

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101019\
 Data File : VY000262.D
 Acq On : 10 Oct 2019 18:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:34:25 PM

Quant Time: Oct 11 07:11:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 02:22:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	235733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	409318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	364745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	177084	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	159686	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.74	113	125846	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.19	98	488263	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	12.48	95	175876	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	114635	48.711	ug/l	98
3) Chloromethane	2.12	50	157834	49.248	ug/l	99
4) Vinyl Chloride	2.25	62	164139	49.605	ug/l	97
5) Bromomethane	2.62	94	112898m	54.077	ug/l	
6) Chloroethane	2.78	64	105155	50.314	ug/l	97
7) Trichlorofluoromethane	3.12	101	209150	48.912	ug/l	98
8) Diethyl Ether	3.54	74	92808	47.471	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	119621	47.915	ug/l	100
10) Methyl Iodide	4.09	142	202066	49.834	ug/l	100
11) Tert butyl alcohol	4.97	59	428159	259.942	ug/l	100
12) 1,1-Dichloroethene	3.88	96	127769	49.297	ug/l	97
13) Acrolein	3.73	56	215011	248.680	ug/l	99
14) Allyl chloride	4.49	41	220822	50.563	ug/l	98
15) Acrylonitrile	5.18	53	750849	258.236	ug/l	100
16) Acetone	3.95	43	660690	275.143	ug/l	95
17) Carbon Disulfide	4.19	76	368250	48.208	ug/l	99
18) Methyl Acetate	4.49	43	345102	52.442	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	477278	50.336	ug/l	100
20) Methylene Chloride	4.72	84	148109	46.951	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	142093	48.736	ug/l	99
22) Diisopropyl ether	6.13	45	523163	51.706	ug/l	97
23) Vinyl Acetate	6.07	43	2428493	242.761	ug/l	100
24) 1,1-Dichloroethane	6.03	63	254038	49.223	ug/l	98
25) 2-Butanone	7.00	43	1222982	275.306	ug/l	100
26) 2,2-Dichloropropane	7.00	77	213774	45.886	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	165281	48.127	ug/l	99
28) Bromochloromethane	7.35	49	99835	58.771	ug/l	100
29) Tetrahydrofuran	7.36	42	839239	267.502	ug/l	100
30) Chloroform	7.52	83	263474	49.191	ug/l	97
31) Cyclohexane	7.79	56	238030	45.662	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	224694	49.344	ug/l	99
36) 1,1-Dichloropropene	7.93	75	193365	46.429	ug/l	100
37) Ethyl Acetate	7.09	43	374869	49.789	ug/l	100
38) Carbon Tetrachloride	7.91	117	194293	47.866	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	238348	45.619	ug/l	95
40) Benzene	8.17	78	613849	48.588	ug/l	100
41) Methacrylonitrile	7.35	41	286356m	48.321	ug/l	
42) 1,2-Dichloroethane	8.25	62	209929	51.157	ug/l	100
43) Isopropyl Acetate	8.28	43	491954	50.763	ug/l	100
44) Trichloroethene	8.95	130	162118	47.320	ug/l	95
45) 1,2-Dichloropropane	9.22	63	156401	49.424	ug/l	95
46) Dibromomethane	9.32	93	105107	47.378	ug/l	98
47) Bromodichloromethane	9.50	83	212171	48.893	ug/l	95
48) Methyl methacrylate	9.30	41	218280	49.901	ug/l	99
49) 1,4-Dioxane	9.31	88	113654	1012.157	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	1937817	266.064	ug/l	100
52) Toluene	10.25	92	386324	47.676	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	247727	50.318	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	262295	49.237	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	161019	50.395	ug/l	98
56) Ethyl methacrylate	10.52	69	285967	50.837	ug/l	98
57) 1,3-Dichloropropane	10.80	76	270403	49.565	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	729777	291.055	ug/l	99
59) 2-Hexanone	10.84	43	1675312	259.779	ug/l	99
60) Dibromochloromethane	10.99	129	171630	50.805	ug/l	98
61) 1,2-Dibromoethane	11.10	107	169149	49.839	ug/l	99
64) Tetrachloroethene	10.72	164	156972	47.083	ug/l	95
65) Chlorobenzene	11.52	112	397565	47.036	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	150289	49.736	ug/l	98
67) Ethyl Benzene	11.60	91	732636	48.488	ug/l	99
68) m/p-Xylenes	11.70	106	556804	96.577	ug/l	99
69) o-Xylene	12.03	106	273654	49.269	ug/l	97
70) Styrene	12.05	104	472781	49.417	ug/l	99
71) Bromoform	12.21	173	128294	51.452	ug/l #	99
73) Isopropylbenzene	12.33	105	712729	47.497	ug/l	100
74) N-amyl acetate	12.14	43	396193	50.001	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	258238	50.426	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	236929m	50.676	ug/l	
77) Bromobenzene	12.61	156	166556	47.333	ug/l	99
78) n-propylbenzene	12.67	91	845990	48.267	ug/l	99
79) 2-Chlorotoluene	12.76	91	482404	47.803	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	600665	47.973	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	112391	46.711	ug/l #	91
82) 4-Chlorotoluene	12.86	91	504310	49.340	ug/l	99
83) tert-Butylbenzene	13.08	119	513516	47.186	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	608019	48.603	ug/l	99
85) sec-Butylbenzene	13.25	105	710066	47.336	ug/l	100
86) p-Isopropyltoluene	13.37	119	647598	49.094	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	309112	48.469	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	314904	47.404	ug/l	100
89) n-Butylbenzene	13.70	91	606914	48.820	ug/l	100
90) Hexachloroethane	13.96	117	121162	48.558	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	304901	47.235	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	84930	49.134	ug/l	98

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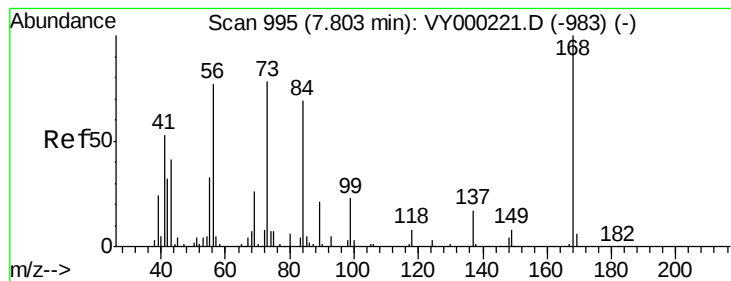
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	204691	46.704	ug/l	99
94) Hexachlorobutadiene	15.11	225	95622	45.656	ug/l	99
95) Naphthalene	15.23	128	810860	49.180	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	205447	48.733	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 235733

Ion Ratio Lower Upper

168 100

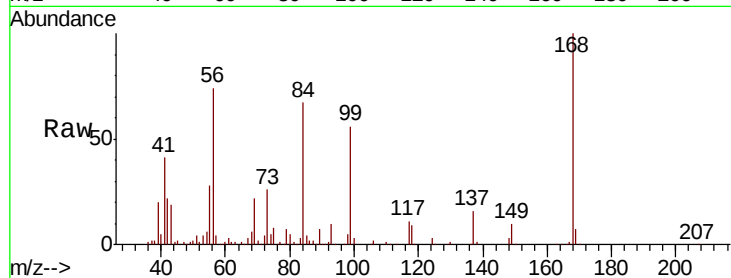
99 55.8 45.0 67.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000221.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000221.D (-983) (-)

7.80

100000

80000

60000

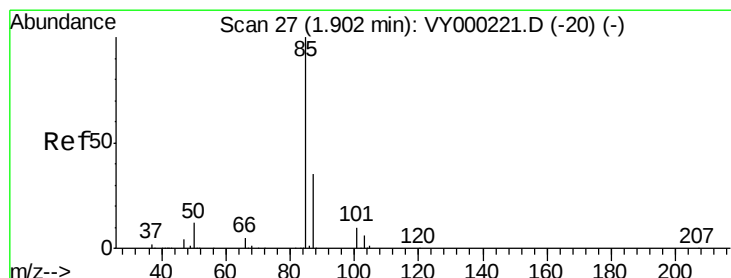
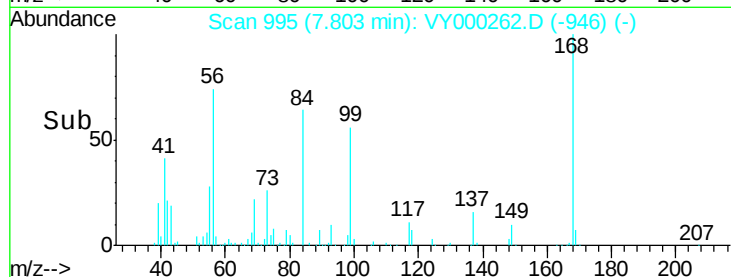
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.711 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000262.D

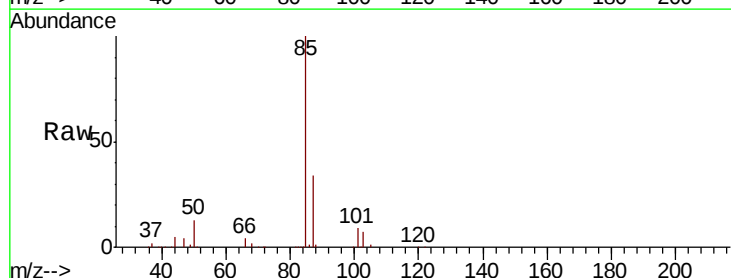
Acq: 10 Oct 2019 18:58

Tgt Ion: 85 Resp: 114635

Ion Ratio Lower Upper

85 100

87 33.6 17.4 52.2



Abundance Ion 84.90 (84.60 to 85.60): VY000221.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000221.D (-20) (-)

1.90

80000

60000

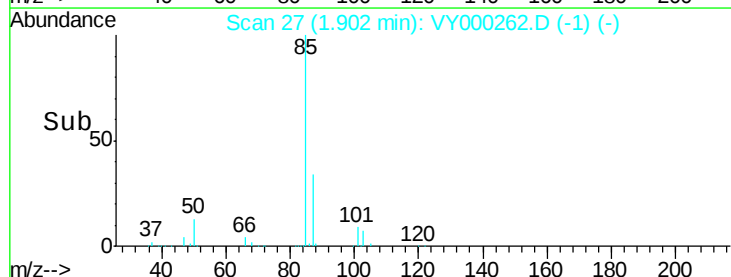
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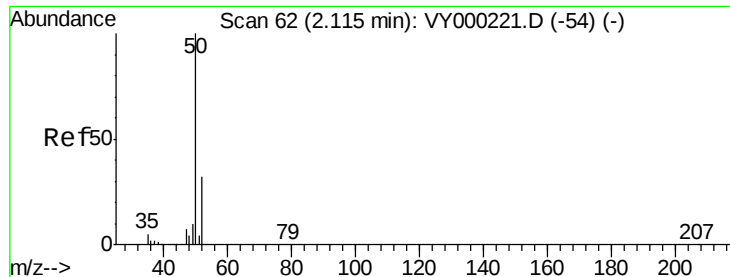
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 49.248 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 157834

Ion Ratio Lower Upper

50 100

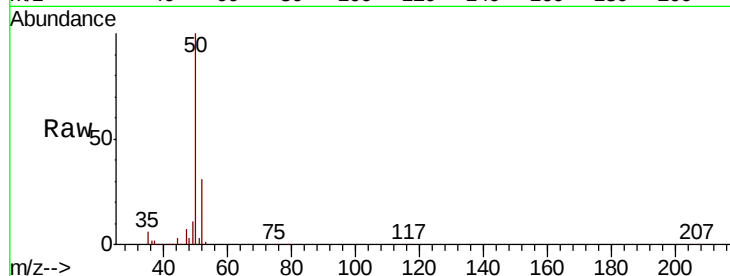
52 31.2 25.4 38.0

Manual Integrations

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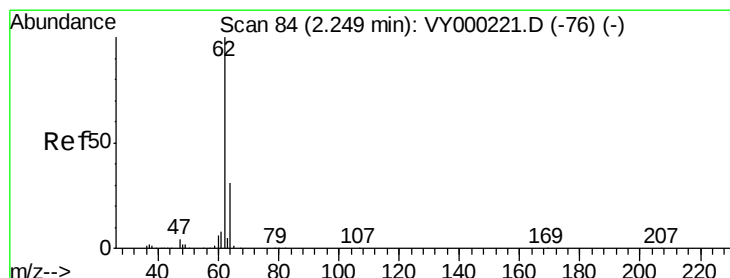
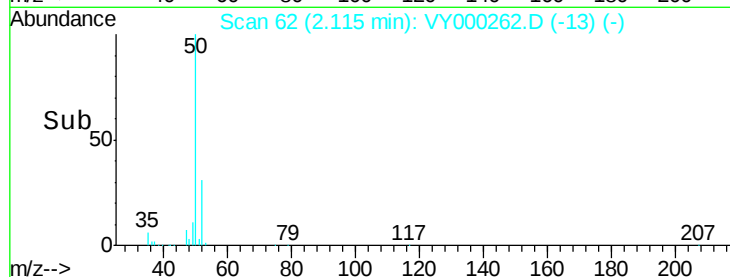
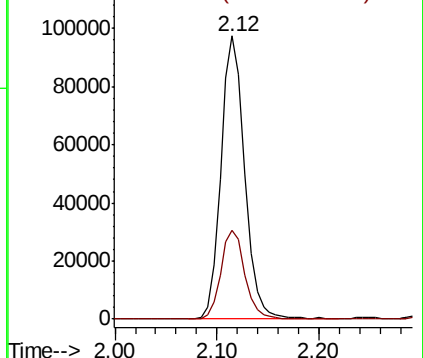
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 49.605 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000262.D

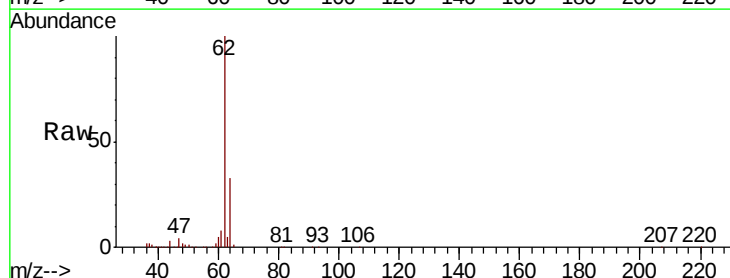
Acq: 10 Oct 2019 18:58

Tgt Ion: 62 Resp: 164139

Ion Ratio Lower Upper

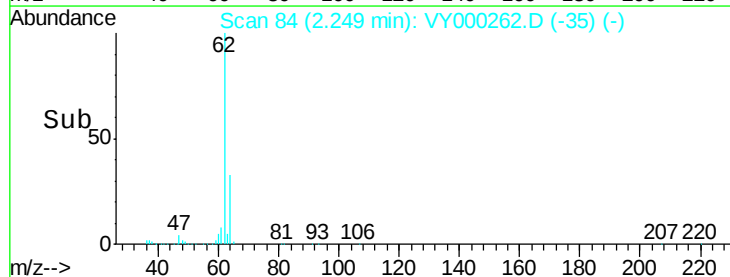
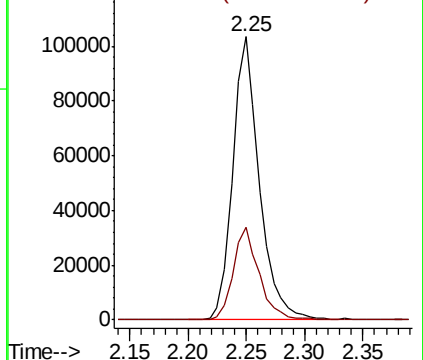
62 100

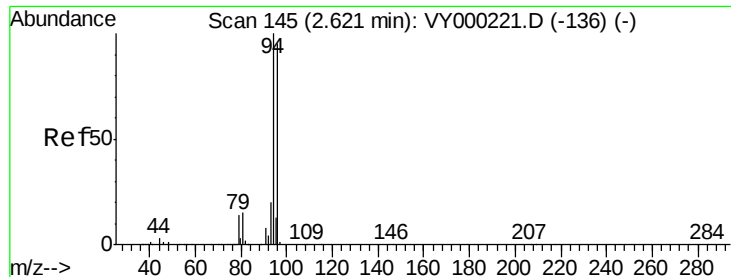
64 32.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 54.077 ug/l m

RT: 2.62 min Scan# 145

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 112898

Ion Ratio Lower Upper

94 100

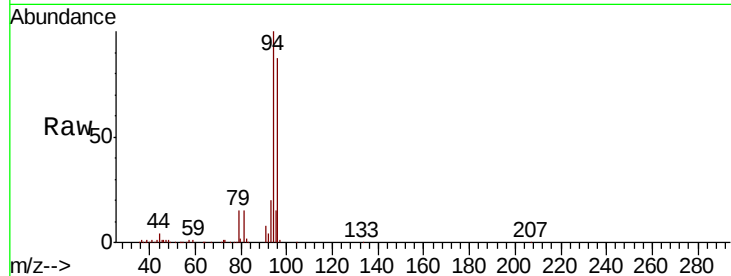
96 86.8 75.7 113.5

Manual Integrations

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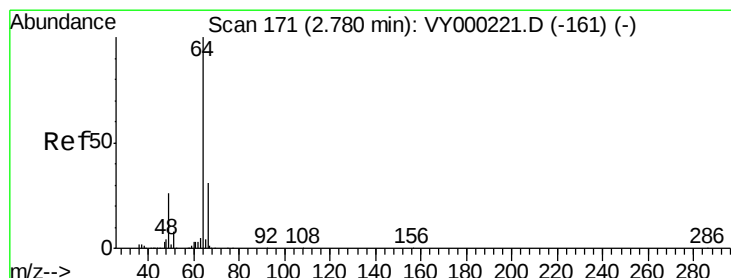
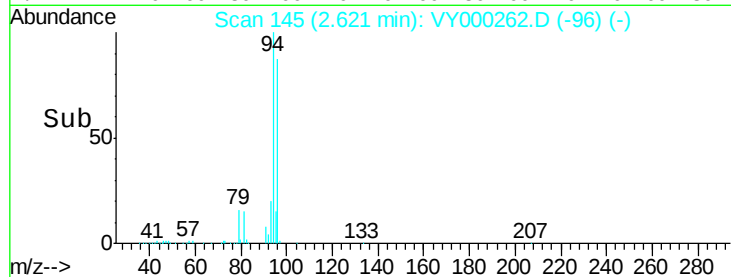
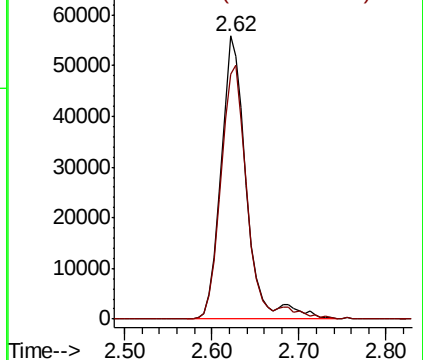
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 50.314 ug/l

RT: 2.78 min Scan# 171

Delta R.T. 0.00 min

Lab File: VY000262.D

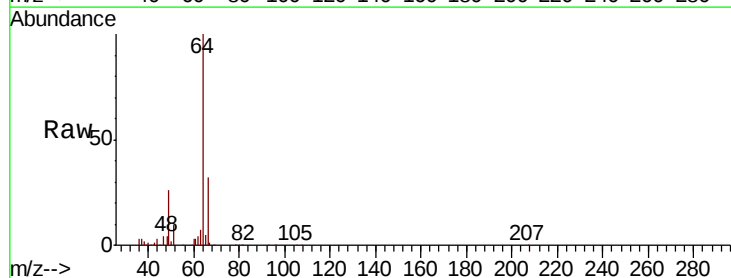
Acq: 10 Oct 2019 18:58

Tgt Ion: 64 Resp: 105155

Ion Ratio Lower Upper

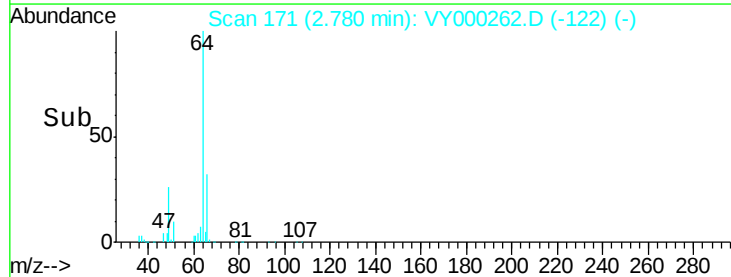
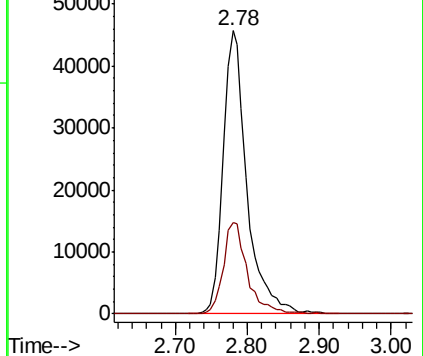
64 100

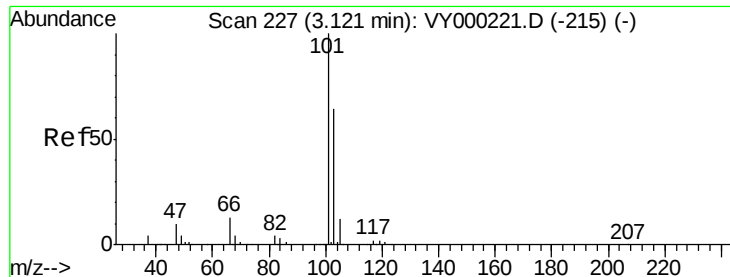
66 32.2 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

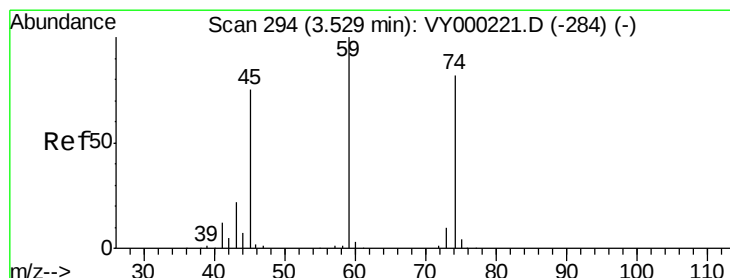
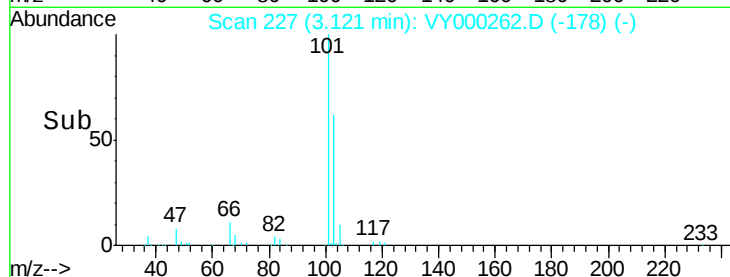
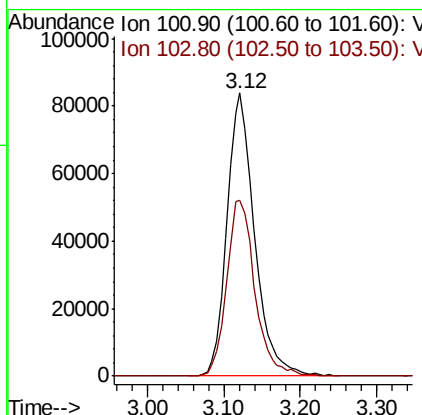
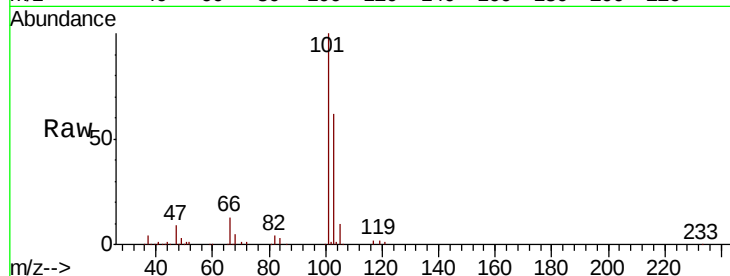
Trichlorofluoromethane
 Concen: 48.912 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	51.0	76.6

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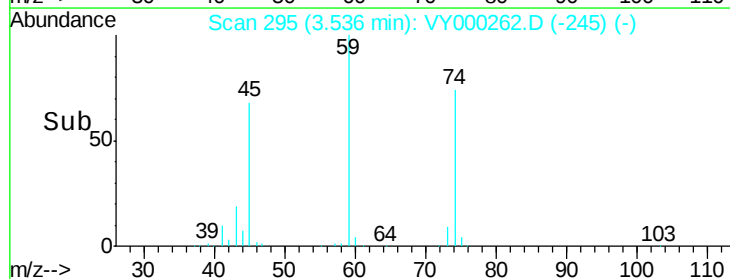
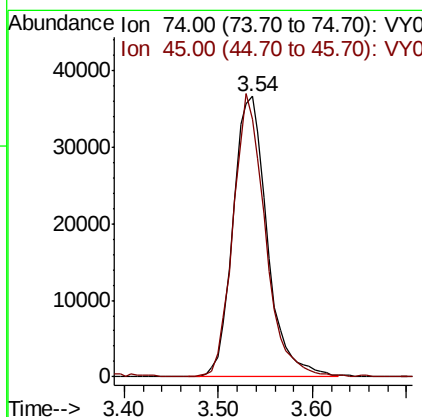
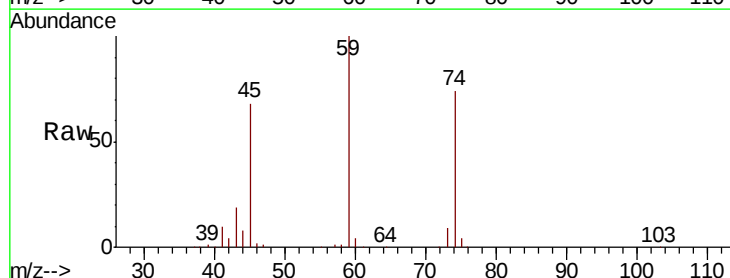
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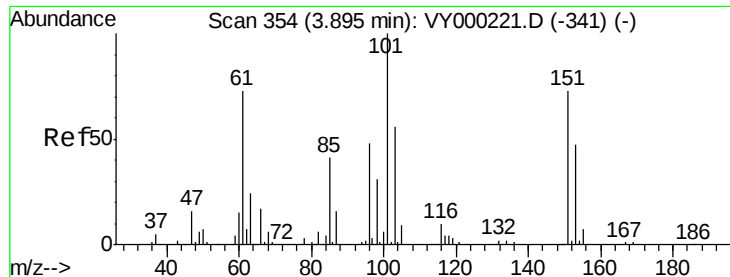


#8

Diethyl Ether
 Concen: 47.471 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	45.8	137.4





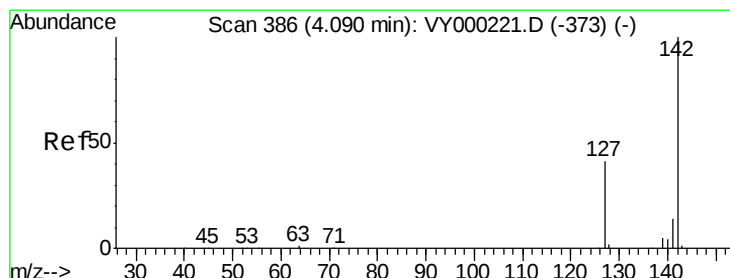
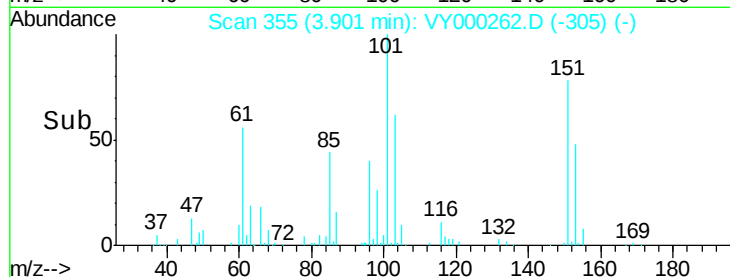
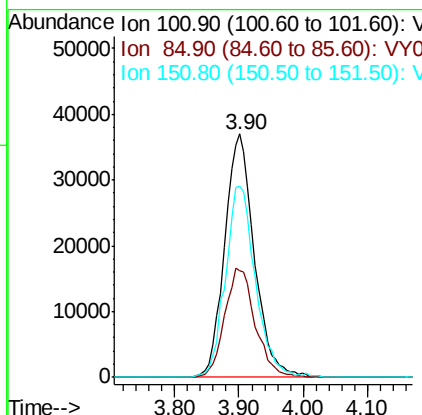
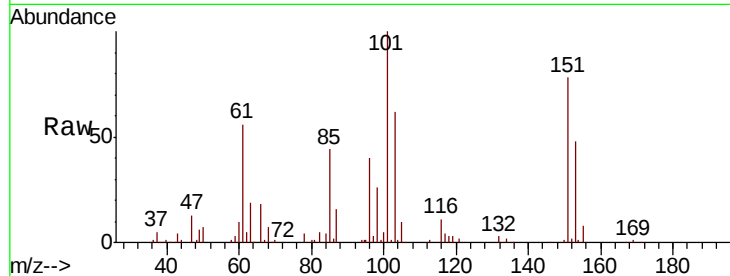
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.915 ug/l
 RT: 3.90 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.0	55.6
151	79.2	63.0	94.4

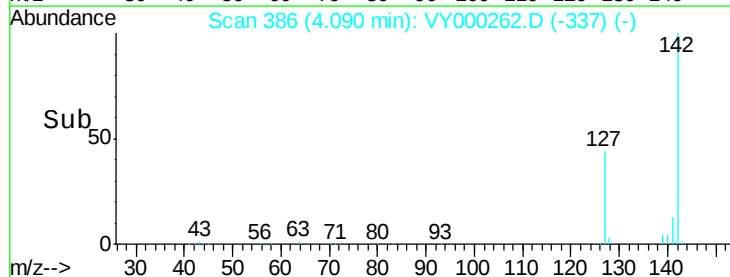
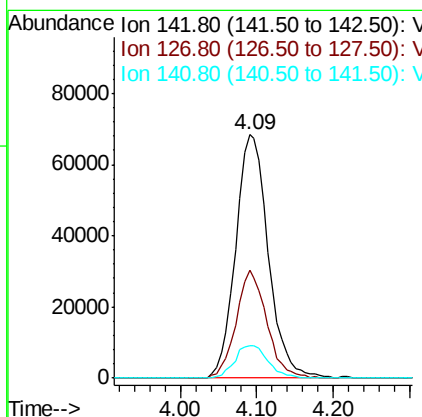
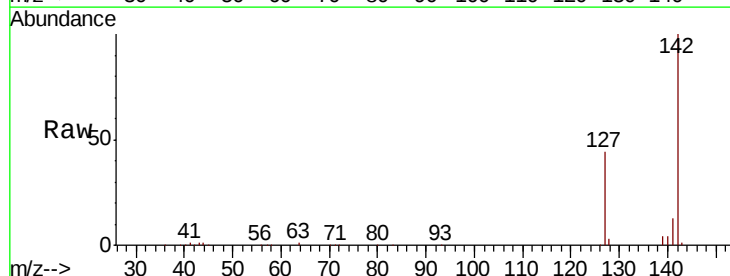
Manual Integrations
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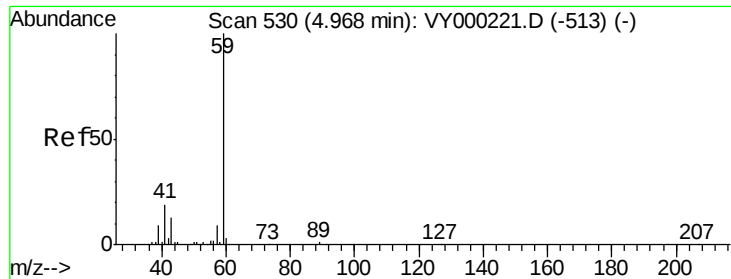
MMDadoda
 10/14/2019 1:34:25 PM



#10
 Methyl Iodide
 Concen: 49.834 ug/l
 RT: 4.09 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.6	33.0	49.6
141	13.8	11.0	16.4





#11

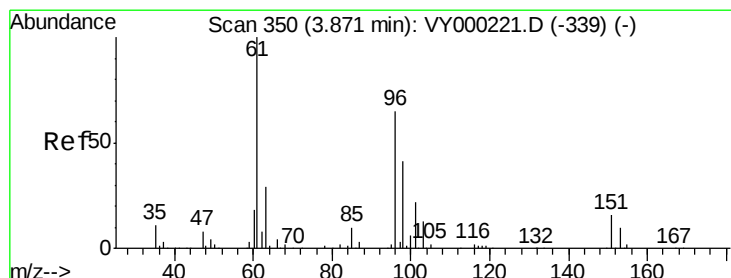
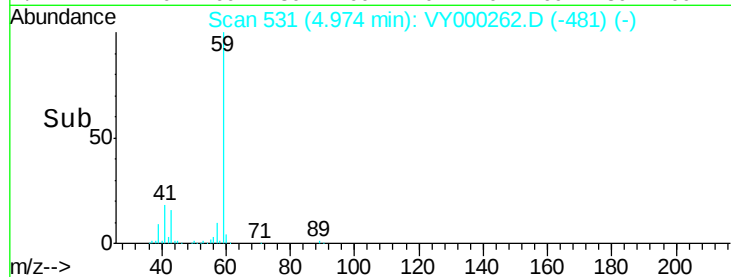
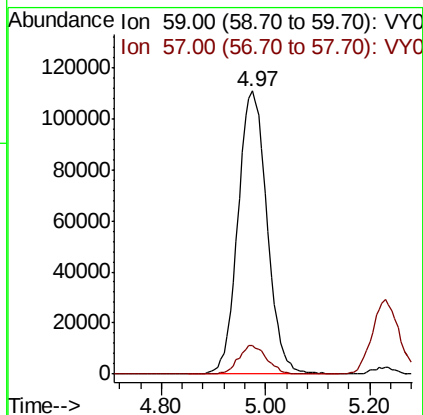
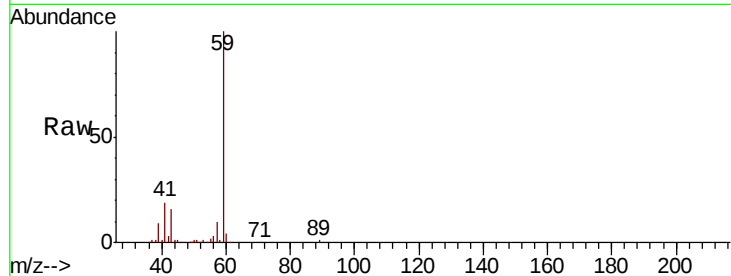
Tert butyl alcohol
Concen: 259.942 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

Manual Integrations
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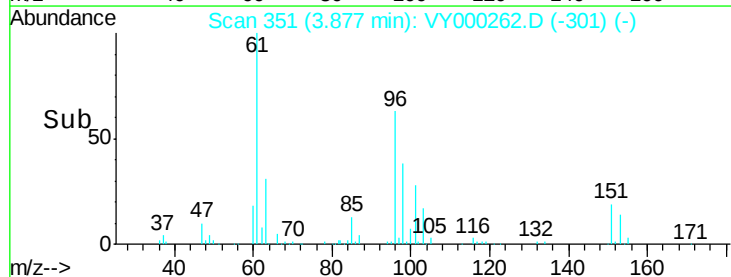
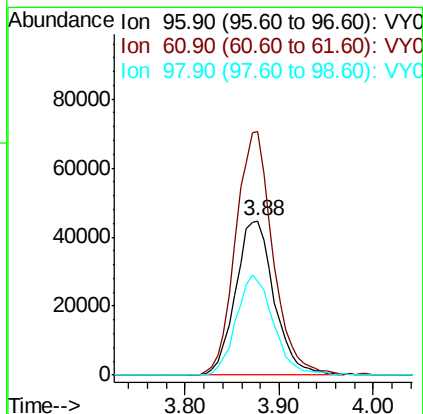
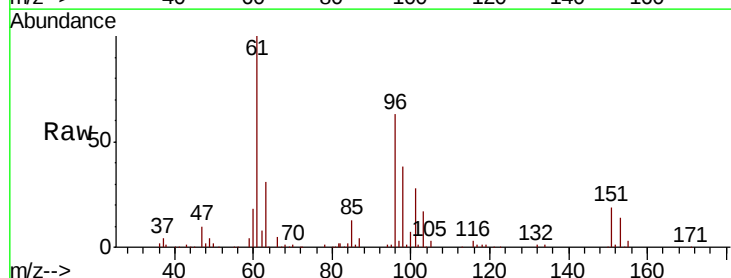
MMDadoda
10/14/2019 1:34:25 PM

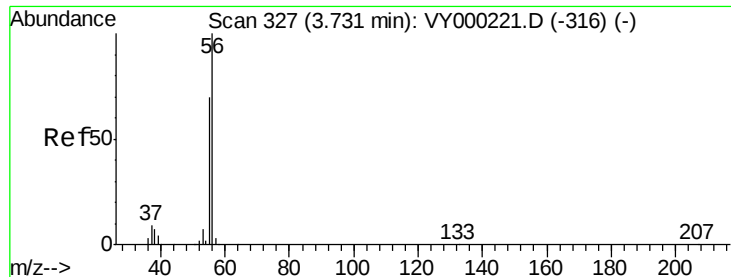


#12

1,1-Dichloroethene
Concen: 49.297 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.01 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.0	123.8	185.8
98	60.7	50.9	76.3





#13

Acrolein

Concen: 248.680 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 215011

Ion Ratio Lower Upper

56 100

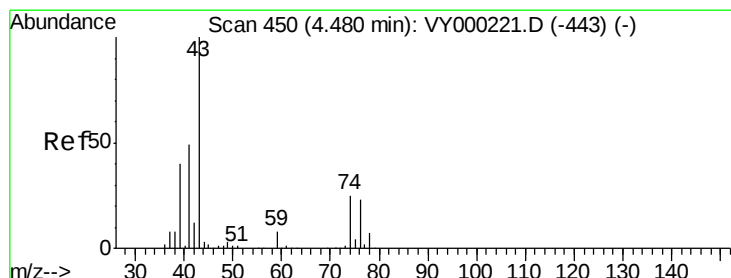
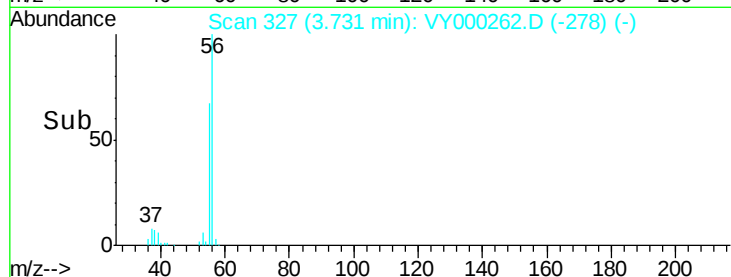
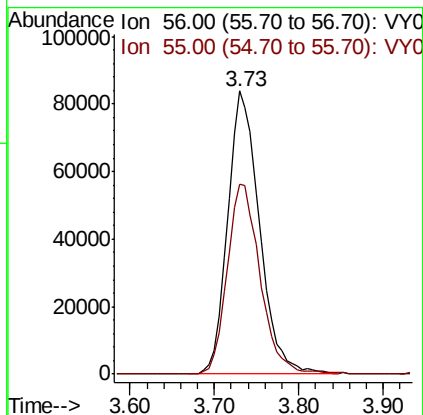
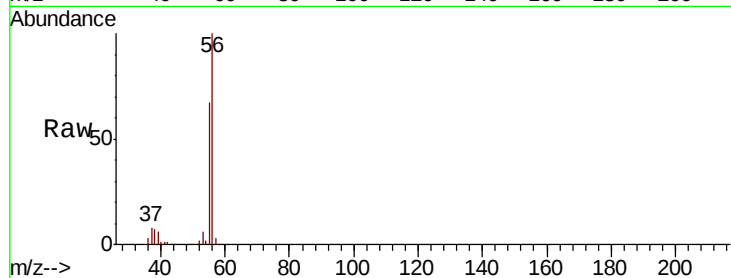
55 69.7 55.2 82.8

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 50.563 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

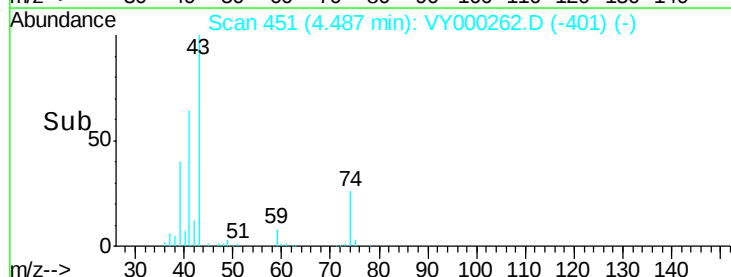
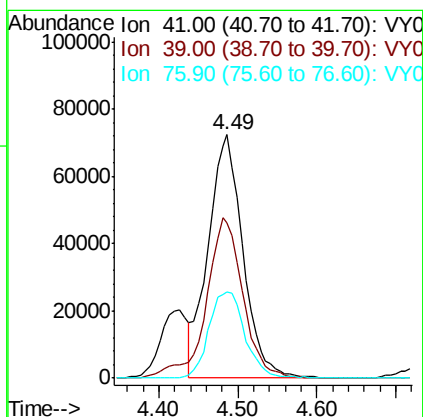
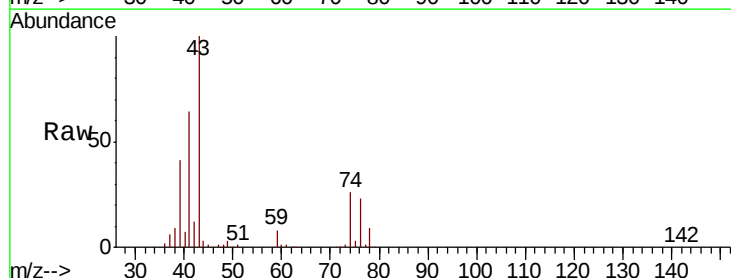
Tgt Ion: 41 Resp: 220822

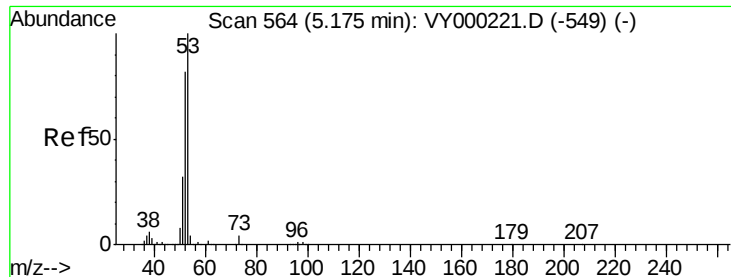
Ion Ratio Lower Upper

41 100

39 69.7 56.4 84.6

76 36.8 30.8 46.2





#15

Acrylonitrile

Concen: 258.236 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

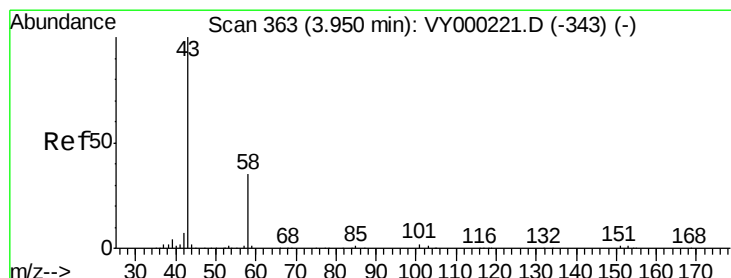
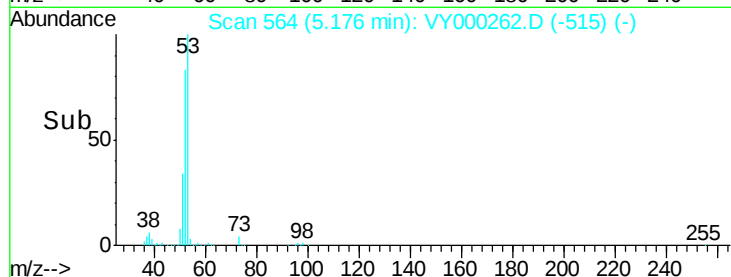
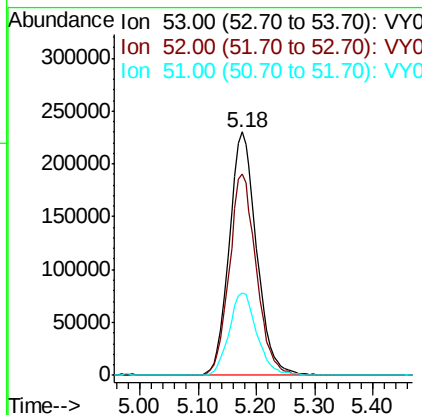
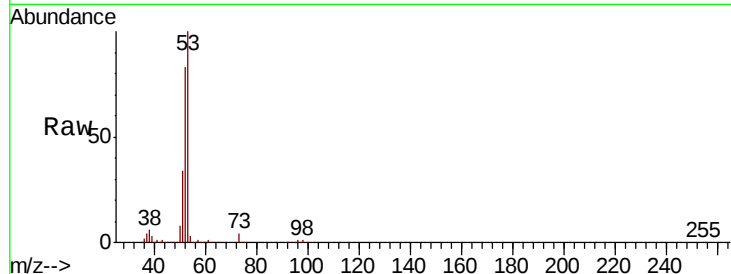
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	750849
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.4	98.2
51	34.4	27.2	40.8

Manual Integrations
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#16

Acetone

Concen: 275.143 ug/l

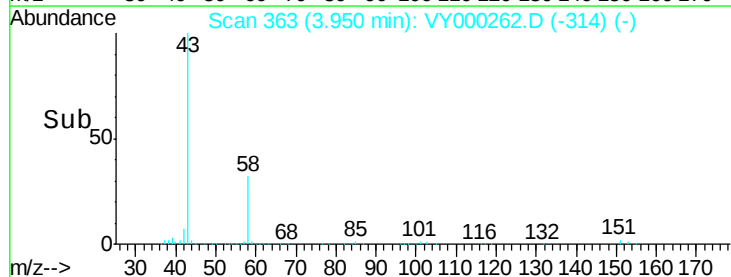
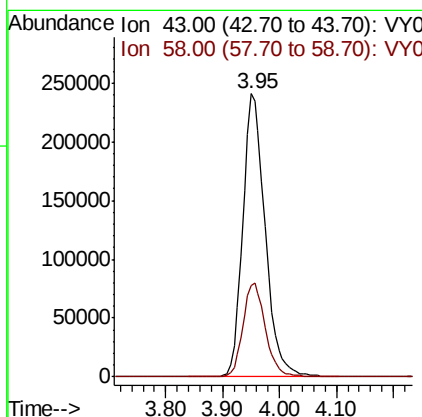
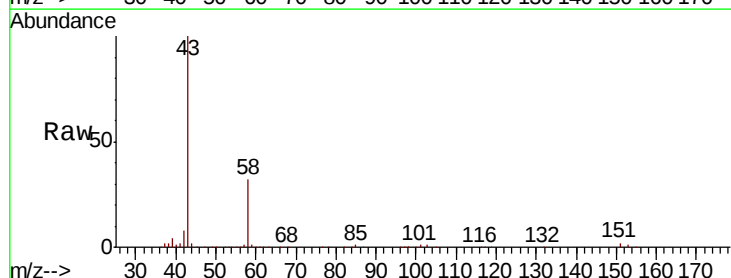
RT: 3.95 min Scan# 363

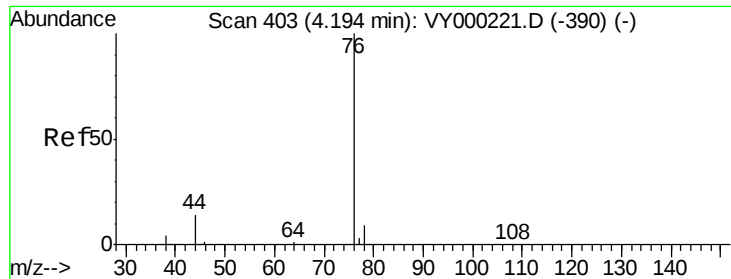
Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Tgt Ion:	43	Resp:	660690
Ion	Ratio	Lower	Upper
43	100		
58	32.4	28.2	42.4





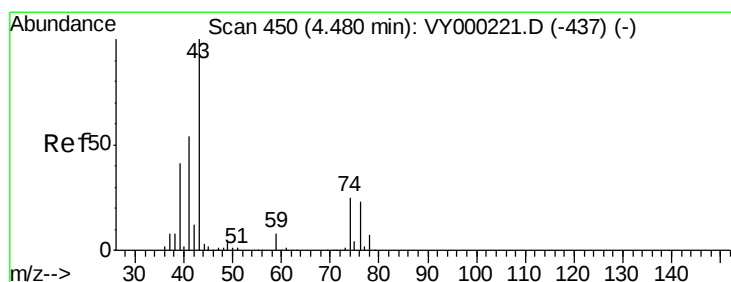
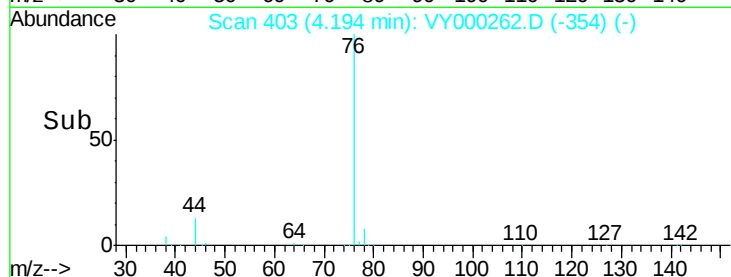
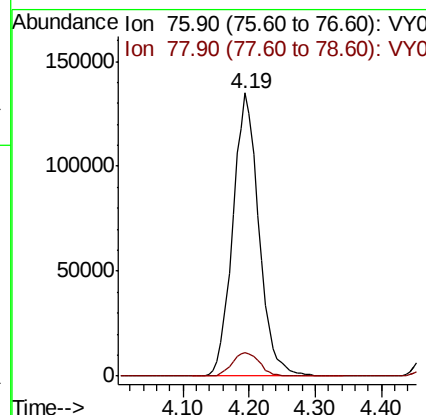
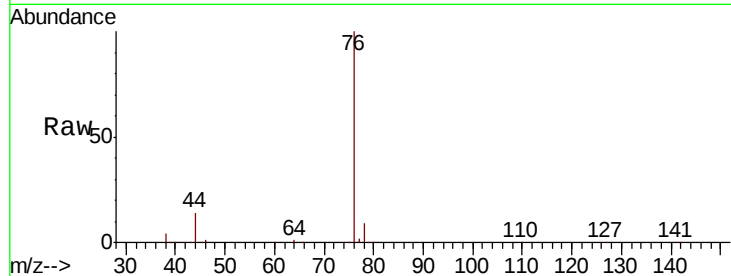
#17
Carbon Disulfide
Concen: 48.208 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.6

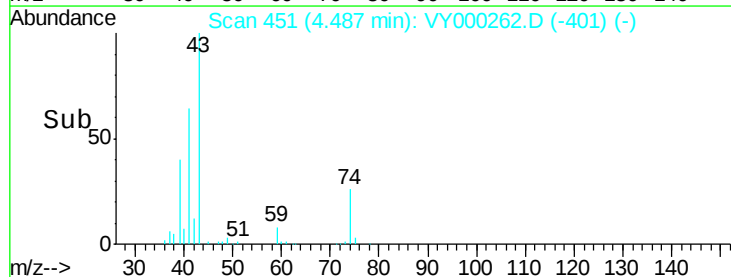
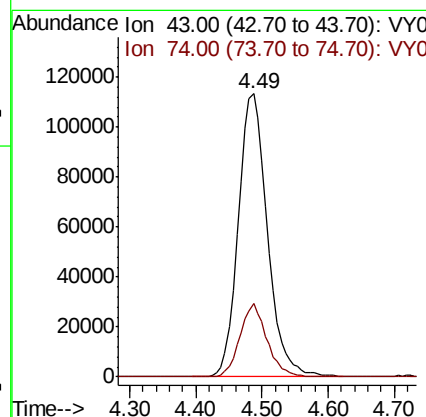
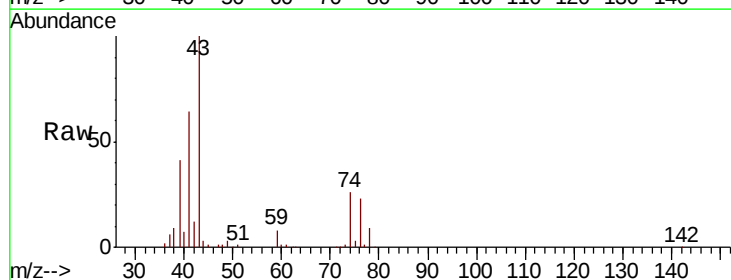
Manual Integrations
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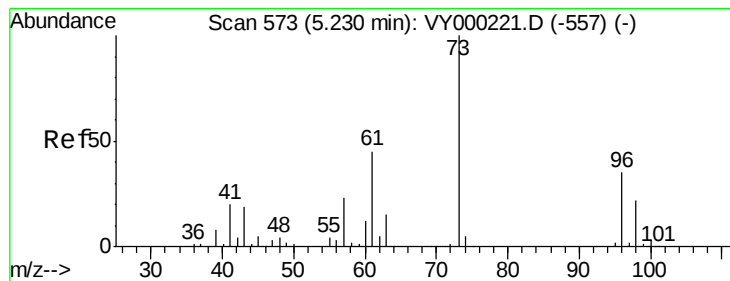
MMDadoda
10/14/2019 1:34:25 PM



#18
Methyl Acetate
Concen: 52.442 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.1	28.7





#19

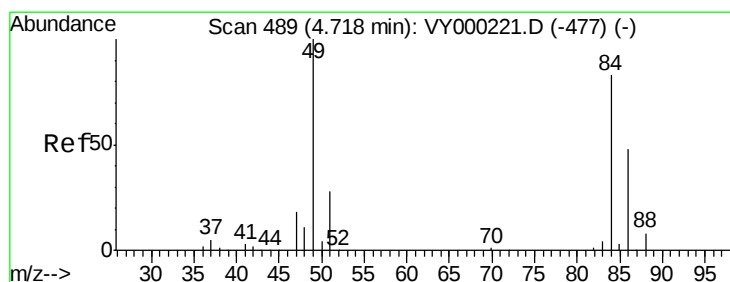
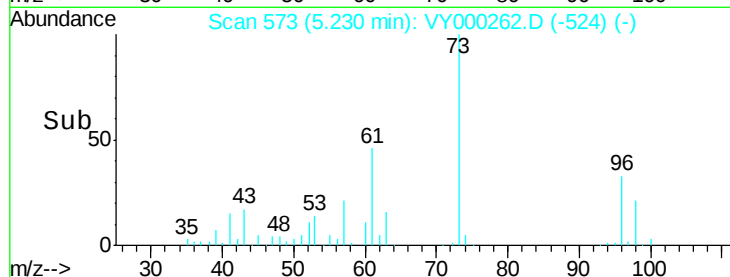
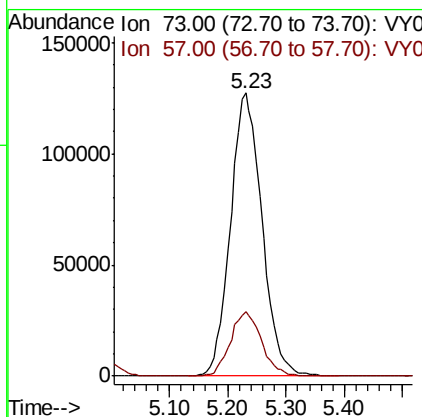
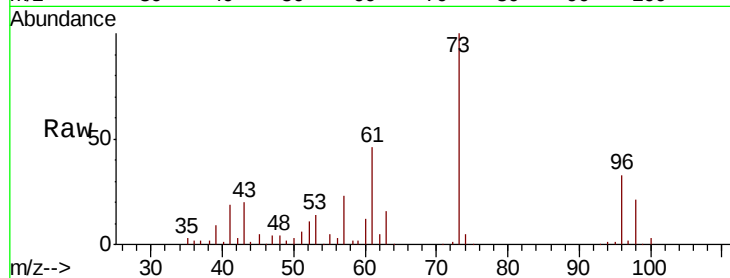
Methyl tert-butyl Ether
 Concen: 50.336 ug/l
 RT: 5.23 min Scan# 573
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 73 Resp: 477278
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.4 27.6

Manual Integrations
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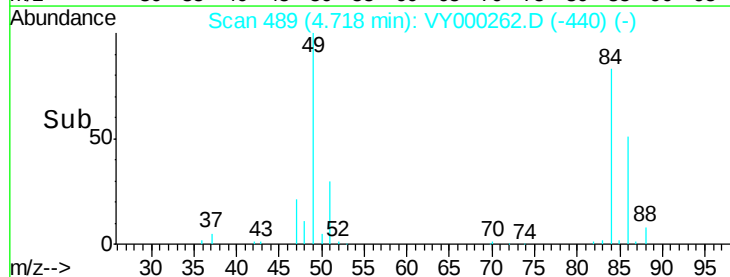
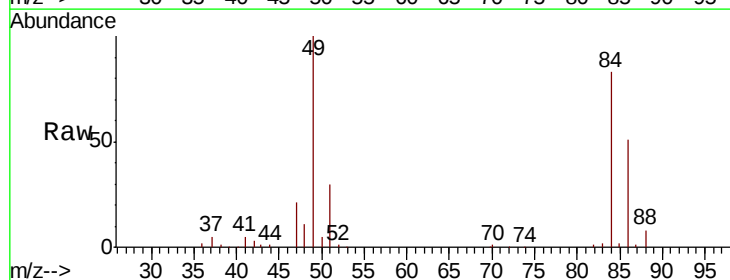
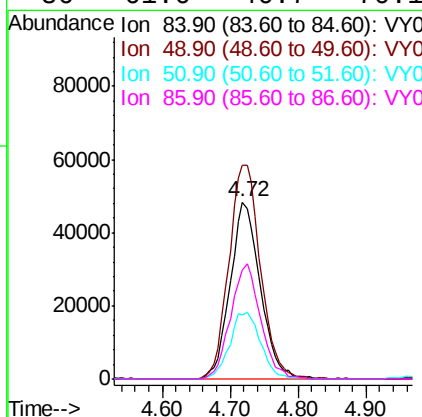
MMDadoda
 10/14/2019 1:34:25 PM

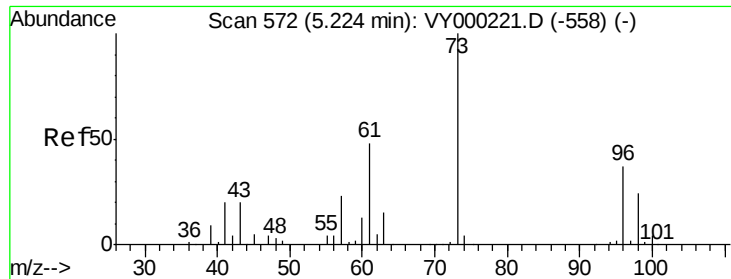


#20

Methylene Chloride
 Concen: 46.951 ug/l
 RT: 4.72 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion: 84 Resp: 148109
 Ion Ratio Lower Upper
 84 100
 49 120.7 96.2 144.2
 51 36.2 26.6 39.8
 86 61.6 46.7 70.1





#21

trans-1,2-Dichloroethene

Concen: 48.736 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

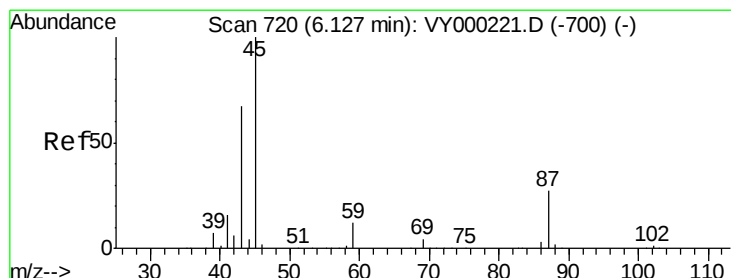
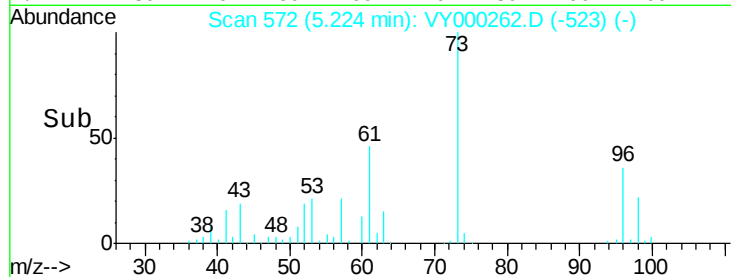
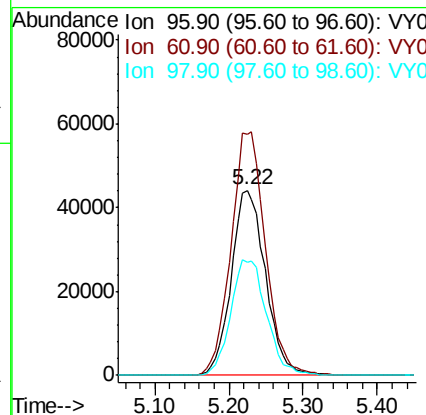
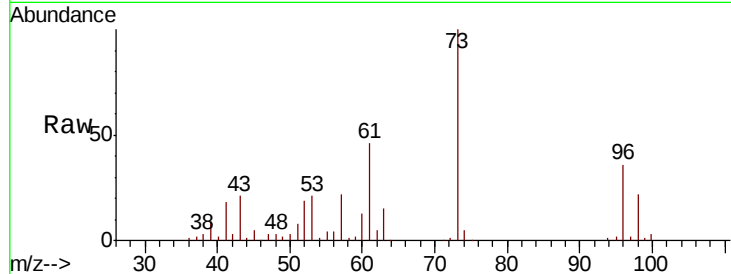
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	142093
Ion	Ratio	Lower	Upper
96	100		
61	130.2	104.2	156.2
98	61.0	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.706 ug/l

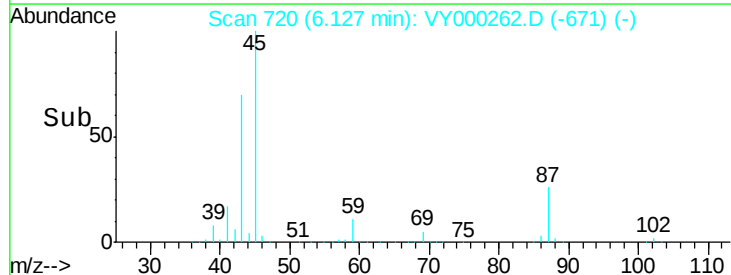
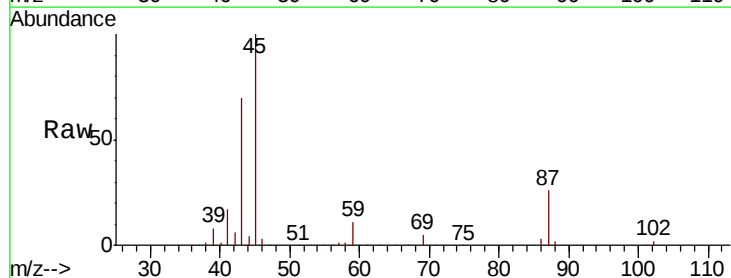
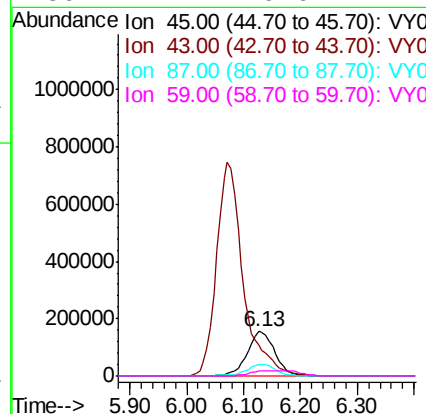
RT: 6.13 min Scan# 720

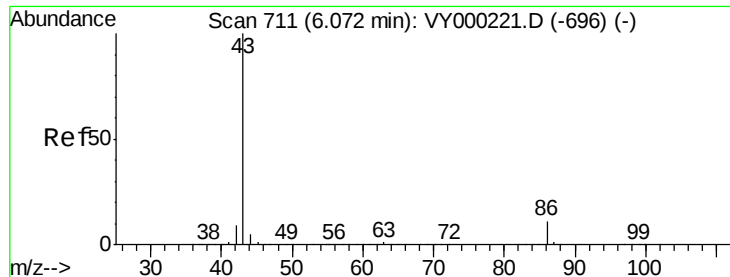
Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Tgt Ion:	45	Resp:	523163
Ion	Ratio	Lower	Upper
45	100		
43	69.6	53.4	80.2
87	26.4	21.7	32.5
59	11.1	9.6	14.4





#23

Vinyl Acetate

Concen: 242.761 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2428493

Ion Ratio Lower Upper

43 100

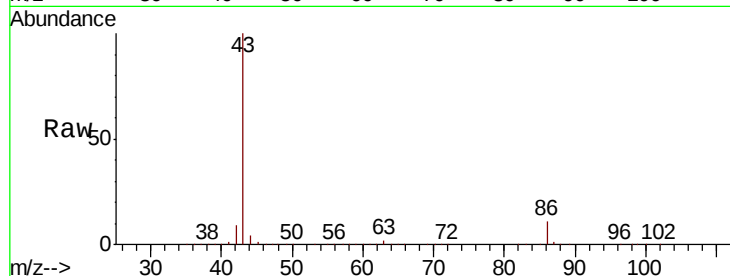
86 10.5 8.5 12.7

Manual Integrations

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10/14/2019 1:34:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

800000

600000

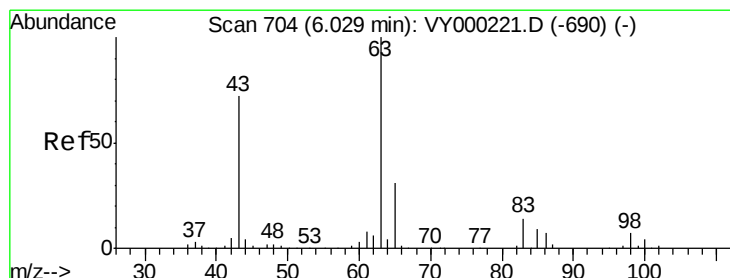
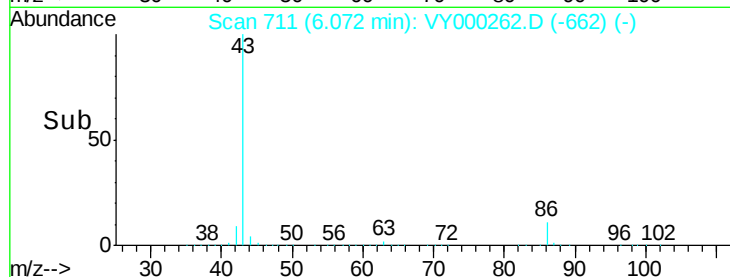
400000

200000

0

6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 49.223 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

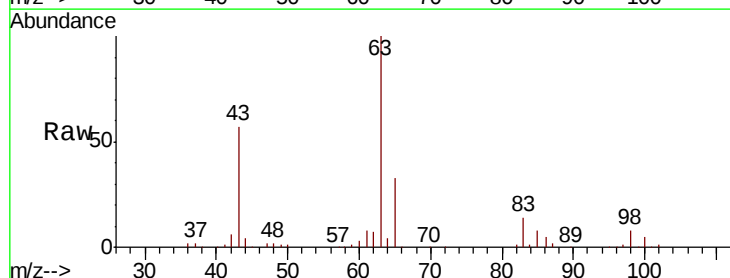
Tgt Ion: 63 Resp: 254038

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.6

100 4.9 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

100000

80000

60000

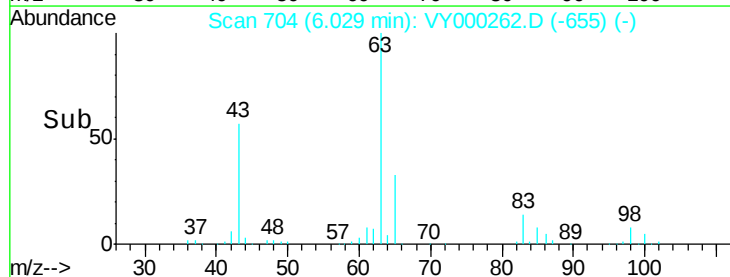
40000

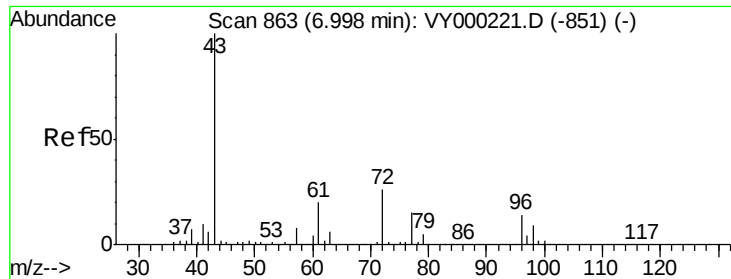
20000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 275.306 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1222982

Ion Ratio Lower Upper

43 100

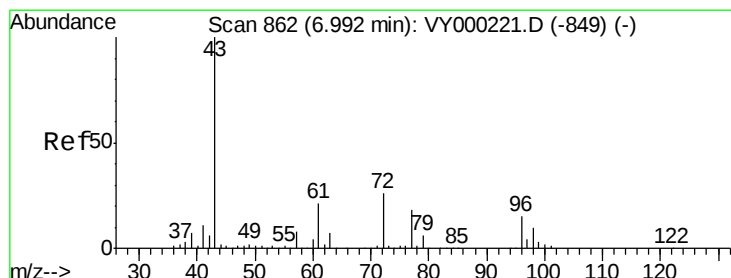
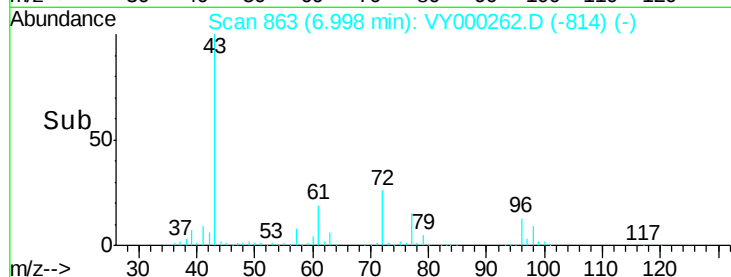
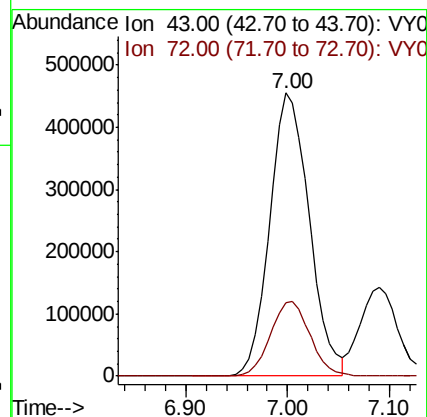
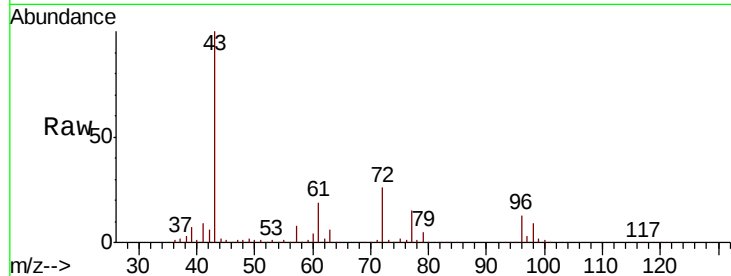
72 25.8 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 45.886 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000262.D

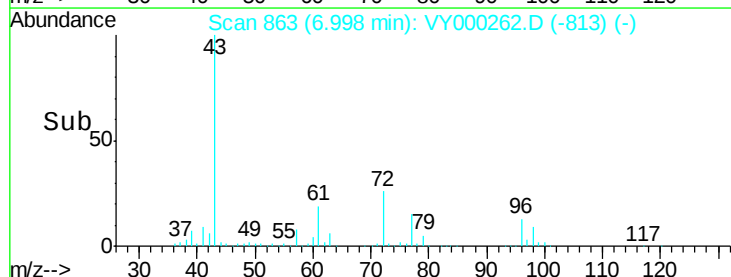
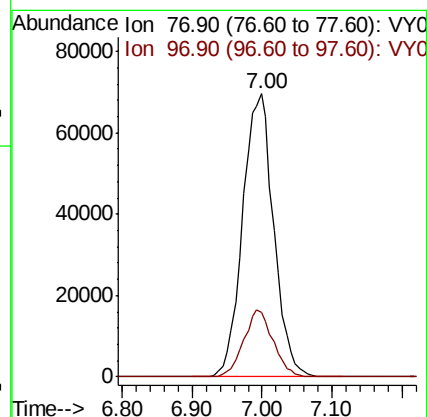
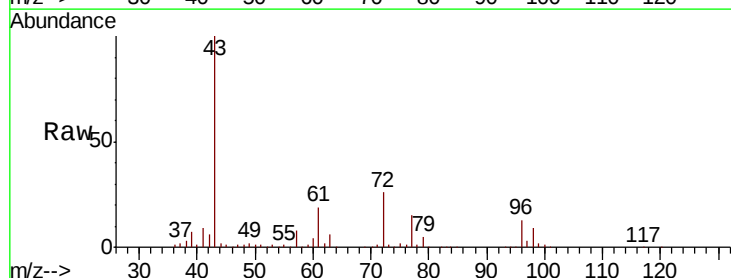
Acq: 10 Oct 2019 18:58

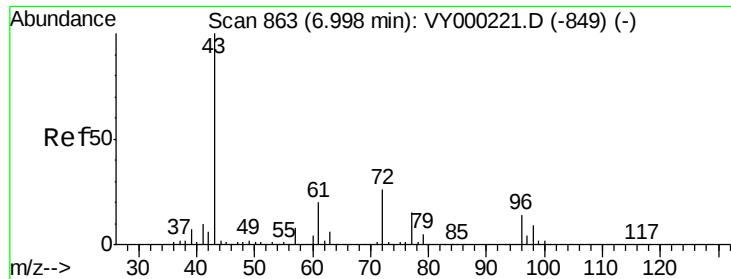
Tgt Ion: 77 Resp: 213774

Ion Ratio Lower Upper

77 100

97 22.5 11.7 35.0





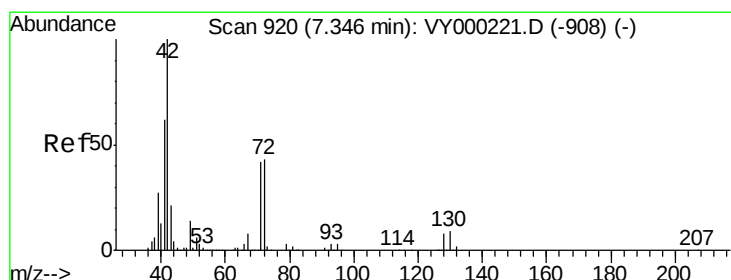
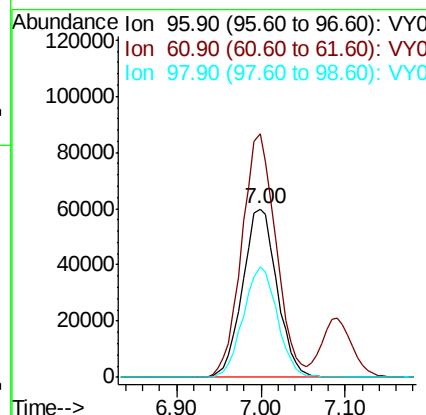
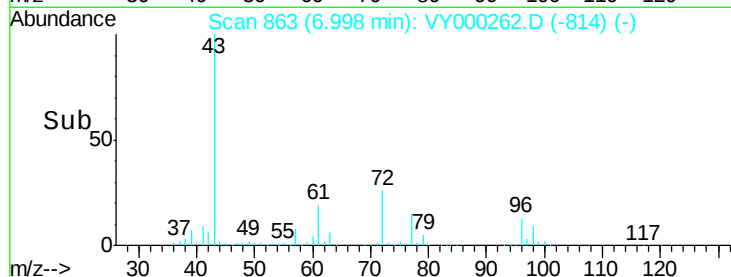
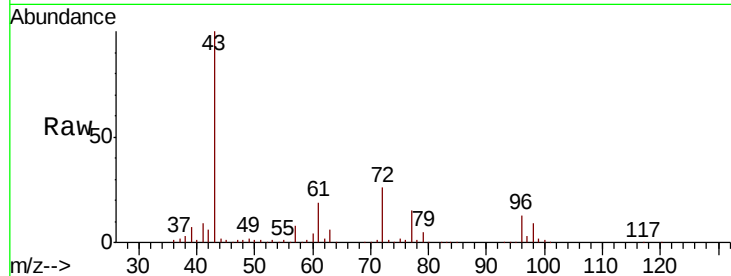
#27
 cis-1,2-Dichloroethene
 Concen: 48.127 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	165281		
61	143.9	0.0	282.6	
98	64.8	0.0	129.8	

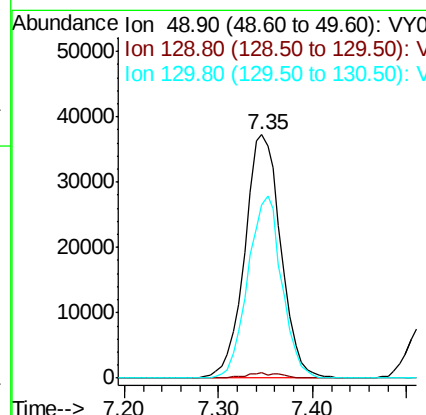
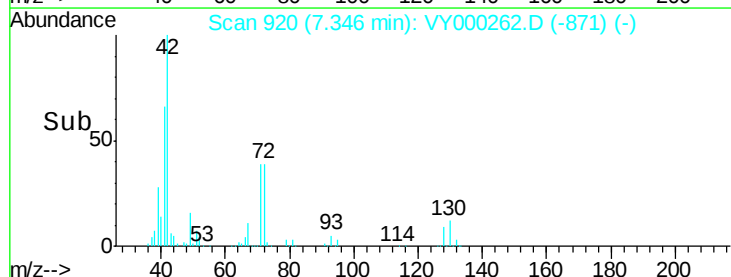
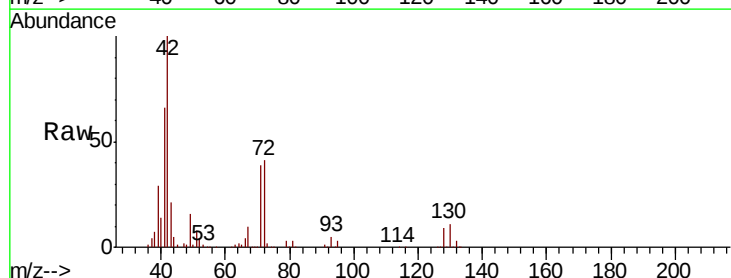
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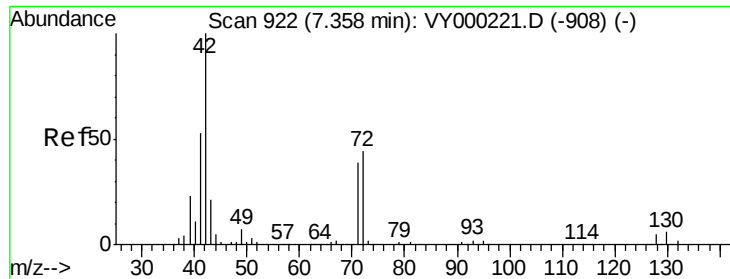
MMDadoda
 10/14/2019 1:34:25 PM



#28
 Bromochloromethane
 Concen: 58.771 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99835		
129	2.0	0.0	3.2	
130	70.5	56.5	84.7	





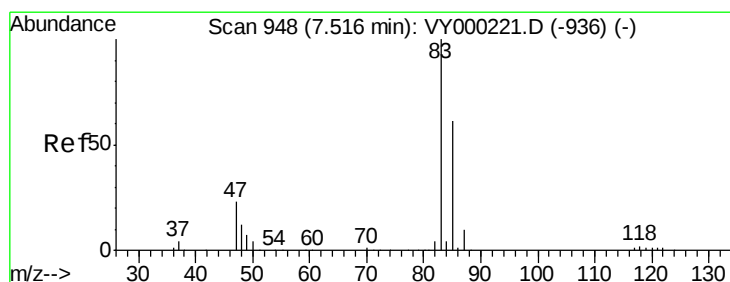
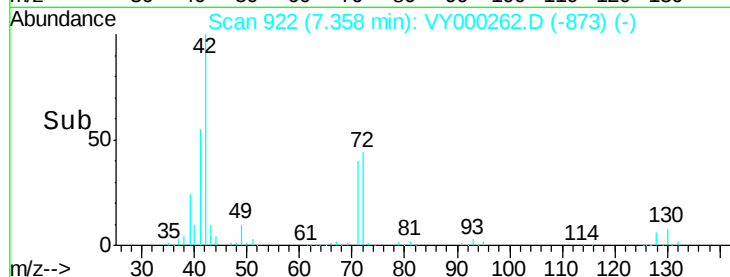
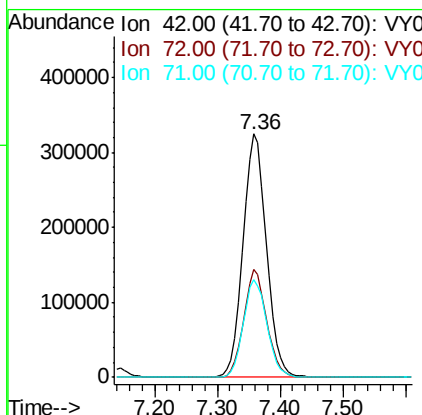
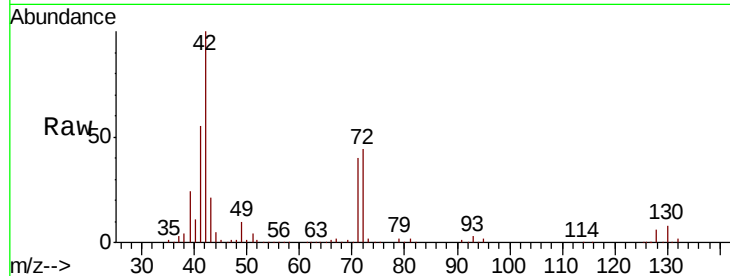
#29
Tetrahydrofuran
Concen: 267.502 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.6	51.8
71	40.3	31.9	47.9

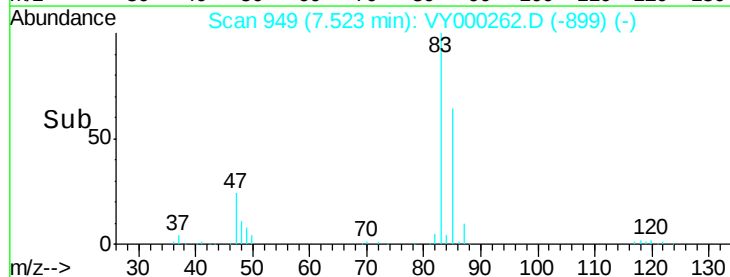
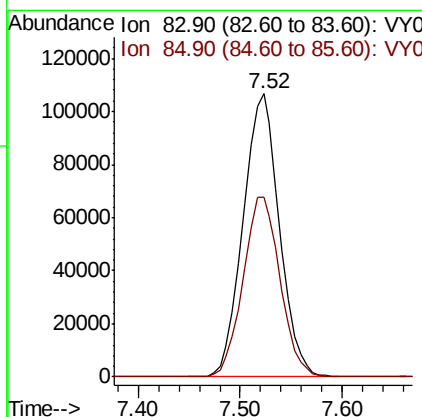
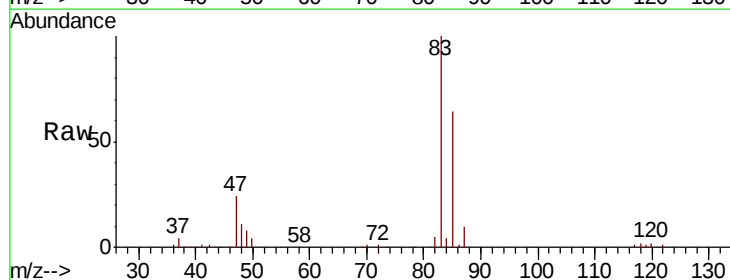
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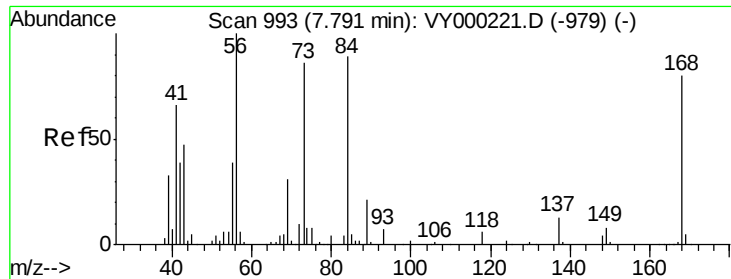
MMDadoda
10/14/2019 1:34:25 PM



#30
Chloroform
Concen: 49.191 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	48.9	73.3





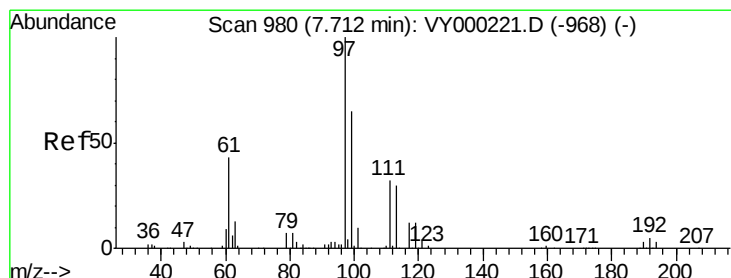
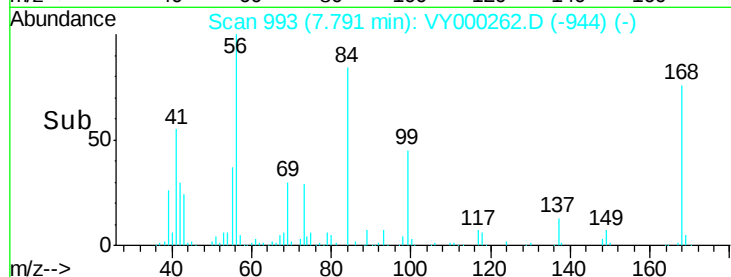
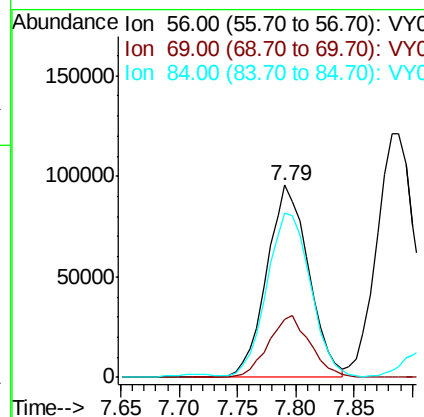
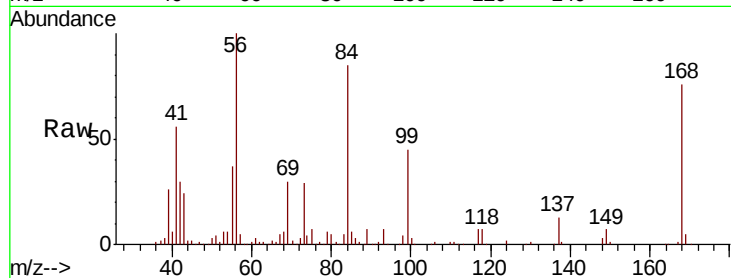
#31
Cyclohexane
Concen: 45.662 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.7	37.1
84	83.6	71.3	106.9

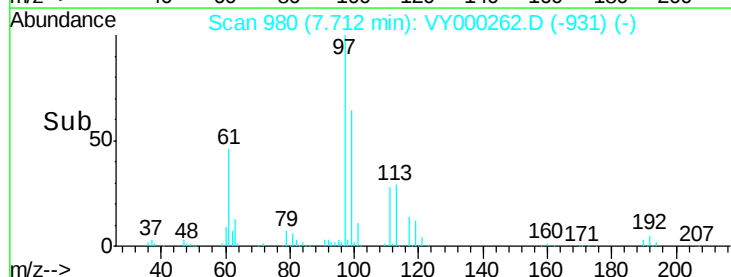
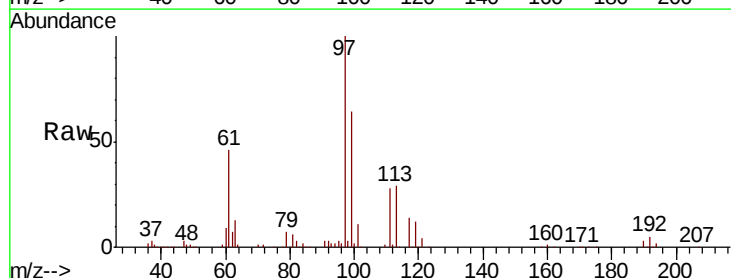
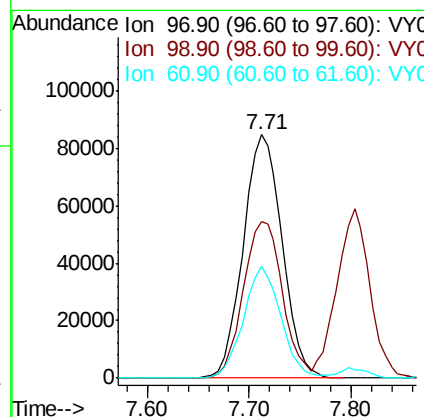
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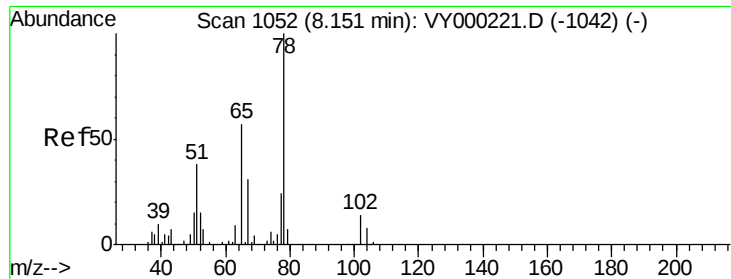
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.344 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	44.1	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 52.669 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 159686

Ion Ratio Lower Upper

65 100

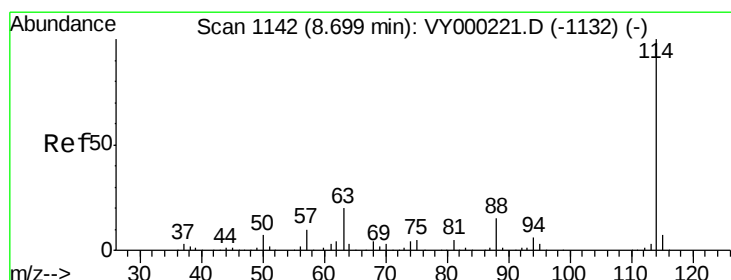
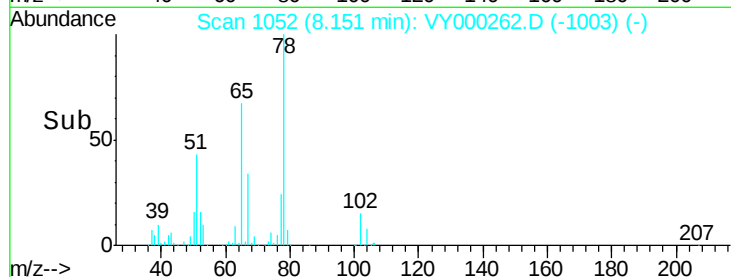
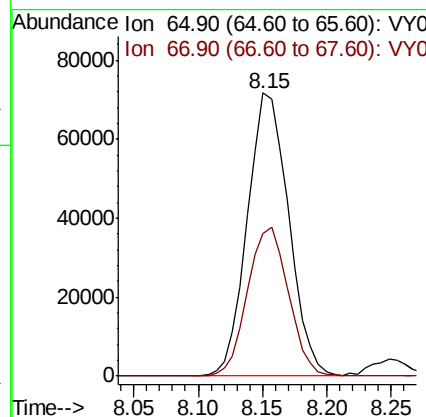
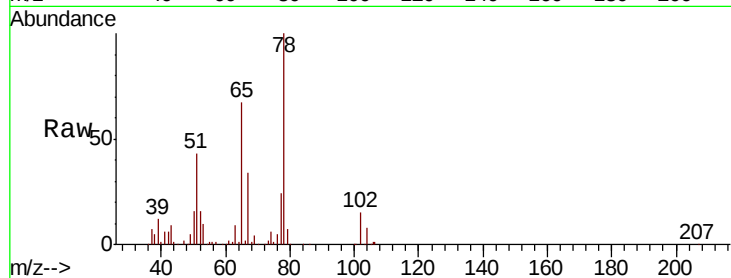
67 52.1 0.0 109.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

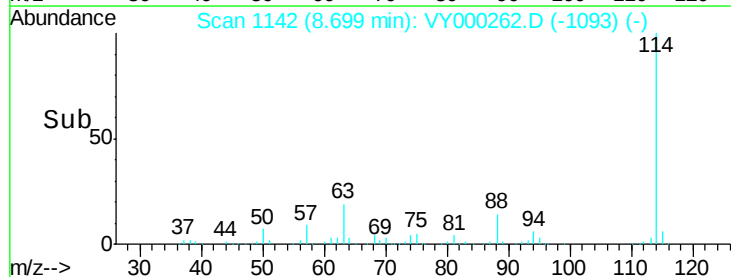
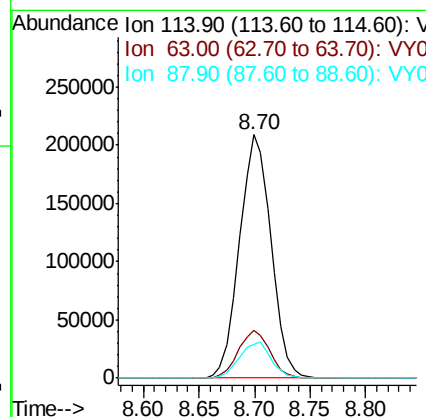
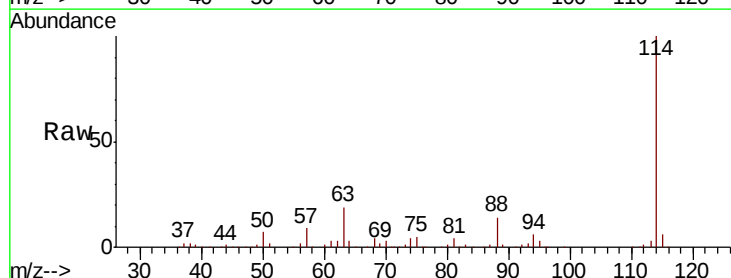
Tgt Ion: 114 Resp: 409318

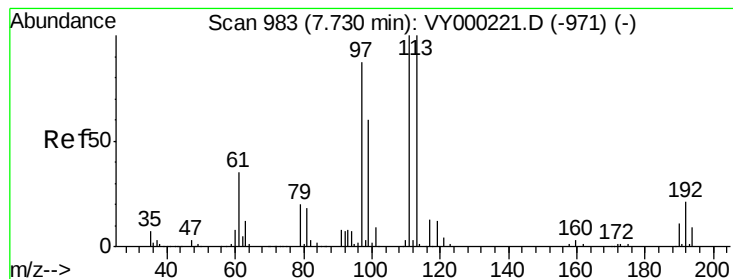
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

88 14.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.344 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

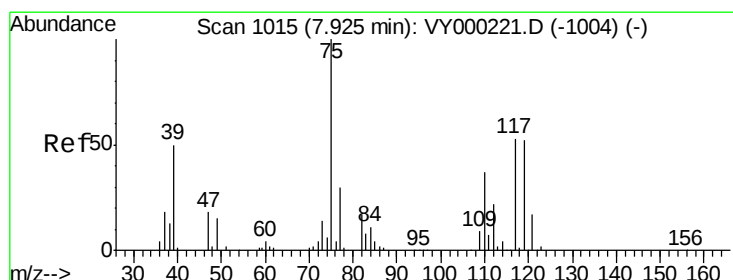
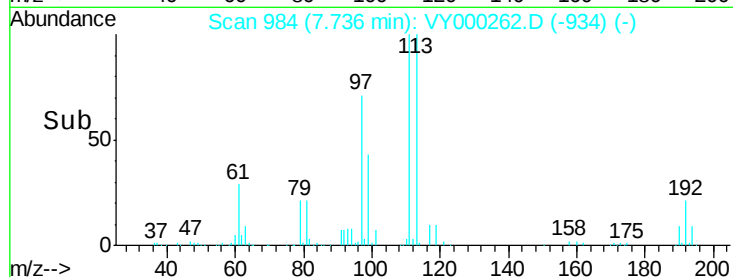
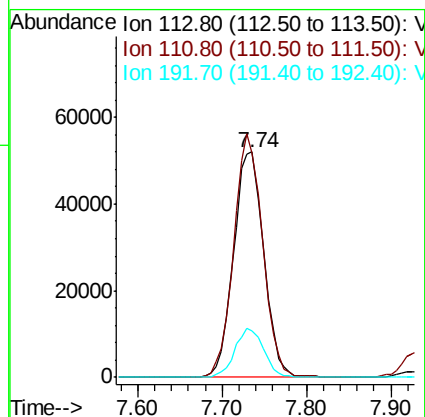
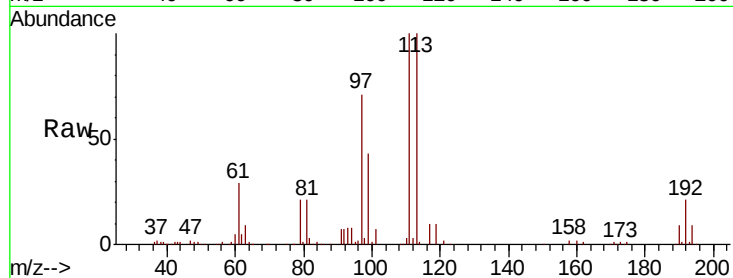
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	125846
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.6	124.0
192	20.6	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 46.429 ug/l

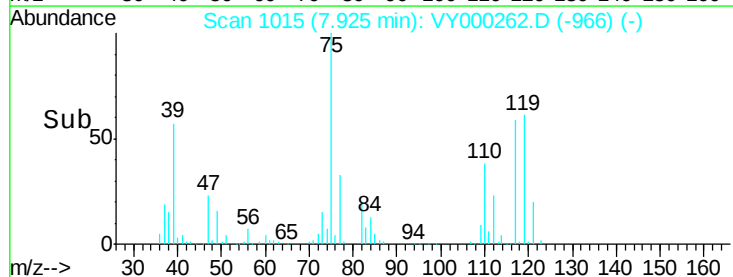
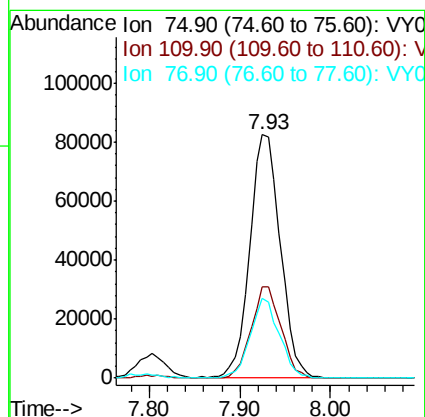
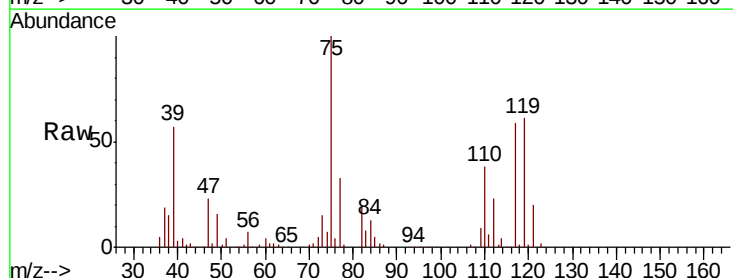
RT: 7.93 min Scan# 1015

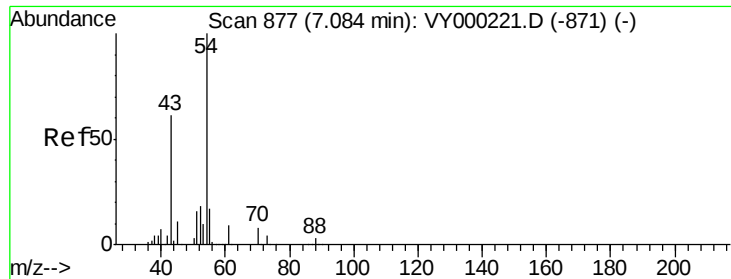
Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Tgt Ion:	75	Resp:	193365
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.4	55.2
77	31.1	24.7	37.1





#37

Ethyl Acetate

Concen: 49.789 ug/l

RT: 7.09 min Scan# 878

Delta R.T. 0.01 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

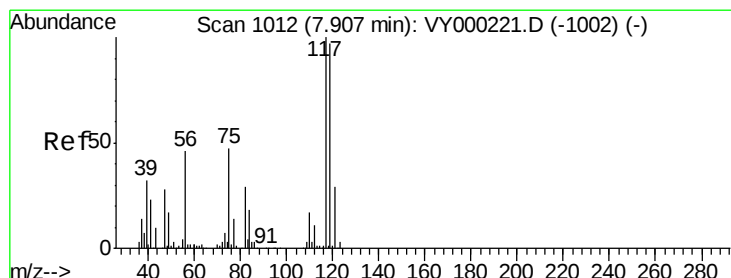
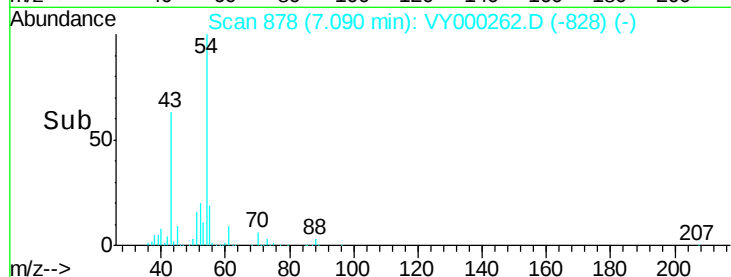
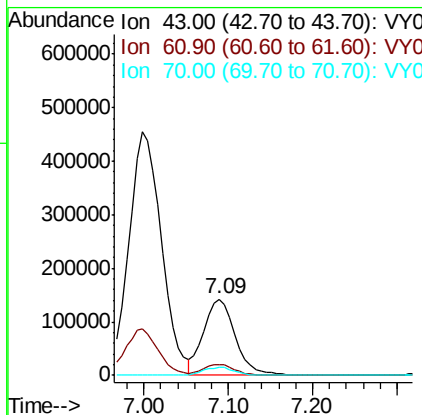
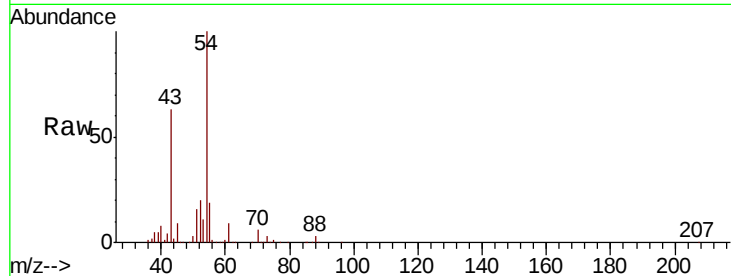
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	374869
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.1	16.7
70	10.5	8.5	12.7

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#38

Carbon Tetrachloride

Concen: 47.866 ug/l

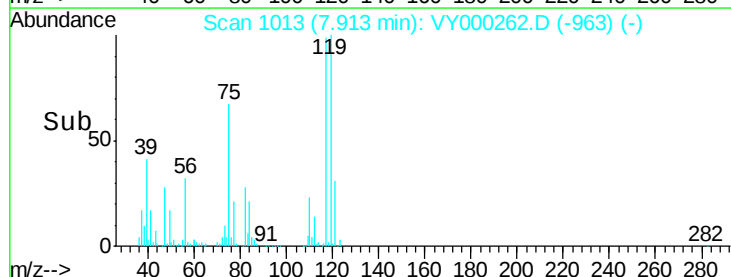
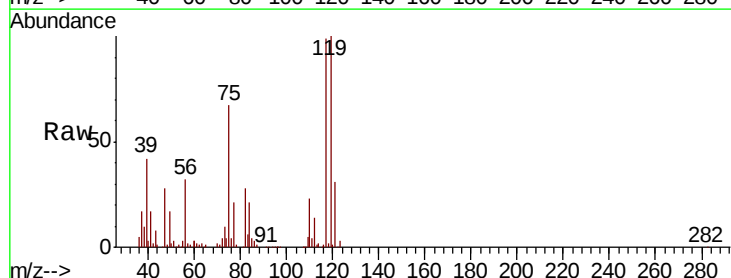
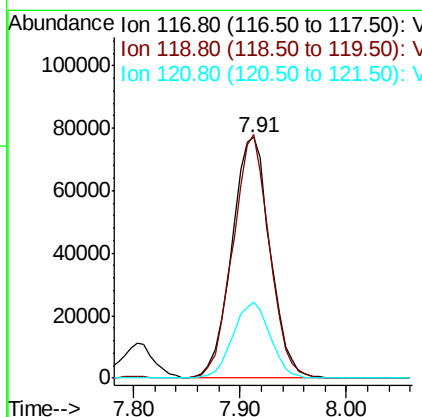
RT: 7.91 min Scan# 1013

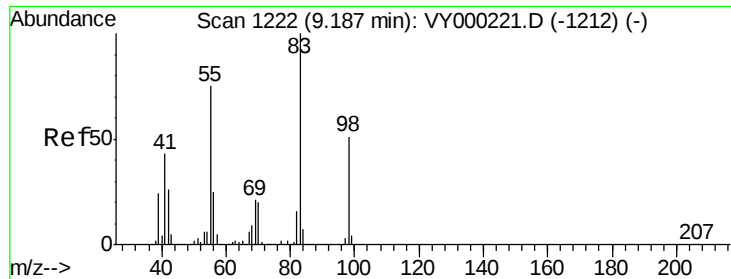
Delta R.T. 0.01 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Tgt Ion:	117	Resp:	194293
Ion	Ratio	Lower	Upper
117	100		
119	101.3	77.2	115.8
121	31.5	23.1	34.7





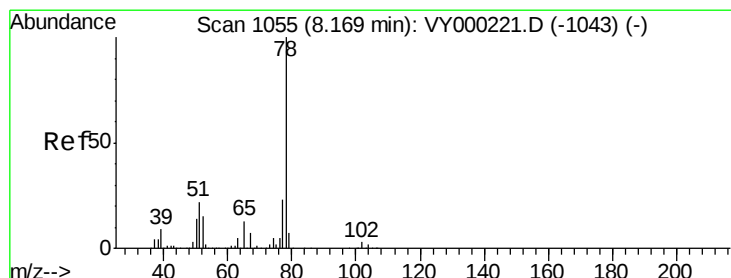
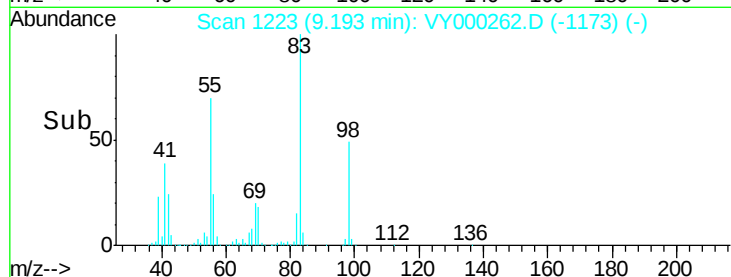
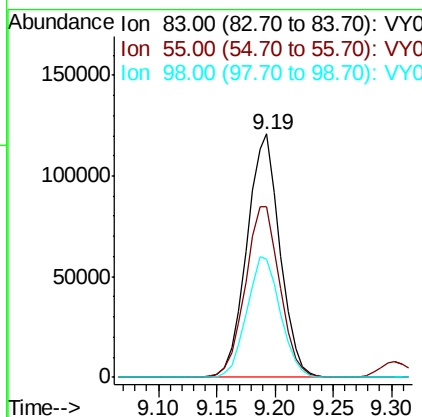
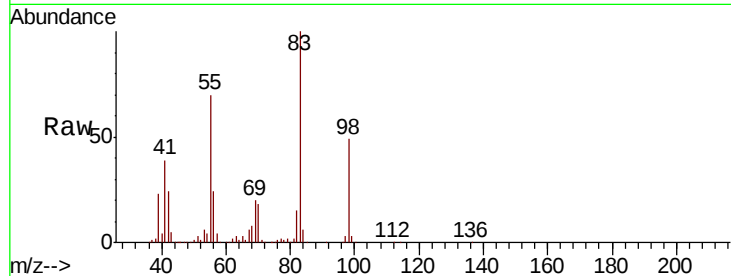
#39
Methvlcvclohexane
Concen: 45.619 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.3	60.2	90.4	
98	48.8	40.5	60.7	

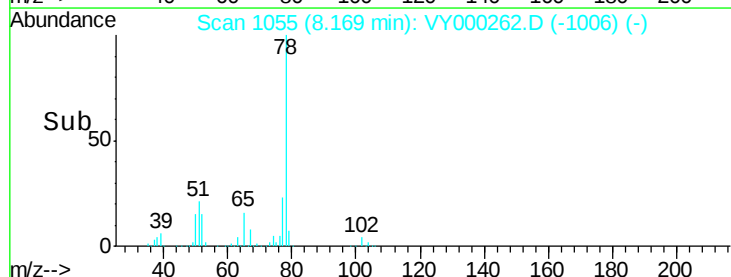
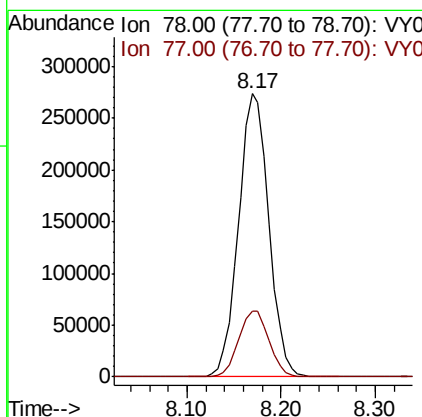
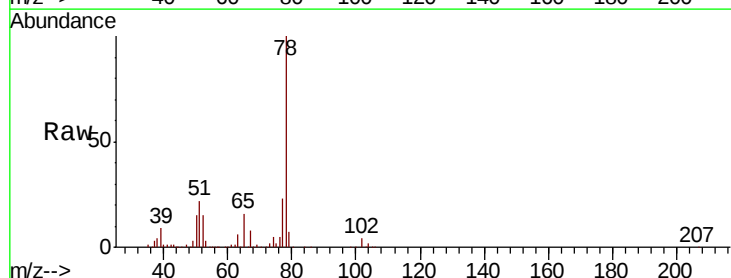
Manual Integrations
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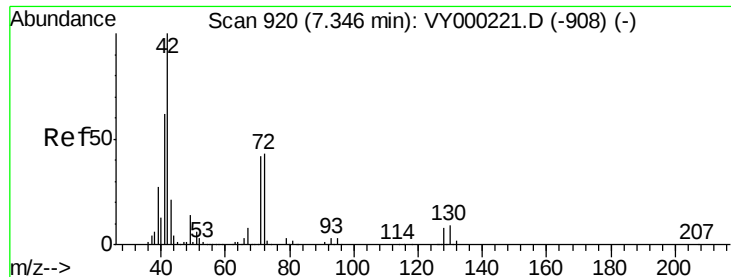
MMDadoda
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#40
Benzene
Concen: 48.588 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.2	18.6	28.0	





#41

Methacrylonitrile

Concen: 48.321 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 286356

Ion Ratio Lower Upper

41 100

39 99.0 74.7 112.1

67 0.0 0.0 0.0

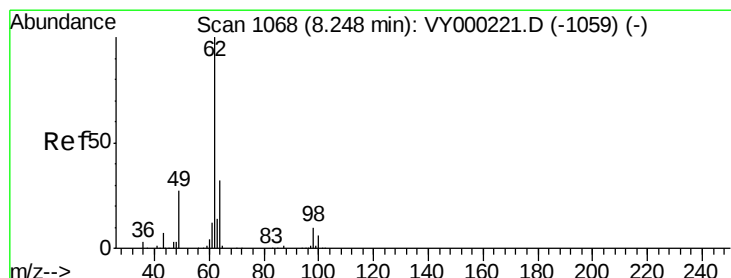
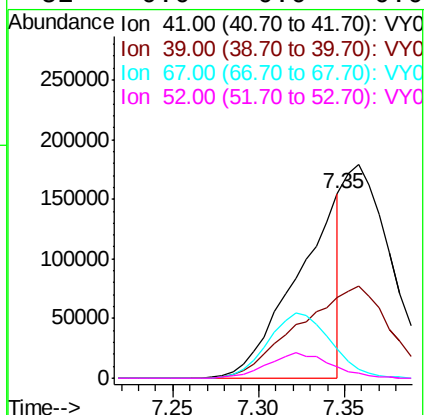
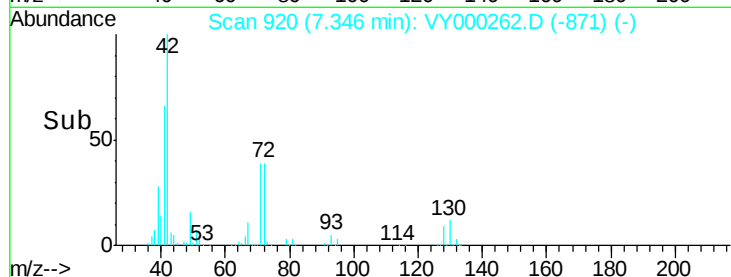
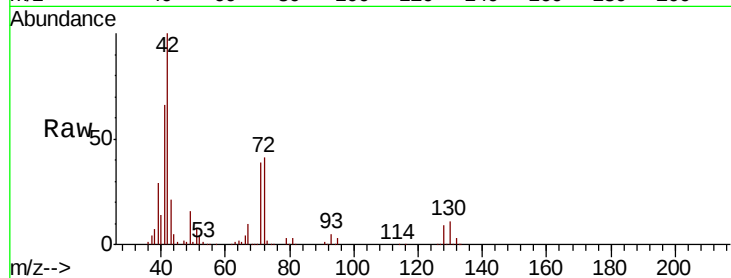
52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 51.157 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000262.D

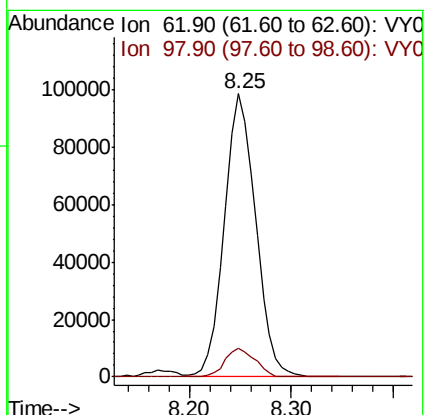
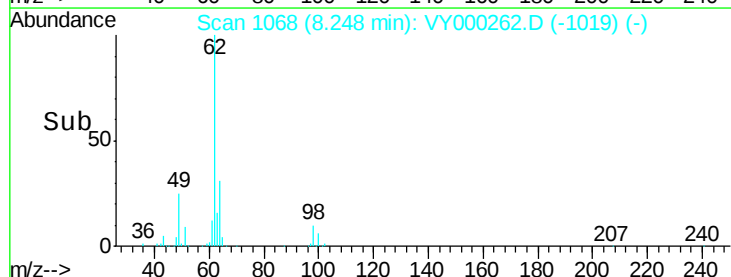
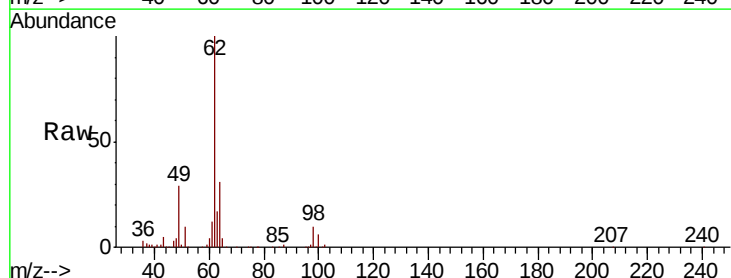
Acq: 10 Oct 2019 18:58

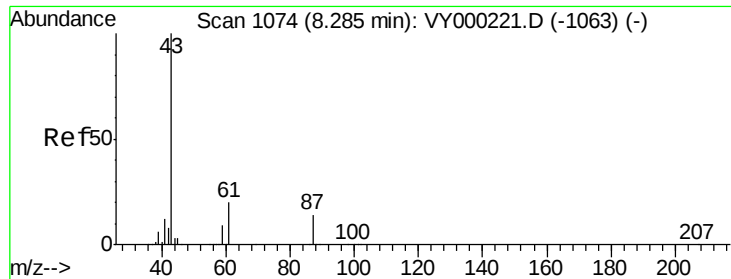
Tgt Ion: 62 Resp: 209929

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.0





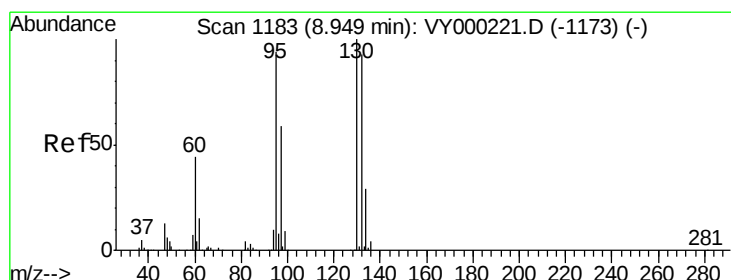
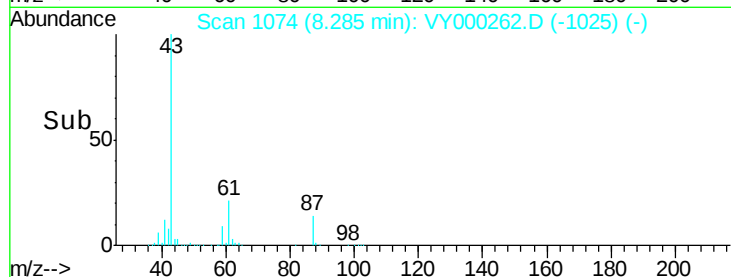
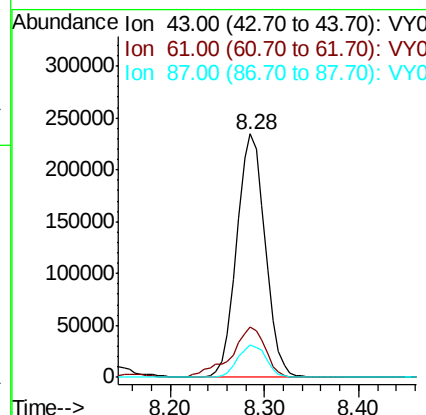
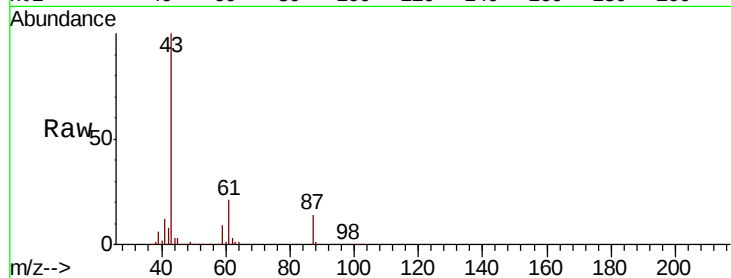
#43
Isopropyl Acetate
Concen: 50.763 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.1	30.1
87	13.5	10.6	15.8

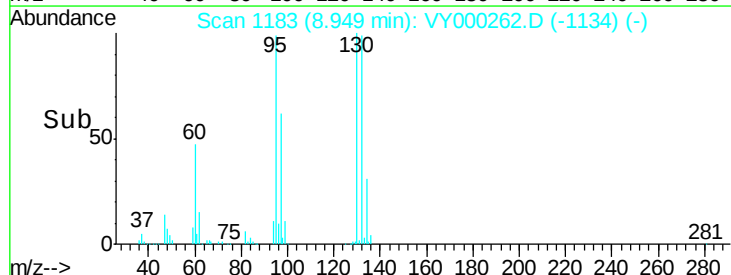
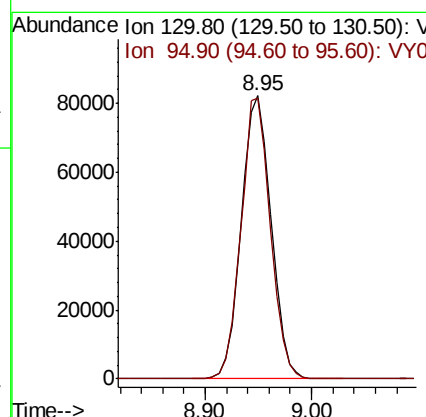
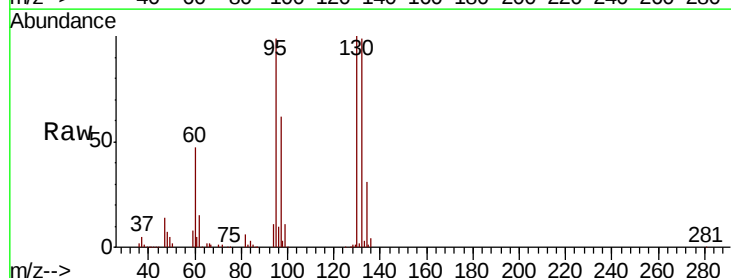
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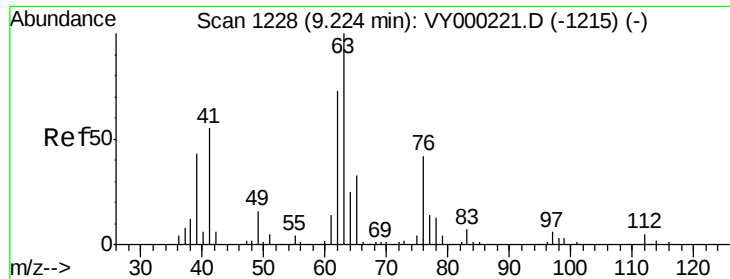
MMDadoda
10/14/2019 1:34:25 PM



#44
Trichloroethene
Concen: 47.320 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	189.0





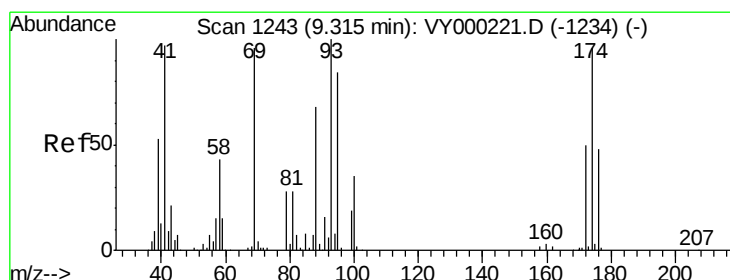
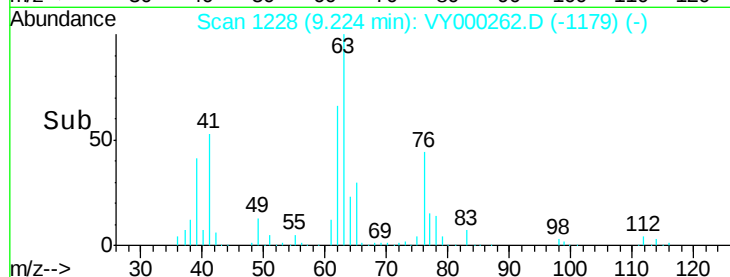
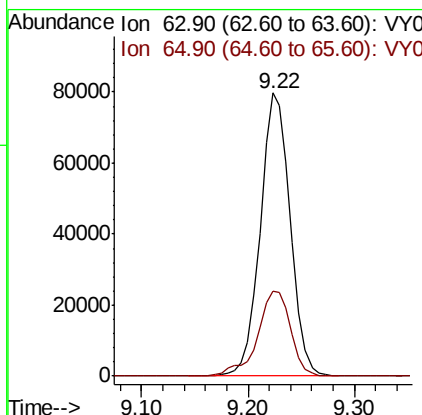
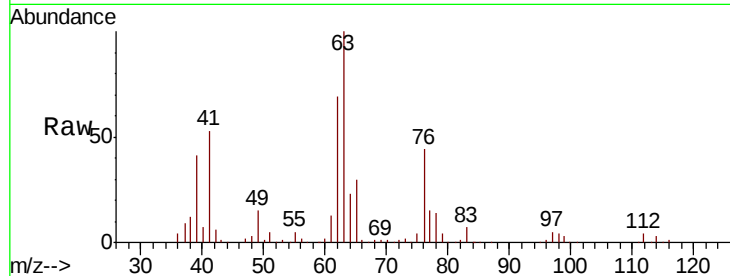
#45
 1,2-Dichloropropane
 Concen: 49.424 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 156401
 Ion Ratio Lower Upper
 63 100
 65 30.2 26.6 39.8

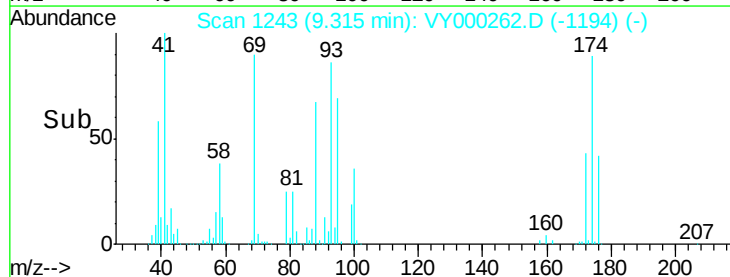
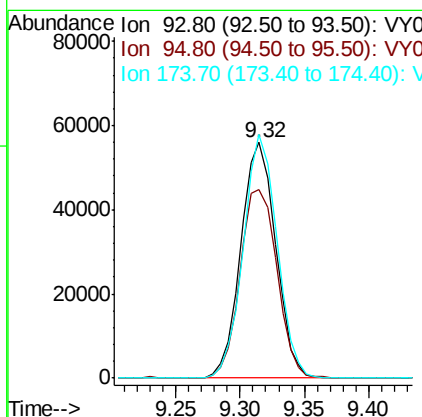
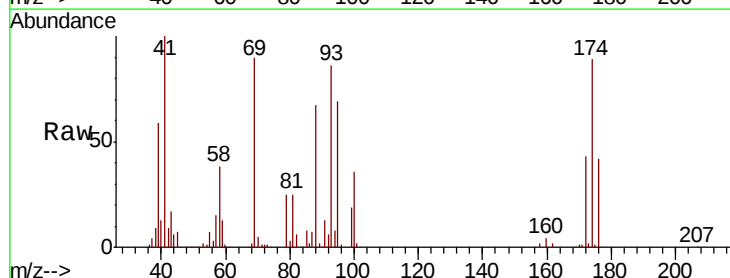
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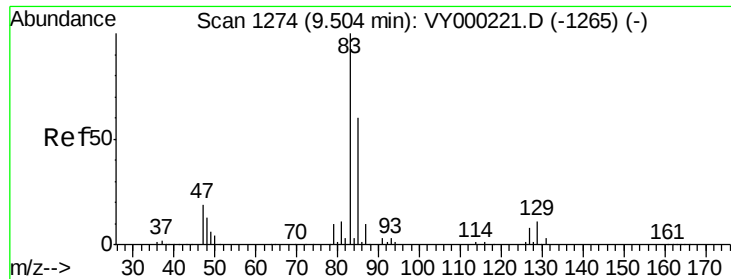
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#46
 Dibromomethane
 Concen: 47.378 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion: 93 Resp: 105107
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.0 100.6
 174 99.9 77.5 116.3





#47

Bromodichloromethane

Concen: 48.893 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

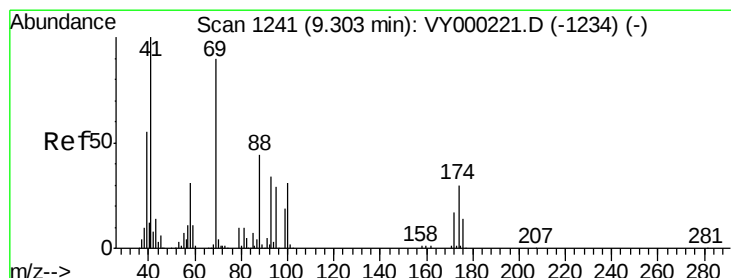
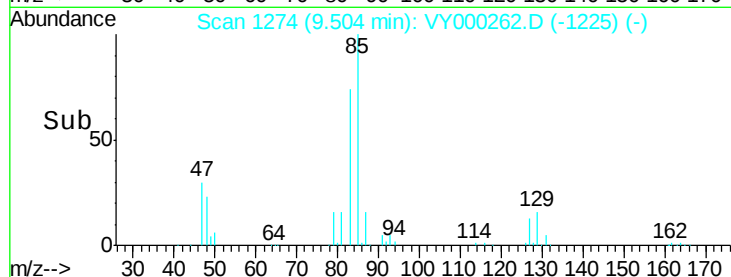
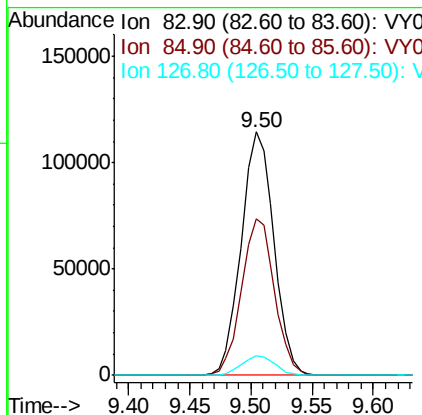
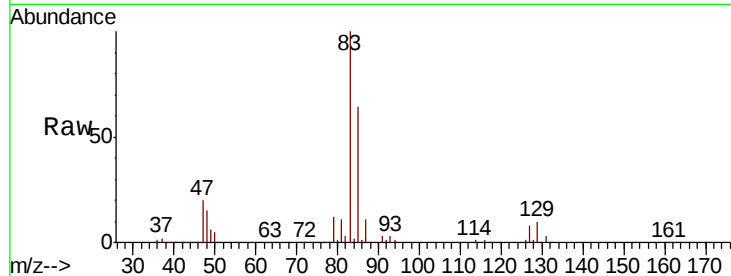
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	212171
Ion Ratio	Lower	Upper	
83	100		
85	64.4	48.0	72.0
127	8.2	6.5	9.7

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#48

Methyl methacrylate

Concen: 49.901 ug/l

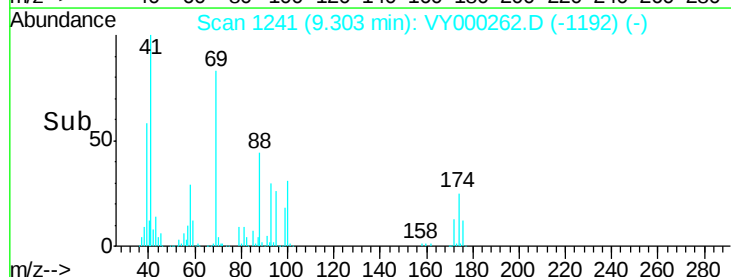
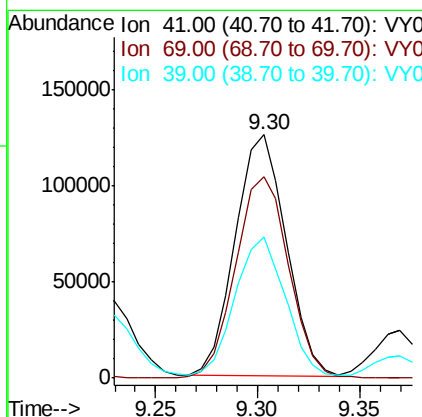
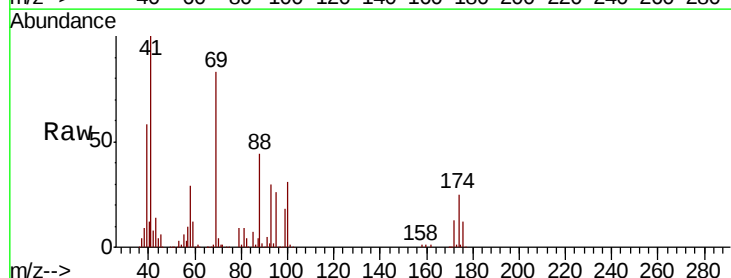
RT: 9.30 min Scan# 1241

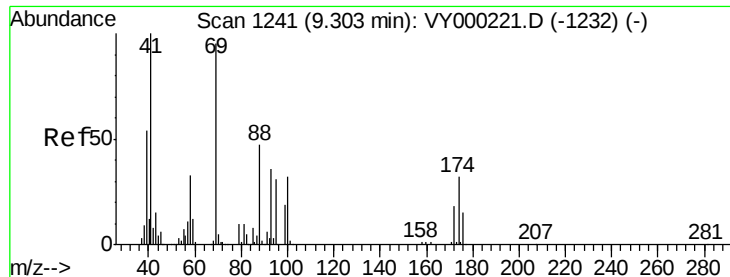
Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Tgt Ion:	41	Resp:	218280
Ion Ratio	Lower	Upper	
41	100		
69	87.1	70.3	105.5
39	58.6	45.5	68.3





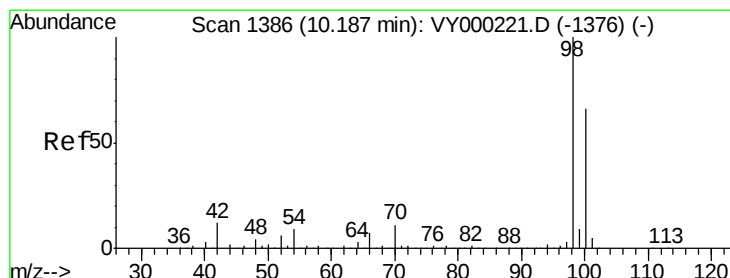
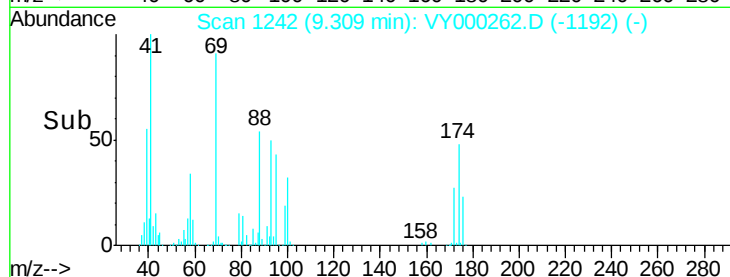
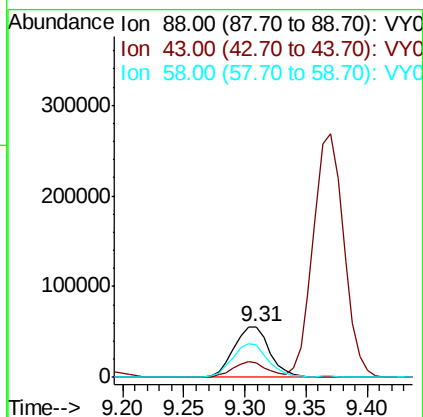
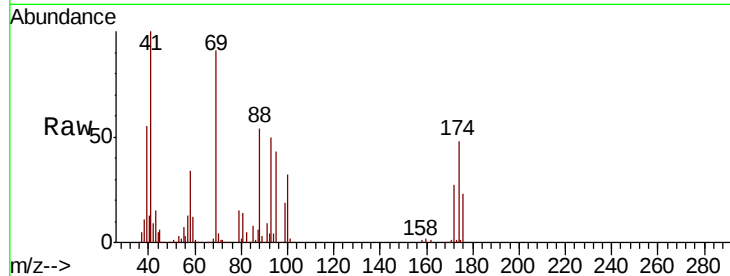
#49
1,4-Dioxane
Concen: 1012.157 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	24.5	36.7
58	66.3	54.2	81.2

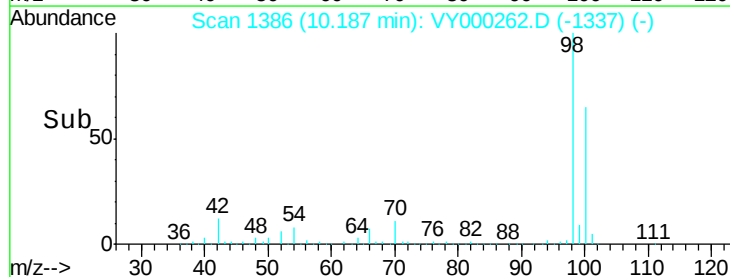
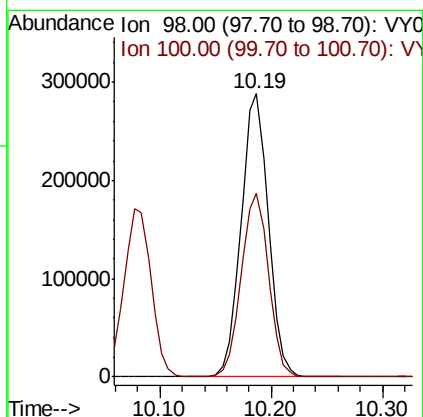
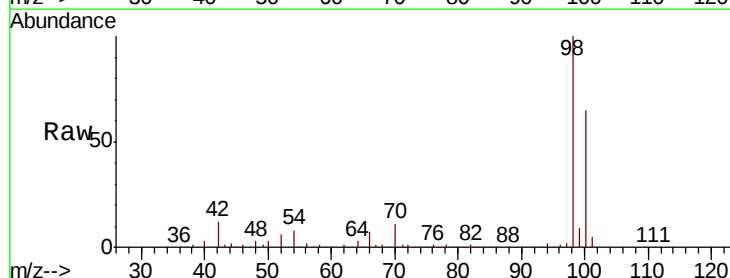
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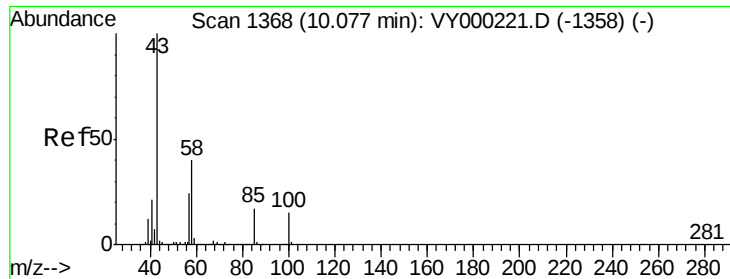
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#50
Toluene-d8
Concen: 48.737 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 266.064 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1937817

Ion Ratio Lower Upper

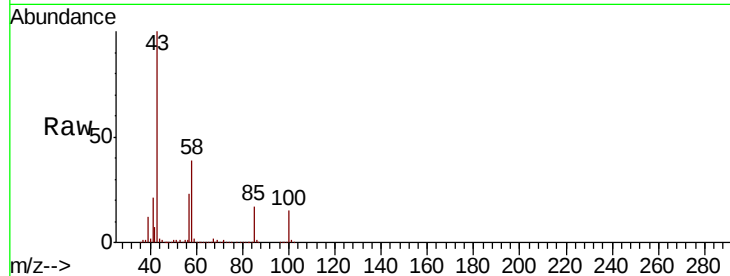
43 100

58 39.4 31.7 47.5

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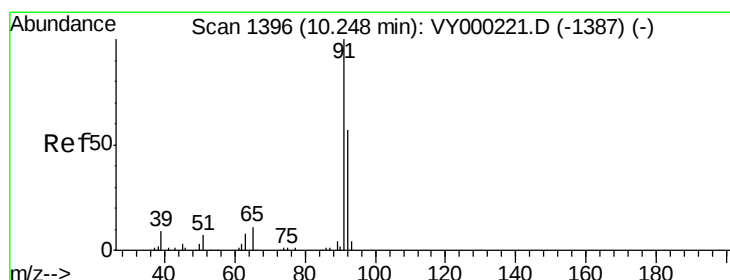
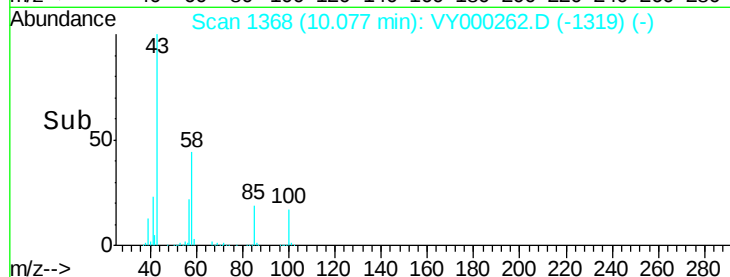
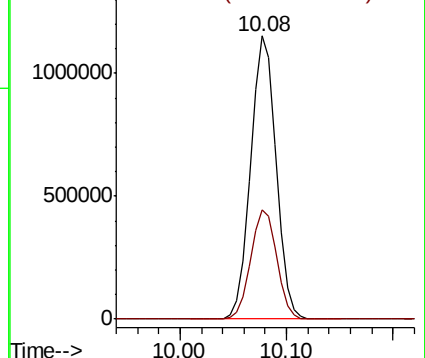
MMDadoda

10/14/2019 1:34:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VY000221.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY000221.D (-1358) (-)



#52

Toluene

Concen: 47.676 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000262.D

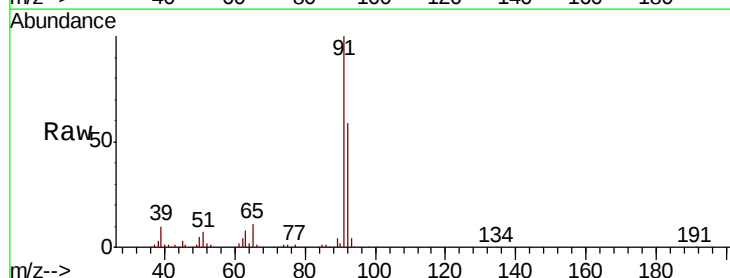
Acq: 10 Oct 2019 18:58

Tgt Ion: 92 Resp: 386324

Ion Ratio Lower Upper

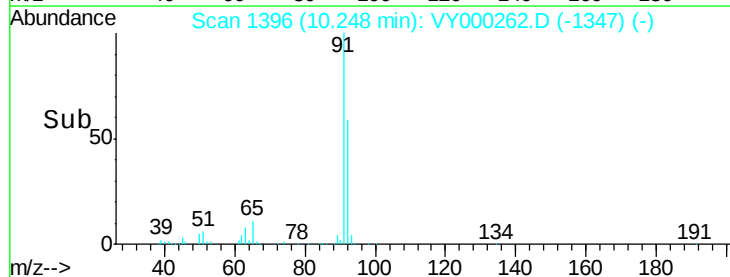
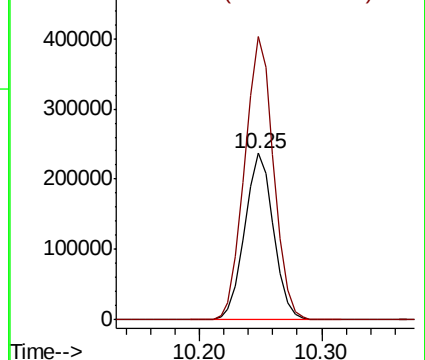
92 100

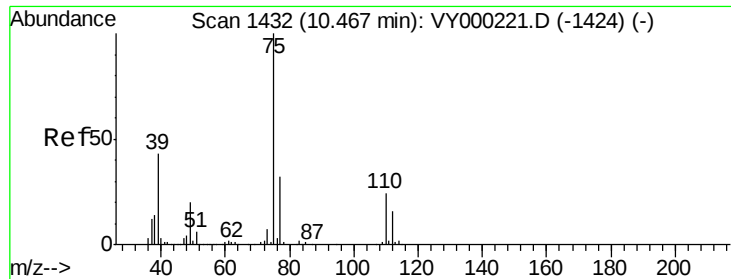
91 171.2 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VY000221.D (-1387) (-)

Ion 91.00 (90.70 to 91.70): VY000221.D (-1387) (-)





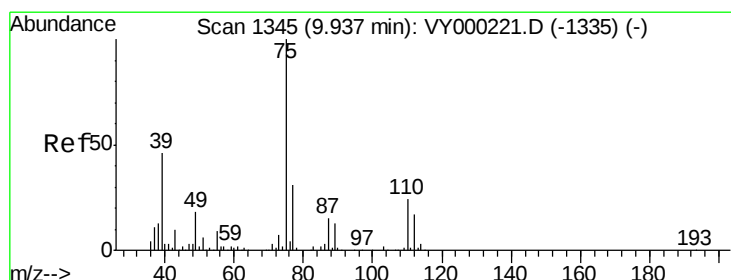
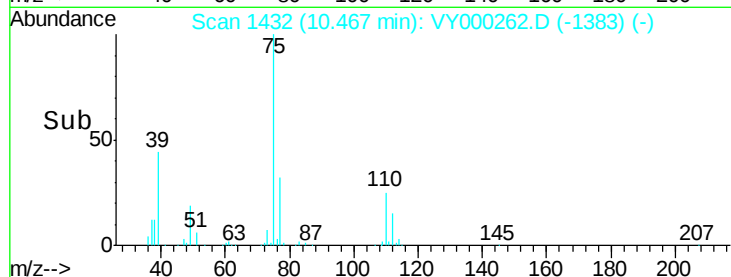
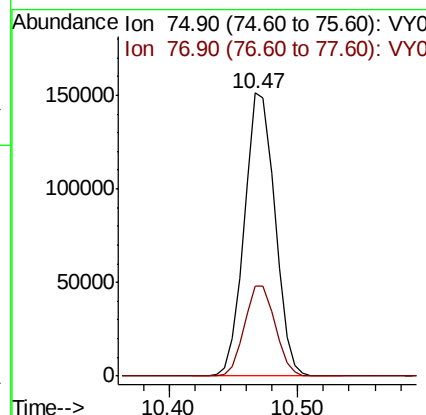
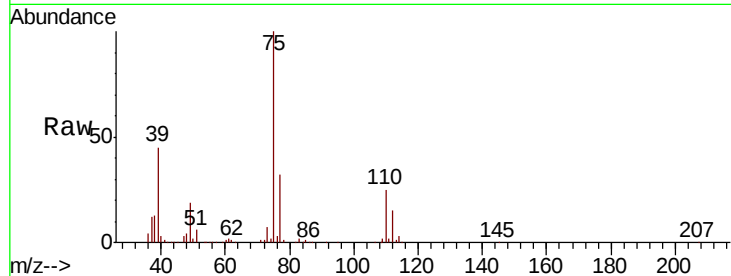
#53
 t-1,3-Dichloropropene
 Concen: 50.318 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 247727
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.3 37.9

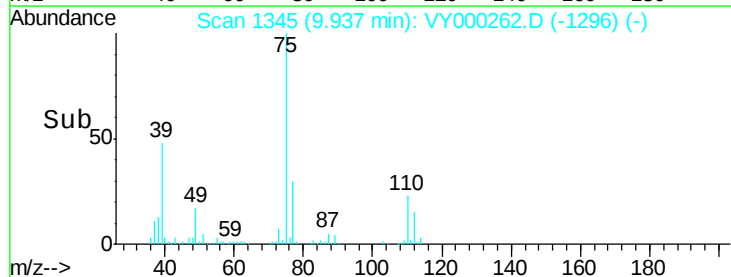
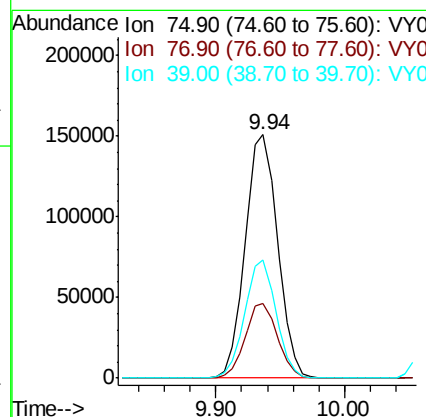
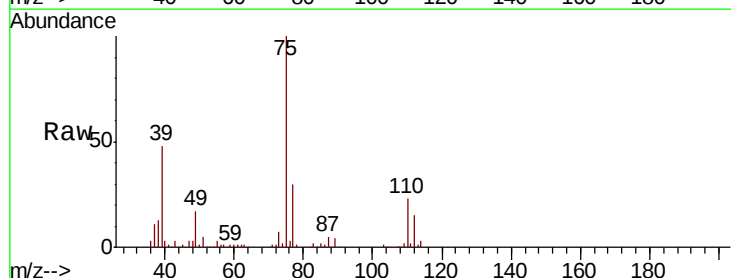
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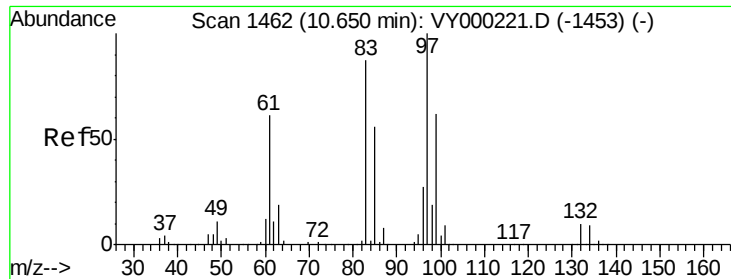
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#54
 cis-1,3-Dichloropropene
 Concen: 49.237 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion: 75 Resp: 262295
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.0 37.4
 39 48.3 36.3 54.5





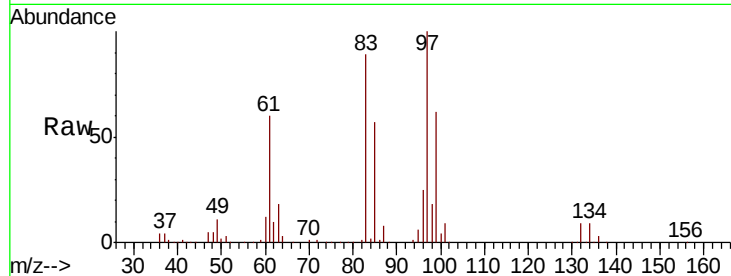
#55
 1,1,2-Trichloroethane
 Concen: 50.395 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	161019
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.4	104.0
85	57.4	44.6	66.8
99	62.2	49.2	73.8

Manual Integrations
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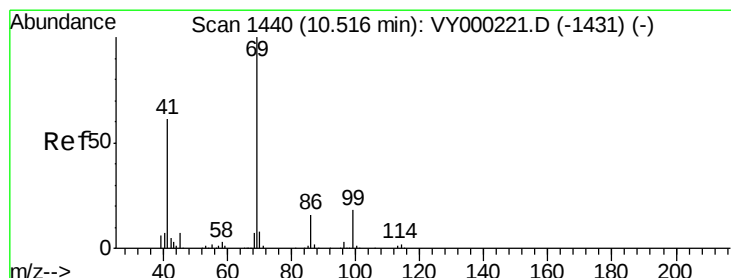
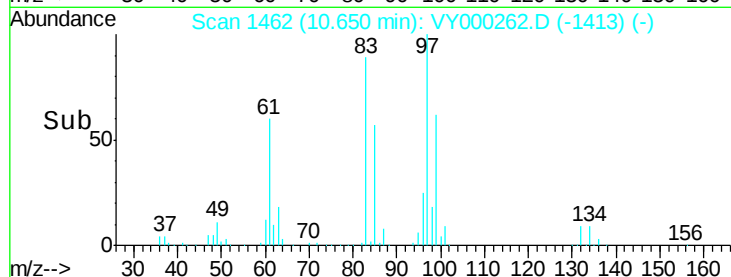
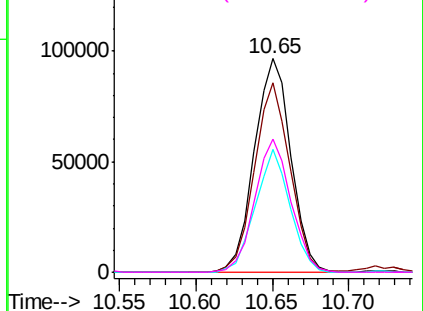
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

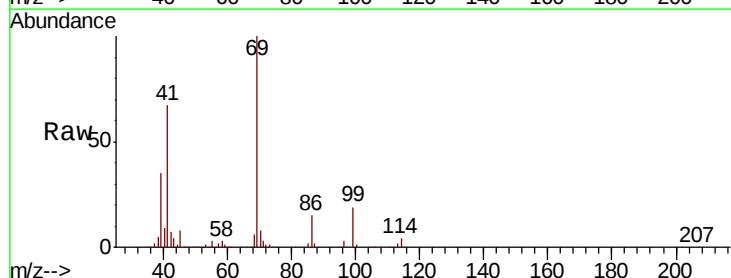
Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56
 Ethyl methacrylate
 Concen: 50.837 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion:	69	Resp:	285967
Ion	Ratio	Lower	Upper
69	100		
41	66.0	51.2	76.8
39	34.7	27.0	40.4

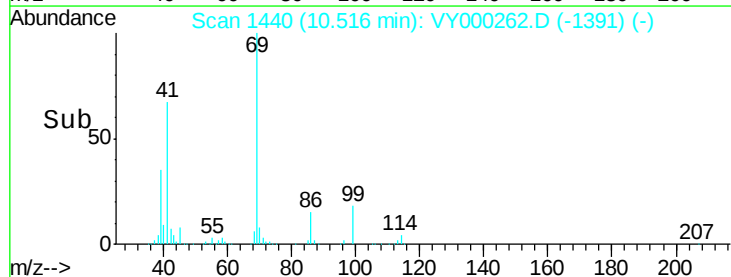
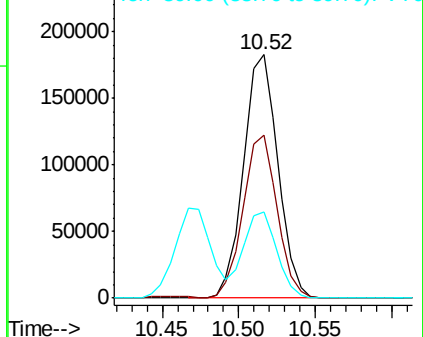


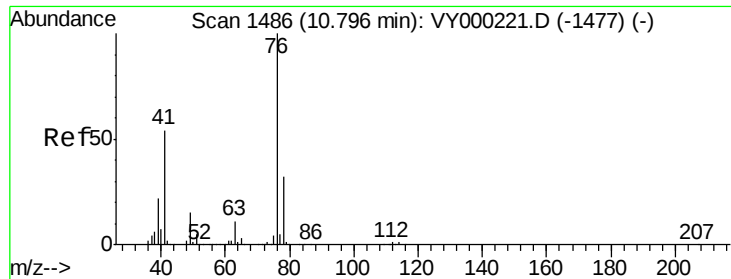
Abundance

Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





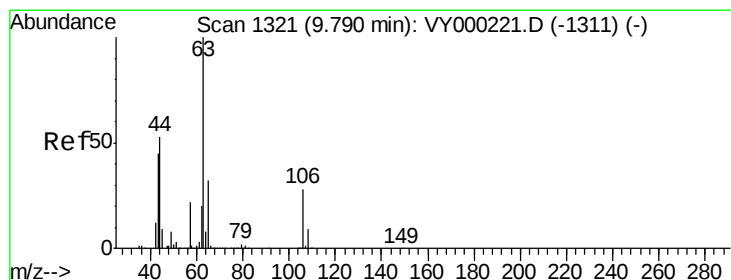
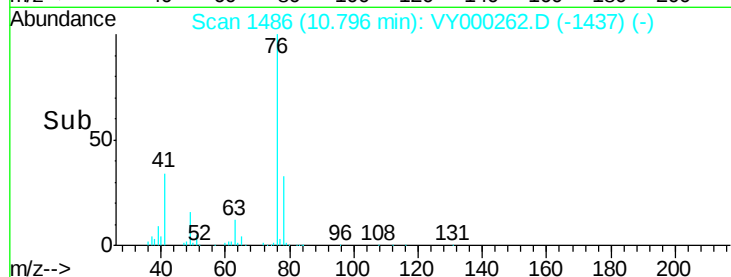
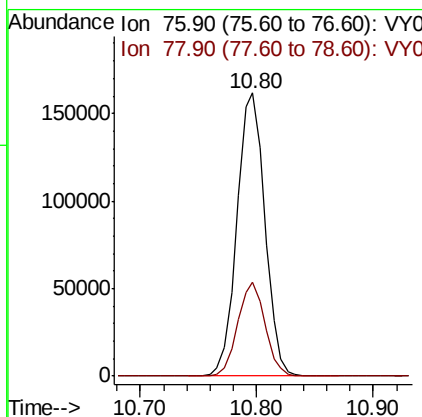
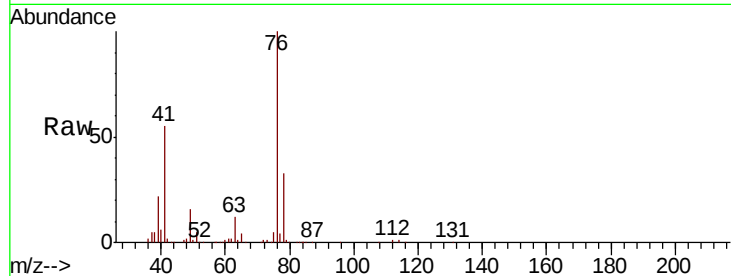
#57
 1,3-Dichloropropane
 Concen: 49.565 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 270403
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

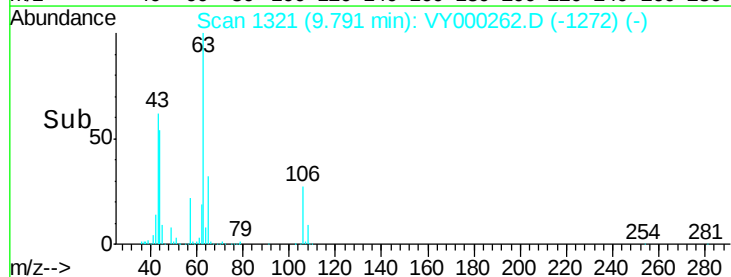
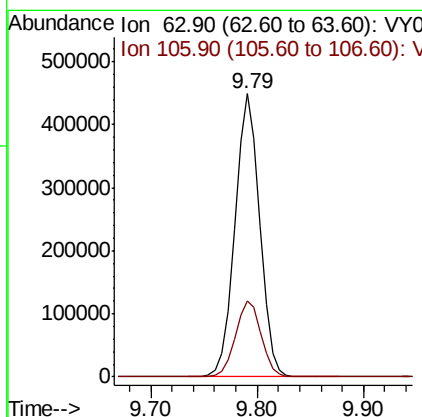
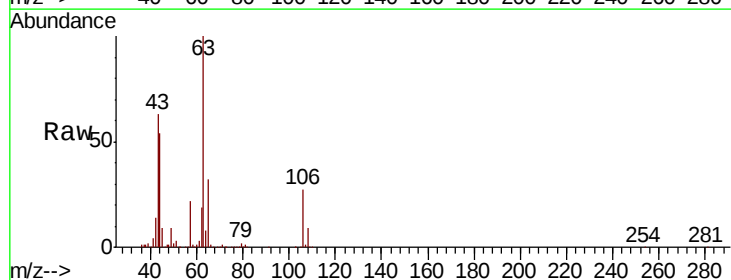
Manual Integrations
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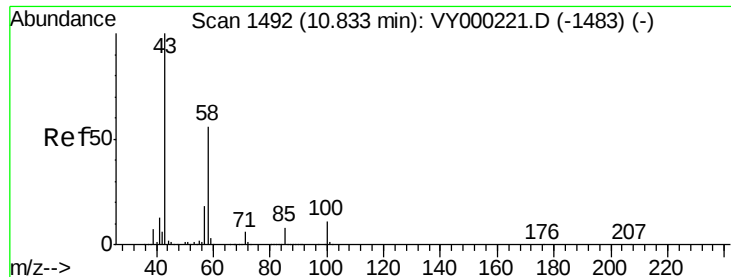
MMDadoda
 10/14/2019 1:34:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 291.055 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion: 63 Resp: 729777
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.6 33.8





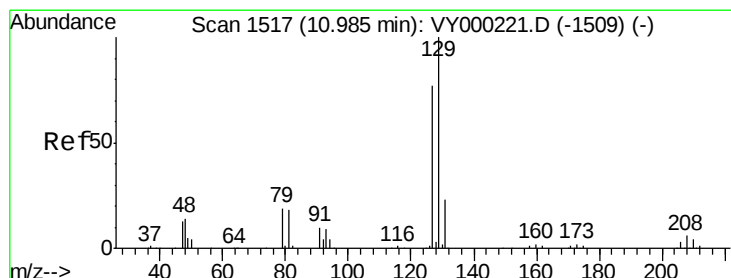
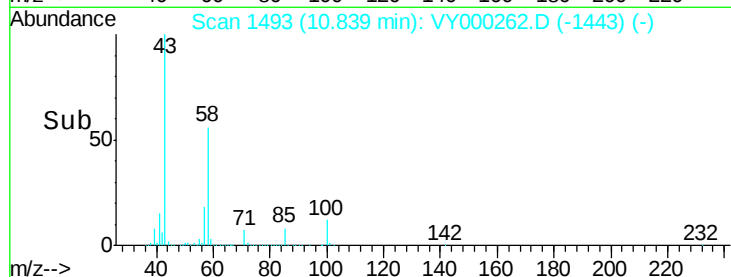
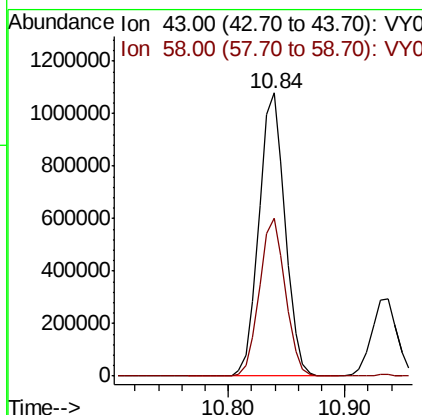
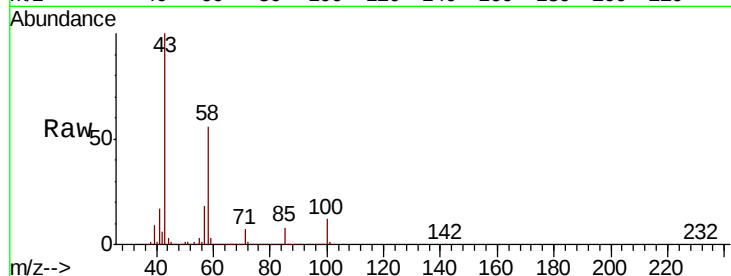
#59
2-Hexanone
Concen: 259.779 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1675312
Ion Ratio Lower Upper
43 100
58 55.4 28.2 84.6

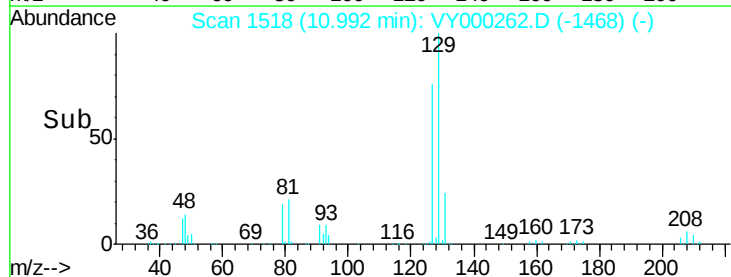
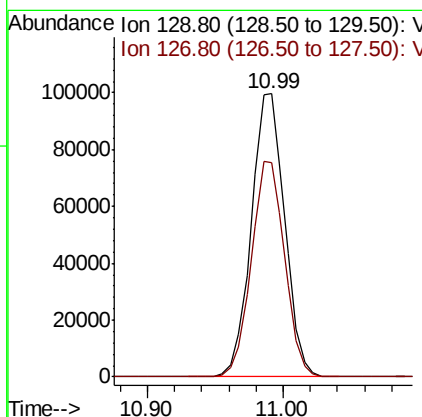
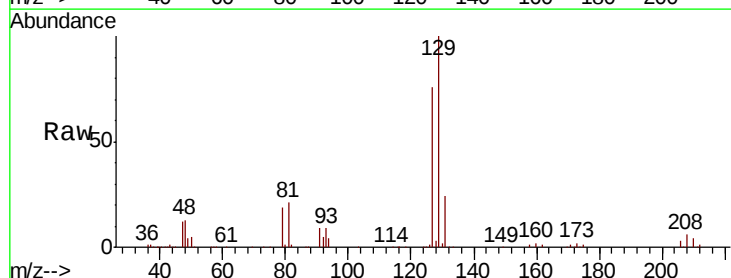
Manual Integrations
APPROVED

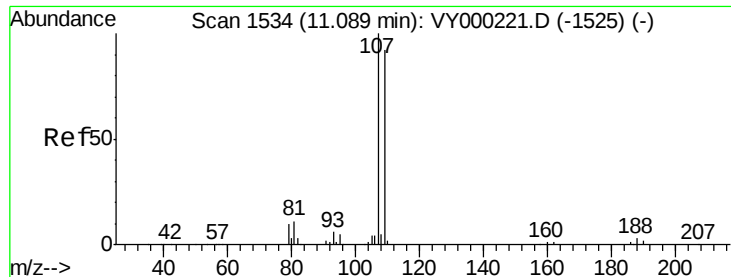
MMDadoda
10/14/2019 1:34:25 PM



#60
Dibromochloromethane
Concen: 50.805 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion: 129 Resp: 171630
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.839 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 169149

Ion Ratio Lower Upper

107 100

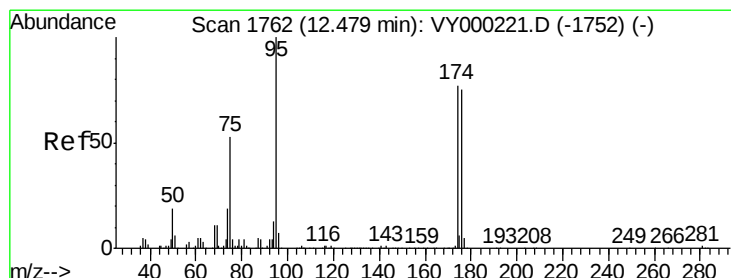
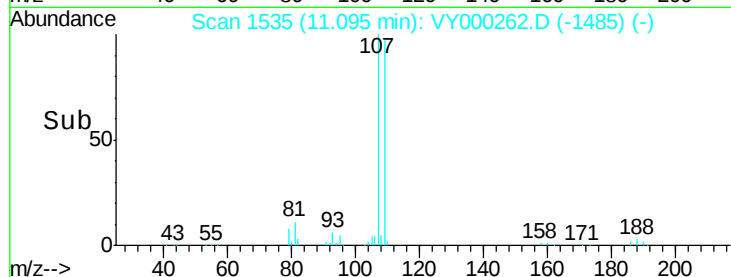
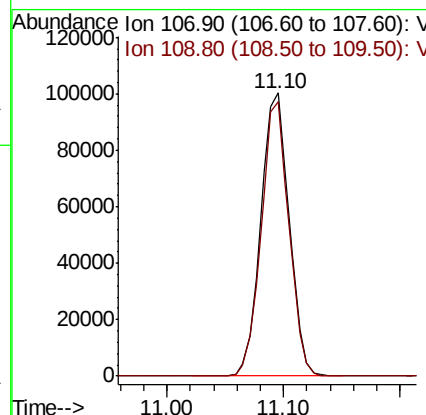
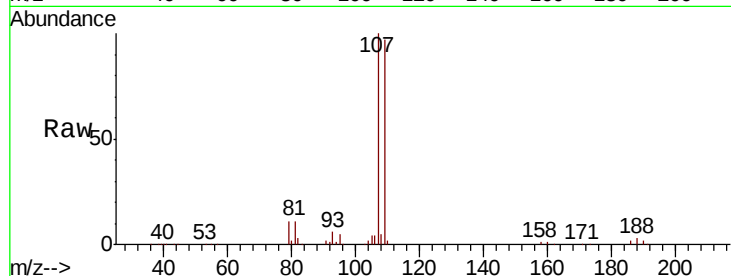
109 94.8 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:34:25 PM



#62

4-Bromofluorobenzene

Concen: 49.742 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

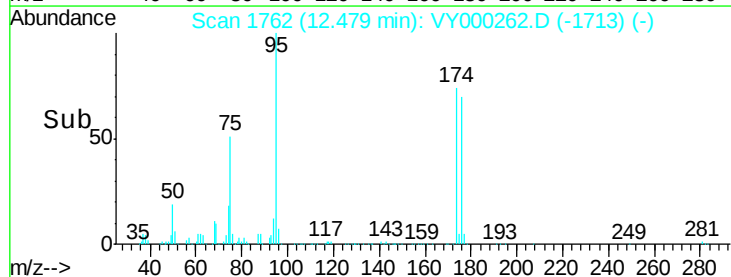
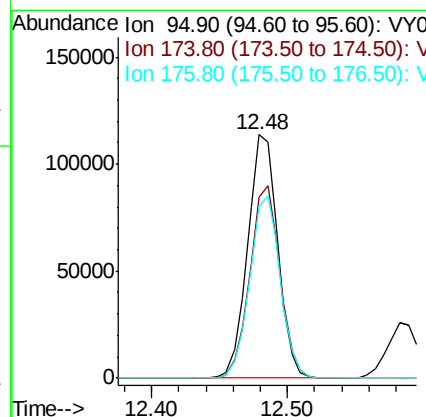
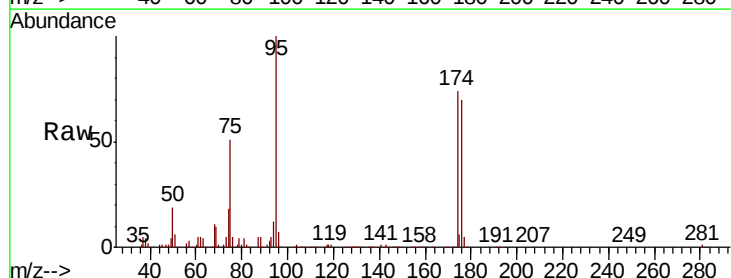
Tgt Ion: 95 Resp: 175876

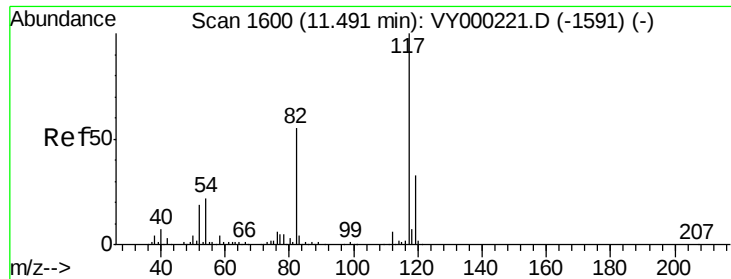
Ion Ratio Lower Upper

95 100

174 79.2 0.0 157.0

176 76.2 0.0 153.0





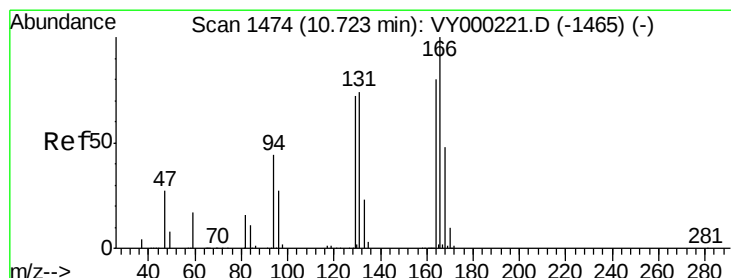
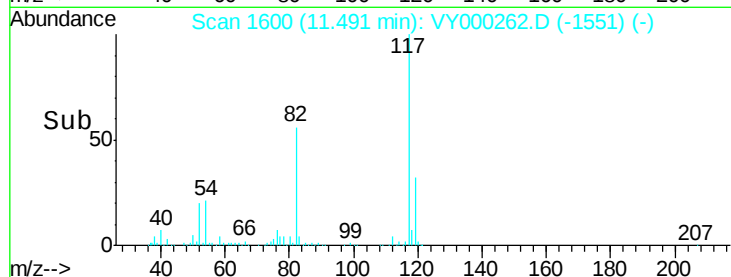
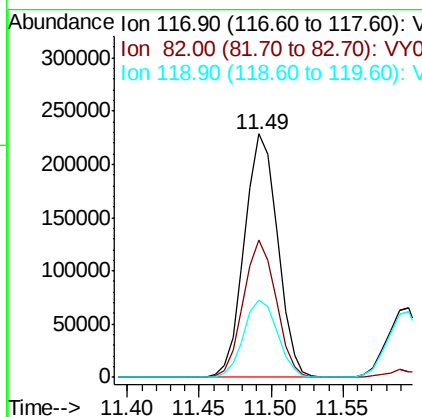
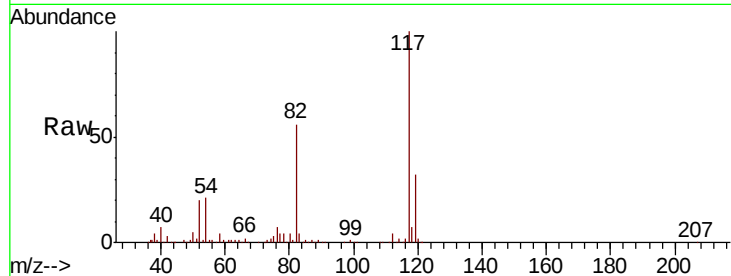
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	364745		
82	56.4		44.4	66.6
119	31.9		26.2	39.2

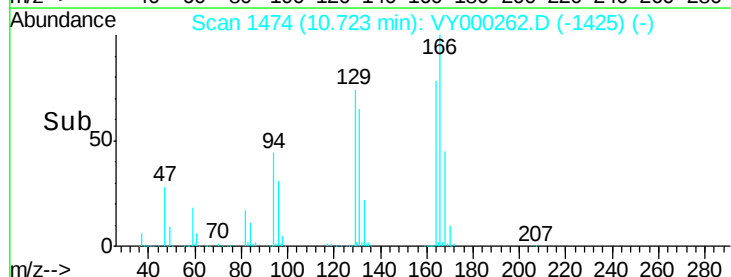
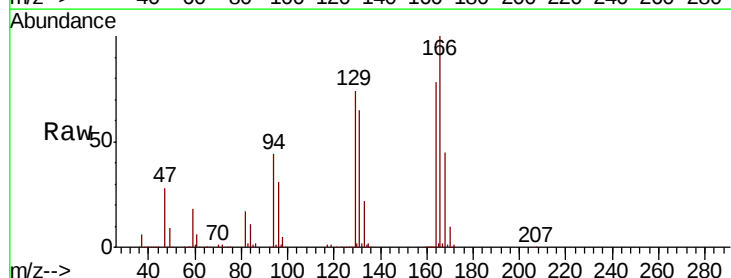
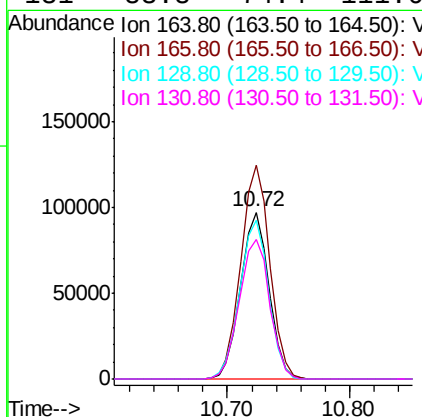
Manual Integrations
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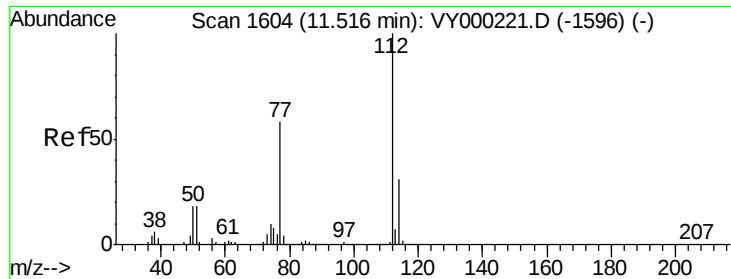
MMDadoda
10/14/2019 1:34:25 PM



#64
Tetrachloroethene
Concen: 47.083 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	156972		
166	128.0		100.3	150.5
129	95.3		72.4	108.6
131	83.8		74.4	111.6





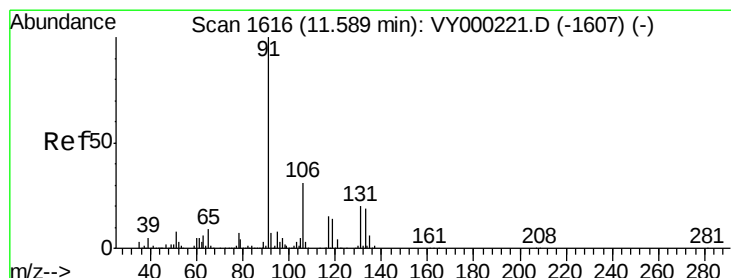
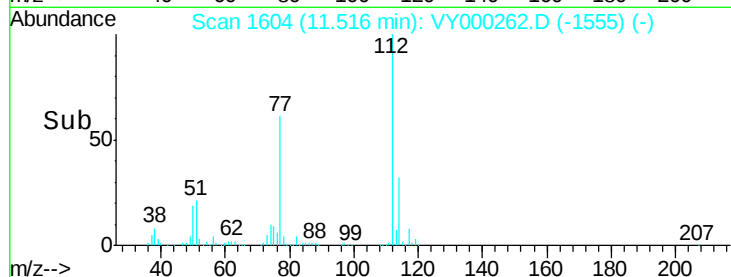
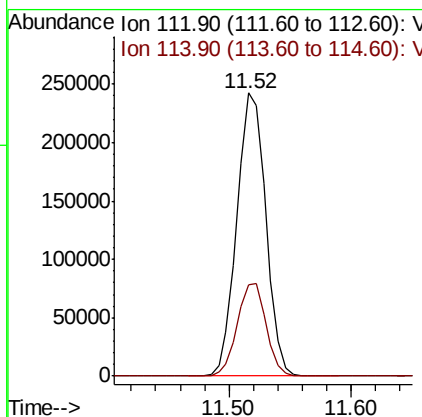
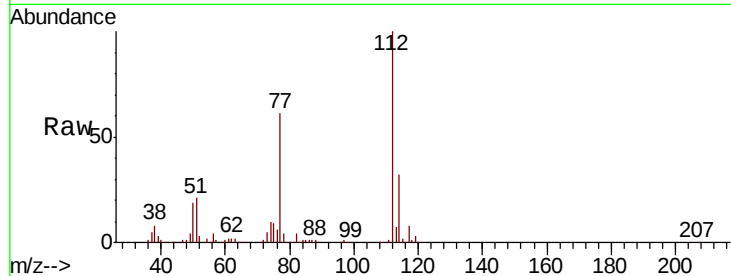
#65
Chlorobenzene
Concen: 47.036 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.0	37.4

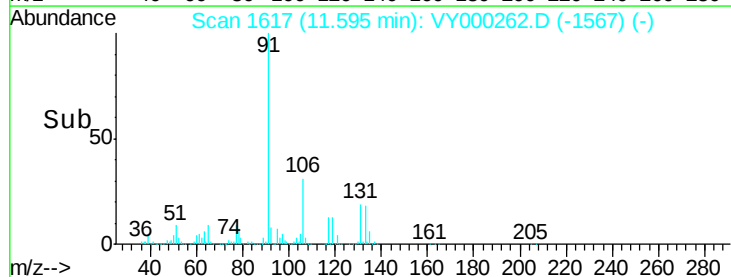
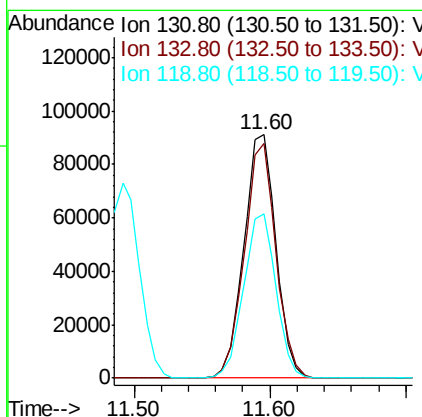
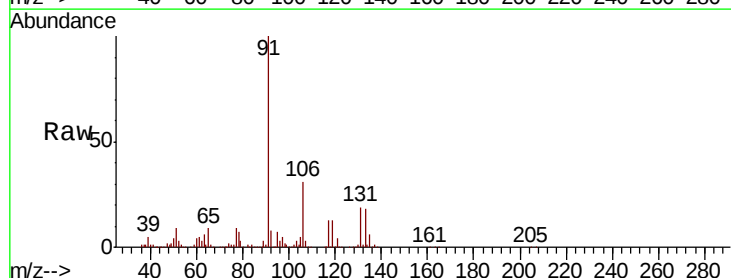
Manual Integrations
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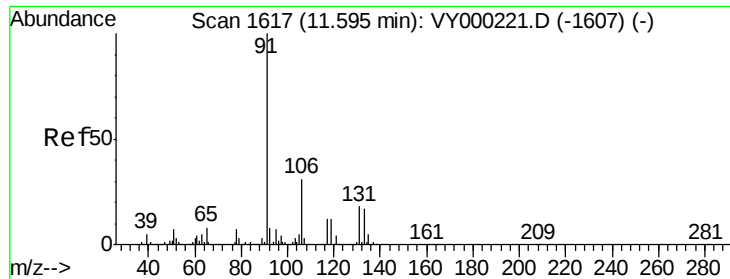
MMDadoda
10/14/2019 1:34:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.736 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.0	141.2
119	68.2	33.3	99.8





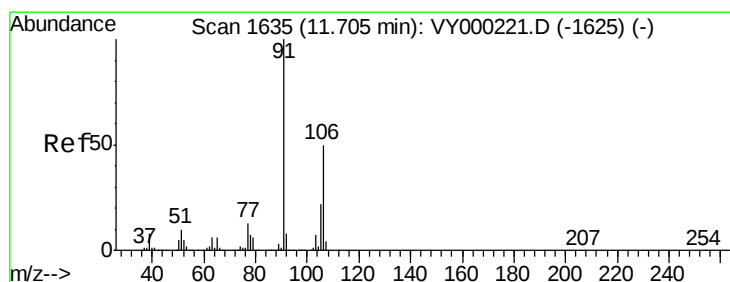
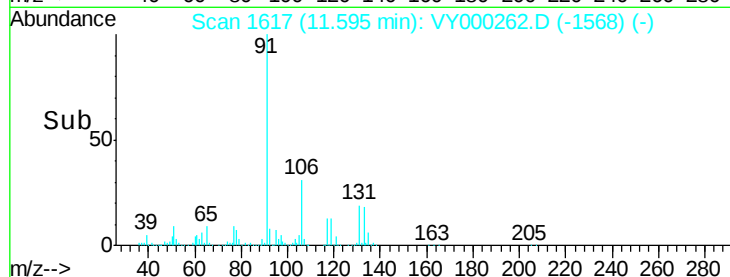
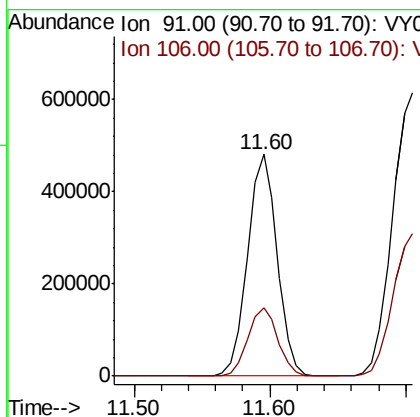
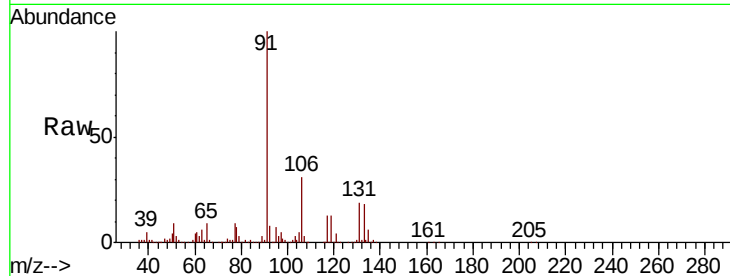
#67
Ethyl Benzene
Concen: 48.488 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.0	25.2	37.8	

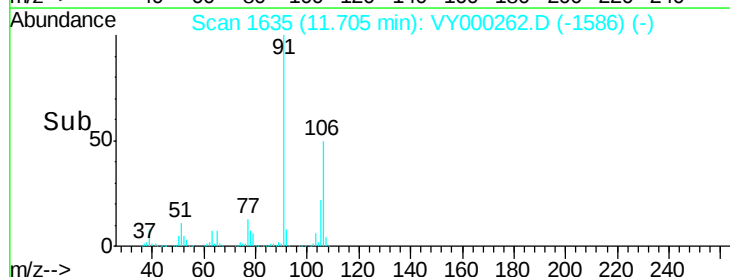
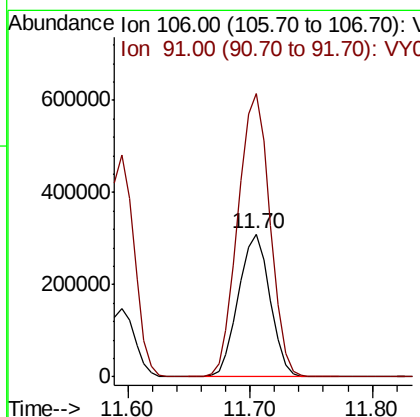
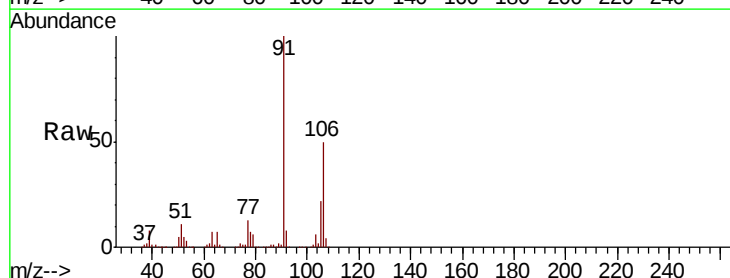
Manual Integrations
APPROVED

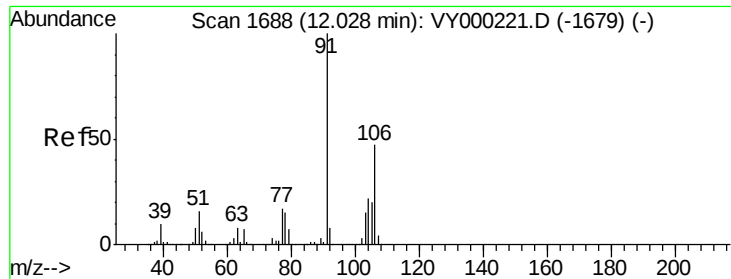
MMDadoda
10/14/2019 1:34:25 PM



#68
m/p-Xylenes
Concen: 96.577 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	200.9	159.9	239.9	





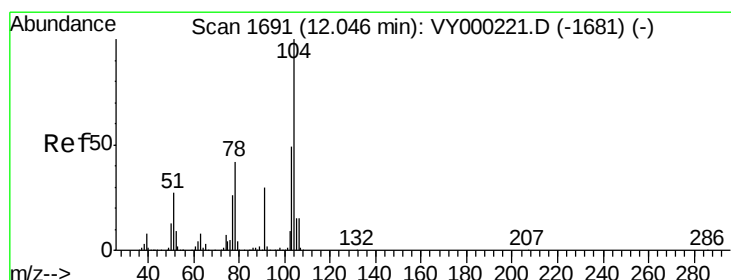
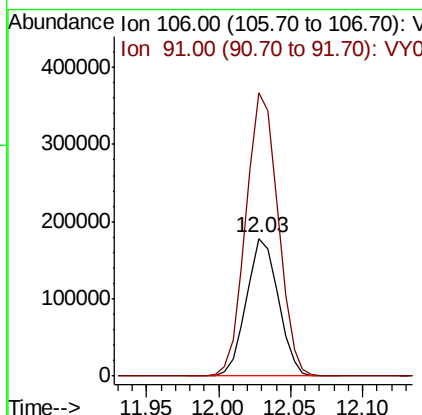
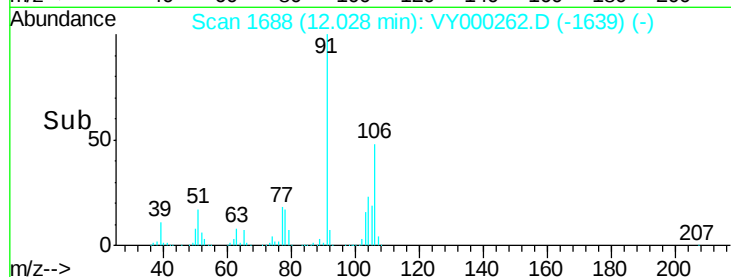
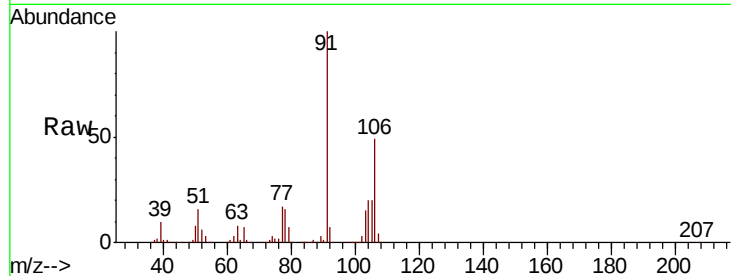
#69
o-Xylene
Concen: 49.269 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	207.6	106.1	318.1	

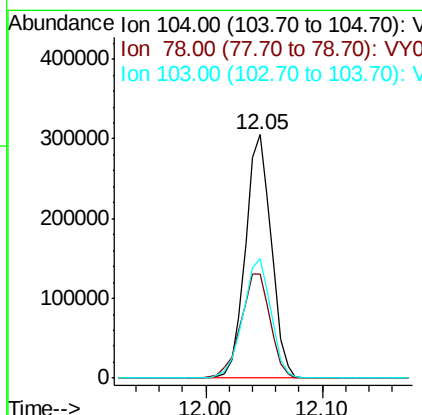
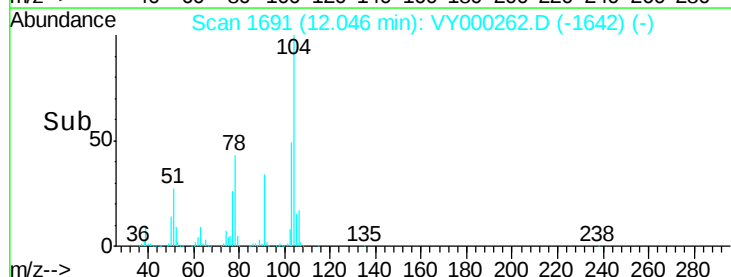
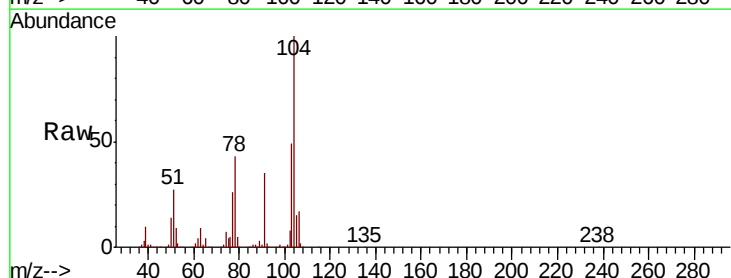
Manual Integrations
APPROVED

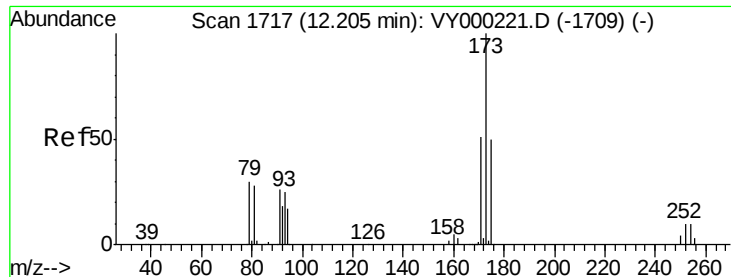
MMDadoda
10/14/2019 1:34:25 PM



#70
Styrene
Concen: 49.417 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	48.5	39.0	58.4	
103	53.0	43.1	64.7	





#71

Bromoform

Concen: 51.452 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

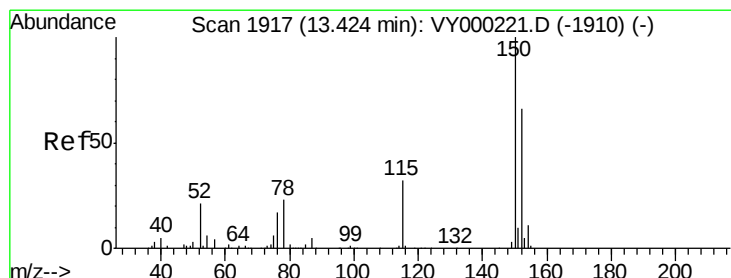
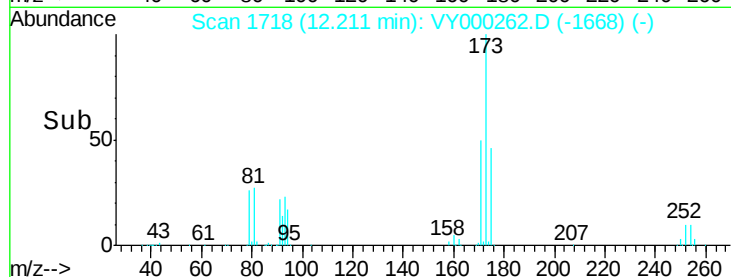
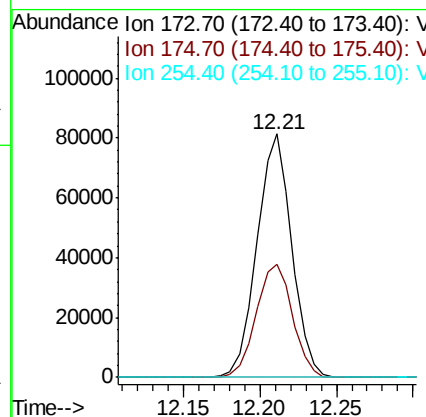
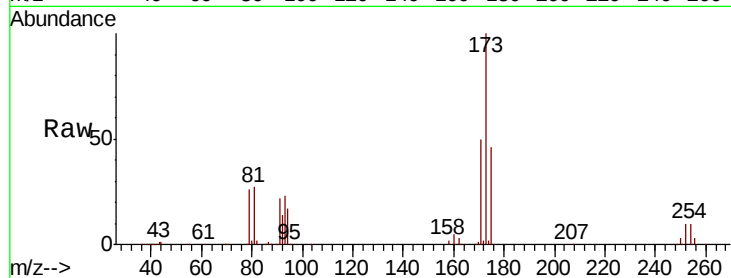
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.8	74.3
254	0.1	0.1	0.1

Manual Integrations
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10/14/2019 1:34:25 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

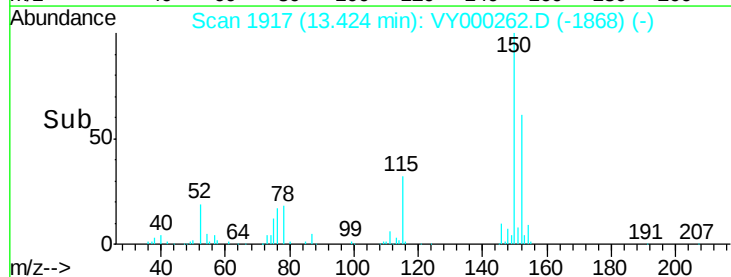
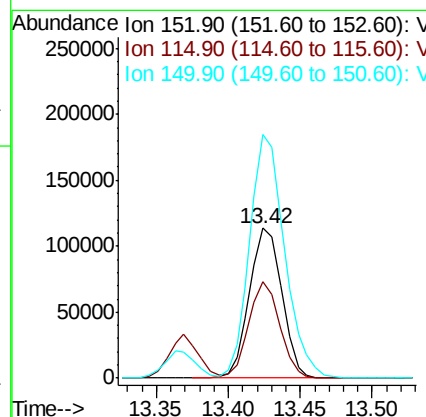
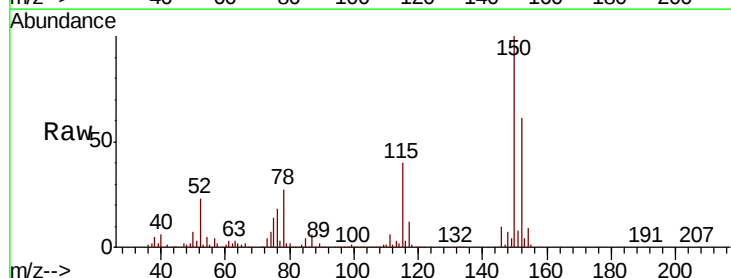
RT: 13.42 min Scan# 1917

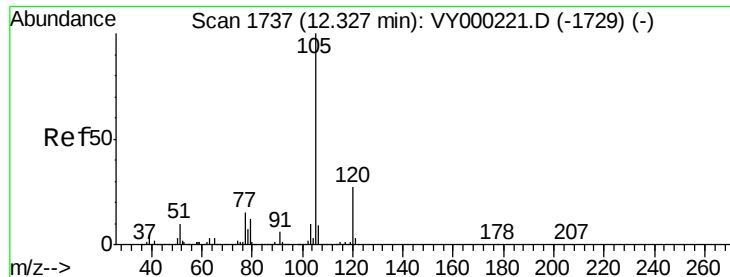
Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	29.3	88.0
150	175.0	0.0	349.6





#73

Isopropylbenzene

Concen: 47.497 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 712729

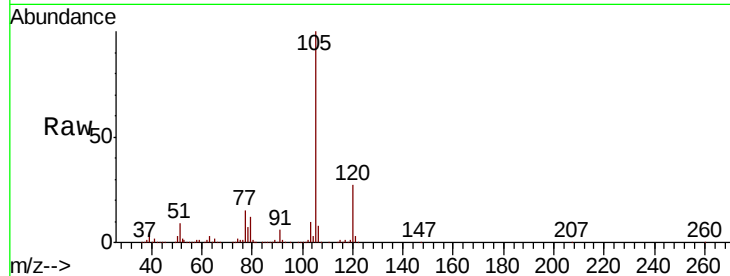
Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.8

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

500000

400000

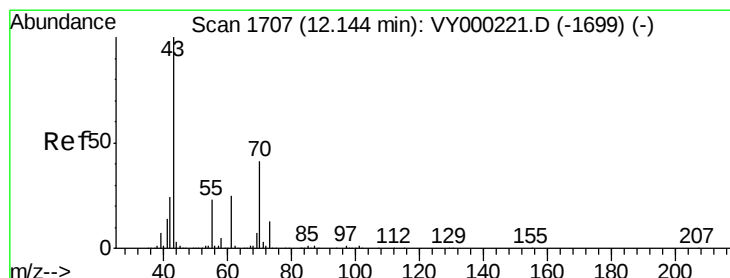
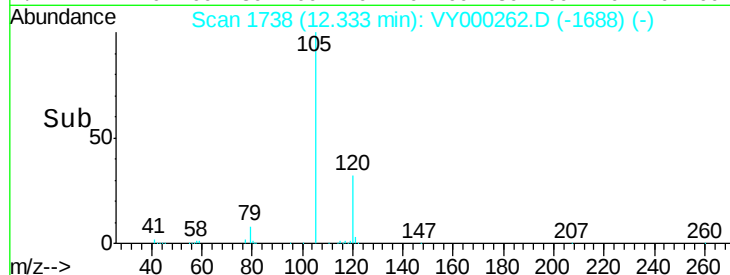
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 50.001 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Tgt Ion: 43 Resp: 396193

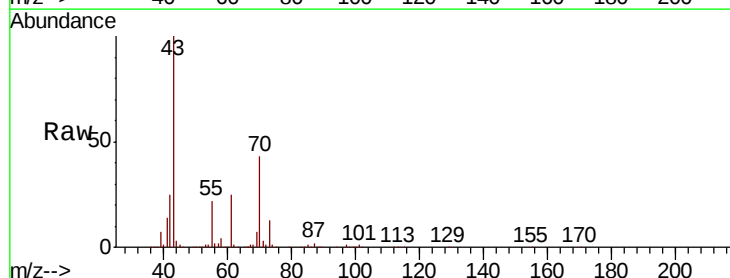
Ion Ratio Lower Upper

43 100

70 42.8 34.9 52.3

55 22.0 18.2 27.2

61 24.7 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

400000

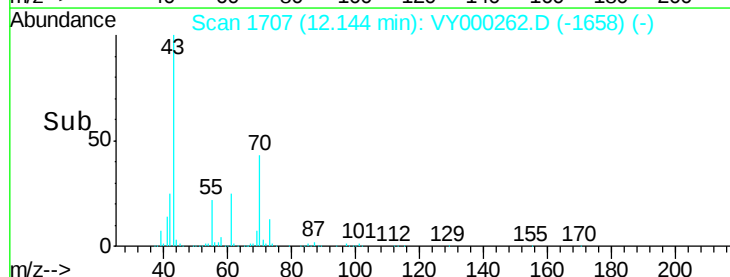
300000

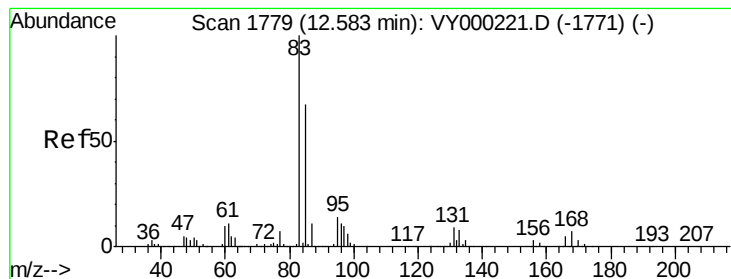
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.426 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 258238

Ion Ratio Lower Upper

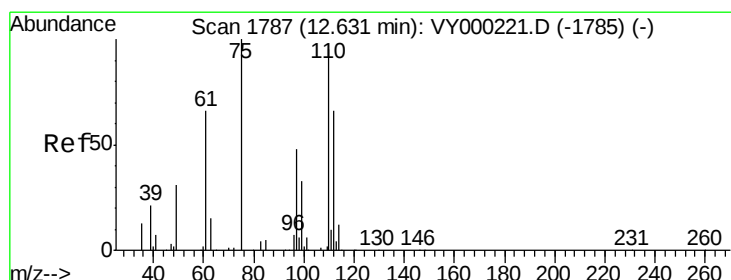
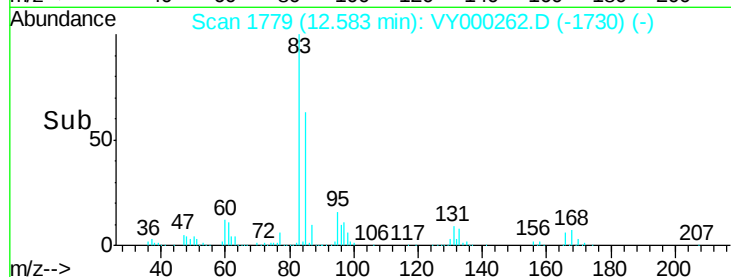
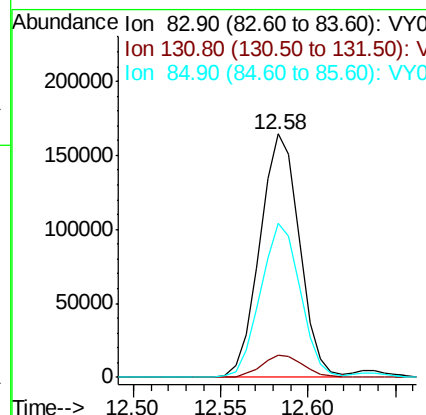
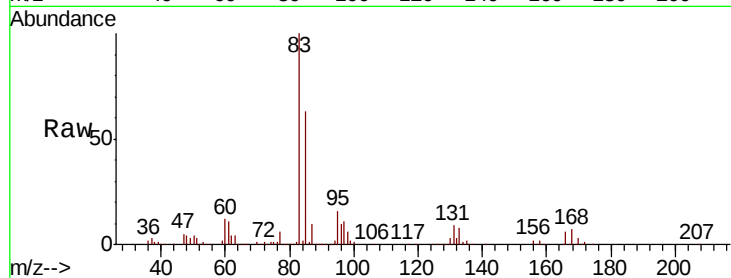
83 100

131 9.8 4.8 14.3

85 63.7 32.5 97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.676 ug/l m

RT: 12.64 min Scan# 1788

Delta R.T. 0.01 min

Lab File: VY000262.D

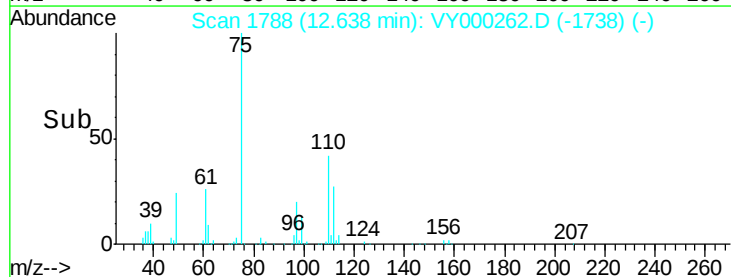
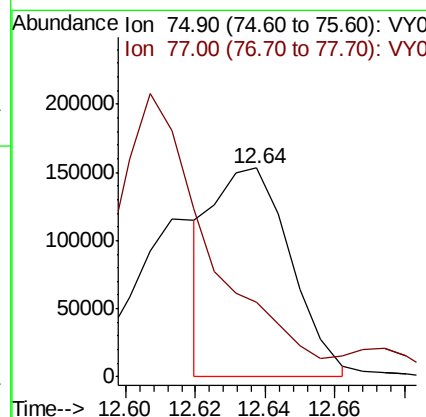
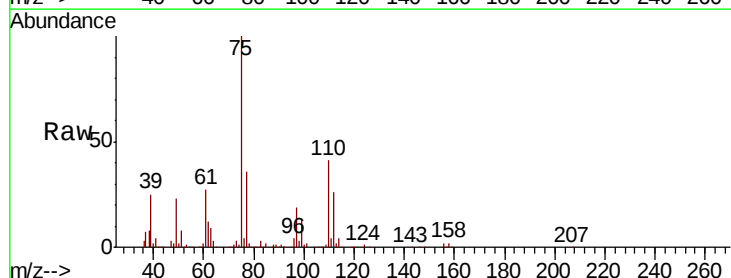
Acq: 10 Oct 2019 18:58

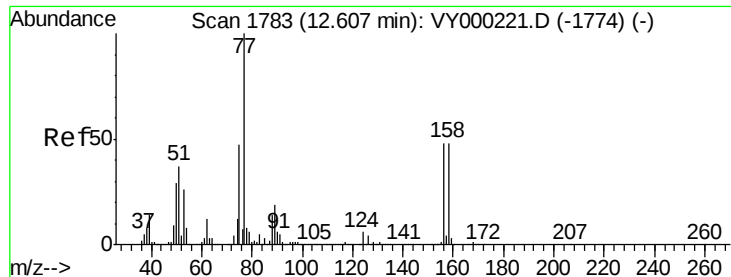
Tgt Ion: 75 Resp: 236929

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.333 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 166556

Ion Ratio Lower Upper

156 100

77 236.3 118.1 354.3

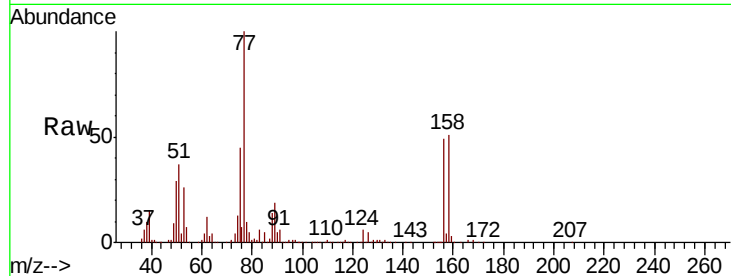
158 98.3 47.8 143.3

Manual Integrations

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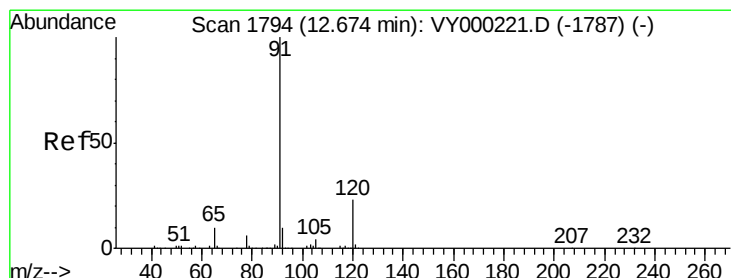
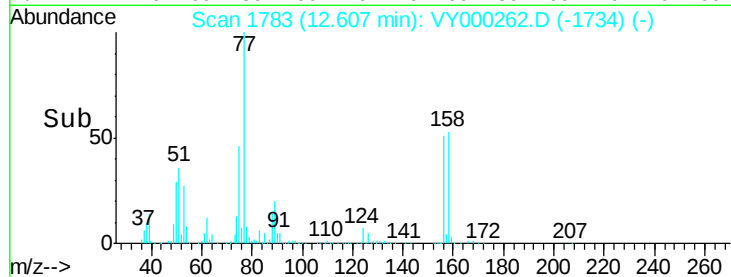
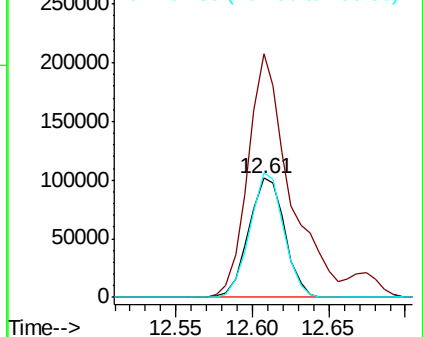
10/14/2019 1:34:25 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.267 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY000262.D

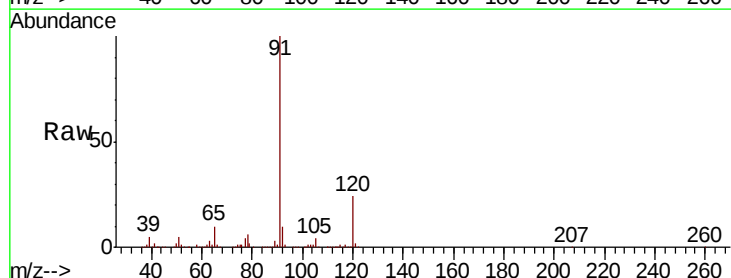
Acq: 10 Oct 2019 18:58

Tgt Ion: 91 Resp: 845990

Ion Ratio Lower Upper

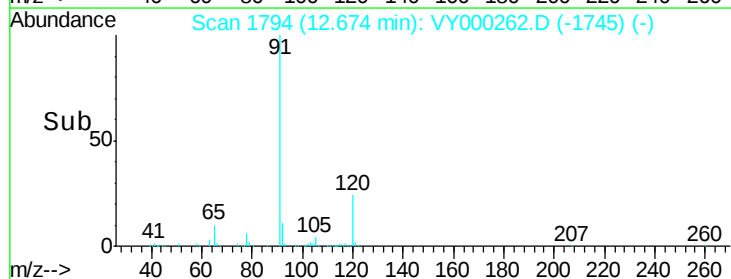
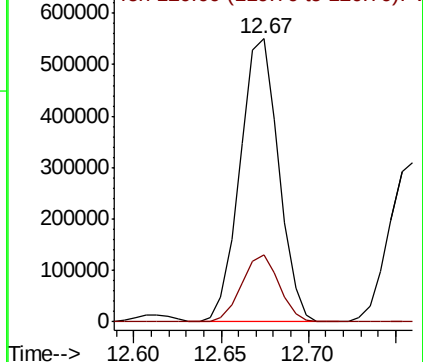
91 100

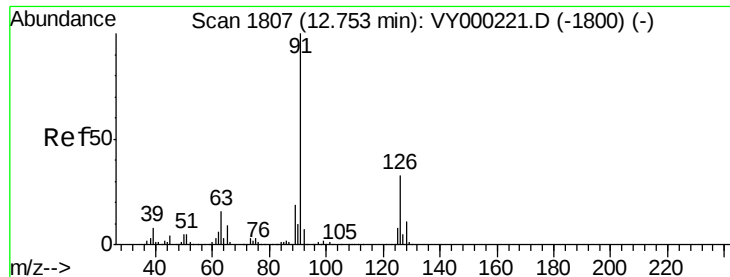
120 23.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.803 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 482404

Ion Ratio Lower Upper

91 100

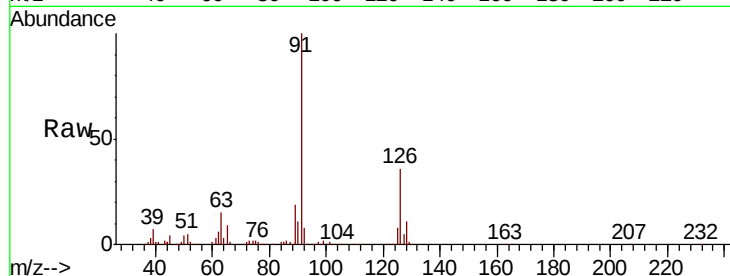
126 34.6 17.2 51.6

Manual Integrations

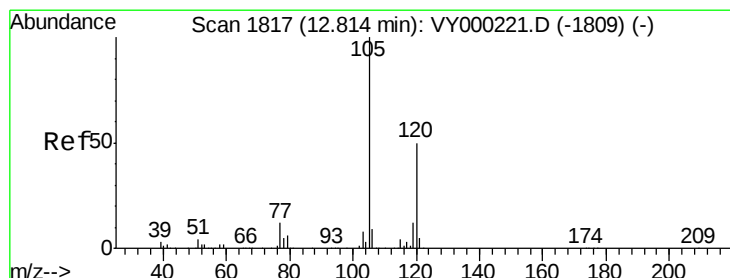
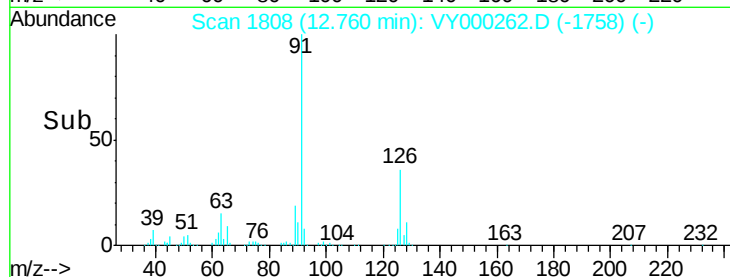
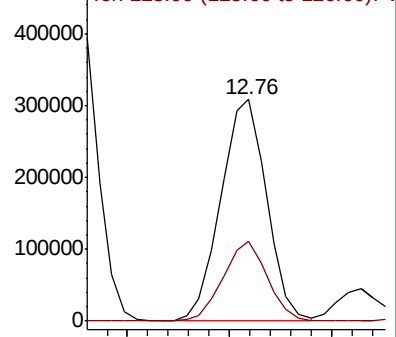
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Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.973 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000262.D

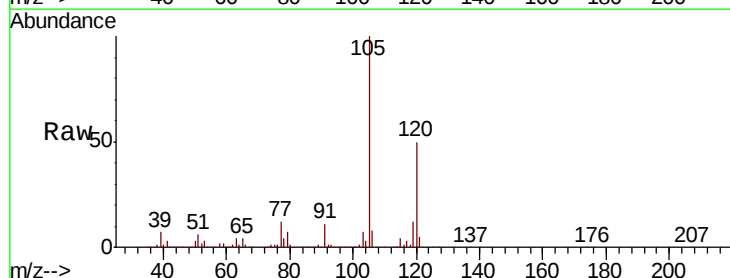
Acq: 10 Oct 2019 18:58

Tgt Ion: 105 Resp: 600665

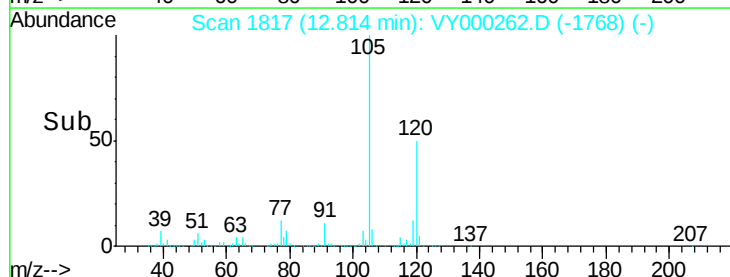
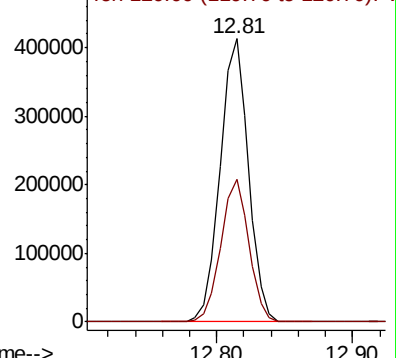
Ion Ratio Lower Upper

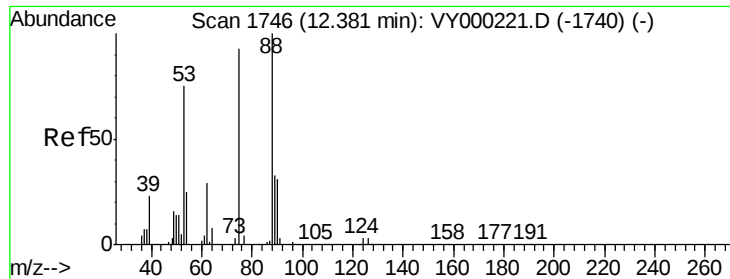
105 100

120 50.0 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VY000221.D (-1809) (-)





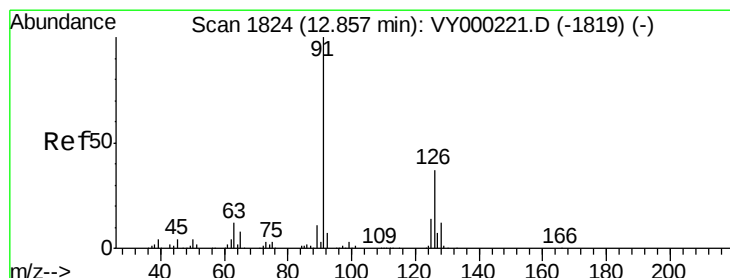
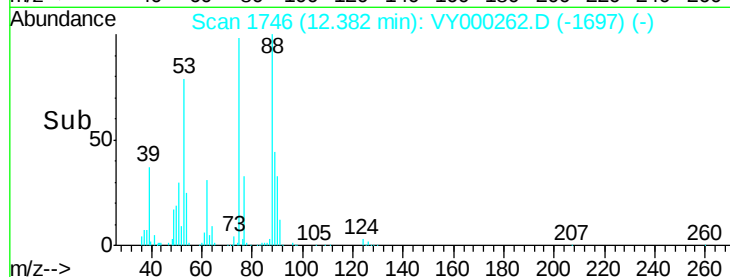
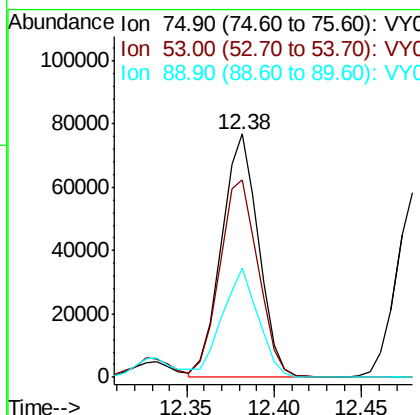
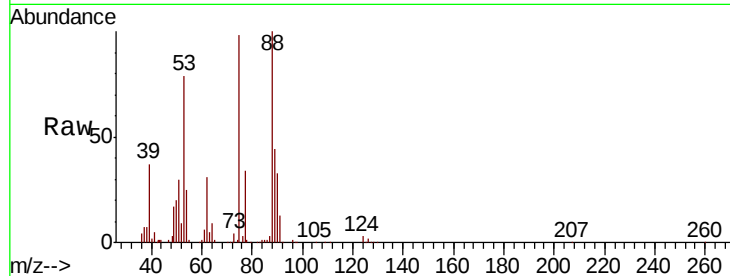
#81
trans-1,4-Dichloro-2-butene
Concen: 46.711 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.2	66.5	99.7
89	45.1	46.9	70.3

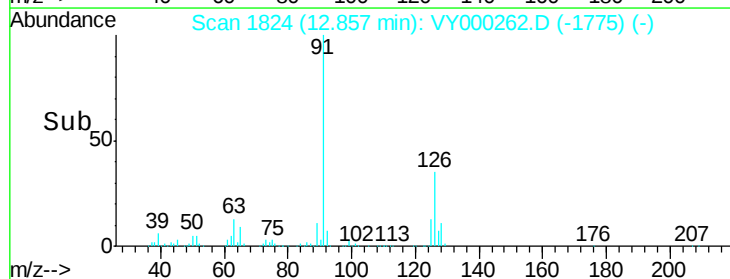
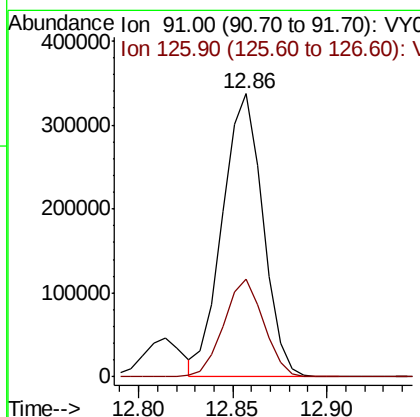
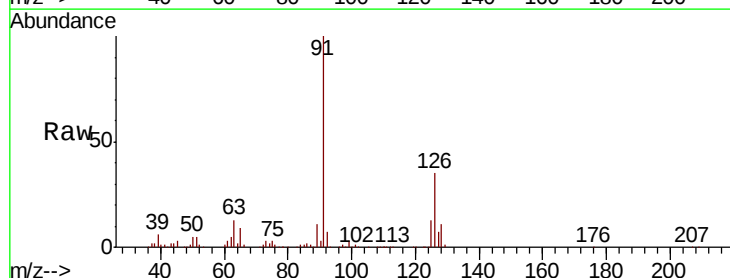
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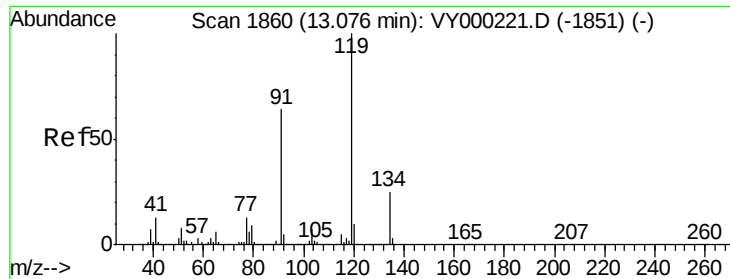
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.340 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0





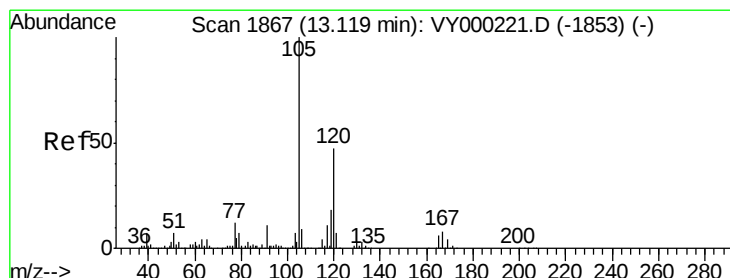
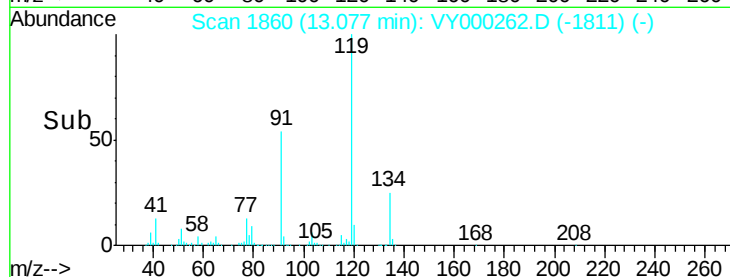
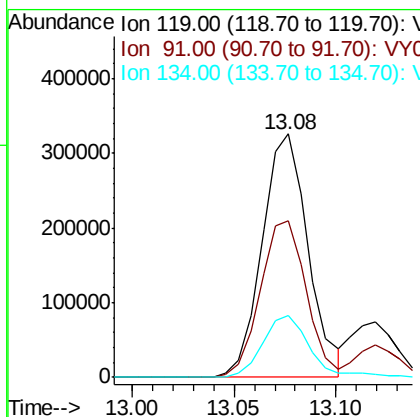
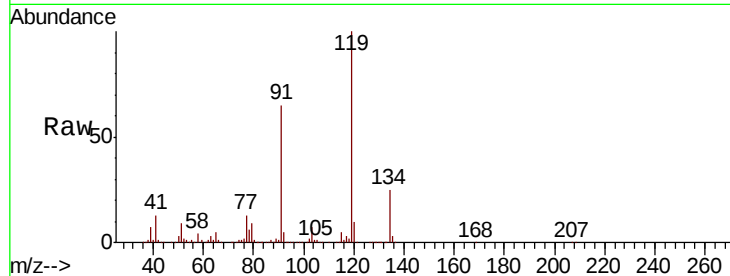
#83
tert-Butylbenzene
Concen: 47.186 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	32.4	97.2
134	26.0	13.2	39.6

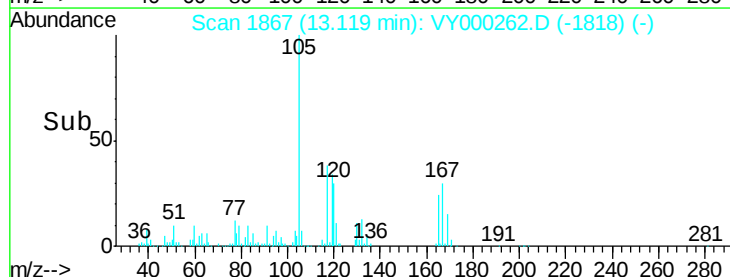
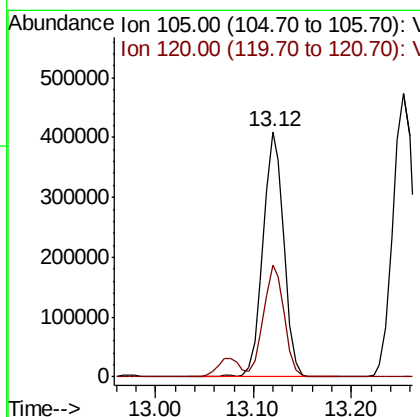
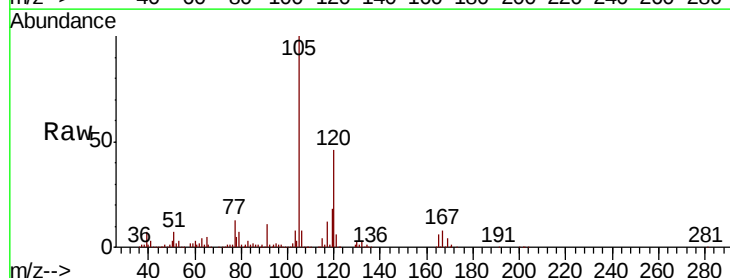
Manual Integrations
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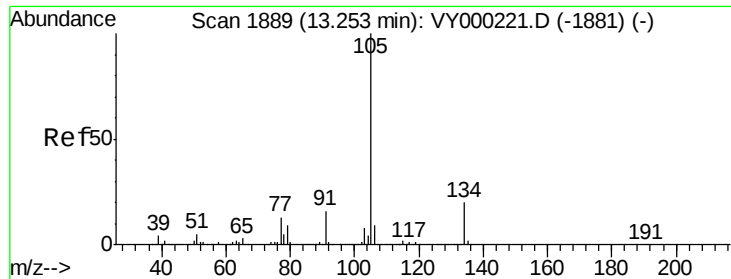
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.603 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.3





#85

sec-Butylbenzene

Concen: 47.336 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 710066

Ion Ratio Lower Upper

105 100

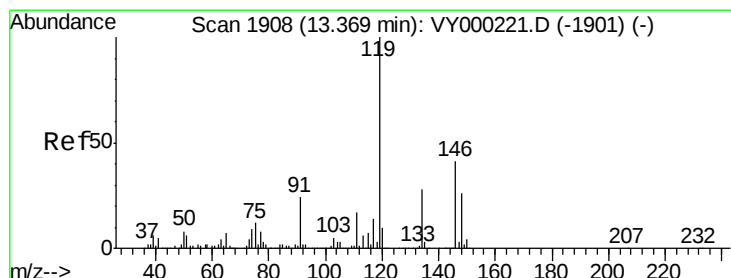
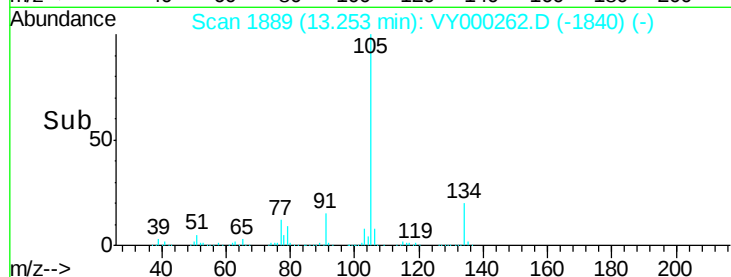
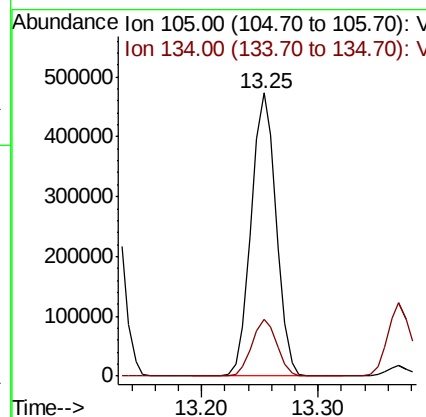
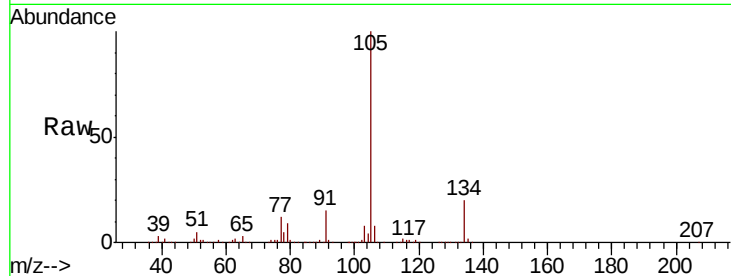
134 20.3 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.094 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

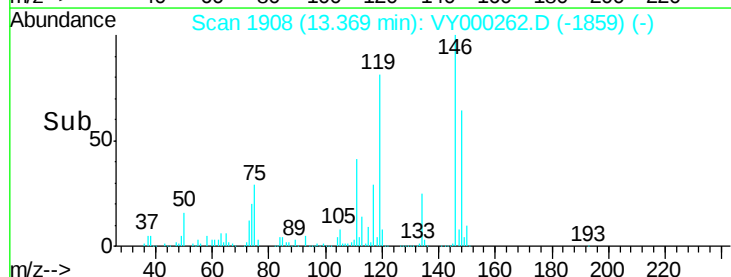
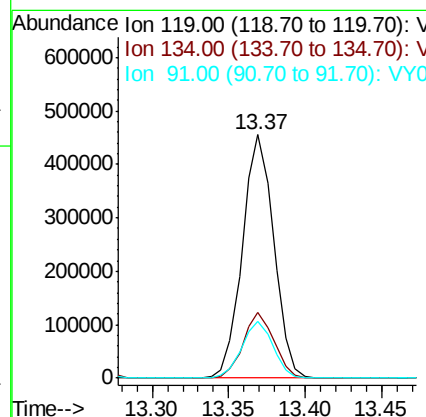
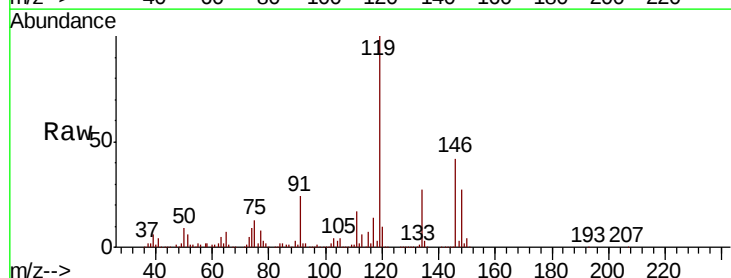
Tgt Ion:119 Resp: 647598

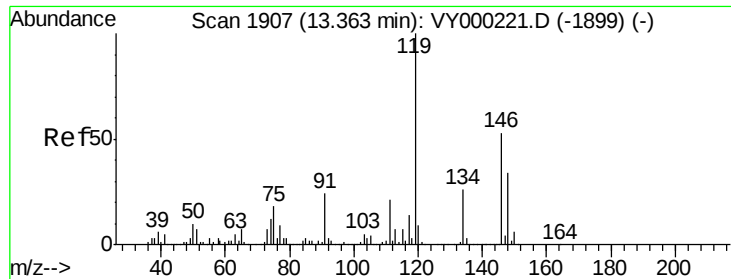
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.1 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 48.469 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

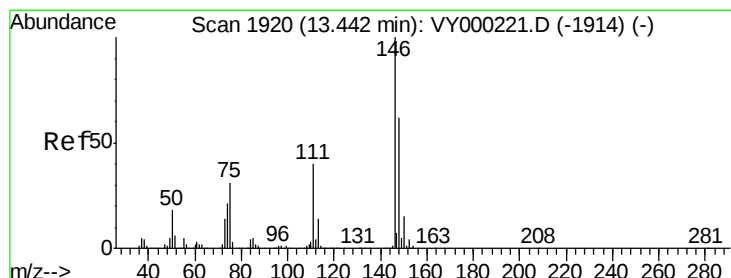
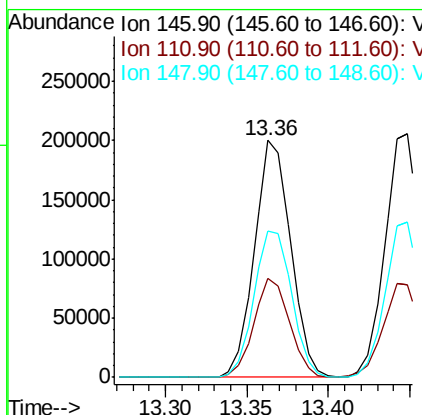
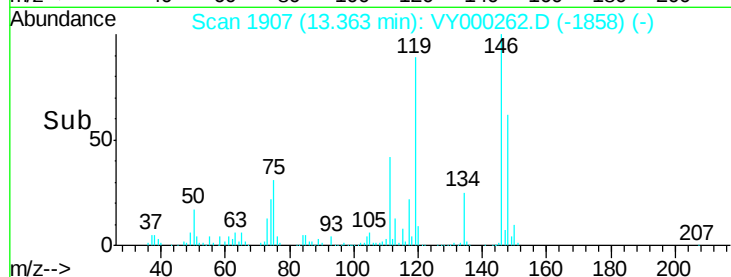
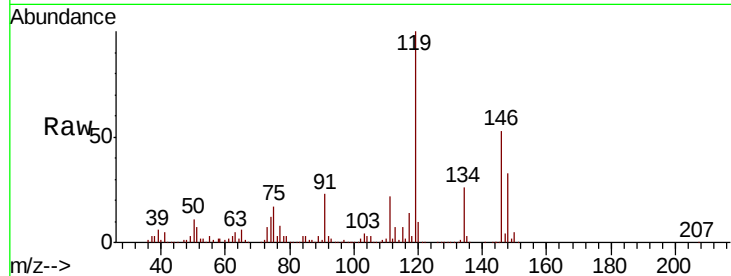
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	309112
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.3	60.8
148	64.2	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.404 ug/l

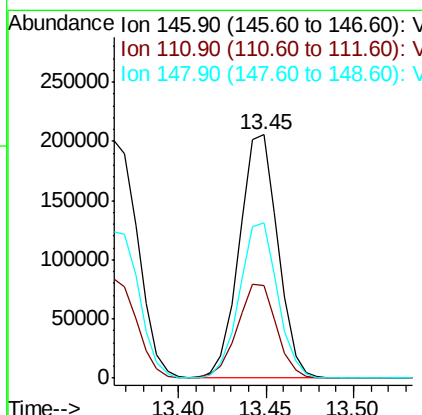
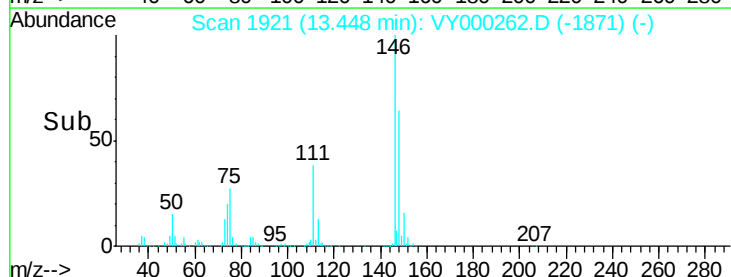
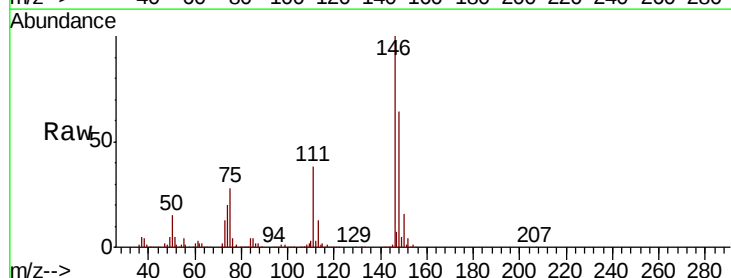
RT: 13.45 min Scan# 1921

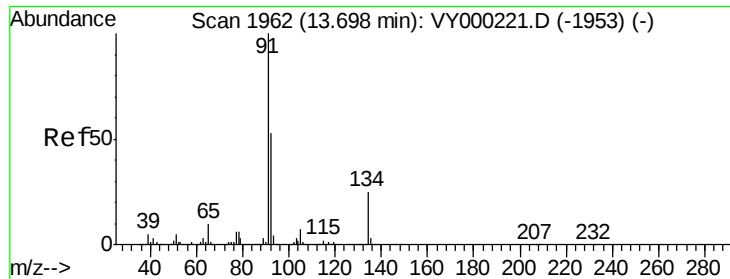
Delta R.T. 0.01 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Tgt Ion:	146	Resp:	314904
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.8	59.3
148	63.1	31.6	94.8





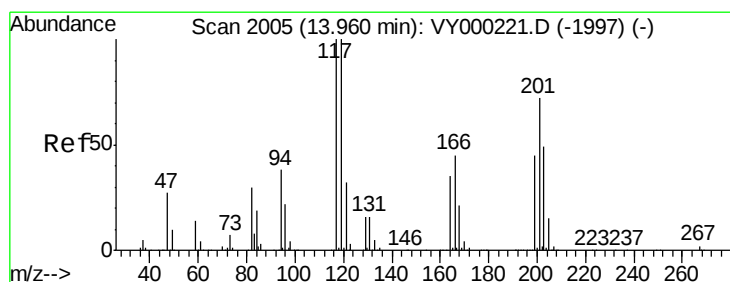
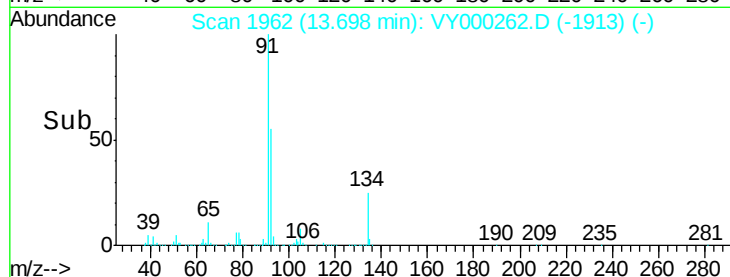
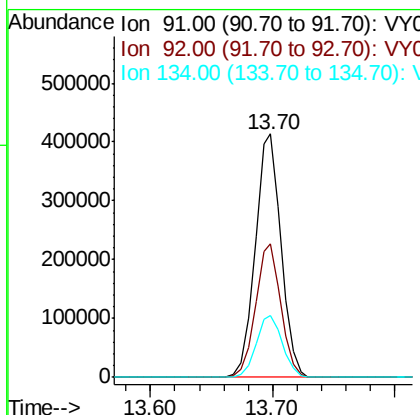
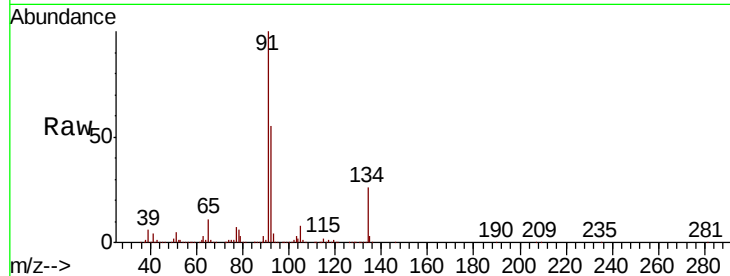
#89
n-Butylbenzene
Concen: 48.820 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.0	80.8
134	25.8	12.8	38.4

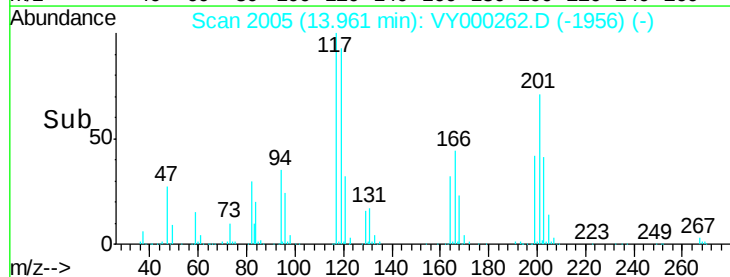
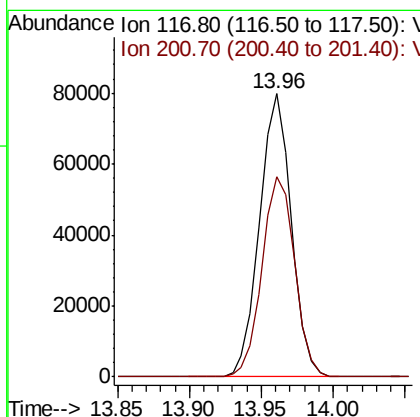
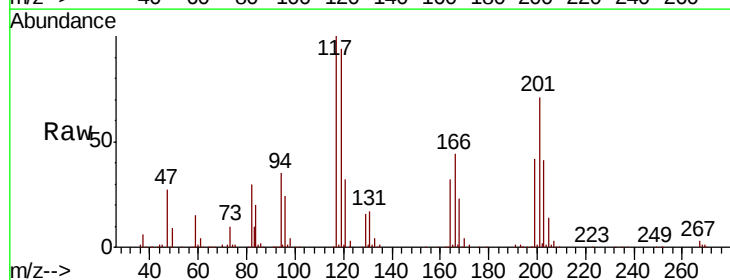
Manual Integrations
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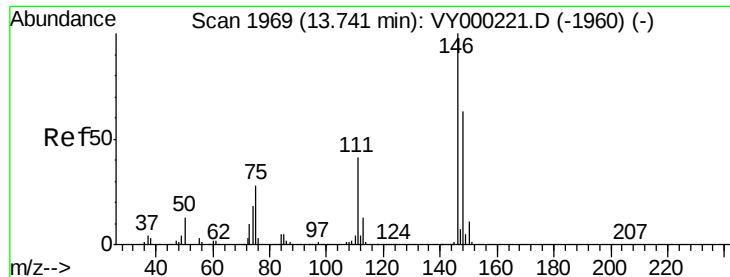
MMDadoda
10/14/2019 1:34:25 PM



#90
Hexachloroethane
Concen: 48.558 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000262.D
Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.0	35.5	106.5





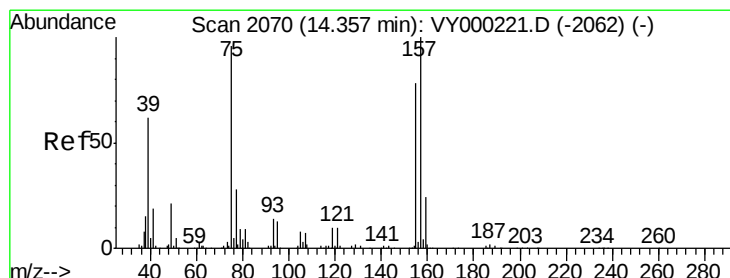
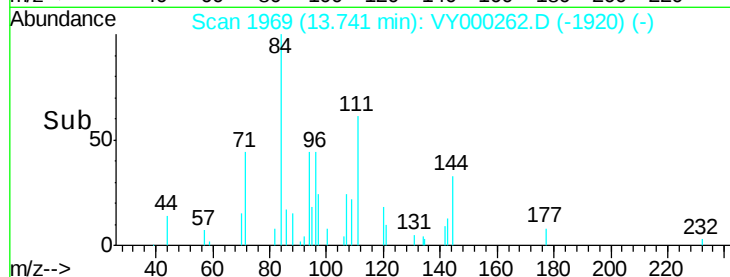
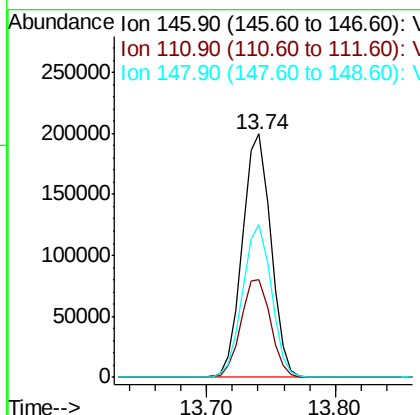
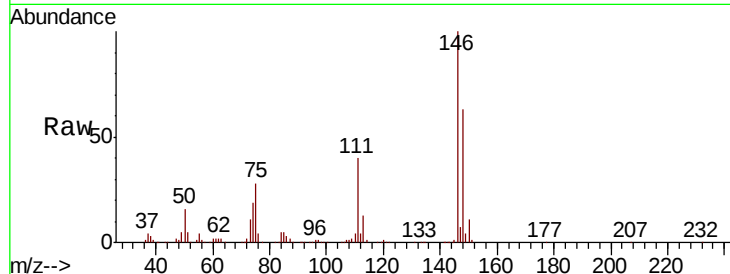
#91
 1,2-Dichlorobenzene
 Concen: 47.235 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.8
148	63.5	31.6	95.0

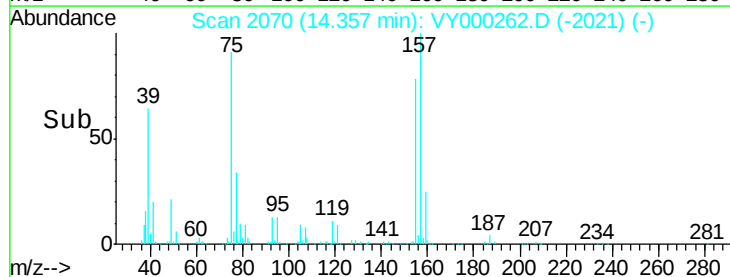
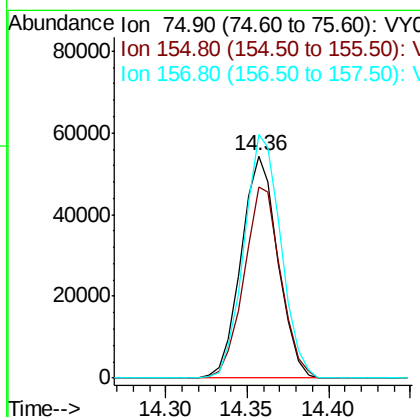
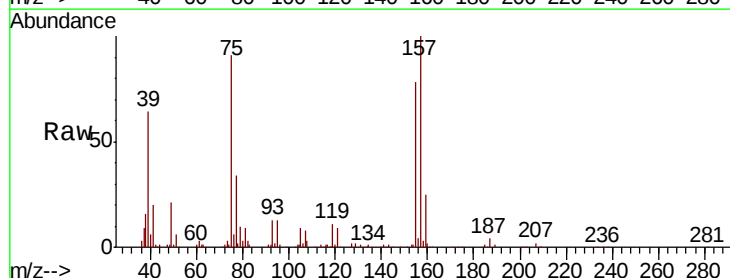
Manual Integrations
 APPROVED

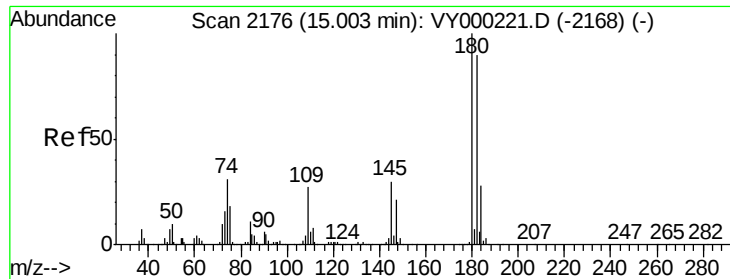
MMDadoda
 10/14/2019 1:34:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.134 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	42.4	127.3
157	110.0	53.8	161.5





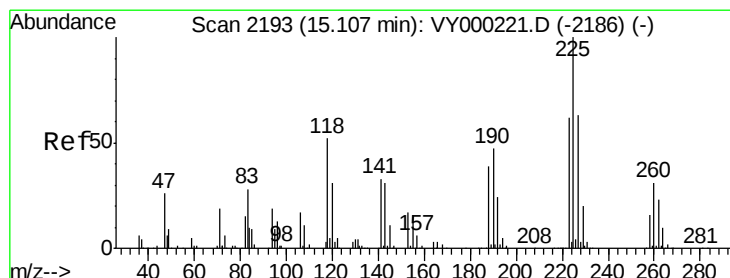
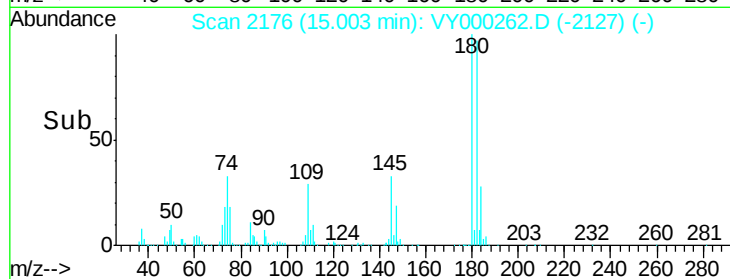
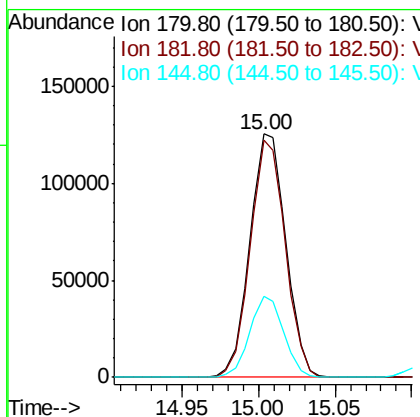
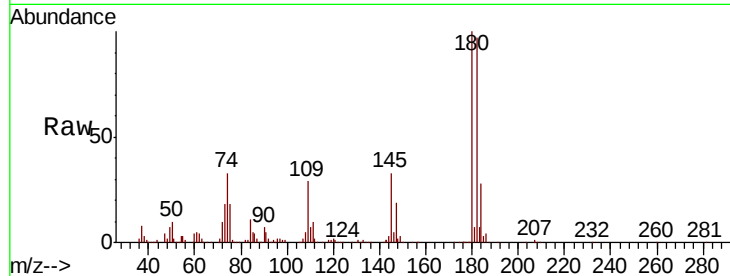
#93
 1,2,4-Trichlorobenzene
 Concen: 46.704 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	204691		
182	95.1	47.2	141.6	
145	31.6	15.3	45.8	

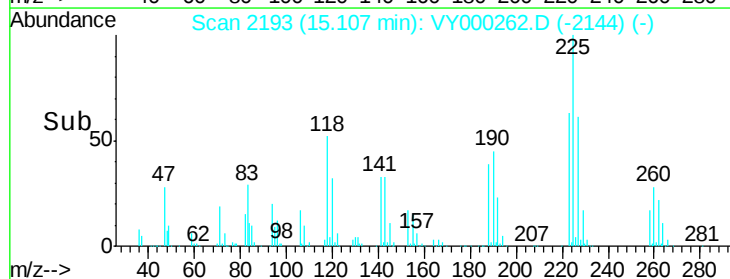
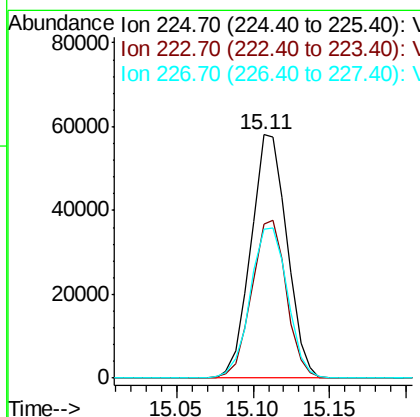
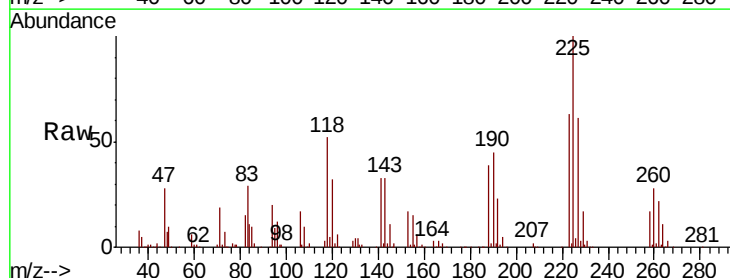
Manual Integrations
 APPROVED

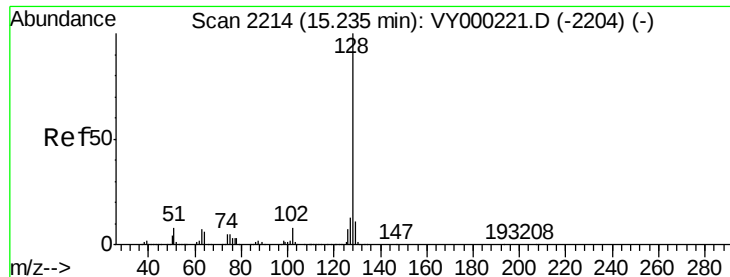
MMDadoda
 10/14/2019 1:34:25 PM



#94
 Hexachlorobutadiene
 Concen: 45.656 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000262.D
 Acq: 10 Oct 2019 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95622		
223	62.3	31.9	95.5	
227	63.4	31.5	94.5	





#95

Naphthalene

Concen: 49.180 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Instrument :

MSVOA_Y

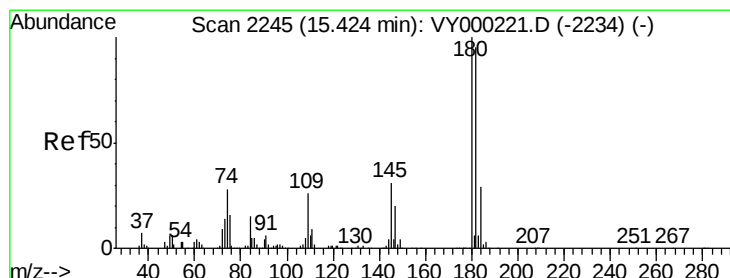
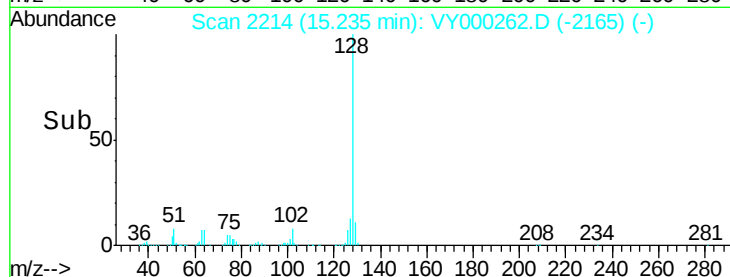
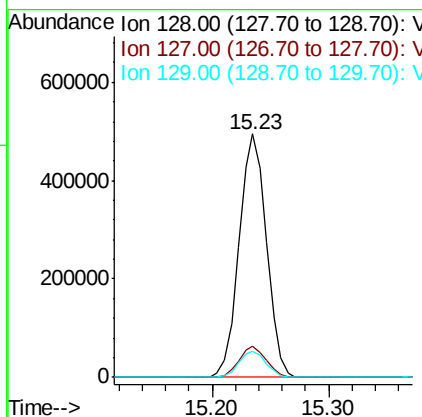
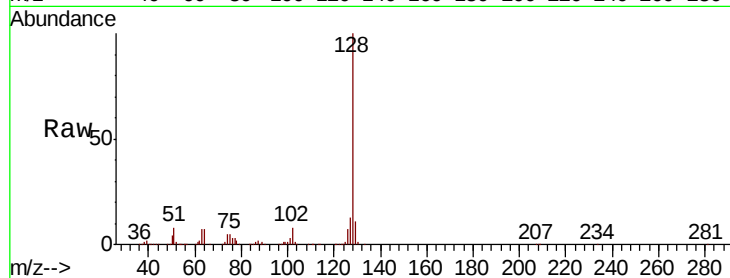
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	810860
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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10/14/2019 1:34:25 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.733 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000262.D

Acq: 10 Oct 2019 18:58

Tgt Ion:	180	Resp:	205447
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.9	143.7
145	32.6	16.3	48.9

