

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061520\
 Data File : VY002892.D
 Acq On : 15 Jun 2020 09:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/16/2020 3:22:39 PM

Quant Time: Jun 16 02:07:09 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	280904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	406720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	377571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	207886	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	118712	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.72	113	124181	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.18	98	477774	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.48	95	170056	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	86775	44.895	ug/l	100
3) Chloromethane	2.12	50	95505	44.672	ug/l	97
4) Vinyl Chloride	2.26	62	108013	47.799	ug/l	99
5) Bromomethane	2.66	94	74784	44.162	ug/l	97
6) Chloroethane	2.80	64	66841	45.629	ug/l	95
7) Trichlorofluoromethane	3.13	101	188701	47.150	ug/l	98
8) Diethyl Ether	3.54	74	67696	43.319	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	113523	47.774	ug/l	98
10) Methyl Iodide	4.10	142	154460	46.454	ug/l	98
11) Tert butyl alcohol	4.98	59	56376	213.176	ug/l #	87
12) 1,1-Dichloroethene	3.88	96	110180	46.106	ug/l	97
13) Acrolein	3.74	56	55816	195.280	ug/l	99
14) Allyl chloride	4.49	41	158426	46.224	ug/l	97
15) Acrylonitrile	5.18	53	163328	231.671	ug/l	99
16) Acetone	3.96	43	168208	294.110	ug/l	100
17) Carbon Disulfide	4.20	76	297184	41.154	ug/l	98
18) Methyl Acetate	4.49	43	67960	47.304	ug/l	98
19) Methyl tert-butyl Ether	5.23	73	317073	48.062	ug/l	99
20) Methylene Chloride	4.72	84	127059	45.460	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	122089	45.429	ug/l	97
22) Diisopropyl ether	6.13	45	335640	47.126	ug/l	96
23) Vinyl Acetate	6.07	43	1121226	238.442	ug/l	100
24) 1,1-Dichloroethane	6.03	63	198149	47.559	ug/l	99
25) 2-Butanone	7.00	43	219608	246.459	ug/l	98
26) 2,2-Dichloropropane	6.99	77	190246	47.612	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	140109	46.571	ug/l	98
28) Bromochloromethane	7.34	49	83450	48.791	ug/l	96
29) Tetrahydrofuran	7.35	42	129867	224.065	ug/l	97
30) Chloroform	7.52	83	213989	48.402	ug/l	95
31) Cyclohexane	7.78	56	176809	42.742	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	199248	48.363	ug/l	99
36) 1,1-Dichloropropene	7.93	75	159637	46.594	ug/l	99
37) Ethyl Acetate	7.08	43	88165	47.297	ug/l	98
38) Carbon Tetrachloride	7.91	117	188509	49.529	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	207905	46.038	ug/l	97
40) Benzene	8.16	78	481346	47.548	ug/l	100
41) Methacrylonitrile	7.32	41	45594m	45.529	ug/l	
42) 1,2-Dichloroethane	8.24	62	135317	47.695	ug/l	99
43) Isopropyl Acetate	8.28	43	167672	47.467	ug/l	99
44) Trichloroethene	8.94	130	151162	47.272	ug/l	98
45) 1,2-Dichloropropane	9.22	63	116321	47.914	ug/l	99
46) Dibromomethane	9.31	93	69318	48.078	ug/l	100
47) Bromodichloromethane	9.50	83	169405	49.840	ug/l	99
48) Methyl methacrylate	9.30	41	75307	47.225	ug/l	99
49) 1,4-Dioxane	9.31	88	19467	879.341	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	447962	239.488	ug/l	99
52) Toluene	10.24	92	319646	48.266	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	184170	49.608	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	205255	48.792	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	107762	48.820	ug/l	95
56) Ethyl methacrylate	10.51	69	145662	49.268	ug/l	99
57) 1,3-Dichloropropane	10.79	76	173084	47.674	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	378091	261.721	ug/l	99
59) 2-Hexanone	10.83	43	331656	249.898	ug/l	99
60) Dibromochloromethane	10.99	129	141052	50.403	ug/l	100
61) 1,2-Dibromoethane	11.09	107	104591	48.034	ug/l	100
64) Tetrachloroethene	10.72	164	157987	46.039	ug/l	98
65) Chlorobenzene	11.52	112	361176	48.398	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	140820	50.103	ug/l	99
67) Ethyl Benzene	11.60	91	628315	48.565	ug/l	98
68) m/p-Xylenes	11.70	106	489440	97.574	ug/l	100
69) o-Xylene	12.03	106	231070	48.796	ug/l	99
70) Styrene	12.04	104	406075	49.467	ug/l	99
71) Bromoform	12.20	173	95016	50.523	ug/l #	100
73) Isopropylbenzene	12.33	105	638391	47.919	ug/l	100
74) N-amyl acetate	12.14	43	161347	47.202	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	116328	49.767	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	88942m	47.482	ug/l	
77) Bromobenzene	12.61	156	166219	47.917	ug/l	98
78) n-propylbenzene	12.67	91	744260	48.364	ug/l	100
79) 2-Chlorotoluene	12.75	91	412246	47.756	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	538590	48.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	48039	48.316	ug/l	98
82) 4-Chlorotoluene	12.85	91	432991	47.875	ug/l	100
83) tert-Butylbenzene	13.08	119	482330	48.611	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	539351	48.222	ug/l	99
85) sec-Butylbenzene	13.25	105	656672	48.403	ug/l	100
86) p-Isopropyltoluene	13.37	119	613089	48.566	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	315546	48.022	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	314640	47.868	ug/l	100
89) n-Butylbenzene	13.69	91	557617	48.653	ug/l	100
90) Hexachloroethane	13.96	117	115655	48.938	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	287800	48.296	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	21469	47.740	ug/l	97

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	213252	47.477	ug/l	99
94) Hexachlorobutadiene	15.11	225	125972	49.448	ug/l	99
95) Naphthalene	15.23	128	420873	46.733	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	190931	47.602	ug/l	98

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

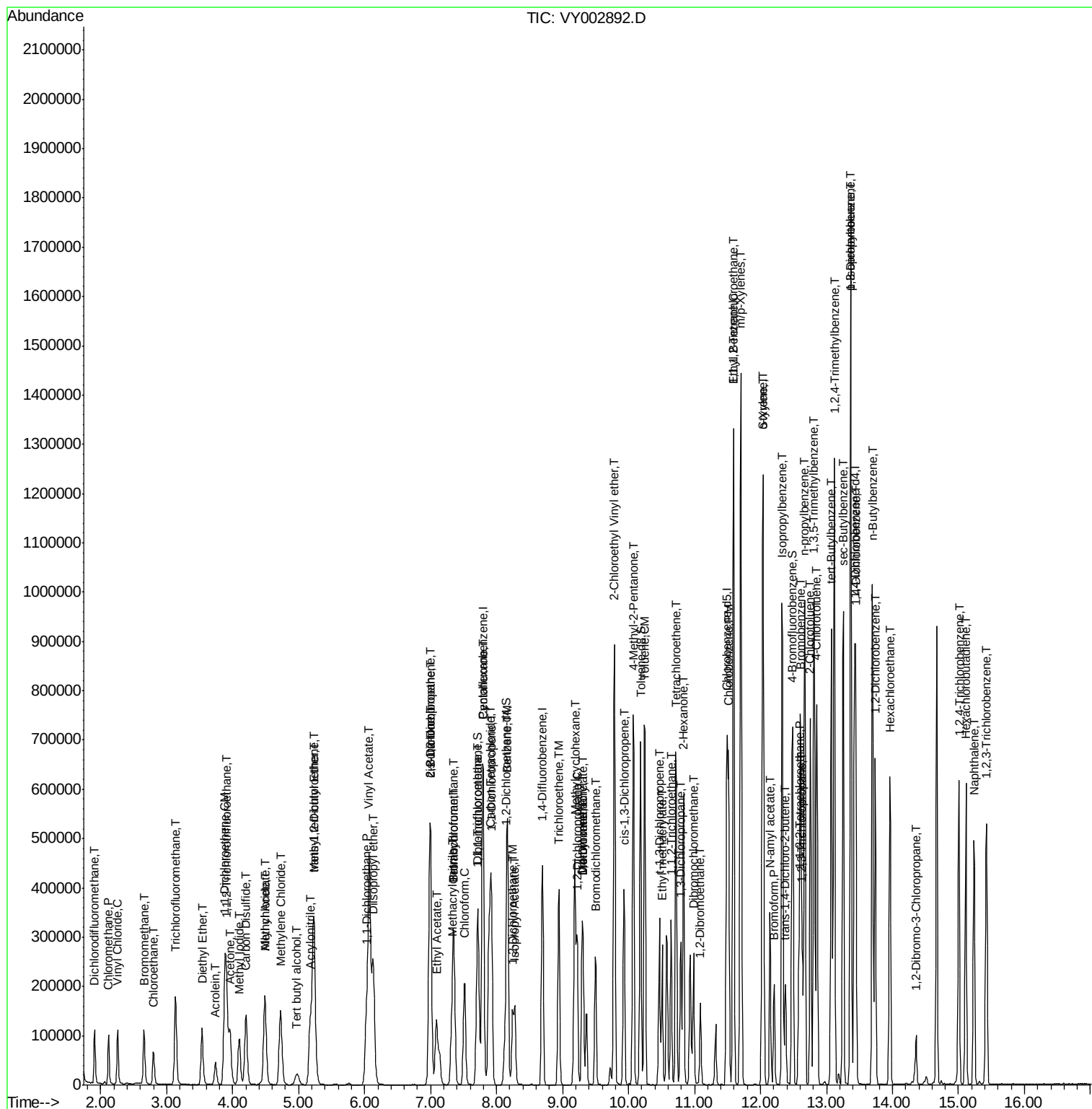
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Data File : VY002892.D
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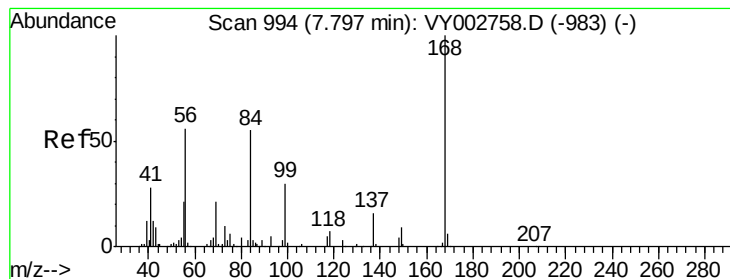
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 280904

Ion Ratio Lower Upper

168 100

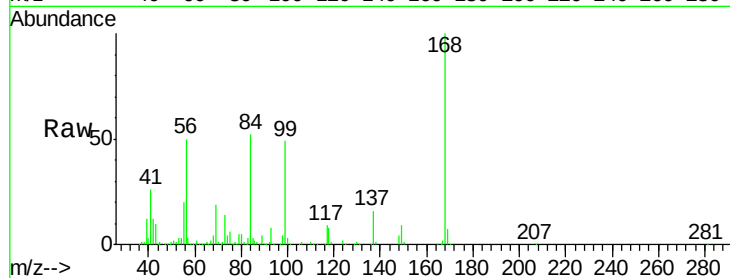
99 49.5 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

150000

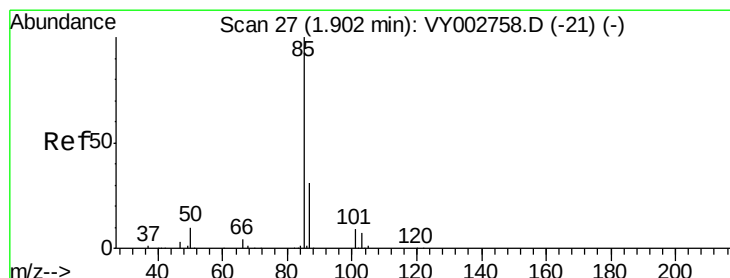
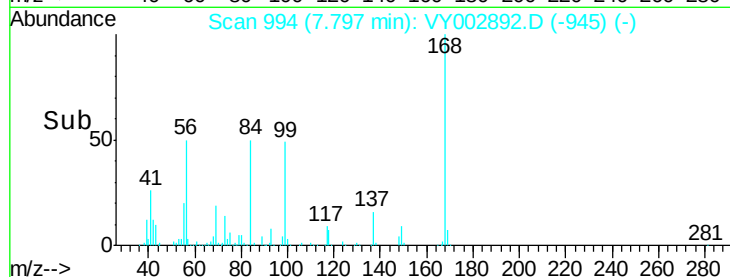
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.895 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY002892.D

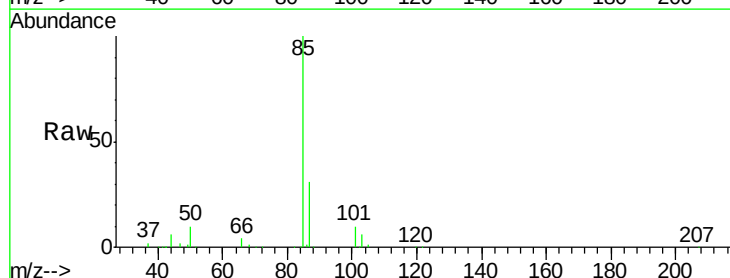
Acq: 15 Jun 2020 09:58

Tgt Ion: 85 Resp: 86775

Ion Ratio Lower Upper

85 100

87 31.0 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VY002758.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY002758.D (-21) (-)

1.91

60000

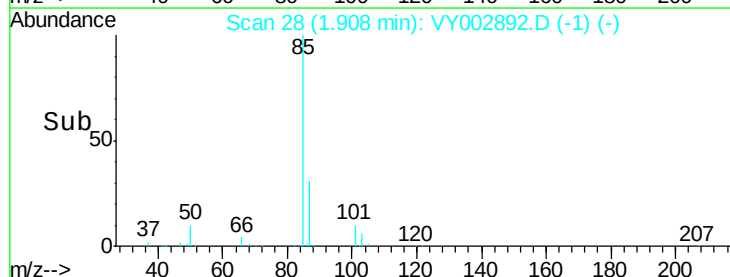
40000

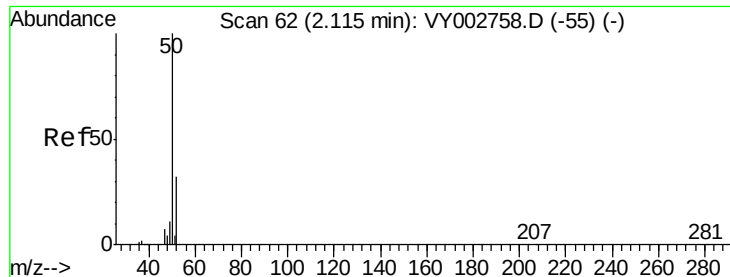
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.672 ug/l

RT: 2.12 min Scan# 63

Delta R.T. 0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 95505

Ion Ratio Lower Upper

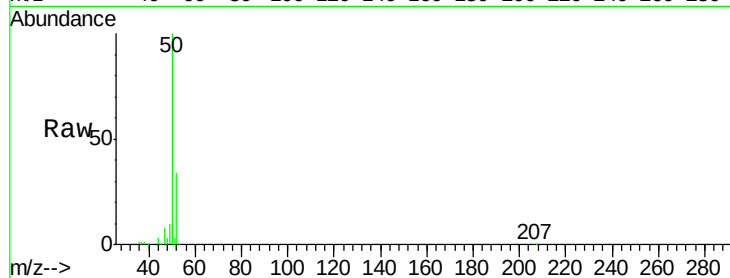
50 100

52 33.6 25.8 38.6

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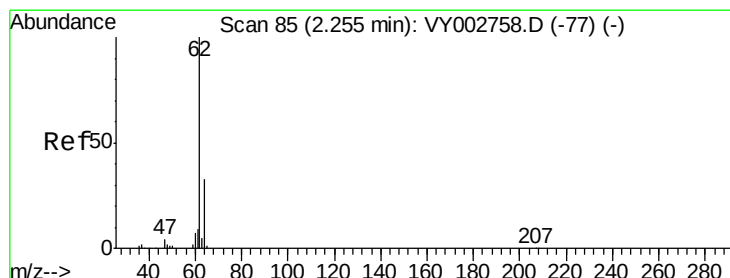
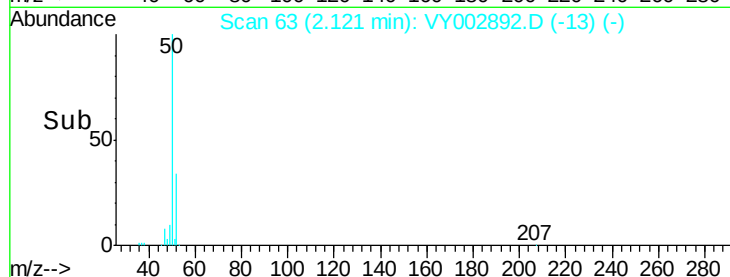
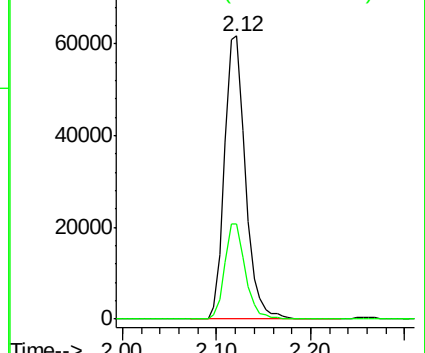
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 47.799 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.00 min

Lab File: VY002892.D

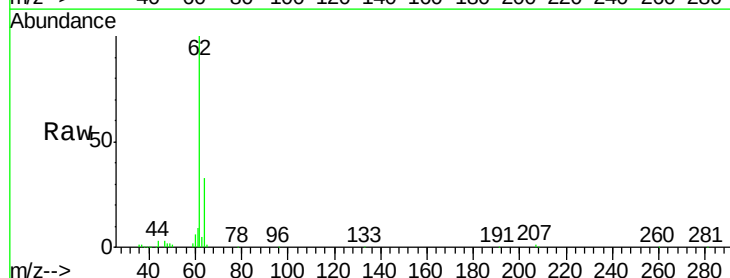
Acq: 15 Jun 2020 09:58

Tgt Ion: 62 Resp: 108013

Ion Ratio Lower Upper

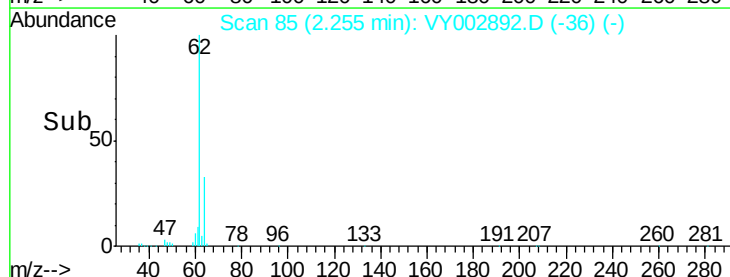
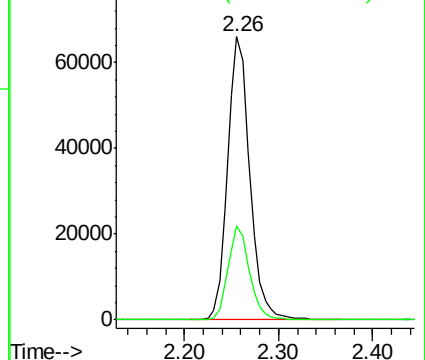
62 100

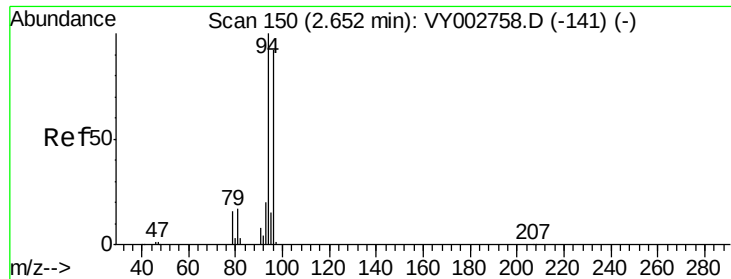
64 33.0 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 44.162 ug/l

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 74784

Ion Ratio Lower Upper

94 100

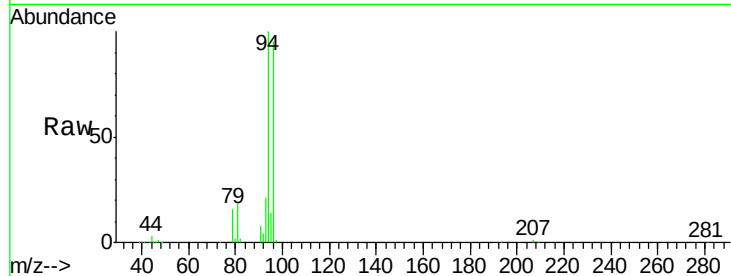
96 94.9 73.7 110.5

Manual Integrations

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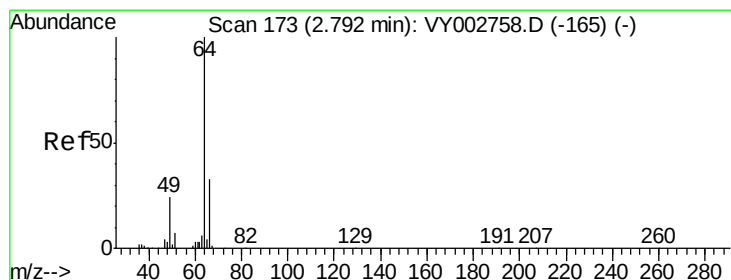
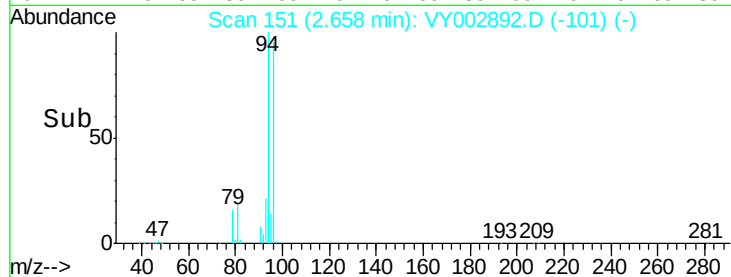
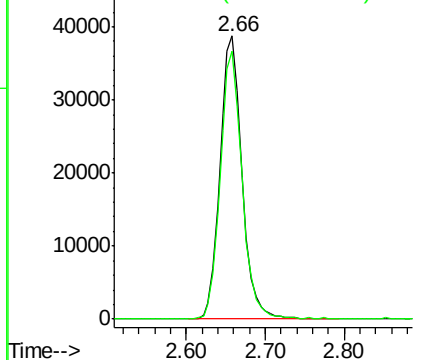
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 45.629 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY002892.D

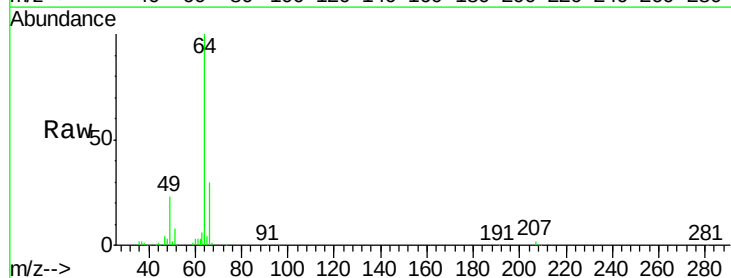
Acq: 15 Jun 2020 09:58

Tgt Ion: 64 Resp: 66841

Ion Ratio Lower Upper

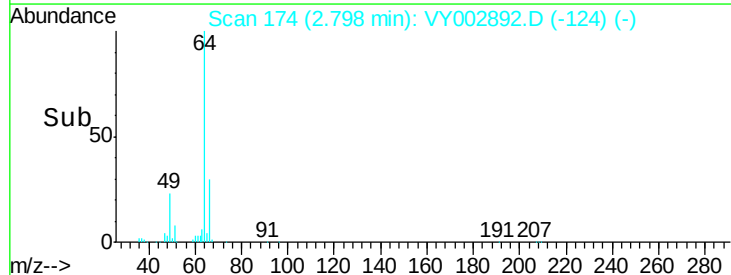
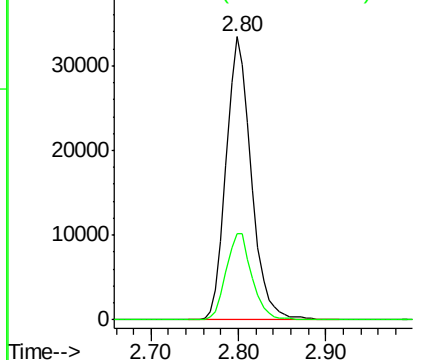
64 100

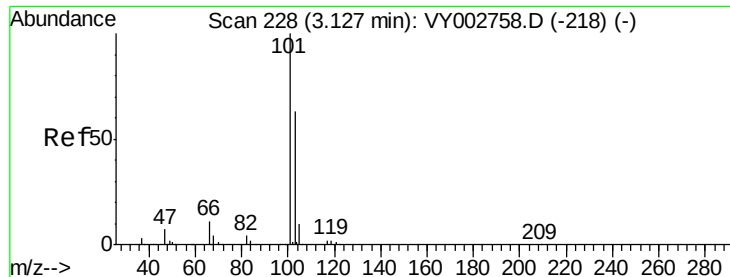
66 30.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

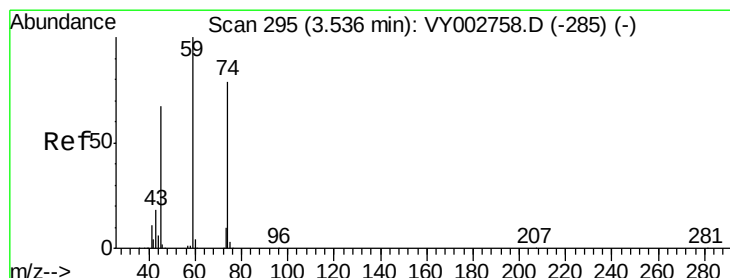
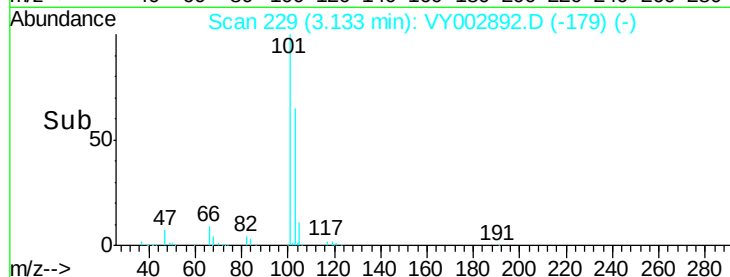
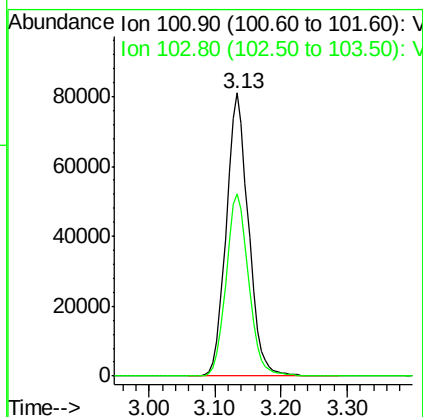
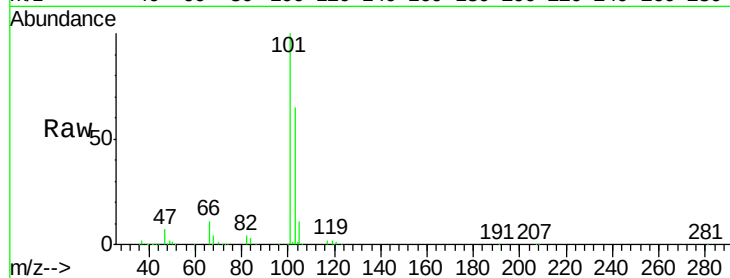
Trichlorofluoromethane
Concen: 47.150 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	188701		
103	64.6	50.6	76.0	

Manual Integrations
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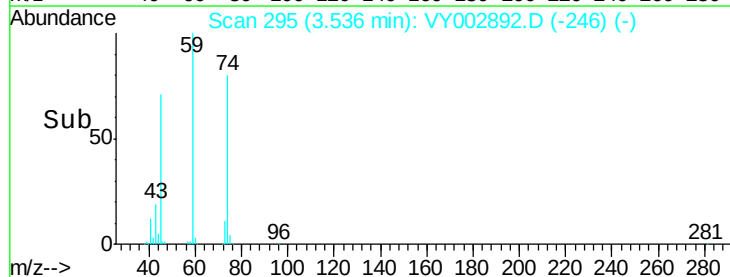
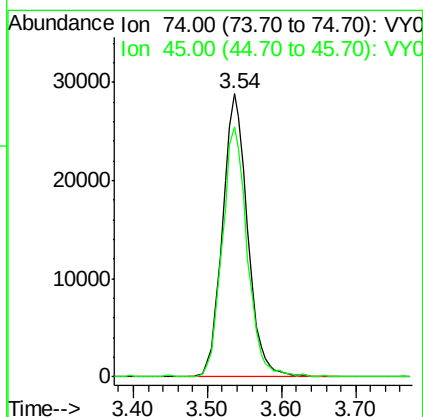
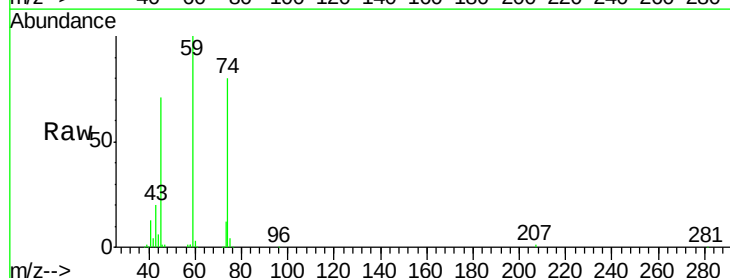
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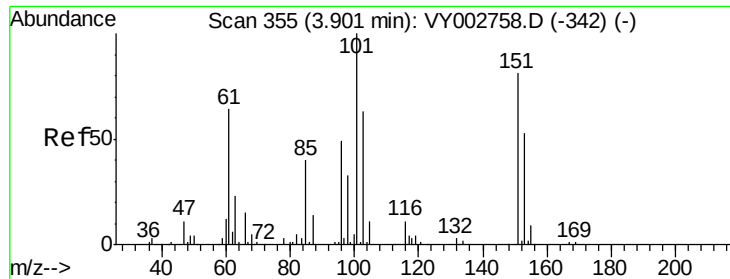


#8

Diethyl Ether
Concen: 43.319 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	67696		
45	88.0	44.0	131.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.774 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

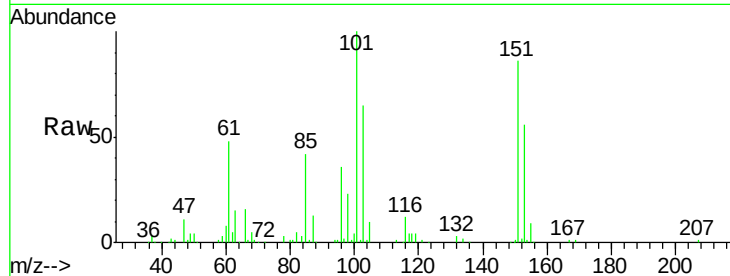
ClientSampleId :

VSTDCCC050

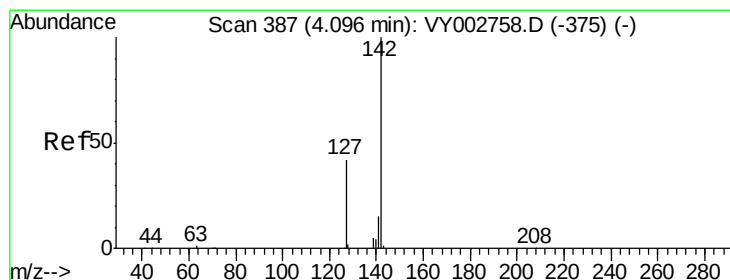
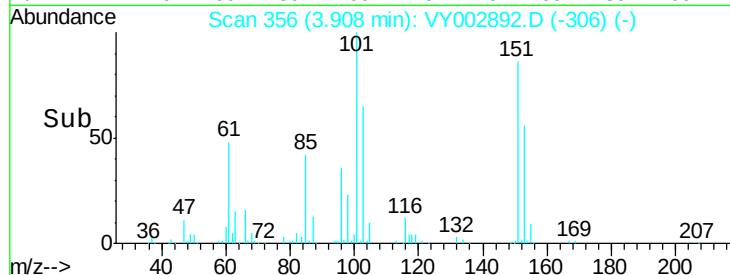
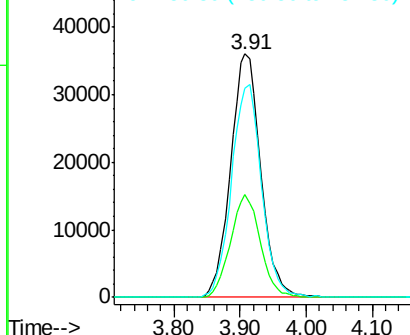
Tot Ion:	101	Resp:	113523
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.7	49.1
151	87.6	68.0	102.0

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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: 46.454 ug/l

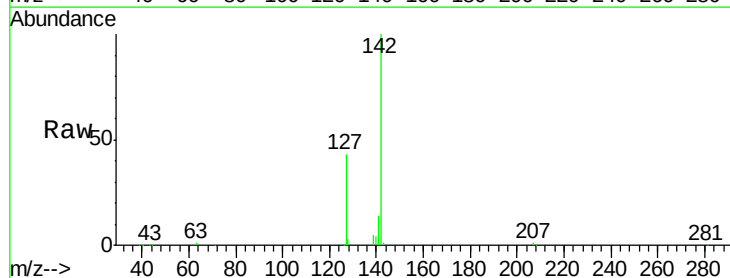
RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

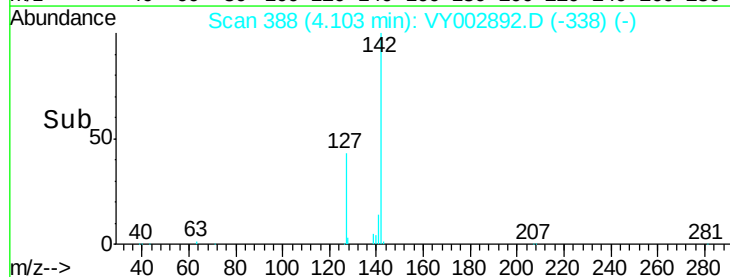
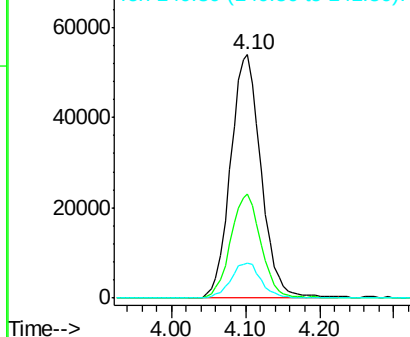
Lab File: VY002892.D

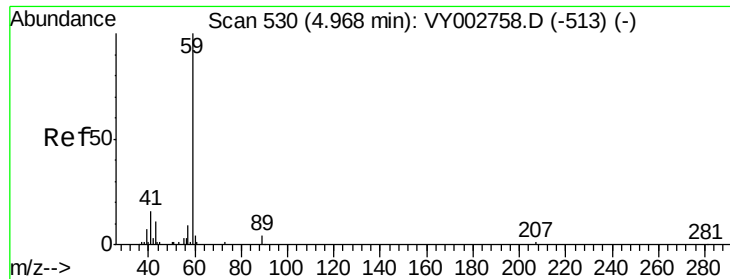
Acq: 15 Jun 2020 09:58

Tgt Ion:	142	Resp:	154460
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.3	49.9
141	14.5	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

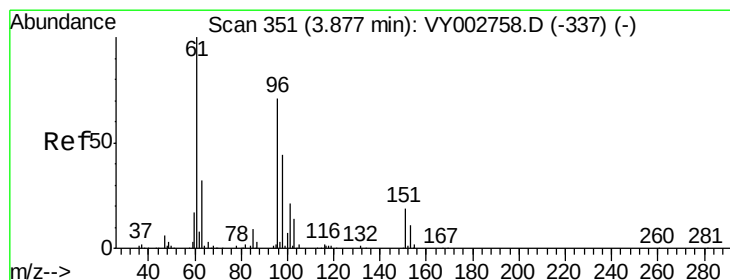
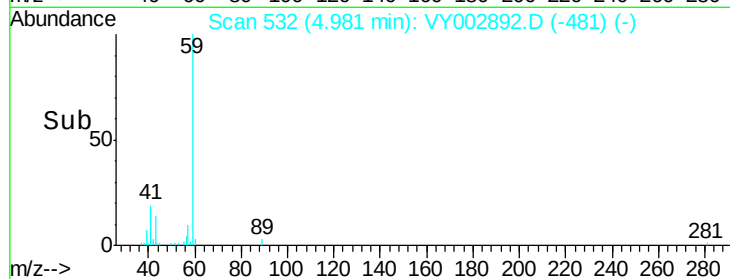
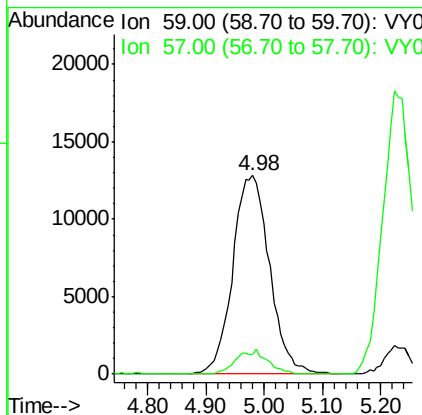
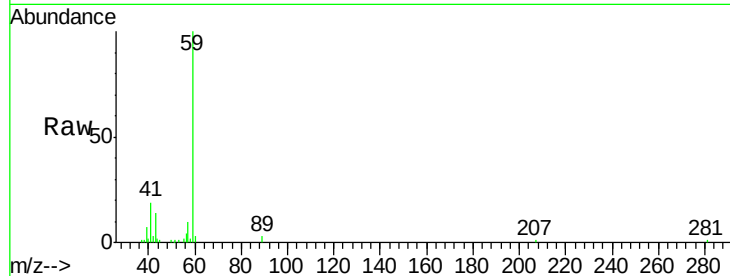
Tert butyl alcohol
Concen: 213.176 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	56376
Ion Ratio	100	Lower	Upper
57	4.9	7.7	11.5#

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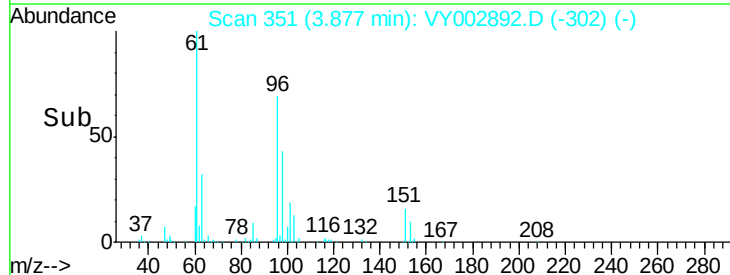
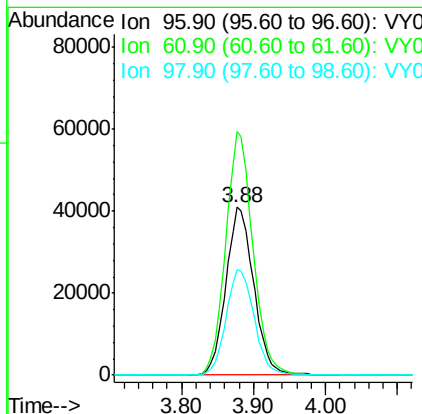
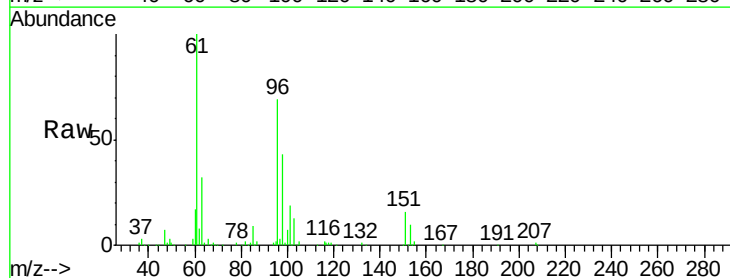
MMDadoda
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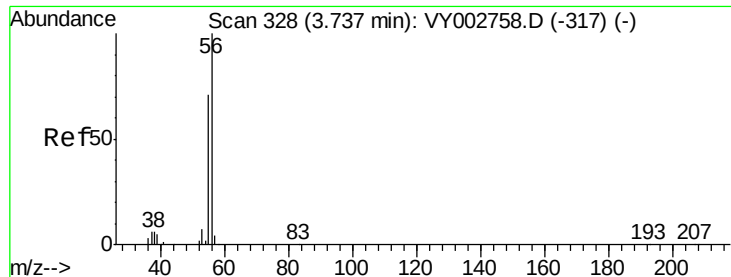


#12

1,1-Dichloroethene
Concen: 46.106 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	96	Resp	110180
Ion Ratio	100	Lower	Upper
61	145.3	112.6	168.8
98	62.9	50.0	75.0





#13

Acrolein

Concen: 195.280 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 55816

Ion Ratio Lower Upper

56 100

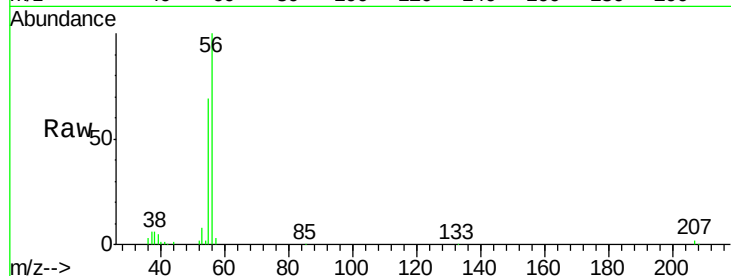
55 69.5 56.0 84.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

25000

20000

15000

10000

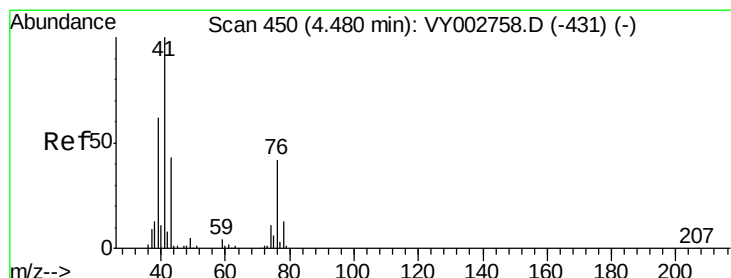
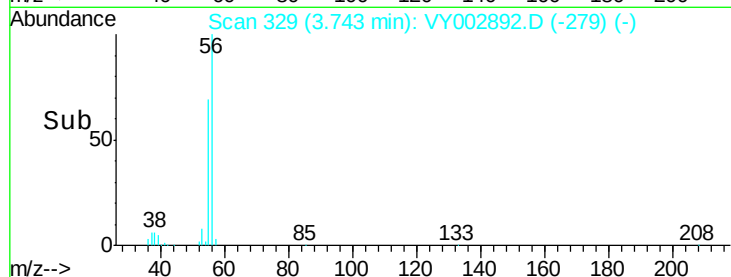
5000

0

Time-->

3.60 3.70 3.80 3.90

3.74



#14

Allyl chloride

Concen: 46.224 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

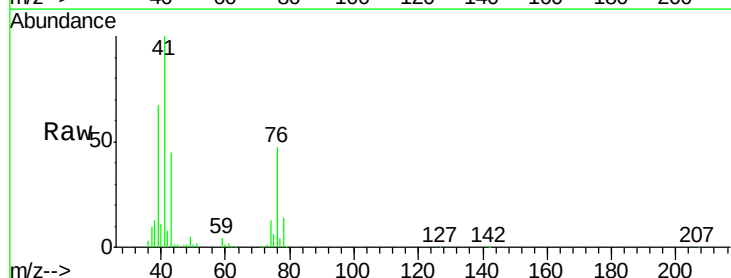
Tgt Ion: 41 Resp: 158426

Ion Ratio Lower Upper

41 100

39 64.5 49.9 74.9

76 43.2 33.2 49.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

60000

40000

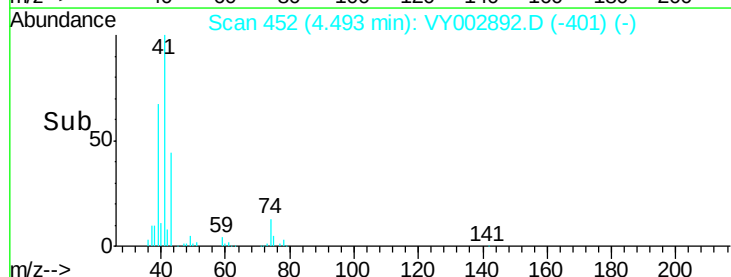
20000

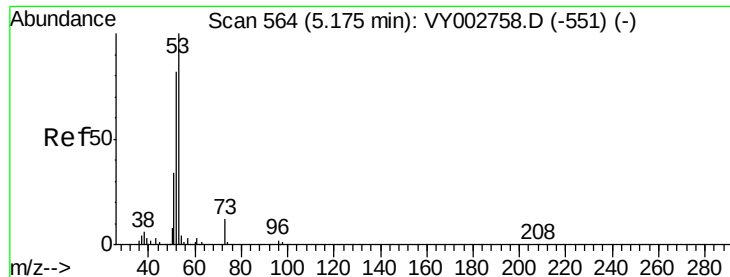
0

Time-->

4.30 4.40 4.50 4.60 4.70

4.49





#15

Acrylonitrile

Concen: 231.671 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

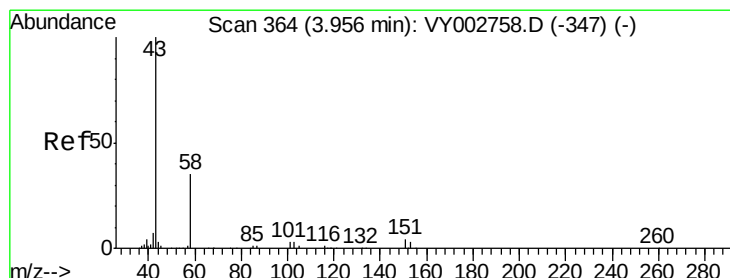
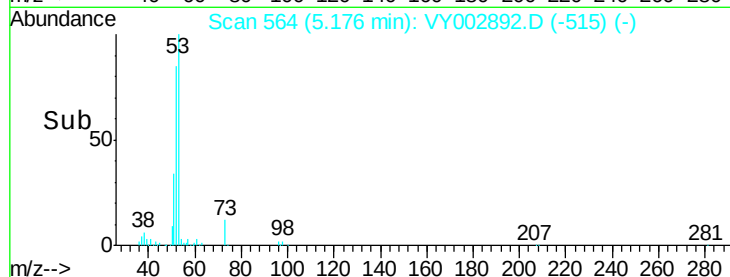
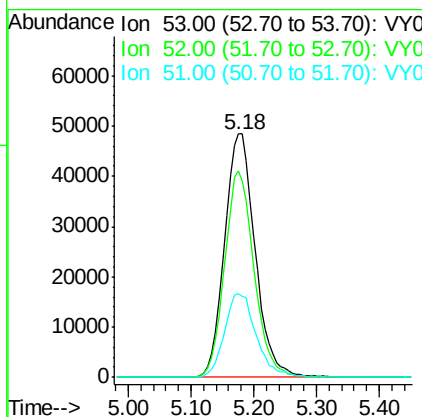
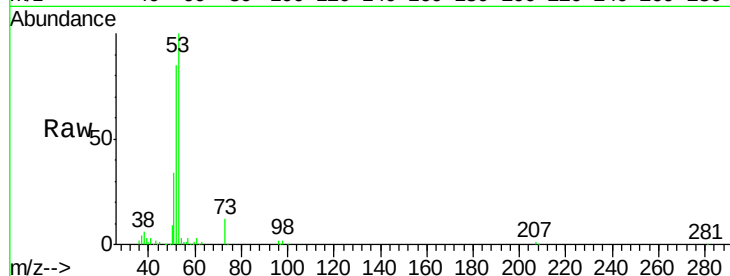
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	163328
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.3	97.9
51	35.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 294.110 ug/l

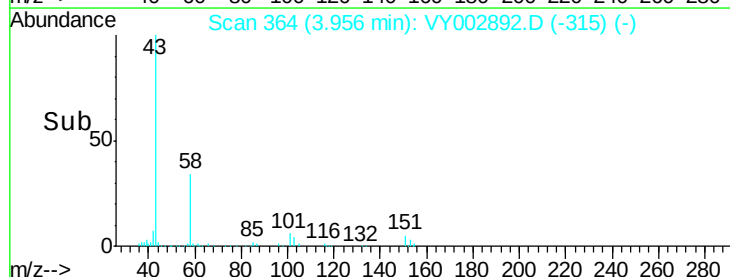
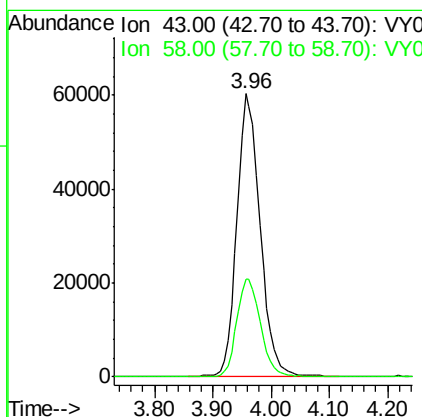
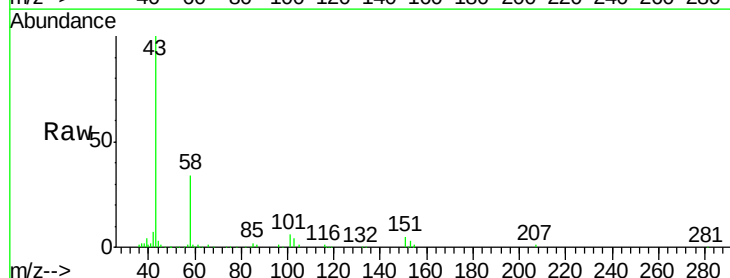
RT: 3.96 min Scan# 364

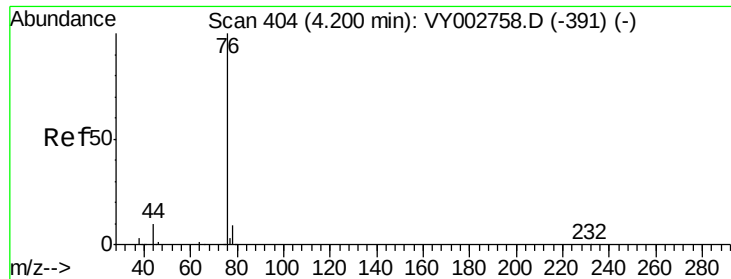
Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Tgt Ion:	43	Resp:	168208
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.7	41.5





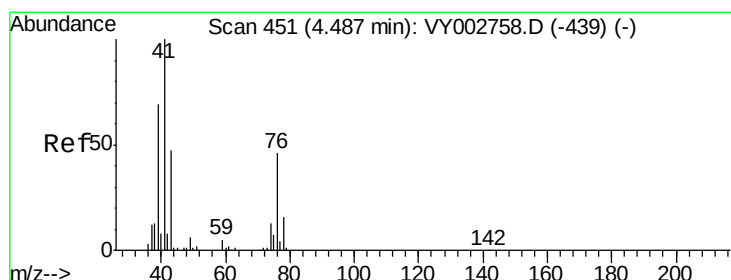
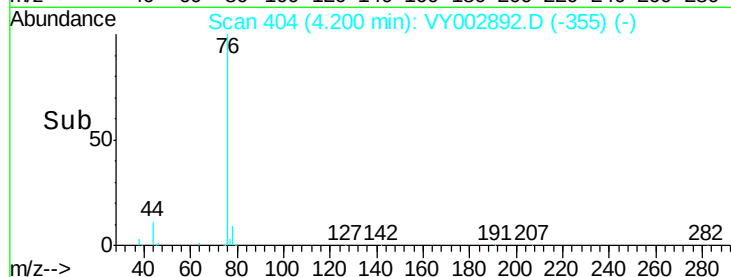
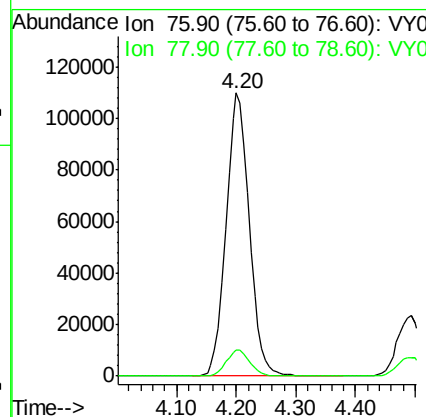
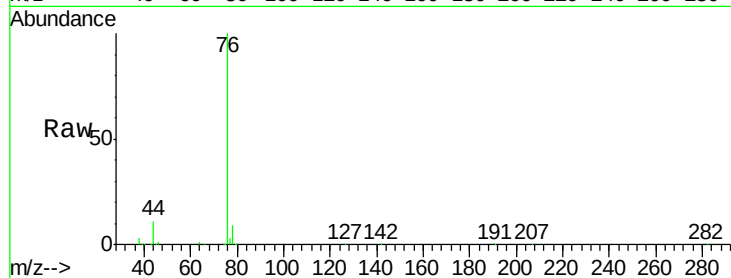
#17
Carbon Disulfide
Concen: 41.154 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.9	10.3

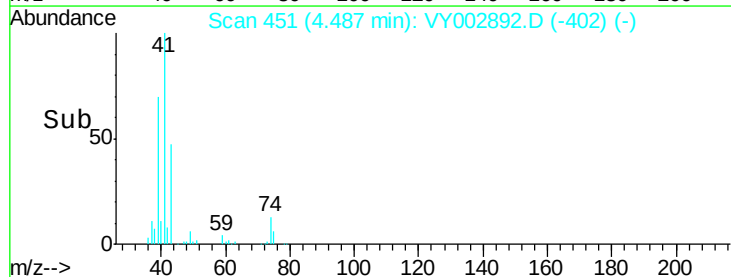
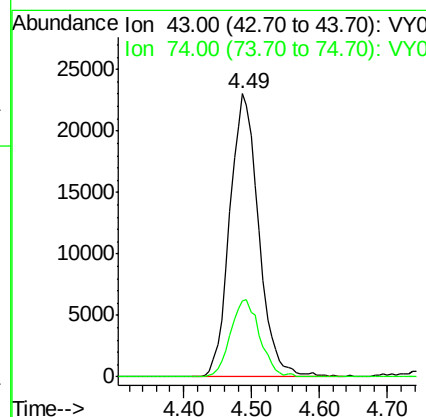
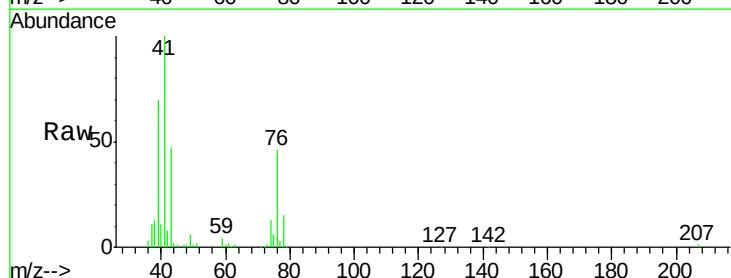
Manual Integrations
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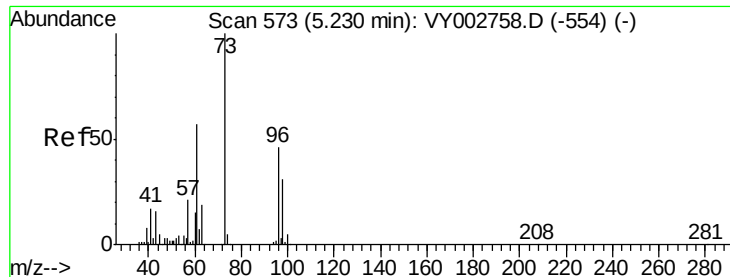
MMDadoda
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#18
Methyl Acetate
Concen: 47.304 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	21.4	32.0





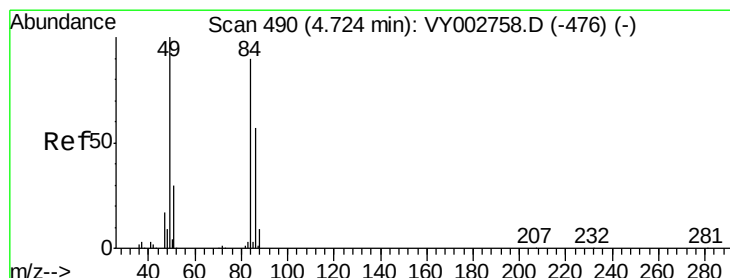
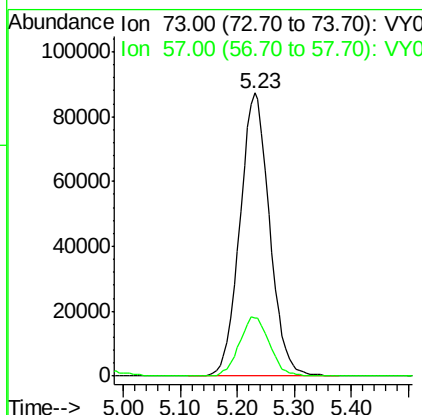
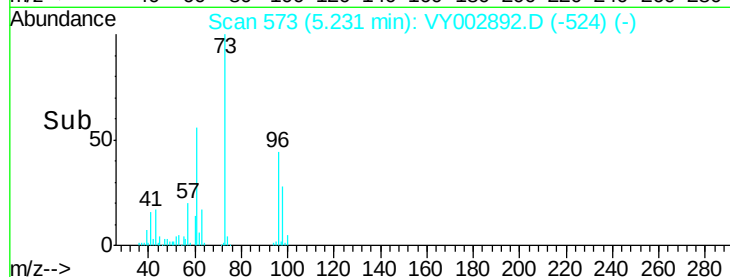
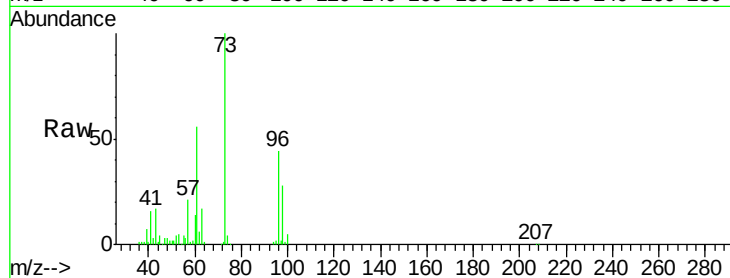
#19
Methyl tert-butyl Ether
Concen: 48.062 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.0	25.4

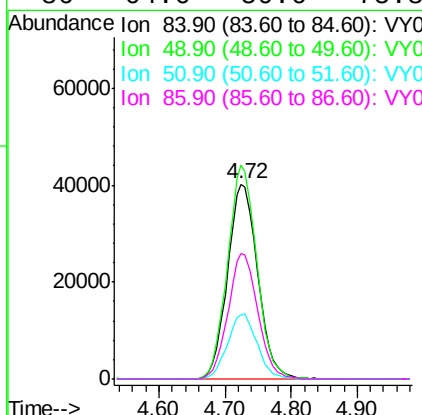
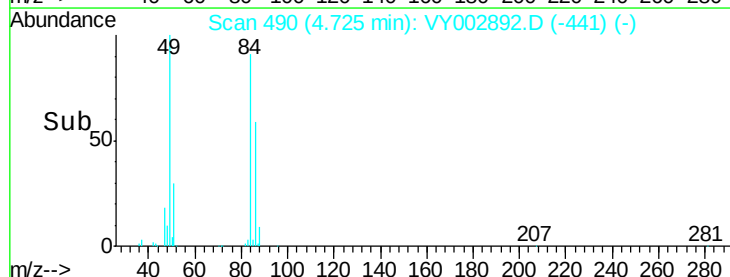
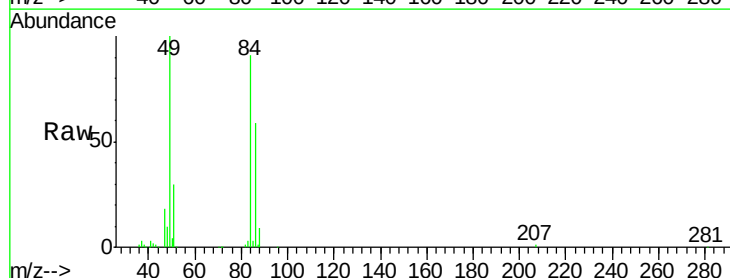
Manual Integrations
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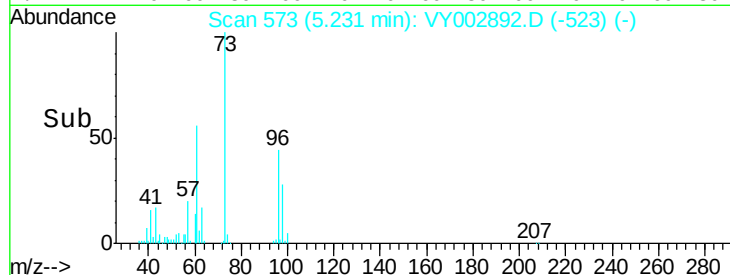
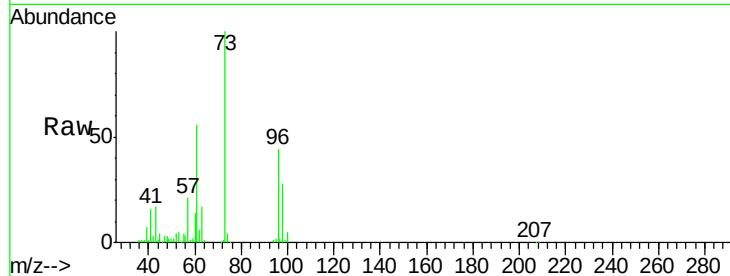
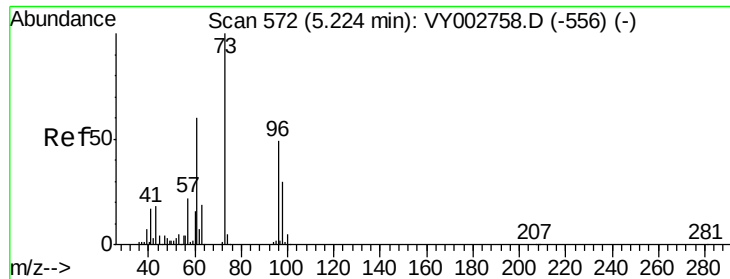
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#20
Methylene Chloride
Concen: 45.460 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.5	88.5	132.7
51	33.0	26.8	40.2
86	64.6	50.6	75.8





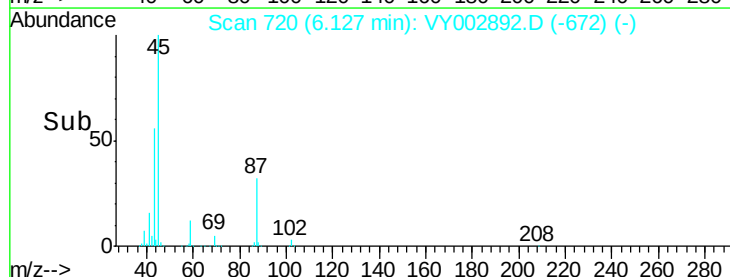
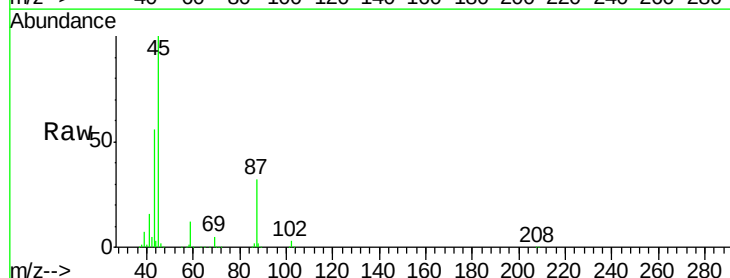
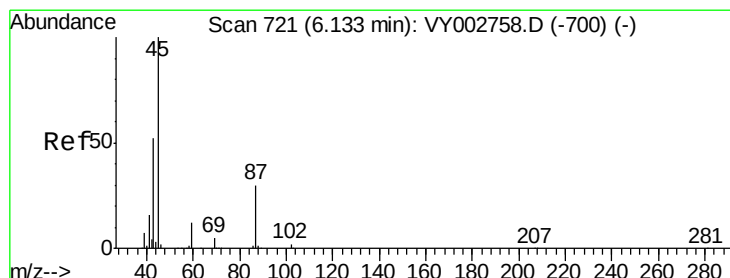
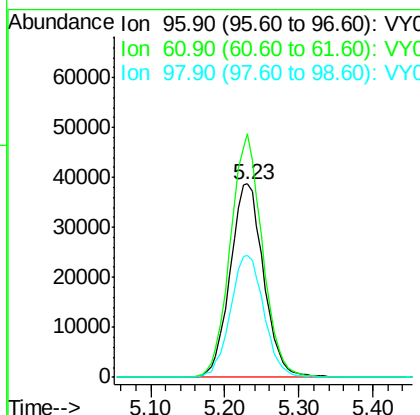
#21
trans-1,2-Dichloroethene
Concen: 45.429 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.9	96.8	145.2
98	62.9	49.4	74.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

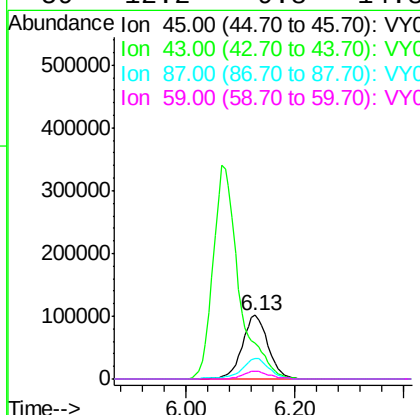
Manual Integrations
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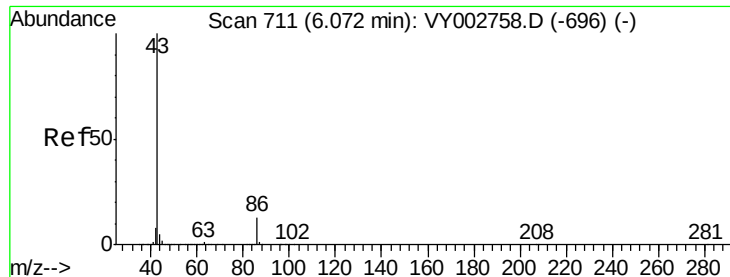
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#22
Diisopropyl ether
Concen: 47.126 ug/l
RT: 6.13 min Scan# 720
Delta R.T. -0.01 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	41.7	62.5
87	32.2	24.2	36.2
59	12.2	9.8	14.8





#23

Vinyl Acetate

Concen: 238.442 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1121226

Ion Ratio Lower Upper

43 100

86 12.7

10.2

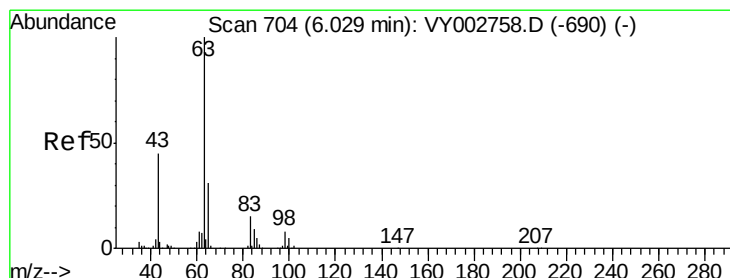
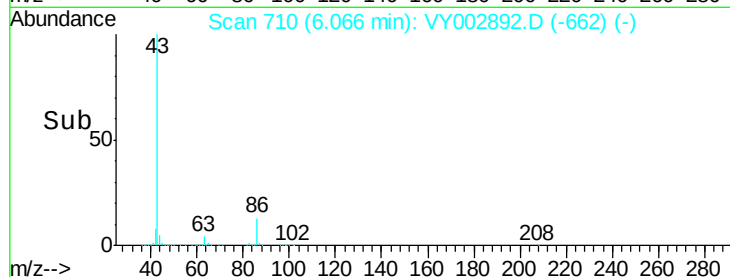
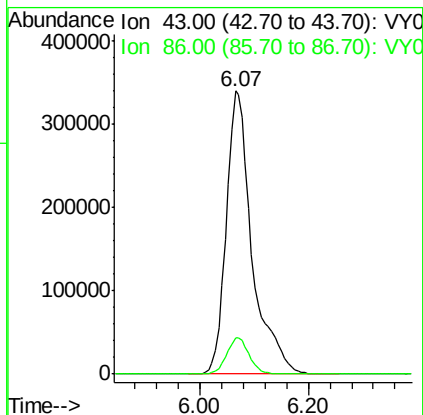
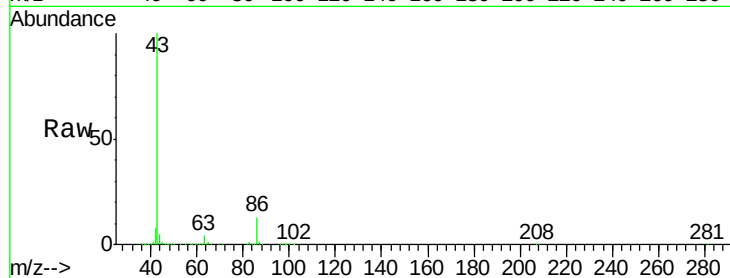
15.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.559 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Tgt Ion: 63 Resp: 198149

Ion Ratio Lower Upper

63 100

98 8.1

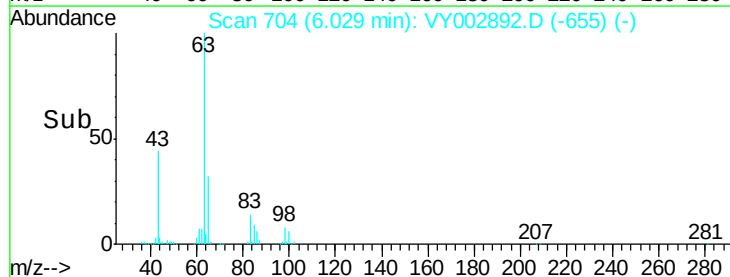
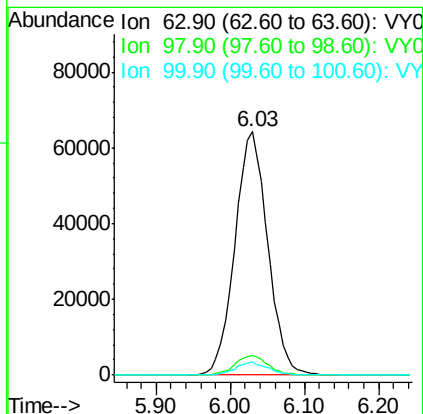
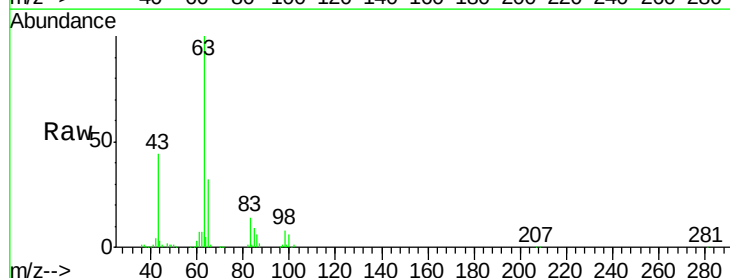
4.0

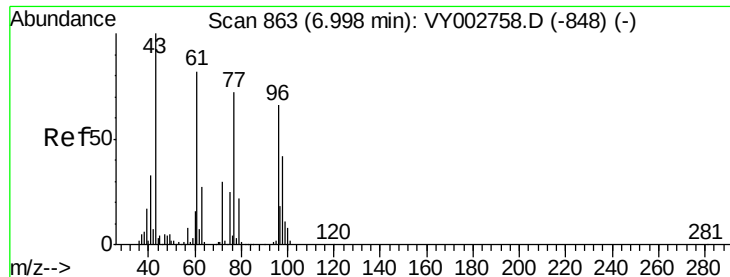
12.2

100 5.6

2.4

7.1





#25

2-Butanone

Concen: 246.459 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 219608

Ion Ratio Lower Upper

43 100

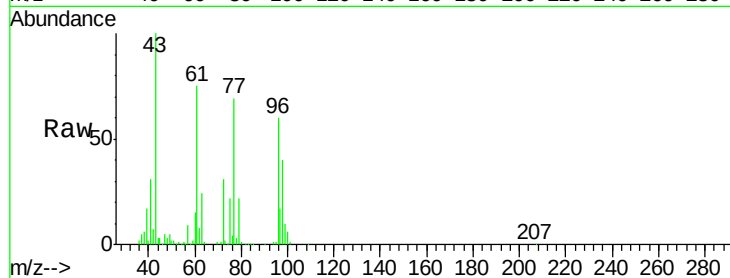
72 31.2 23.9 35.9

Manual Integrations

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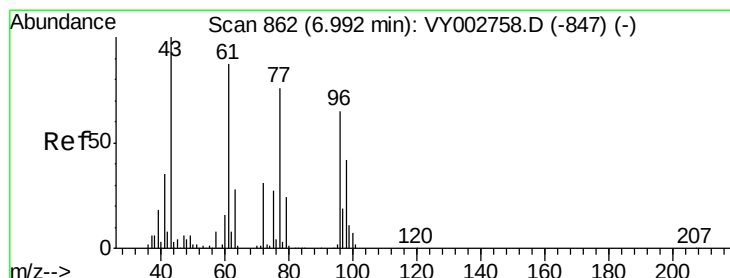
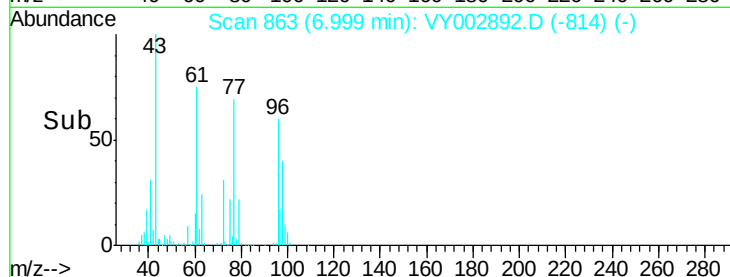
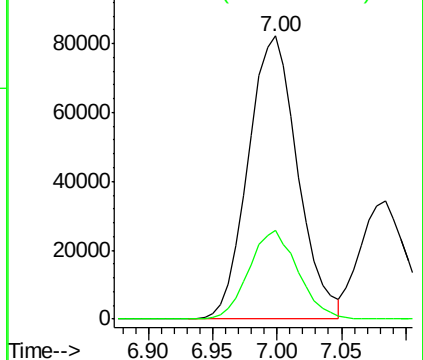
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 47.612 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY002892.D

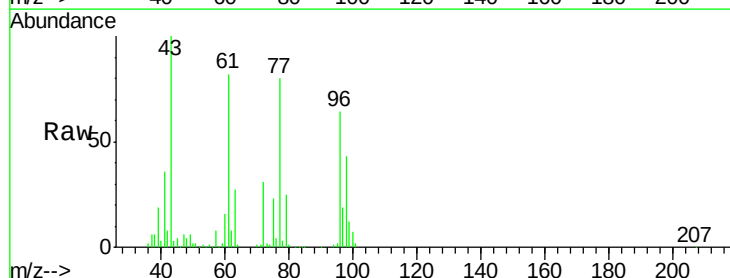
Acq: 15 Jun 2020 09:58

Tgt Ion: 77 Resp: 190246

Ion Ratio Lower Upper

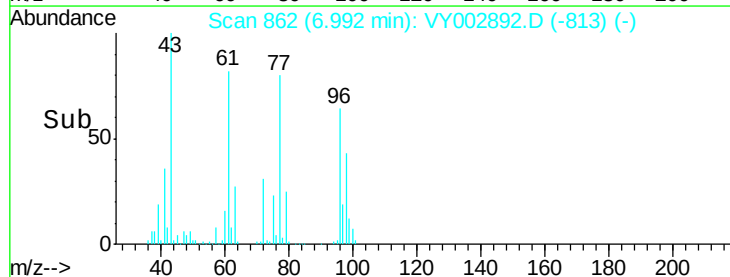
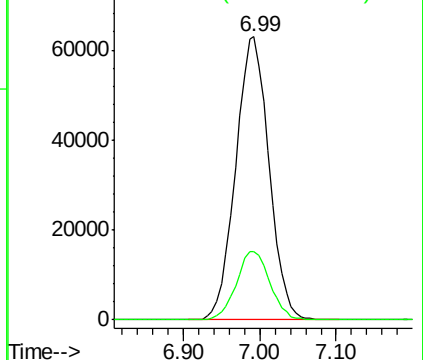
77 100

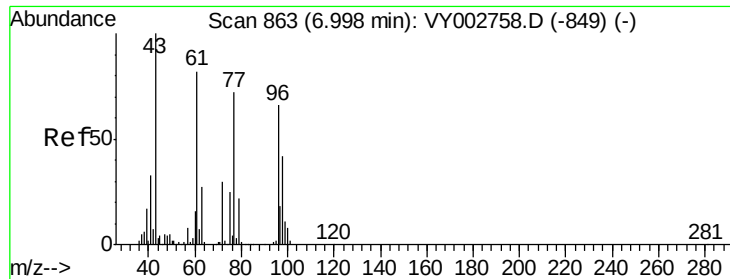
97 24.2 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

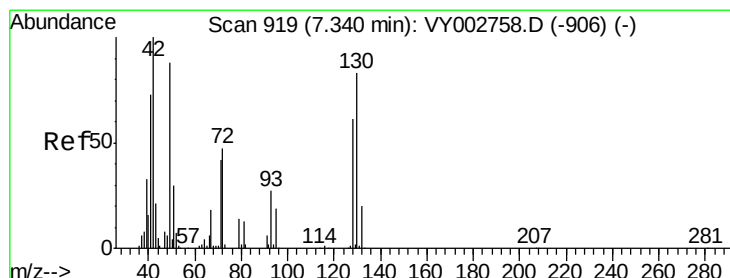
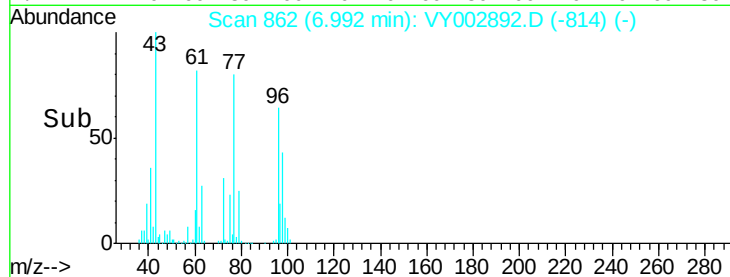
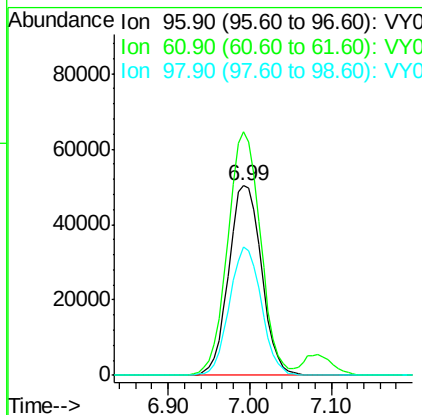
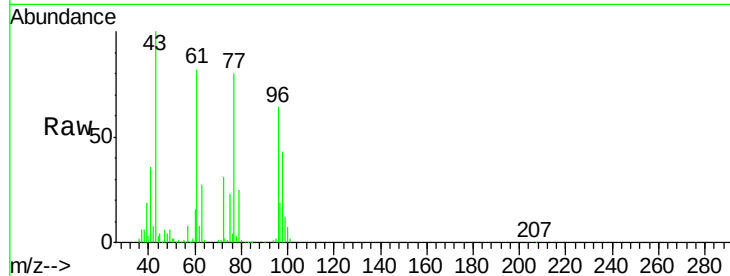
cis-1,2-Dichloroethene
Concen: 46.571 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.3	0.0	260.2
98	65.7	0.0	128.2

Manual Integrations
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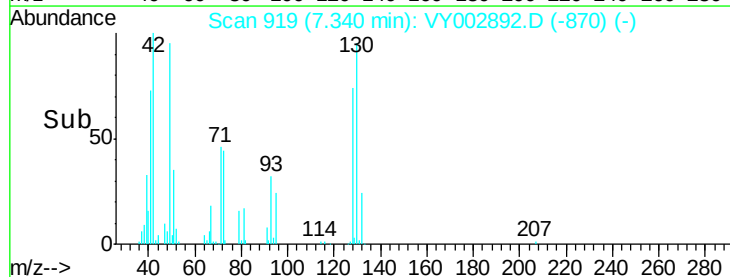
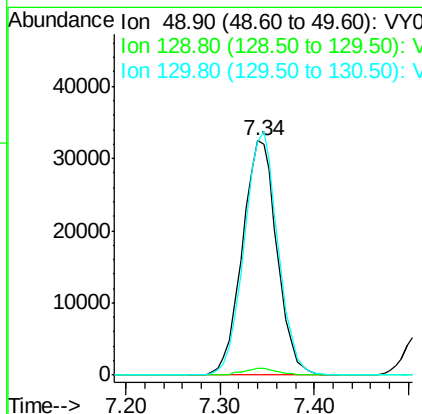
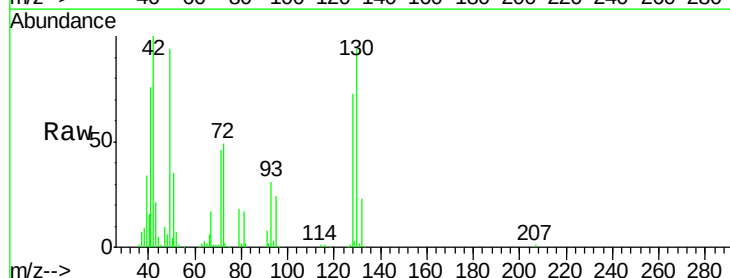
MMDadoda
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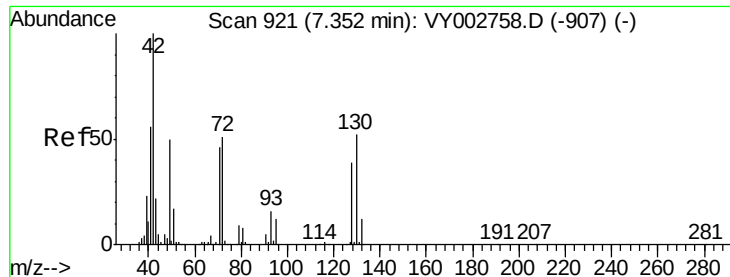


#28

Bromochloromethane
Concen: 48.791 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.2
130	100.9	77.1	115.7





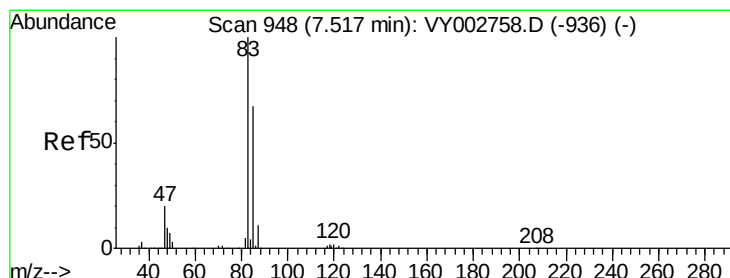
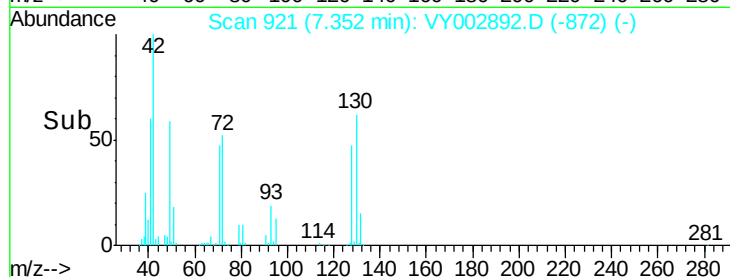
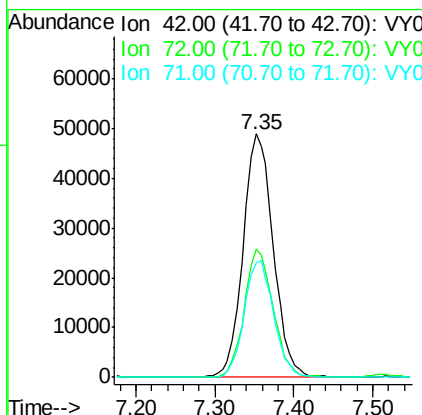
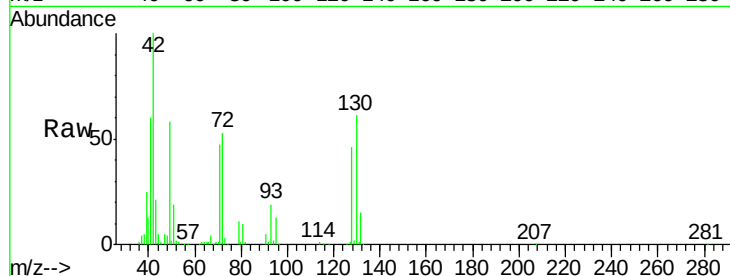
#29
Tetrahydrofuran
Concen: 224.065 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.7	38.6	58.0
71	47.0	35.8	53.8

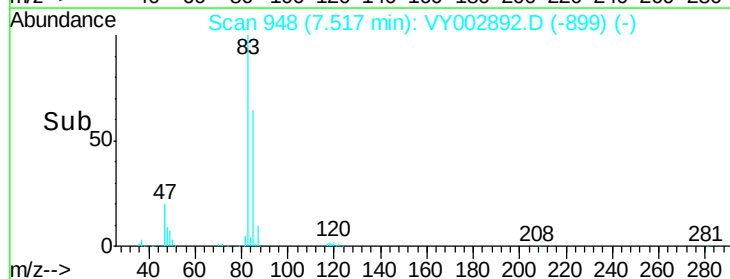
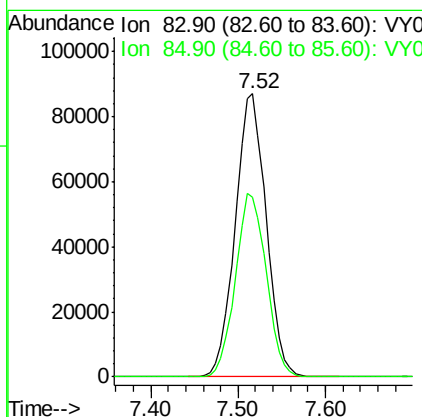
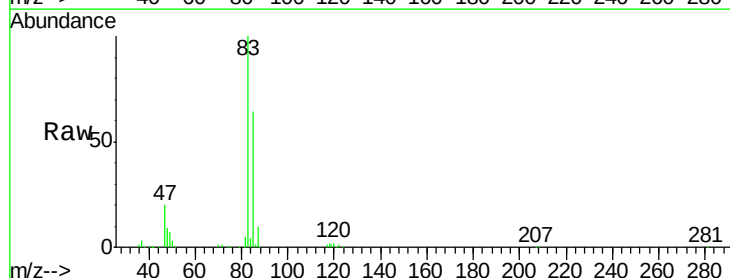
Manual Integrations
APPROVED

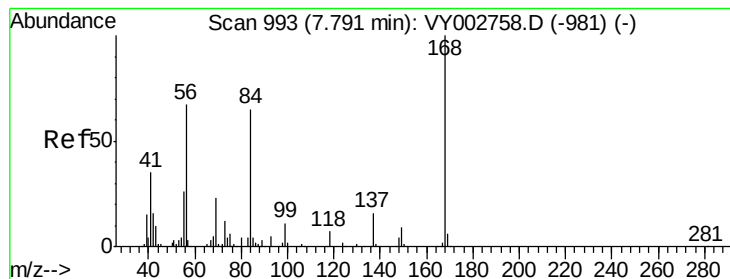
MMDadoda
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#30
Chloroform
Concen: 48.402 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.8	80.8





#31

Cyclohexane

Concen: 42.742 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 176809

Ion Ratio Lower Upper

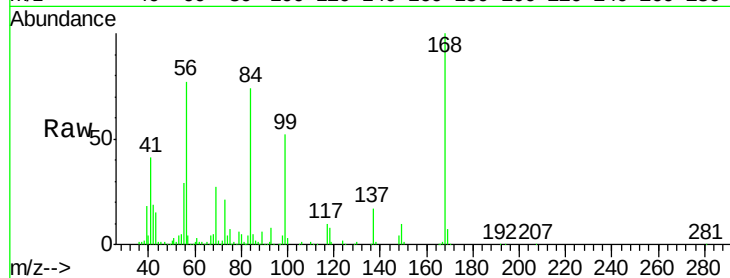
56 100

69 34.9 28.0 42.0

84 94.6 77.7 116.5

Manual Integrations
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6/16/2020 3:22:39 PM

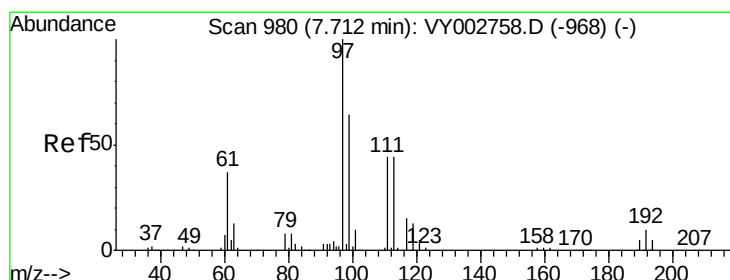
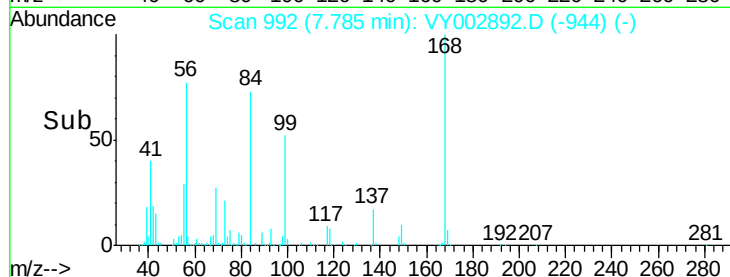
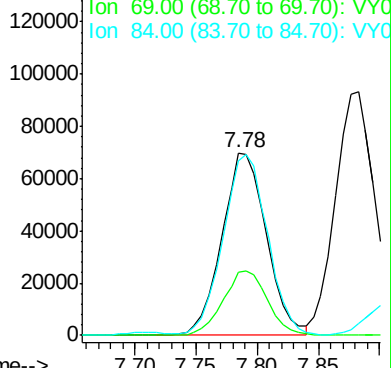


Abundance

Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 48.363 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

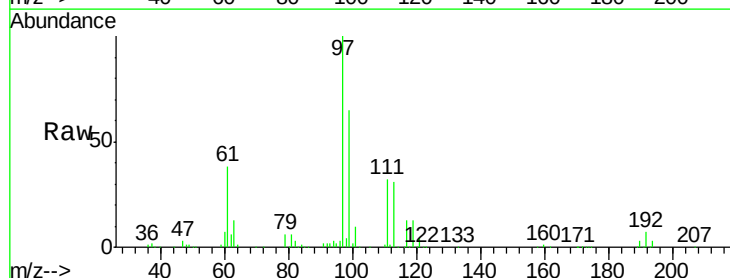
Tgt Ion: 97 Resp: 199248

Ion Ratio Lower Upper

97 100

99 65.3 51.4 77.0

61 37.6 30.1 45.1

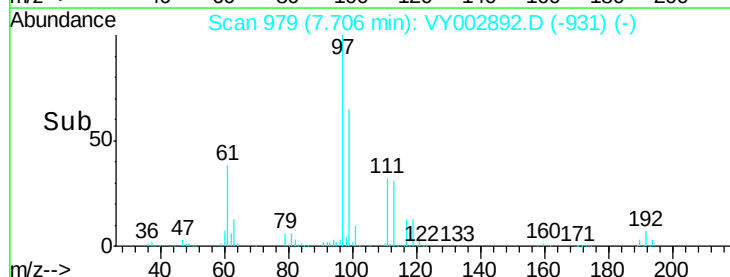
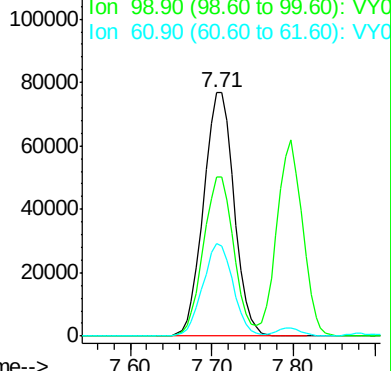


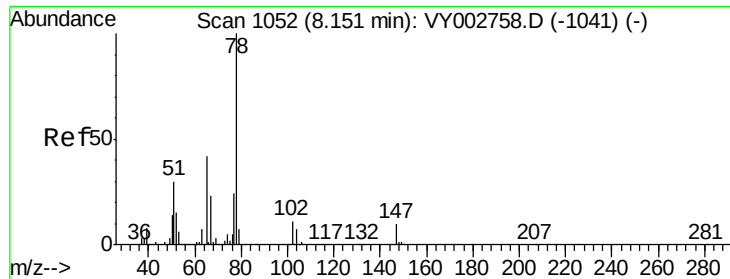
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





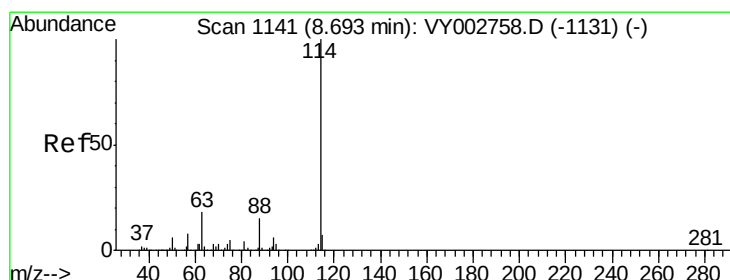
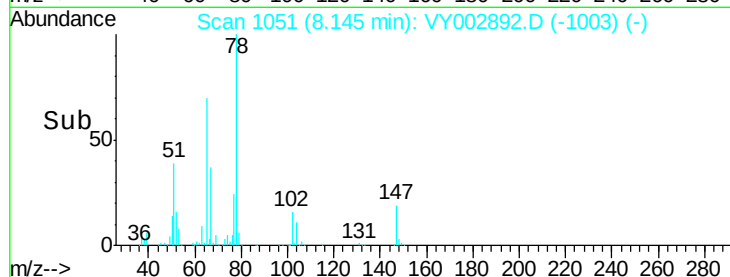
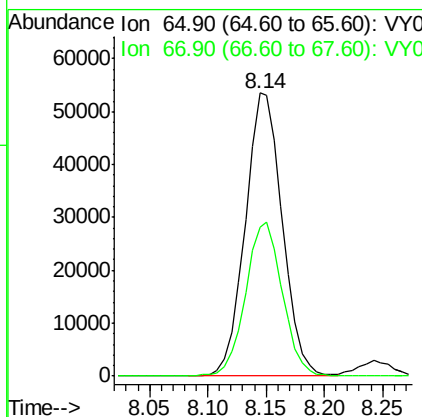
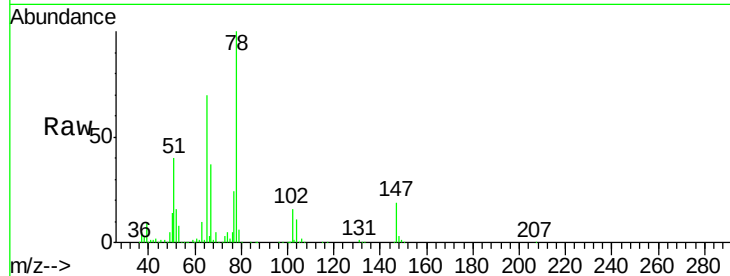
#33
 1,2-Dichloroethane-d4
 Concen: 48.672 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

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

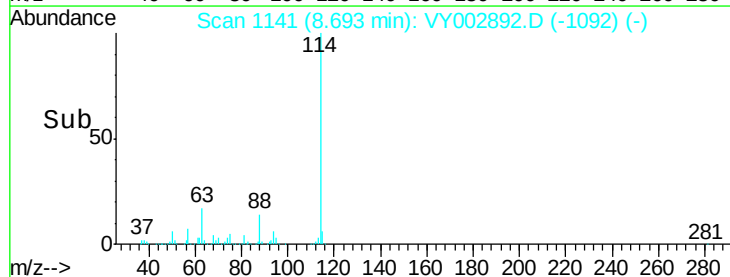
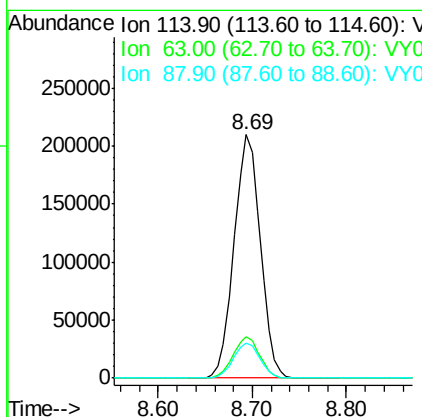
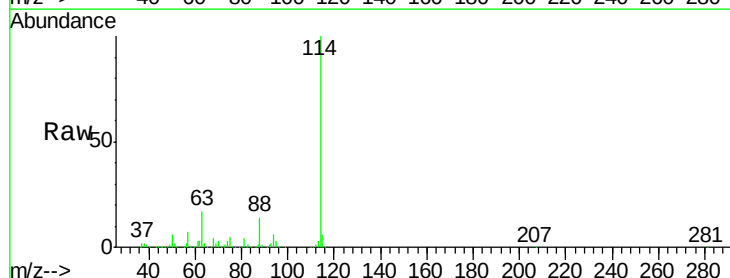
Manual Integrations
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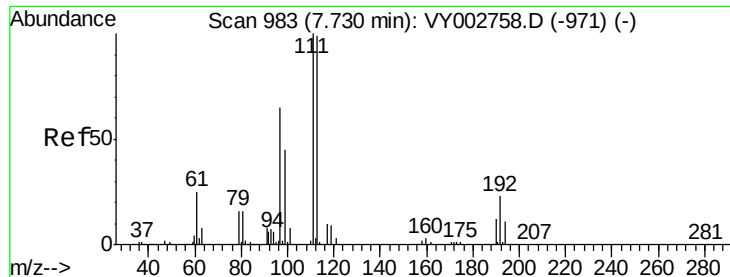
MMDadoda
 6/16/2020 3:22:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.2	0.0	35.2	
88	14.5	0.0	29.2	





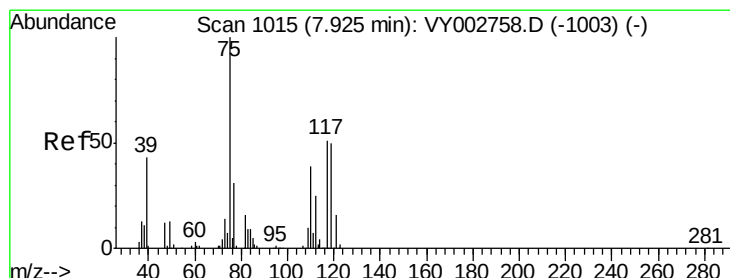
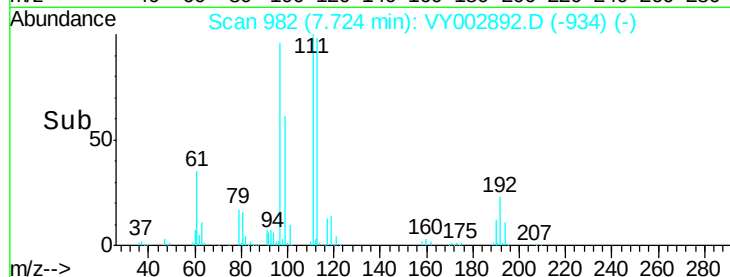
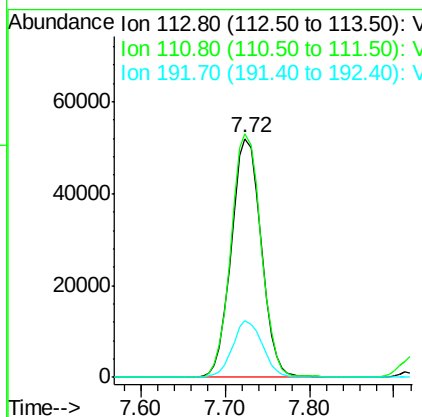
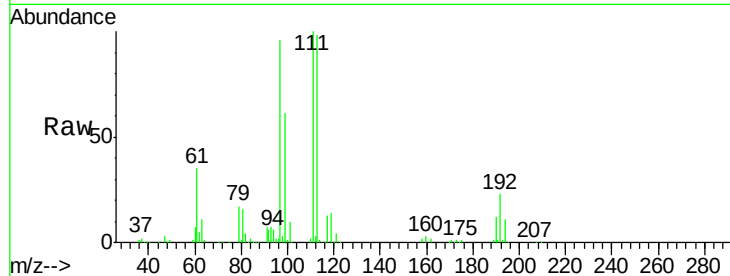
#35
Dibromofluoromethane
Concen: 52.098 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124181		
111	102.7	82.0	123.0	
192	23.6	18.9	28.3	

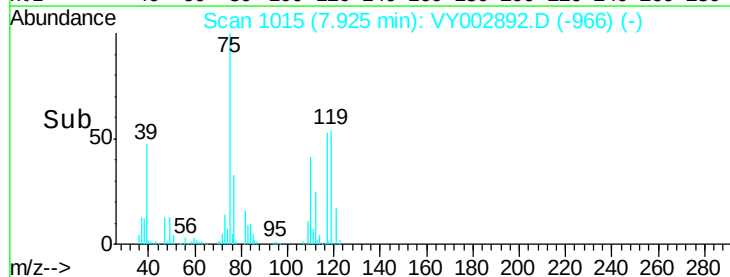
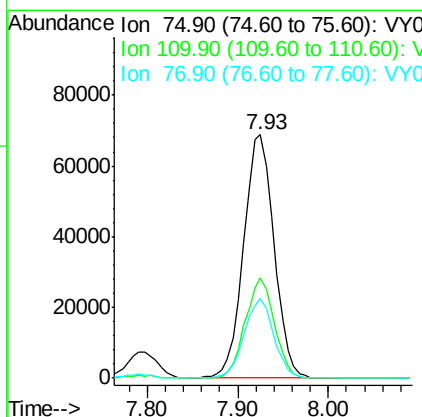
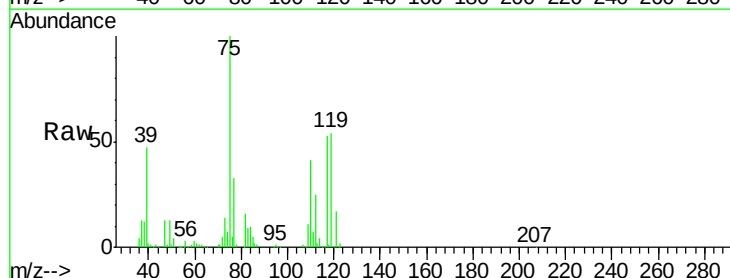
Manual Integrations
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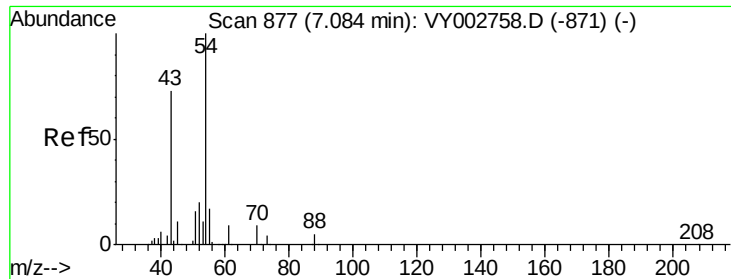
MMDadoda
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#36
1,1-Dichloropropene
Concen: 46.594 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	159637		
110	39.4	19.3	57.9	
77	31.8	24.8	37.2	





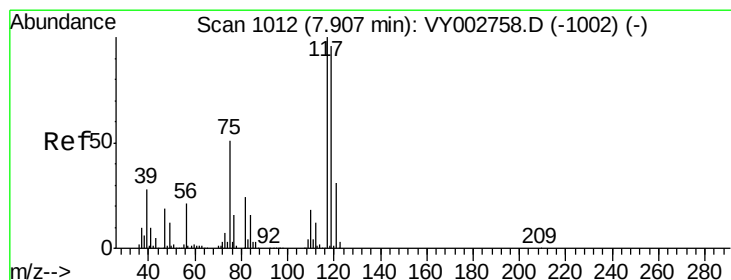
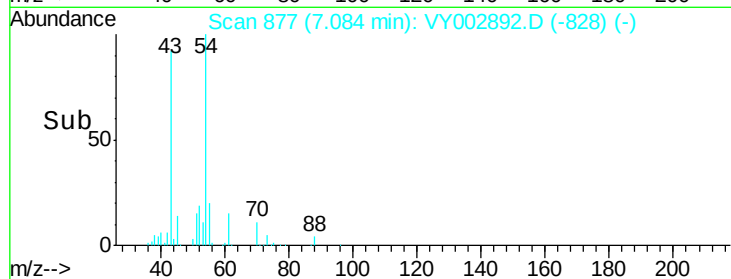
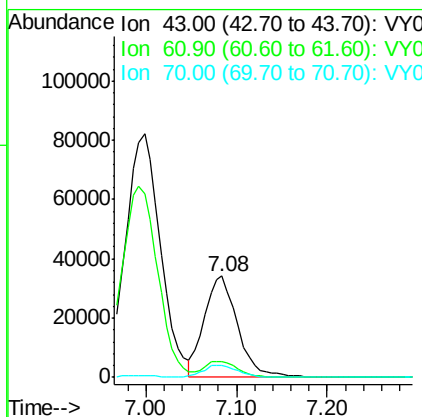
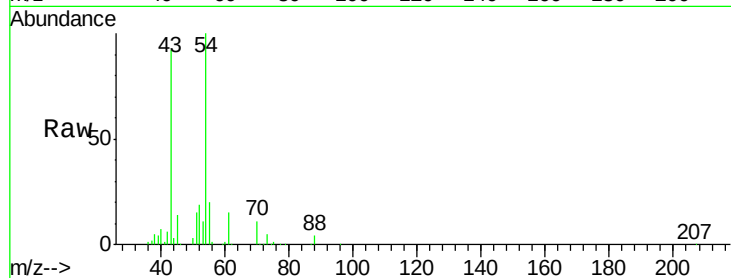
#37
Ethyl Acetate
Concen: 47.297 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.9	17.9
70	12.1	9.1	13.7

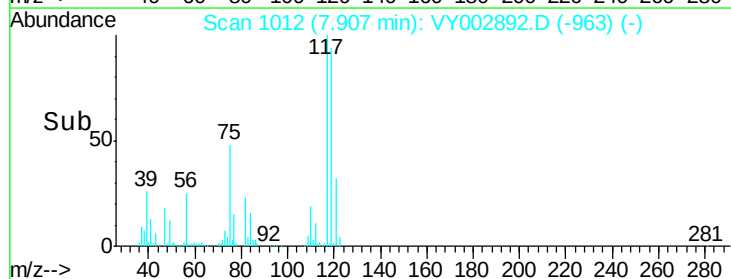
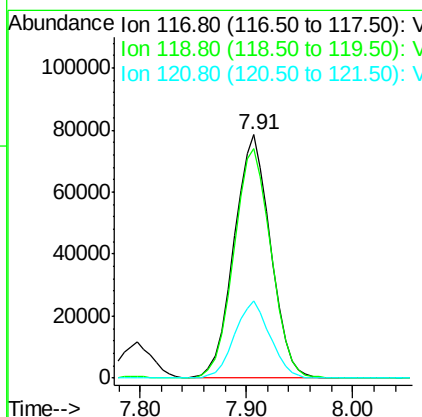
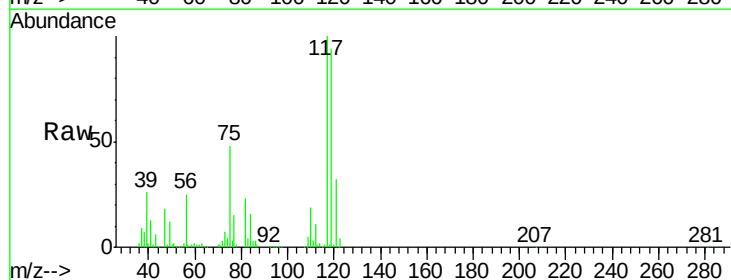
Manual Integrations
APPROVED

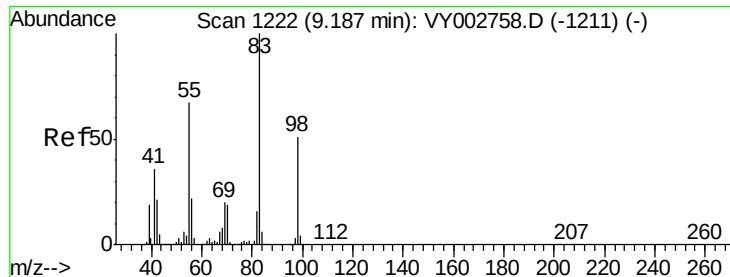
MMDadoda
6/16/2020 3:22:39 PM



#38
Carbon Tetrachloride
Concen: 49.529 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.8	115.2
121	31.8	24.8	37.2





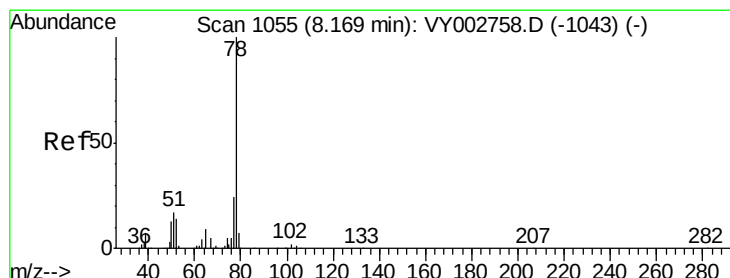
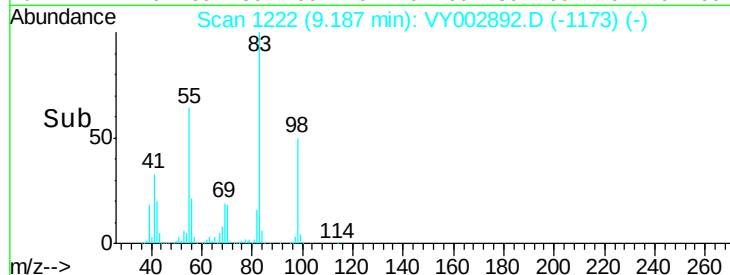
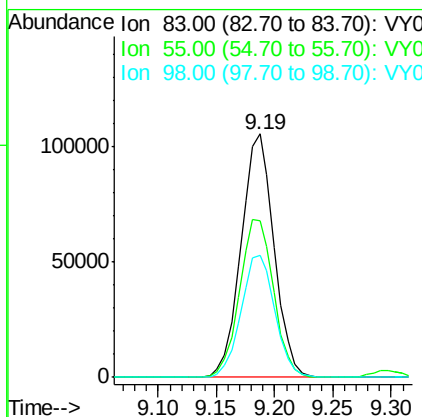
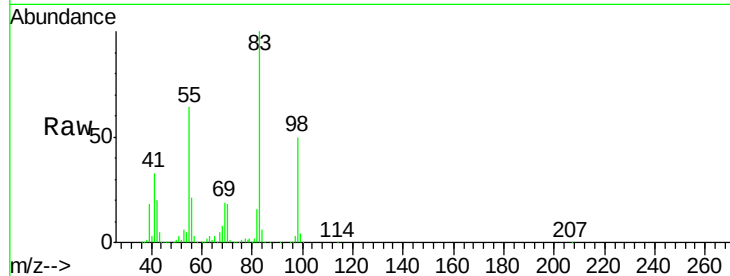
#39
Methylvlcyclohexane
Concen: 46.038 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.1	53.3	79.9
98	50.1	41.1	61.7

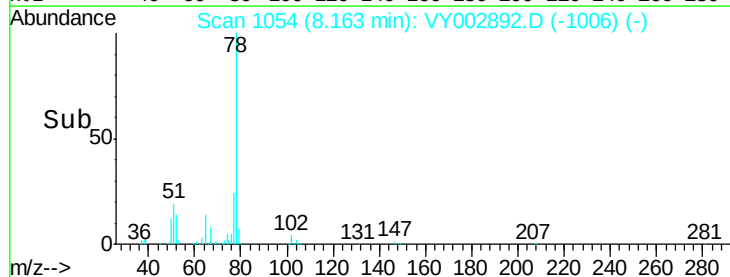
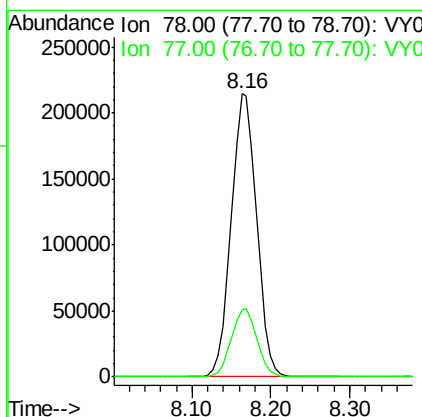
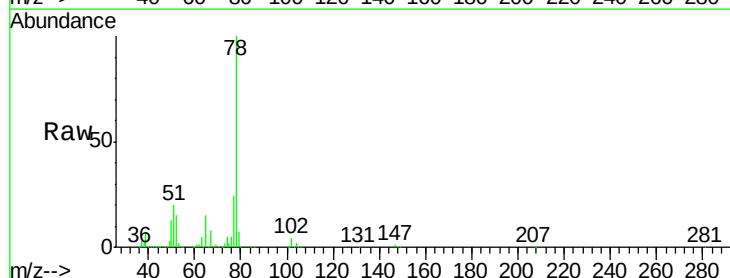
Manual Integrations
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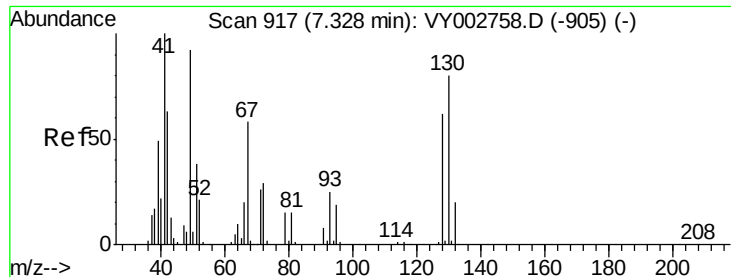
MMDadoda
6/16/2020 3:22:39 PM



#40
Benzene
Concen: 47.548 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





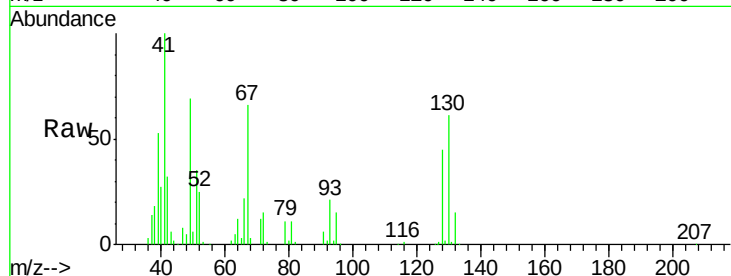
#41
Methacrylonitrile
Concen: 45.529 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

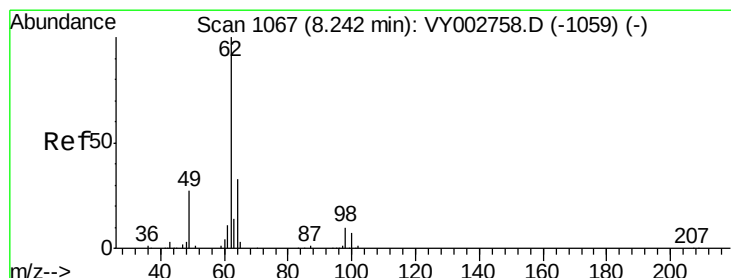
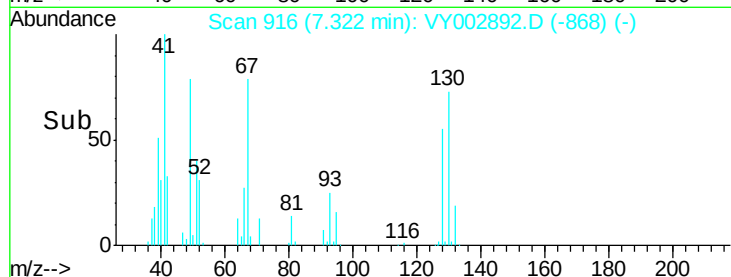
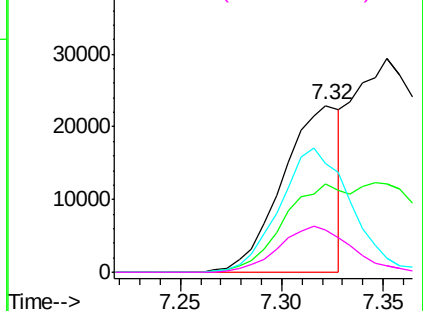
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	97.6	146.4#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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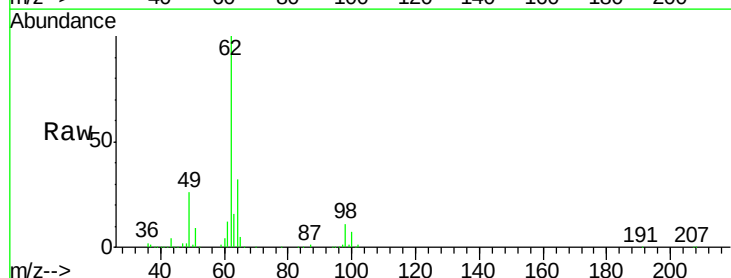


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

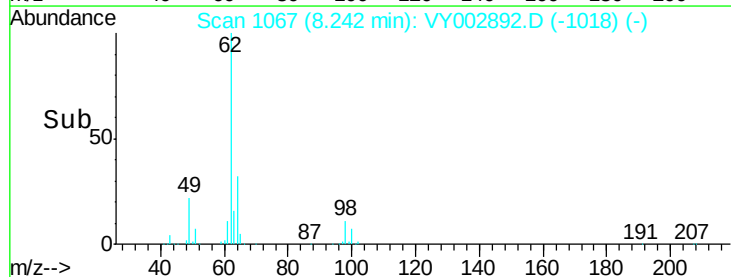
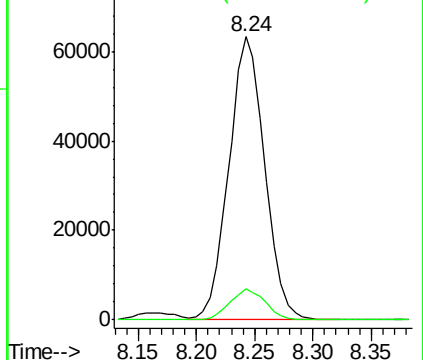


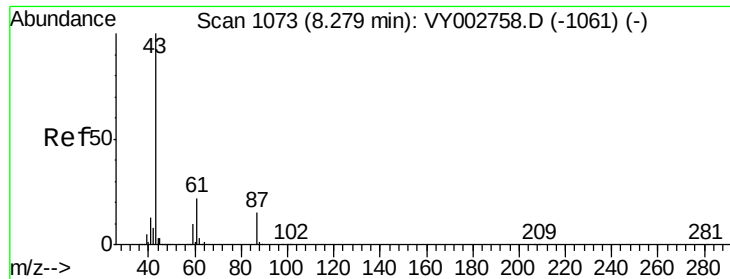
#42
1,2-Dichloroethane
Concen: 47.695 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.6



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0





#43

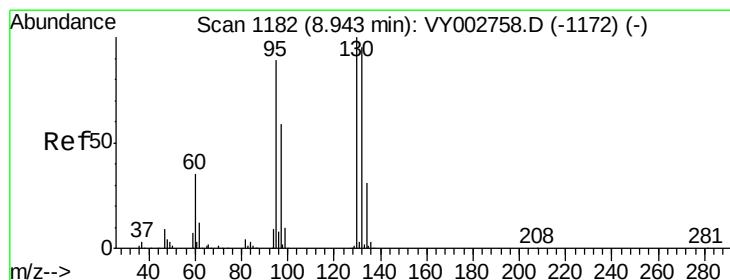
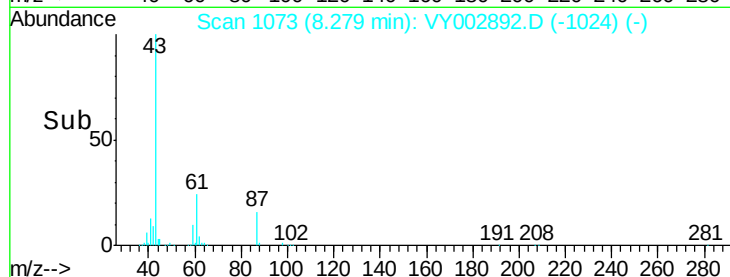
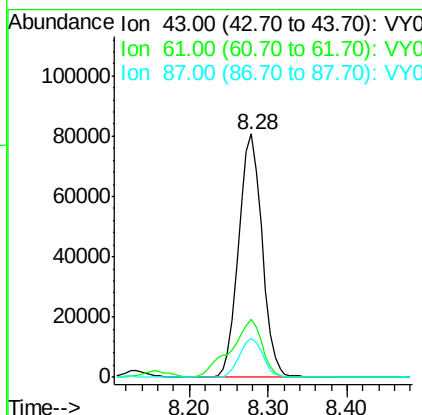
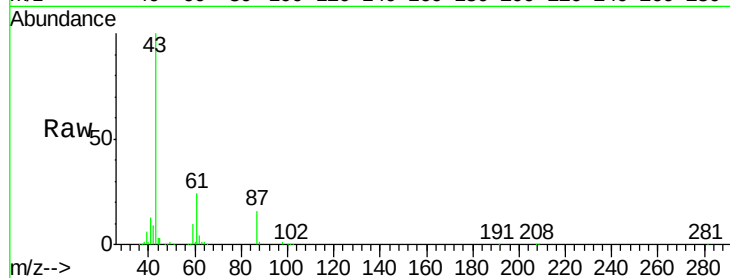
Isopropyl Acetate
 Concen: 47.467 ug/l
 RT: 8.28 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	24.8	37.2
87	16.2	12.4	18.6

Manual Integrations
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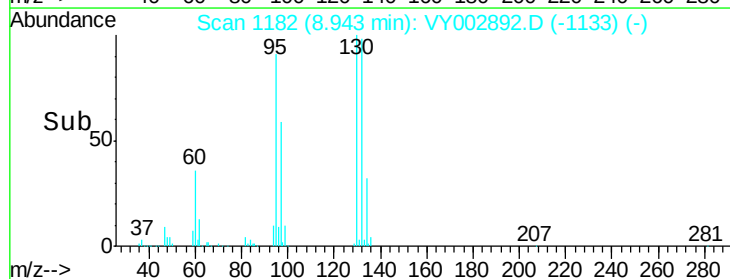
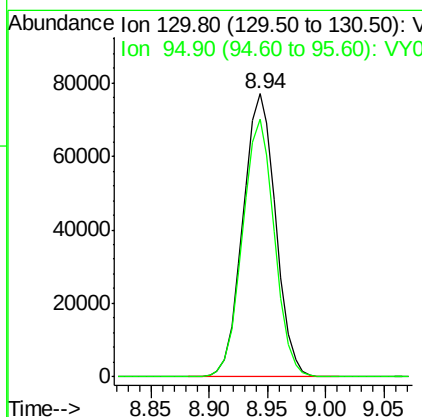
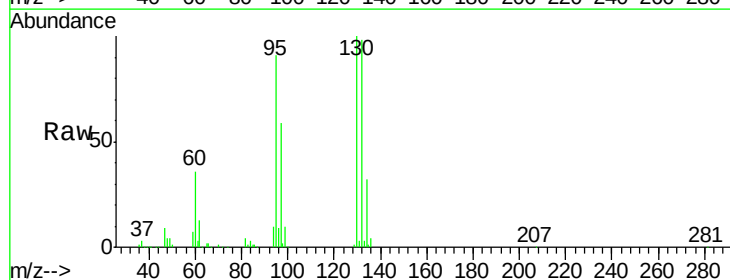
MMDadoda
 6/16/2020 3:22:39 PM

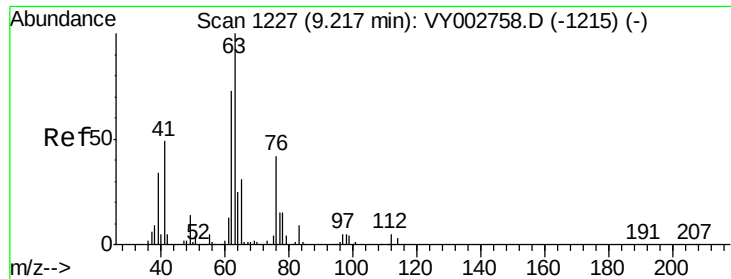


#44

Trichloroethene
 Concen: 47.272 ug/l
 RT: 8.94 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	178.8





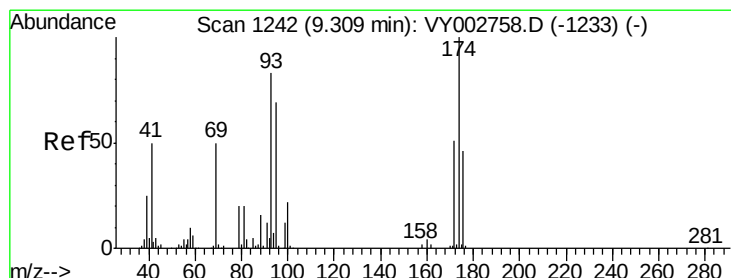
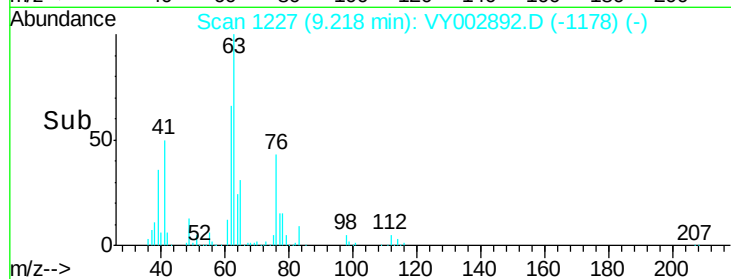
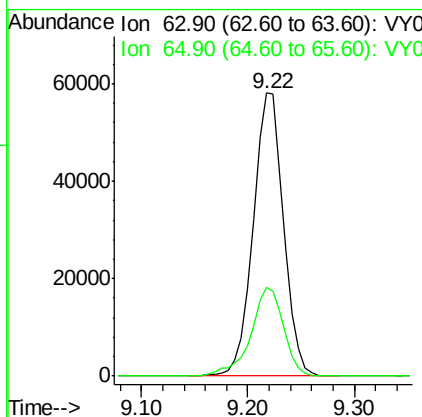
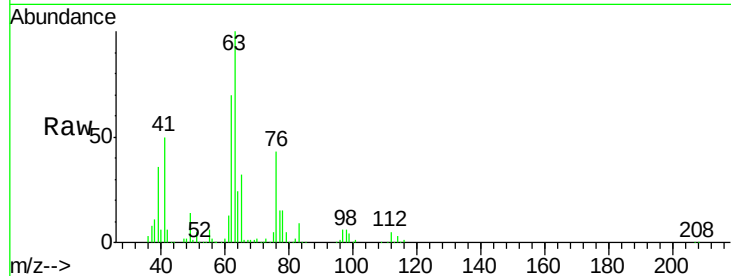
#45
 1,2-Dichloropropane
 Concen: 47.914 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.8	37.2

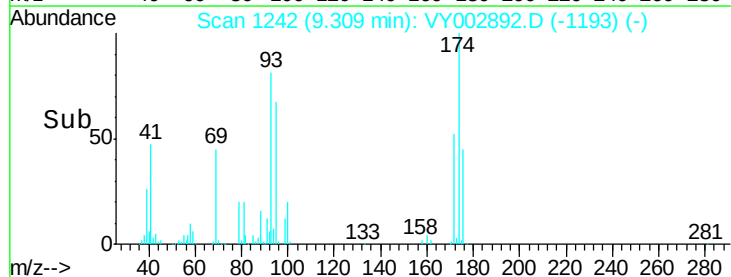
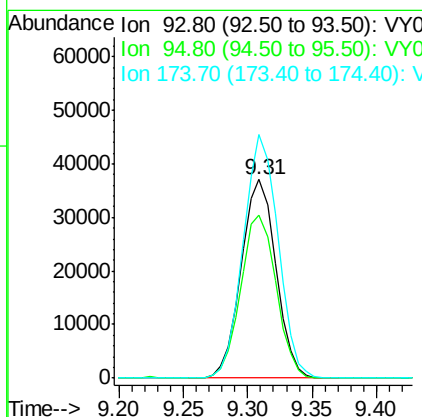
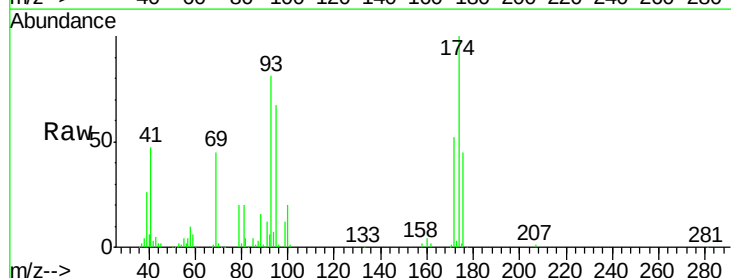
Manual Integrations
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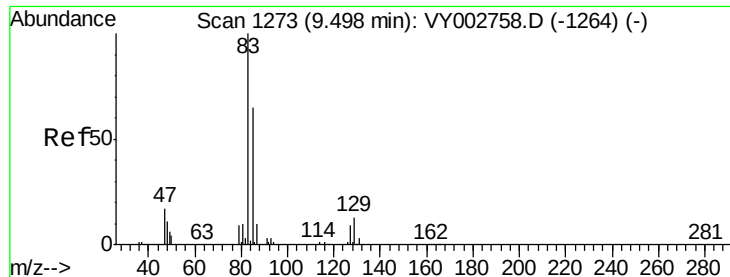
MMDadoda
 6/16/2020 3:22:39 PM



#46
 Dibromomethane
 Concen: 48.078 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.9	100.3
174	122.5	97.7	146.5





#47

Bromodichloromethane

Concen: 49.840 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

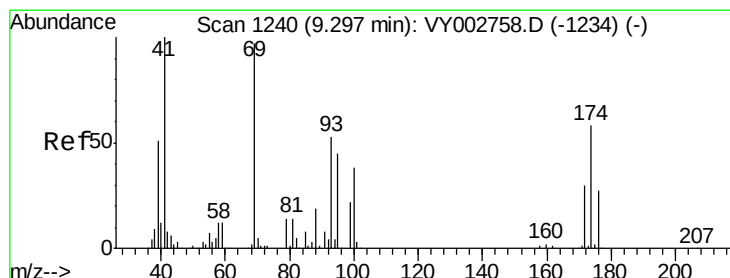
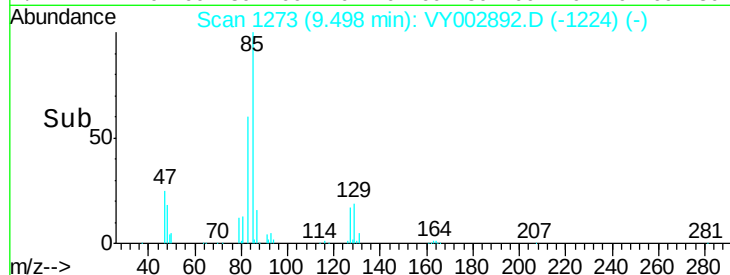
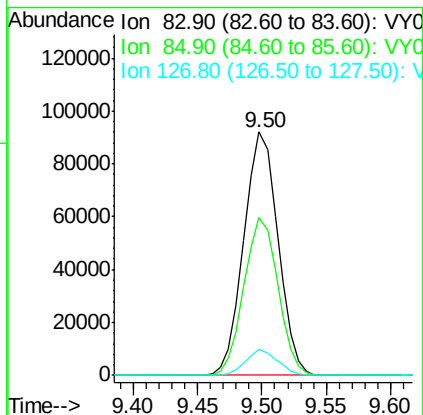
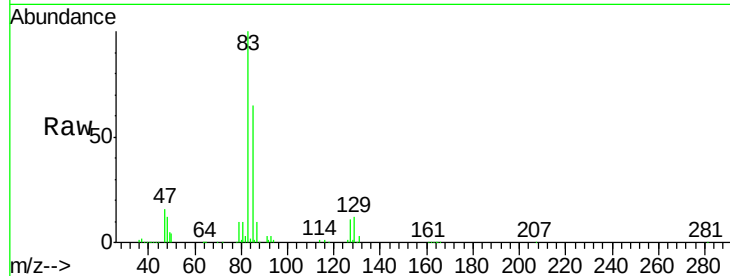
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	169405
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.9	77.9
127	10.6	7.1	10.7

Manual Integrations
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MMDadoda
6/16/2020 3:22:39 PM



#48

Methyl methacrylate

Concen: 47.225 ug/l

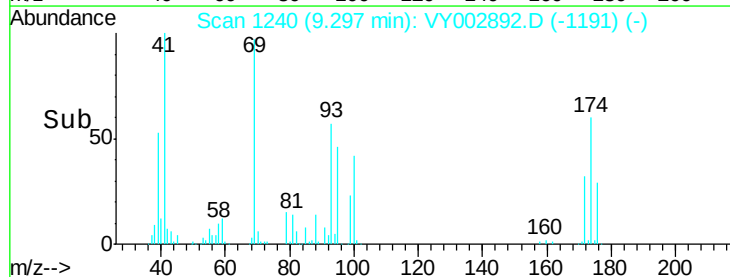
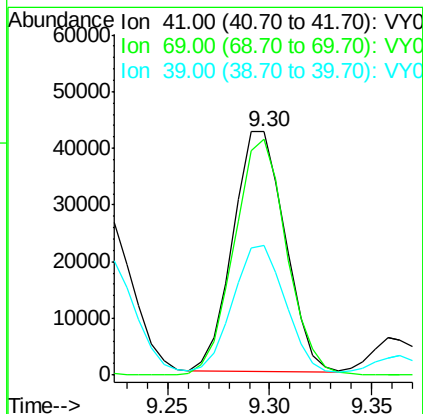
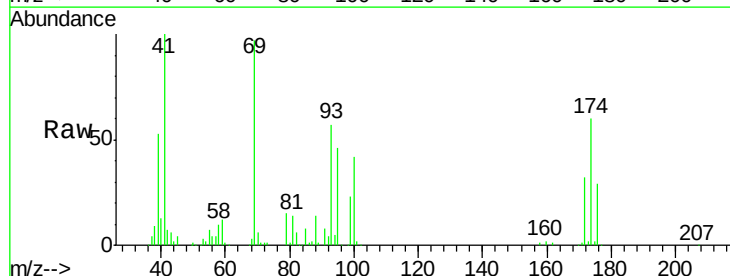
RT: 9.30 min Scan# 1240

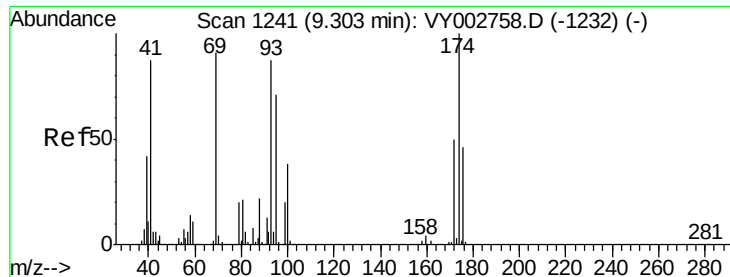
Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Tgt Ion:	41	Resp:	75307
Ion	Ratio	Lower	Upper
41	100		
69	98.9	79.7	119.5
39	55.6	43.3	64.9





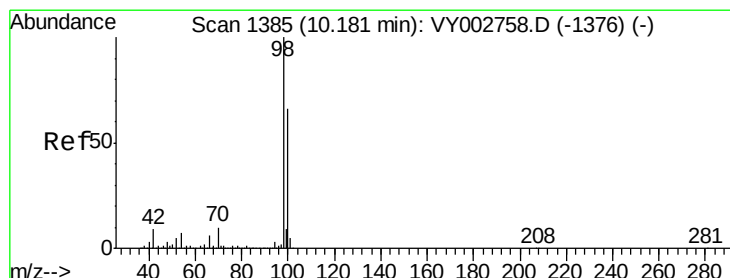
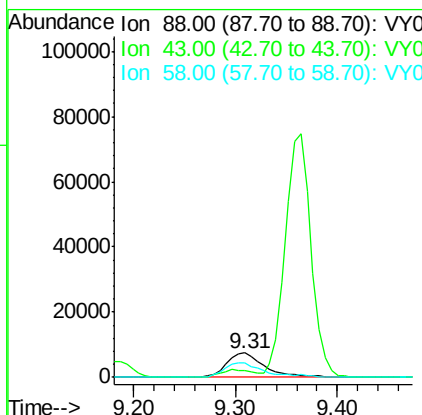
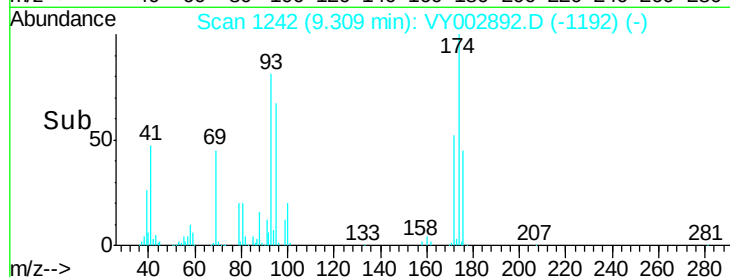
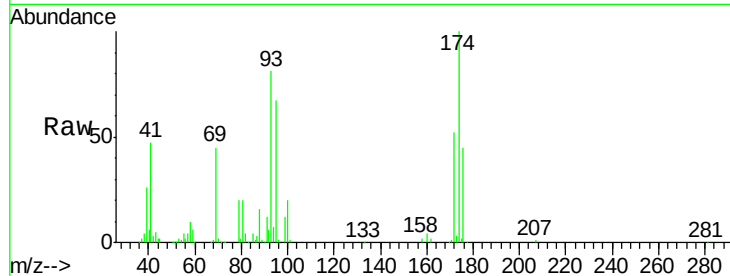
#49
1,4-Dioxane
Concen: 879.341 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	19467
Ion Ratio	Lower	Upper	
88	100		
43	25.3	21.3	31.9
58	64.4	52.2	78.2

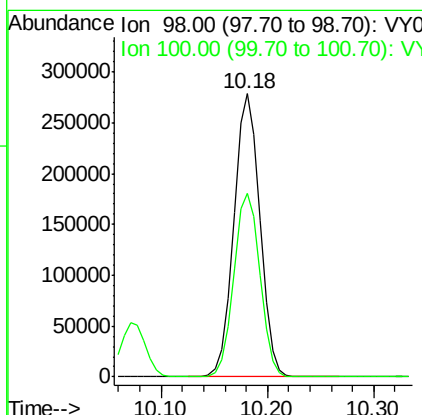
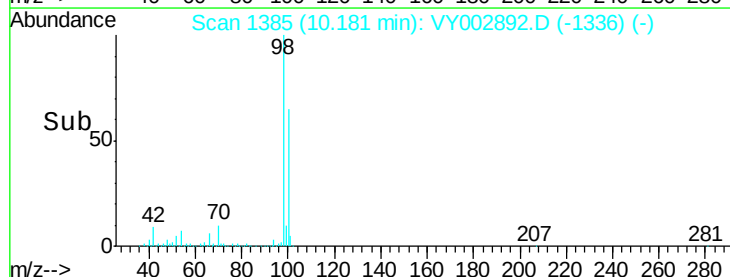
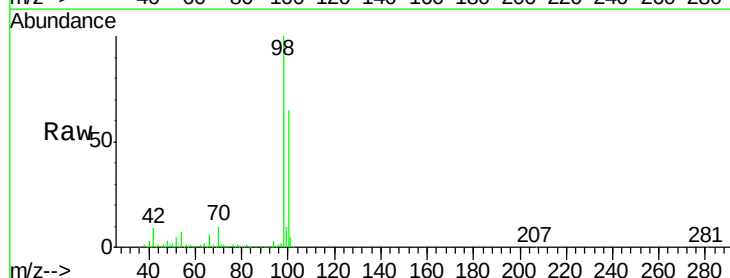
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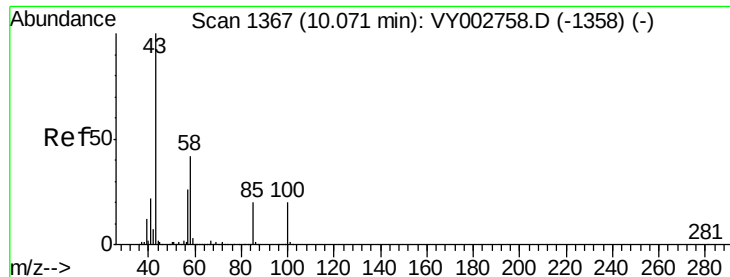
MMDadoda
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#50
Toluene-d8
Concen: 49.575 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	98	Resp	477774
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.2	78.2





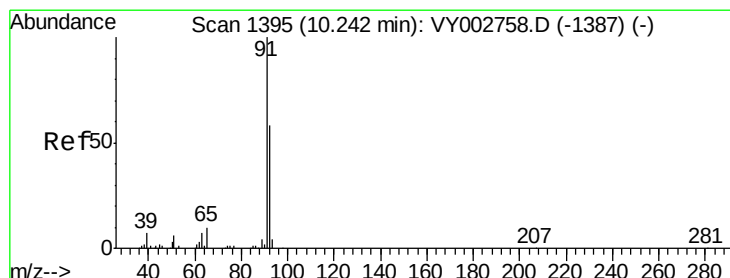
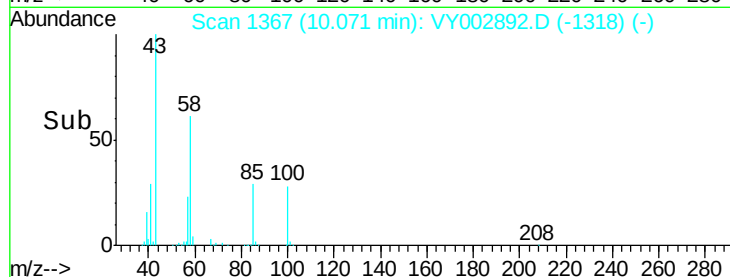
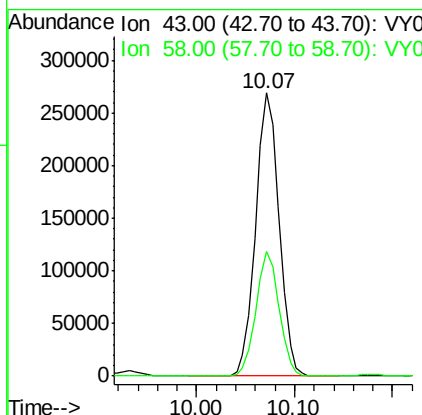
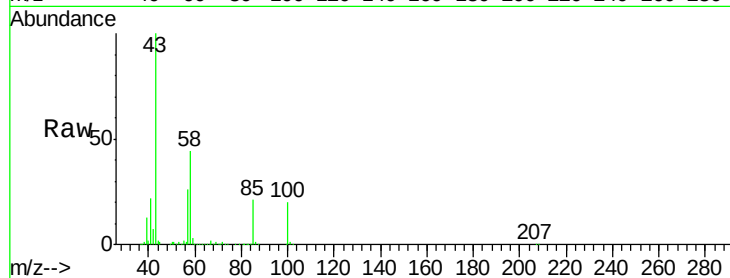
#51
4-Methyl-2-Pentanone
Concen: 239.488 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.4	34.2	51.2

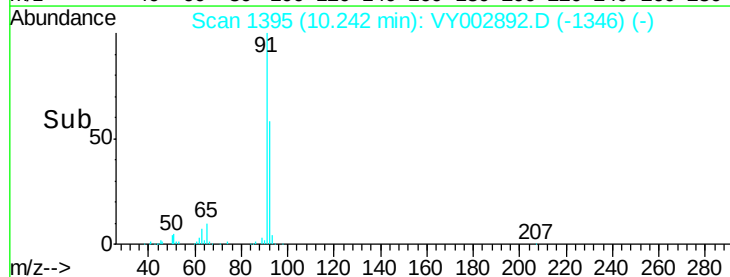
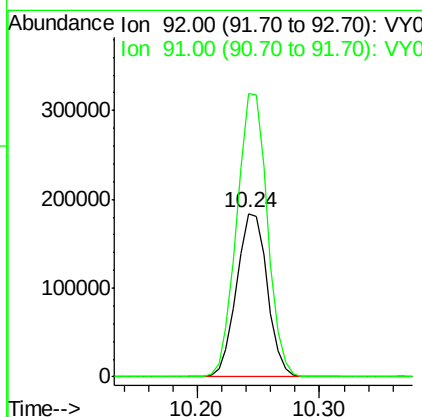
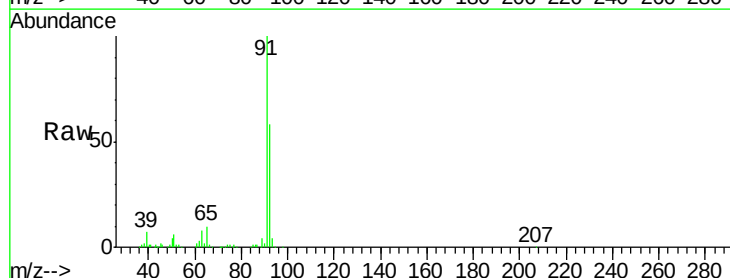
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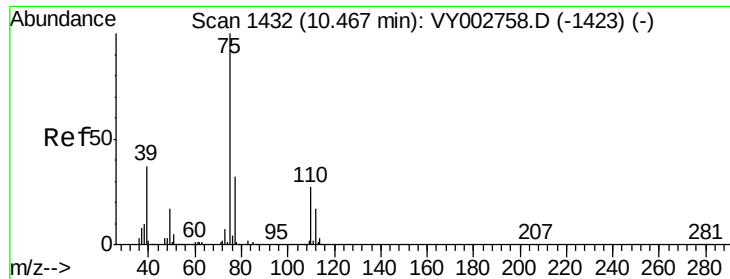
MMDadoda
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#52
Toluene
Concen: 48.266 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	138.5	207.7





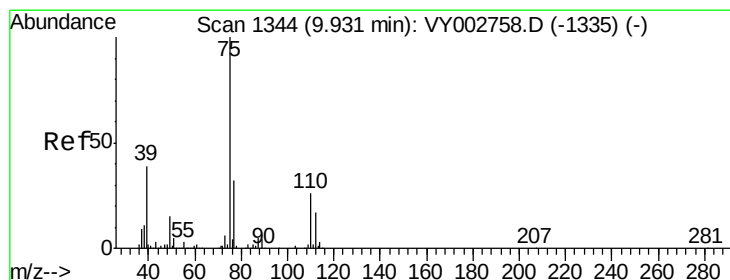
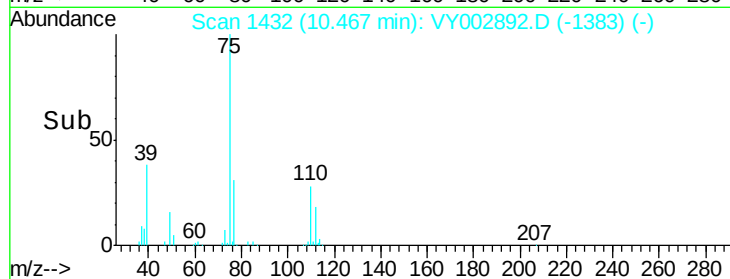
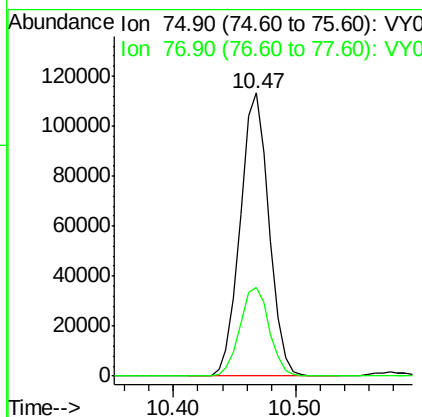
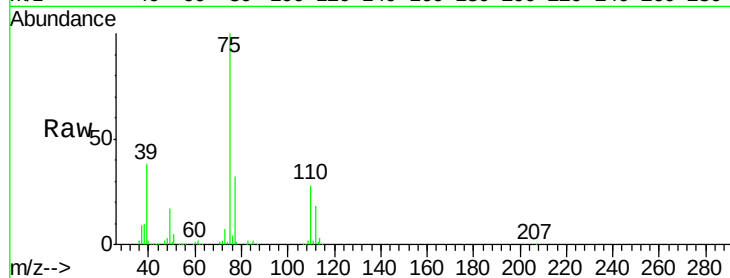
#53
 t-1,3-Dichloropropene
 Concen: 49.608 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9

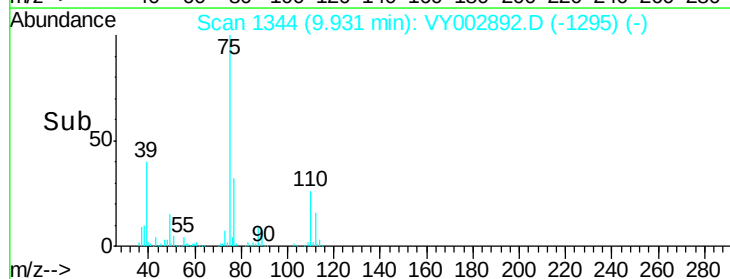
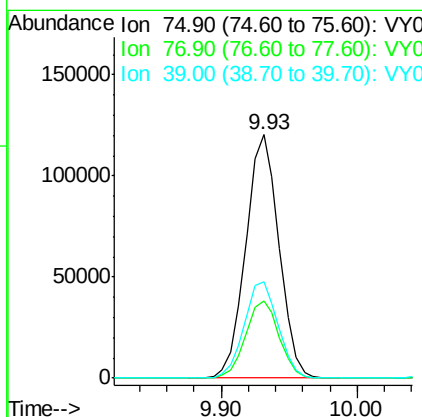
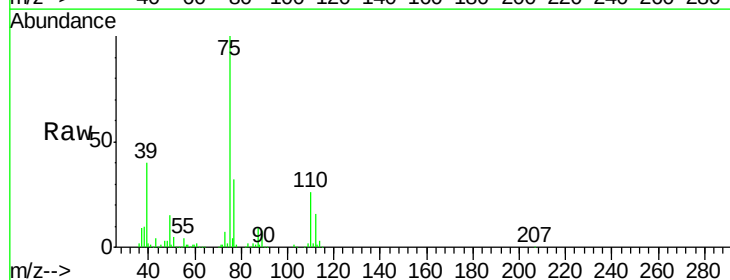
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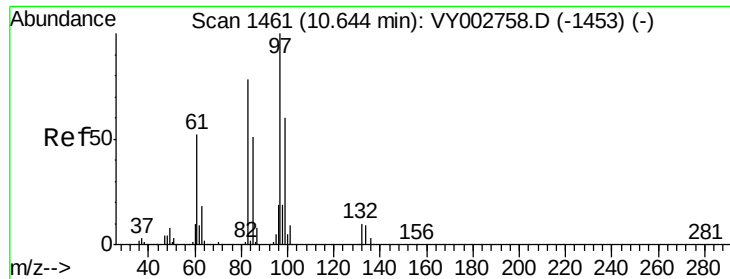
MMDadoda
 6/16/2020 3:22:39 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.792 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	39.6	31.3	46.9





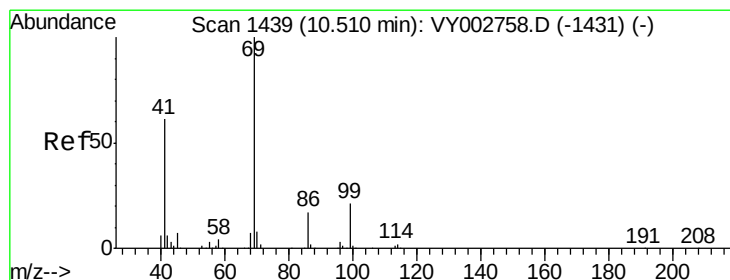
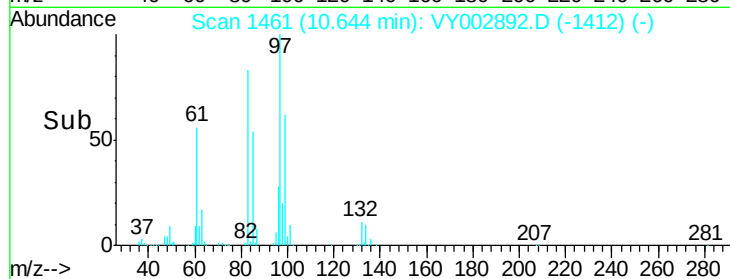
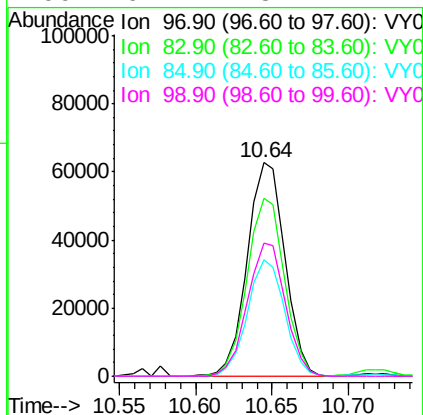
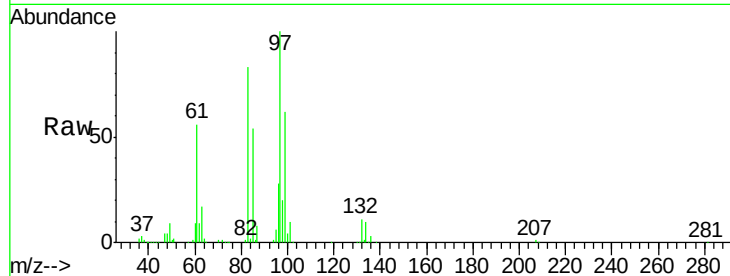
#55
 1,1,2-Trichloroethane
 Concen: 48.820 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	107762
Ion	Ratio	Lower	Upper
97	100		
83	83.4	62.7	94.1
85	54.5	40.6	60.8
99	62.4	48.2	72.4

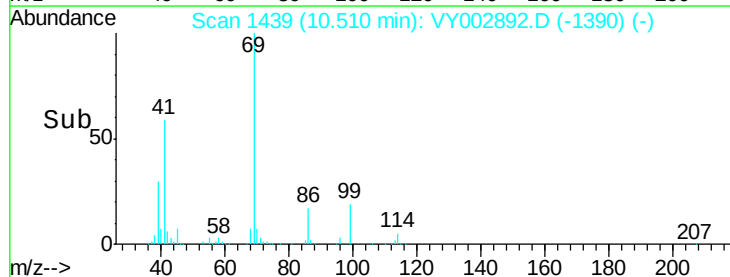
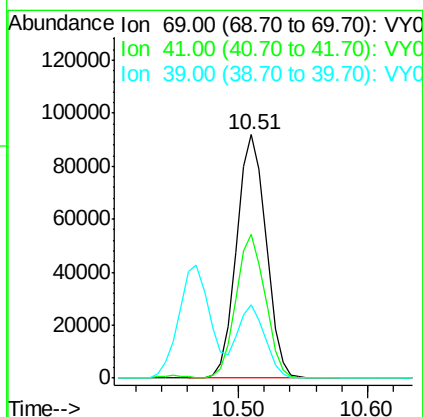
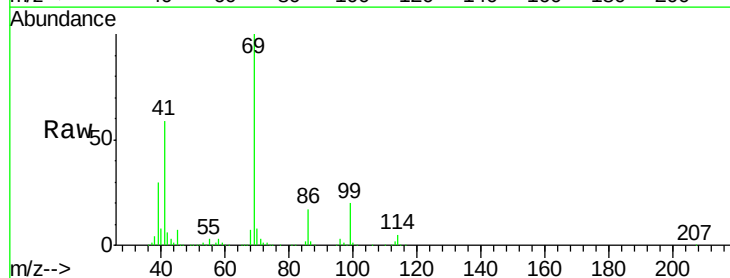
Manual Integrations
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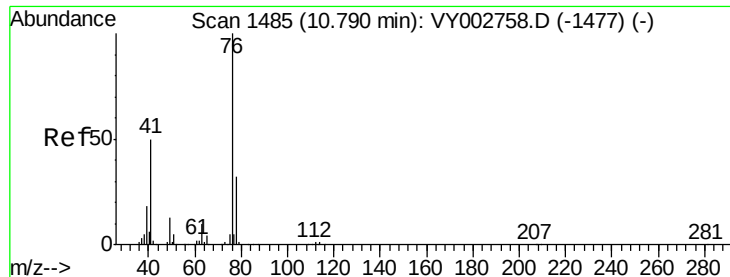
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#56
 Ethyl methacrylate
 Concen: 49.268 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	69	Resp	145662
Ion	Ratio	Lower	Upper
69	100		
41	58.3	47.0	70.4
39	27.0	22.0	33.0





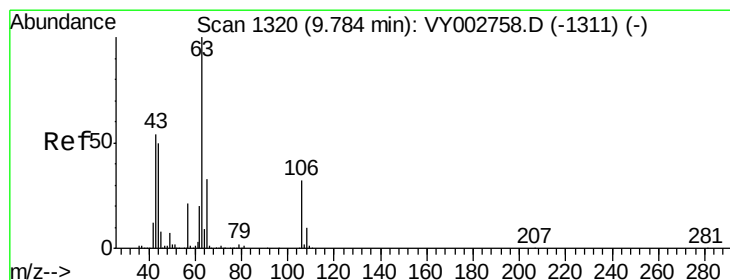
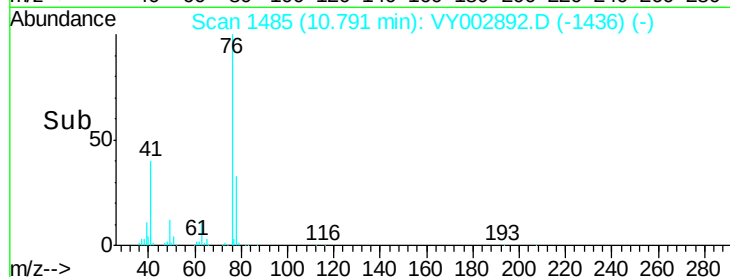
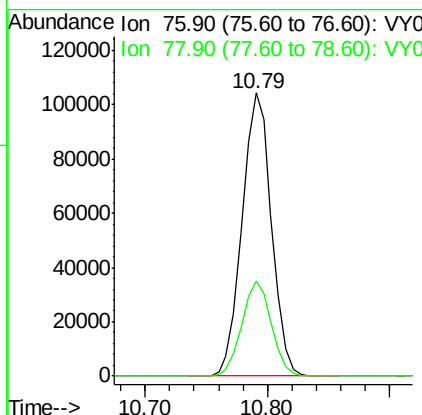
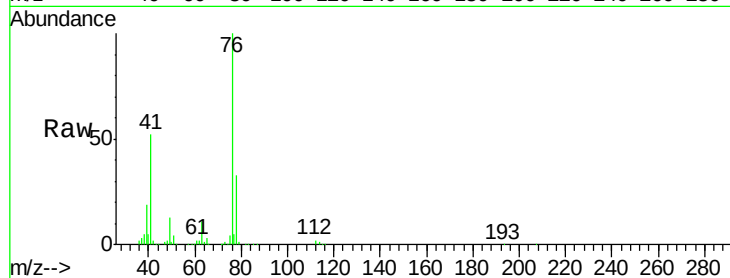
#57
 1,3-Dichloropropane
 Concen: 47.674 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.1	39.1

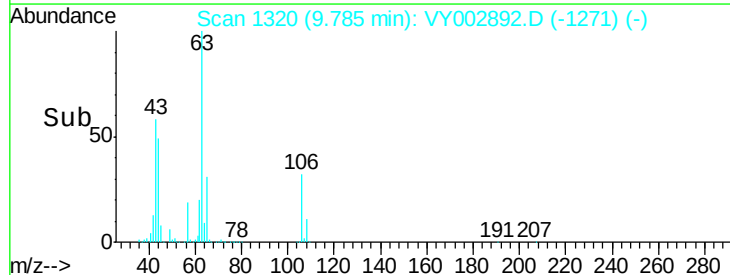
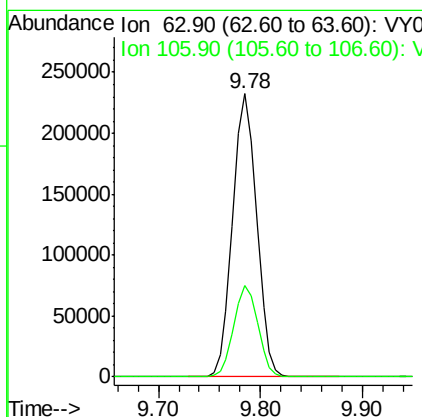
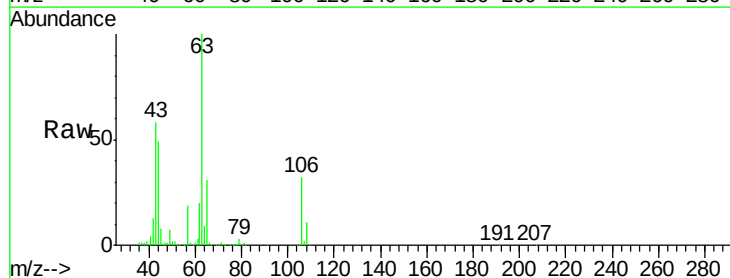
Manual Integrations
 APPROVED

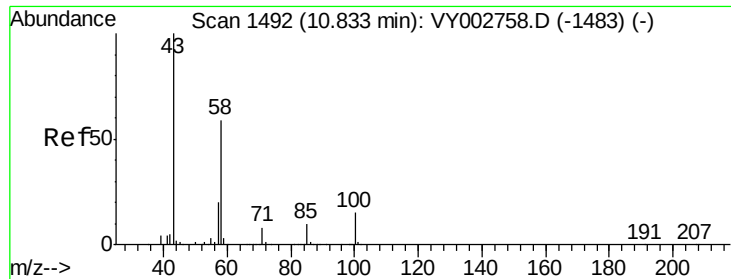
MMDadoda
 6/16/2020 3:22:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.721 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.5	25.4	38.2





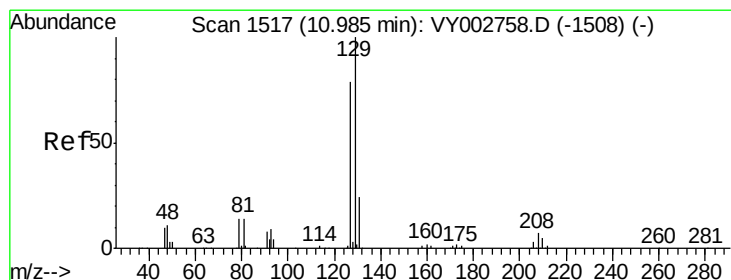
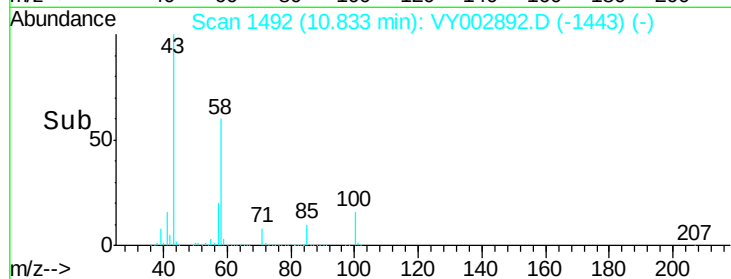
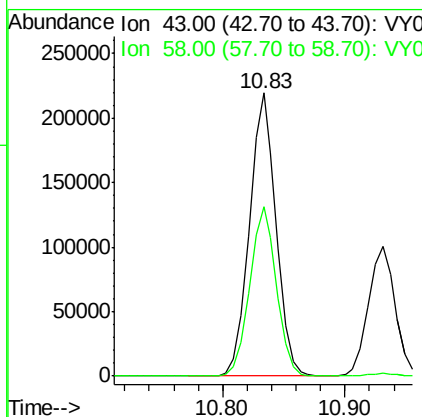
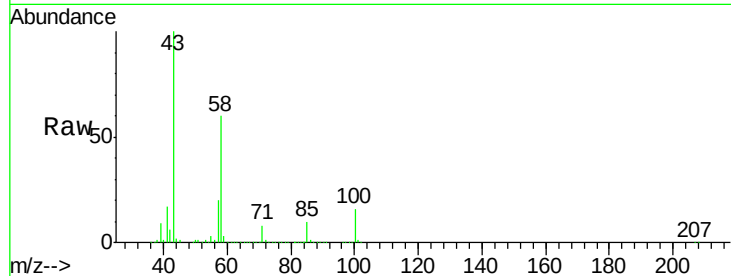
#59
2-Hexanone
Concen: 249.898 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 331656
Ion Ratio Lower Upper
43 100
58 59.9 29.5 88.5

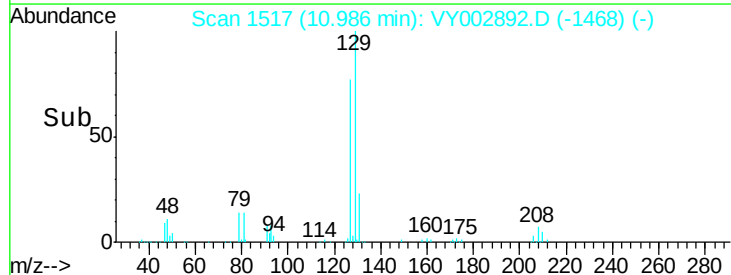
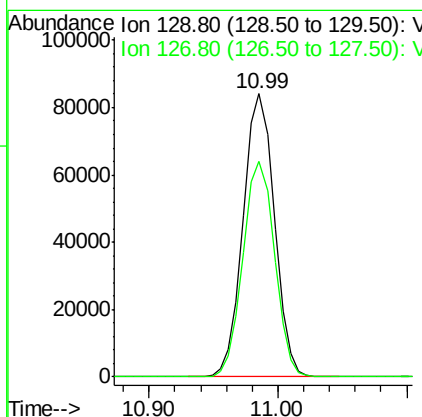
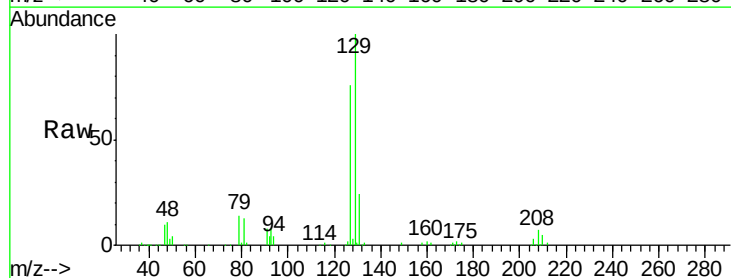
Manual Integrations
APPROVED

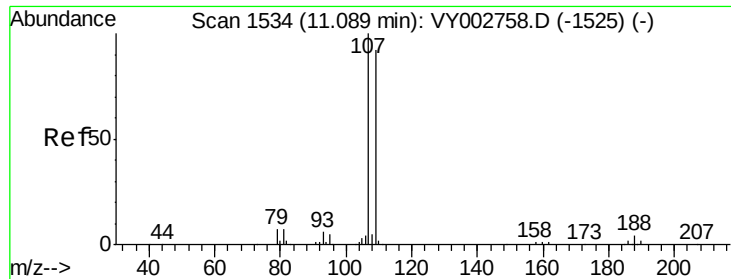
MMDadoda
6/16/2020 3:22:39 PM



#60
Dibromochloromethane
Concen: 50.403 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion: 129 Resp: 141052
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





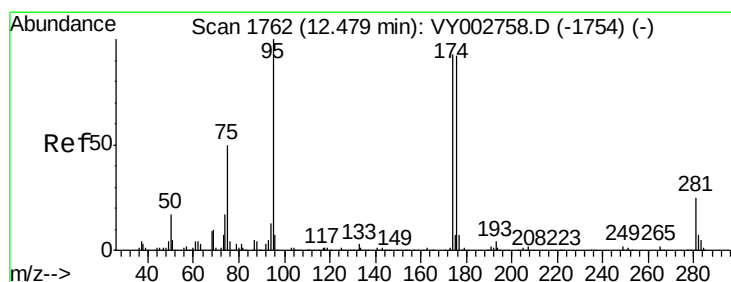
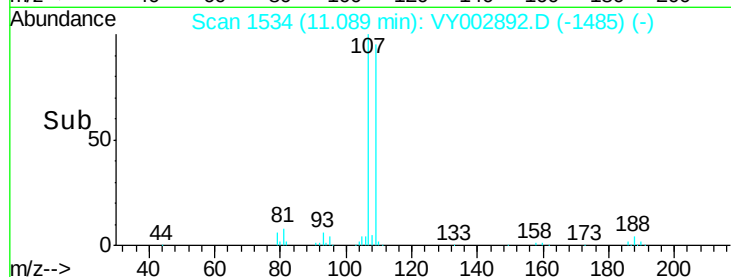
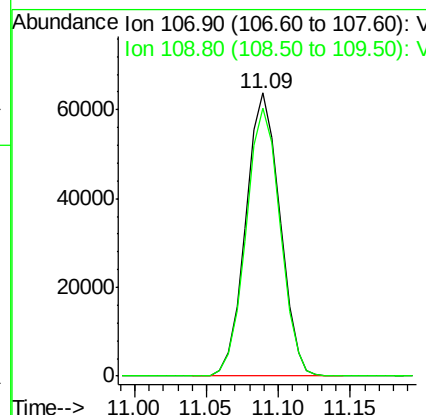
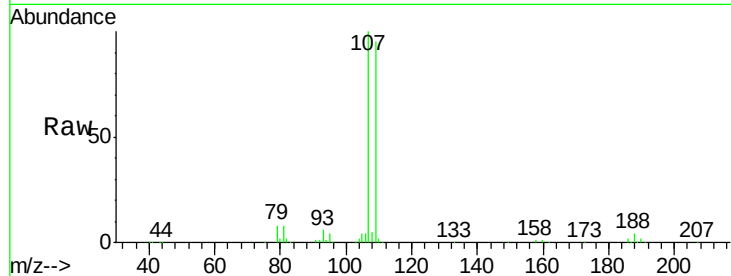
#61
 1,2-Dibromoethane
 Concen: 48.034 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4

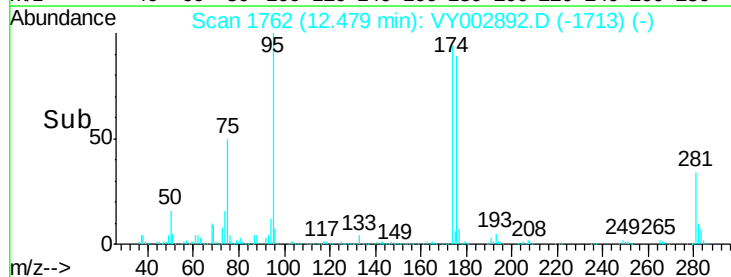
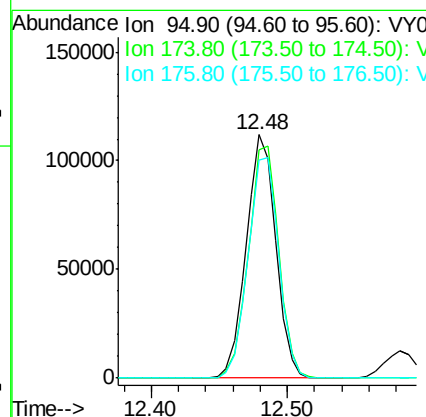
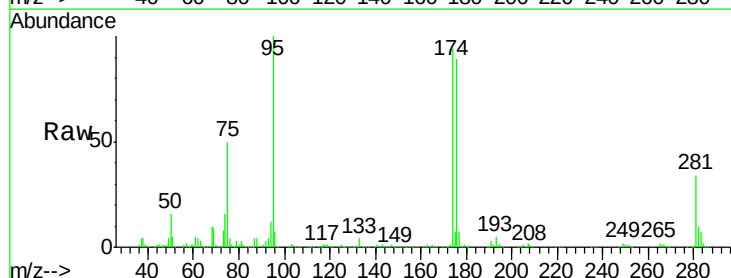
Manual Integrations
 APPROVED

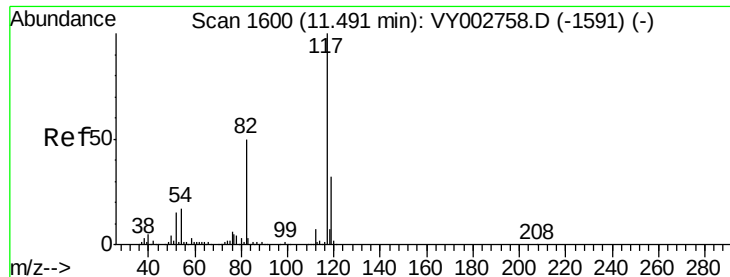
MMDadoda
 6/16/2020 3:22:39 PM



#62
 4-Bromofluorobenzene
 Concen: 51.632 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.0	0.0	191.2
176	94.5	0.0	188.8





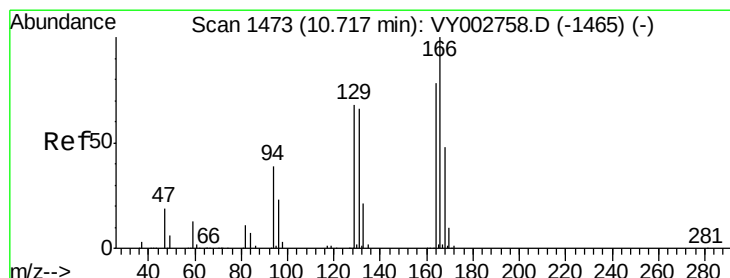
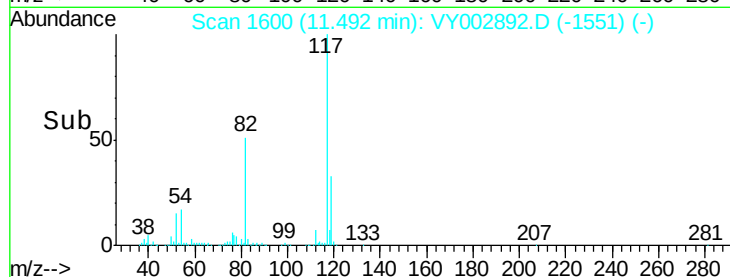
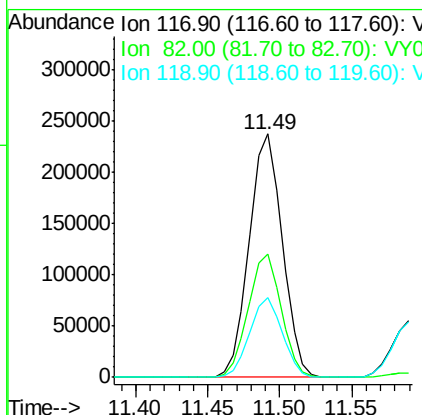
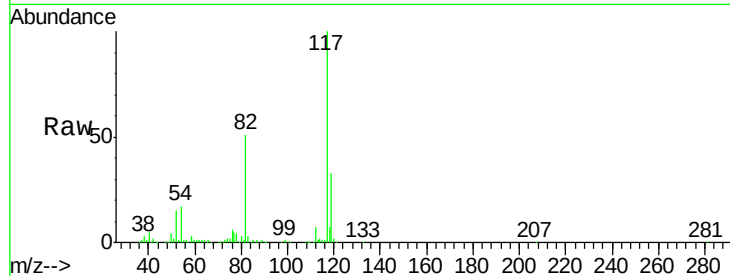
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	40.2	60.4
119	32.8	25.8	38.8

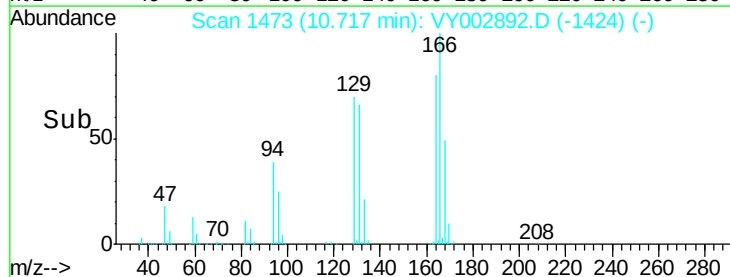
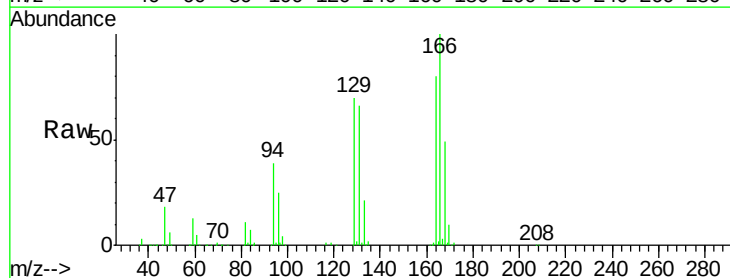
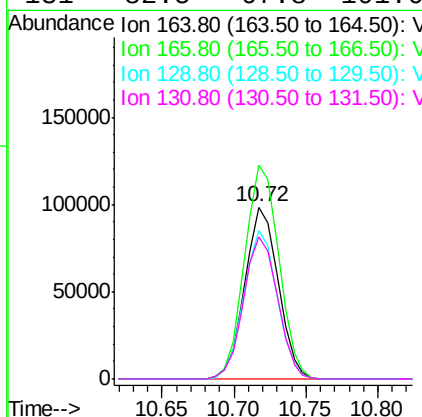
Manual Integrations
APPROVED

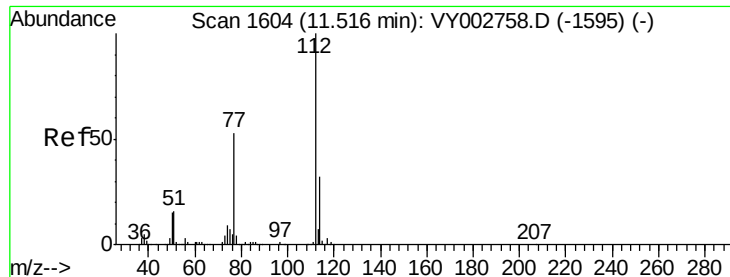
MMDadoda
6/16/2020 3:22:39 PM



#64
Tetrachloroethene
Concen: 46.039 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	102.3	153.5
129	86.8	69.4	104.2
131	82.5	67.8	101.6





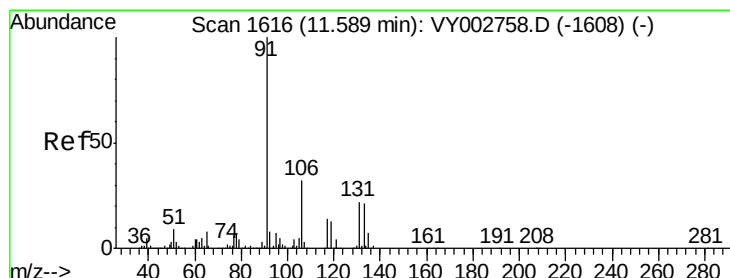
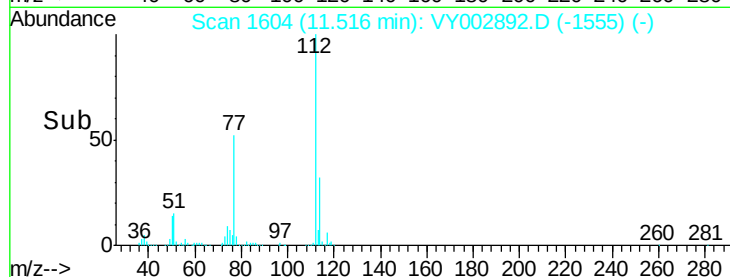
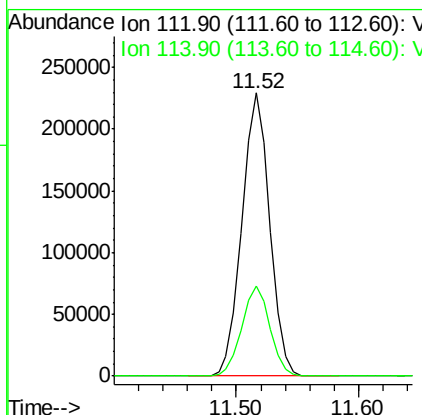
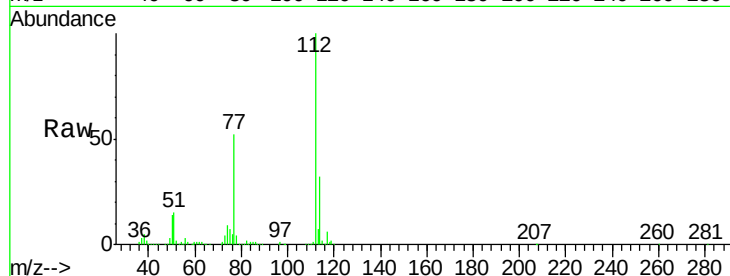
#65
Chlorobenzene
Concen: 48.398 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.7	38.5

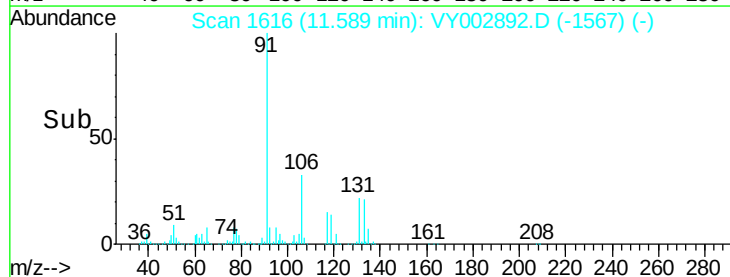
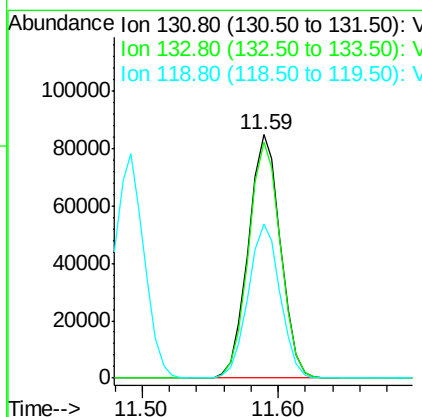
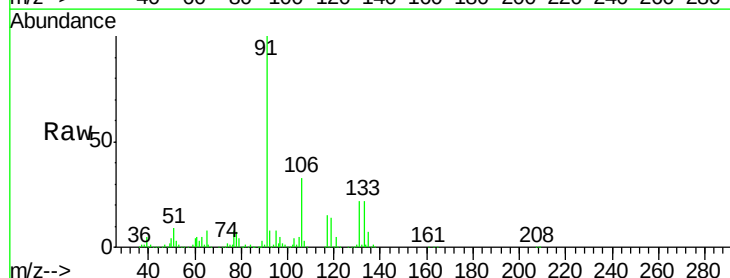
Manual Integrations
APPROVED

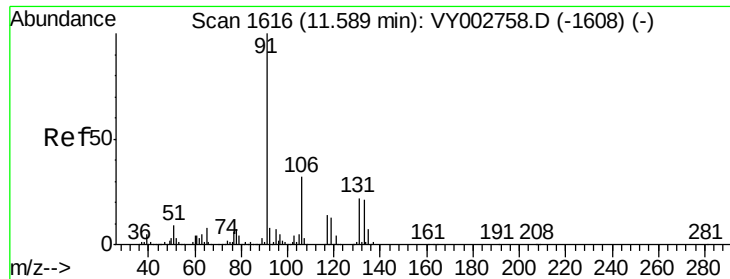
MMDadoda
6/16/2020 3:22:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.103 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.6	142.8
119	62.9	31.7	95.1





#67

Ethyl Benzene

Concen: 48.565 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 628315

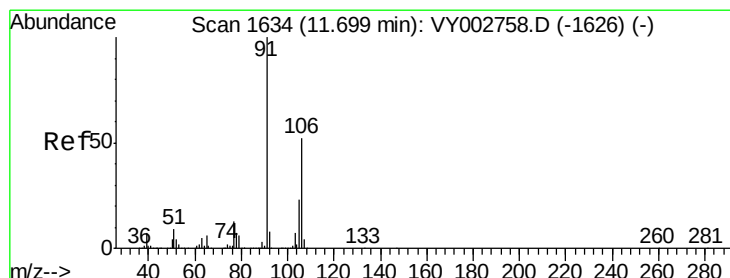
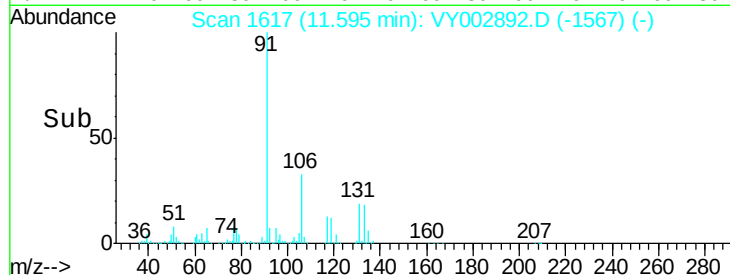
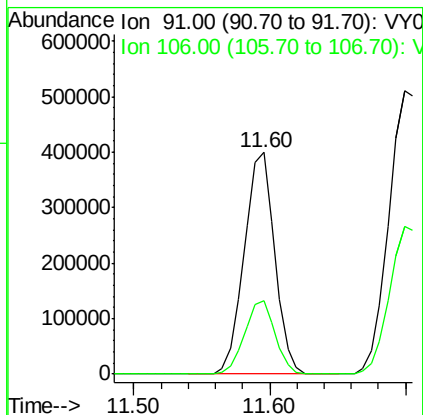
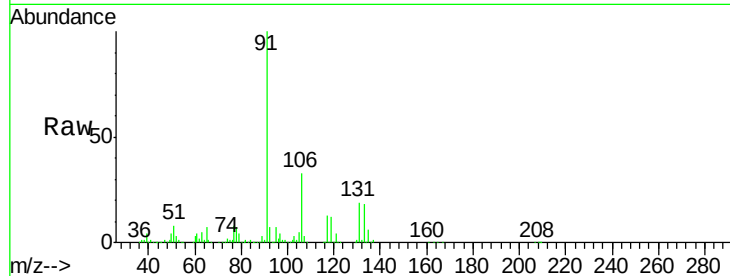
Ion Ratio Lower Upper

91 100

106 33.0 25.7 38.5

Manual Integrations
APPROVED

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6/16/2020 3:22:39 PM



#68

m/p-Xylenes

Concen: 97.574 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002892.D

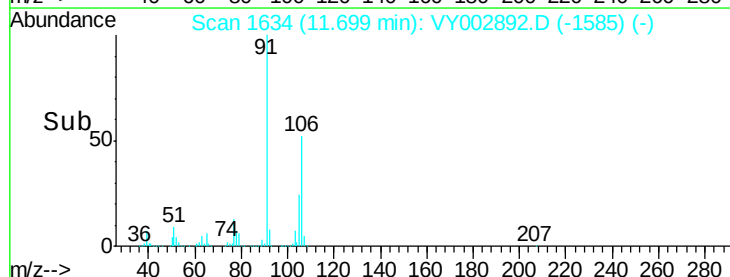
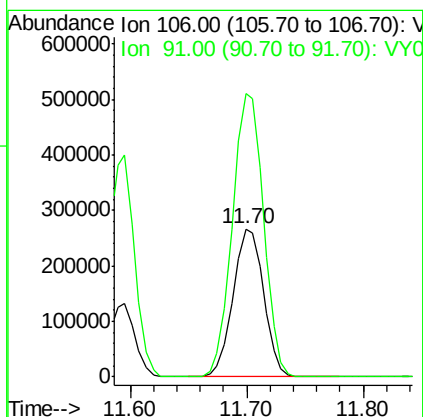
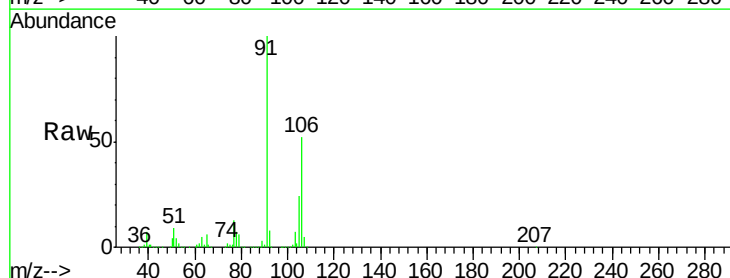
Acq: 15 Jun 2020 09:58

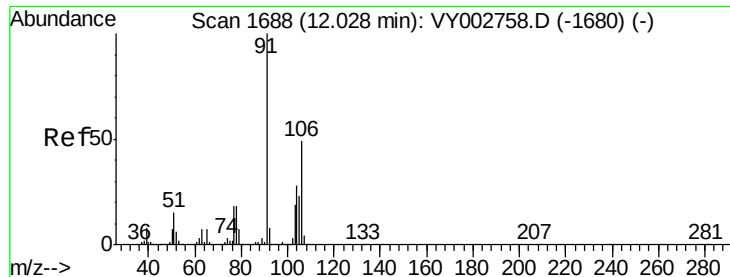
Tgt Ion: 106 Resp: 489440

Ion Ratio Lower Upper

106 100

91 194.4 156.0 234.0





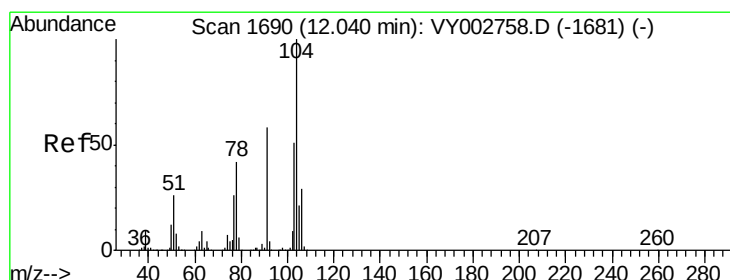
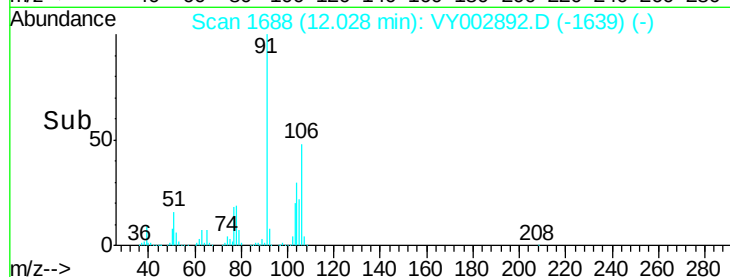
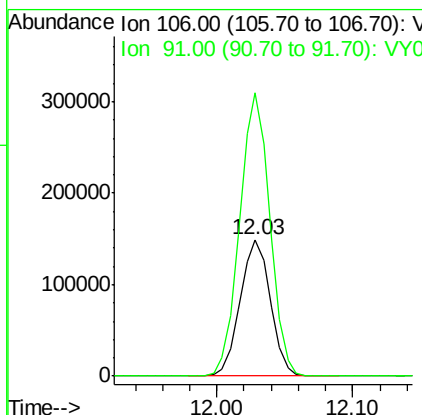
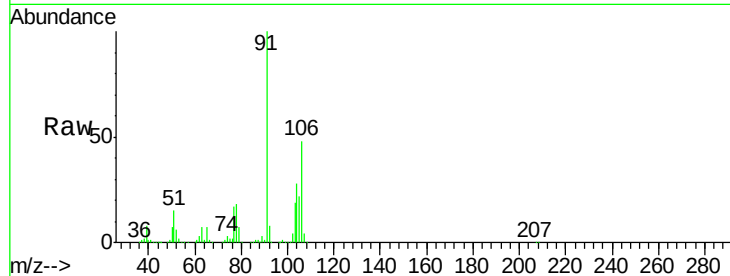
#69
o-Xylene
Concen: 48.796 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
231070	106	100		
	91	206.8	102.4	307.1

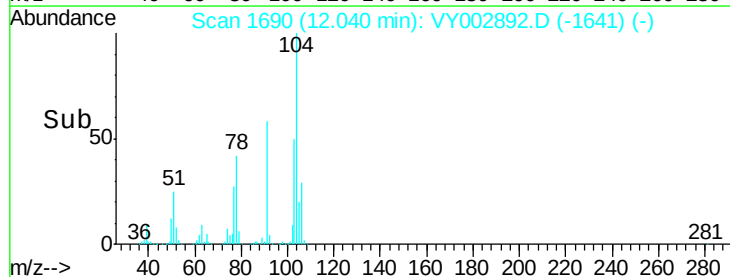
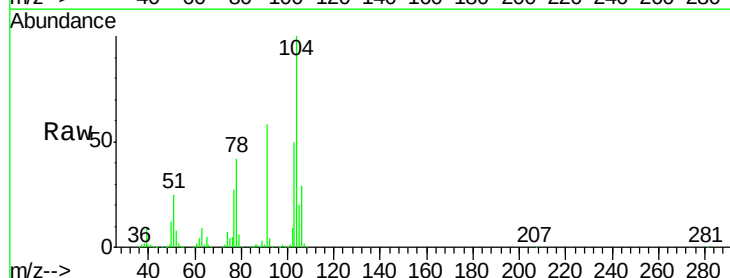
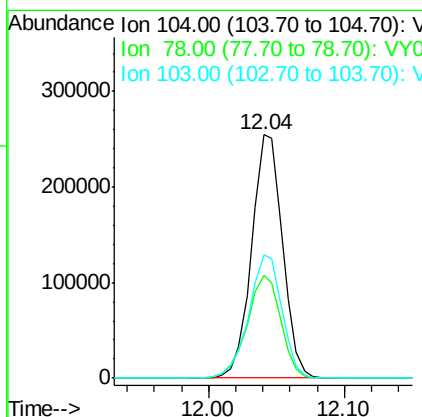
Manual Integrations
APPROVED

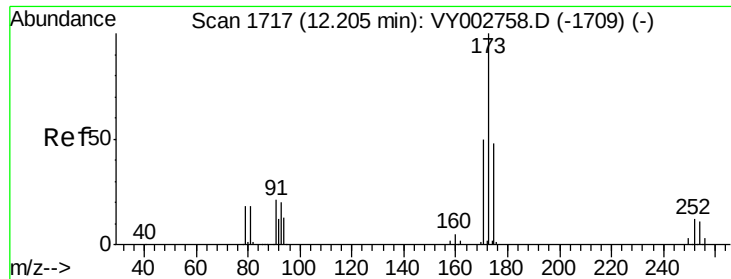
MMDadoda
6/16/2020 3:22:39 PM



#70
Styrene
Concen: 49.467 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ion	Ratio	Lower	Upper
406075	104	100		
	78	46.1	36.2	54.4
	103	54.4	43.6	65.4





#71

Bromoform

Concen: 50.523 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 95016

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.8

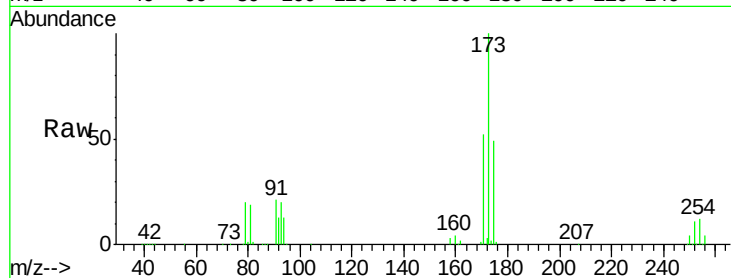
254 0.1 0.1 0.1#

Manual Integrations

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MMDadoda

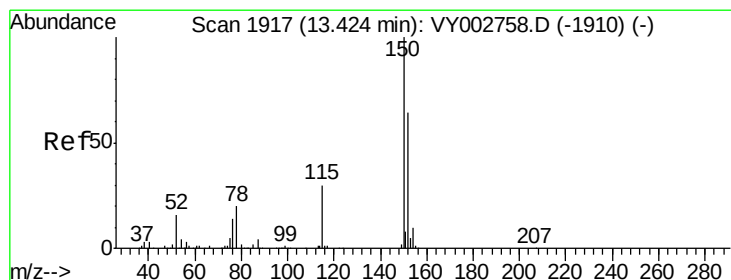
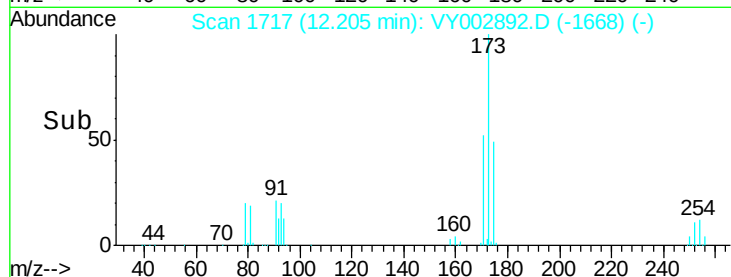
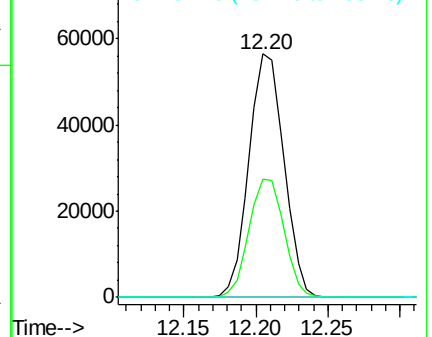
6/16/2020 3:22:39 PM



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: VY002892.D

Acq: 15 Jun 2020 09:58

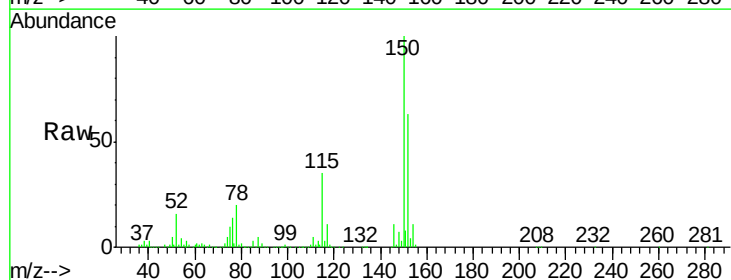
Tgt Ion:152 Resp: 207886

Ion Ratio Lower Upper

152 100

115 53.5 27.0 81.0

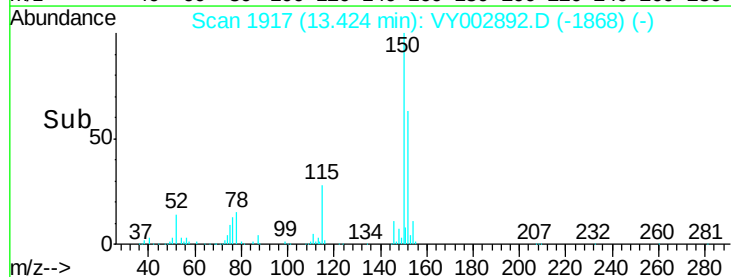
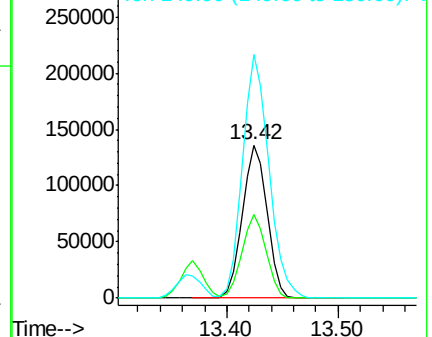
150 171.5 0.0 344.8

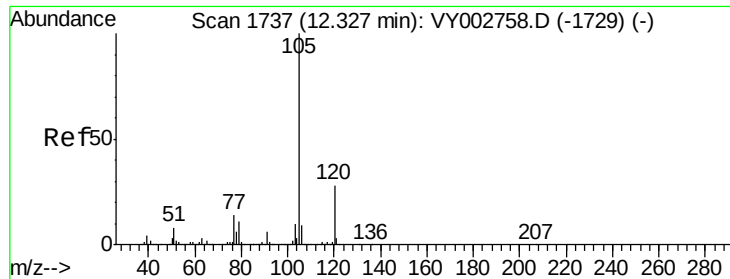


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





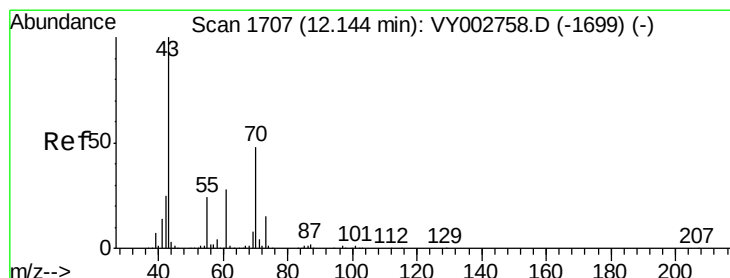
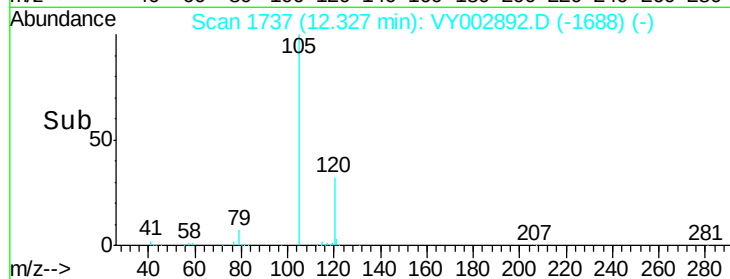
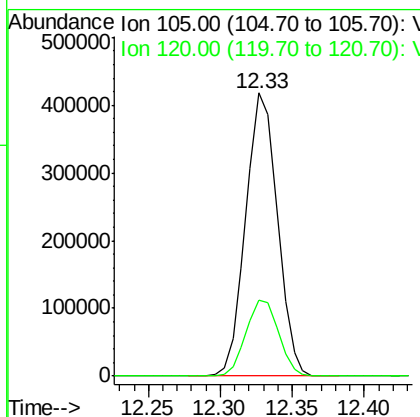
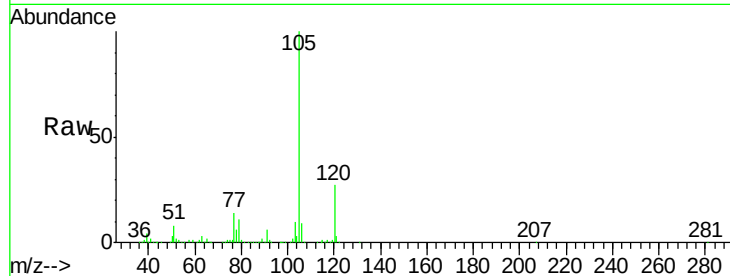
#73
Isopropylbenzene
Concen: 47.919 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.7	41.1

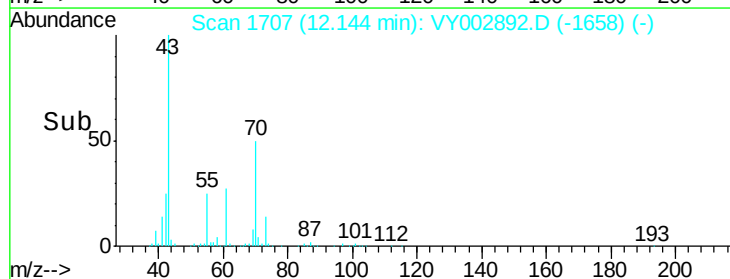
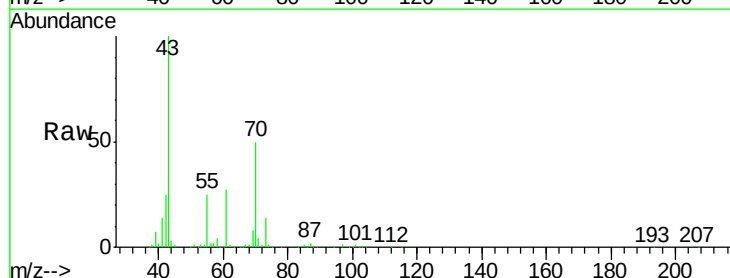
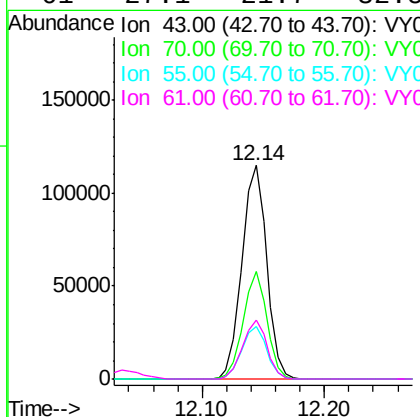
Manual Integrations
APPROVED

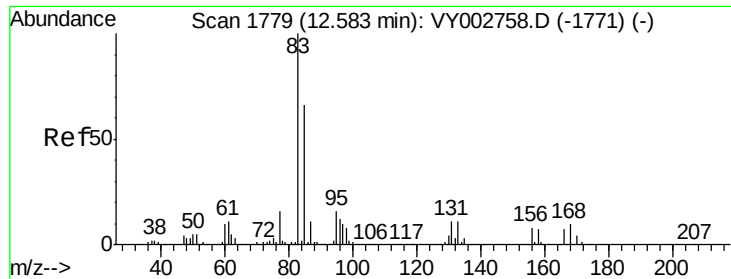
MMDadoda
6/16/2020 3:22:39 PM



#74
N-ethyl acetate
Concen: 47.202 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.3	37.7	56.5
55	24.8	19.8	29.6
61	27.1	21.7	32.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.767 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

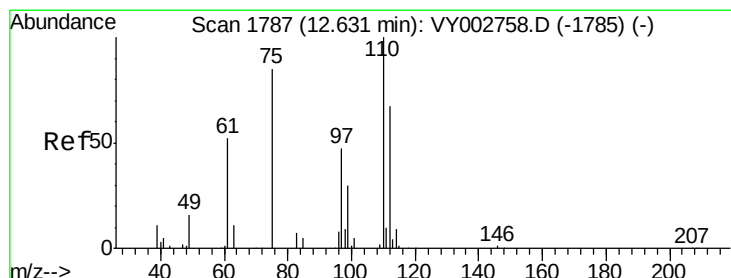
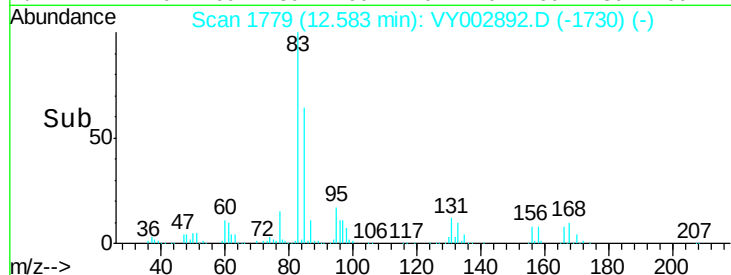
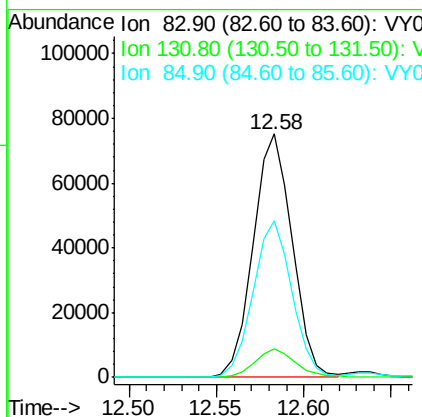
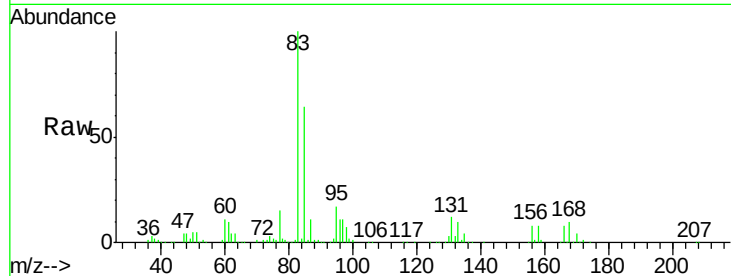
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	116328
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.8	17.4
85	64.2	32.6	98.0

Manual Integrations
APPROVED

MMDadoda
6/16/2020 3:22:39 PM



#76

1,2,3-Trichloropropane

Concen: 47.482 ug/l m

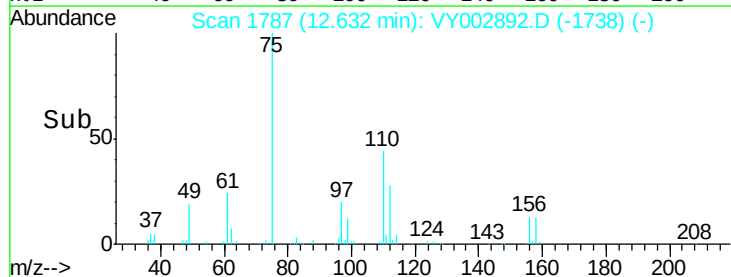
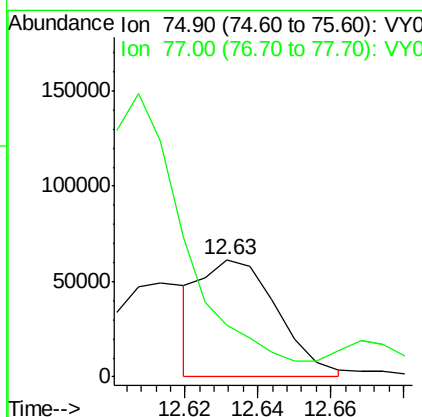
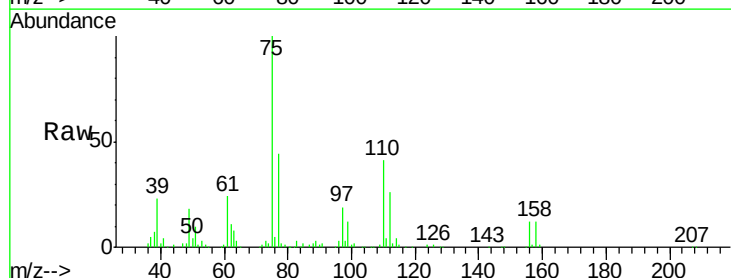
RT: 12.63 min Scan# 1787

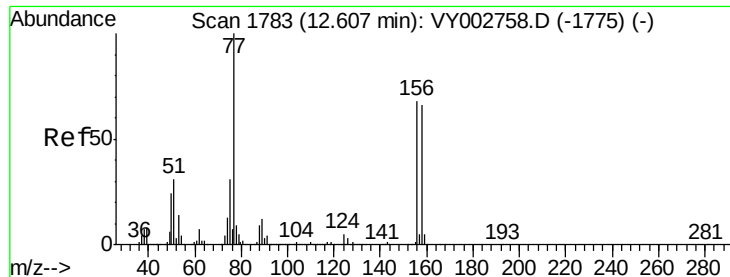
Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Tgt Ion:	75	Resp:	88942
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.917 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

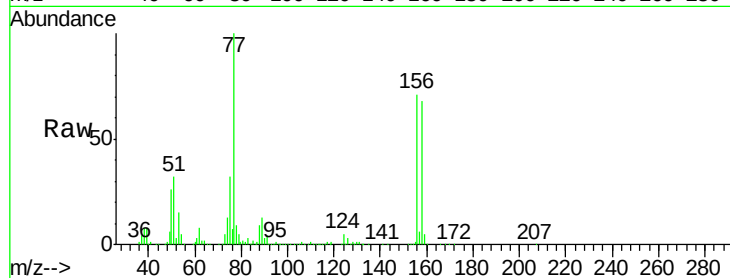
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.9	81.4	244.2
158	97.0	48.5	145.6

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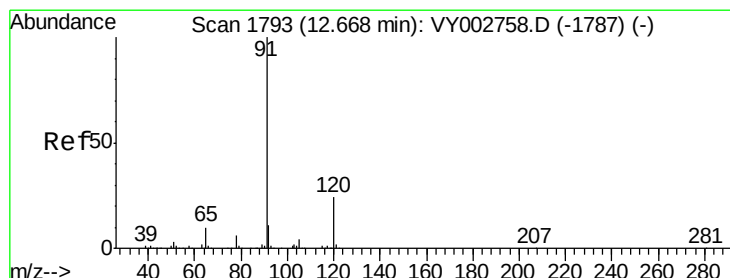
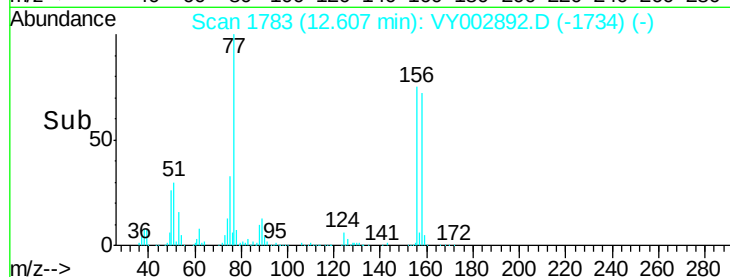
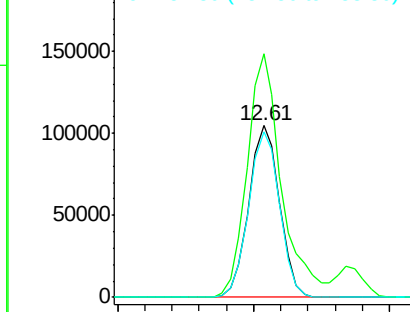


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.364 ug/l

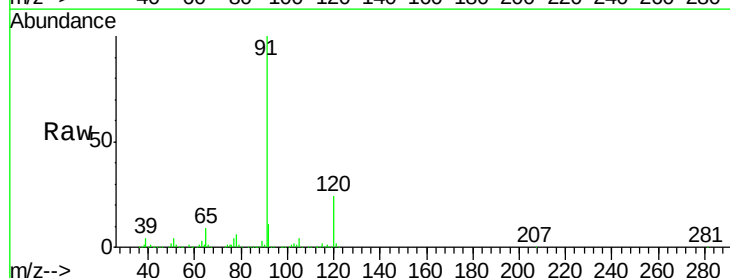
RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

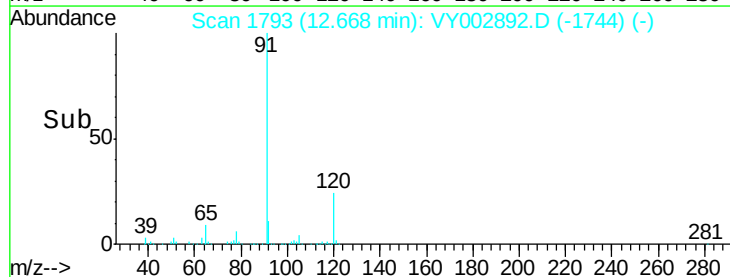
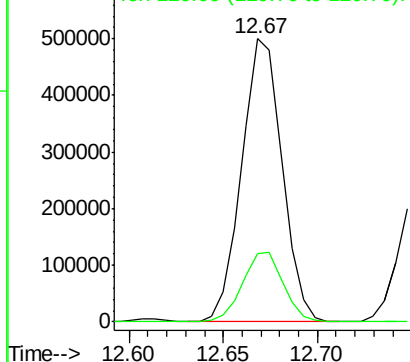
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.3	36.9

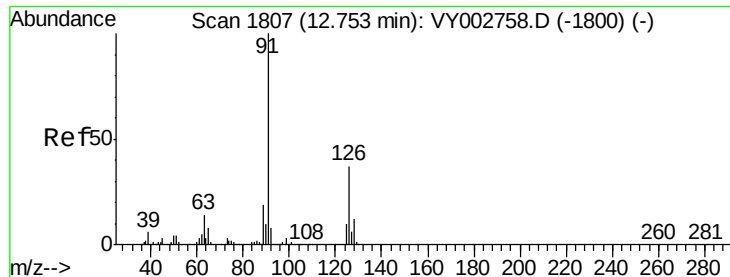


Abundance

Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.756 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 412246

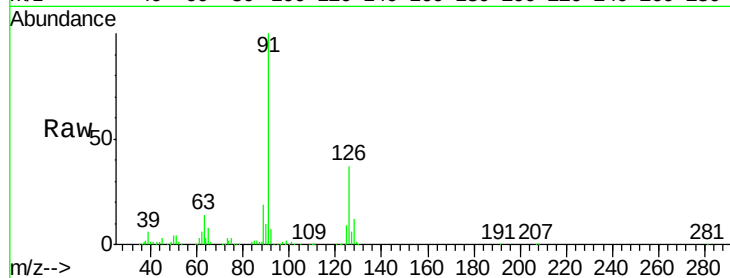
Ion Ratio Lower Upper

91 100

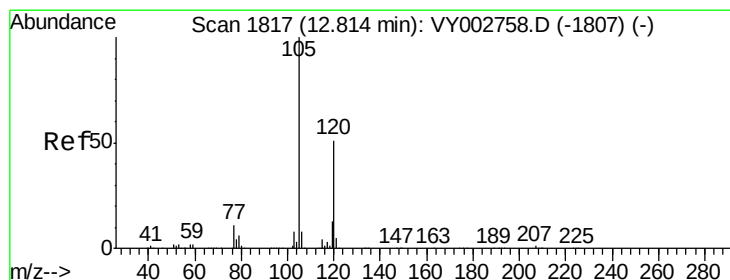
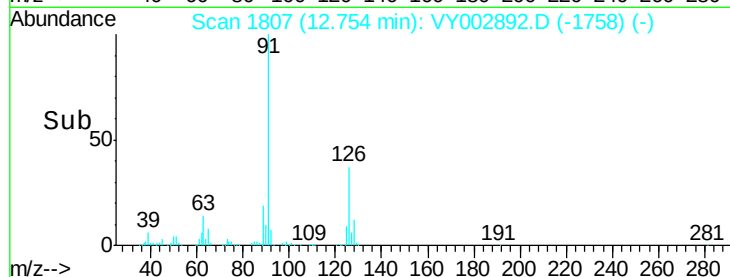
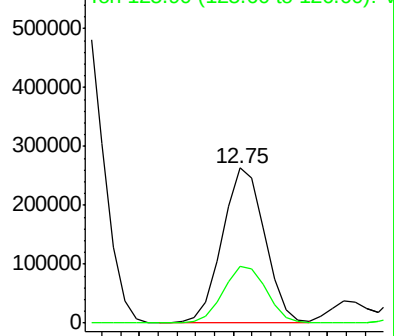
126 37.2 18.4 55.4

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Abundance Ion 91.00 (90.70 to 91.70): VY002758.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.419 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002892.D

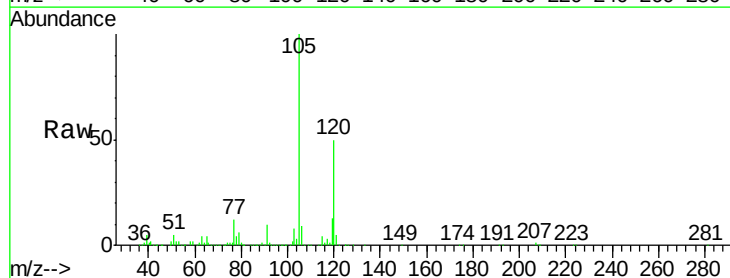
Acq: 15 Jun 2020 09:58

Tgt Ion: 105 Resp: 538590

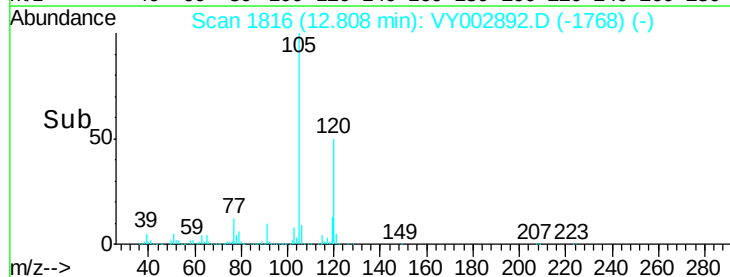
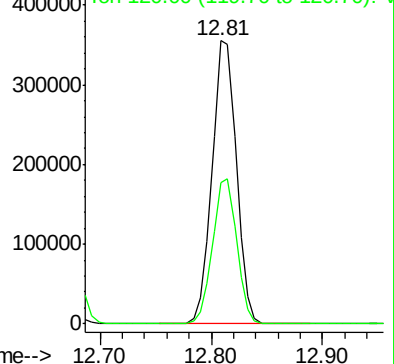
Ion Ratio Lower Upper

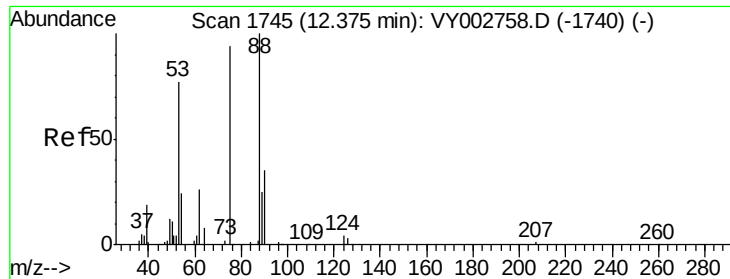
105 100

120 50.9 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VY002758.D (-1807) (-)





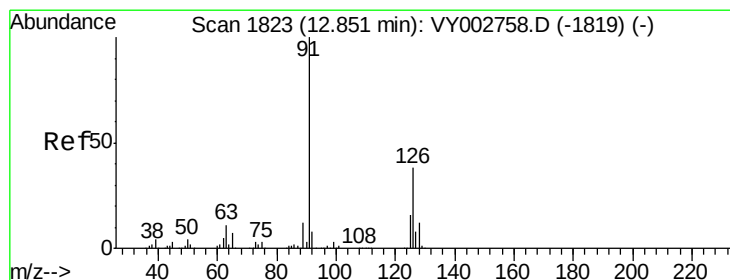
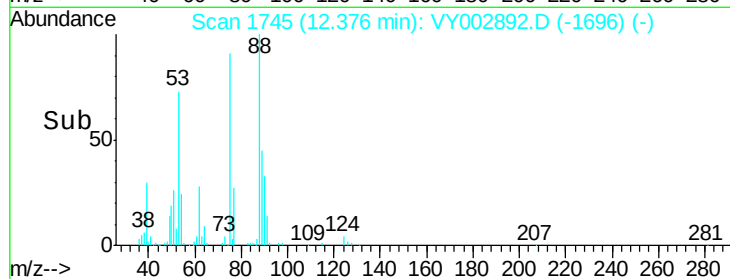
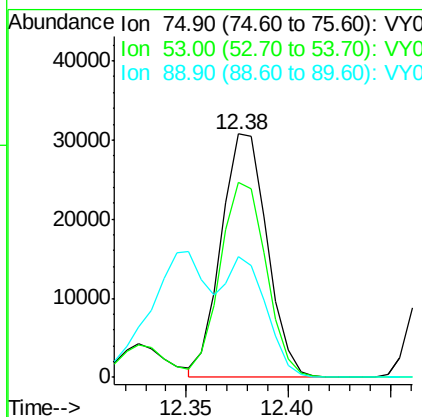
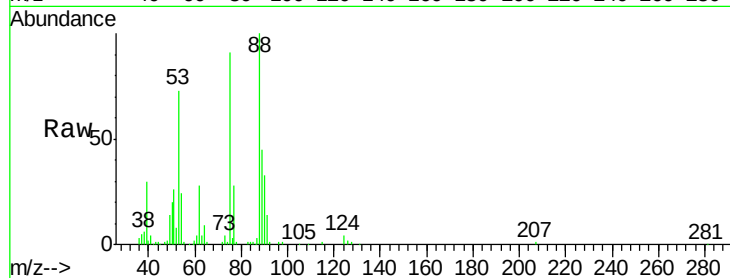
#81
trans-1,4-Dichloro-2-butene
Concen: 48.316 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.5	64.0	96.0
89	44.3	37.4	56.2

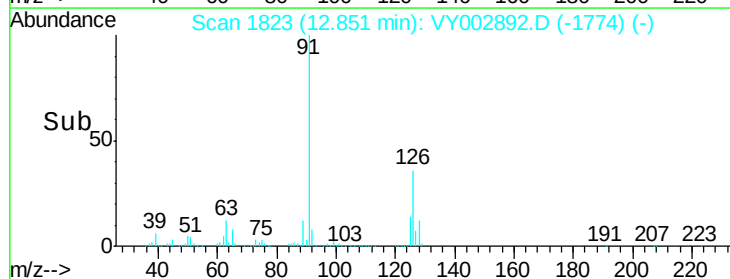
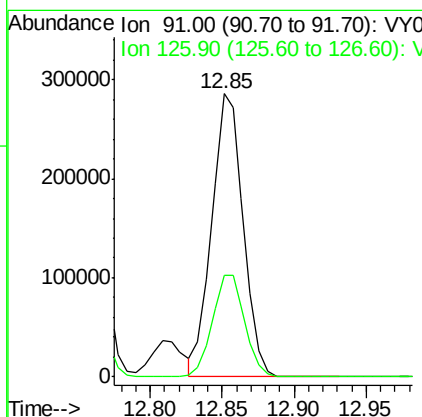
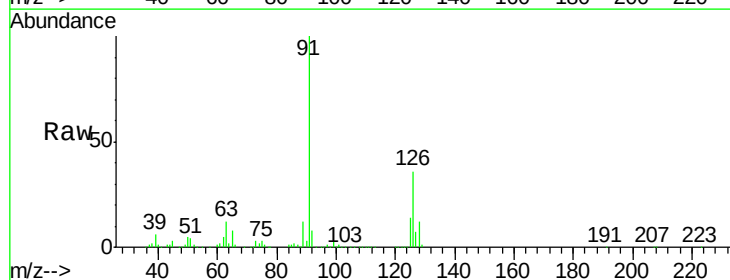
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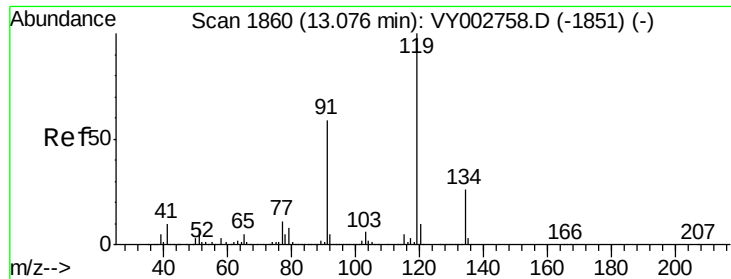
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#82
4-Chlorotoluene
Concen: 47.875 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.5	55.5





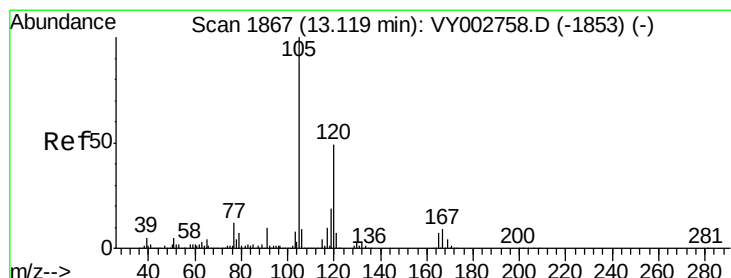
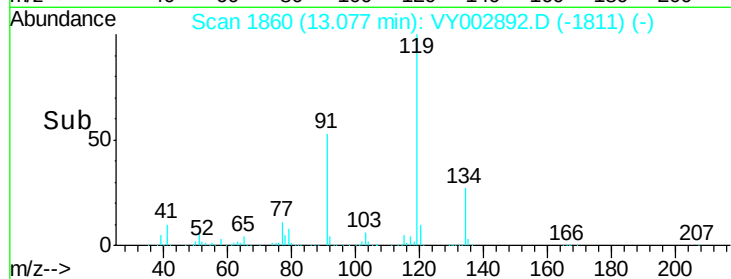
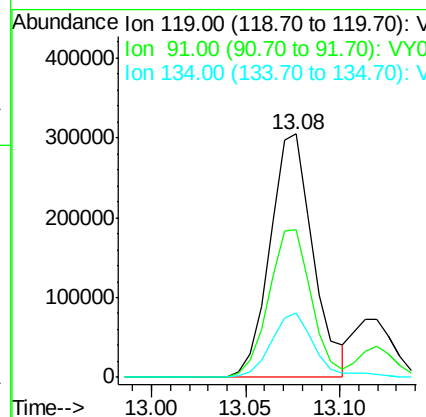
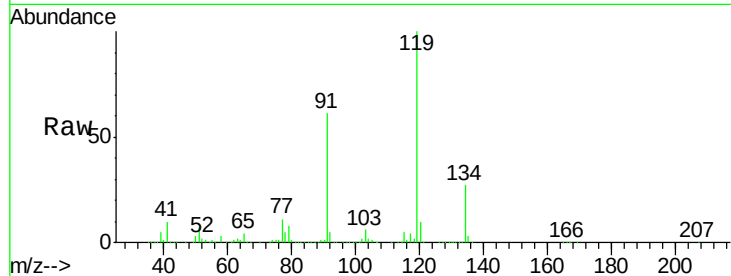
#83
 tert-Butylbenzene
 Concen: 48.611 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	482330		
91	59.9		29.8	89.4
134	26.7		13.3	39.8

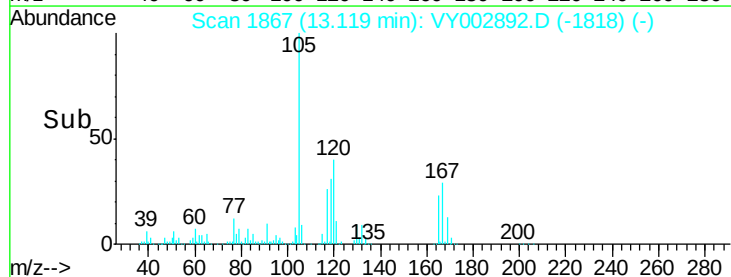
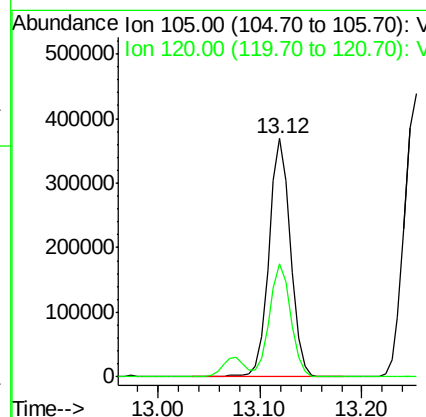
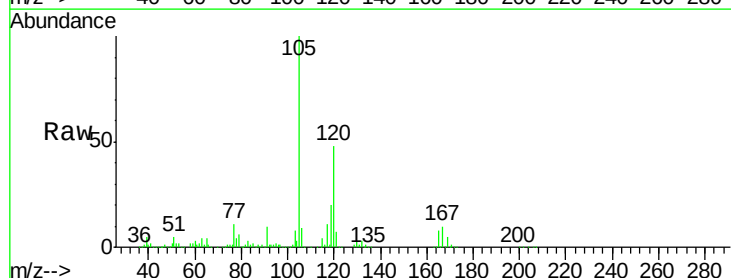
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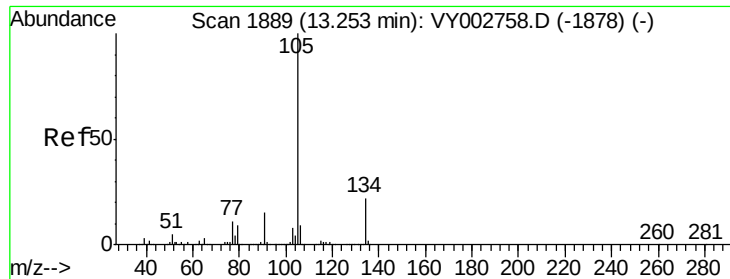
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.222 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	539351		
120	46.6		23.6	70.8





#85

sec-Butylbenzene

Concen: 48.403 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 656672

Ion Ratio Lower Upper

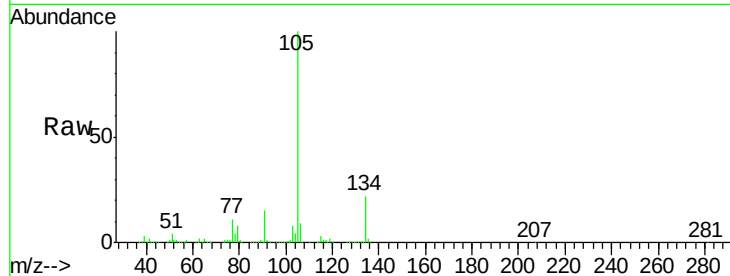
105 100

134 21.8 10.8 32.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

400000

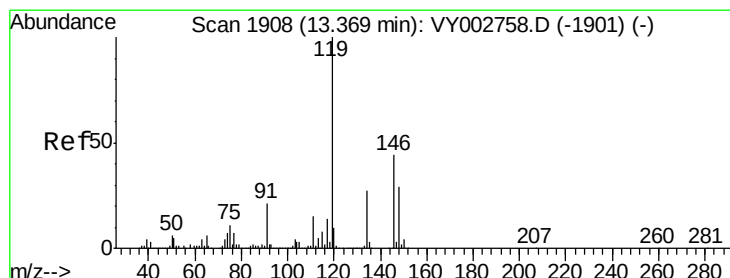
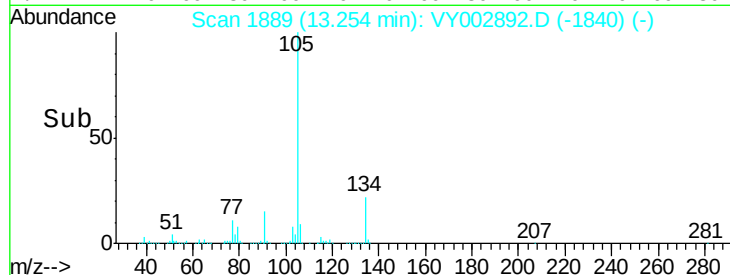
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 48.566 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

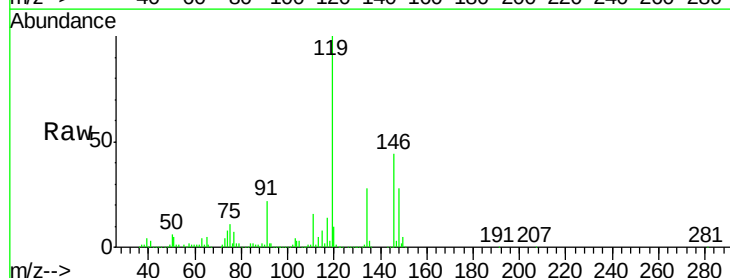
Tgt Ion:119 Resp: 613089

Ion Ratio Lower Upper

119 100

134 27.8 13.7 41.0

91 21.8 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

600000

500000

400000

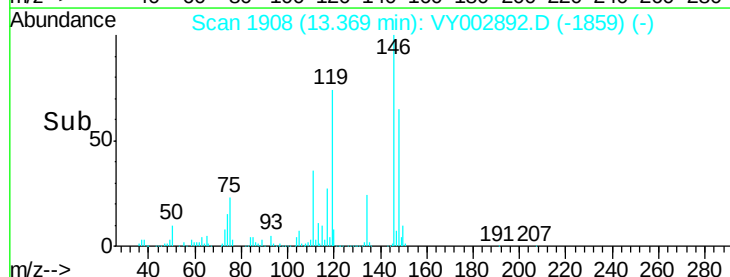
300000

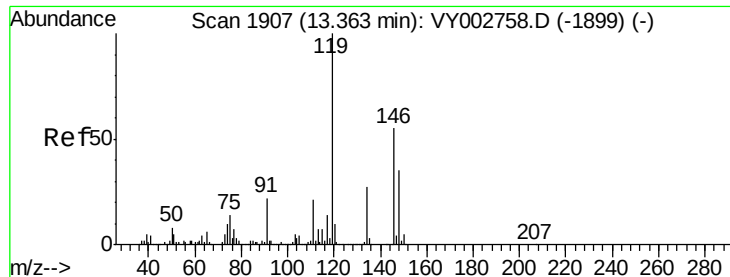
200000

100000

0

Time-->





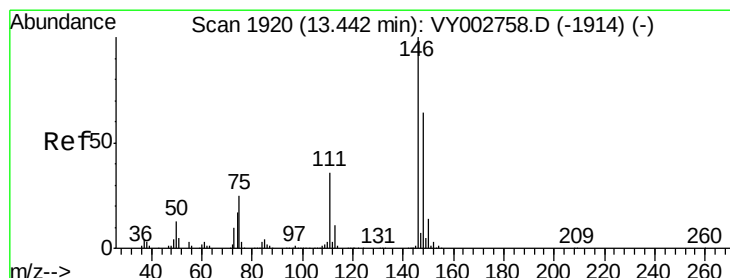
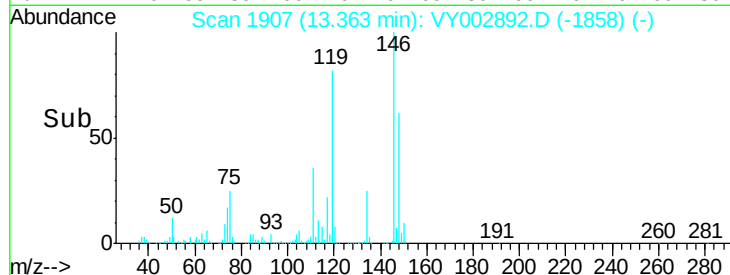
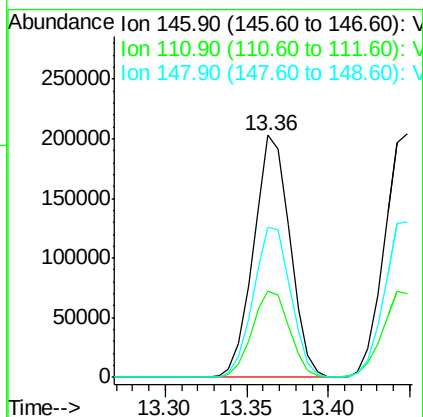
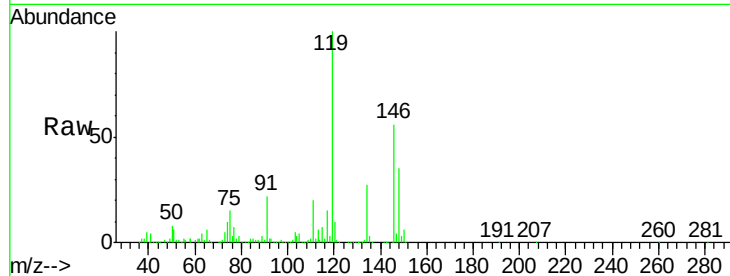
#87
 1,3-Dichlorobenzene
 Concen: 48.022 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.4	55.0
148	63.6	31.9	95.7

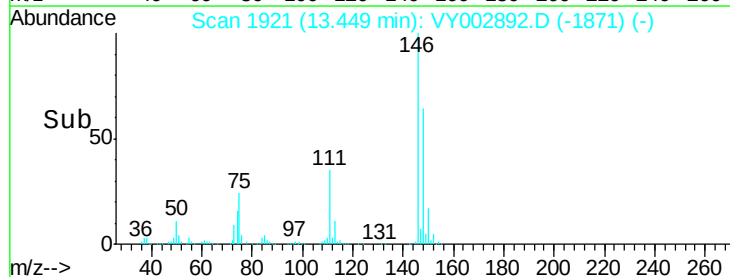
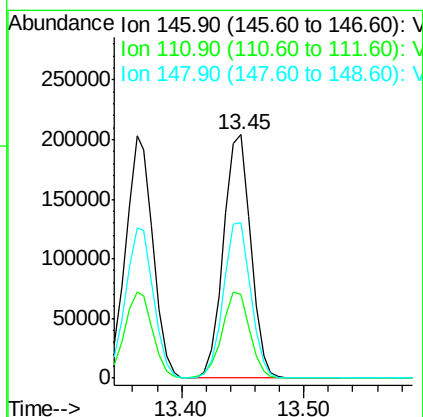
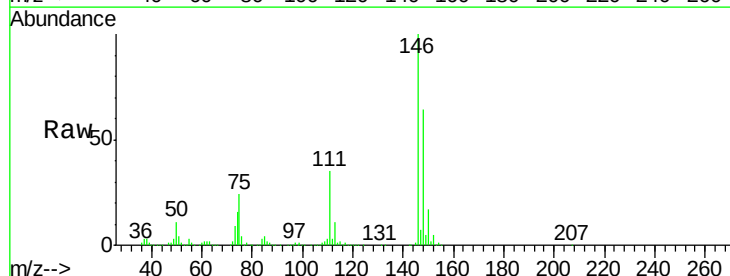
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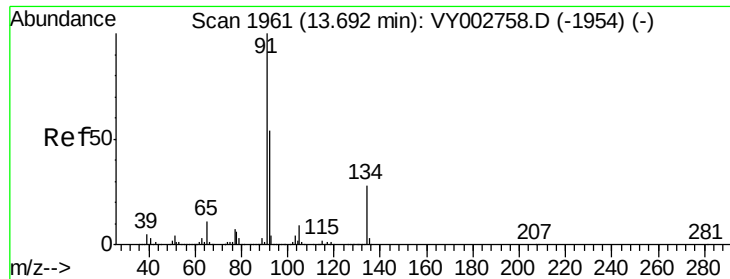
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#88
 1,4-Dichlorobenzene
 Concen: 47.868 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.3
148	64.0	32.1	96.3





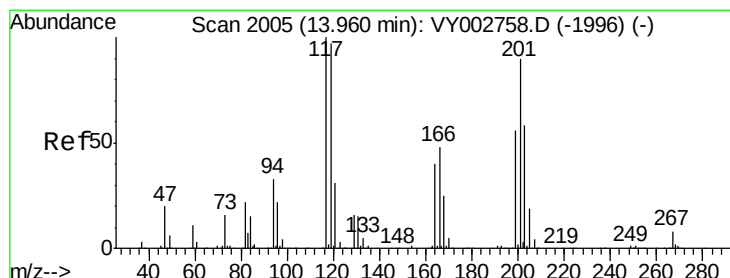
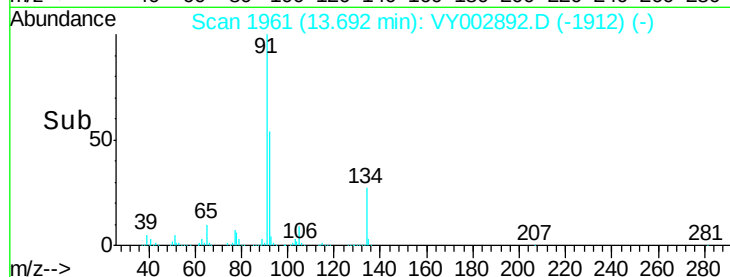
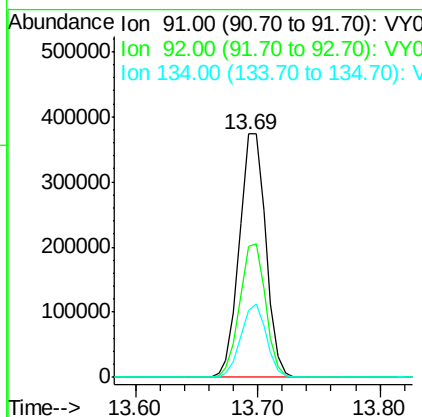
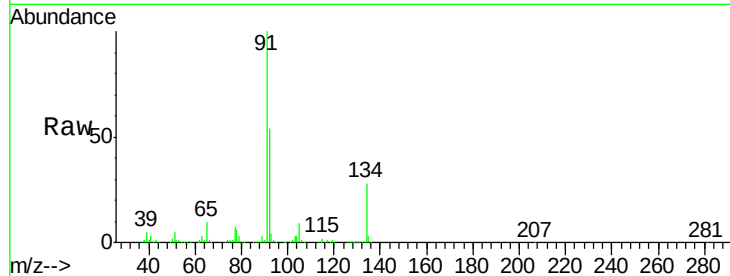
#89
n-Butylbenzene
Concen: 48.653 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.1	81.2
134	28.9	14.3	42.9

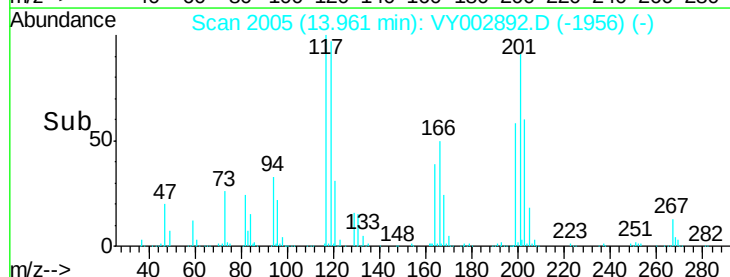
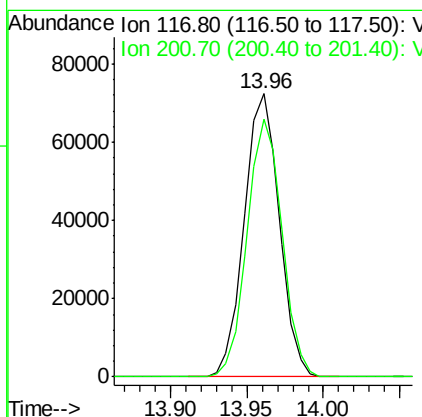
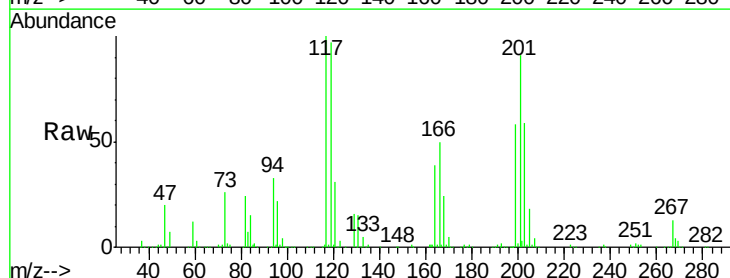
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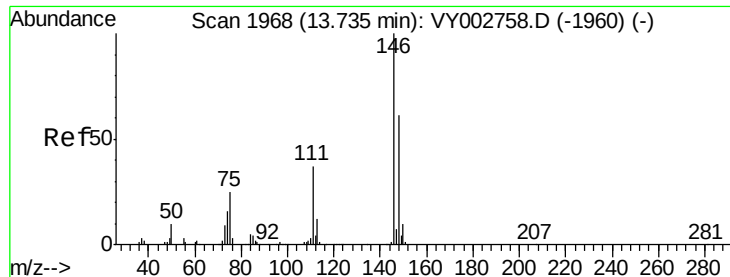
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#90
Hexachloroethane
Concen: 48.938 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	43.9	131.6





#91

1,2-Dichlorobenzene

Concen: 48.296 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VY002892.D

Acq: 15 Jun 2020 09:58

Instrument :

MSVOA_Y

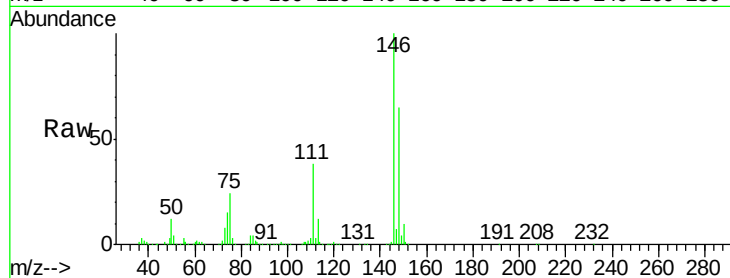
ClientSampleId :

VSTDCCC050

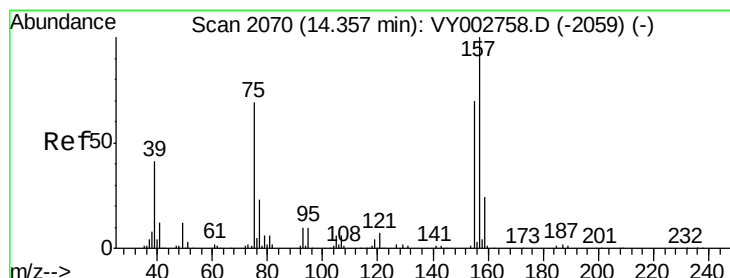
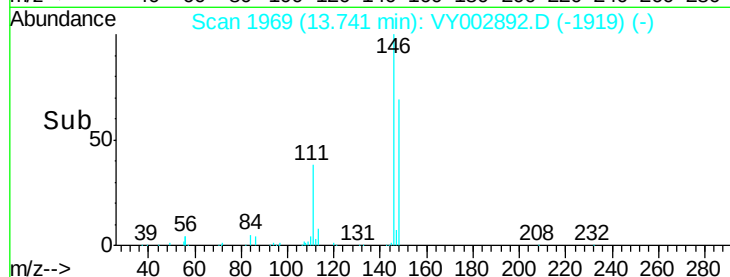
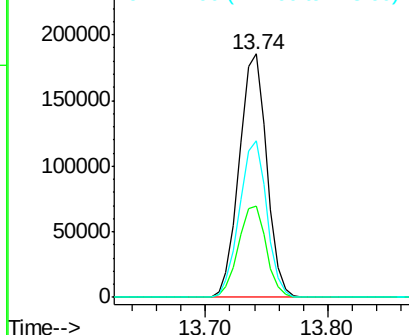
Tot Ion:	146	Resp:	287800
Ion Ratio		Lower	Upper
146	100		
111	37.8	18.9	56.9
148	64.3	31.9	95.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.740 ug/l

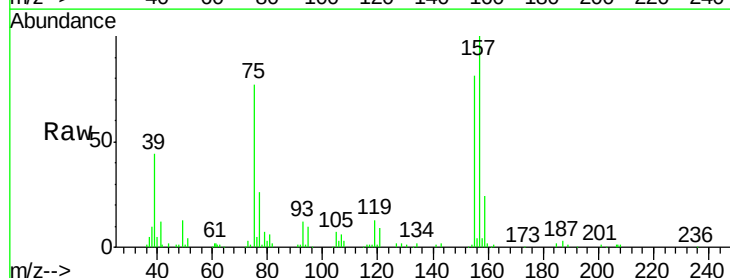
RT: 14.36 min Scan# 2070

Delta R.T. 0.00 min

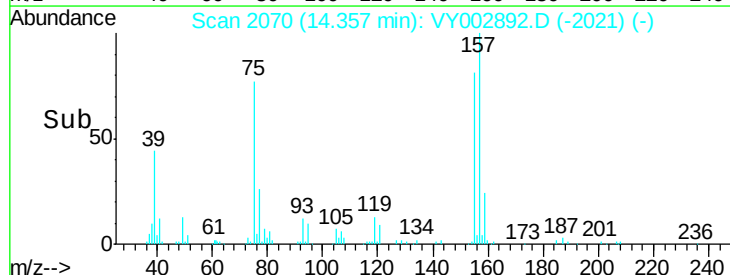
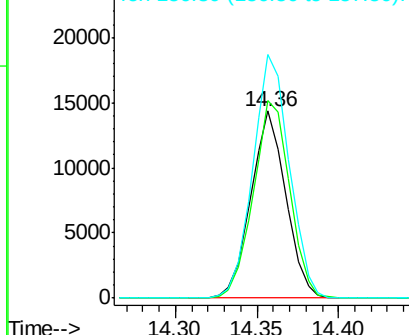
Lab File: VY002892.D

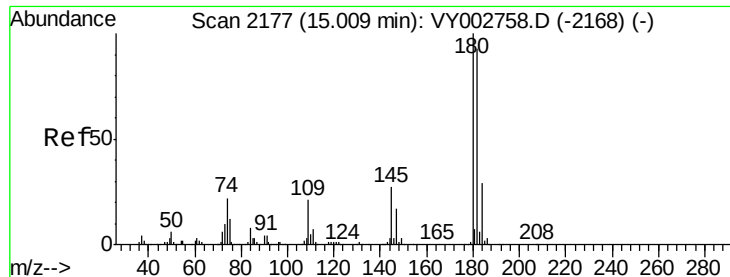
Acq: 15 Jun 2020 09:58

Tgt Ion:	75	Resp:	21469
Ion Ratio		Lower	Upper
75	100		
155	109.2	53.5	160.5
157	135.1	69.9	209.7



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





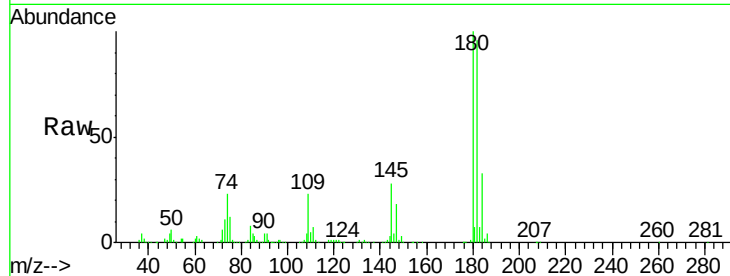
#93
 1,2,4-Trichlorobenzene
 Concen: 47.477 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

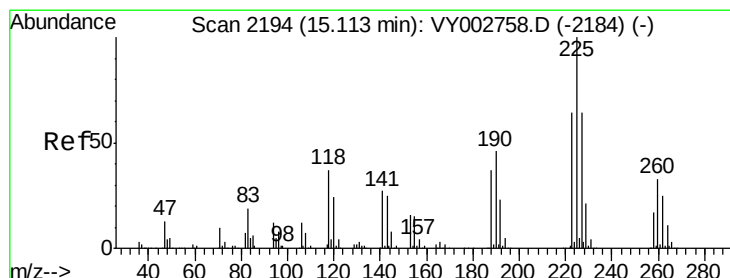
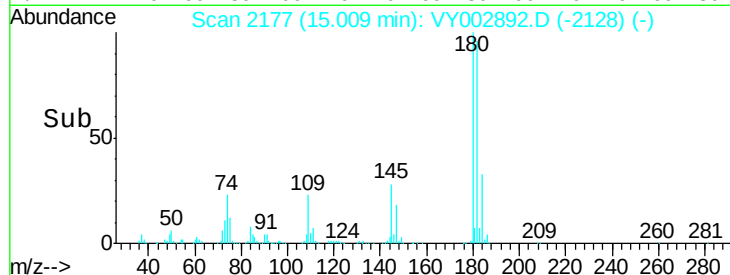
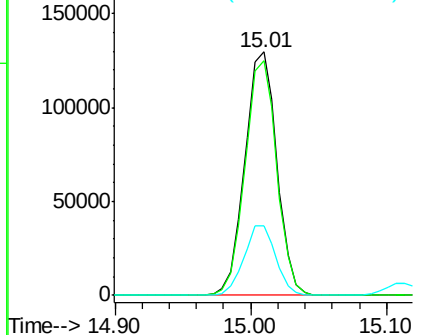
Tot Ion	Ratio	Resp	Lower	Upper
180	100	213252		
182	95.6	47.3	141.9	
145	28.5	14.1	42.3	

Manual Integrations
 APPROVED

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 6/16/2020 3:22:39 PM

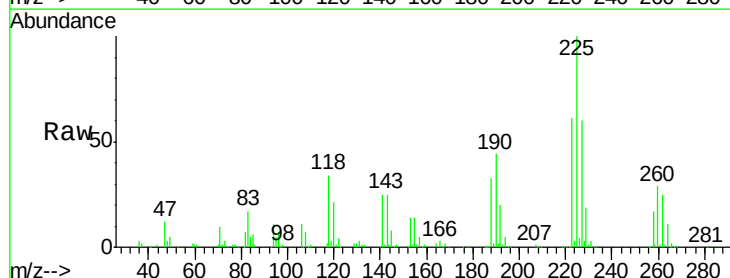


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

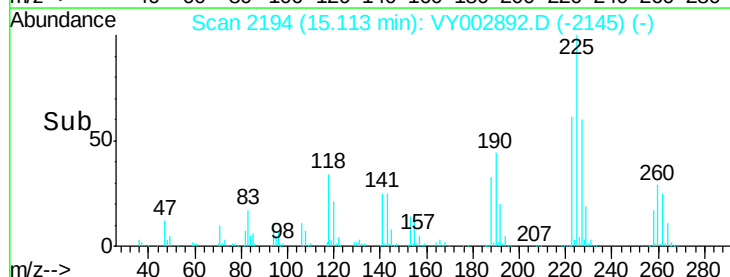
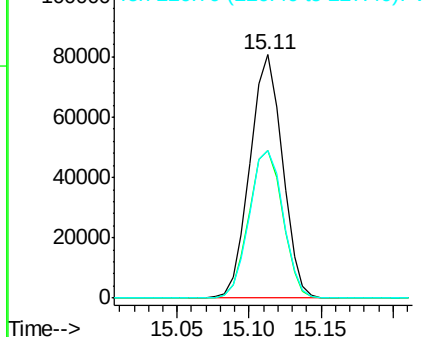


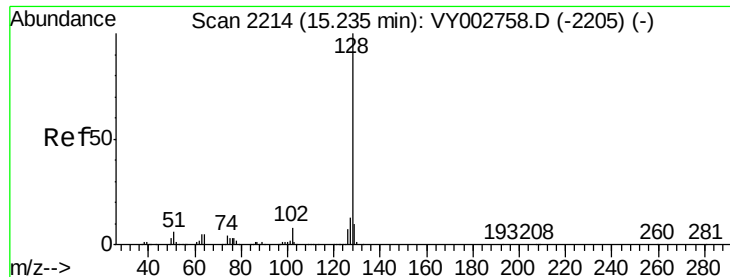
#94
 Hexachlorobutadiene
 Concen: 49.448 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002892.D
 Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125972		
223	62.9	31.6	95.0	
227	63.1	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





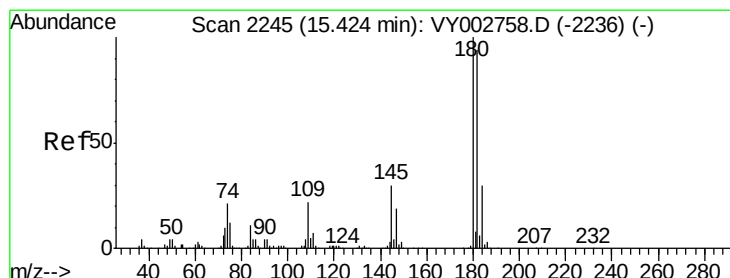
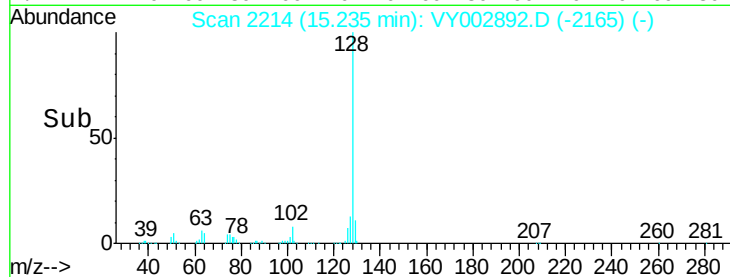
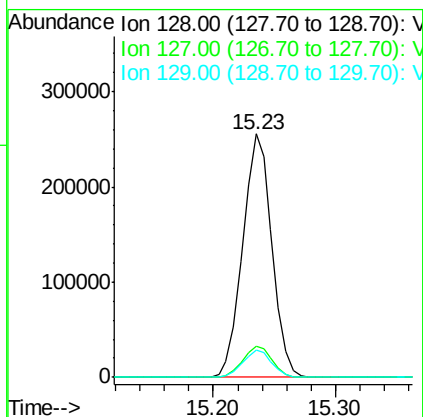
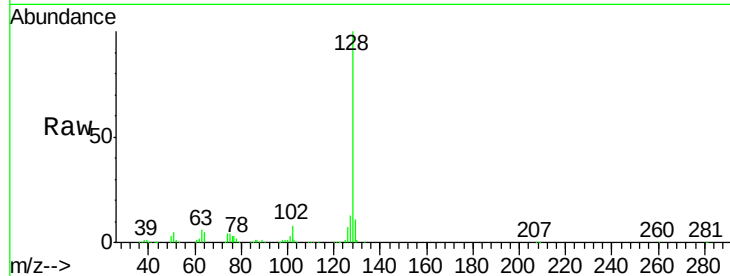
#95
Naphthalene
Concen: 46.733 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
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6/16/2020 3:22:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.602 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002892.D
Acq: 15 Jun 2020 09:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.4
145	29.7	15.1	45.3

