

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090819\
 Data File : VX012214.D
 Acq On : 08 Sep 2019 11:05
 Operator : SY/SP
 Sample : VX0908SBS01
 Misc : 5.00µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 8:43:13 AM

Quant Time: Sep 09 02:06:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	98928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	174375	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	160593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	81514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	79566	58.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.58%	
35) Dibromofluoromethane	5.48	113	62452	58.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.48%	
50) Toluene-d8	8.71	98	237164	60.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.54%	
62) 4-Bromofluorobenzene	11.13	95	104078	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	22135	24.263	ug/l	95
3) Chloromethane	1.31	50	19844	21.240	ug/l	98
4) Vinyl Chloride	1.40	62	19791	22.515	ug/l	100
5) Bromomethane	1.62	94	9197	21.091	ug/l	95
6) Chloroethane	1.70	64	13025	23.836	ug/l	99
7) Trichlorofluoromethane	1.91	101	33972	24.883	ug/l	95
8) Diethyl Ether	2.17	74	11105	23.537	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.37	101	24707	24.433	ug/l #	84
10) Methyl Iodide	2.50	142	13076	17.975	ug/l	91
11) Tert butyl alcohol	3.03	59	18327	139.784	ug/l #	94
12) 1,1-Dichloroethene	2.36	96	20845	21.399	ug/l	90
13) Acrolein	2.28	56	4035	102.145	ug/l	89
14) Allyl chloride	2.72	41	40352	22.893	ug/l	98
15) Acrylonitrile	3.13	53	36814	124.173	ug/l	98
16) Acetone	2.43	43	42246	129.483	ug/l	100
17) Carbon Disulfide	2.56	76	43357	15.229	ug/l	98
18) Methyl Acetate	2.76	43	17359	22.585	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	77521	24.444	ug/l	100
20) Methylene Chloride	2.84	84	27681	21.128	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	24078	21.063	ug/l	95
22) Diisopropyl ether	3.84	45	90704	25.246	ug/l	94
23) Vinyl Acetate	3.80	43	285999	123.057	ug/l	97
24) 1,1-Dichloroethane	3.69	63	49827	23.913	ug/l	100
25) 2-Butanone	4.65	43	54275	130.685	ug/l	95
26) 2,2-Dichloropropane	4.56	77	48147	25.027	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	30875	23.041	ug/l	89
28) Bromochloromethane	5.00	49	20401	24.527	ug/l #	79
29) Tetrahydrofuran	5.12	42	31342	125.255	ug/l	98
30) Chloroform	5.20	83	55706	24.915	ug/l	99
31) Cyclohexane	5.56	56	36003	21.514	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	47526	24.406	ug/l	96
36) 1,1-Dichloropropene	5.78	75	35203	22.921	ug/l	96
37) Ethyl Acetate	4.82	43	22088	26.448	ug/l	99
38) Carbon Tetrachloride	5.76	117	40365	24.942	ug/l	91

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	38491	21.594	ug/l	95
40) Benzene	6.13	78	103603	23.498	ug/l	98
41) Methacrylonitrile	5.03	41	13521	27.148	ug/l	97
42) 1,2-Dichloroethane	6.18	62	42183	26.586	ug/l	95
43) Isopropyl Acetate	6.43	43	45068	26.539	ug/l	98
44) Trichloroethene	7.20	130	28645	24.088	ug/l	70
45) 1,2-Dichloropropane	7.50	63	28538	25.053	ug/l	96
46) Dibromomethane	7.65	93	16777	25.229	ug/l #	75
47) Bromodichloromethane	7.89	83	43999	26.031	ug/l #	97
48) Methyl methacrylate	7.76	41	22074	25.853	ug/l	95
49) 1,4-Dioxane	7.73	88	6377	547.865	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	121827	141.045	ug/l	97
52) Toluene	8.78	92	70564	24.598	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	44496	25.427	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	48046	24.690	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	25688	27.020	ug/l	97
56) Ethyl methacrylate	9.17	69	35075	25.757	ug/l	94
57) 1,3-Dichloropropane	9.37	76	42583	25.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	86731	141.271	ug/l	94
59) 2-Hexanone	9.48	43	90840	144.132	ug/l	97
60) Dibromochloromethane	9.57	129	29467	26.007	ug/l	100
61) 1,2-Dibromoethane	9.67	107	23807	25.915	ug/l	98
64) Tetrachloroethene	9.33	164	25676	25.645	ug/l	88
65) Chlorobenzene	10.14	112	82473	26.028	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	31156	26.891	ug/l	97
67) Ethyl Benzene	10.25	91	147972	25.620	ug/l	97
68) m/p-Xylenes	10.35	106	109128	51.282	ug/l	89
69) o-Xylene	10.70	106	54141	26.237	ug/l	89
70) Styrene	10.71	104	95759	26.717	ug/l	96
71) Bromoform	10.85	173	16513	25.949	ug/l #	100
73) Isopropylbenzene	11.01	105	150099	25.097	ug/l	97
74) N-amyl acetate	10.89	43	45641	25.810	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	32517	26.079	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	25293m	25.395	ug/l	
77) Bromobenzene	11.25	156	34702	25.943	ug/l	69
78) n-propylbenzene	11.35	91	182058	25.197	ug/l	94
79) 2-Chlorotoluene	11.42	91	112462	25.691	ug/l	92
80) 1,3,5-Trimethylbenzene	11.50	105	134611	25.683	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	9307	22.092	ug/l	88
82) 4-Chlorotoluene	11.51	91	135735	26.016	ug/l	91
83) tert-Butylbenzene	11.77	119	132328	26.489	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	136949	25.423	ug/l	94
85) sec-Butylbenzene	11.94	105	159876	25.766	ug/l	93
86) p-Isopropyltoluene	12.06	119	142058	25.175	ug/l	94
87) 1,3-Dichlorobenzene	12.02	146	69702	26.005	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	70638	26.357	ug/l	94
89) n-Butylbenzene	12.39	91	140258	25.587	ug/l	95
90) Hexachloroethane	12.59	117	26162	23.220	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	66758	27.655	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6402	24.537	ug/l	65

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ClientSampleId :
VX0908SBS01

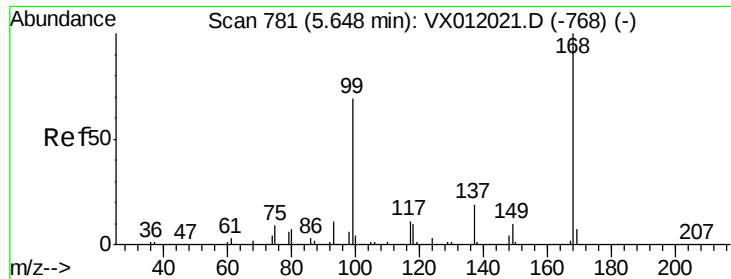
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	42214	24.569	ug/l	96
94) Hexachlorobutadiene	13.78	225	21433	24.747	ug/l	98
95) Naphthalene	13.83	128	90239	24.267	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	37856	25.044	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS01

Tot Ion:168 Resp: 98928

Ion Ratio Lower Upper

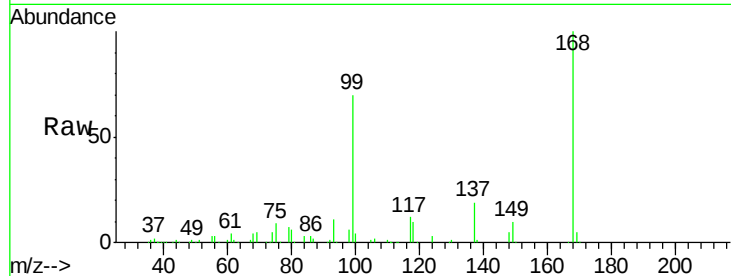
168 100

99 69.8 37.6 56.4#

Manual Integrations
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9/9/2019 8:43:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

30000

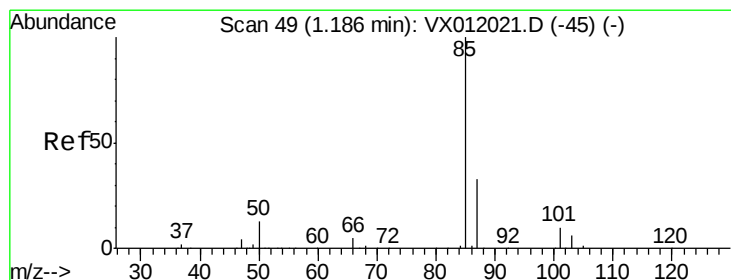
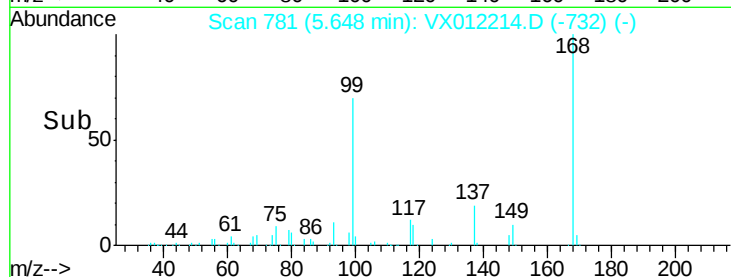
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 24.263 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012214.D

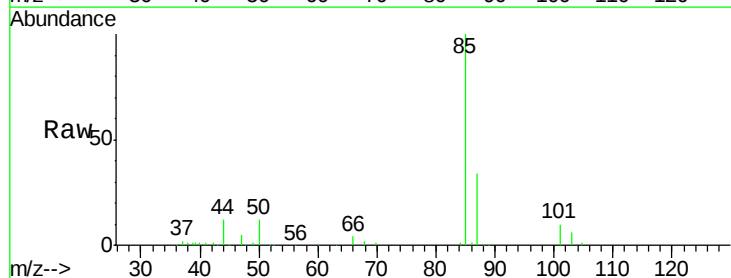
Acq: 08 Sep 2019 11:05

Tgt Ion: 85 Resp: 22135

Ion Ratio Lower Upper

85 100

87 34.1 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

20000

15000

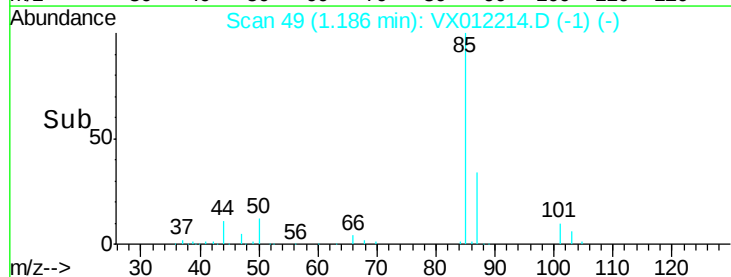
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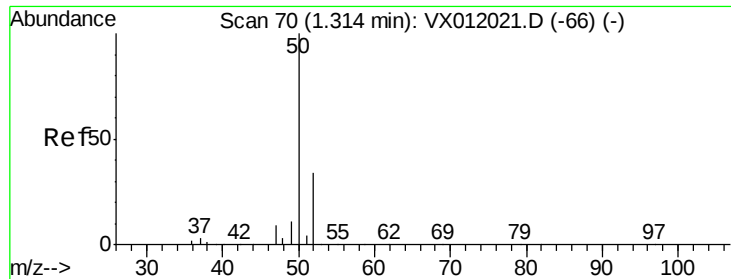
5000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.240 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS01

Tot Ion: 50 Resp: 19844

Ion Ratio Lower Upper

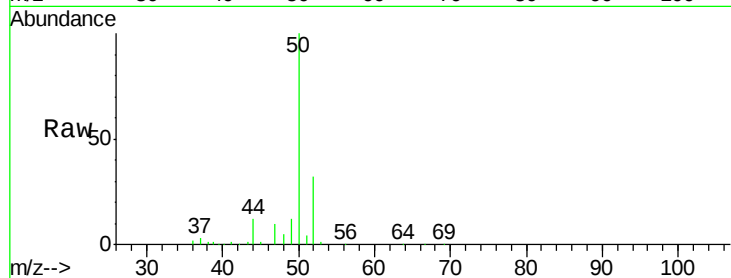
50 100

52 32.0 26.5 39.7

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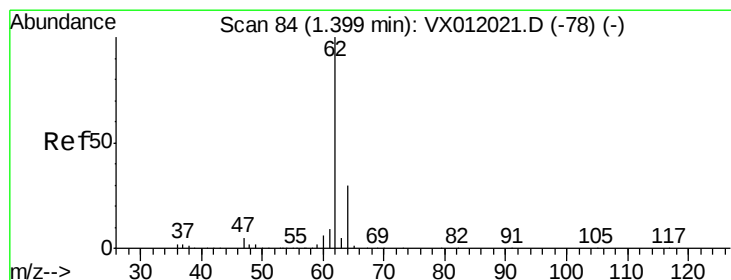
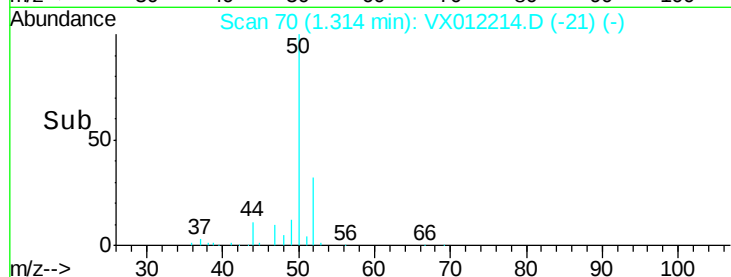
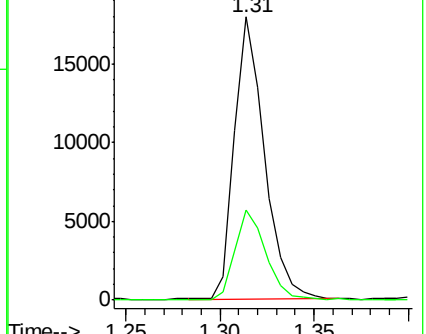
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 22.515 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.01 min

Lab File: VX012214.D

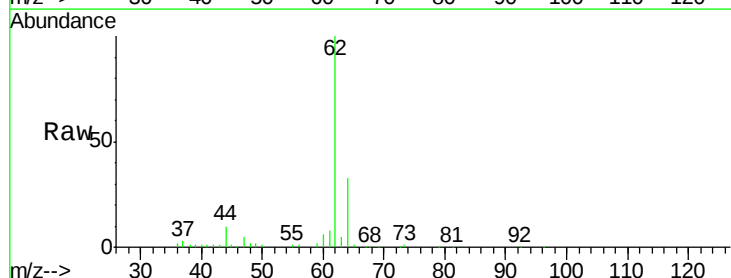
Acq: 08 Sep 2019 11:05

Tgt Ion: 62 Resp: 19791

Ion Ratio Lower Upper

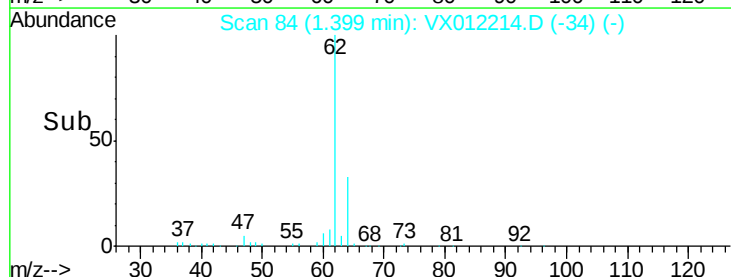
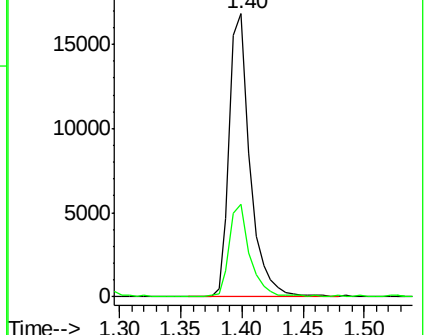
62 100

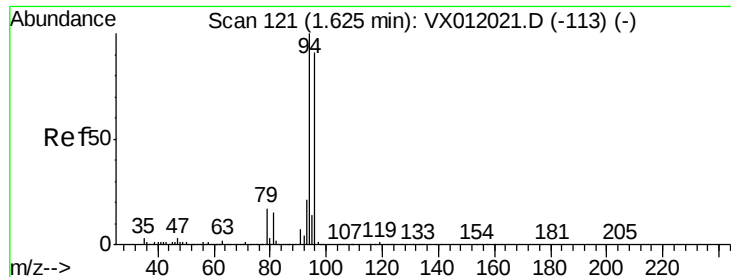
64 32.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.091 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

ClientSampled :

VX0908SBS01

Tot Ion: 94 Resp: 9197

Ion Ratio Lower Upper

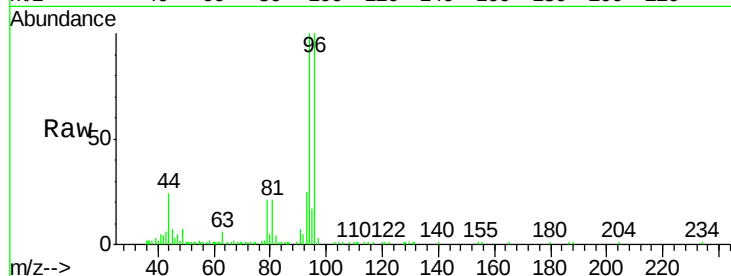
94 100

96 99.8 76.3 114.5

Manual Integrations
APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

10000

8000

6000

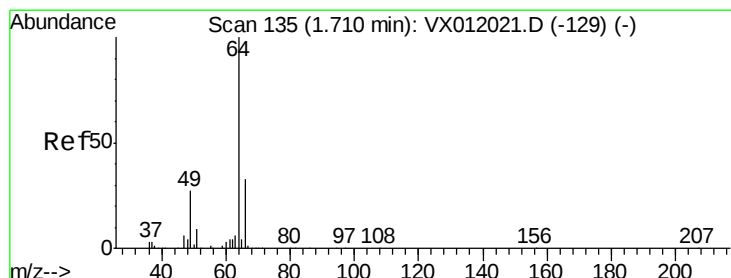
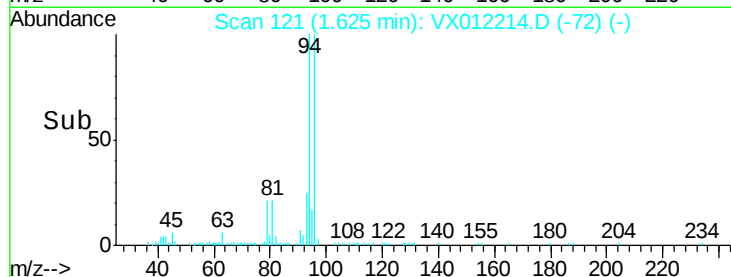
4000

2000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 23.836 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012214.D

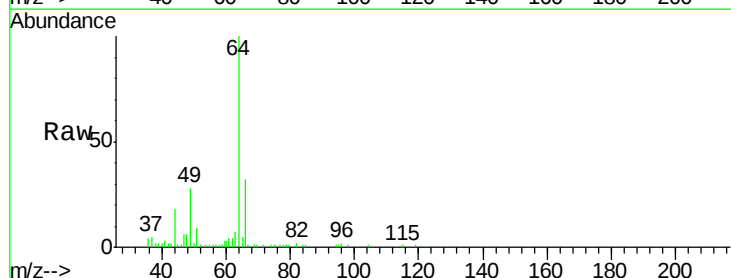
Acq: 08 Sep 2019 11:05

Tgt Ion: 64 Resp: 13025

Ion Ratio Lower Upper

64 100

66 32.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

10000

8000

6000

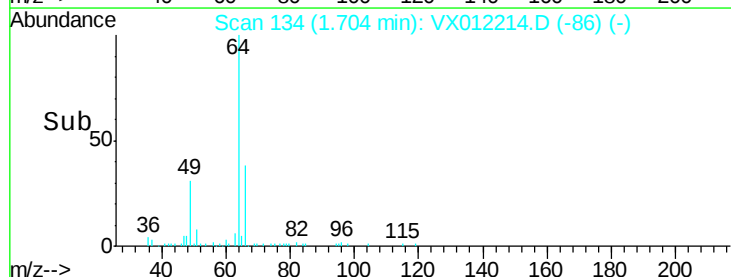
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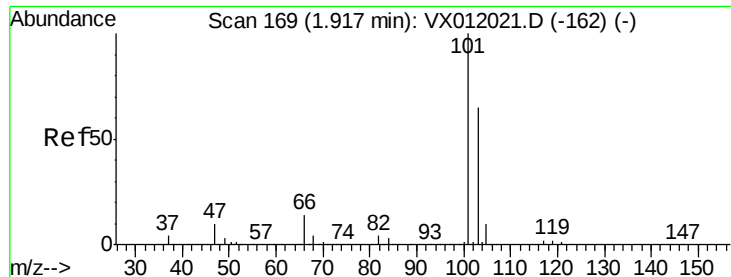
2000

0

1.70 1.80

Time-->





#7

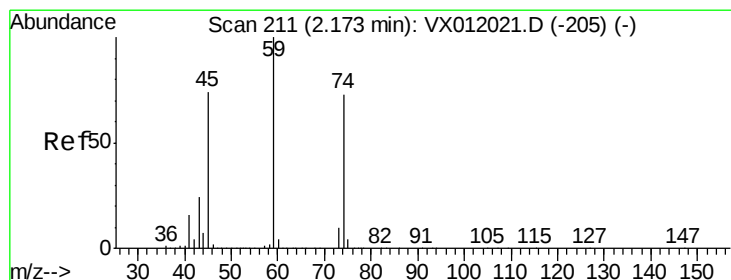
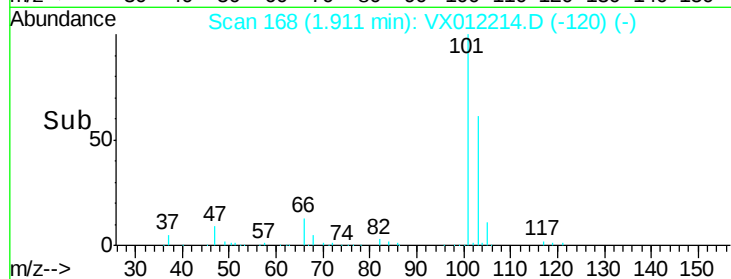
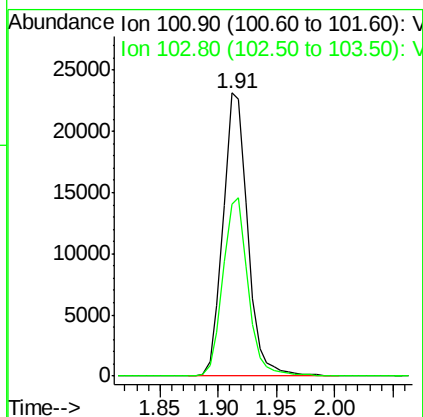
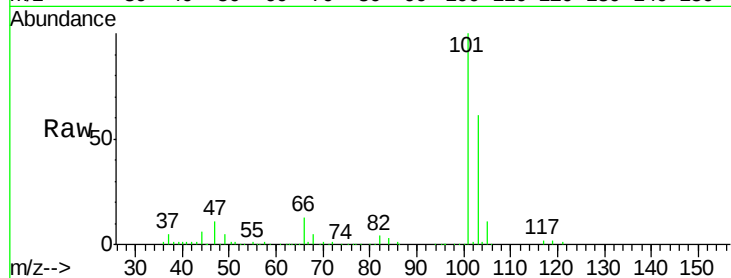
Trichlorofluoromethane
 Concen: 24.883 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
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 ClientSampleId :
 VX0908SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	51.6	77.4

Manual Integrations
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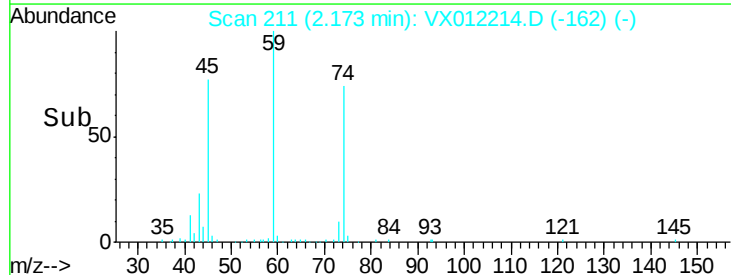
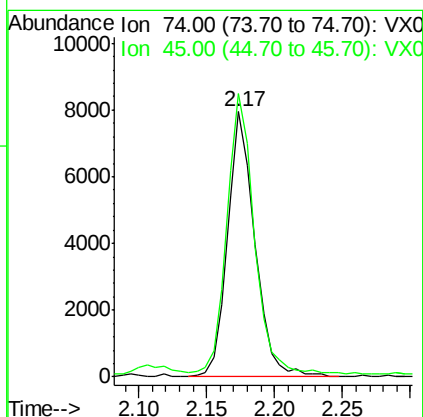
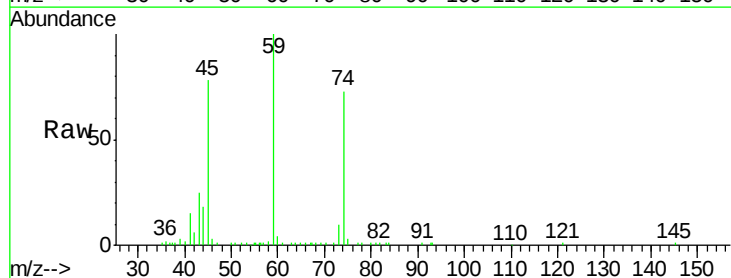
MMDadoda
 9/9/2019 8:43:13 AM

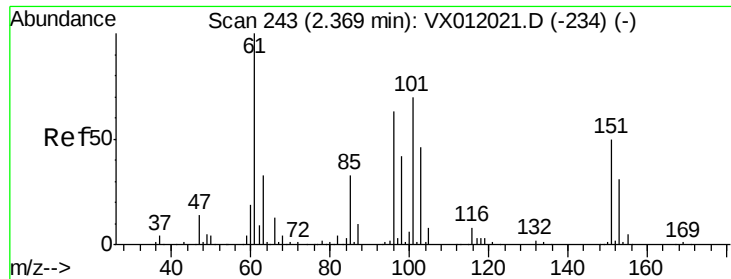


#8

Diethyl Ether
 Concen: 23.537 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.0	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.433 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

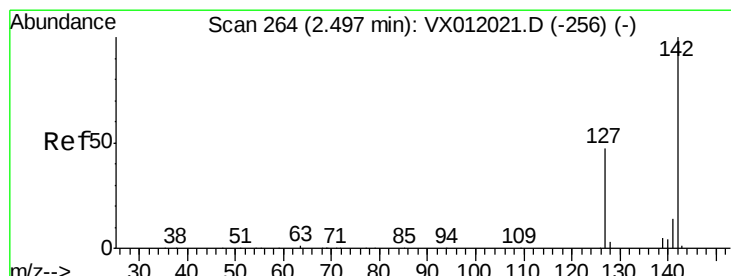
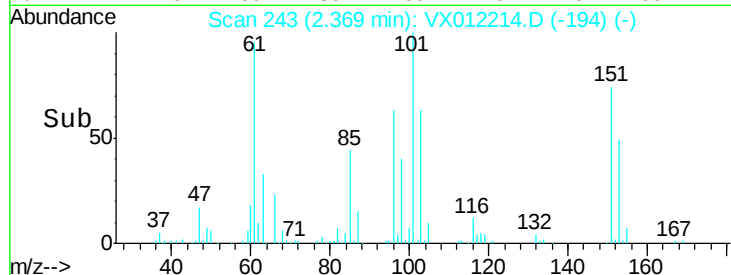
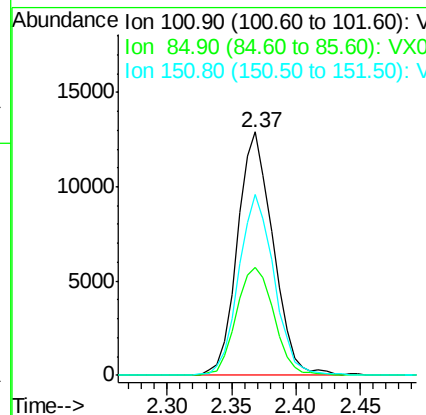
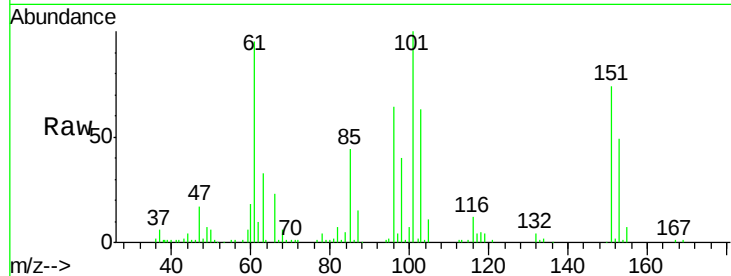
ClientSampleId :

VX0908SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.8	34.5	51.7
151	74.1	75.0	112.4#

Manual Integrations
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#10

Methyl Iodide

Concen: 17.975 ug/l

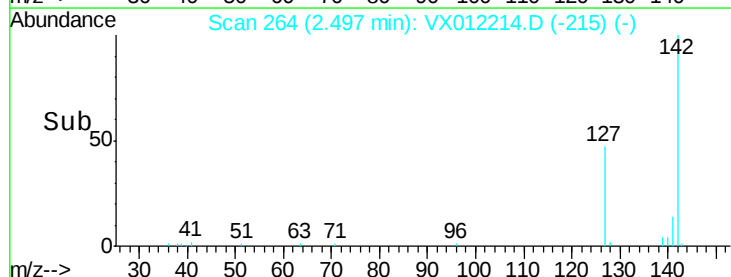
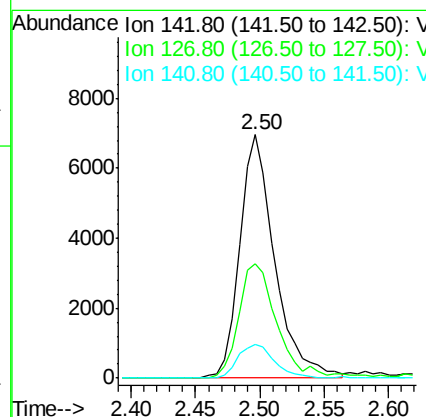
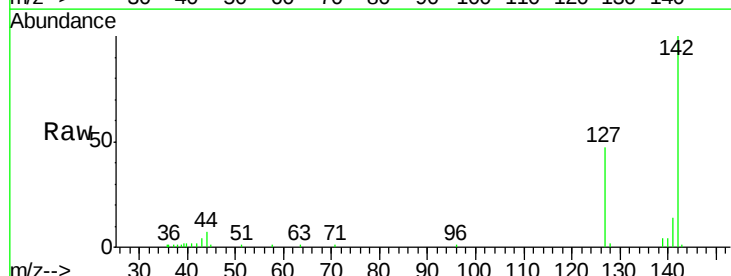
RT: 2.50 min Scan# 264

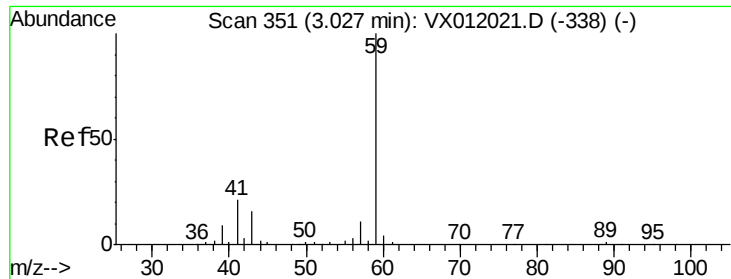
Delta R.T. 0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
142	100		
127	52.3	35.4	53.2
141	14.5	11.4	17.2





#11

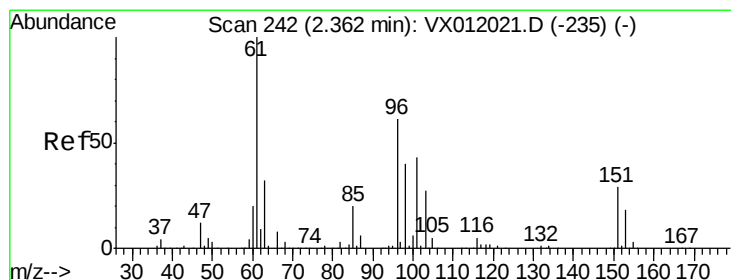
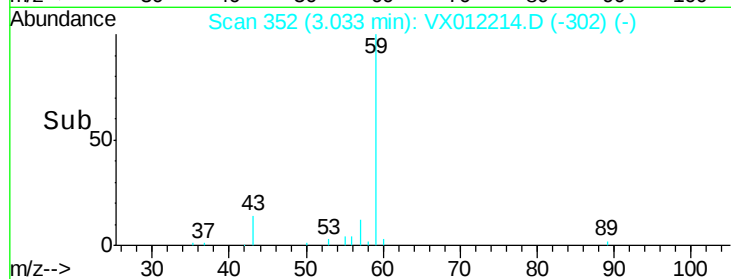
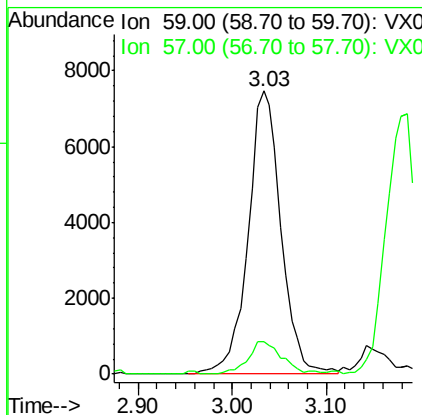
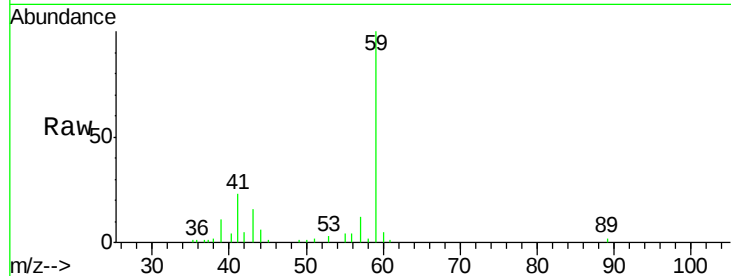
Tert butyl alcohol
 Concen: 139.784 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.2	7.9	11.9#

Manual Integrations
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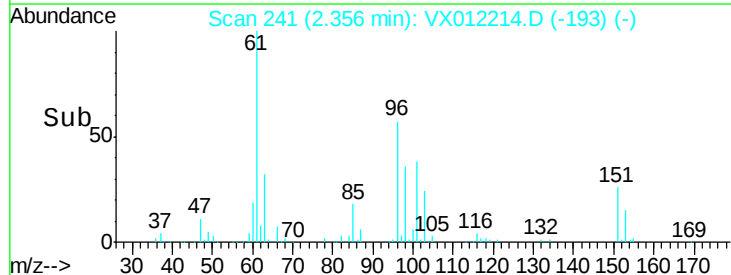
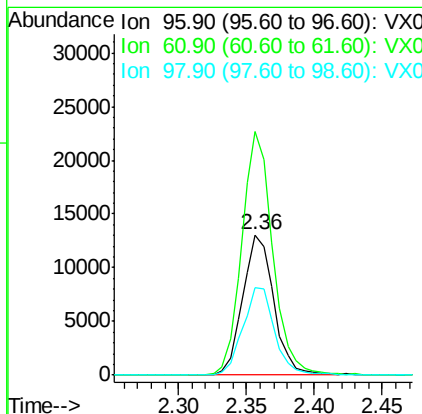
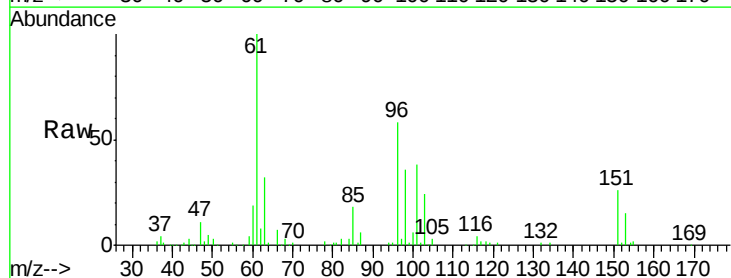
MMDadoda
 9/9/2019 8:43:13 AM

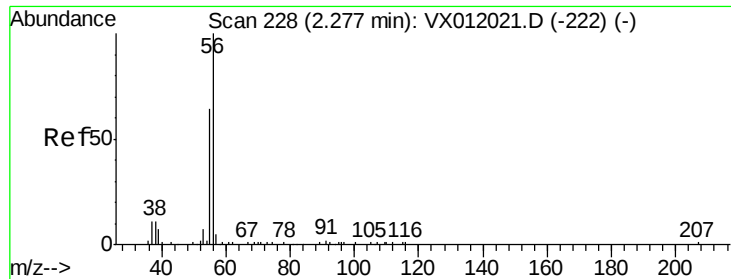


#12

1,1-Dichloroethene
 Concen: 21.399 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.6	124.1	186.1
98	62.6	50.2	75.2





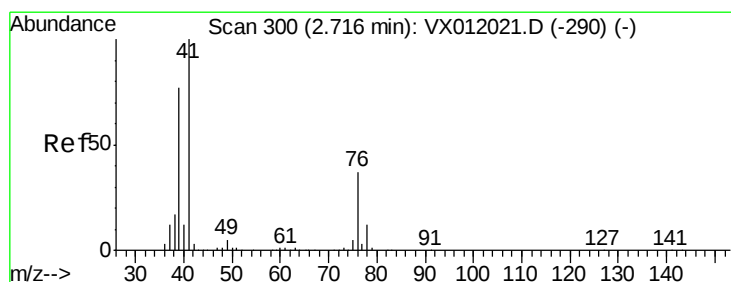
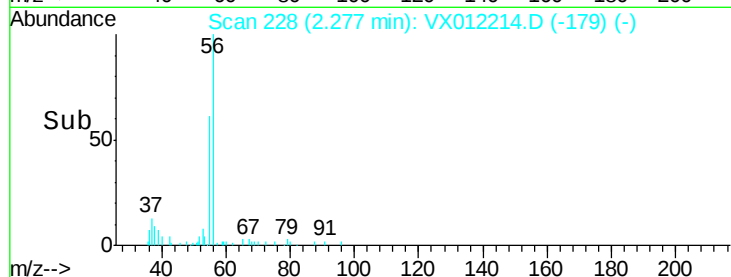
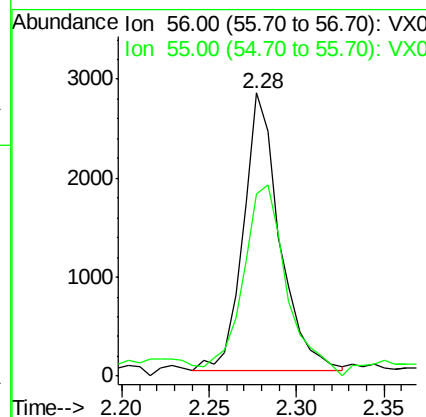
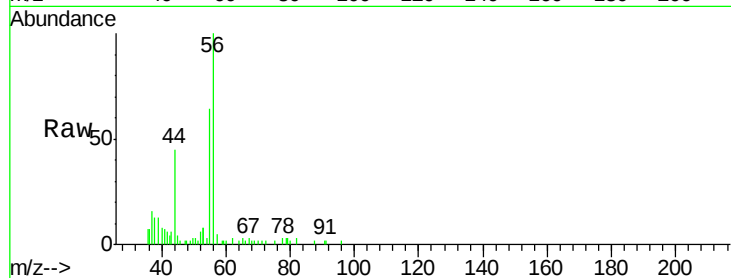
#13
 Acrolein
 Concen: 102.145 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. 0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion	56	Resp	4035
Ion Ratio	100	Lower	Upper
56	100		
55	83.4	59.2	88.8

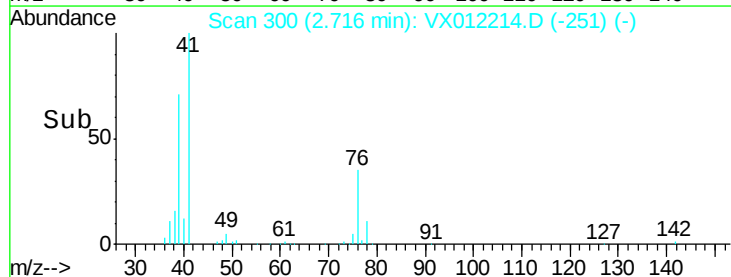
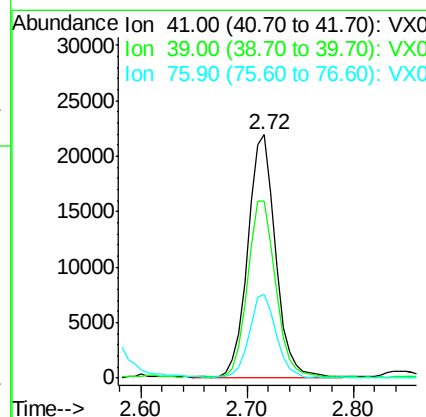
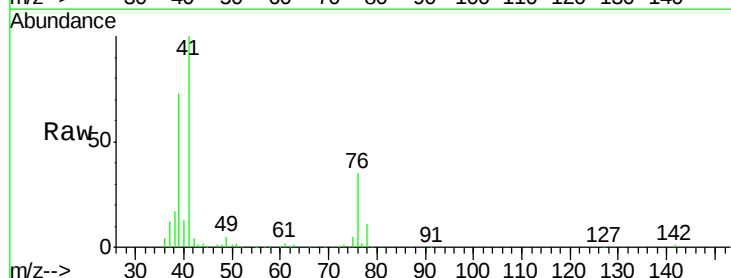
Manual Integrations
 APPROVED

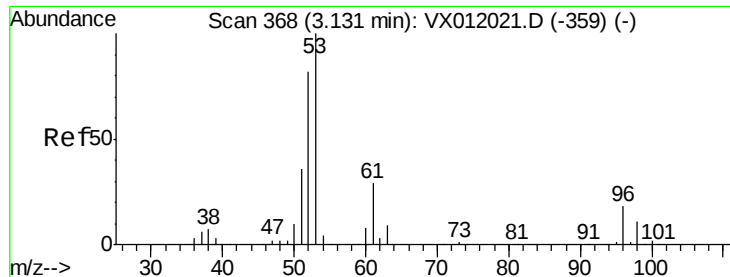
MMDadoda
 9/9/2019 8:43:13 AM



#14
 Allyl chloride
 Concen: 22.893 ug/l
 RT: 2.72 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion	41	Resp	40352
Ion Ratio	100	Lower	Upper
41	100		
39	72.8	57.9	86.9
76	32.9	28.5	42.7





#15

Acrylonitrile

Concen: 124.173 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.01 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

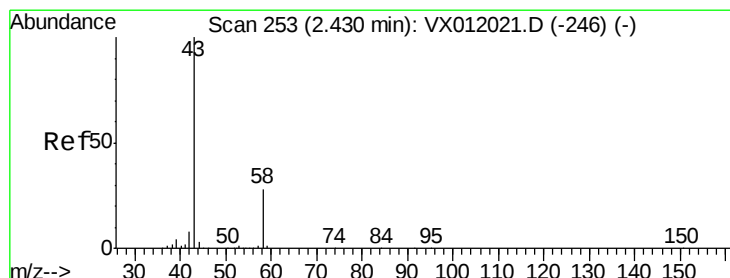
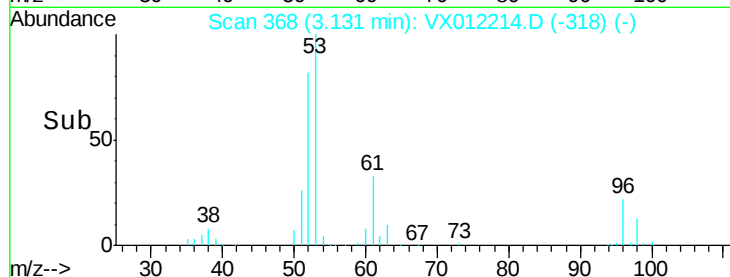
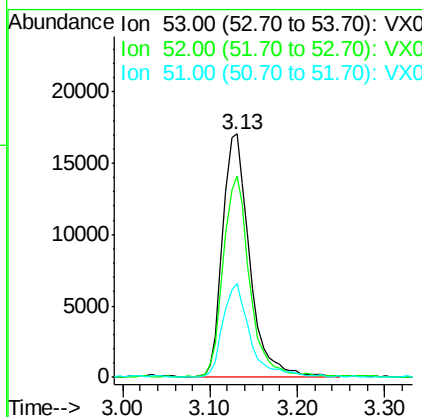
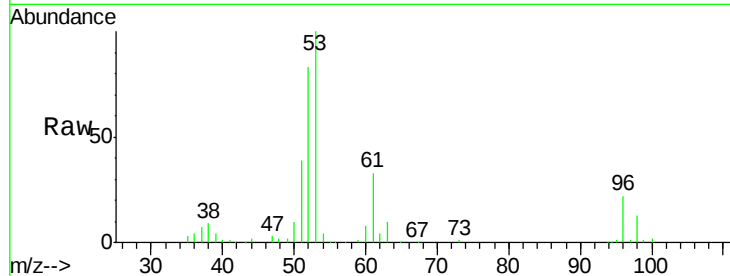
ClientSampleId :

VX0908SBS01

Tot Ion:	53	Resp:	36814
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.6	98.4
51	38.6	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 129.483 ug/l

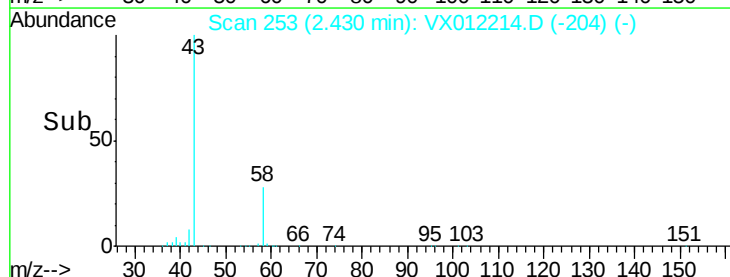
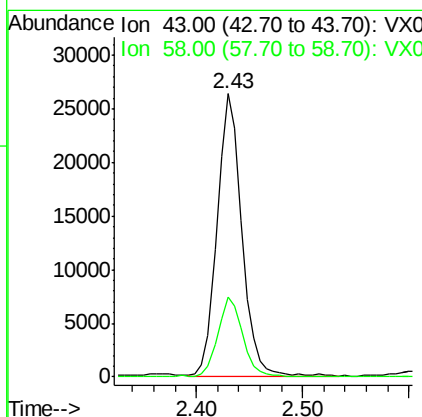
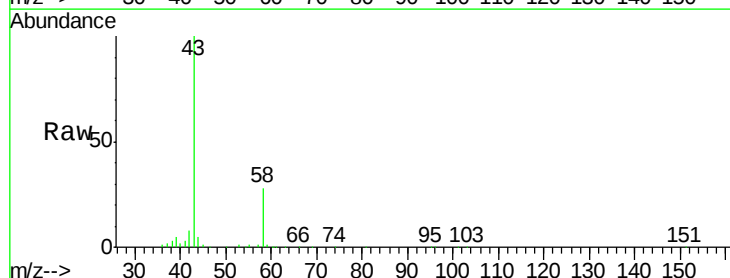
RT: 2.43 min Scan# 253

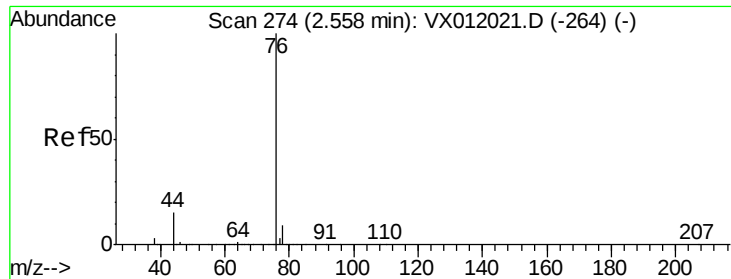
Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion:	43	Resp:	42246
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.8	34.2





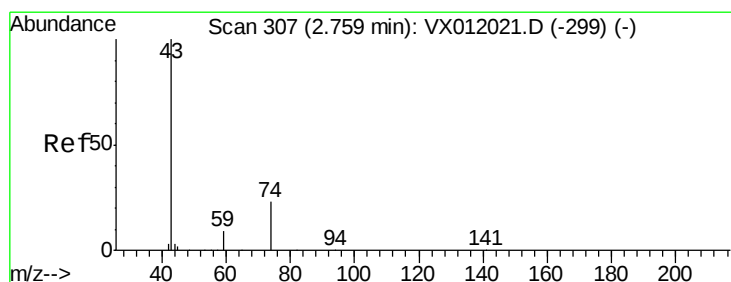
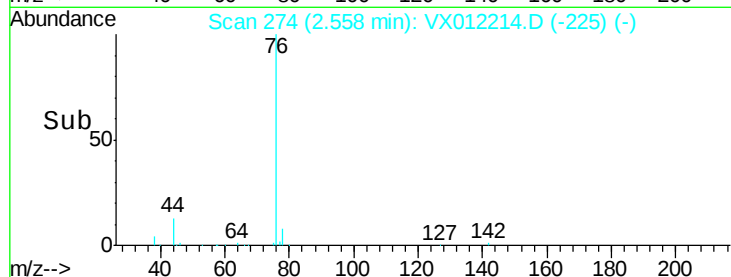
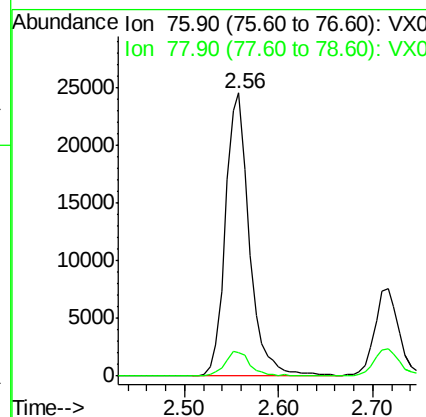
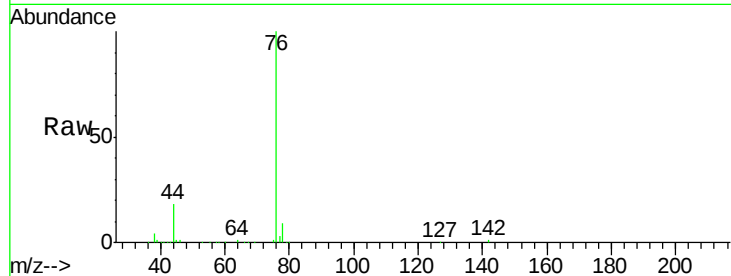
#17
Carbon Disulfide
Concen: 15.229 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

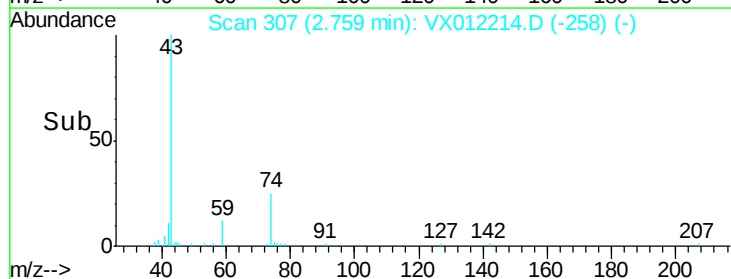
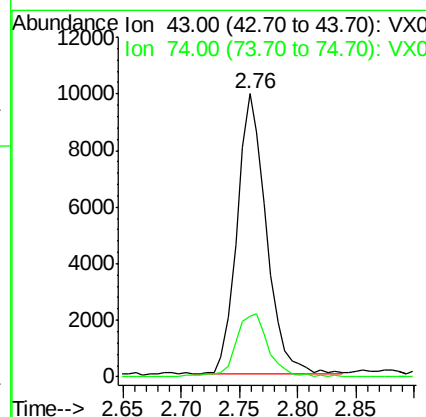
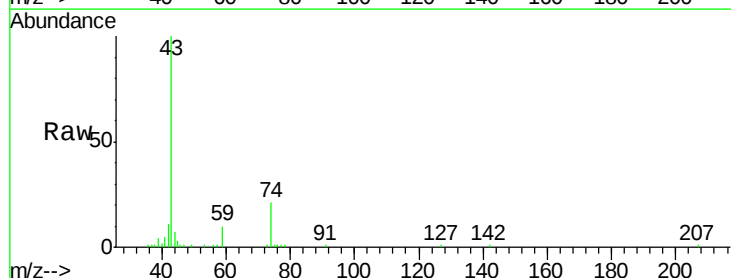
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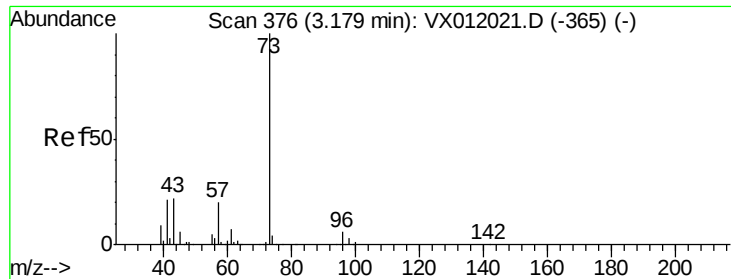
MMDadoda
9/9/2019 8:43:13 AM



#18
Methyl Acetate
Concen: 22.585 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.5	29.3





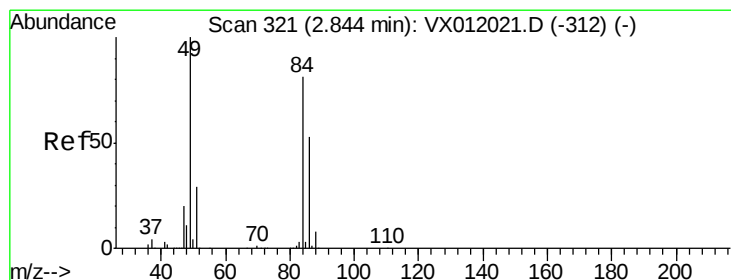
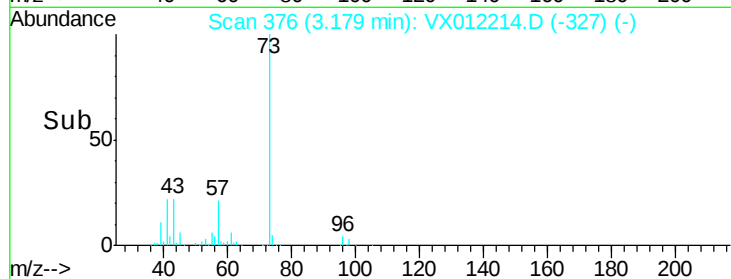
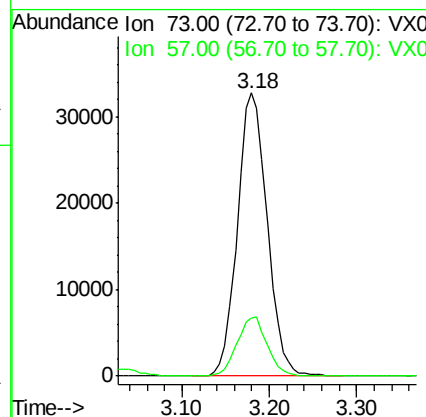
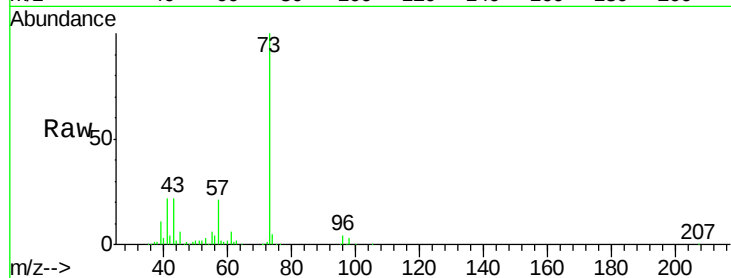
#19
Methyl tert-butyl Ether
Concen: 24.444 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	16.6	25.0

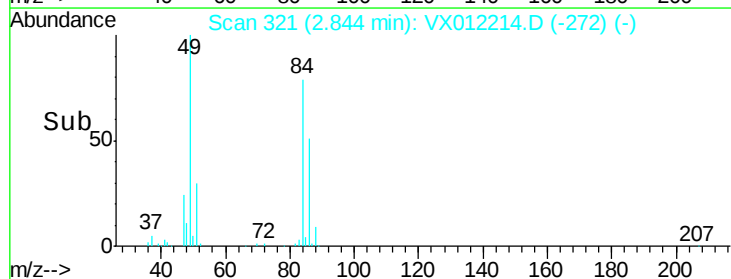
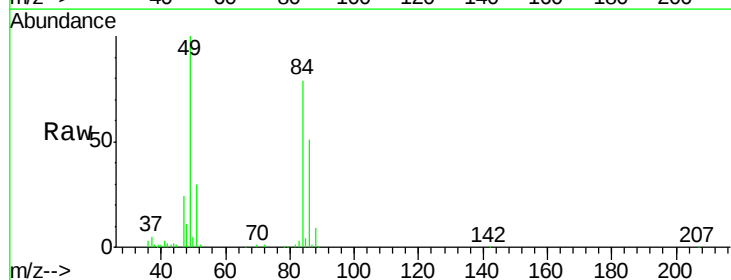
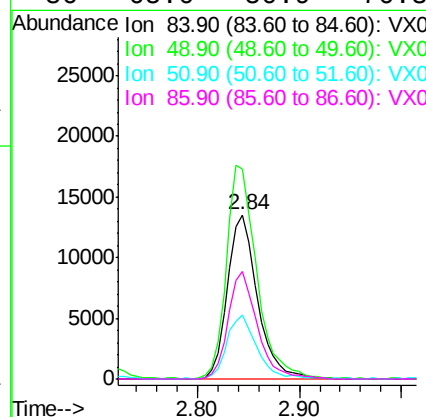
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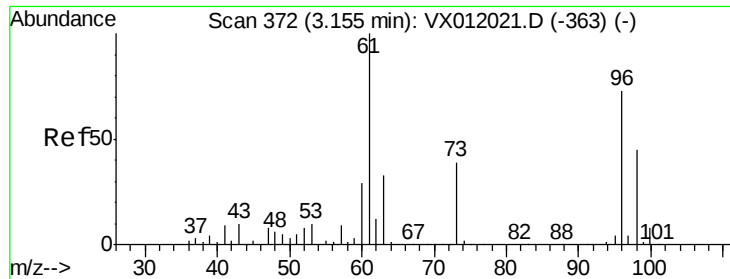
MMDadoda
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#20
Methylene Chloride
Concen: 21.128 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.3	95.8	143.8
51	38.8	28.6	43.0
86	65.0	50.9	76.3





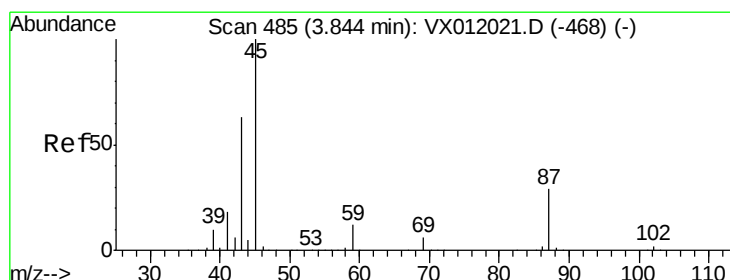
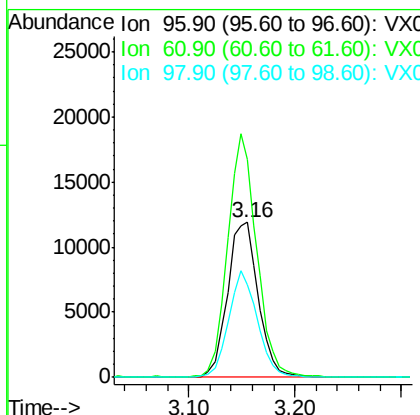
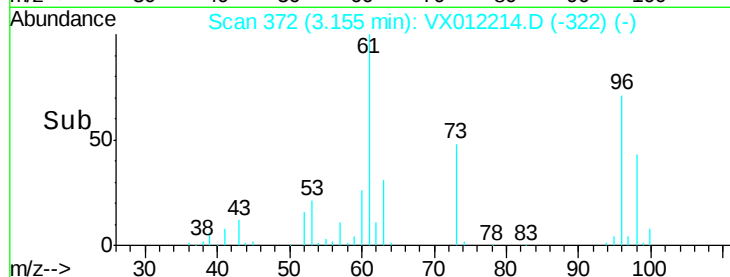
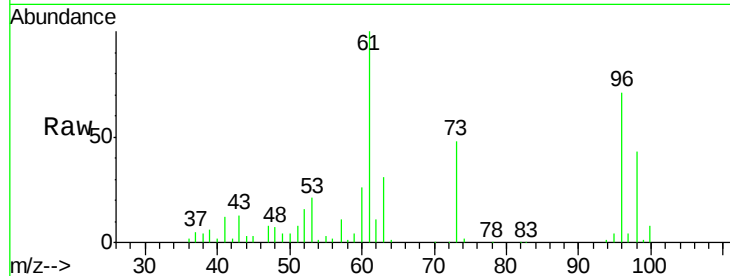
#21
trans-1,2-Dichloroethene
Concen: 21.063 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.01 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	107.0	160.6
98	59.7	49.8	74.6

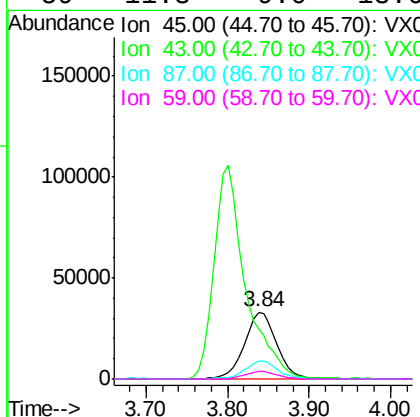
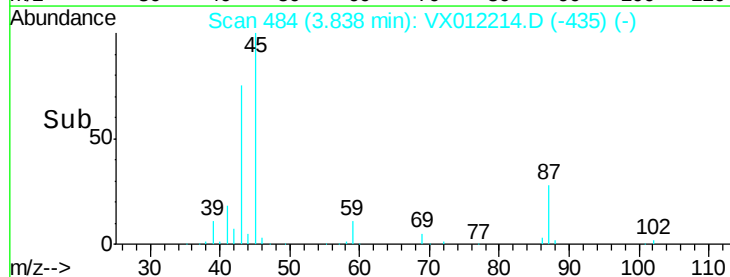
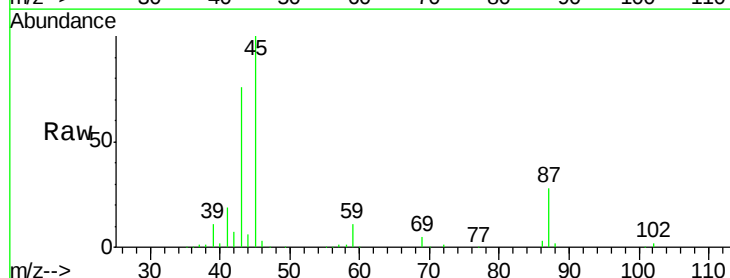
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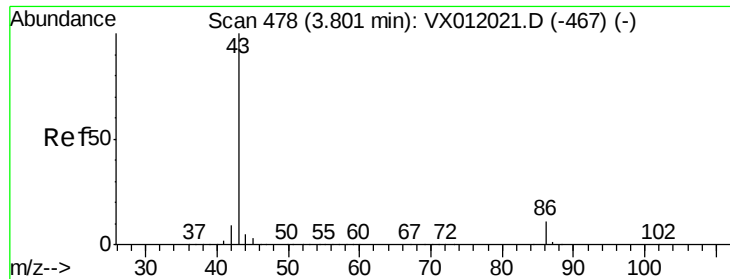
MMDadoda
9/9/2019 8:43:13 AM



#22
Diisopropyl ether
Concen: 25.246 ug/l
RT: 3.84 min Scan# 484
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.9	54.2	81.4
87	27.8	23.4	35.0
59	11.3	9.0	13.6





#23

Vinyl Acetate

Concen: 123.057 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS01

Tot Ion: 43 Resp: 285999

Ion Ratio Lower Upper

43 100

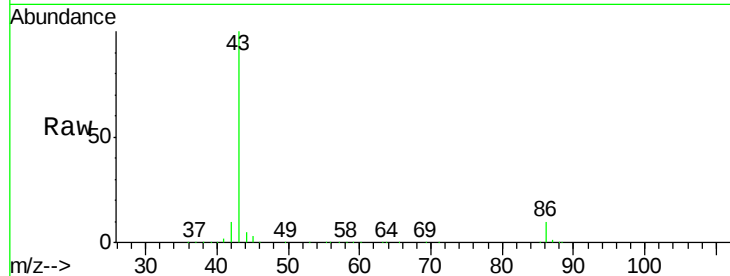
86 10.2 9.0 13.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

120000

100000

80000

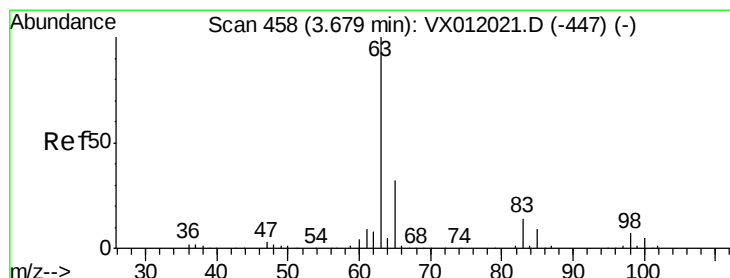
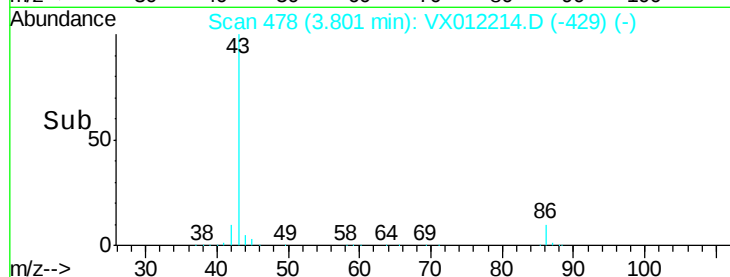
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.913 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.01 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

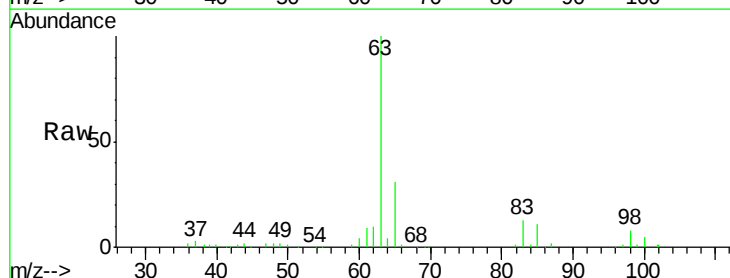
Tgt Ion: 63 Resp: 49827

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.7

100 4.8 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.69

25000

20000

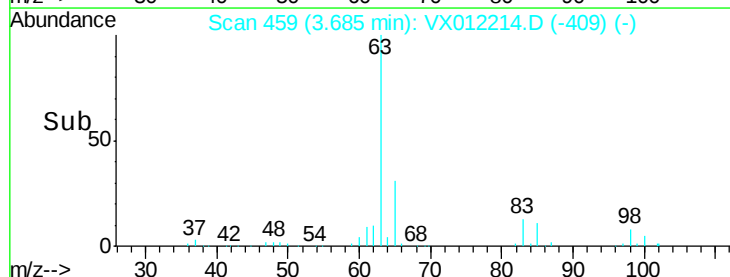
15000

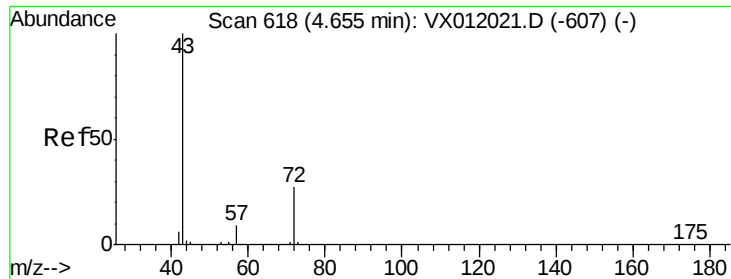
10000

5000

0

Time-->





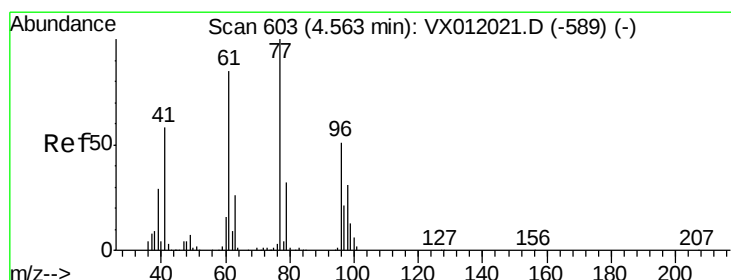
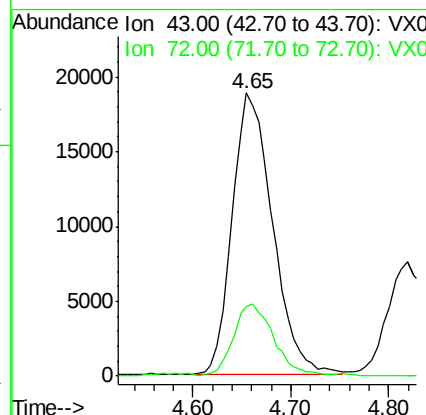
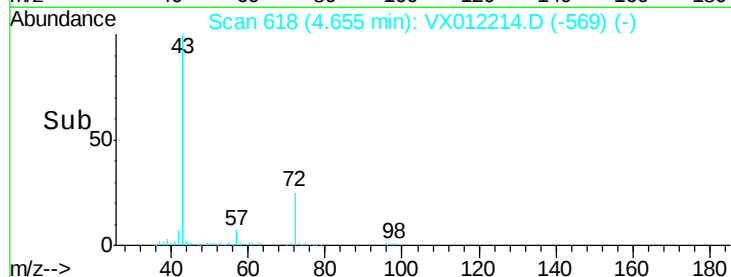
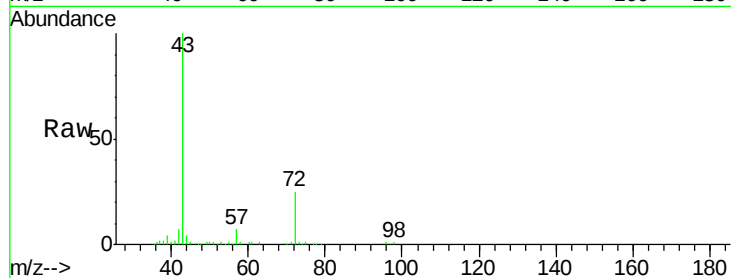
#25
2-Butanone
Concen: 130.685 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion: 43 Resp: 54275
Ion Ratio Lower Upper
43 100
72 24.2 21.3 31.9

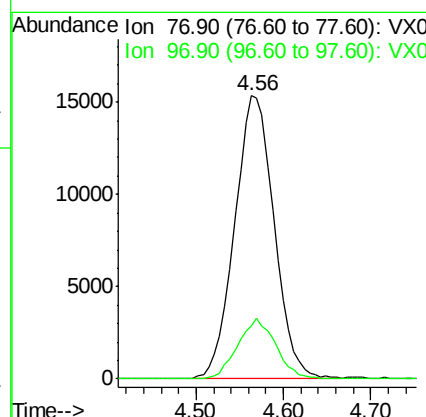
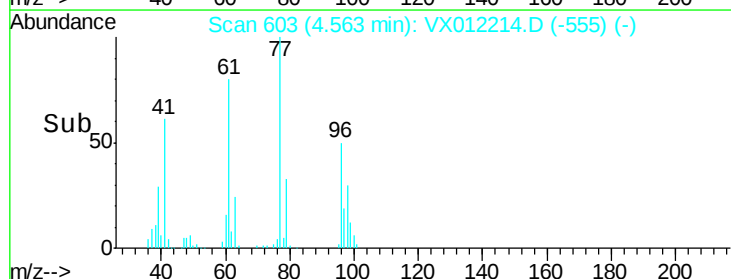
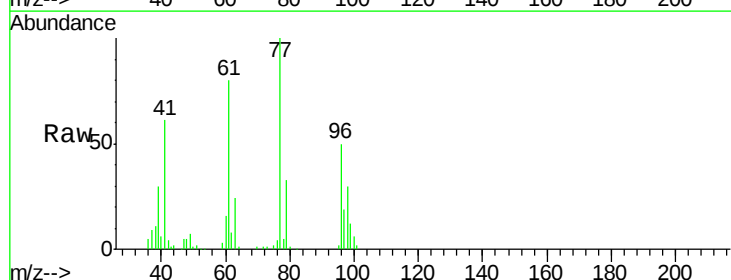
Manual Integrations
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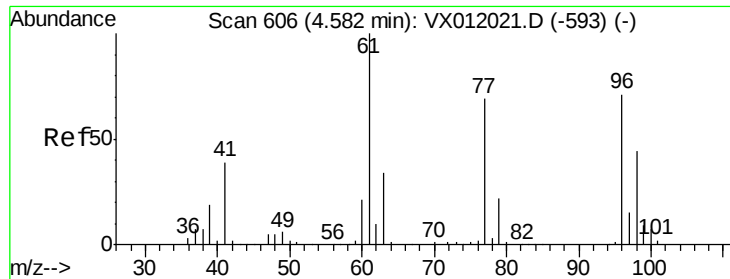
MMDadoda
9/9/2019 8:43:13 AM



#26
2,2-Dichloropropane
Concen: 25.027 ug/l
RT: 4.56 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion: 77 Resp: 48147
Ion Ratio Lower Upper
77 100
97 20.6 11.5 34.5





#27

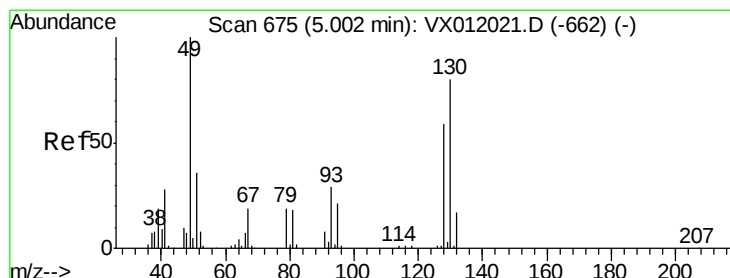
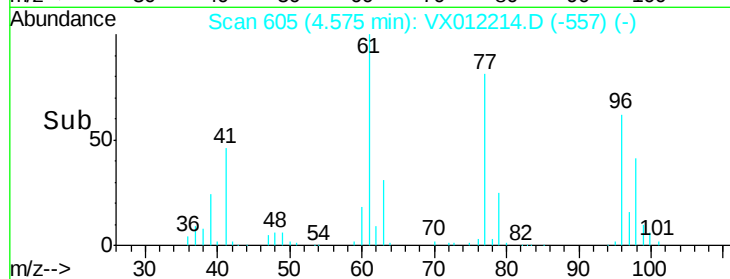
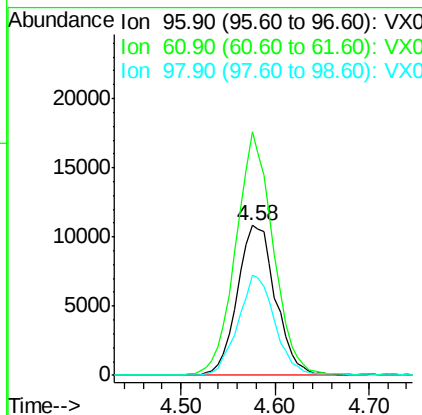
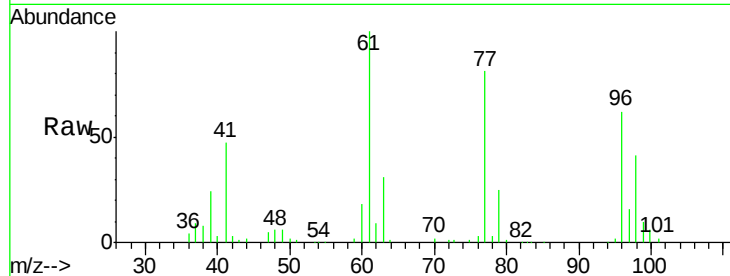
cis-1,2-Dichloroethene
Concen: 23.041 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	30875		
61	158.0	0.0	277.0	
98	64.5	0.0	128.4	

Manual Integrations
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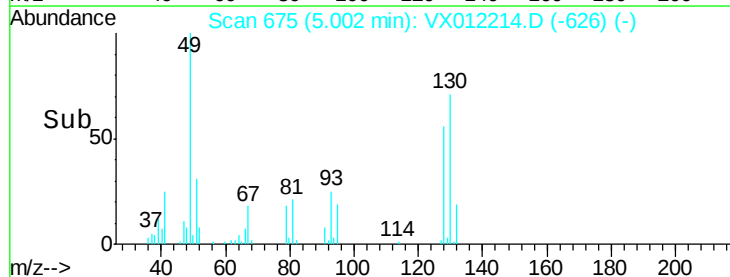
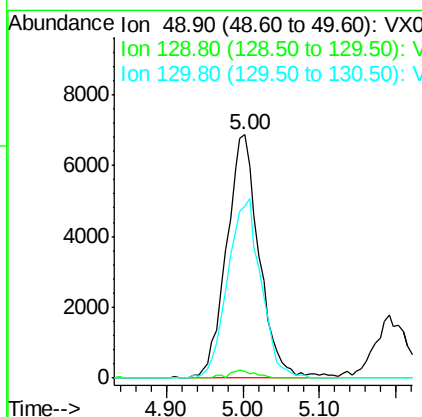
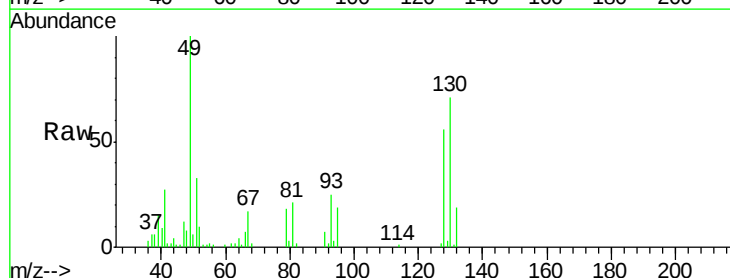
MMDadoda
9/9/2019 8:43:13 AM

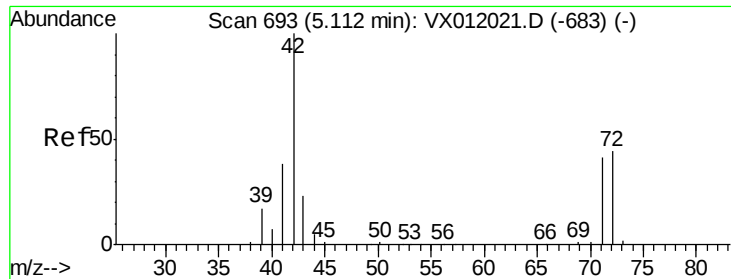


#28

Bromochloromethane
Concen: 24.527 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	20401		
129	2.5	0.0	5.6	
130	74.9	76.7	115.1#	





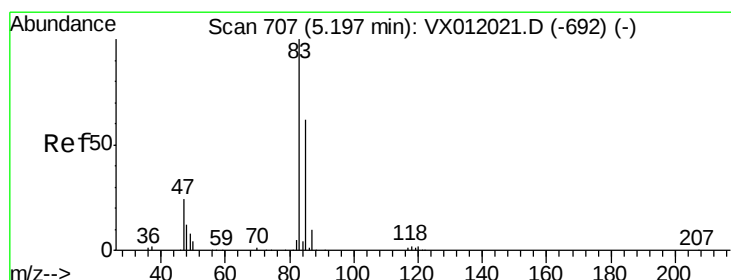
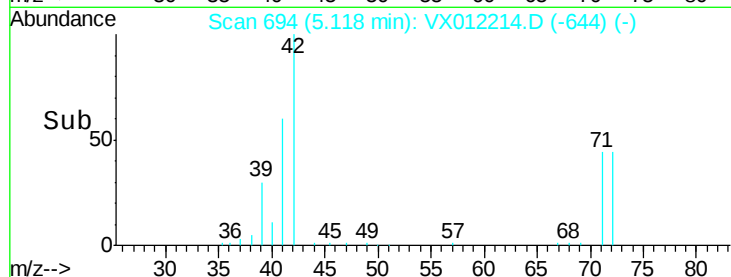
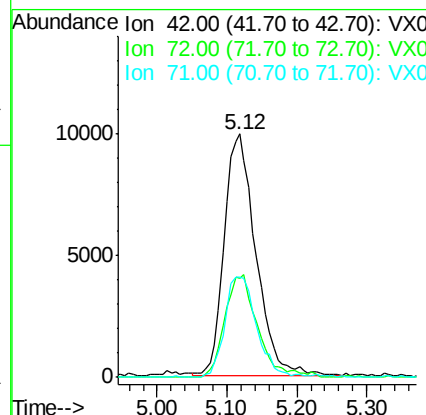
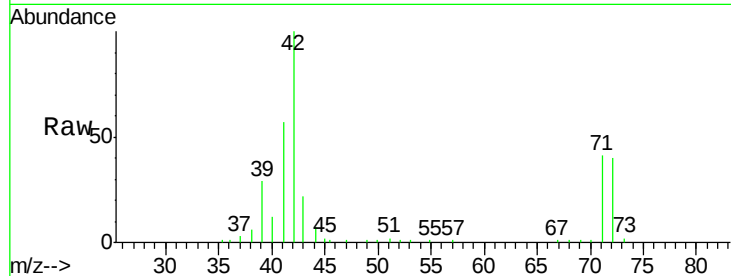
#29
Tetrahydrofuran
Concen: 125.255 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	37.0	55.4
71	42.0	33.8	50.8

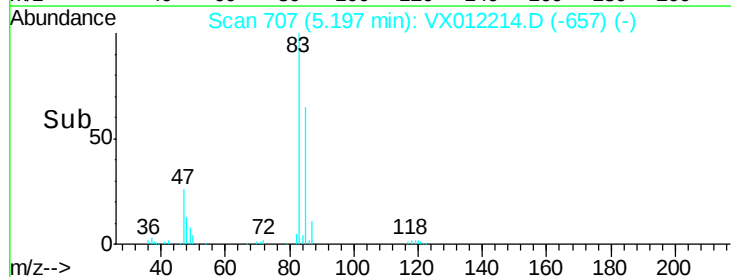
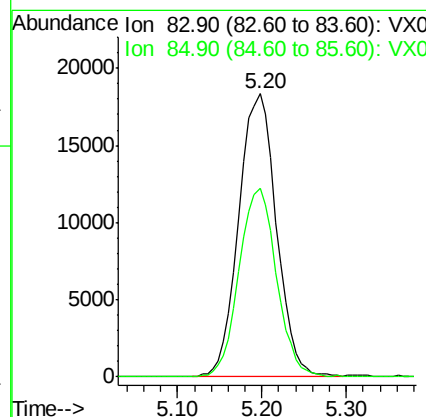
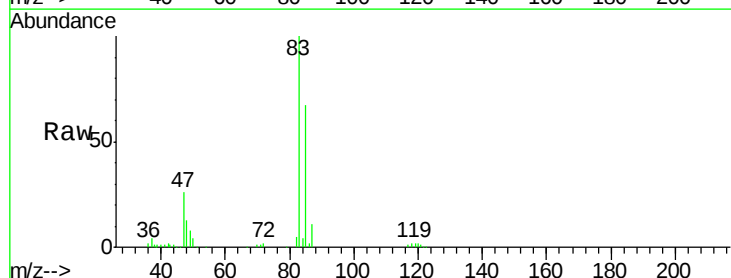
Manual Integrations
APPROVED

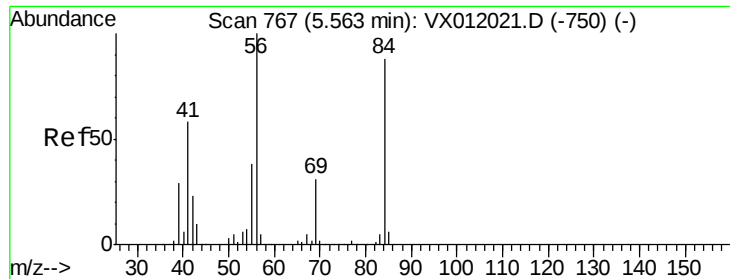
MMDadoda
9/9/2019 8:43:13 AM



#30
Chloroform
Concen: 24.915 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	78.8





#31

Cyclohexane

Concen: 21.514 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

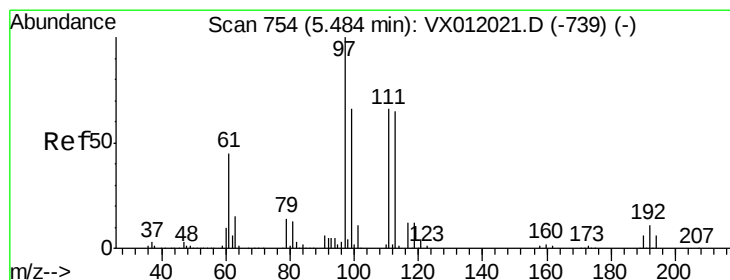
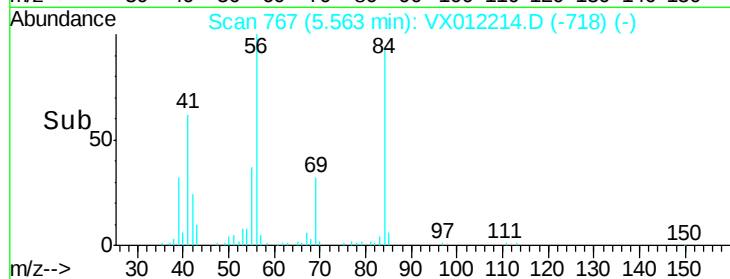
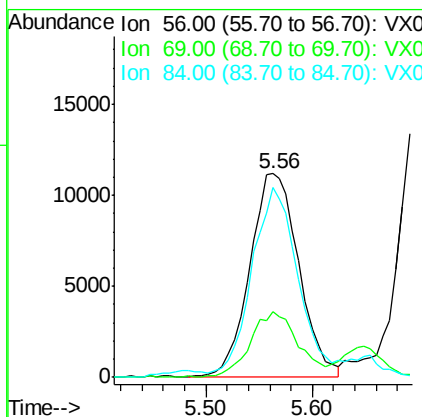
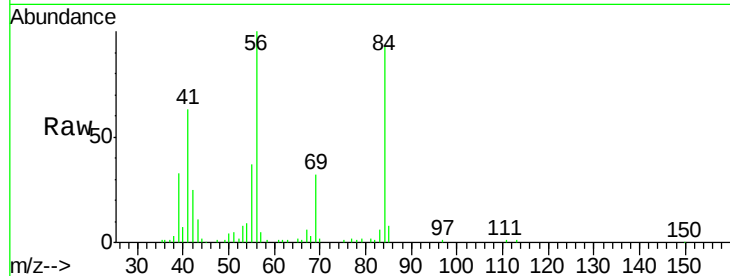
ClientSampleId :

VX0908SBS01

Tot Ion:	56	Resp:	36003
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.7	38.5
84	89.9	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 24.406 ug/l

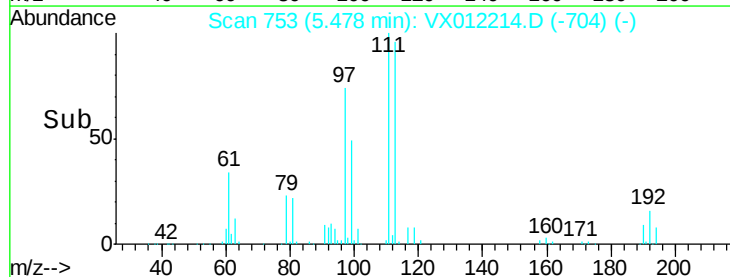
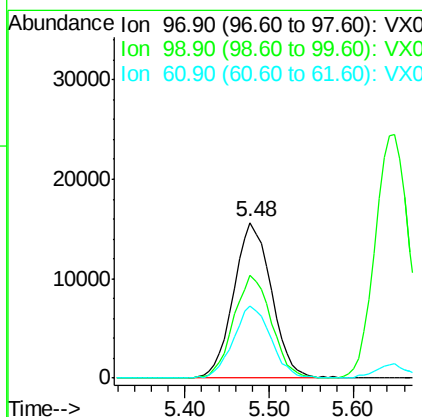
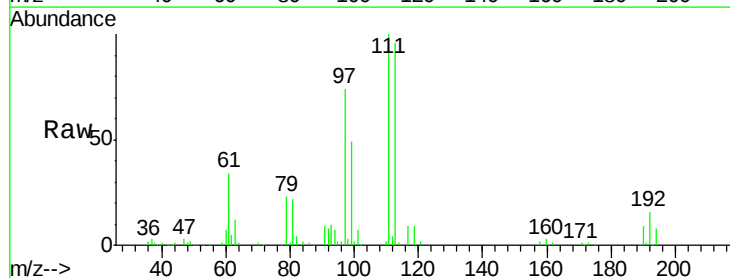
RT: 5.48 min Scan# 753

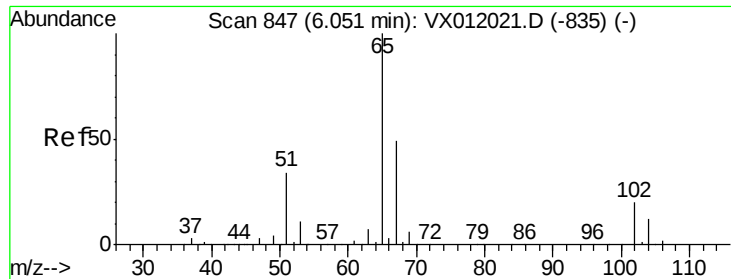
Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion:	97	Resp:	47526
Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.1	78.1
61	46.3	32.8	49.2





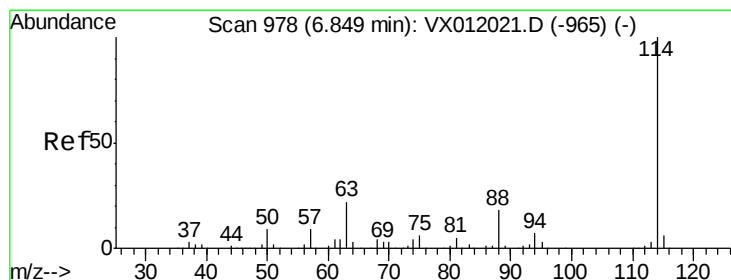
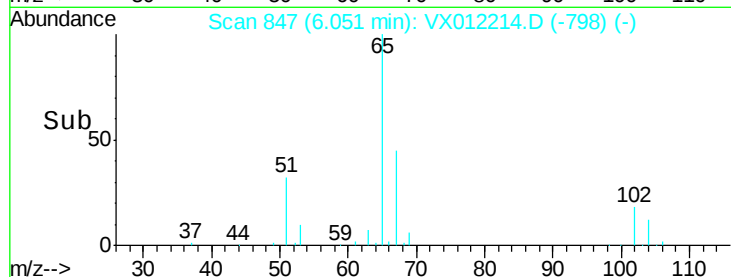
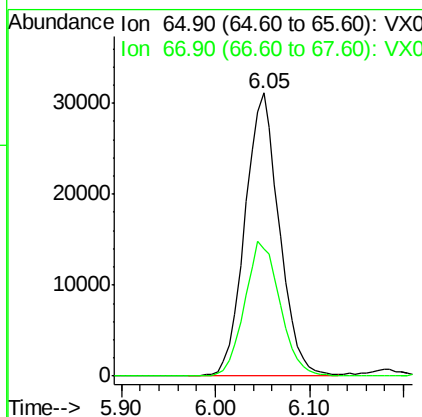
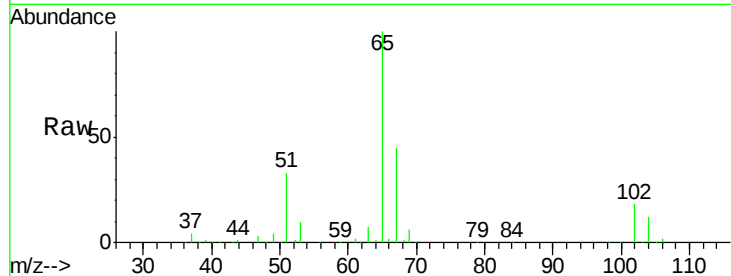
#33
 1,2-Dichloroethane-d4
 Concen: 58.290 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	102.0

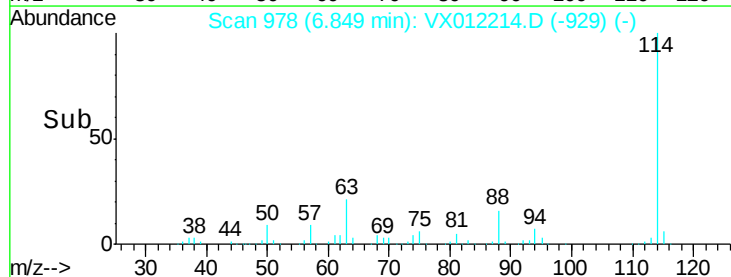
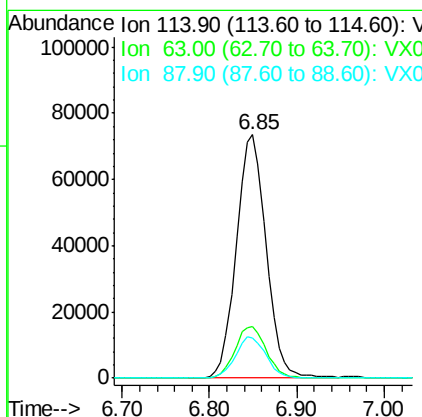
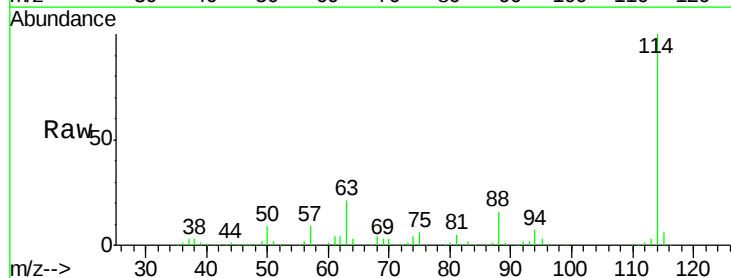
Manual Integrations
 APPROVED

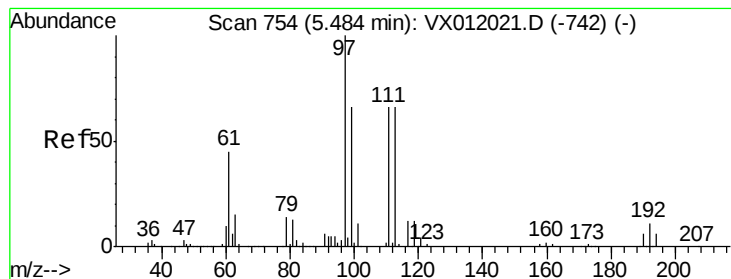
MMDadoda
 9/9/2019 8:43:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	37.4
88	16.5	0.0	29.6





#35

Dibromofluoromethane

Concen: 58.238 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

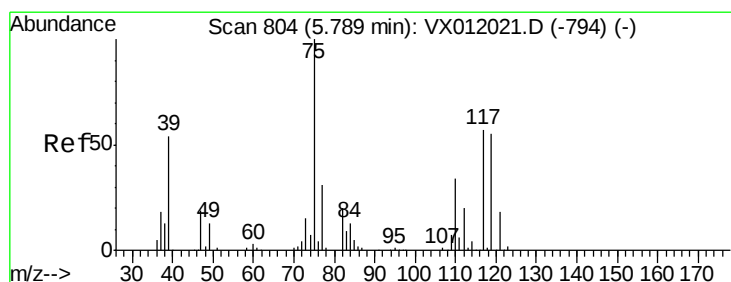
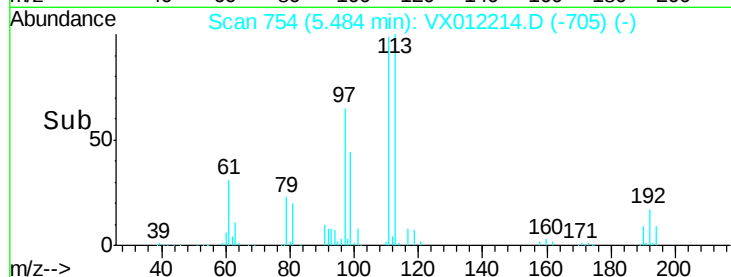
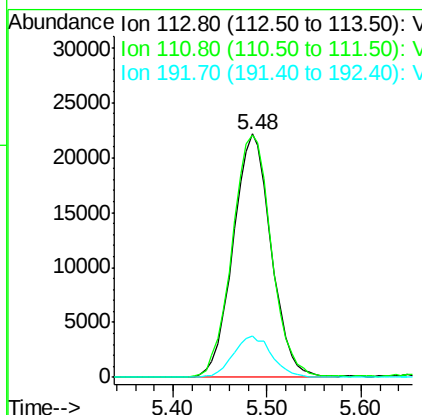
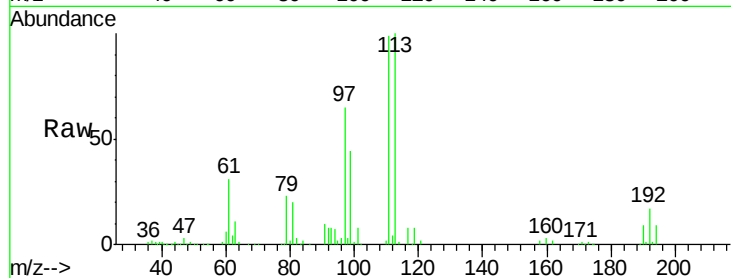
ClientSampleId :

VX0908SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.7	122.5
192	17.2	22.5	33.7

Manual Integrations
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9/9/2019 8:43:13 AM



#36

1,1-Dichloropropene

Concen: 22.921 ug/l

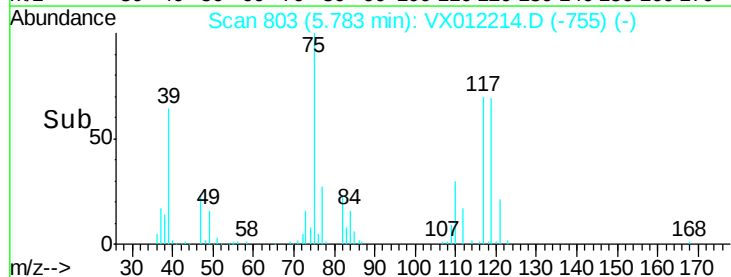
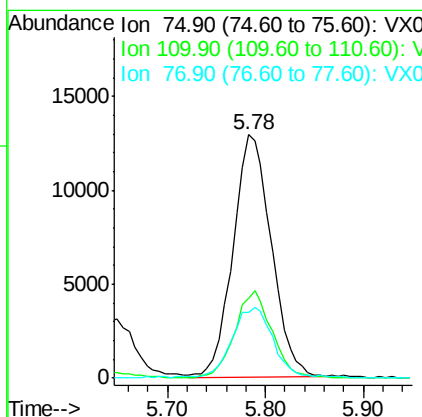
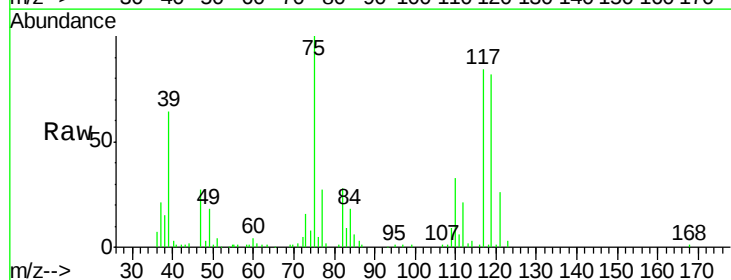
RT: 5.78 min Scan# 803

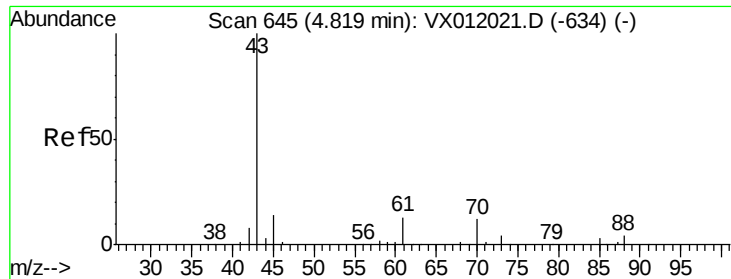
Delta R.T. -0.01 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	19.5	58.5
77	31.6	24.6	37.0





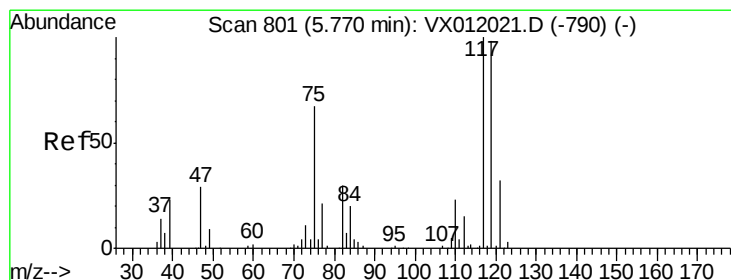
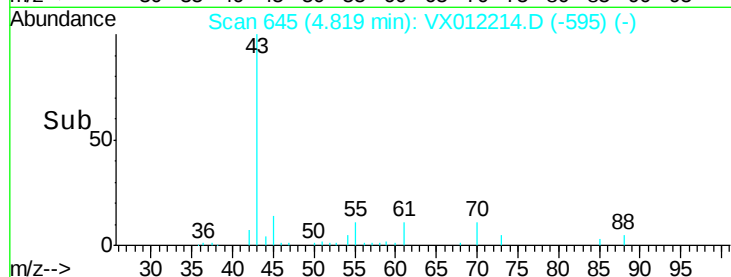
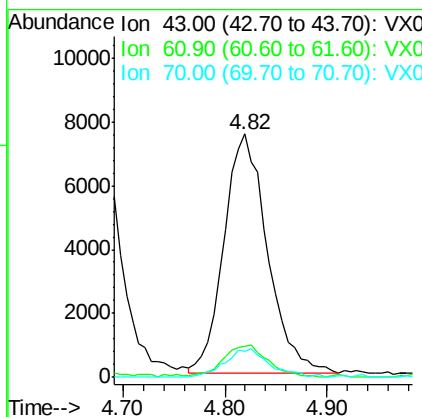
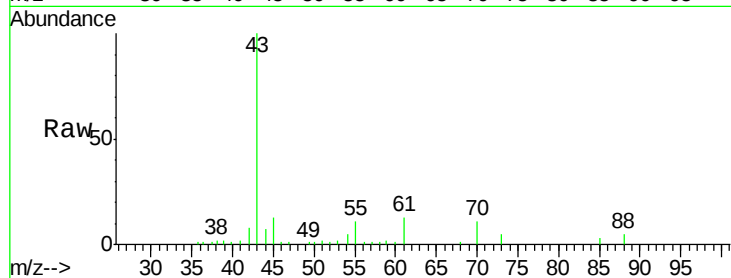
#37
Ethyl Acetate
Concen: 26.448 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.9	16.3
70	11.9	9.4	14.0

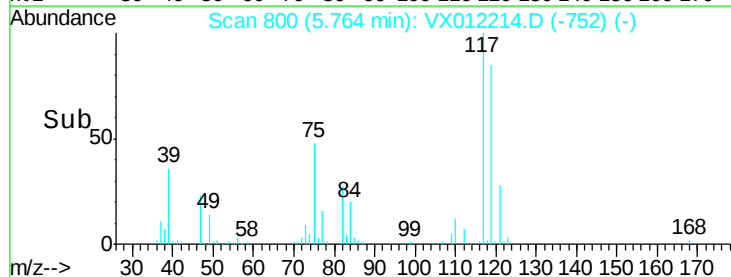
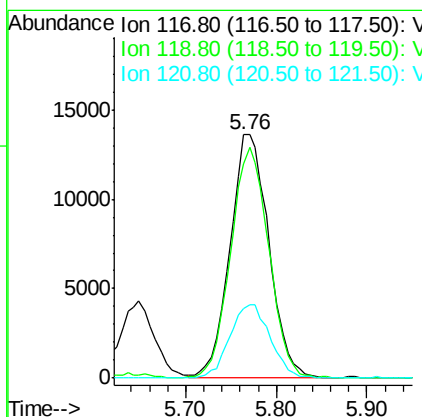
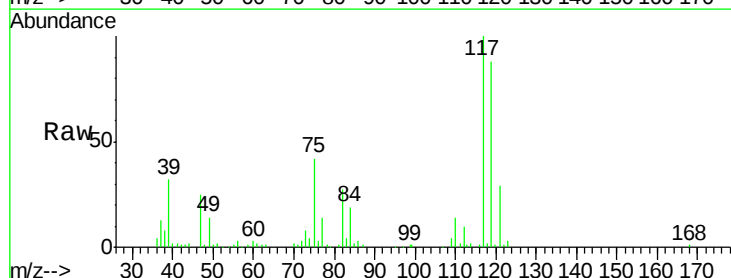
Manual Integrations
APPROVED

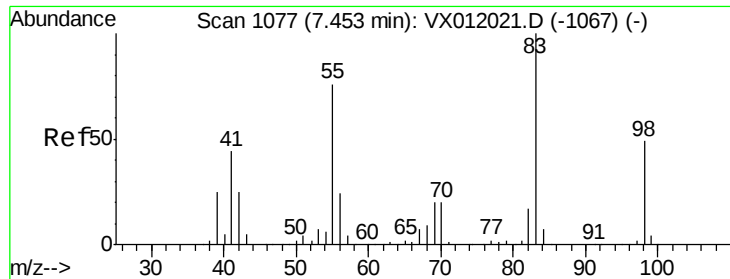
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#38
Carbon Tetrachloride
Concen: 24.942 ug/l
RT: 5.76 min Scan# 800
Delta R.T. -0.01 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.7	78.3	117.5
121	28.6	24.2	36.2





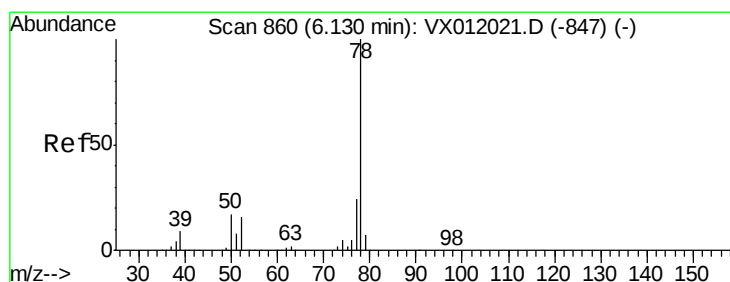
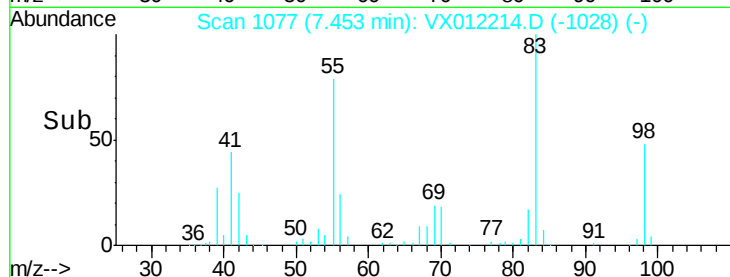
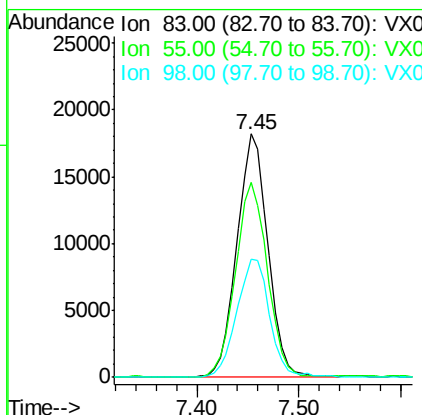
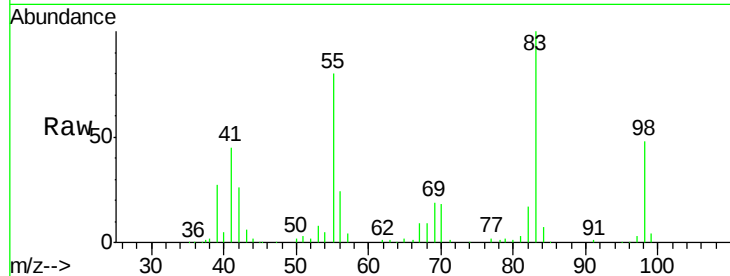
#39
Methvlcvclohexane
Concen: 21.594 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.5	59.6	89.4	
98	48.4	41.4	62.0	

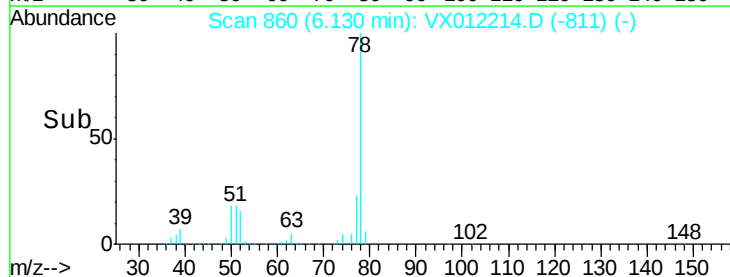
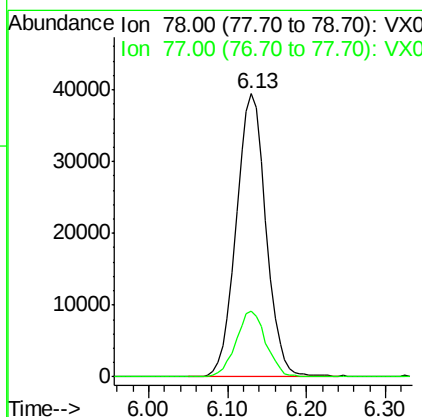
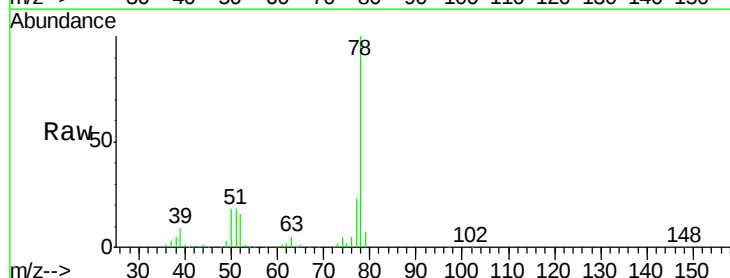
Manual Integrations
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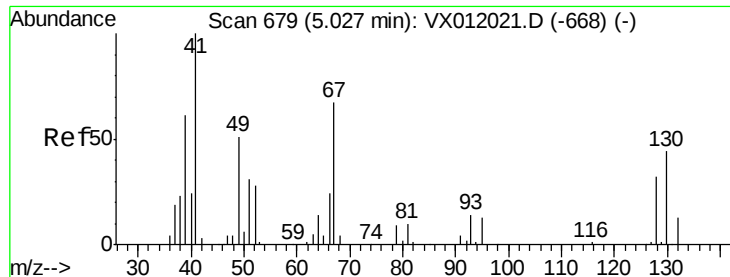
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9/9/2019 8:43:13 AM



#40
Benzene
Concen: 23.498 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.3	28.9	





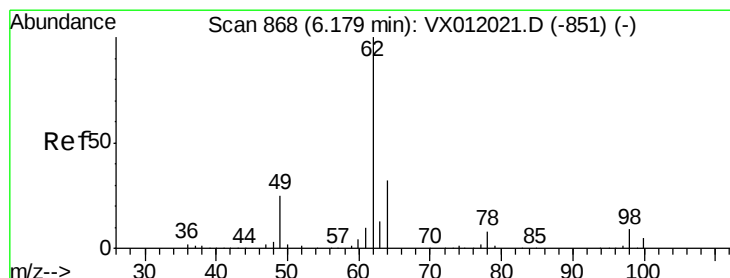
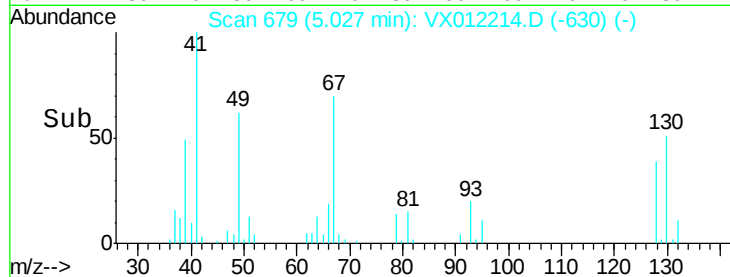
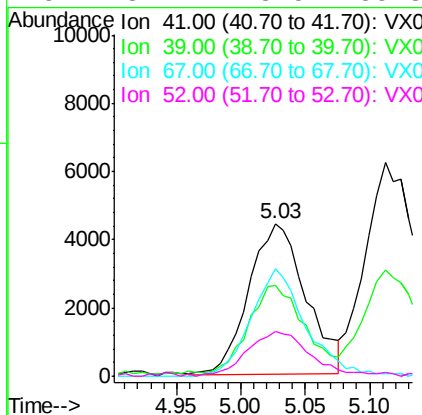
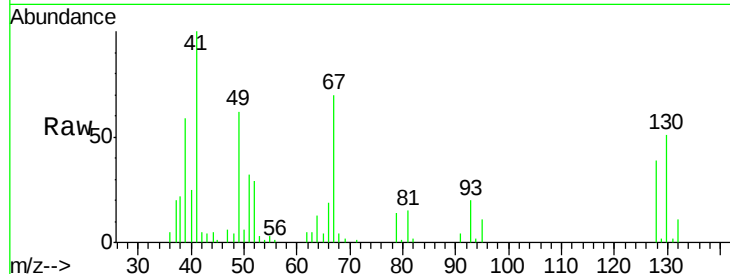
#41
Methacrylonitrile
Concen: 27.148 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion:	41	Resp:	13521
Ion Ratio	Lower	Upper	
41	100		
39	57.7	46.7	70.1
67	68.7	57.0	85.6
52	32.7	23.5	35.3

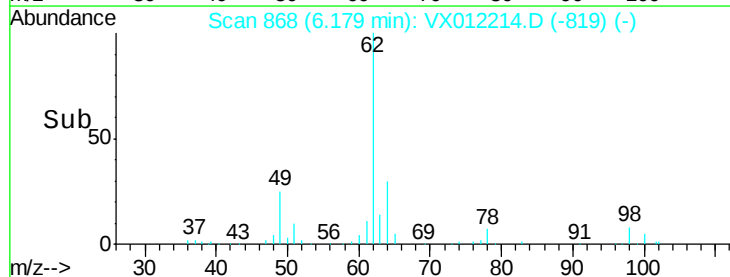
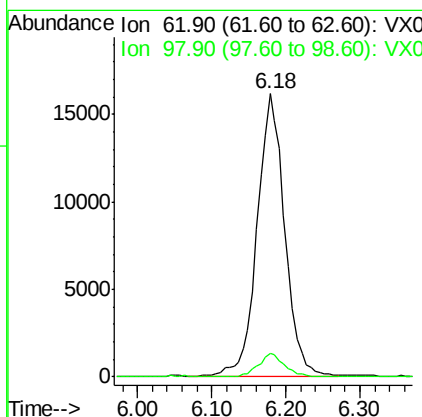
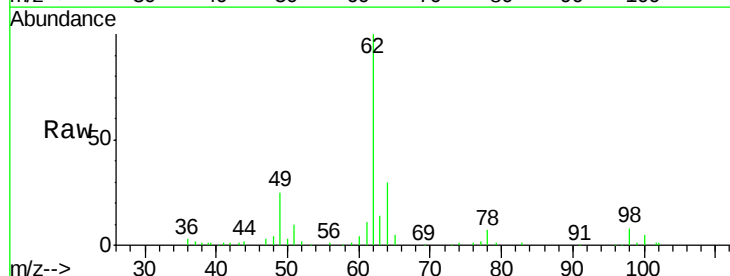
Manual Integrations
APPROVED

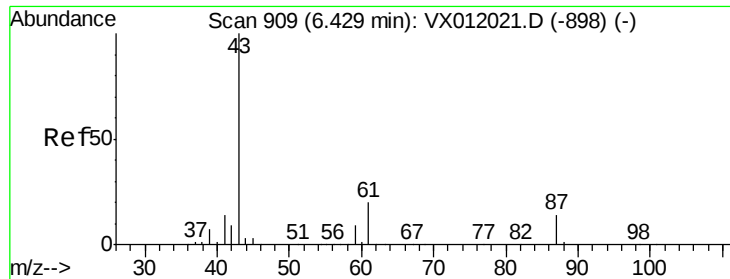
MMDadoda
9/9/2019 8:43:13 AM



#42
1,2-Dichloroethane
Concen: 26.586 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion:	62	Resp:	42183
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	19.2





#43

Isopropyl Acetate

Concen: 26.539 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

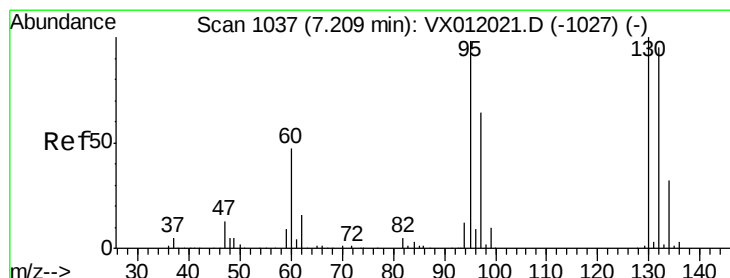
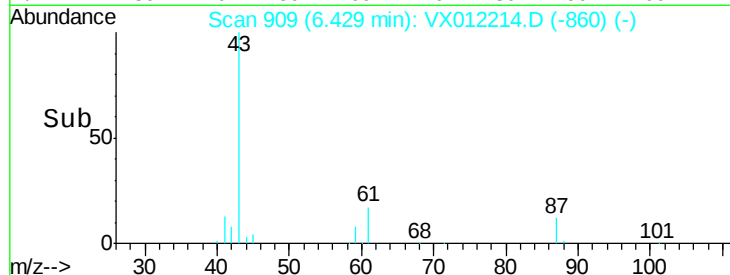
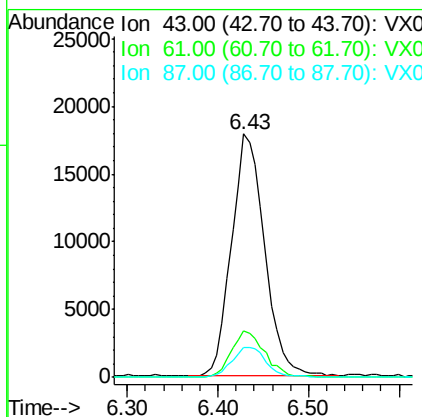
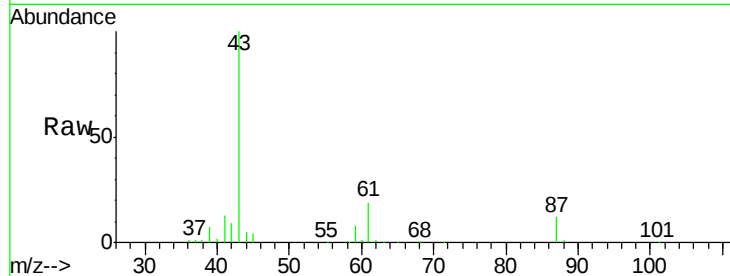
ClientSampleId :

VX0908SBS01

Tot Ion:	43	Resp:	45068
Ion	Ratio	Lower	Upper
43	100		
61	19.7	16.1	24.1
87	13.0	11.3	16.9

Manual Integrations
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MMDadoda
9/9/2019 8:43:13 AM



#44

Trichloroethene

Concen: 24.088 ug/l

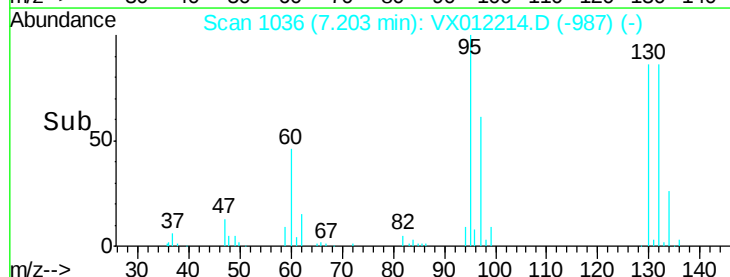
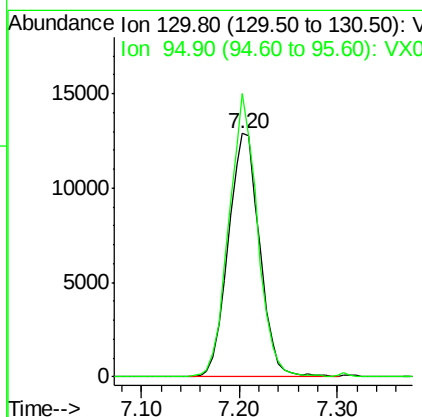
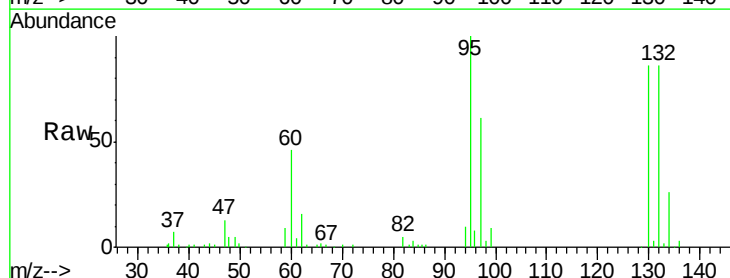
RT: 7.20 min Scan# 1036

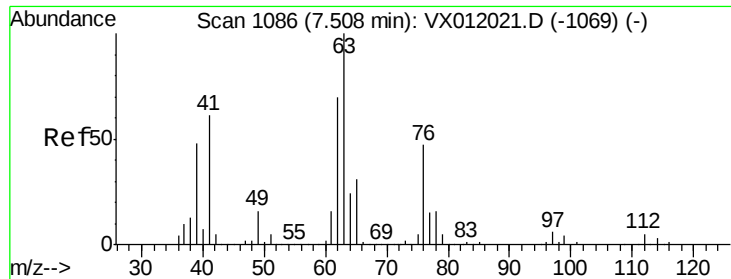
Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion:	130	Resp:	28645
Ion	Ratio	Lower	Upper
130	100		
95	116.3	0.0	176.4





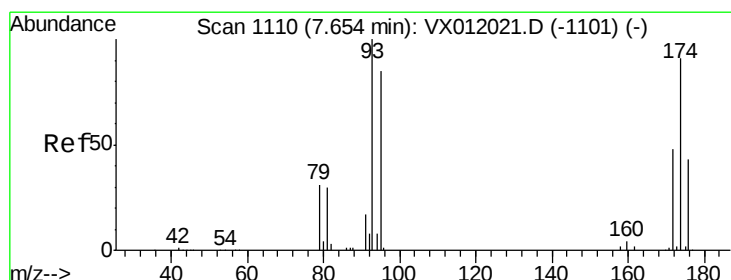
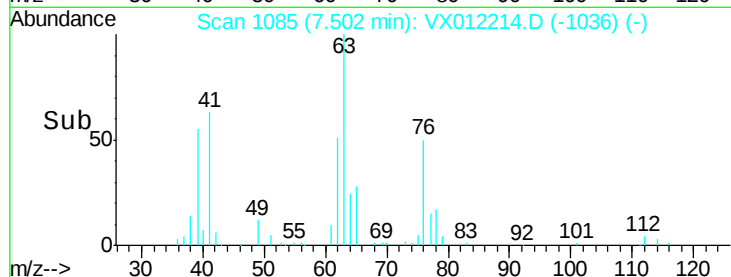
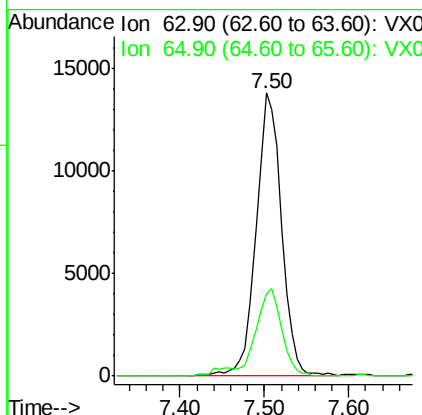
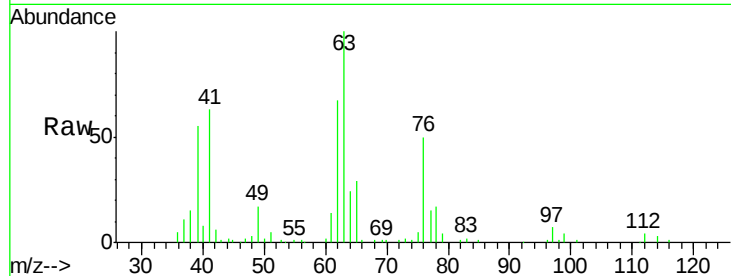
#45
 1,2-Dichloropropane
 Concen: 25.053 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion: 63 Resp: 28538
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.0 37.6

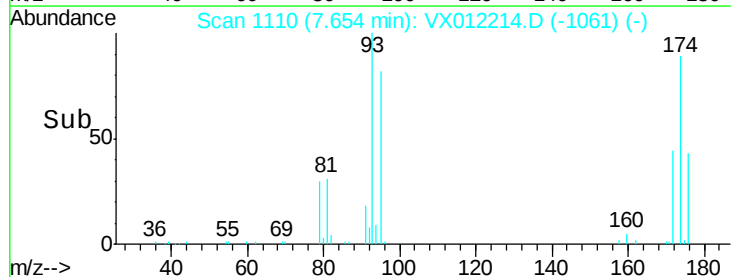
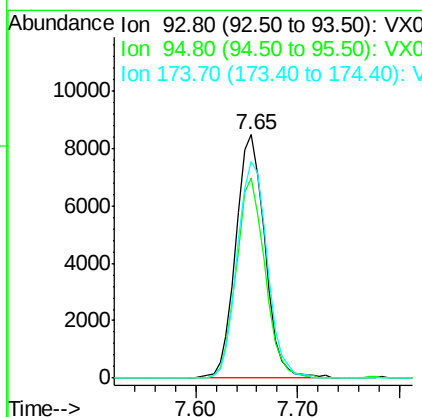
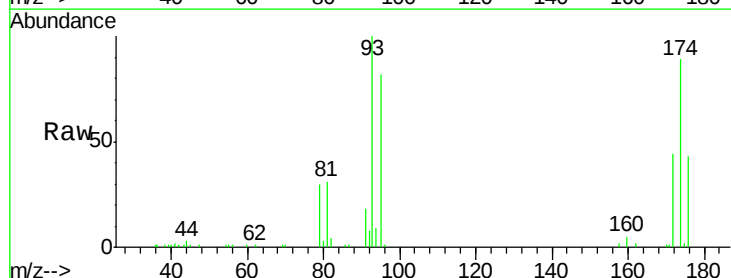
Manual Integrations
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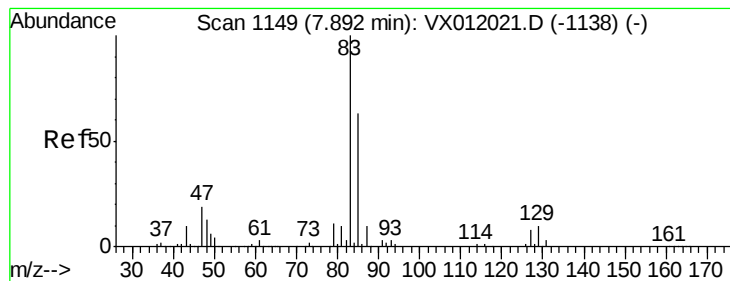
MMDadoda
 9/9/2019 8:43:13 AM



#46
 Dibromomethane
 Concen: 25.229 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion: 93 Resp: 16777
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.2 99.2
 174 91.9 110.2 165.4#





#47

Bromodichloromethane

Concen: 26.031 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

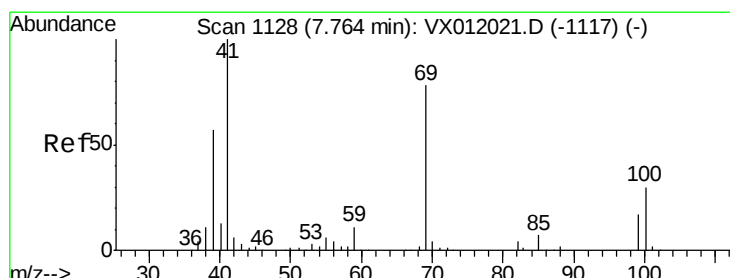
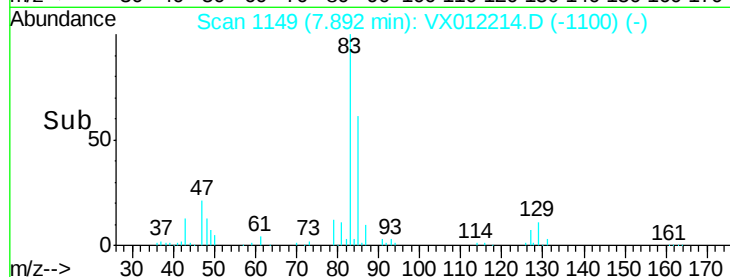
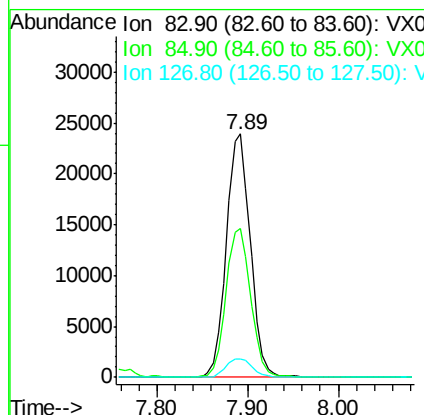
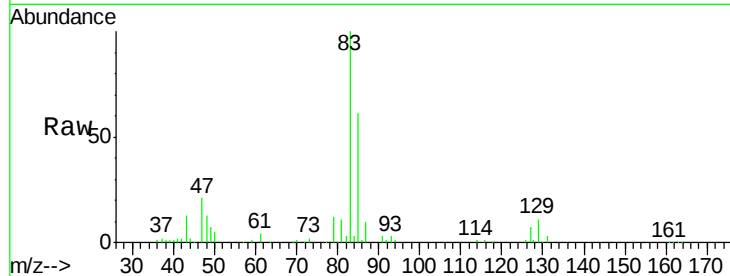
ClientSampleId :

VX0908SBS01

Tot Ion:	83	Resp:	43999
Ion	Ratio	Lower	Upper
83	100		
85	60.9	50.3	75.5
127	7.4	8.1	12.1#

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:43:13 AM



#48

Methyl methacrylate

Concen: 25.853 ug/l

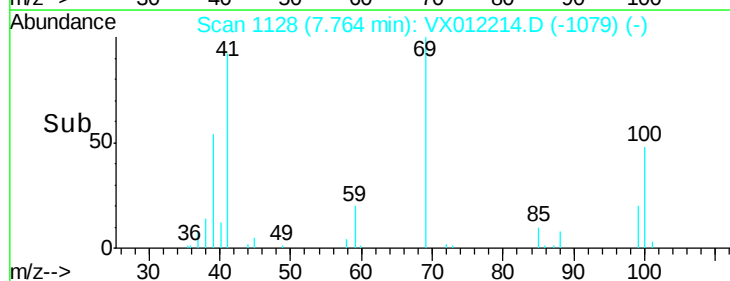
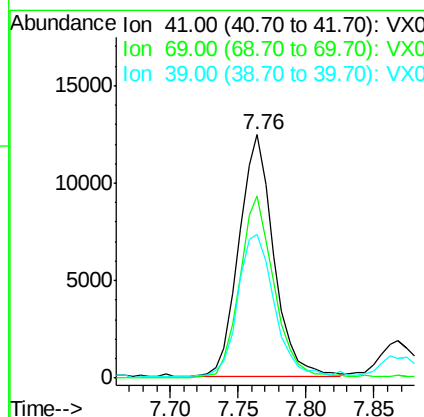
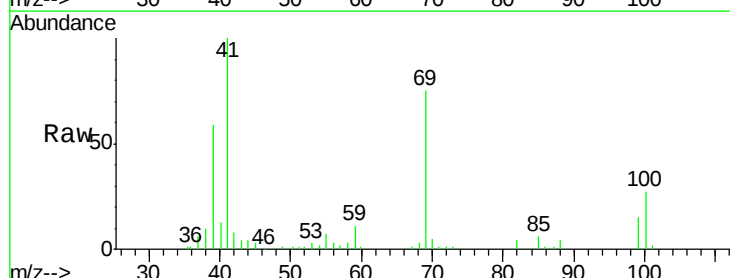
RT: 7.76 min Scan# 1128

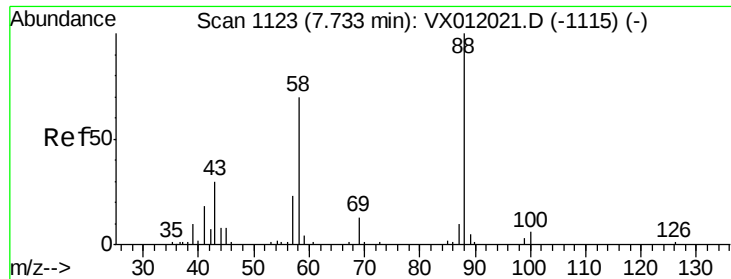
Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion:	41	Resp:	22074
Ion	Ratio	Lower	Upper
41	100		
69	75.5	66.3	99.5
39	60.9	48.1	72.1





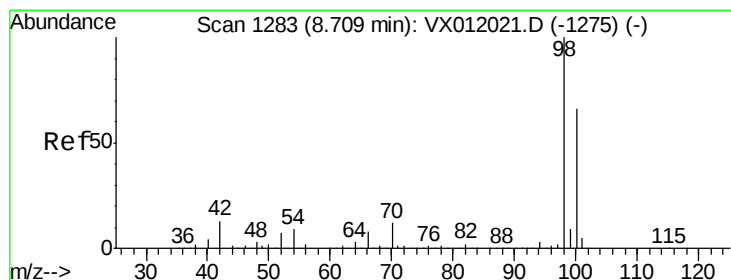
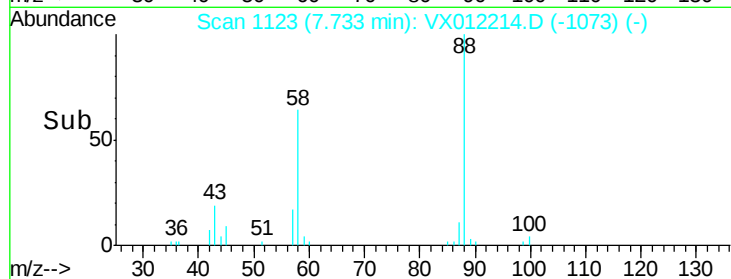
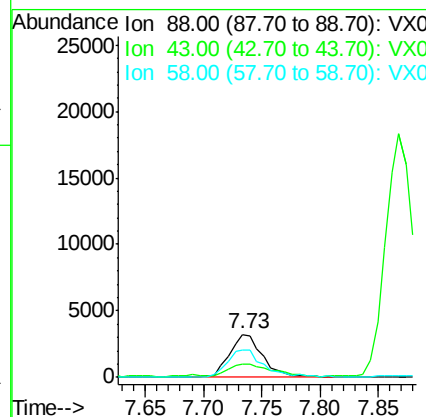
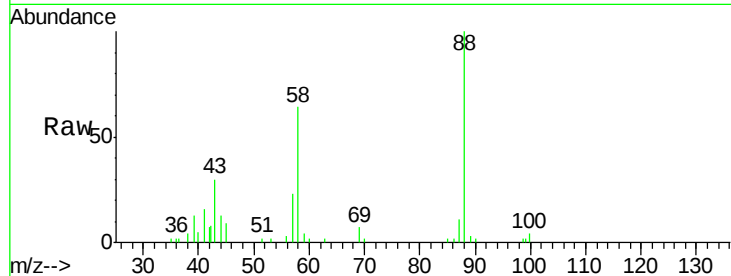
#49
1,4-Dioxane
Concen: 547.865 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	29.8	44.6
58	70.4	55.4	83.2

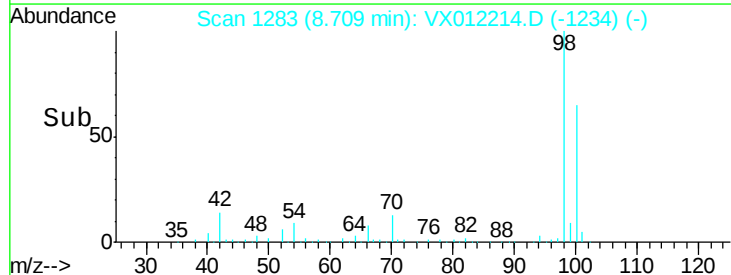
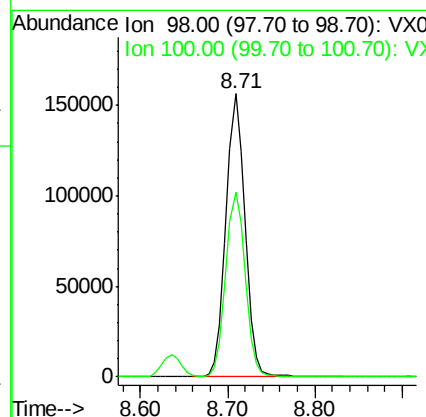
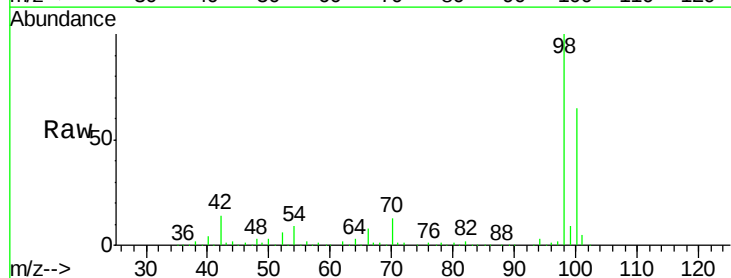
Manual Integrations
APPROVED

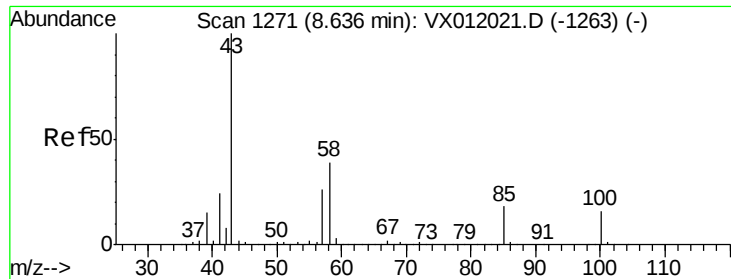
MMDadoda
9/9/2019 8:43:13 AM



#50
Toluene-d8
Concen: 60.269 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9





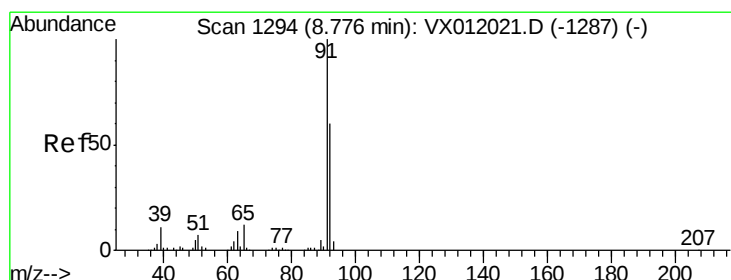
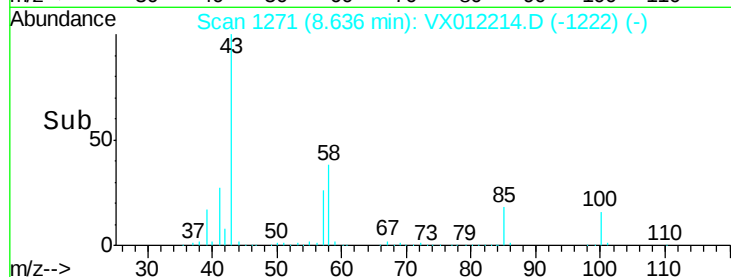
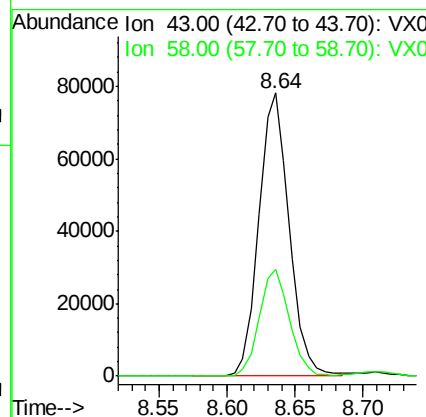
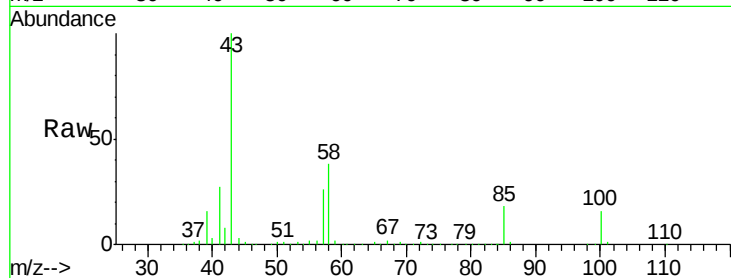
#51
4-Methyl-2-Pentanone
Concen: 141.045 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.5	47.3

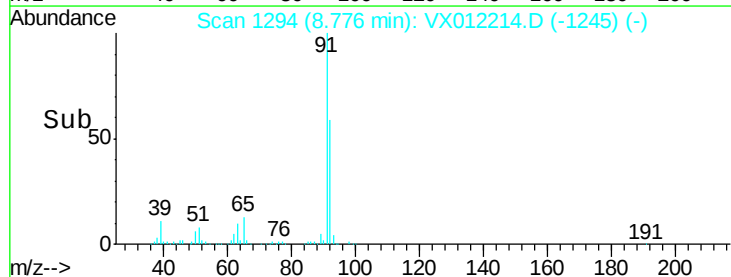
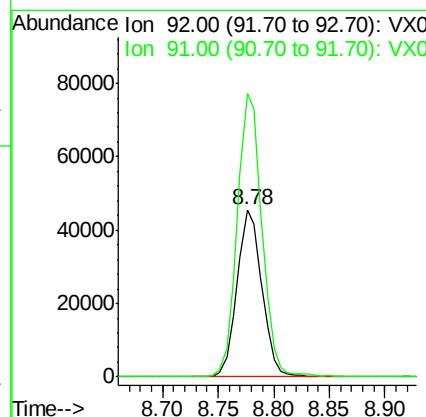
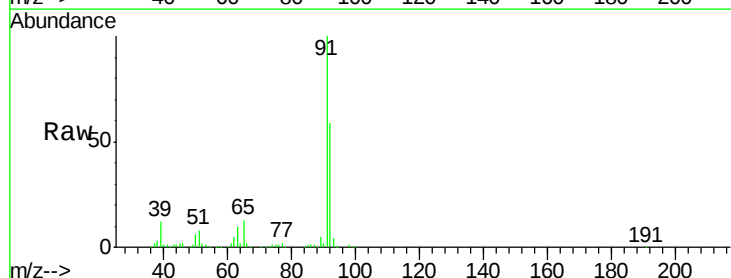
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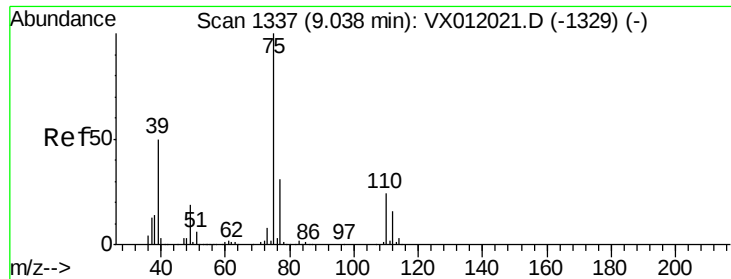
MMDadoda
9/9/2019 8:43:13 AM



#52
Toluene
Concen: 24.598 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.7	136.0	204.0





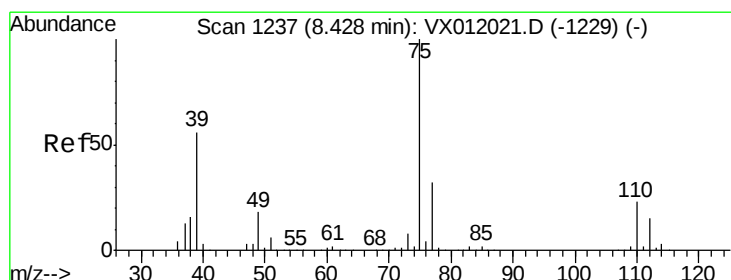
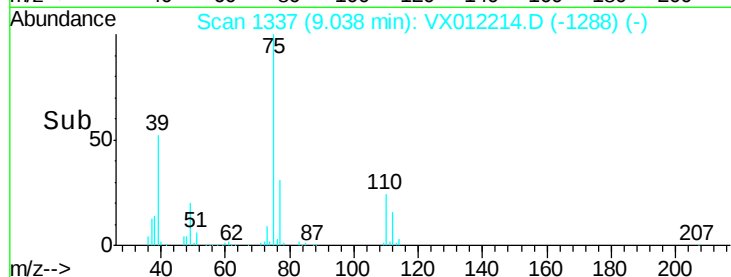
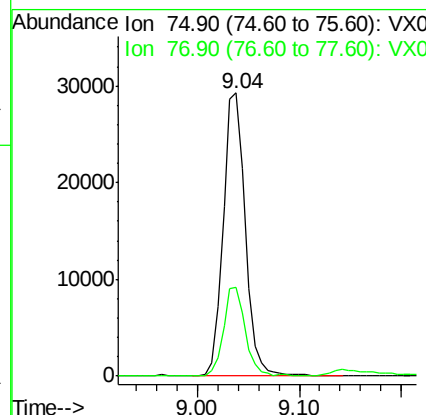
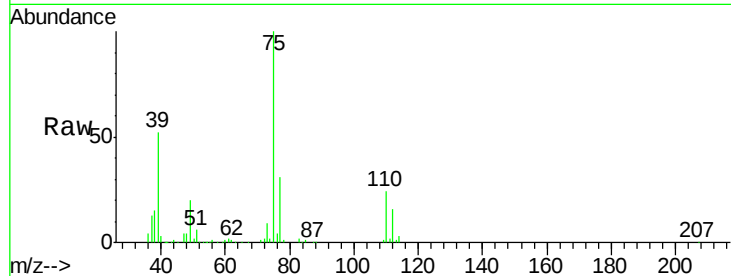
#53
t-1,3-Dichloropropene
Concen: 25.427 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion: 75 Resp: 44496
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7

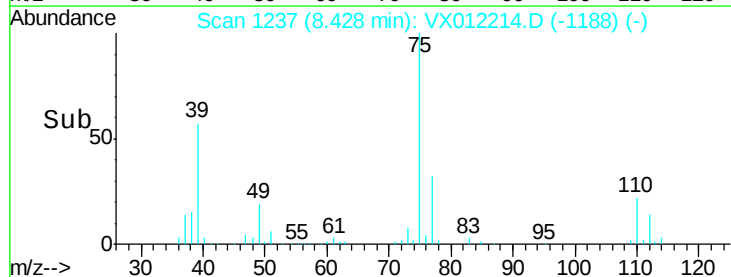
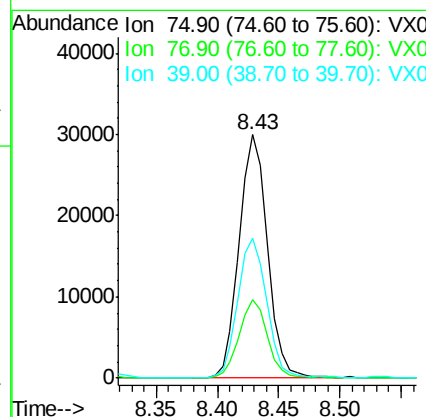
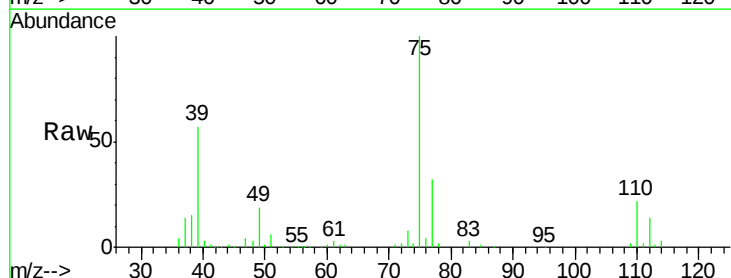
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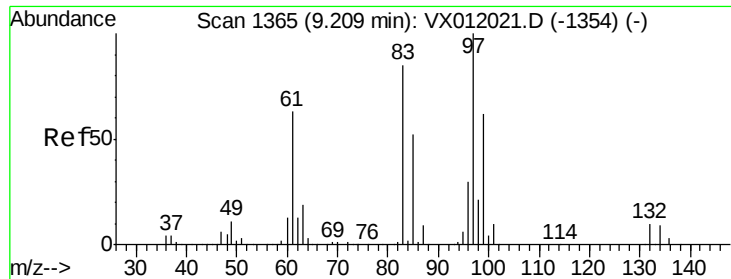
MMDadoda
9/9/2019 8:43:13 AM



#54
cis-1,3-Dichloropropene
Concen: 24.690 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion: 75 Resp: 48046
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3
39 57.0 43.0 64.4





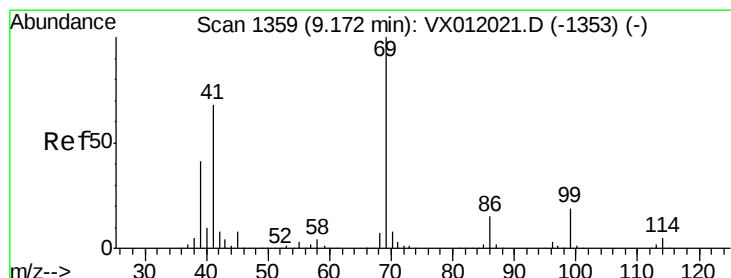
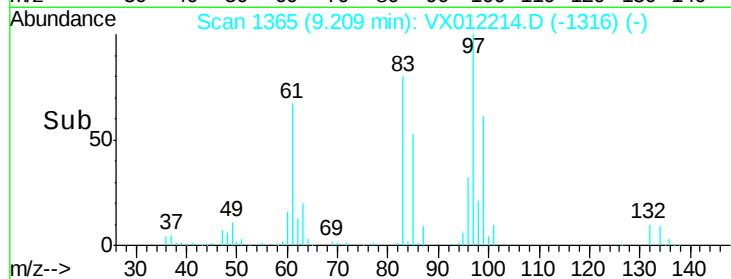
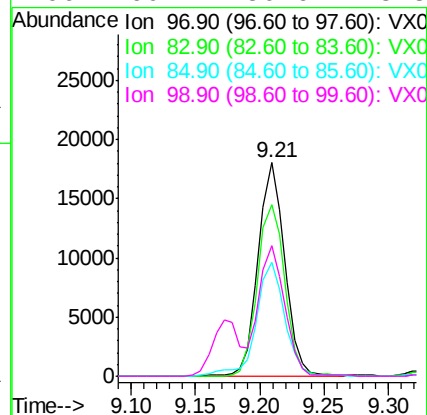
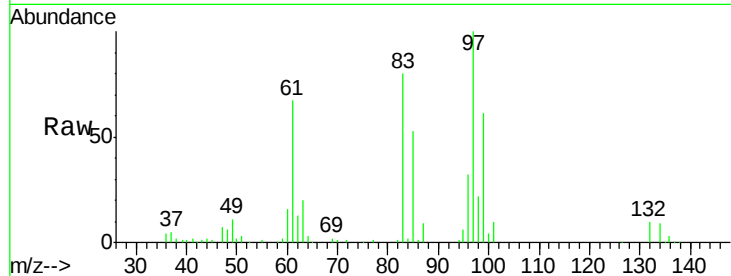
#55
 1,1,2-Trichloroethane
 Concen: 27.020 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion:	97	Resp:	25688
Ion	Ratio	Lower	Upper
97	100		
83	80.0	66.0	99.0
85	53.4	41.0	61.6
99	60.1	50.6	75.8

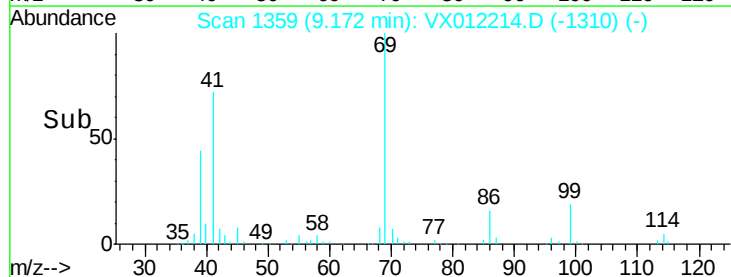
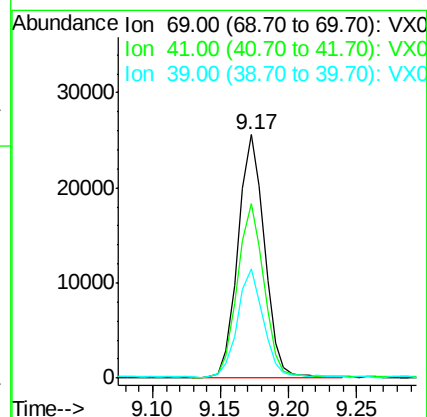
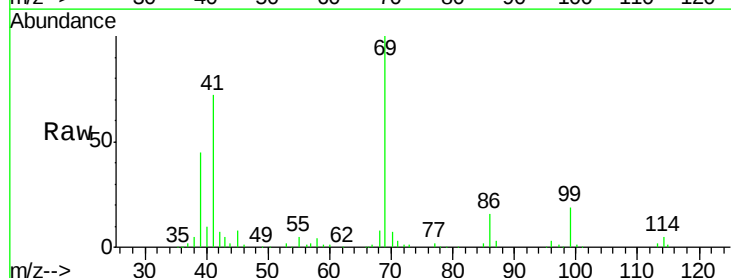
Manual Integrations
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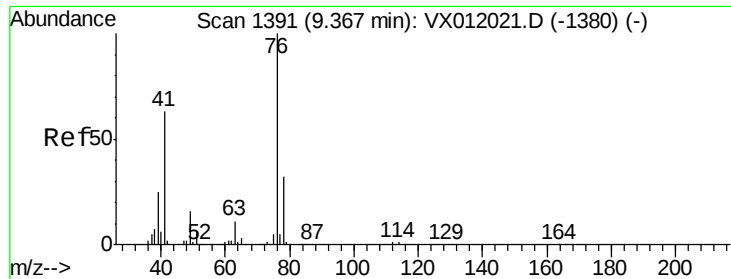
MMDadoda
 9/9/2019 8:43:13 AM



#56
 Ethyl methacrylate
 Concen: 25.757 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion:	69	Resp:	35075
Ion	Ratio	Lower	Upper
69	100		
41	70.8	53.9	80.9
39	43.9	31.1	46.7





#57

1,3-Dichloropropane

Concen: 25.957 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS01

Tot Ion: 76 Resp: 42583

Ion Ratio Lower Upper

76 100

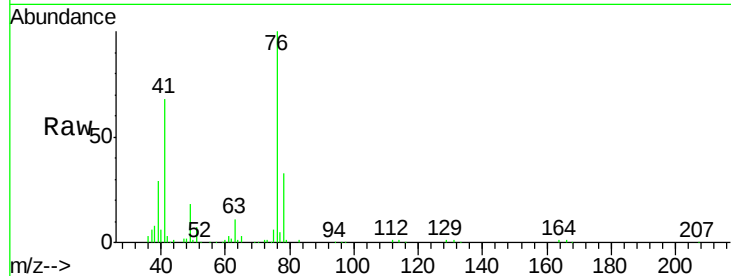
78 32.7 25.5 38.3

Manual Integrations

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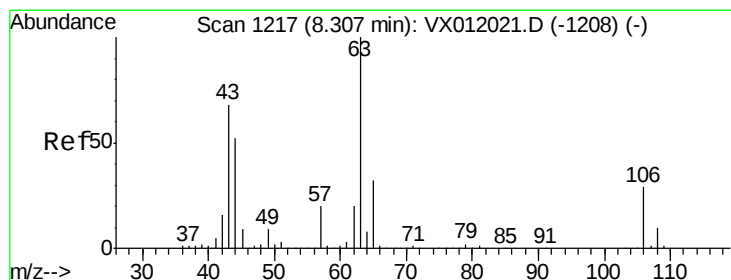
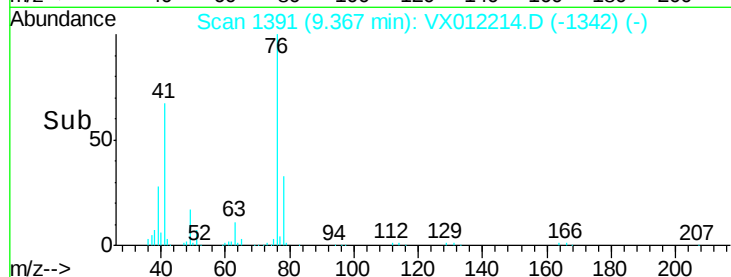
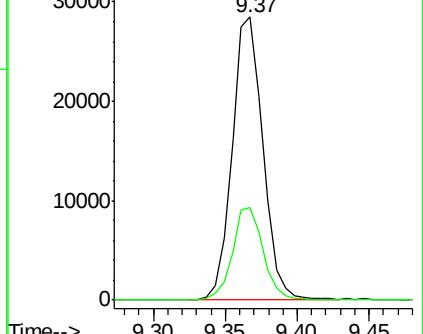
MMDadoda

9/9/2019 8:43:13 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 141.271 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012214.D

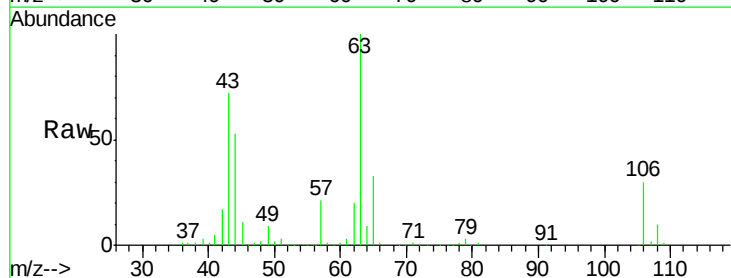
Acq: 08 Sep 2019 11:05

Tgt Ion: 63 Resp: 86731

Ion Ratio Lower Upper

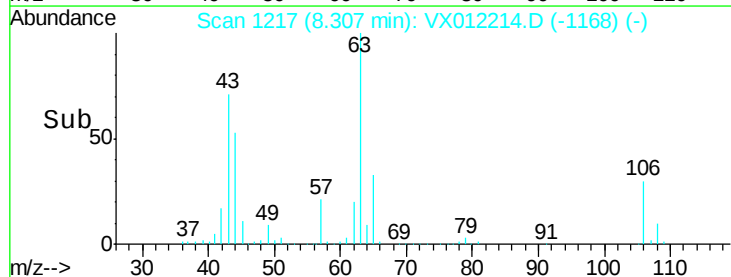
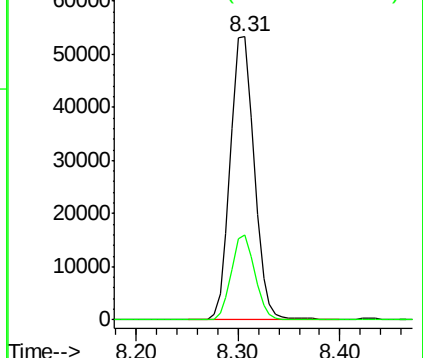
63 100

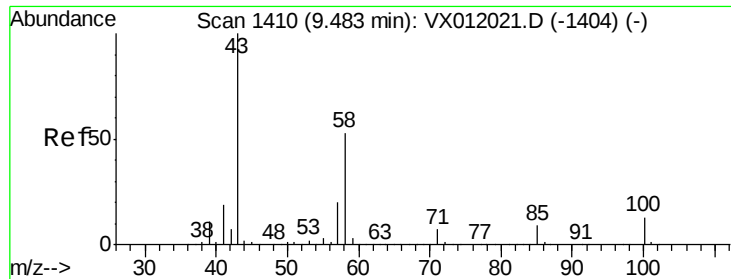
106 29.5 26.5 39.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





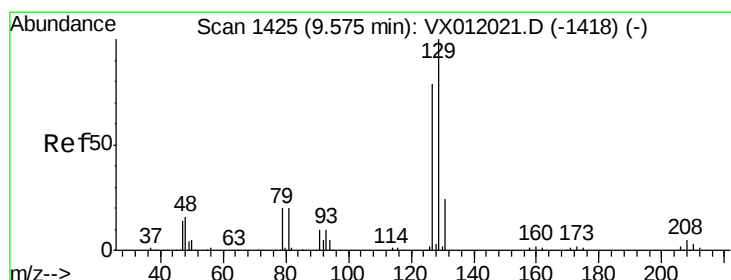
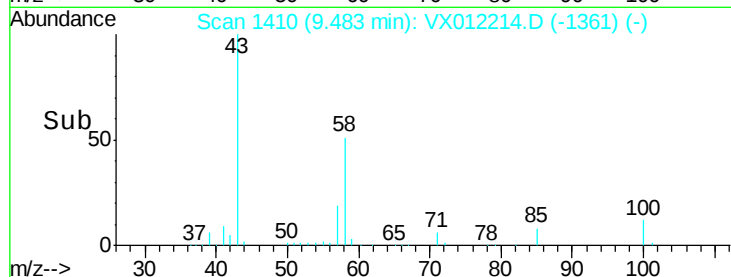
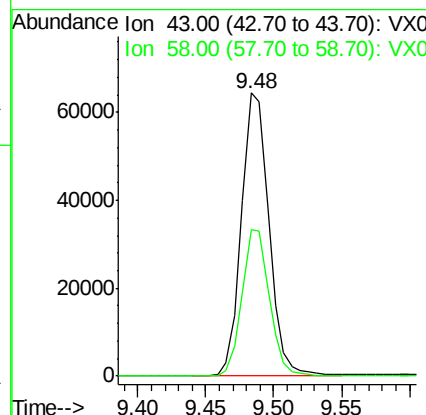
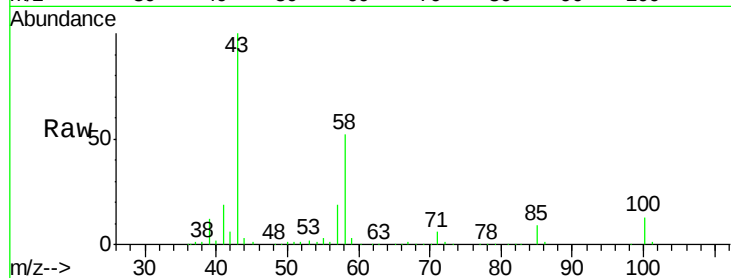
#59
2-Hexanone
Concen: 144.132 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.9	27.2	81.6

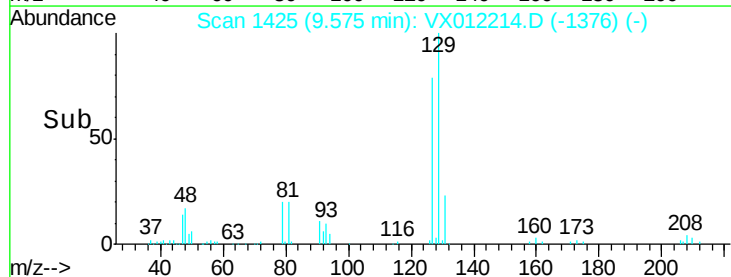
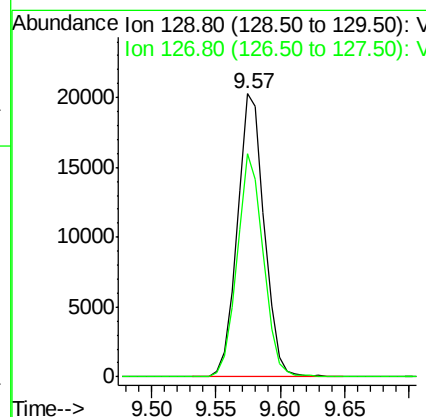
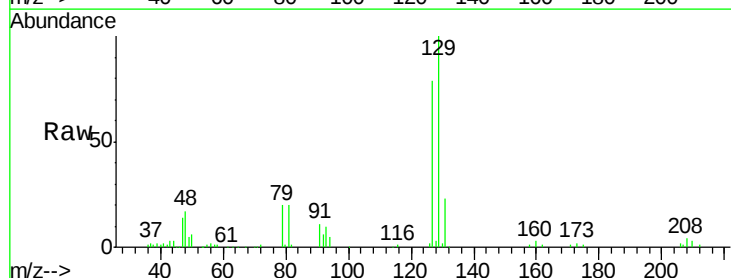
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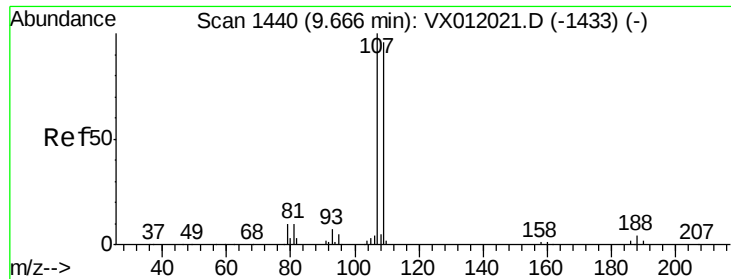
MMDadoda
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#60
Dibromochloromethane
Concen: 26.007 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.1	114.5





#61

1,2-Dibromoethane

Concen: 25.915 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS01

Tot Ion:107 Resp: 23807

Ion Ratio Lower Upper

107 100

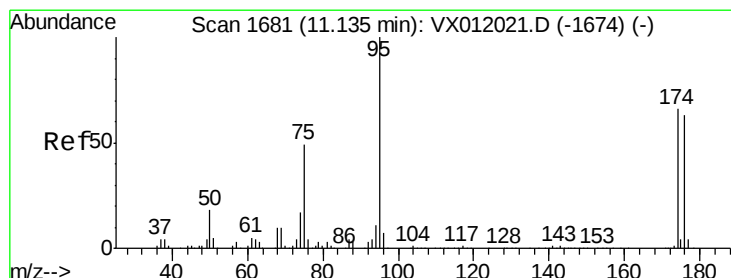
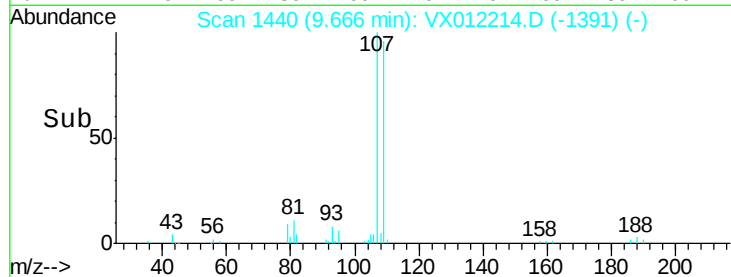
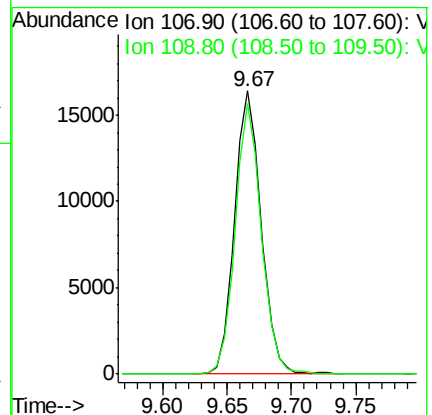
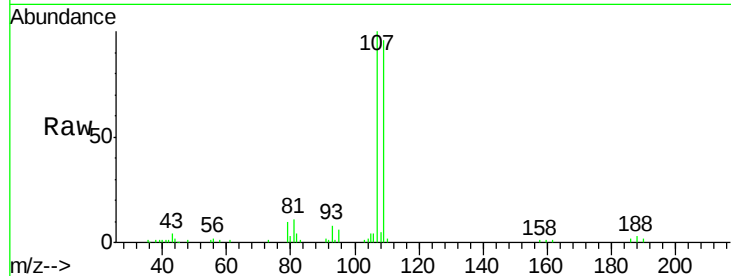
109 93.7 76.9 115.3

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#62

4-Bromofluorobenzene

Concen: 56.872 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

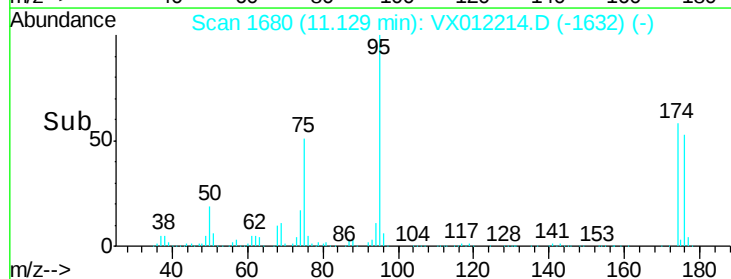
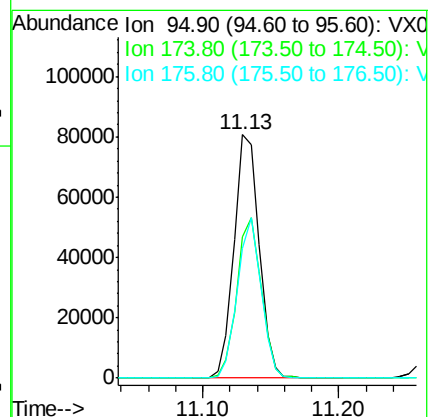
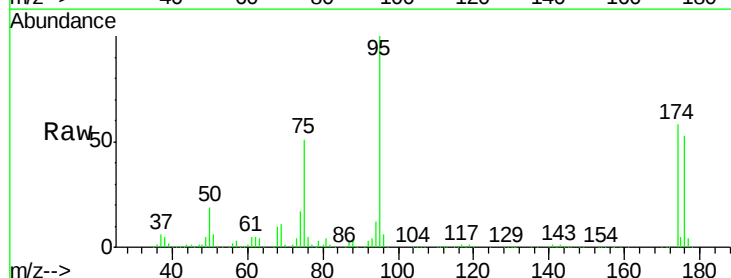
Tgt Ion: 95 Resp: 104078

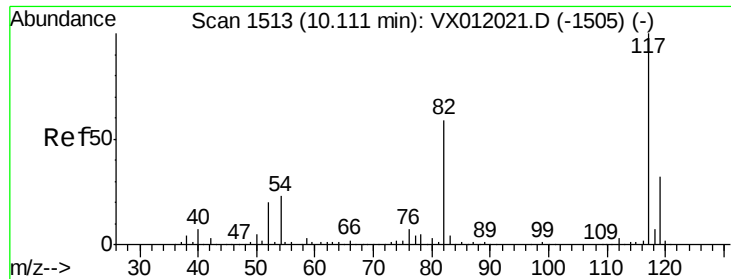
Ion Ratio Lower Upper

95 100

174 64.4 0.0 205.4

176 62.5 0.0 201.8





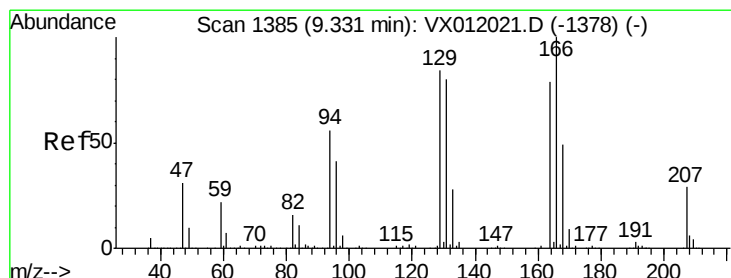
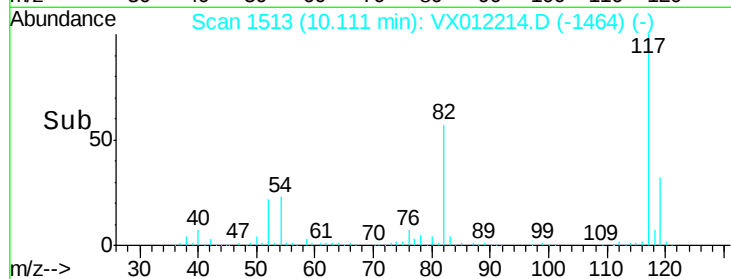
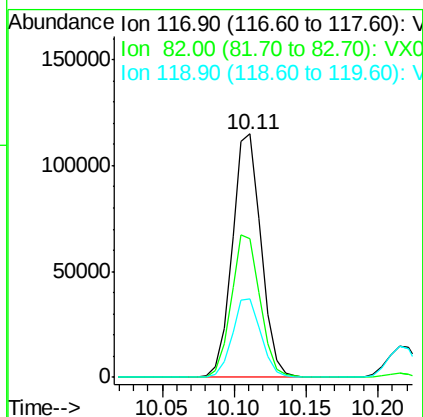
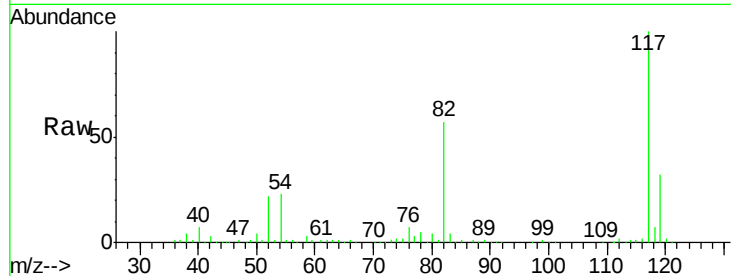
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	160593		
82	57.0		39.4	59.0
119	32.5		26.1	39.1

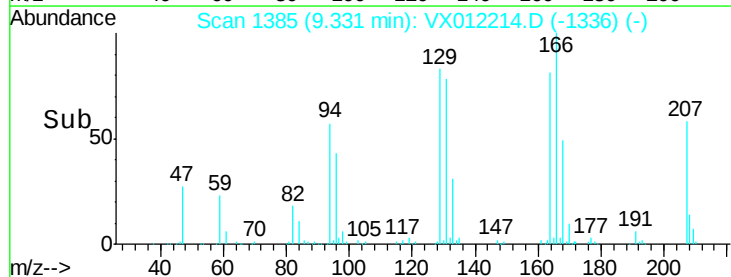
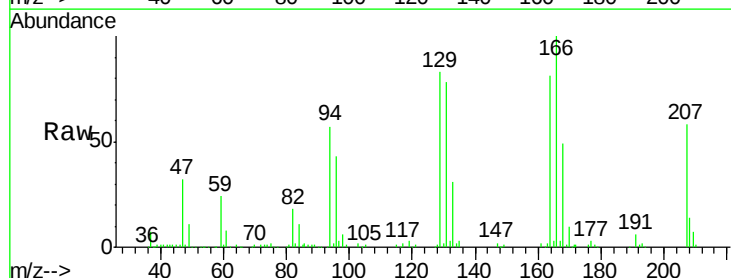
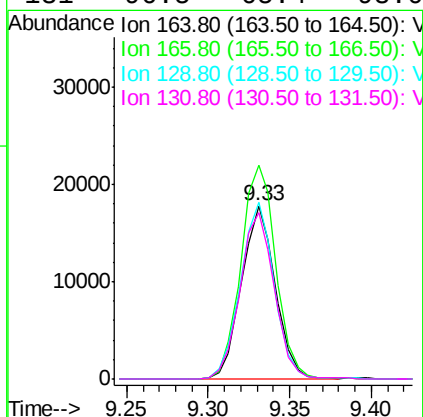
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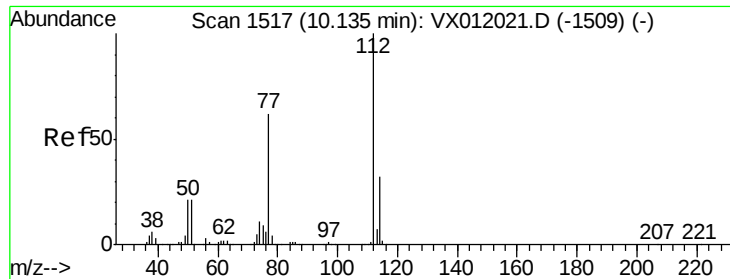
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#64
Tetrachloroethene
Concen: 25.645 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25676		
166	123.5		104.3	156.5
129	102.3		68.3	102.5
131	96.5		65.4	98.0





#65

Chlorobenzene

Concen: 26.028 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS01

Tot Ion:112 Resp: 82473

Ion Ratio Lower Upper

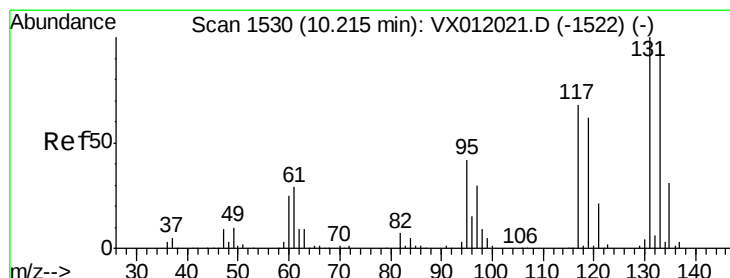
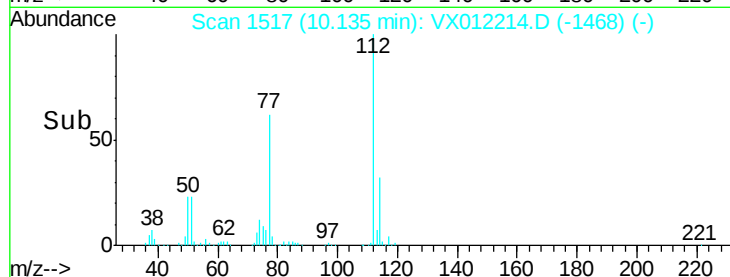
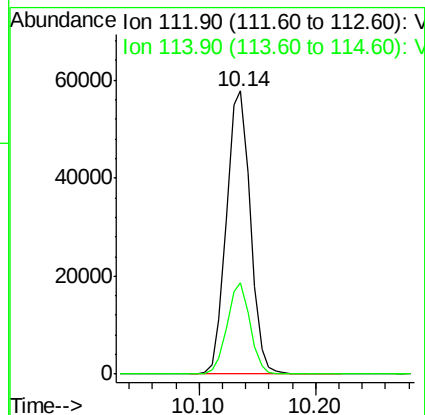
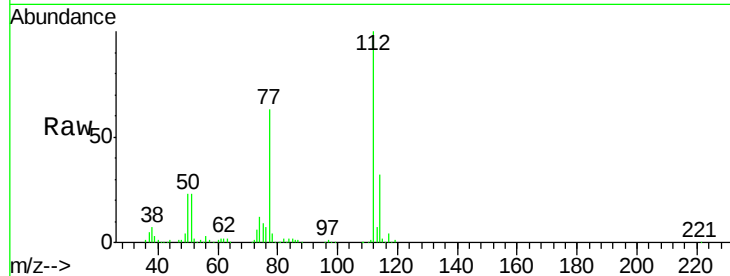
112 100

114 32.2 26.2 39.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 26.891 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

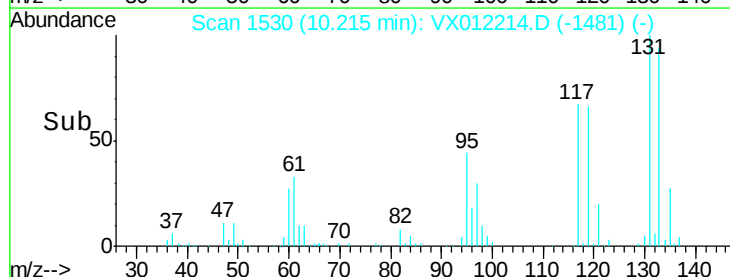
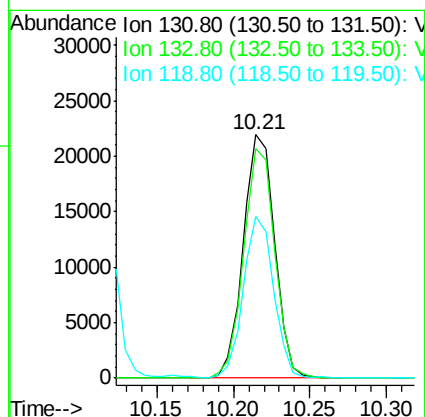
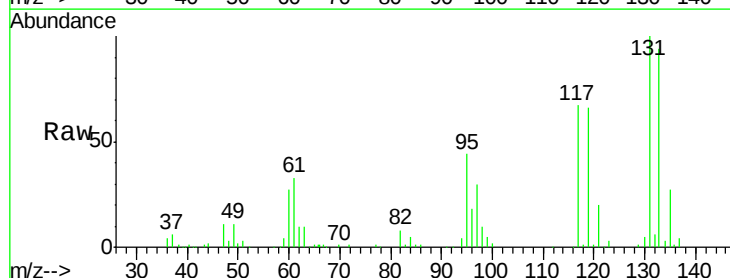
Tgt Ion:131 Resp: 31156

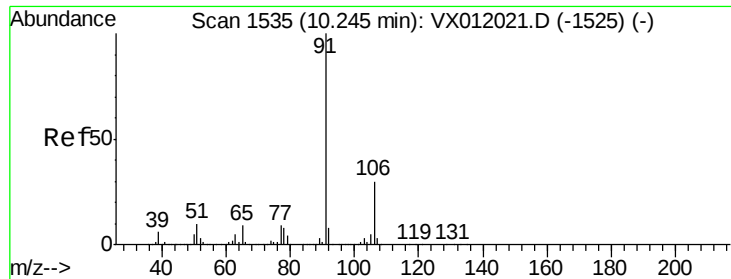
Ion Ratio Lower Upper

131 100

133 94.2 48.4 145.0

119 64.5 30.5 91.5





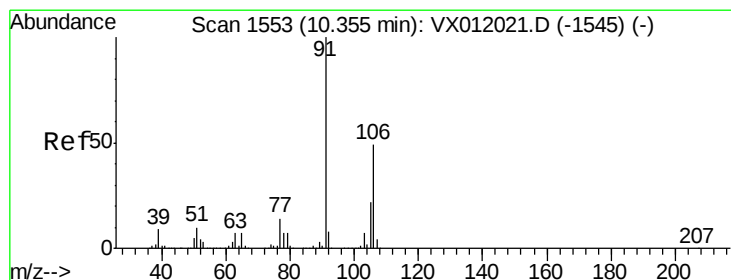
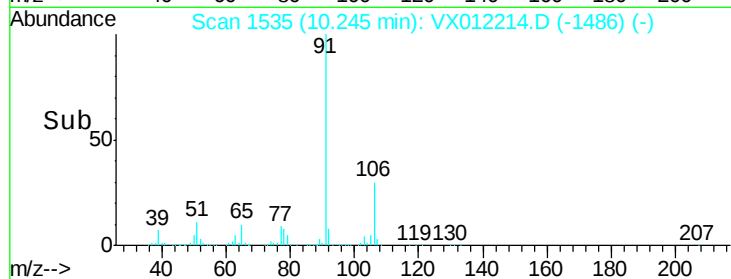
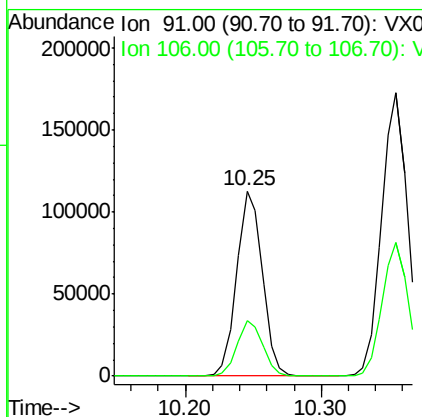
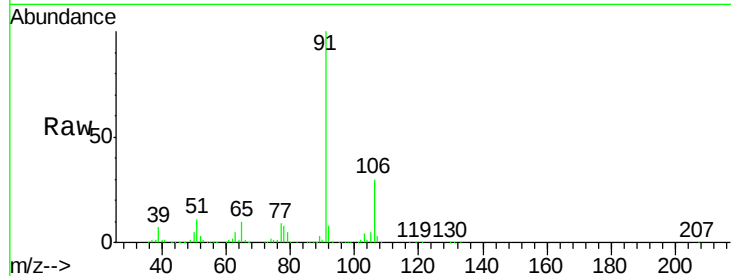
#67
Ethyl Benzene
Concen: 25.620 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion: 91 Resp: 147972
Ion Ratio Lower Upper
91 100
106 30.4 25.8 38.8

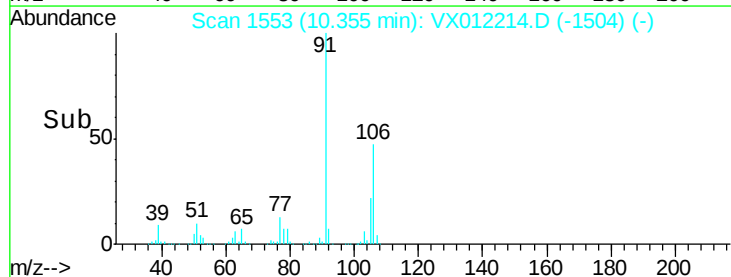
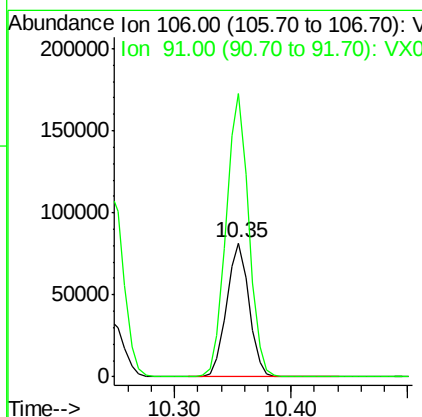
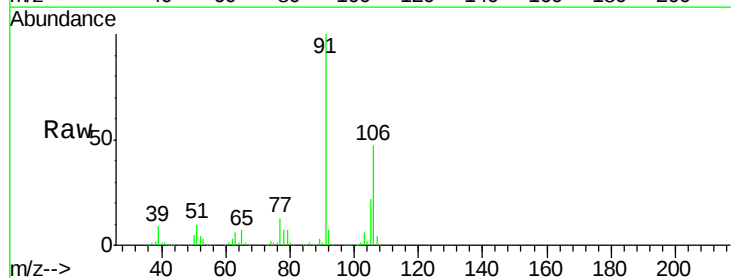
Manual Integrations
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#68
m/p-Xylenes
Concen: 51.282 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion: 106 Resp: 109128
Ion Ratio Lower Upper
106 100
91 213.3 157.5 236.3





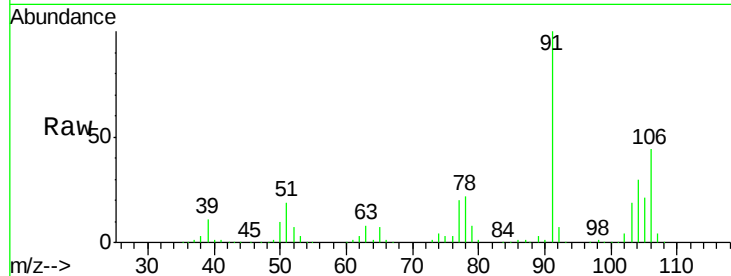
#69
o-Xylene
Concen: 26.237 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleID :
VX0908SBS01

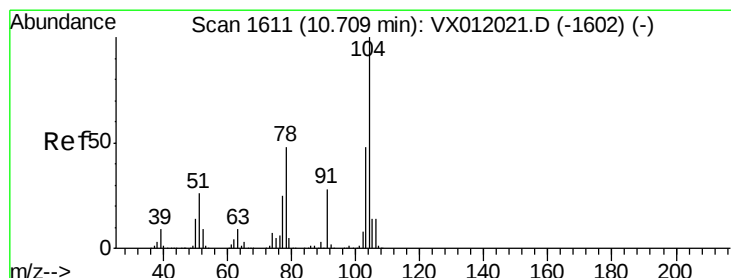
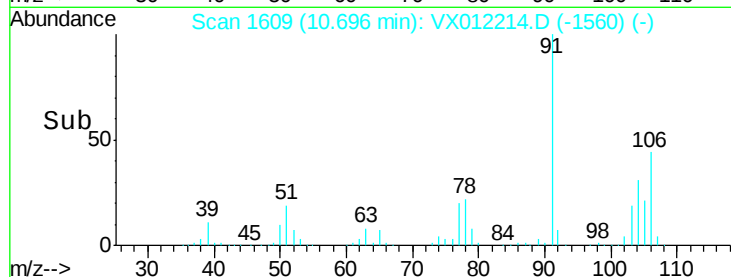
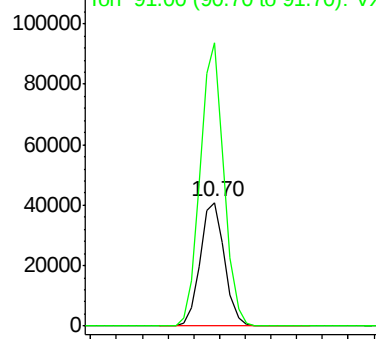
Tot Ion:106 Resp: 54141
Ion Ratio Lower Upper
106 100
91 223.9 103.5 310.3

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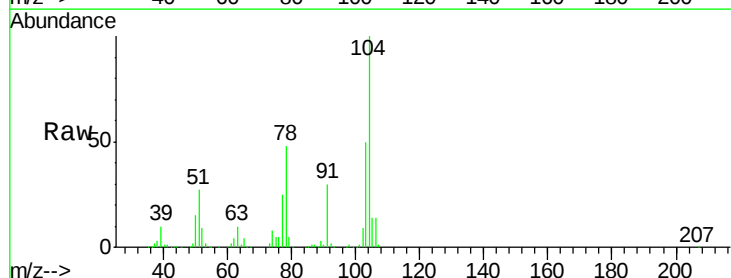


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

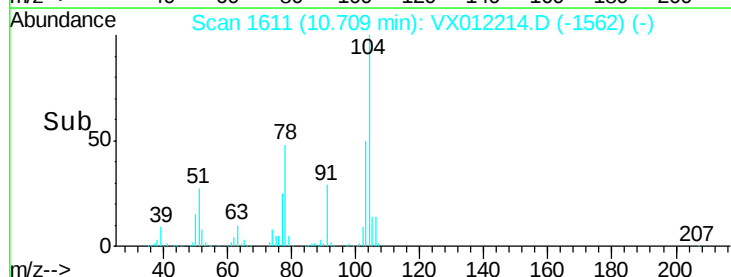
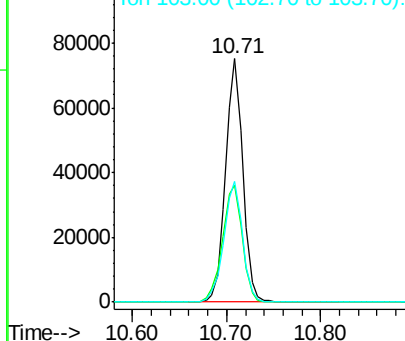


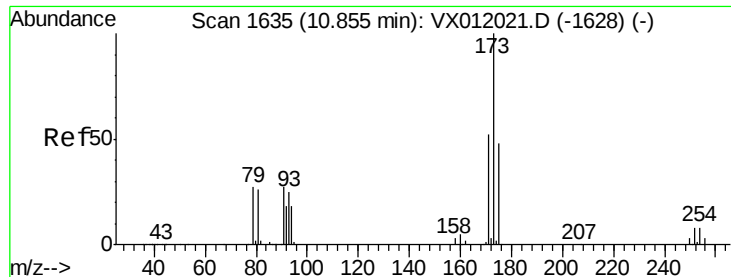
#70
Styrene
Concen: 26.717 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion:104 Resp: 95759
Ion Ratio Lower Upper
104 100
78 54.9 39.1 58.7
103 53.9 43.4 65.2



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





#71

Bromoform

Concen: 25.949 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

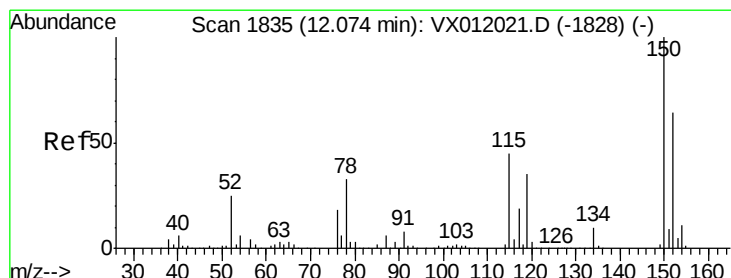
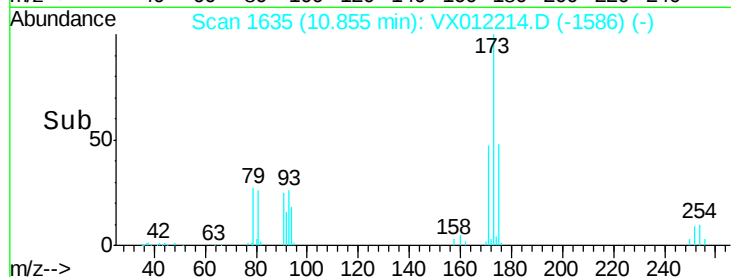
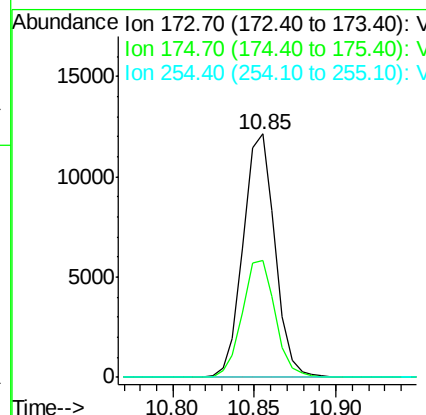
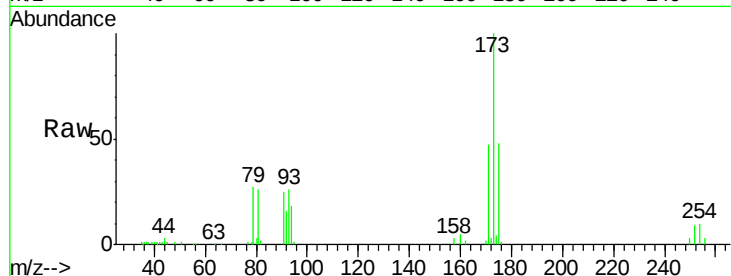
ClientSampleId :

VX0908SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.9	74.7
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

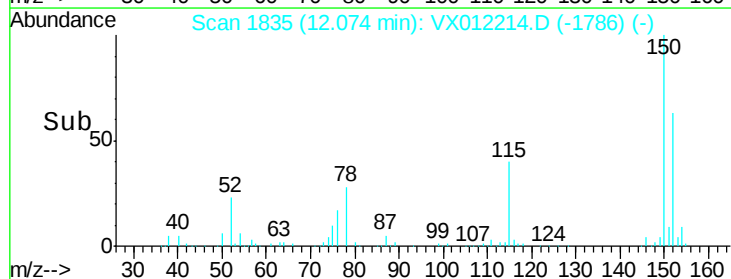
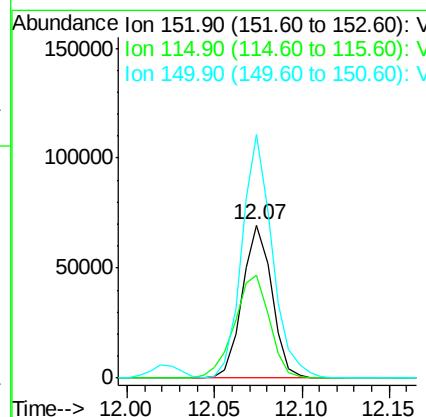
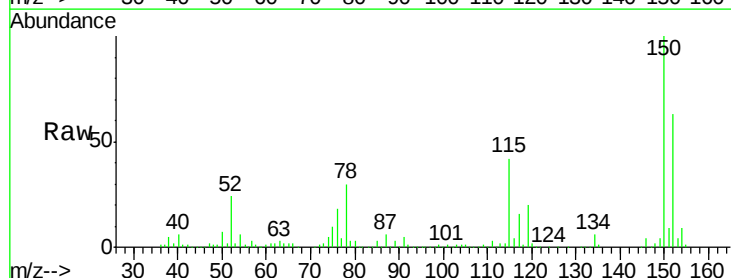
RT: 12.07 min Scan# 1835

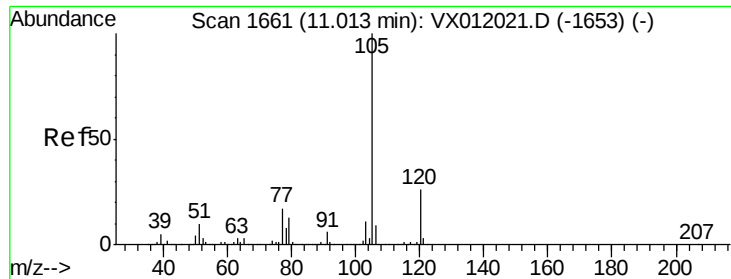
Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.9	36.4	109.3
150	163.2	0.0	341.2





#73

Isopropylbenzene

Concen: 25.097 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

ClientSampleId :

VX0908SBS01

Tot Ion: 105 Resp: 150099

Ion Ratio Lower Upper

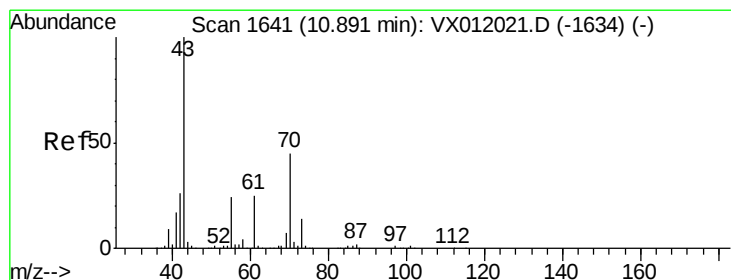
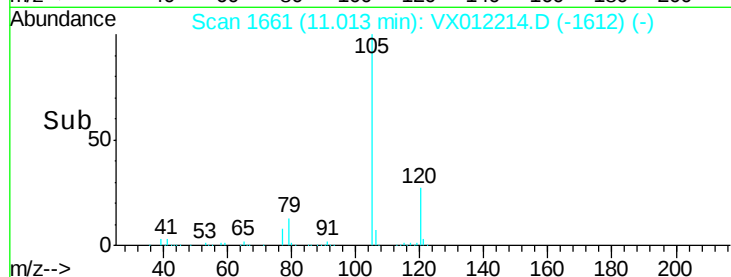
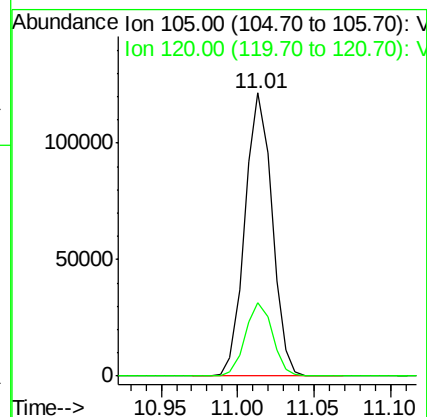
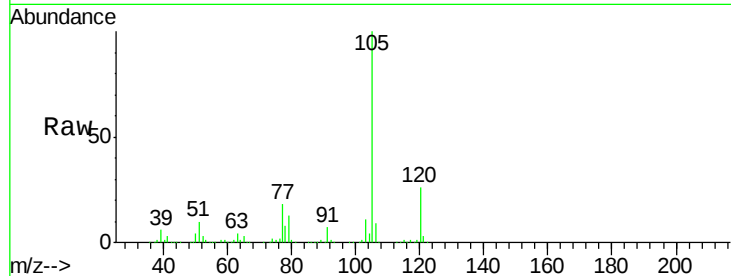
105 100

120 26.0 13.9 41.6

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#74

N-ethyl acetate

Concen: 25.810 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion: 43 Resp: 45641

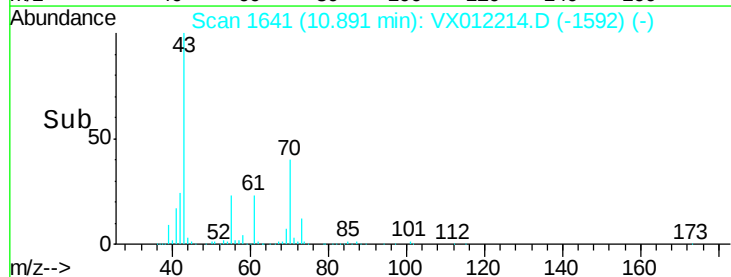
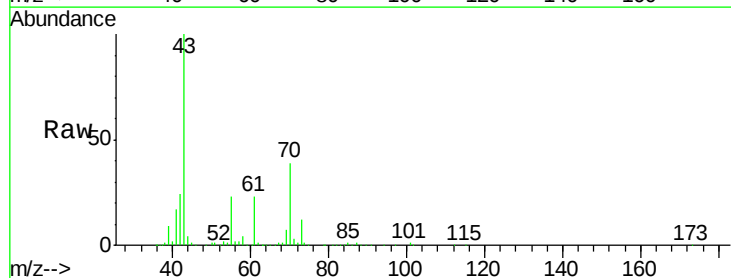
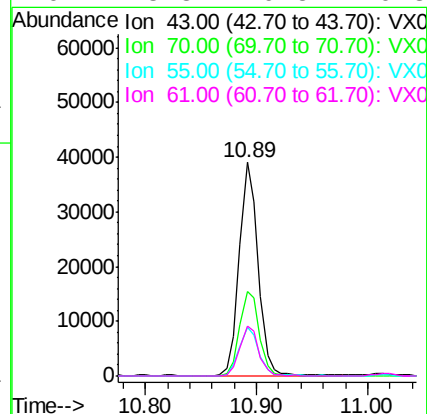
Ion Ratio Lower Upper

43 100

70 41.7 34.4 51.6

55 23.4 18.5 27.7

61 23.8 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 26.079 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

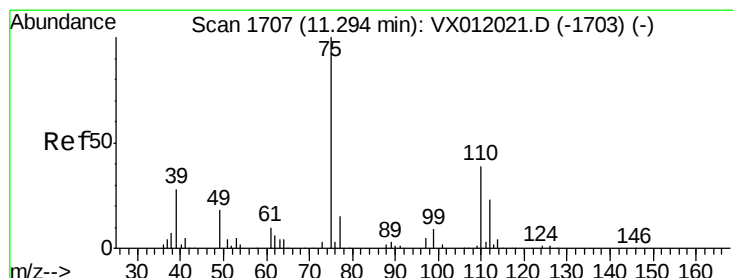
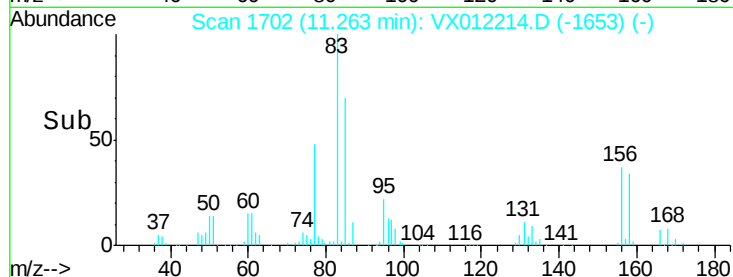
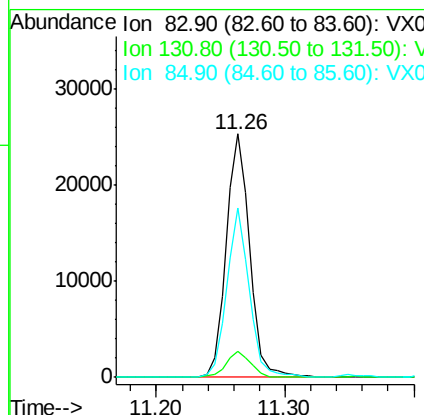
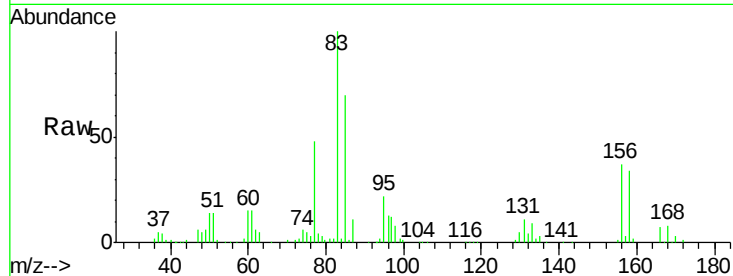
ClientSampleId :

VX0908SBS01

Tot Ion:	83	Resp:	32517
Ion Ratio	Lower	Upper	
83	100		
131	11.1	6.3	19.1
85	66.6	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 25.395 ug/l m

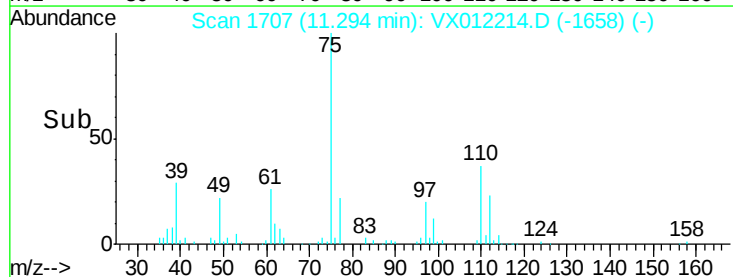
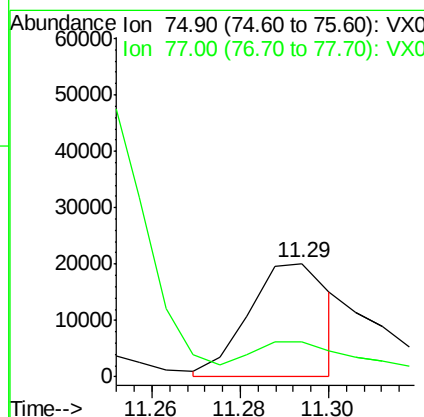
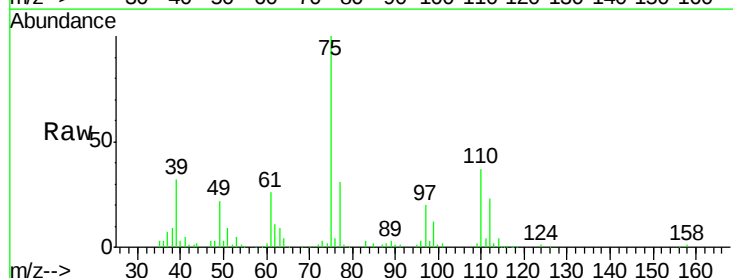
RT: 11.29 min Scan# 1707

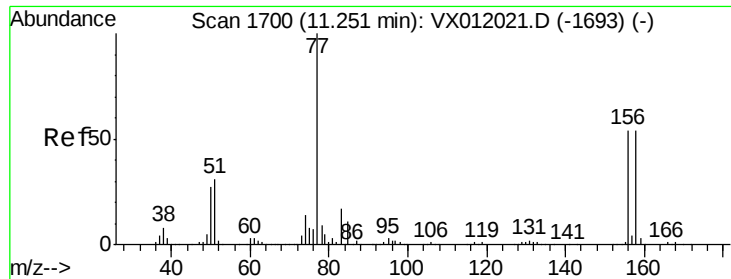
Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion:	75	Resp:	25293
Ion Ratio	Lower	Upper	
75	100		
77	43.6	23.5	70.5





#77

Bromobenzene

Concen: 25.943 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

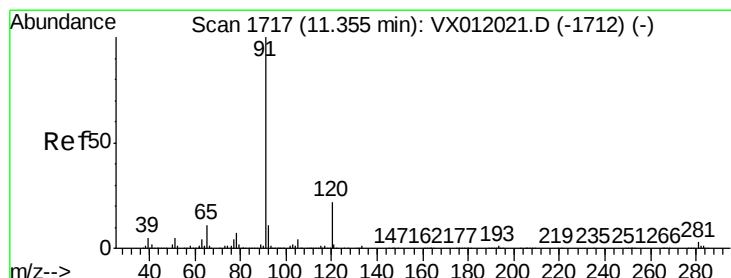
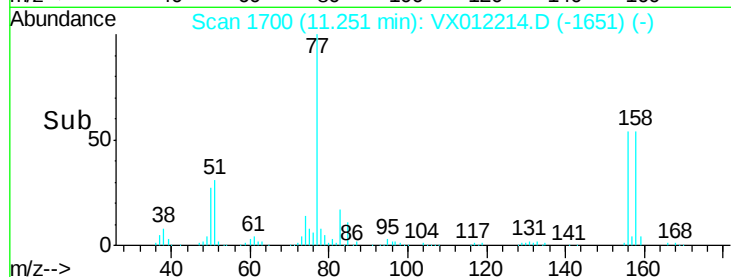
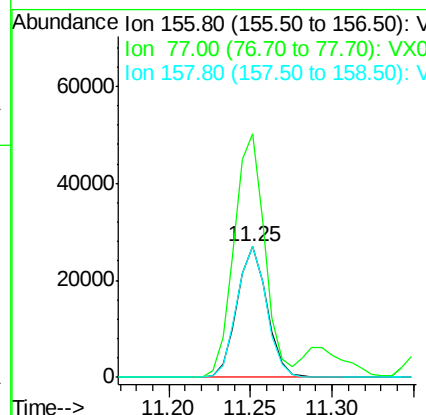
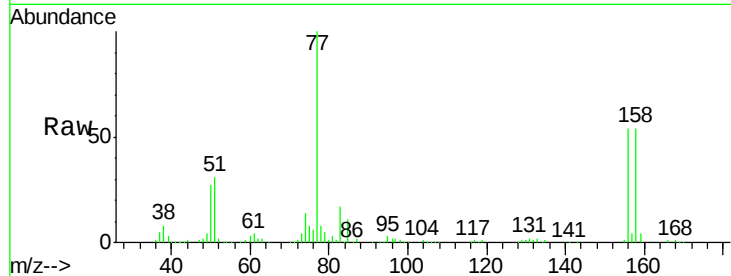
ClientSampleId :

VX0908SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.0	63.4	190.2
158	98.9	48.9	146.6

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#78

n-propylbenzene

Concen: 25.197 ug/l

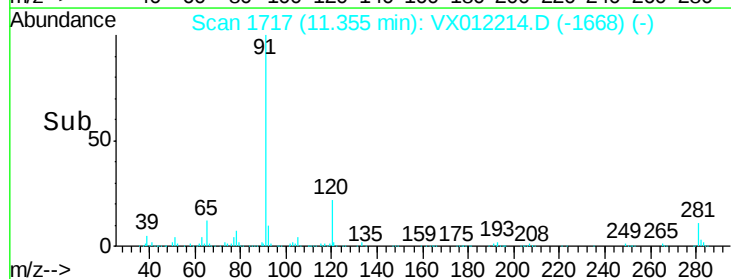
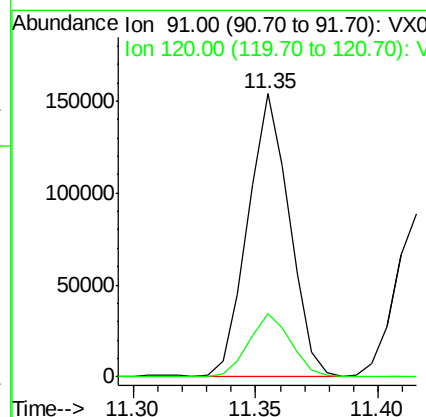
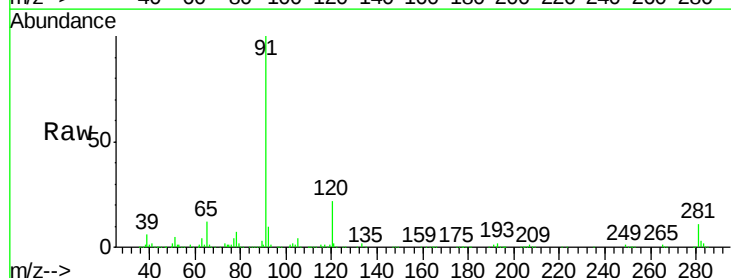
RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	12.7	38.0





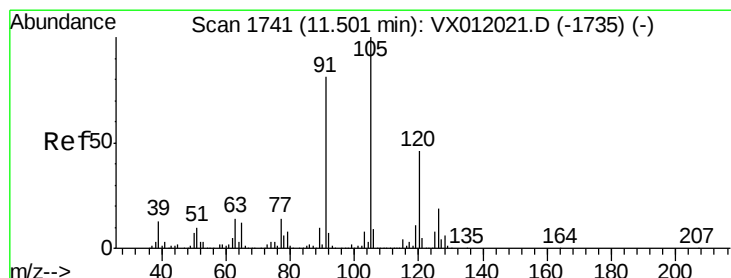
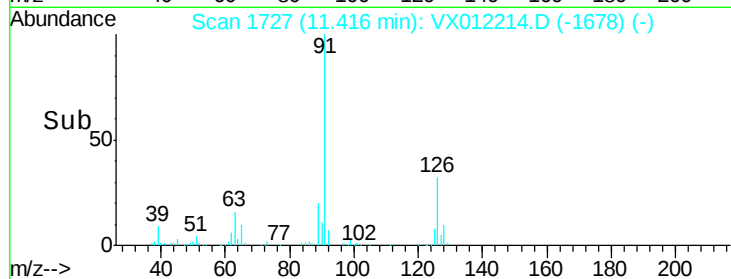
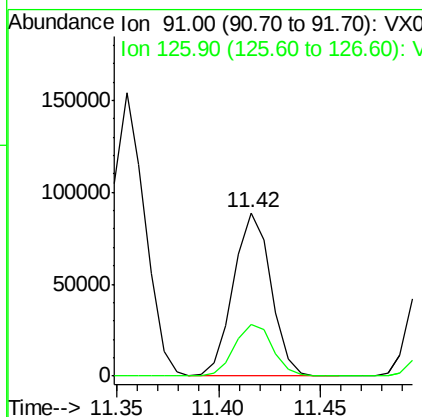
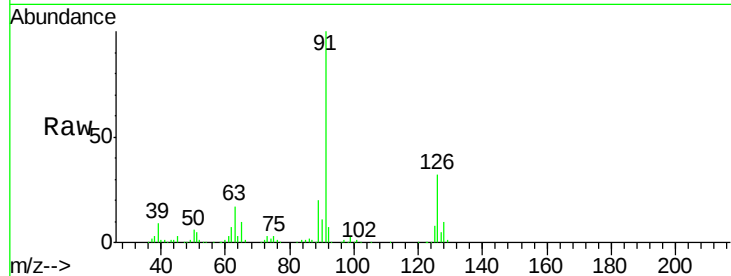
#79
 2-Chlorotoluene
 Concen: 25.691 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.5	18.6	55.8

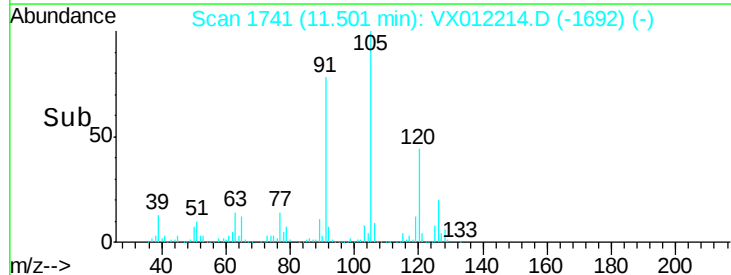
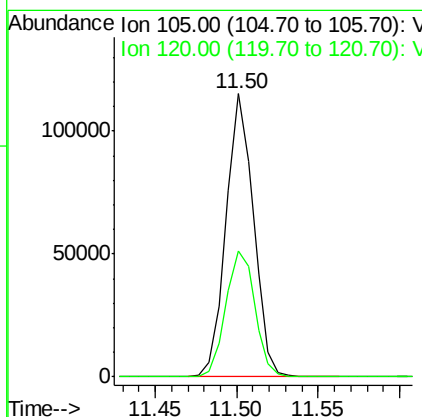
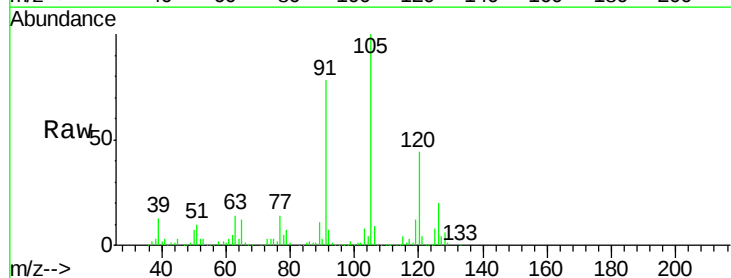
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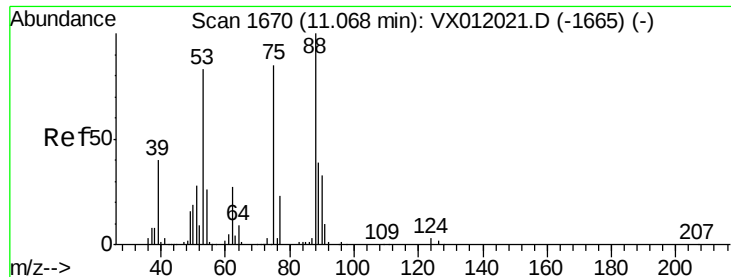
MMDadoda
 9/9/2019 8:43:13 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 25.683 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	25.8	77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 22.092 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

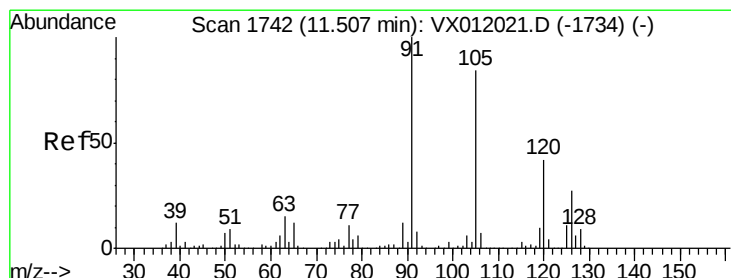
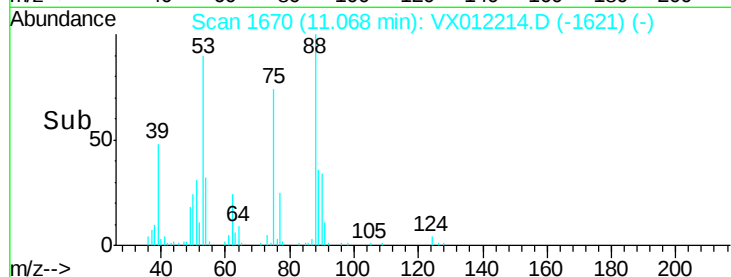
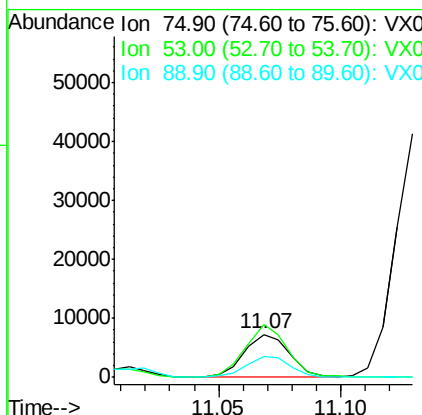
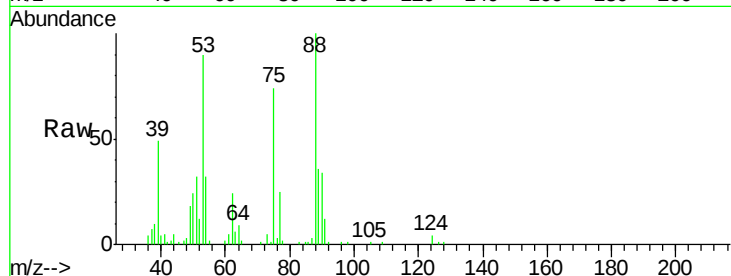
ClientSampleId :

VX0908SBS01

Tot Ion:	75	Resp:	9307
Ion	Ratio	Lower	Upper
75	100		
53	115.9	78.6	117.8
89	49.3	38.8	58.2

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#82

4-Chlorotoluene

Concen: 26.016 ug/l

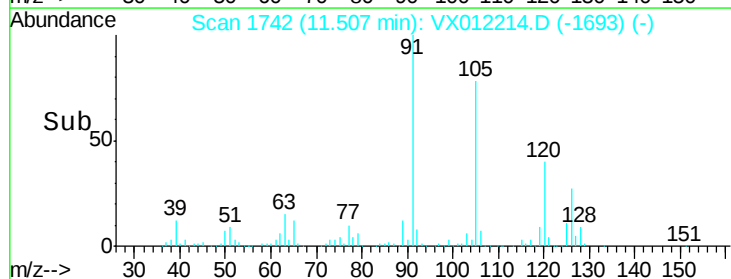
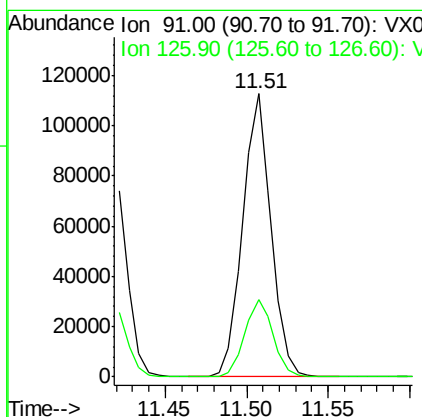
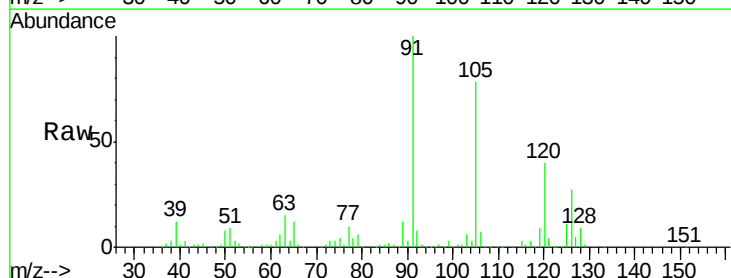
RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion:	91	Resp:	135735
Ion	Ratio	Lower	Upper
91	100		
126	27.6	16.2	48.6





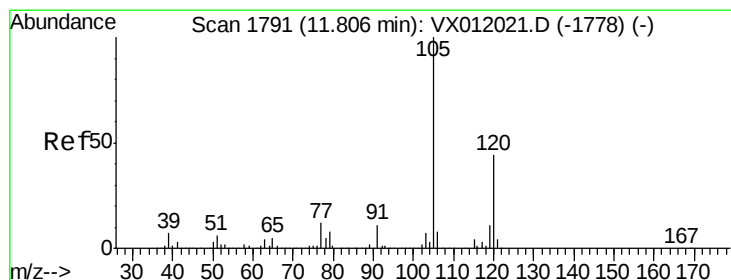
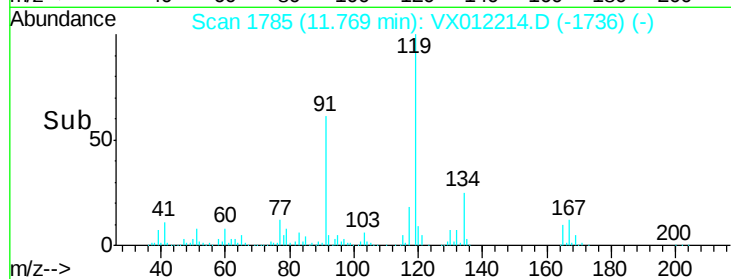
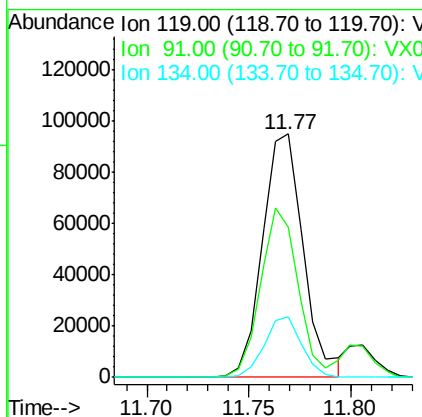
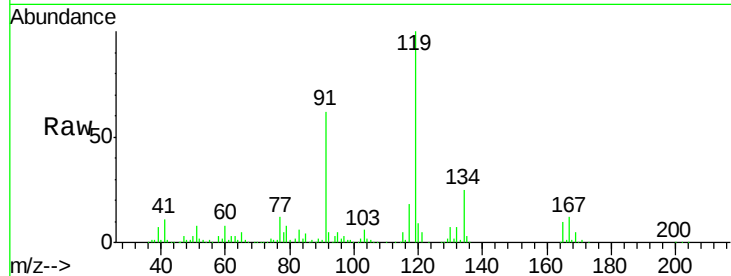
#83
 tert-Butylbenzene
 Concen: 26.489 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	132328		
91	63.6	27.1	81.2	
134	22.9	12.1	36.3	

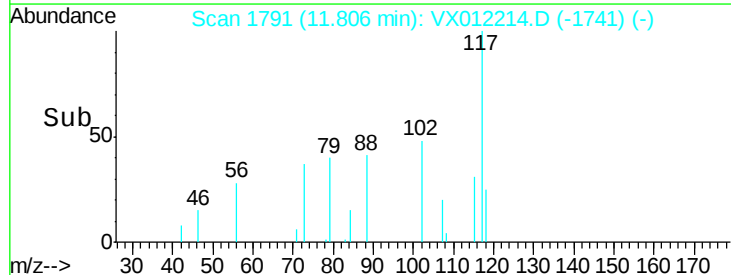
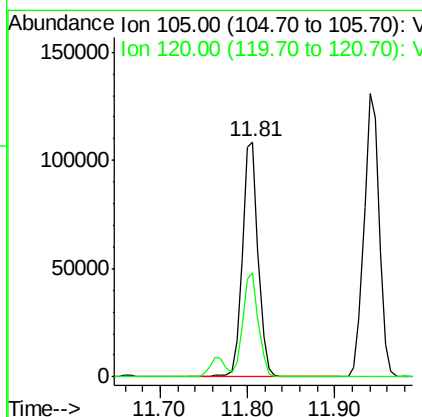
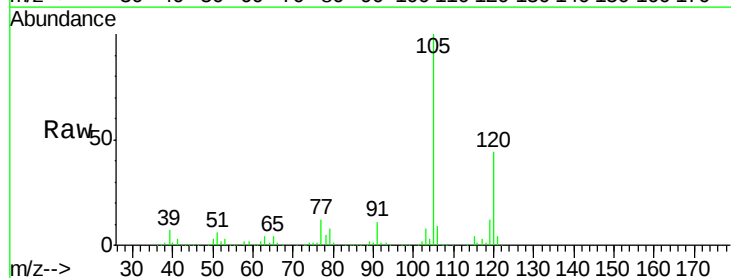
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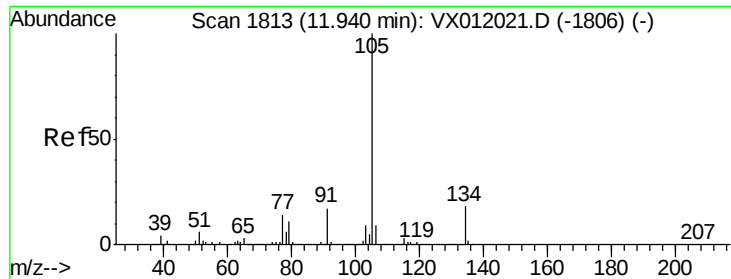
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 9/9/2019 8:43:13 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 25.423 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	136949		
120	43.3	23.6	70.8	





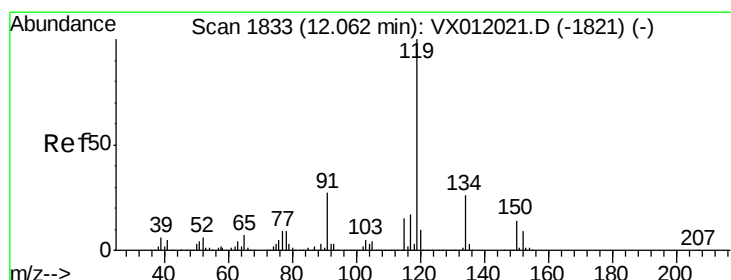
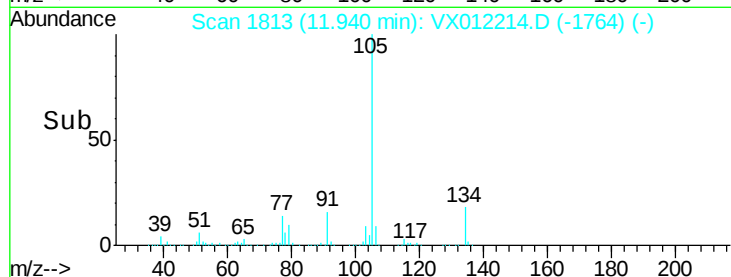
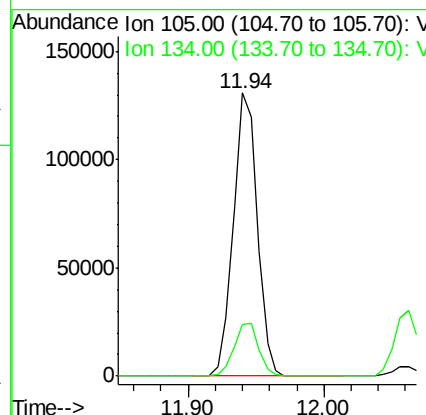
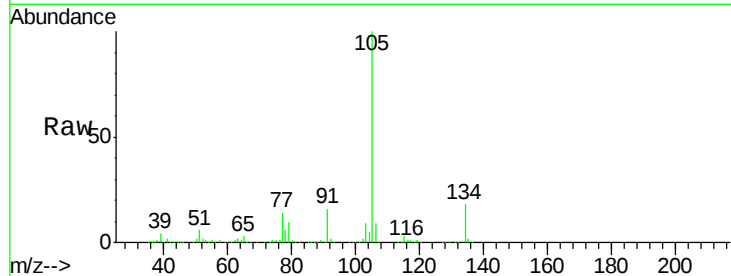
#85
 sec-Butylbenzene
 Concen: 25.766 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	11.2	33.6

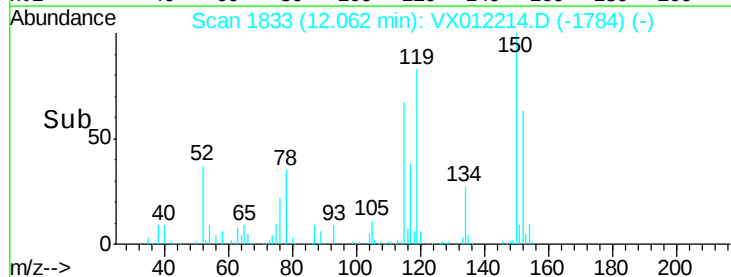
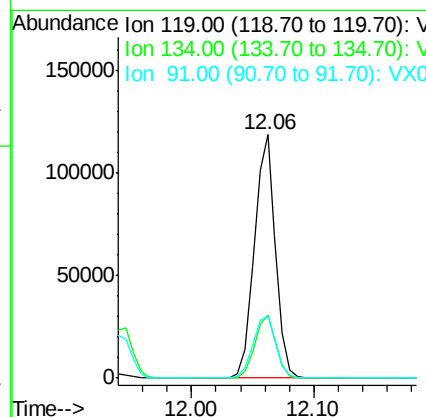
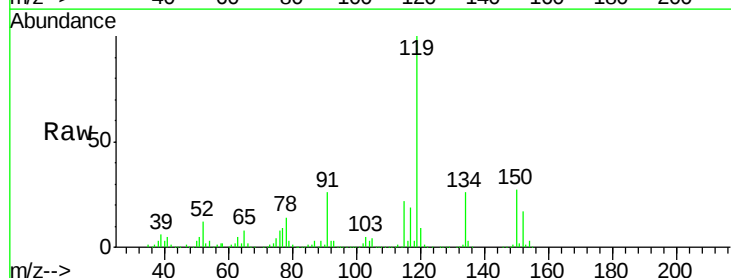
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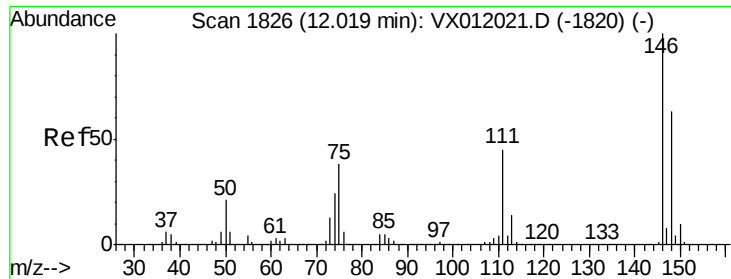
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#86
 p-Isopropyltoluene
 Concen: 25.175 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.7	41.1
91	27.3	11.4	34.1





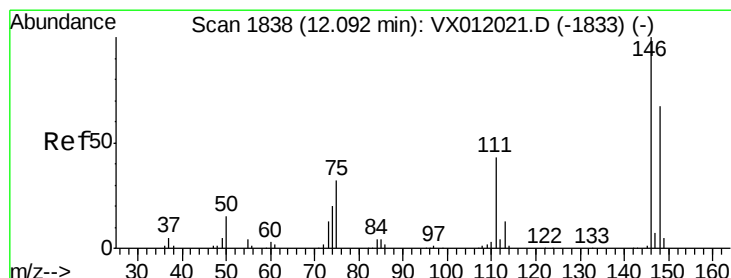
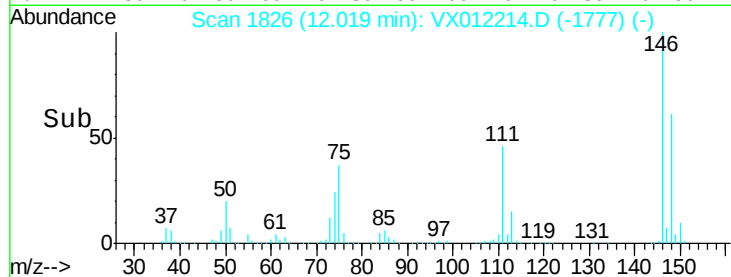
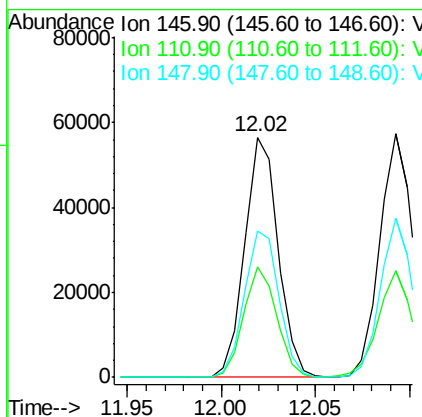
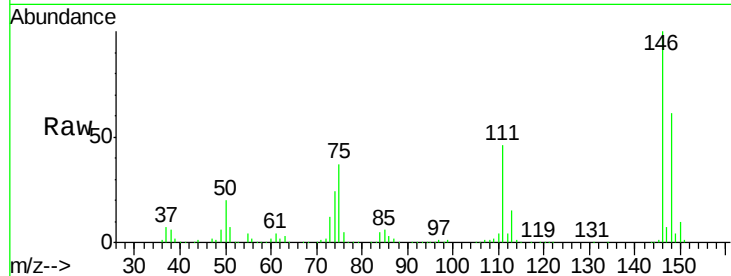
#87
 1,3-Dichlorobenzene
 Concen: 26.005 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	18.1	54.1
148	63.2	32.6	97.8

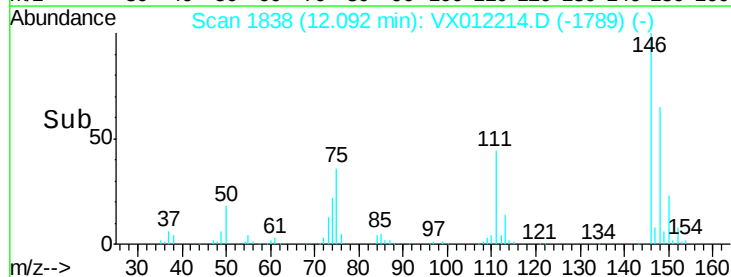
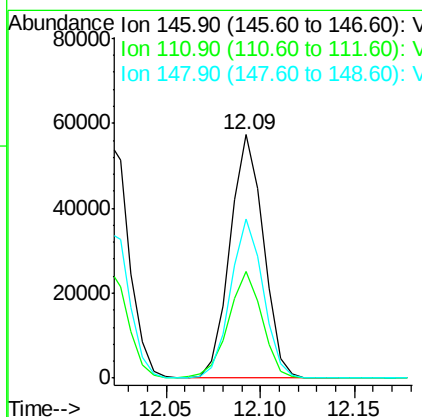
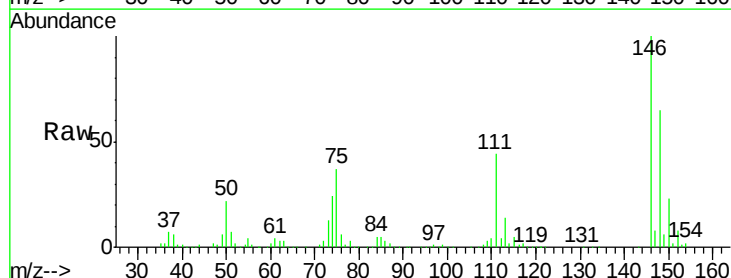
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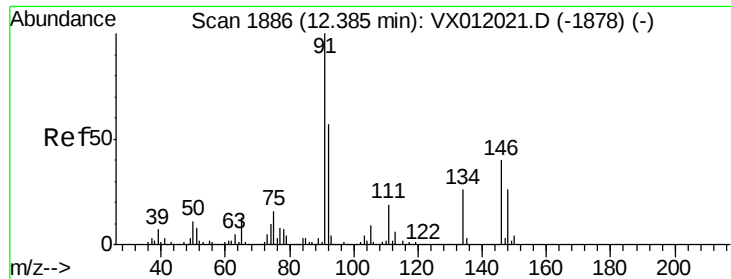
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#88
 1,4-Dichlorobenzene
 Concen: 26.357 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	17.7	53.1
148	64.0	32.4	97.0





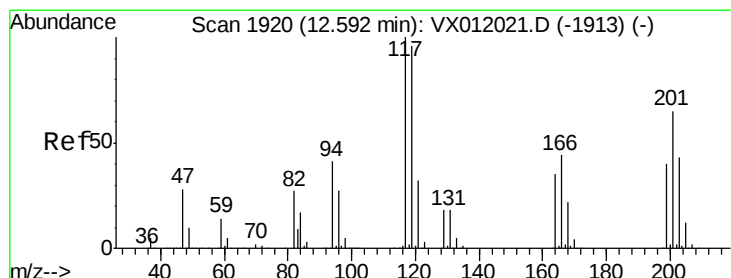
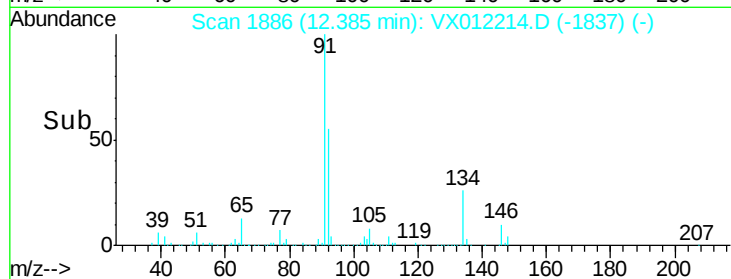
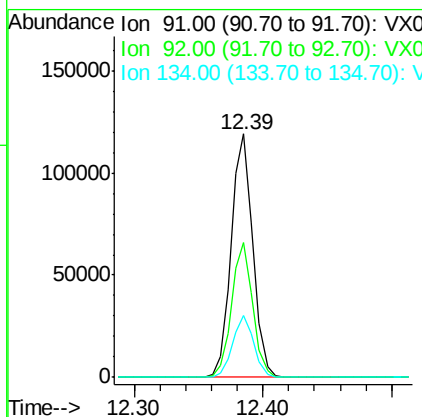
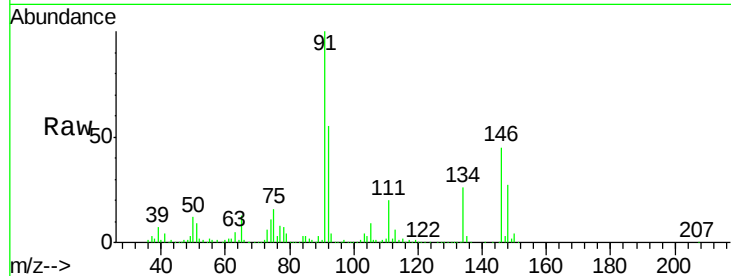
#89
n-Butylbenzene
Concen: 25.587 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	140258		
92	53.8		27.6	82.8
134	24.8		15.4	46.1

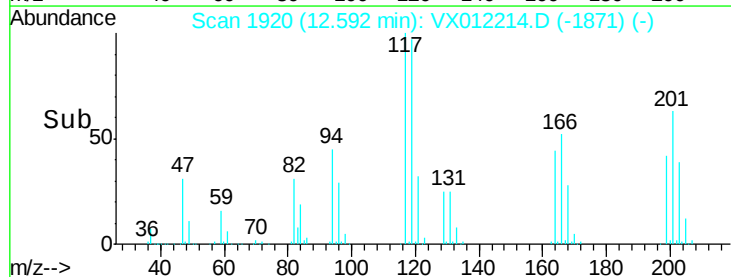
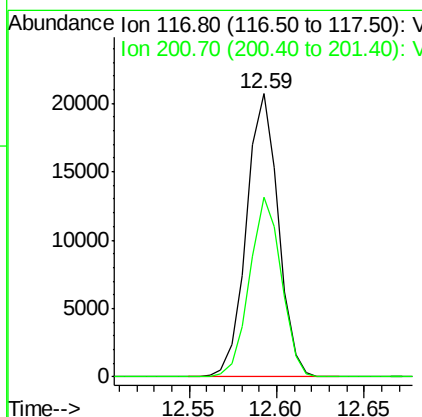
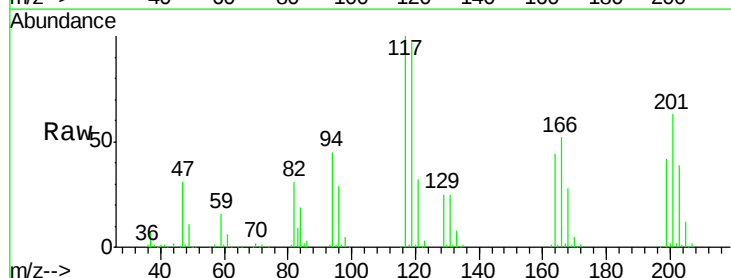
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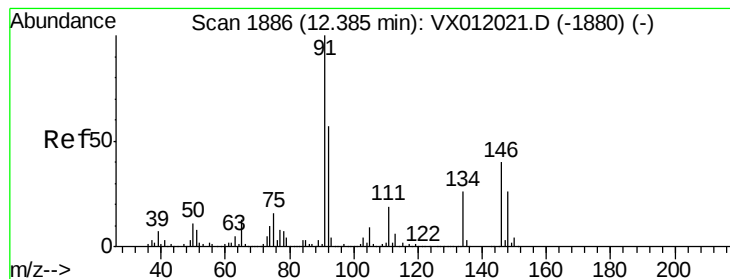
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#90
Hexachloroethane
Concen: 23.220 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26162		
201	63.8		55.0	165.2





#91

1,2-Dichlorobenzene

Concen: 27.655 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Instrument :

MSVOA_X

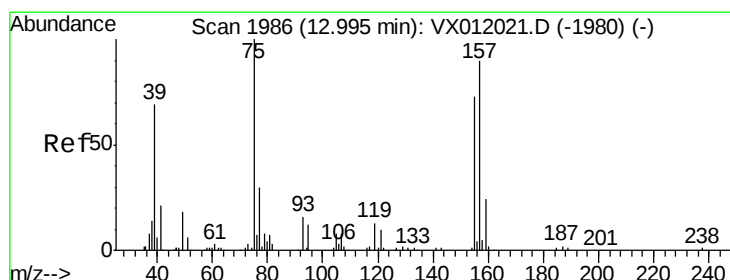
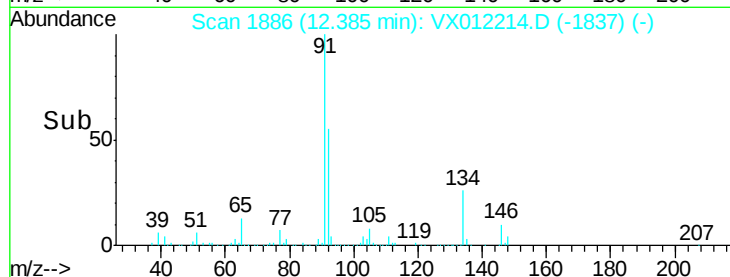
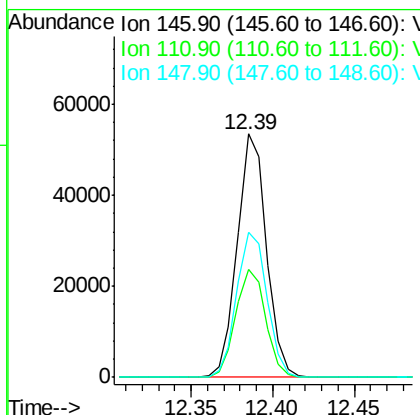
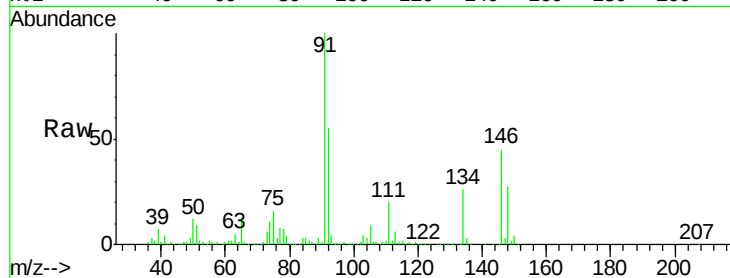
ClientSampleId :

VX0908SBS01

Tot Ion:	146	Resp:	66758
Ion	Ratio	Lower	Upper
146	100		
111	45.6	18.6	56.0
148	62.4	32.4	97.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 24.537 ug/l

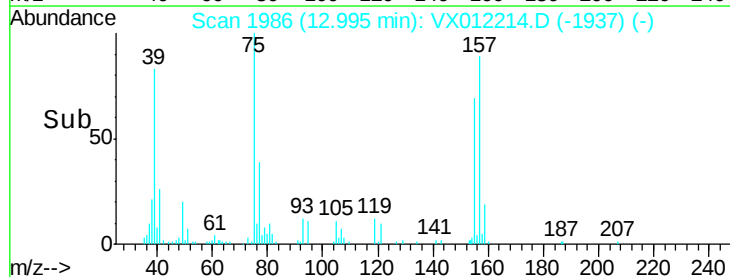
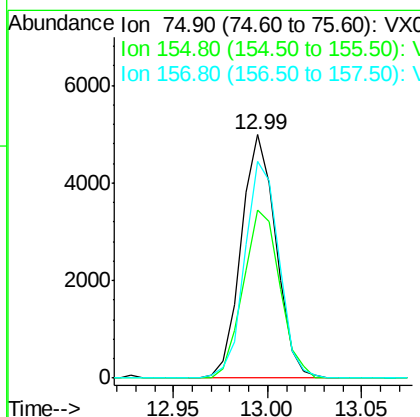
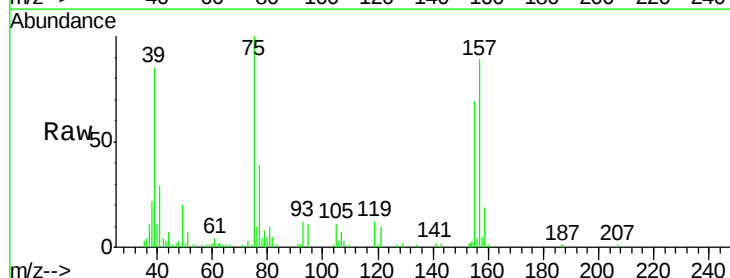
RT: 12.99 min Scan# 1986

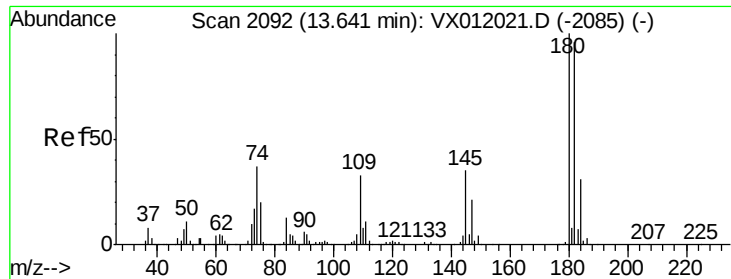
Delta R.T. -0.00 min

Lab File: VX012214.D

Acq: 08 Sep 2019 11:05

Tgt Ion:	75	Resp:	6402
Ion	Ratio	Lower	Upper
75	100		
155	72.4	51.7	155.2
157	87.2	66.9	200.7





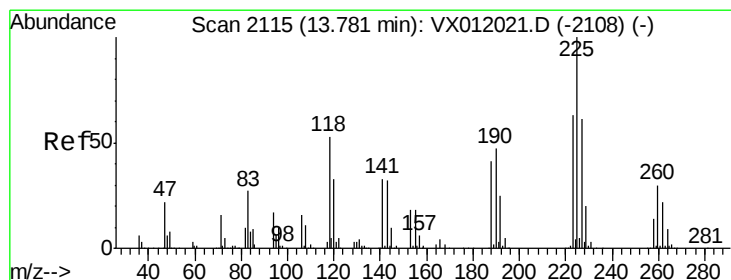
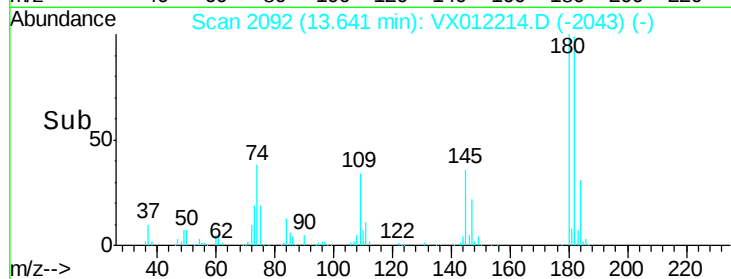
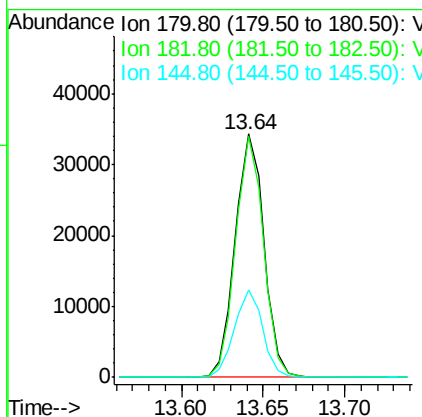
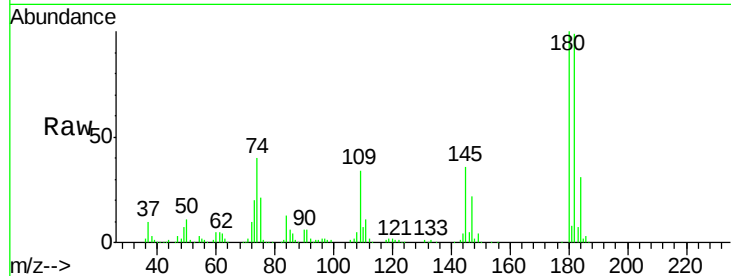
#93
 1,2,4-Trichlorobenzene
 Concen: 24.569 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0908SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42214		
182	95.8	47.3	142.0	
145	35.2	13.7	41.0	

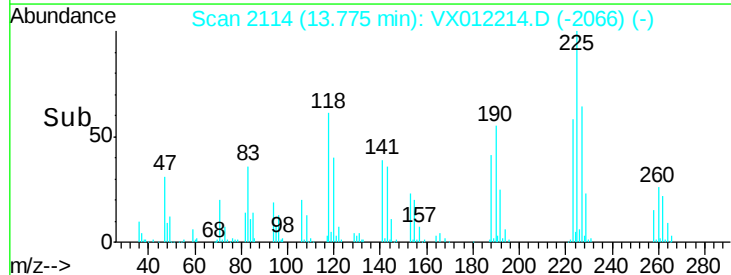
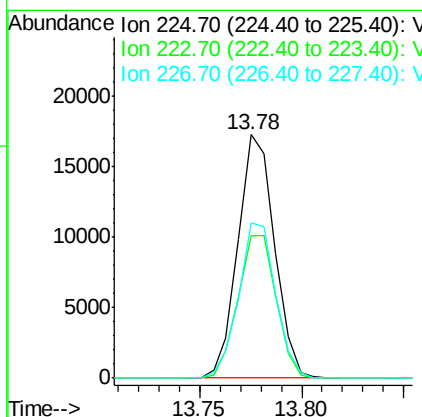
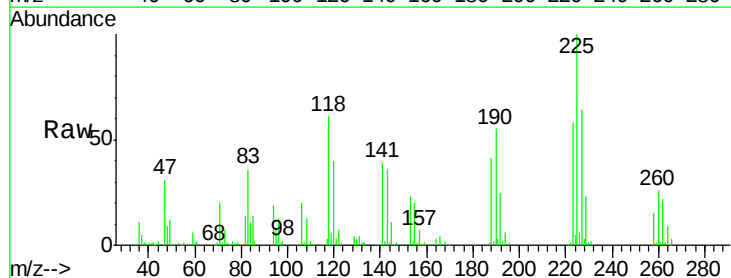
Manual Integrations
 APPROVED

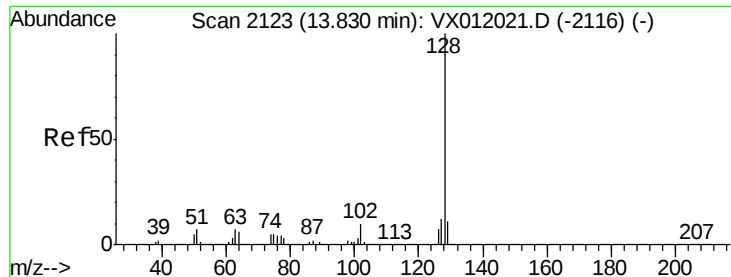
MMDadoda
 9/9/2019 8:43:13 AM



#94
 Hexachlorobutadiene
 Concen: 24.747 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012214.D
 Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21433		
223	61.3	31.6	95.0	
227	64.5	32.5	97.5	





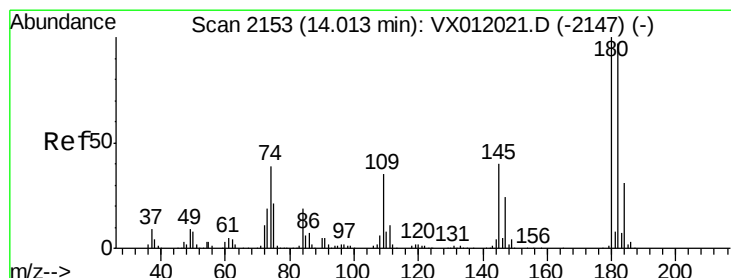
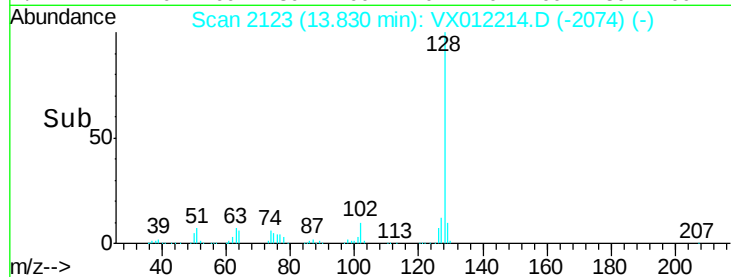
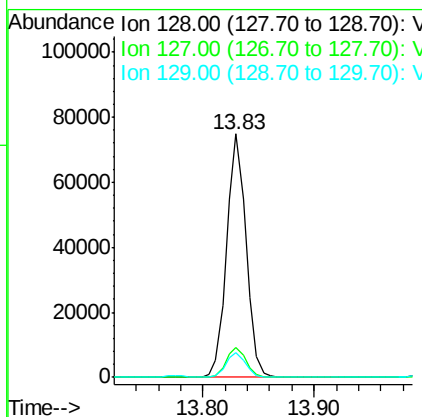
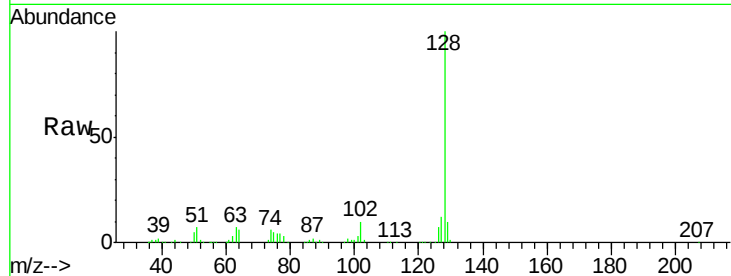
#95
Naphthalene
Concen: 24.267 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Instrument :
MSVOA_X
ClientSampleId :
VX0908SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/9/2019 8:43:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 25.044 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX012214.D
Acq: 08 Sep 2019 11:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.6
145	37.4	14.1	42.4

