

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021820\
 Data File : VY001663.D
 Acq On : 18 Feb 2020 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:42:49 PM

Quant Time: Feb 19 06:56:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	190762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	339860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	303427	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	144664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	98871	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	7.74	113	90458	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
50) Toluene-d8	10.19	98	381897	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.49	95	135660	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	100167	53.868	ug/l	99
3) Chloromethane	2.13	50	124811	49.903	ug/l	98
4) Vinyl Chloride	2.26	62	128420	50.906	ug/l	98
5) Bromomethane	2.66	94	79886	50.668	ug/l	96
6) Chloroethane	2.81	64	78267	50.348	ug/l	96
7) Trichlorofluoromethane	3.15	101	162048	50.190	ug/l	99
8) Diethyl Ether	3.55	74	60844	47.803	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	102274	50.397	ug/l	99
10) Methyl Iodide	4.11	142	124997	50.328	ug/l	99
11) Tert butyl alcohol	4.99	59	52896	219.425	ug/l	99
12) 1,1-Dichloroethene	3.90	96	102761	49.648	ug/l	99
13) Acrolein	3.75	56	68527	330.675	ug/l	99
14) Allyl chloride	4.51	41	179735	48.793	ug/l	98
15) Acrylonitrile	5.19	53	154523	236.849	ug/l	99
16) Acetone	3.97	43	178357	251.211	ug/l	96
17) Carbon Disulfide	4.22	76	339998	49.203	ug/l	100
18) Methyl Acetate	4.51	43	69730	45.098	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	272892	47.355	ug/l	98
20) Methylene Chloride	4.74	84	111395	44.171	ug/l	97
21) trans-1,2-Dichloroethene	5.25	96	115012	48.703	ug/l	100
22) Diisopropyl ether	6.14	45	366682	48.472	ug/l	98
23) Vinyl Acetate	6.09	43	1206264	244.457	ug/l	98
24) 1,1-Dichloroethane	6.05	63	195326	48.310	ug/l	99
25) 2-Butanone	7.02	43	234034	242.650	ug/l	99
26) 2,2-Dichloropropane	7.01	77	169873	48.291	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	125685	48.217	ug/l	98
28) Bromochloromethane	7.36	49	84637	50.252	ug/l	100
29) Tetrahydrofuran	7.38	42	138628	237.801	ug/l	98
30) Chloroform	7.54	83	185477	46.948	ug/l	100
31) Cyclohexane	7.81	56	204493	47.436	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	163176	49.144	ug/l	99
36) 1,1-Dichloropropene	7.94	75	160129	49.326	ug/l	99
37) Ethyl Acetate	7.10	43	89804	46.349	ug/l	99
38) Carbon Tetrachloride	7.93	117	140401	49.239	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	211671	49.148	ug/l	98
40) Benzene	8.18	78	464515	48.652	ug/l	98
41) Methacrylonitrile	7.35	41	46220m	47.509	ug/l	
42) 1,2-Dichloroethane	8.26	62	124261	47.773	ug/l	100
43) Isopropyl Acetate	8.30	43	178612	48.585	ug/l	99
44) Trichloroethene	8.96	130	116684	48.957	ug/l	98
45) 1,2-Dichloropropane	9.24	63	117542	49.158	ug/l	99
46) Dibromomethane	9.32	93	60526	48.396	ug/l	99
47) Bromodichloromethane	9.52	83	146545	48.551	ug/l	99
48) Methyl methacrylate	9.31	41	79006	47.519	ug/l	100
49) 1,4-Dioxane	9.32	88	15965	903.818	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	457297	242.106	ug/l	98
52) Toluene	10.26	92	290787	48.826	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	162980	48.843	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	187200	48.744	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	88963	48.242	ug/l	98
56) Ethyl methacrylate	10.52	69	133773	48.355	ug/l	97
57) 1,3-Dichloropropane	10.80	76	156443	47.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	241636	230.780	ug/l	100
59) 2-Hexanone	10.85	43	353169	249.198	ug/l	97
60) Dibromochloromethane	11.00	129	99590	48.983	ug/l	100
61) 1,2-Dibromoethane	11.10	107	84678	48.563	ug/l	98
64) Tetrachloroethene	10.74	164	93207	48.933	ug/l	100
65) Chlorobenzene	11.53	112	298158	49.218	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	100854	49.353	ug/l	99
67) Ethyl Benzene	11.61	91	560189	49.830	ug/l	98
68) m/p-Xylenes	11.72	106	416588	99.202	ug/l	99
69) o-Xylene	12.04	106	197331	49.427	ug/l	98
70) Styrene	12.06	104	344111	49.595	ug/l	100
71) Bromoform	12.22	173	58994	50.516	ug/l #	99
73) Isopropylbenzene	12.34	105	538941	48.902	ug/l	99
74) N-amyl acetate	12.16	43	168182	47.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	112885	47.972	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	81781m	49.281	ug/l	
77) Bromobenzene	12.62	156	114098	47.758	ug/l	98
78) n-propylbenzene	12.69	91	662805	49.381	ug/l	100
79) 2-Chlorotoluene	12.77	91	368711	48.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	449966	49.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	42464	48.546	ug/l	93
82) 4-Chlorotoluene	12.87	91	385342	48.533	ug/l	99
83) tert-Butylbenzene	13.09	119	378505	49.608	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	446470	49.089	ug/l	100
85) sec-Butylbenzene	13.27	105	552899	49.270	ug/l	100
86) p-Isopropyltoluene	13.38	119	482140	49.457	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	224135	48.374	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	225562	48.160	ug/l	99
89) n-Butylbenzene	13.70	91	491143	49.305	ug/l	100
90) Hexachloroethane	13.97	117	88311	48.080	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	206577	48.311	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	18057	46.496	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	132351	46.708	ug/l	100
94) Hexachlorobutadiene	15.13	225	67470	47.878	ug/l	99
95) Naphthalene	15.25	128	304161	46.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	116226	46.623	ug/l	99

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

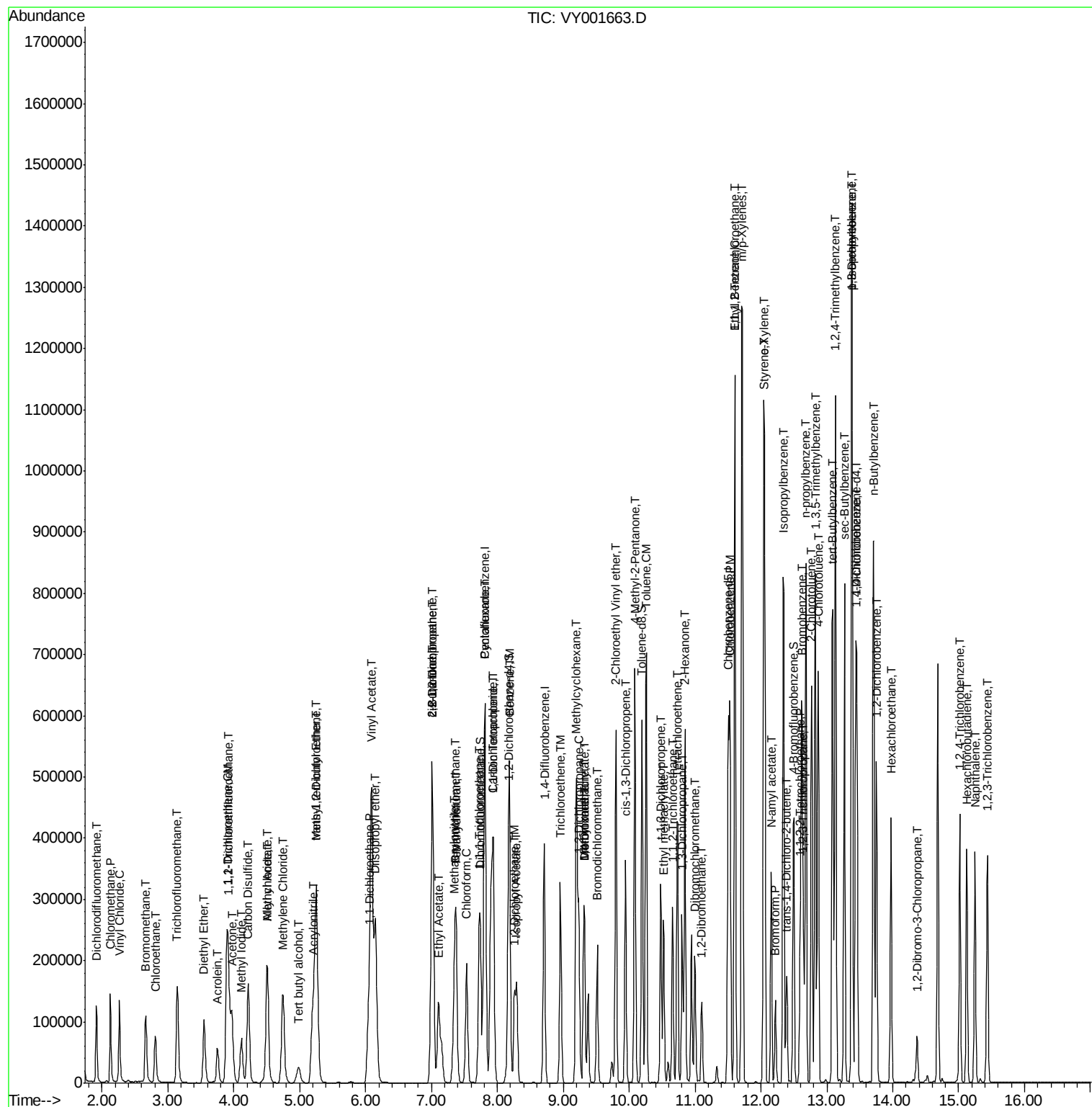
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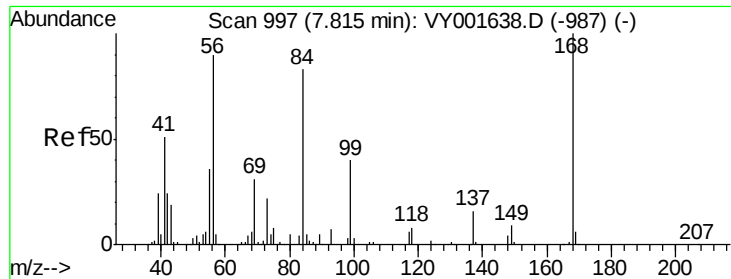
Instrument :
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#1

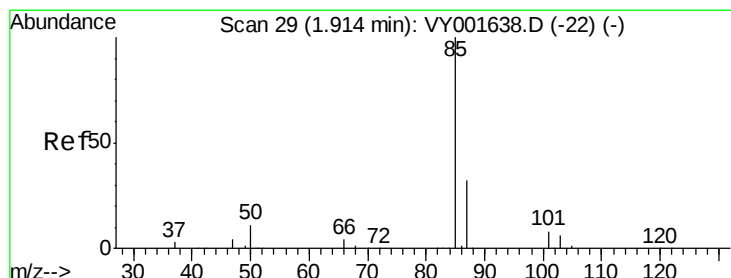
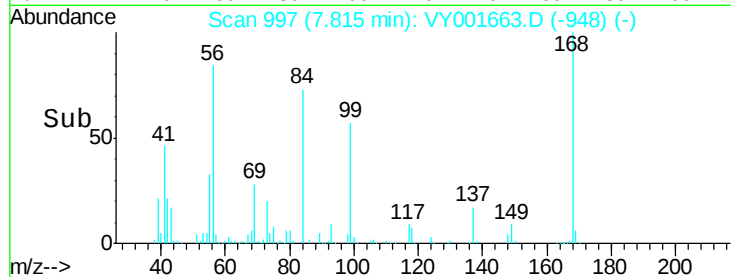
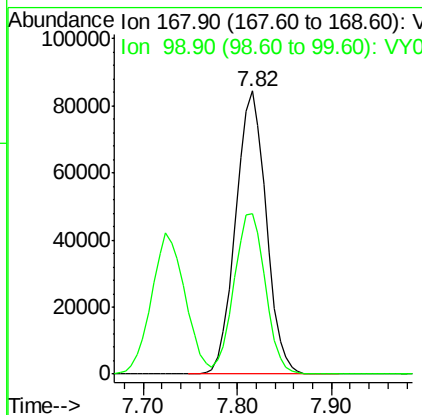
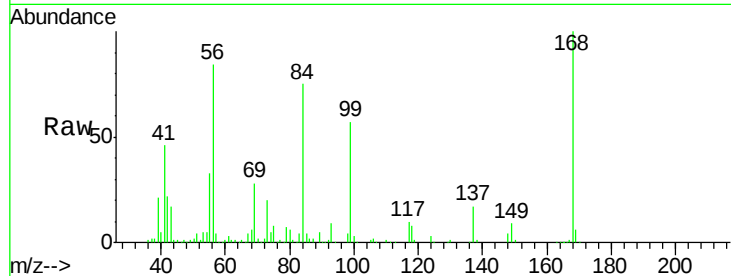
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.9	47.5	71.3

Manual Integrations
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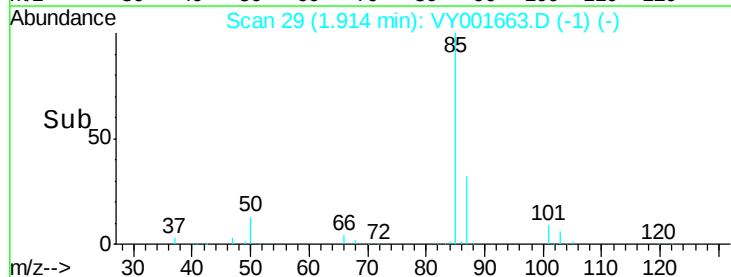
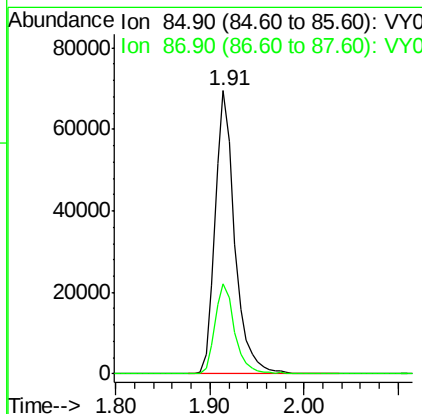
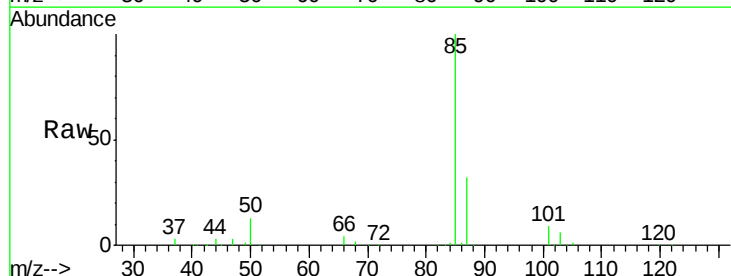
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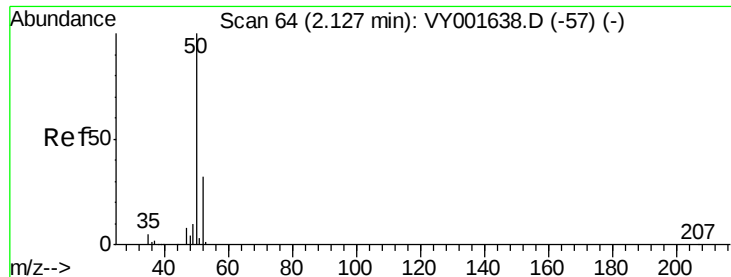


#2

Dichlorodifluoromethane
 Concen: 53.868 ug/l
 RT: 1.91 min Scan# 29
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.6





#3

Chloromethane

Concen: 49.903 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 124811

Ion Ratio Lower Upper

50 100

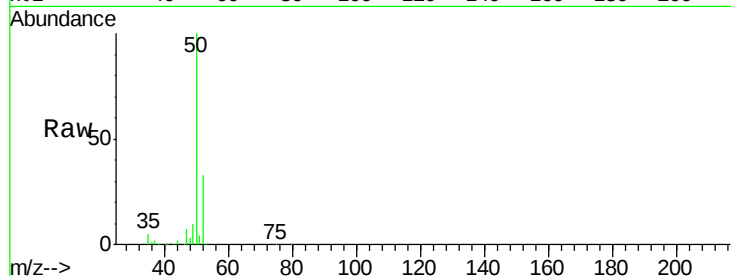
52 33.4 25.8 38.6

Manual Integrations

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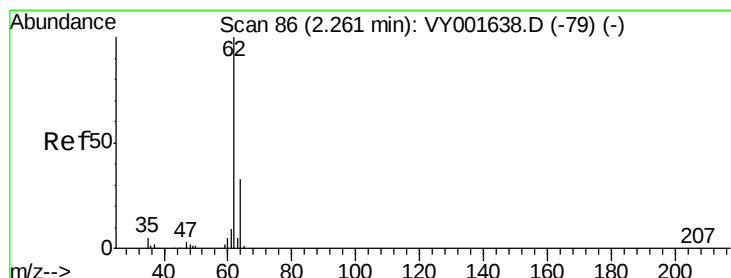
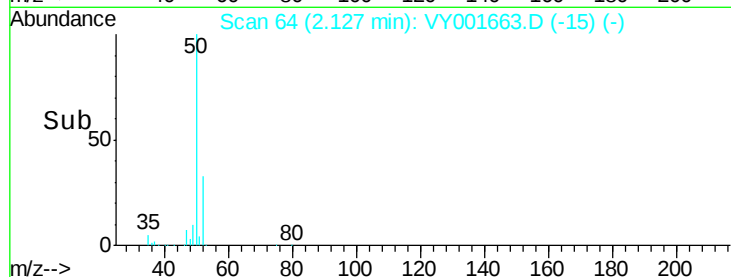
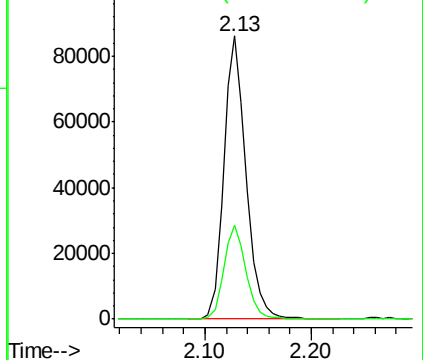
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 50.906 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001663.D

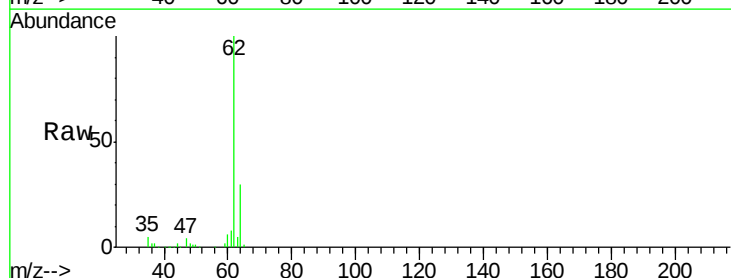
Acq: 18 Feb 2020 10:37

Tgt Ion: 62 Resp: 128420

Ion Ratio Lower Upper

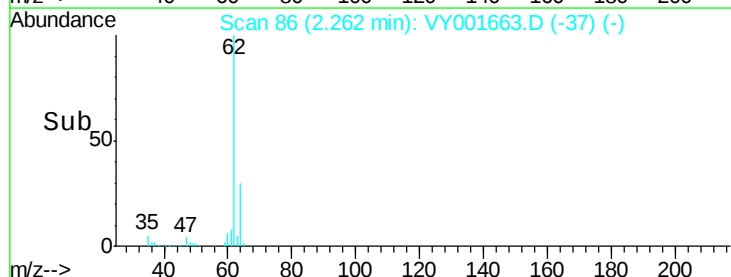
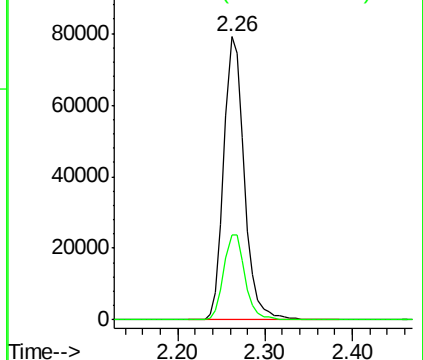
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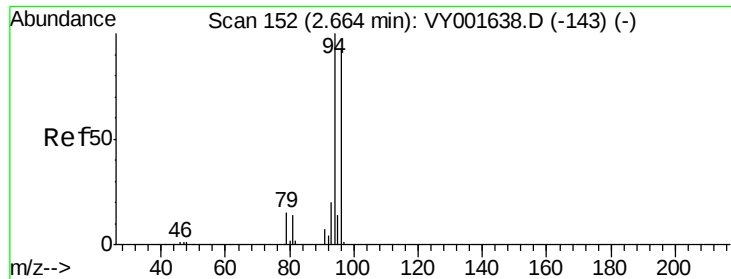
64 29.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 50.668 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79886

Ion Ratio Lower Upper

94 100

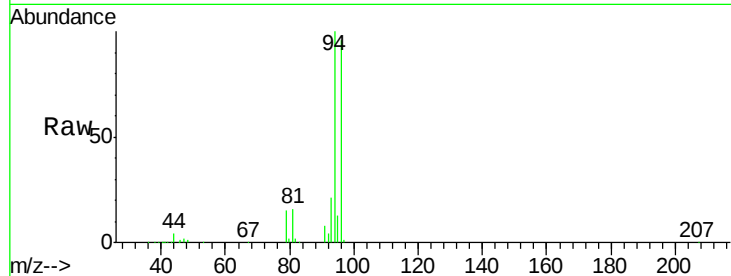
96 96.0 73.7 110.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

40000

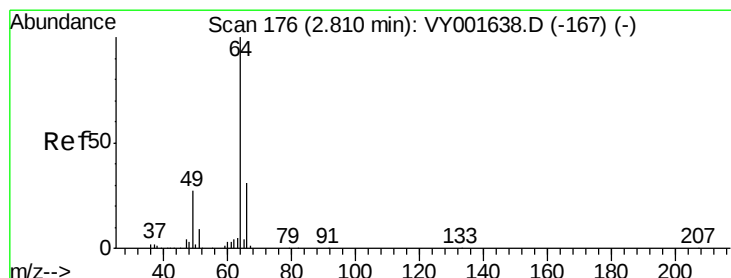
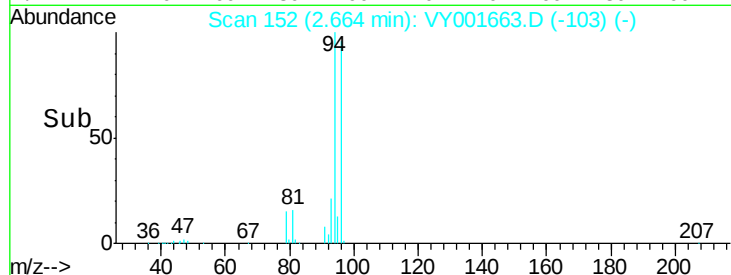
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20000

10000

0

Time-->



#6

Chloroethane

Concen: 50.348 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001663.D

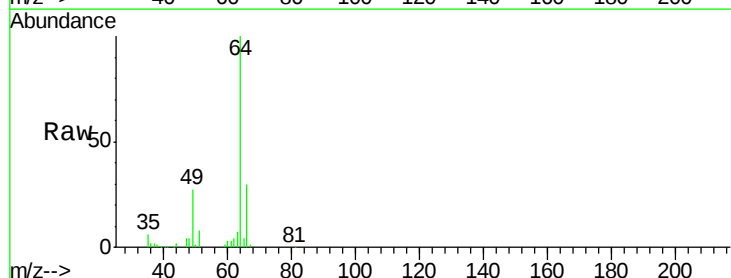
Acq: 18 Feb 2020 10:37

Tgt Ion: 64 Resp: 78267

Ion Ratio Lower Upper

64 100

66 29.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.81

40000

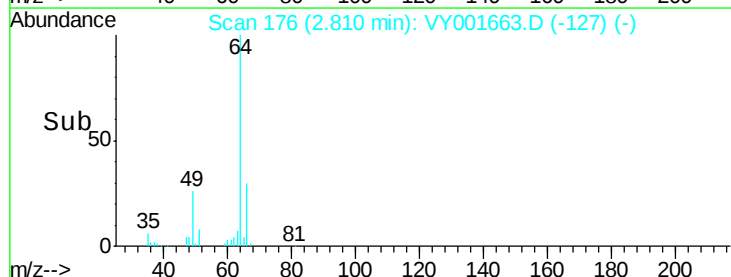
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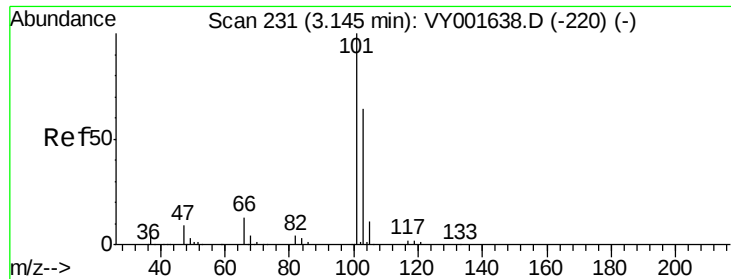
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#7

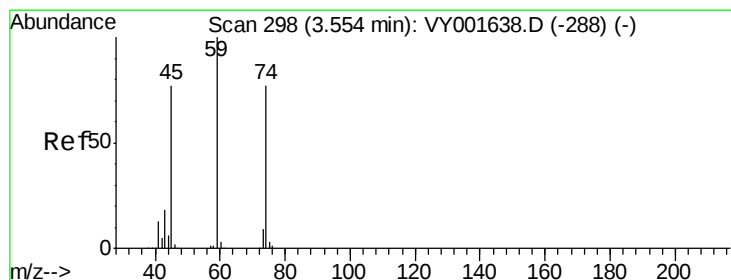
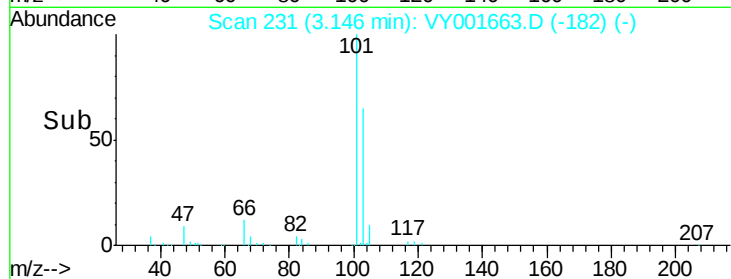
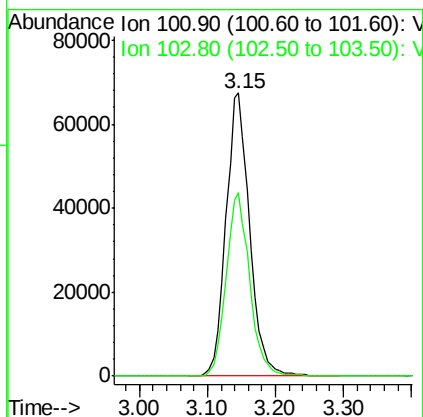
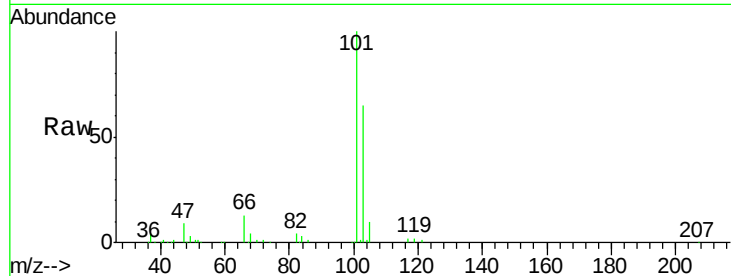
Trichlorofluoromethane
 Concen: 50.190 ug/l
 RT: 3.15 min Scan# 231
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.2

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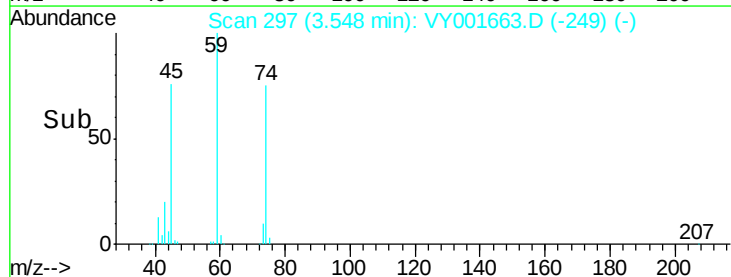
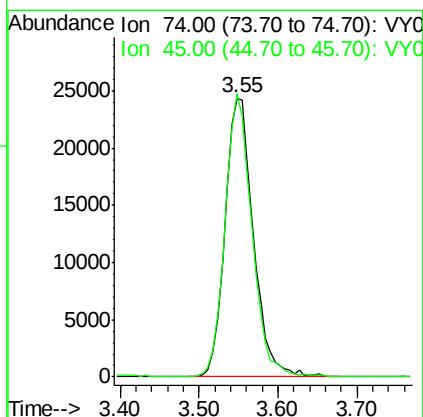
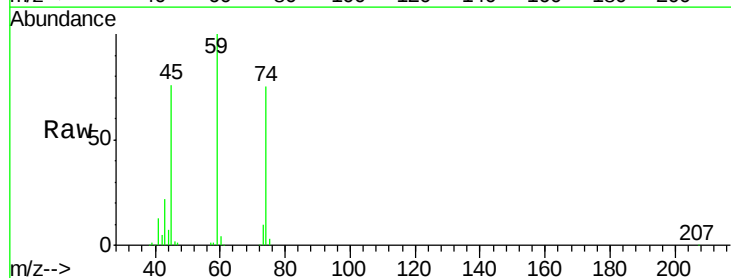
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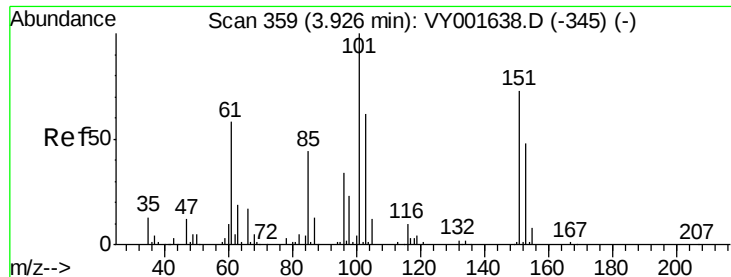


#8

Diethyl Ether
 Concen: 47.803 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001663.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.397 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

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MSVOA_Y

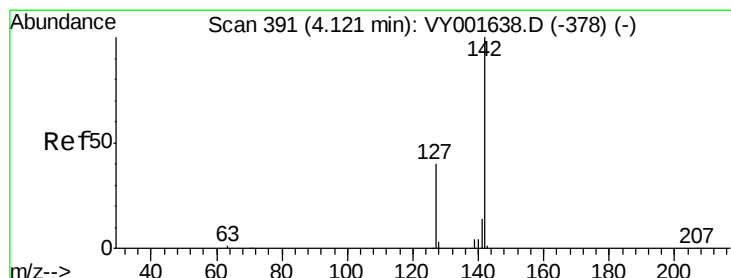
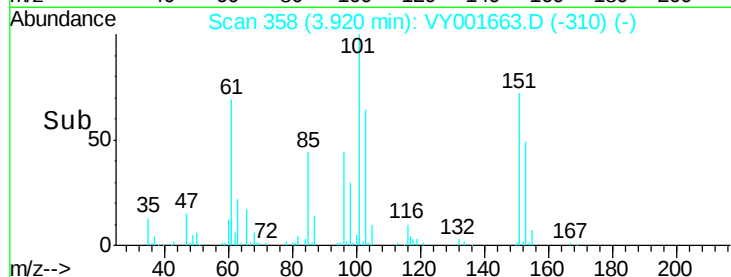
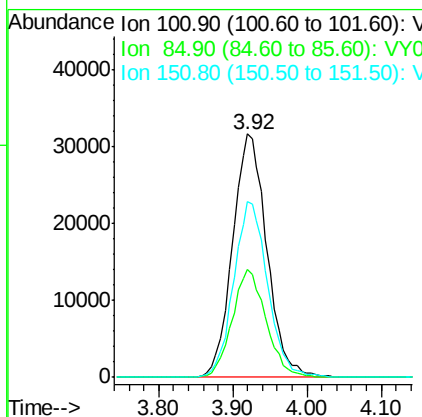
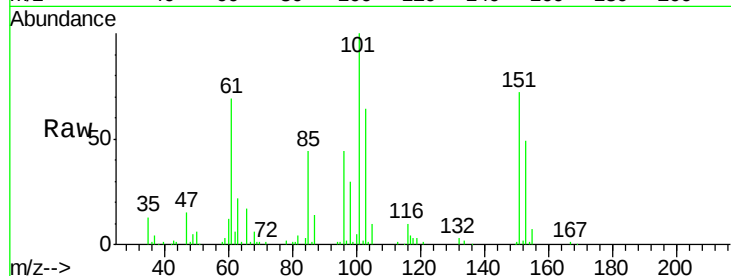
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	102274
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.1	52.7
151	71.8	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 50.328 ug/l

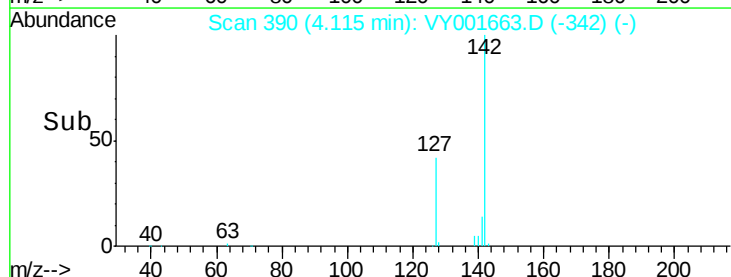
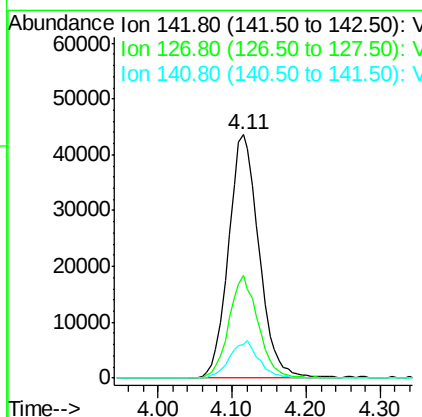
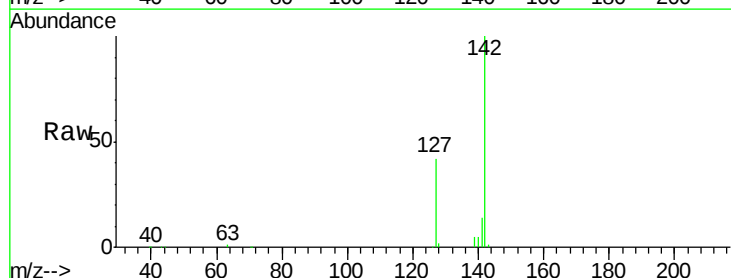
RT: 4.11 min Scan# 390

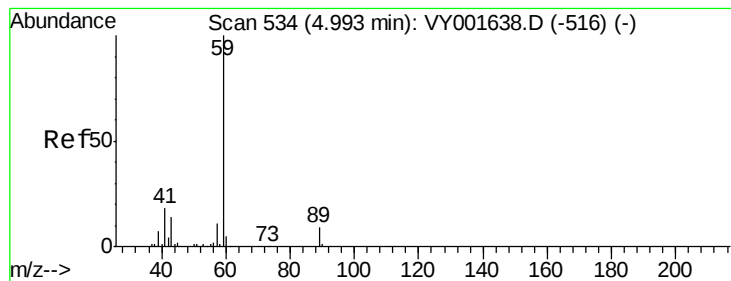
Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Tgt Ion:	142	Resp:	124997
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.1	48.1
141	14.5	11.3	16.9





#11

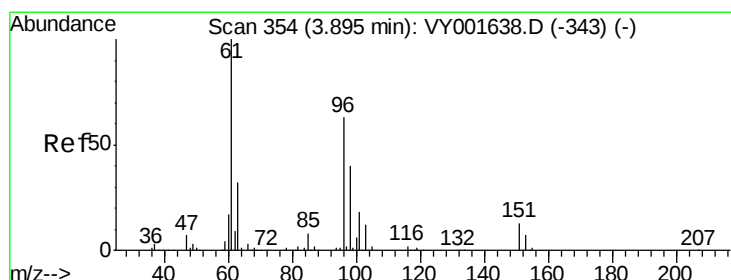
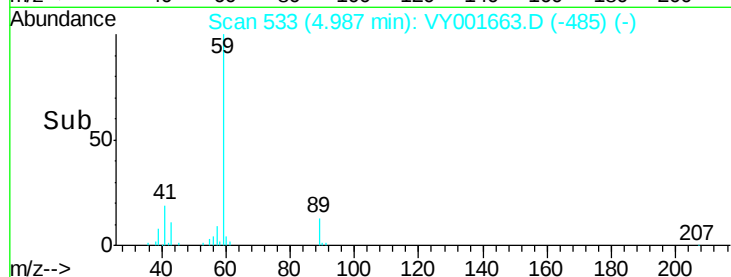
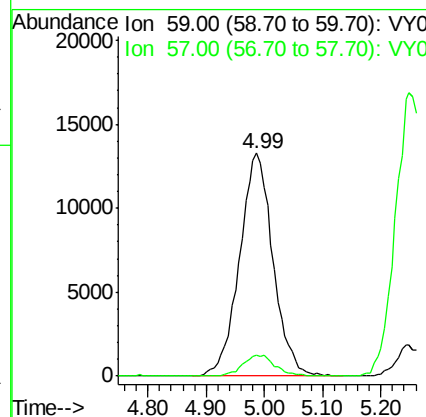
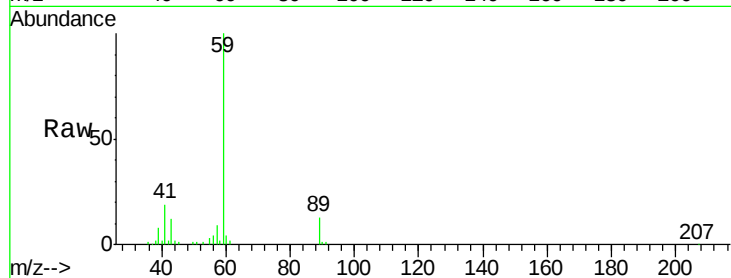
Tert butyl alcohol
Concen: 219.425 ug/l
RT: 4.99 min Scan# 533
Delta R.T. -0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	52896
Ion Ratio	100	Lower	Upper
57	9.0	7.4	11.2

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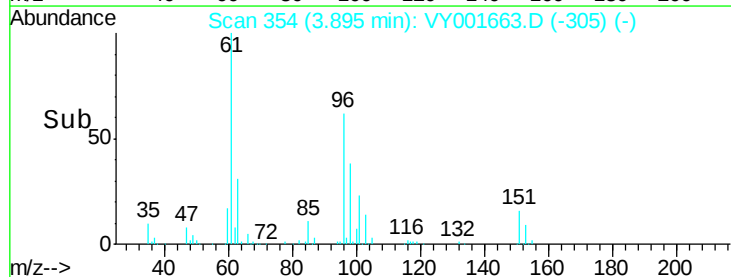
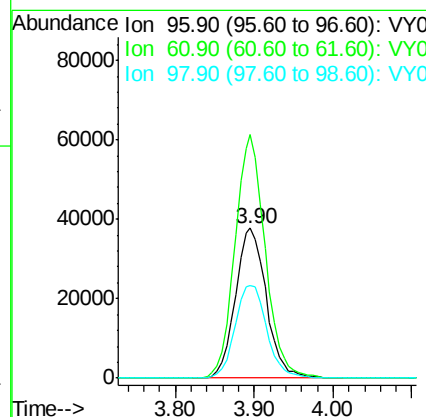
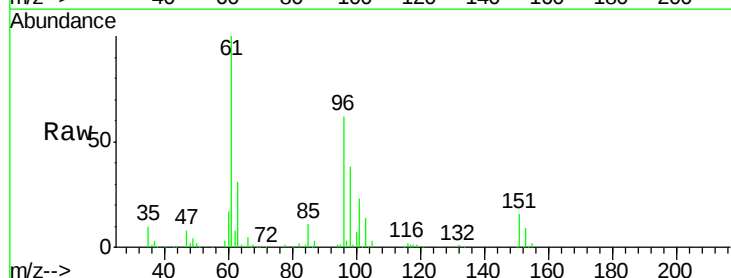
MMDadoda
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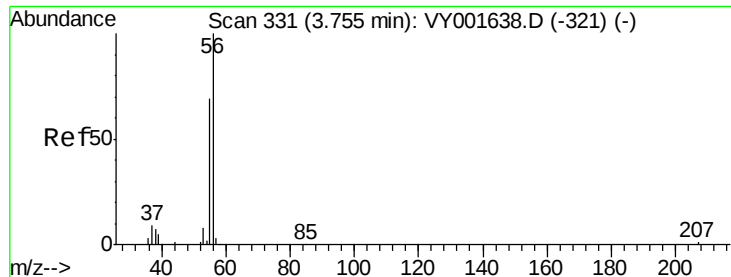


#12

1,1-Dichloroethene
Concen: 49.648 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	96	Resp	102761
Ion Ratio	100	Lower	Upper
61	162.2	128.7	193.1
98	61.3	50.7	76.1





#13

Acrolein

Concen: 330.675 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 68527

Ion Ratio Lower Upper

56 100

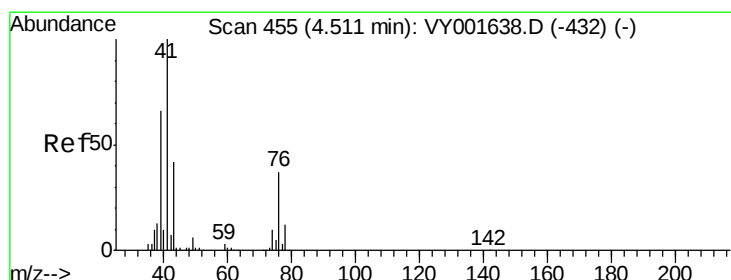
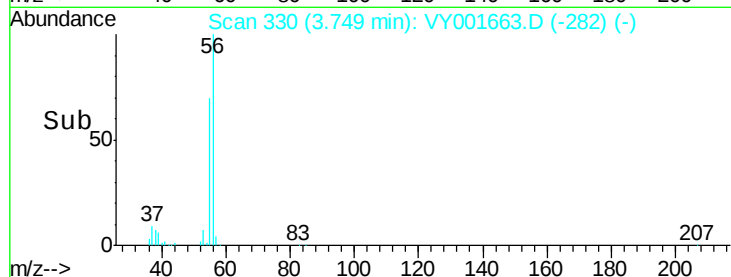
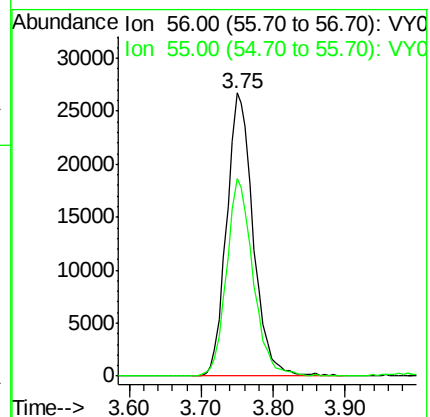
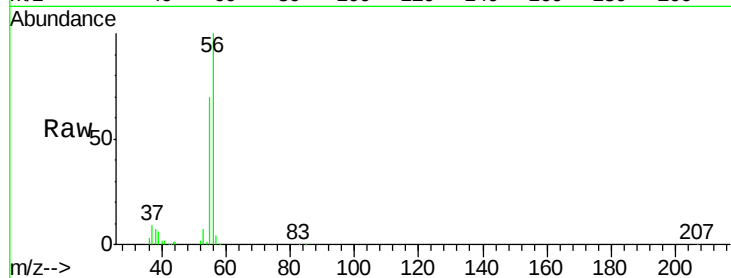
55 69.5 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 48.793 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

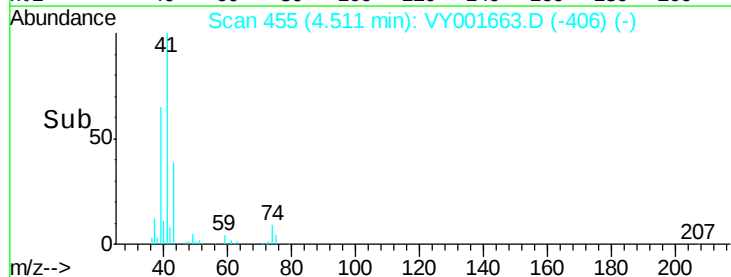
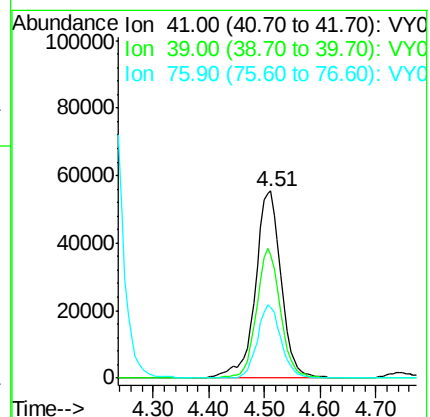
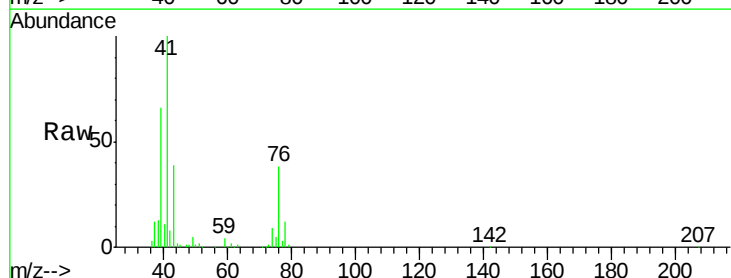
Tgt Ion: 41 Resp: 179735

Ion Ratio Lower Upper

41 100

39 64.2 49.4 74.0

76 35.9 29.0 43.6





#15

Acrylonitrile

Concen: 236.849 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

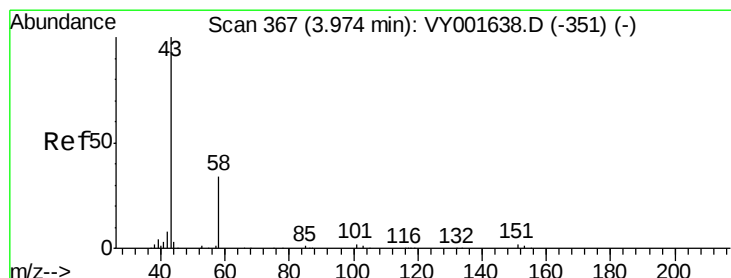
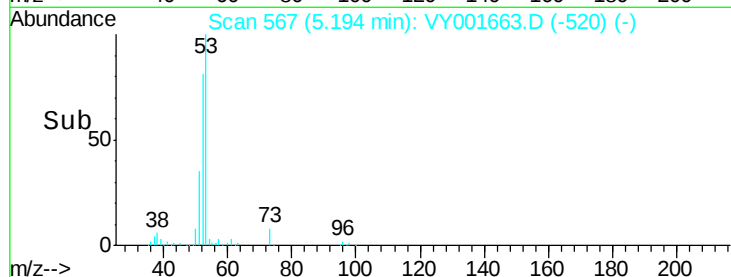
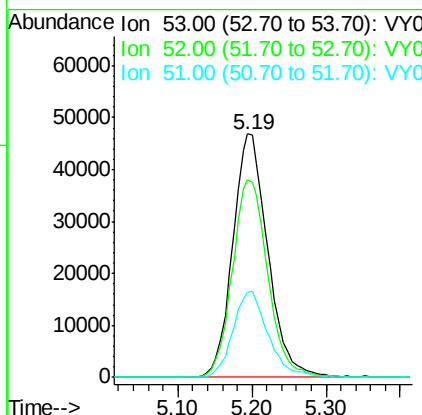
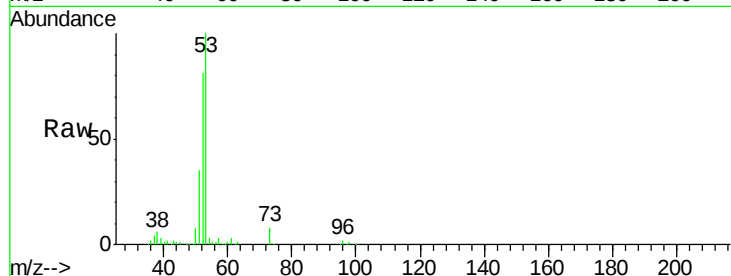
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	154523
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.4	98.0
51	35.7	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 251.211 ug/l

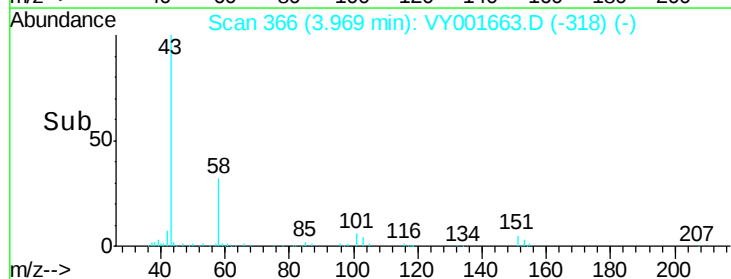
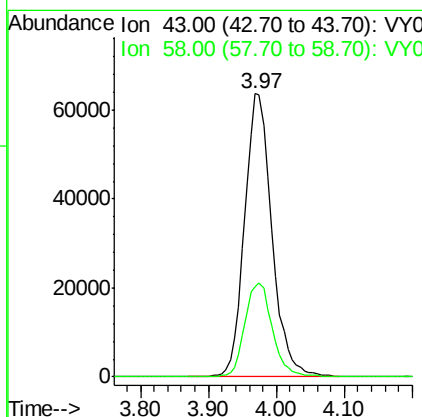
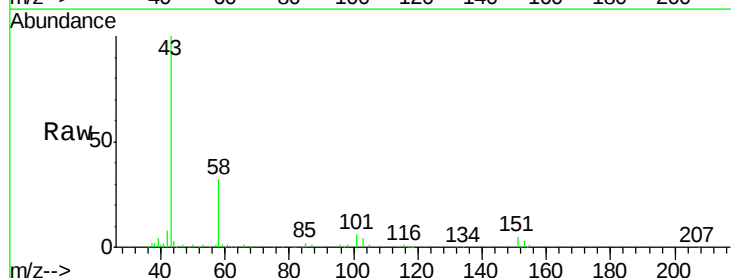
RT: 3.97 min Scan# 366

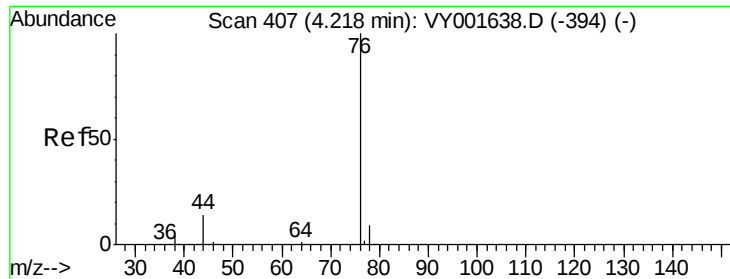
Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Tgt Ion:	43	Resp:	178357
Ion Ratio		Lower	Upper
43	100		
58	32.0	27.3	40.9





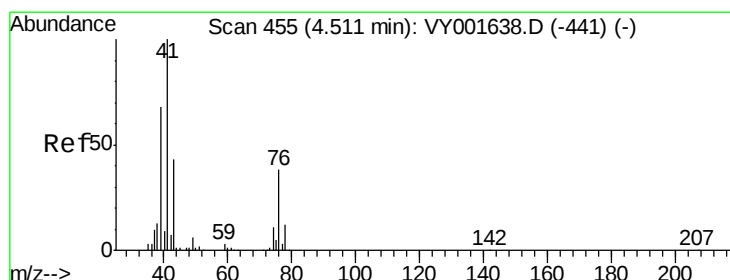
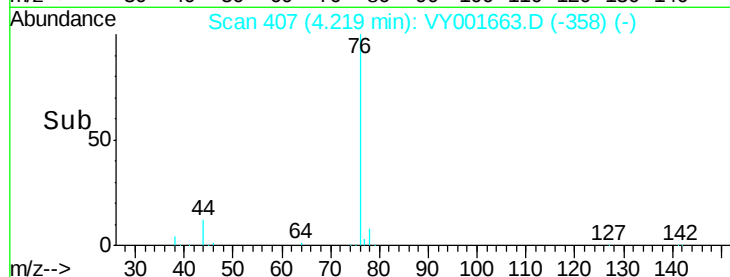
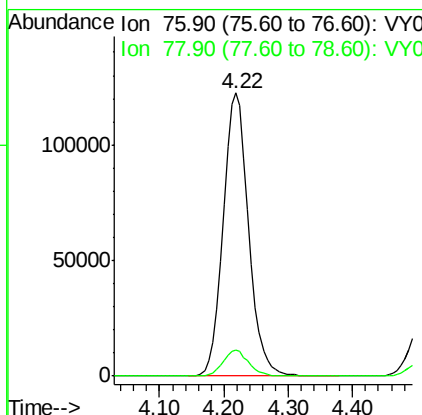
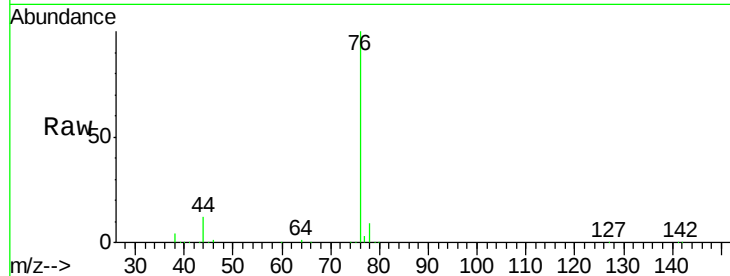
#17
Carbon Disulfide
Concen: 49.203 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

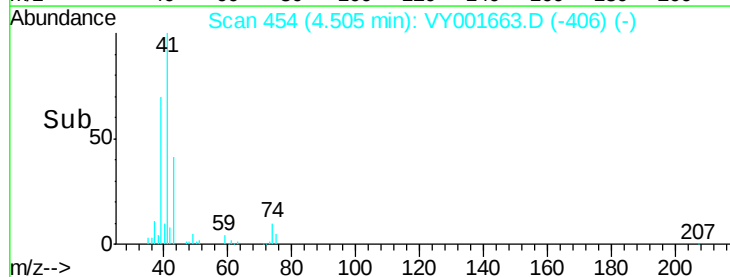
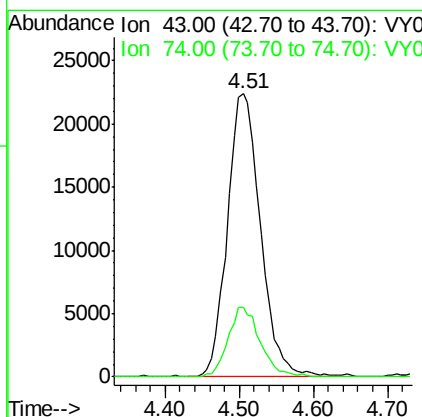
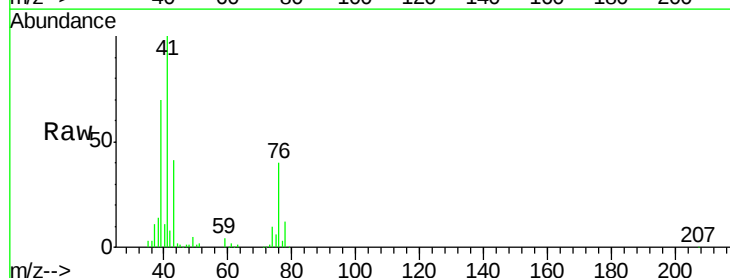
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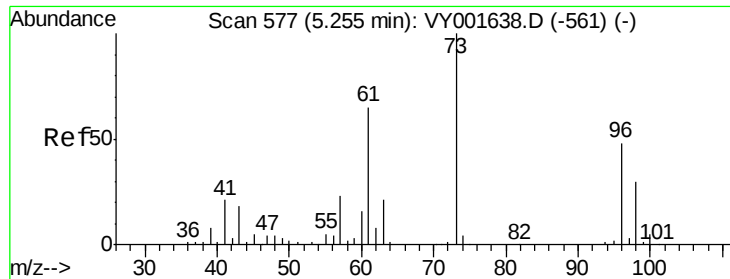
MMDadoda
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#18
Methyl Acetate
Concen: 45.098 ug/l
RT: 4.51 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.1	28.7





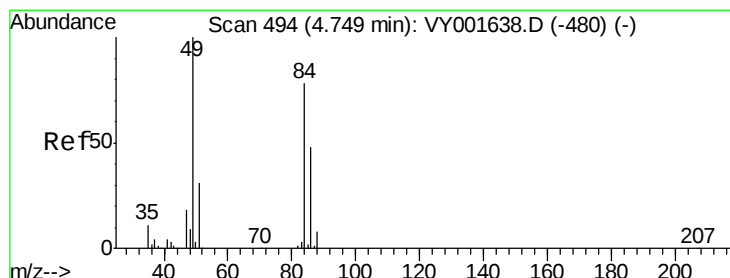
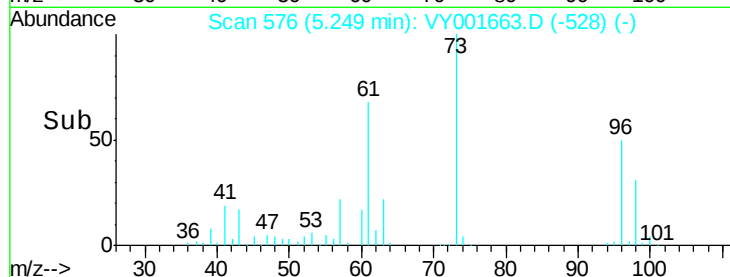
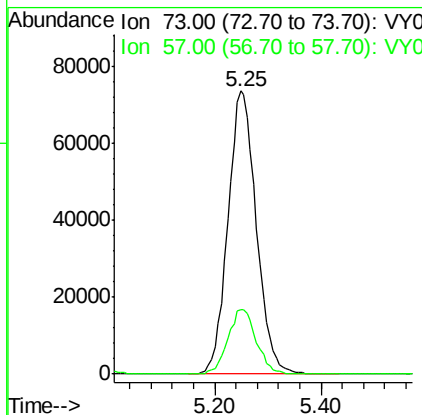
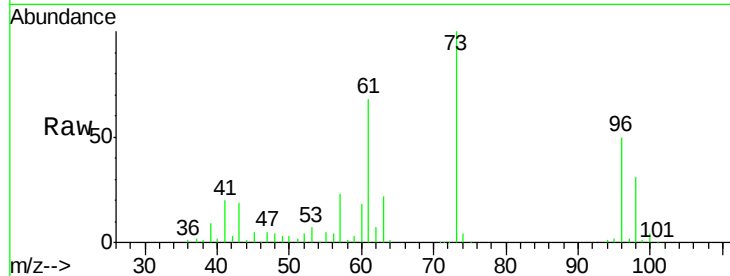
#19
Methvl tert-butvl Ether
Concen: 47.355 ug/l
RT: 5.25 min Scan# 576
Delta R.T. -0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 272892
Ion Ratio Lower Upper
73 100
57 22.9 19.0 28.6

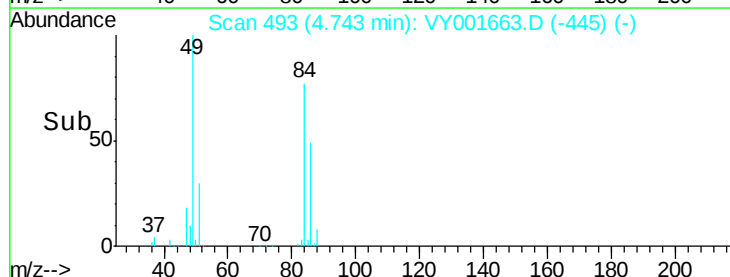
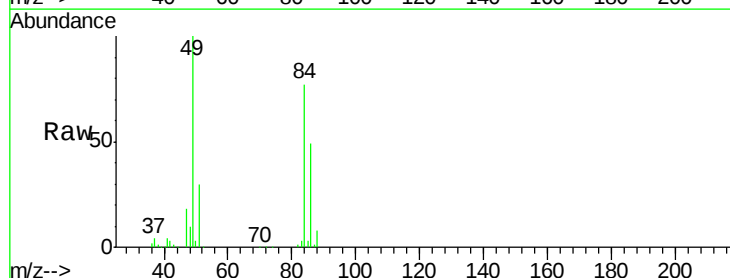
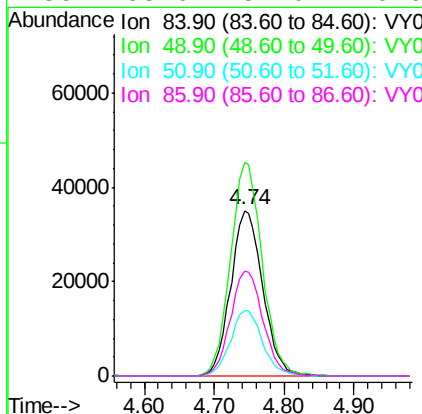
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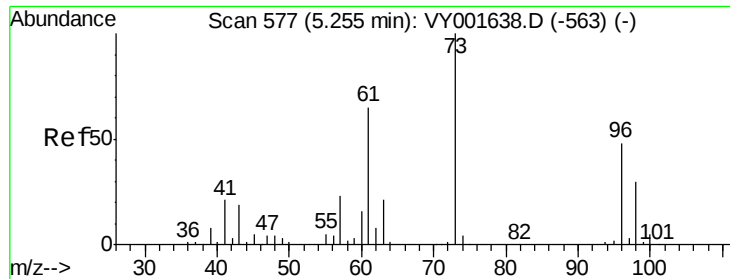
MMDadoda
2/19/2020 1:42:49 PM



#20
Methylene Chloride
Concen: 44.171 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion: 84 Resp: 111395
Ion Ratio Lower Upper
84 100
49 129.2 99.2 148.8
51 39.3 31.5 47.3
86 63.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 48.703 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 115012

Ion Ratio Lower Upper

96 100

61 135.7 107.9 161.9

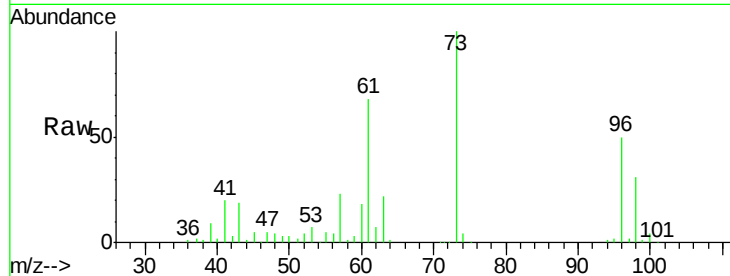
98 62.3 49.8 74.8

Manual Integrations

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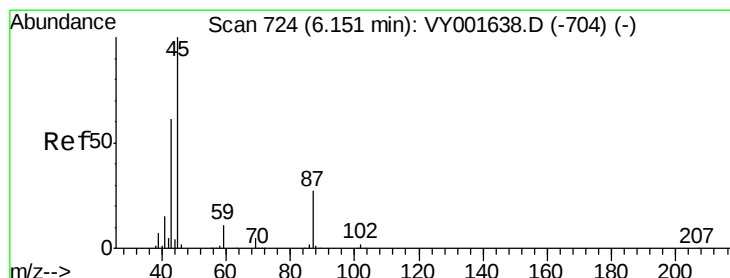
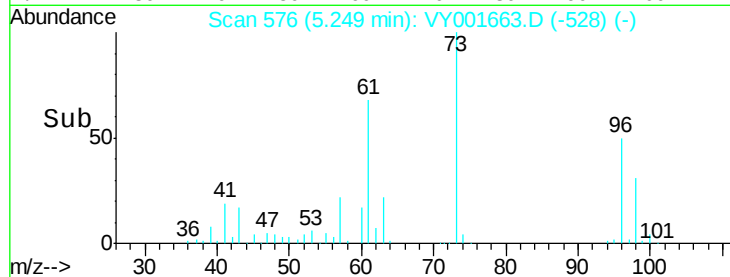
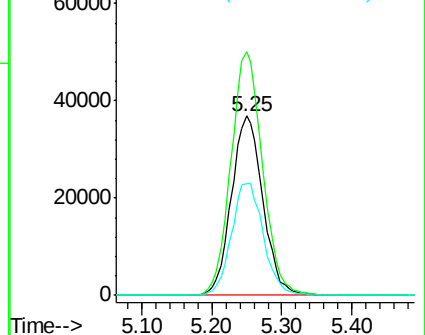
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Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 48.472 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Tgt Ion: 45 Resp: 366682

Ion Ratio Lower Upper

45 100

43 57.0 46.4 69.6

87 25.5 22.1 33.1

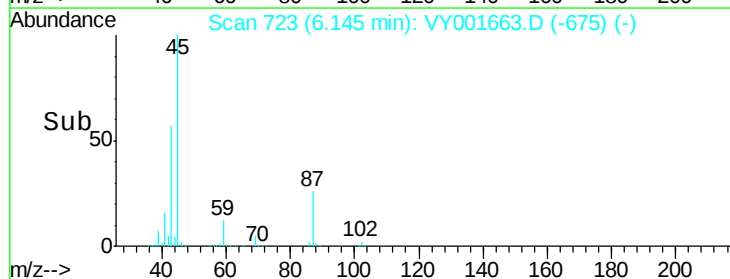
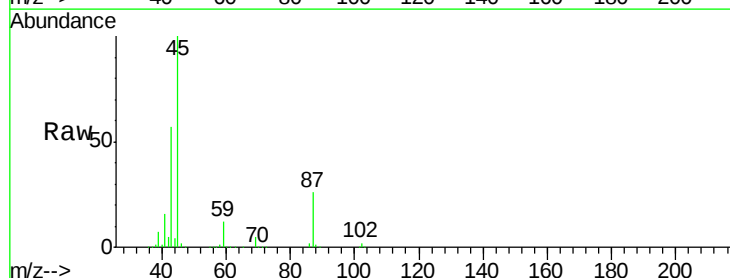
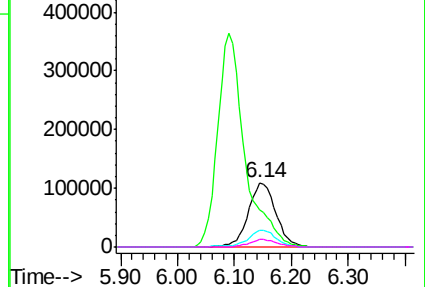
59 12.1 9.4 14.0

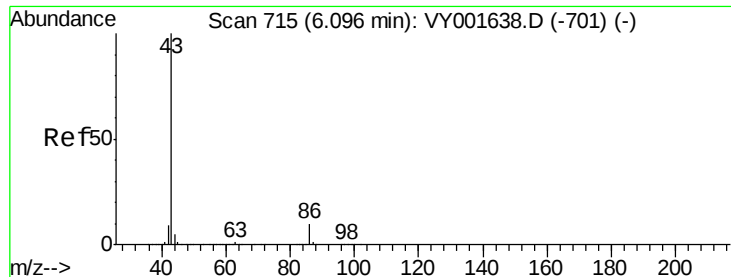
Abundance Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 244.457 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1206264

Ion Ratio Lower Upper

43 100

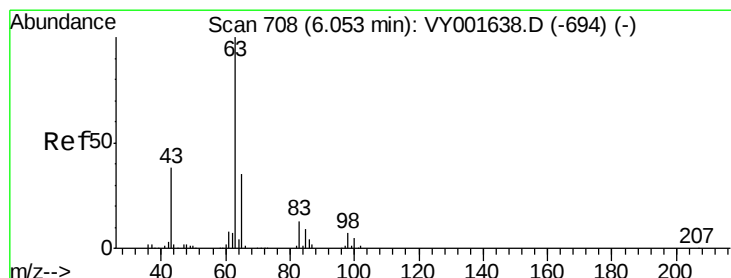
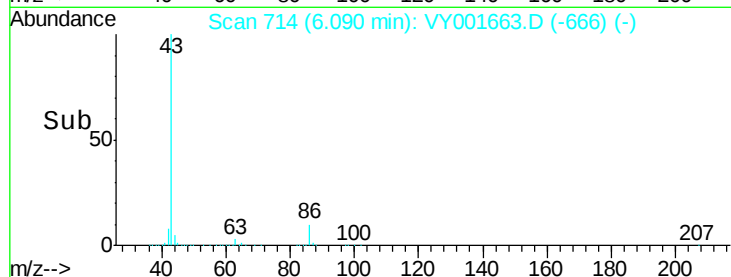
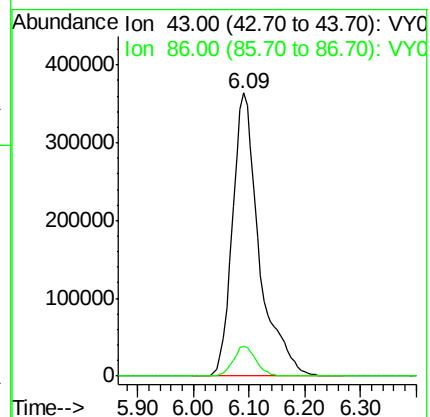
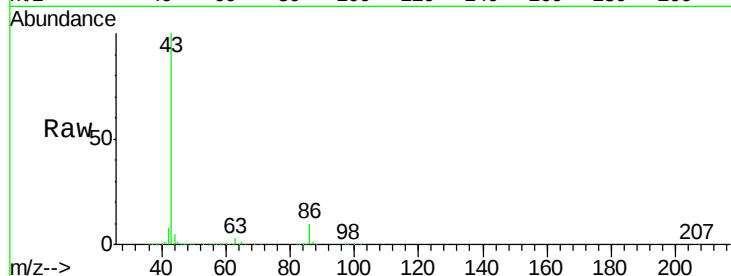
86 10.4 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.310 ug/l

RT: 6.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

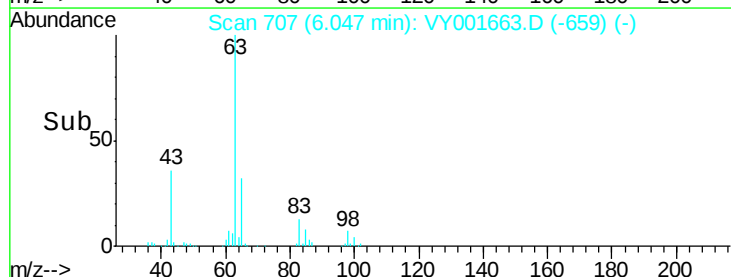
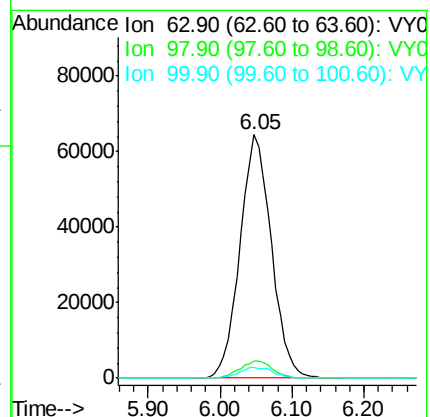
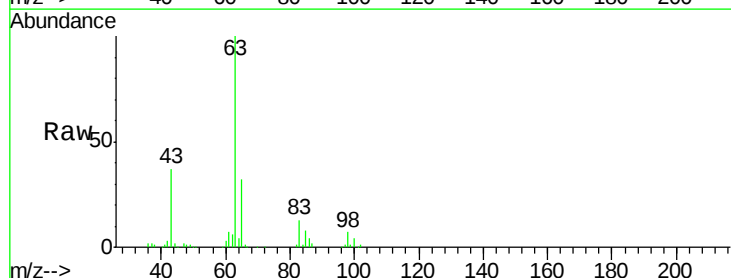
Tgt Ion: 63 Resp: 195326

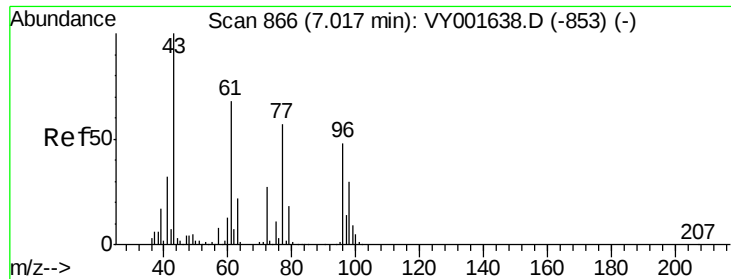
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.2

100 4.4 2.3 6.9





#25

2-Butanone

Concen: 242.650 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 234034

Ion Ratio Lower Upper

43 100

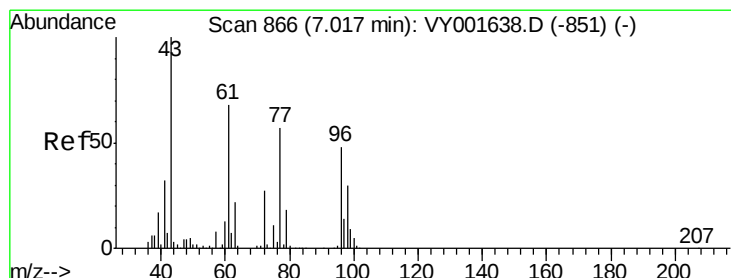
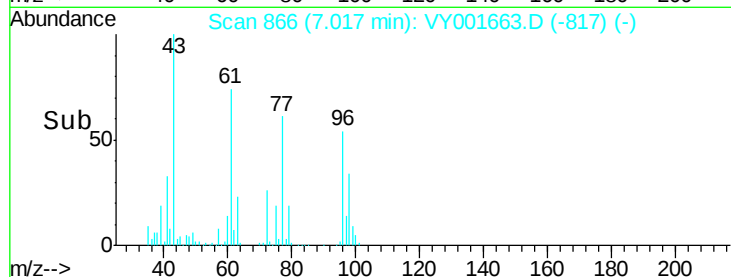
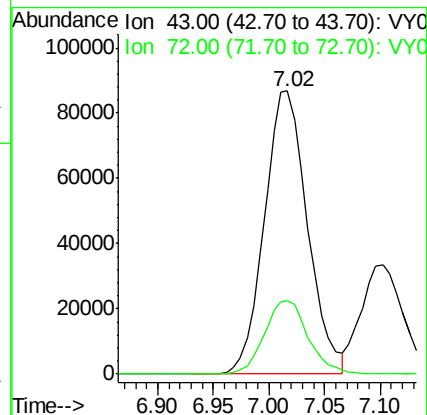
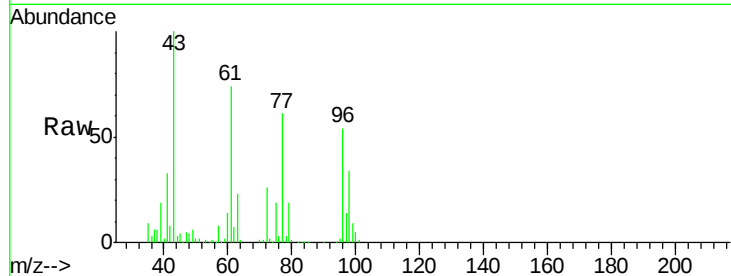
72 25.8 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.291 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001663.D

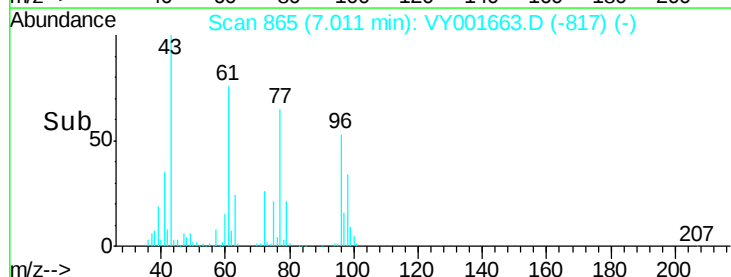
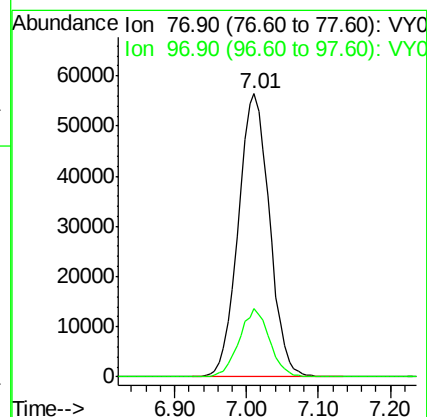
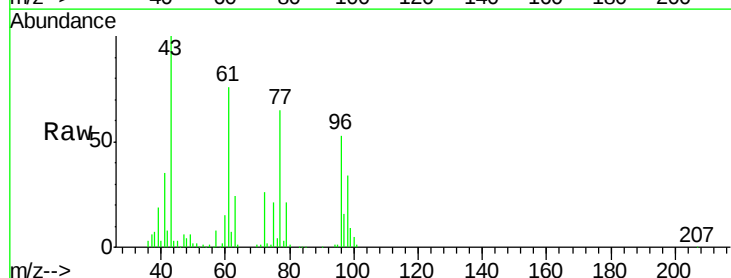
Acq: 18 Feb 2020 10:37

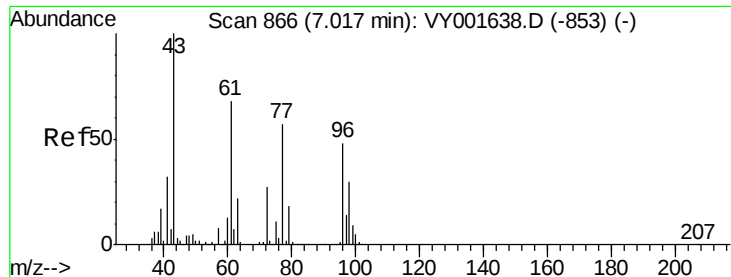
Tgt Ion: 77 Resp: 169873

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.4





#27

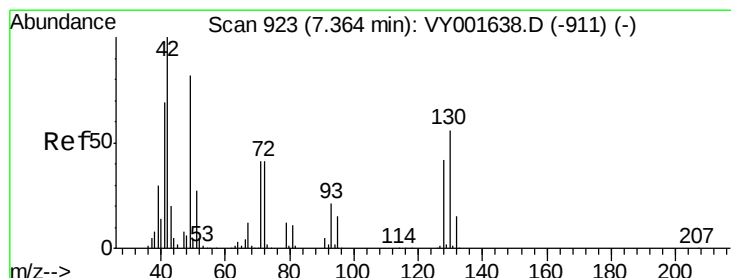
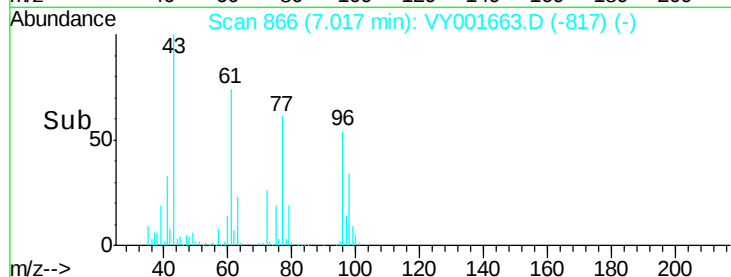
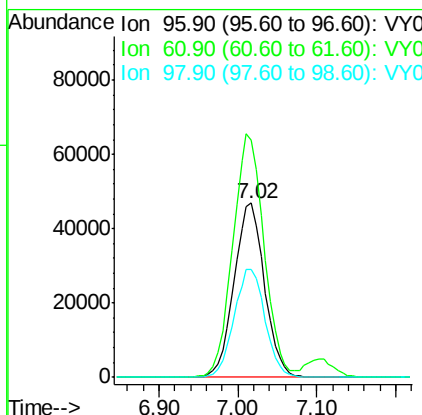
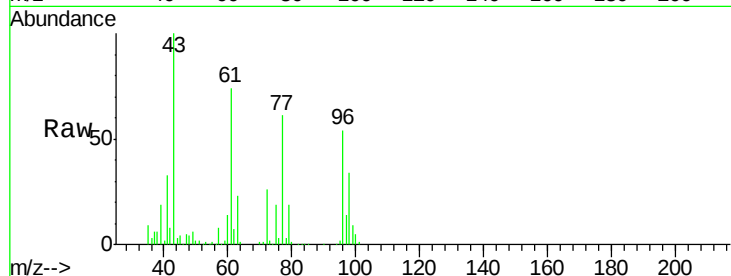
cis-1,2-Dichloroethene
Concen: 48.217 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	125685		
61	143.2	0.0	290.8	
98	63.4	0.0	128.6	

Manual Integrations
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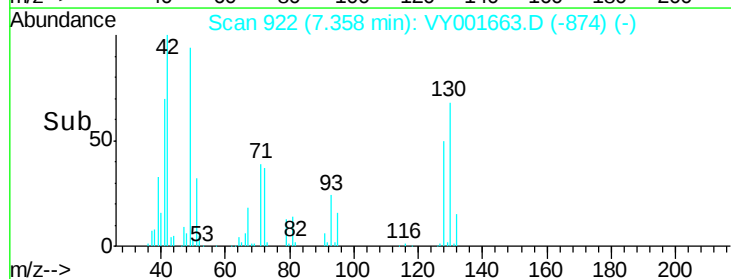
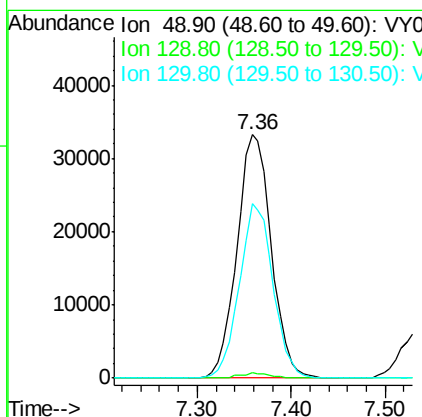
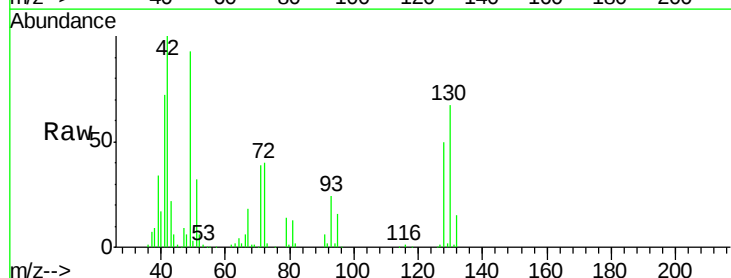
MMDadoda
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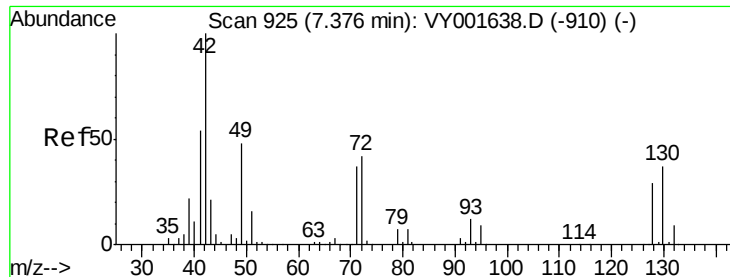


#28

Bromochloromethane
Concen: 50.252 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84637		
129	1.9	0.0	3.6	
130	70.4	56.2	84.4	





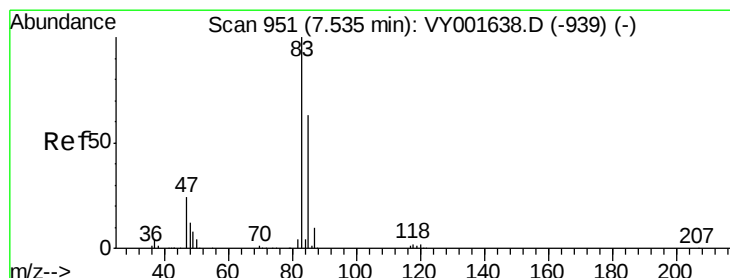
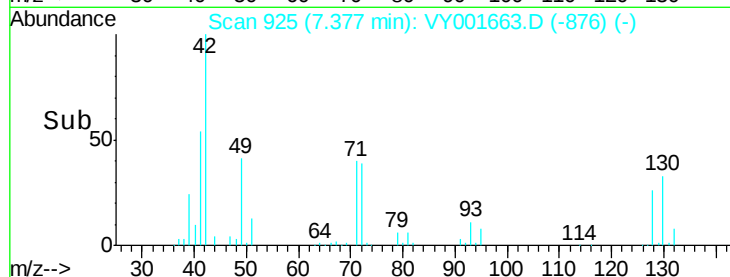
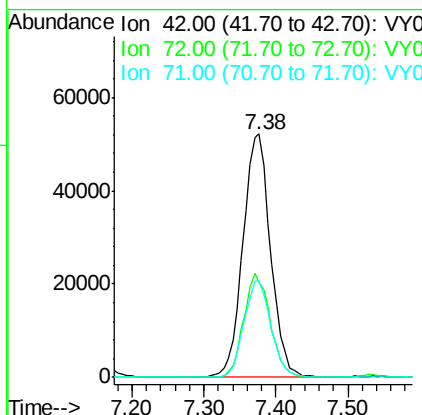
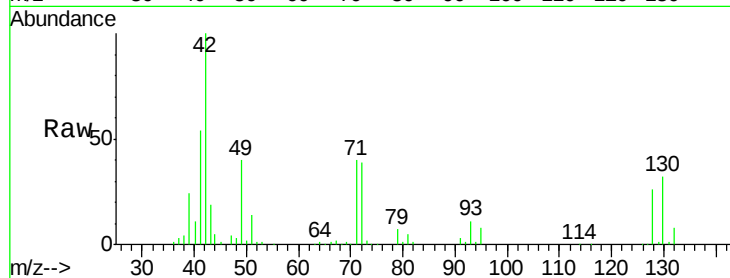
#29
Tetrahydrofuran
Concen: 237.801 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.4	51.6
71	38.8	31.8	47.8

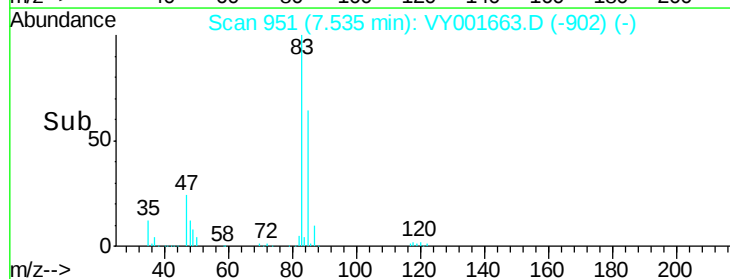
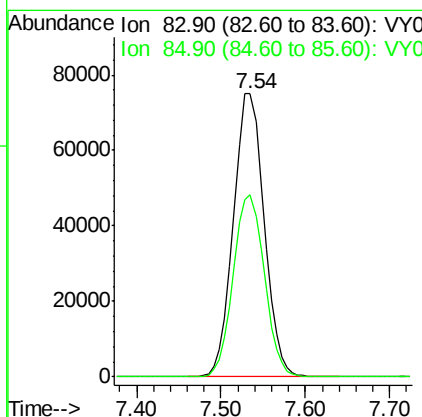
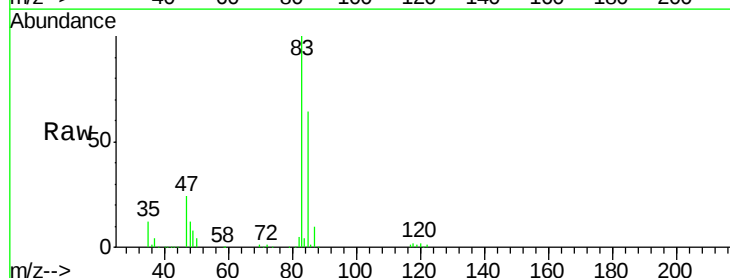
Manual Integrations
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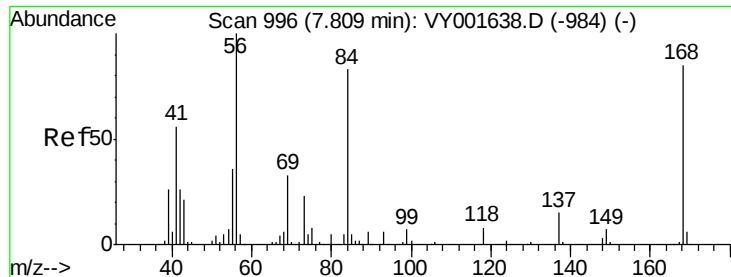
MMDadoda
2/19/2020 1:42:49 PM



#30
Chloroform
Concen: 46.948 ug/l
RT: 7.54 min Scan# 951
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4





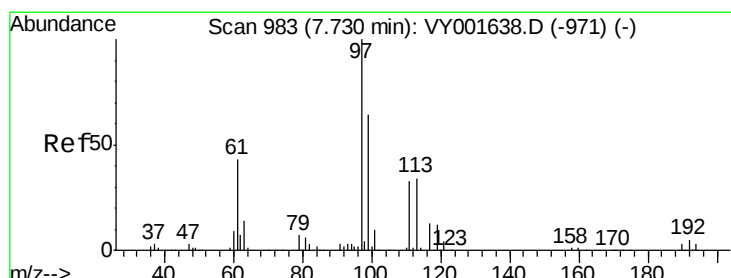
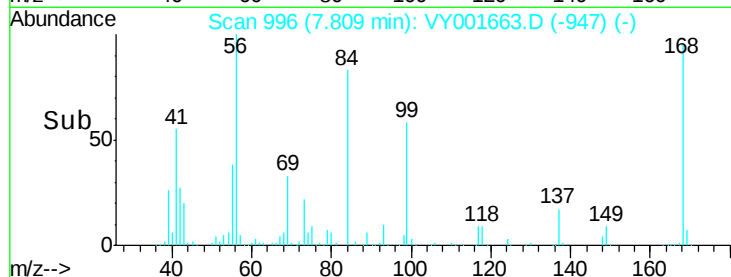
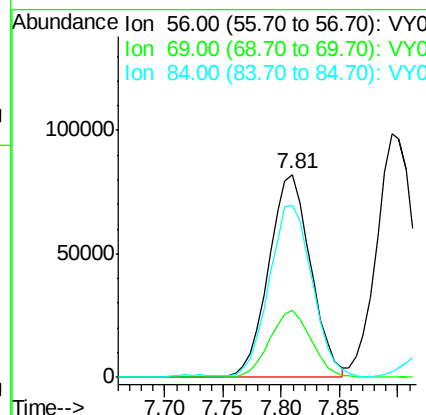
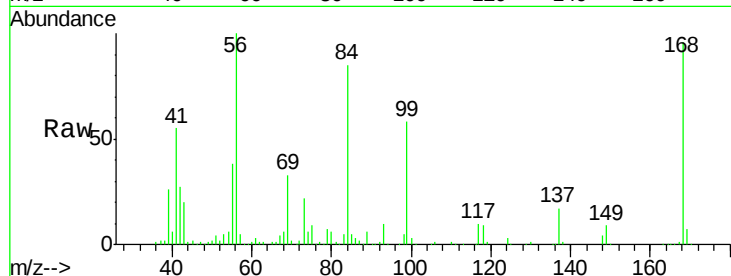
#31
Cyclohexane
Concen: 47.436 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.1	37.7
84	83.9	66.9	100.3

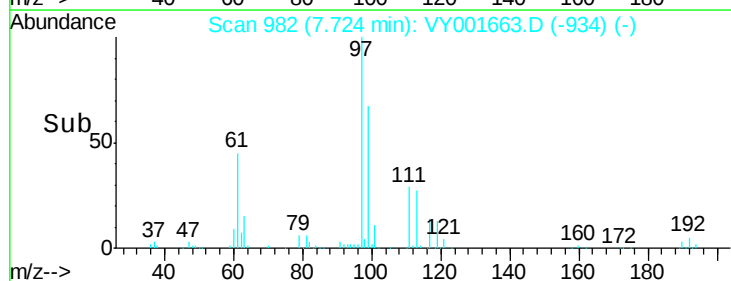
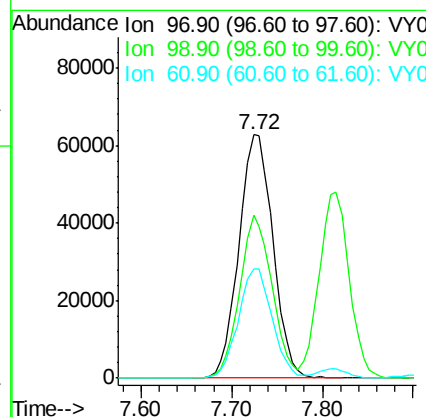
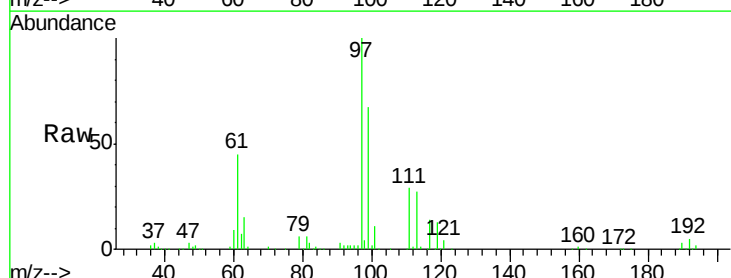
Manual Integrations
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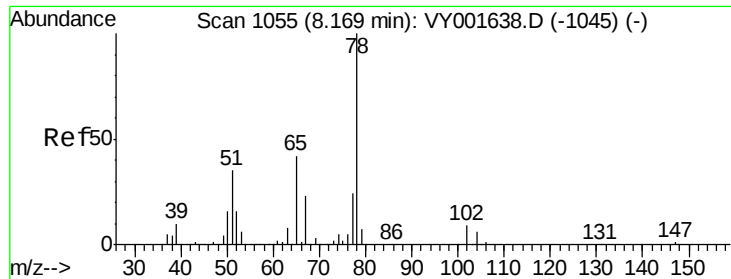
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#32
1,1,1-Trichloroethane
Concen: 49.144 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	44.7	35.0	52.6





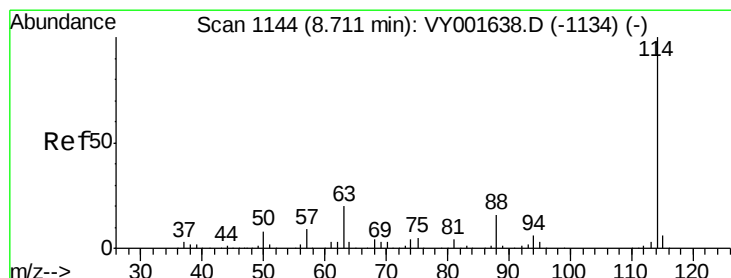
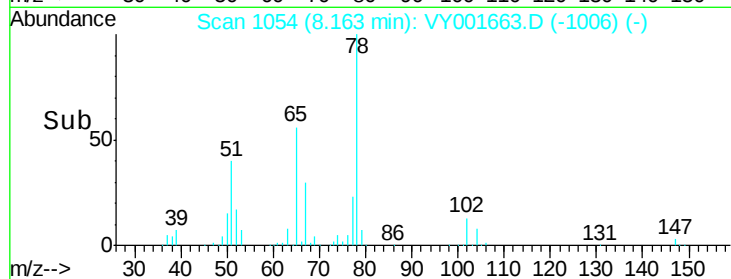
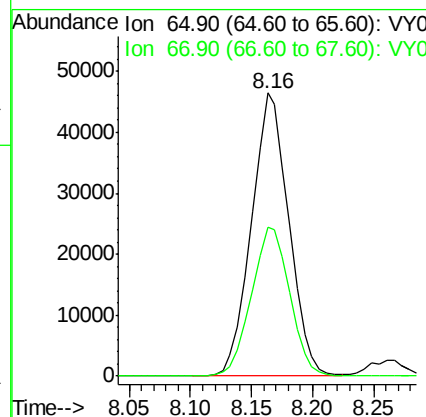
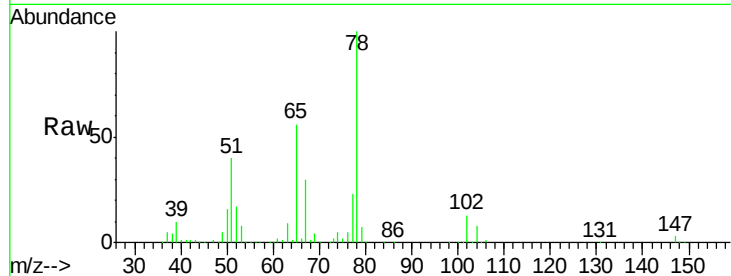
#33
 1,2-Dichloroethane-d4
 Concen: 48.185 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.9	0.0	111.0	

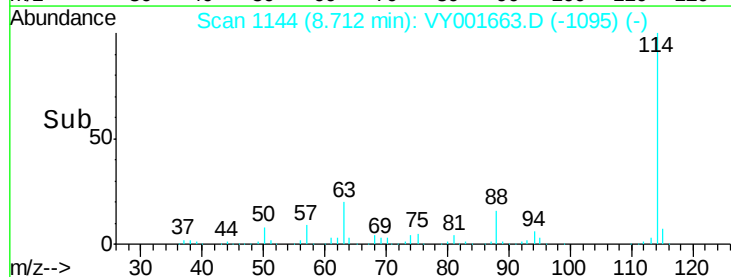
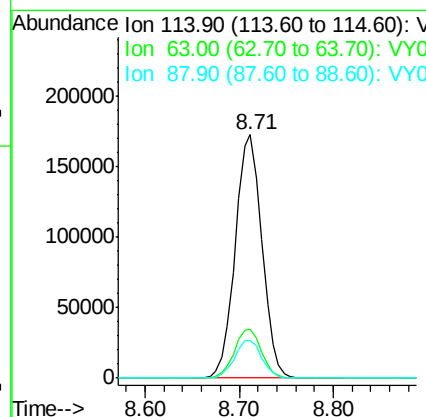
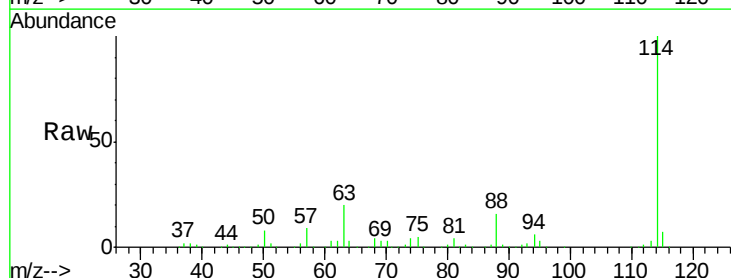
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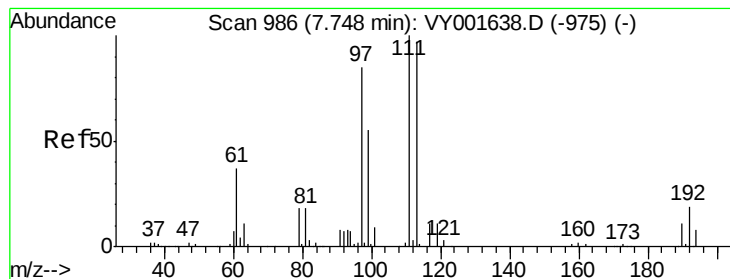
MMDadoda
 2/19/2020 1:42:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	41.4	
88	15.5	0.0	32.8	





#35

Dibromofluoromethane

Concen: 46.471 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 90458

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

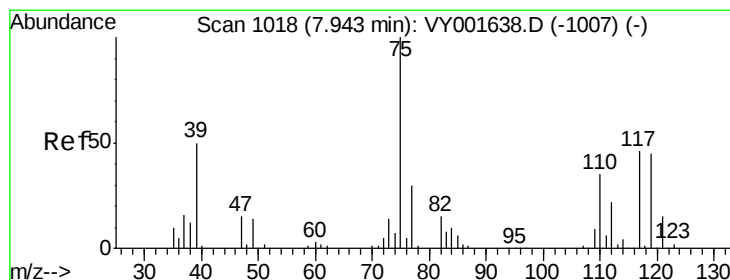
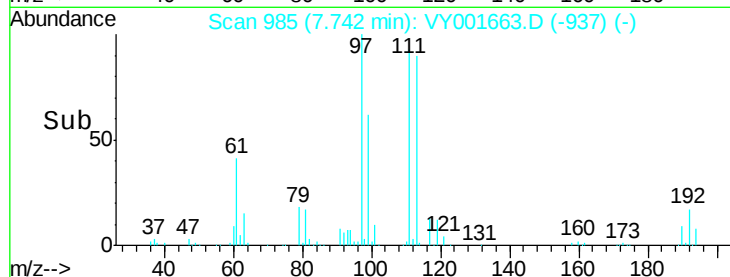
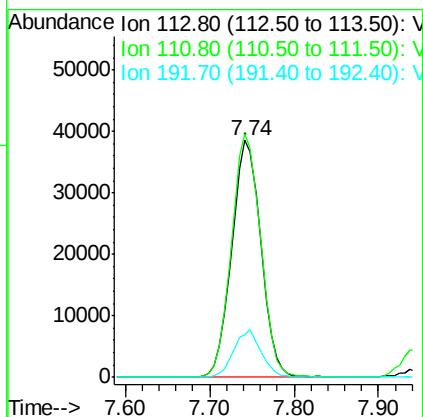
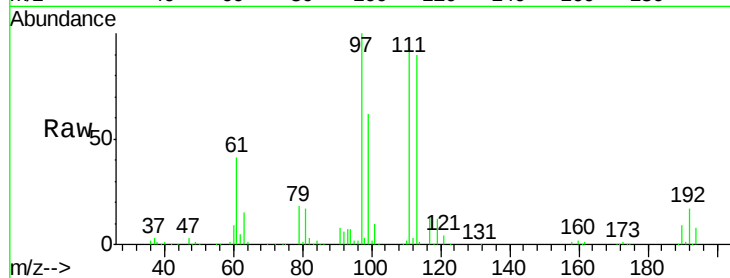
192 18.8 14.3 21.5

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 49.326 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

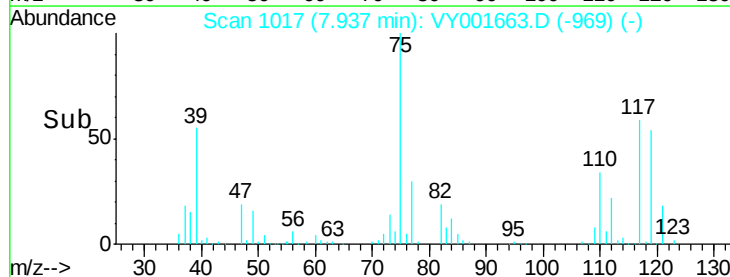
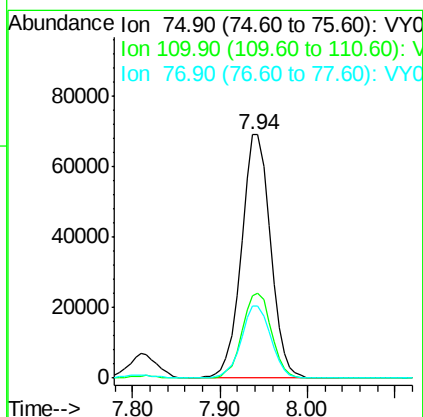
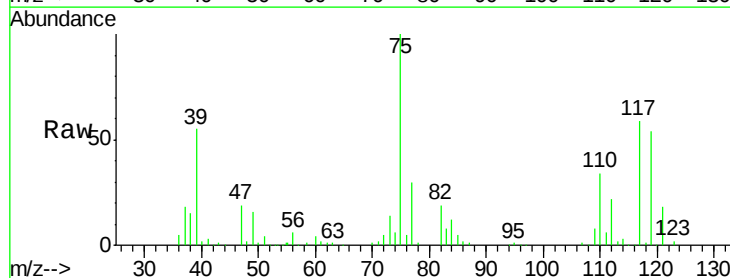
Tgt Ion: 75 Resp: 160129

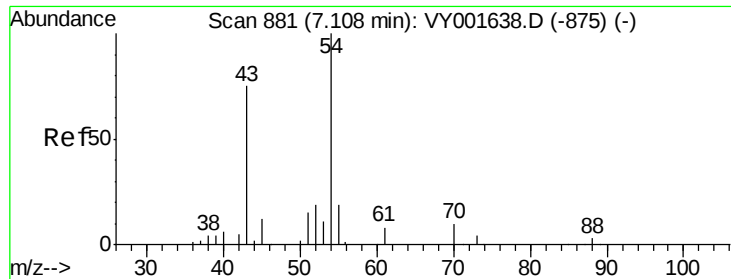
Ion Ratio Lower Upper

75 100

110 35.0 17.2 51.6

77 30.3 24.8 37.2





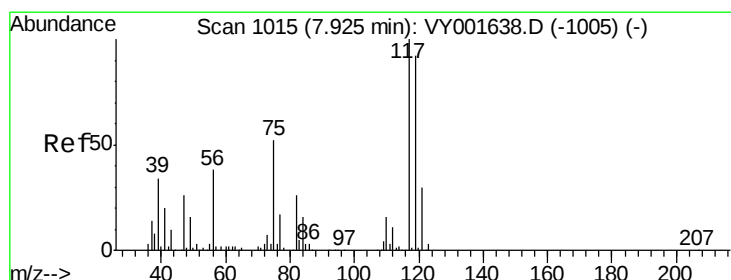
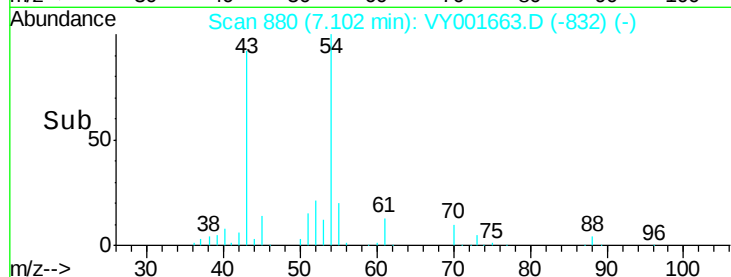
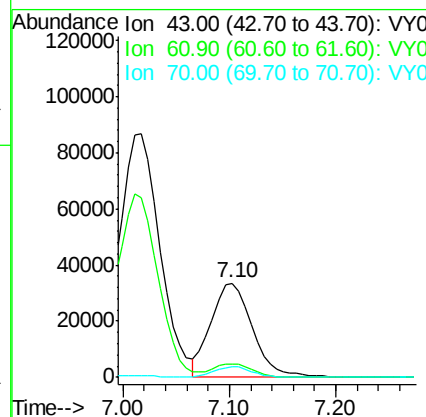
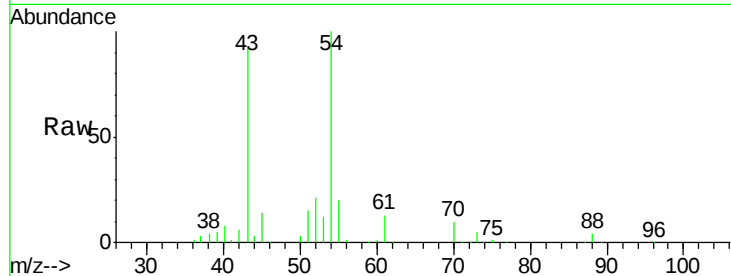
#37
Ethyl Acetate
Concen: 46.349 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.6
70	10.7	8.8	13.2

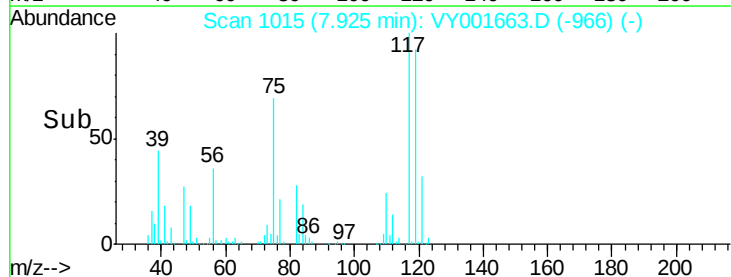
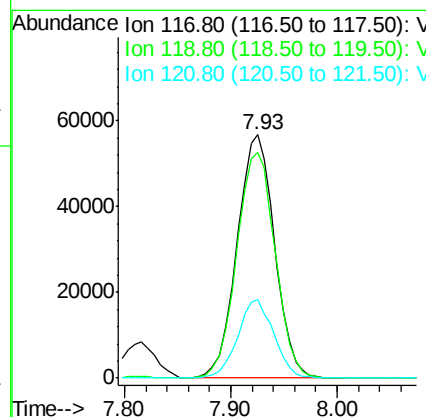
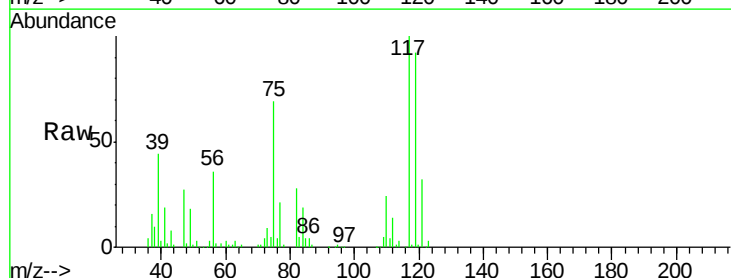
Manual Integrations
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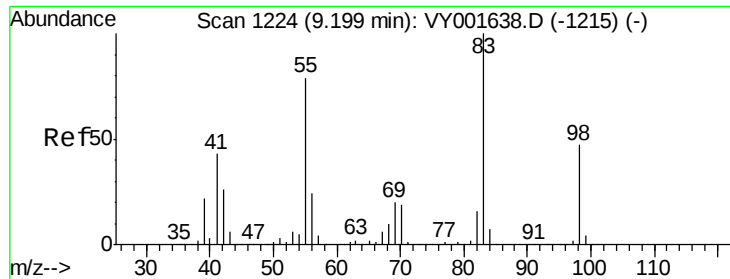
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#38
Carbon Tetrachloride
Concen: 49.239 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	74.8	112.2
121	32.0	23.8	35.6





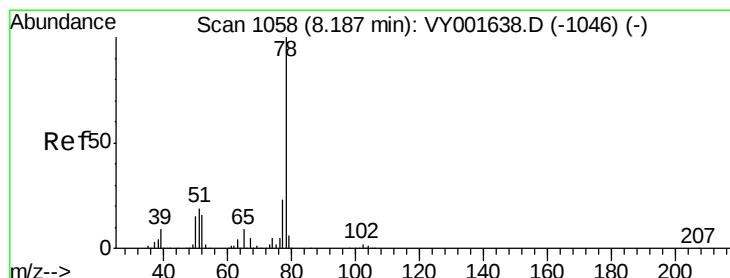
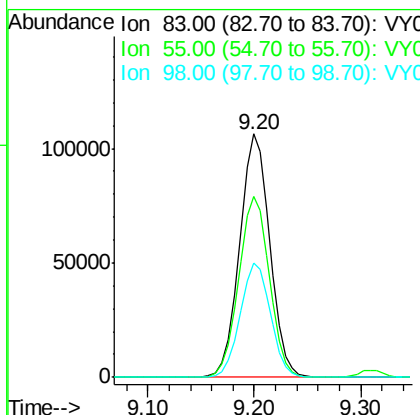
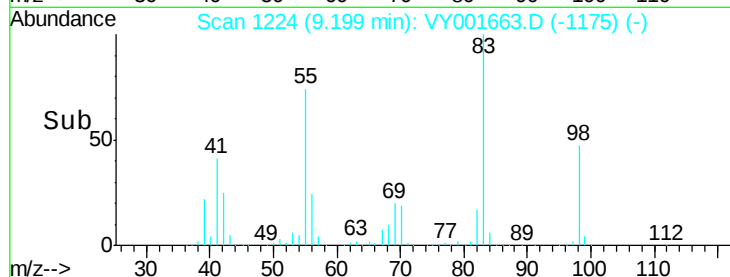
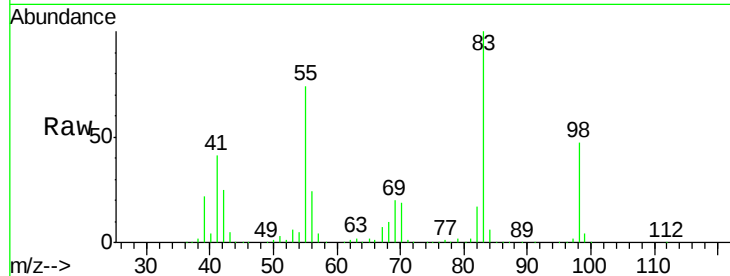
#39
Methvlcvclohexane
Concen: 49.148 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	211671		
55	74.1	61.3	91.9	
98	46.9	38.0	57.0	

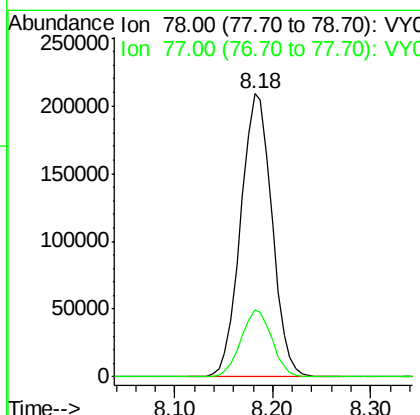
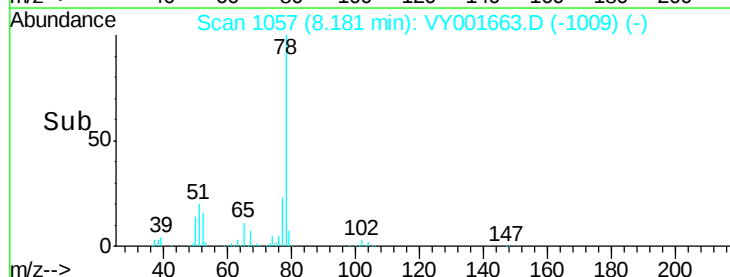
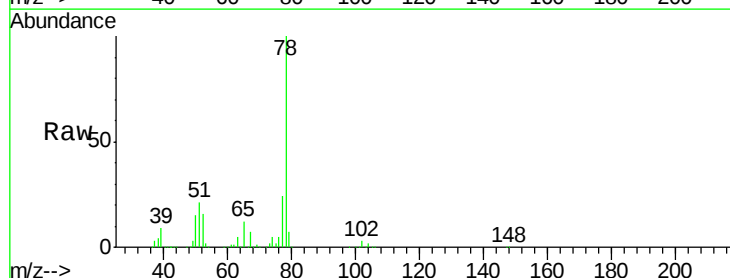
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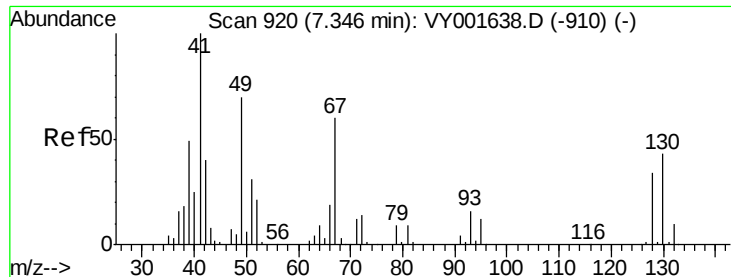
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2/19/2020 1:42:49 PM



#40
Benzene
Concen: 48.652 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	464515		
77	23.6	18.2	27.4	





#41

Methacrylonitrile

Concen: 47.509 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Tot Ion:	41	Resp:	46220
Ion	Ratio	Lower	Upper
41	100		
39	124.8	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

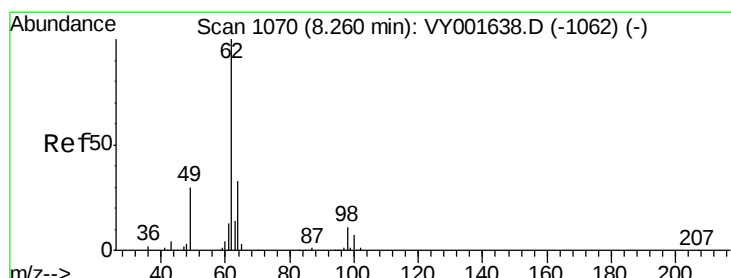
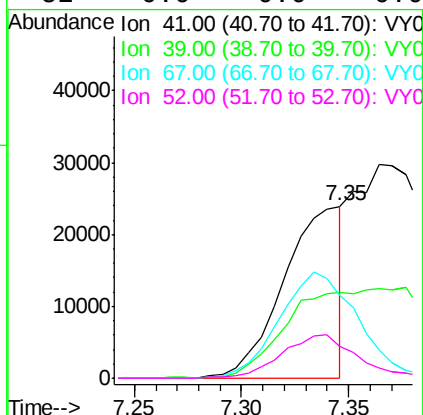
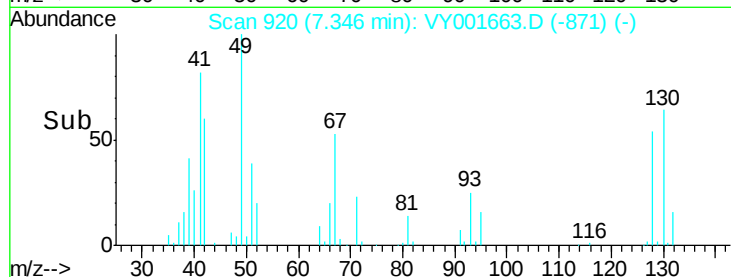
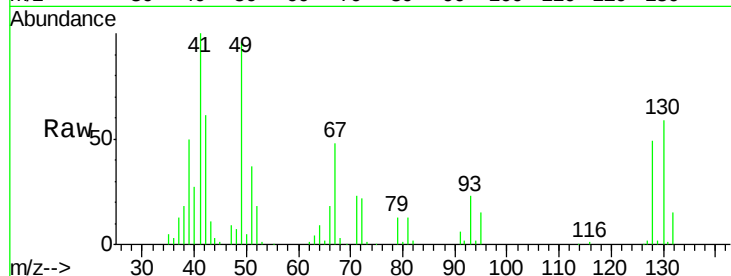
MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.773 ug/l

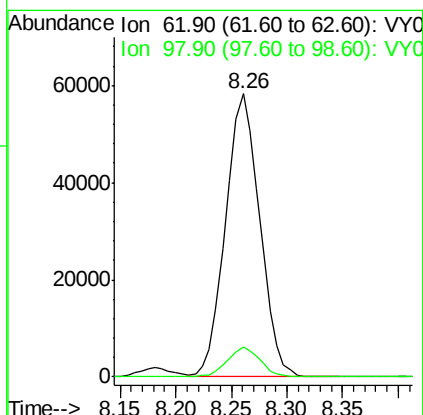
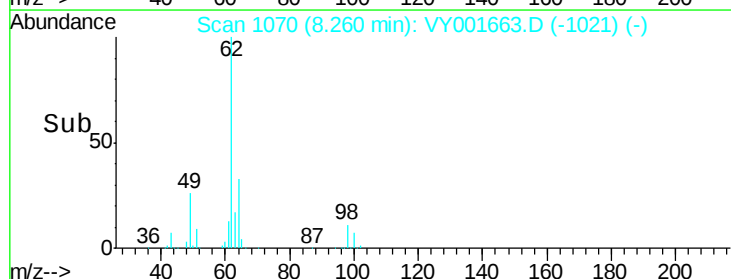
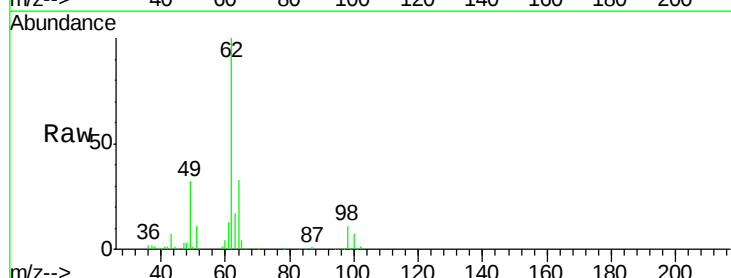
RT: 8.26 min Scan# 1070

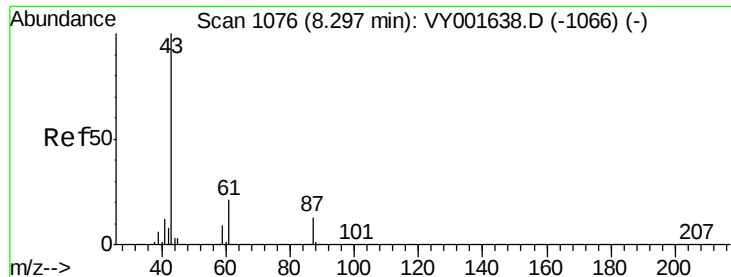
Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Tgt Ion:	62	Resp:	124261
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.8





#43

Isopropyl Acetate

Concen: 48.585 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

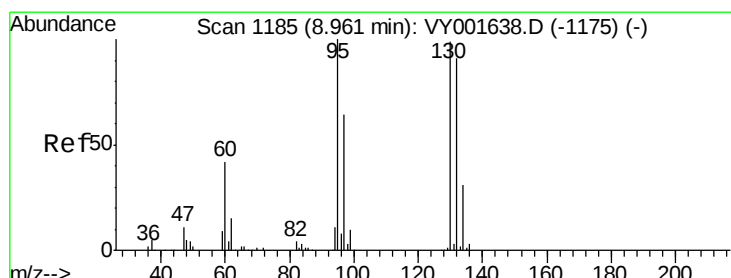
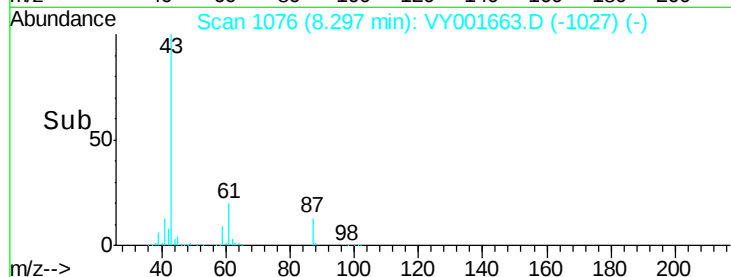
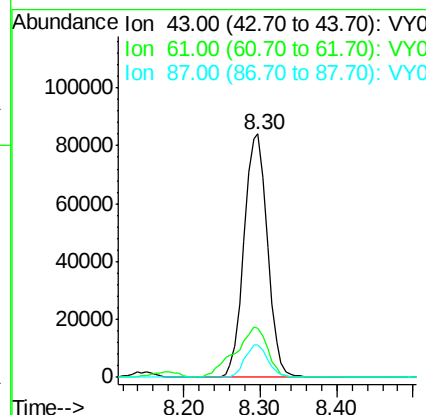
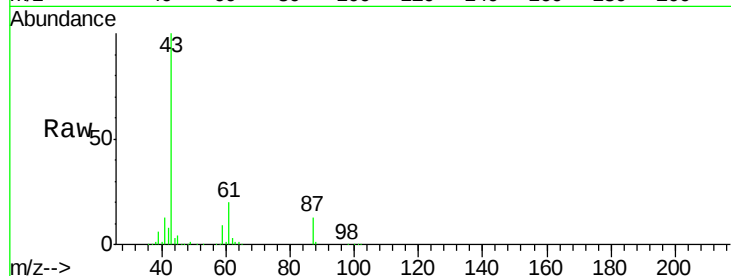
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	178612
Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.0	34.4
87	13.2	10.7	16.1

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#44

Trichloroethene

Concen: 48.957 ug/l

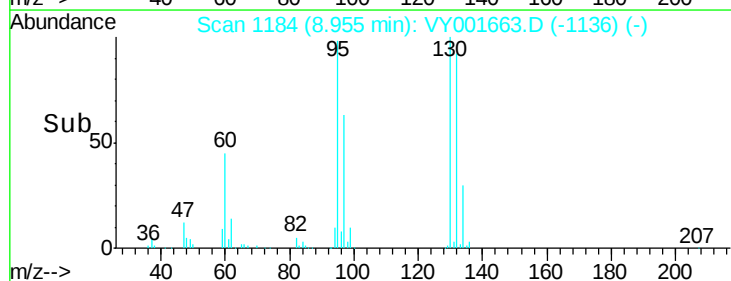
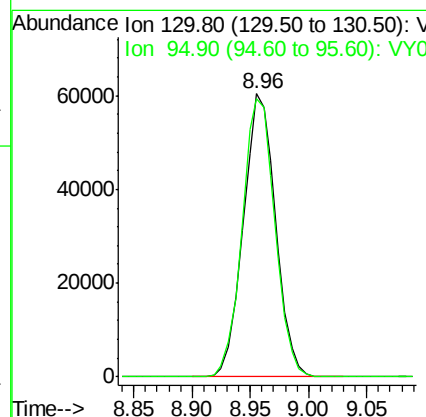
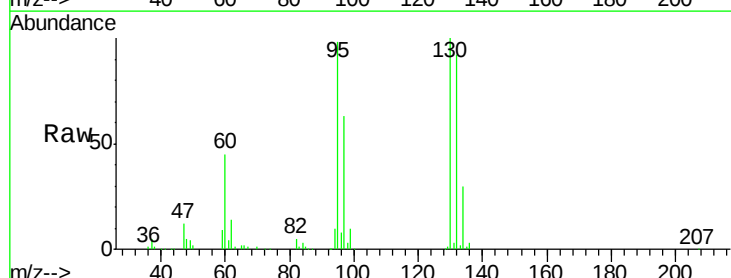
RT: 8.96 min Scan# 1184

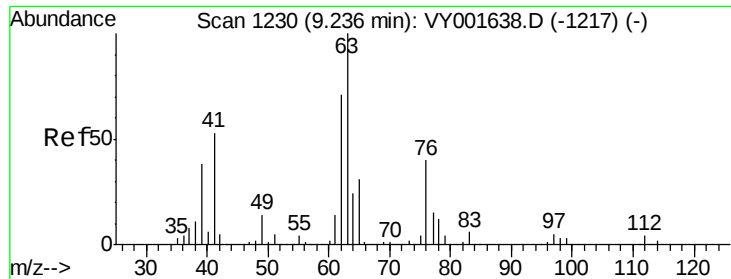
Delta R.T. -0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Tgt Ion:	130	Resp:	116684
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	200.6





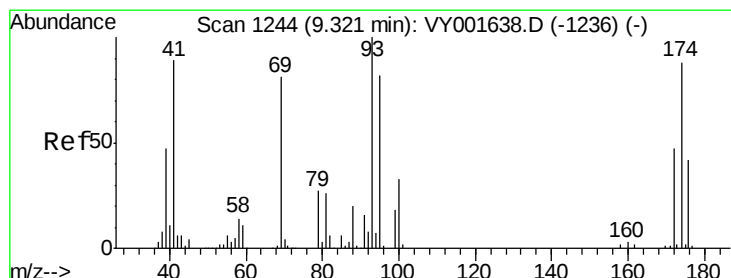
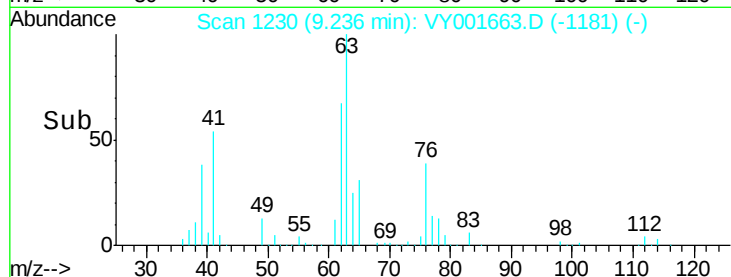
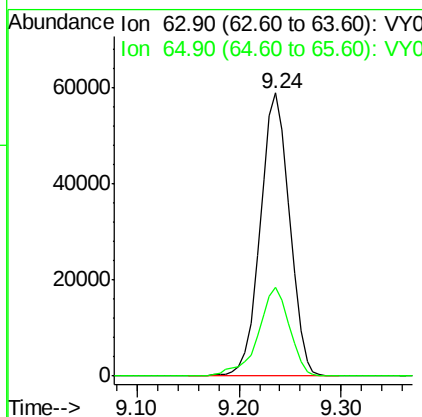
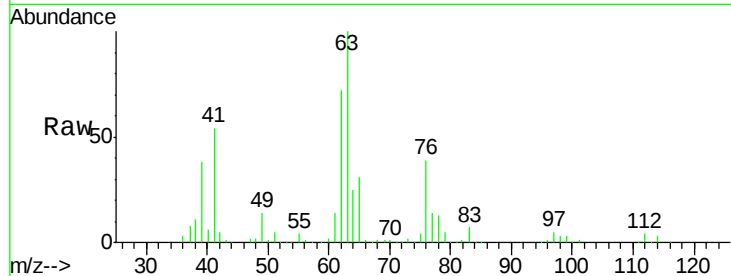
#45
 1,2-Dichloropropane
 Concen: 49.158 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 117542
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0

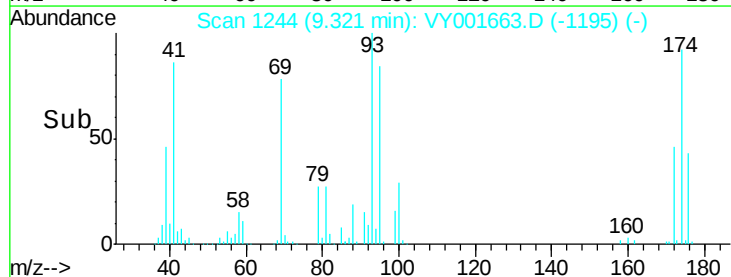
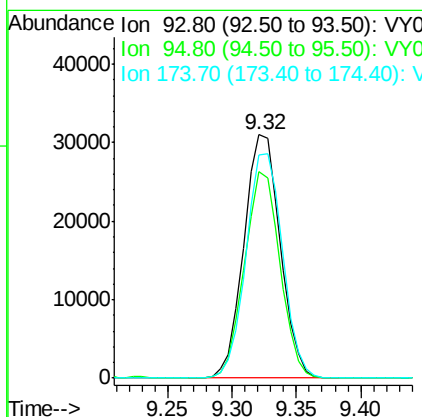
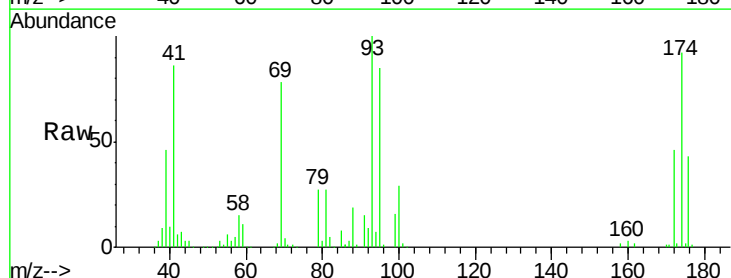
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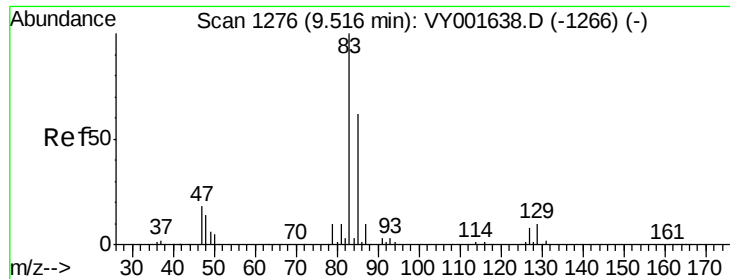
MMDadoda
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#46
 Dibromomethane
 Concen: 48.396 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Tgt Ion: 93 Resp: 60526
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.1 99.1
 174 92.4 72.5 108.7





#47

Bromodichloromethane

Concen: 48.551 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

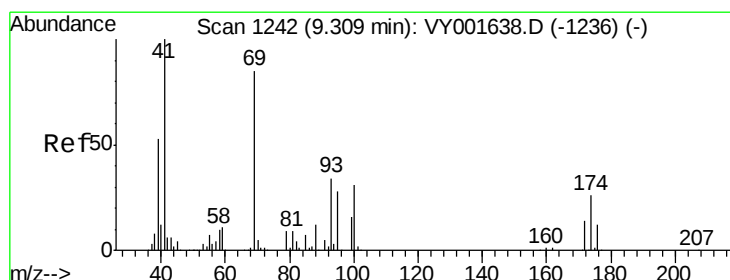
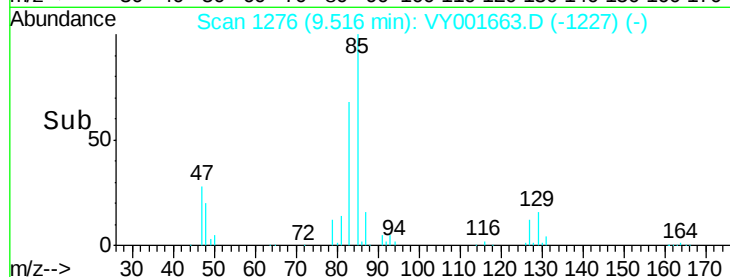
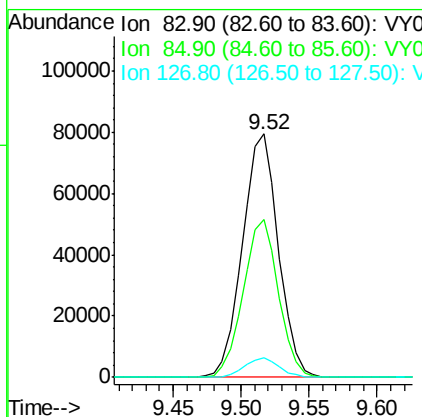
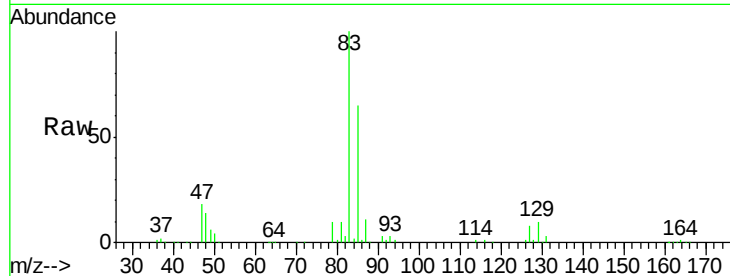
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	146545
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.4	77.0
127	8.0	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.519 ug/l

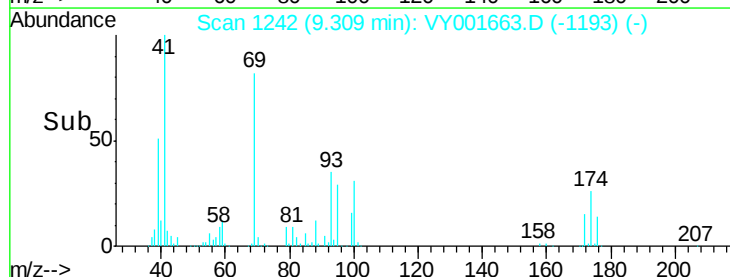
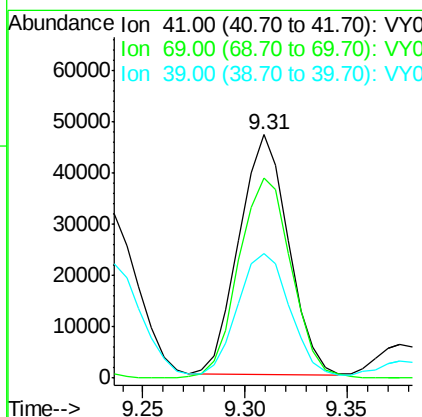
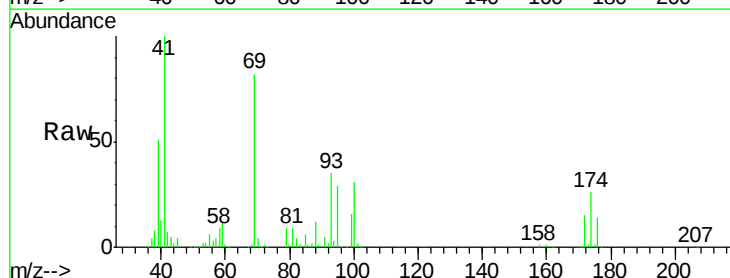
RT: 9.31 min Scan# 1242

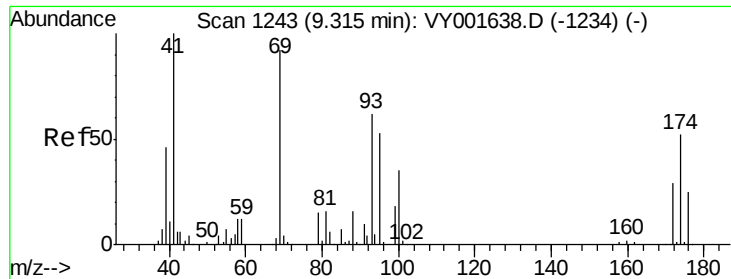
Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Tgt Ion:	41	Resp:	79006
Ion Ratio	Lower	Upper	
41	100		
69	88.4	70.7	106.1
39	53.4	42.2	63.2





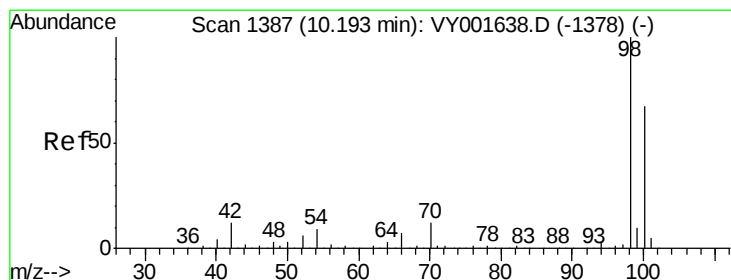
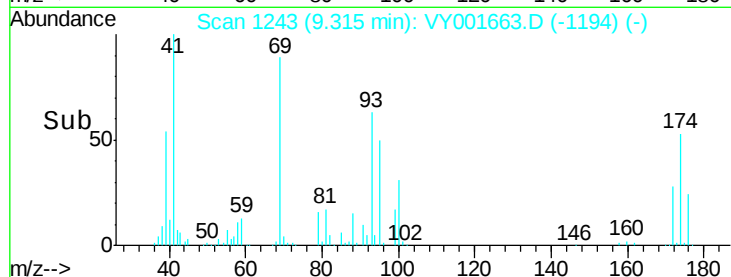
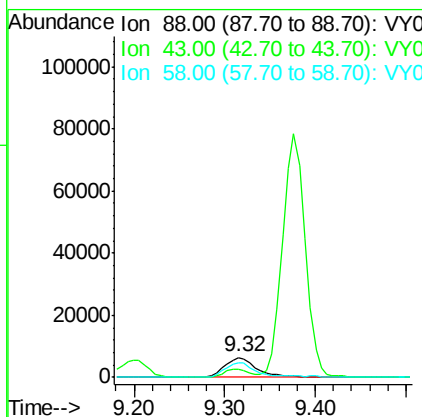
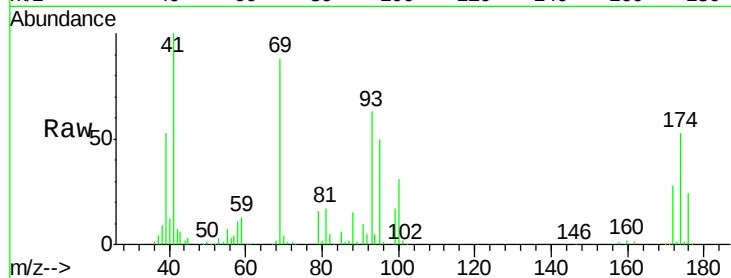
#49
1,4-Dioxane
Concen: 903.818 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.1	34.7
58	76.2	58.1	87.1

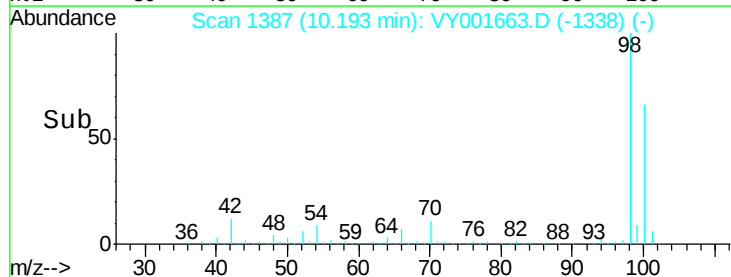
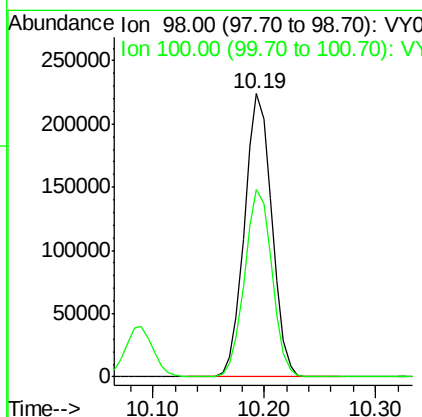
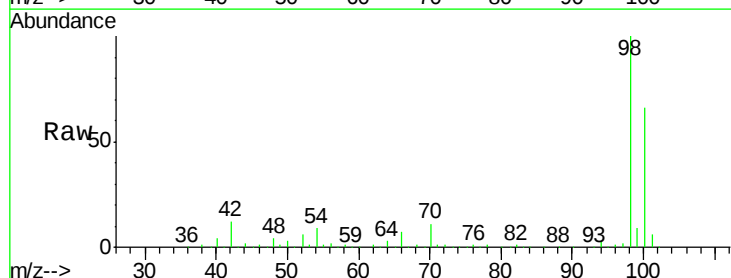
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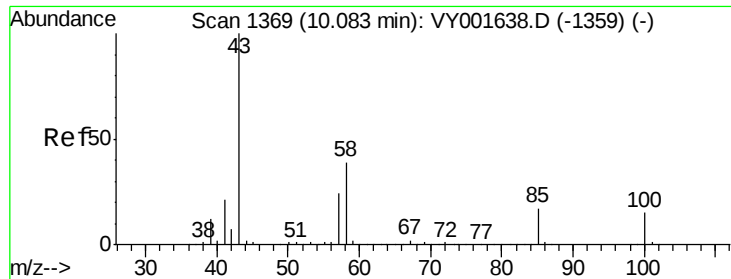
MMDadoda
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#50
Toluene-d8
Concen: 50.078 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4





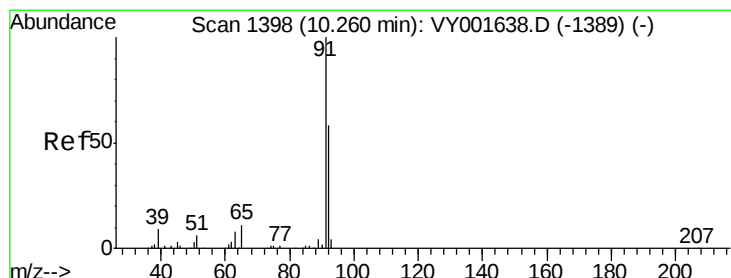
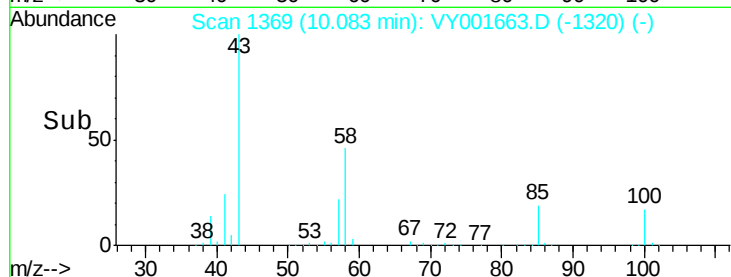
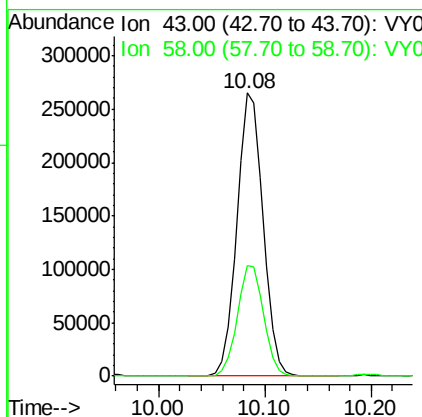
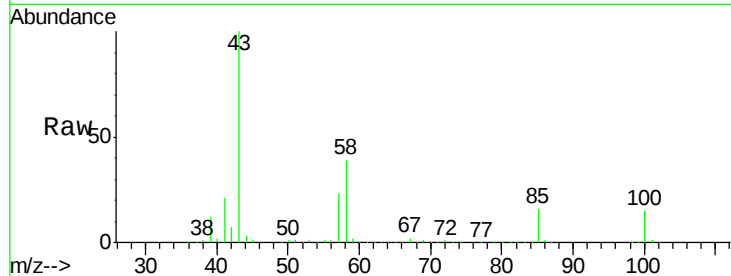
#51
4-Methyl-2-Pentanone
Concen: 242.106 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	32.2	48.4

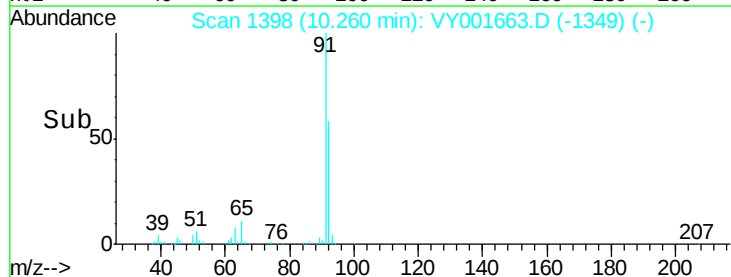
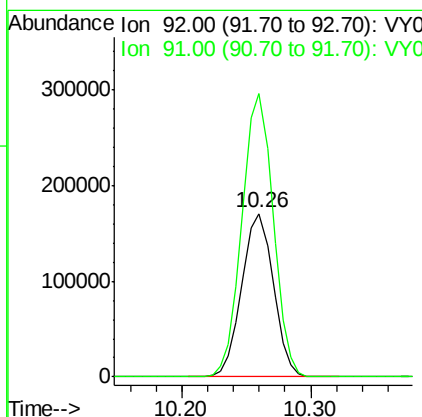
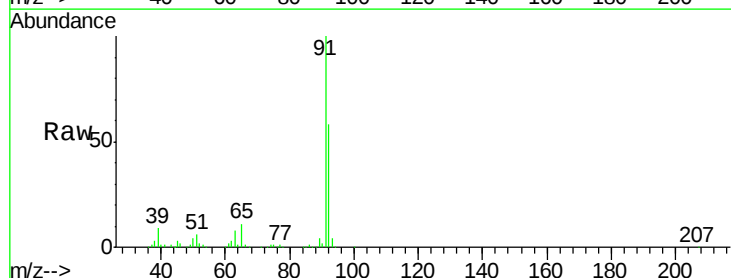
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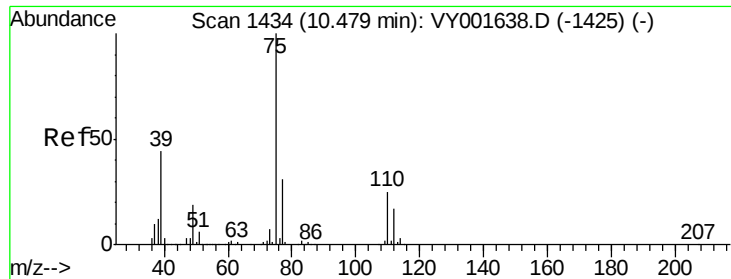
MMDadoda
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#52
Toluene
Concen: 48.826 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.0	205.6





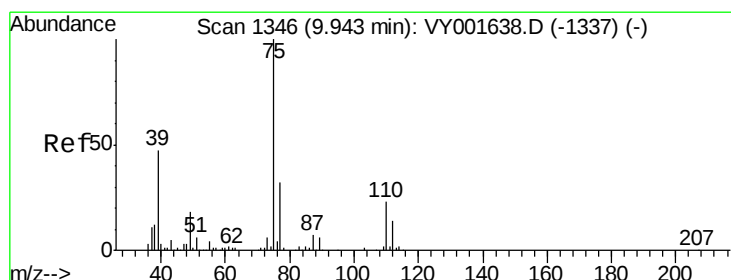
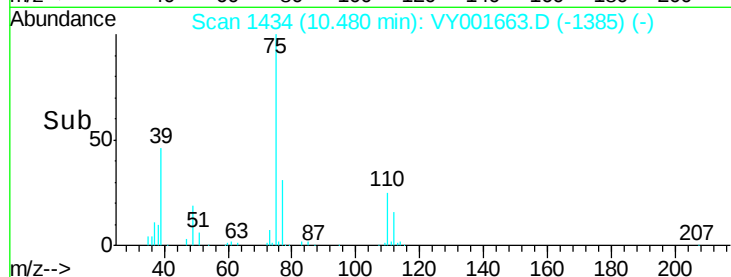
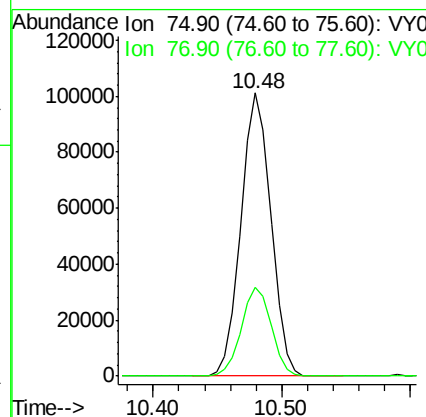
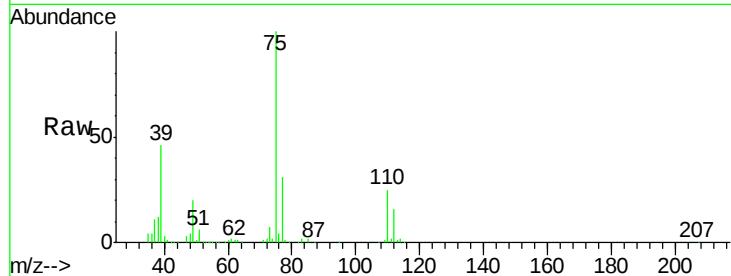
#53
 t-1,3-Dichloropropene
 Concen: 48.843 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 162980
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.2 37.8

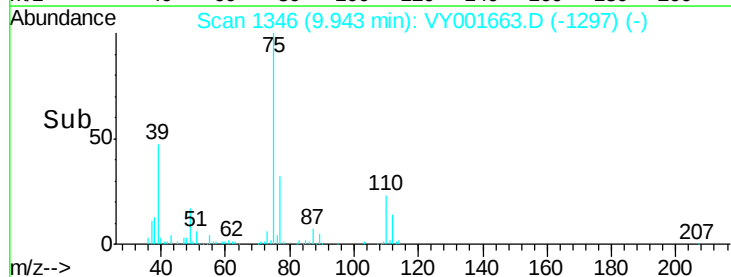
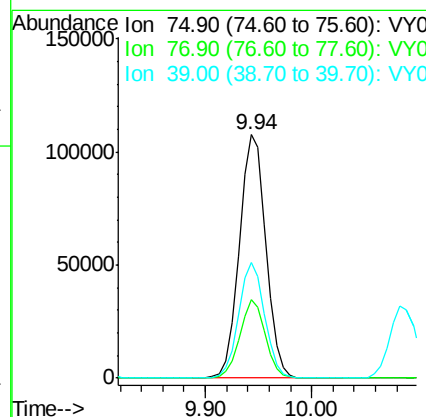
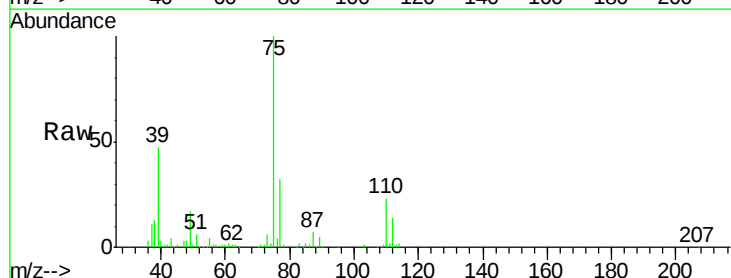
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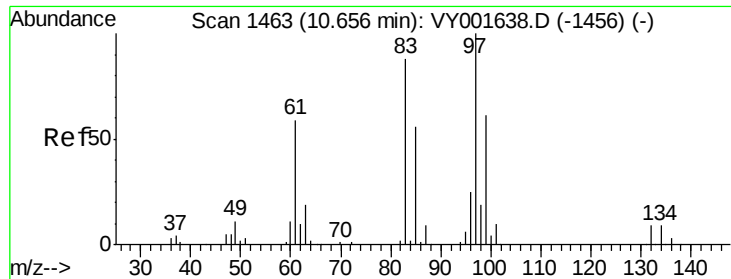
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#54
 cis-1,3-Dichloropropene
 Concen: 48.744 ug/l
 RT: 9.94 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Tgt Ion: 75 Resp: 187200
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.7 38.5
 39 47.3 35.7 53.5





#55

1,1,2-Trichloroethane

Concen: 48.242 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

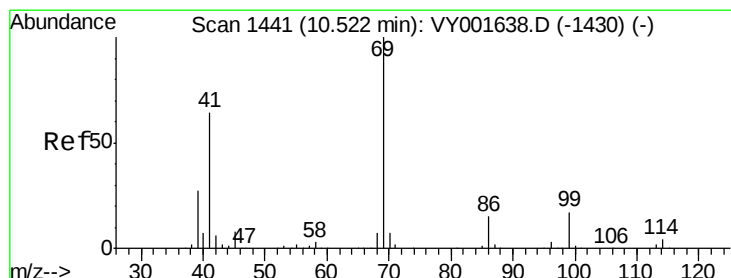
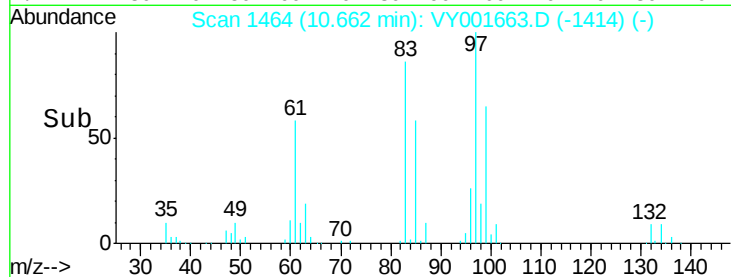
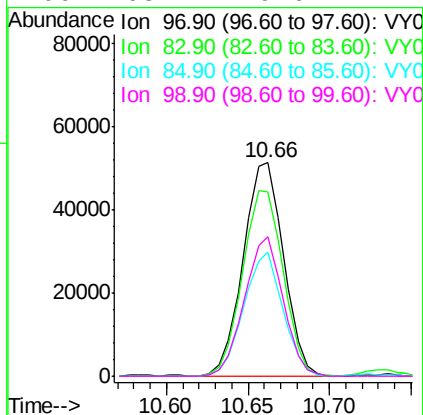
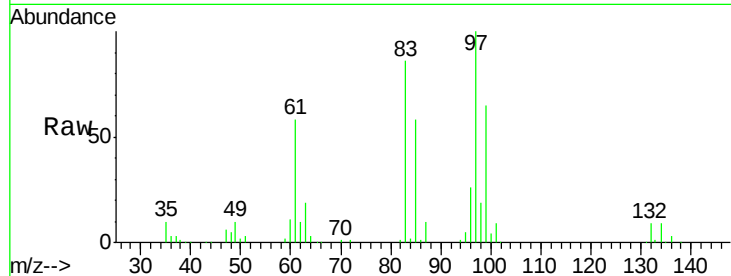
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	88963
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.7	104.5
85	58.0	44.5	66.7
99	65.2	49.6	74.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 48.355 ug/l

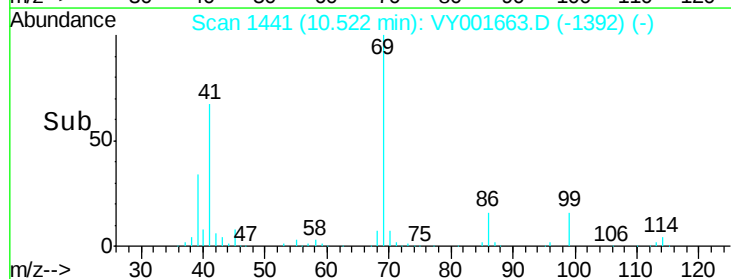
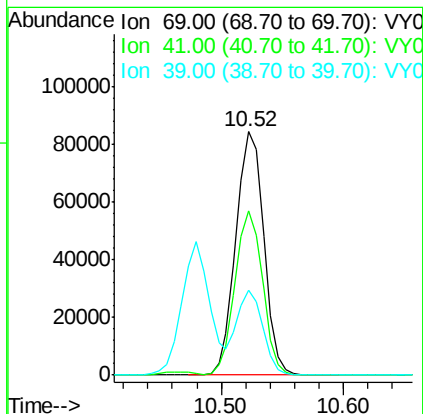
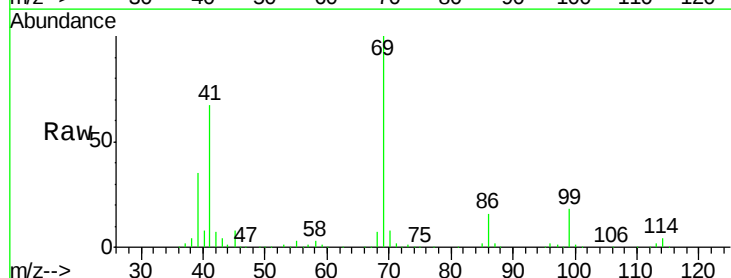
RT: 10.52 min Scan# 1441

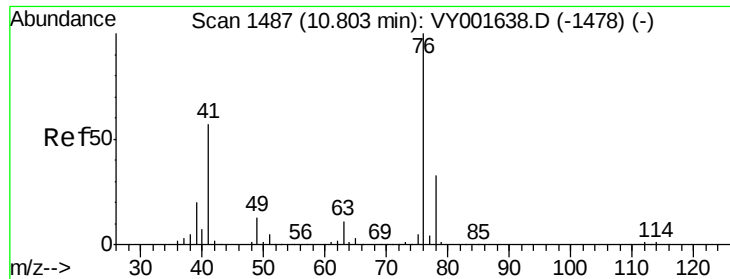
Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Tgt Ion:	69	Resp:	133773
Ion	Ratio	Lower	Upper
69	100		
41	66.4	51.0	76.4
39	32.5	24.7	37.1





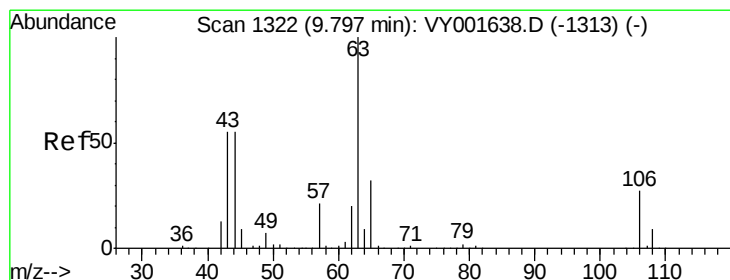
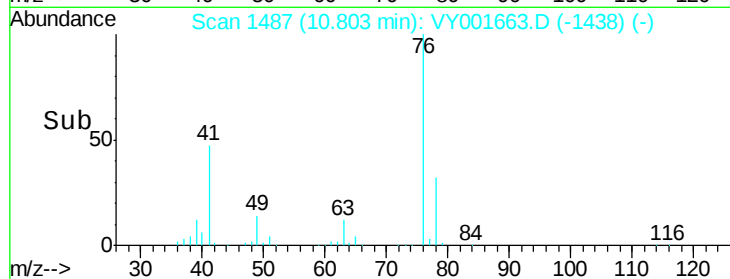
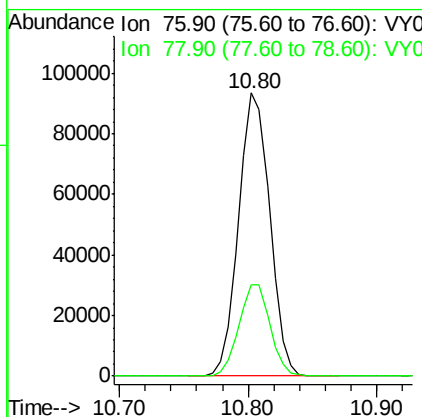
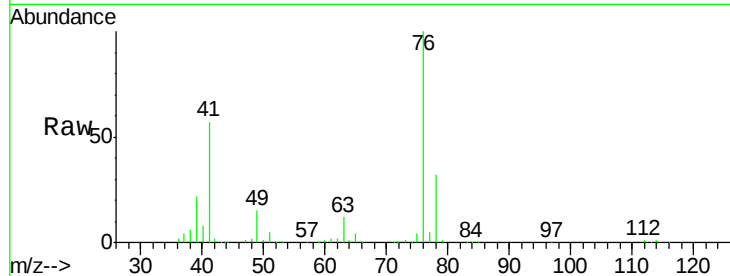
#57
 1,3-Dichloropropane
 Concen: 47.745 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 156443
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

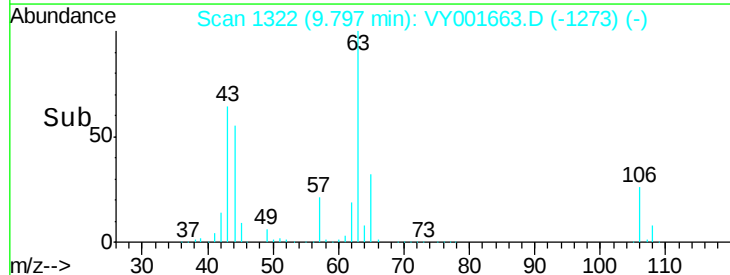
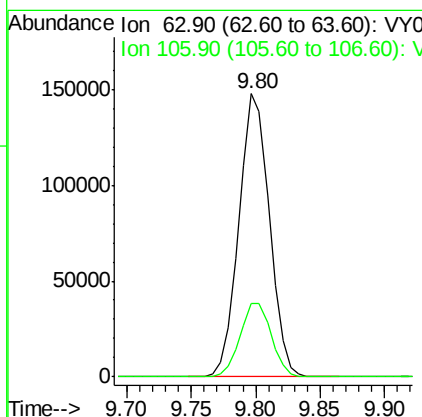
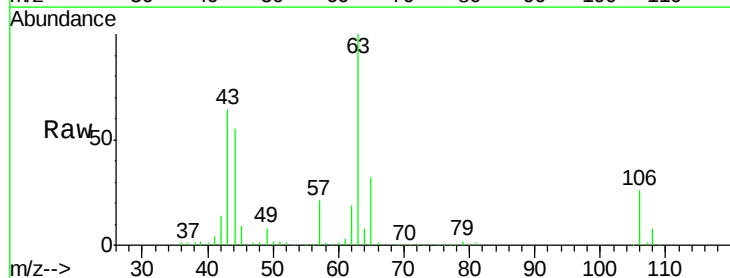
Manual Integrations
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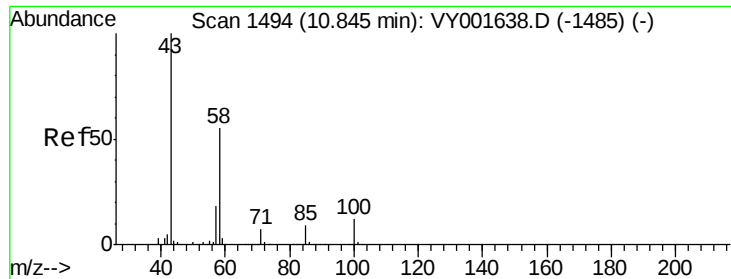
MMDadoda
 2/19/2020 1:42:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 230.780 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Tgt Ion: 63 Resp: 241636
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.6 32.4





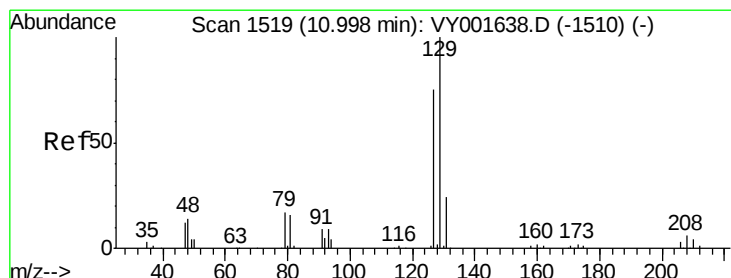
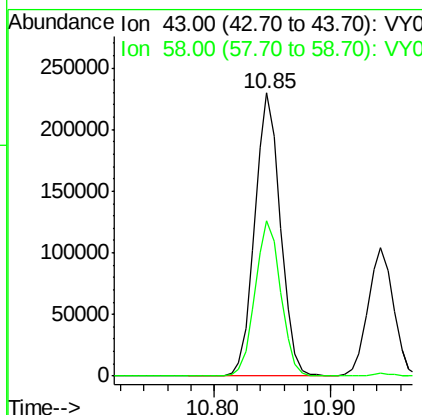
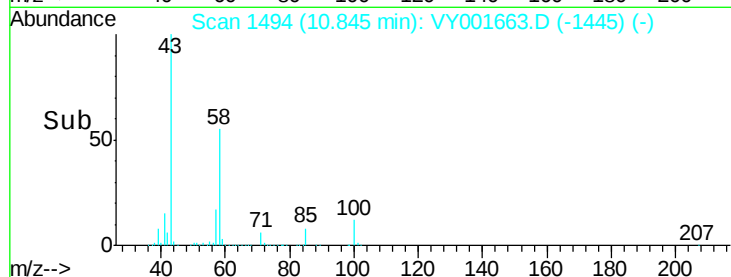
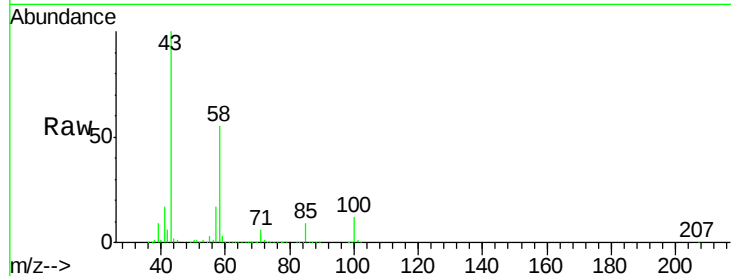
#59
2-Hexanone
Concen: 249.198 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 353169
Ion Ratio Lower Upper
43 100
58 54.9 28.4 85.2

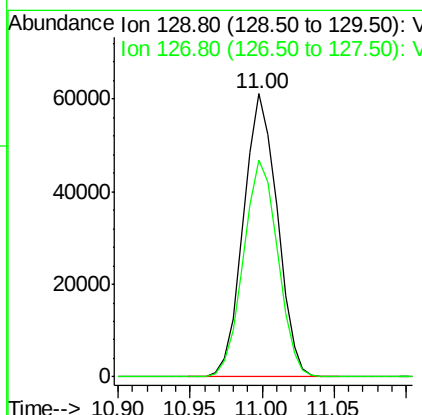
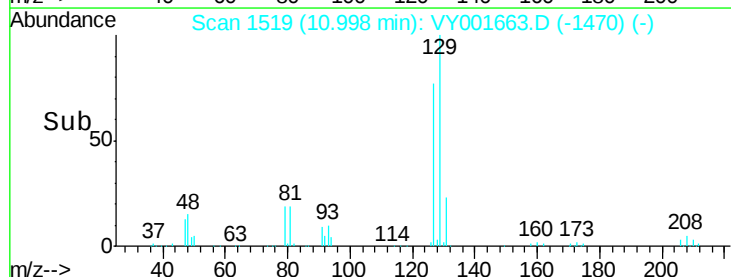
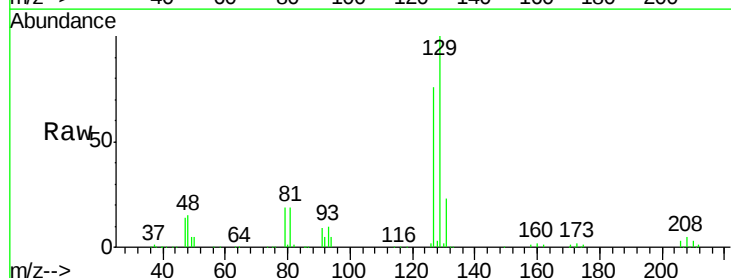
Manual Integrations
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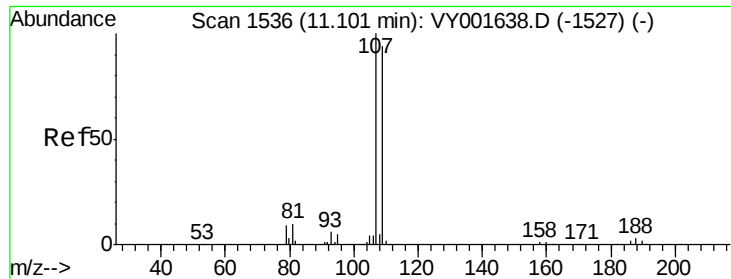
MMDadoda
2/19/2020 1:42:49 PM



#60
Dibromochloromethane
Concen: 48.983 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion: 129 Resp: 99590
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





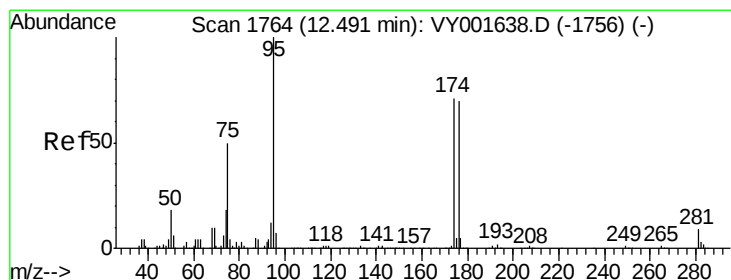
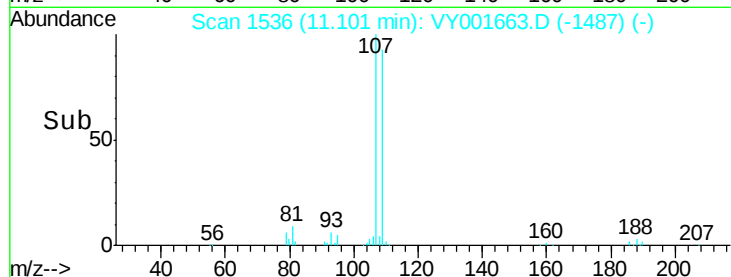
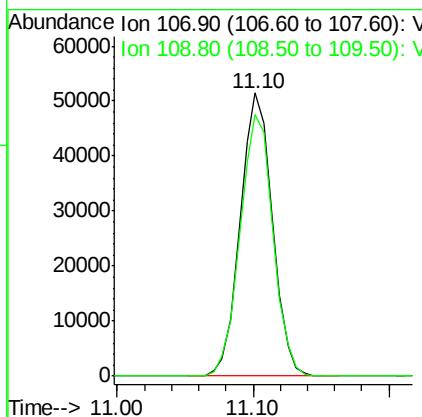
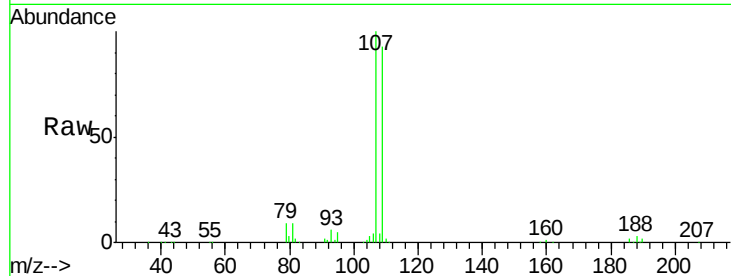
#61
 1,2-Dibromoethane
 Concen: 48.563 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 84678
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.2 111.4

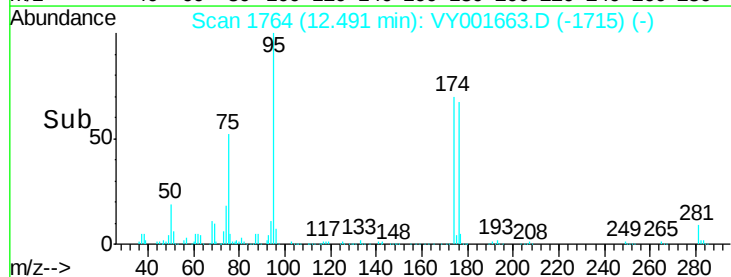
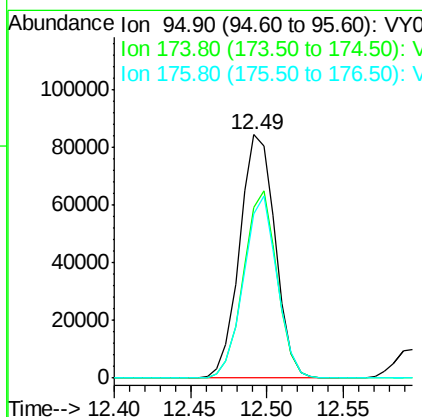
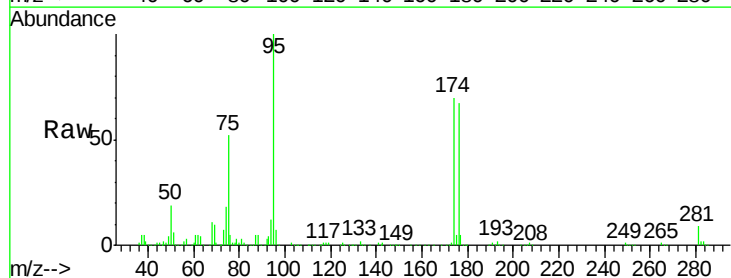
Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:42:49 PM



#62
 4-Bromofluorobenzene
 Concen: 45.790 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Tgt Ion: 95 Resp: 135660
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 138.4
 176 70.9 0.0 131.8





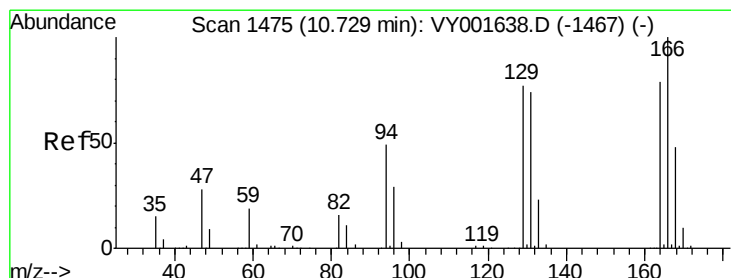
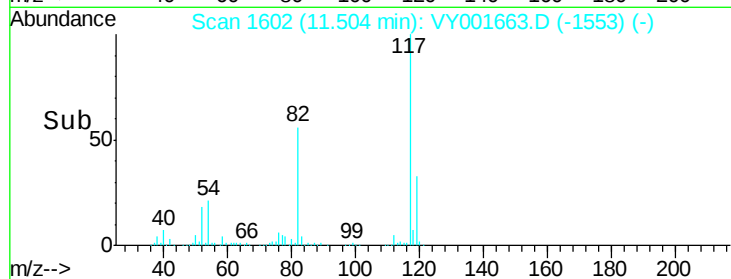
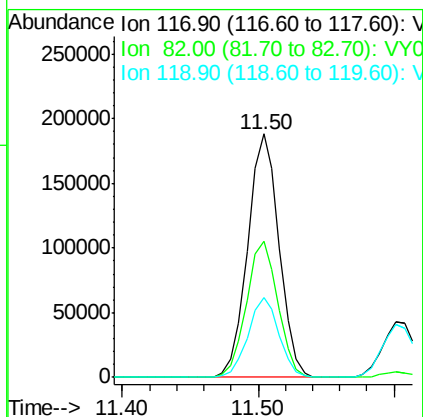
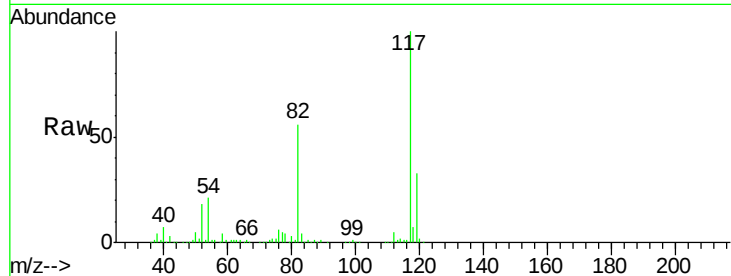
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	303427		
82	55.9		45.5	68.3
119	32.8		25.8	38.6

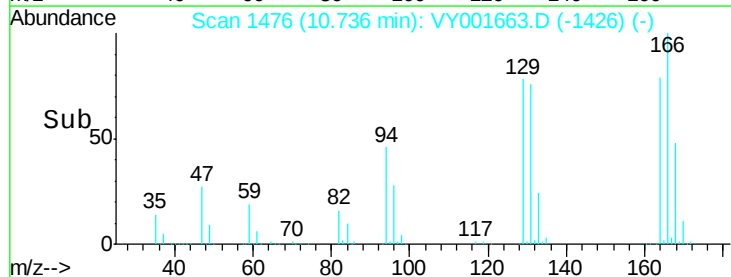
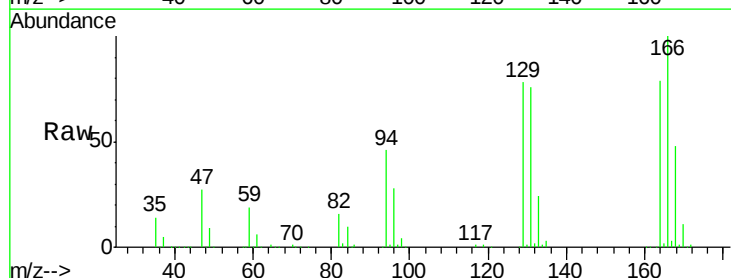
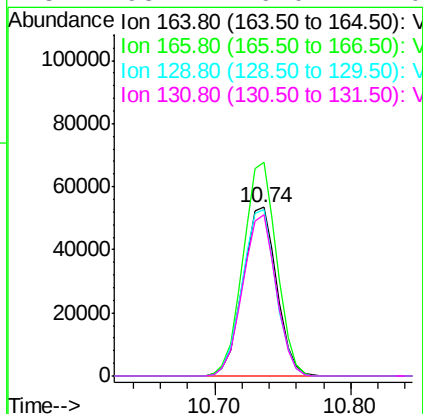
Manual Integrations
APPROVED

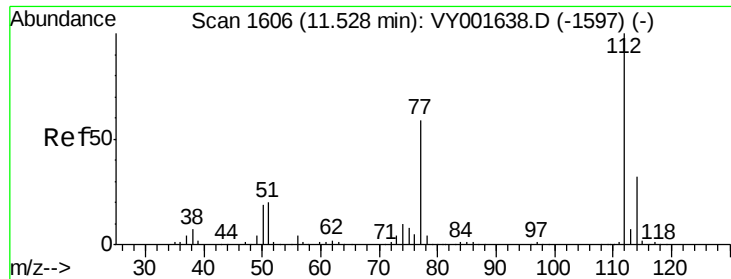
MMDadoda
2/19/2020 1:42:49 PM



#64
Tetrachloroethene
Concen: 48.933 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93207		
166	126.5		101.4	152.0
129	98.3		78.7	118.1
131	95.7		76.0	114.0





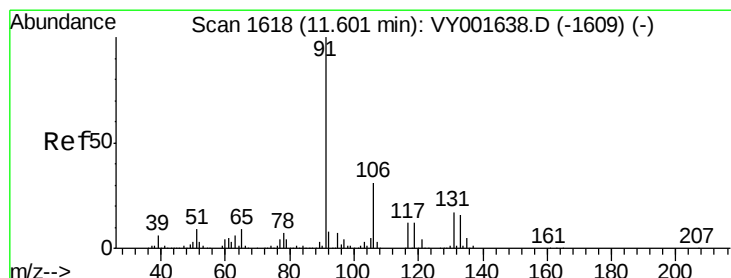
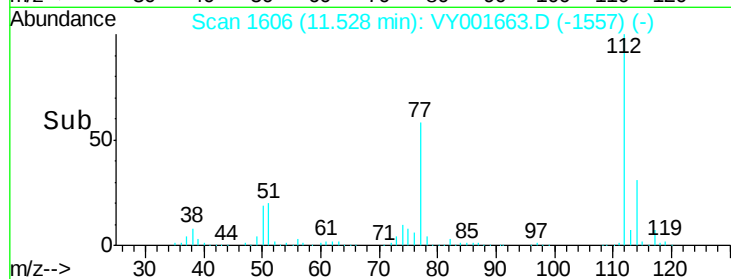
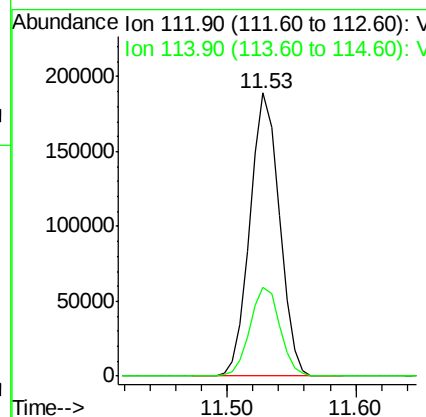
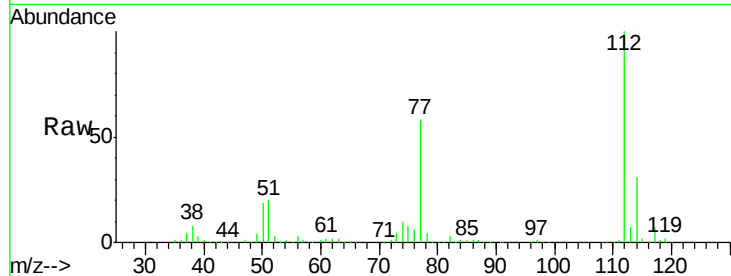
#65
Chlorobenzene
Concen: 49.218 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 298158
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

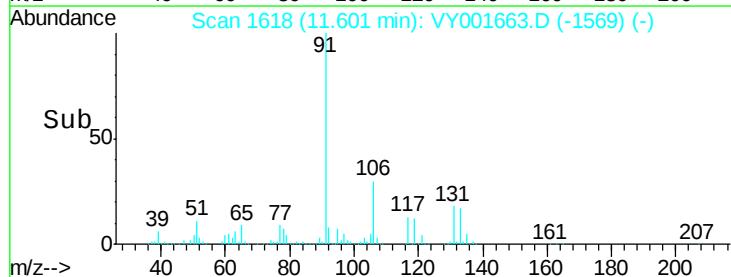
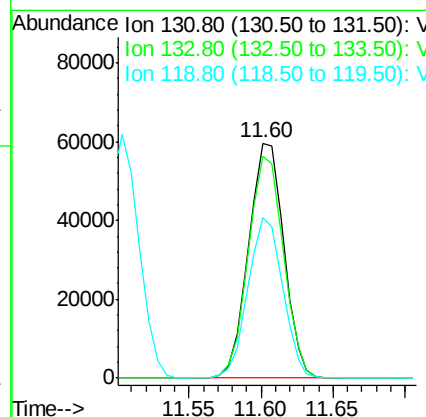
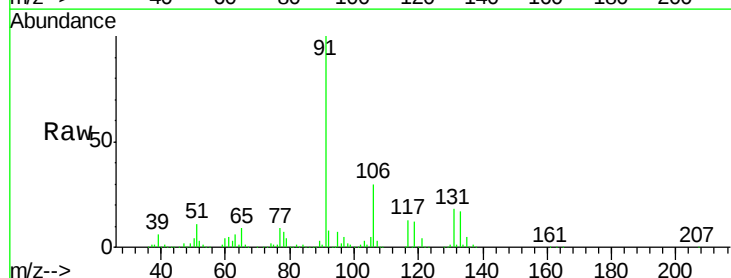
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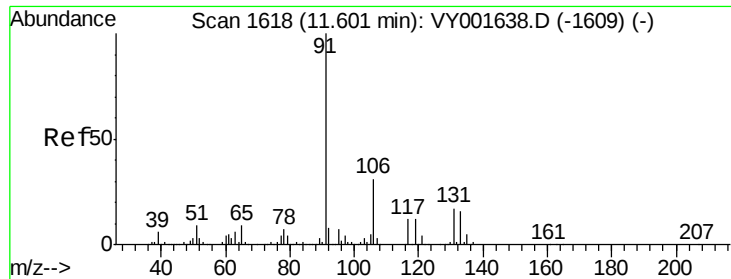
MMDadoda
2/19/2020 1:42:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.353 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion:131 Resp: 100854
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.2
119 67.5 34.4 103.1





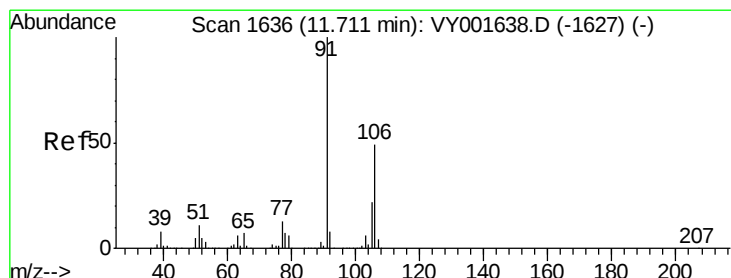
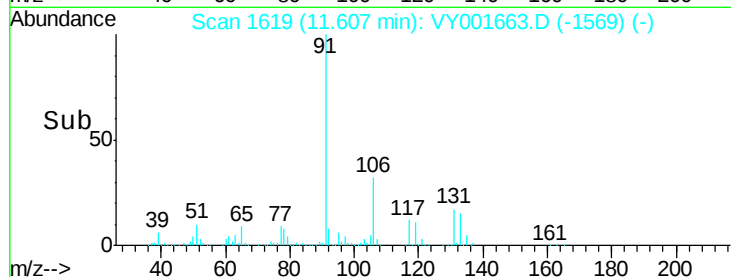
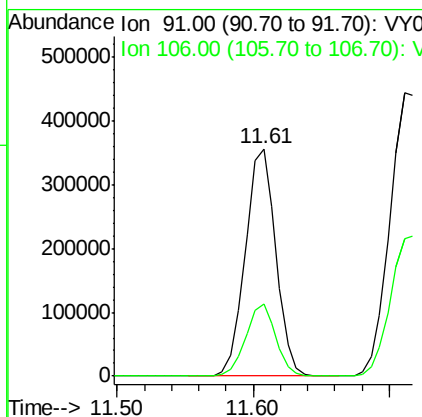
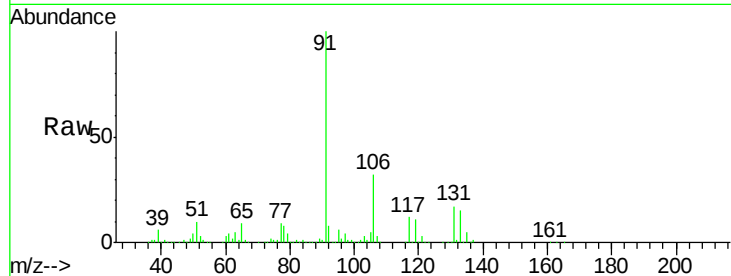
#67
Ethyl Benzene
Concen: 49.830 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 560189
Ion Ratio Lower Upper
91 100
106 31.6 24.5 36.7

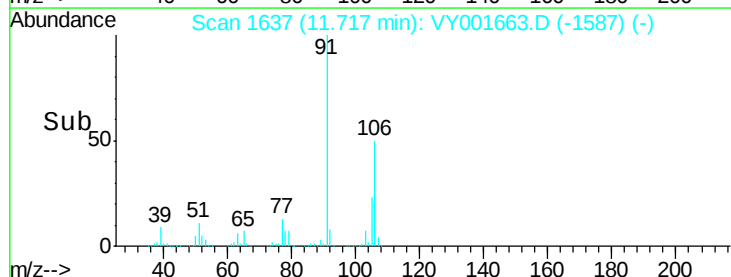
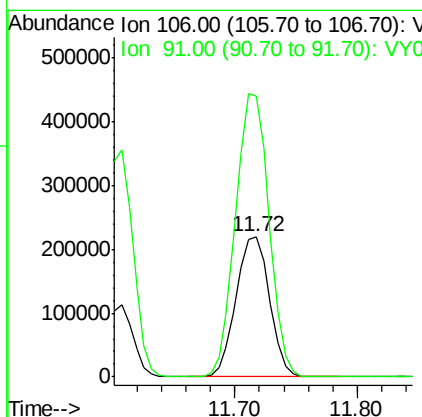
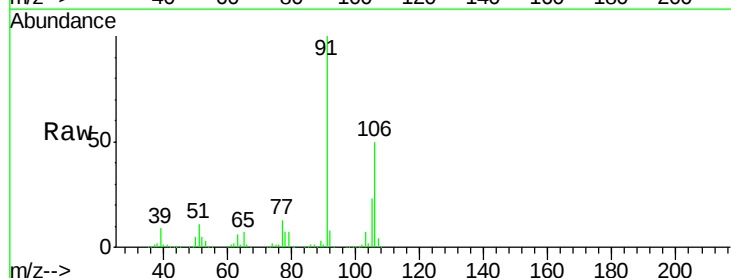
Manual Integrations
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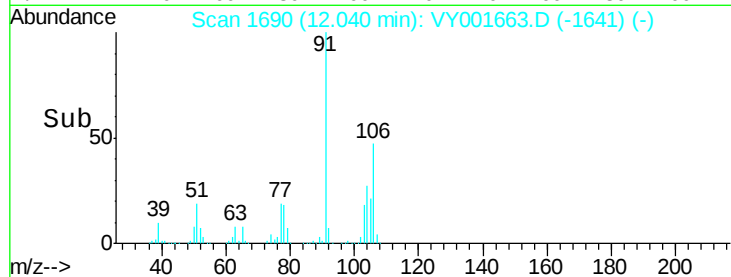
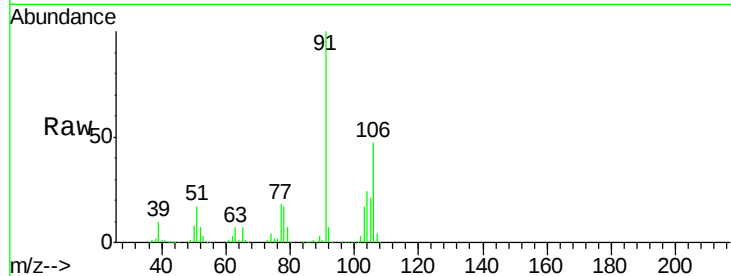
MMDadoda
2/19/2020 1:42:49 PM



#68
m/p-Xylenes
Concen: 99.202 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion: 106 Resp: 416588
Ion Ratio Lower Upper
106 100
91 202.0 163.3 244.9





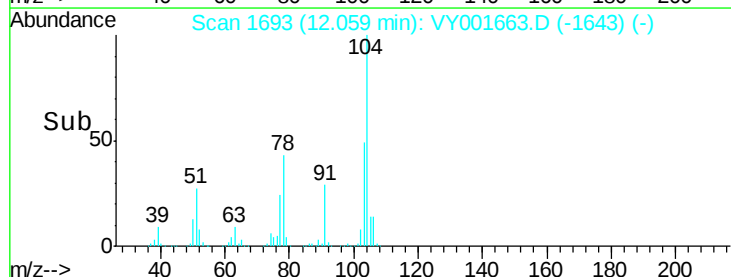
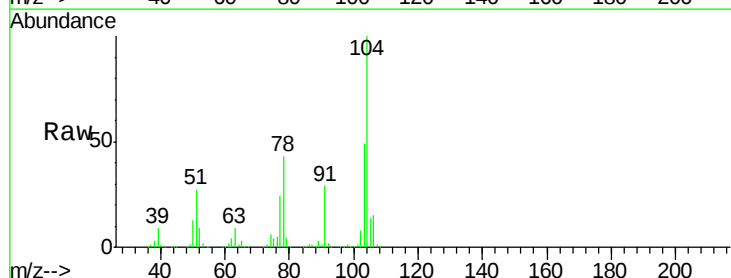
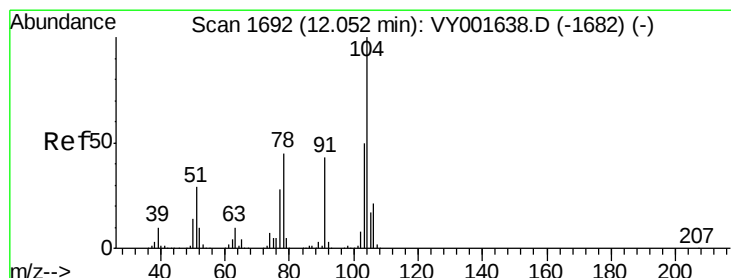
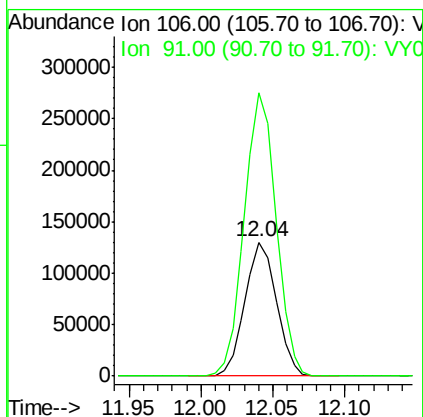
#69
o-Xylene
Concen: 49.427 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		197331		
91	214.0	108.3	324.9		

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

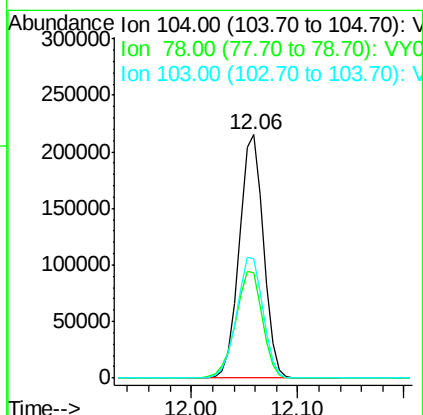
Manual Integrations
APPROVED

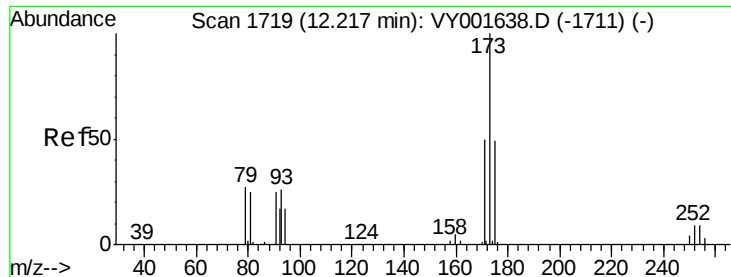
MMDadoda
2/19/2020 1:42:49 PM



#70
Styrene
Concen: 49.595 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		344111		
78	48.6	39.2	58.8		
103	54.1	43.0	64.6		





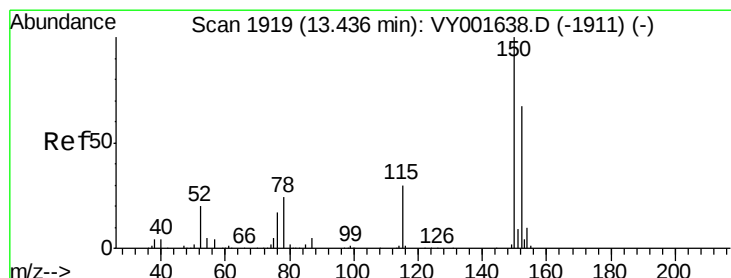
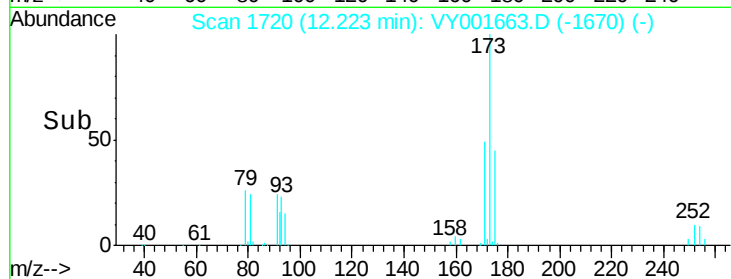
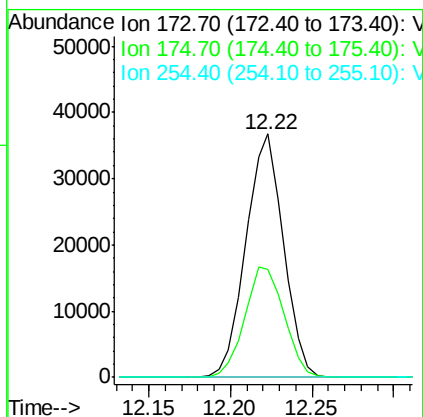
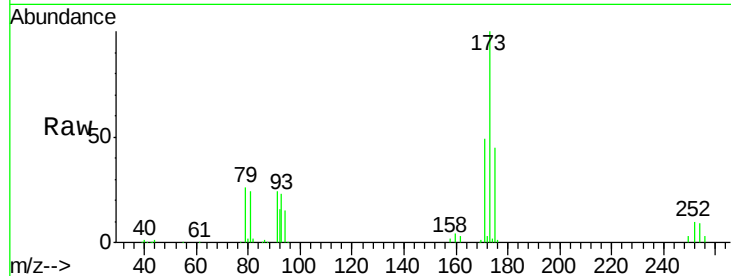
#71
Bromoform
Concen: 50.516 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	73.0
254	0.0	0.1	0.1#

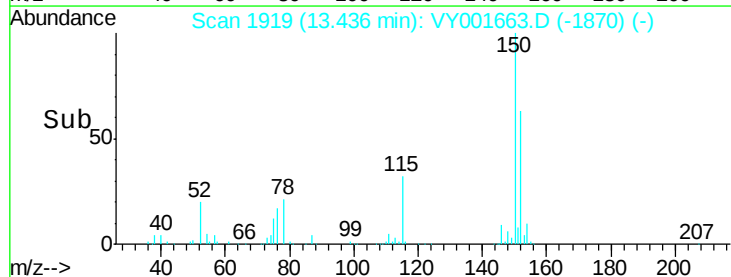
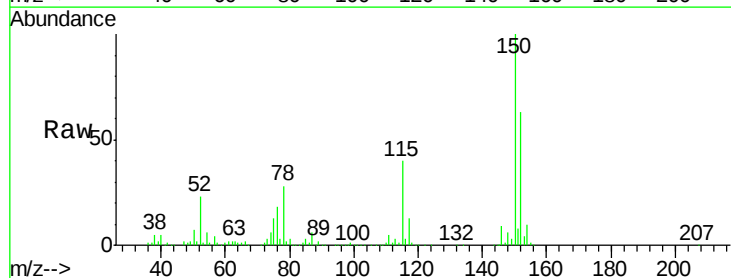
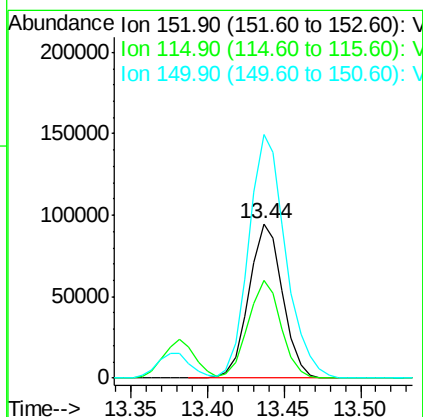
Manual Integrations
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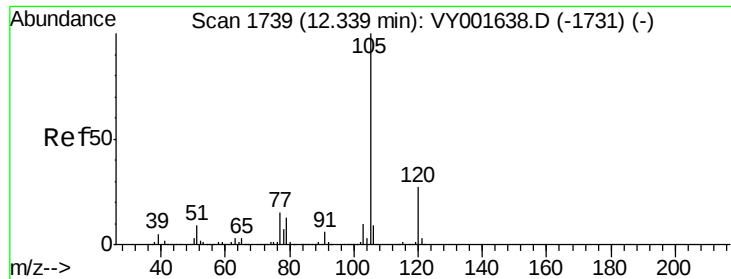
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.4	94.2
150	173.2	0.0	407.2





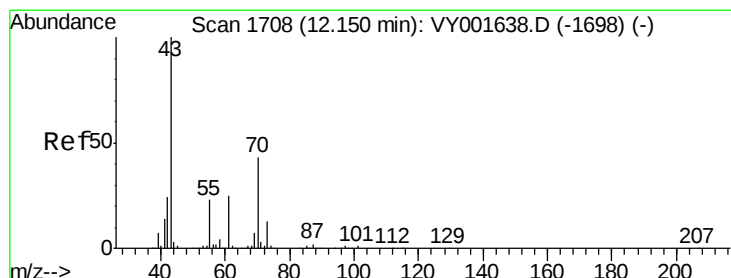
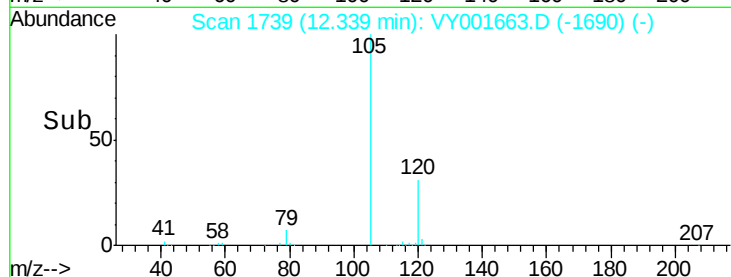
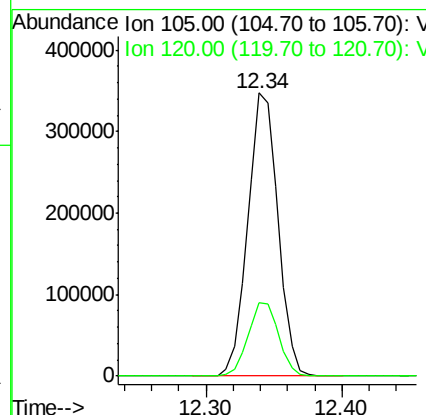
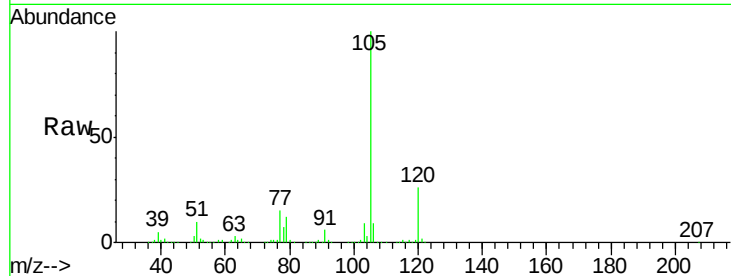
#73
Isopropylbenzene
Concen: 48.902 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.4	40.1

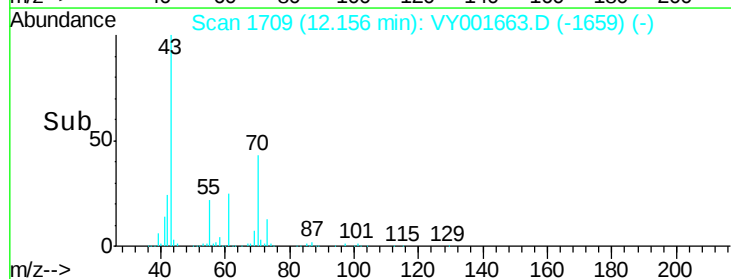
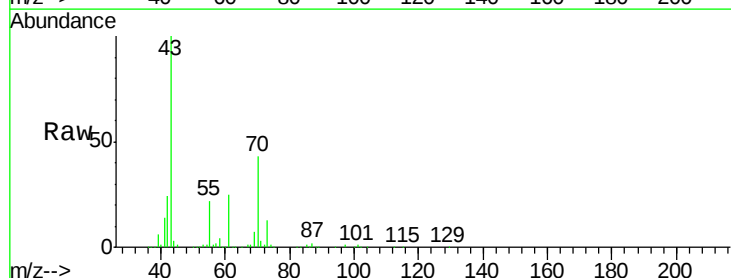
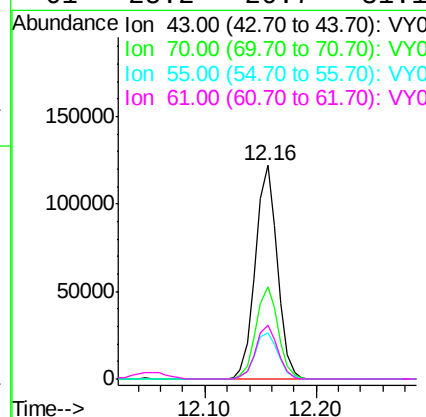
Manual Integrations
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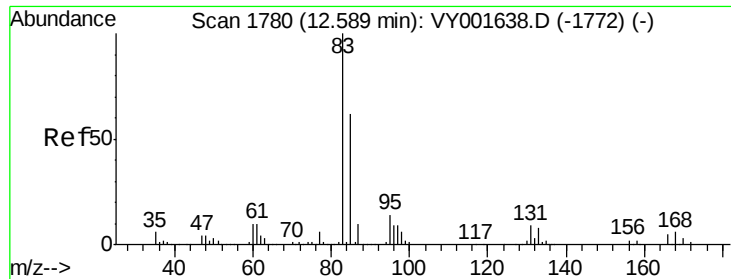
MMDadoda
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#74
N-ethyl acetate
Concen: 47.817 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.7	35.9	53.9
55	22.7	18.3	27.5
61	25.2	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.972 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

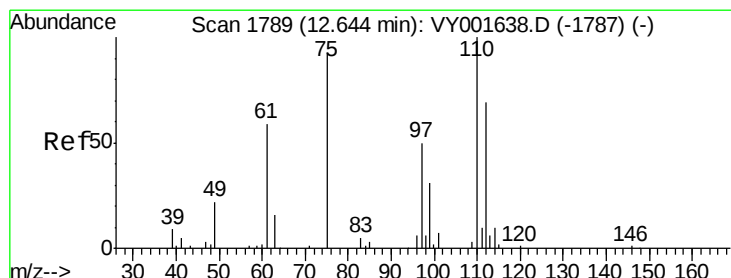
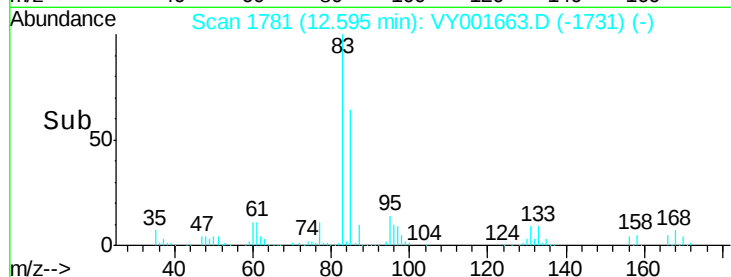
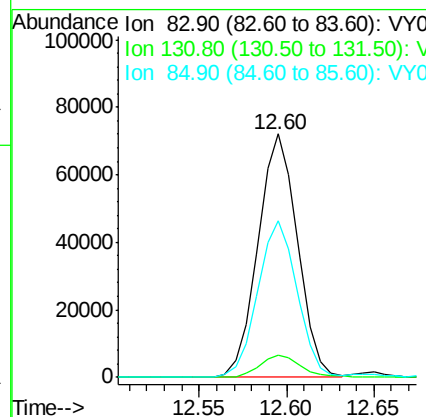
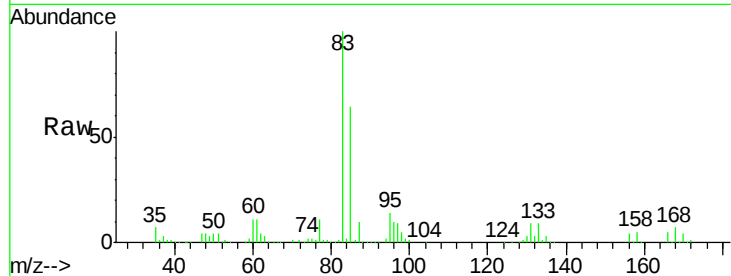
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	112885
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.7	14.1
85	64.2	31.6	94.7

Manual Integrations
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2/19/2020 1:42:49 PM



#76

1,2,3-Trichloropropane

Concen: 49.281 ug/l m

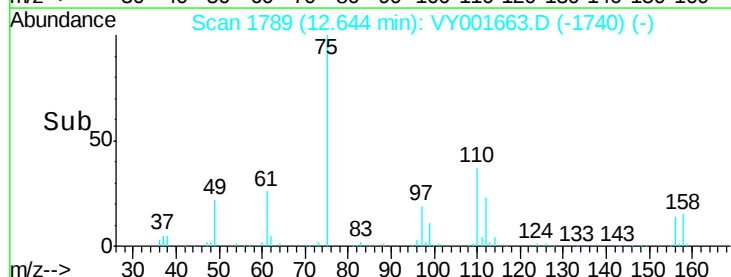
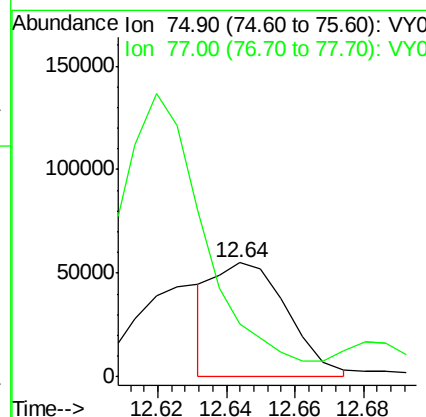
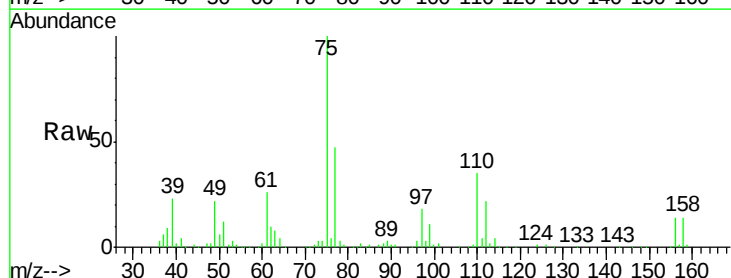
RT: 12.64 min Scan# 1789

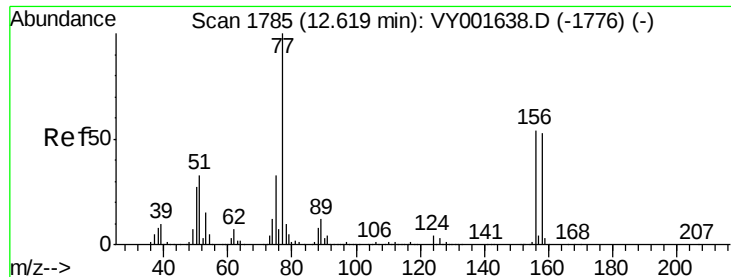
Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Tgt Ion:	75	Resp:	81781
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.758 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 114098

Ion Ratio Lower Upper

156 100

77 215.4 110.1 330.1

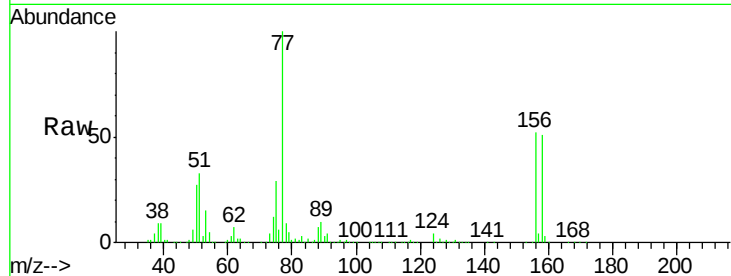
158 97.0 47.9 143.7

Manual Integrations

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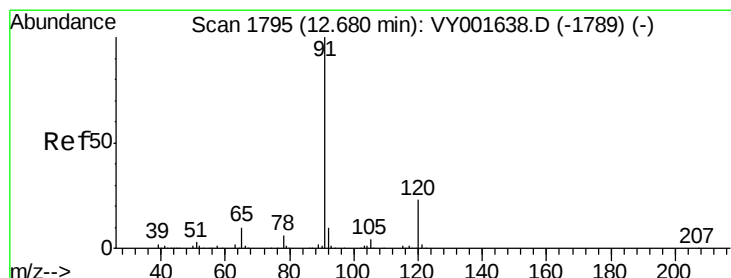
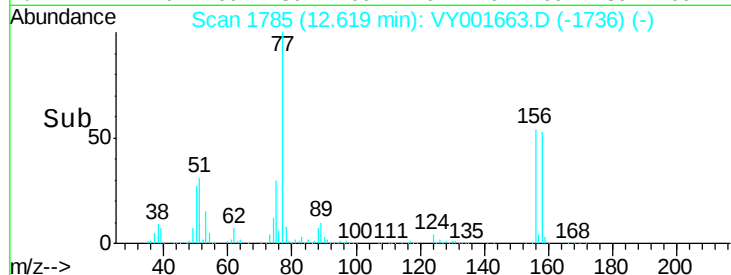
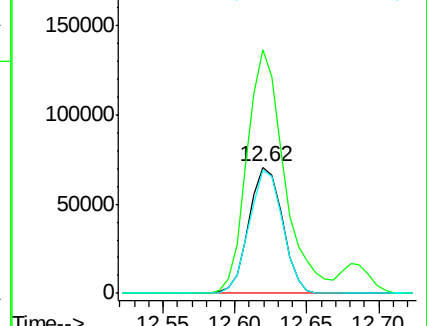
2/19/2020 1:42:49 PM



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: 49.381 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001663.D

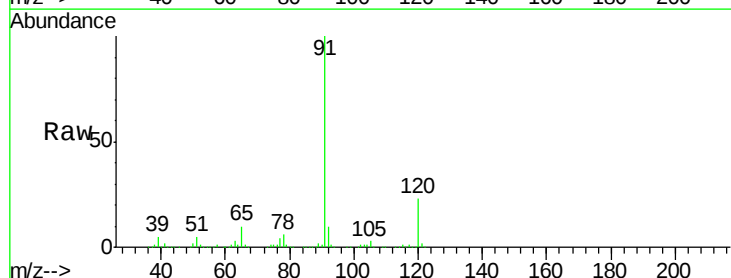
Acq: 18 Feb 2020 10:37

Tgt Ion: 91 Resp: 662805

Ion Ratio Lower Upper

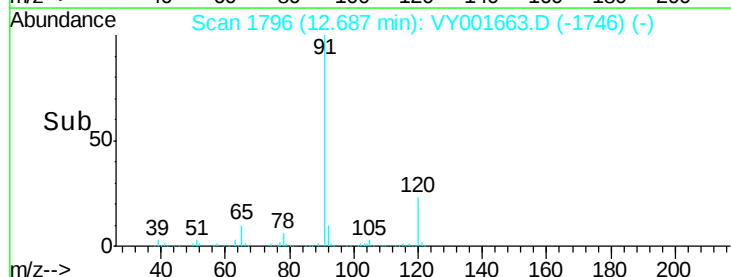
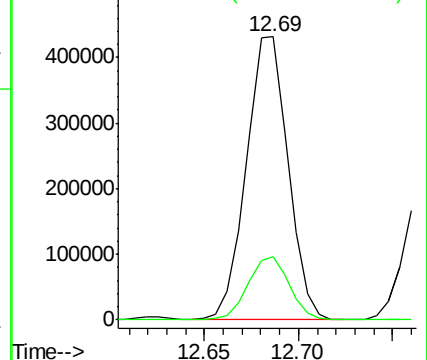
91 100

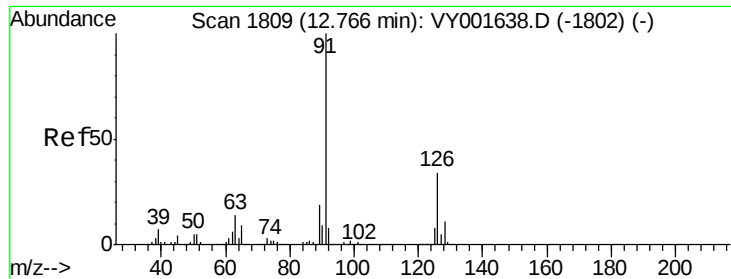
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.978 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 368711

Ion Ratio Lower Upper

91 100

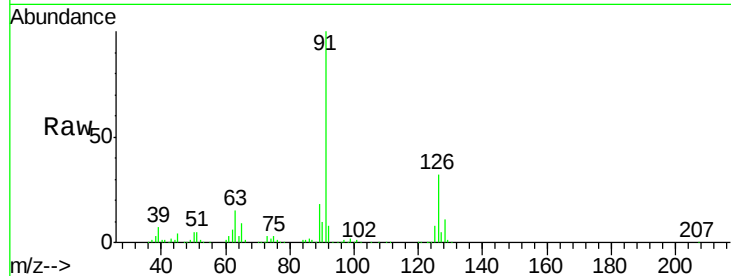
126 32.8 16.2 48.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001663.D (-1760) (-)

Ion 125.90 (125.60 to 126.60): VY001663.D (-1760) (-)

500000

400000

300000

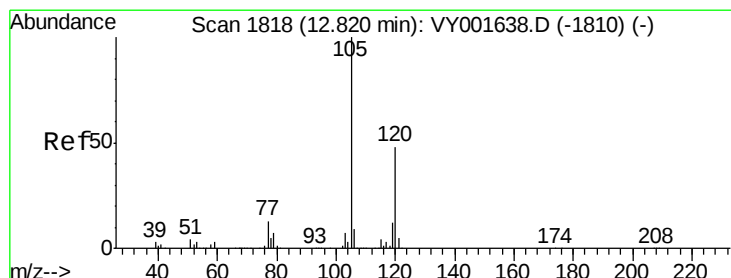
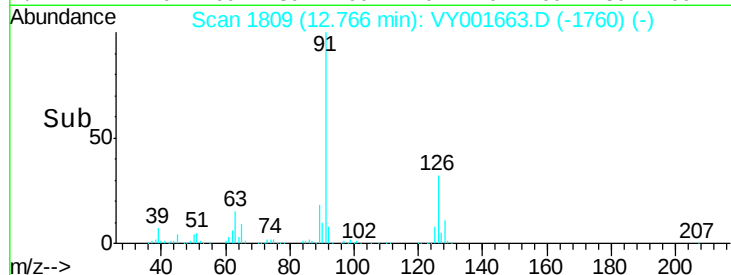
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.323 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001663.D

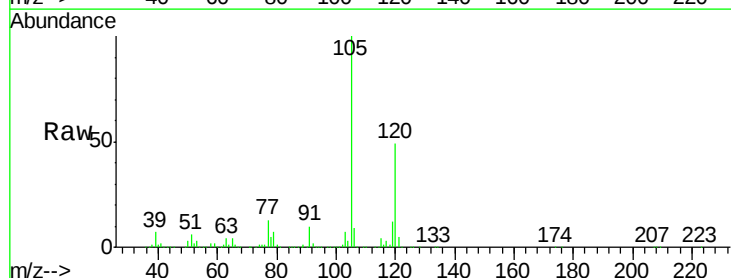
Acq: 18 Feb 2020 10:37

Tgt Ion: 105 Resp: 449966

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001663.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001663.D (-1769) (-)

300000

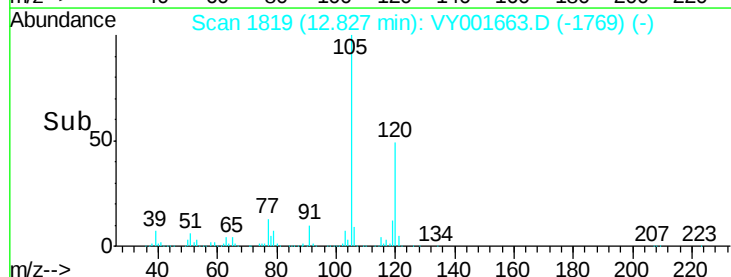
200000

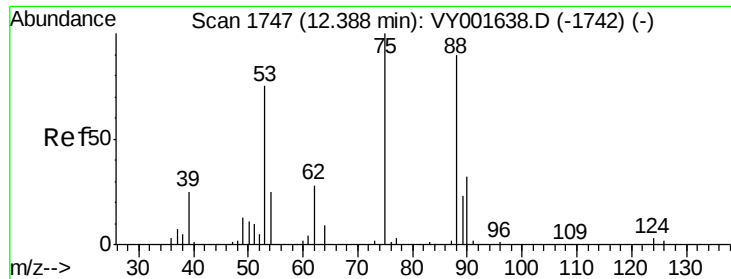
100000

0

12.75 12.80 12.85 12.90

Time-->





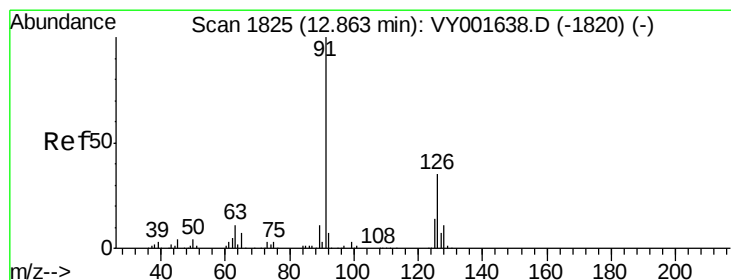
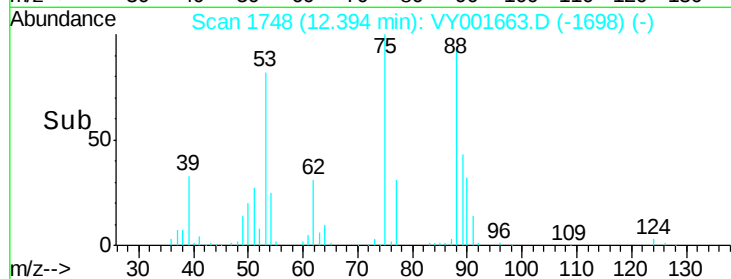
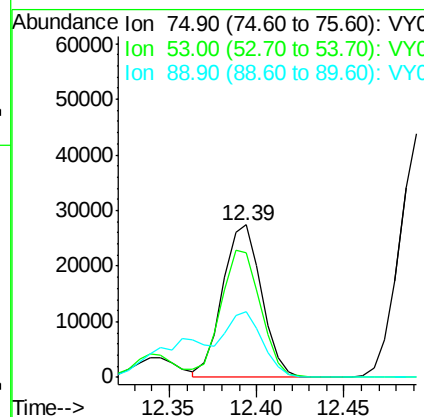
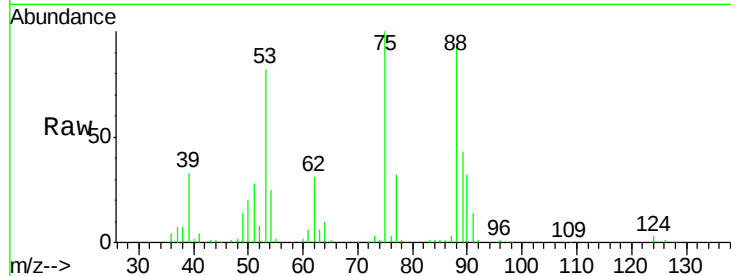
#81
trans-1,4-Dichloro-2-butene
Concen: 48.546 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	64.5	96.7
89	40.2	36.3	54.5

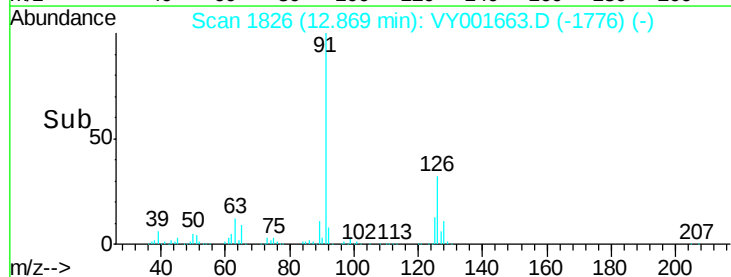
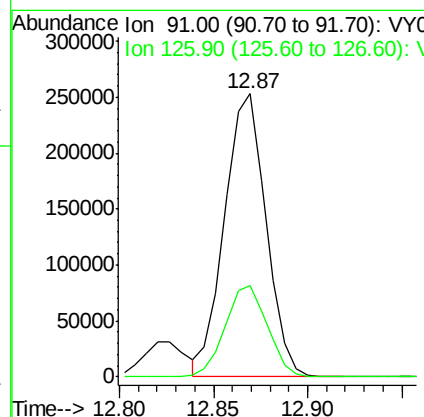
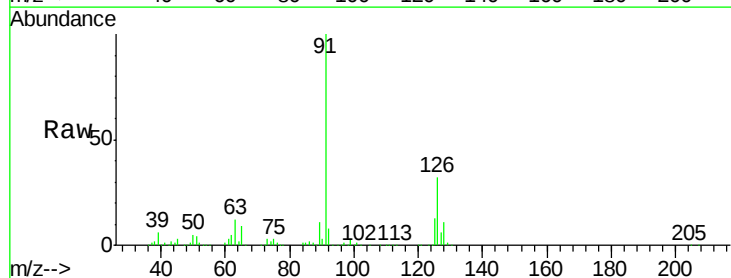
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#82
4-Chlorotoluene
Concen: 48.533 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.2	48.6





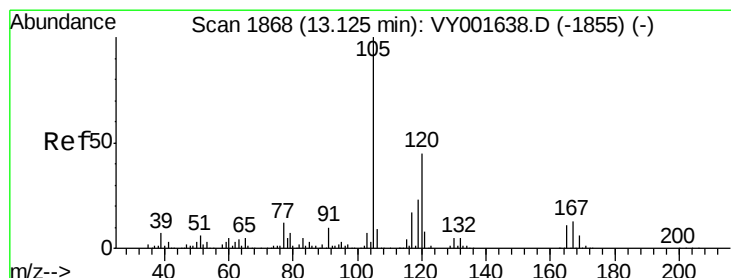
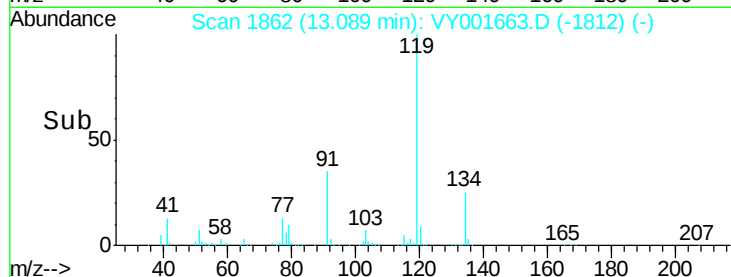
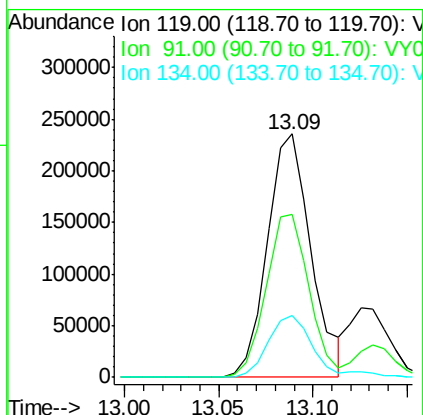
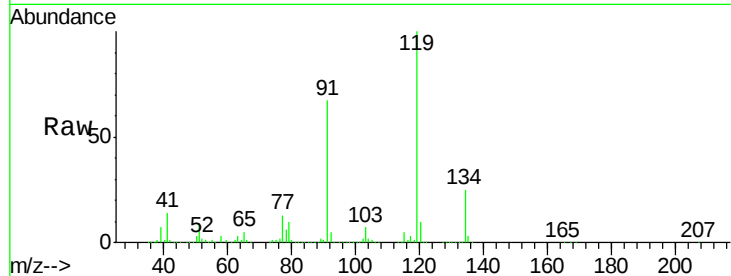
#83
tert-Butylbenzene
Concen: 49.608 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.7	33.5	100.5
134	26.8	13.3	39.8

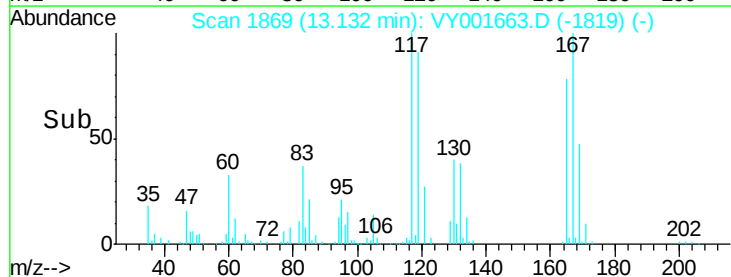
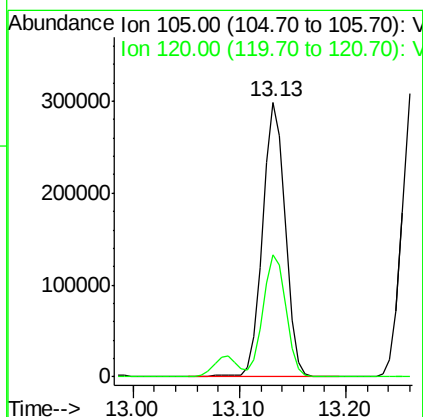
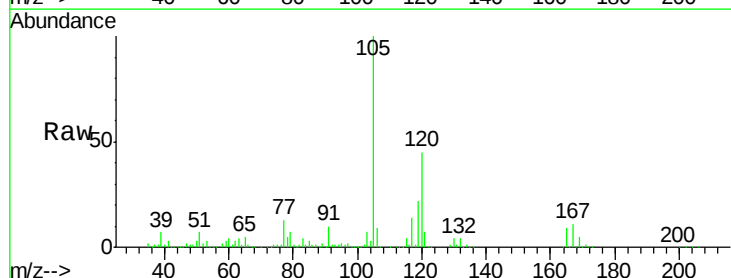
Manual Integrations
APPROVED

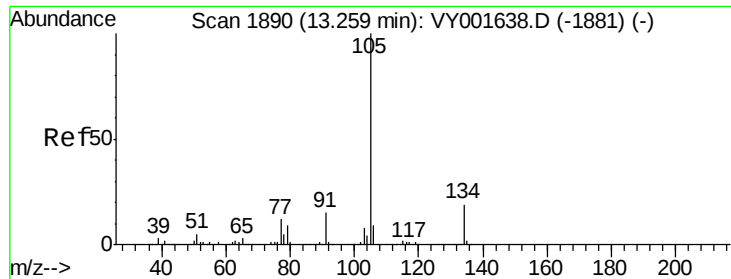
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.089 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3





#85

sec-Butylbenzene

Concen: 49.270 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 552899

Ion Ratio Lower Upper

105 100

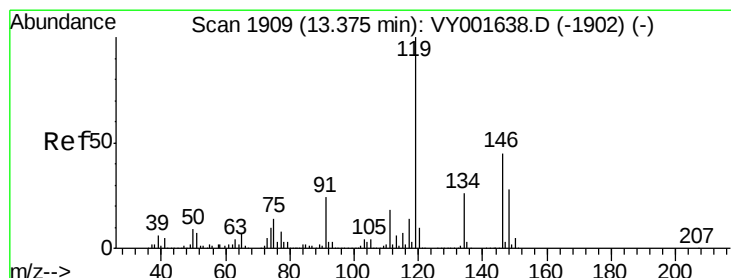
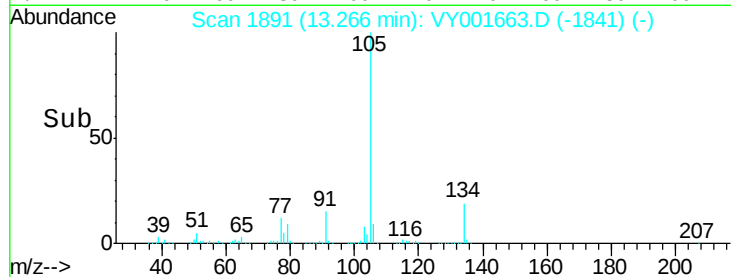
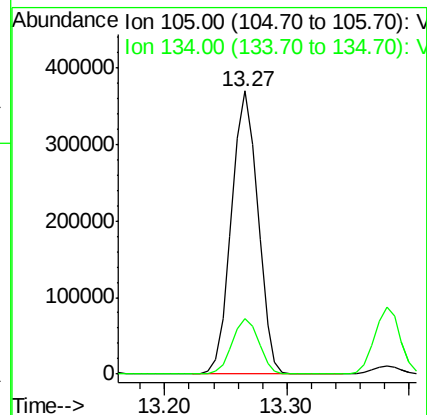
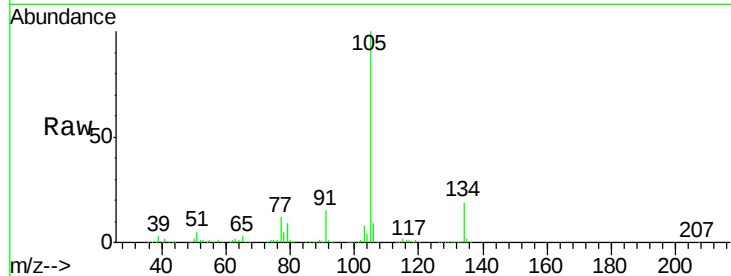
134 19.7 9.8 29.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.457 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001663.D

Acq: 18 Feb 2020 10:37

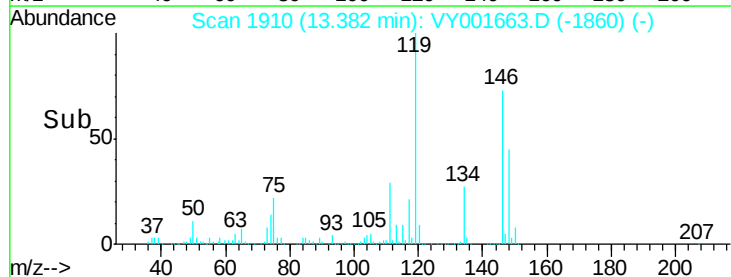
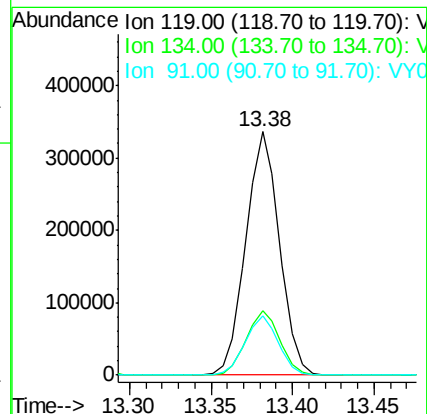
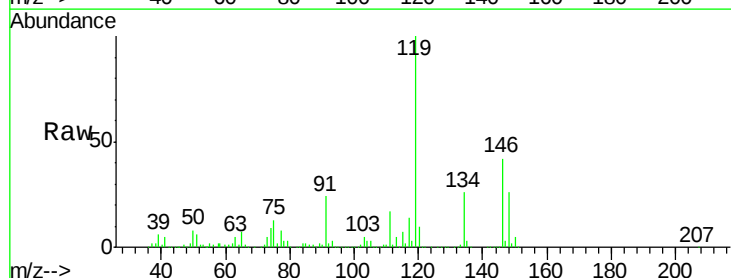
Tgt Ion:119 Resp: 482140

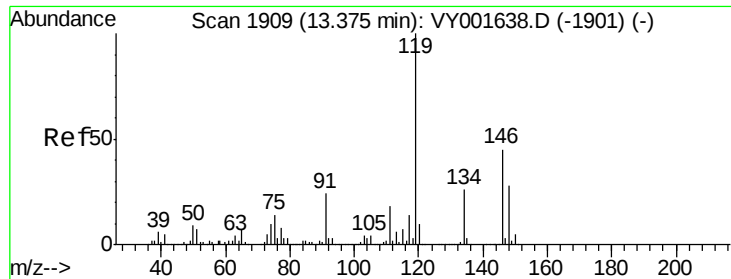
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.7 12.2 36.6





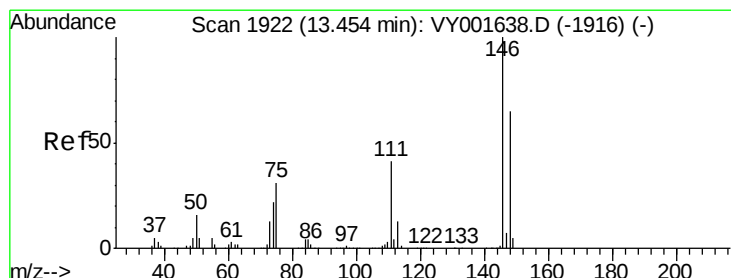
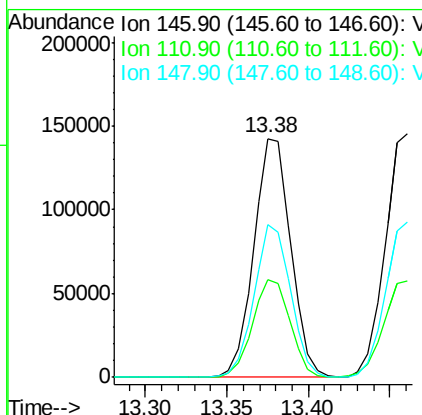
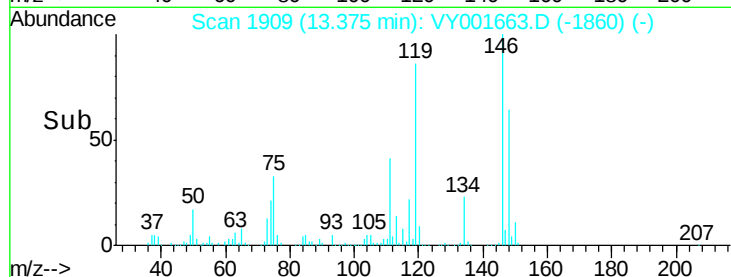
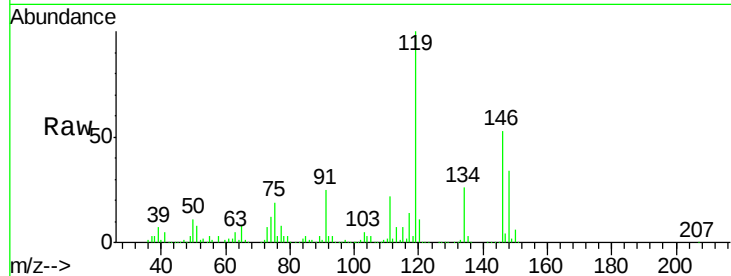
#87
 1,3-Dichlorobenzene
 Concen: 48.374 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.4	21.4	64.3	
148	63.3	31.6	94.7	

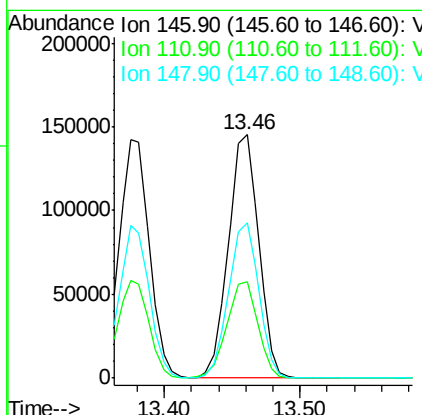
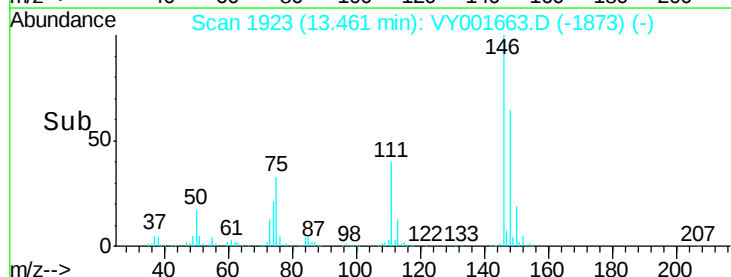
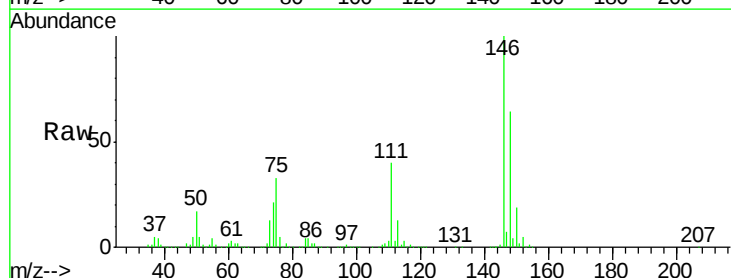
Manual Integrations
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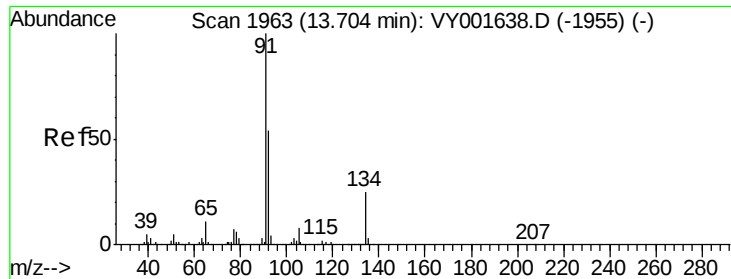
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 2/19/2020 1:42:49 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.160 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.5	20.4	61.3	
148	63.6	31.6	94.7	





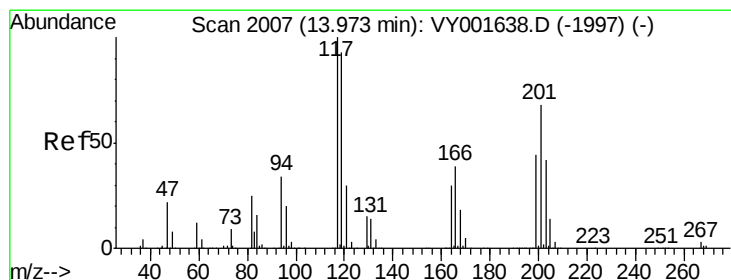
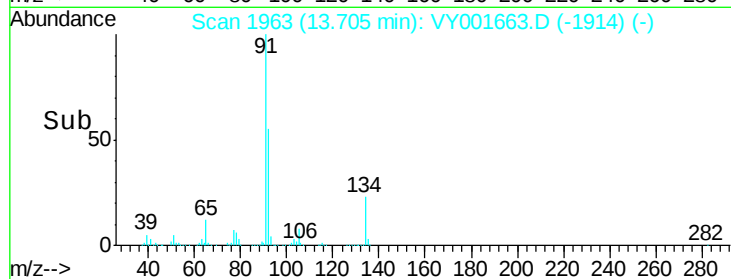
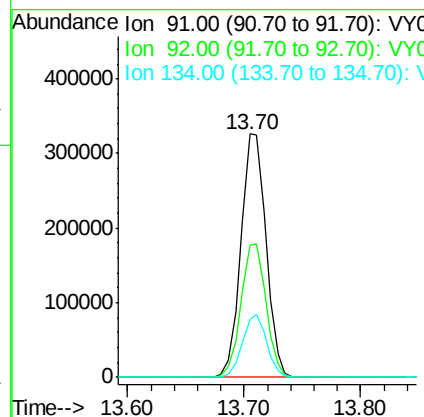
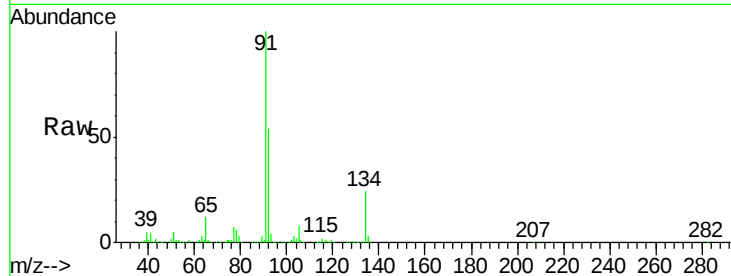
#89
n-Butylbenzene
Concen: 49.305 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.4
134	24.9	12.4	37.4

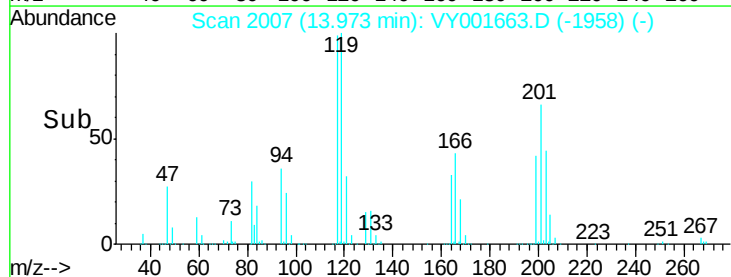
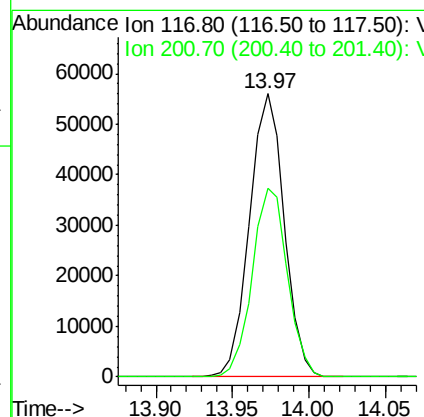
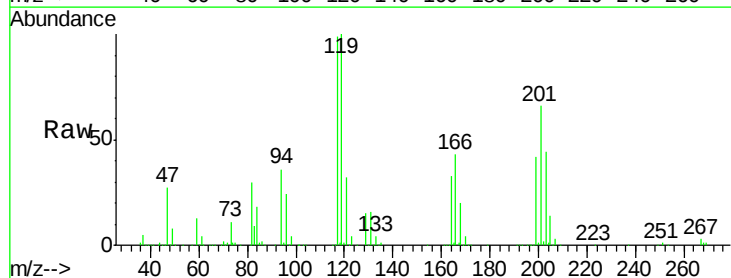
Manual Integrations
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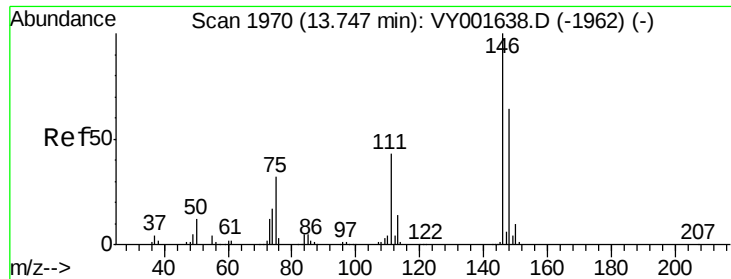
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#90
Hexachloroethane
Concen: 48.080 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.9	32.5	97.4





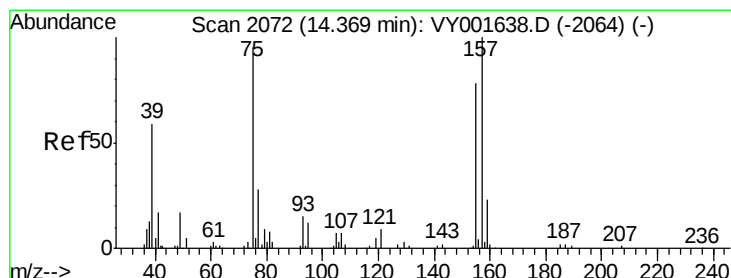
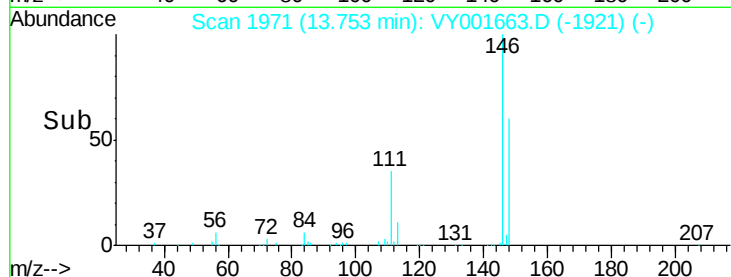
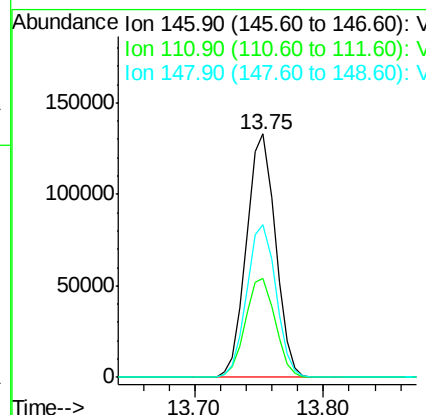
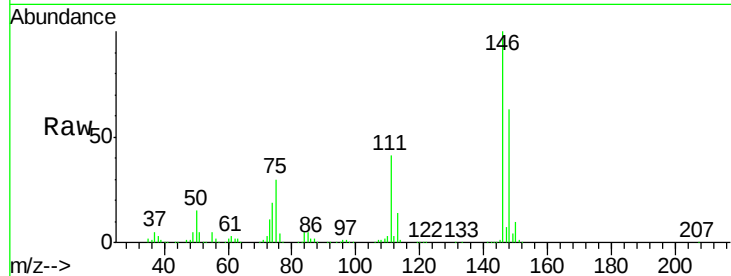
#91
 1,2-Dichlorobenzene
 Concen: 48.311 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.7
148	63.2	31.5	94.5

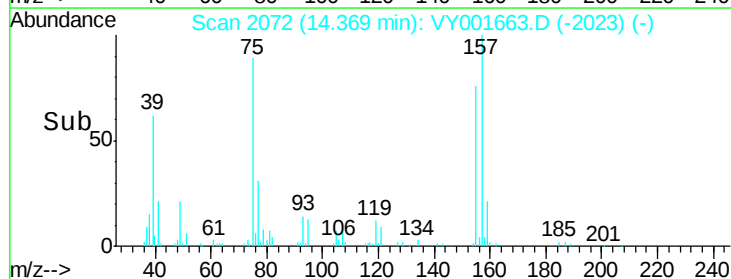
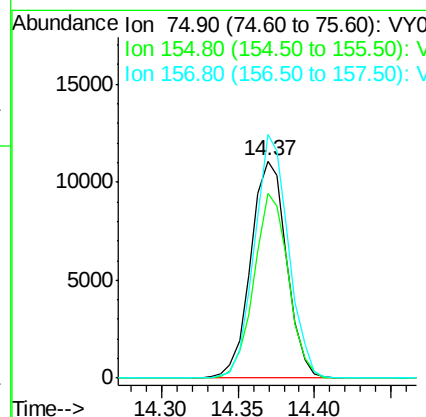
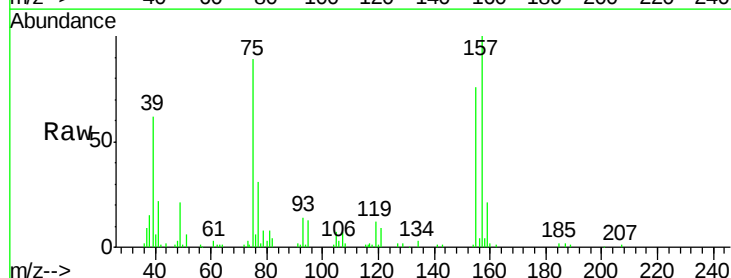
Manual Integrations
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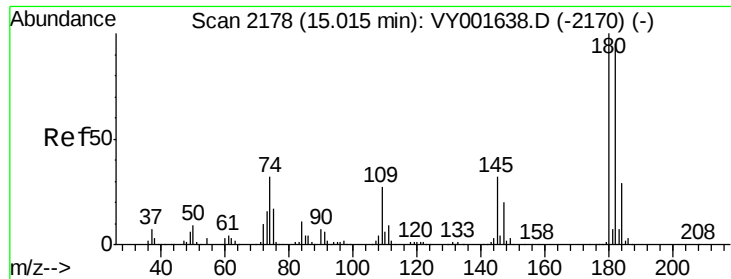
MMDadoda
 2/19/2020 1:42:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.496 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	40.8	122.4
157	106.3	52.1	156.4





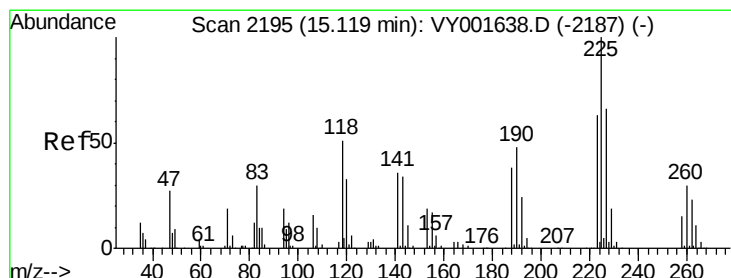
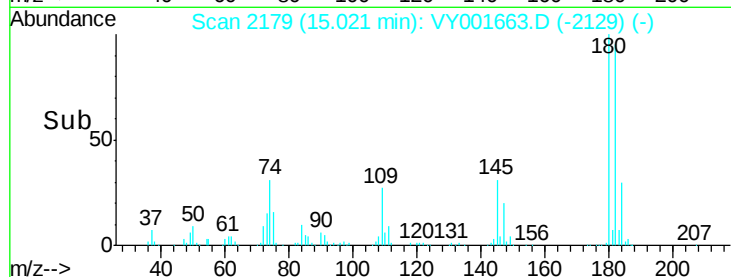
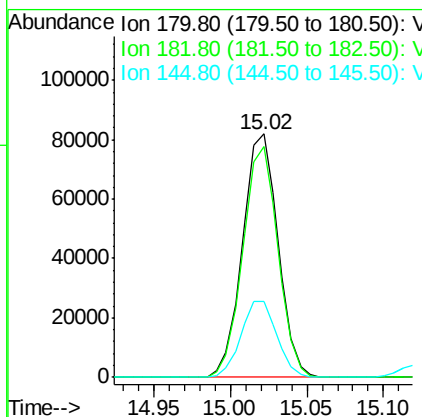
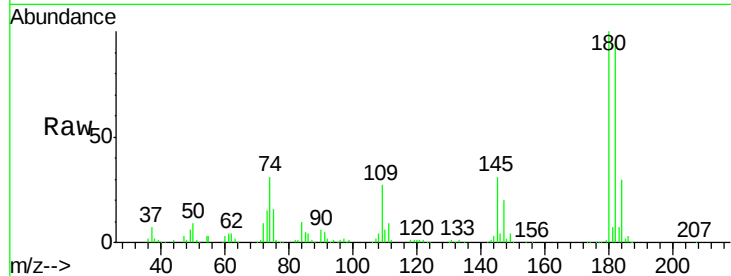
#93
 1,2,4-Trichlorobenzene
 Concen: 46.708 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132351		
182	93.7	46.8	140.3	
145	31.6	16.2	48.5	

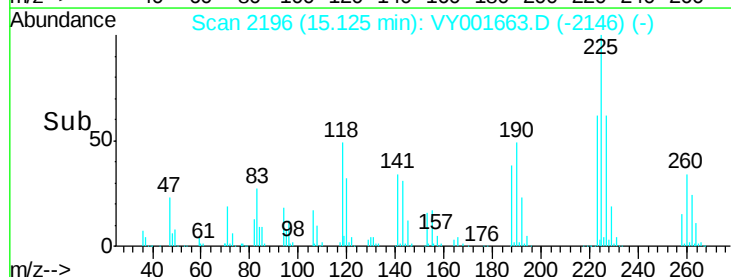
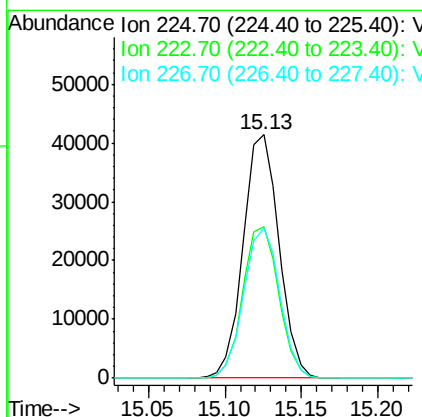
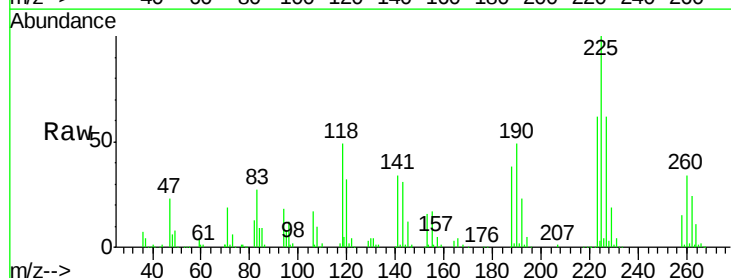
Manual Integrations
 APPROVED

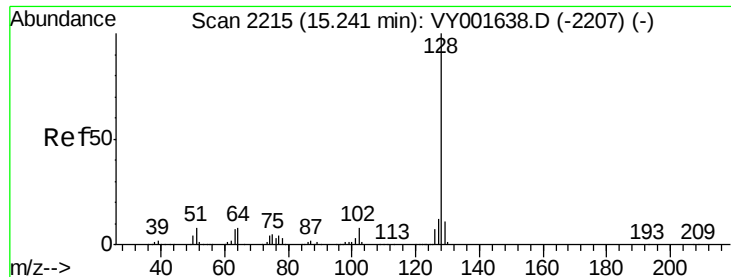
MMDadoda
 2/19/2020 1:42:49 PM



#94
 Hexachlorobutadiene
 Concen: 47.878 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001663.D
 Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67470		
223	62.6	31.4	94.0	
227	62.2	31.6	94.8	





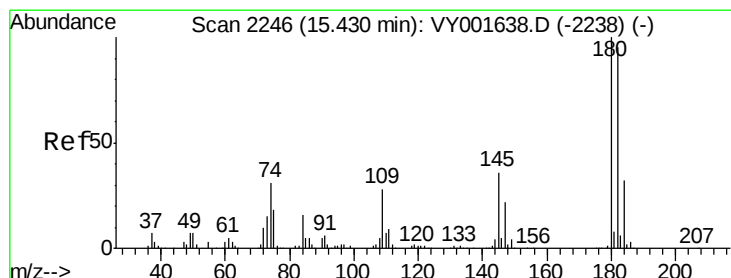
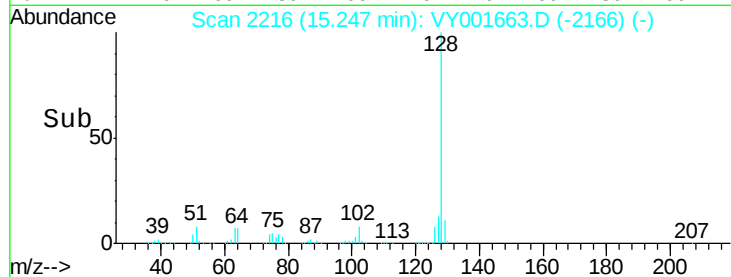
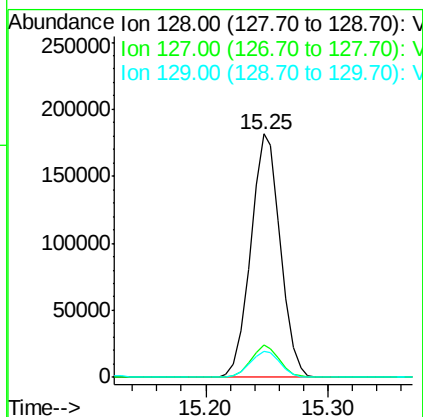
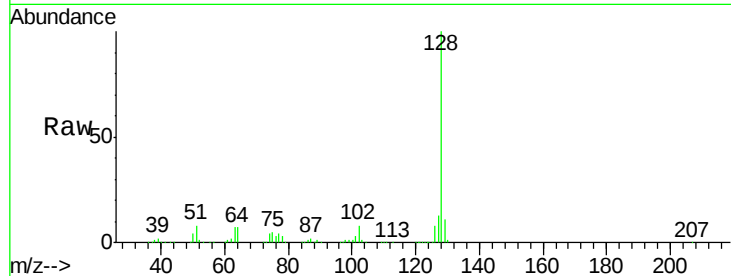
#95
Naphthalene
Concen: 46.554 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	304161		
127	12.8	9.9	14.9	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:42:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.623 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.01 min
Lab File: VY001663.D
Acq: 18 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	116226		
182	95.1	47.2	141.6	
145	33.8	17.3	52.0	

