

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012253.D
 Acq On : 10 Sep 2019 14:08
 Operator : SY/SP
 Sample : VX0910SBS01
 Misc : 5.00µg/5.0mL/MSVOA X/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:00:45 AM

Quant Time: Sep 11 01:50:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	127056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	222884	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	104756	58.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.64%	
35) Dibromofluoromethane	5.48	113	81849	57.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.58%	
50) Toluene-d8	8.71	98	308609	61.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.16%	
62) 4-Bromofluorobenzene	11.14	95	132288	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	24522	23.606	ug/l	99
3) Chloromethane	1.31	50	22073	23.573	ug/l	96
4) Vinyl Chloride	1.40	62	21985	23.680	ug/l	98
5) Bromomethane	1.62	94	10147	24.614	ug/l	100
6) Chloroethane	1.70	64	13803	22.233	ug/l	98
7) Trichlorofluoromethane	1.92	101	39421	23.461	ug/l	99
8) Diethyl Ether	2.17	74	13360	23.301	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	27359	24.159	ug/l	99
10) Methyl Iodide	2.50	142	24016	22.282	ug/l	98
11) Tert butyl alcohol	3.04	59	19201m	94.934	ug/l	
12) 1,1-Dichloroethene	2.36	96	23344	24.281	ug/l	98
13) Acrolein	2.28	56	11305	120.391	ug/l	92
14) Allyl chloride	2.72	41	45086	23.001	ug/l	98
15) Acrylonitrile	3.13	53	40565	114.453	ug/l	99
16) Acetone	2.44	43	43486	102.262	ug/l	99
17) Carbon Disulfide	2.55	76	47032	23.296	ug/l	97
18) Methyl Acetate	2.76	43	19645	21.979	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	88852	23.402	ug/l	99
20) Methylene Chloride	2.84	84	34084	24.338	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	26745	23.316	ug/l	96
22) Diisopropyl ether	3.84	45	102299	22.820	ug/l	96
23) Vinyl Acetate	3.80	43	322183	117.142	ug/l	99
24) 1,1-Dichloroethane	3.68	63	55420	23.080	ug/l	99
25) 2-Butanone	4.67	43	61016	112.242	ug/l	95
26) 2,2-Dichloropropane	4.56	77	52176	23.145	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	34929	23.586	ug/l	98
28) Bromochloromethane	5.00	49	23899	21.222	ug/l	97
29) Tetrahydrofuran	5.12	42	35627	121.469	ug/l	99
30) Chloroform	5.19	83	63512	23.456	ug/l	99
31) Cyclohexane	5.57	56	39382	23.611	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	52963	22.780	ug/l	98
36) 1,1-Dichloropropene	5.78	75	38821	23.887	ug/l	98
37) Ethyl Acetate	4.82	43	25328	25.211	ug/l	98
38) Carbon Tetrachloride	5.77	117	44535	23.356	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	41561	23.303	ug/l	98
40) Benzene	6.13	78	115818	23.546	ug/l	98
41) Methacrylonitrile	5.03	41	15052	24.303	ug/l	97
42) 1,2-Dichloroethane	6.18	62	44903	23.097	ug/l	98
43) Isopropyl Acetate	6.43	43	50956	24.058	ug/l	99
44) Trichloroethene	7.20	130	31325	23.532	ug/l	98
45) 1,2-Dichloropropane	7.51	63	31160	22.886	ug/l #	88
46) Dibromomethane	7.65	93	17322	23.279	ug/l	97
47) Bromodichloromethane	7.89	83	46357	22.828	ug/l #	98
48) Methyl methacrylate	7.76	41	23905	23.579	ug/l	99
49) 1,4-Dioxane	7.73	88	6450	471.473	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	127994	114.498	ug/l	100
52) Toluene	8.78	92	76716	23.613	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	47366	23.370	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	51613	22.965	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	27401	23.769	ug/l	97
56) Ethyl methacrylate	9.17	69	36631	23.468	ug/l	99
57) 1,3-Dichloropropane	9.37	76	46119	23.423	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	91944	114.929	ug/l	99
59) 2-Hexanone	9.49	43	92910	119.535	ug/l	100
60) Dibromochloromethane	9.58	129	31944	23.736	ug/l	99
61) 1,2-Dibromoethane	9.67	107	25168	23.453	ug/l	99
64) Tetrachloroethene	9.33	164	25292	23.408	ug/l	98
65) Chlorobenzene	10.14	112	88283	23.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	32607	23.172	ug/l	99
67) Ethyl Benzene	10.24	91	158080	23.810	ug/l	97
68) m/p-Xylenes	10.35	106	117143	47.931	ug/l	99
69) o-Xylene	10.70	106	57434	23.989	ug/l	99
70) Styrene	10.71	104	100150	23.587	ug/l	99
71) Bromoform	10.85	173	16183	22.178	ug/l #	100
73) Isopropylbenzene	11.01	105	157245	23.435	ug/l	99
74) N-amyl acetate	10.89	43	45901	23.008	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	34103	23.666	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	30412m	23.227	ug/l	
77) Bromobenzene	11.25	156	37444	24.239	ug/l	97
78) n-propylbenzene	11.35	91	193201	23.844	ug/l	99
79) 2-Chlorotoluene	11.42	91	117933	23.492	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	143356	23.758	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9913	22.685	ug/l	95
82) 4-Chlorotoluene	11.51	91	144041	23.876	ug/l	99
83) tert-Butylbenzene	11.77	119	136969	23.377	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	146877	23.547	ug/l	98
85) sec-Butylbenzene	11.94	105	164096	23.473	ug/l	98
86) p-Isopropyltoluene	12.06	119	153065	23.696	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	72844	23.148	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	74266	23.339	ug/l	96
89) n-Butylbenzene	12.38	91	150596	23.786	ug/l	99
90) Hexachloroethane	12.59	117	27085	22.764	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	68885	23.664	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6934	23.574	ug/l	98

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ClientSampleId :
VX0910SBS01

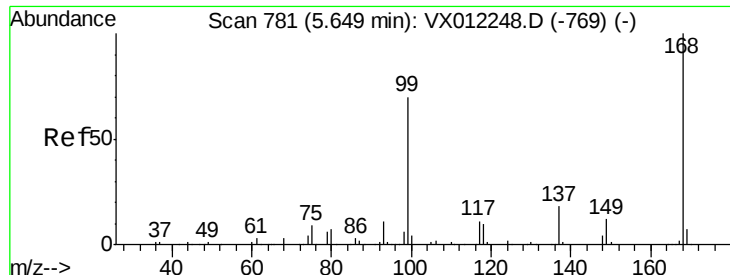
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QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	46868	23.314	µg/l	99
94) Hexachlorobutadiene	13.77	225	22902	22.900	µg/l	98
95) Naphthalene	13.83	128	101330	23.488	µg/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	41772	23.485	µg/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion:168 Resp: 127056

Ion Ratio Lower Upper

168 100

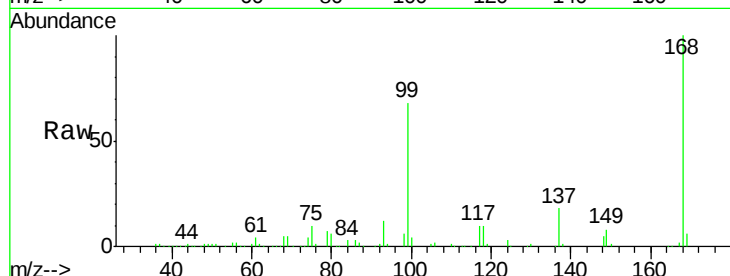
99 67.8 55.8 83.6

Manual Integrations

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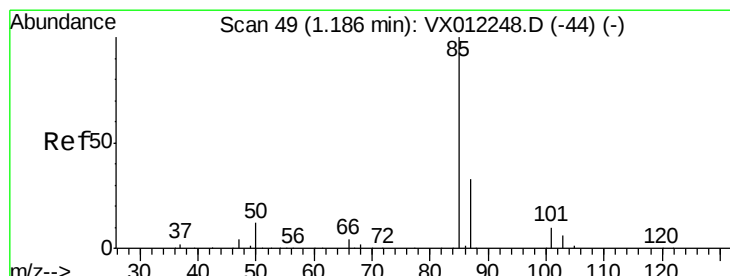
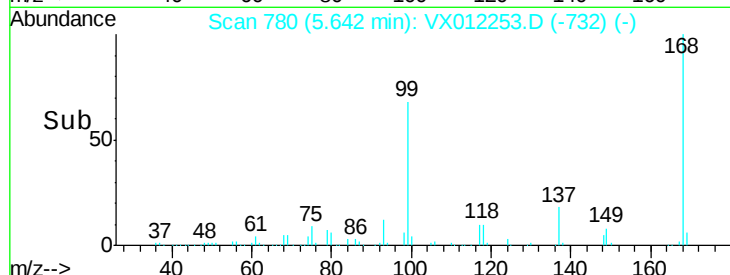


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 23.606 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012253.D

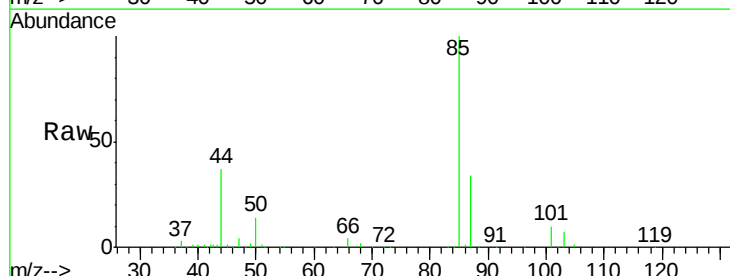
Acq: 10 Sep 2019 14:08

Tgt Ion: 85 Resp: 24522

Ion Ratio Lower Upper

85 100

87 33.8 16.7 50.0

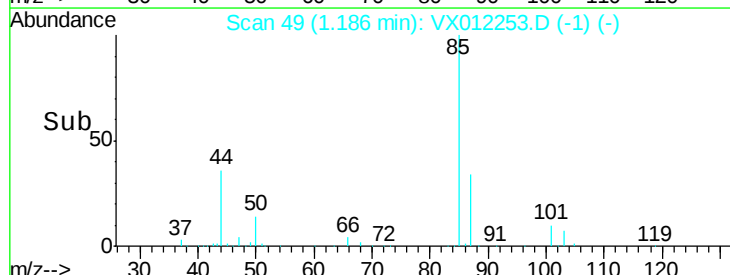


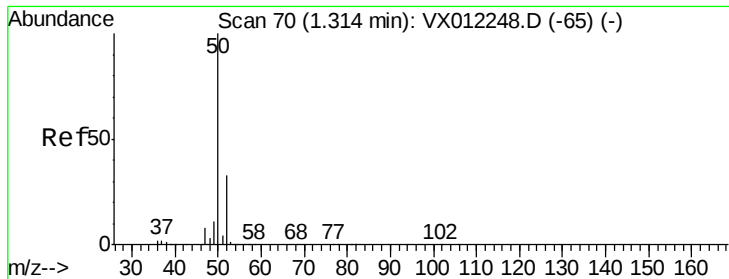
Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

1.15 1.20 1.25





#3

Chloromethane

Concen: 23.573 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 50 Resp: 22073

Ion Ratio Lower Upper

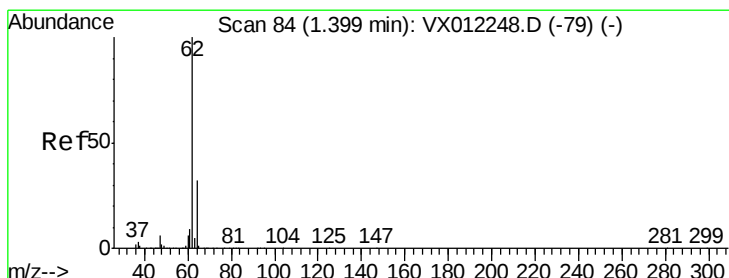
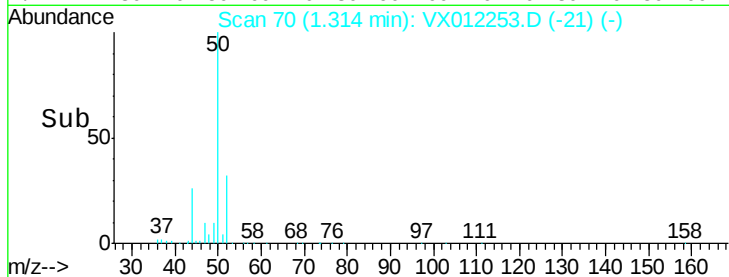
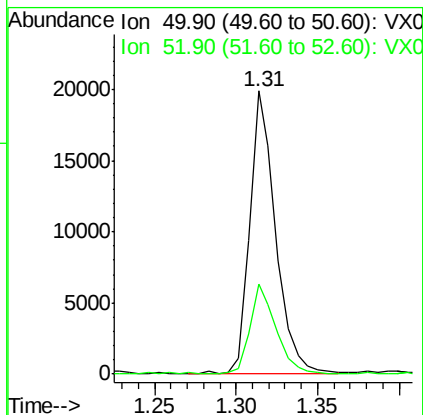
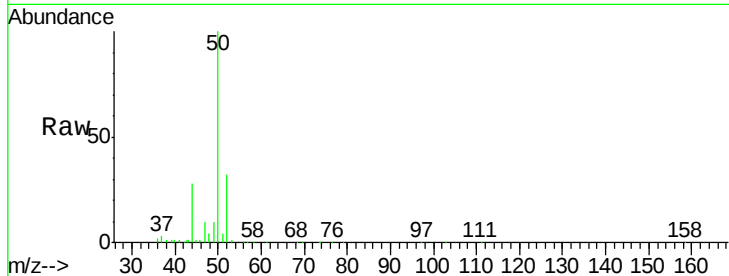
50 100

52 31.3 26.7 40.1

Manual Integrations
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9/12/2019 9:00:45 AM



#4

Vinyl Chloride

Concen: 23.680 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012253.D

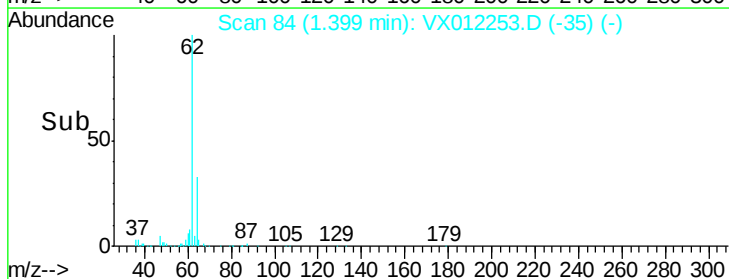
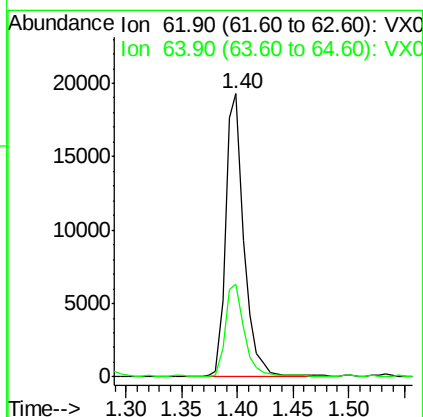
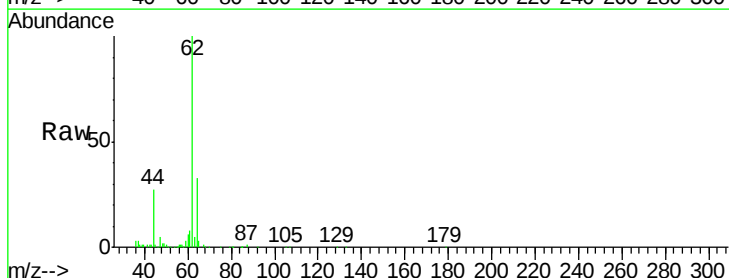
Acq: 10 Sep 2019 14:08

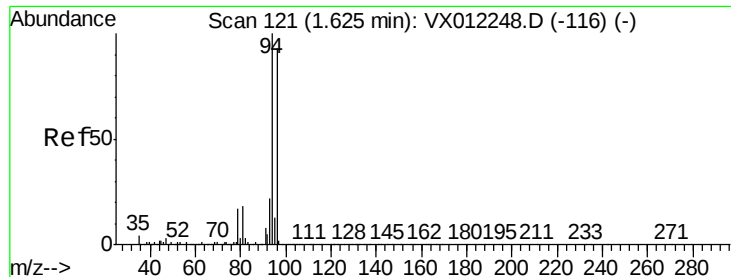
Tgt Ion: 62 Resp: 21985

Ion Ratio Lower Upper

62 100

64 32.8 25.5 38.3





#5

Bromomethane

Concen: 24.614 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 94 Resp: 10147

Ion Ratio Lower Upper

94 100

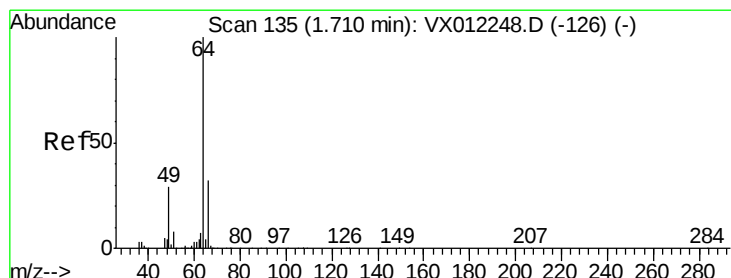
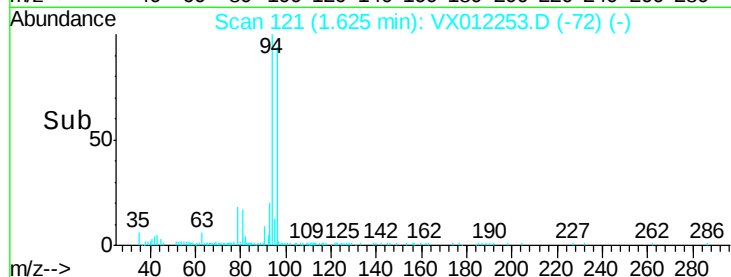
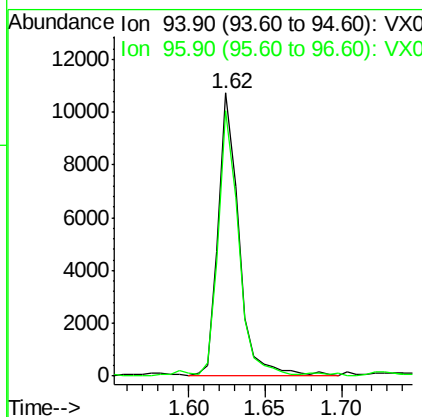
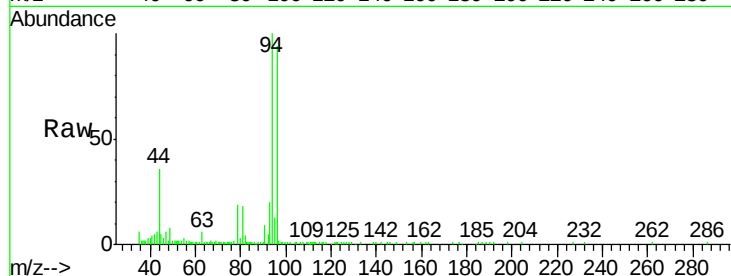
96 92.8 74.0 111.0

Manual Integrations

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9/12/2019 9:00:45 AM



#6

Chloroethane

Concen: 22.233 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012253.D

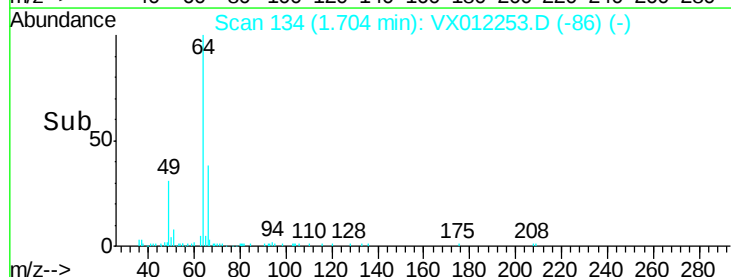
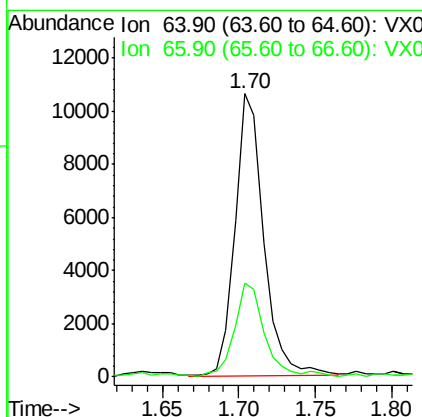
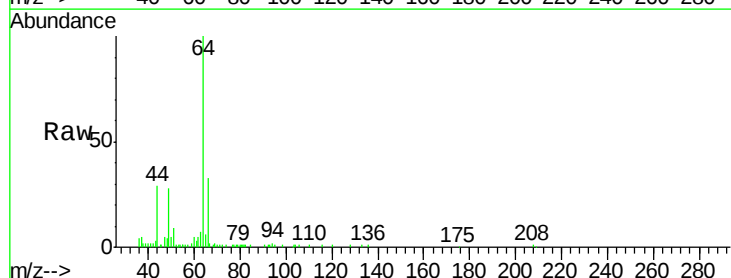
Acq: 10 Sep 2019 14:08

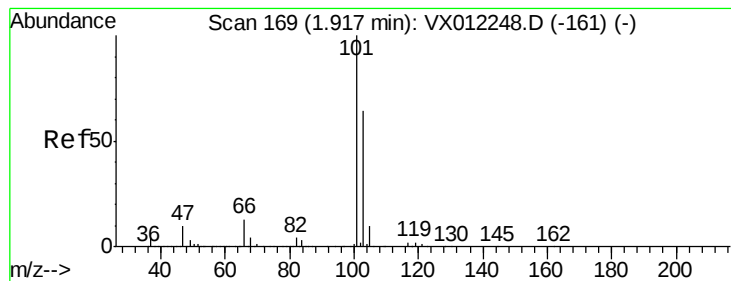
Tgt Ion: 64 Resp: 13803

Ion Ratio Lower Upper

64 100

66 33.2 25.8 38.6





#7

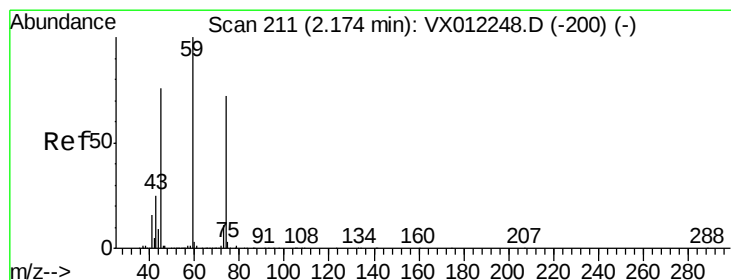
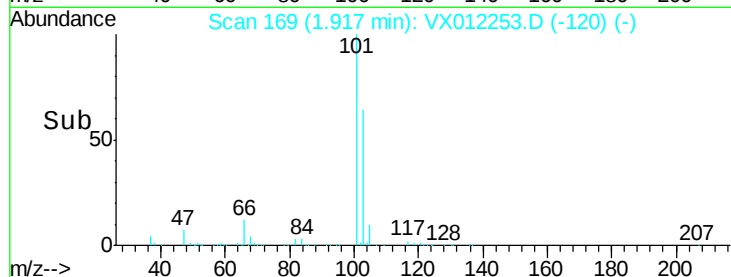
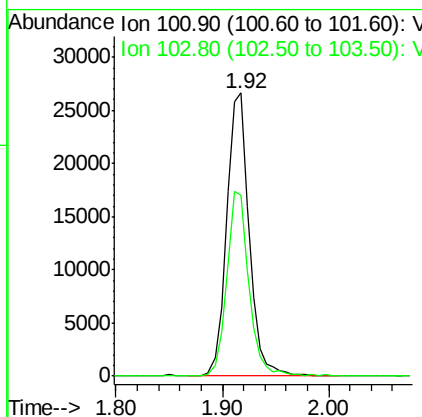
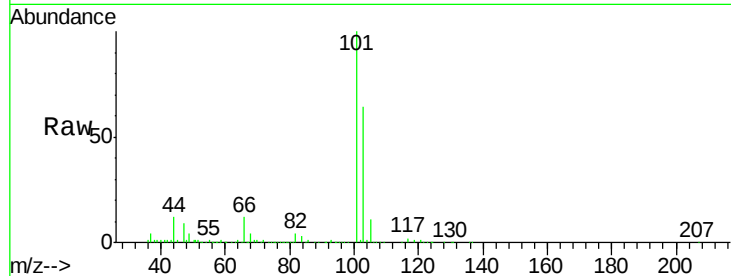
Trichlorofluoromethane
 Concen: 23.461 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Instrument :
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 ClientSampleId :
 VX0910SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

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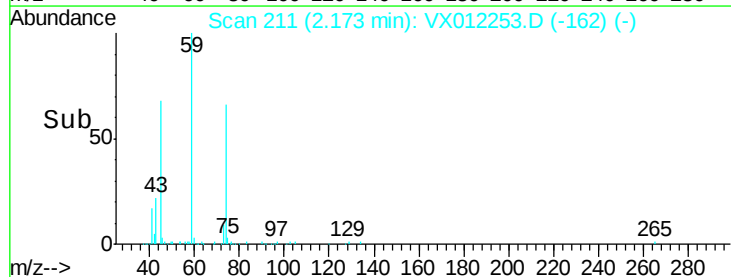
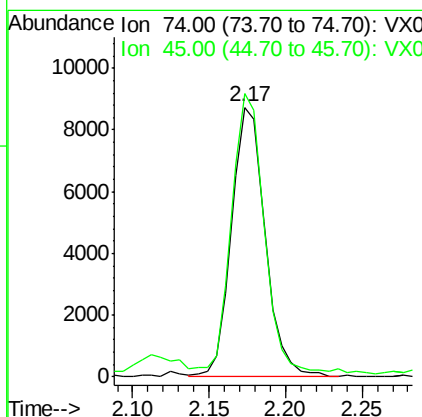
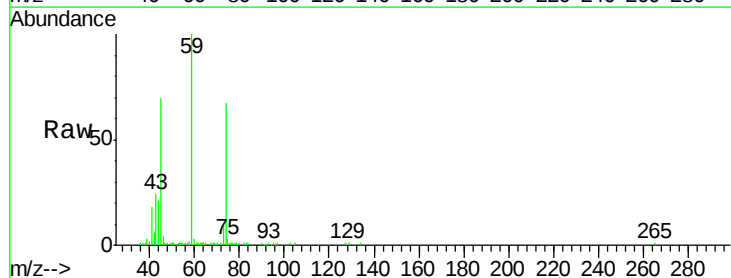
MMDadoda
 9/12/2019 9:00:45 AM

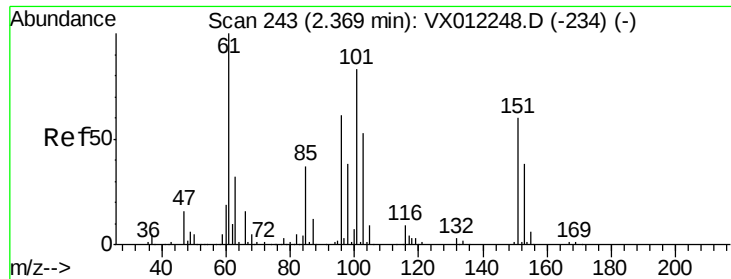


#8

Diethyl Ether
 Concen: 23.301 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.159 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

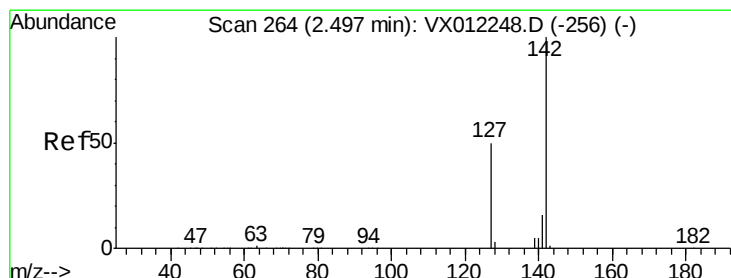
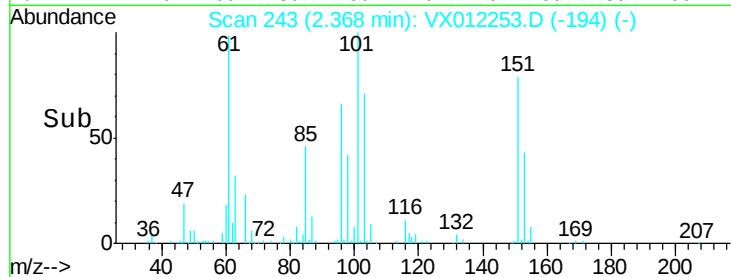
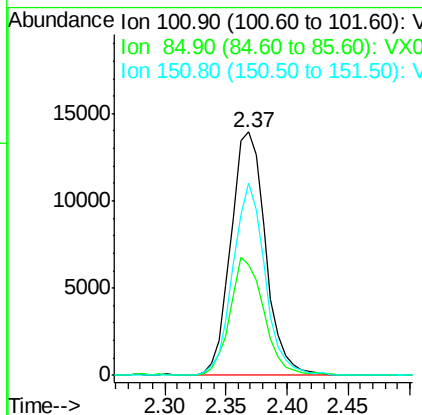
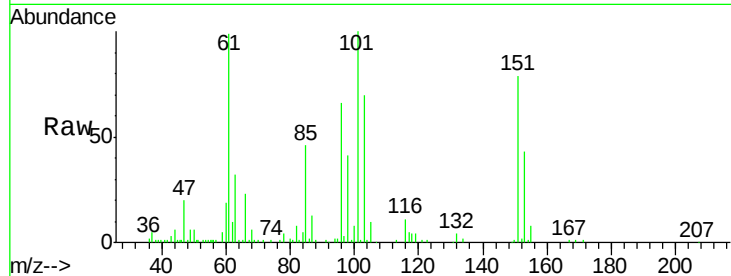
ClientSampleId :

VX0910SBS01

Tot Ion:	101	Resp:	27359
Ion Ratio	Lower	Upper	
101	100		
85	47.2	37.0	55.6
151	73.1	58.6	87.8

Manual Integrations
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9/12/2019 9:00:45 AM



#10

Methyl Iodide

Concen: 22.282 ug/l

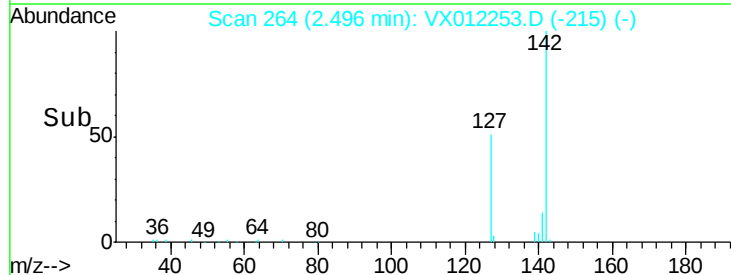
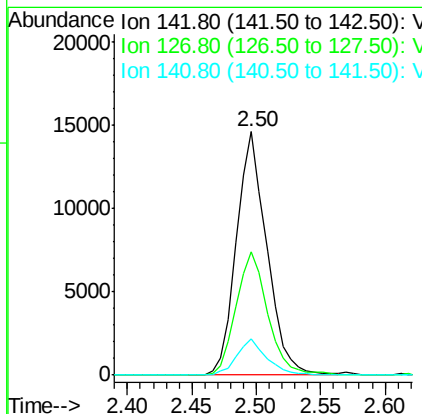
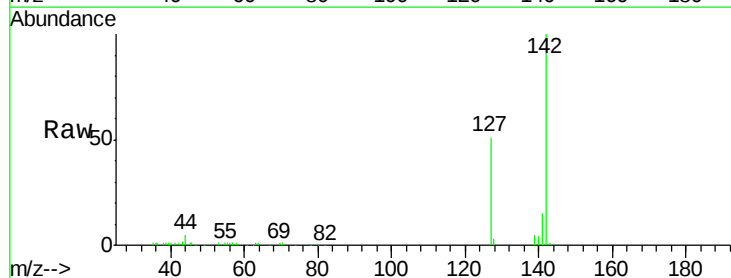
RT: 2.50 min Scan# 264

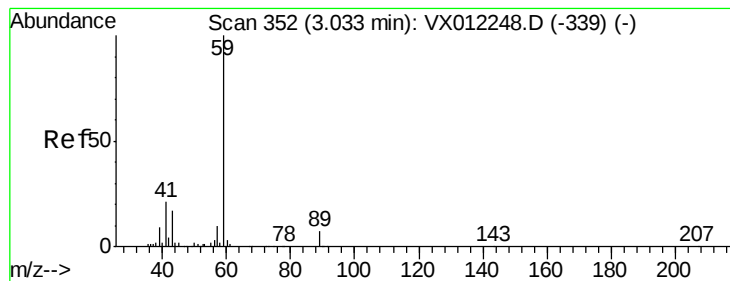
Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion:	142	Resp:	24016
Ion Ratio	Lower	Upper	
142	100		
127	52.7	40.6	61.0
141	14.4	12.0	18.0





#11

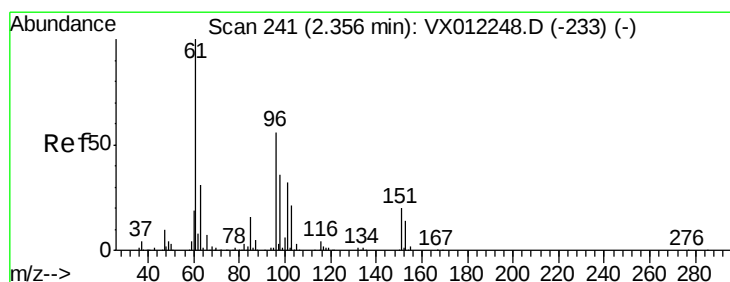
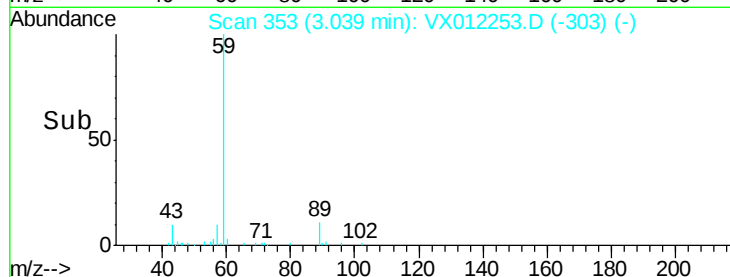
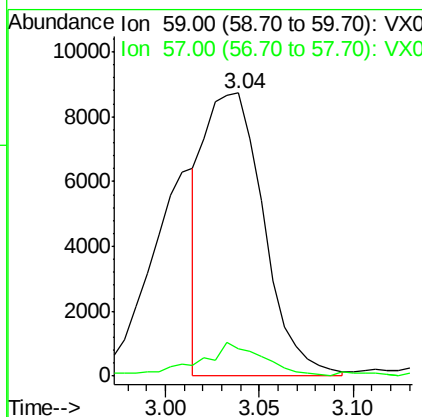
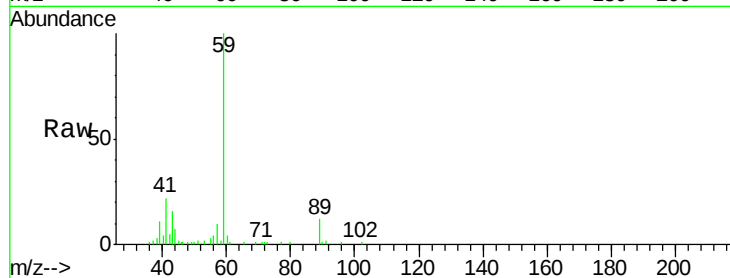
Tert butyl alcohol
 Concen: 94.934 ug/l m
 RT: 3.04 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.5	7.8	11.6#

Manual Integrations
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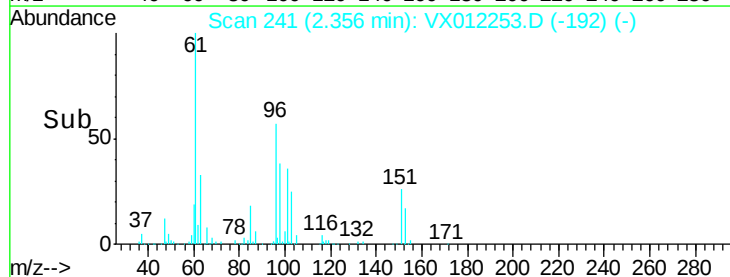
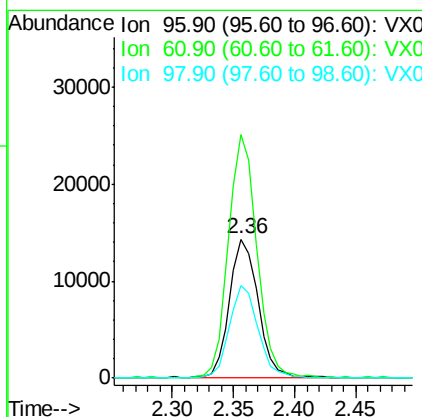
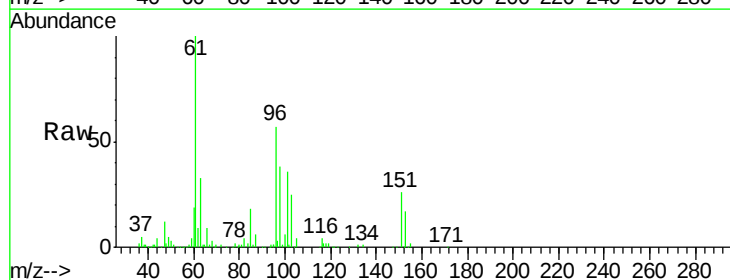
MMDadoda
 9/12/2019 9:00:45 AM

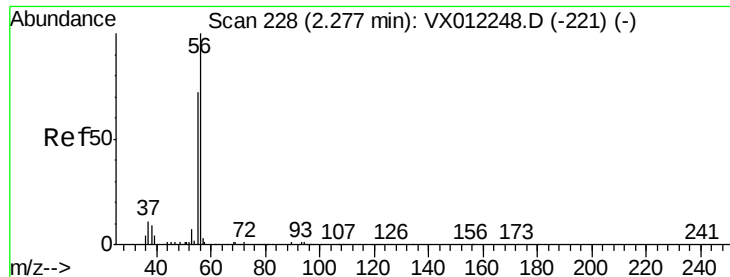


#12

1,1-Dichloroethene
 Concen: 24.281 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.4	142.2	213.2
98	66.1	51.3	76.9





#13

Acrolein

Concen: 120.391 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 56 Resp: 11305

Ion Ratio Lower Upper

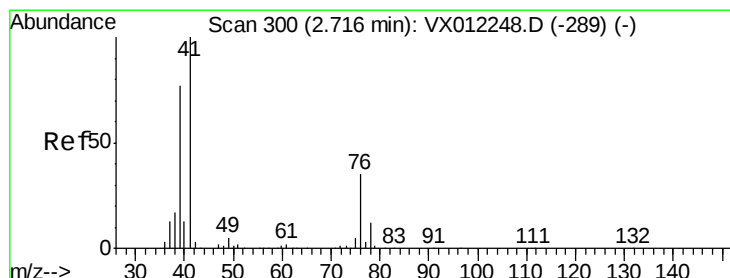
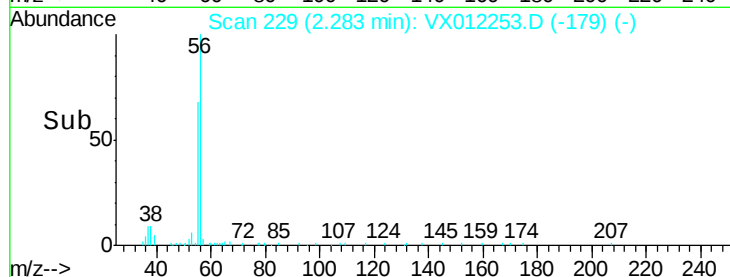
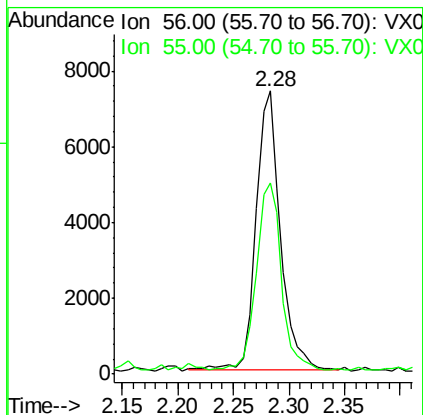
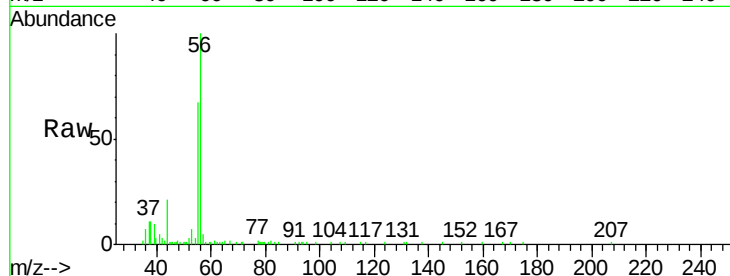
56 100

55 67.7 59.8 89.6

Manual Integrations
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9/12/2019 9:00:45 AM



#14

Allyl chloride

Concen: 23.001 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

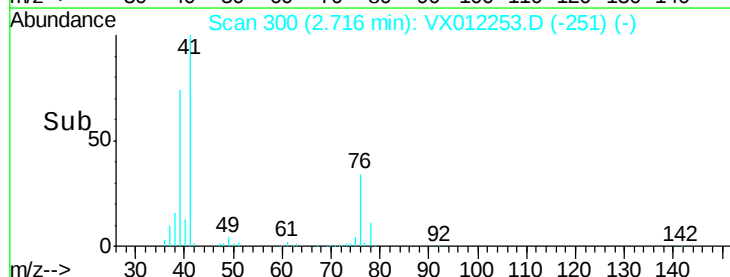
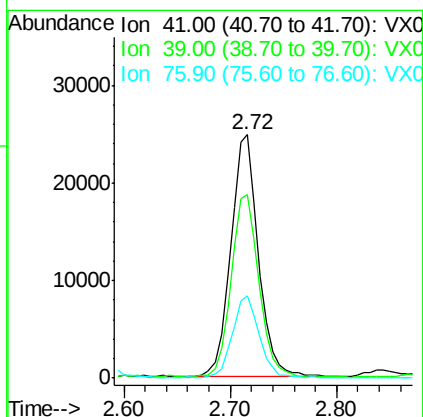
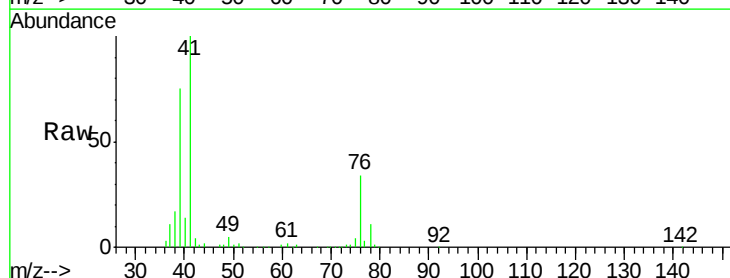
Tgt Ion: 41 Resp: 45086

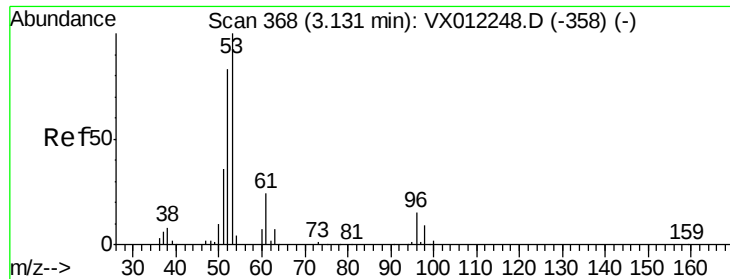
Ion Ratio Lower Upper

41 100

39 76.0 58.6 87.8

76 33.2 26.3 39.5





#15

Acrylonitrile

Concen: 114.453 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

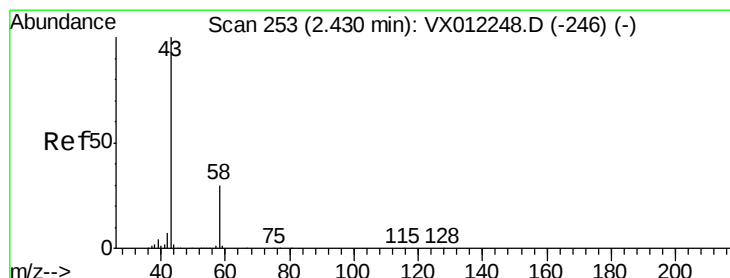
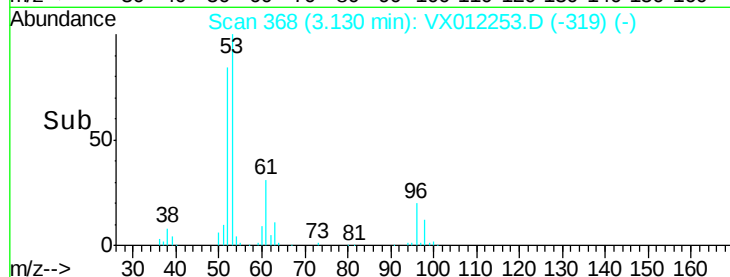
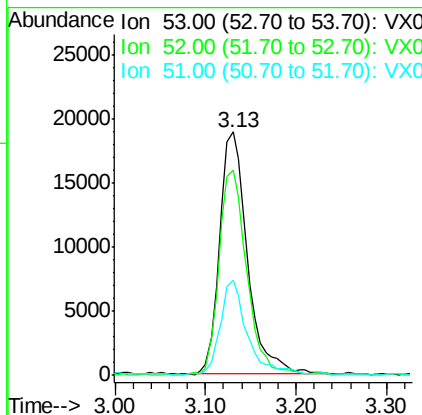
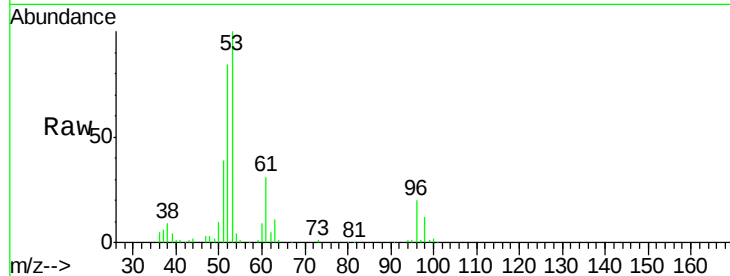
ClientSampleId :

VX0910SBS01

Tot Ion:	53	Resp:	40565
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.8	100.2
51	36.6	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 102.262 ug/l

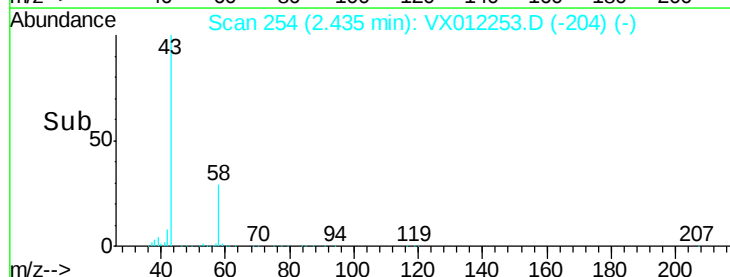
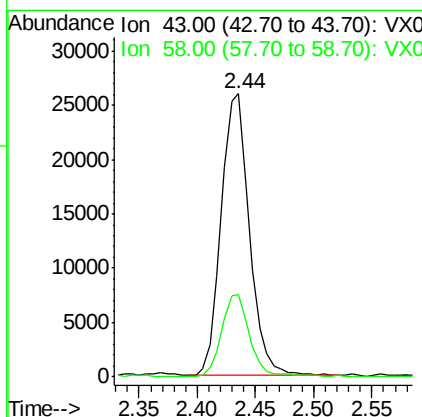
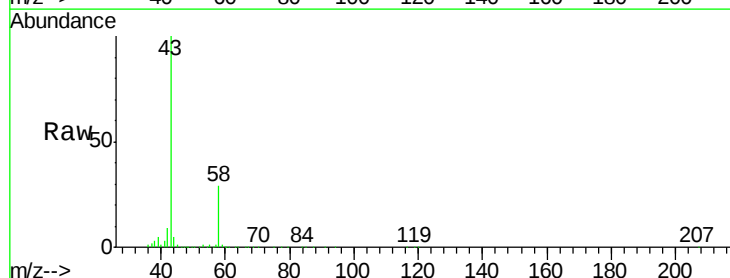
RT: 2.44 min Scan# 254

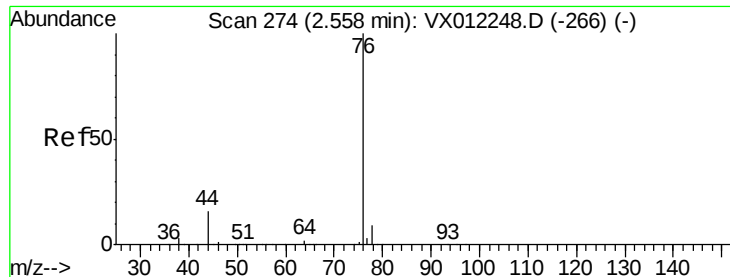
Delta R.T. 0.01 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion:	43	Resp:	43486
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.6	35.4





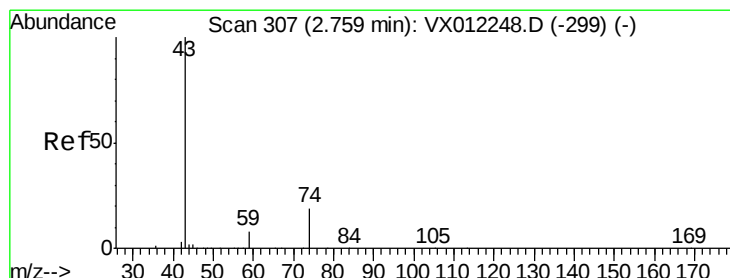
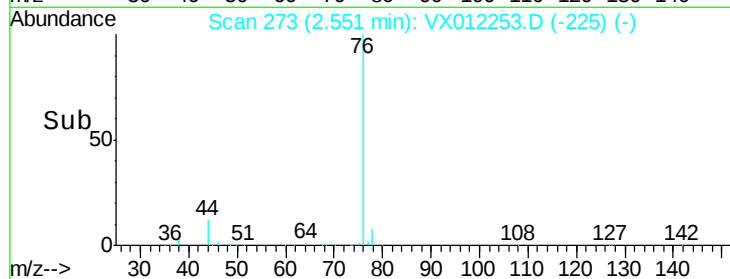
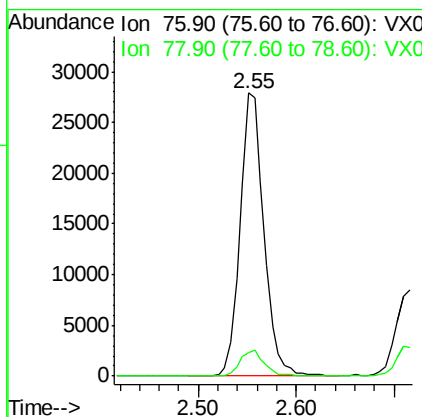
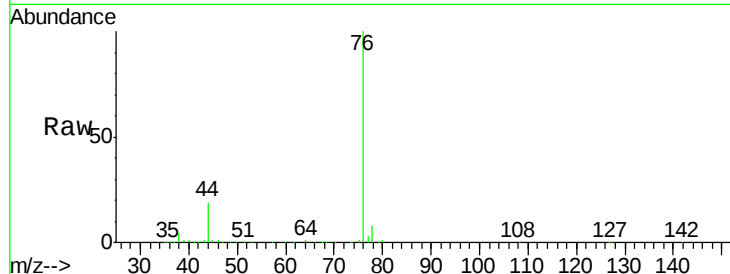
#17
Carbon Disulfide
Concen: 23.296 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	76	Resp	47032
Ion Ratio	100	Lower	Upper
76	100		
78	8.3	7.4	11.2

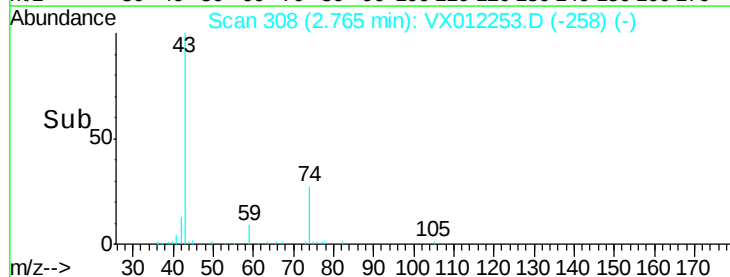
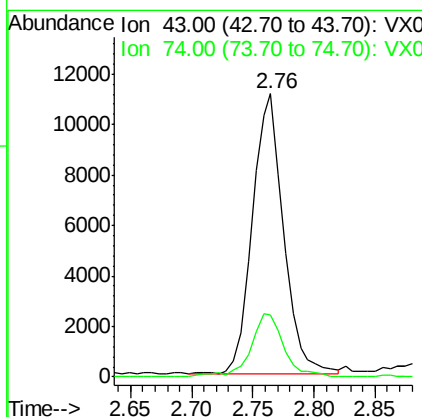
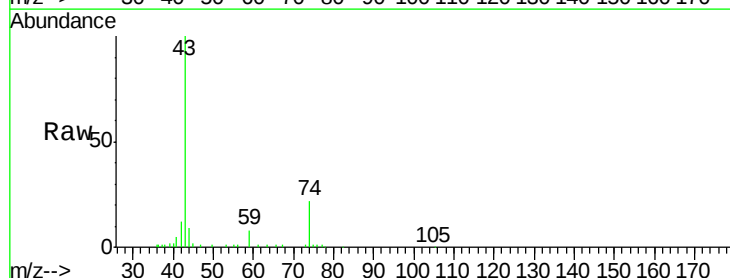
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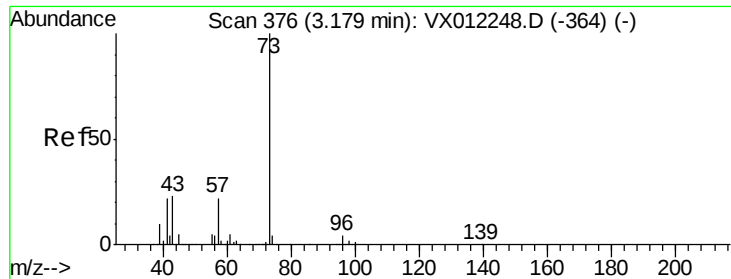
MMDadoda
9/12/2019 9:00:45 AM



#18
Methyl Acetate
Concen: 21.979 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.01 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	43	Resp	19645
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
43	100		
74	24.2	18.3	27.5





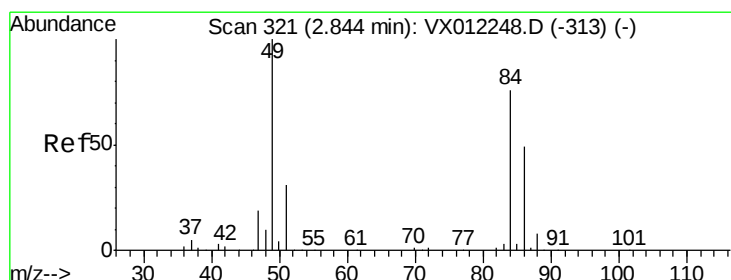
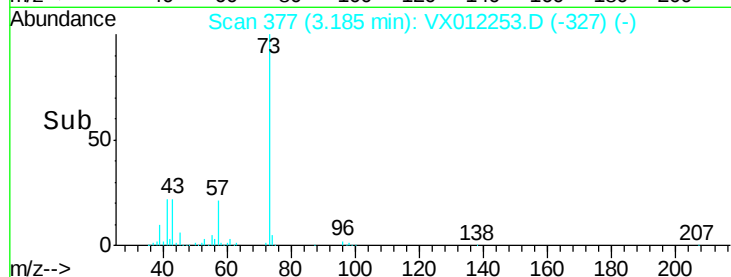
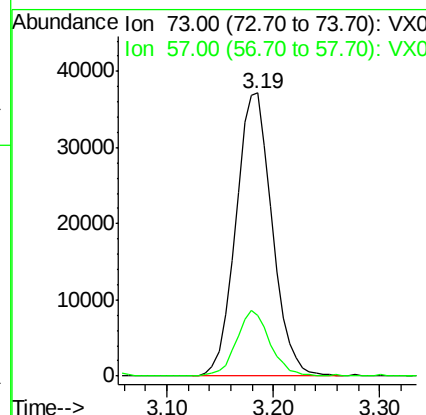
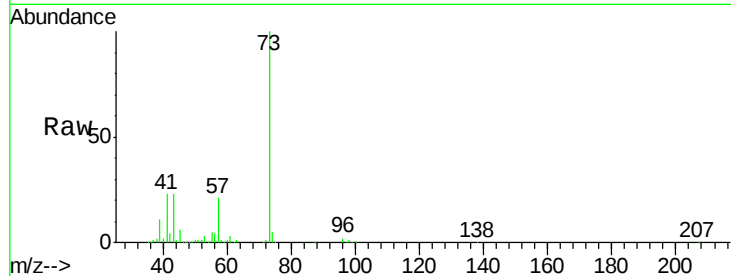
#19
Methvl tert-butvl Ether
Concen: 23.402 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	21.4	17.7	26.5

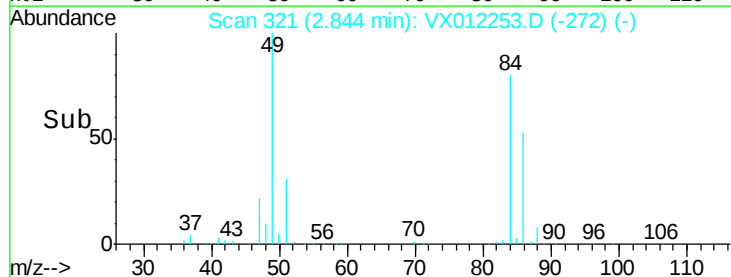
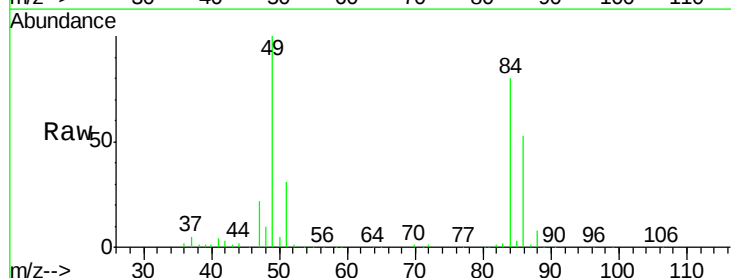
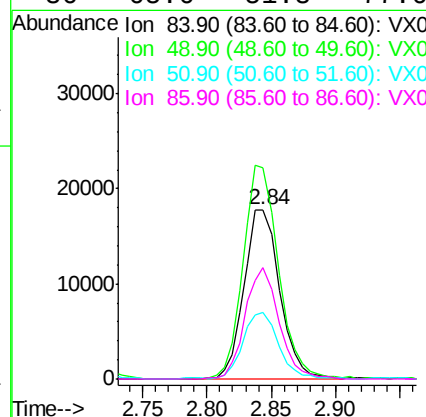
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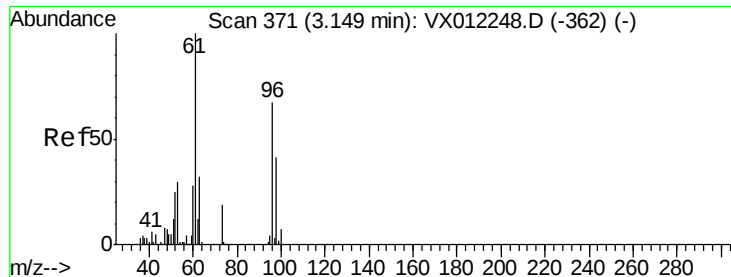
MMDadoda
9/12/2019 9:00:45 AM



#20
Methylene Chloride
Concen: 24.338 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	124.4	105.0	157.6
51	51	38.4	32.6	48.8
86	86	65.6	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 23.316 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 96 Resp: 26745

Ion Ratio Lower Upper

96 100

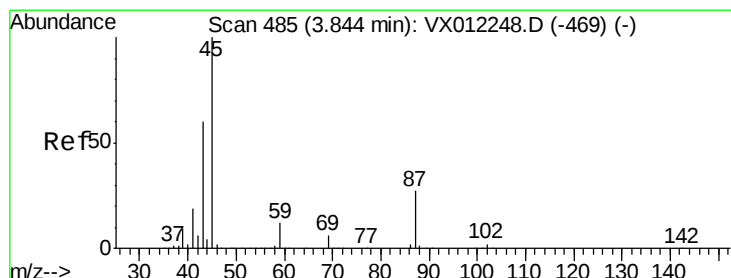
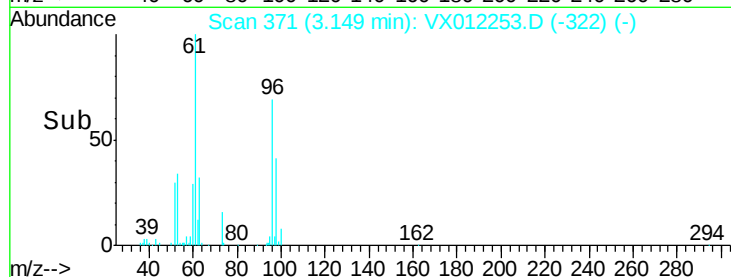
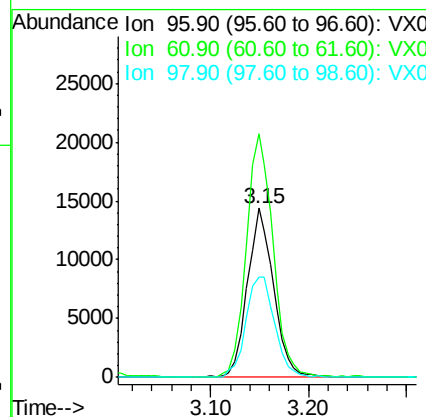
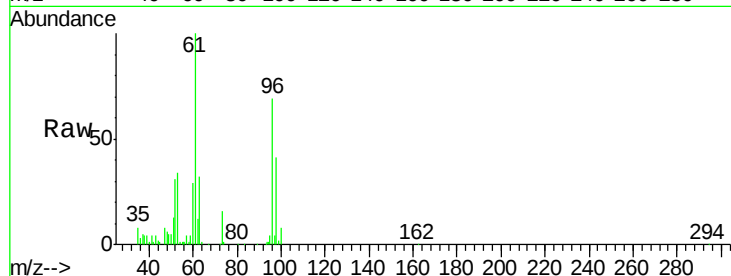
61 143.9 119.4 179.2

98 59.0 48.4 72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.820 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion: 45 Resp: 102299

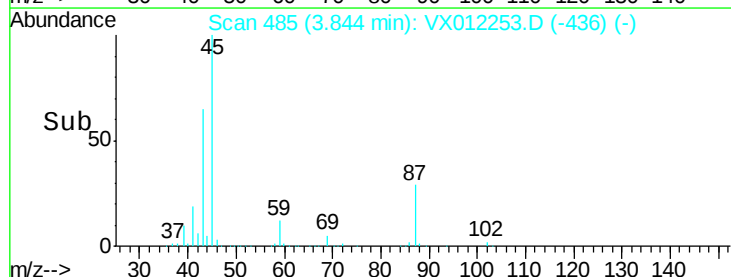
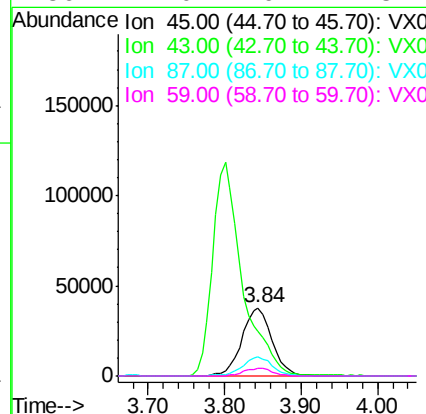
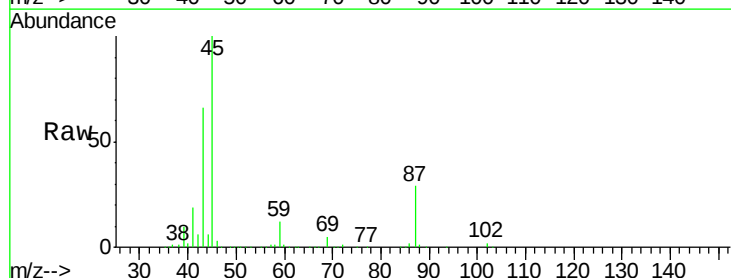
Ion Ratio Lower Upper

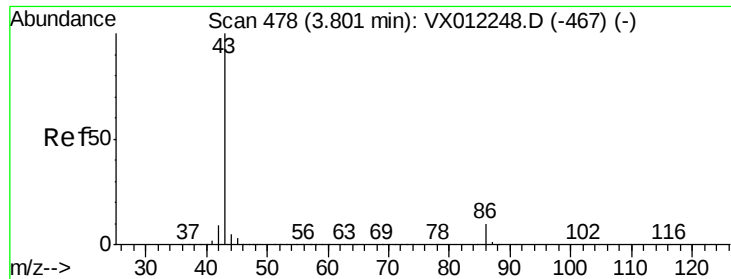
45 100

43 64.3 48.3 72.5

87 28.6 21.8 32.8

59 12.0 9.1 13.7





#23

Vinyl Acetate

Concen: 117.142 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 43 Resp: 322183

Ion Ratio Lower Upper

43 100

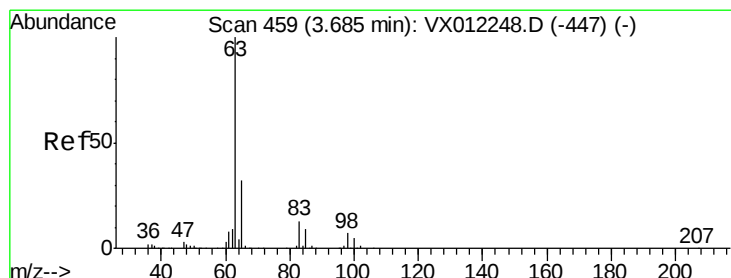
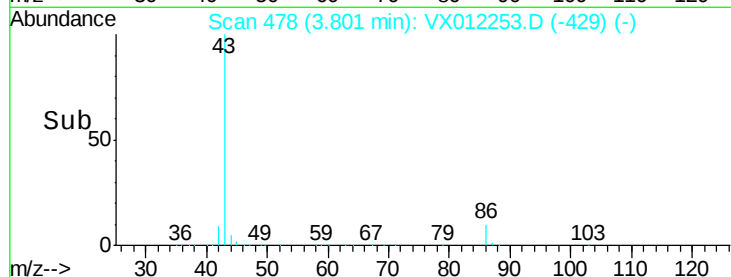
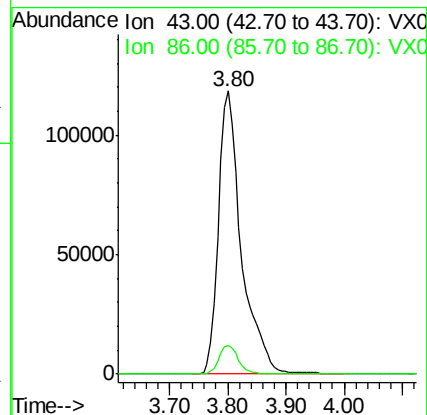
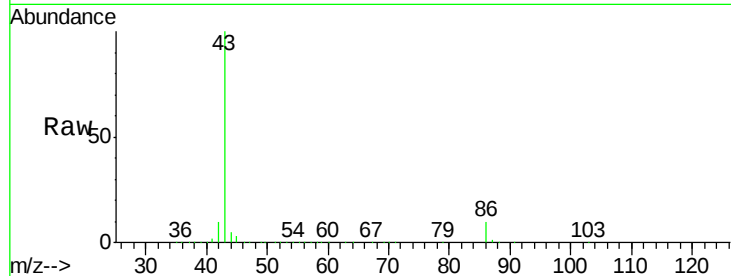
86 10.1 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.080 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

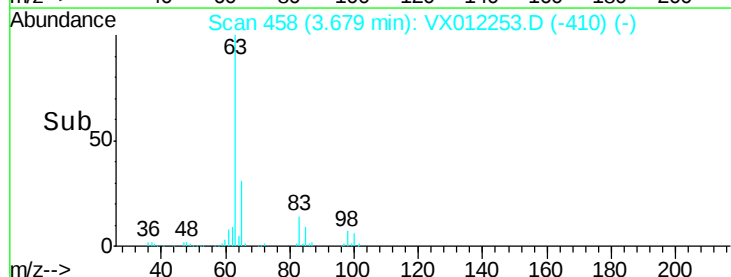
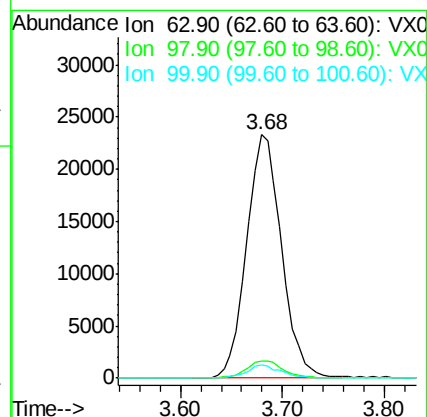
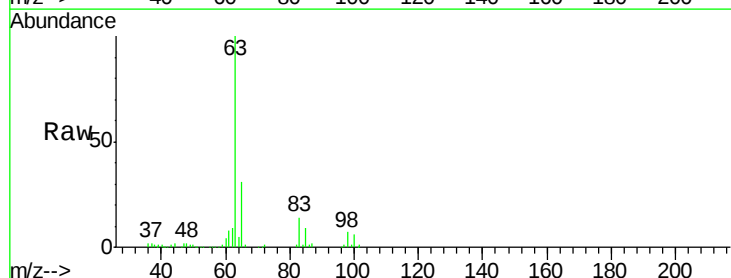
Tgt Ion: 63 Resp: 55420

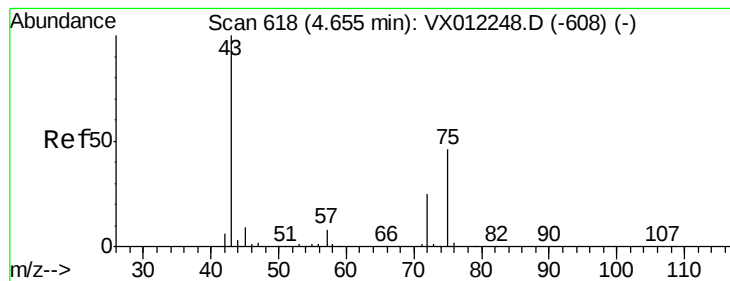
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 5.5 2.4 7.2





#25

2-Butanone

Concen: 112.242 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 43 Resp: 61016

Ion Ratio Lower Upper

43 100

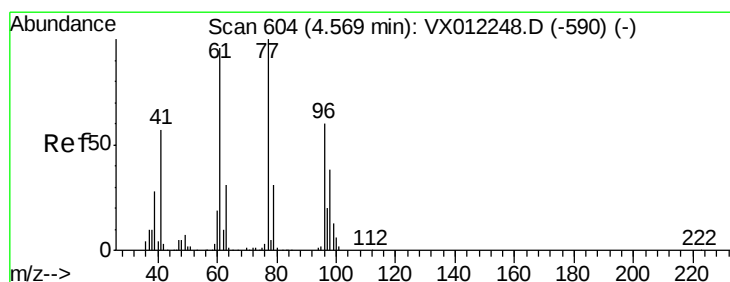
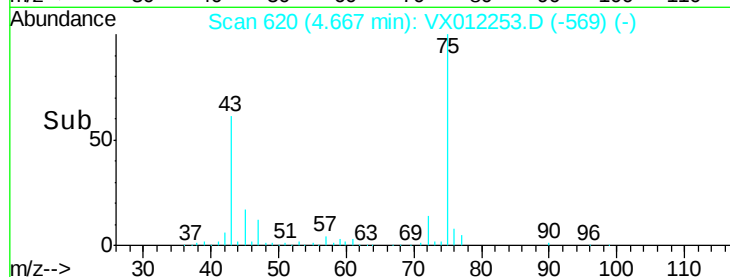
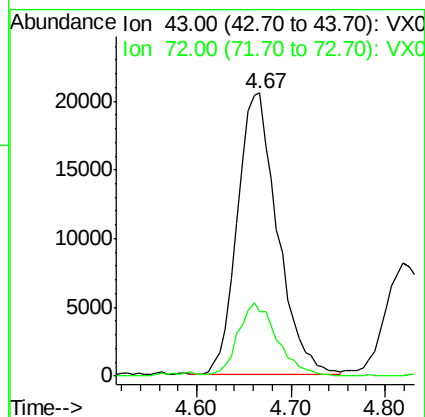
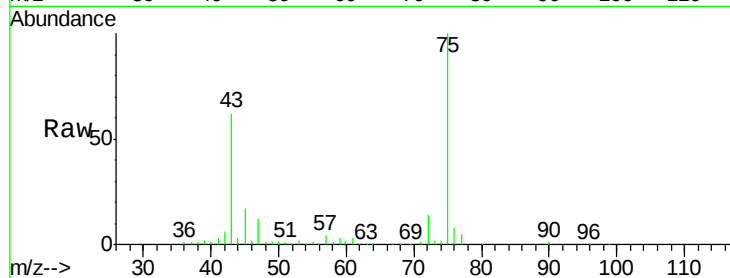
72 22.5 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 23.145 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012253.D

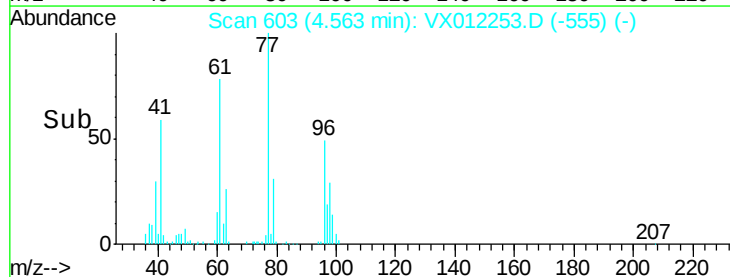
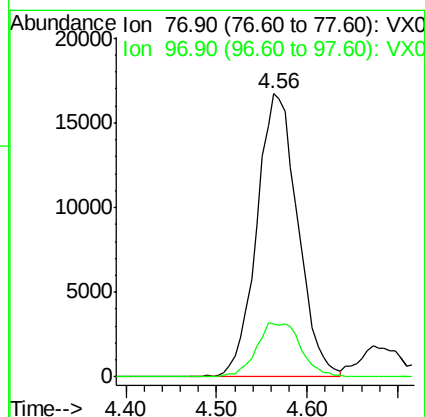
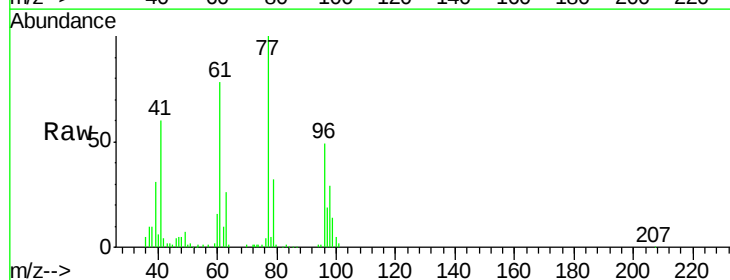
Acq: 10 Sep 2019 14:08

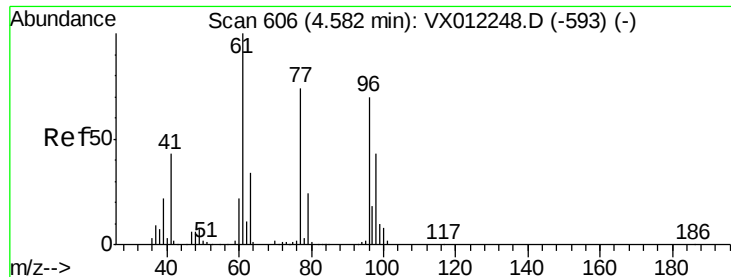
Tgt Ion: 77 Resp: 52176

Ion Ratio Lower Upper

77 100

97 20.8 10.7 32.1





#27

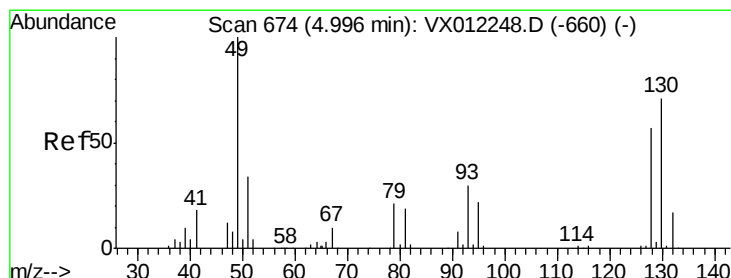
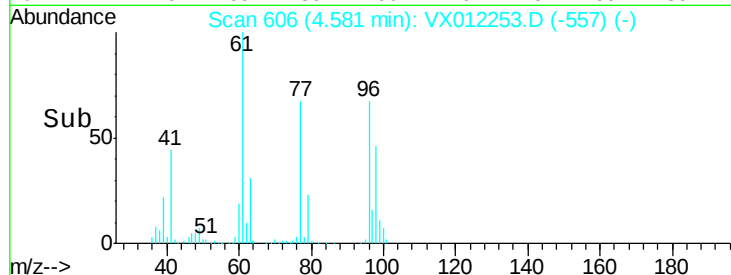
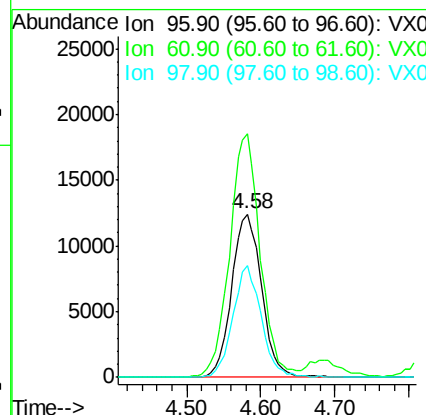
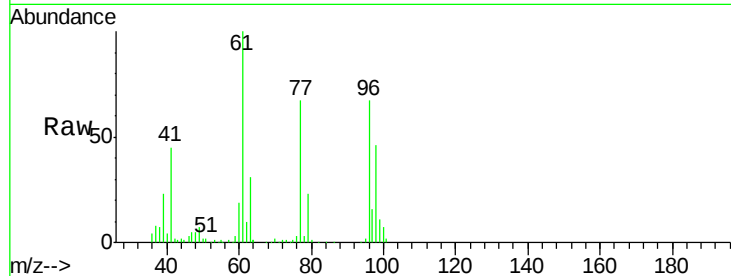
cis-1,2-Dichloroethene
 Concen: 23.586 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	34929		
61	151.7		0.0	310.4
98	64.8		0.0	128.8

Manual Integrations
 APPROVED

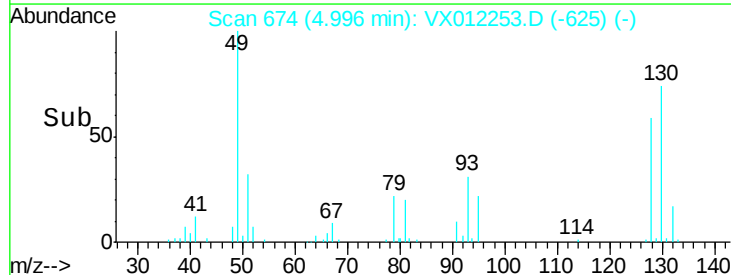
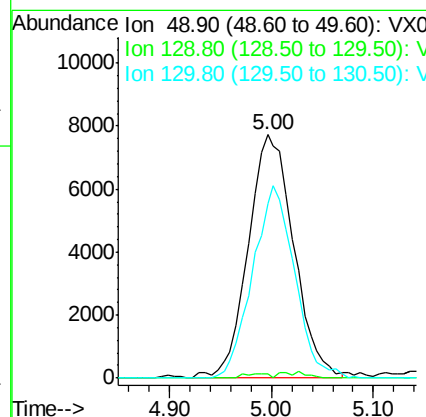
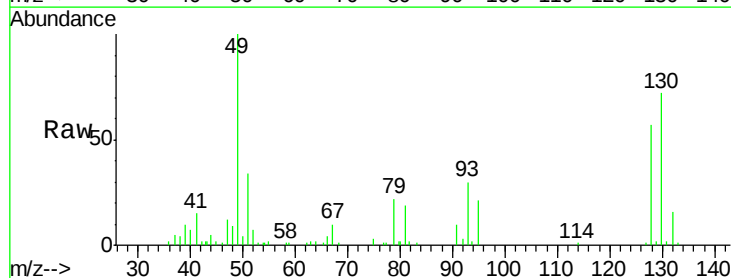
MMDadoda
 9/12/2019 9:00:45 AM

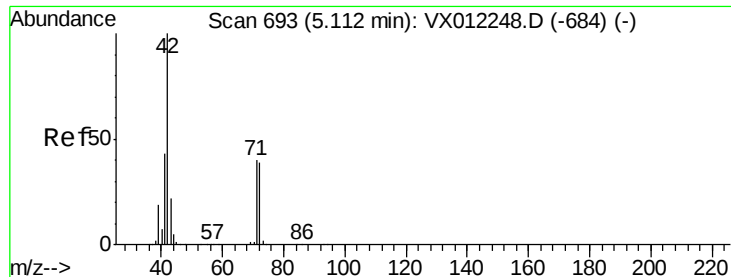


#28

Bromochloromethane
 Concen: 21.222 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23899		
129	1.0		0.0	5.2
130	72.9		60.1	90.1





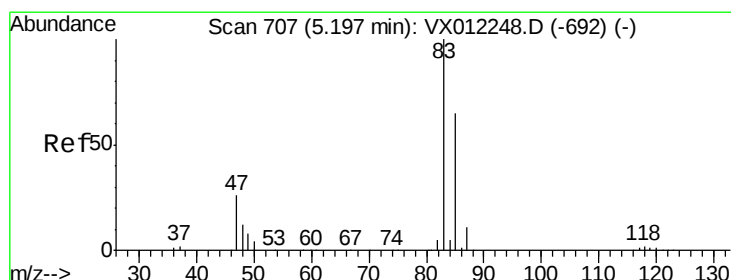
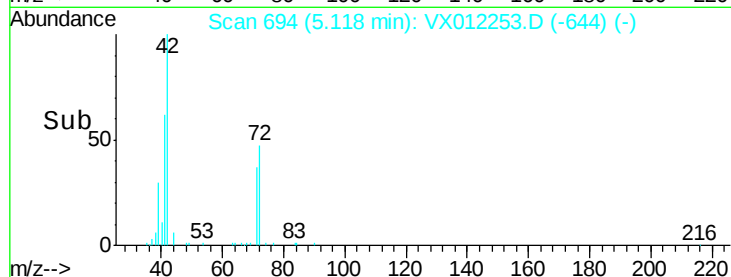
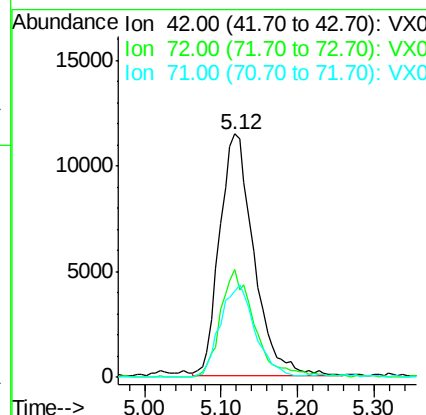
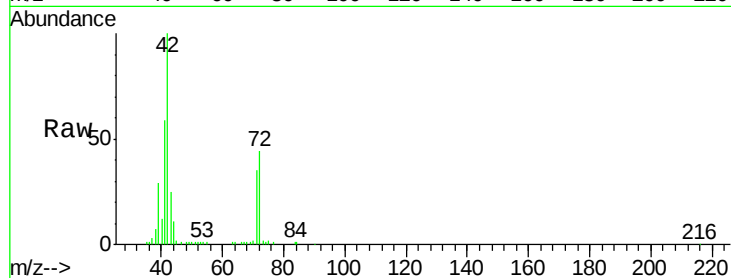
#29
Tetrahydrofuran
Concen: 121.469 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.2	52.8
71	39.1	32.5	48.7

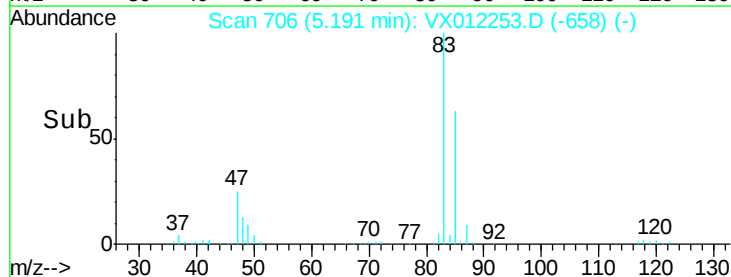
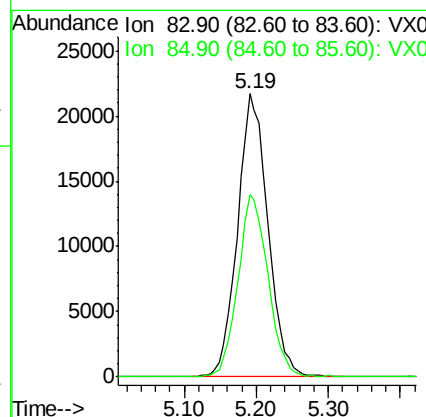
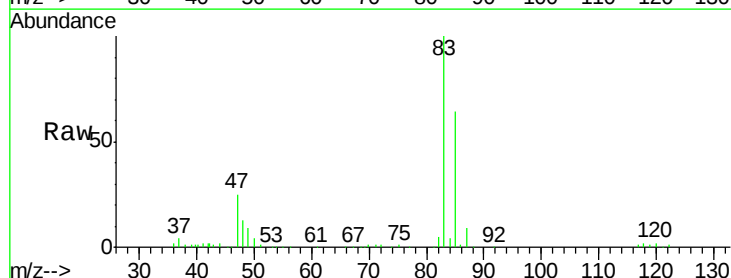
Manual Integrations
APPROVED

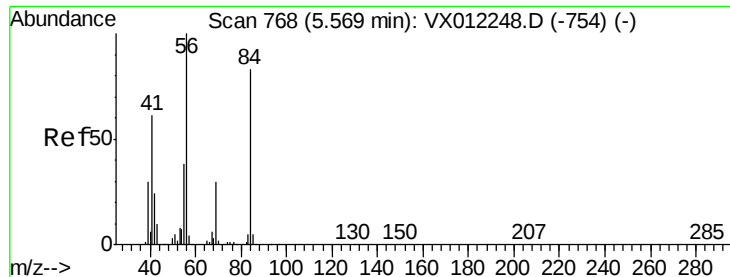
MMDadoda
9/12/2019 9:00:45 AM



#30
Chloroform
Concen: 23.456 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5





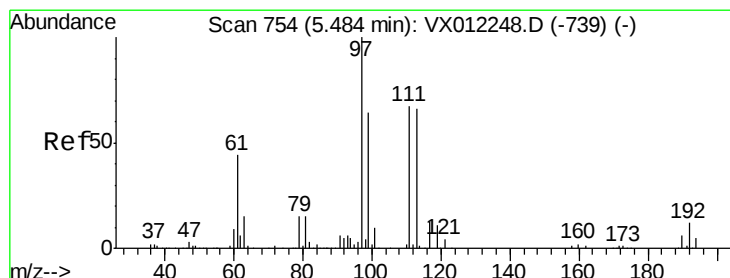
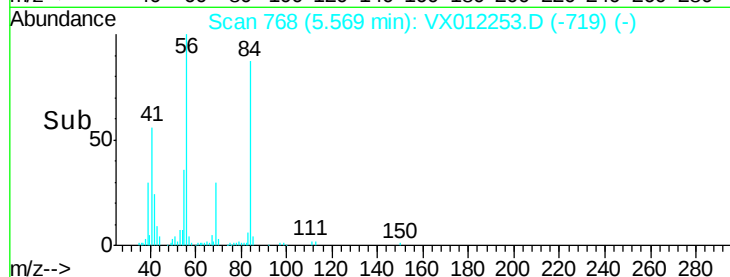
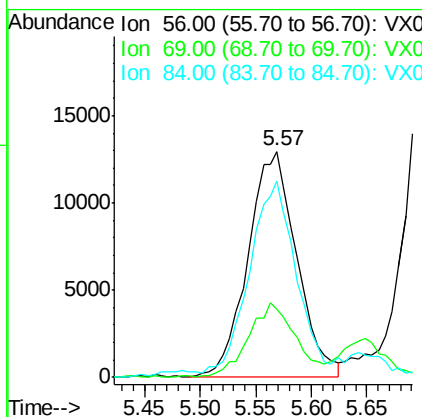
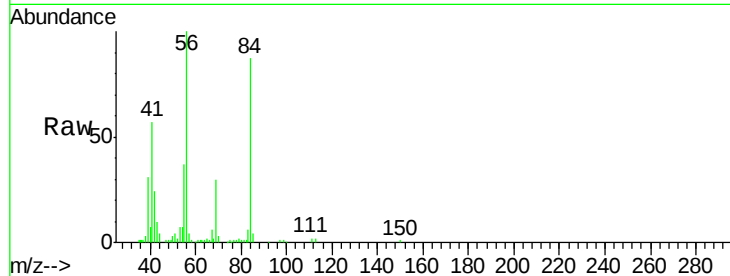
#31
Cyclohexane
Concen: 23.611 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.8	35.6
84	84.1	66.6	100.0

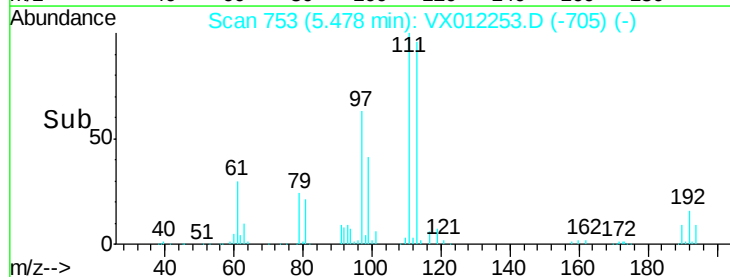
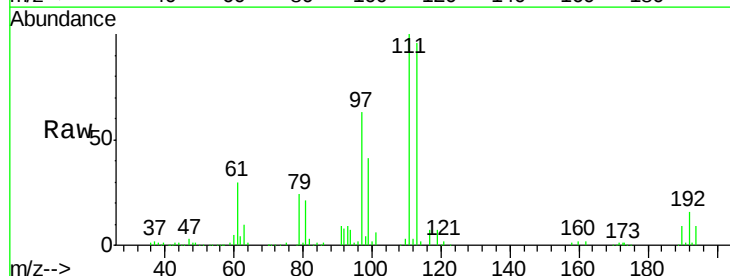
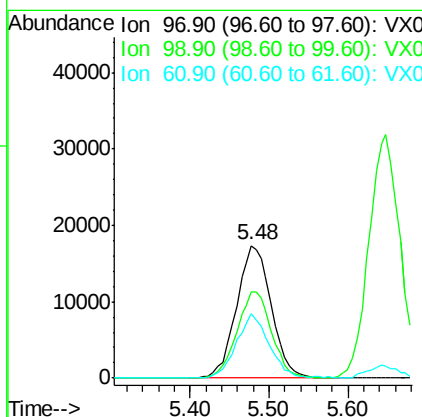
Manual Integrations
APPROVED

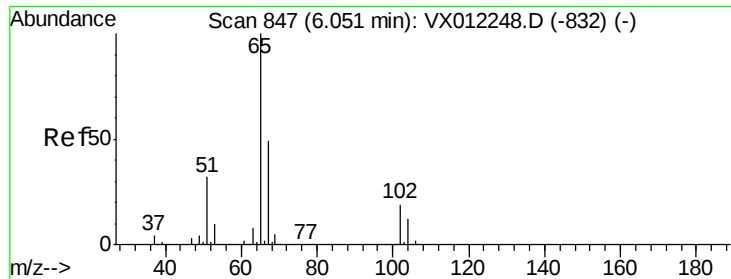
MMDadoda
9/12/2019 9:00:45 AM



#32
1,1,1-Trichloroethane
Concen: 22.780 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	45.6	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 58.317 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 65 Resp: 104756

Ion Ratio Lower Upper

65 100

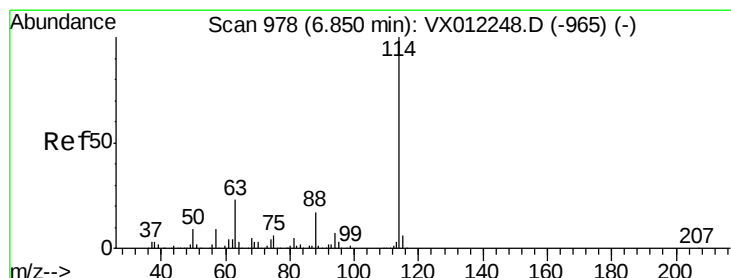
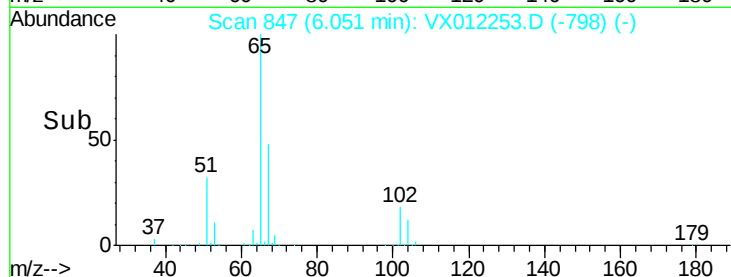
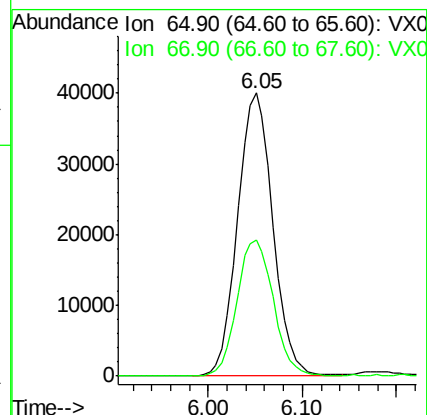
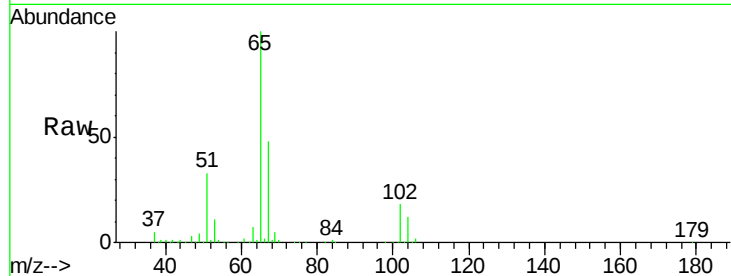
67 49.6 0.0 99.8

Manual Integrations

APPROVED

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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: VX012253.D

Acq: 10 Sep 2019 14:08

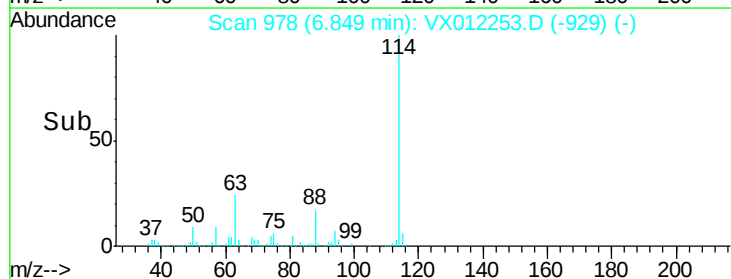
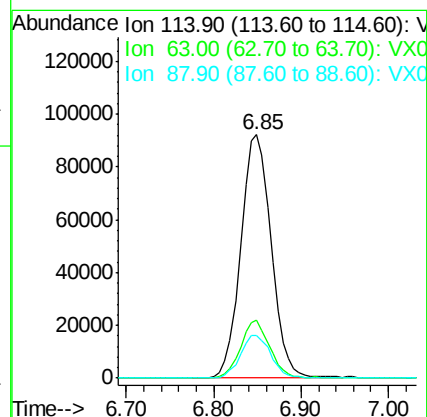
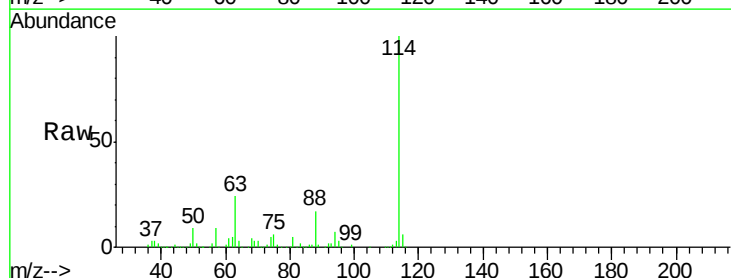
Tgt Ion: 114 Resp: 222884

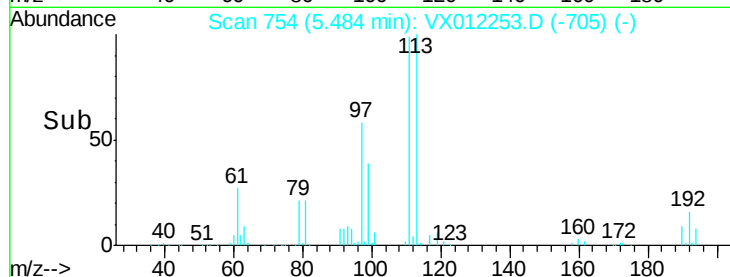
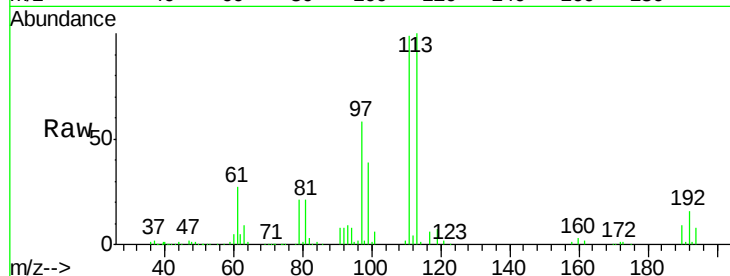
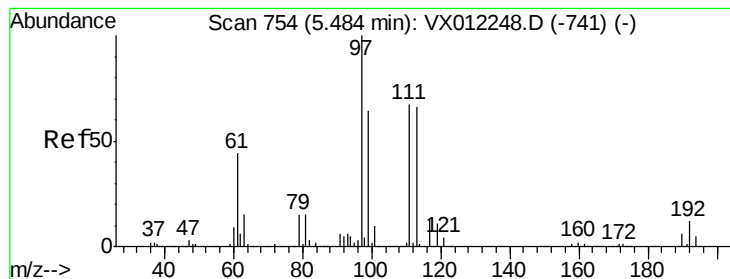
Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.2

88 17.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 57.286 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tot Ion:	113	Resp:	81849
Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.0	124.6
192	16.9	14.3	21.5

Instrument :

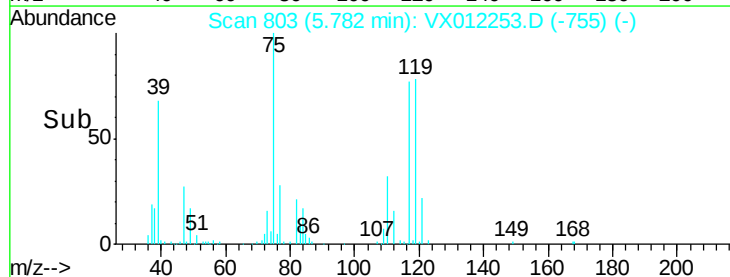
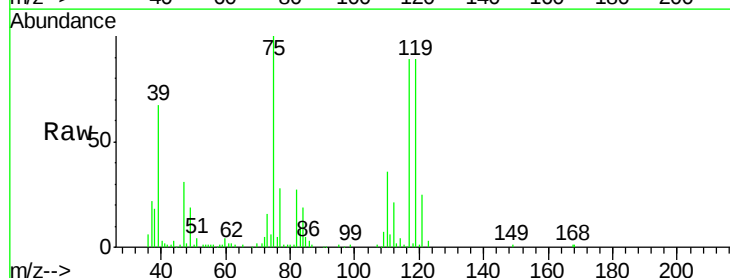
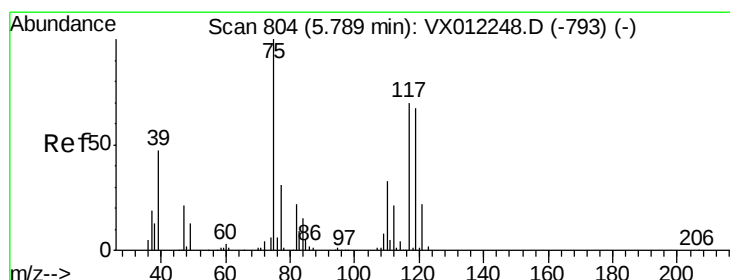
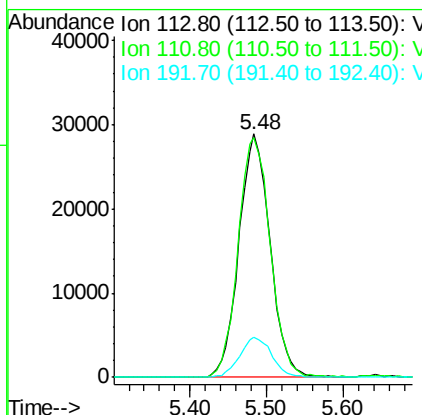
MSVOA_X

ClientSampleId :

VX0910SBS01

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 23.887 ug/l

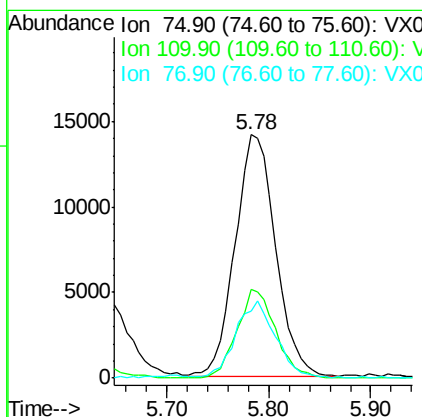
RT: 5.78 min Scan# 803

Delta R.T. -0.01 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion:	75	Resp:	38821
Ion	Ratio	Lower	Upper
75	100		
110	35.0	16.8	50.4
77	31.7	24.5	36.7





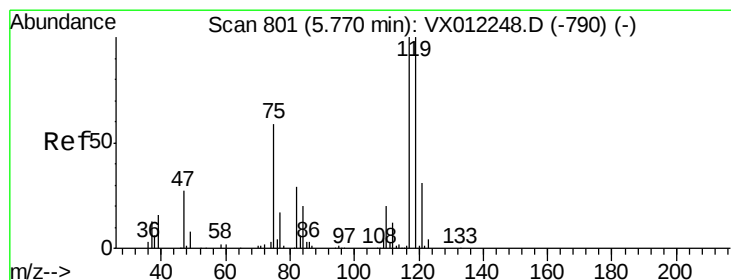
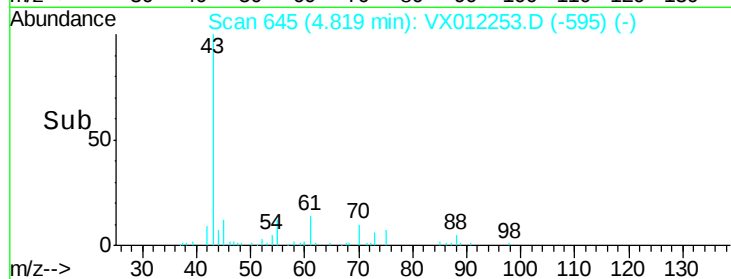
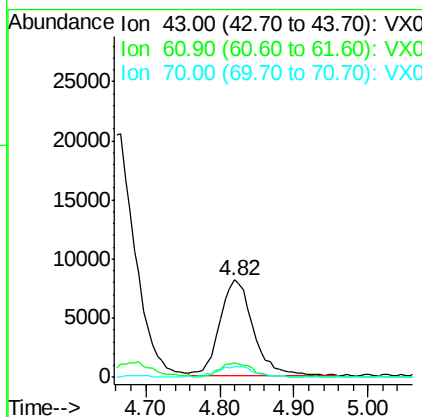
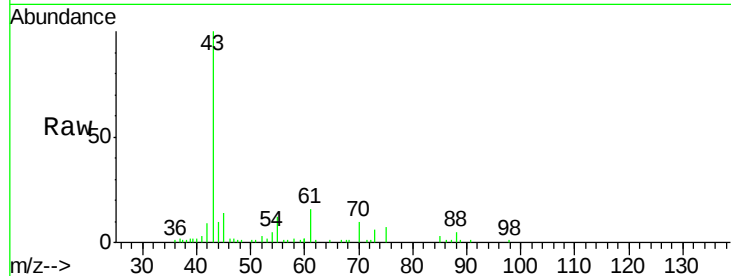
#37
Ethyl Acetate
Concen: 25.211 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.3	15.5
70	12.7	9.1	13.7

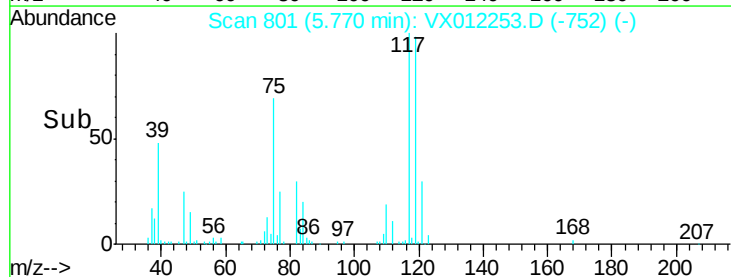
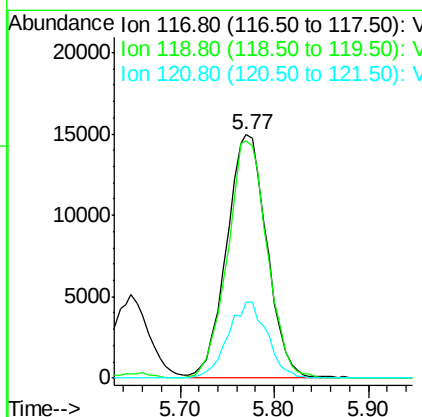
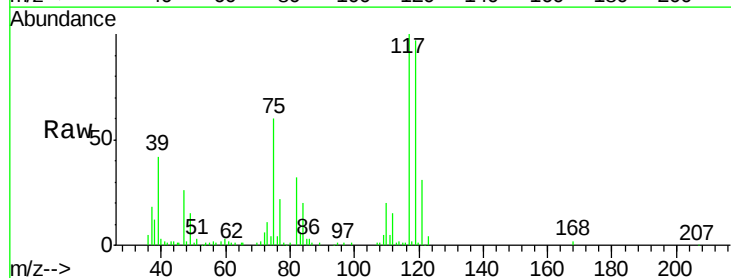
Manual Integrations
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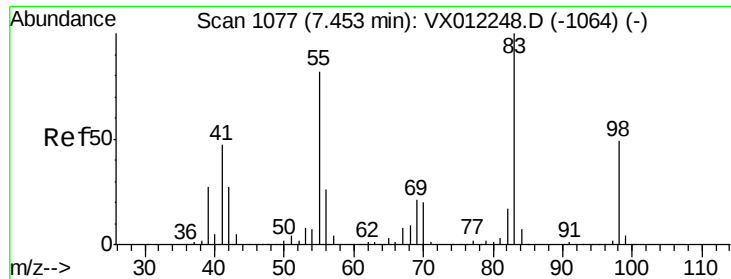
MMDadoda
9/12/2019 9:00:45 AM



#38
Carbon Tetrachloride
Concen: 23.356 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	79.6	119.4
121	31.0	24.7	37.1





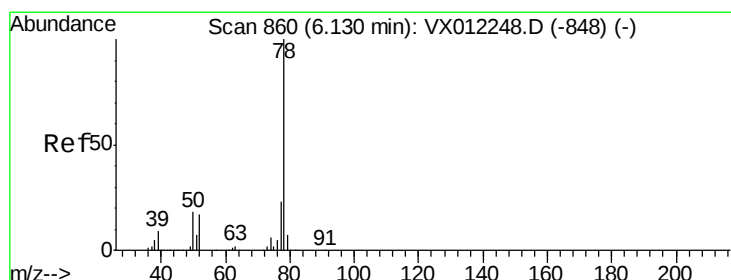
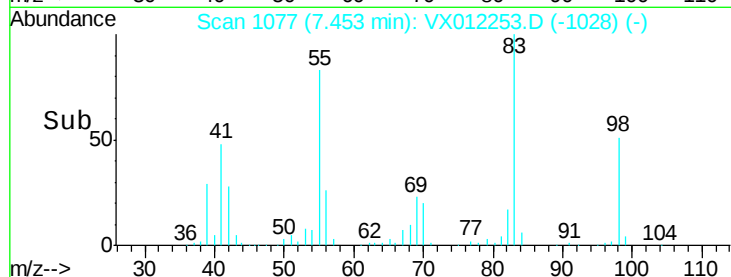
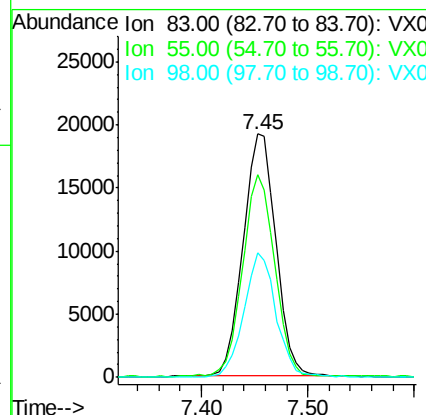
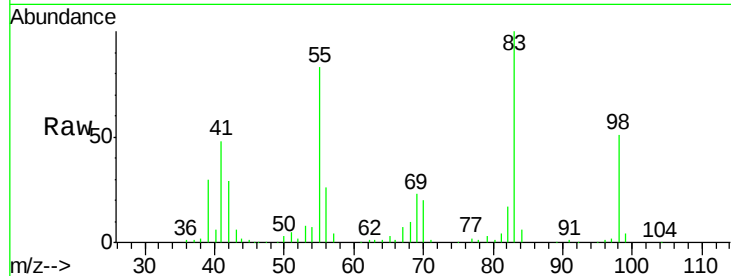
#39
Methvlcvclohexane
Concen: 23.303 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.0	65.4	98.2
98	51.3	39.6	59.4

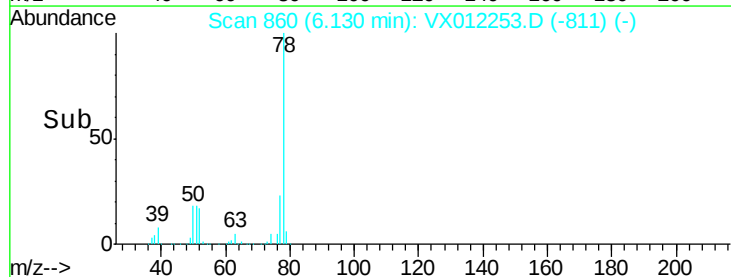
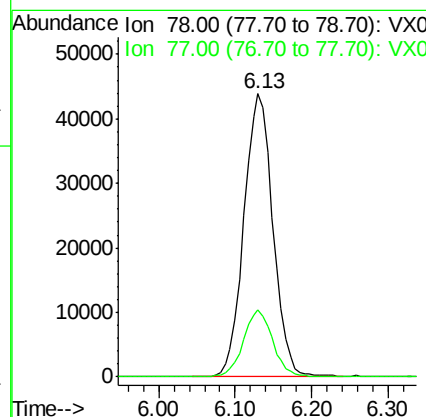
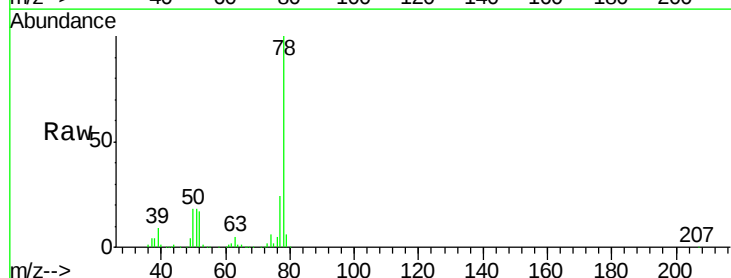
Manual Integrations
APPROVED

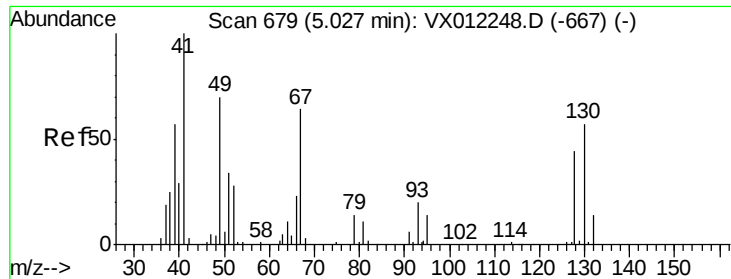
MMDadoda
9/12/2019 9:00:45 AM



#40
Benzene
Concen: 23.546 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.0	27.0





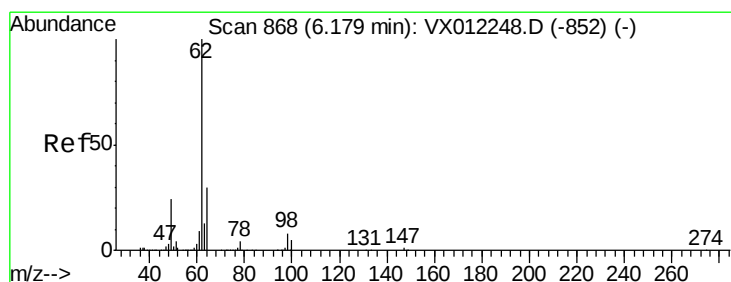
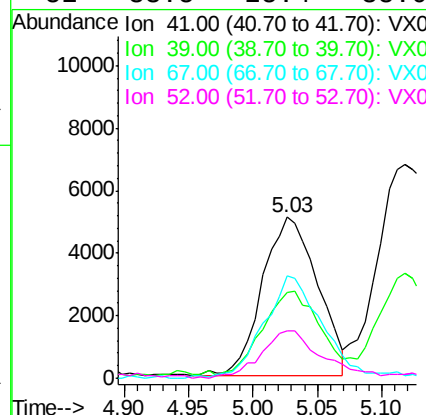
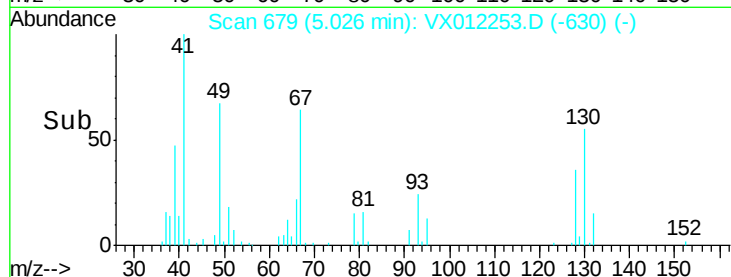
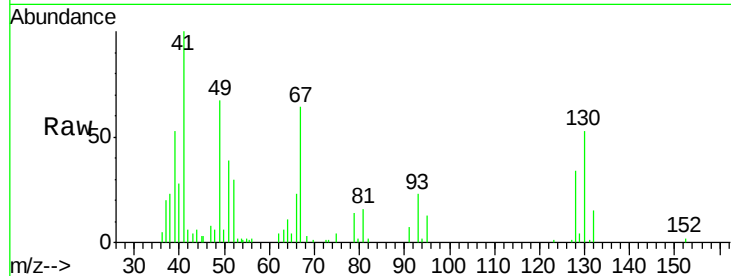
#41
Methacrylonitrile
Concen: 24.303 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion:	41	Resp:	15052
Ion	Ratio	Lower	Upper
41	100		
39	57.0	49.0	73.4
67	67.8	55.0	82.4
52	33.5	25.4	38.0

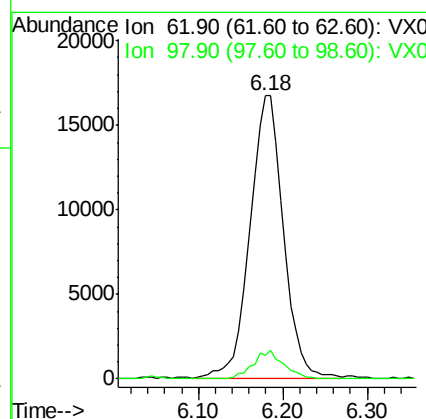
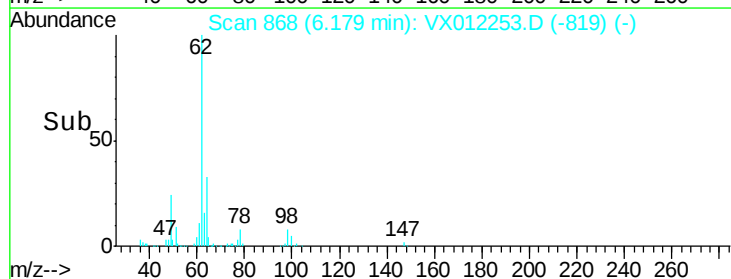
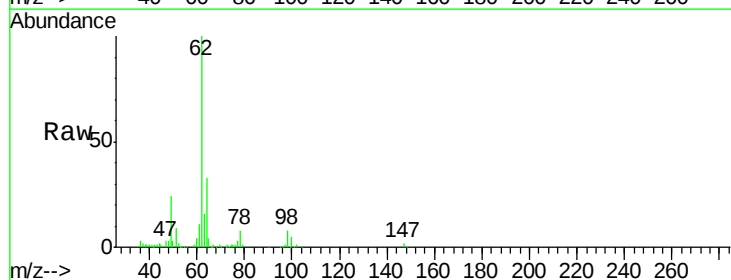
Manual Integrations
APPROVED

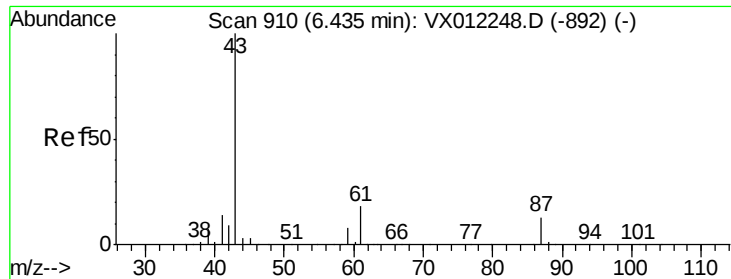
MMDadoda
9/12/2019 9:00:45 AM



#42
1,2-Dichloroethane
Concen: 23.097 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion:	62	Resp:	44903
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.2





#43

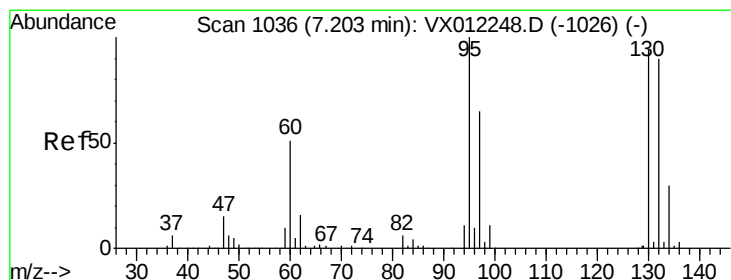
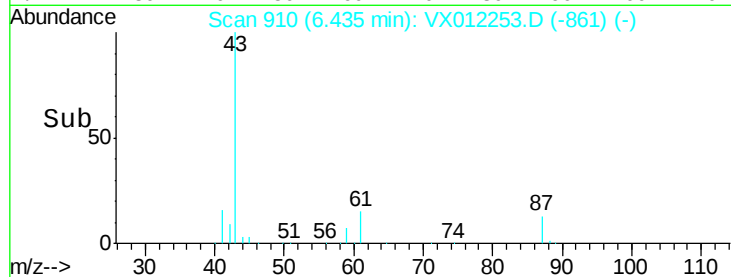
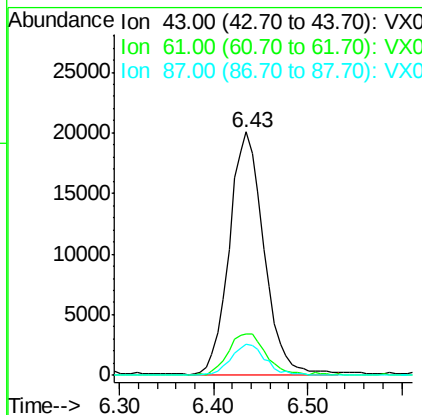
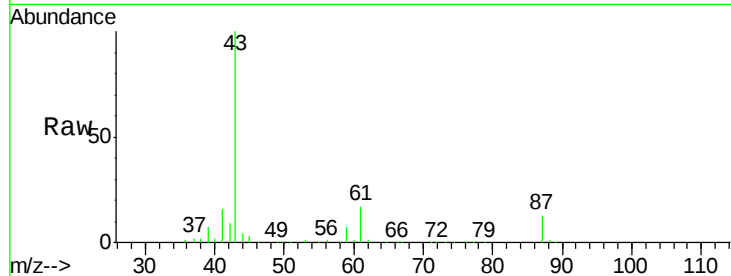
Isopropyl Acetate
 Concen: 24.058 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.2
87	13.2	10.5	15.7

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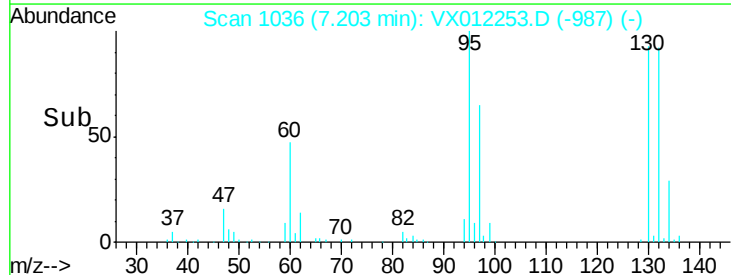
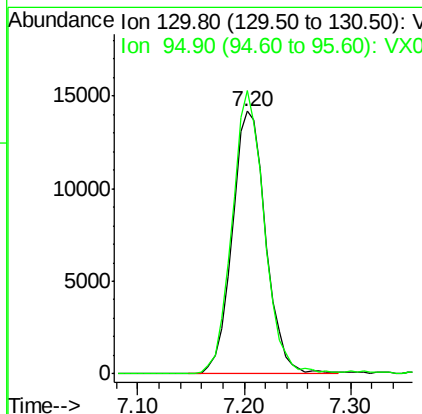
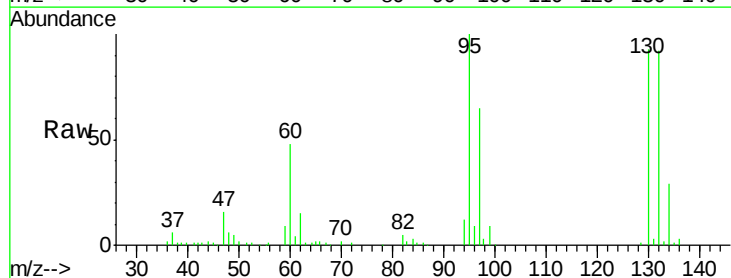
MMDadoda
 9/12/2019 9:00:45 AM

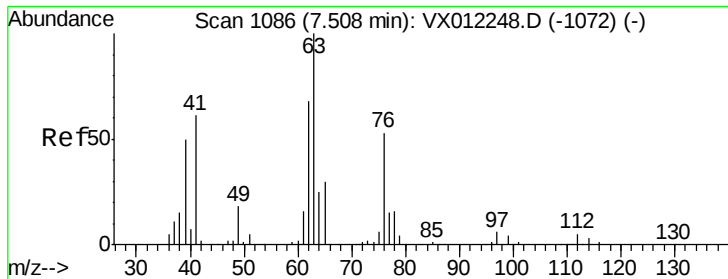


#44

Trichloroethene
 Concen: 23.532 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	212.0





#45

1,2-Dichloropropane

Concen: 22.886 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 63 Resp: 31160

Ion Ratio Lower Upper

63 100

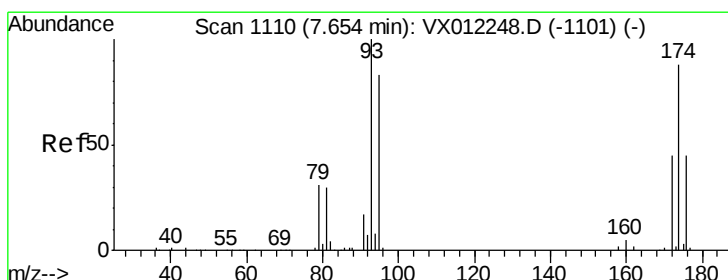
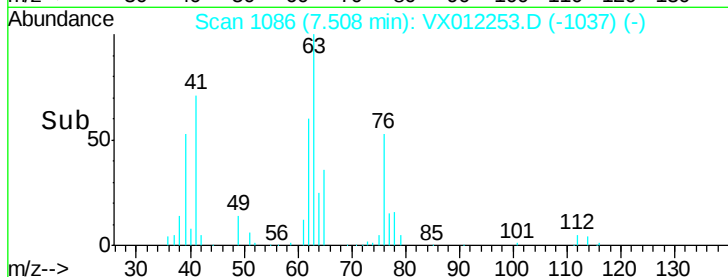
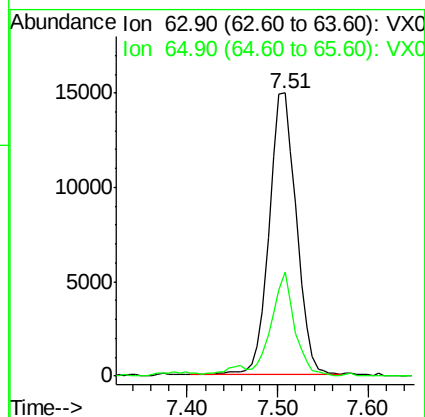
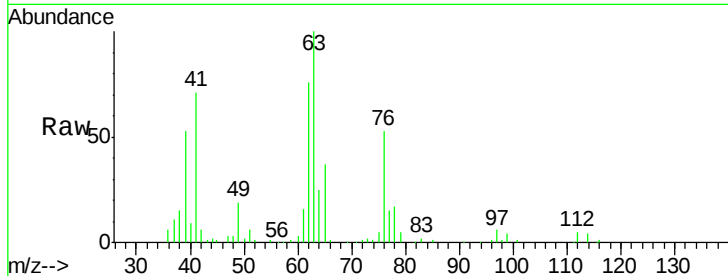
65 36.9 24.3 36.5#

Manual Integrations

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9/12/2019 9:00:45 AM



#46

Dibromomethane

Concen: 23.279 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

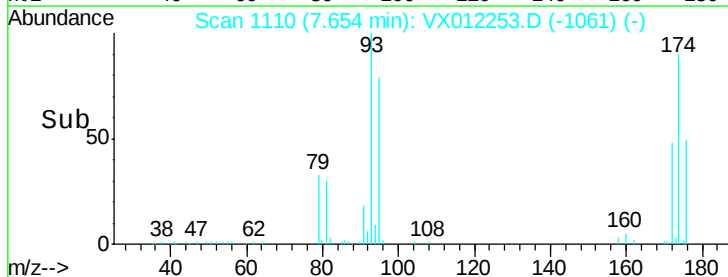
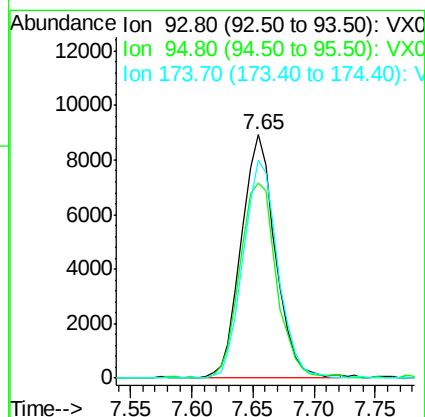
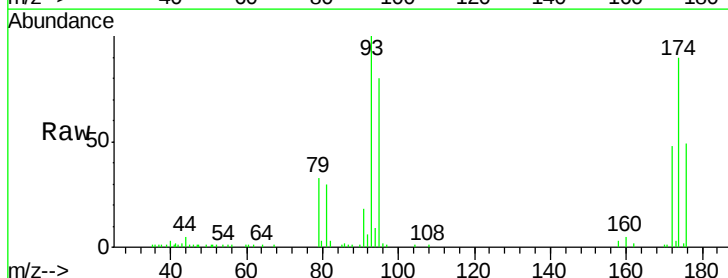
Tgt Ion: 93 Resp: 17322

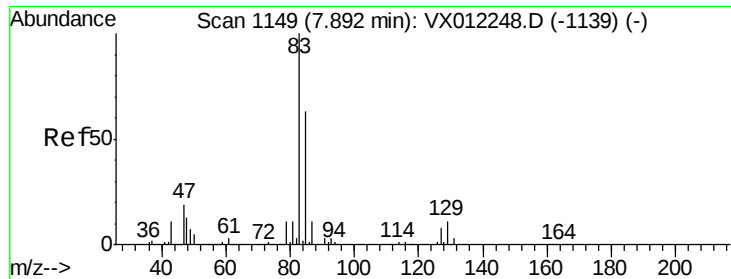
Ion Ratio Lower Upper

93 100

95 86.2 65.7 98.5

174 90.7 71.0 106.4





#47

Bromodichloromethane

Concen: 22.828 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

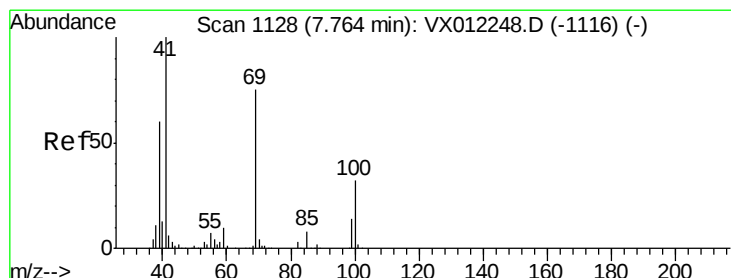
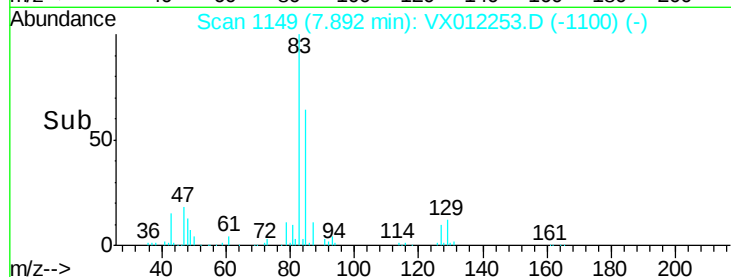
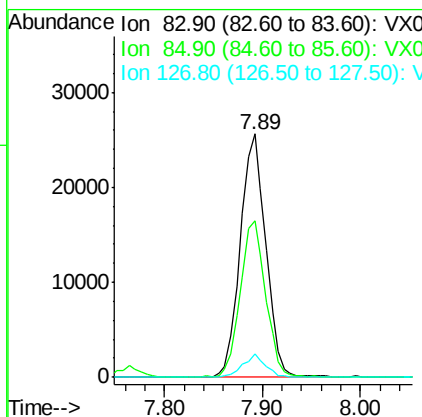
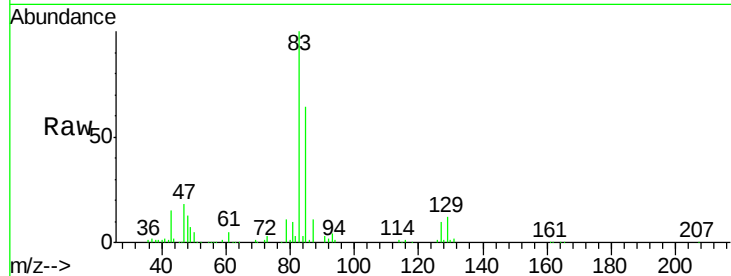
ClientSampleId :

VX0910SBS01

Tot Ion:	83	Resp:	46357
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.2	75.4
127	9.6	6.3	9.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 23.579 ug/l

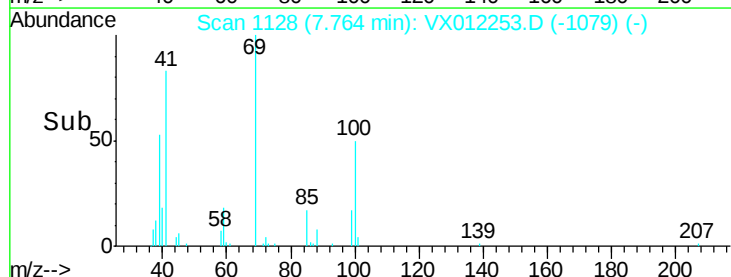
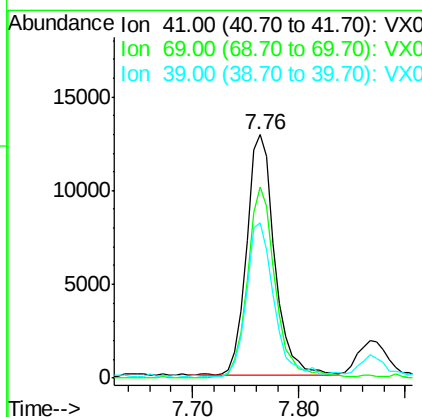
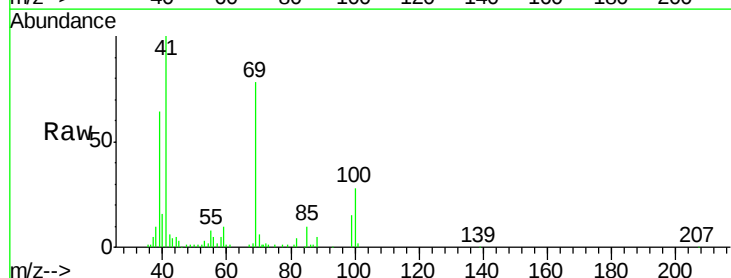
RT: 7.76 min Scan# 1128

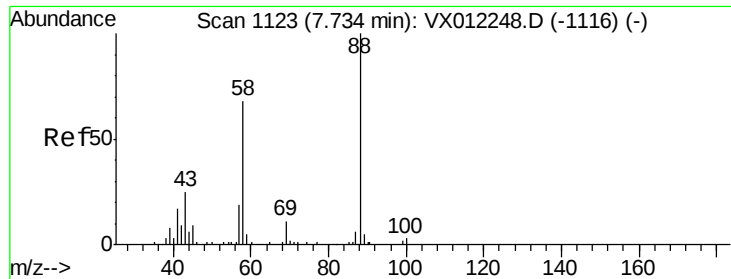
Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion:	41	Resp:	23905
Ion	Ratio	Lower	Upper
41	100		
69	78.3	61.8	92.6
39	62.1	48.6	73.0





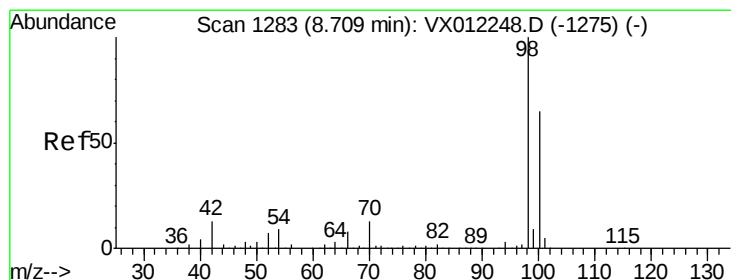
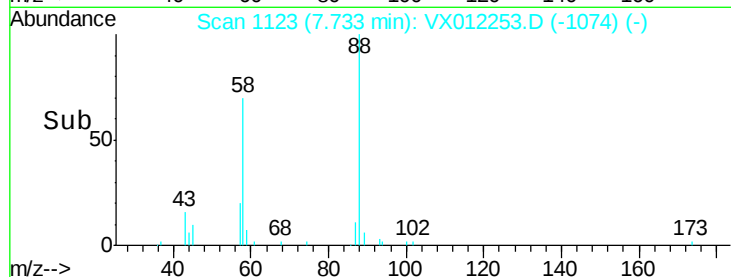
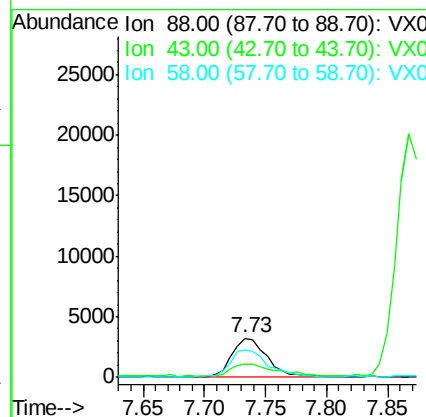
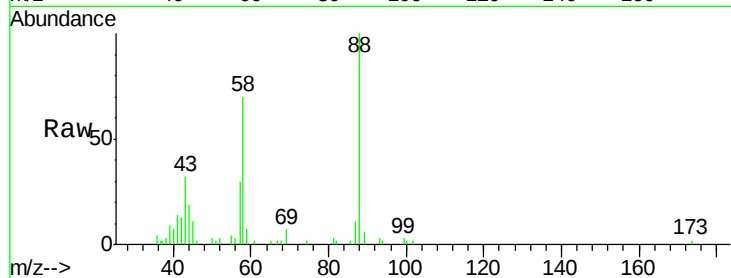
#49
 1,4-Dioxane
 Concen: 471.473 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	31.0	46.4
58	76.7	61.5	92.3

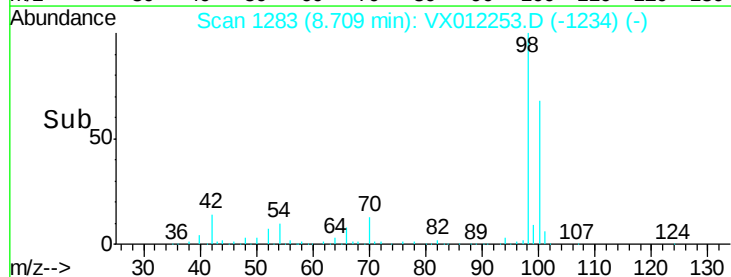
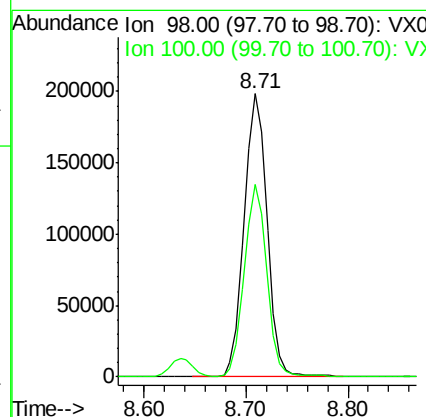
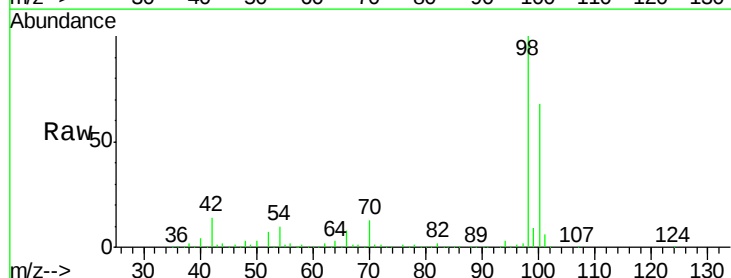
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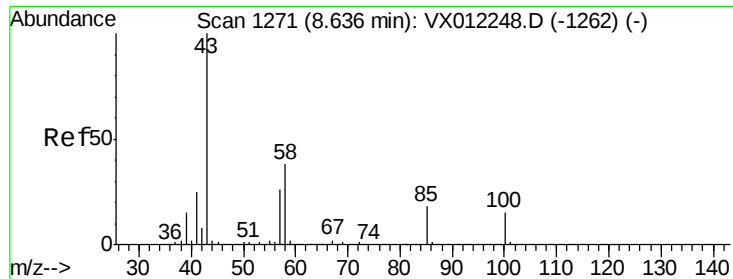
MMDadoda
 9/12/2019 9:00:45 AM



#50
 Toluene-d8
 Concen: 61.583 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	54.1	81.1





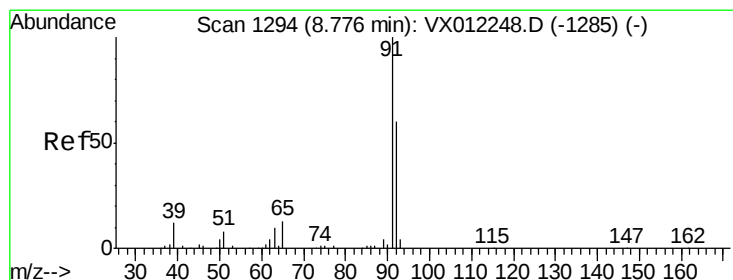
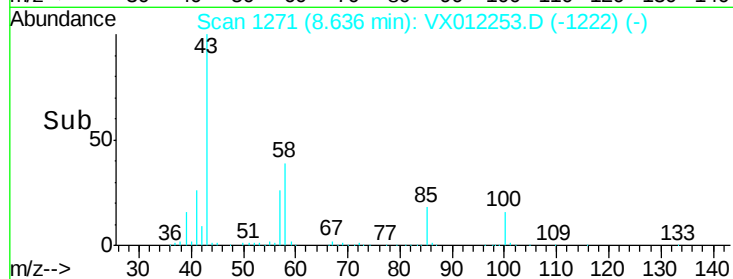
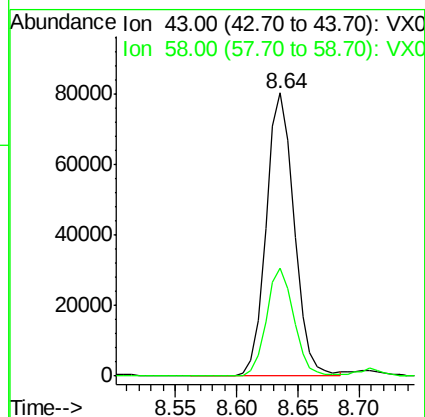
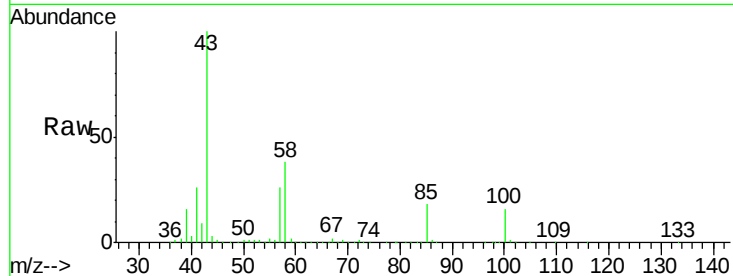
#51
4-Methyl-2-Pentanone
Concen: 114.498 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	43	58	Ratio	Lower	Upper
127994	100	37.5		30.1	45.1

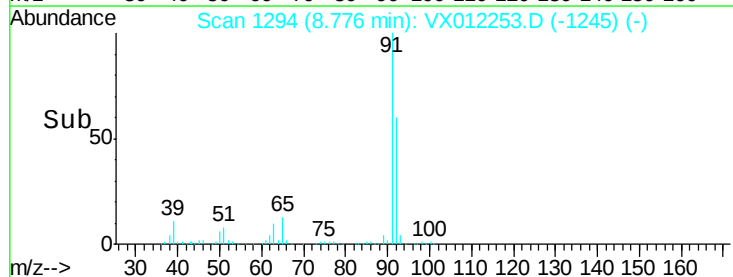
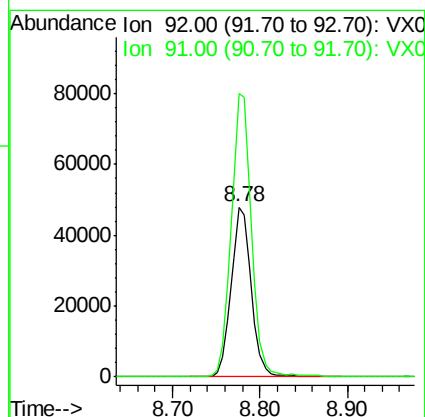
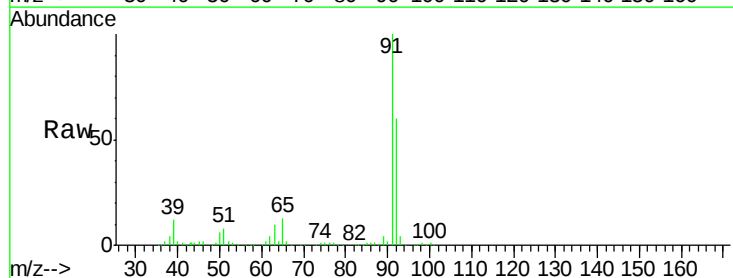
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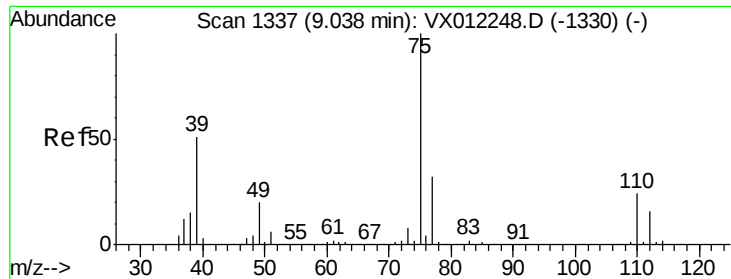
MMDadoda
9/12/2019 9:00:45 AM



#52
Toluene
Concen: 23.613 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	92	91	Ratio	Lower	Upper
76716	100	168.7		133.6	200.4





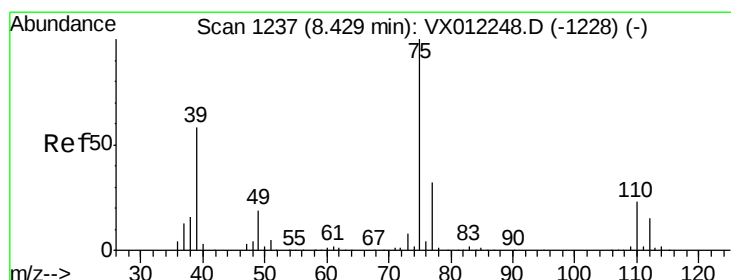
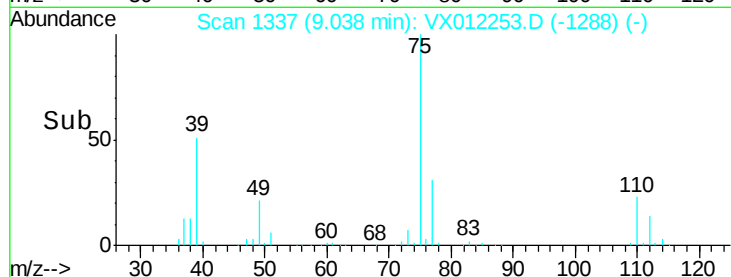
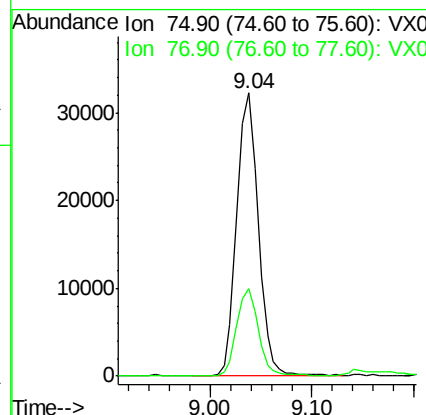
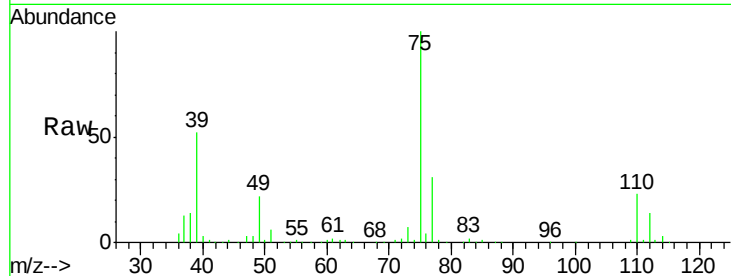
#53
t-1,3-Dichloropropene
Concen: 23.370 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion: 75 Resp: 47366
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.6

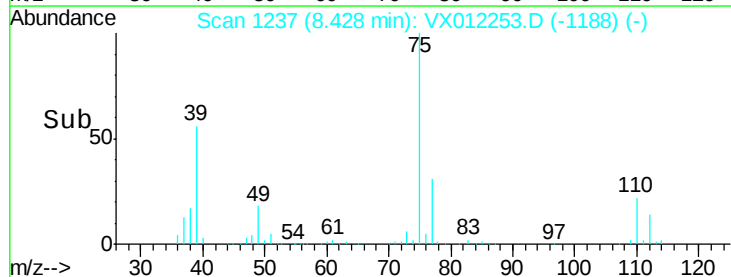
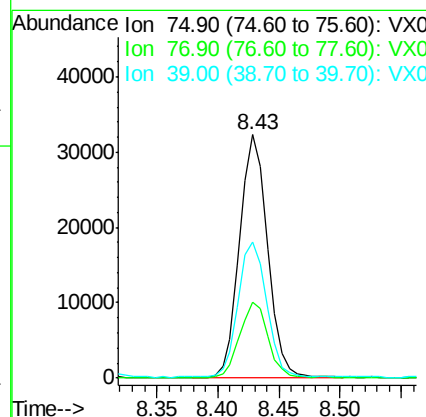
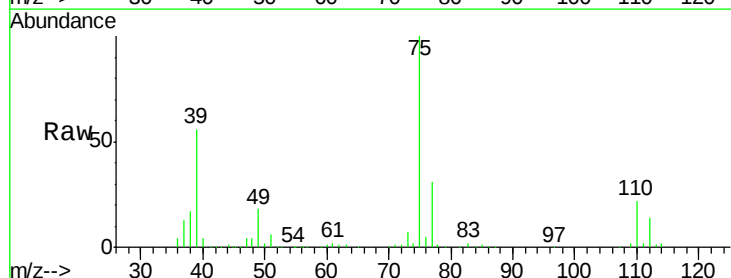
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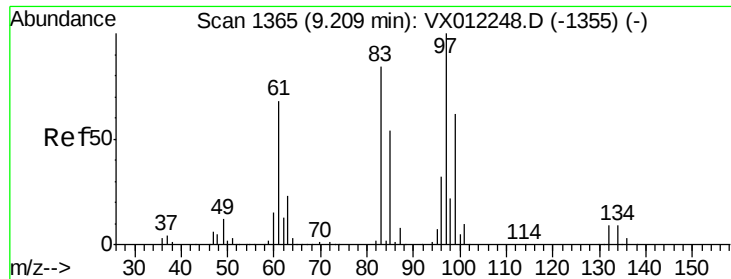
MMDadoda
9/12/2019 9:00:45 AM



#54
cis-1,3-Dichloropropene
Concen: 22.965 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion: 75 Resp: 51613
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2
39 55.3 46.5 69.7





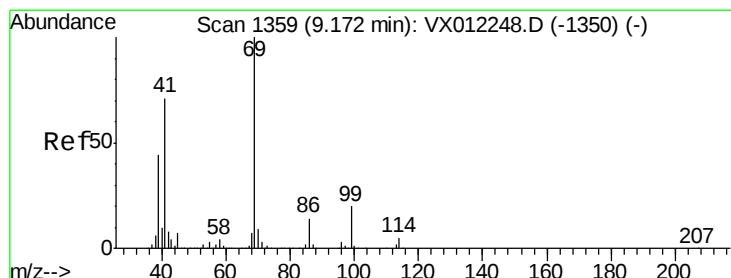
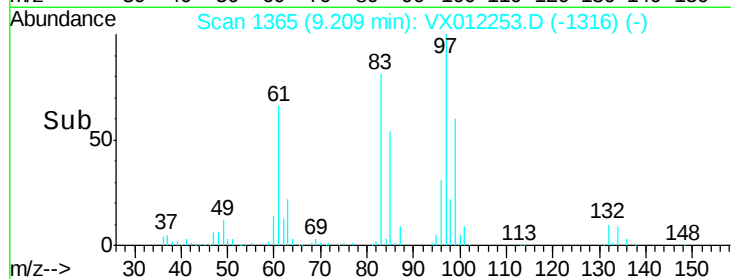
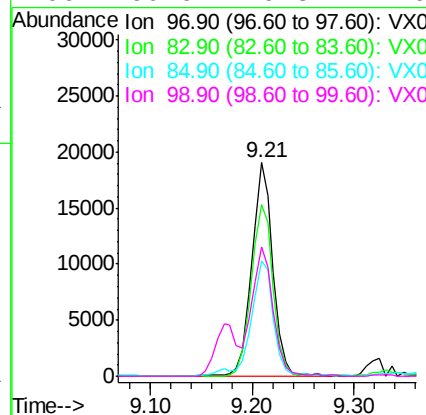
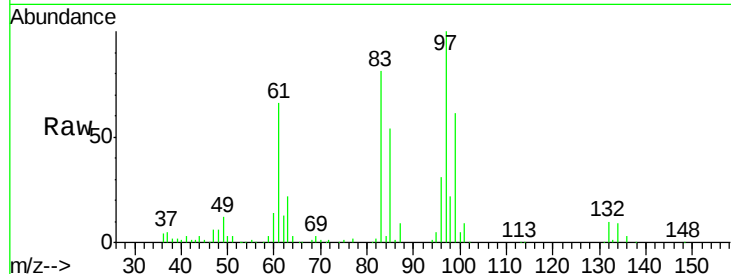
#55
 1,1,2-Trichloroethane
 Concen: 23.769 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS01

Tot Ion:	97	Resp:	27401
Ion	Ratio	Lower	Upper
97	100		
83	80.6	67.4	101.2
85	53.8	43.4	65.2
99	60.6	49.8	74.6

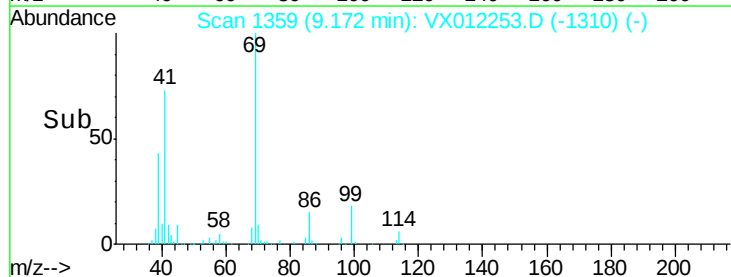
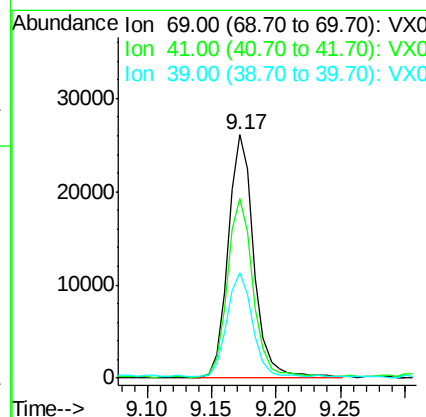
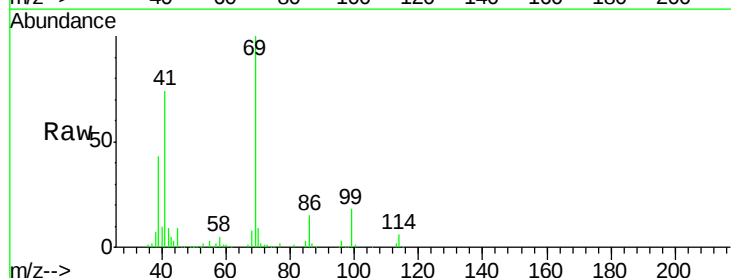
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#56
 Ethyl methacrylate
 Concen: 23.468 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Tgt Ion:	69	Resp:	36631
Ion	Ratio	Lower	Upper
69	100		
41	73.5	57.7	86.5
39	42.4	34.0	51.0





#57

1,3-Dichloropropane

Concen: 23.423 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 76 Resp: 46119

Ion Ratio Lower Upper

76 100

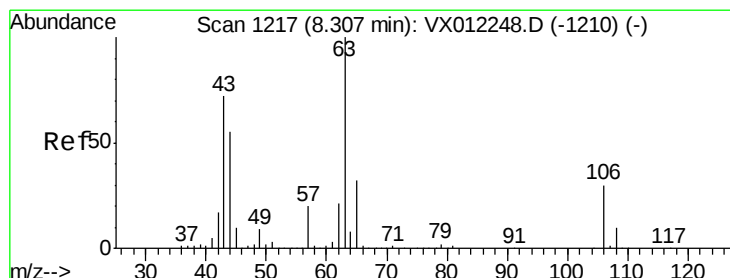
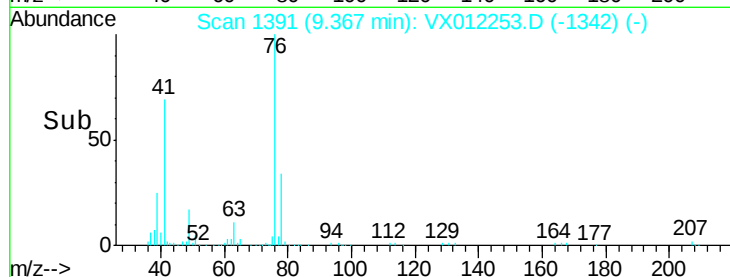
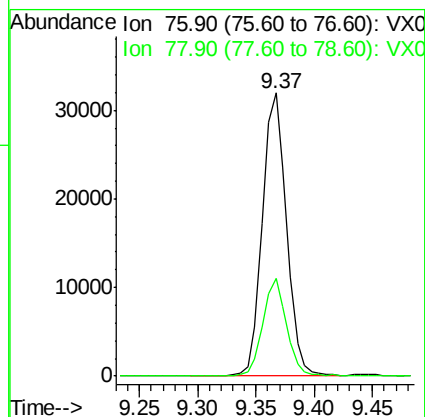
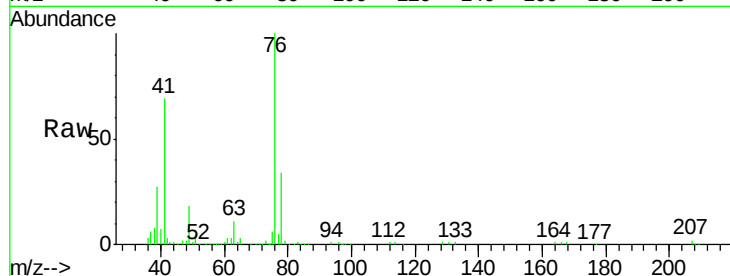
78 33.9 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 114.929 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012253.D

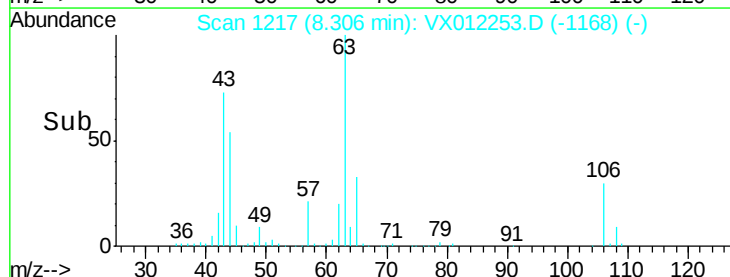
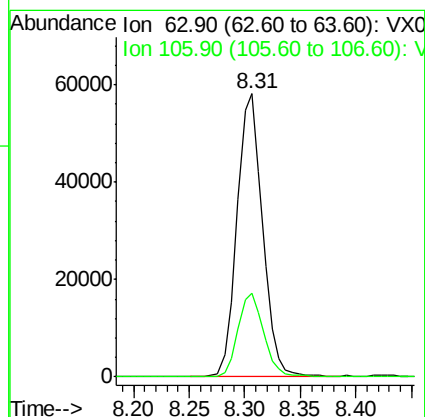
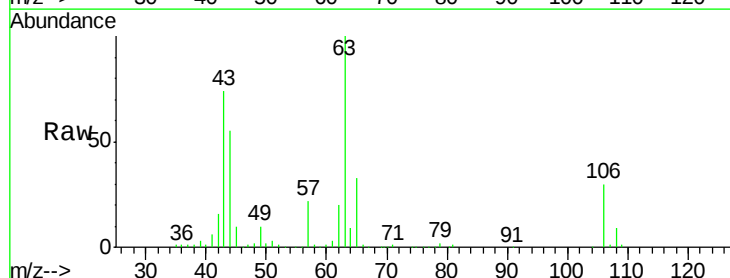
Acq: 10 Sep 2019 14:08

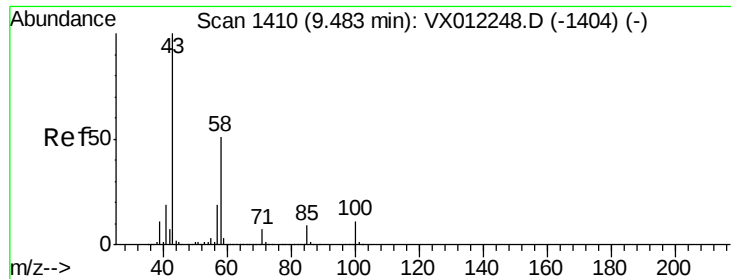
Tgt Ion: 63 Resp: 91944

Ion Ratio Lower Upper

63 100

106 29.7 23.4 35.2





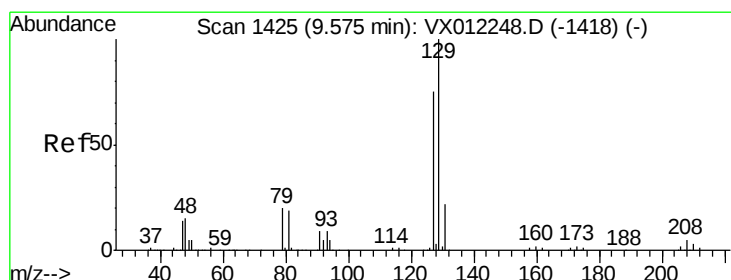
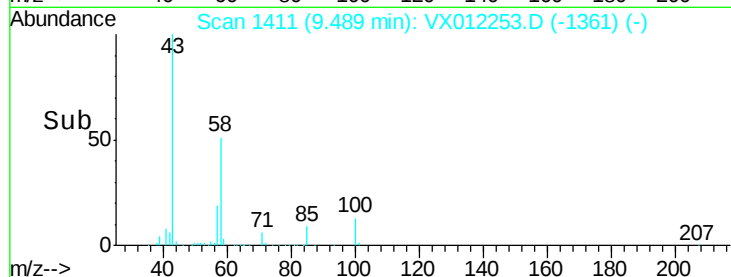
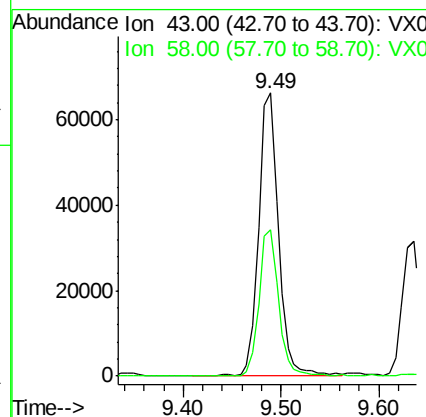
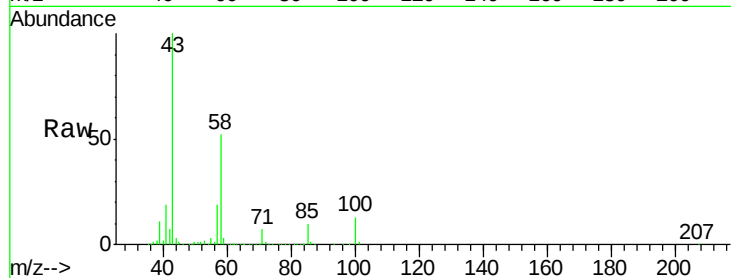
#59
2-Hexanone
Concen: 119.535 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion: 43 Resp: 92910
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

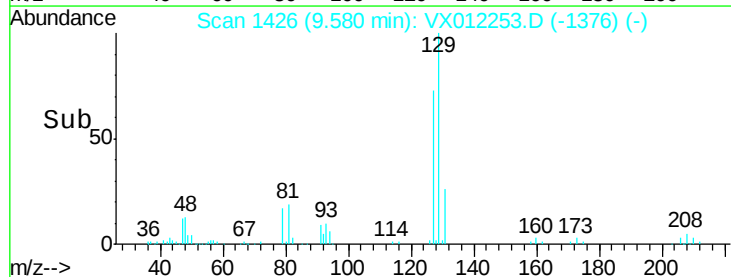
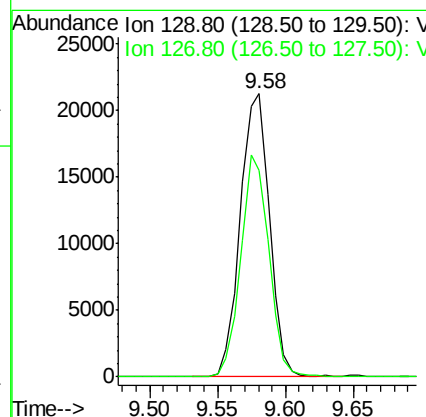
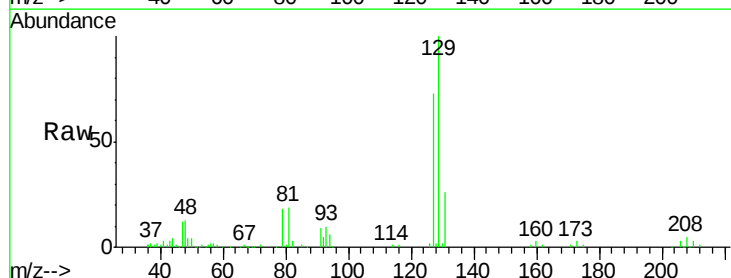
Manual Integrations
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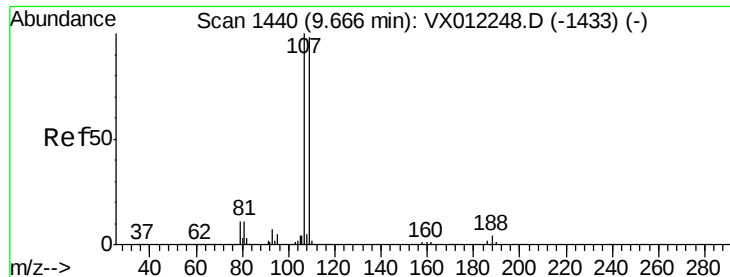
MMDadoda
9/12/2019 9:00:45 AM



#60
Dibromochloromethane
Concen: 23.736 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion: 129 Resp: 31944
Ion Ratio Lower Upper
129 100
127 75.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 23.453 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 107 Resp: 25168

Ion Ratio Lower Upper

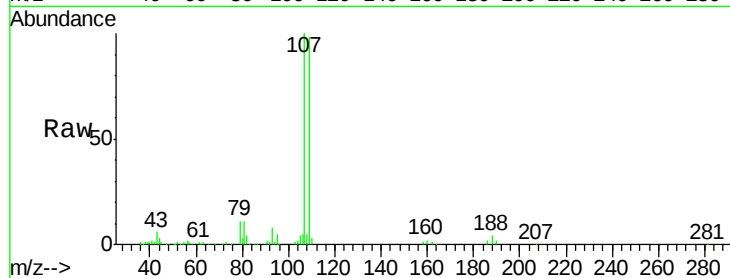
107 100

109 96.2 76.3 114.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

20000

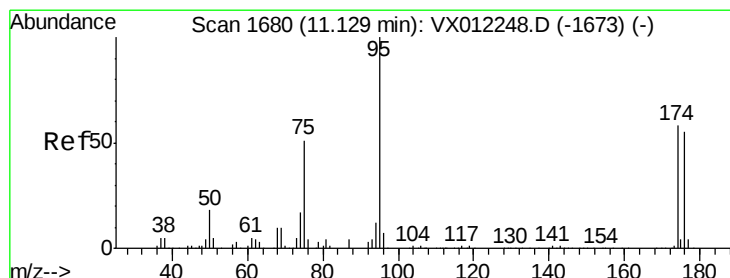
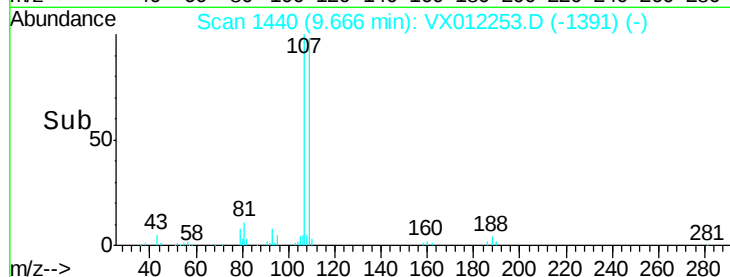
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 56.942 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

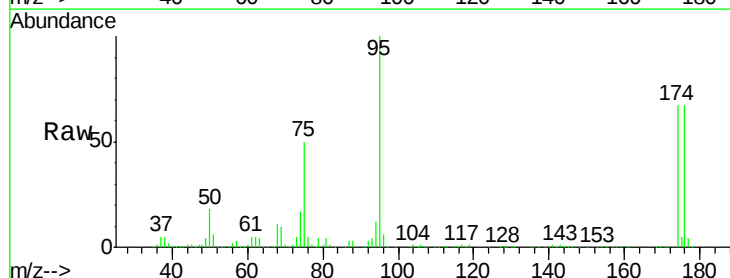
Tgt Ion: 95 Resp: 132288

Ion Ratio Lower Upper

95 100

174 64.5 0.0 127.0

176 63.3 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

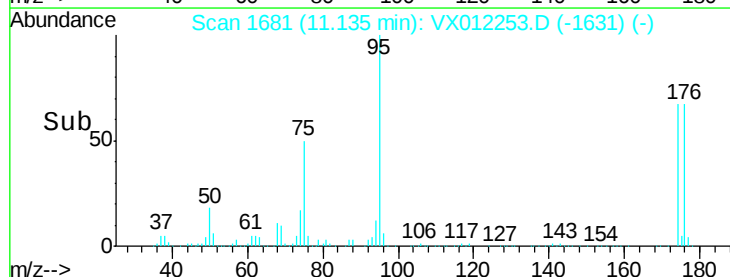
11.14

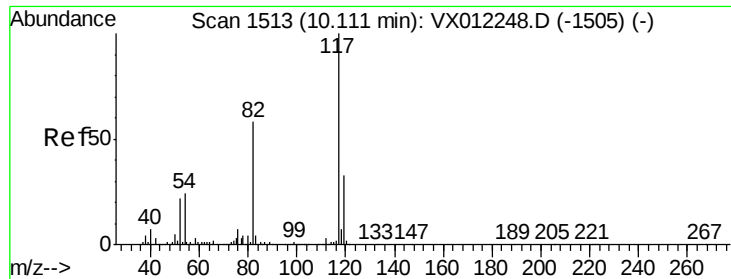
100000

50000

0

Time-->





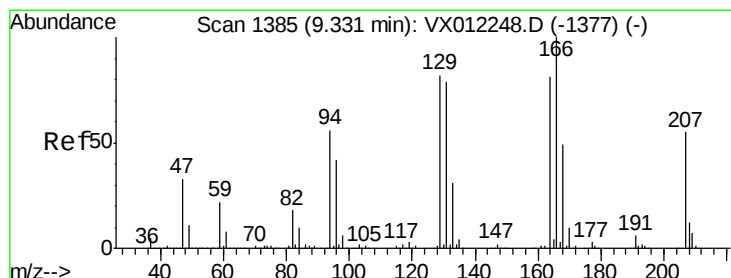
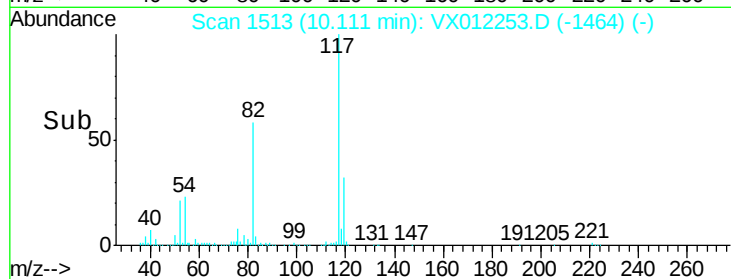
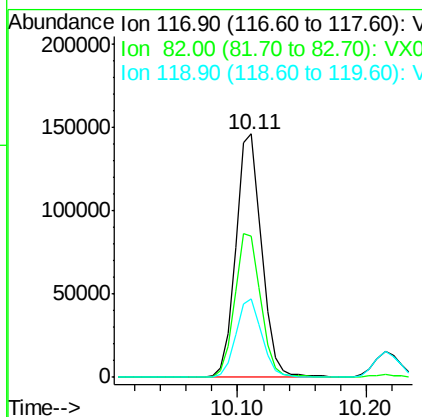
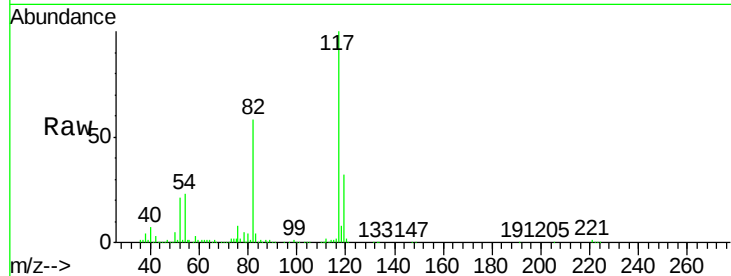
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	204298		
82	57.8	46.4	69.6	
119	32.3	26.6	39.8	

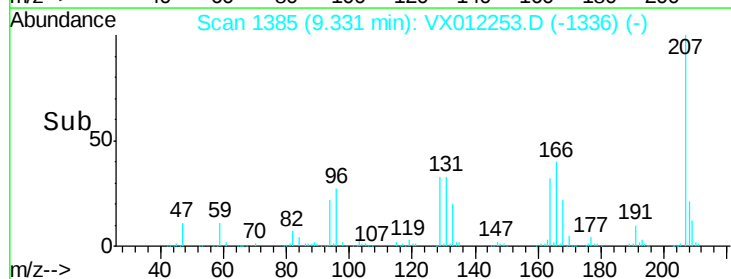
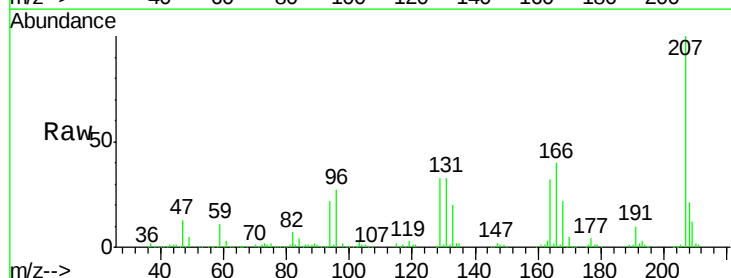
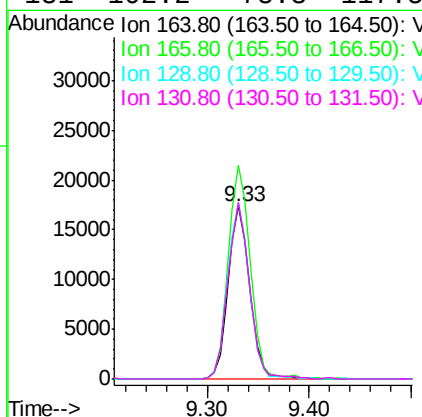
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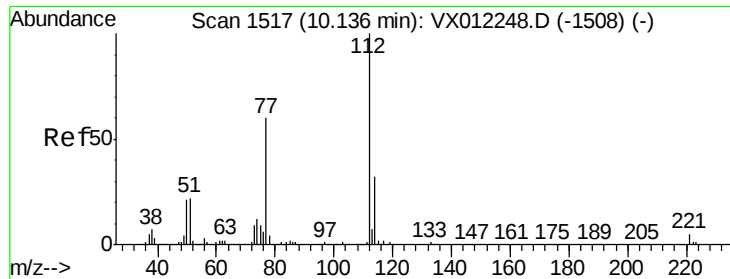
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#64
Tetrachloroethene
Concen: 23.408 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25292		
166	123.9	99.4	149.0	
129	102.6	81.8	122.8	
131	102.2	78.3	117.5	





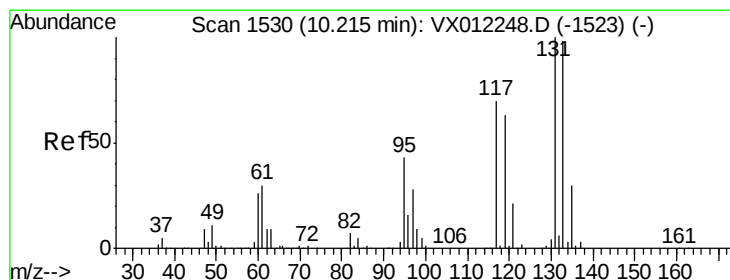
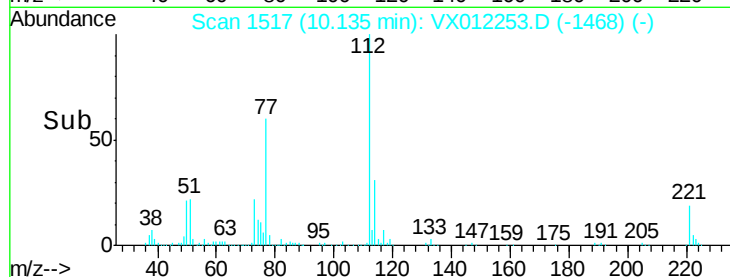
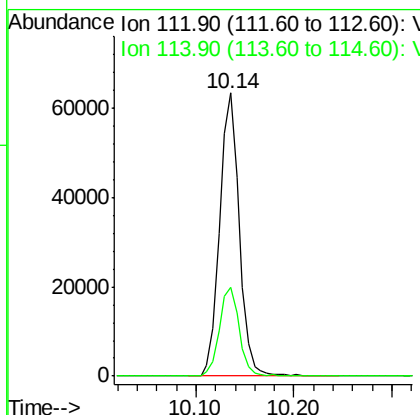
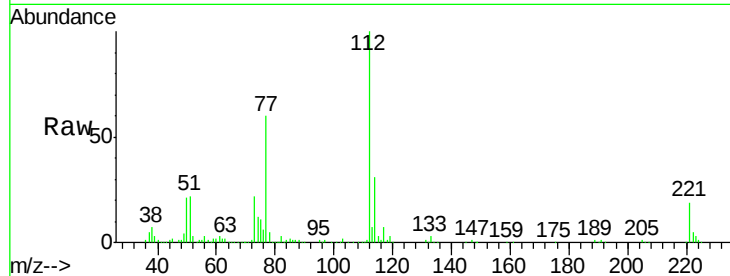
#65
Chlorobenzene
Concen: 23.650 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.4	38.0

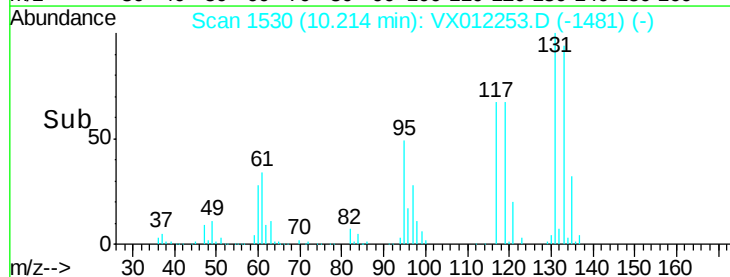
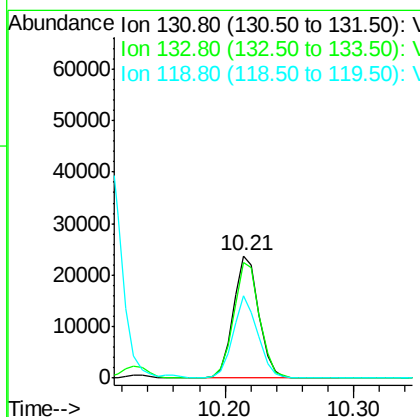
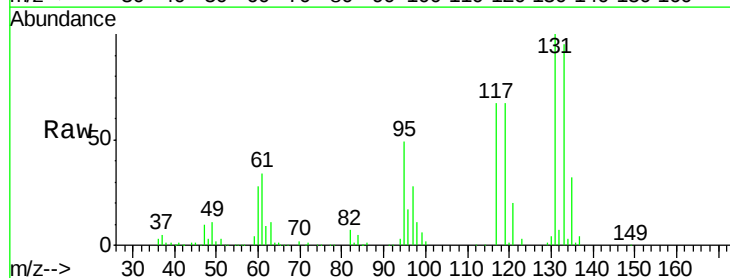
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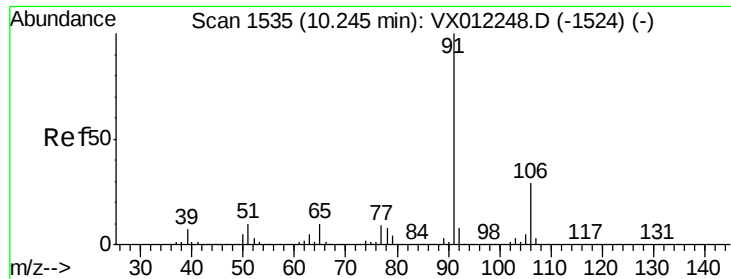
MMDadoda
9/12/2019 9:00:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.172 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	48.0	144.2
119	65.1	31.6	95.0





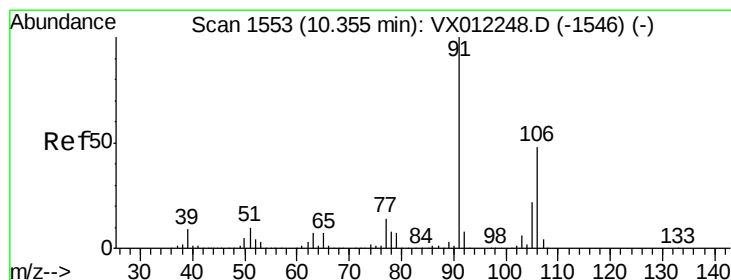
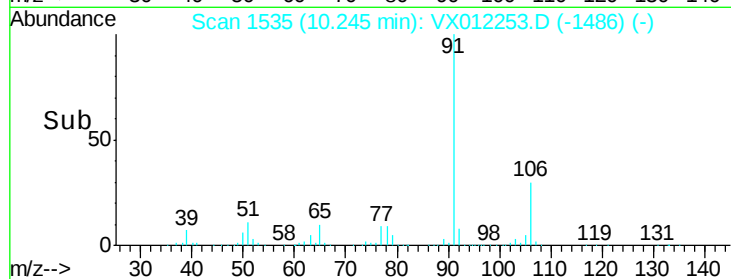
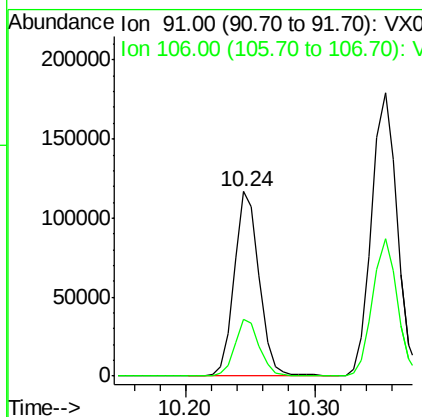
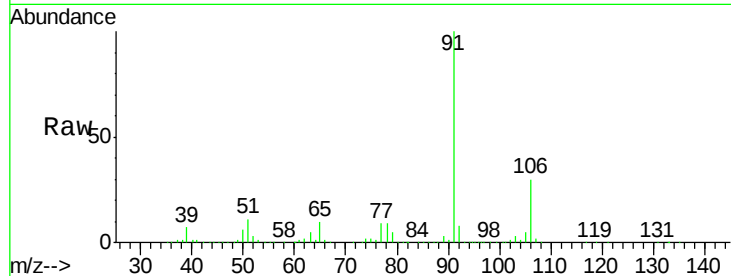
#67
Ethyl Benzene
Concen: 23.810 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion: 91 Resp: 158080
Ion Ratio Lower Upper
91 100
106 30.5 23.1 34.7

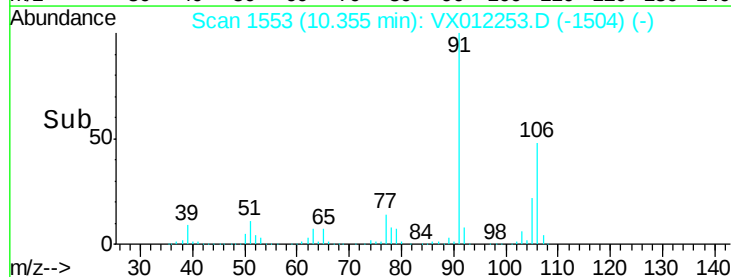
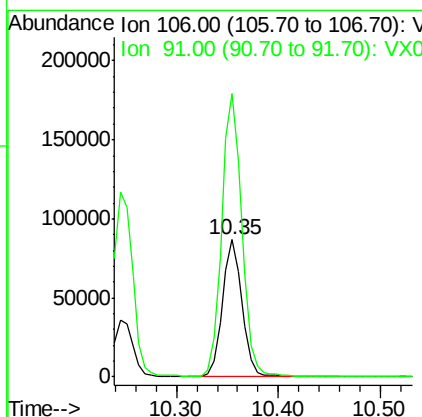
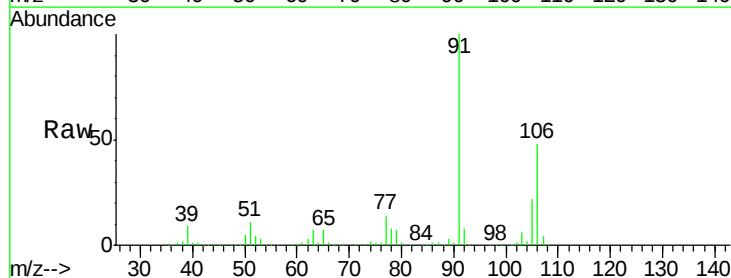
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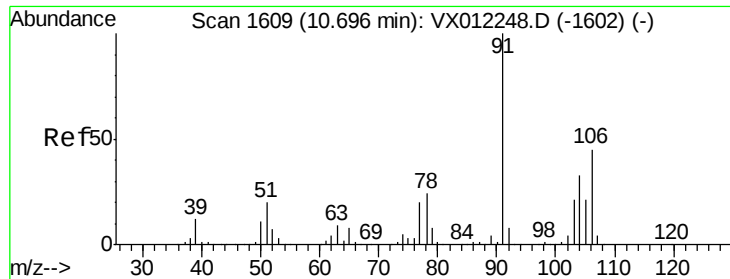
MMDadoda
9/12/2019 9:00:45 AM



#68
m/p-Xylenes
Concen: 47.931 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion: 106 Resp: 117143
Ion Ratio Lower Upper
106 100
91 210.2 167.0 250.6





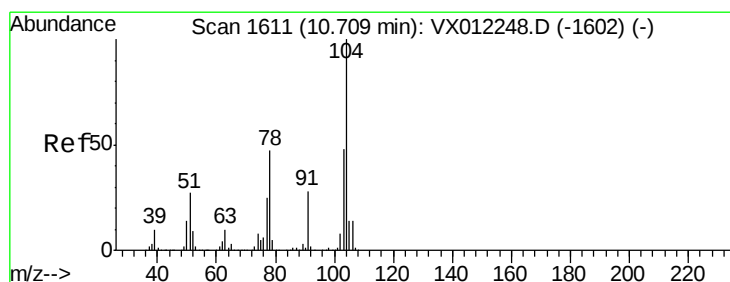
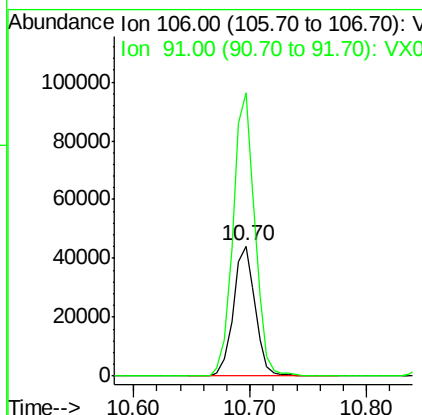
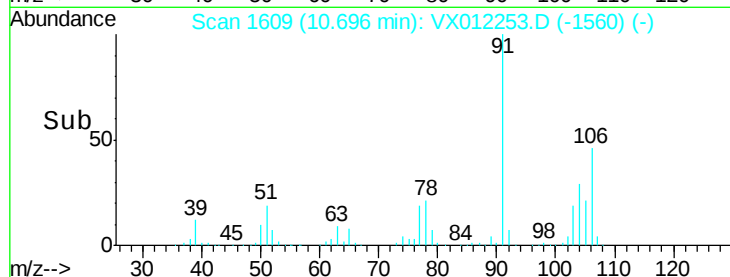
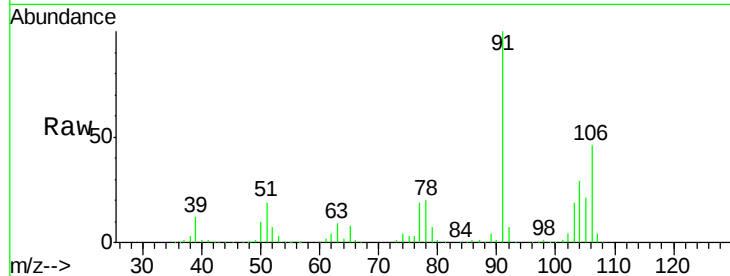
#69
o-Xylene
Concen: 23.989 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion:106 Resp: 57434
Ion Ratio Lower Upper
106 100
91 219.1 110.5 331.4

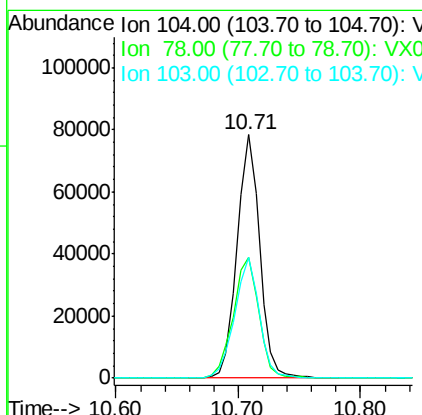
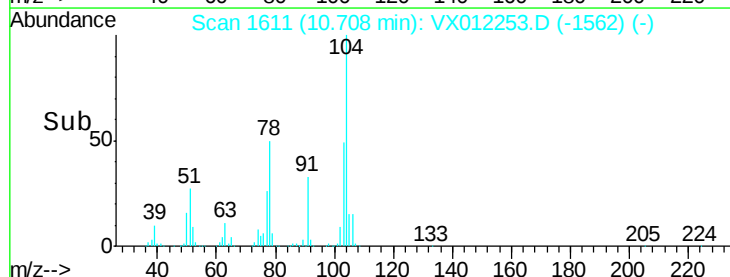
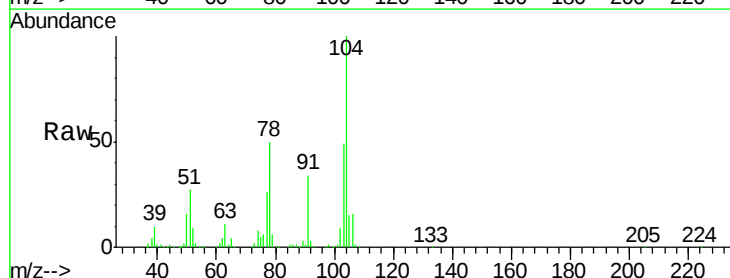
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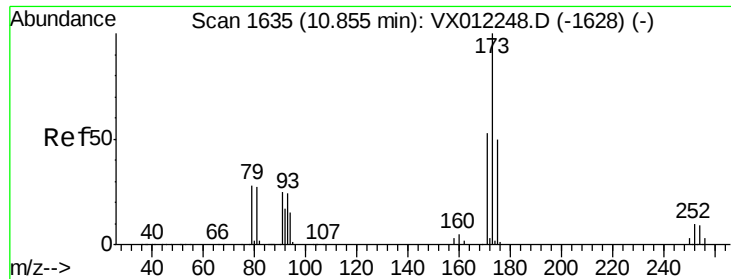
MMDadoda
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#70
Styrene
Concen: 23.587 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion:104 Resp: 100150
Ion Ratio Lower Upper
104 100
78 56.2 44.2 66.2
103 53.7 42.5 63.7





#71

Bromoform

Concen: 22.178 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion:173 Resp: 16183

Ion Ratio Lower Upper

173 100

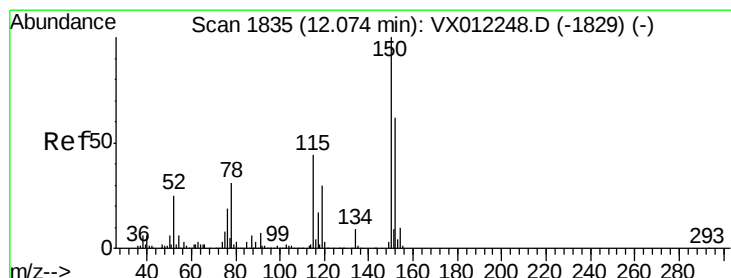
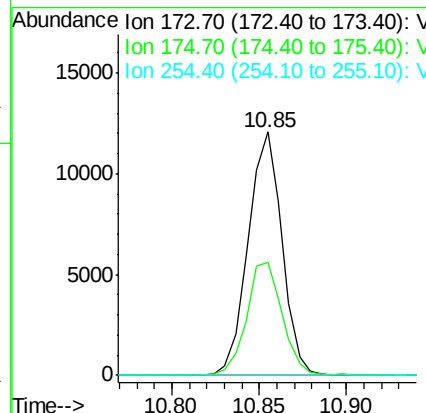
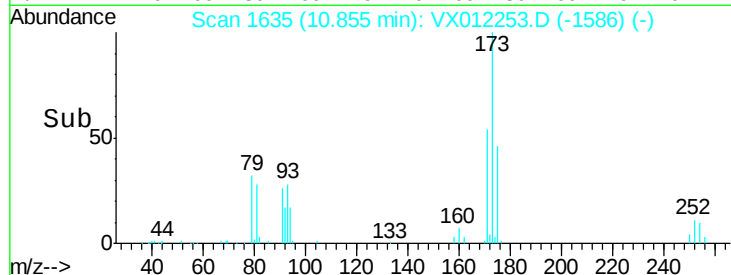
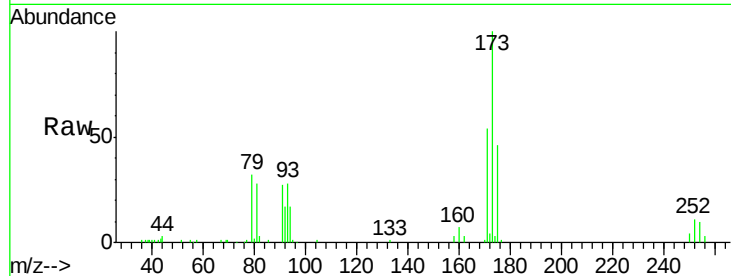
175 48.7 24.5 73.5

254 0.0 0.2 0.4#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

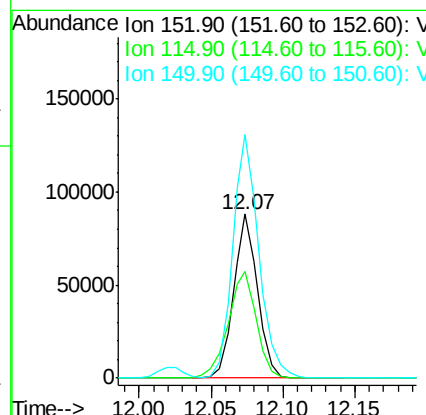
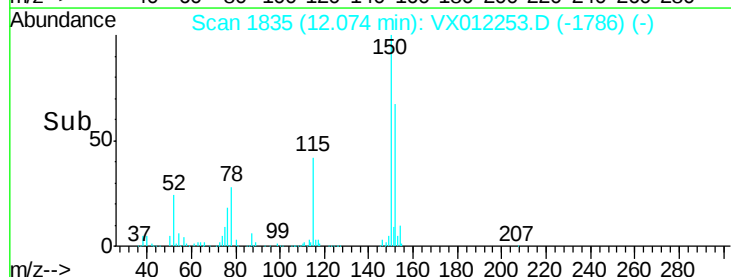
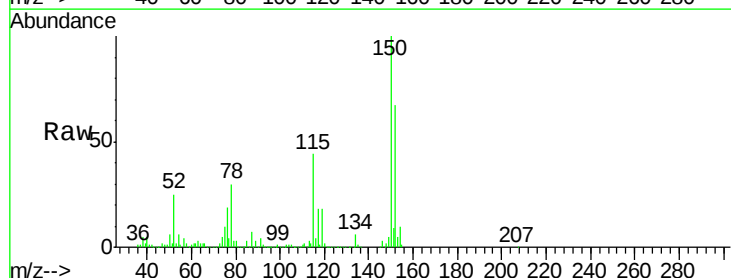
Tgt Ion:152 Resp: 101921

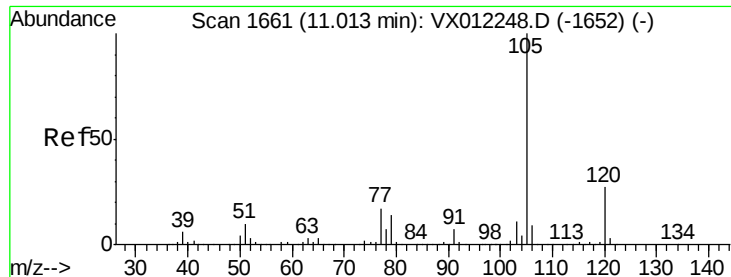
Ion Ratio Lower Upper

152 100

115 77.1 45.5 136.4

150 162.5 0.0 346.4





#73

Isopropylbenzene

Concen: 23.435 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 105 Resp: 157245

Ion Ratio Lower Upper

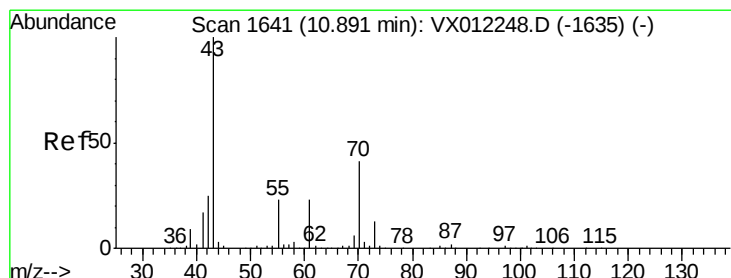
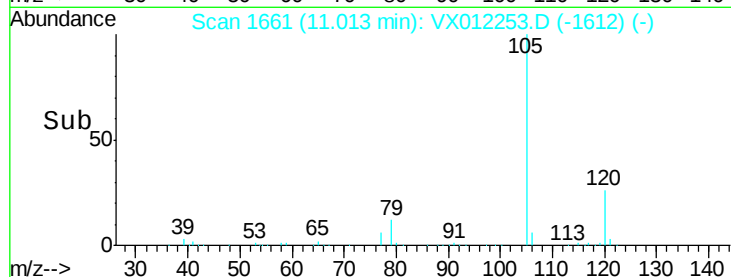
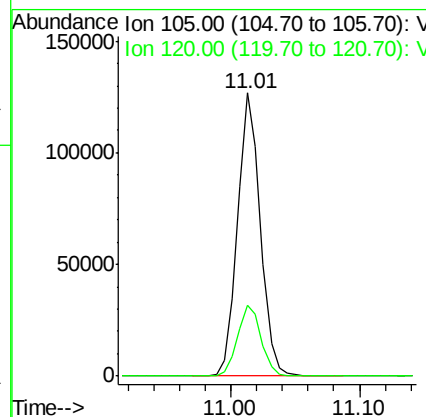
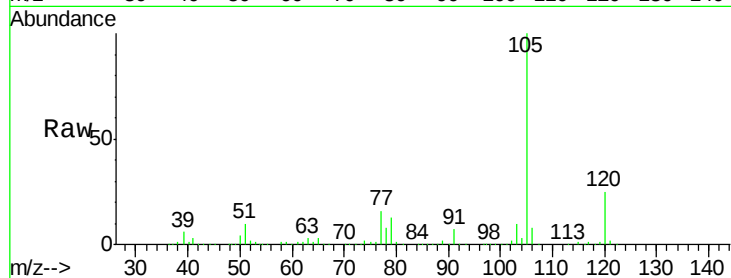
105 100

120 25.9 13.2 39.5

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#74

N-ethyl acetate

Concen: 23.008 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion: 43 Resp: 45901

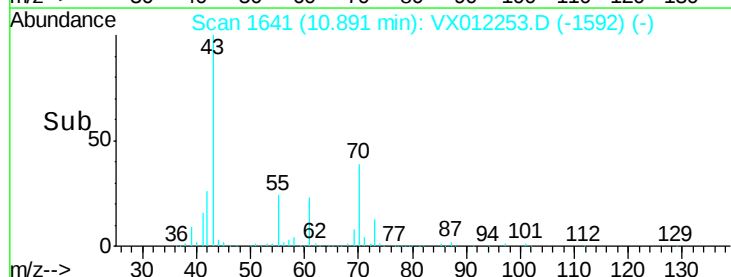
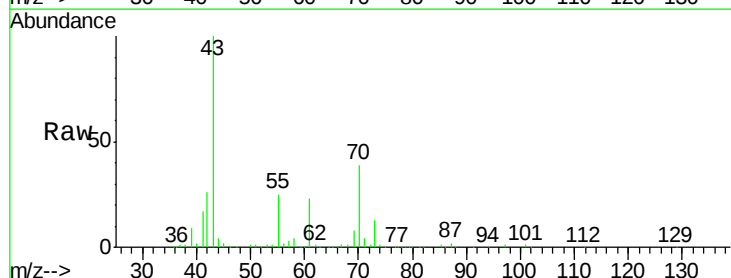
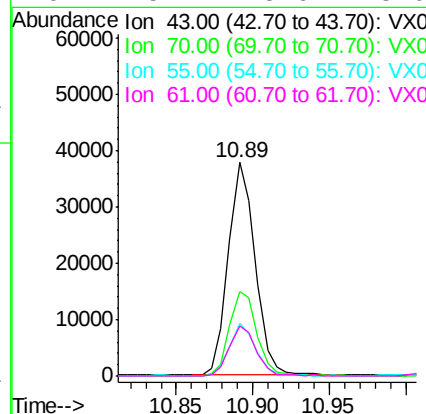
Ion Ratio Lower Upper

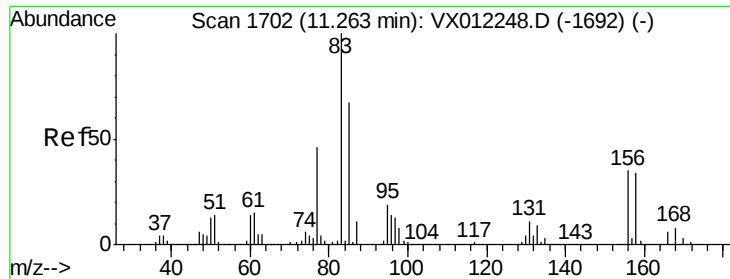
43 100

70 40.7 32.9 49.3

55 24.0 19.1 28.7

61 23.7 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.666 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

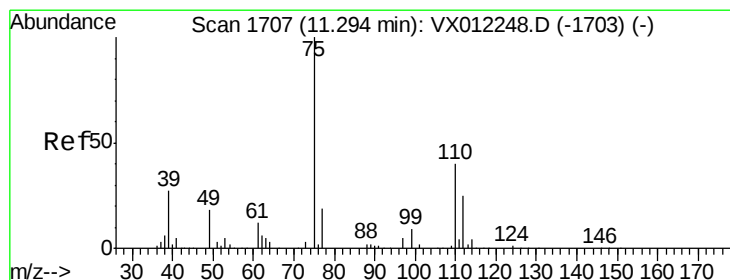
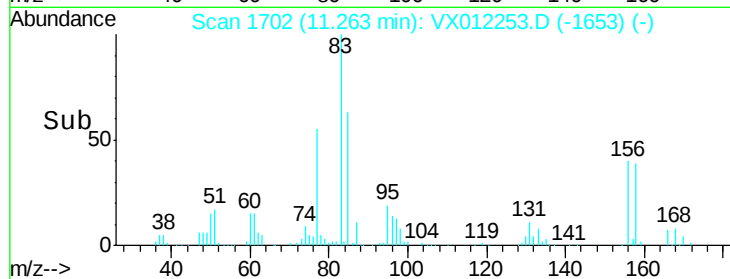
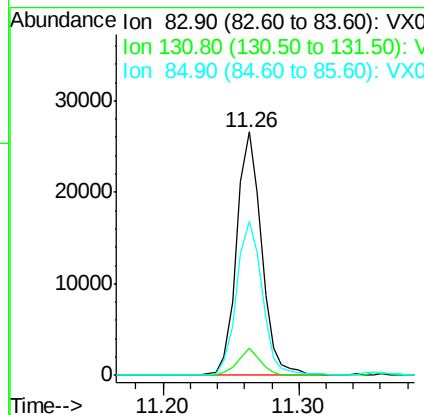
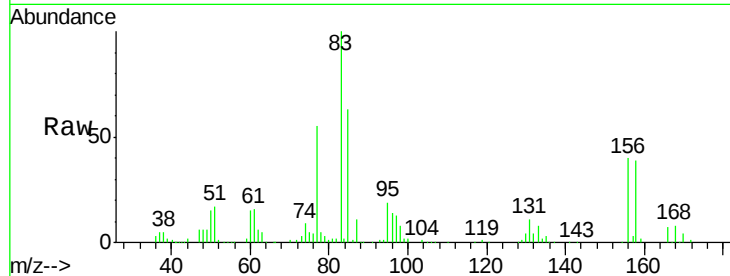
ClientSampleId :

VX0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	34103		
131	10.2	5.5	16.4	
85	65.7	32.8	98.4	

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#76

1,2,3-Trichloropropane

Concen: 23.227 ug/l m

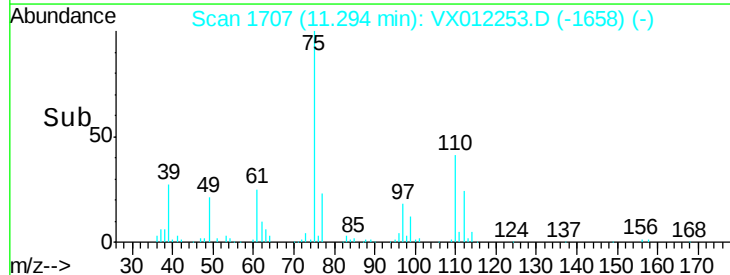
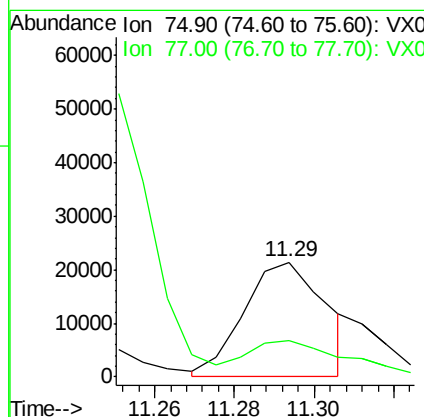
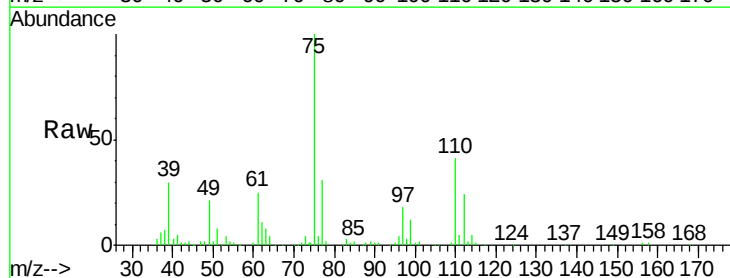
RT: 11.29 min Scan# 1707

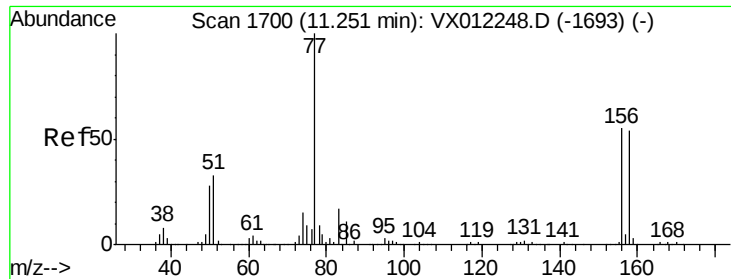
Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30412		
77	38.7	19.7	59.0	





#77

Bromobenzene

Concen: 24.239 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

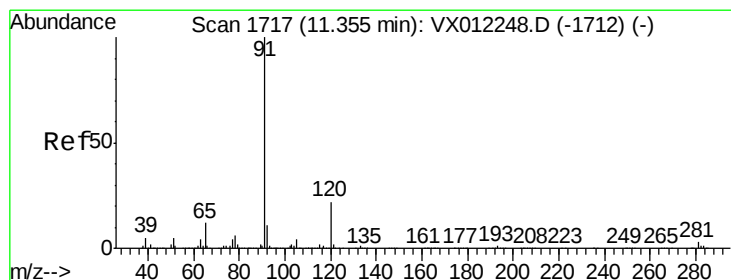
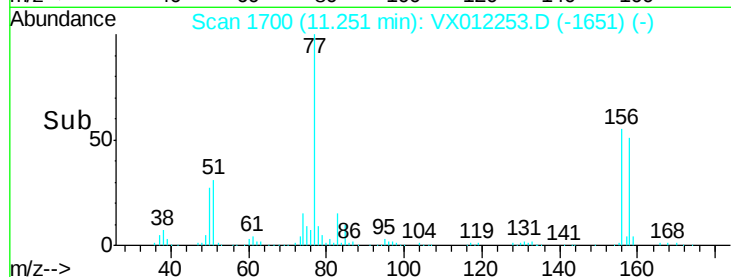
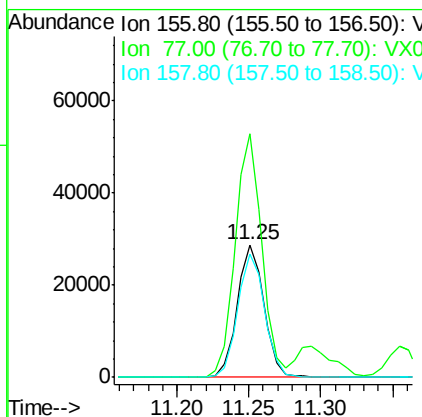
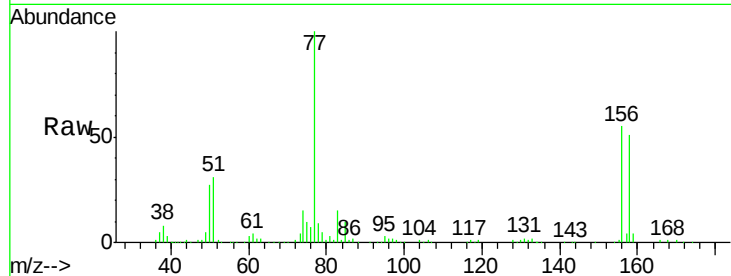
ClientSampleId :

VX0910SBS01

Tot Ion:	156	Resp:	37444
Ion	Ratio	Lower	Upper
156	100		
77	182.0	92.2	276.6
158	93.3	48.8	146.3

Manual Integrations
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9/12/2019 9:00:45 AM



#78

n-propylbenzene

Concen: 23.844 ug/l

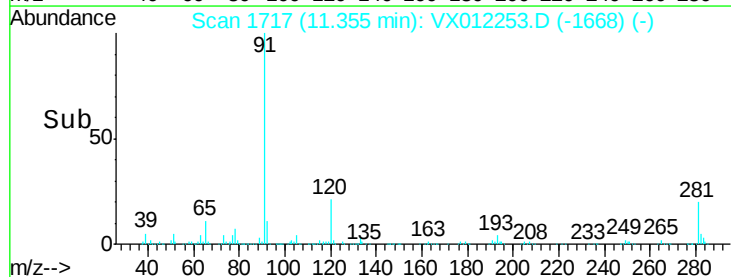
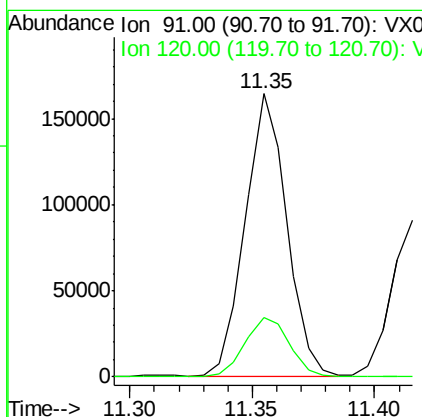
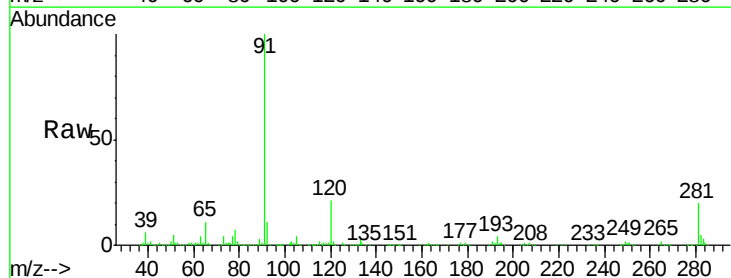
RT: 11.35 min Scan# 1717

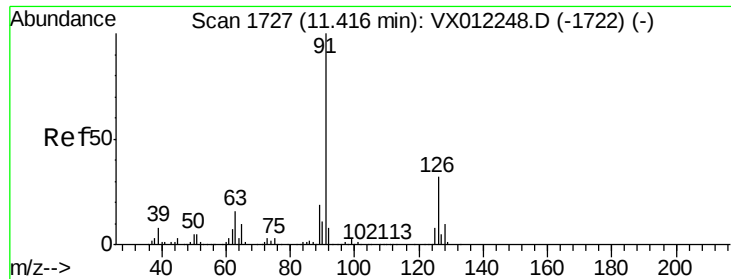
Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion:	91	Resp:	193201
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.2	33.6





#79

2-Chlorotoluene

Concen: 23.492 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion: 91 Resp: 117933

Ion Ratio Lower Upper

91 100

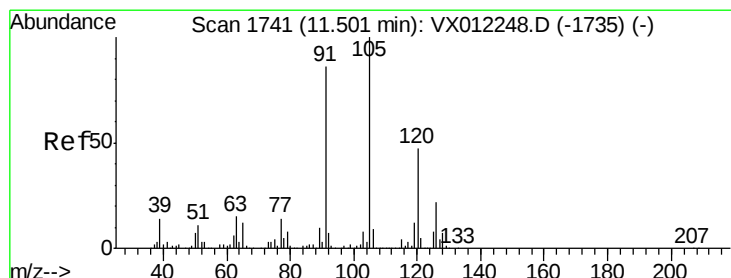
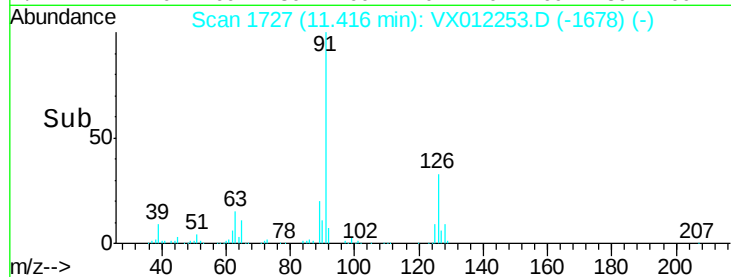
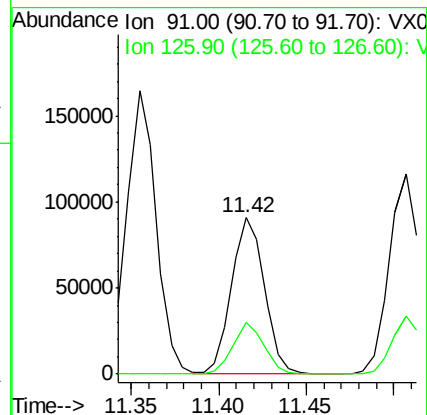
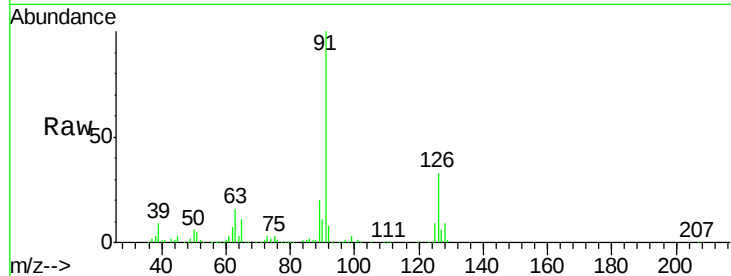
126 31.7 15.9 47.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 23.758 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012253.D

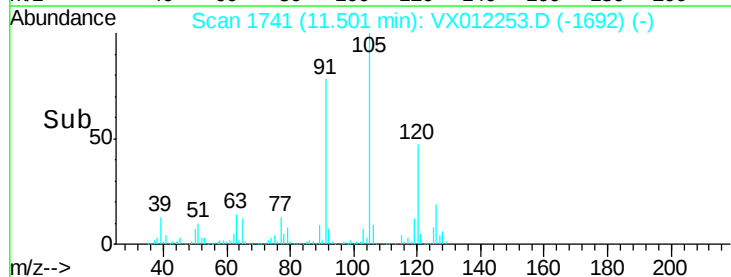
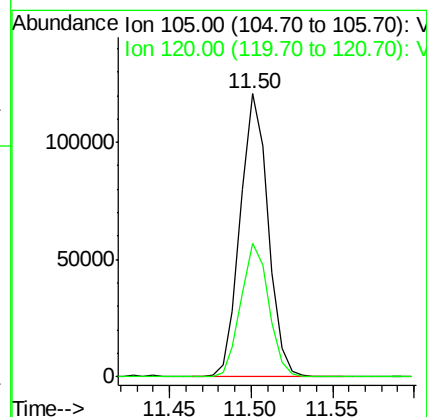
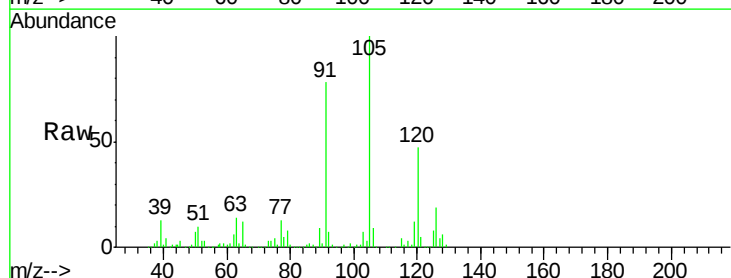
Acq: 10 Sep 2019 14:08

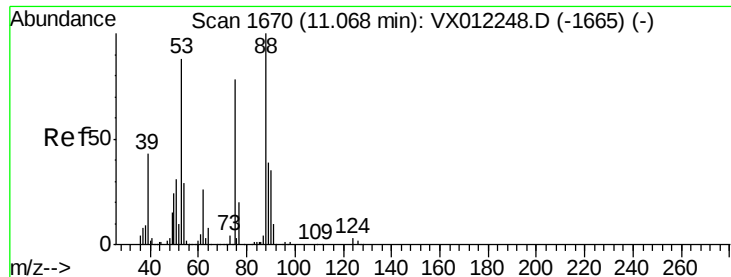
Tgt Ion: 105 Resp: 143356

Ion Ratio Lower Upper

105 100

120 47.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 22.685 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

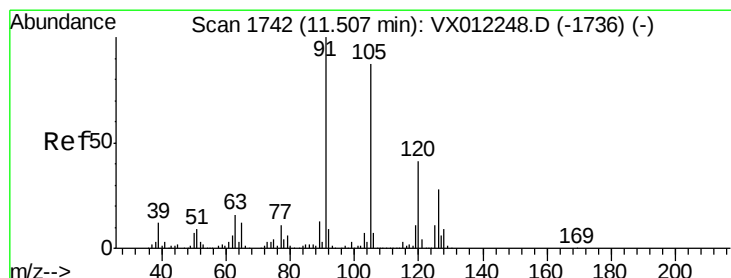
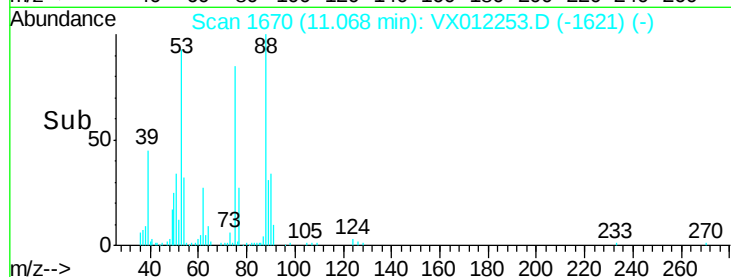
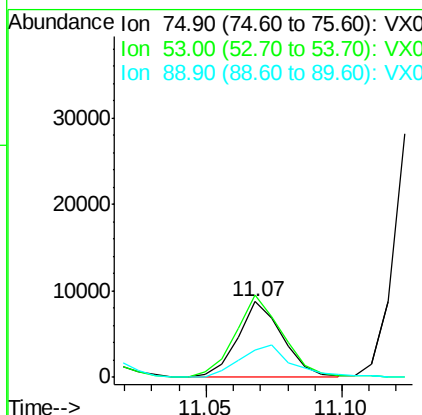
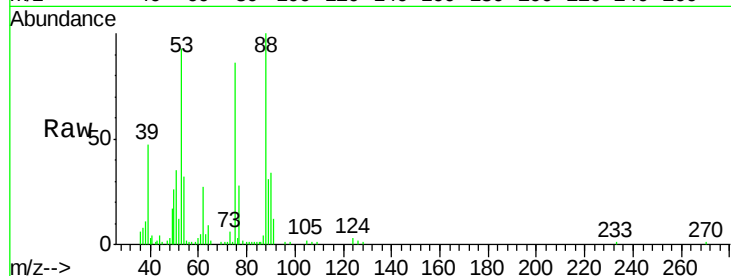
ClientSampleId :

VX0910SBS01

Tot Ion:	75	Resp:	9913
Ion	Ratio	Lower	Upper
75	100		
53	116.0	88.1	132.1
89	51.2	43.5	65.3

Manual Integrations
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9/12/2019 9:00:45 AM



#82

4-Chlorotoluene

Concen: 23.876 ug/l

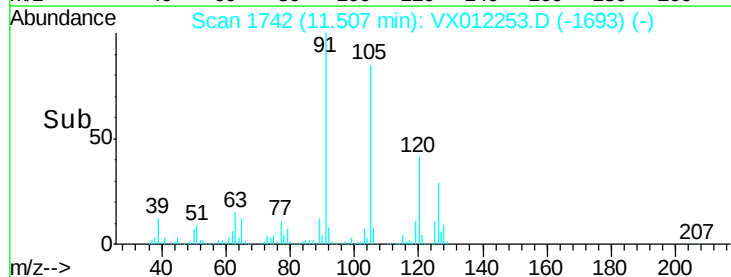
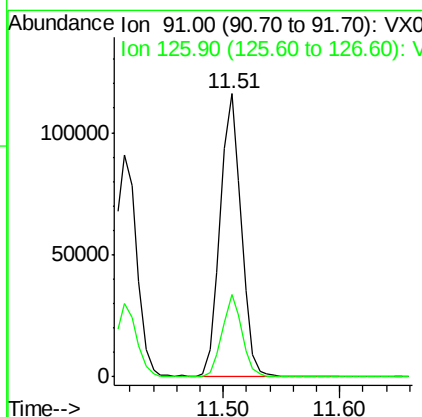
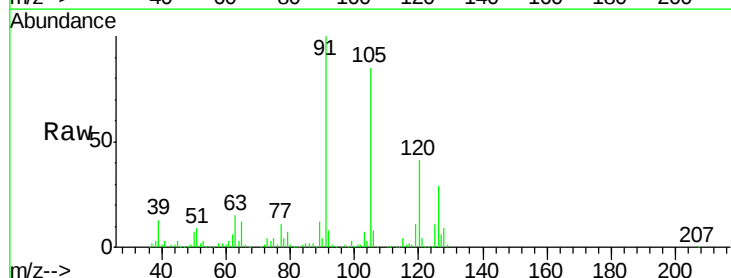
RT: 11.51 min Scan# 1742

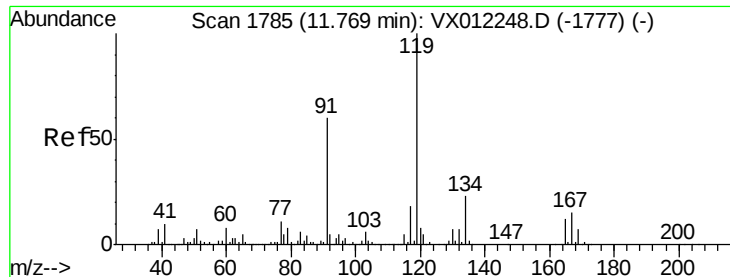
Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion:	91	Resp:	144041
Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.0	42.0





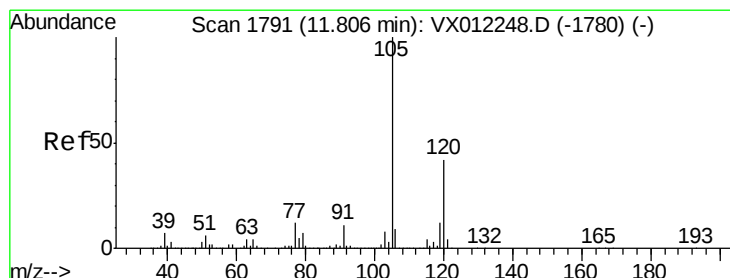
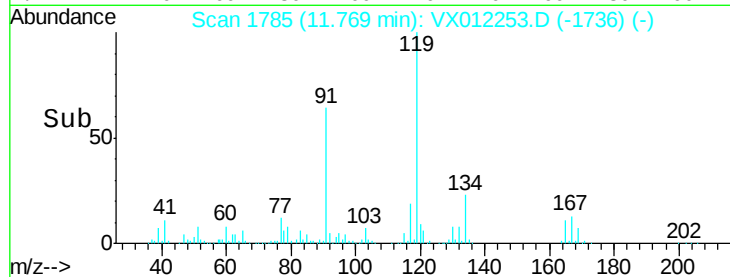
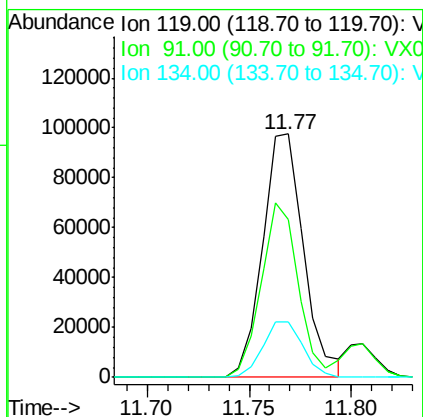
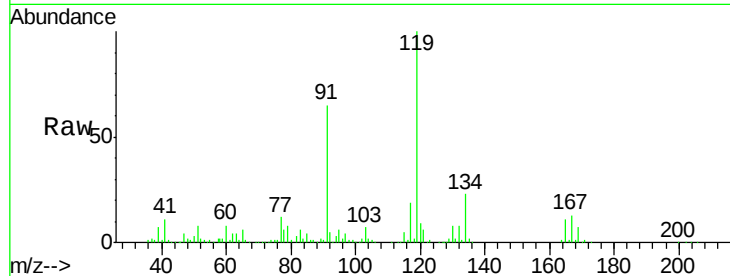
#83
tert-Butylbenzene
Concen: 23.377 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	136969		
91	64.4	30.9	92.8	
134	22.7	11.2	33.6	

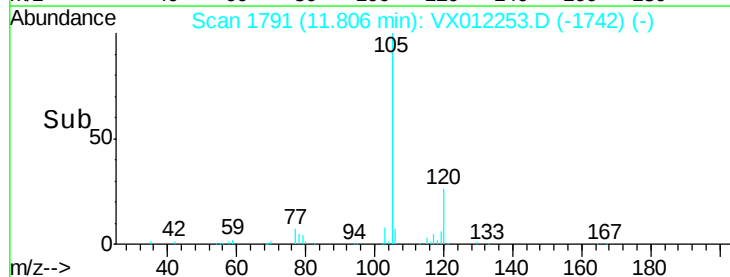
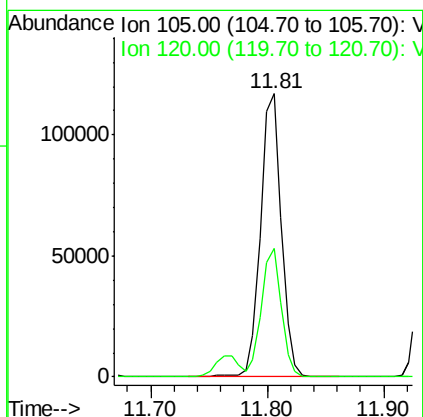
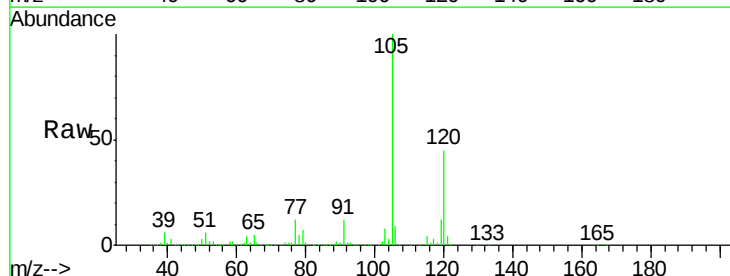
Manual Integrations
APPROVED

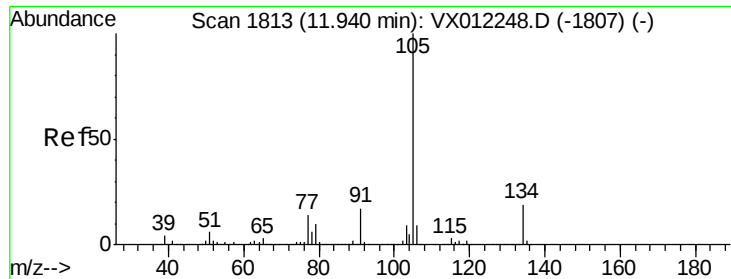
MMDadoda
9/12/2019 9:00:45 AM



#84
1,2,4-Trimethylbenzene
Concen: 23.547 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	146877		
120	43.6	21.3	63.9	





#85

sec-Butylbenzene

Concen: 23.473 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

ClientSampleId :

VX0910SBS01

Tot Ion:105 Resp: 164096

Ion Ratio Lower Upper

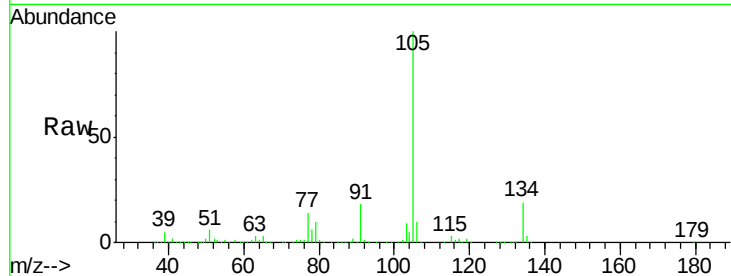
105 100

134 19.0 9.9 29.7

Manual Integrations
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9/12/2019 9:00:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

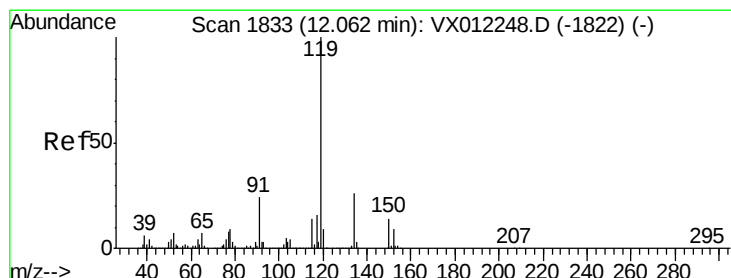
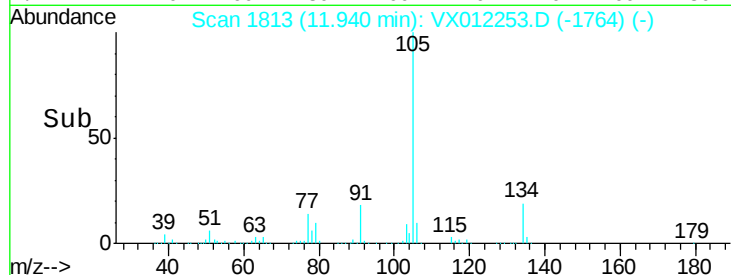
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.696 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

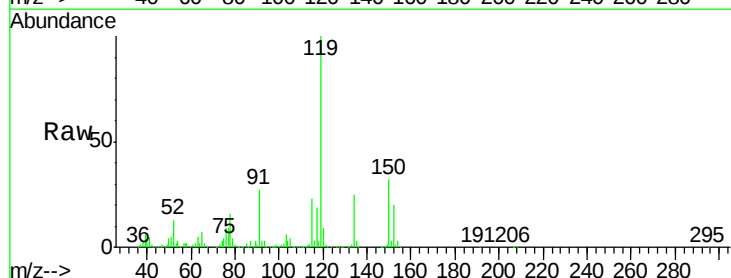
Tgt Ion:119 Resp: 153065

Ion Ratio Lower Upper

119 100

134 25.1 12.9 38.7

91 26.7 13.1 39.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

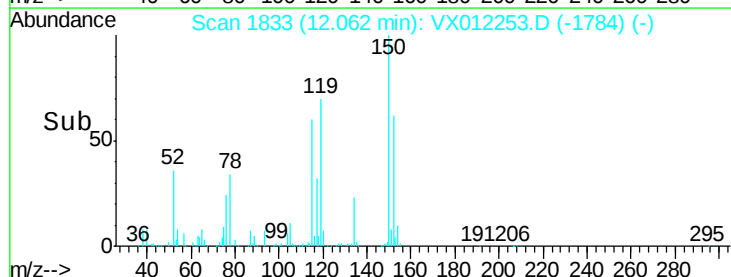
150000

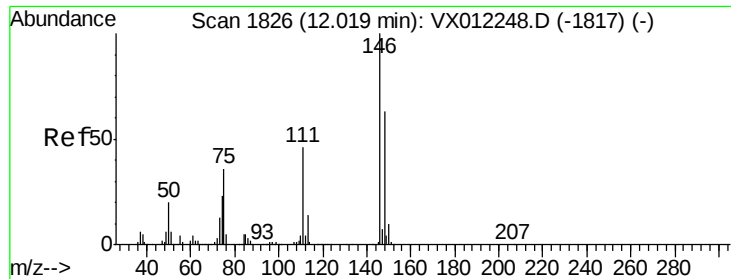
100000

50000

0

Time-->





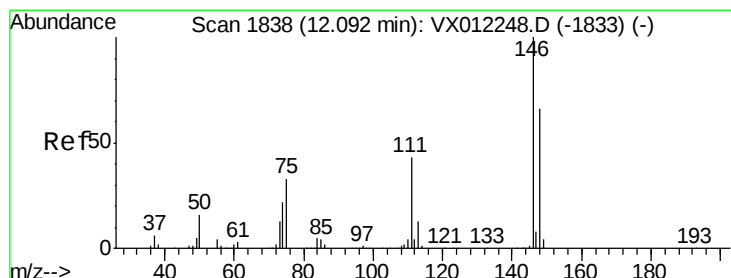
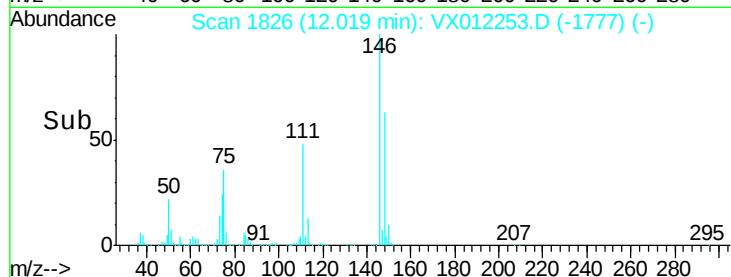
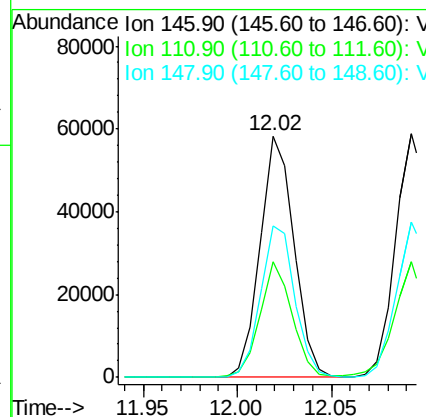
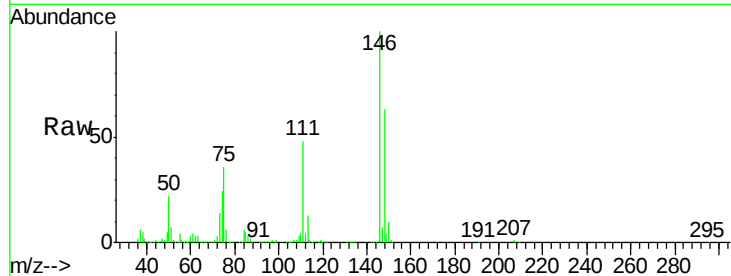
#87
 1,3-Dichlorobenzene
 Concen: 23.148 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.3	66.8
148	63.4	31.5	94.5

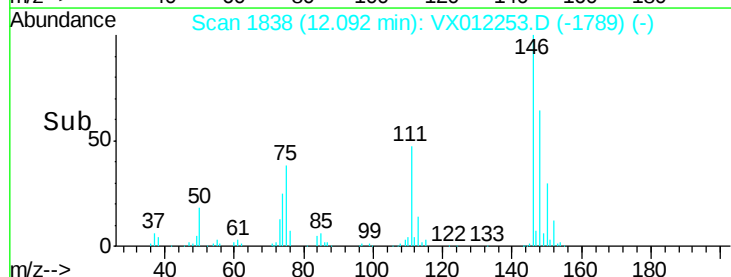
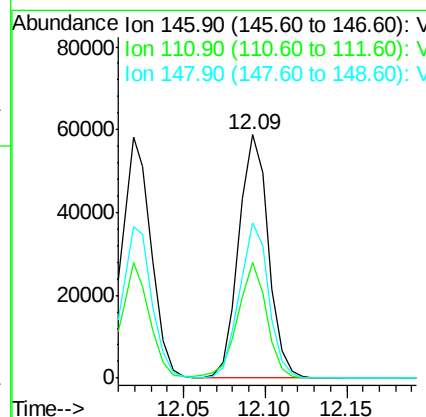
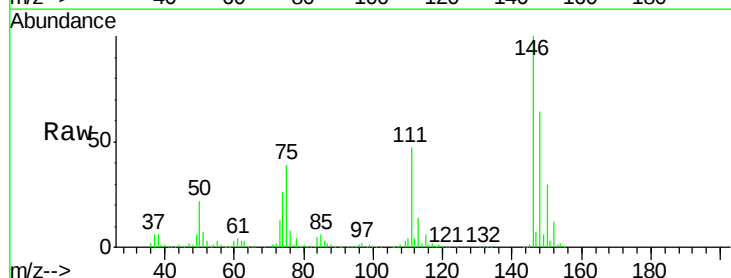
Manual Integrations
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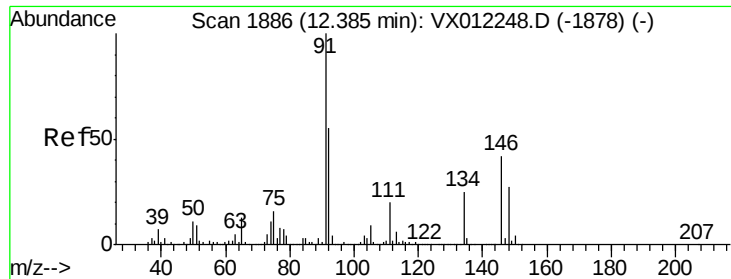
MMDadoda
 9/12/2019 9:00:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 23.339 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.6	21.6	64.8
148	62.9	32.4	97.2





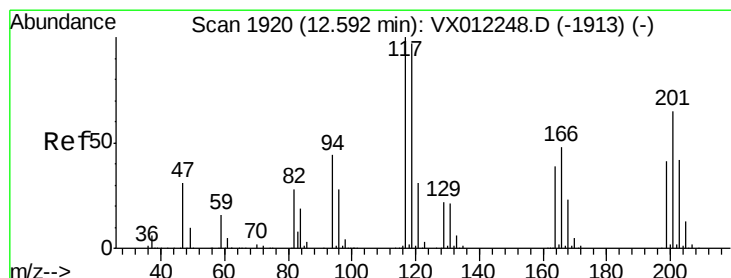
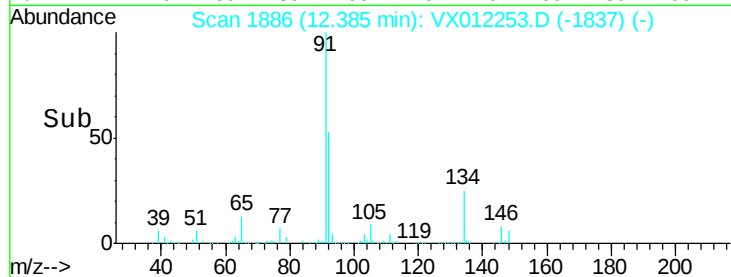
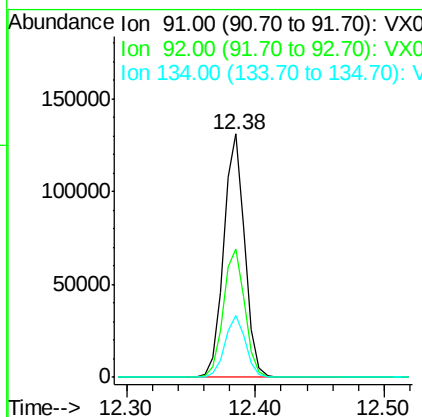
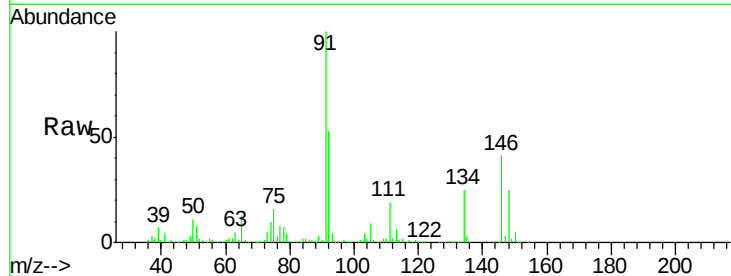
#89
n-Butylbenzene
Concen: 23.786 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Instrument :
MSVOA_X
ClientSampleId :
VX0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	150596		
92	54.1	27.6	82.7	
134	25.2	12.5	37.5	

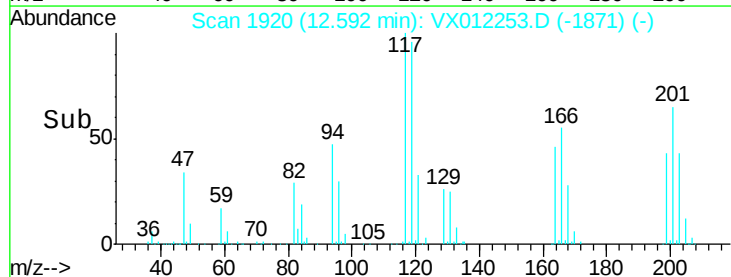
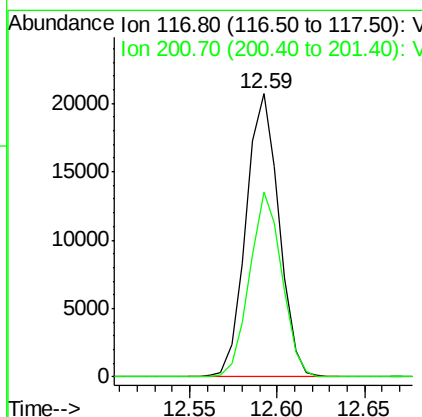
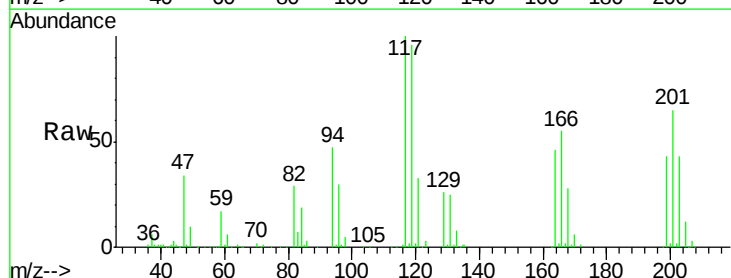
Manual Integrations
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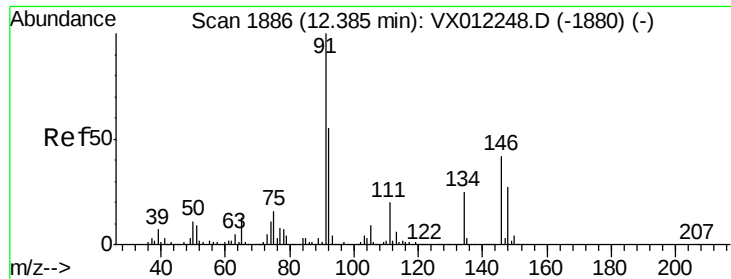
MMDadoda
9/12/2019 9:00:45 AM



#90
Hexachloroethane
Concen: 22.764 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012253.D
Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27085		
201	63.9	32.2	96.6	





#91

1,2-Dichlorobenzene

Concen: 23.664 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

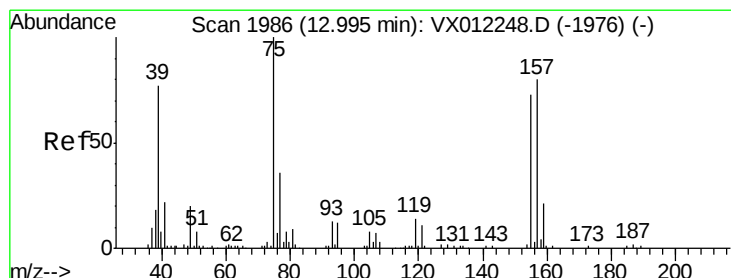
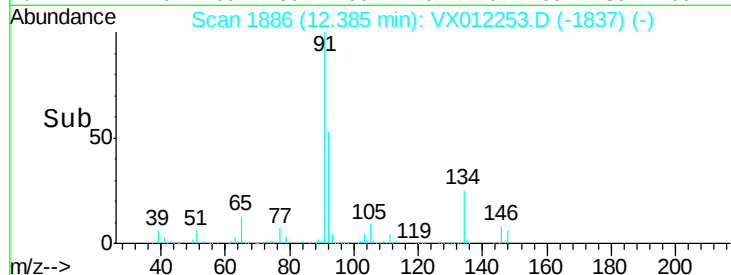
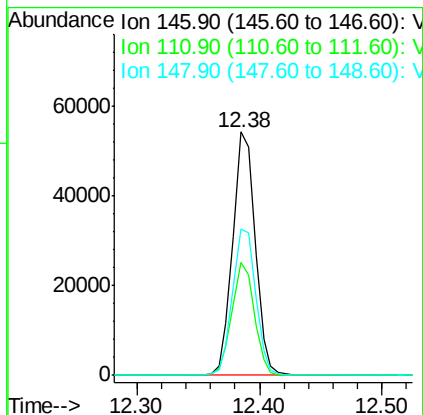
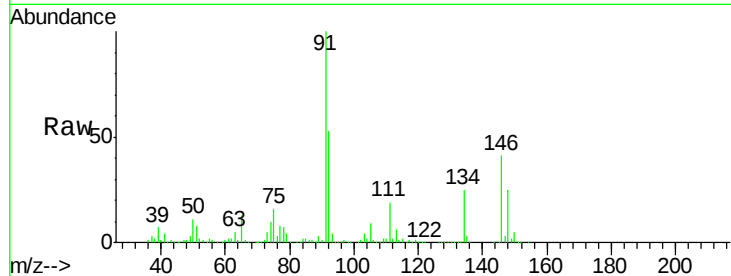
ClientSampleId :

VX0910SBS01

Tot Ion:	146	Resp:	68885
Ion Ratio	Lower	Upper	
146	100		
111	46.5	23.2	69.6
148	61.9	32.4	97.0

Manual Integrations
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MMDadoda
9/12/2019 9:00:45 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.574 ug/l

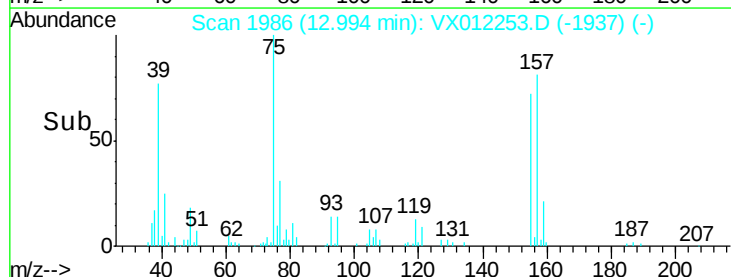
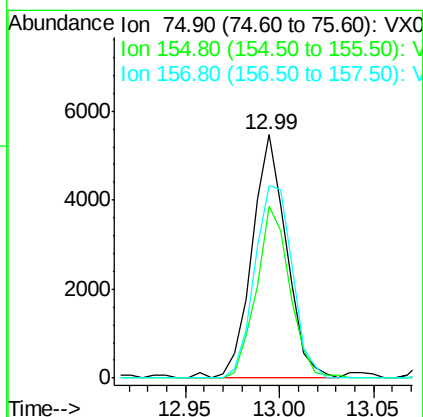
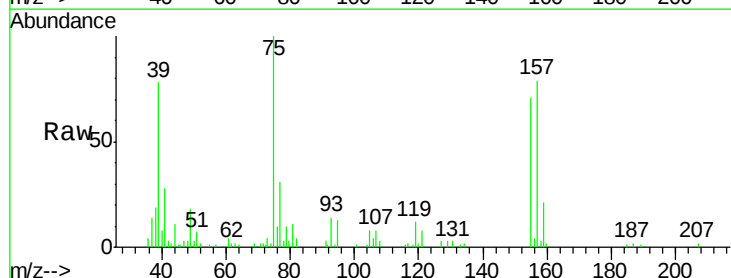
RT: 12.99 min Scan# 1986

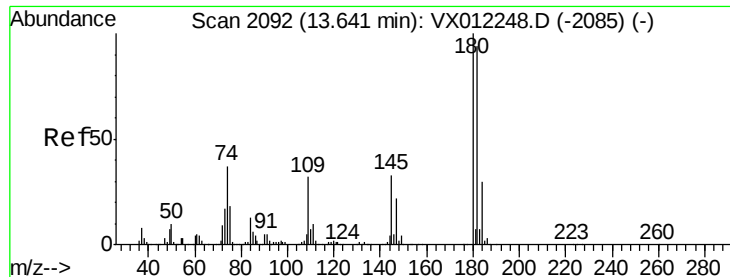
Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion:	75	Resp:	6934
Ion Ratio	Lower	Upper	
75	100		
155	68.4	35.3	105.7
157	85.8	43.2	129.6





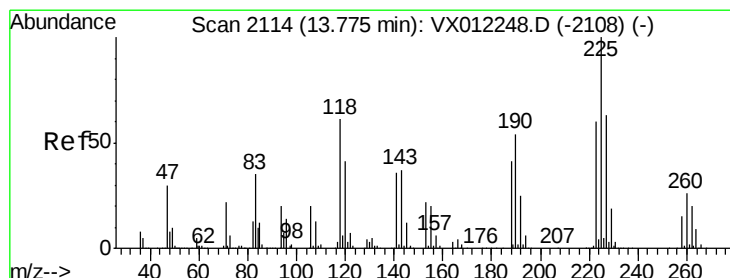
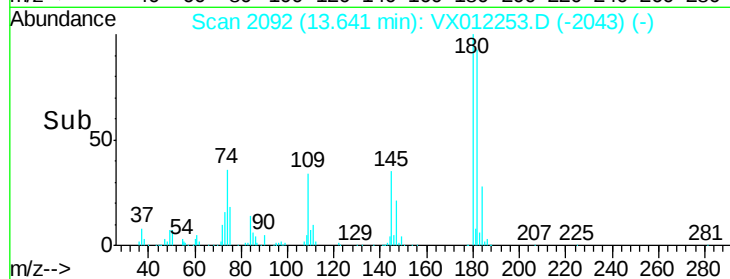
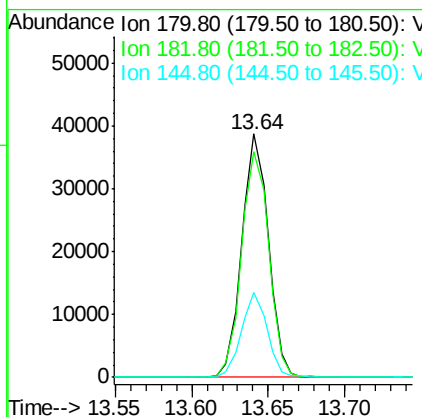
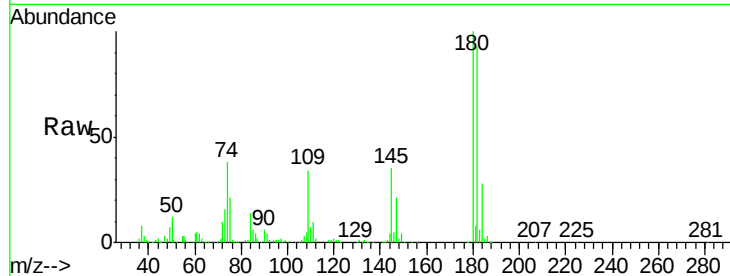
#93
 1,2,4-Trichlorobenzene
 Concen: 23.314 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46868		
182	95.0	46.9	140.8	
145	33.6	17.1	51.2	

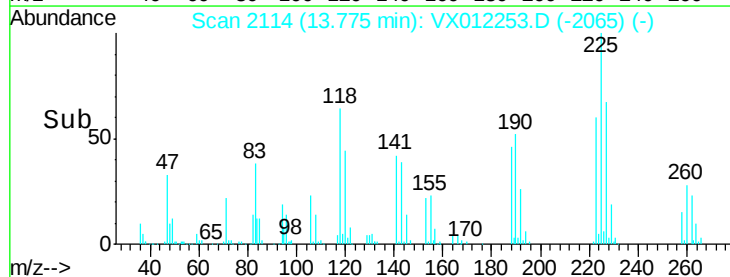
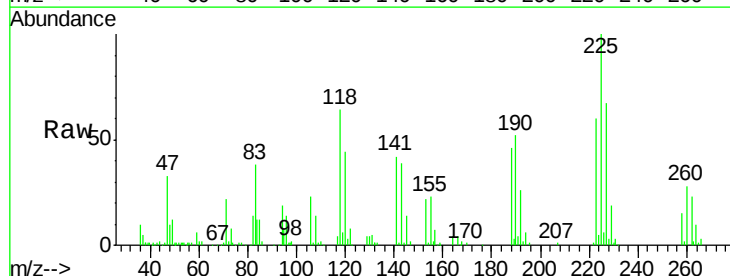
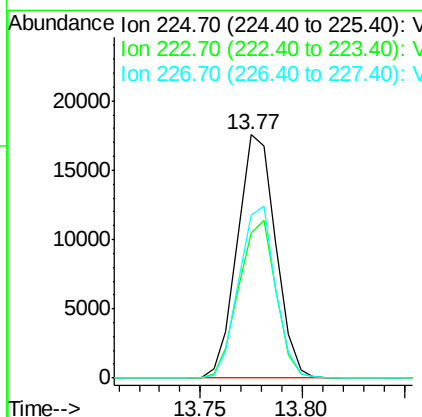
Manual Integrations
 APPROVED

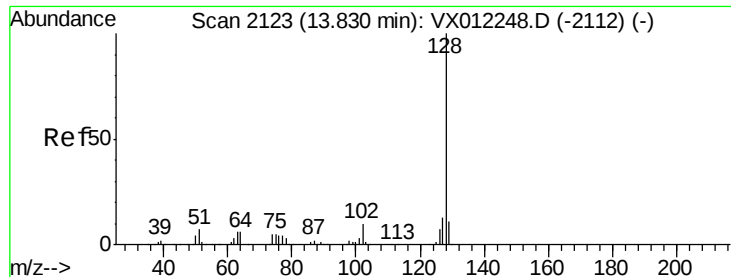
MMDadoda
 9/12/2019 9:00:45 AM



#94
 Hexachlorobutadiene
 Concen: 22.900 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX012253.D
 Acq: 10 Sep 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22902		
223	63.1	32.1	96.5	
227	67.2	32.5	97.5	





#95

Naphthalene

Concen: 23.488 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Instrument :

MSVOA_X

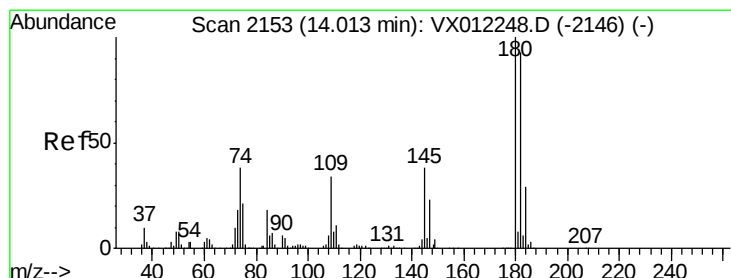
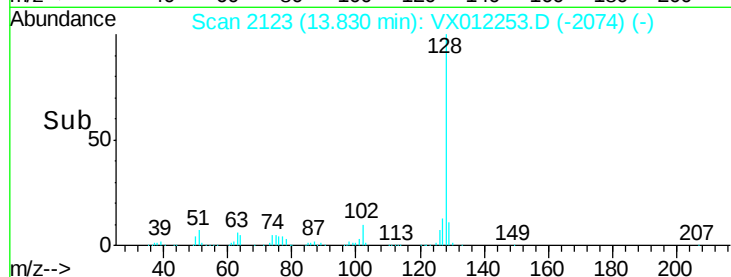
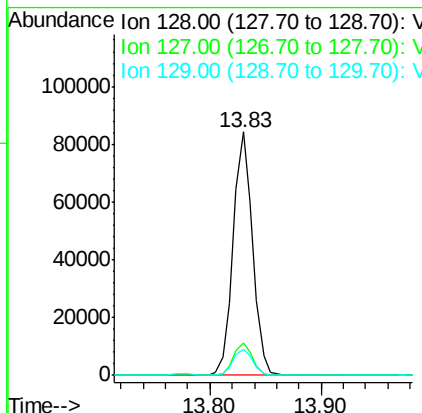
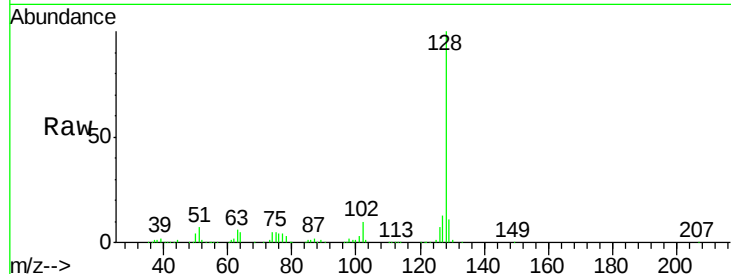
ClientSampleId :

VX0910SBS01

Tot Ion:	128	Resp:	101330
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:00:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.485 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX012253.D

Acq: 10 Sep 2019 14:08

Tgt Ion:	180	Resp:	41772
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.0	141.0
145	38.1	18.6	55.8

