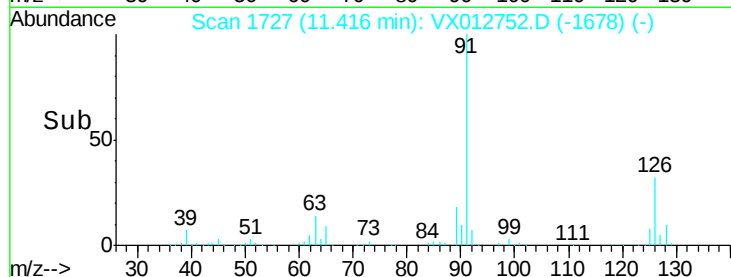
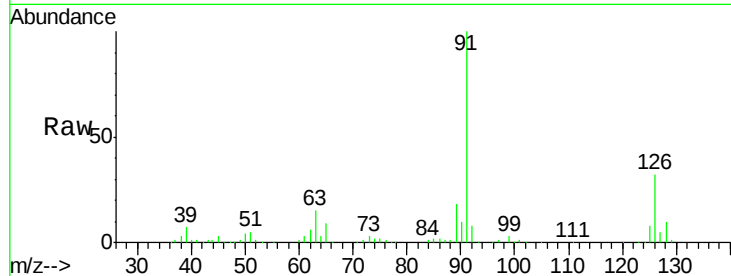
#79
 2-Chlorotoluene
 Concen: 18.132 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBS01

Tot Ion: 91 Resp: 132614
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.4 49.4

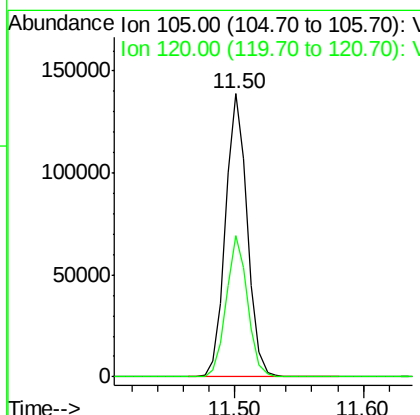
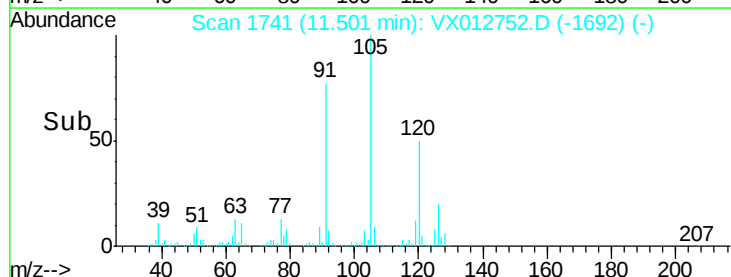
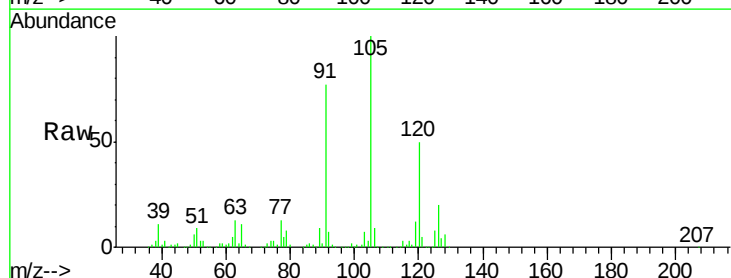
Manual Integrations
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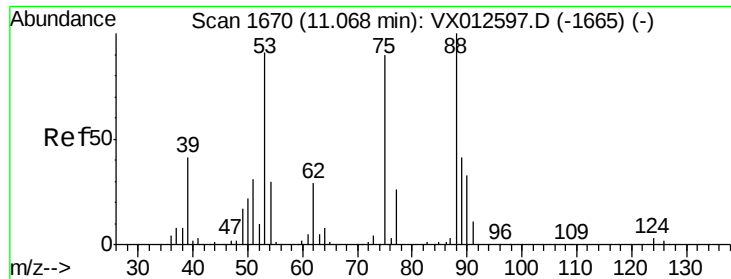
MMDadoda
 10/3/2019 10:50:45 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.935 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Tgt Ion: 105 Resp: 165362
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.082 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

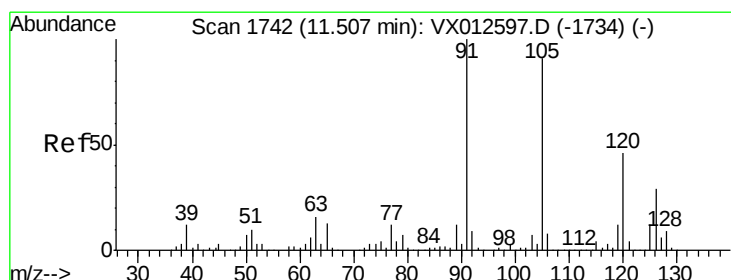
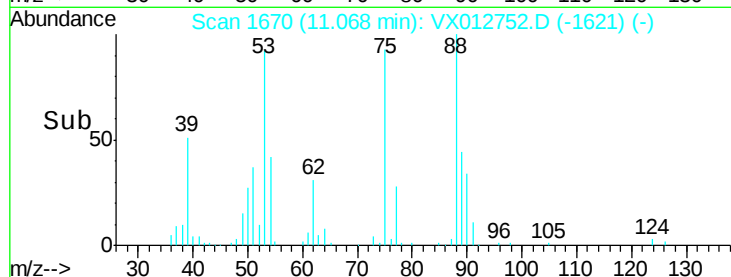
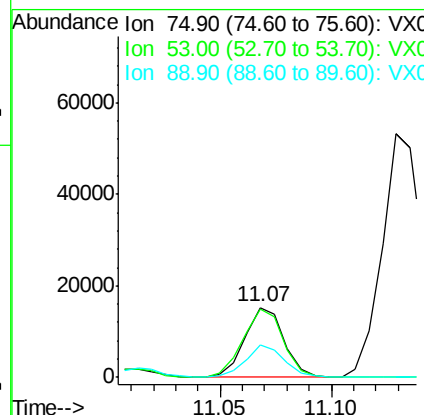
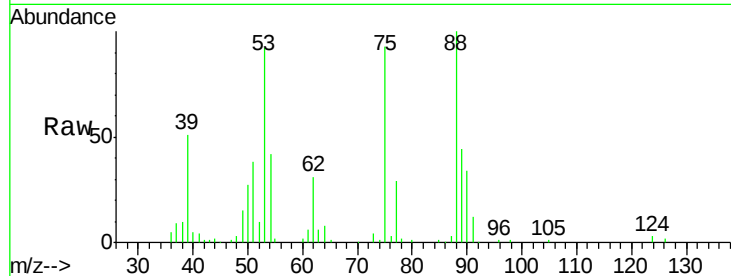
ClientSampled :

VX1002WBS01

Tot Ion:	75	Resp:	18981
Ion Ratio	Lower	Upper	
75	100		
53	100.2	83.6	125.4
89	45.0	36.3	54.5

Manual Integrations
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10/3/2019 10:50:45 AM



#82

4-Chlorotoluene

Concen: 18.492 ug/l

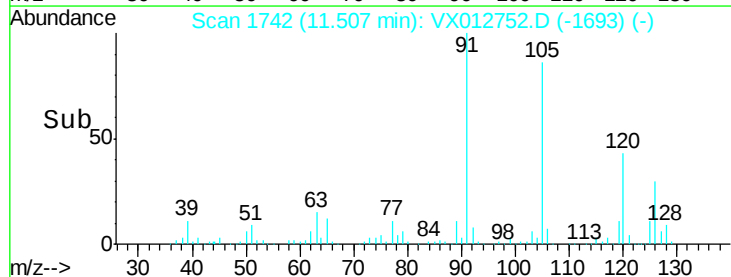
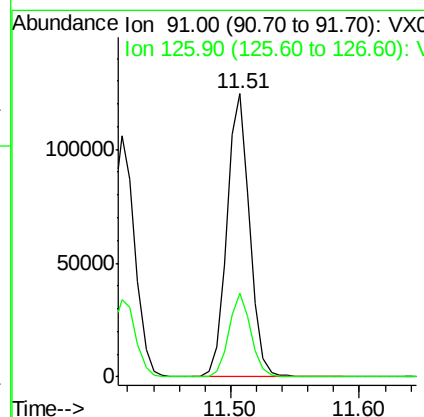
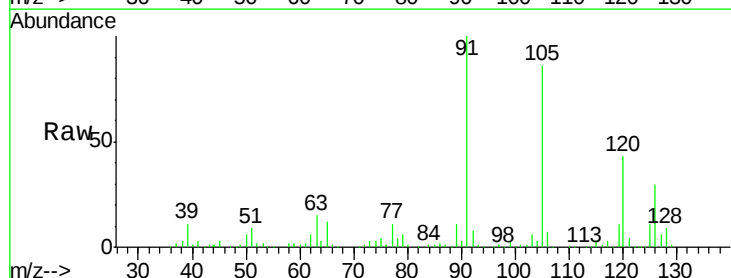
RT: 11.51 min Scan# 1742

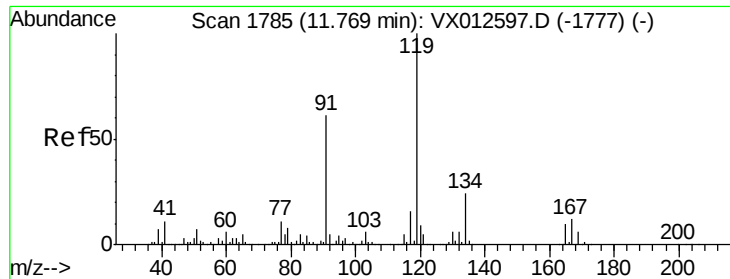
Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion:	91	Resp:	154180
Ion Ratio	Lower	Upper	
91	100		
126	28.7	14.4	43.0





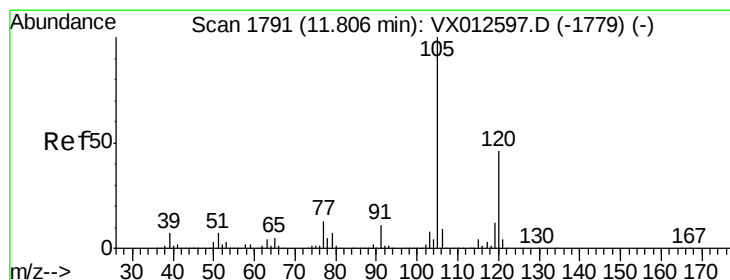
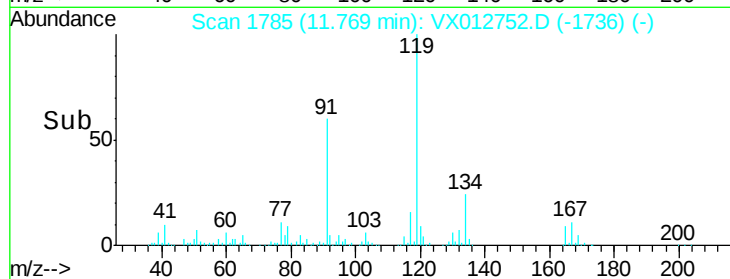
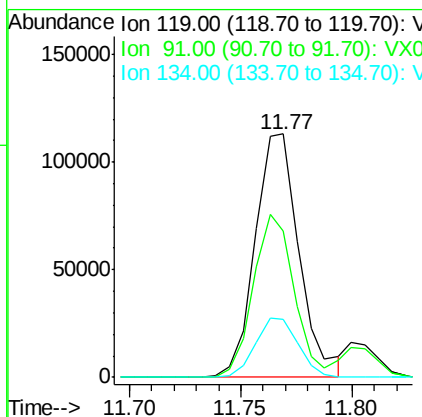
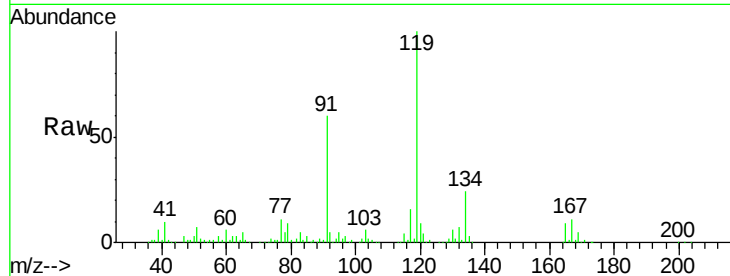
#83
tert-Butylbenzene
Concen: 18.495 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampled :
VX1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155806		
91	62.0	30.0	90.0	
134	23.5	11.3	33.9	

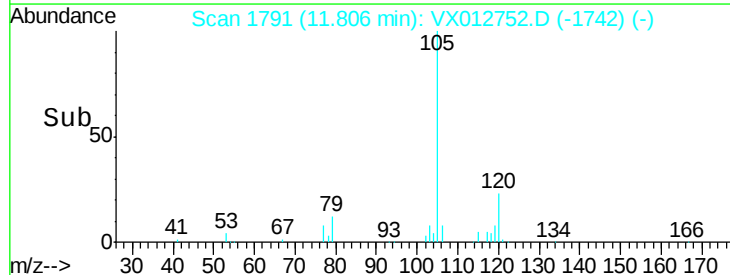
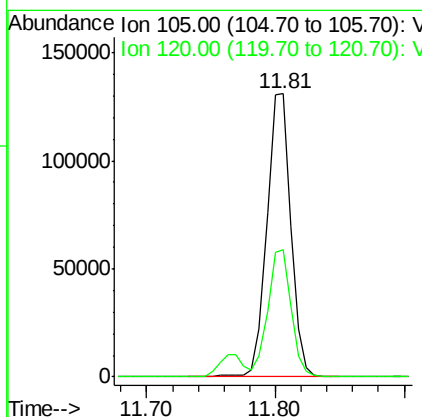
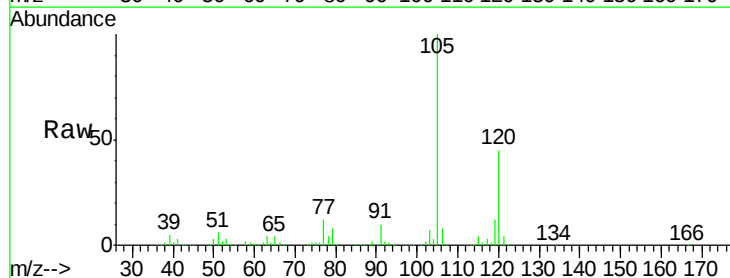
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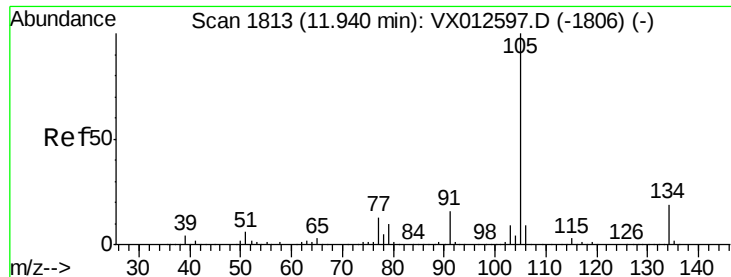
MMDadoda
10/3/2019 10:50:45 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.305 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	170071		
120	43.7	22.2	66.6	





#85

sec-Butylbenzene

Concen: 19.237 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampled :

VX1002WBS01

Tot Ion:105 Resp: 188494

Ion Ratio Lower Upper

105 100

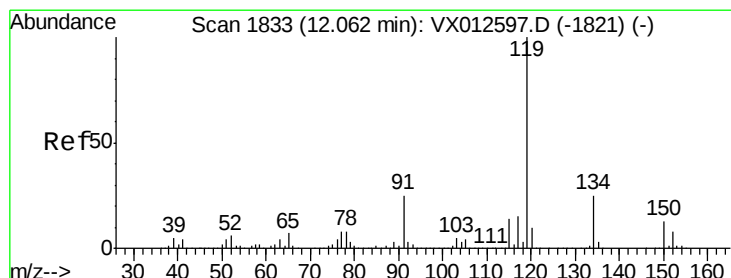
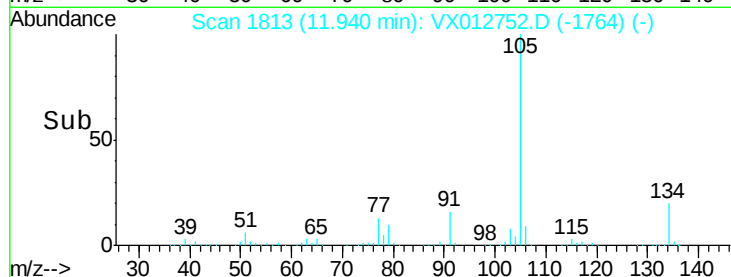
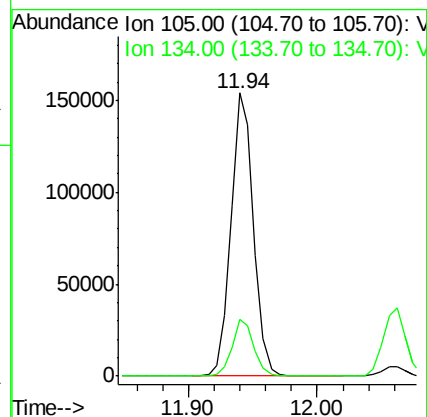
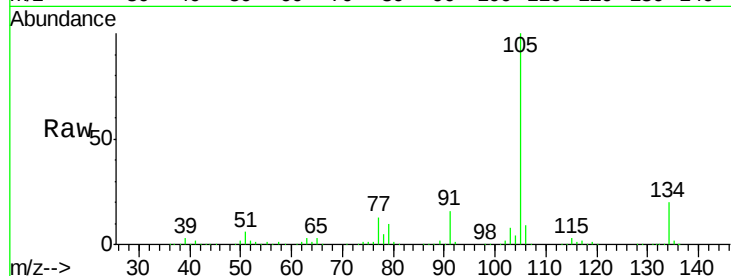
134 19.3 9.8 29.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.406 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

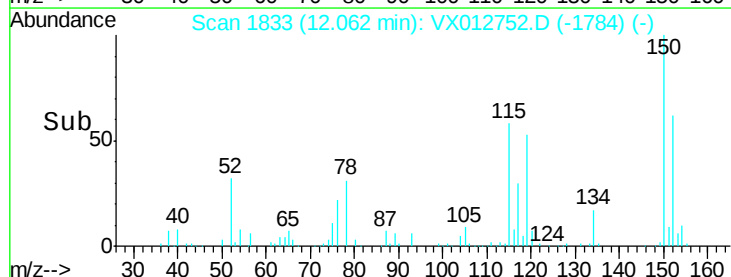
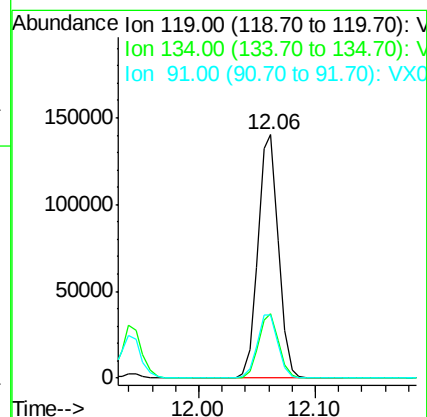
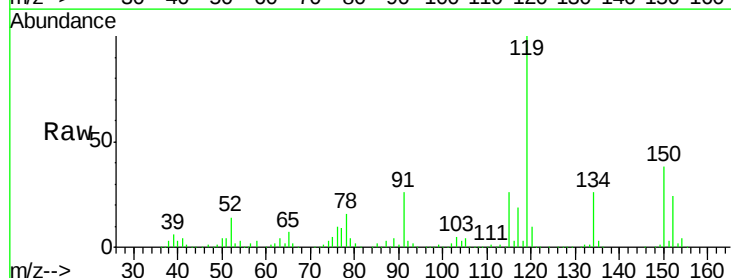
Tgt Ion:119 Resp: 171573

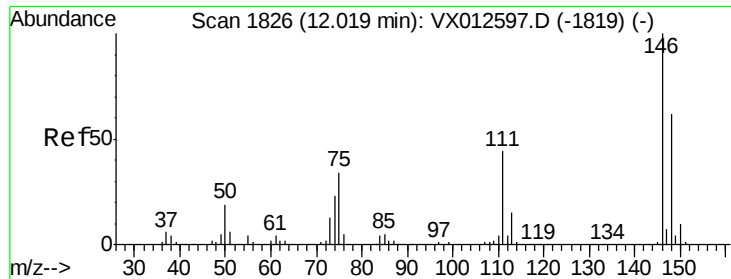
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 26.4 12.8 38.4





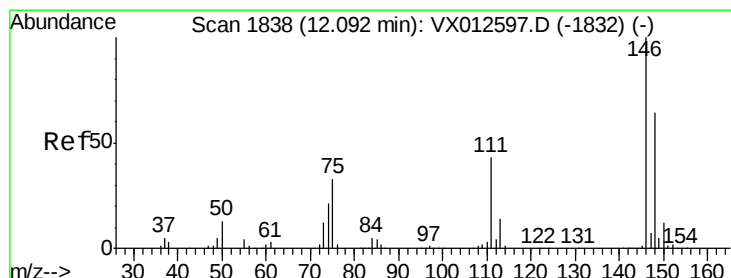
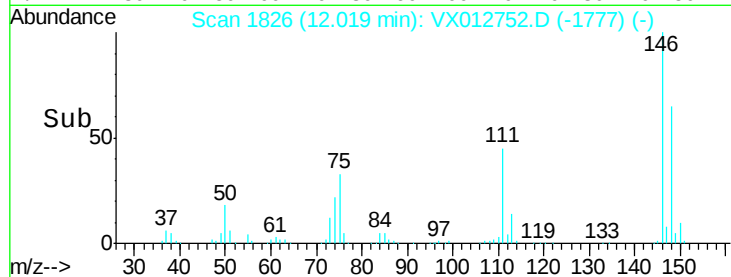
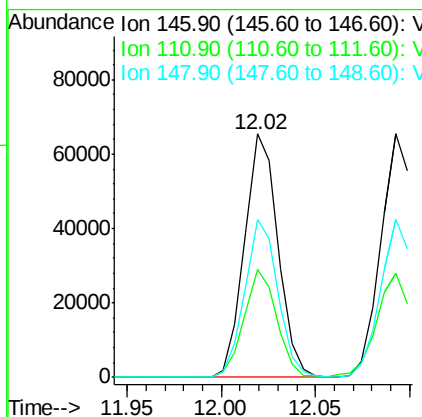
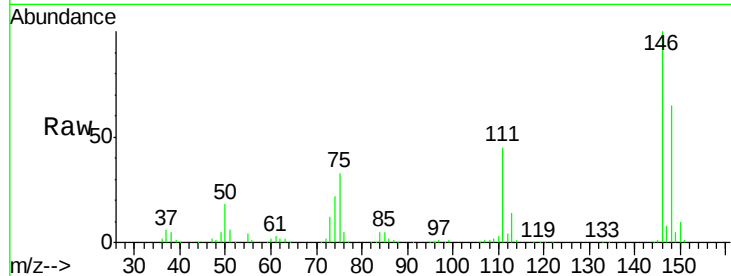
#87
 1,3-Dichlorobenzene
 Concen: 19.128 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	64.0
148	64.0	32.4	97.2

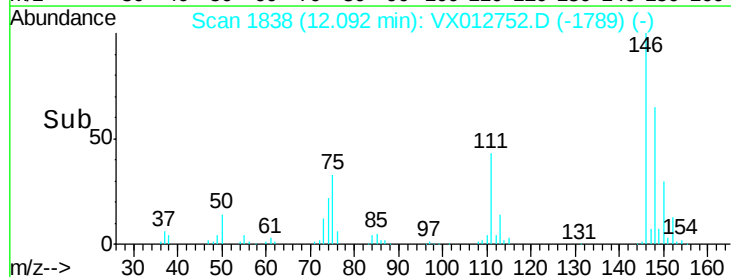
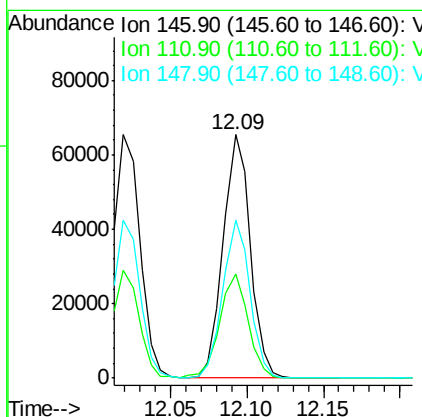
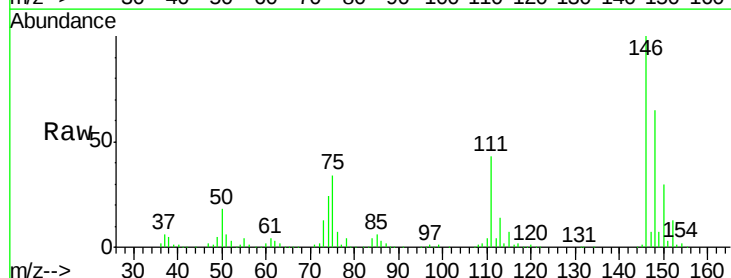
Manual Integrations
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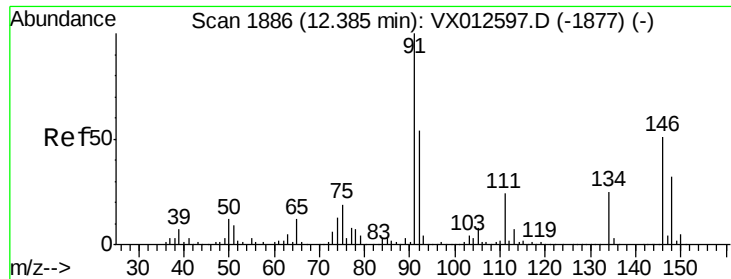
MMDadoda
 10/3/2019 10:50:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.874 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.1	63.3
148	65.1	32.1	96.5





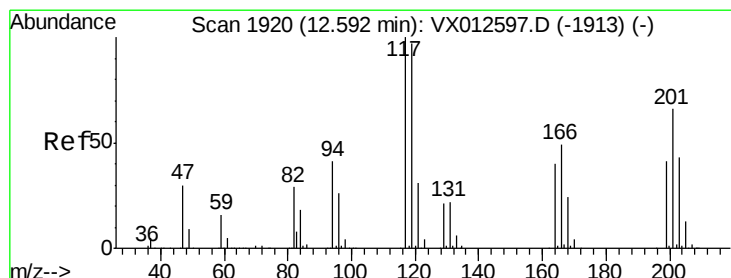
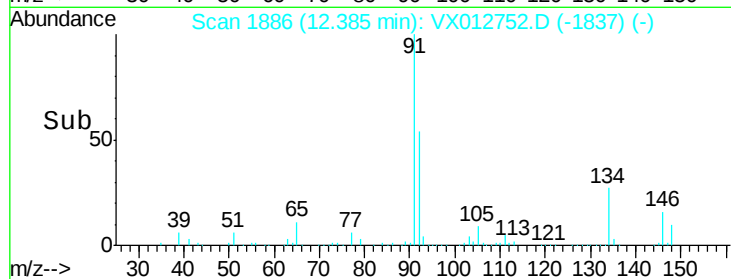
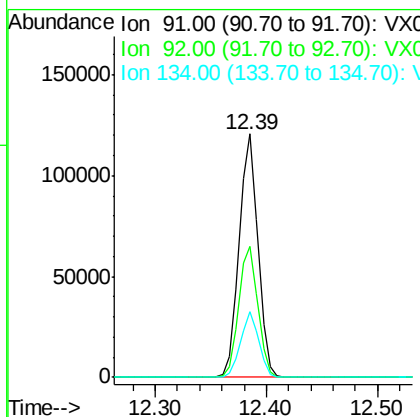
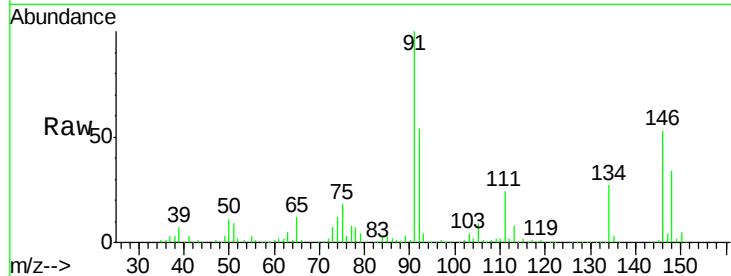
#89
n-Butylbenzene
Concen: 18.162 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.7	83.0
134	26.2	12.9	38.6

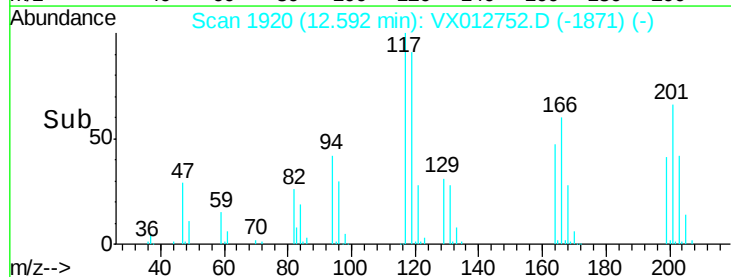
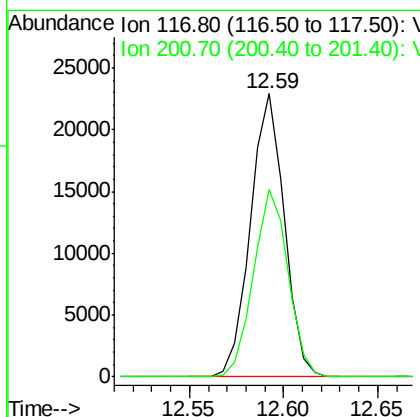
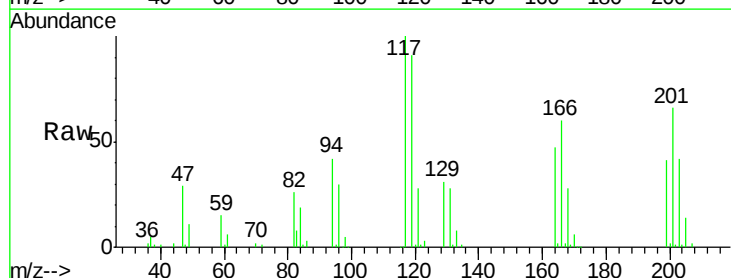
Manual Integrations
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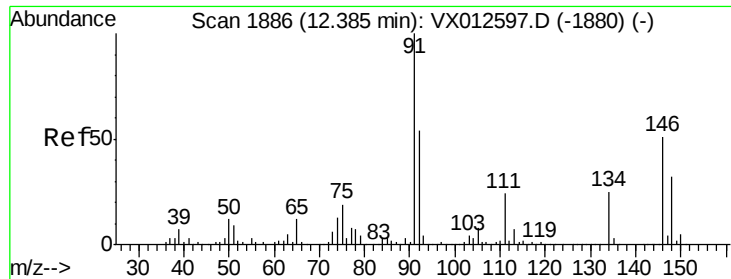
MMDadoda
10/3/2019 10:50:45 AM



#90
Hexachloroethane
Concen: 18.096 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012752.D
Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.5	33.3	99.8





#91

1,2-Dichlorobenzene

Concen: 19.238 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

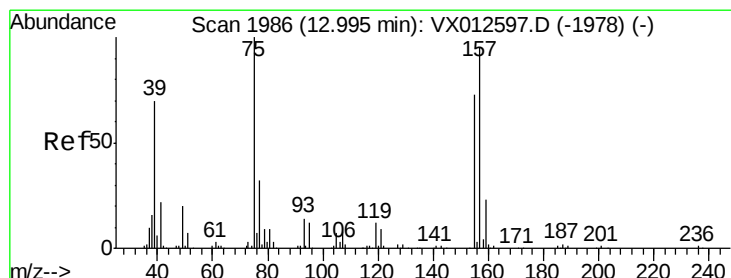
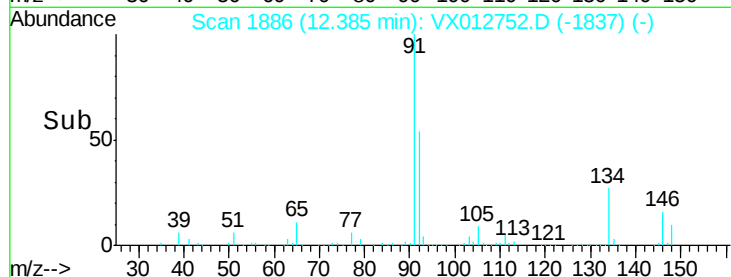
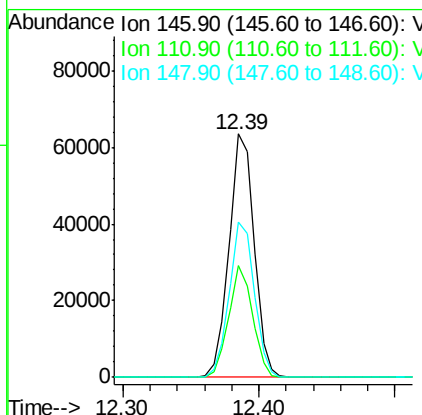
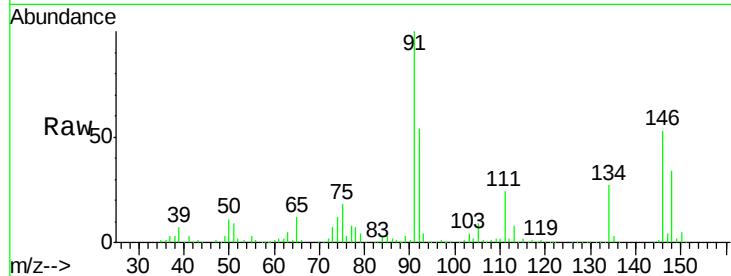
ClientSampleId :

VX1002WBS01

Tot Ion:	146	Resp:	81697
Ion Ratio	Lower	Upper	
146	100		
111	43.9	22.1	66.1
148	64.0	31.3	93.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.634 ug/l

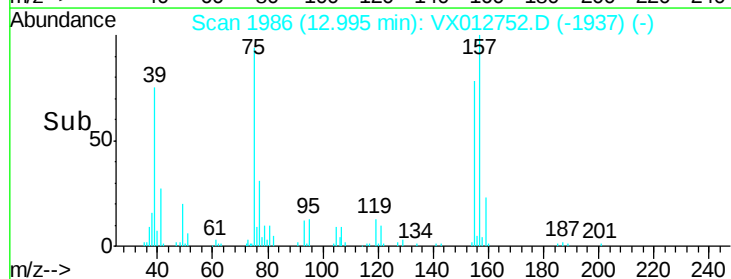
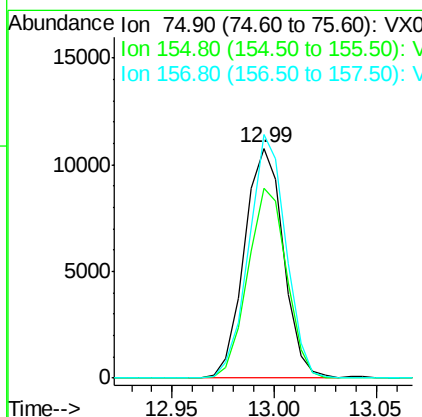
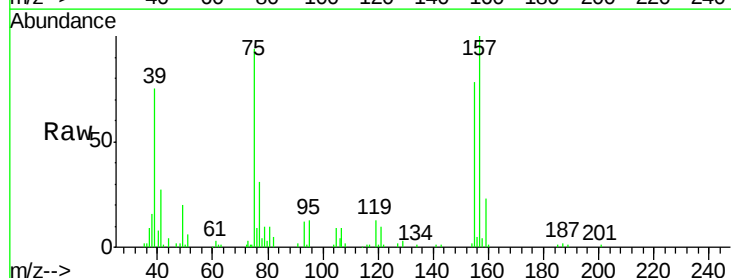
RT: 12.99 min Scan# 1986

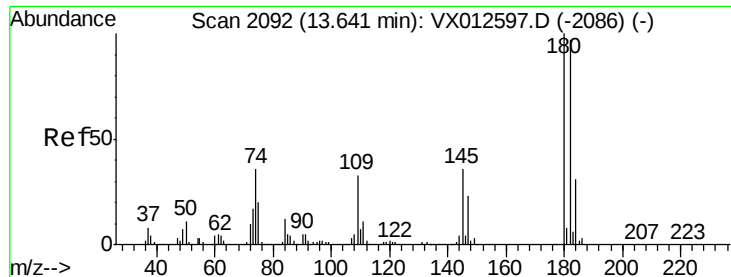
Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion:	75	Resp:	14351
Ion Ratio	Lower	Upper	
75	100		
155	81.9	38.6	115.8
157	100.8	50.6	151.9





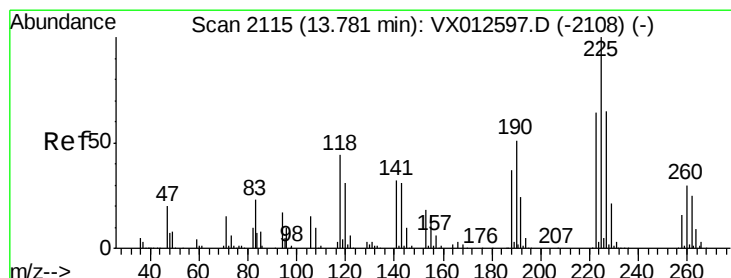
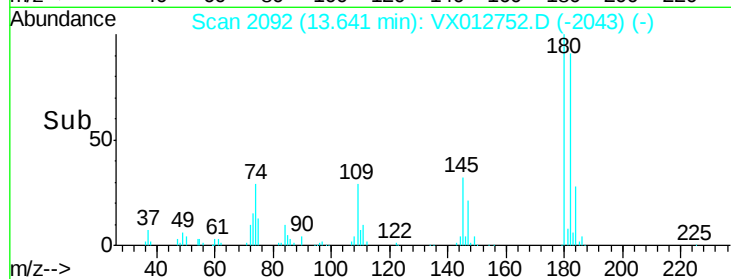
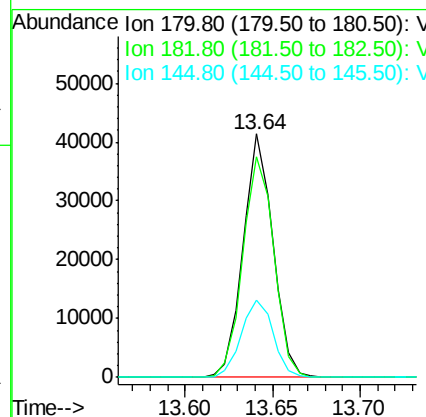
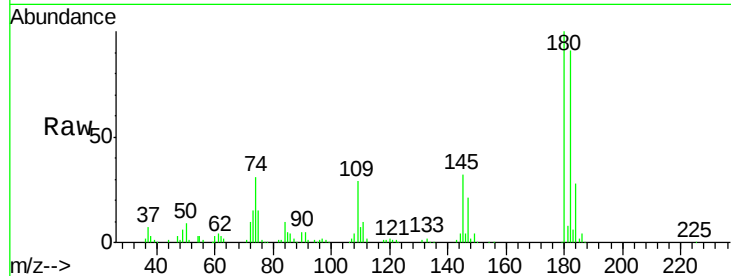
#93
 1,2,4-Trichlorobenzene
 Concen: 18.911 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampled :
 VX1002WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48975		
182	94.5		47.0	141.0
145	33.9		16.8	50.4

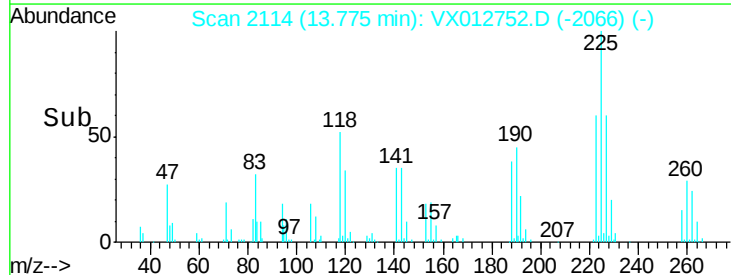
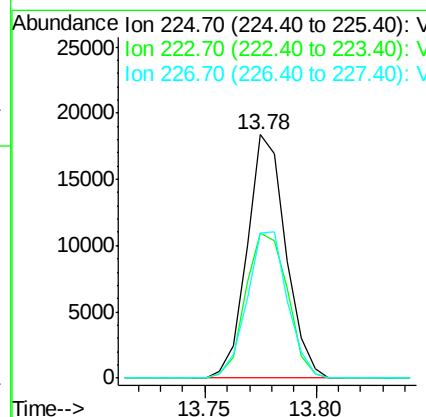
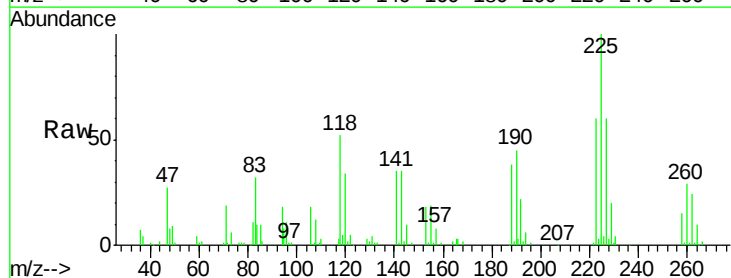
Manual Integrations
 APPROVED

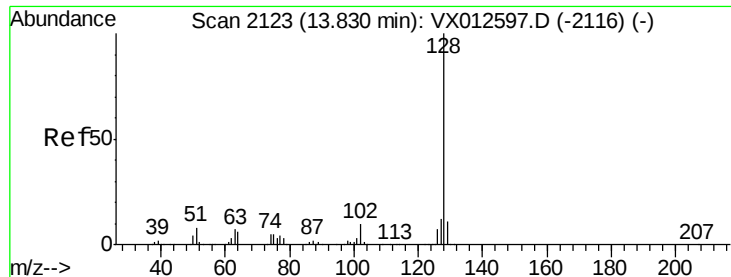
MMDadoda
 10/3/2019 10:50:45 AM



#94
 Hexachlorobutadiene
 Concen: 19.949 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012752.D
 Acq: 02 Oct 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22226		
223	64.7		32.0	96.2
227	63.1		31.9	95.5





#95

Naphthalene

Concen: 18.888 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Instrument :

MSVOA_X

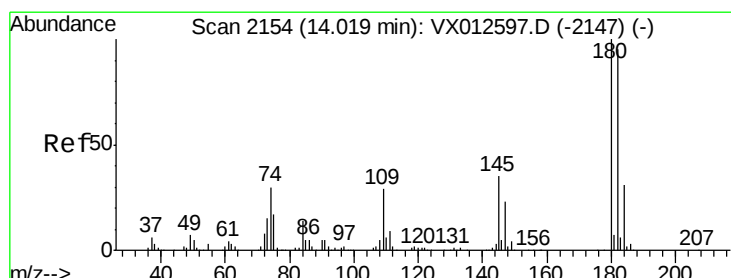
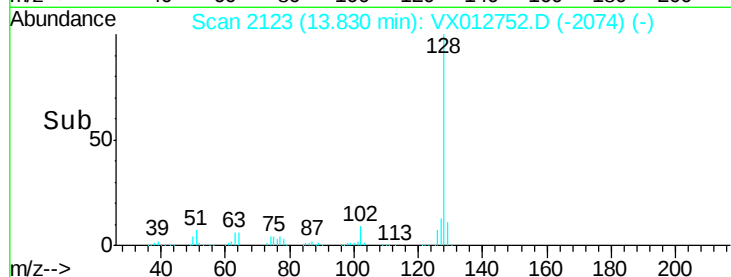
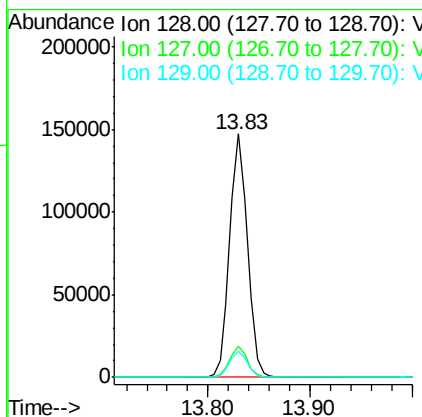
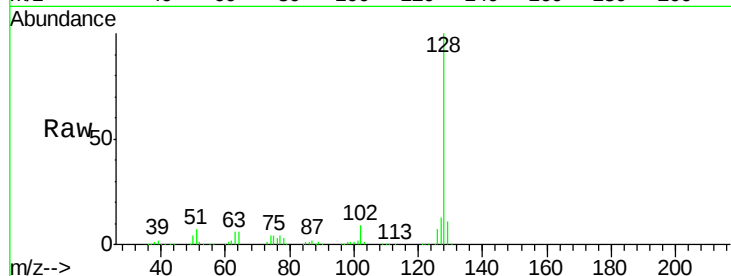
ClientSampleId :

VX1002WBS01

Tot Ion:	128	Resp:	176976
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.7	8.8	13.2

Manual Integrations
APPROVED

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10/3/2019 10:50:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.510 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012752.D

Acq: 02 Oct 2019 11:43

Tgt Ion:	180	Resp:	50613
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.3
145	34.5	18.0	54.0

