

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061520\
 Data File : VY002899.D
 Acq On : 15 Jun 2020 16:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/16/2020 3:22:44 PM

Quant Time: Jun 16 02:32:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	270936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	393436	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	368635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	204493	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	113826	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.73	113	116822	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.18	98	450327	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.48	95	161699	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	84976	45.582	ug/l	97
3) Chloromethane	2.12	50	98470	47.753	ug/l	100
4) Vinyl Chloride	2.26	62	108458	49.762	ug/l	99
5) Bromomethane	2.65	94	77236	47.288	ug/l	96
6) Chloroethane	2.80	64	67476	47.757	ug/l	93
7) Trichlorofluoromethane	3.13	101	191945	49.725	ug/l	100
8) Diethyl Ether	3.54	74	71425	47.387	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	115157	50.245	ug/l	97
10) Methyl Iodide	4.10	142	161712	50.425	ug/l	99
11) Tert butyl alcohol	4.97	59	61784	244.054	ug/l	100
12) 1,1-Dichloroethene	3.88	96	112322	48.732	ug/l	98
13) Acrolein	3.74	56	53539	194.205	ug/l	98
14) Allyl chloride	4.49	41	165240	49.986	ug/l	99
15) Acrylonitrile	5.18	53	178834	262.998	ug/l	100
16) Acetone	3.96	43	155184	281.321	ug/l	98
17) Carbon Disulfide	4.20	76	303815	43.620	ug/l	98
18) Methyl Acetate	4.49	43	74530	53.921	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	335619	52.745	ug/l	98
20) Methylene Chloride	4.72	84	133795	49.632	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	125189	48.297	ug/l	97
22) Diisopropyl ether	6.13	45	348214	50.690	ug/l	94
23) Vinyl Acetate	6.07	43	1189845	262.344	ug/l	99
24) 1,1-Dichloroethane	6.03	63	205197	51.063	ug/l	99
25) 2-Butanone	7.00	43	225304	262.154	ug/l	98
26) 2,2-Dichloropropane	6.99	77	195591	50.750	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	146944	50.640	ug/l	98
28) Bromochloromethane	7.34	49	79626	48.268	ug/l	99
29) Tetrahydrofuran	7.36	42	142852	255.536	ug/l	98
30) Chloroform	7.52	83	223376	52.384	ug/l	98
31) Cyclohexane	7.79	56	179571	45.007	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	204265	51.405	ug/l	99
36) 1,1-Dichloropropene	7.92	75	165106	49.818	ug/l	99
37) Ethyl Acetate	7.08	43	96612	53.579	ug/l	99
38) Carbon Tetrachloride	7.91	117	193632	52.592	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	212787	48.710	ug/l	99
40) Benzene	8.17	78	502277	51.290	ug/l	98
41) Methacrylonitrile	7.33	41	48569m	50.138	ug/l	
42) 1,2-Dichloroethane	8.24	62	144734	52.737	ug/l	100
43) Isopropyl Acetate	8.28	43	181094	52.997	ug/l	99
44) Trichloroethene	8.94	130	156350	50.545	ug/l	98
45) 1,2-Dichloropropane	9.22	63	120931	51.495	ug/l	100
46) Dibromomethane	9.31	93	72511	51.990	ug/l	98
47) Bromodichloromethane	9.50	83	177500	53.985	ug/l	99
48) Methyl methacrylate	9.30	41	83027	53.824	ug/l	99
49) 1,4-Dioxane	9.31	88	21493	1003.637	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	494142	273.096	ug/l	100
52) Toluene	10.25	92	329978	51.509	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	194256	54.091	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	215097	52.858	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	113881	53.334	ug/l	95
56) Ethyl methacrylate	10.51	69	155552	54.390	ug/l	98
57) 1,3-Dichloropropane	10.79	76	187469	53.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	366280	262.106	ug/l	99
59) 2-Hexanone	10.83	43	353127	275.060	ug/l	99
60) Dibromochloromethane	10.99	129	146984	54.296	ug/l	99
61) 1,2-Dibromoethane	11.09	107	111859	53.107	ug/l	100
64) Tetrachloroethene	10.72	164	163595	48.829	ug/l	98
65) Chlorobenzene	11.52	112	379123	52.034	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	147295	53.677	ug/l	100
67) Ethyl Benzene	11.59	91	653720	51.754	ug/l	99
68) m/p-Xylenes	11.70	106	511135	104.369	ug/l	99
69) o-Xylene	12.03	106	244084	52.794	ug/l	100
70) Styrene	12.05	104	426099	53.165	ug/l	100
71) Bromoform	12.21	173	101435	55.243	ug/l #	99
73) Isopropylbenzene	12.33	105	665739	50.801	ug/l	99
74) N-amyl acetate	12.14	43	174684	51.951	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	125283	54.487	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	97990m	53.180	ug/l	
77) Bromobenzene	12.61	156	172649	50.596	ug/l	99
78) n-propylbenzene	12.67	91	770517	50.901	ug/l	100
79) 2-Chlorotoluene	12.75	91	428475	50.460	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	562327	51.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	51931	53.097	ug/l	97
82) 4-Chlorotoluene	12.86	91	452801	50.896	ug/l	99
83) tert-Butylbenzene	13.08	119	505125	51.753	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	566301	51.472	ug/l	100
85) sec-Butylbenzene	13.25	105	684820	51.315	ug/l	100
86) p-Isopropyltoluene	13.37	119	650108	52.353	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	330383	51.115	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	330956	51.186	ug/l	99
89) n-Butylbenzene	13.70	91	577638	51.236	ug/l	99
90) Hexachloroethane	13.96	117	121412	52.226	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	305332	52.088	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24170	54.638	ug/l	97

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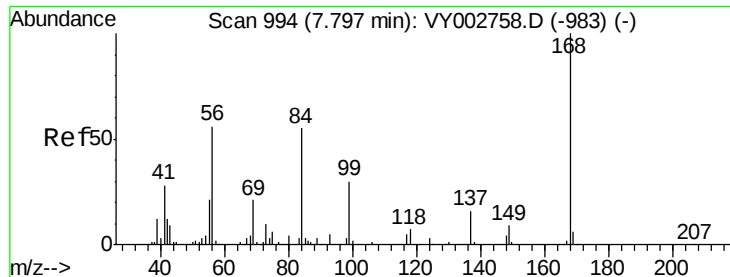
Manual Integrations
APPROVED

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6/16/2020 3:22:44 PM

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Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	229986	52.053	ug/l	99
94) Hexachlorobutadiene	15.11	225	130916	52.241	ug/l	100
95) Naphthalene	15.23	128	470362	53.095	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	206086	52.233	ug/l	100

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



#1

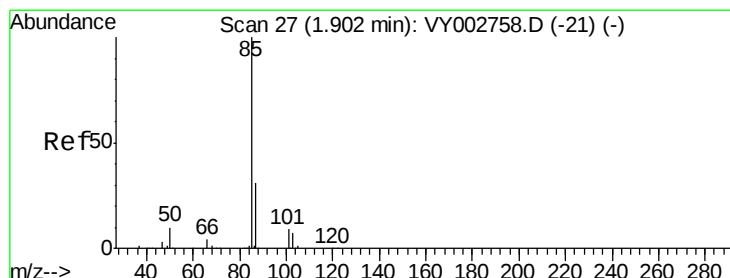
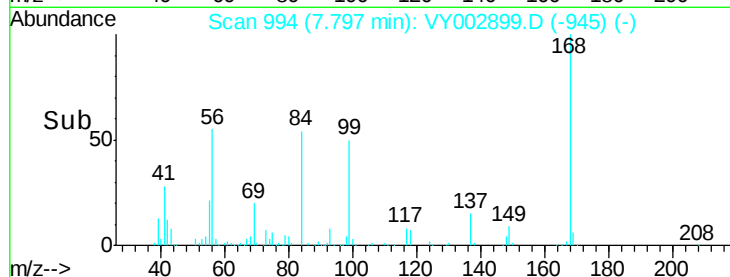
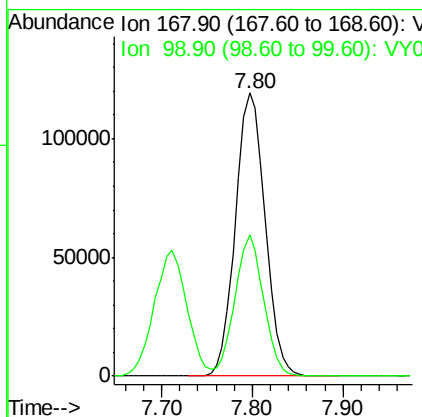
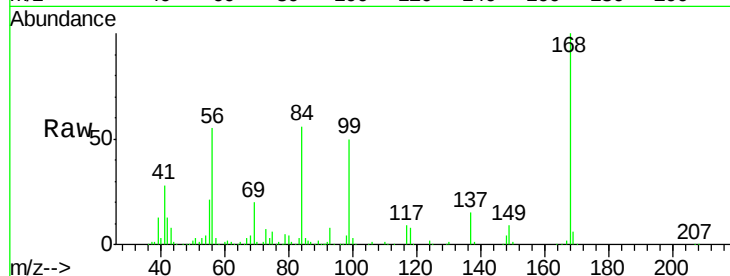
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.8	39.0	58.4

Manual Integrations
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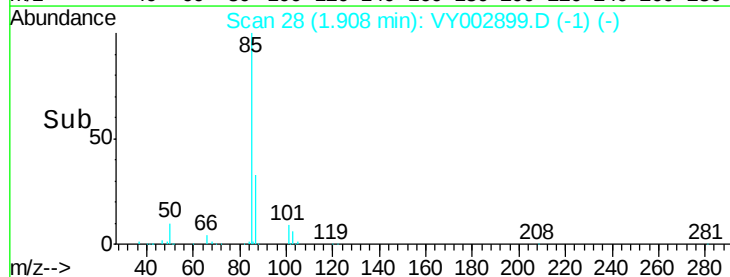
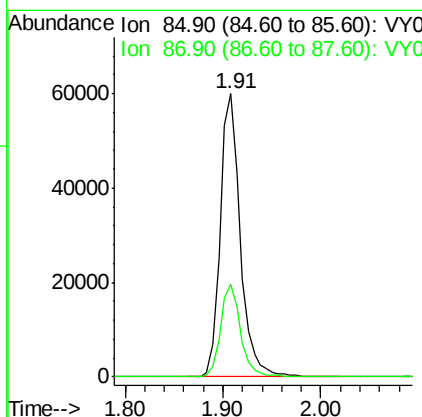
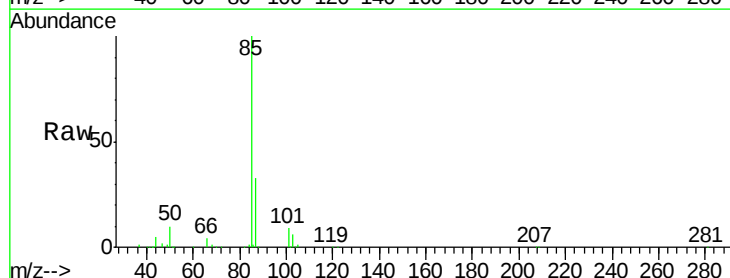
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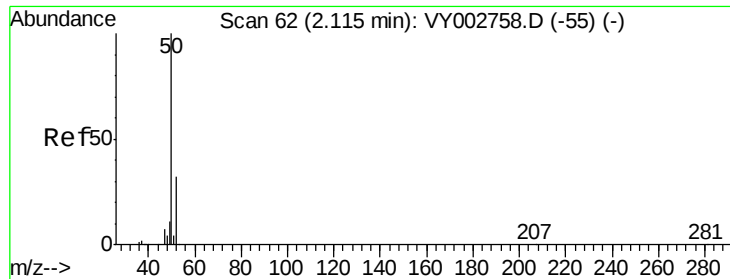


#2

Dichlorodifluoromethane
 Concen: 45.582 ug/l
 RT: 1.91 min Scan# 28
 Delta R.T. 0.01 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.5	46.5





#3

Chloromethane

Concen: 47.753 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 98470

Ion Ratio Lower Upper

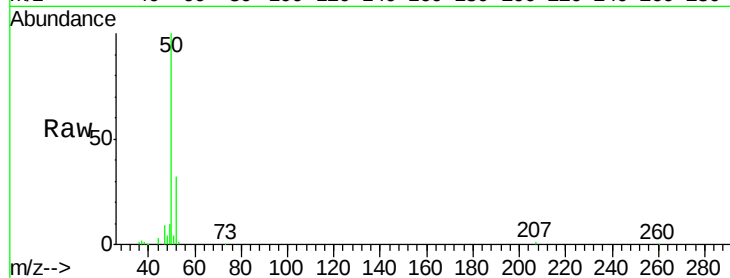
50 100

52 32.4 25.8 38.6

Manual Integrations
APPROVED

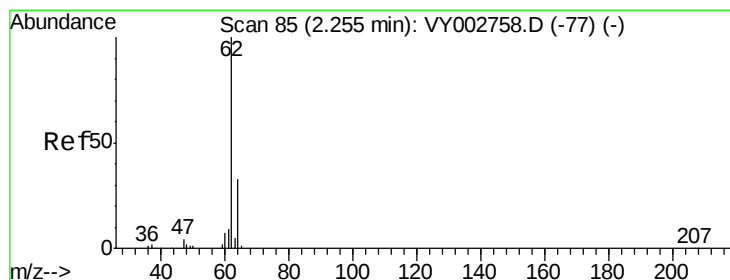
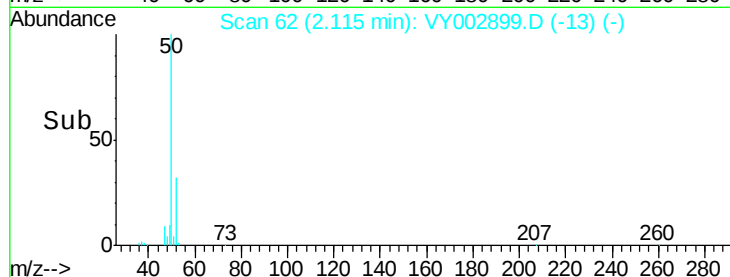
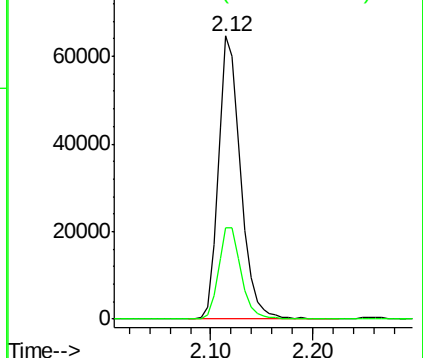
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 49.762 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.00 min

Lab File: VY002899.D

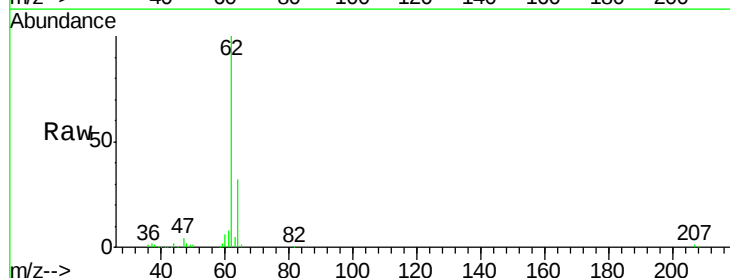
Acq: 15 Jun 2020 16:31

Tgt Ion: 62 Resp: 108458

Ion Ratio Lower Upper

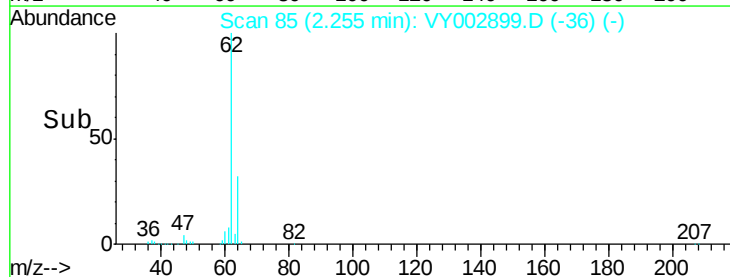
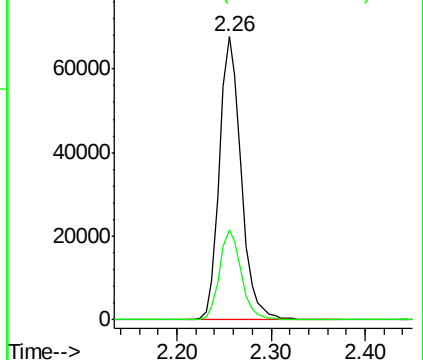
62 100

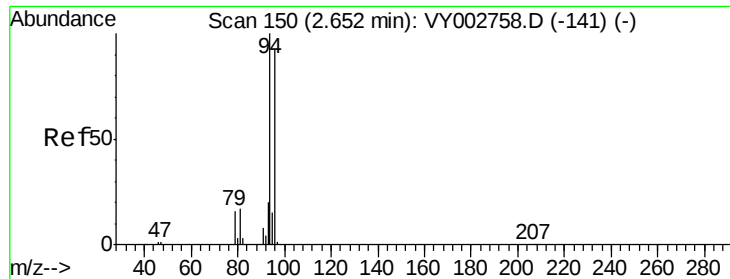
64 31.9 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 47.288 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 77236

Ion Ratio Lower Upper

94 100

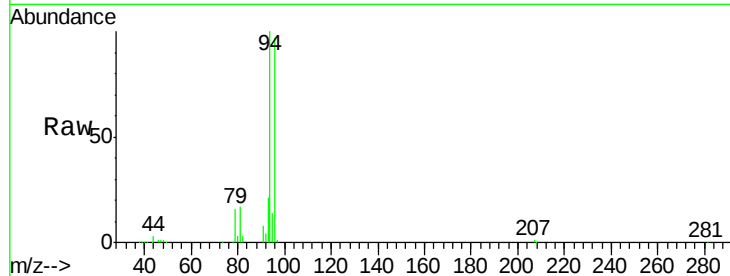
96 96.4 73.7 110.5

Manual Integrations

APPROVED

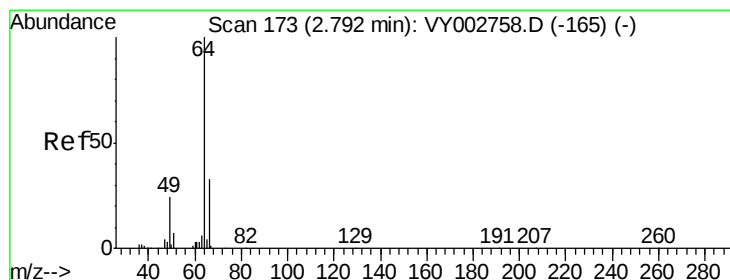
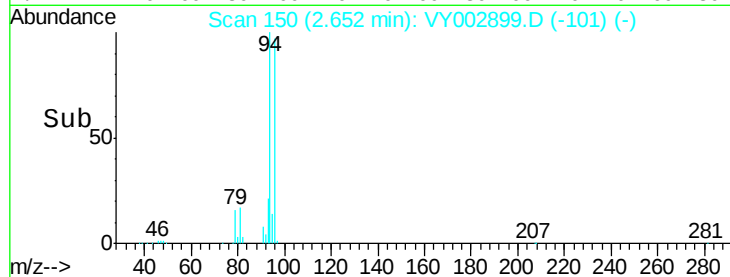
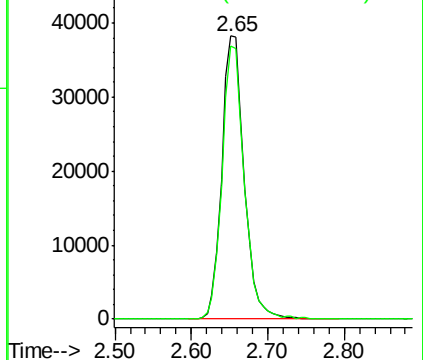
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 47.757 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002899.D

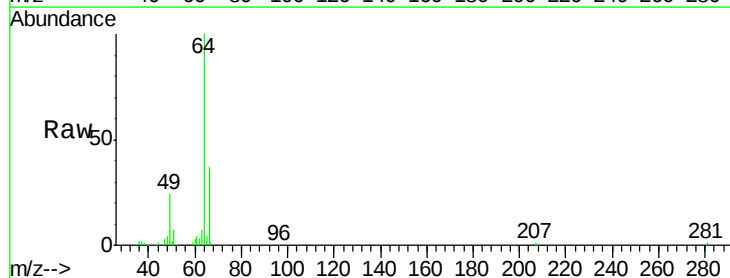
Acq: 15 Jun 2020 16:31

Tgt Ion: 64 Resp: 67476

Ion Ratio Lower Upper

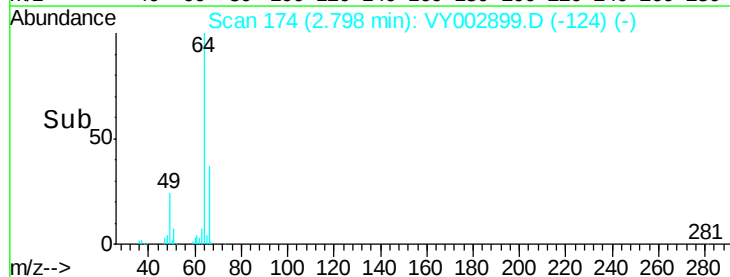
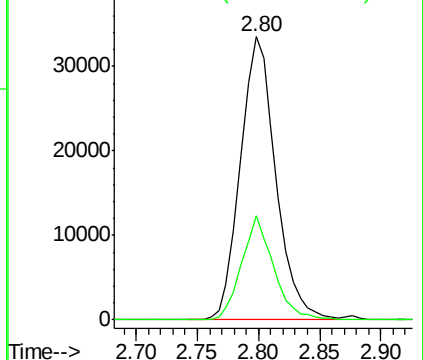
64 100

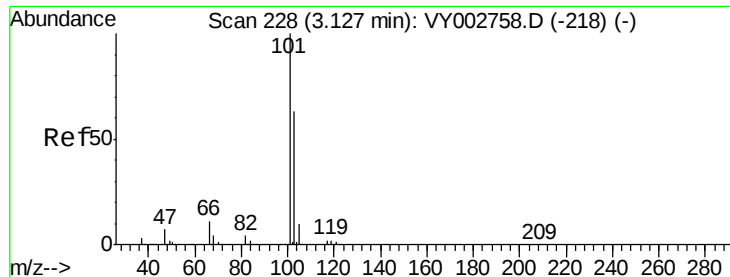
66 36.7 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

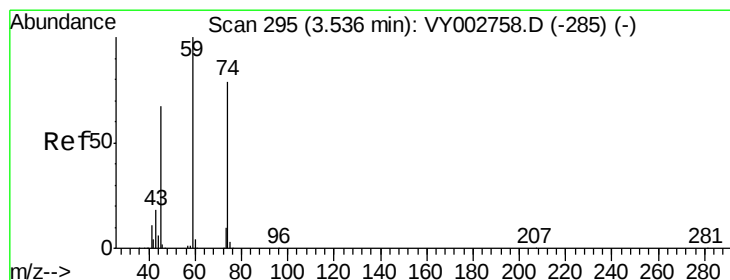
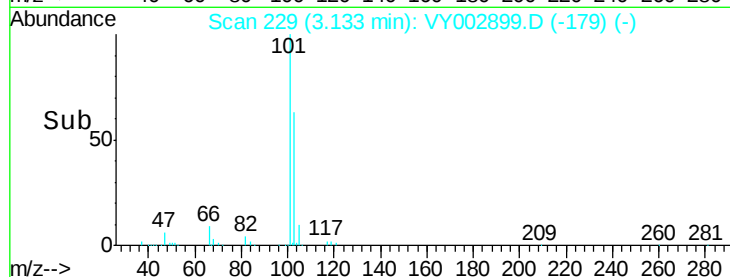
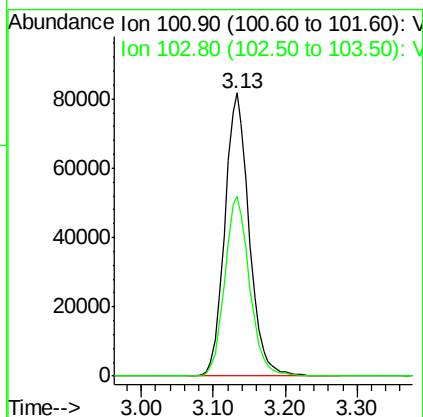
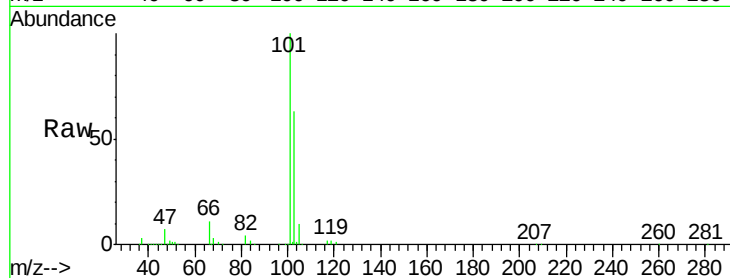
Trichlorofluoromethane
Concen: 49.725 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	191945		
103	63.4	50.6	76.0	

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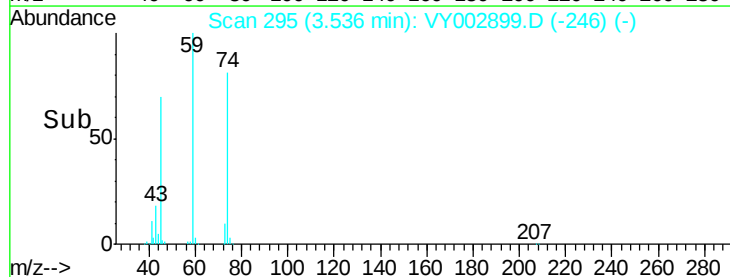
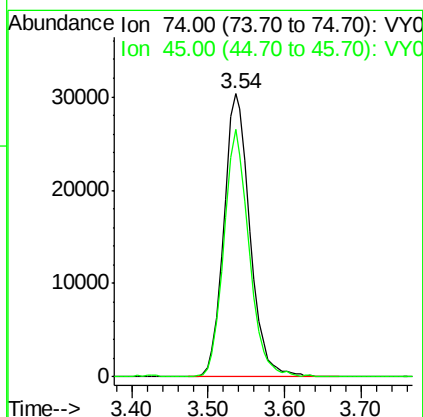
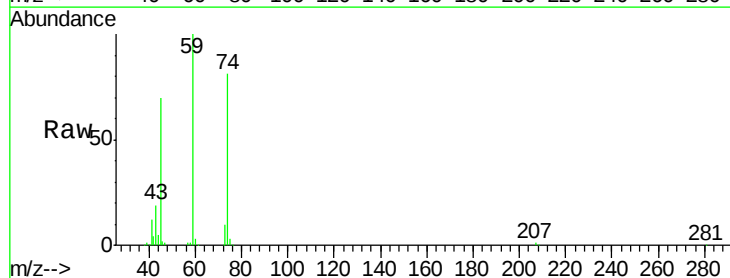
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6/16/2020 3:22:44 PM

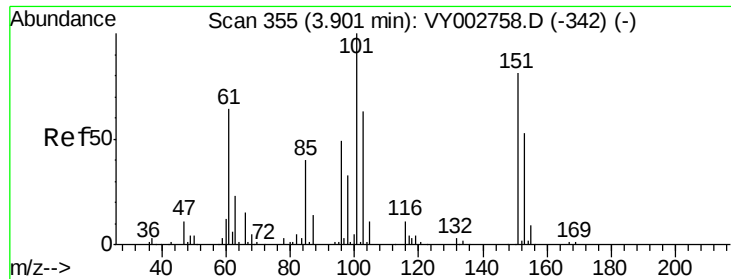


#8

Diethyl Ether
Concen: 47.387 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	71425		
45	84.9	44.0	131.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.245 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

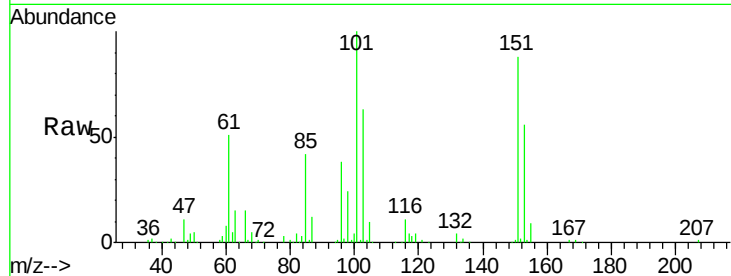
ClientSampleId :

VSTDCCC050EC

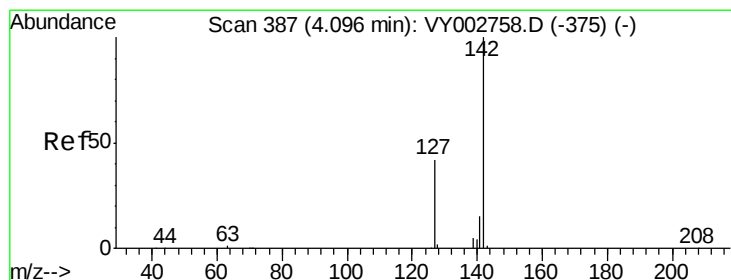
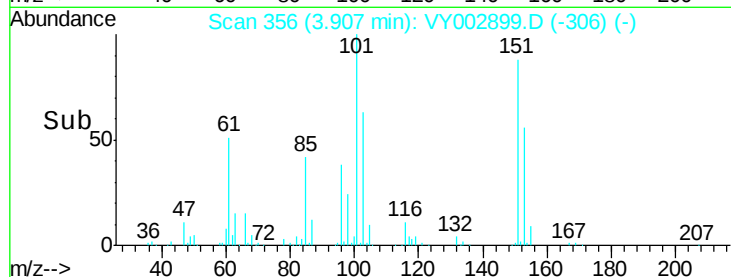
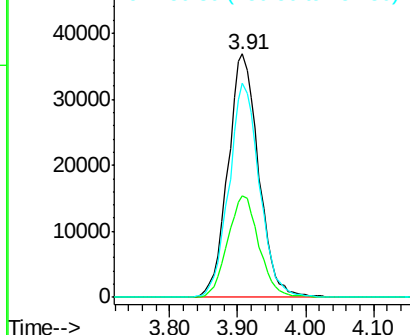
Tot Ion	Ratio	Resp	Lower	Upper
101	100	115157		
85	42.5	32.7	49.1	
151	87.8	68.0	102.0	

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.425 ug/l

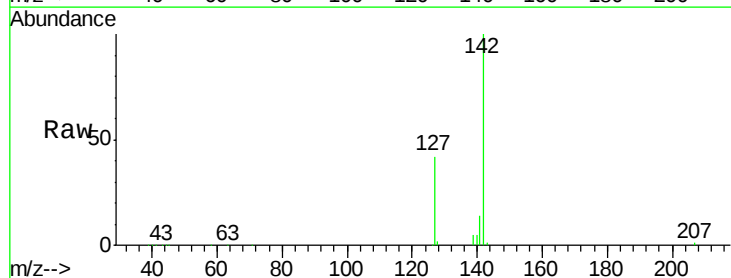
RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

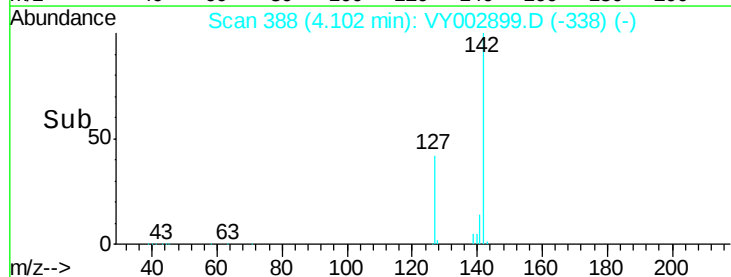
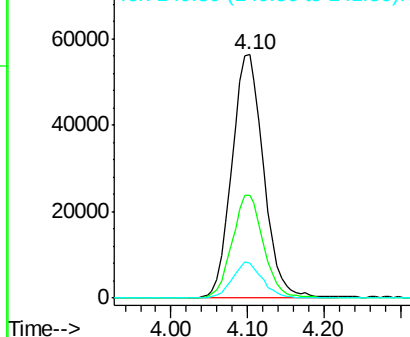
Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	161712		
127	41.8	33.3	49.9	
141	14.0	11.5	17.3	



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

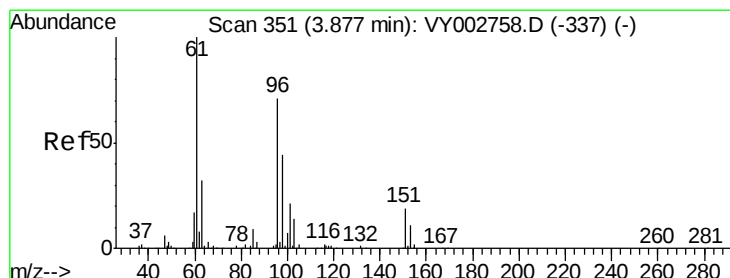
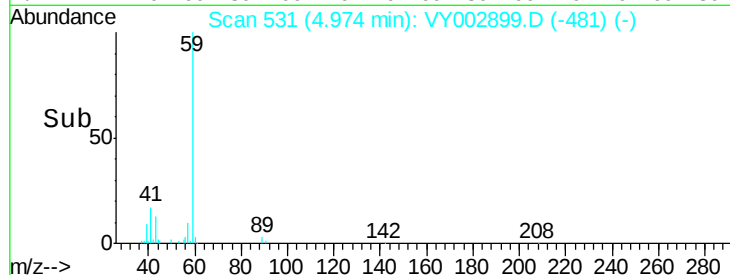
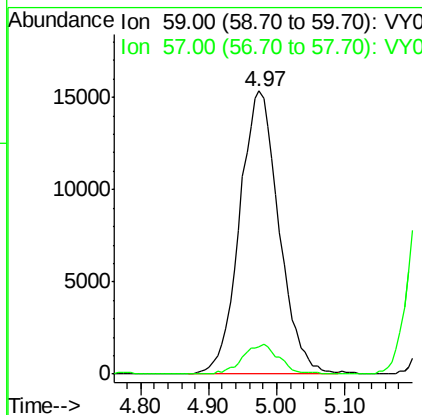
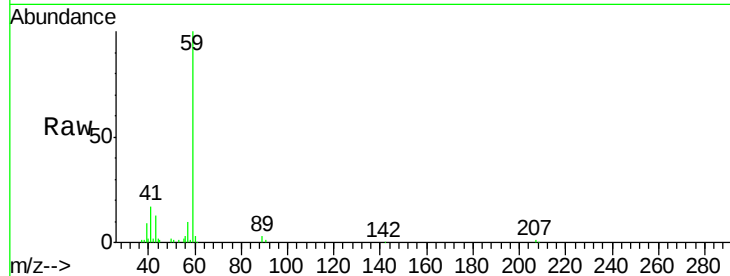
Tert butyl alcohol
 Concen: 244.054 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	61784
Ion Ratio	100	Lower	Upper
59	100		
57	9.8	7.7	11.5

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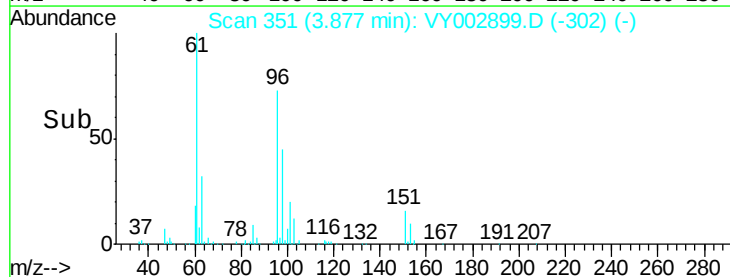
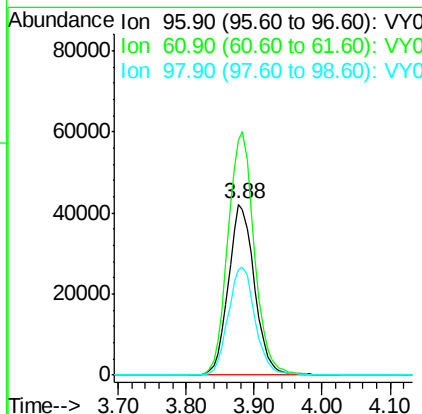
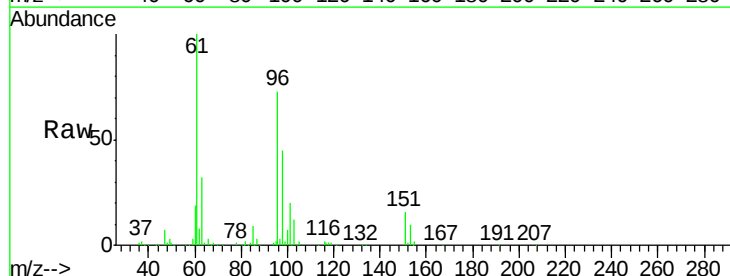
MMDadoda
 6/16/2020 3:22:44 PM

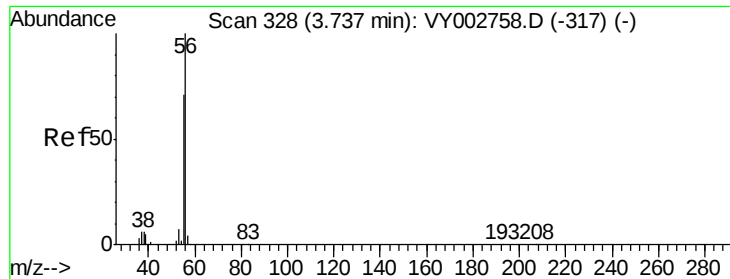


#12

1,1-Dichloroethene
 Concen: 48.732 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion	96	Resp	112322
Ion Ratio	100	Lower	Upper
96	100		
61	137.1	112.6	168.8
98	61.3	50.0	75.0





#13

Acrolein

Concen: 194.205 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Tot Ion: 56 Resp: 53539

Ion Ratio Lower Upper

56 100

55 68.7 56.0 84.0

Instrument :

MSVOA_Y

ClientSampleId :

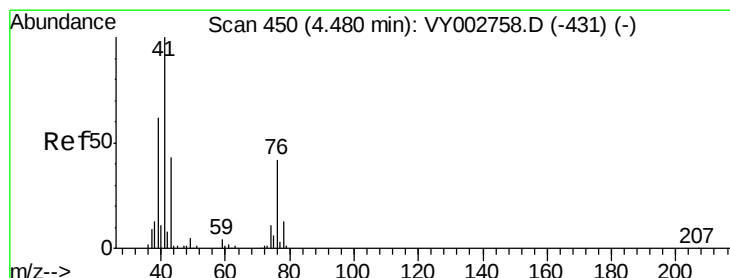
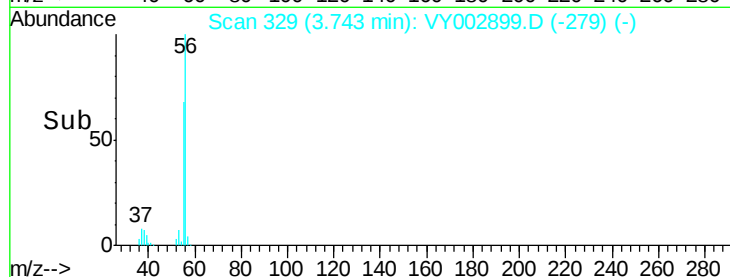
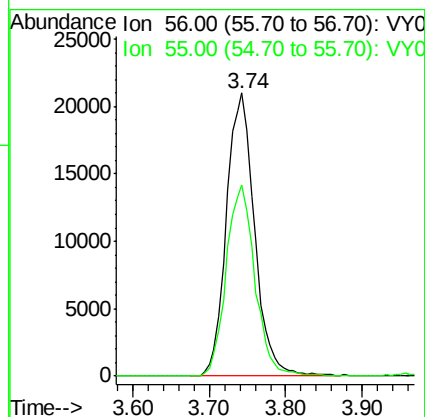
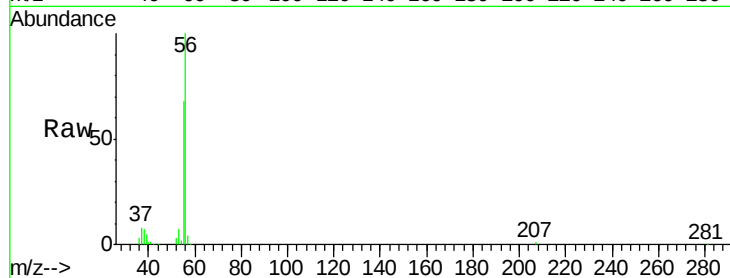
VSTDCCC050EC

Manual Integrations

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#14

Allyl chloride

Concen: 49.986 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

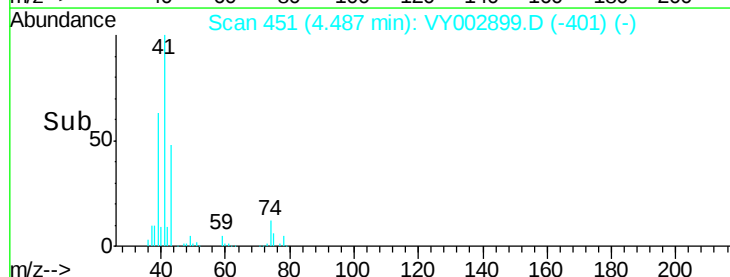
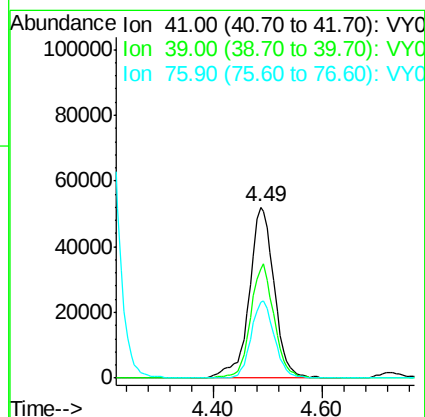
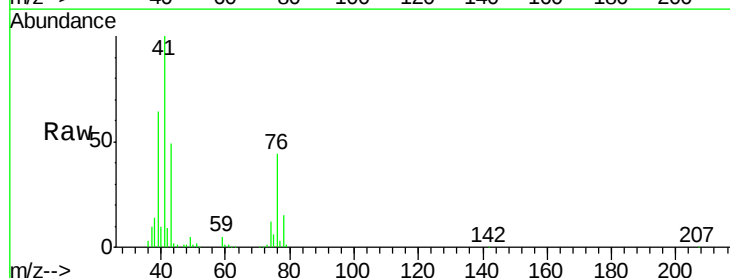
Tgt Ion: 41 Resp: 165240

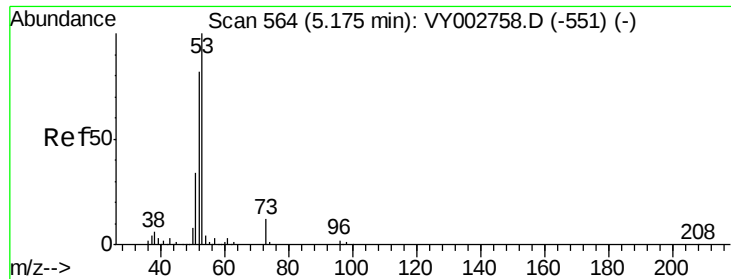
Ion Ratio Lower Upper

41 100

39 62.7 49.9 74.9

76 42.1 33.2 49.8





#15

Acrylonitrile

Concen: 262.998 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

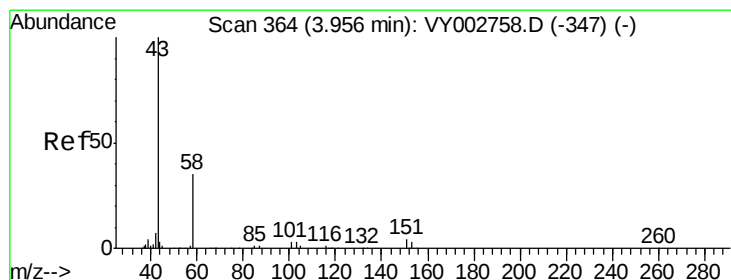
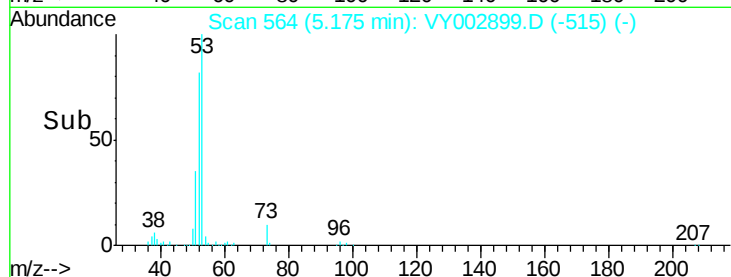
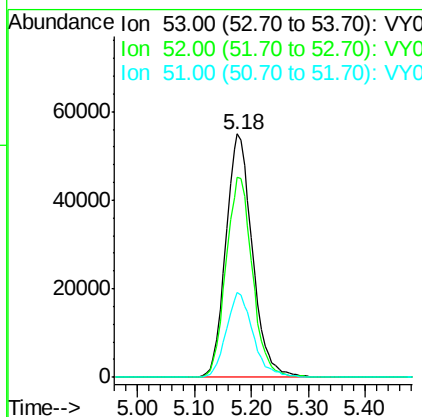
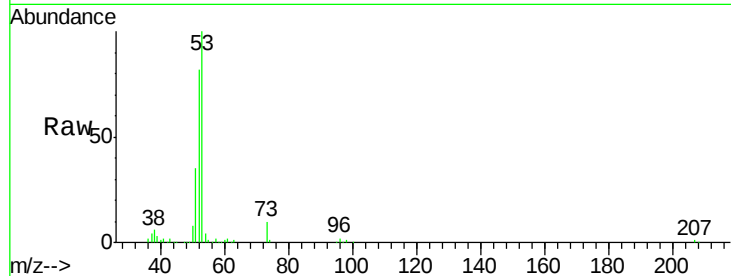
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	178834
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.3	97.9
51	35.3	28.0	42.0

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#16

Acetone

Concen: 281.321 ug/l

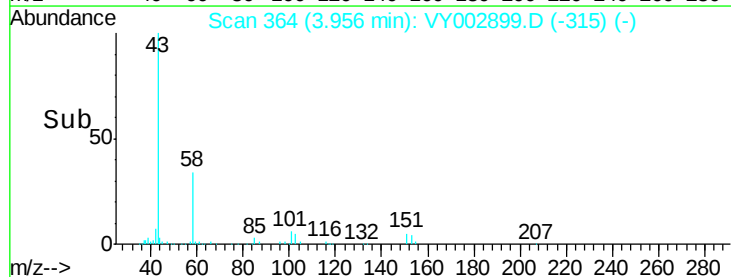
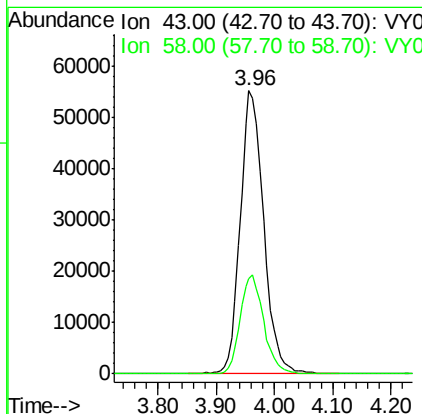
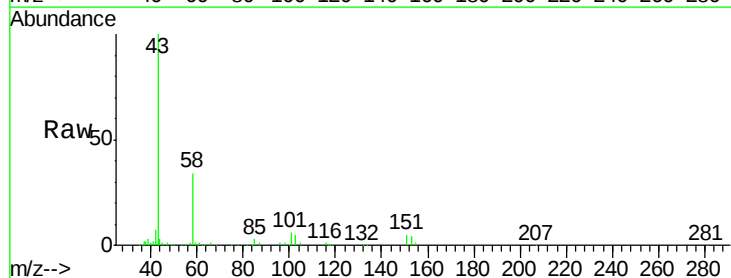
RT: 3.96 min Scan# 364

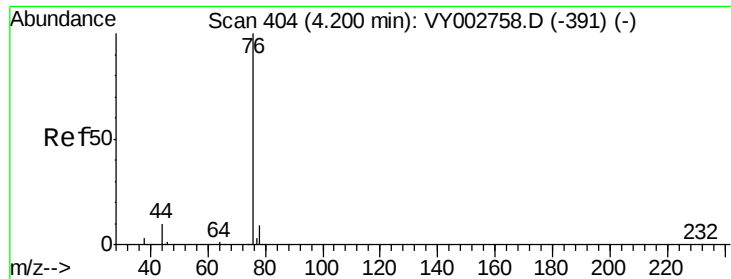
Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Tgt Ion:	43	Resp:	155184
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.7	41.5





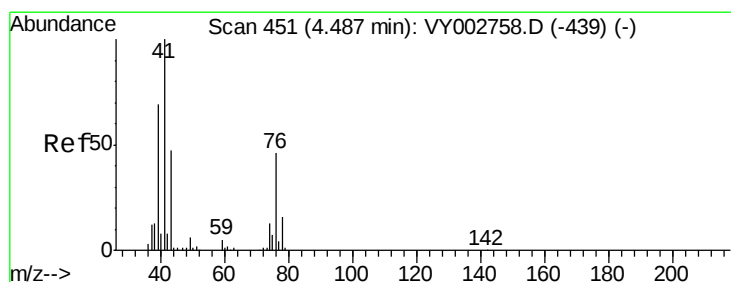
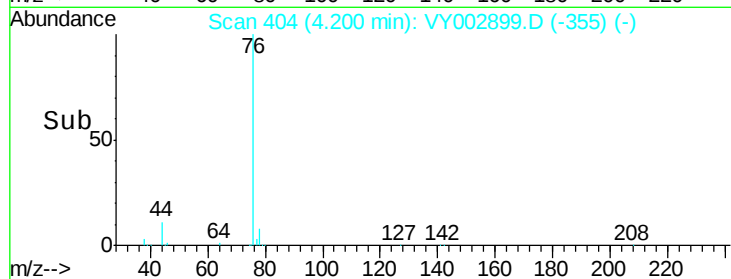
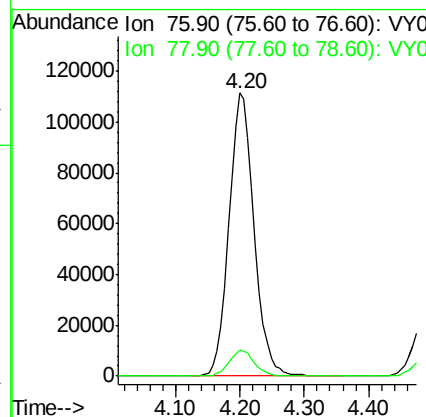
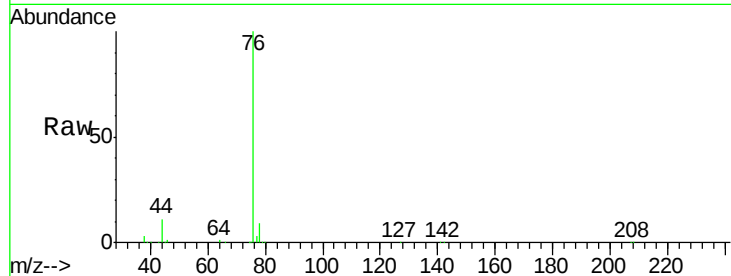
#17
Carbon Disulfide
Concen: 43.620 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

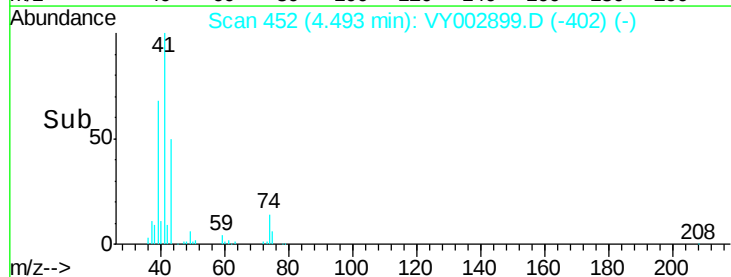
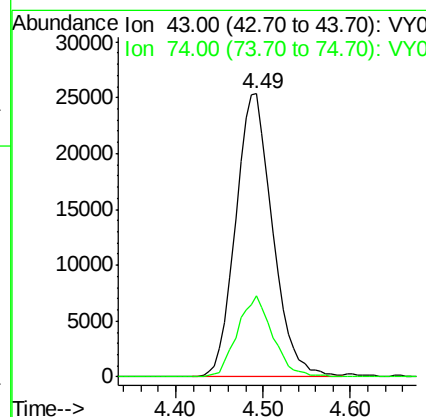
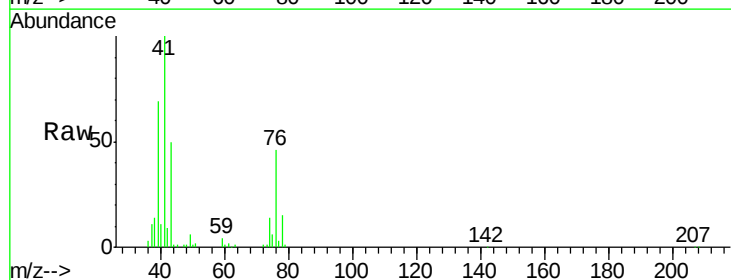
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#18
Methyl Acetate
Concen: 53.921 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.3	21.4	32.0





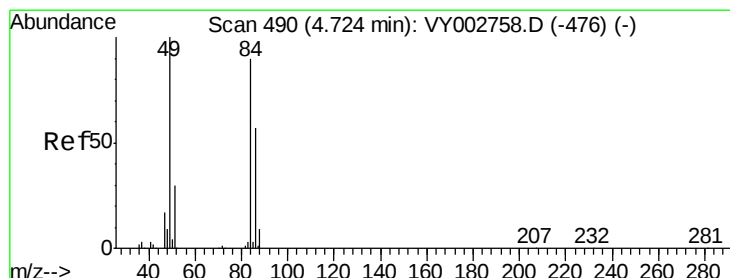
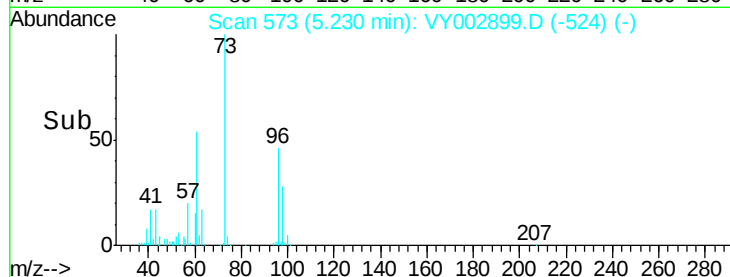
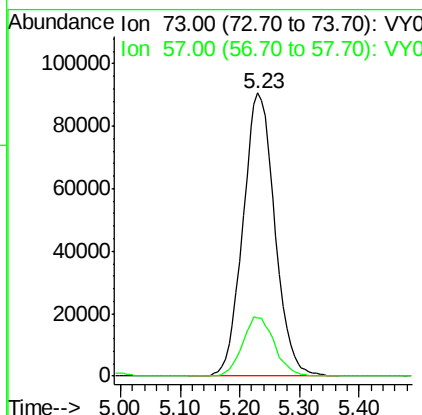
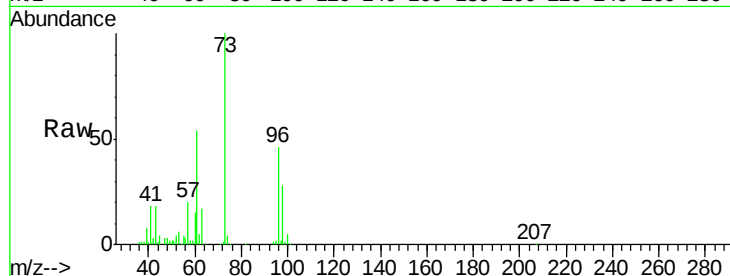
#19
Methvl tert-butvl Ether
Concen: 52.745 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	17.0	25.4

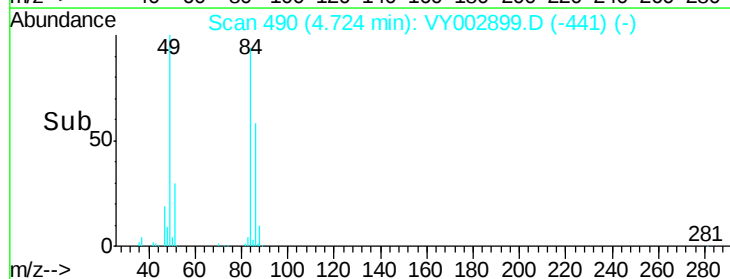
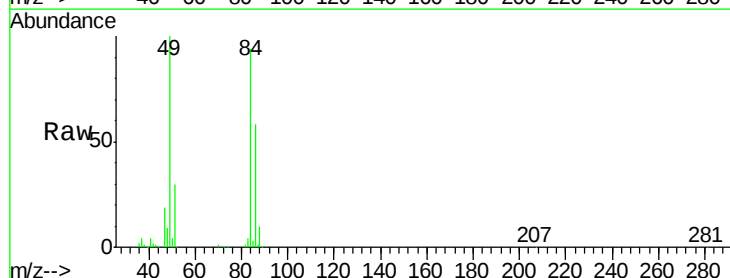
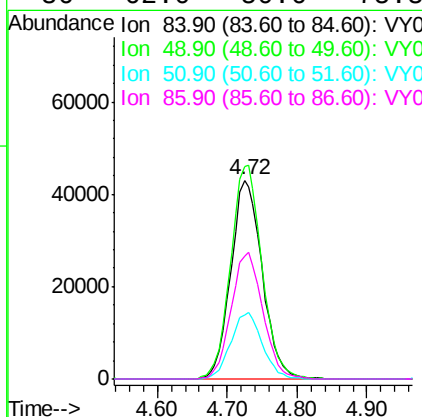
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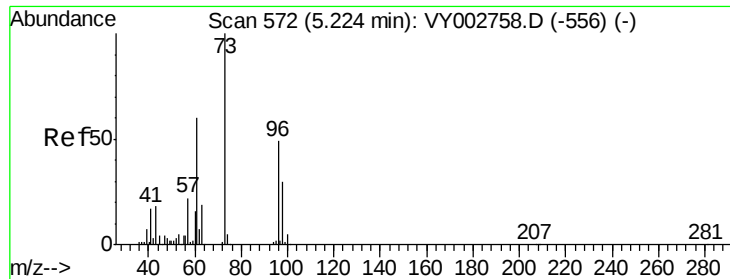
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#20
Methylene Chloride
Concen: 49.632 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.8	88.5	132.7
51	32.4	26.8	40.2
86	62.0	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 48.297 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

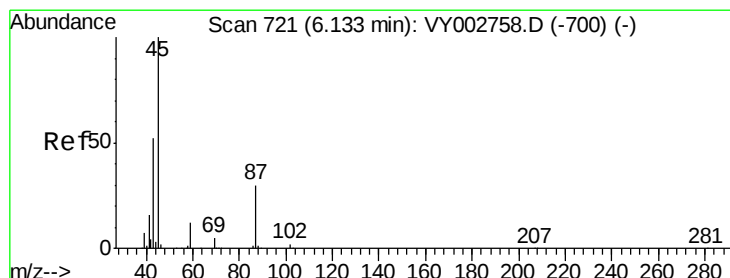
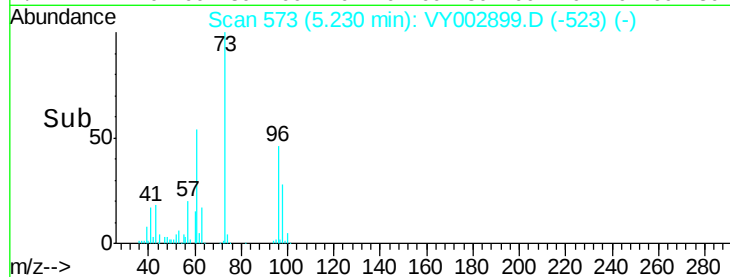
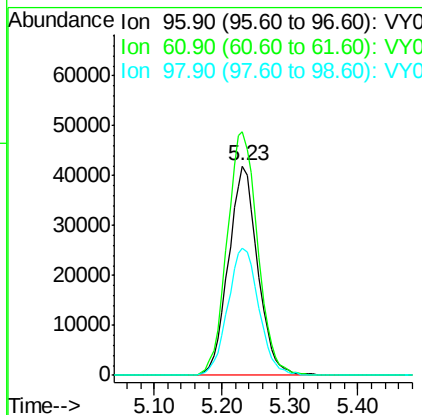
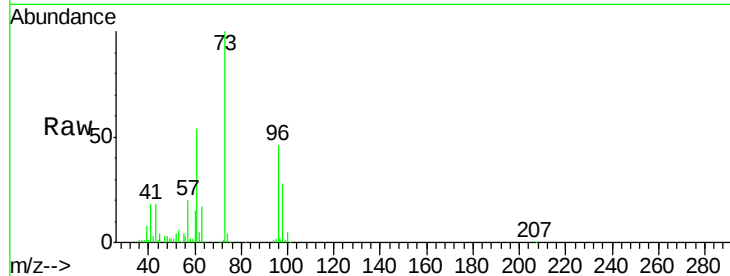
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	125189
Ion	Ratio	Lower	Upper
96	100		
61	116.4	96.8	145.2
98	60.8	49.4	74.0

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#22

Diisopropyl ether

Concen: 50.690 ug/l

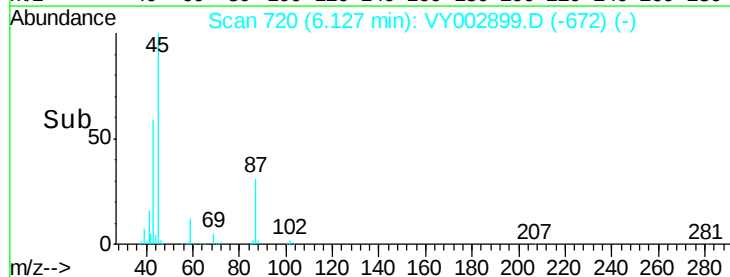
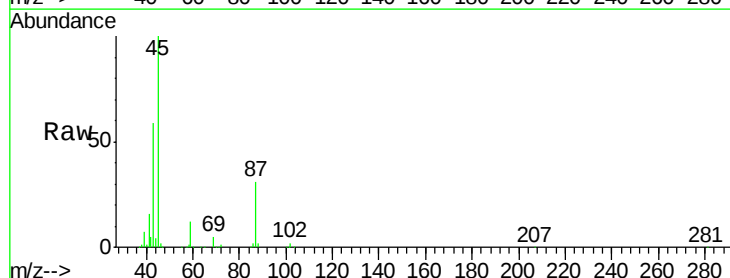
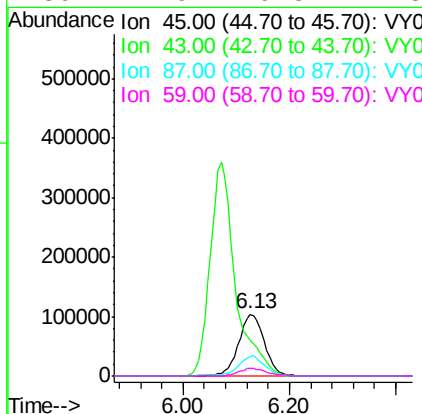
RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Tgt Ion:	45	Resp:	348214
Ion	Ratio	Lower	Upper
45	100		
43	58.7	41.7	62.5
87	30.9	24.2	36.2
59	11.9	9.8	14.8





#23

Vinyl Acetate

Concen: 262.344 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1189845

Ion Ratio Lower Upper

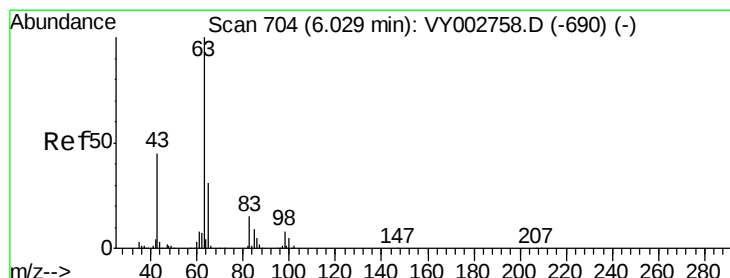
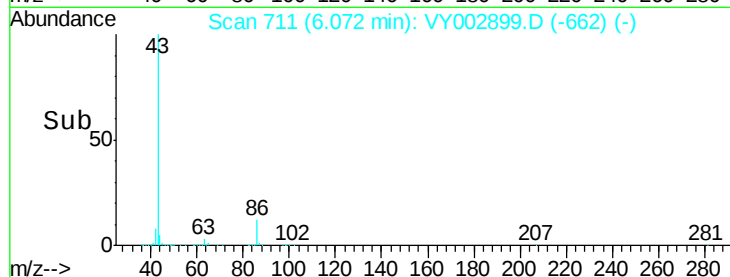
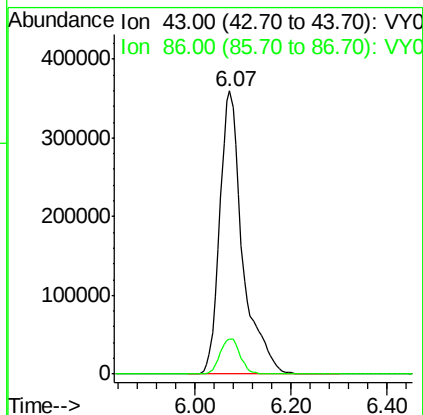
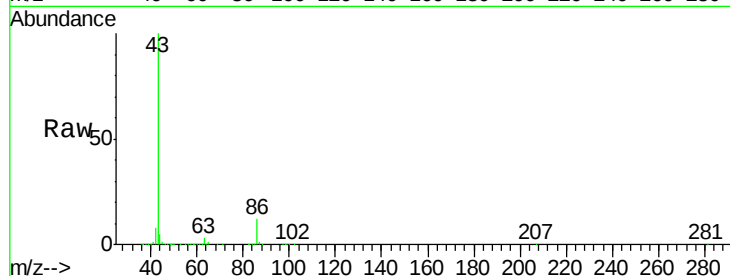
43 100

86 12.3 10.2 15.2

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#24

1,1-Dichloroethane

Concen: 51.063 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

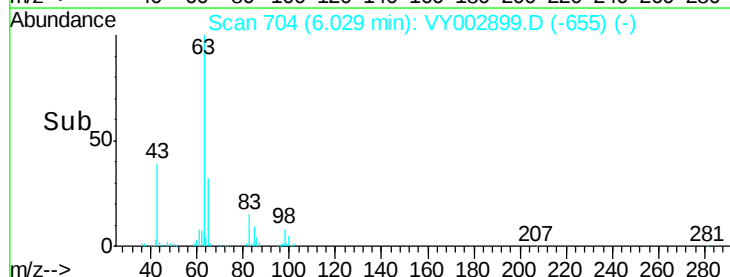
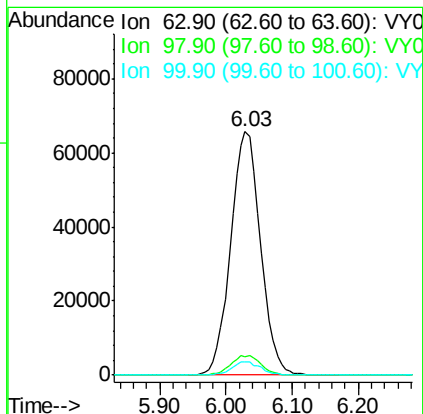
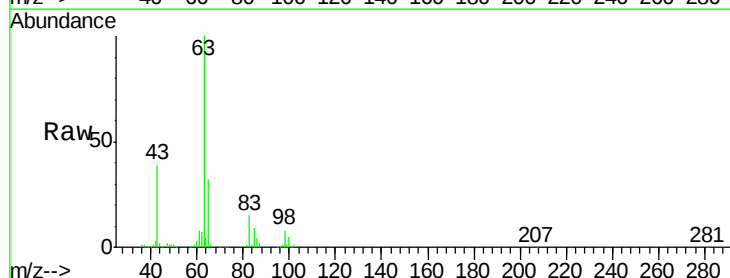
Tgt Ion: 63 Resp: 205197

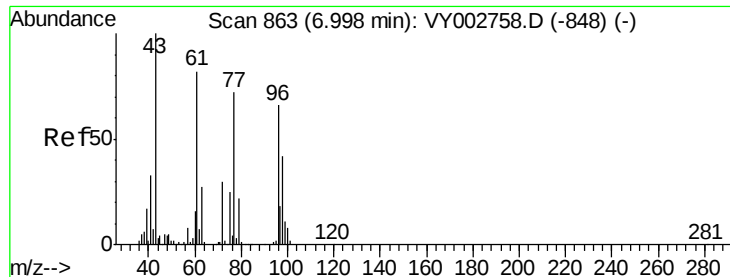
Ion Ratio Lower Upper

63 100

98 7.6 4.0 12.2

100 5.2 2.4 7.1





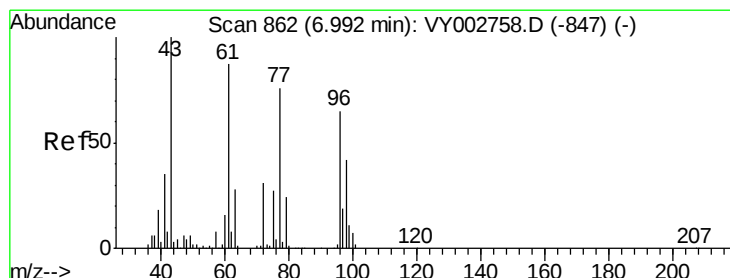
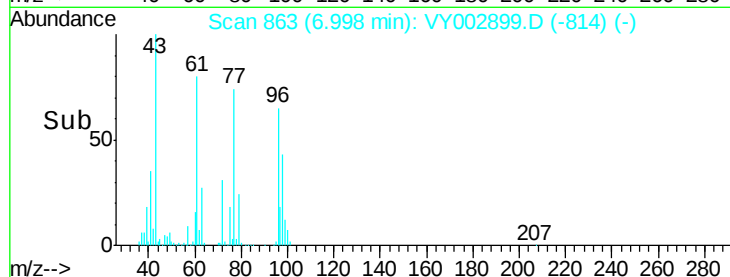
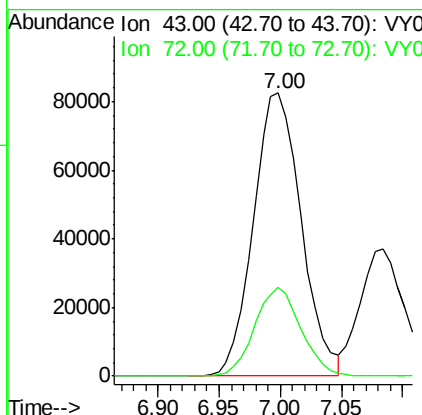
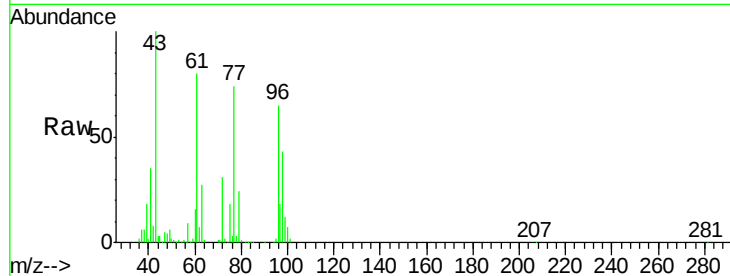
#25
2-Butanone
Concen: 262.154 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 225304
Ion Ratio Lower Upper
43 100
72 31.2 23.9 35.9

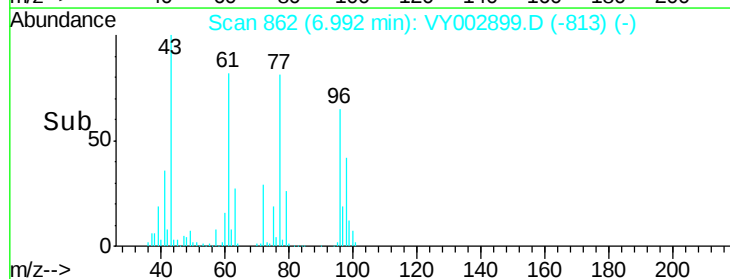
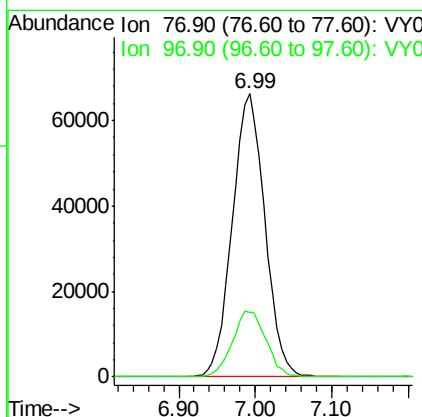
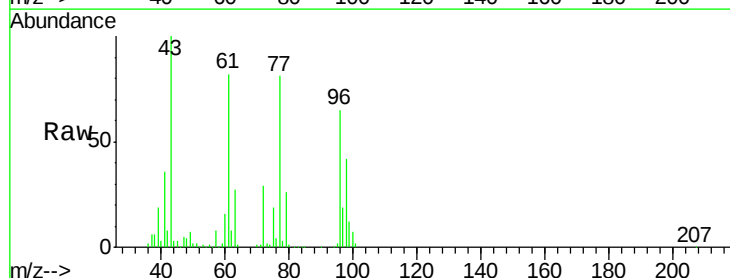
Manual Integrations
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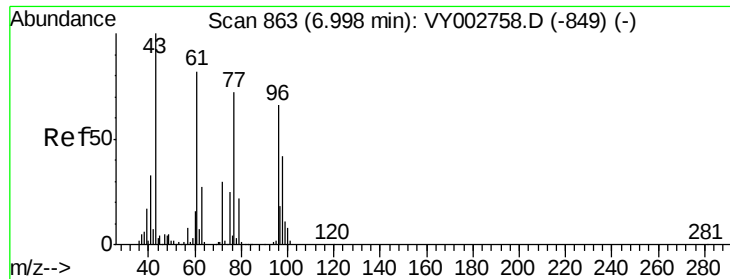
MMDadoda
6/16/2020 3:22:44 PM



#26
2,2-Dichloropropane
Concen: 50.750 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion: 77 Resp: 195591
Ion Ratio Lower Upper
77 100
97 23.9 12.2 36.6





#27

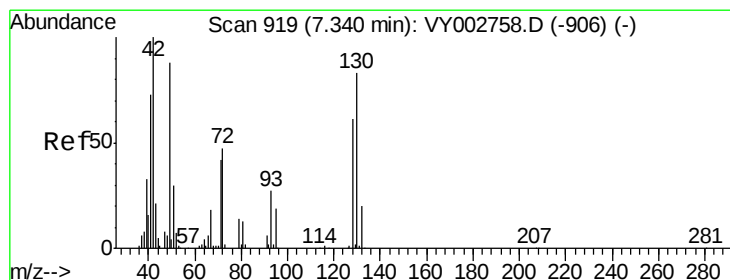
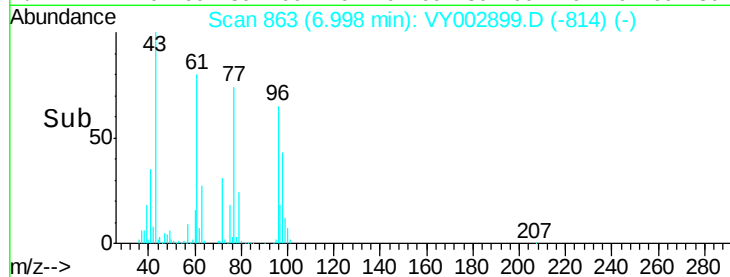
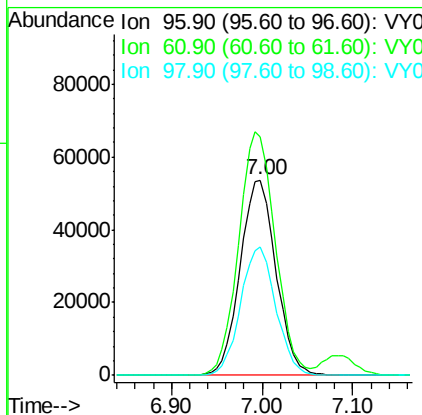
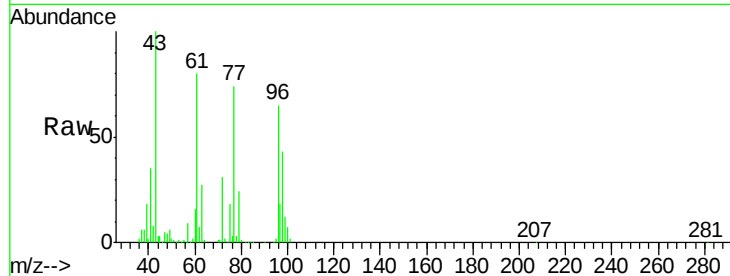
cis-1,2-Dichloroethene
Concen: 50.640 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	260.2
98	64.7	0.0	128.2

Manual Integrations
APPROVED

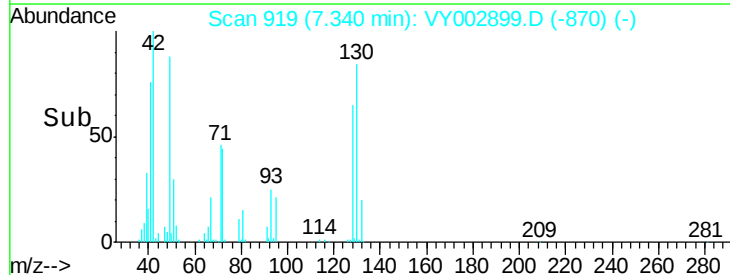
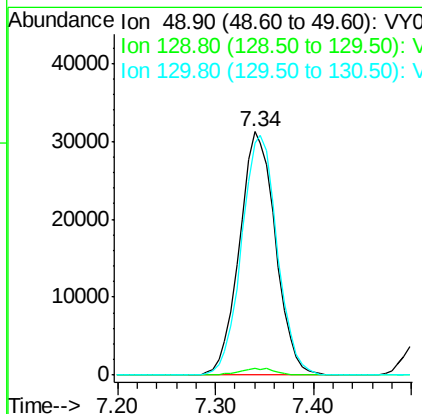
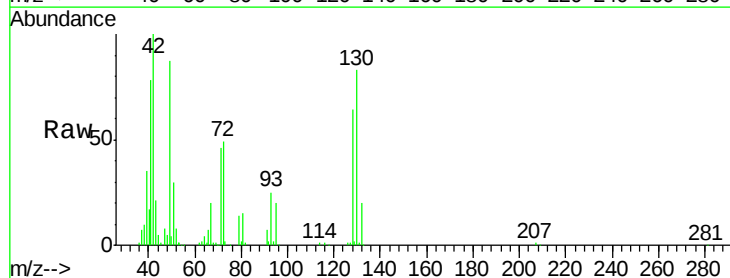
MMDadoda
6/16/2020 3:22:44 PM



#28

Bromochloromethane
Concen: 48.268 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.2
130	97.4	77.1	115.7





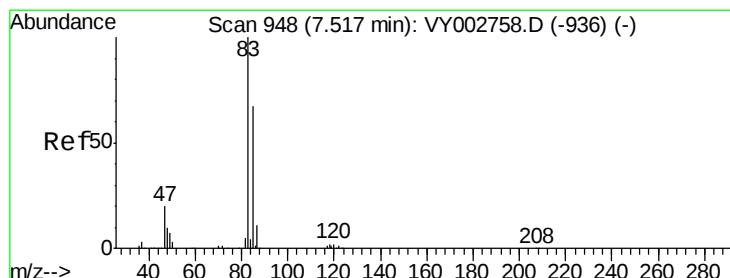
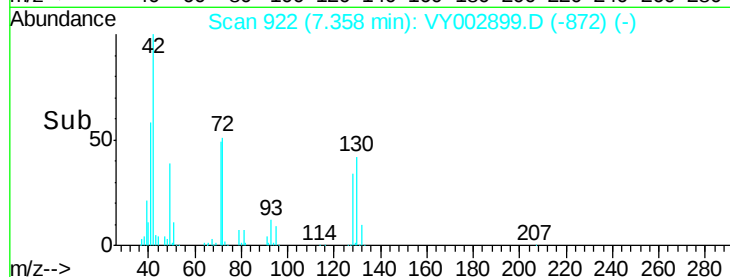
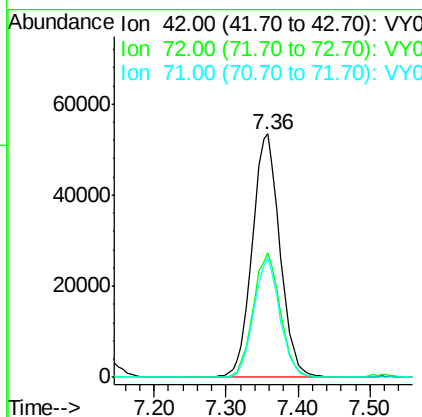
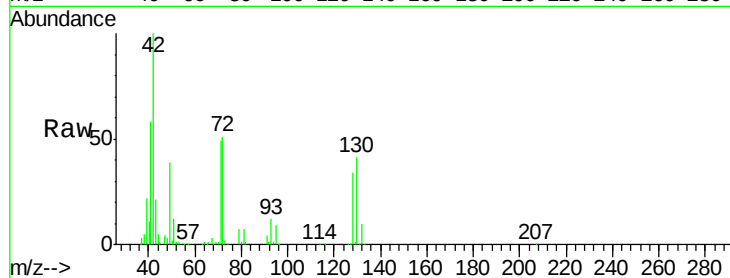
#29
Tetrahydrofuran
Concen: 255.536 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	142852
Ion Ratio	Lower	Upper	
42	100		
72	50.0	38.6	58.0
71	46.0	35.8	53.8

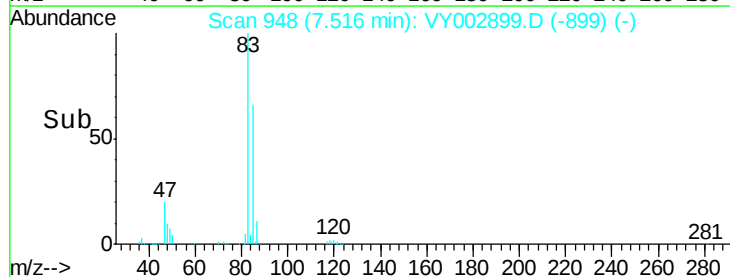
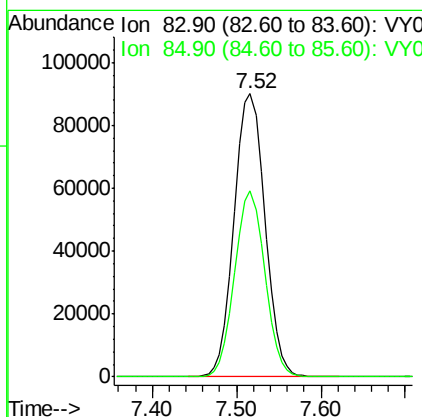
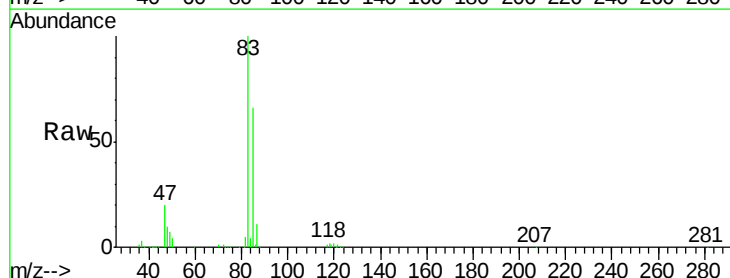
Manual Integrations
APPROVED

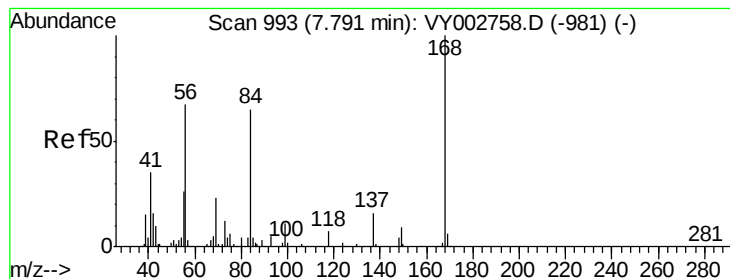
MMDadoda
6/16/2020 3:22:44 PM



#30
Chloroform
Concen: 52.384 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion:	83	Resp:	223376
Ion Ratio	Lower	Upper	
83	100		
85	65.7	53.8	80.8





#31

Cyclohexane

Concen: 45.007 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 179571

Ion Ratio Lower Upper

56 100

69 38.4 28.0 42.0

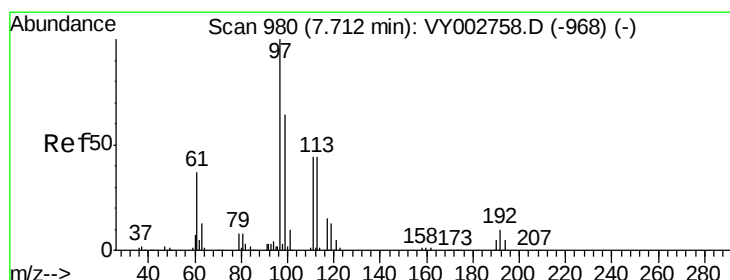
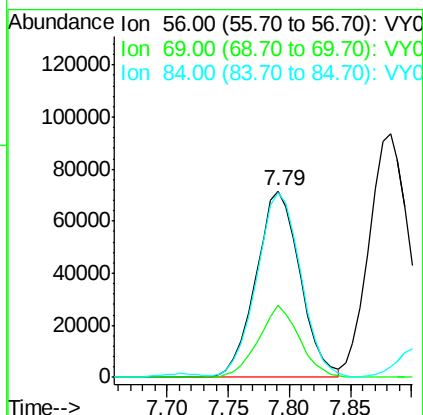
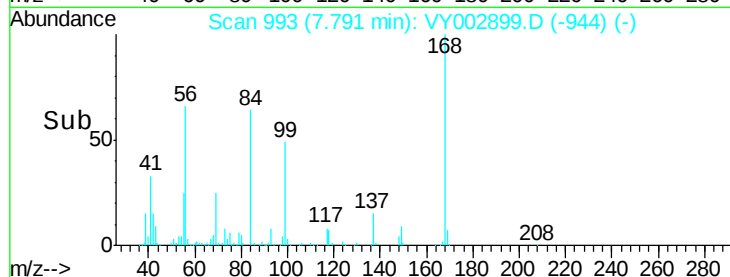
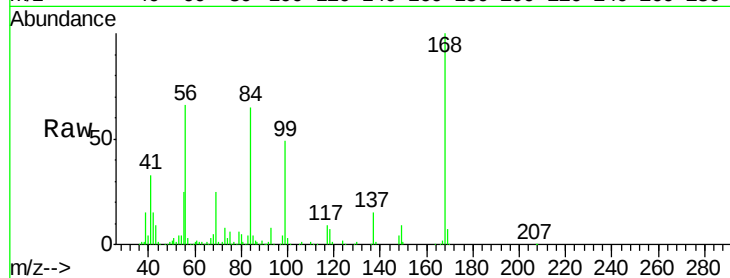
84 97.6 77.7 116.5

Manual Integrations

APPROVED

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#32

1,1,1-Trichloroethane

Concen: 51.405 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

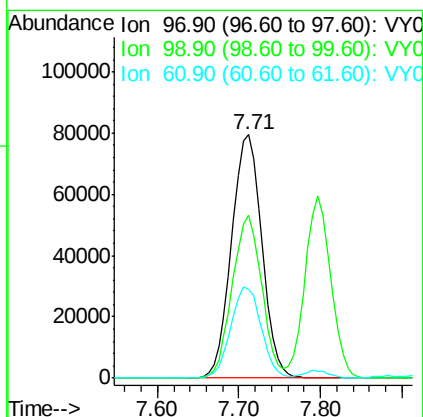
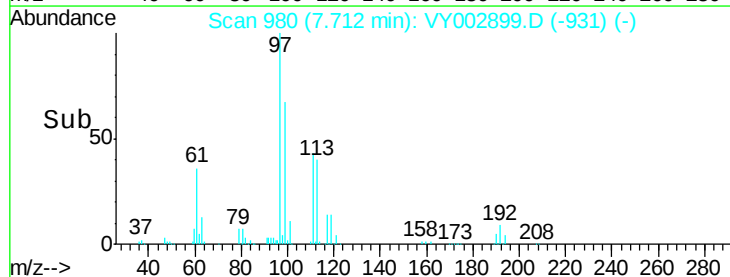
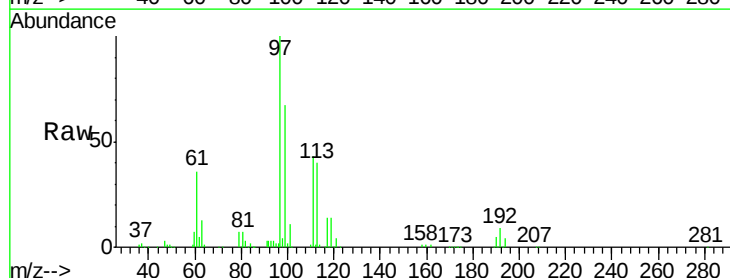
Tgt Ion: 97 Resp: 204265

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.0

61 37.6 30.1 45.1





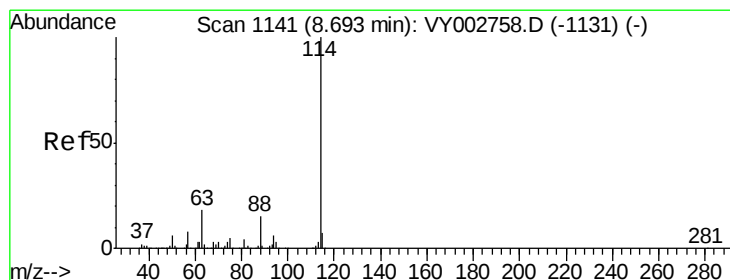
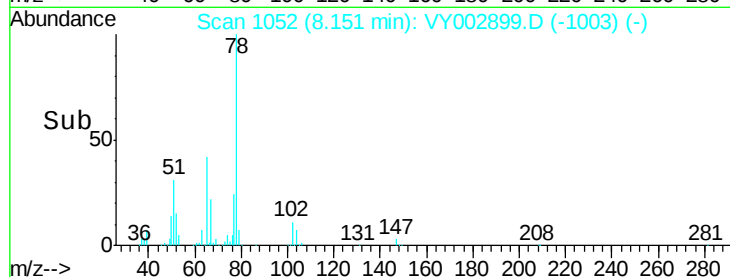
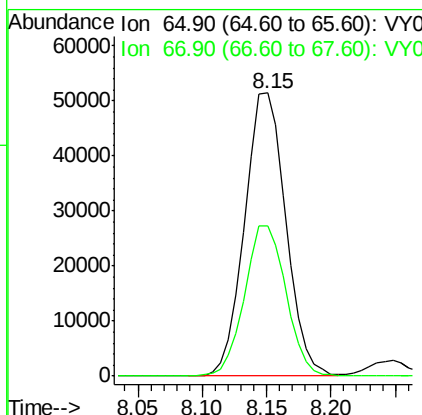
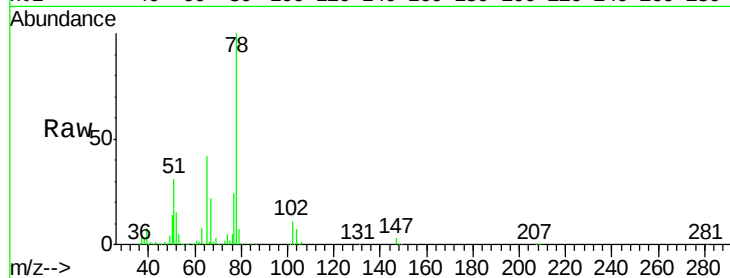
#33
 1,2-Dichloroethane-d4
 Concen: 48.386 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	111.0	

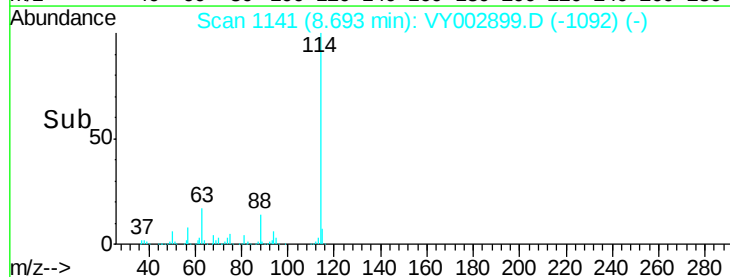
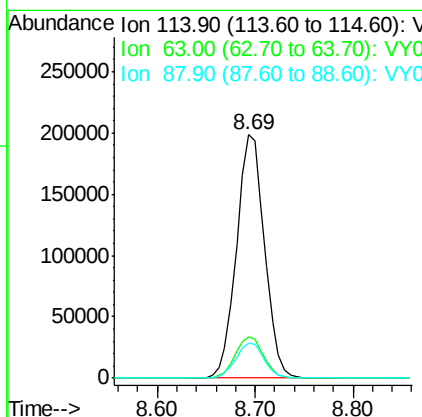
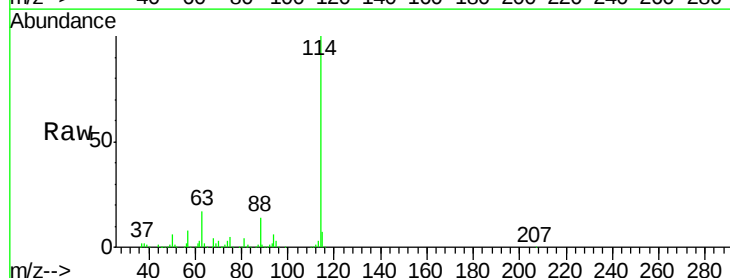
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.0	0.0	35.2	
88	14.5	0.0	29.2	





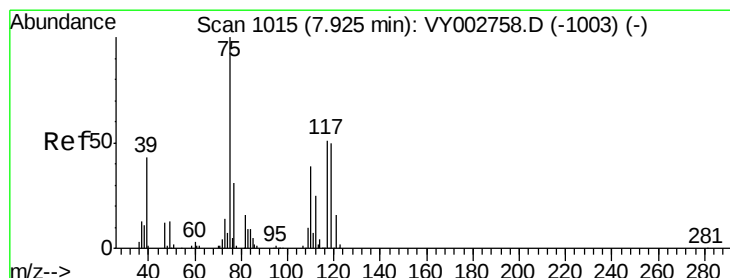
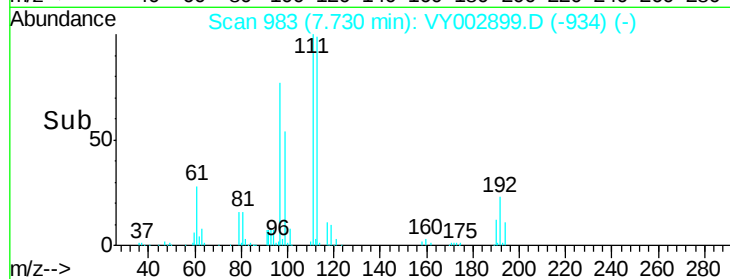
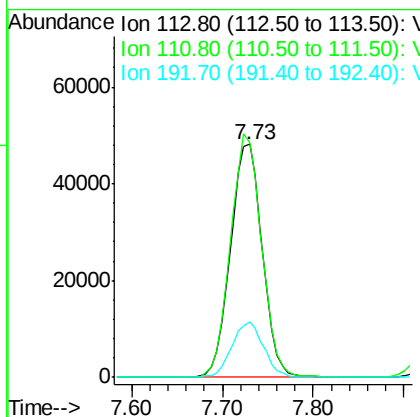
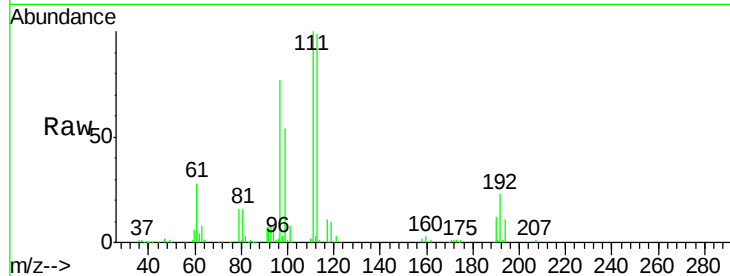
#35
Dibromofluoromethane
Concen: 50.666 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	82.0	123.0	
192	23.5	18.9	28.3	

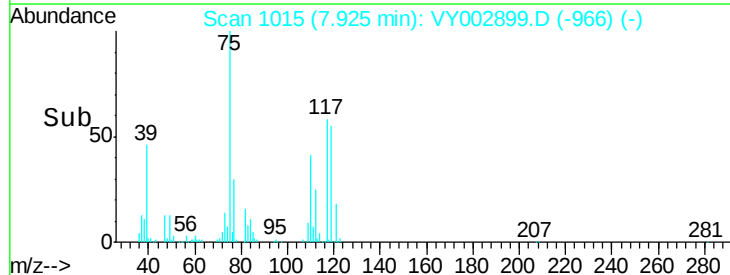
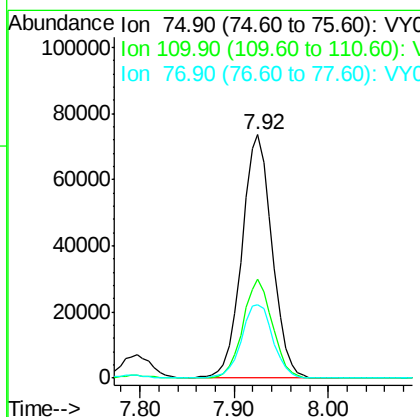
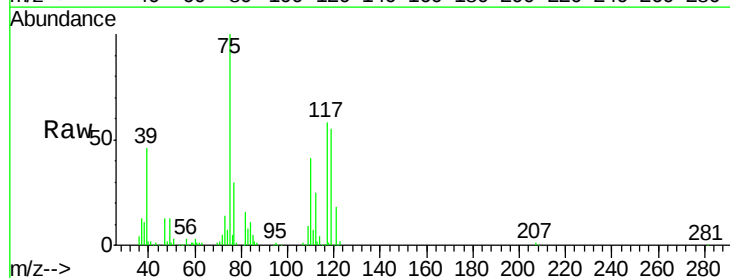
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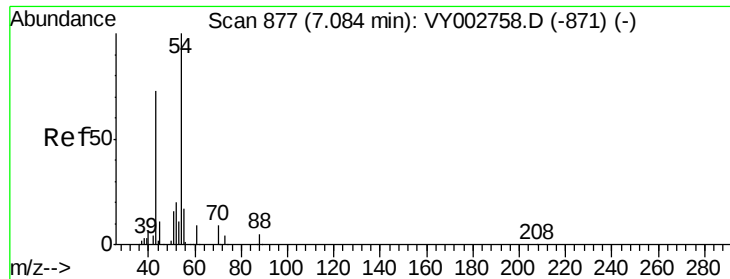
MMDadoda
6/16/2020 3:22:44 PM



#36
1,1-Dichloropropene
Concen: 49.818 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.5	19.3	57.9	
77	31.6	24.8	37.2	





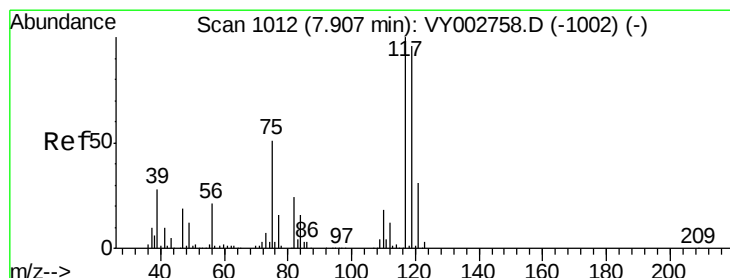
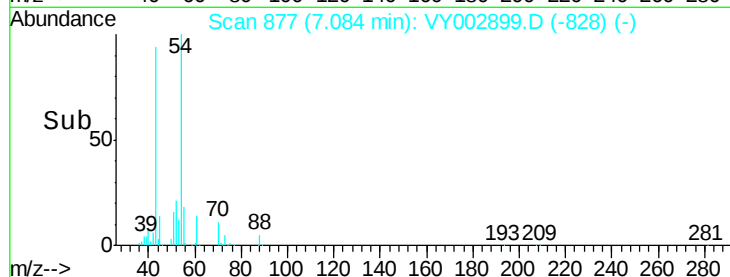
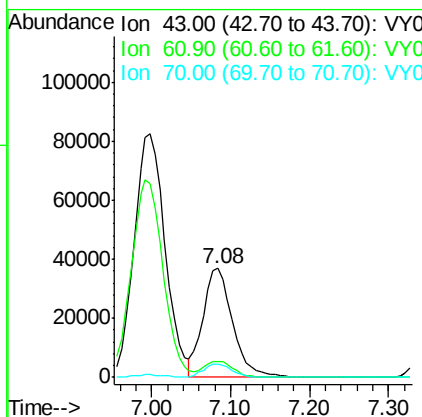
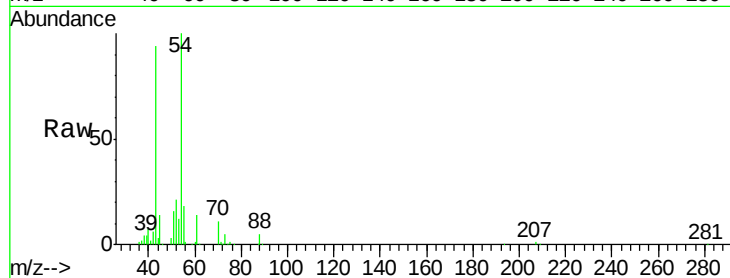
#37
Ethyl Acetate
Concen: 53.579 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.9	17.9
70	11.8	9.1	13.7

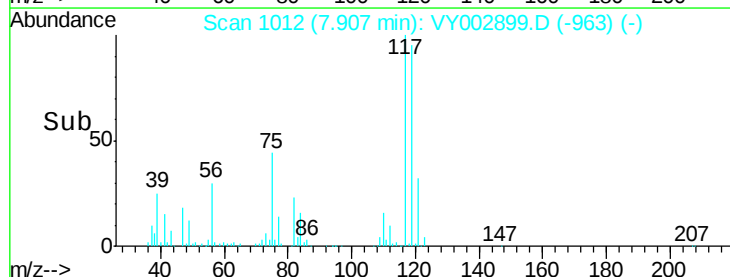
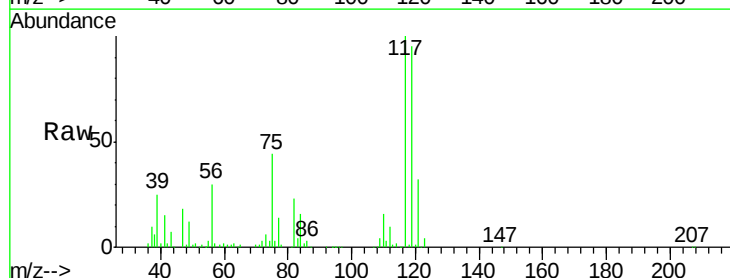
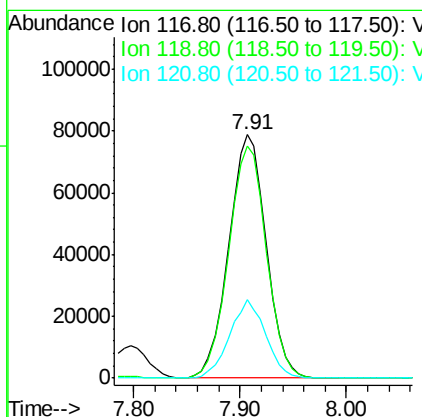
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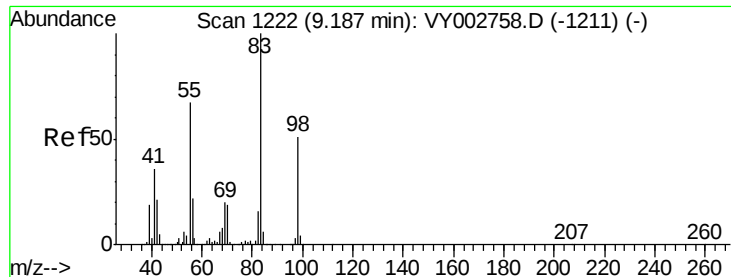
MMDadoda
6/16/2020 3:22:44 PM



#38
Carbon Tetrachloride
Concen: 52.592 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.8	115.2
121	32.3	24.8	37.2





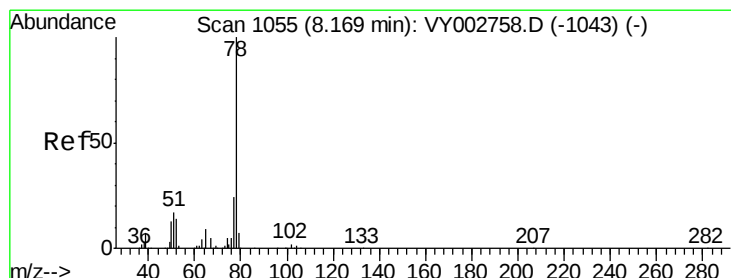
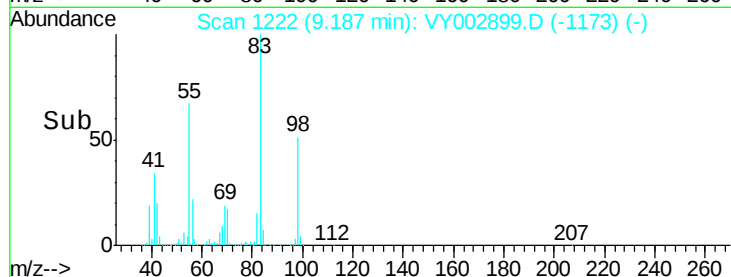
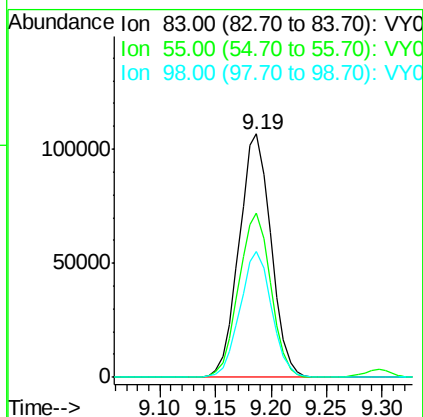
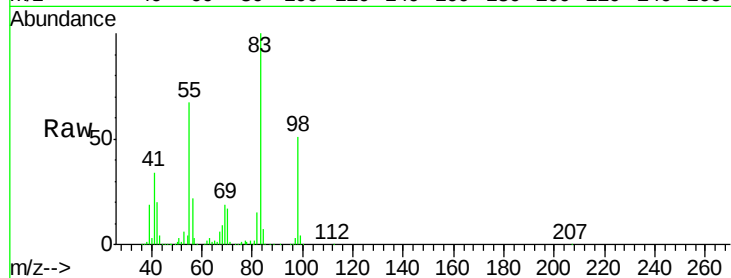
#39
Methvlcvclohexane
Concen: 48.710 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.4	53.3	79.9
98	51.5	41.1	61.7

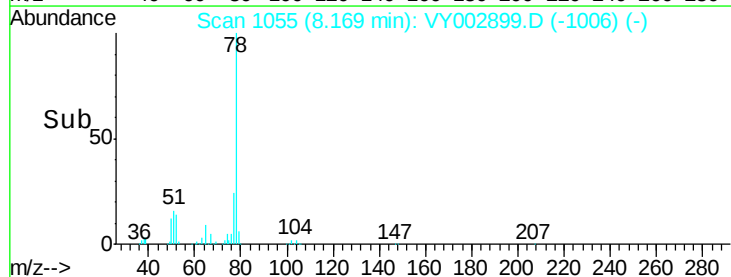
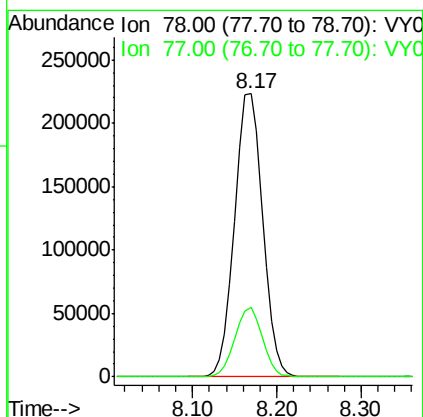
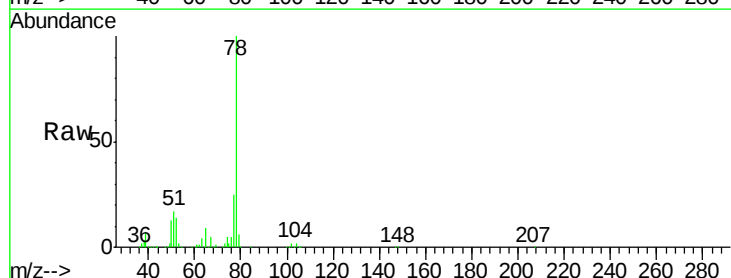
Manual Integrations
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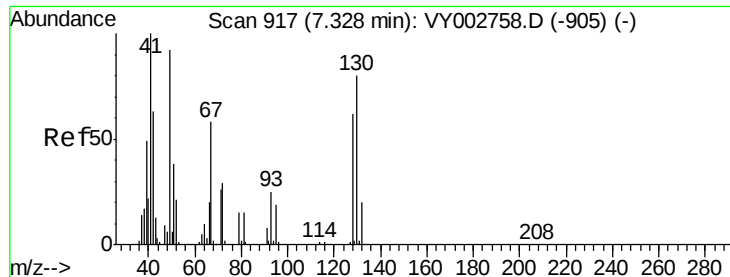
MMDadoda
6/16/2020 3:22:44 PM



#40
Benzene
Concen: 51.290 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2





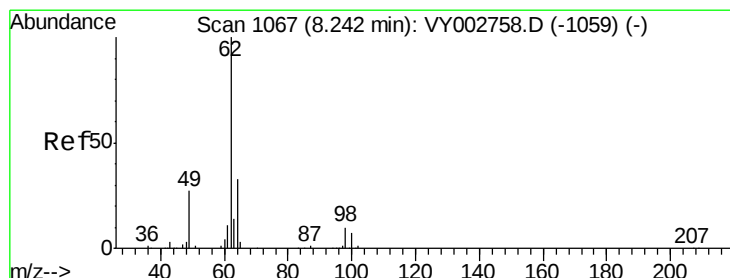
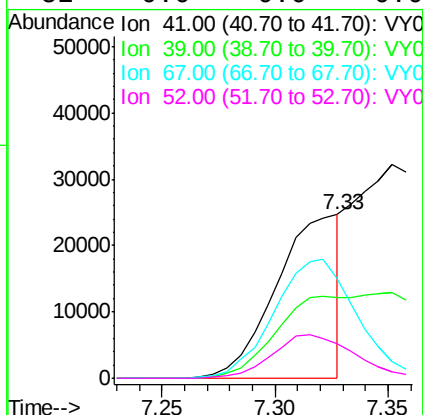
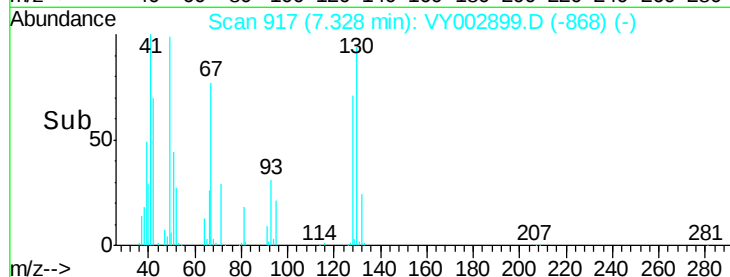
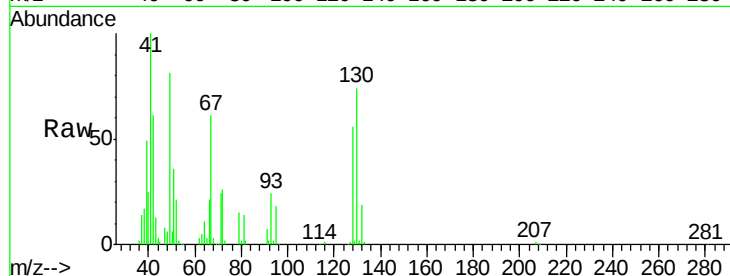
#41
Methacrylonitrile
Concen: 50.138 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	48569
Ion	Ratio	Lower	Upper
41	100		
39	121.8	97.6	146.4
67	0.0	0.0	0.0
52	0.0	0.0	0.0

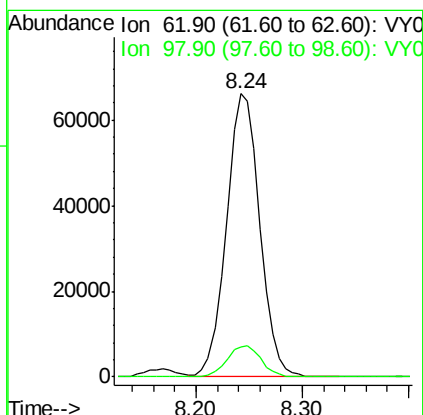
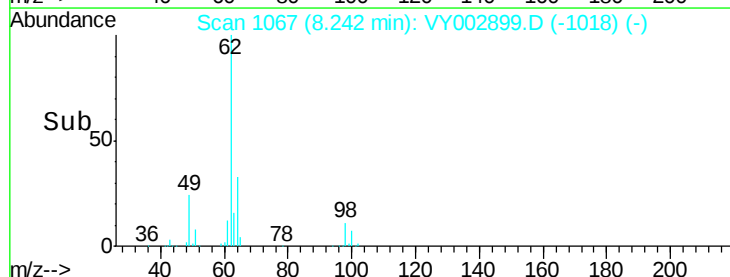
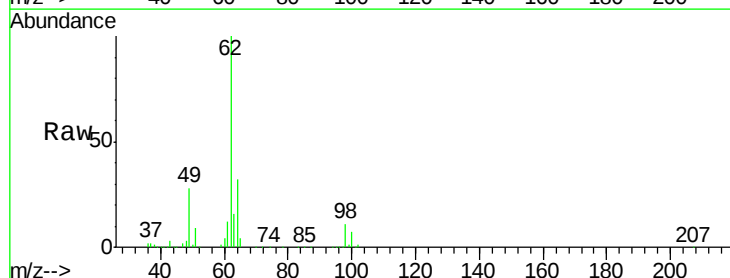
Manual Integrations
APPROVED

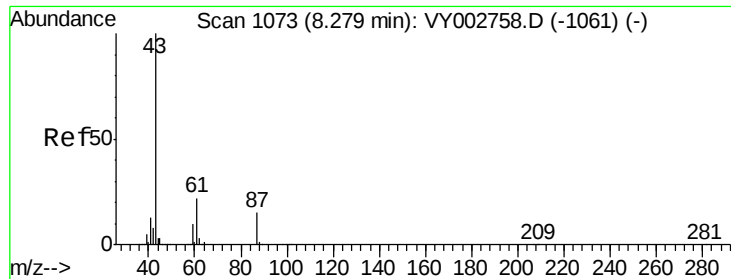
MMDadoda
6/16/2020 3:22:44 PM



#42
1,2-Dichloroethane
Concen: 52.737 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion:	62	Resp:	144734
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.6





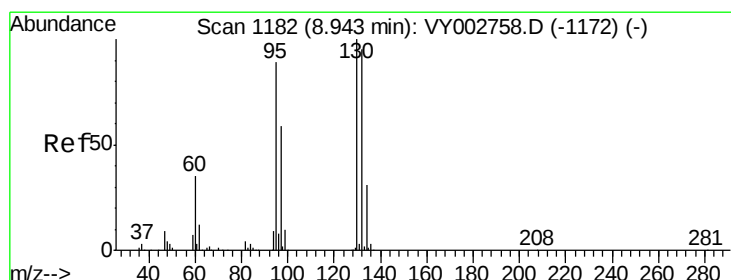
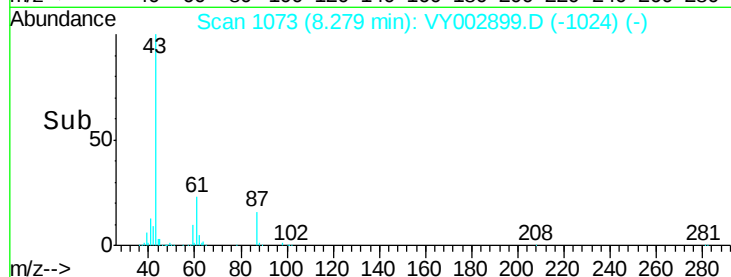
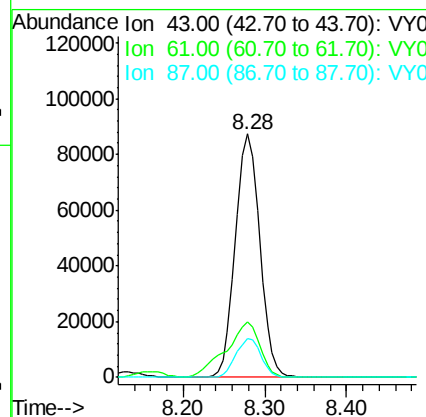
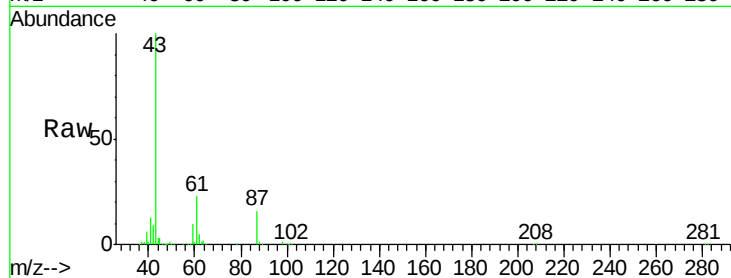
#43
Isopropyl Acetate
Concen: 52.997 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.8	37.2
87	16.1	12.4	18.6

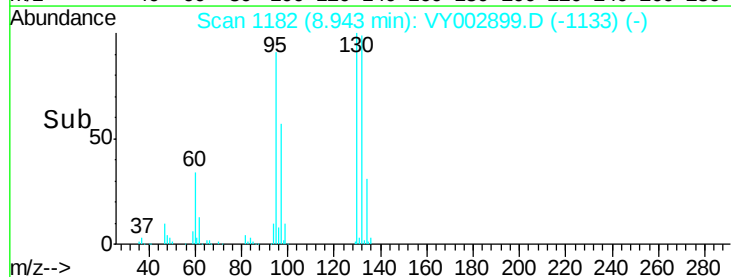
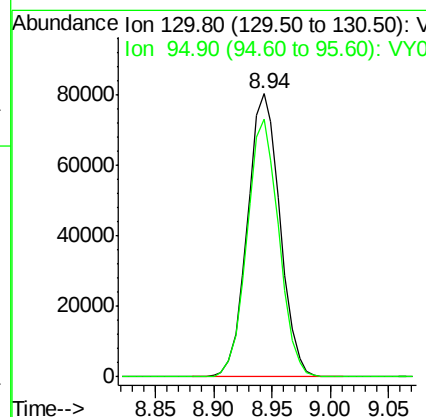
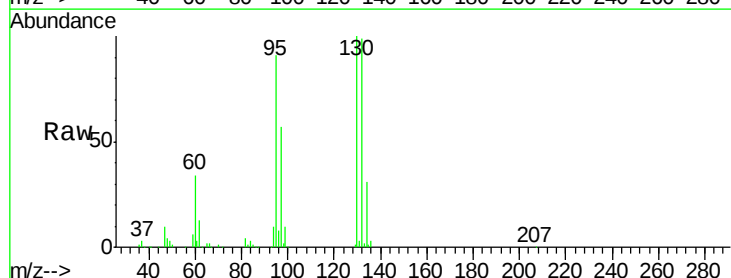
Manual Integrations
APPROVED

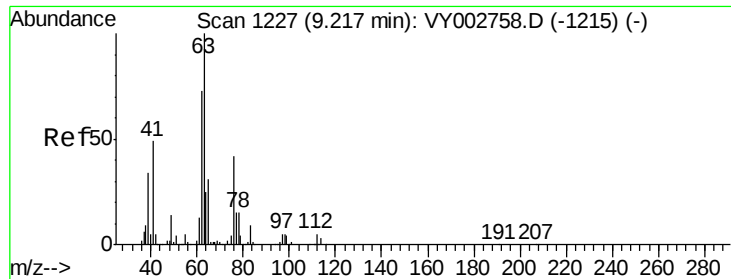
MMDadoda
6/16/2020 3:22:44 PM



#44
Trichloroethene
Concen: 50.545 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	178.8





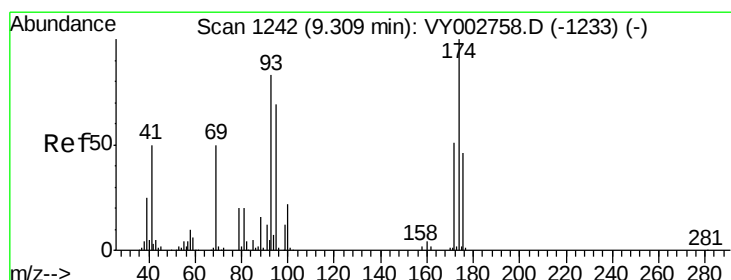
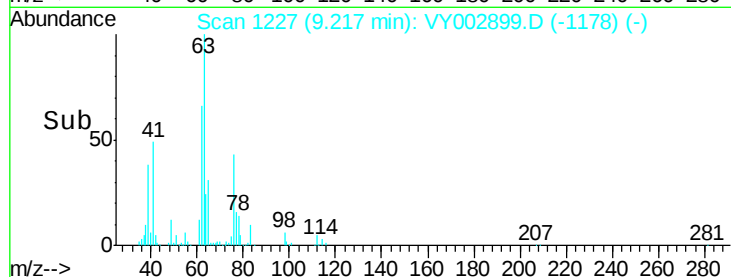
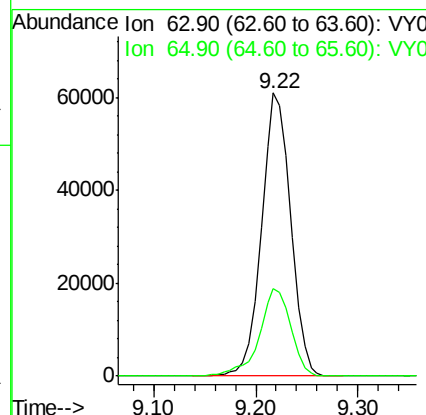
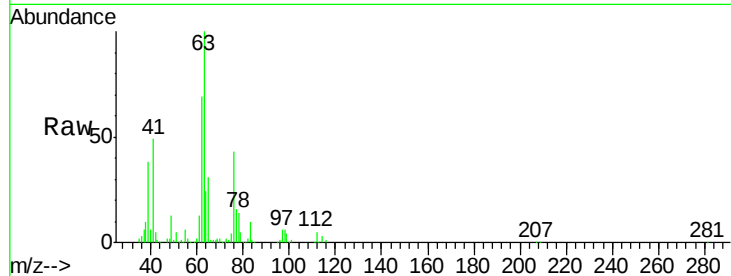
#45
 1,2-Dichloropropane
 Concen: 51.495 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.8	37.2

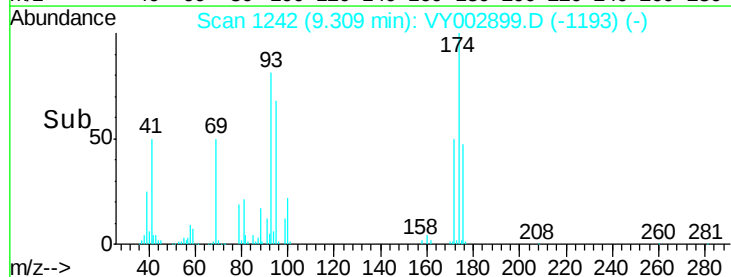
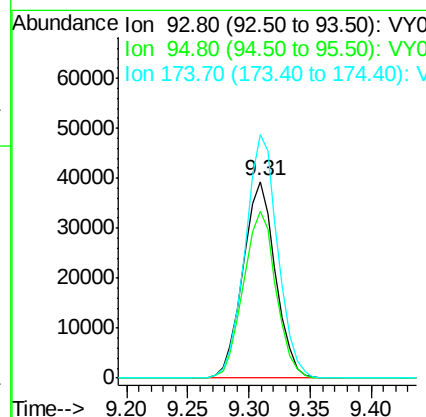
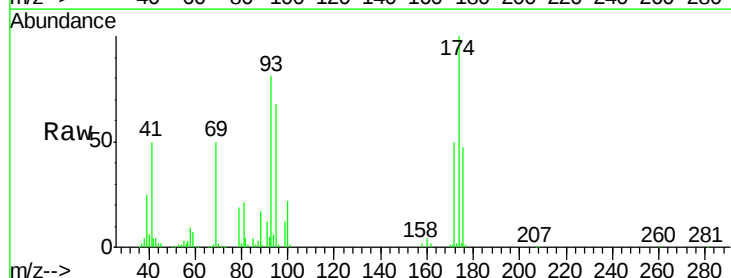
Manual Integrations
 APPROVED

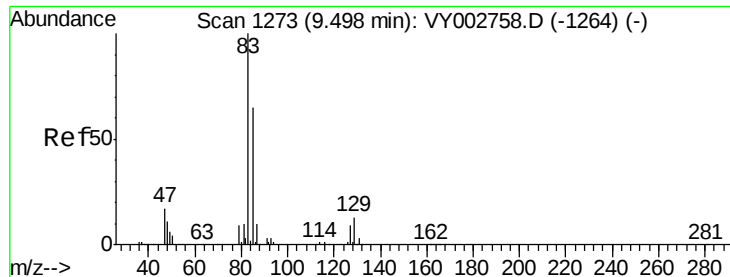
MMDadoda
 6/16/2020 3:22:44 PM



#46
 Dibromomethane
 Concen: 51.990 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	66.9	100.3
174	124.0	97.7	146.5





#47

Bromodichloromethane

Concen: 53.985 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

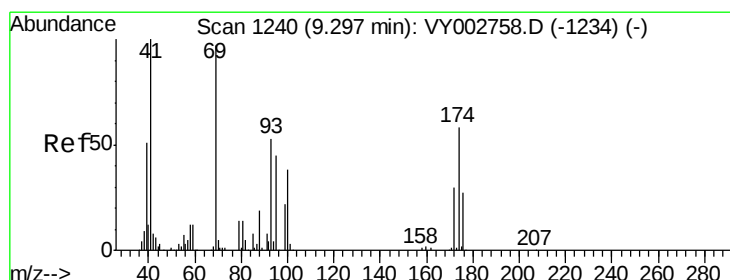
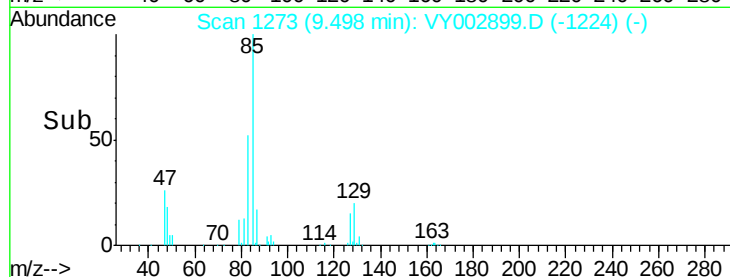
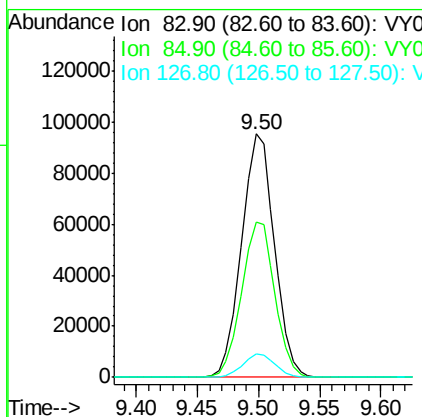
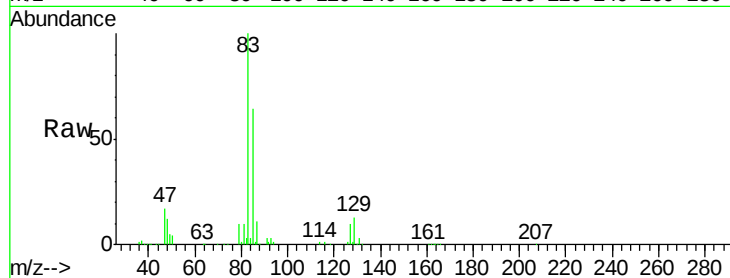
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	177500
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.9	77.9
127	9.5	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
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#48

Methyl methacrylate

Concen: 53.824 ug/l

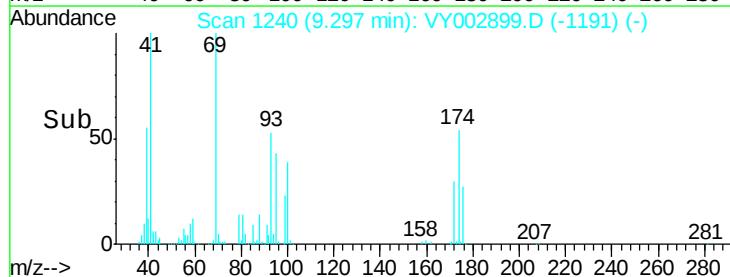
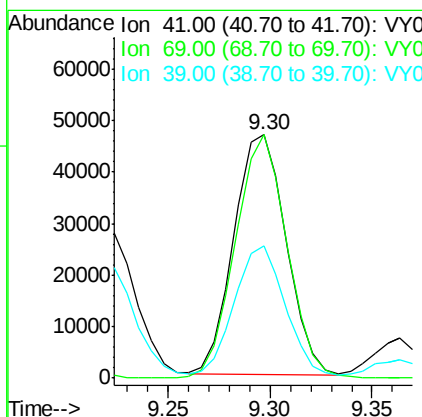
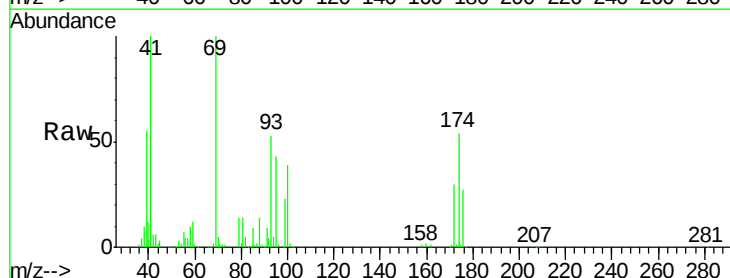
RT: 9.30 min Scan# 1240

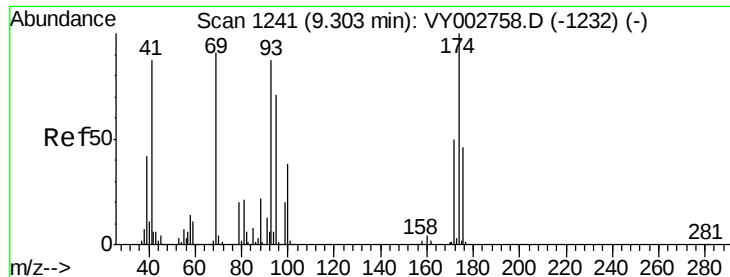
Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Tgt Ion:	41	Resp:	83027
Ion	Ratio	Lower	Upper
41	100		
69	99.9	79.7	119.5
39	54.8	43.3	64.9





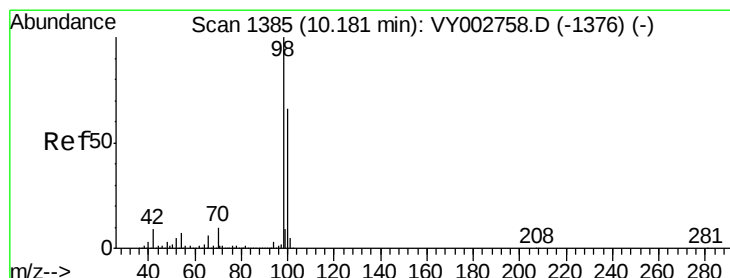
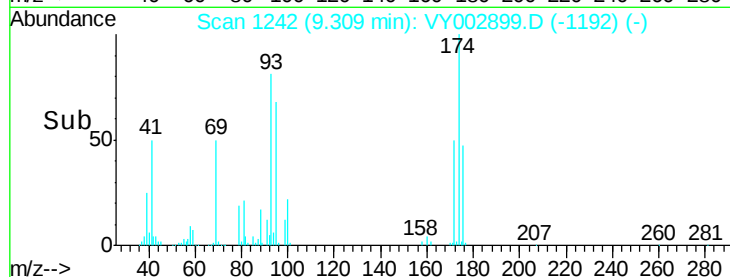
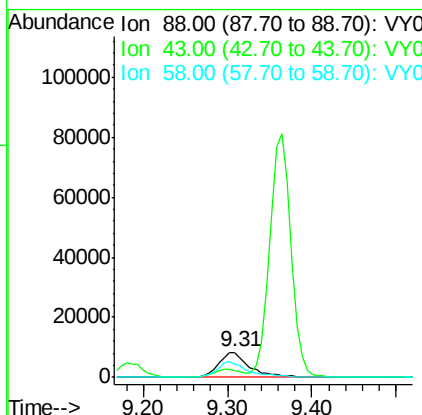
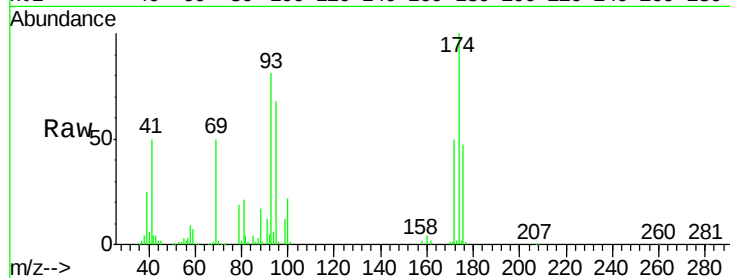
#49
1,4-Dioxane
Concen: 1003.637 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	21493
Ion Ratio	Lower	Upper	
88	100		
43	26.7	21.3	31.9
58	62.3	52.2	78.2

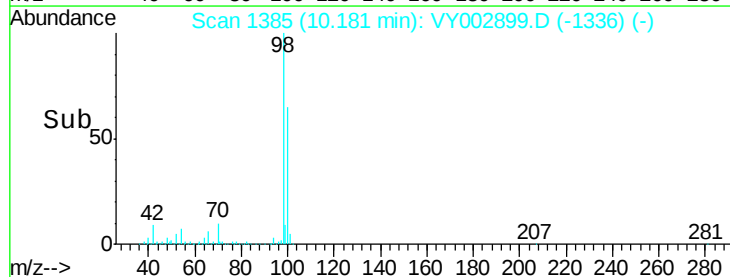
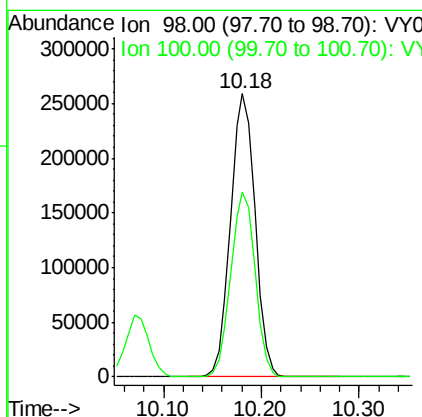
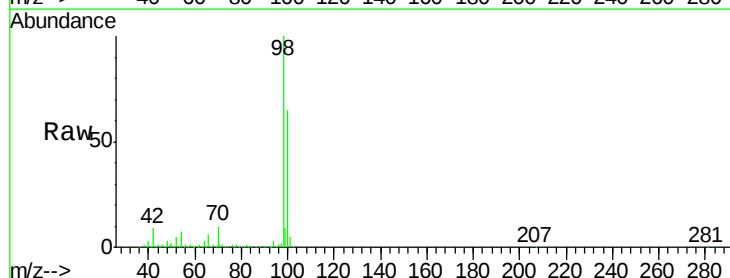
Manual Integrations
APPROVED

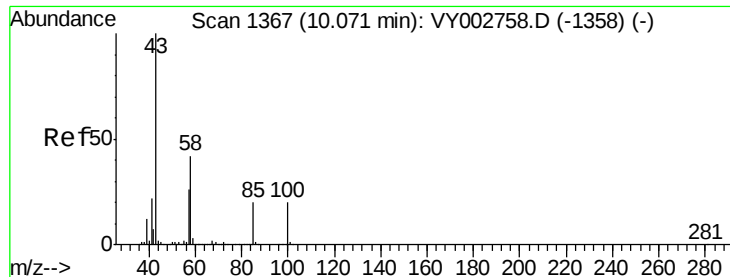
MMDadoda
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#50
Toluene-d8
Concen: 48.304 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	98	Resp	450327
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 273.096 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 494142

Ion Ratio Lower Upper

43 100

58 42.5

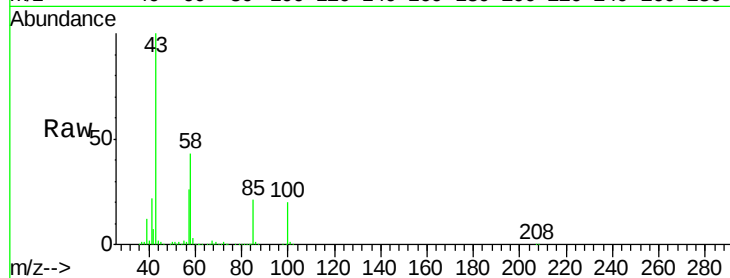
34.2

51.2

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

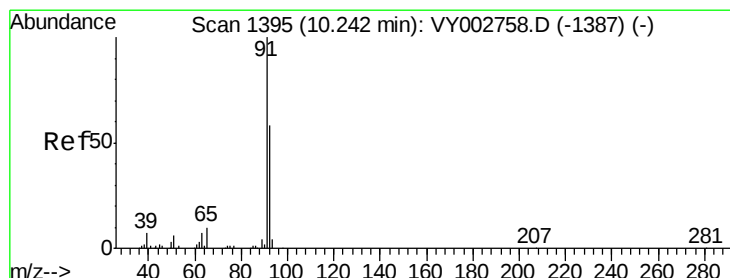
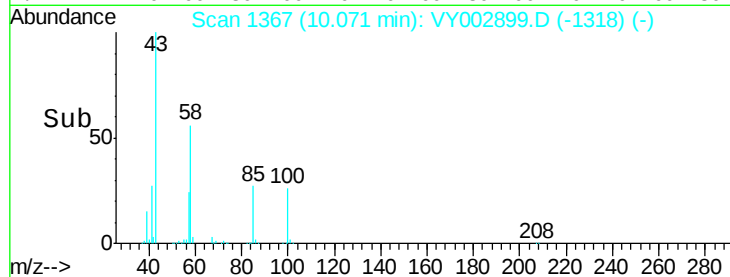
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.509 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.01 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Tgt Ion: 92 Resp: 329978

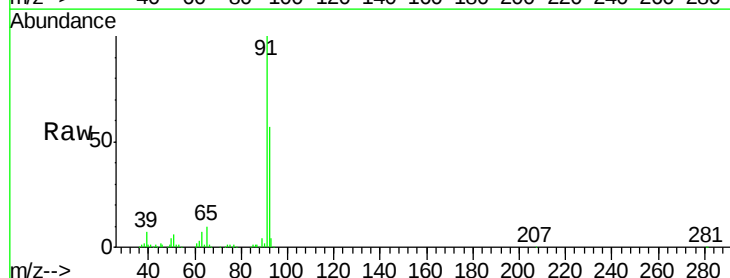
Ion Ratio Lower Upper

92 100

91 174.6

138.5

207.7



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.25

400000

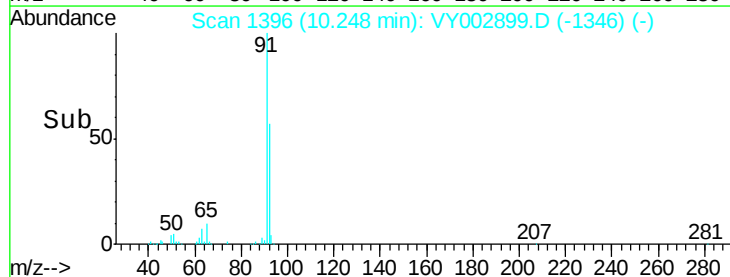
300000

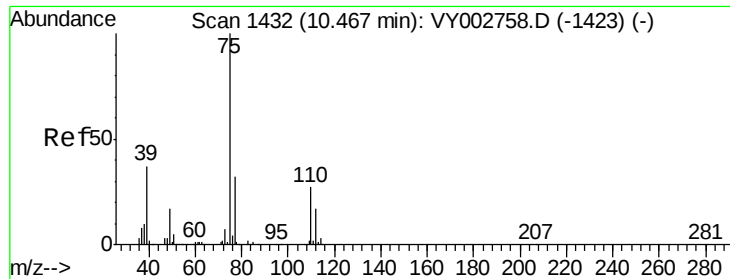
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.091 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 194256

Ion Ratio Lower Upper

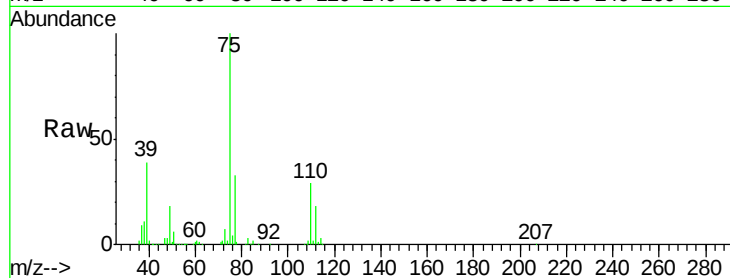
75 100

77 33.4 25.3 37.9

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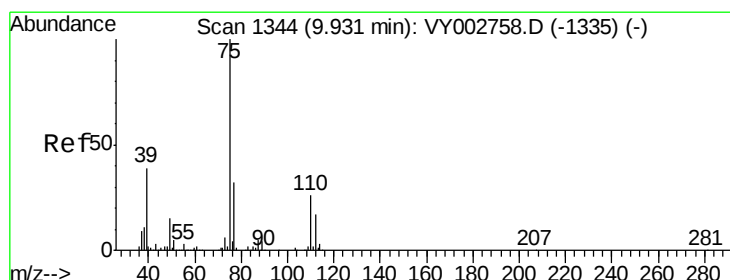
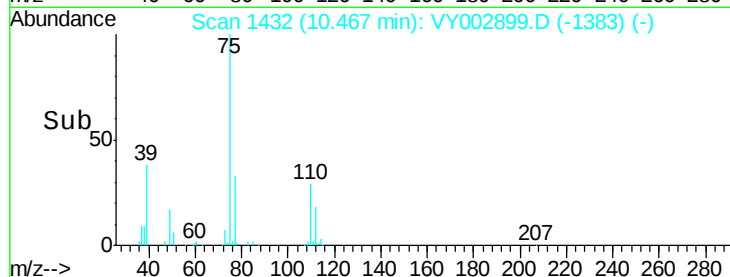
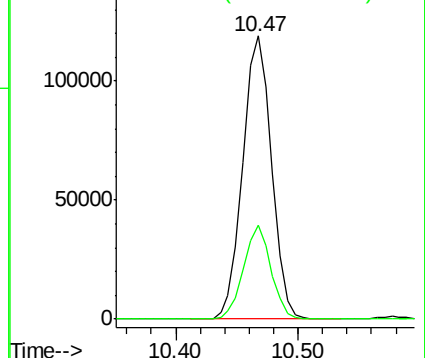
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 52.858 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

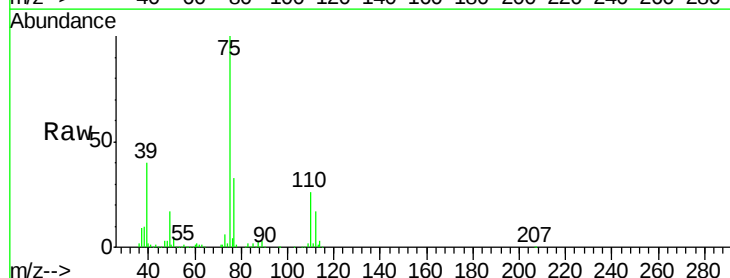
Tgt Ion: 75 Resp: 215097

Ion Ratio Lower Upper

75 100

77 32.9 25.6 38.4

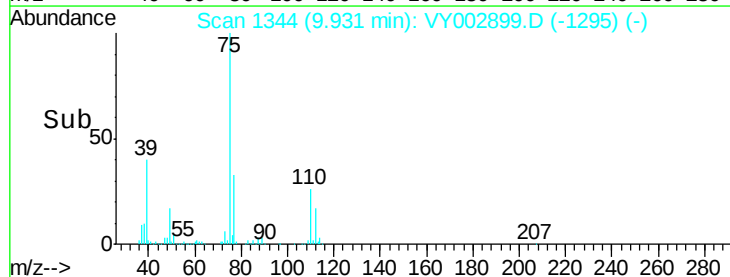
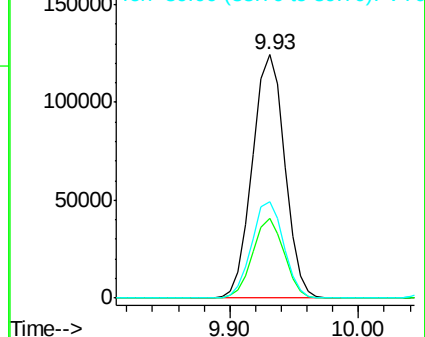
39 39.5 31.3 46.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





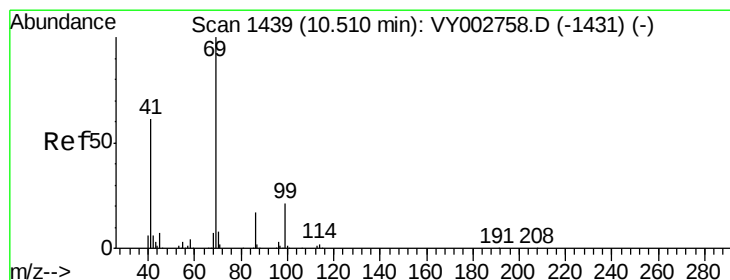
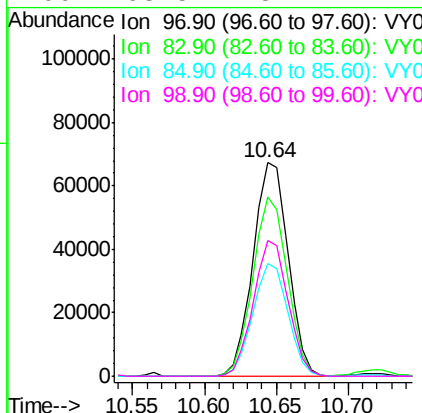
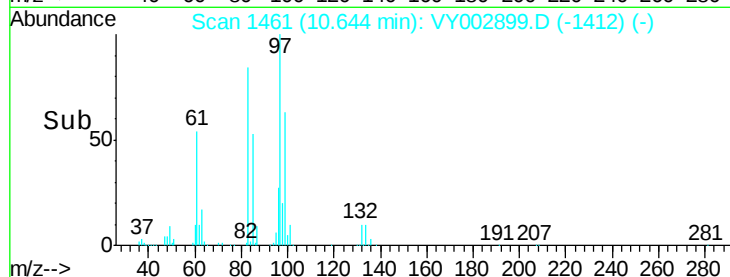
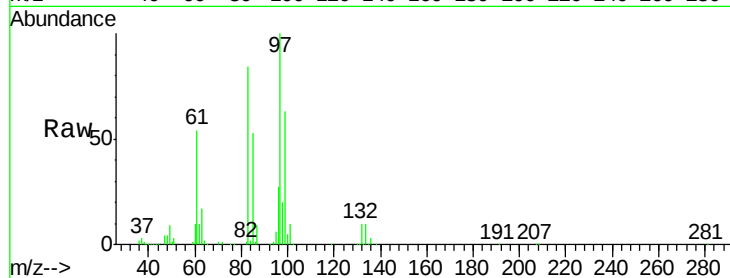
#55
 1,1,2-Trichloroethane
 Concen: 53.334 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		113881		
83	83.7	62.7	94.1		
85	52.7	40.6	60.8		
99	63.5	48.2	72.4		

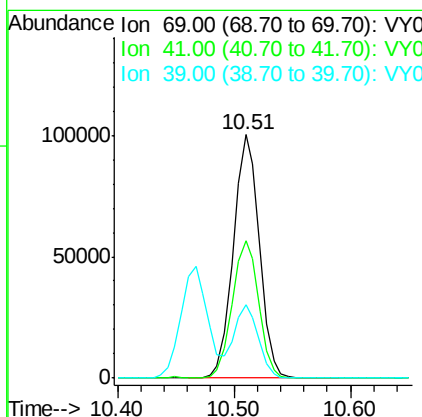
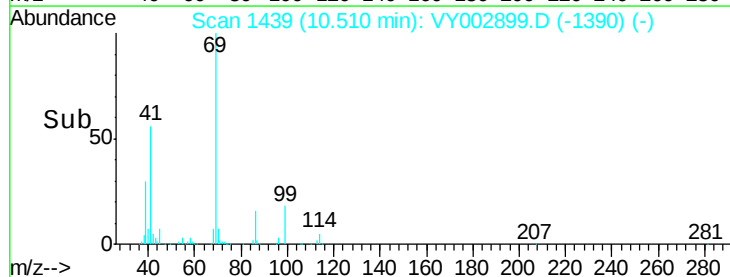
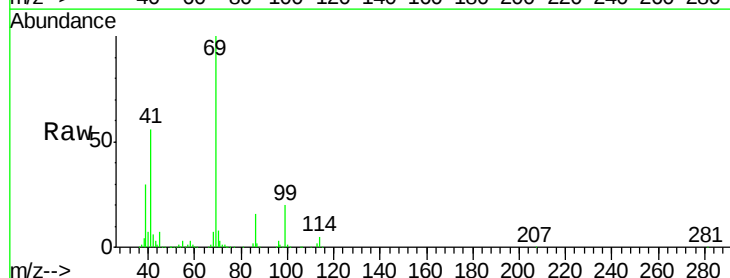
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#56
 Ethyl methacrylate
 Concen: 54.390 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		155552		
41	56.9	47.0	70.4		
39	27.7	22.0	33.0		





#57

1,3-Dichloropropane

Concen: 53.380 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 187469

Ion Ratio Lower Upper

76 100

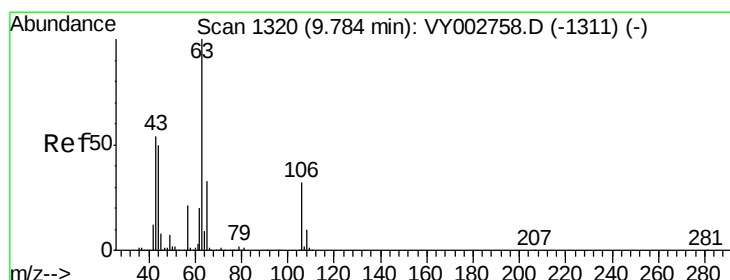
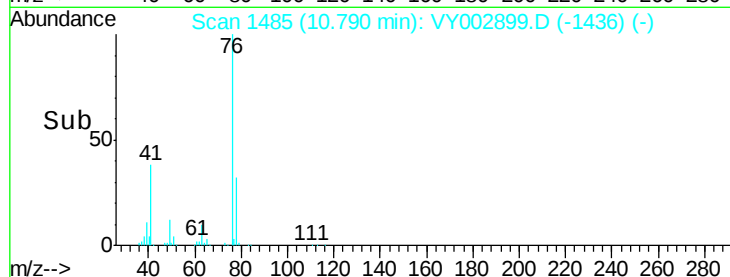
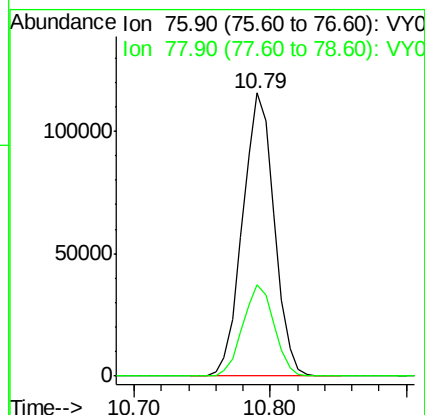
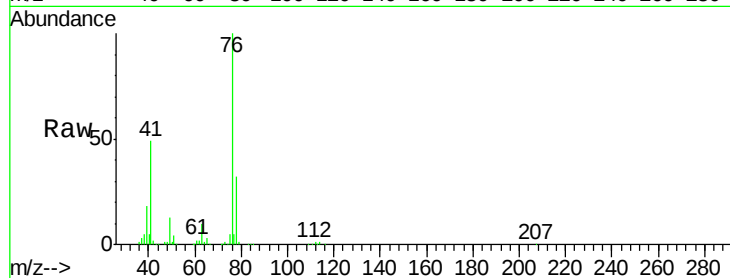
78 32.3 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 262.106 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY002899.D

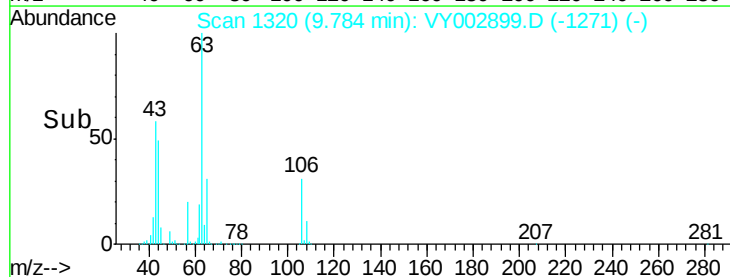
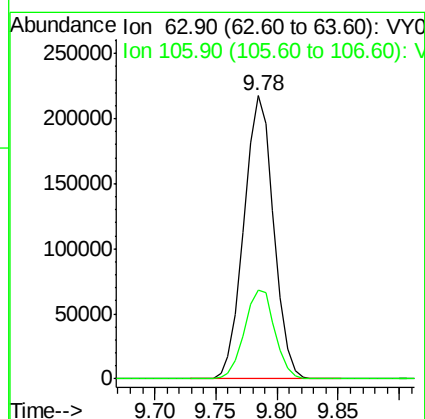
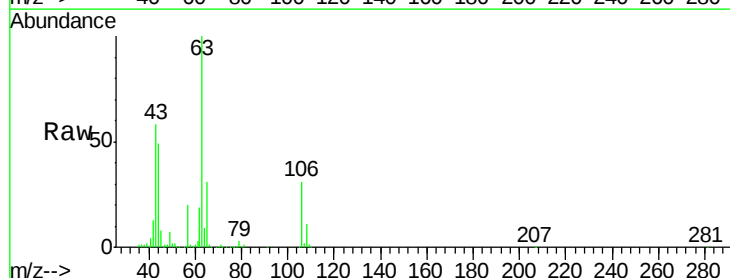
Acq: 15 Jun 2020 16:31

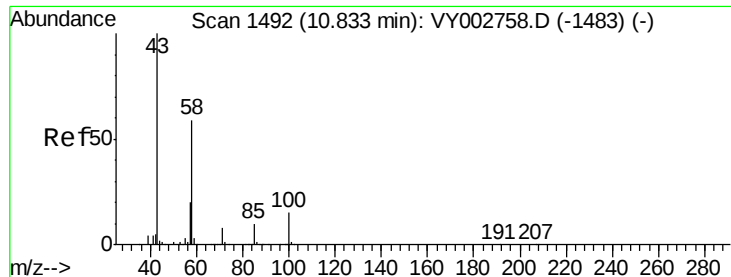
Tgt Ion: 63 Resp: 366280

Ion Ratio Lower Upper

63 100

106 32.1 25.4 38.2





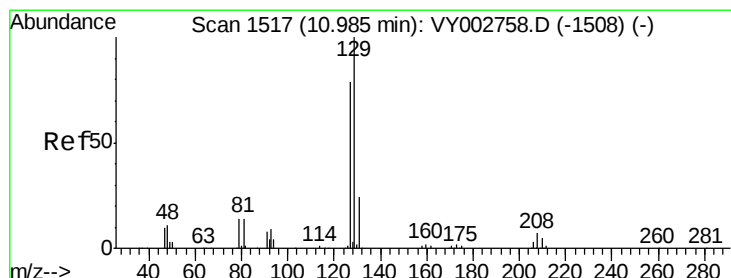
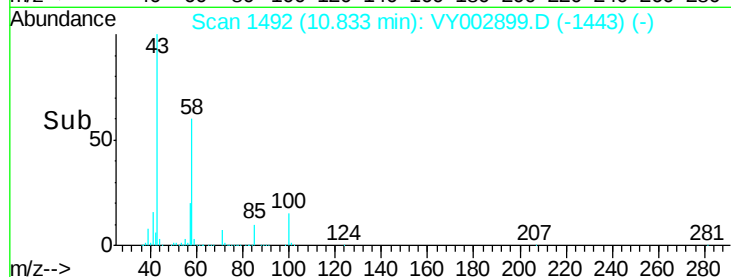
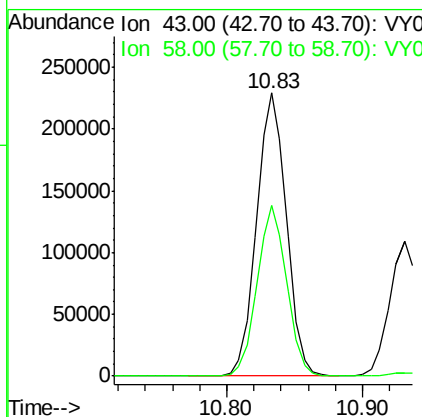
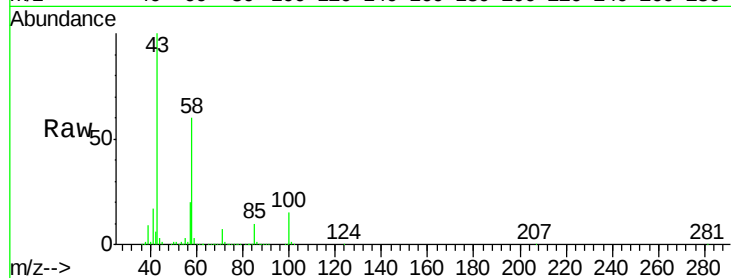
#59
2-Hexanone
Concen: 275.060 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.7	29.5	88.5

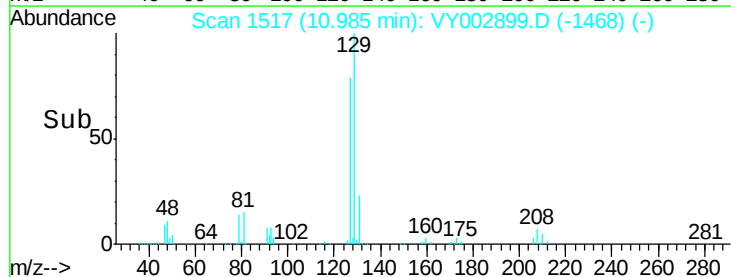
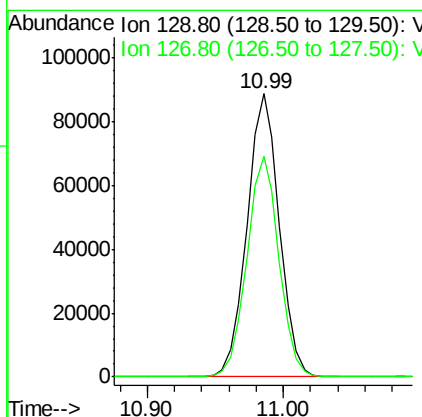
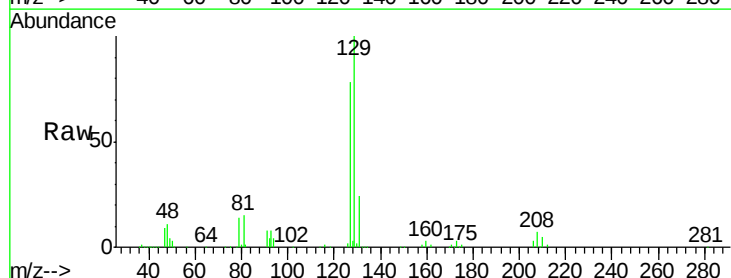
Manual Integrations
APPROVED

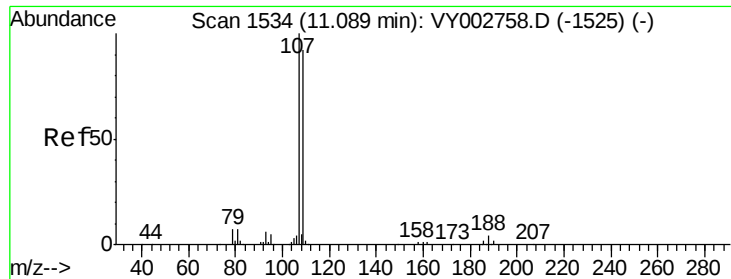
MMDadoda
6/16/2020 3:22:44 PM



#60
Dibromochloromethane
Concen: 54.296 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.3





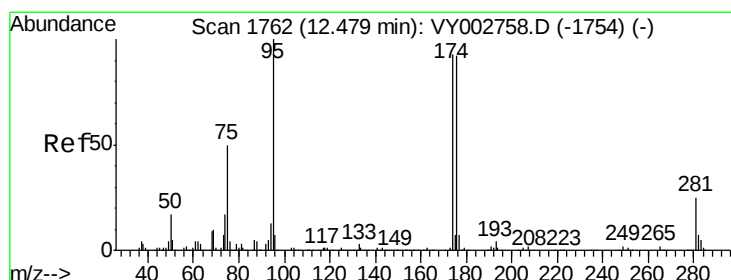
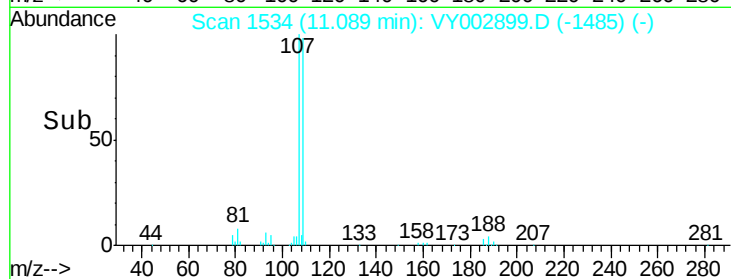
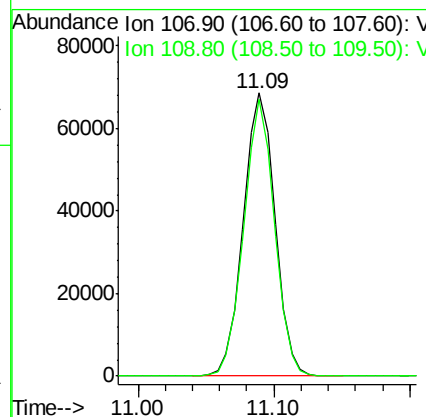
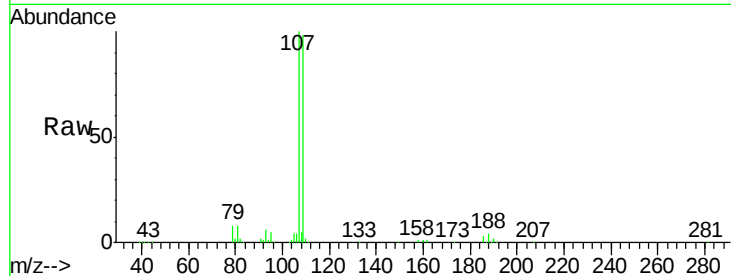
#61
 1,2-Dibromoethane
 Concen: 53.107 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.6	113.4

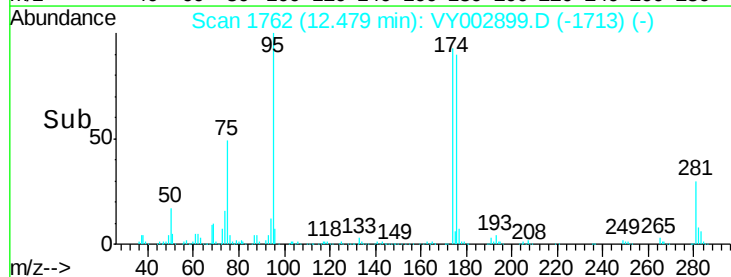
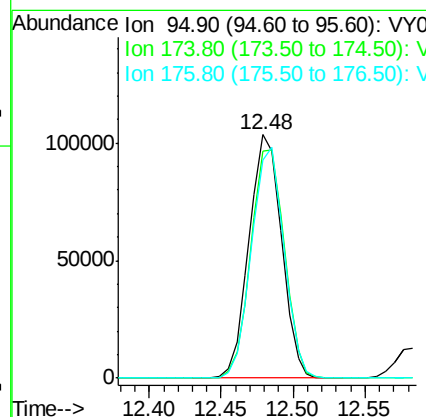
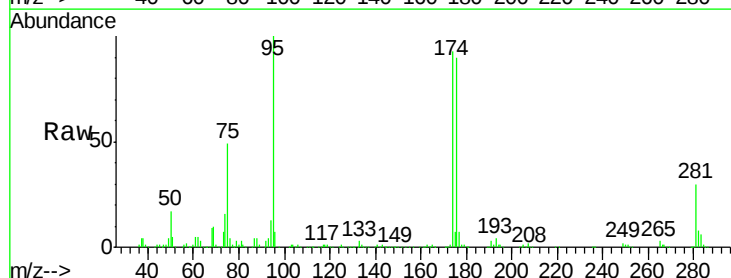
Manual Integrations
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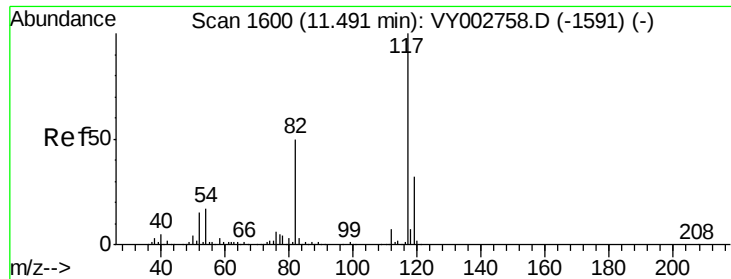
MMDadoda
 6/16/2020 3:22:44 PM



#62
 4-Bromofluorobenzene
 Concen: 50.752 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	191.2
176	94.6	0.0	188.8





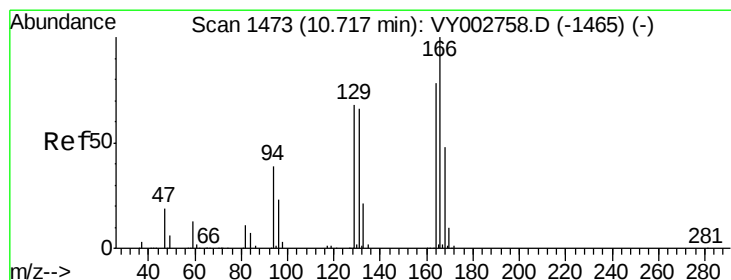
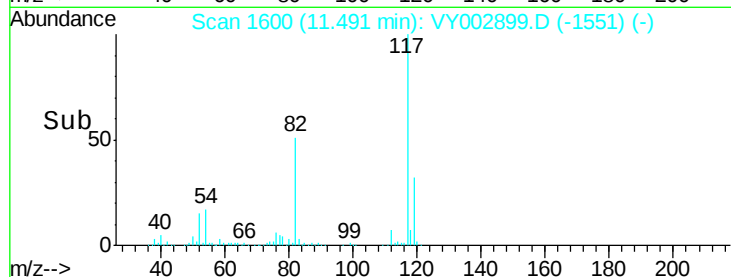
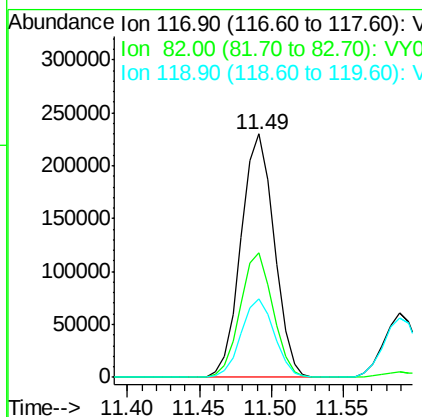
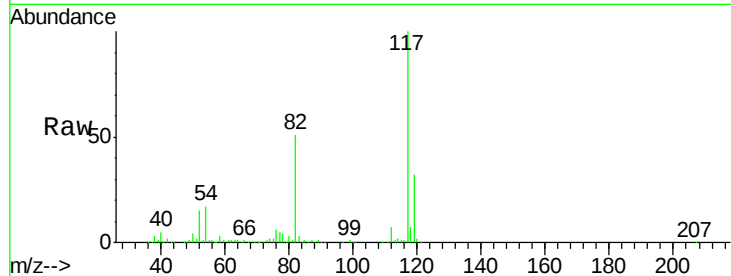
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	368635		
82	51.2		40.2	60.4
119	32.2		25.8	38.8

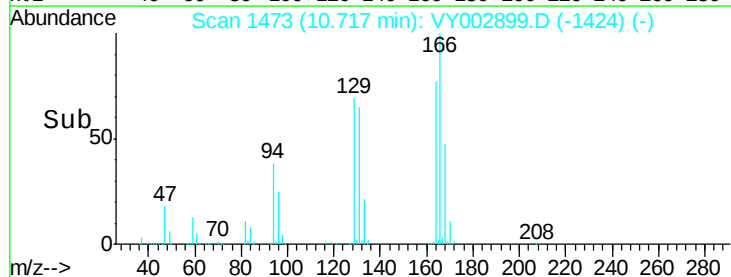
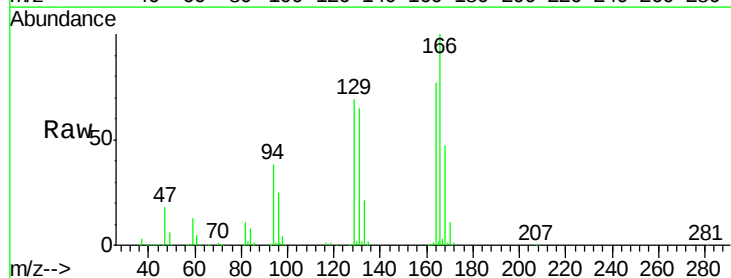
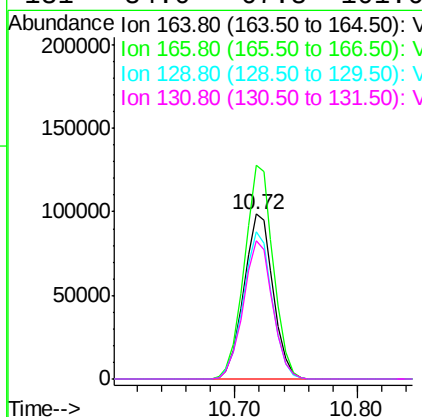
Manual Integrations
APPROVED

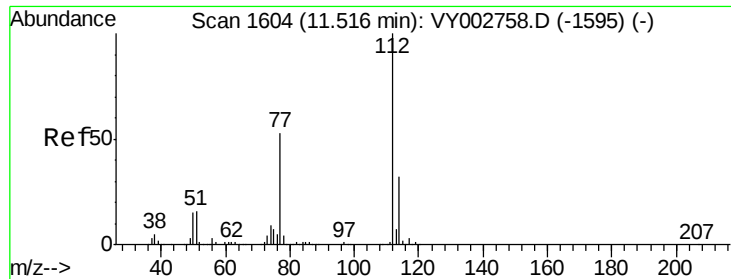
MMDadoda
6/16/2020 3:22:44 PM



#64
Tetrachloroethene
Concen: 48.829 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	163595		
166	129.4		102.3	153.5
129	89.5		69.4	104.2
131	84.0		67.8	101.6





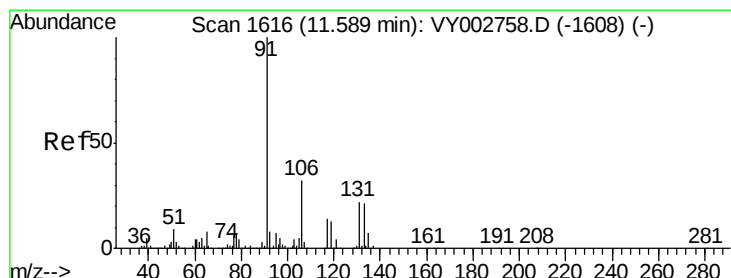
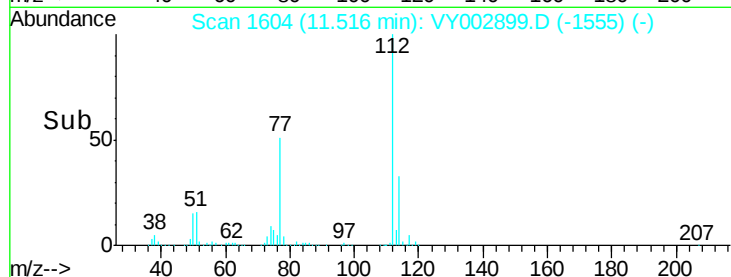
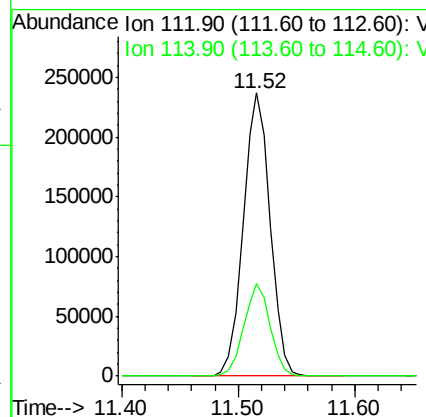
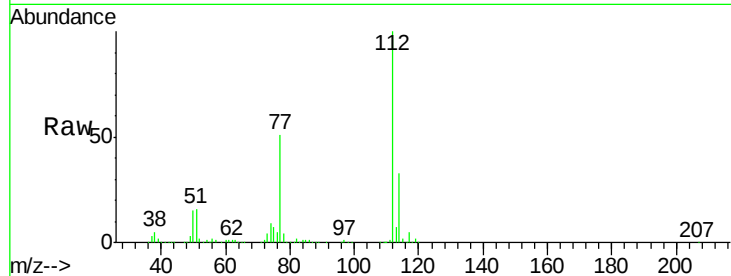
#65
Chlorobenzene
Concen: 52.034 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.7	38.5

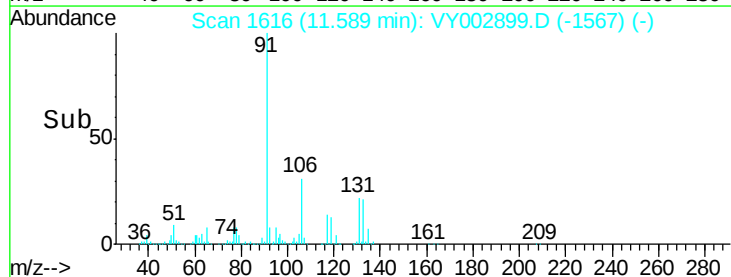
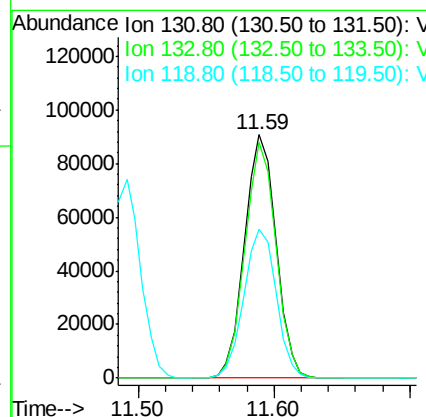
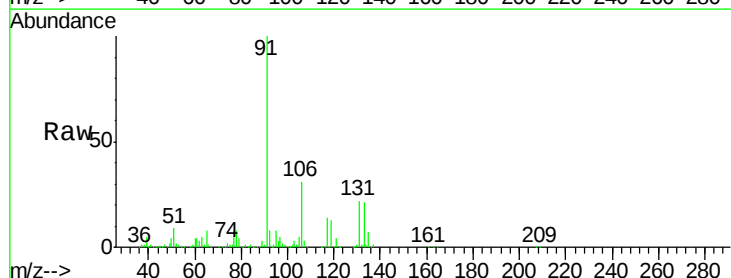
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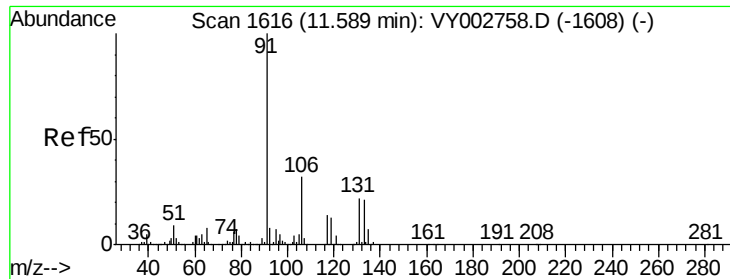
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.677 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.6	142.8
119	63.0	31.7	95.1





#67

Ethyl Benzene

Concen: 51.754 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 653720

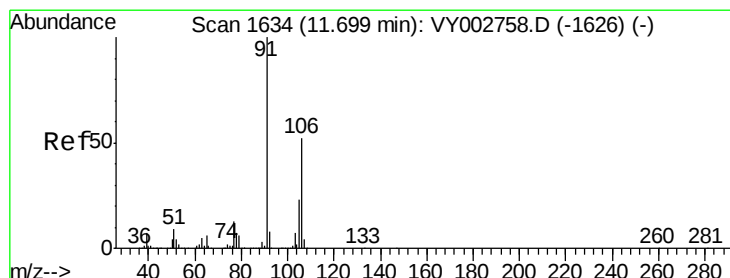
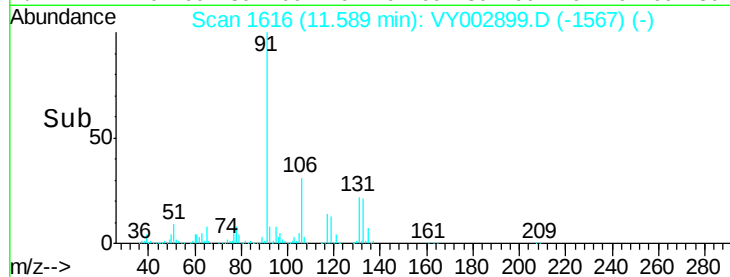
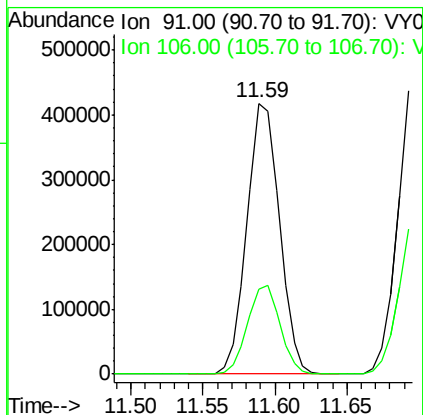
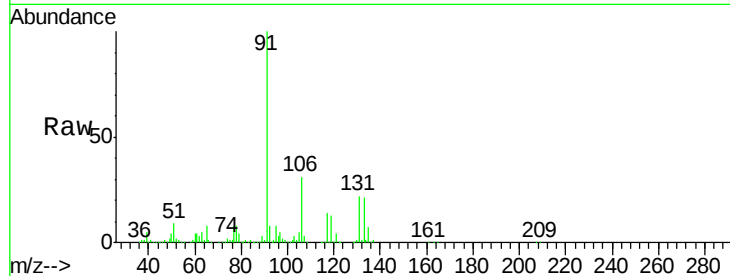
Ion Ratio Lower Upper

91 100

106 31.4 25.7 38.5

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#68

m/p-Xylenes

Concen: 104.369 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY002899.D

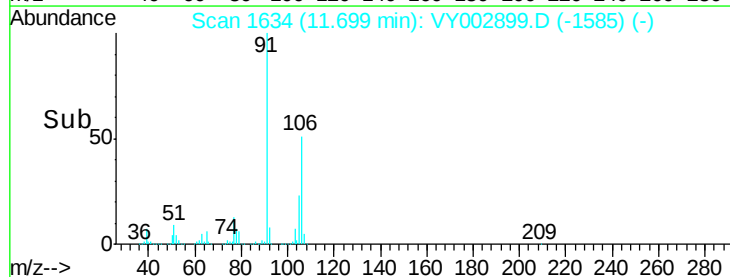
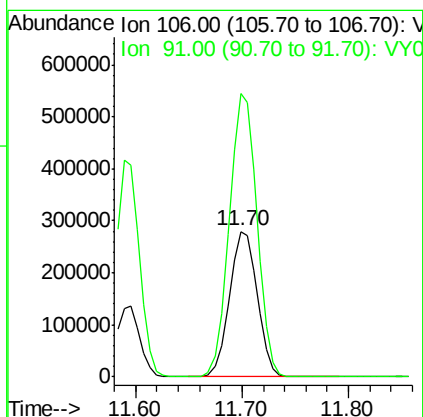
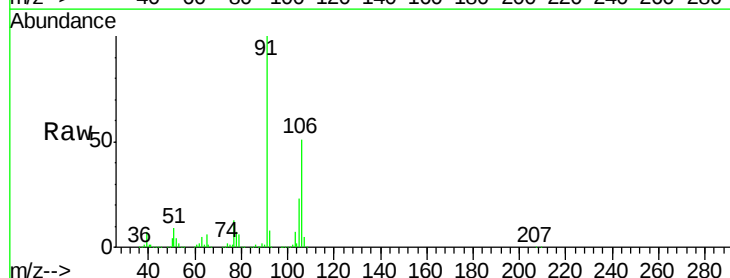
Acq: 15 Jun 2020 16:31

Tgt Ion: 106 Resp: 511135

Ion Ratio Lower Upper

106 100

91 194.2 156.0 234.0





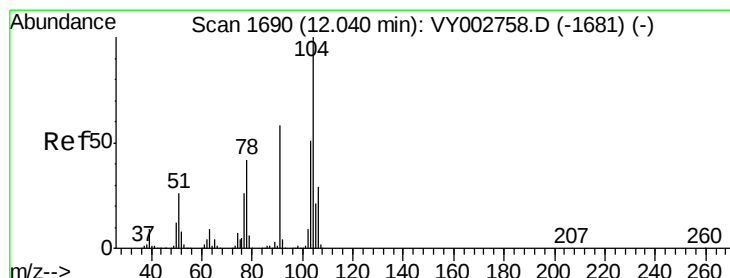
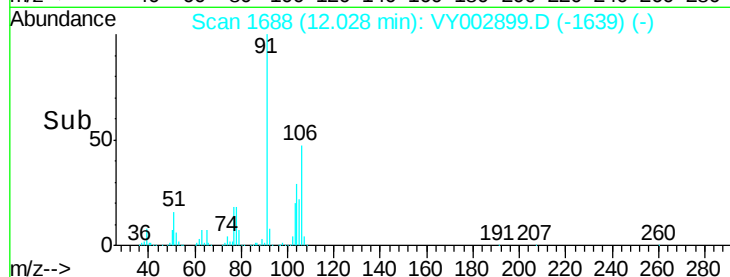
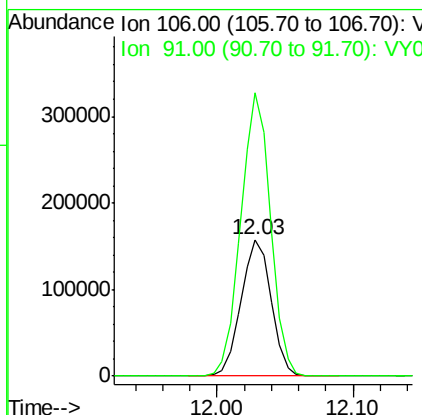
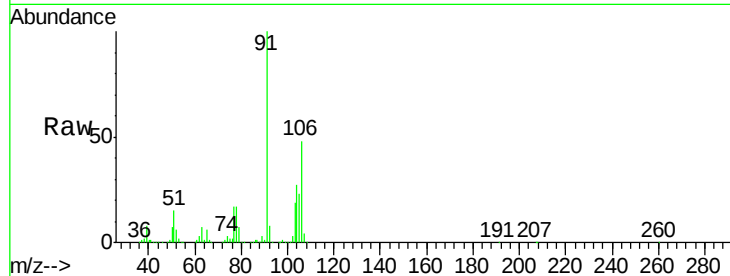
#69
o-Xylene
Concen: 52.794 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	204.3	102.4	307.1

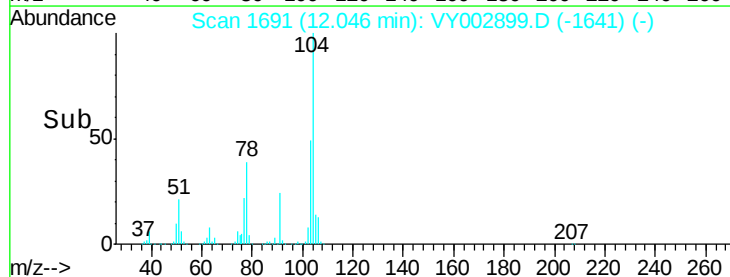
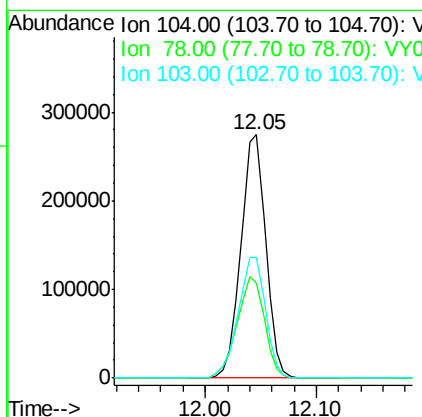
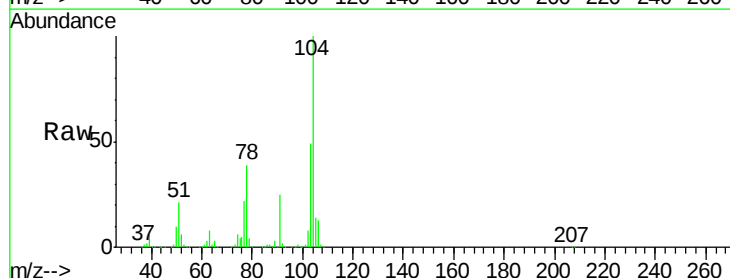
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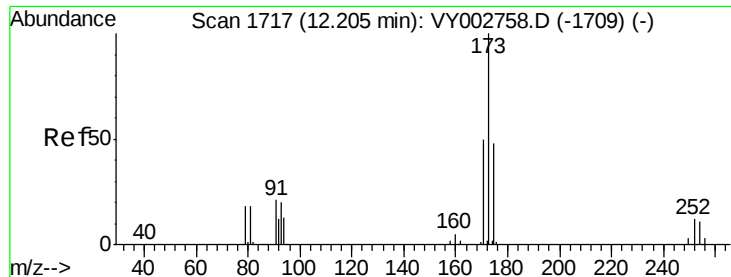
MMDadoda
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#70
Styrene
Concen: 53.165 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	45.7	36.2	54.4
103	103	54.4	43.6	65.4





#71

Bromoform

Concen: 55.243 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 101435

Ion Ratio Lower Upper

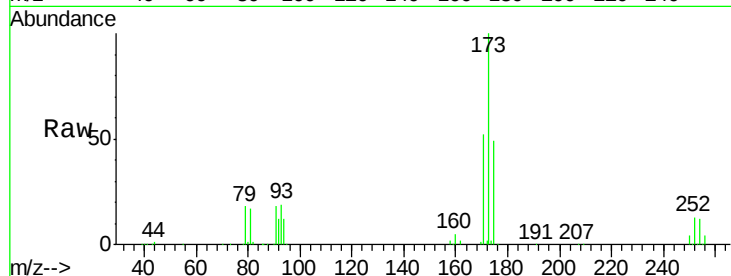
173 100

175 49.2 24.3 72.8

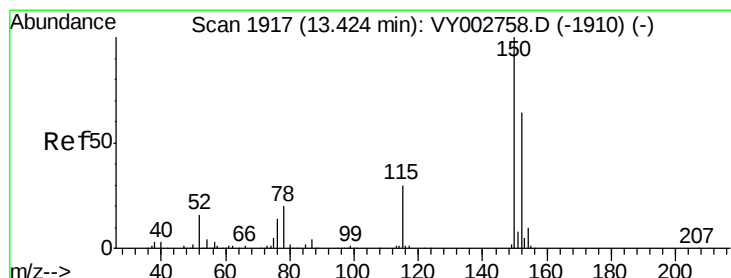
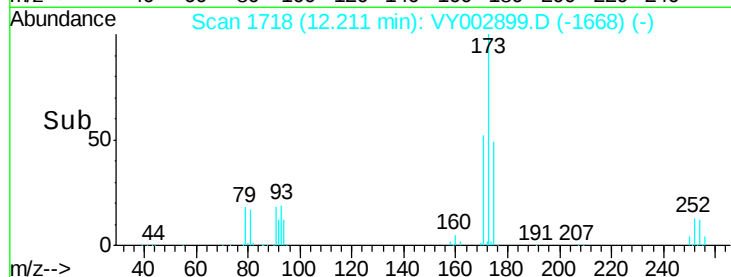
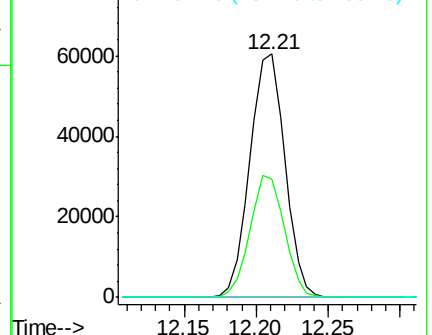
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

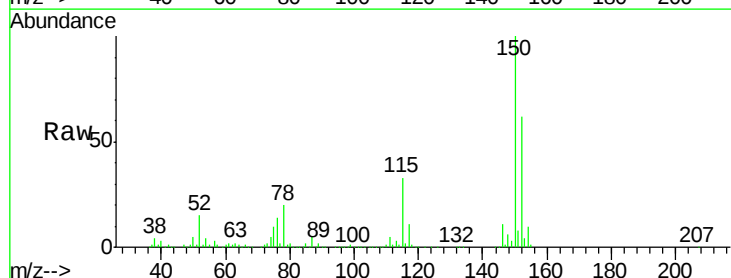
Tgt Ion:152 Resp: 204493

Ion Ratio Lower Upper

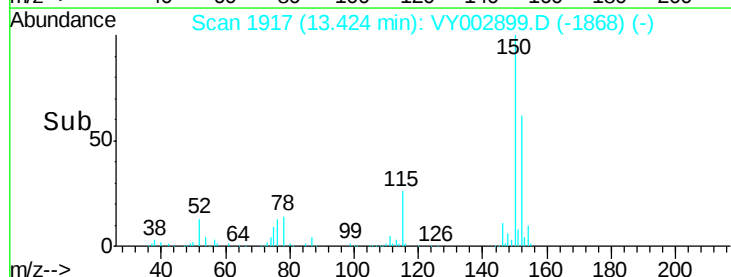
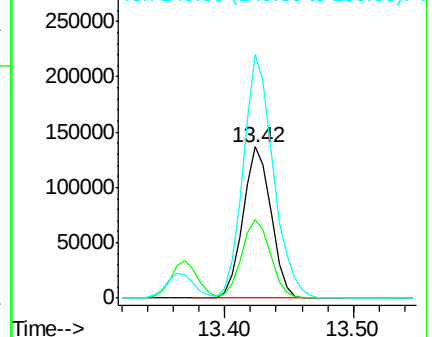
152 100

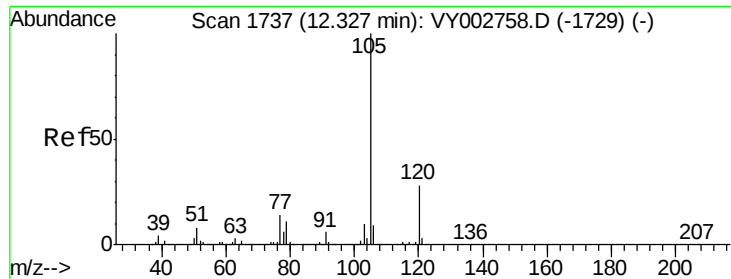
115 53.3 27.0 81.0

150 173.5 0.0 344.8



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





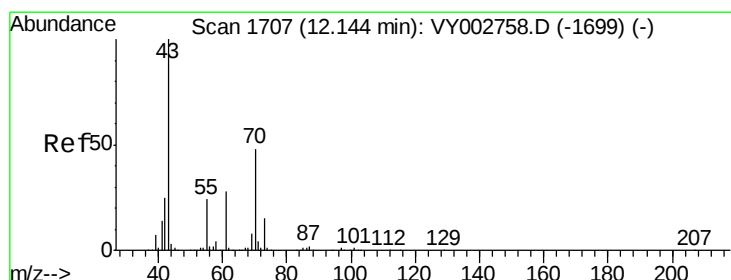
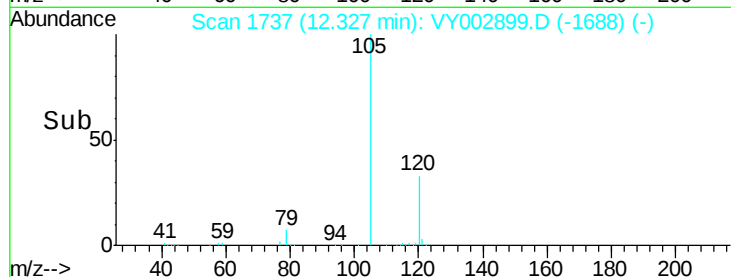
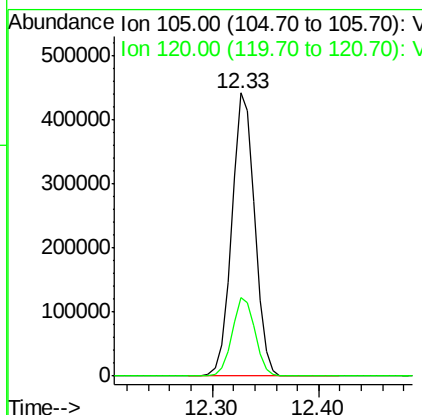
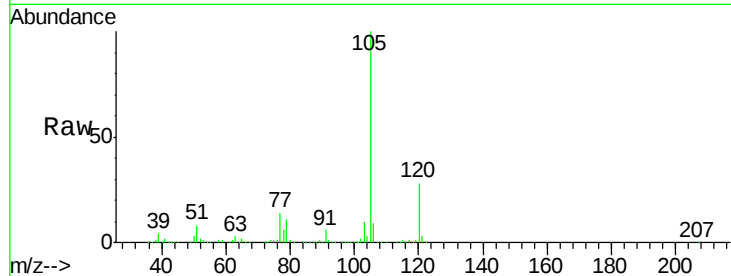
#73
Isopropylbenzene
Concen: 50.801 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 665739
Ion Ratio Lower Upper
105 100
120 27.8 13.7 41.1

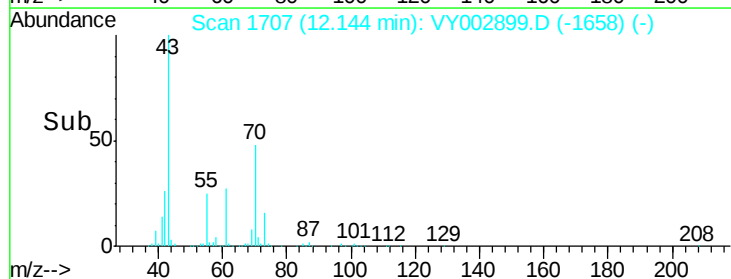
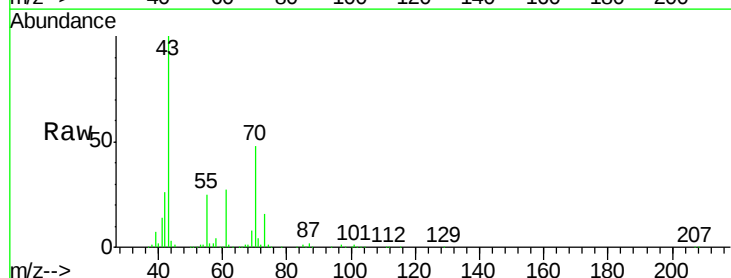
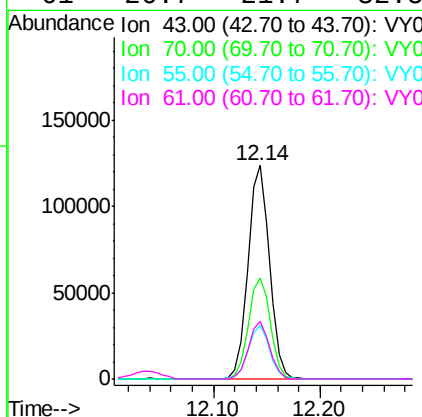
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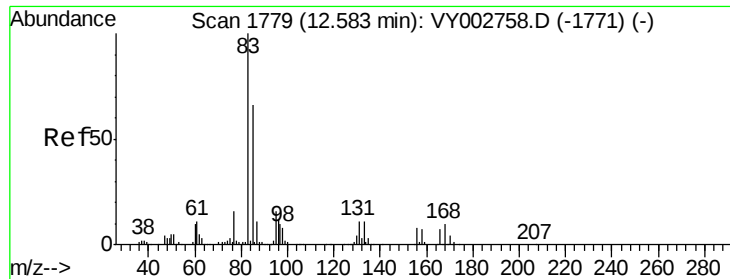
MMDadoda
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#74
N-ethyl acetate
Concen: 51.951 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion: 43 Resp: 174684
Ion Ratio Lower Upper
43 100
70 48.3 37.7 56.5
55 25.1 19.8 29.6
61 26.7 21.7 32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.487 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

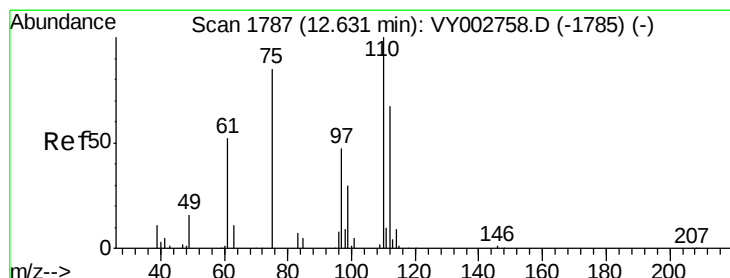
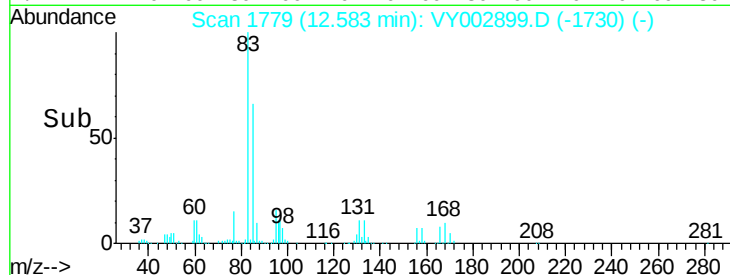
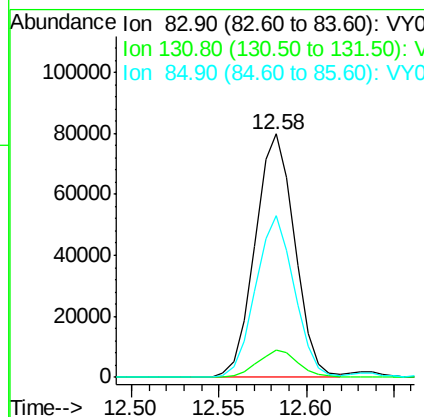
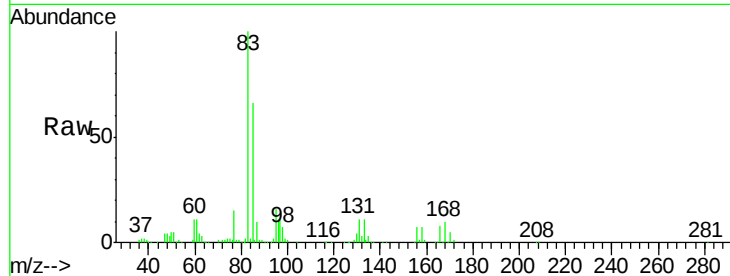
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	125283
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	64.8	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 53.180 ug/l m

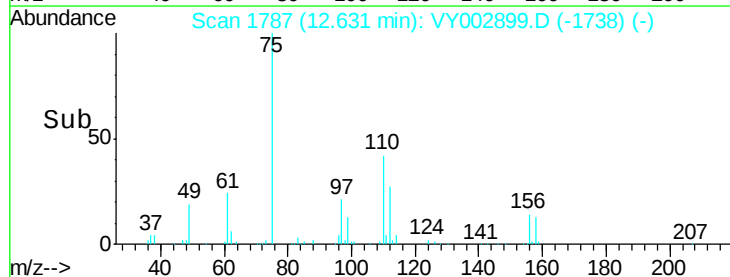
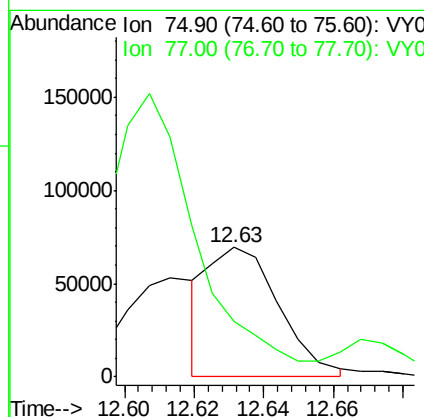
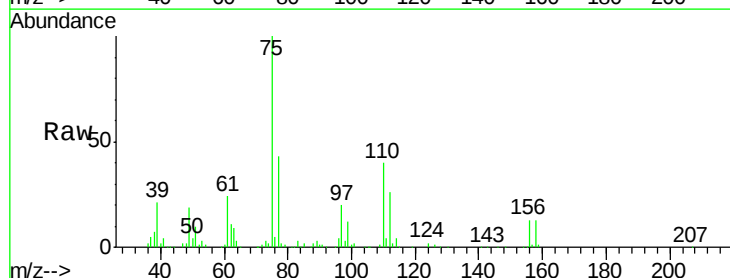
RT: 12.63 min Scan# 1787

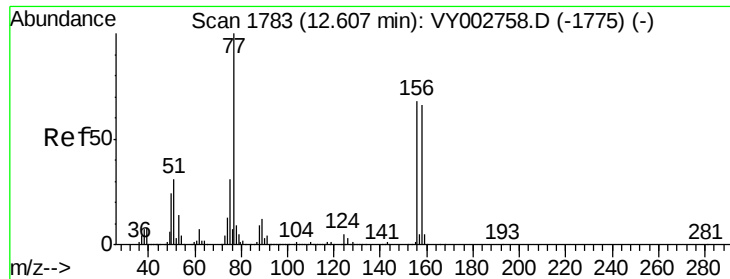
Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Tgt Ion:	75	Resp:	97990
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.596 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

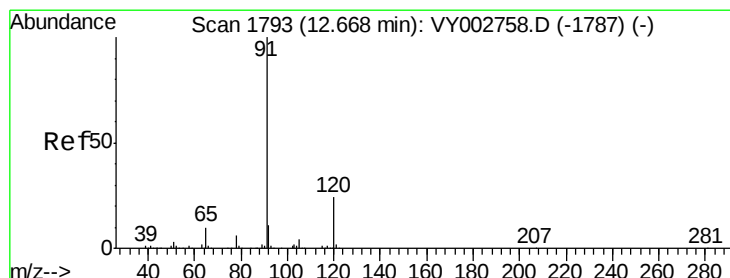
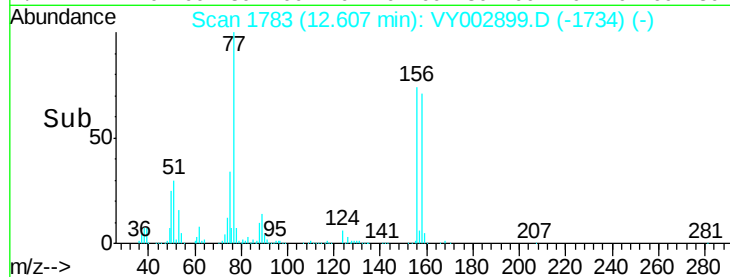
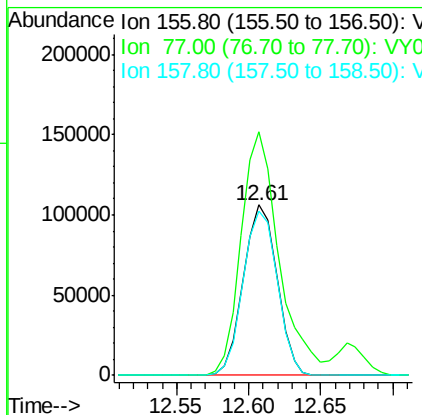
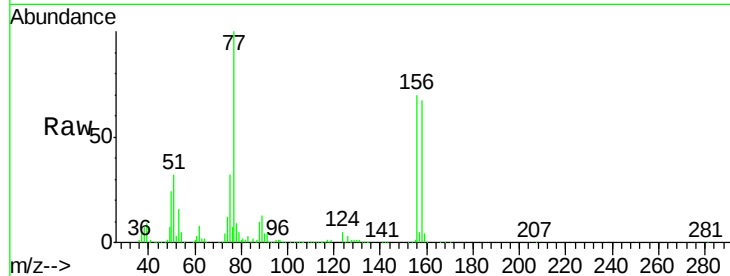
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	172649
Ion Ratio	Lower	Upper	
156	100		
77	160.9	81.4	244.2
158	97.9	48.5	145.6

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#78

n-propylbenzene

Concen: 50.901 ug/l

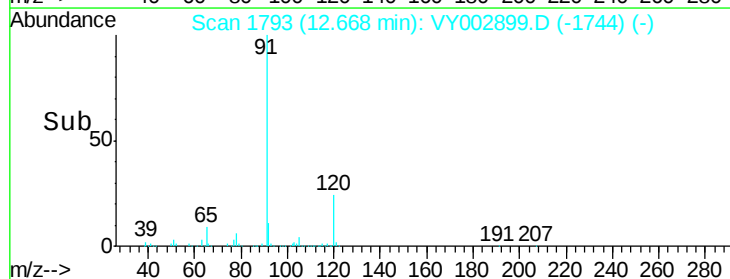
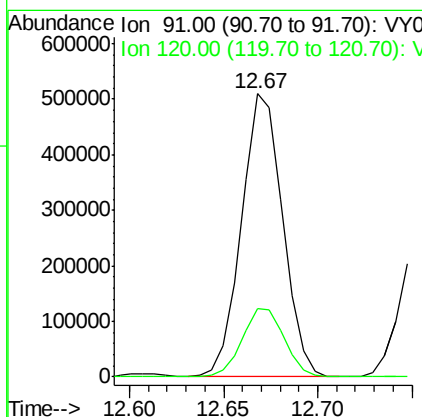
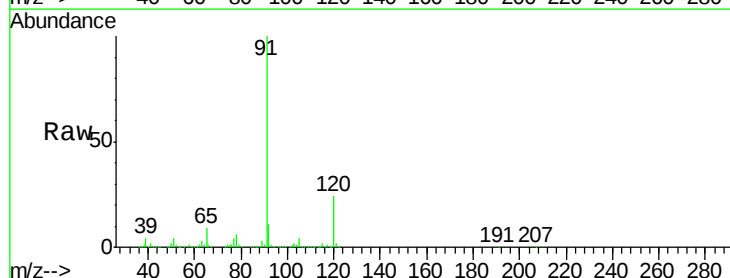
RT: 12.67 min Scan# 1793

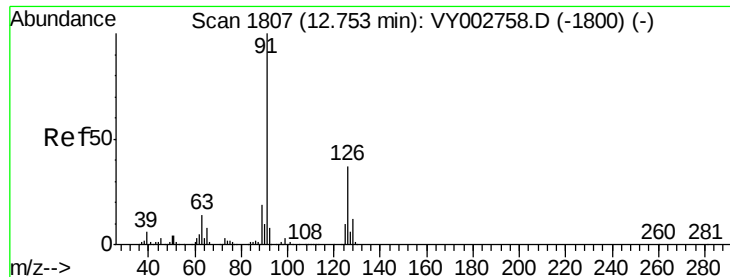
Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Tgt Ion:	91	Resp:	770517
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.3	36.9





#79

2-Chlorotoluene

Concen: 50.460 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 428475

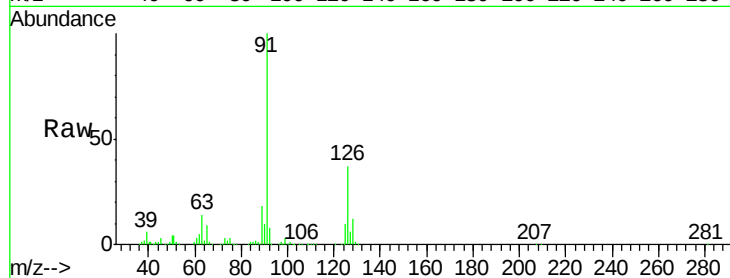
Ion Ratio Lower Upper

91 100

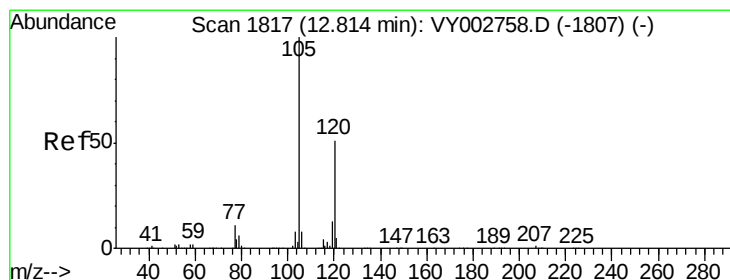
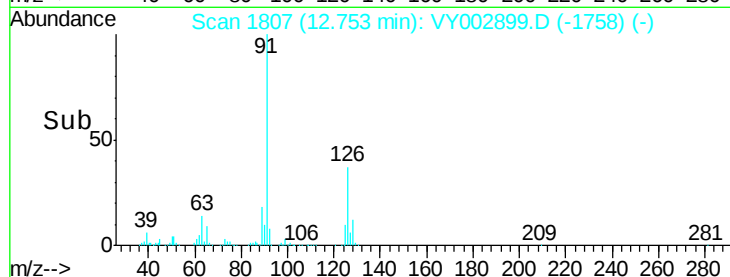
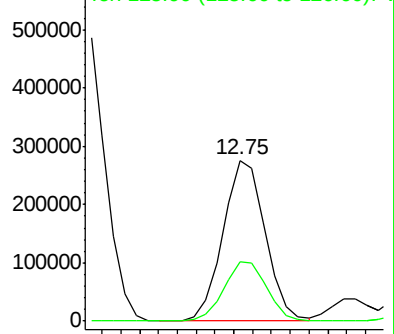
126 37.7 18.4 55.4

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Abundance Ion 91.00 (90.70 to 91.70): VY002899.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.392 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002899.D

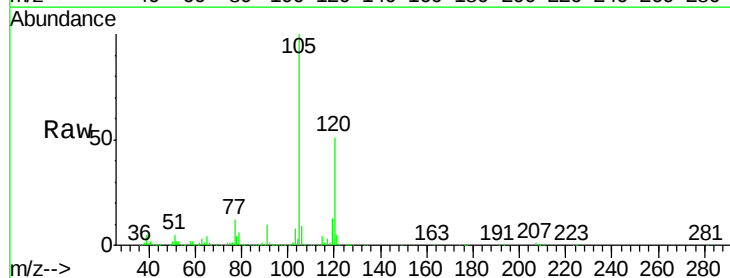
Acq: 15 Jun 2020 16:31

Tgt Ion: 105 Resp: 562327

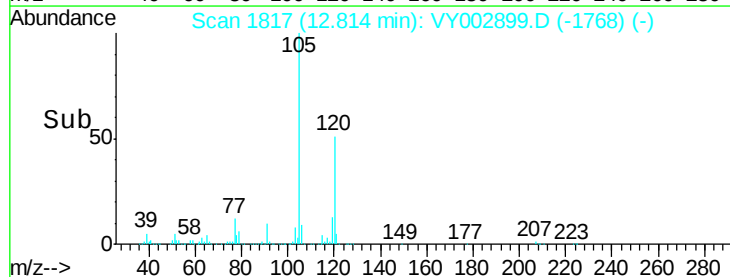
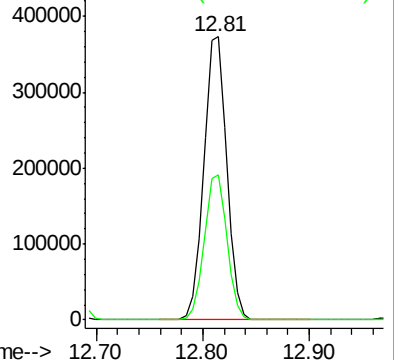
Ion Ratio Lower Upper

105 100

120 51.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002899.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.097 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.01 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

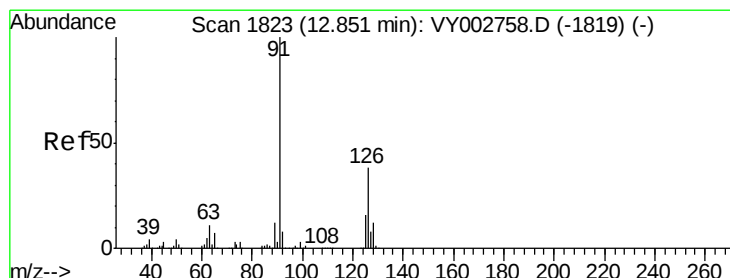
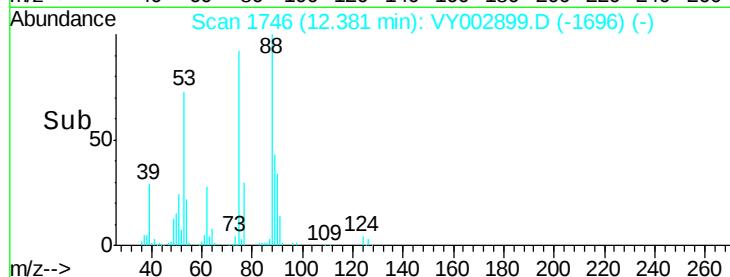
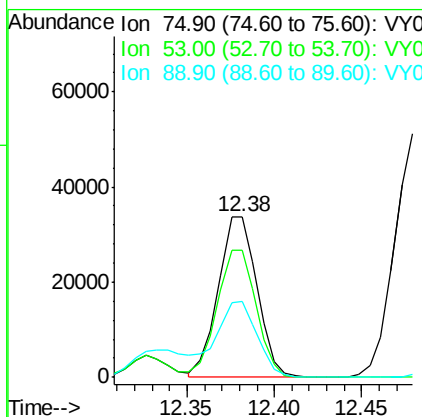
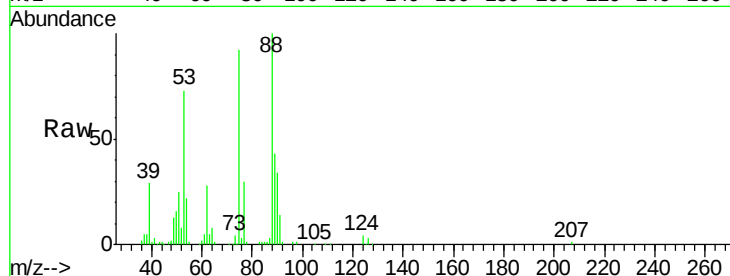
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	51931
Ion	Ratio	Lower	Upper
75	100		
53	79.2	64.0	96.0
89	50.8	37.4	56.2

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#82

4-Chlorotoluene

Concen: 50.896 ug/l

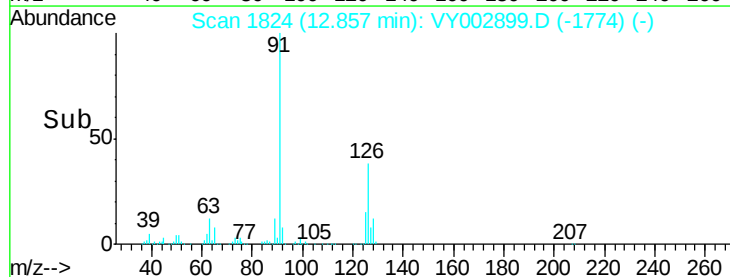
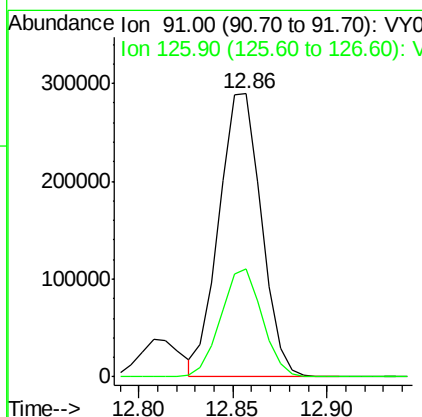
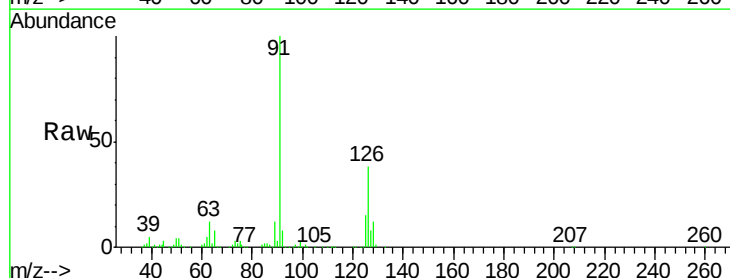
RT: 12.86 min Scan# 1824

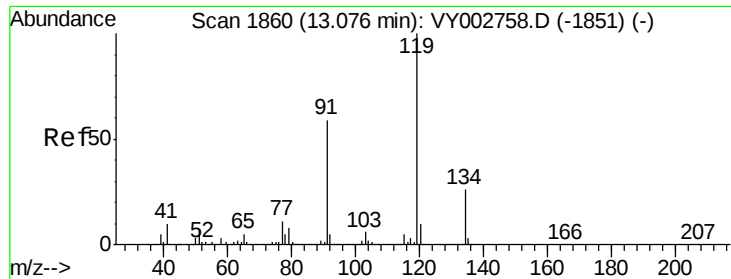
Delta R.T. 0.01 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Tgt Ion:	91	Resp:	452801
Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.5	55.5





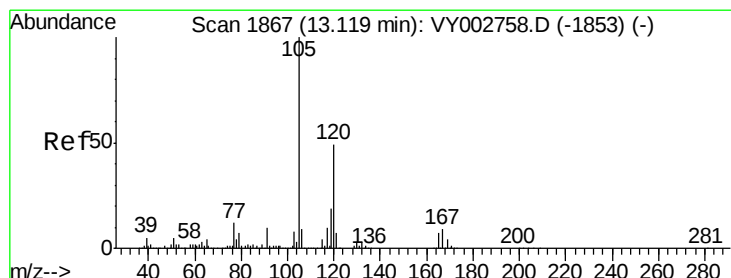
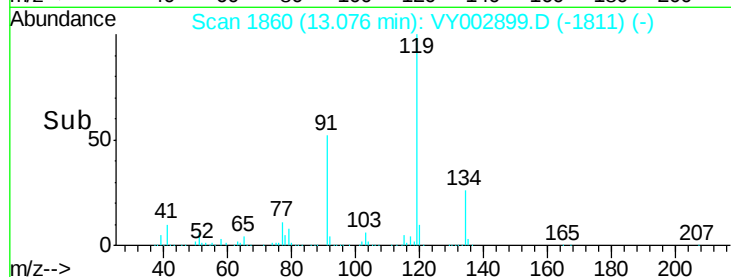
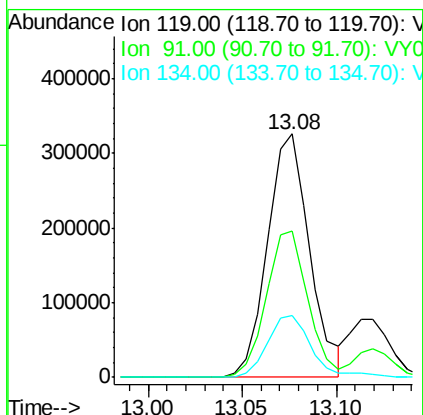
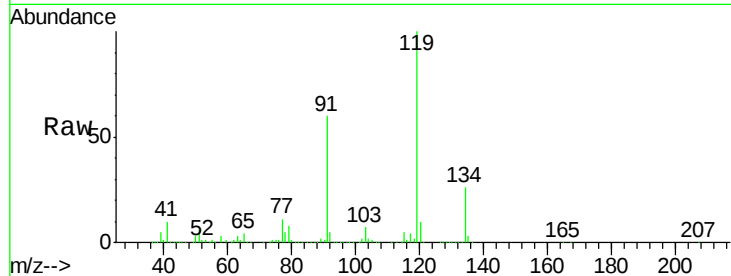
#83
 tert-Butylbenzene
 Concen: 51.753 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	505125		
91	59.3	29.8	89.4	
134	26.8	13.3	39.8	

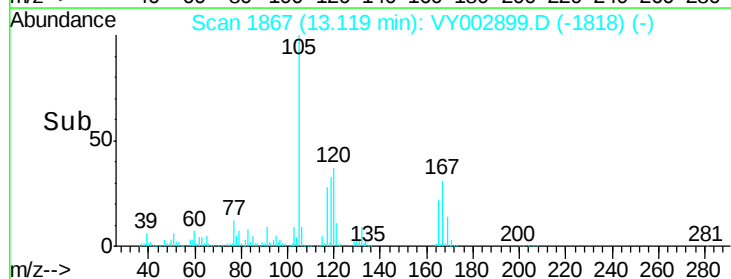
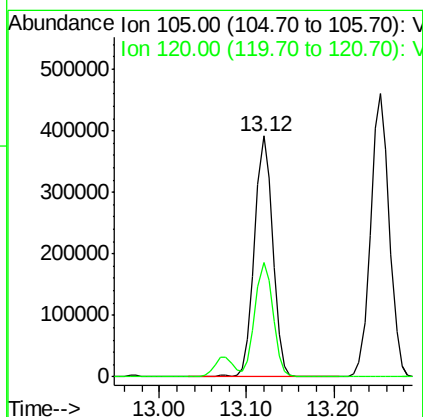
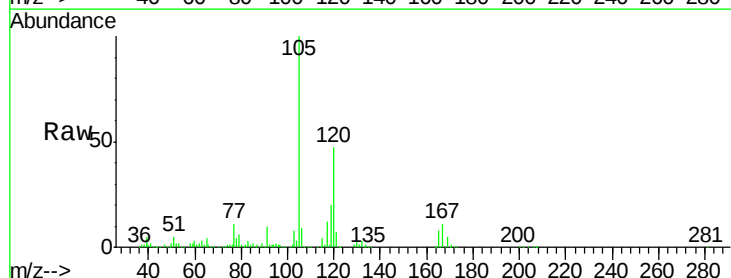
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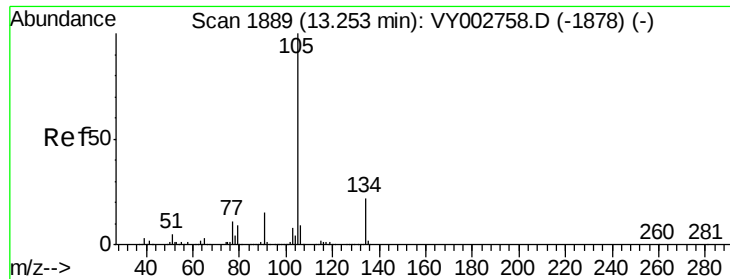
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.472 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	566301		
120	47.0	23.6	70.8	





#85

sec-Butylbenzene

Concen: 51.315 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 684820

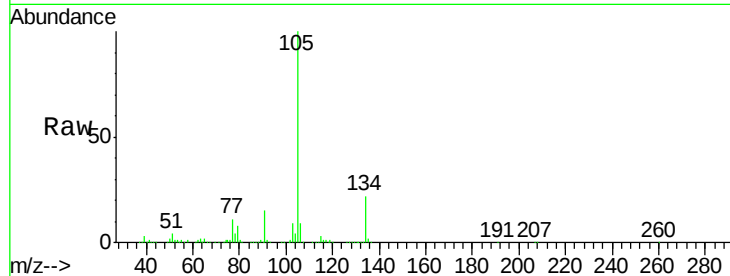
Ion Ratio Lower Upper

105 100

134 21.6 10.8 32.4

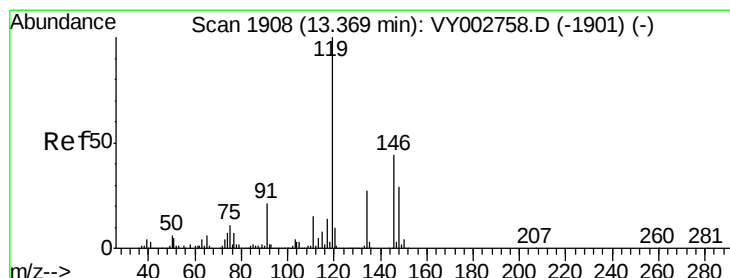
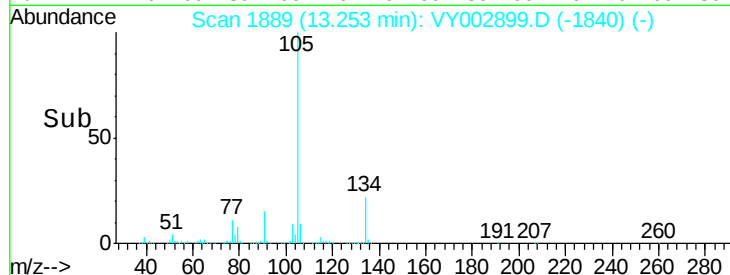
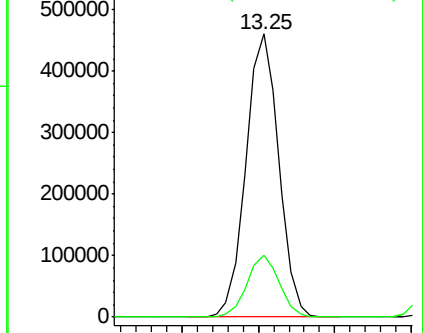
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.353 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002899.D

Acq: 15 Jun 2020 16:31

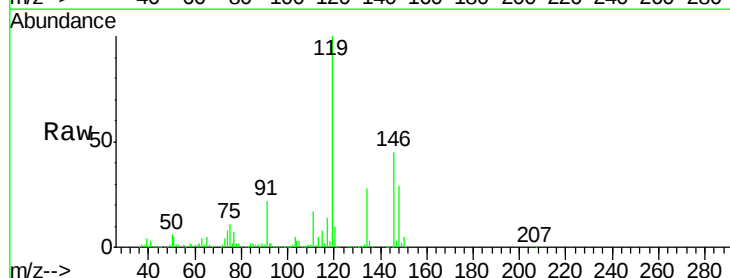
Tgt Ion:119 Resp: 650108

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

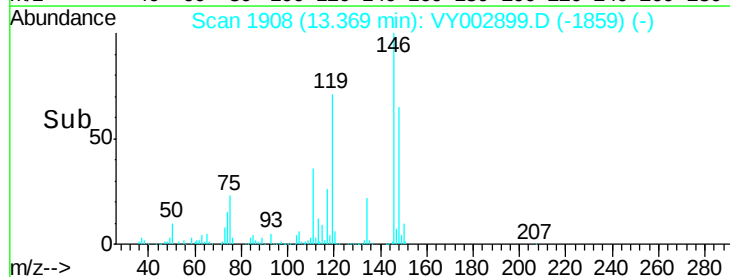
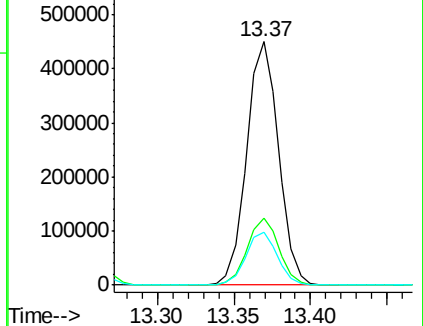
91 21.6 10.8 32.4

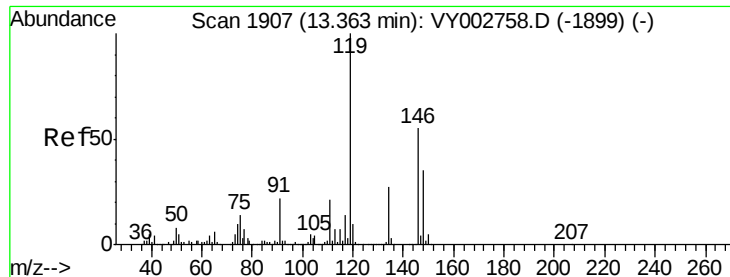


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





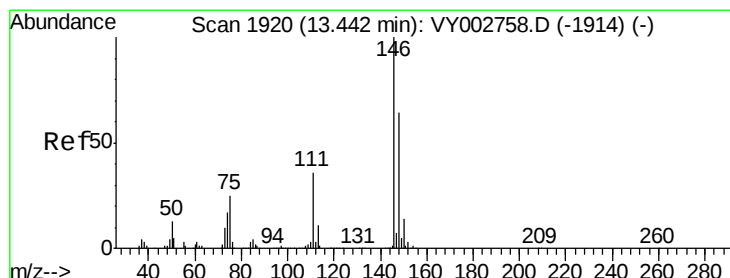
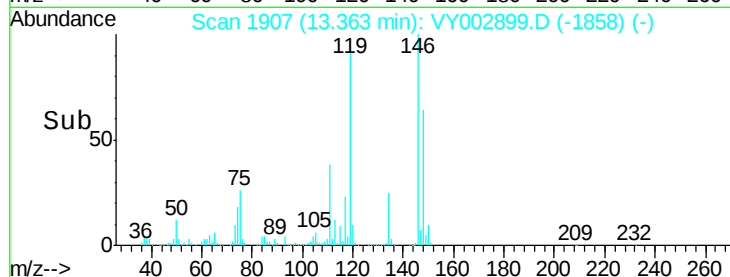
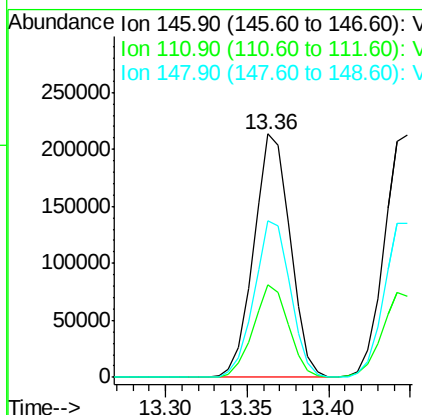
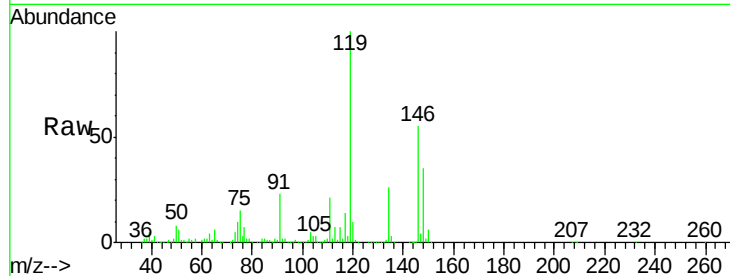
#87
 1,3-Dichlorobenzene
 Concen: 51.115 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.0
148	64.2	31.9	95.7

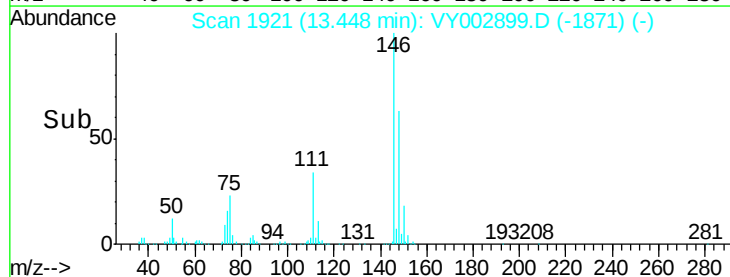
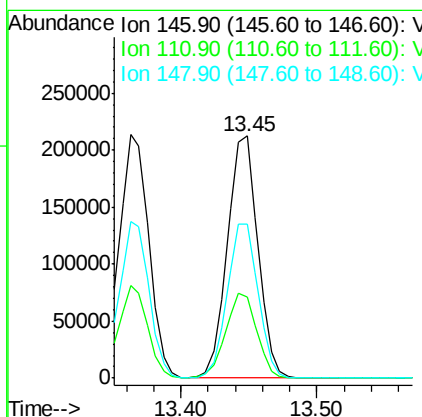
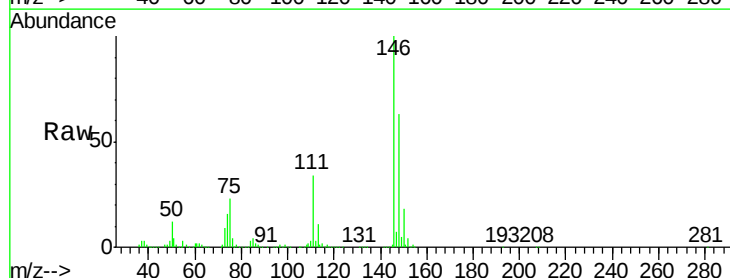
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#88
 1,4-Dichlorobenzene
 Concen: 51.186 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.3
148	64.5	32.1	96.3





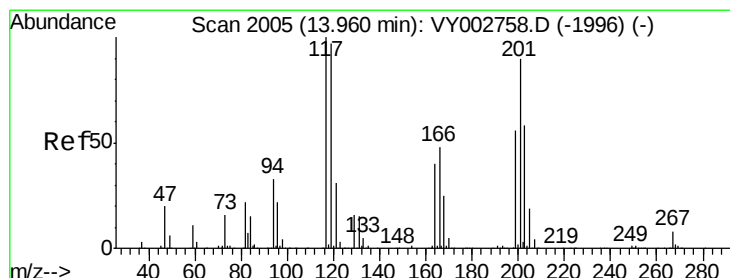
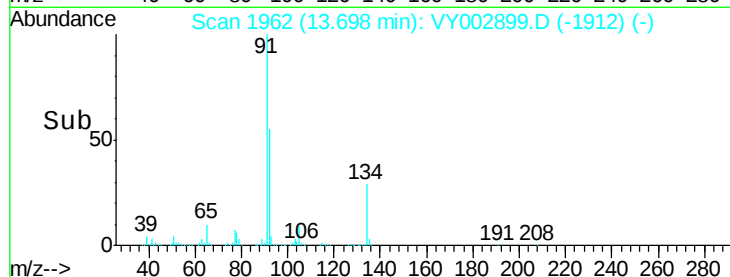
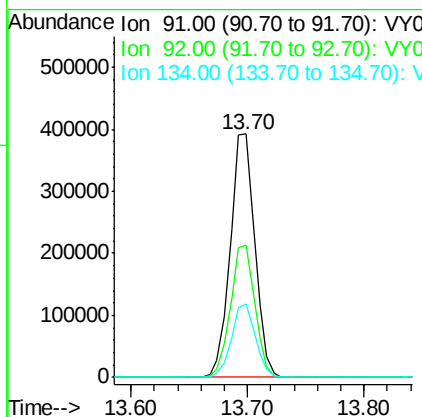
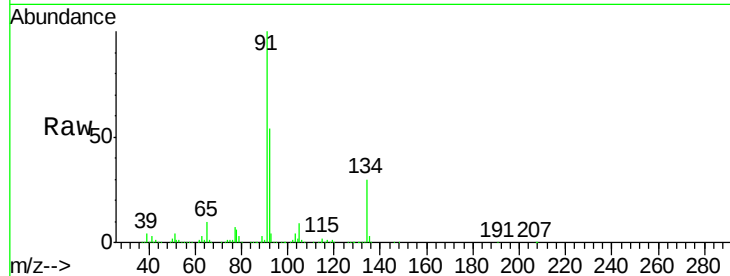
#89
n-Butylbenzene
Concen: 51.236 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	29.4	14.3	42.9

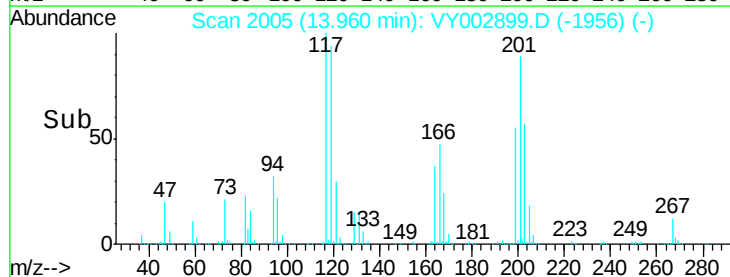
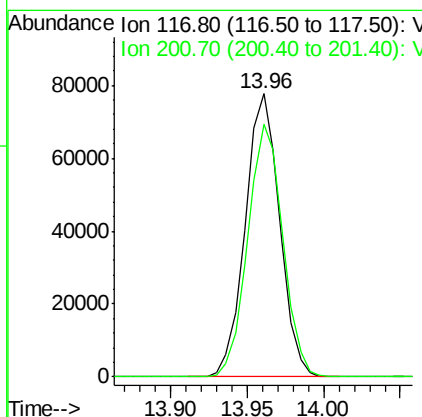
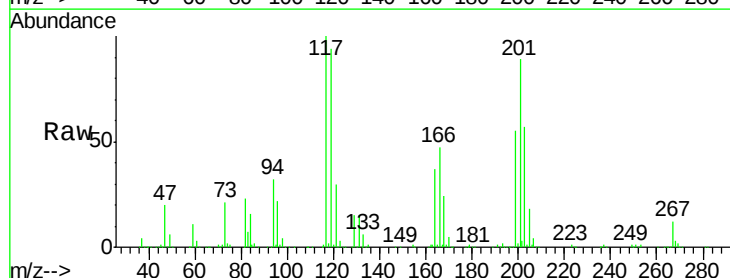
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#90
Hexachloroethane
Concen: 52.226 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	43.9	131.6





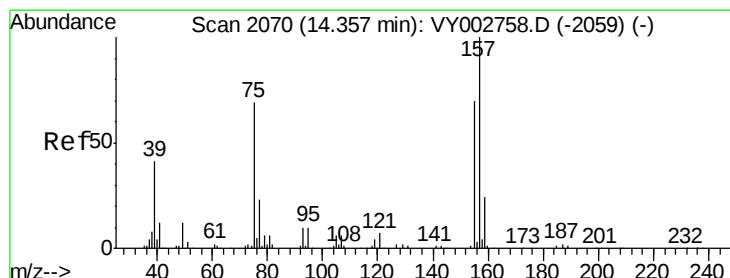
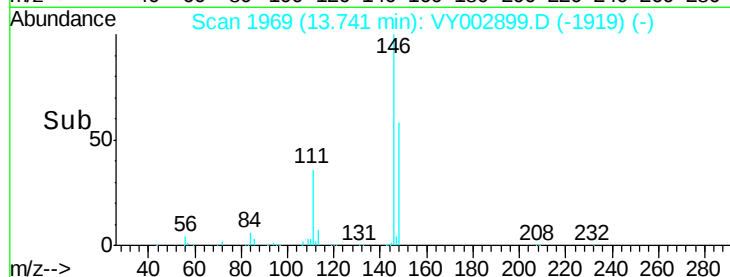
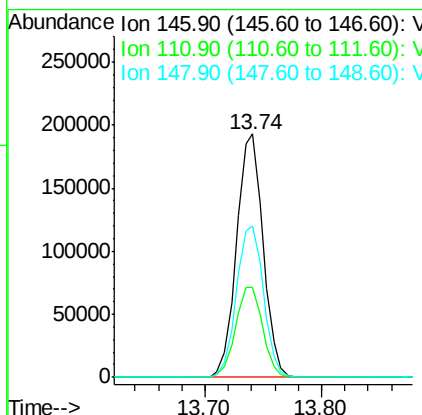
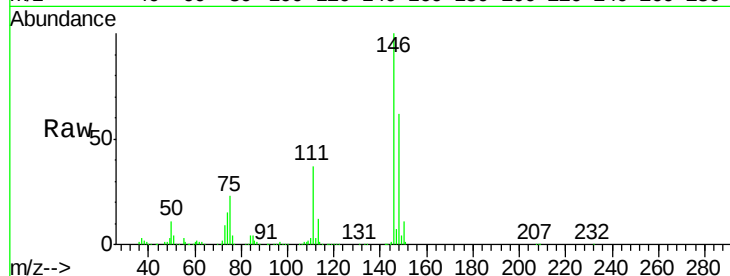
#91
 1,2-Dichlorobenzene
 Concen: 52.088 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.8	31.9	95.5

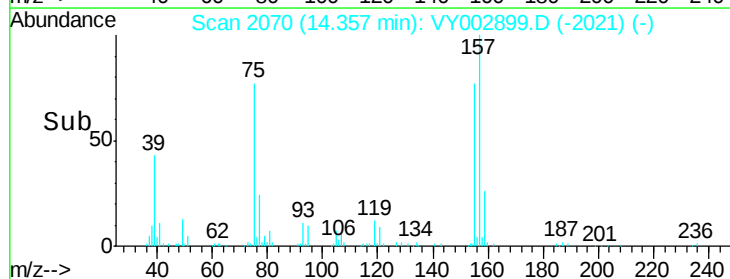
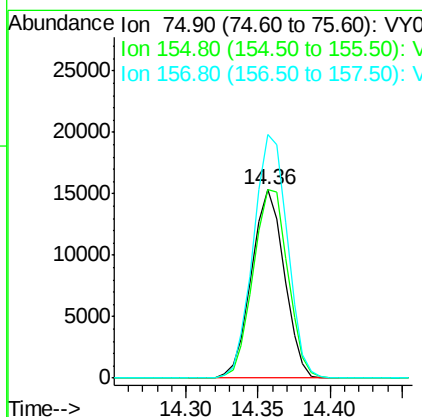
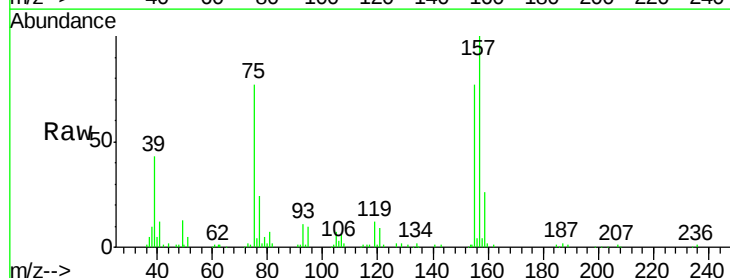
Manual Integrations
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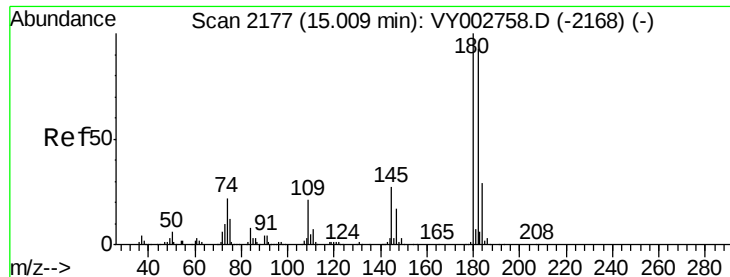
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.638 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.5	53.5	160.5
157	133.7	69.9	209.7





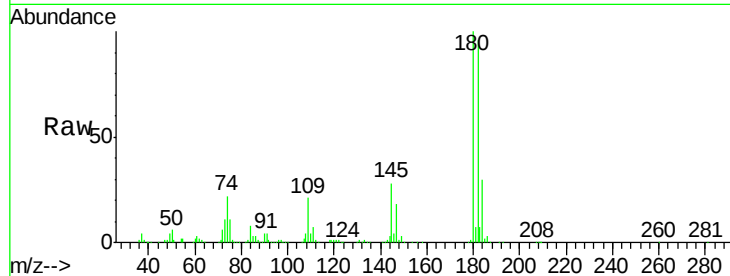
#93
 1,2,4-Trichlorobenzene
 Concen: 52.053 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

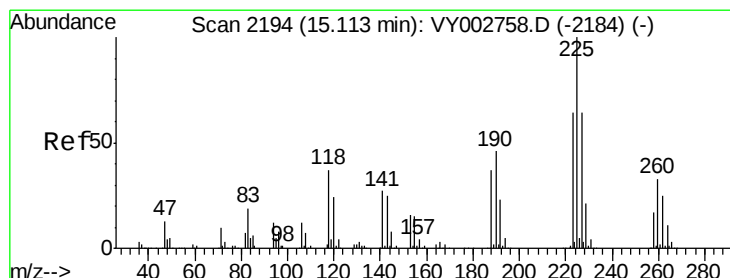
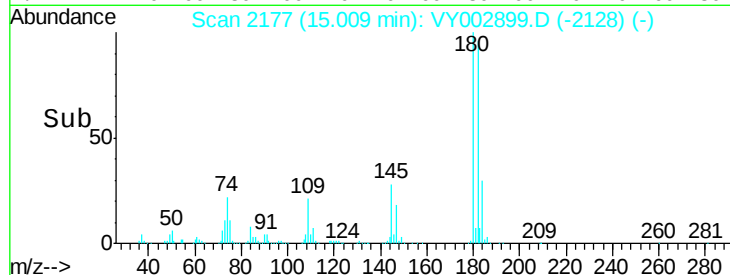
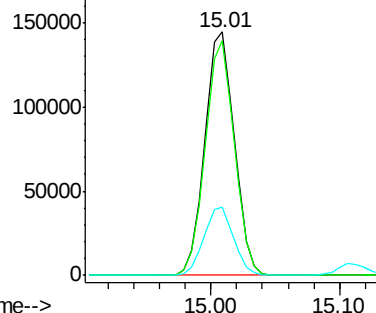
Tot Ion:	180	Resp:	229986
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	141.9
145	28.2	14.1	42.3

Manual Integrations
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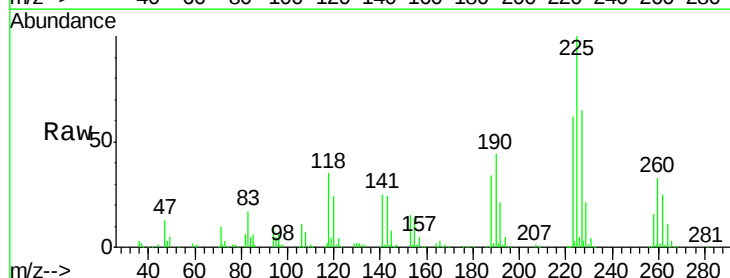


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

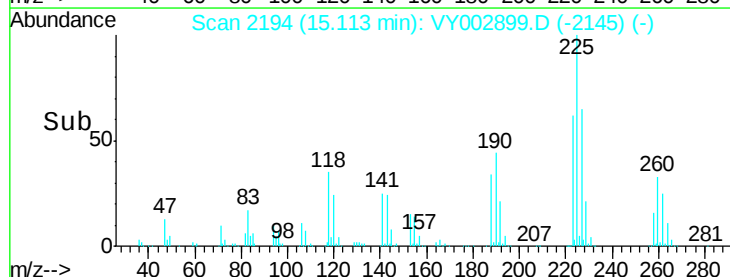
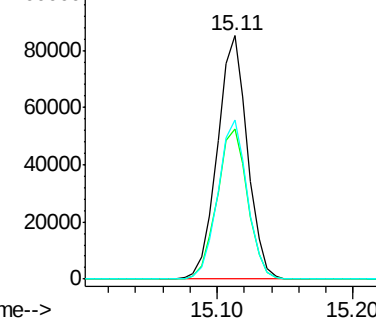


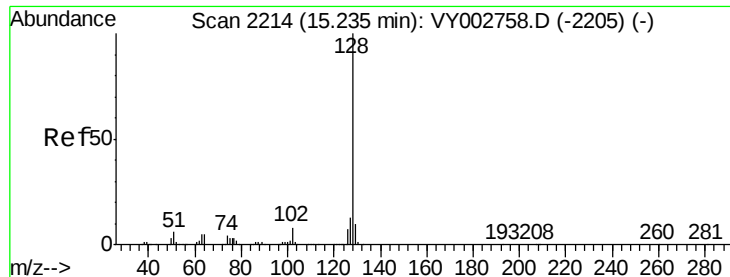
#94
 Hexachlorobutadiene
 Concen: 52.241 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY002899.D
 Acq: 15 Jun 2020 16:31

Tgt Ion:	225	Resp:	130916
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.6	95.0
227	64.5	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





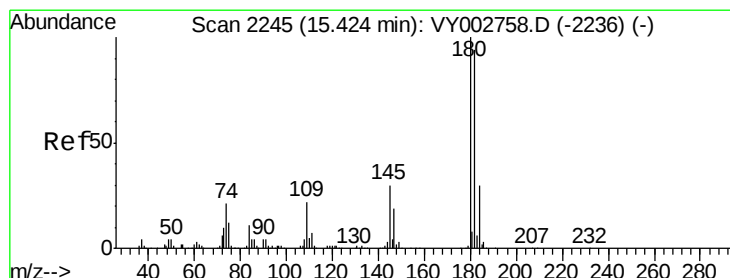
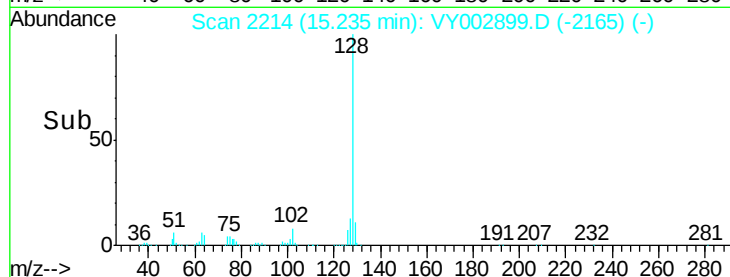
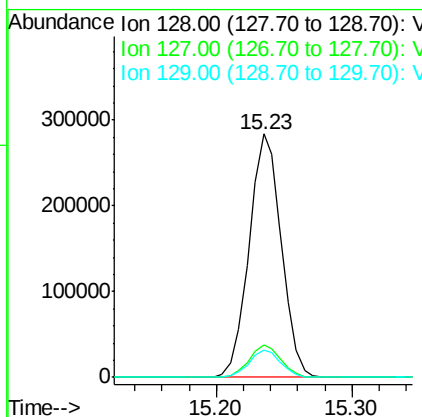
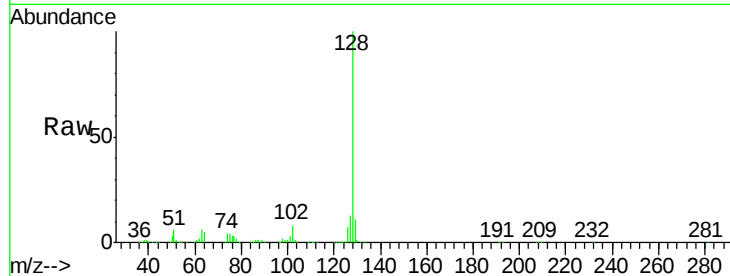
#95
Naphthalene
Concen: 53.095 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/16/2020 3:22:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.233 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY002899.D
Acq: 15 Jun 2020 16:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.4
145	30.3	15.1	45.3

