

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000056.D
 Acq On : 17 Sep 2019 12:53
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:38 AM

Quant Time: Sep 17 13:15:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 12:22:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	119896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	227824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	199162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	85573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	196322	133.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.28%	
35) Dibromofluoromethane	7.72	113	190509	130.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.08%	
50) Toluene-d8	10.18	98	783068	139.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.90%	
62) 4-Bromofluorobenzene	12.48	95	263693	124.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	248.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	115989	112.153	ug/l	99
3) Chloromethane	2.11	50	145927	91.009	ug/l	98
4) Vinyl Chloride	2.25	62	177178	127.258	ug/l	97
5) Bromomethane	2.61	94	95515	99.818	ug/l	95
6) Chloroethane	2.77	64	121699	127.171	ug/l	94
7) Trichlorofluoromethane	3.11	101	244507	122.042	ug/l	91
8) Diethyl Ether	3.53	74	108987	133.544	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.89	101	170930	128.294	ug/l	97
10) Methyl Iodide	4.09	142	207245	162.057	ug/l	100
11) Tert butyl alcohol	4.98	59	104617	566.959	ug/l	100
12) 1,1-Dichloroethene	3.86	96	157693	126.401	ug/l	91
13) Acrolein	3.73	56	47651	436.462	ug/l	93
14) Allyl chloride	4.47	41	242644	127.450	ug/l	99
15) Acrylonitrile	5.17	53	330209	671.996	ug/l	97
16) Acetone	3.95	43	217020	641.627	ug/l	90
17) Carbon Disulfide	4.18	76	289284	116.756	ug/l #	95
18) Methyl Acetate	4.48	43	141420	125.308	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	515568	137.049	ug/l	100
20) Methylene Chloride	4.71	84	193325	119.738	ug/l	99
21) trans-1,2-Dichloroethene	5.21	96	172732	128.187	ug/l	97
22) Diisopropyl ether	6.12	45	573773	139.318	ug/l	98
23) Vinyl Acetate	6.06	43	1984694	727.962	ug/l	96
24) 1,1-Dichloroethane	6.01	63	330634	134.765	ug/l	98
25) 2-Butanone	6.99	43	389636	649.290	ug/l	97
26) 2,2-Dichloropropane	6.98	77	289154	119.156	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	227289	133.613	ug/l	98
28) Bromochloromethane	7.34	49	165594	144.713	ug/l	97
29) Tetrahydrofuran	7.35	42	247402	688.065	ug/l	97
30) Chloroform	7.51	83	342587	131.954	ug/l	98
31) Cyclohexane	7.78	56	236852	110.600	ug/l	95
32) 1,1,1-Trichloroethane	7.70	97	282799	136.913	ug/l	98
36) 1,1-Dichloropropene	7.92	75	227367	126.980	ug/l	98
37) Ethyl Acetate	7.07	43	161745	141.544	ug/l	96
38) Carbon Tetrachloride	7.90	117	230266	140.238	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	283045	130.138	ug/l	97
40) Benzene	8.16	78	778908	134.975	ug/l	96
41) Methacrylonitrile	7.32	41	102936m	164.081	ug/l	
42) 1,2-Dichloroethane	8.24	62	213117	143.372	ug/l	99
43) Isopropyl Acetate	8.27	43	319052	143.001	ug/l	99
44) Trichloroethene	8.94	130	198086	135.148	ug/l	99
45) 1,2-Dichloropropane	9.21	63	202488	135.511	ug/l	97
46) Dibromomethane	9.31	93	112282	138.625	ug/l	99
47) Bromodichloromethane	9.49	83	275346	137.091	ug/l	97
48) Methyl methacrylate	9.29	41	140719	141.483	ug/l	100
49) 1,4-Dioxane	9.30	88	42598	2760.576	ug/l #	94
51) 4-Methyl-2-Pentanone	10.07	43	853960	697.537	ug/l	98
52) Toluene	10.24	92	499790	137.967	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	294874	141.523	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	338535	141.709	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	173816	137.799	ug/l	96
56) Ethyl methacrylate	10.51	69	253441	143.811	ug/l	99
57) 1,3-Dichloropropane	10.79	76	295391	138.017	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	709579	733.828	ug/l	100
59) 2-Hexanone	10.84	43	607420	687.229	ug/l	98
60) Dibromochloromethane	10.98	129	190745	143.819	ug/l	98
61) 1,2-Dibromoethane	11.09	107	161812	137.375	ug/l	99
64) Tetrachloroethene	10.72	164	163840	126.834	ug/l	99
65) Chlorobenzene	11.51	112	547941	136.908	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	190513	141.631	ug/l	98
67) Ethyl Benzene	11.59	91	971583	134.111	ug/l	98
68) m/p-Xylenes	11.70	106	753404	271.427	ug/l	100
69) o-Xylene	12.02	106	364140	138.156	ug/l	100
70) Styrene	12.04	104	645828	139.327	ug/l	100
71) Bromoform	12.21	173	111834	148.000	ug/l #	98
73) Isopropylbenzene	12.33	105	966956	138.670	ug/l	99
74) N-amyl acetate	12.14	43	288037	147.479	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	216783	128.232	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	162706m	128.847	ug/l	
77) Bromobenzene	12.60	156	202719	138.783	ug/l	98
78) n-propylbenzene	12.66	91	1179074	136.714	ug/l	100
79) 2-Chlorotoluene	12.76	91	645510	135.548	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	799784	137.709	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	86307	140.874	ug/l	96
82) 4-Chlorotoluene	12.85	91	681238	139.322	ug/l	99
83) tert-Butylbenzene	13.07	119	681145	136.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	784709	136.626	ug/l	100
85) sec-Butylbenzene	13.25	105	1002476	136.176	ug/l	99
86) p-Isopropyltoluene	13.37	119	844808	135.506	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	396527	138.037	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	401685	136.133	ug/l	99
89) n-Butylbenzene	13.69	91	876483	137.269	ug/l	99
90) Hexachloroethane	13.96	117	170822	139.548	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	369731	133.967	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	38907	121.217	ug/l	95

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDICC150

Manual Integrations
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QLast Update : Tue Sep 17 12:22:21 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	238526	147.231	ug/l	97
94) Hexachlorobutadiene	15.10	225	107930	136.956	ug/l	99
95) Naphthalene	15.23	128	667784	143.109	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	225197	146.375	ug/l	98

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

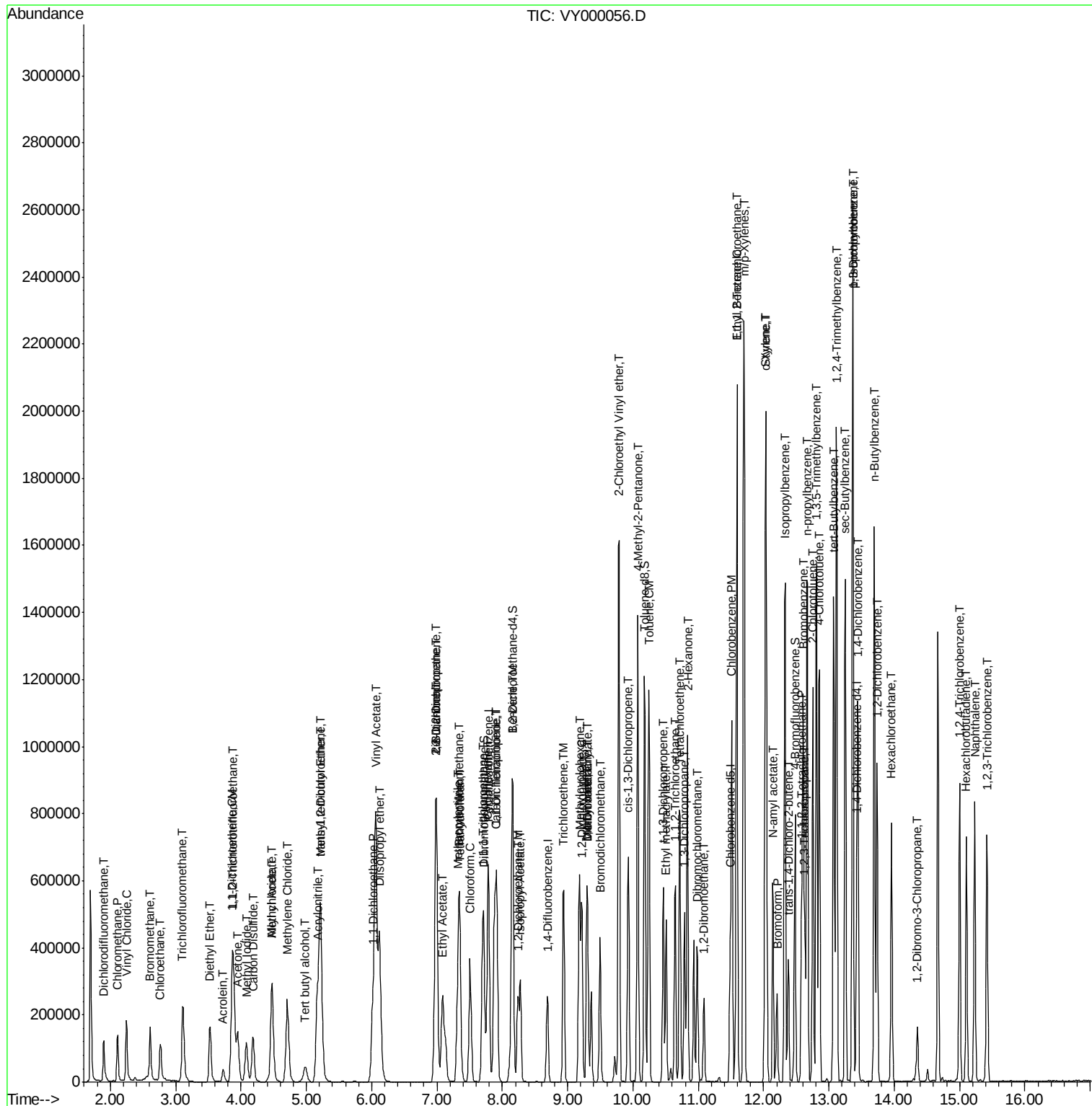
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
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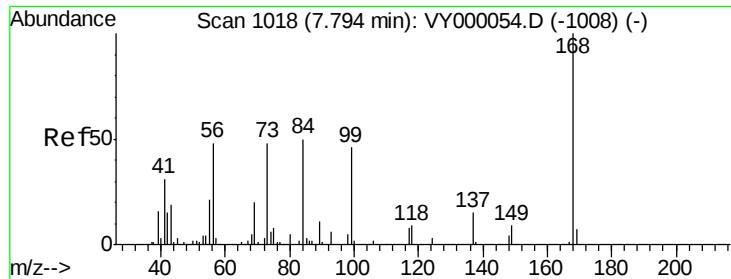
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 119896

Ion Ratio Lower Upper

168 100

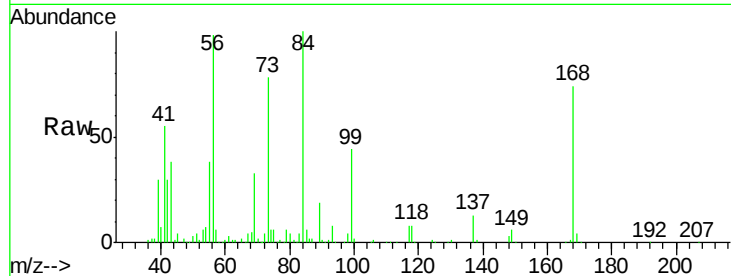
99 59.3 44.2 66.2

Manual Integrations

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9/19/2019 1:29:38 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

80000

60000

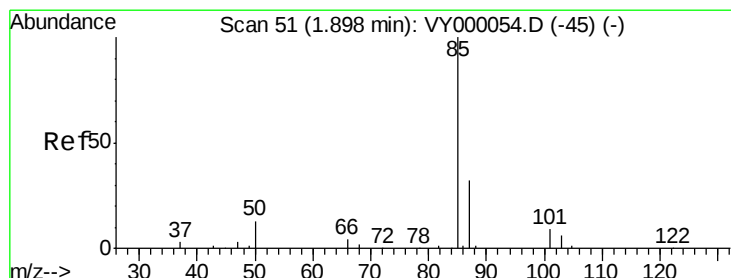
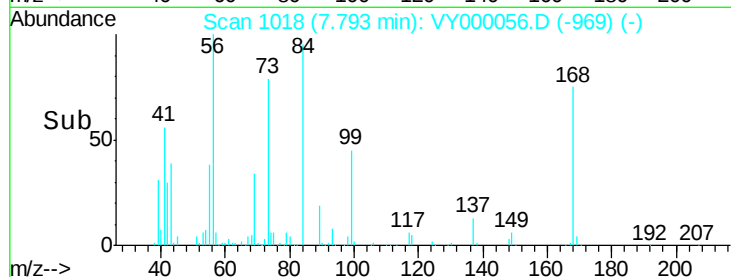
40000

20000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 112.153 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000056.D

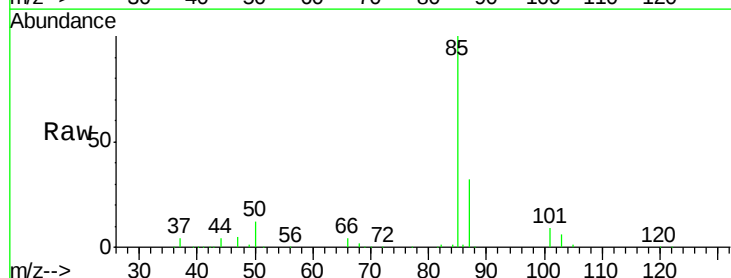
Acq: 17 Sep 2019 12:53

Tgt Ion: 85 Resp: 115989

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)

80000

60000

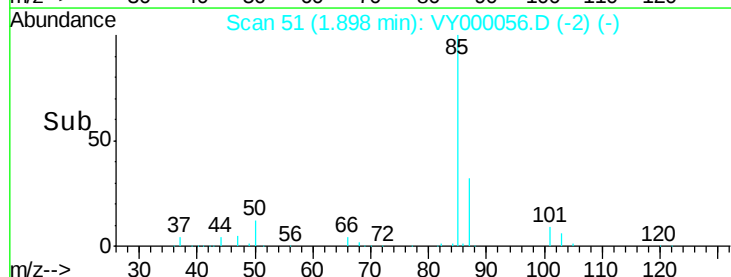
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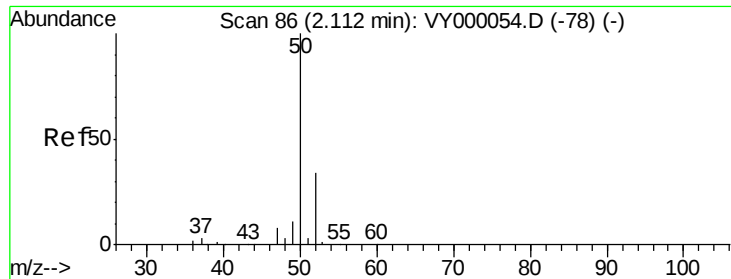
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 91.009 ug/l

RT: 2.11 min Scan# 86

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 145927

Ion Ratio Lower Upper

50 100

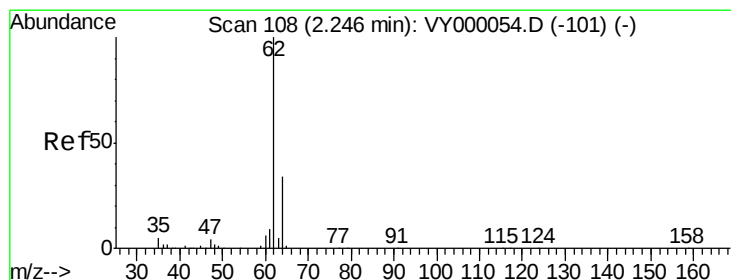
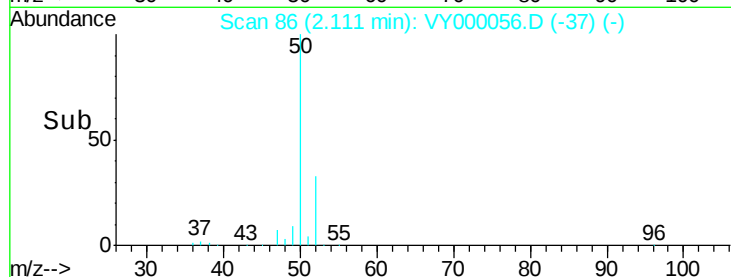
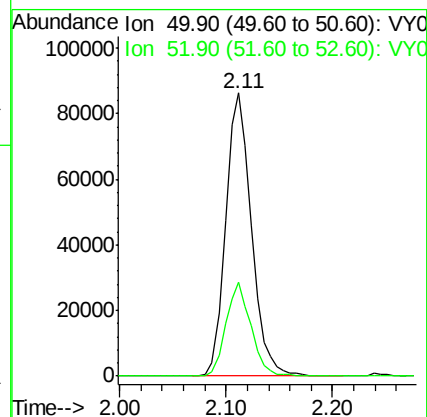
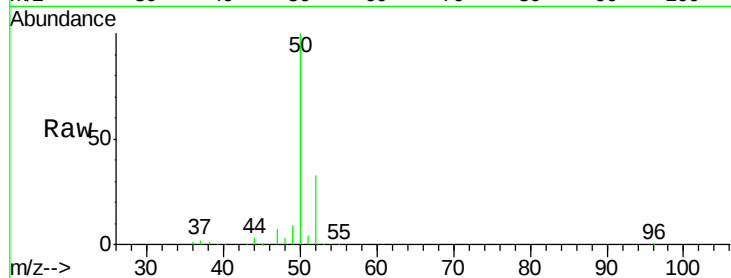
52 33.0 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 127.258 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000056.D

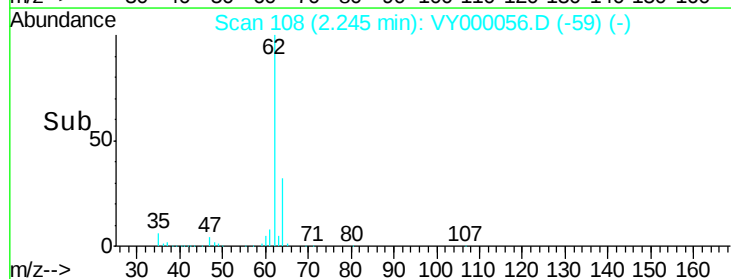
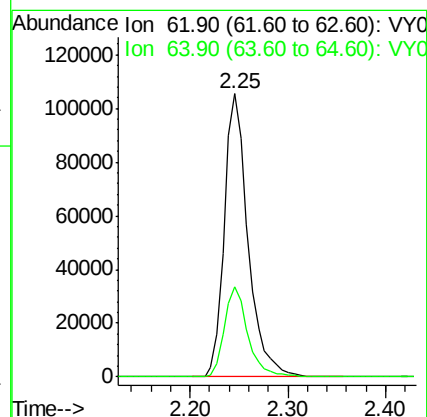
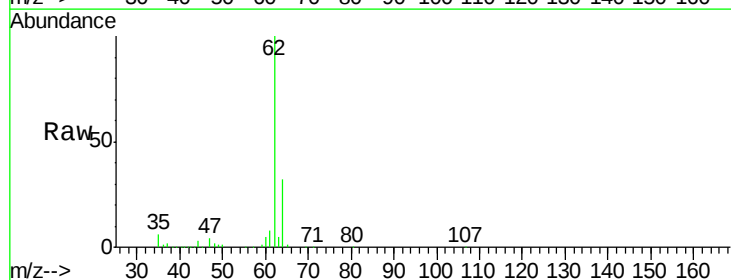
Acq: 17 Sep 2019 12:53

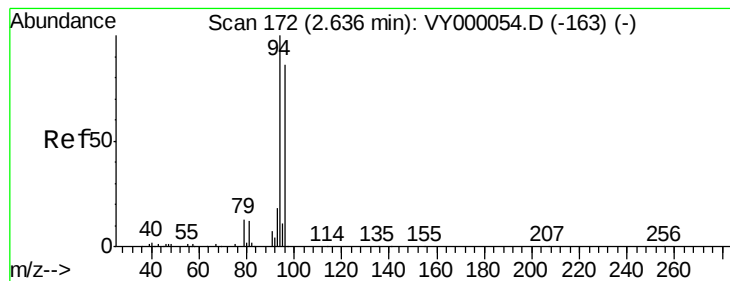
Tgt Ion: 62 Resp: 177178

Ion Ratio Lower Upper

62 100

64 32.0 26.9 40.3





#5

Bromomethane

Concen: 99.818 ug/l

RT: 2.61 min Scan# 167

Delta R.T. -0.03 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 95515

Ion Ratio Lower Upper

94 100

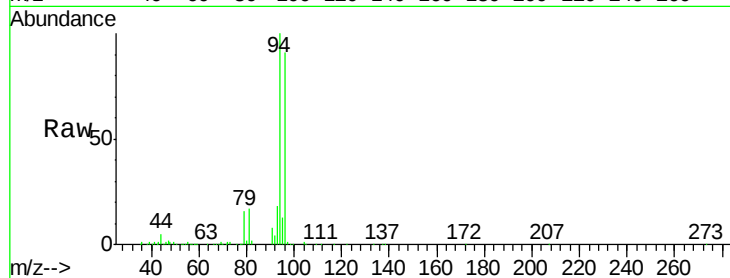
96 91.0 69.1 103.7

Manual Integrations

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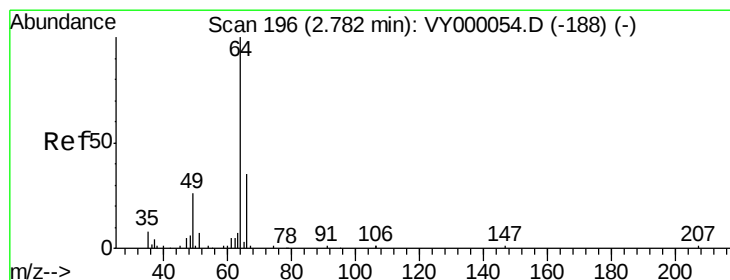
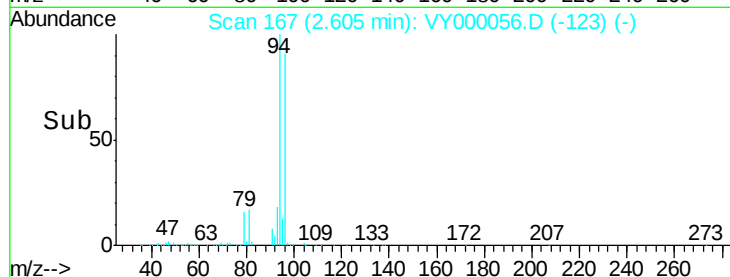
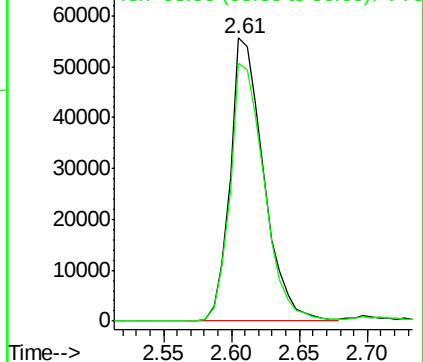
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 127.171 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VY000056.D

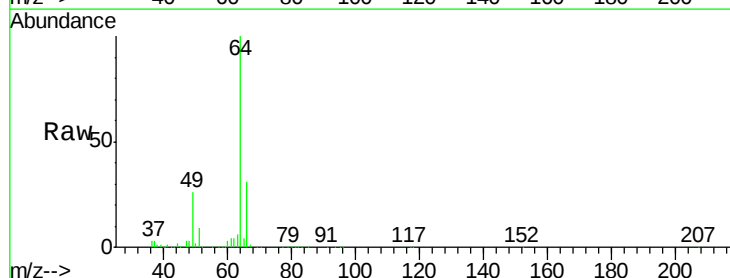
Acq: 17 Sep 2019 12:53

Tgt Ion: 64 Resp: 121699

Ion Ratio Lower Upper

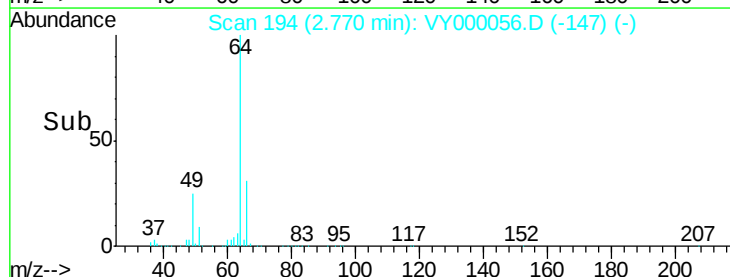
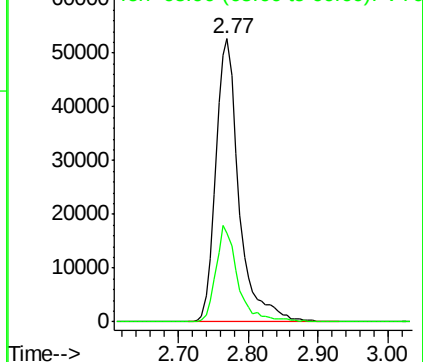
64 100

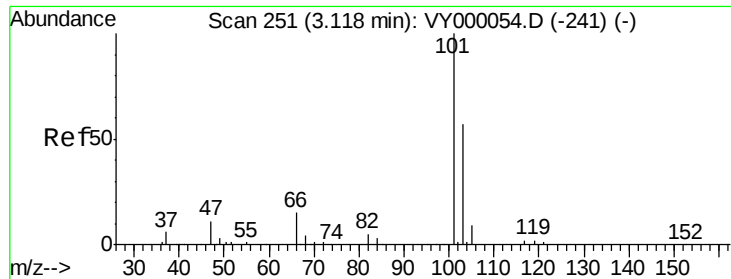
66 31.3 27.7 41.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

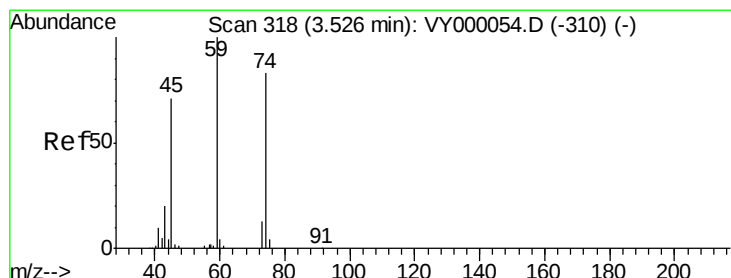
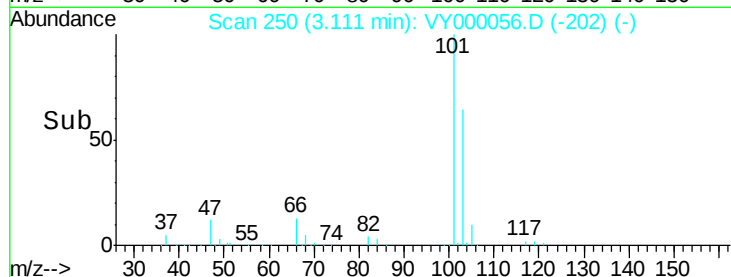
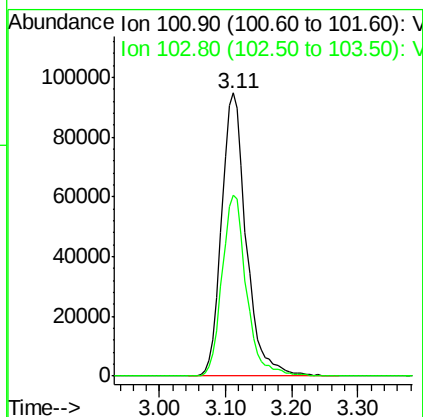
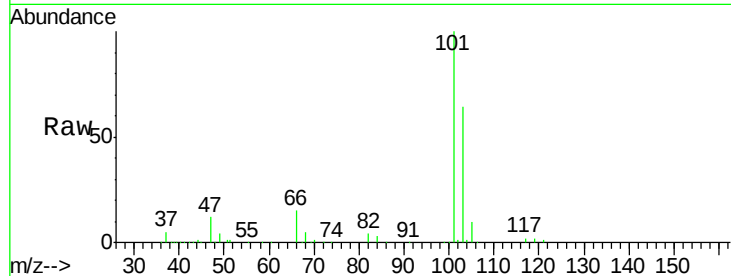
Trichlorofluoromethane
Concen: 122.042 ug/l
RT: 3.11 min Scan# 250
Delta R.T. -0.01 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	244507		
103	63.9	45.7	68.5	

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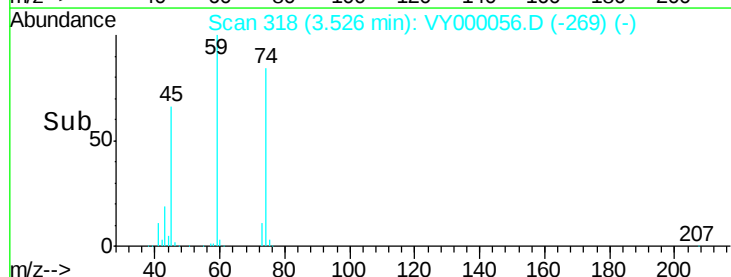
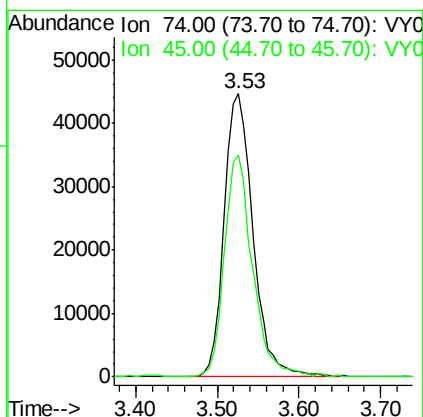
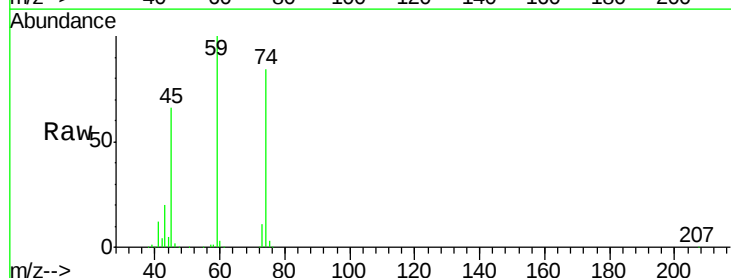
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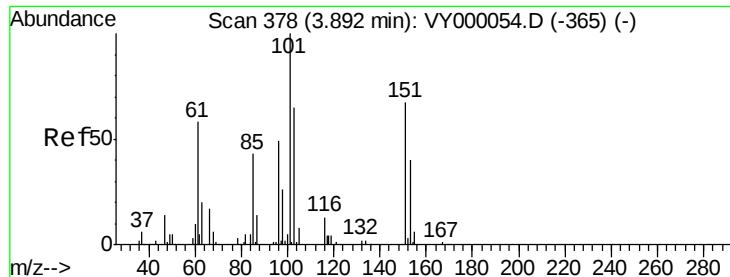


#8

Diethyl Ether
Concen: 133.544 ug/l
RT: 3.53 min Scan# 318
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	108987		
45	77.0	40.6	122.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 128.294 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

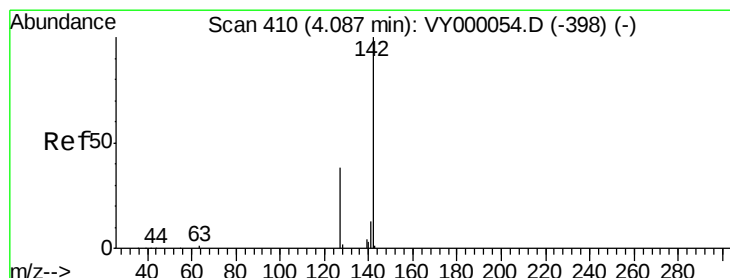
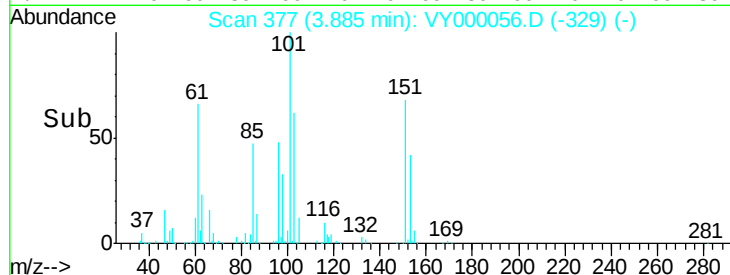
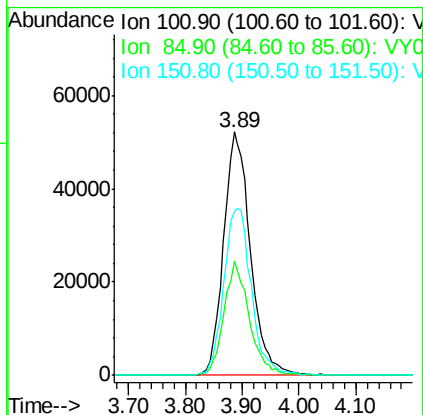
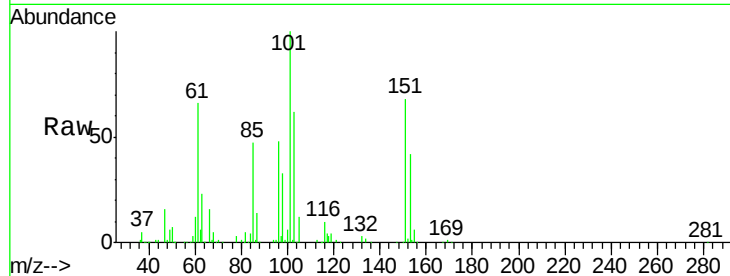
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	170930
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.8	55.2
151	70.4	54.4	81.6

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#10

Methyl Iodide

Concen: 162.057 ug/l

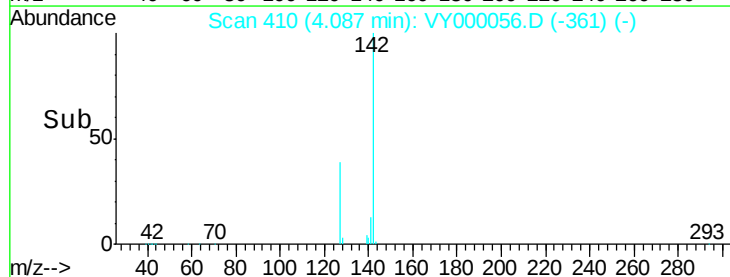
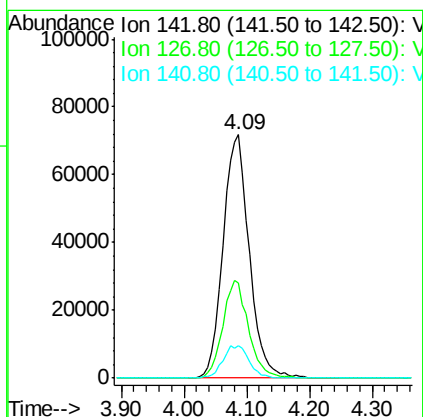
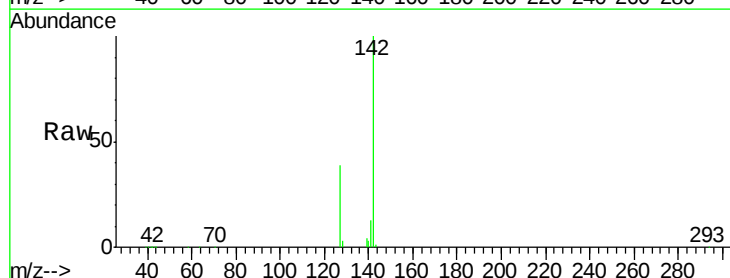
RT: 4.09 min Scan# 410

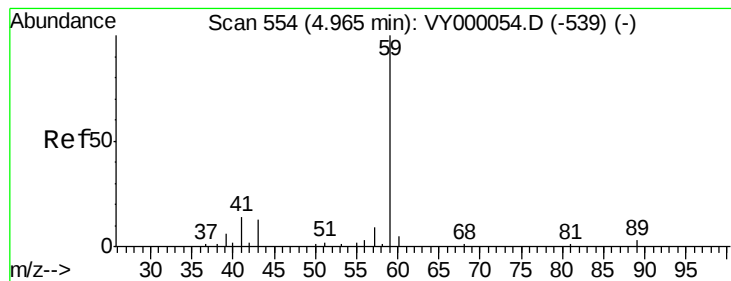
Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Tgt Ion:	142	Resp:	207245
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.6	47.4
141	13.6	10.9	16.3





#11

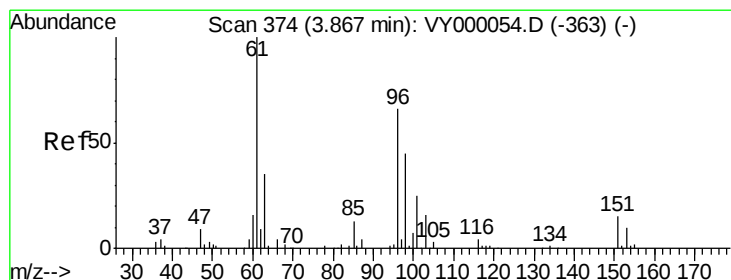
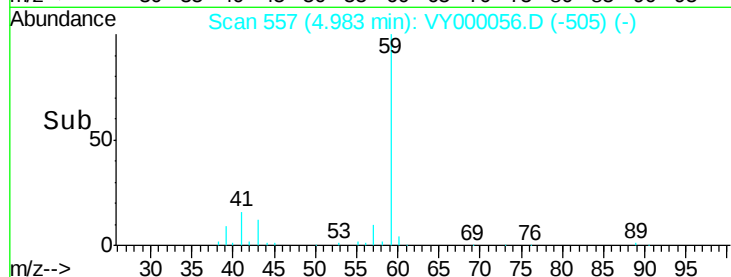
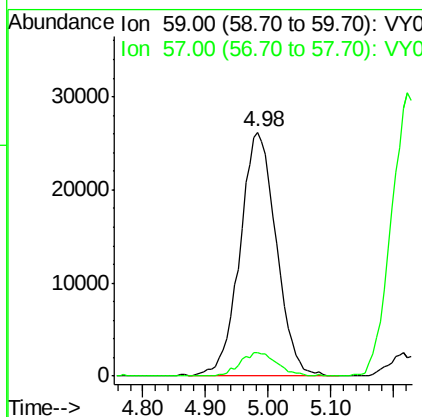
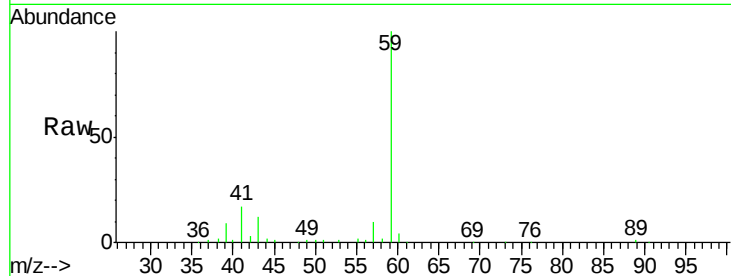
Tert butyl alcohol
Concen: 566.959 ug/l
RT: 4.98 min Scan# 557
Delta R.T. 0.02 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

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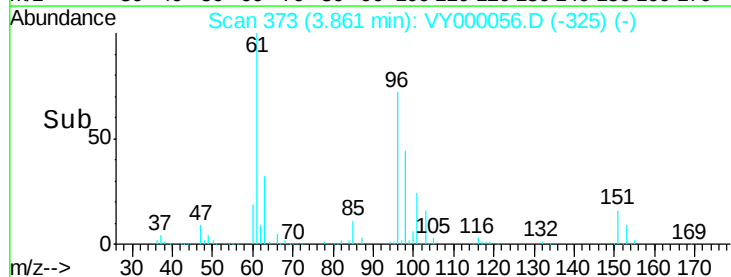
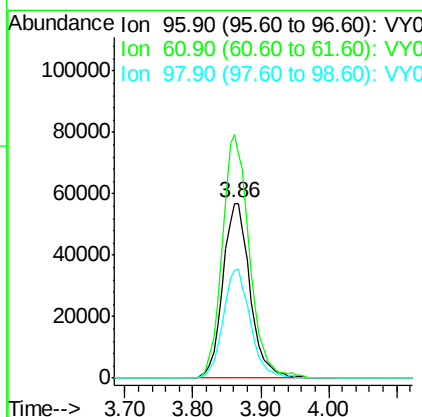
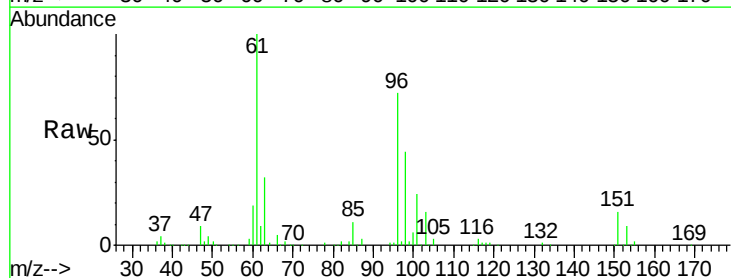
MMDadoda
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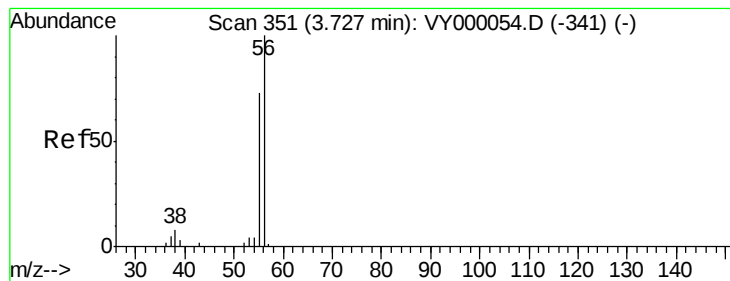


#12

1,1-Dichloroethene
Concen: 126.401 ug/l
RT: 3.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.1	120.4	180.6
98	61.4	54.1	81.1





#13

Acrolein

Concen: 436.462 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 47651

Ion Ratio Lower Upper

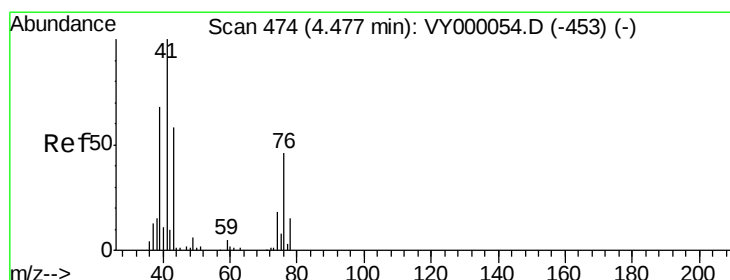
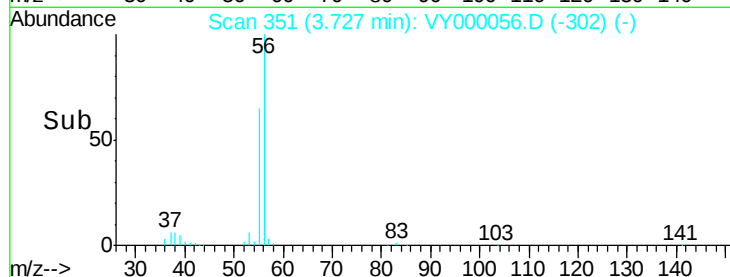
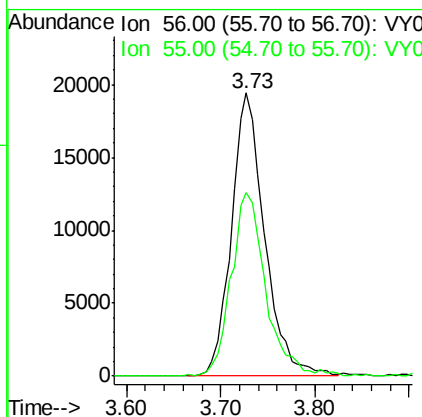
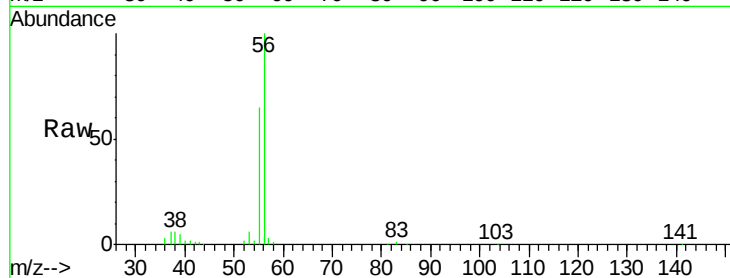
56 100

55 66.7 57.8 86.8

Manual Integrations
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#14

Allyl chloride

Concen: 127.450 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

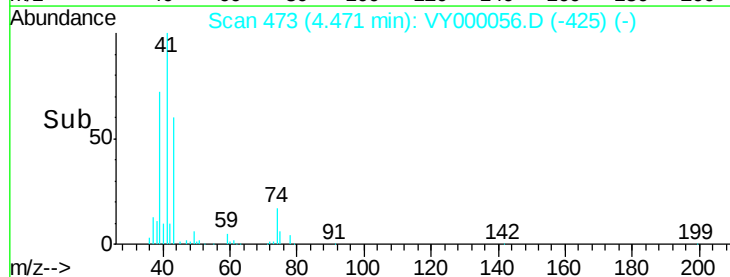
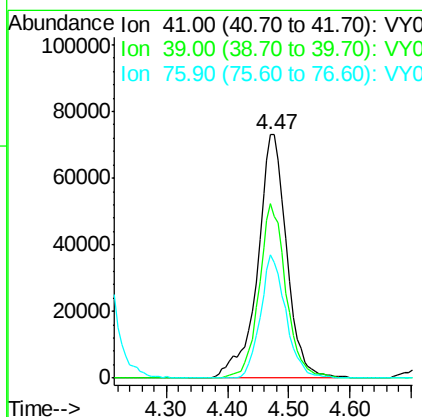
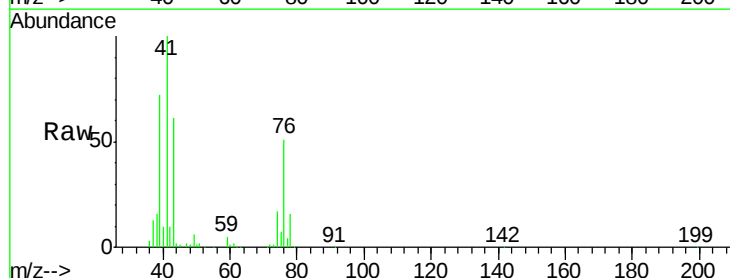
Tgt Ion: 41 Resp: 242644

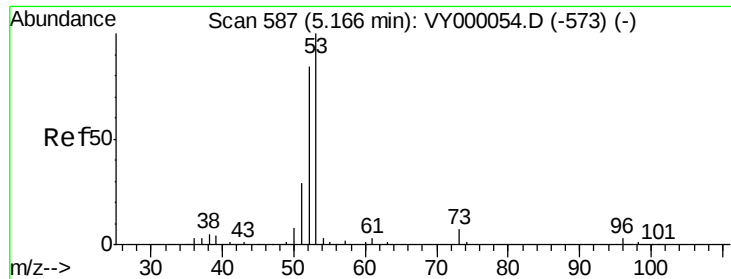
Ion Ratio Lower Upper

41 100

39 66.4 52.7 79.1

76 44.2 35.5 53.3





#15

Acrylonitrile

Concen: 671.996 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

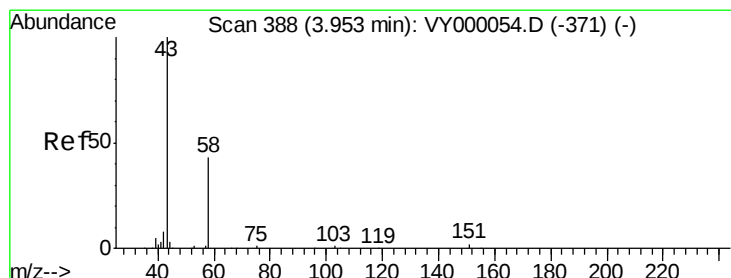
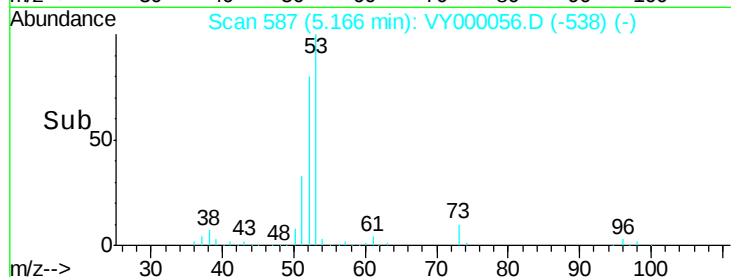
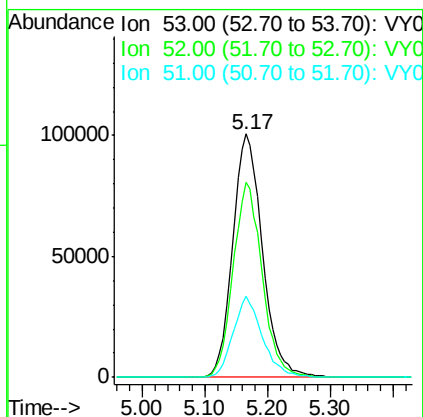
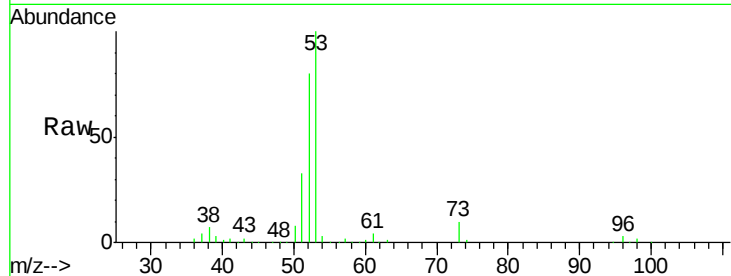
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	330209
Ion	Ratio	Lower	Upper
53	100		
52	78.0	64.7	97.1
51	32.8	26.7	40.1

Manual Integrations
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#16

Acetone

Concen: 641.627 ug/l

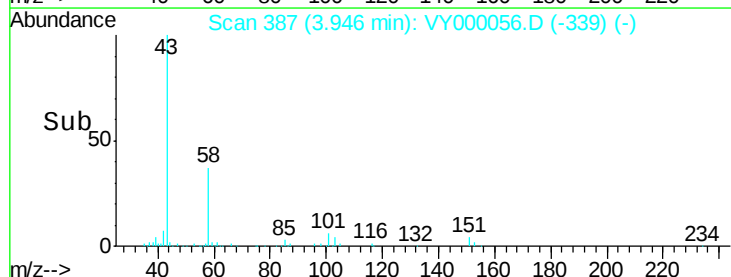
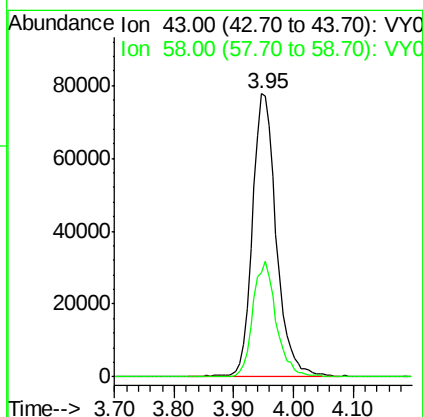
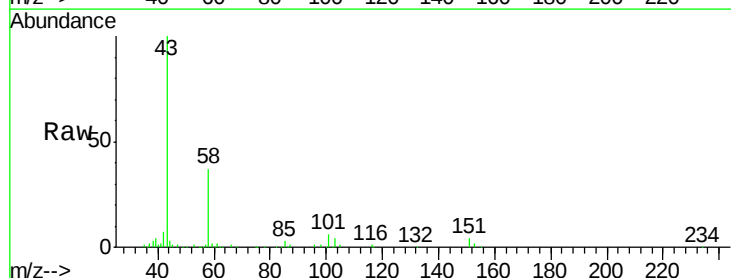
RT: 3.95 min Scan# 387

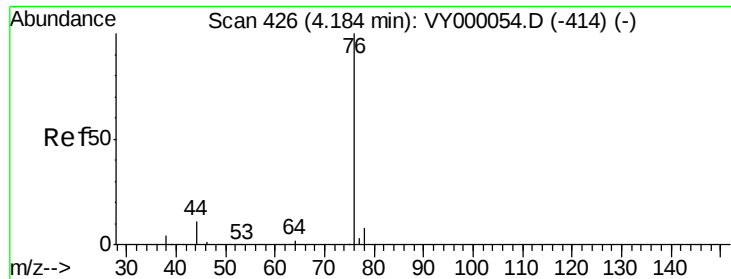
Delta R.T. -0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Tgt Ion:	43	Resp:	217020
Ion	Ratio	Lower	Upper
43	100		
58	36.8	34.5	51.7





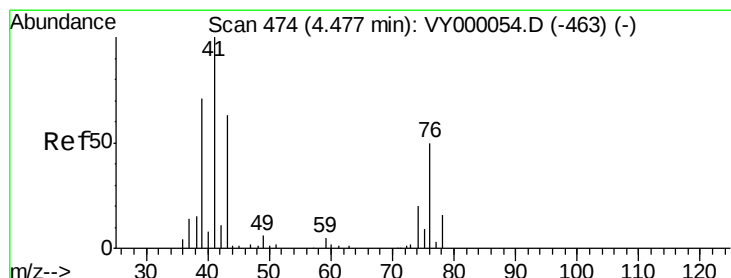
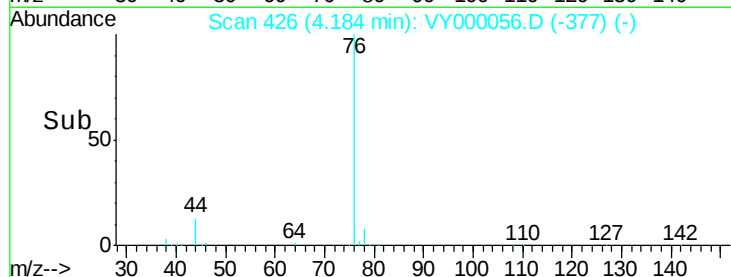
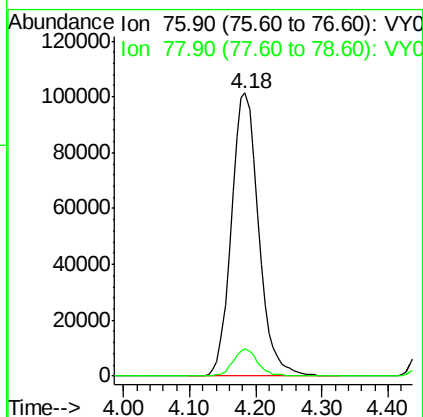
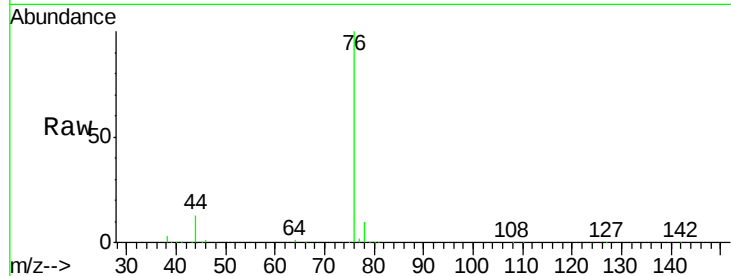
#17
Carbon Disulfide
Concen: 116.756 ug/l
RT: 4.18 min Scan# 426
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.6	9.8#

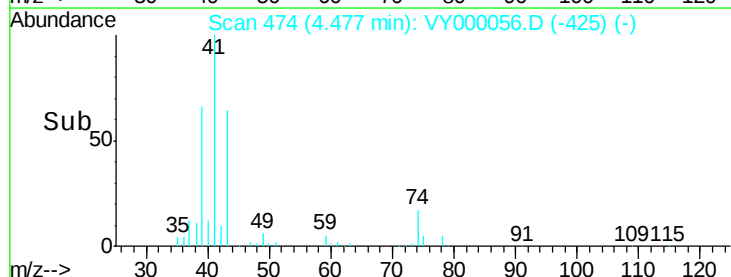
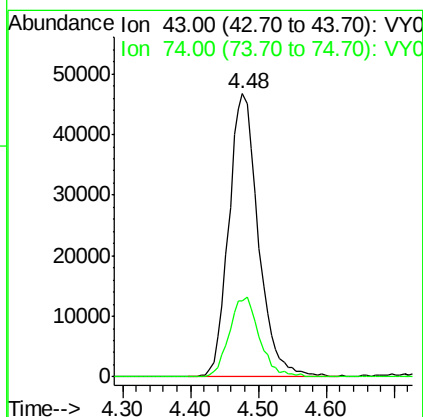
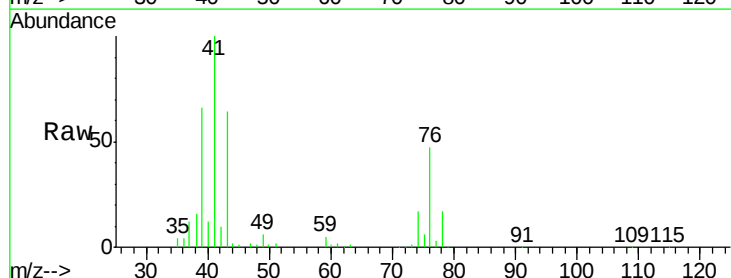
Manual Integrations
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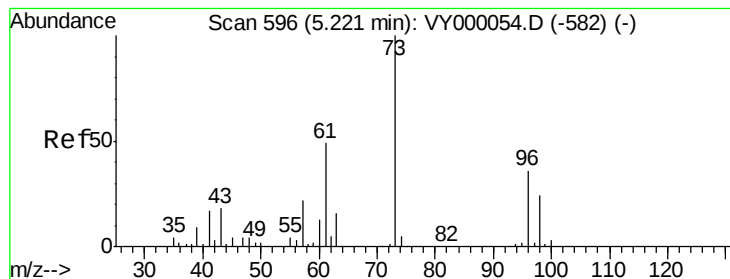
MMDadoda
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#18
Methyl Acetate
Concen: 125.308 ug/l
RT: 4.48 min Scan# 474
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.7	24.1	36.1





#19

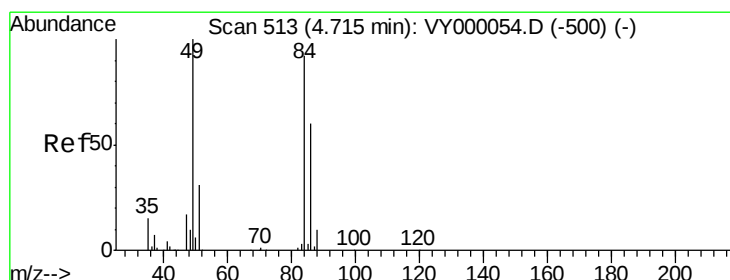
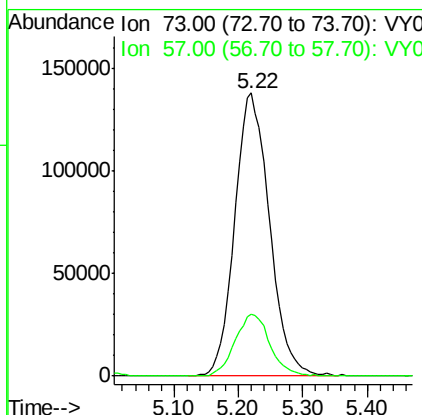
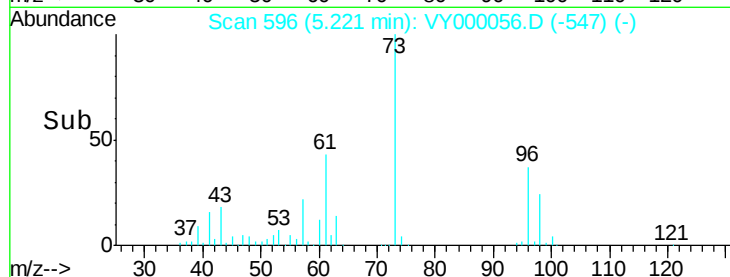
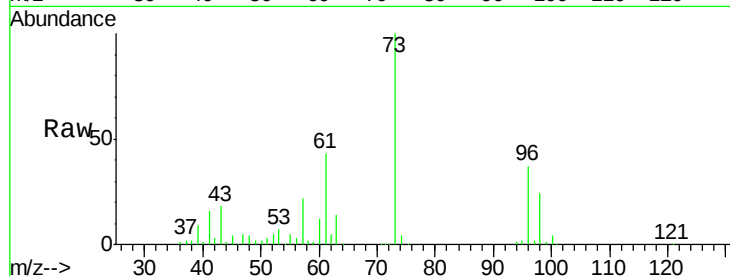
Methyl tert-butyl Ether
 Concen: 137.049 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.5	26.3

Manual Integrations
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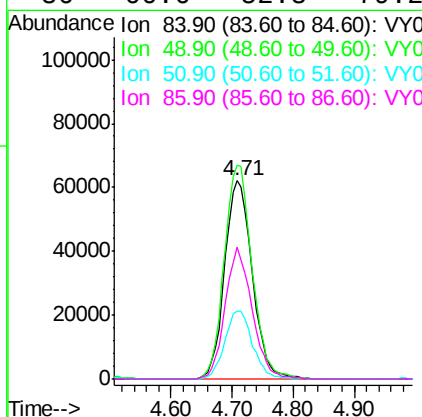
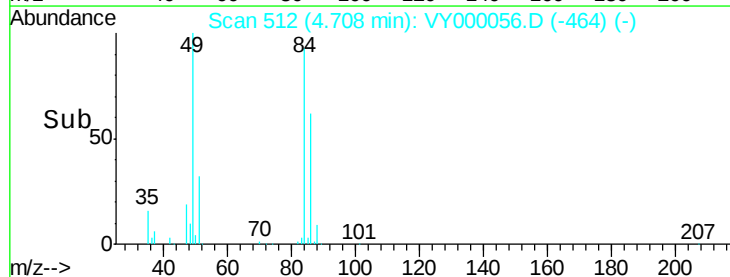
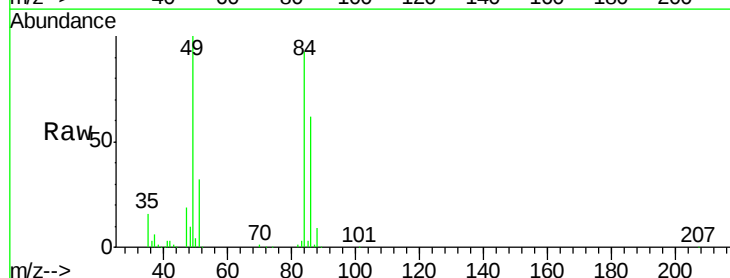
MMDadoda
 9/19/2019 1:29:38 AM

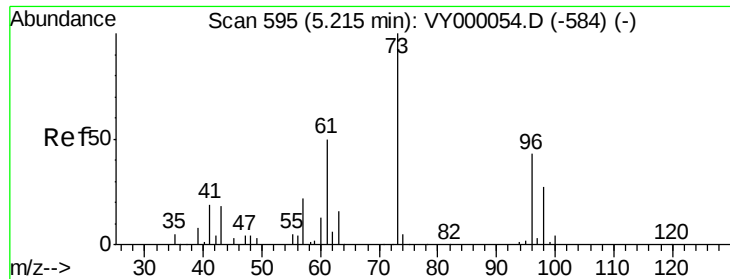


#20

Methylene Chloride
 Concen: 119.738 ug/l
 RT: 4.71 min Scan# 512
 Delta R.T. -0.01 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.8	87.4	131.0
51	34.3	27.2	40.8
86	66.6	52.8	79.2





#21

trans-1,2-Dichloroethene

Concen: 128.187 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

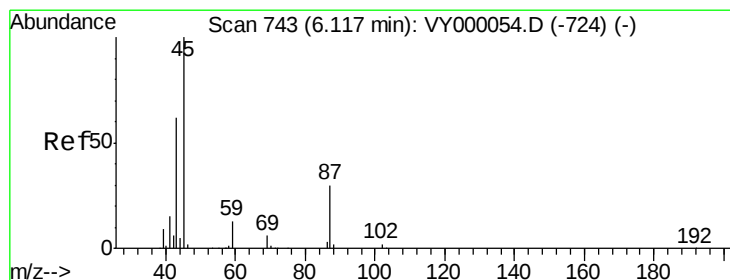
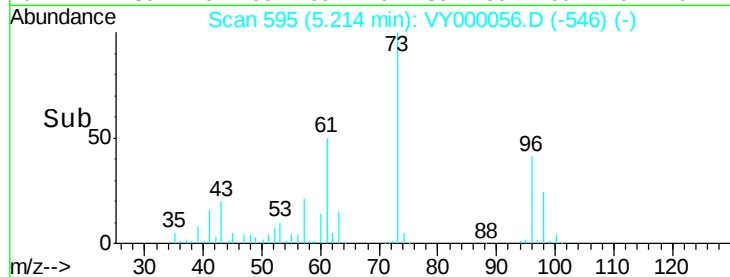
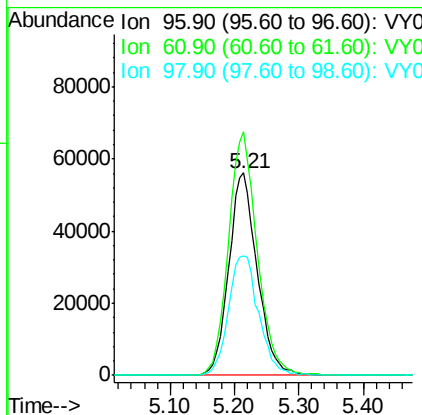
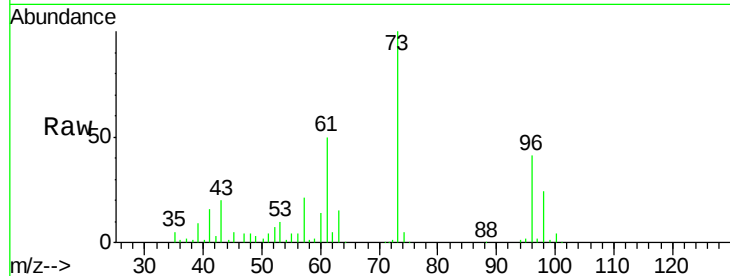
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	172732
Ion	Ratio	Lower	Upper
96	100		
61	120.3	94.0	141.0
98	59.0	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 139.318 ug/l

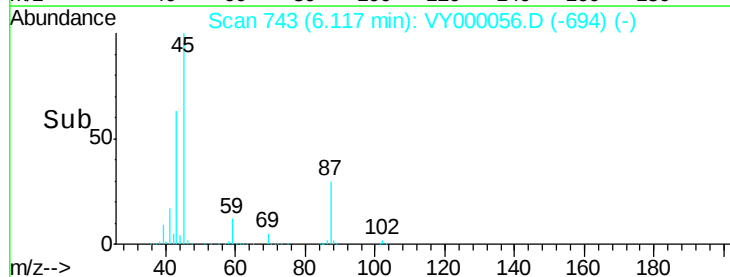
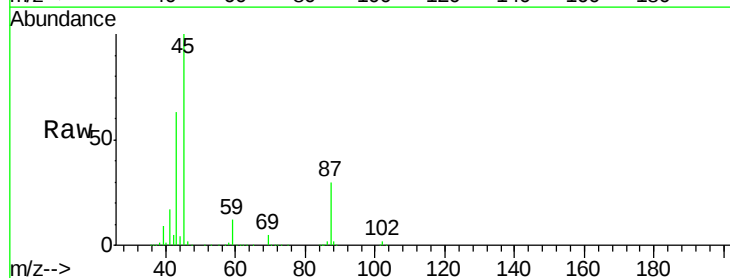
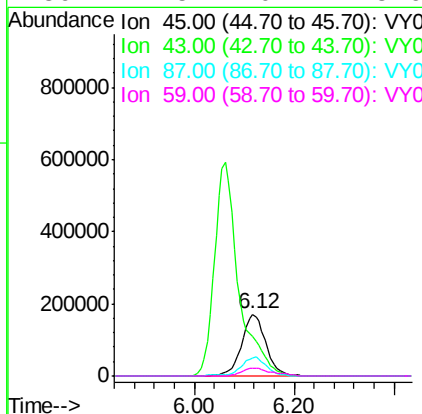
RT: 6.12 min Scan# 743

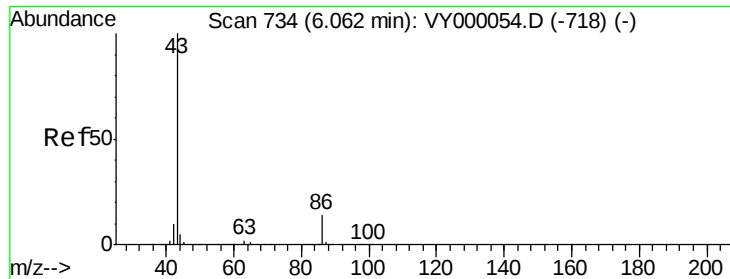
Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Tgt Ion:	45	Resp:	573773
Ion	Ratio	Lower	Upper
45	100		
43	63.4	49.9	74.9
87	30.0	25.0	37.4
59	12.5	10.4	15.6





#23

Vinyl Acetate

Concen: 727.962 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Tot Ion: 43 Resp: 1984694

Ion Ratio Lower Upper

43 100

86 12.5 11.3 16.9

Instrument :

MSVOA_Y

ClientSampleId :

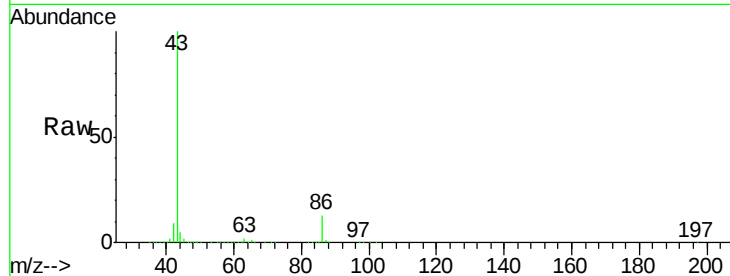
VSTDIC150

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.06

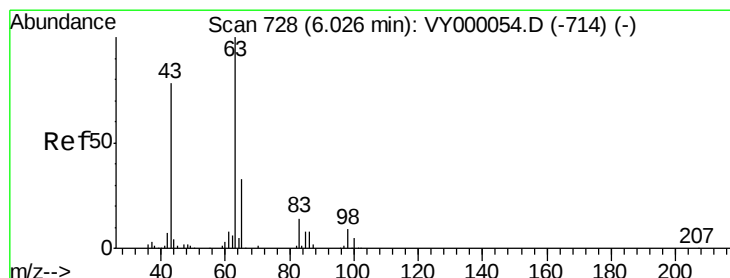
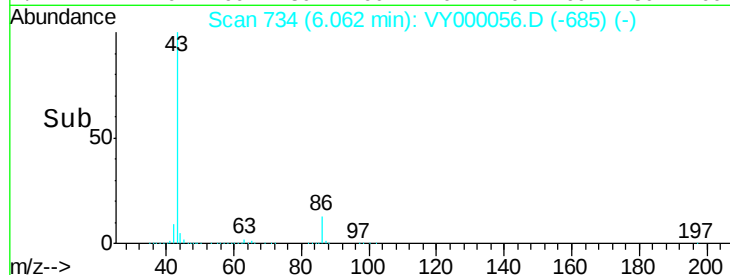
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 134.765 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

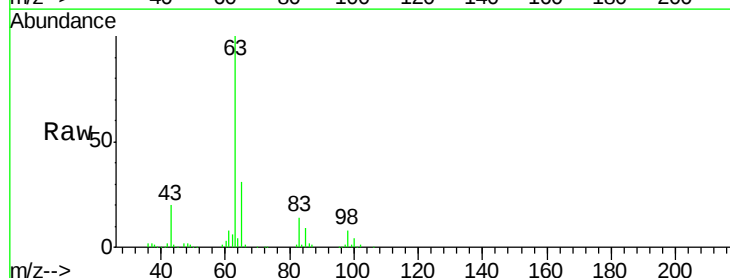
Tgt Ion: 63 Resp: 330634

Ion Ratio Lower Upper

63 100

98 8.2 4.5 13.5

100 4.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

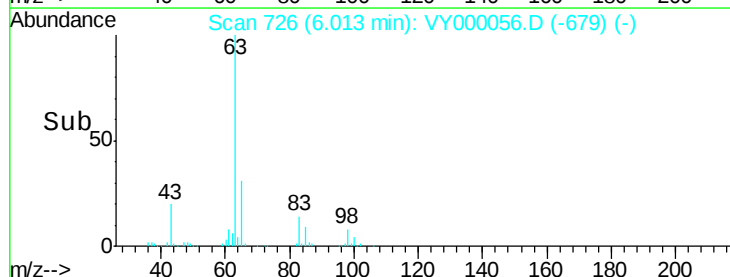
6.01

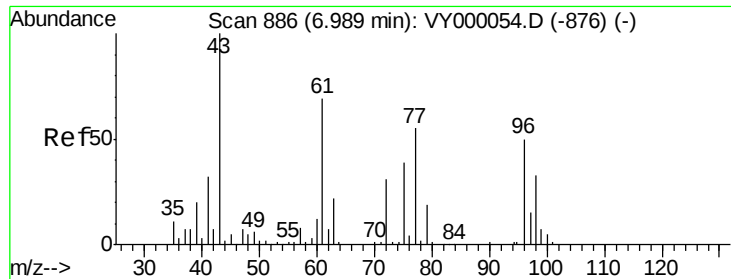
100000

50000

0

Time-->





#25

2-Butanone

Concen: 649.290 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 389636

Ion Ratio Lower Upper

43 100

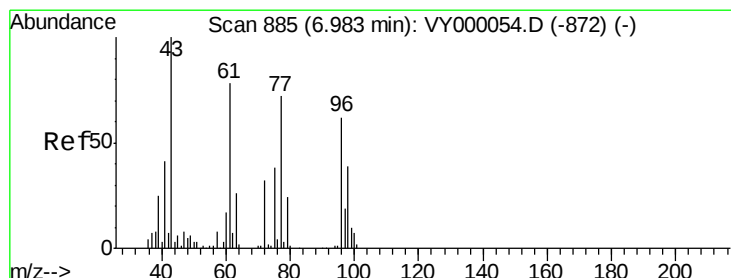
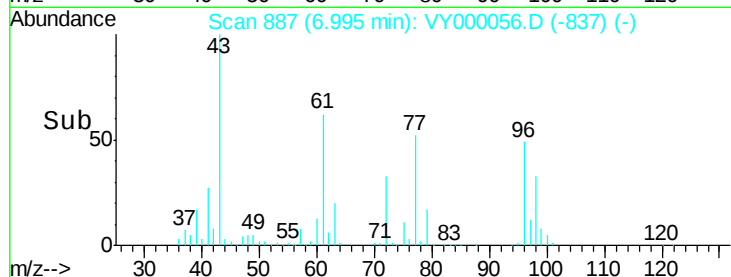
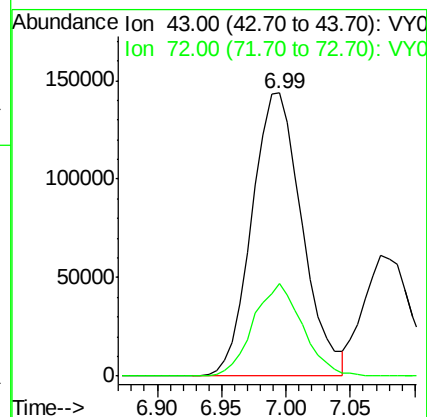
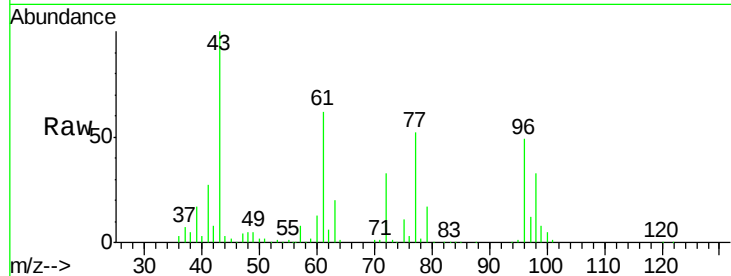
72 32.6 24.7 37.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 119.156 ug/l

RT: 6.98 min Scan# 884

Delta R.T. -0.01 min

Lab File: VY000056.D

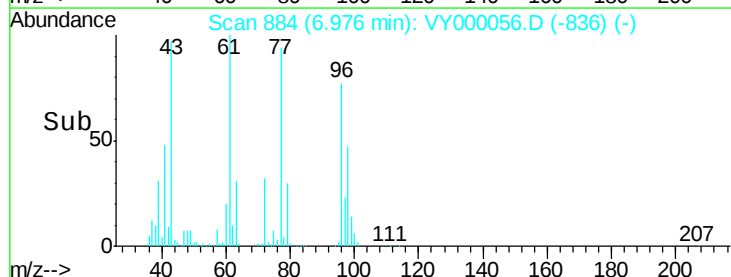
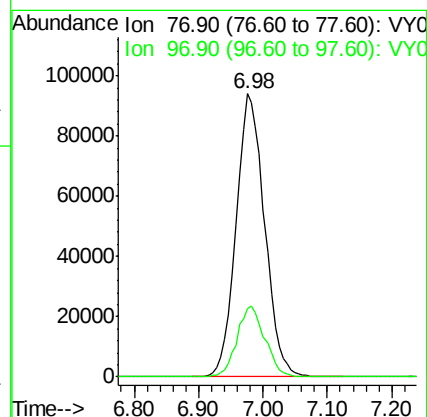
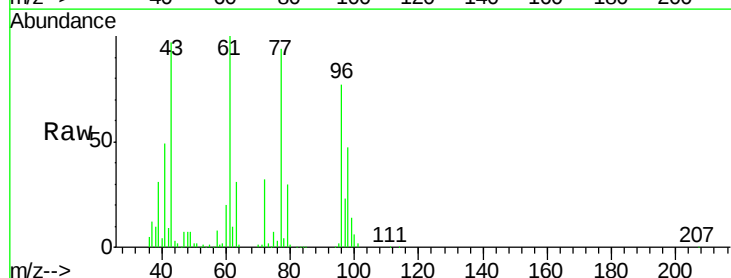
Acq: 17 Sep 2019 12:53

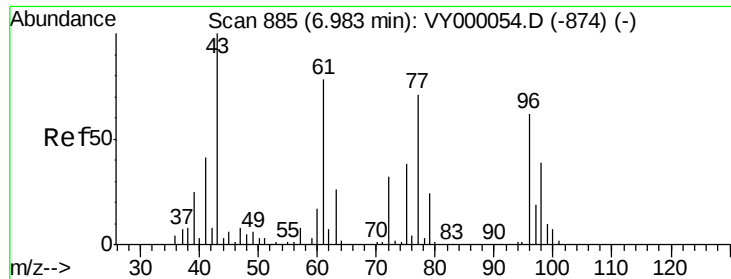
Tgt Ion: 77 Resp: 289154

Ion Ratio Lower Upper

77 100

97 24.4 12.5 37.5





#27

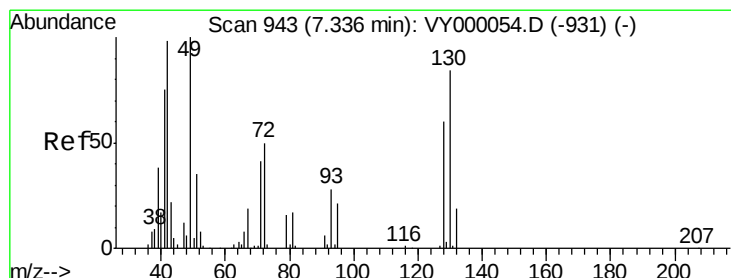
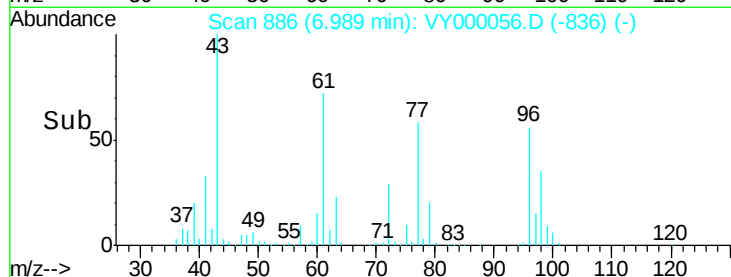
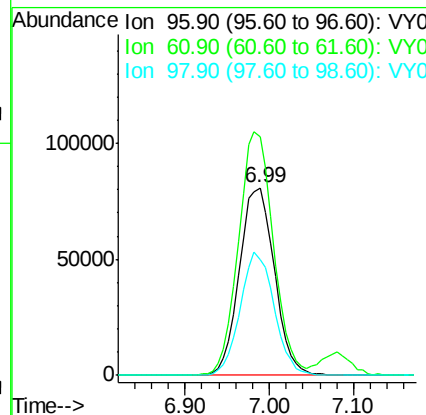
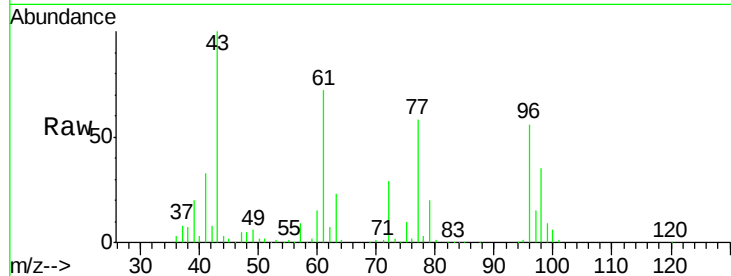
cis-1,2-Dichloroethene
Concen: 133.613 ug/l
RT: 6.99 min Scan# 886
Delta R.T. 0.01 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	227289		
61	129.4	0.0	263.0	
98	63.9	0.0	130.2	

Manual Integrations
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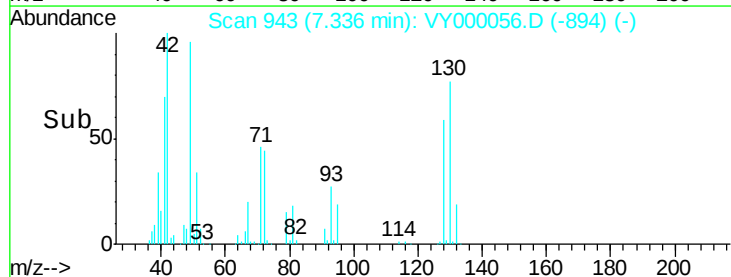
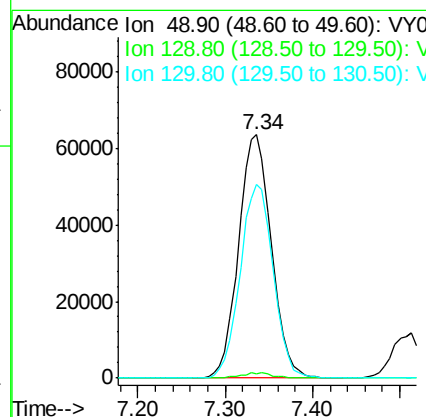
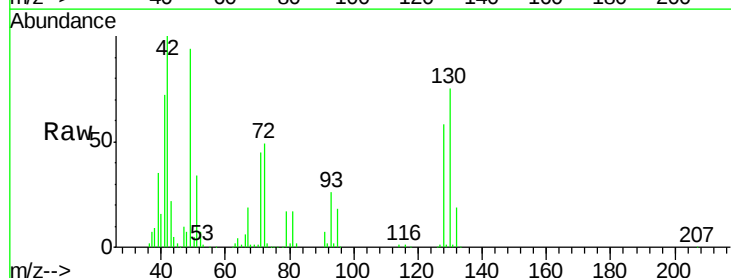
MMDadoda
9/19/2019 1:29:38 AM

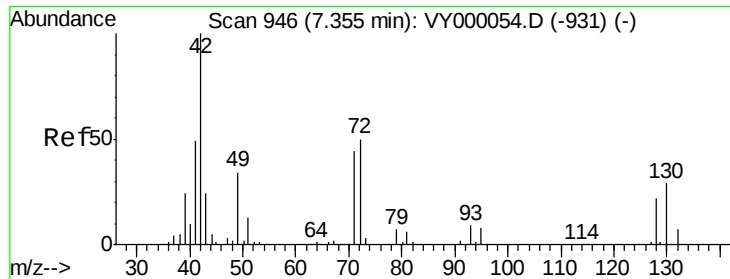


#28

Bromochloromethane
Concen: 144.713 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165594		
129	2.1	0.0	4.8	
130	80.2	66.2	99.4	





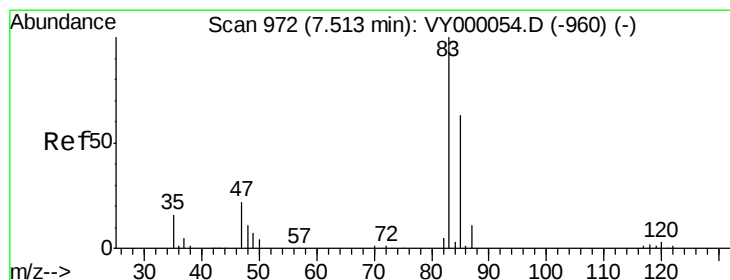
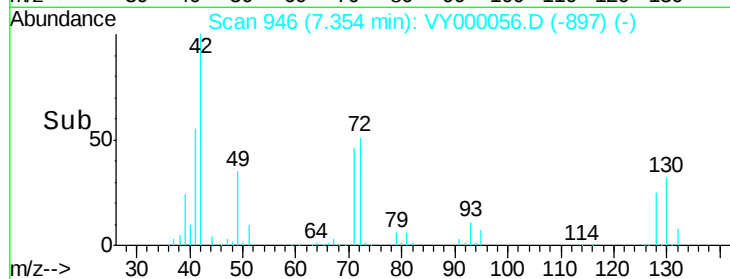
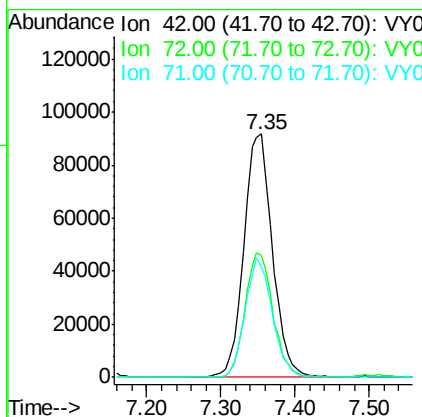
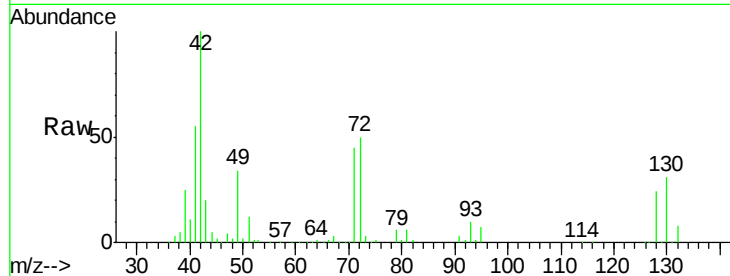
#29
Tetrahydrofuran
Concen: 688.065 ug/l
RT: 7.35 min Scan# 946
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	41.8	62.6
71	46.8	38.6	58.0

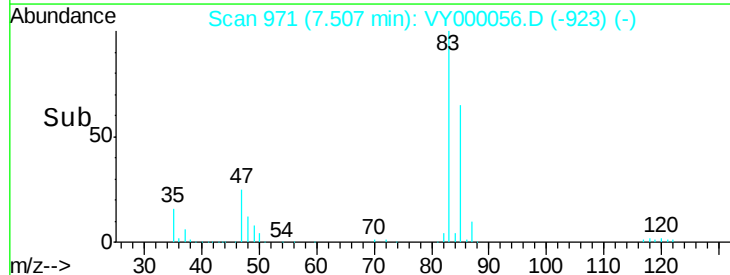
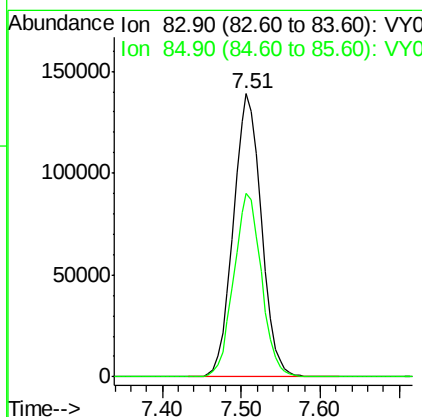
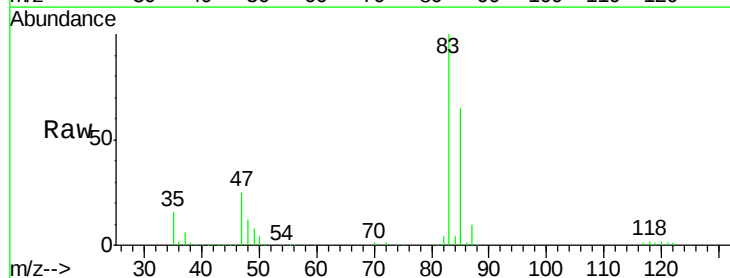
Manual Integrations
APPROVED

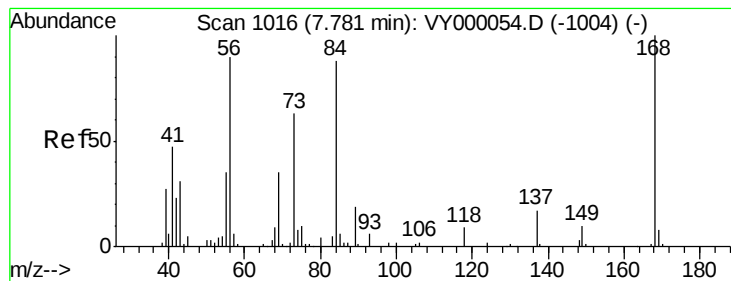
MMDadoda
9/19/2019 1:29:38 AM



#30
Chloroform
Concen: 131.954 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.6	76.0





#31

Cyclohexane

Concen: 110.600 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 236852

Ion Ratio Lower Upper

56 100

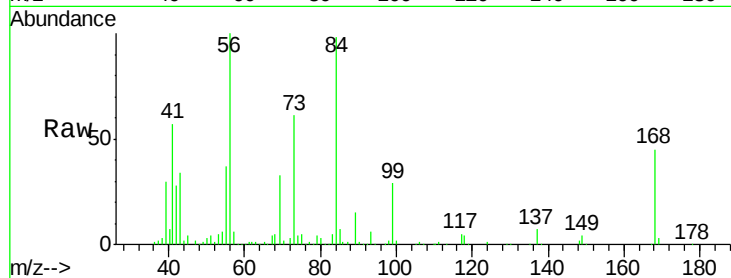
69 32.5 30.9 46.3

84 95.4 78.5 117.7

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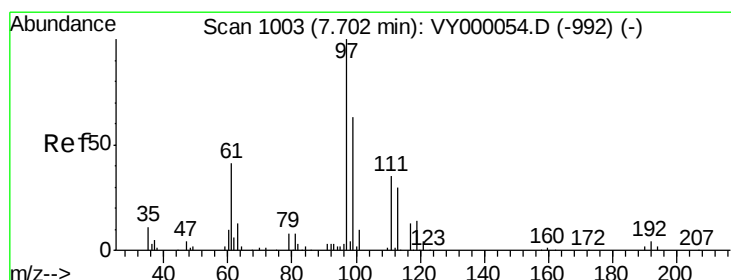
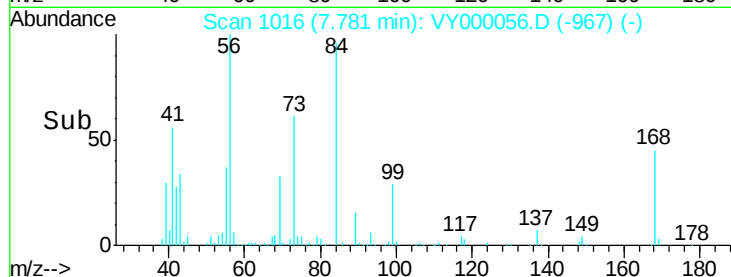
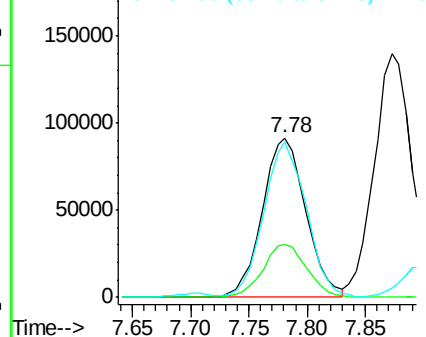
9/19/2019 1:29:38 AM



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: 136.913 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

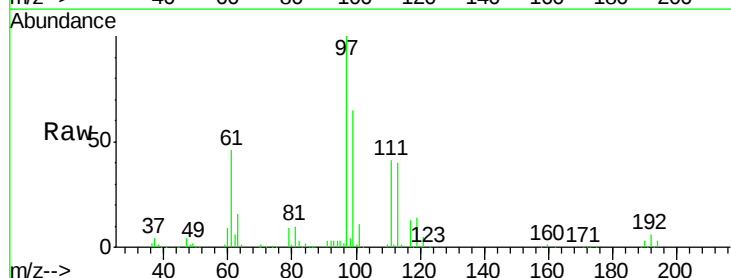
Tgt Ion: 97 Resp: 282799

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

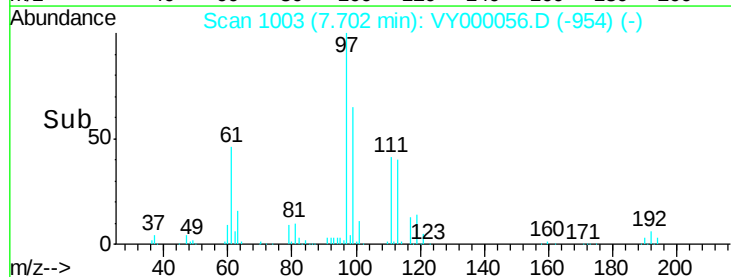
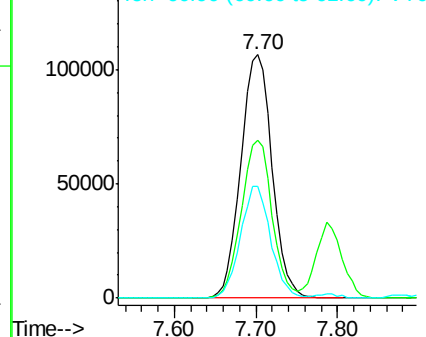
61 44.3 34.3 51.5

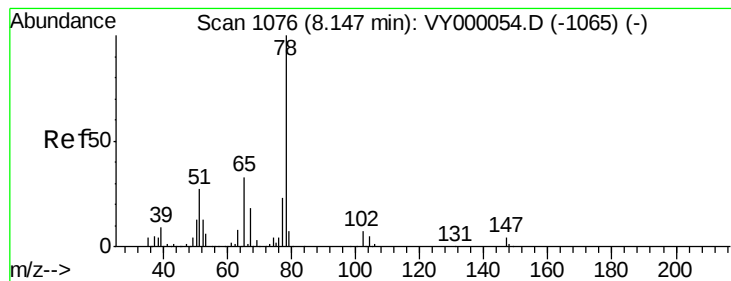


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 133.643 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 196322

Ion Ratio Lower Upper

65 100

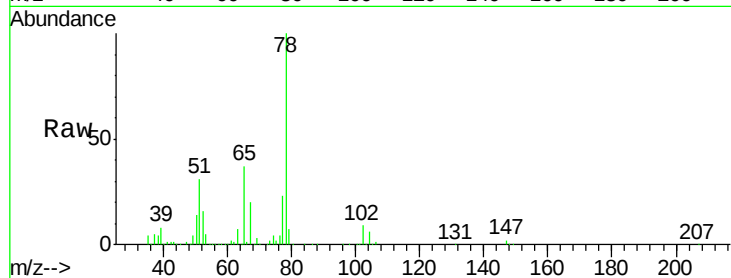
67 54.3 0.0 111.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

100000

80000

60000

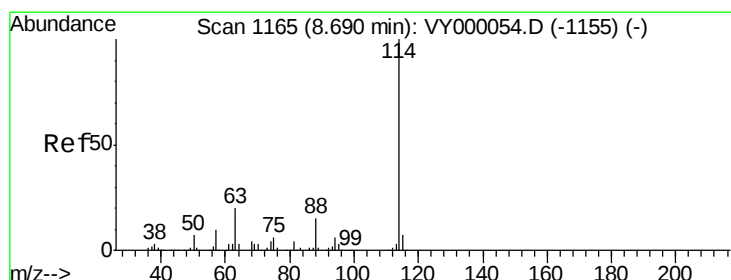
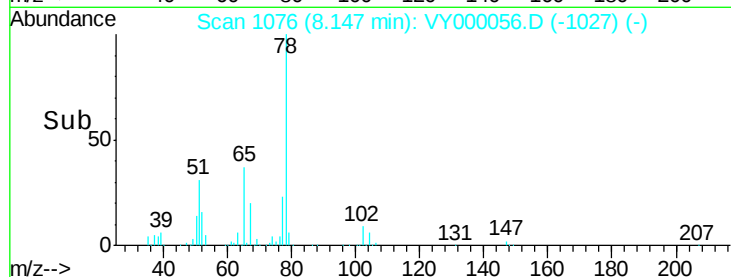
40000

20000

0

8.05 8.10 8.15 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

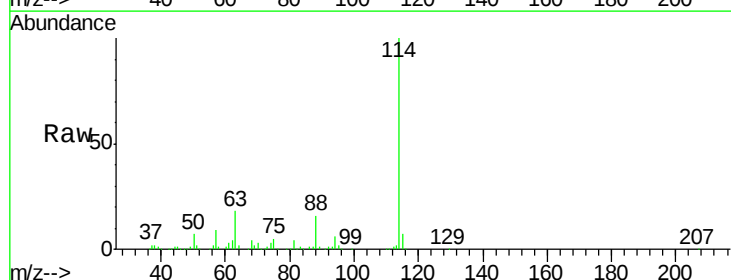
Tgt Ion: 114 Resp: 227824

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.4

88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

8.69

150000

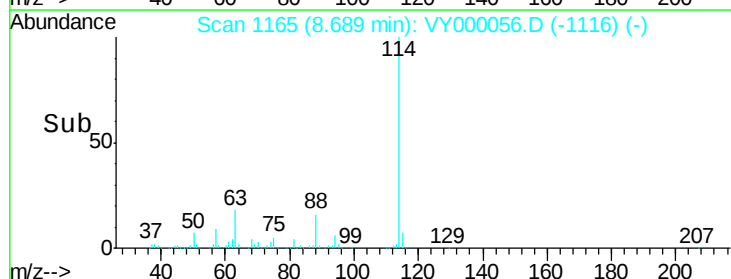
100000

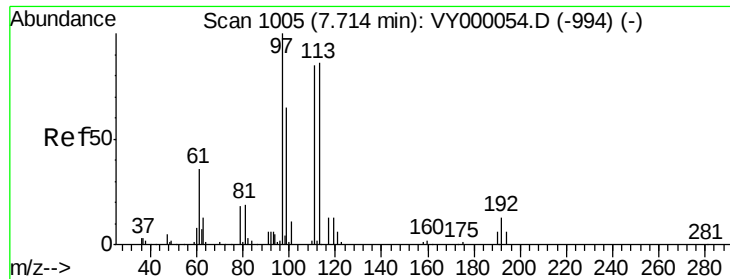
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->





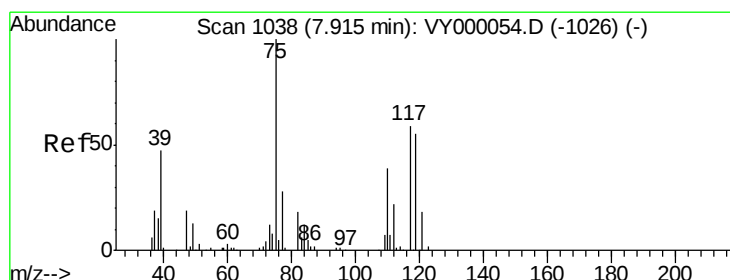
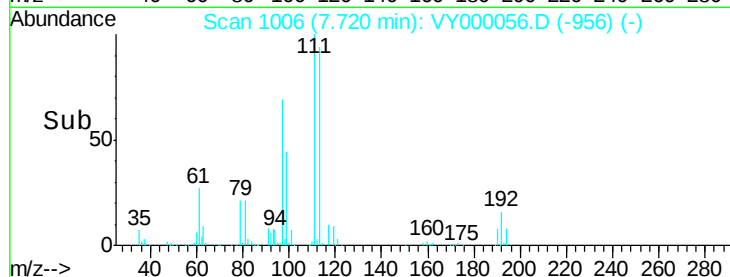
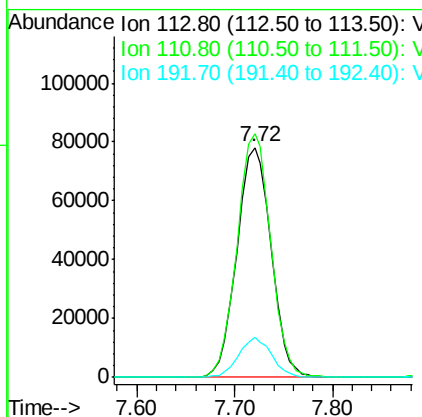
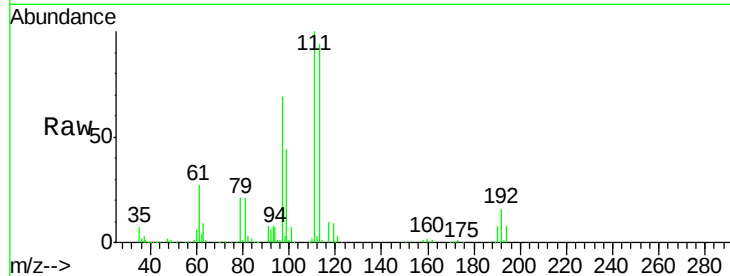
#35
 Dibromofluoromethane
 Concen: 130.536 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190509		
111	104.1	81.7	122.5	
192	16.6	13.4	20.2	

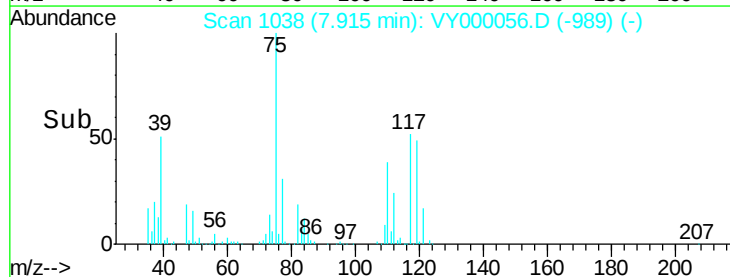
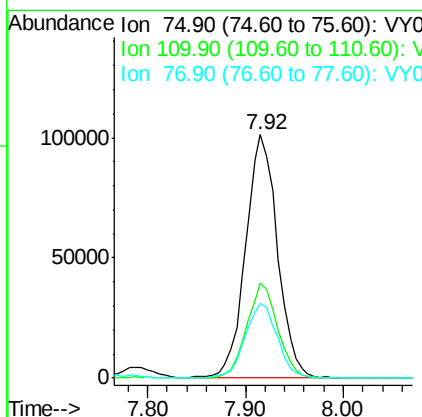
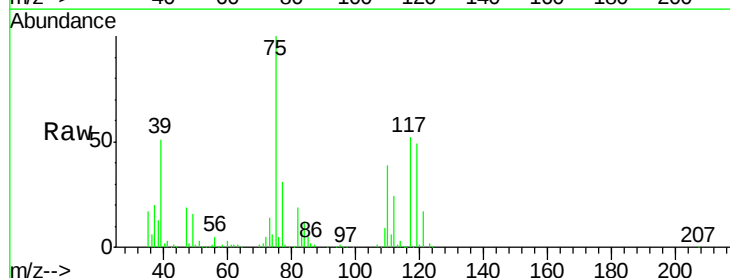
Manual Integrations
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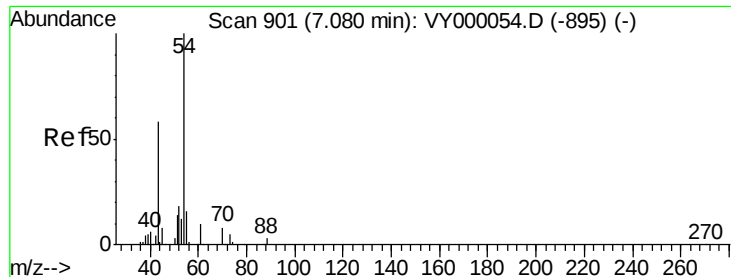
MMDadoda
 9/19/2019 1:29:38 AM



#36
 1,1-Dichloropropene
 Concen: 126.980 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	227367		
110	38.0	19.6	58.7	
77	31.3	24.3	36.5	





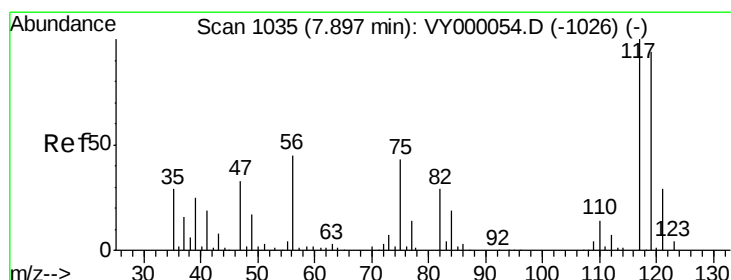
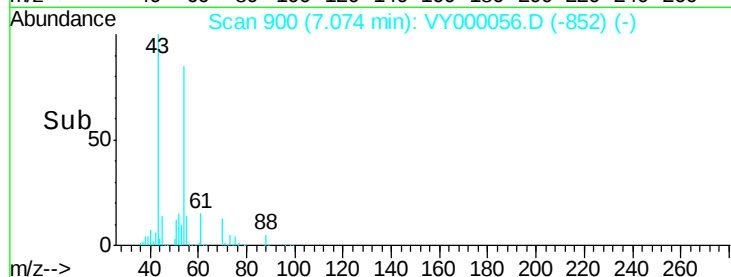
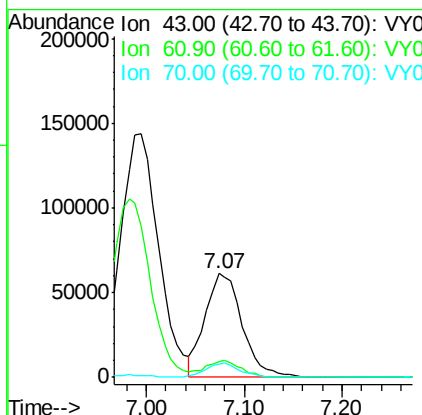
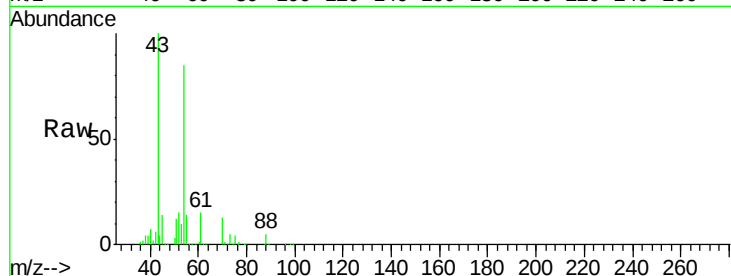
#37
Ethyl Acetate
Concen: 141.544 ug/l
RT: 7.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	14.1	21.1
70	12.5	10.6	15.8

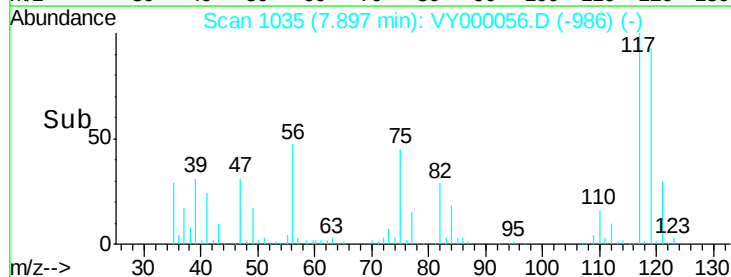
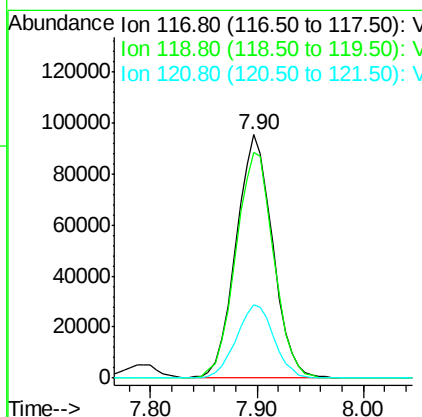
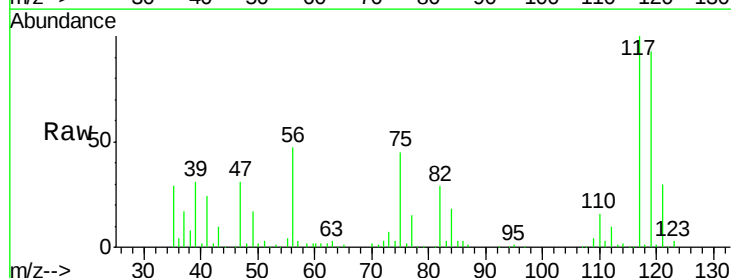
Manual Integrations
APPROVED

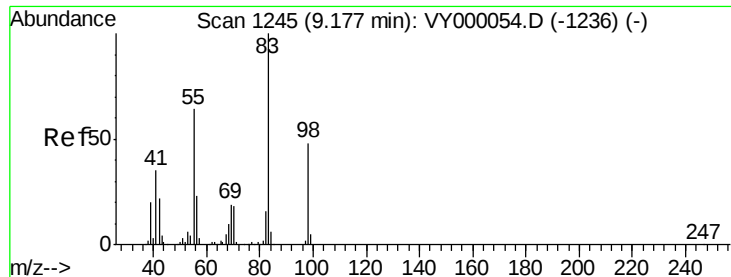
MMDadoda
9/19/2019 1:29:38 AM



#38
Carbon Tetrachloride
Concen: 140.238 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.0	112.6
121	30.3	22.8	34.2





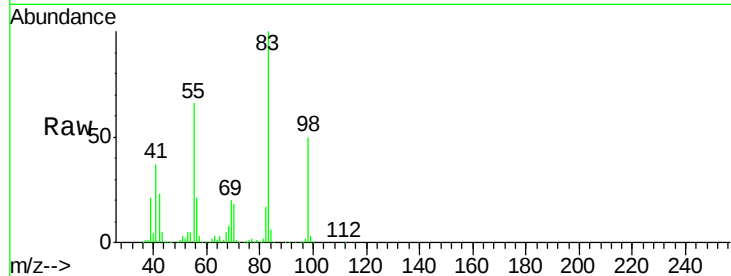
#39
Methvlcvclohexane
Concen: 130.138 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

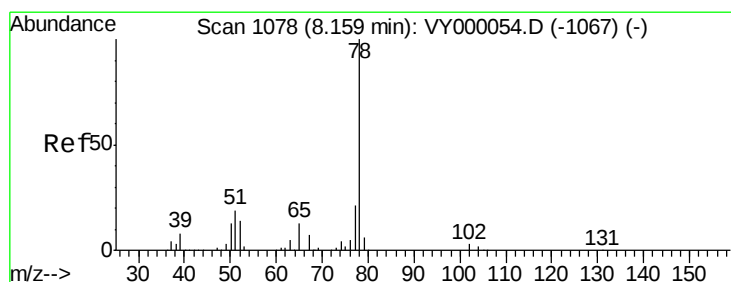
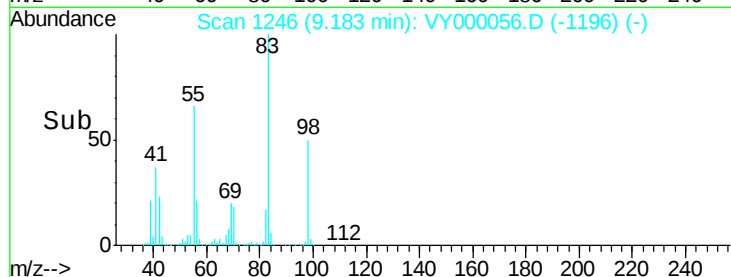
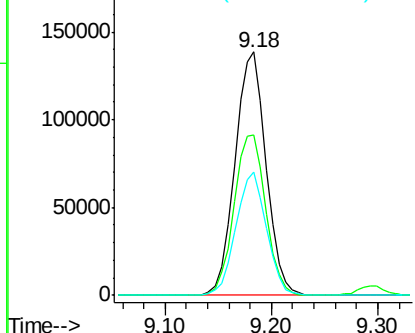
Tot Ion	Ratio	Resp	Lower	Upper
83	100	283045		
55	65.8		51.0	76.6
98	50.4		38.5	57.7

Manual Integrations
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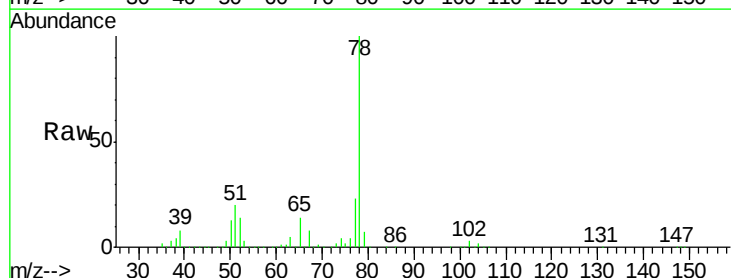


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

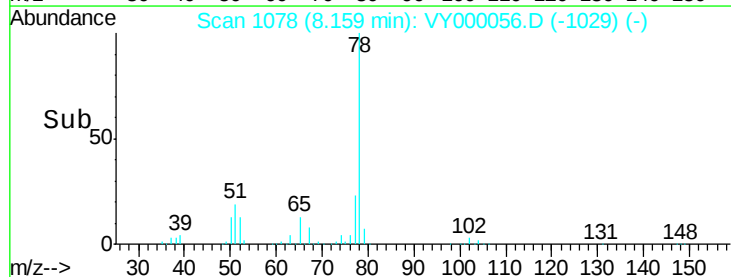
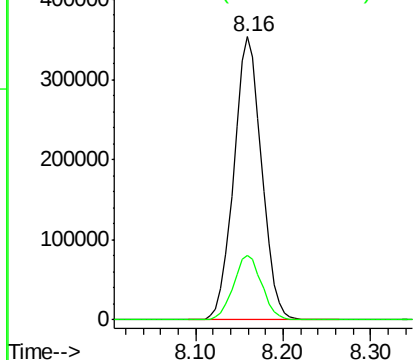


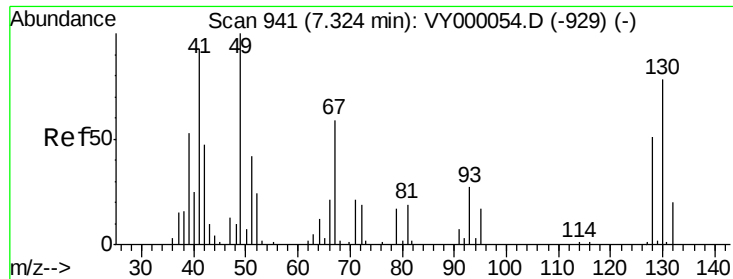
#40
Benzene
Concen: 134.975 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	778908		
77	22.8		16.8	25.2



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





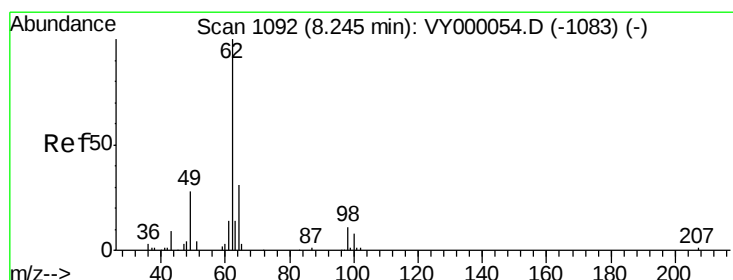
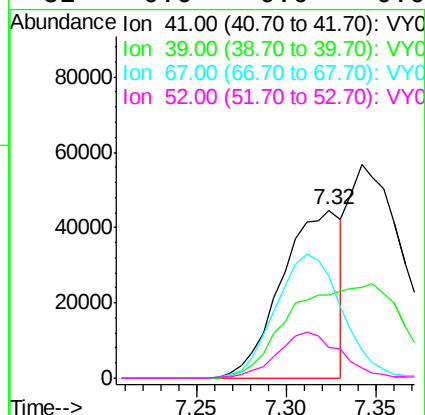
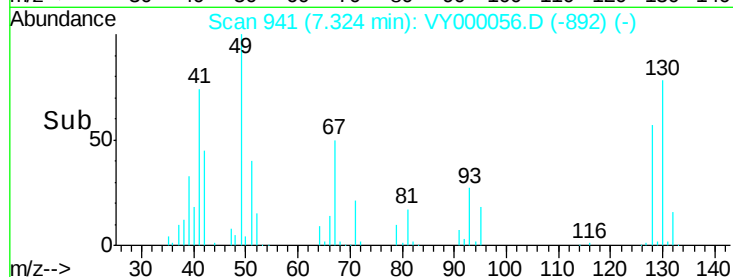
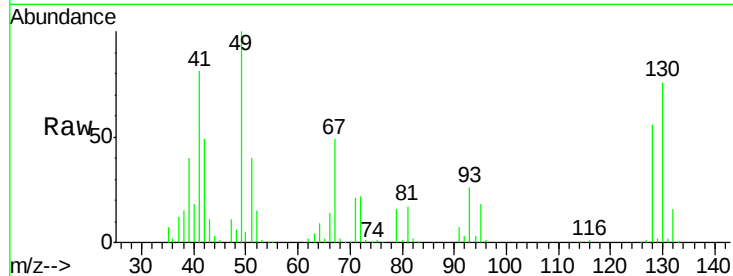
#41
Methacrylonitrile
Concen: 164.081 ug/l m
RT: 7.32 min Scan# 941
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	102936
Ion Ratio	Lower	Upper	
41	100		
39	106.7	91.8	137.6
67	0.0	0.0	0.0
52	0.0	0.0	0.0

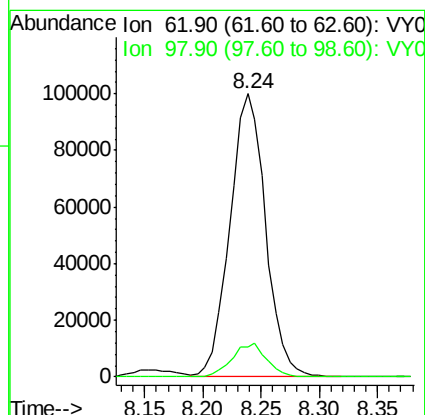
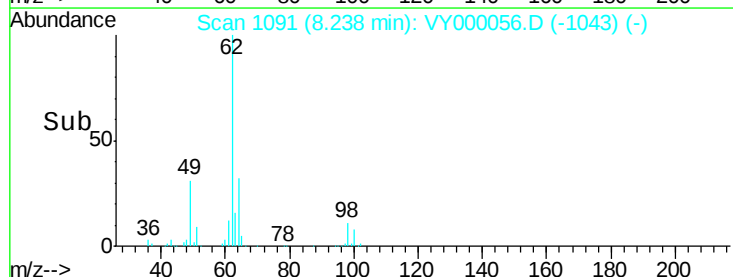
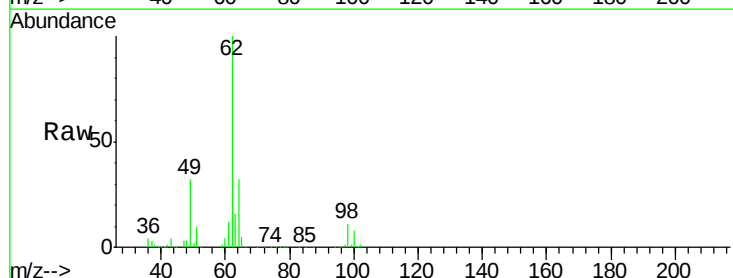
Manual Integrations
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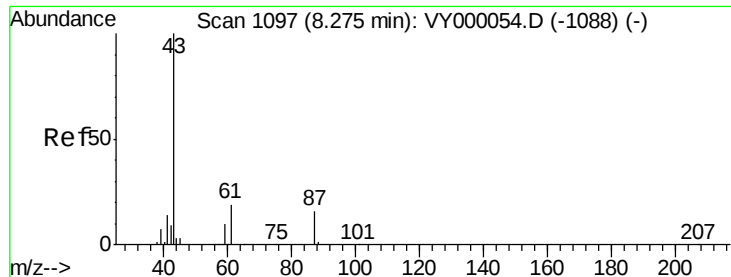
MMDadoda
9/19/2019 1:29:38 AM



#42
1,2-Dichloroethane
Concen: 143.372 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion:	62	Resp:	213117
Ion Ratio	Lower	Upper	
62	100		
98	11.5	0.0	23.6





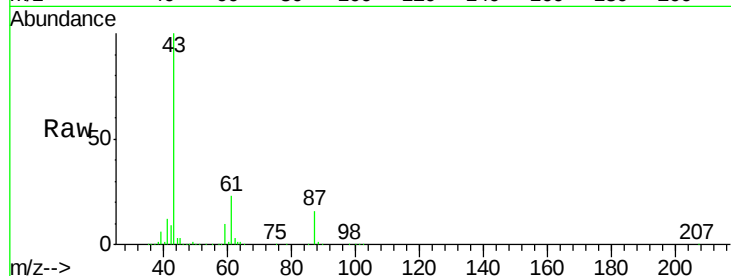
#43
Isopropyl Acetate
Concen: 143.001 ug/l
RT: 8.27 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

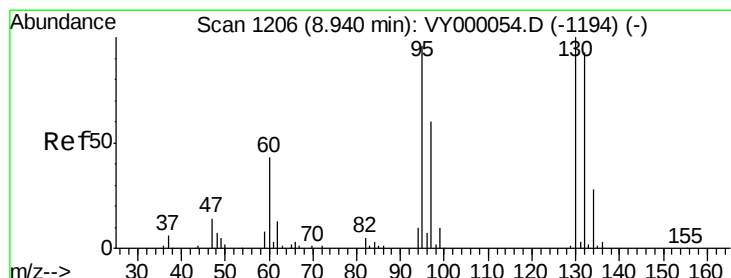
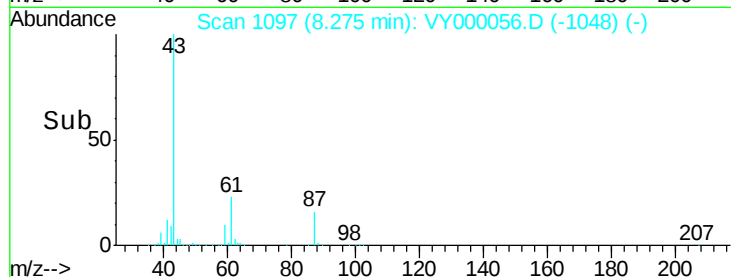
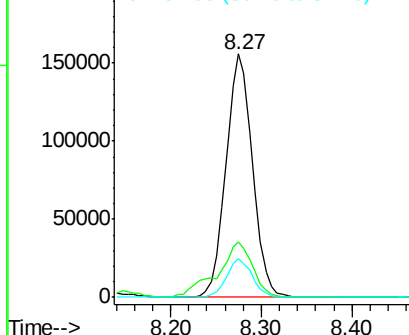
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	25.0	37.6
87	15.4	12.4	18.6

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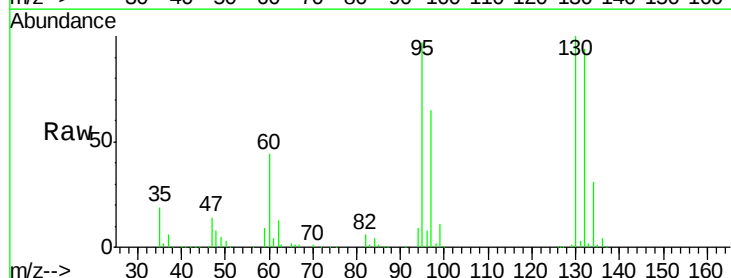


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

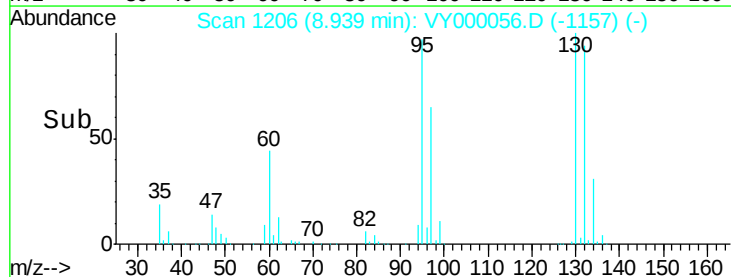
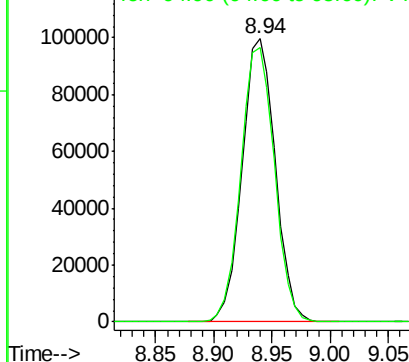


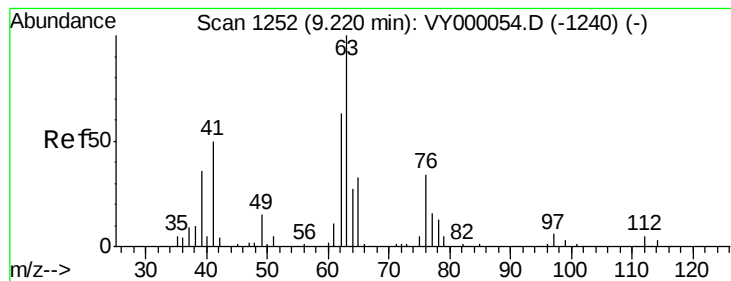
#44
Trichloroethene
Concen: 135.148 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	192.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





#45

1,2-Dichloropropane

Concen: 135.511 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 202488

Ion Ratio Lower Upper

63 100

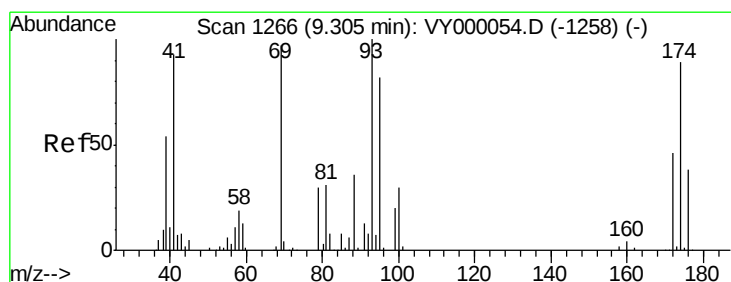
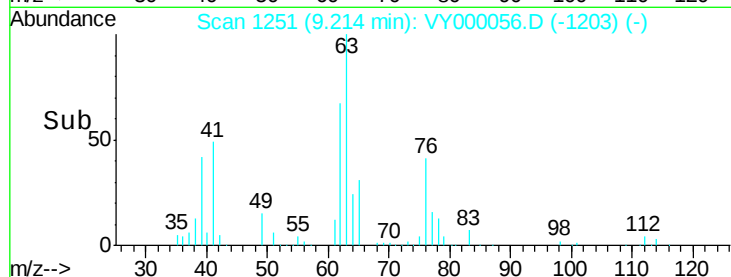
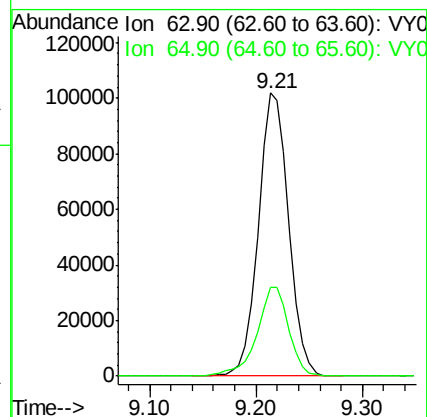
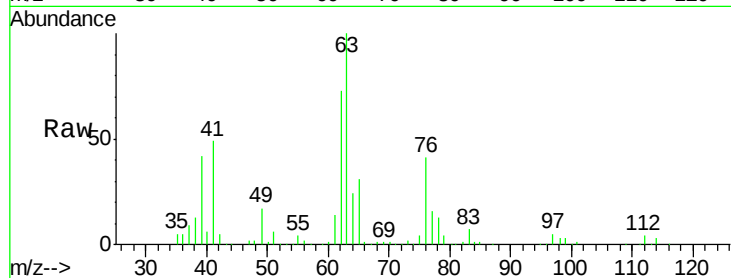
65 31.3 26.2 39.4

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#46

Dibromomethane

Concen: 138.625 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

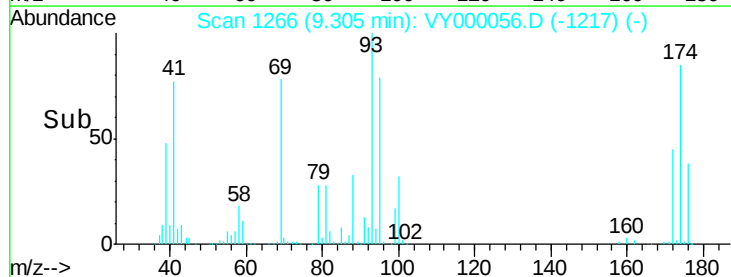
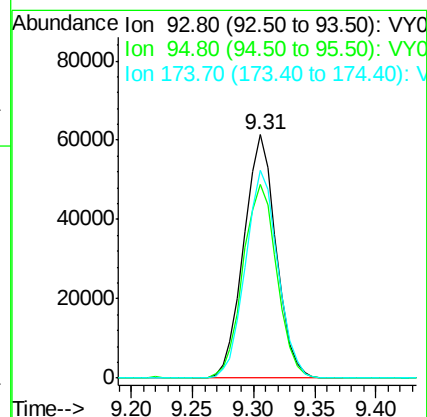
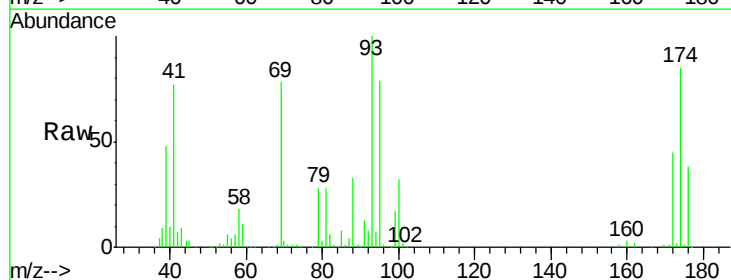
Tgt Ion: 93 Resp: 112282

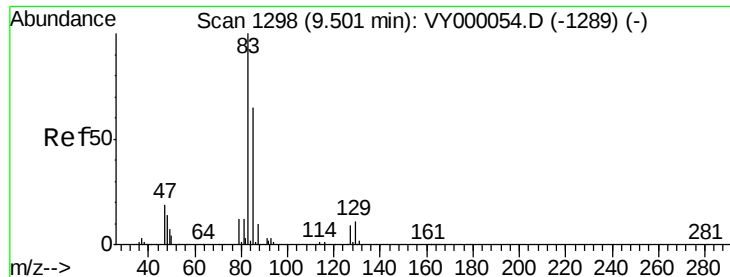
Ion Ratio Lower Upper

93 100

95 83.4 68.1 102.1

174 85.7 67.8 101.6





#47

Bromodichloromethane

Concen: 137.091 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

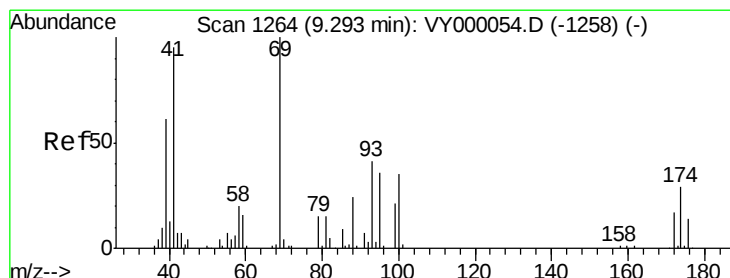
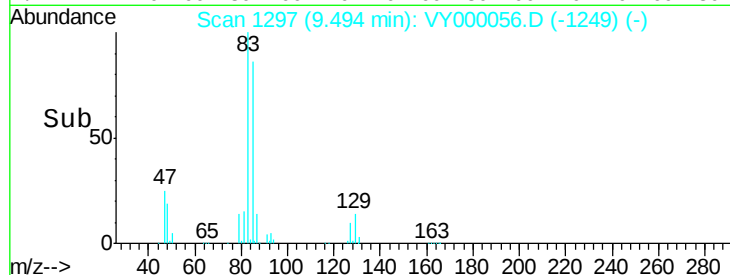
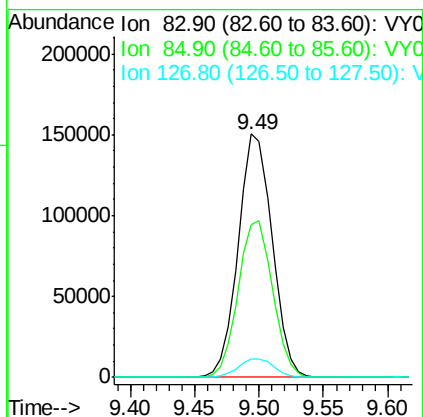
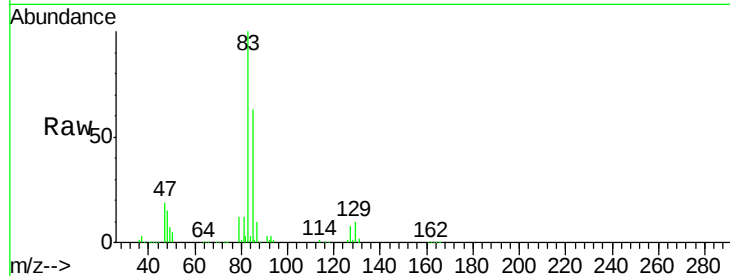
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	275346
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.3	78.5
127	7.7	6.8	10.2

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#48

Methyl methacrylate

Concen: 141.483 ug/l

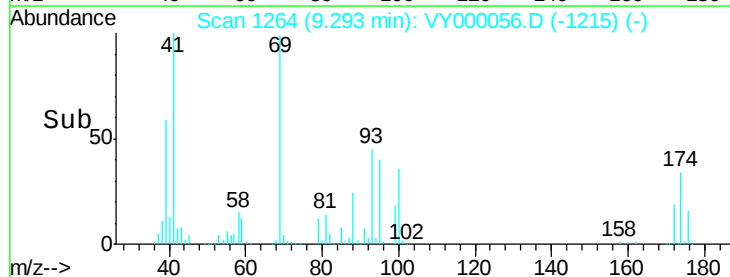
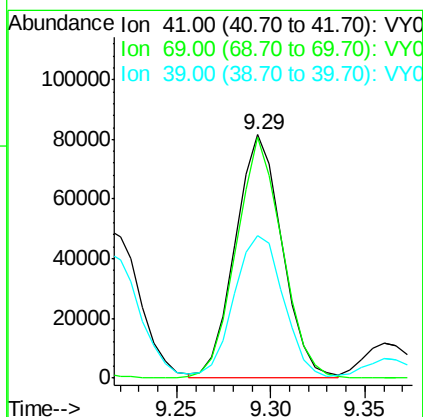
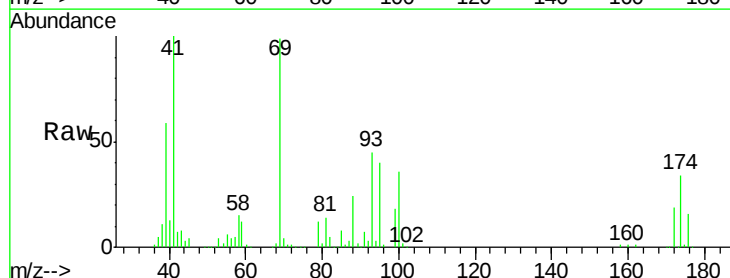
RT: 9.29 min Scan# 1264

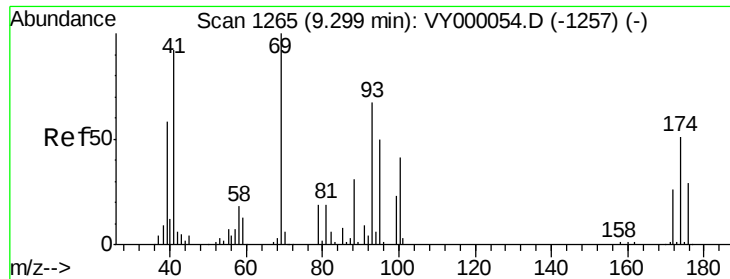
Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Tgt Ion:	41	Resp:	140719
Ion	Ratio	Lower	Upper
41	100		
69	97.0	78.1	117.1
39	61.9	49.4	74.0





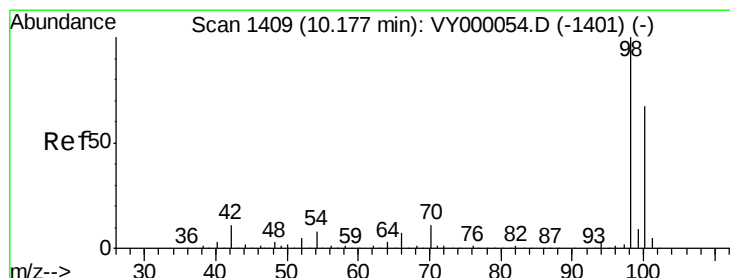
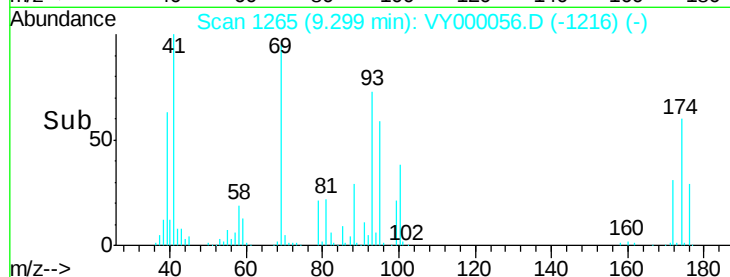
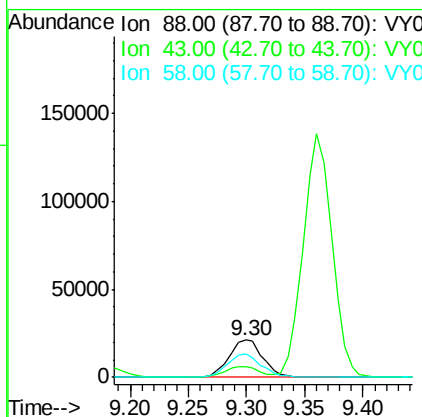
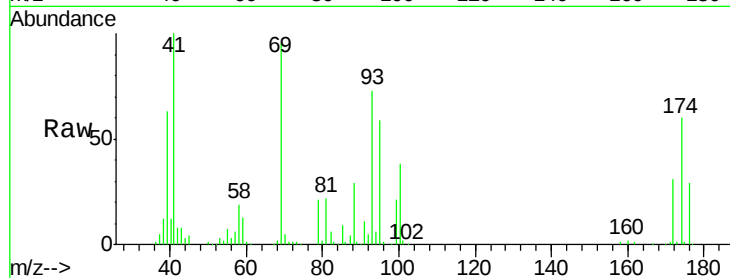
#49
 1,4-Dioxane
 Concen: 2760.576 ug/l
 RT: 9.30 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	18.7	28.1#
58	63.5	53.0	79.6

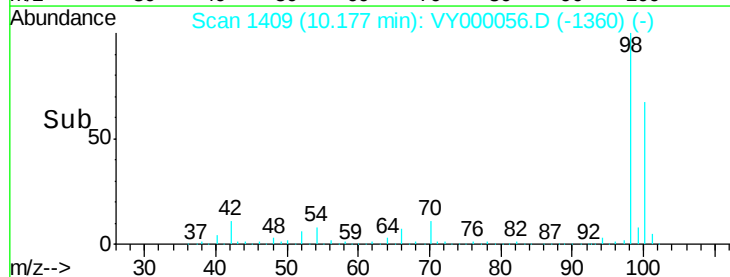
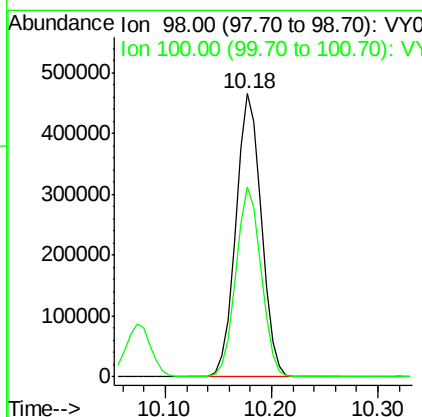
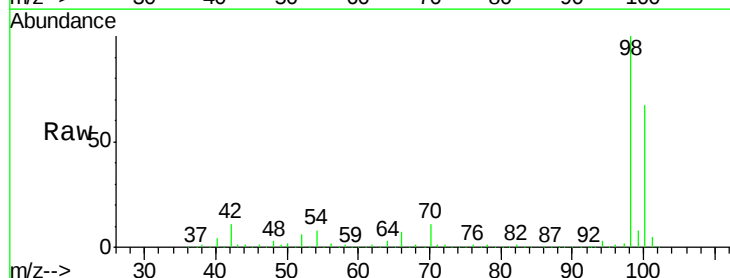
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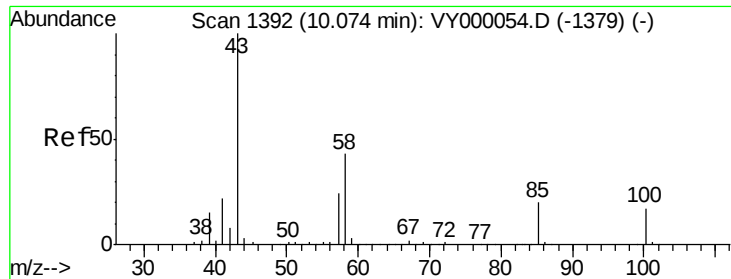
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#50
 Toluene-d8
 Concen: 139.449 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 697.537 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 853960

Ion Ratio Lower Upper

43 100

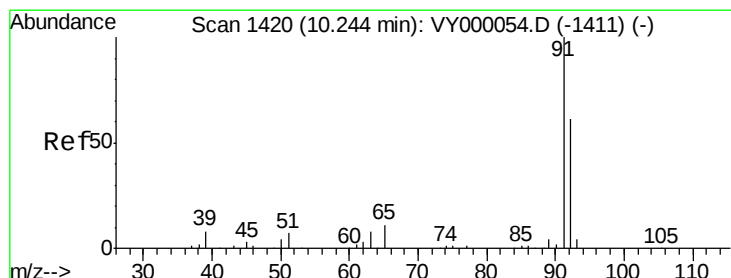
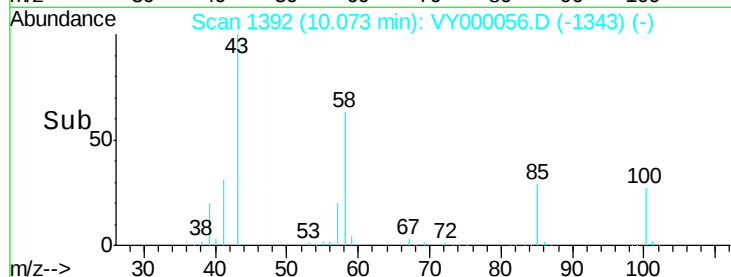
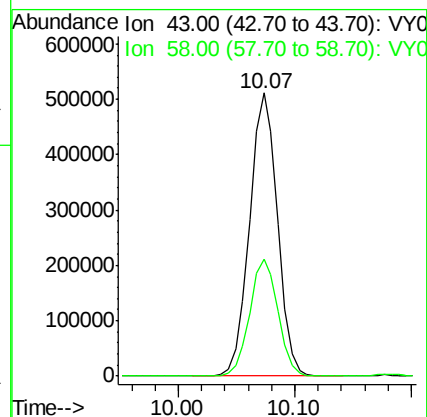
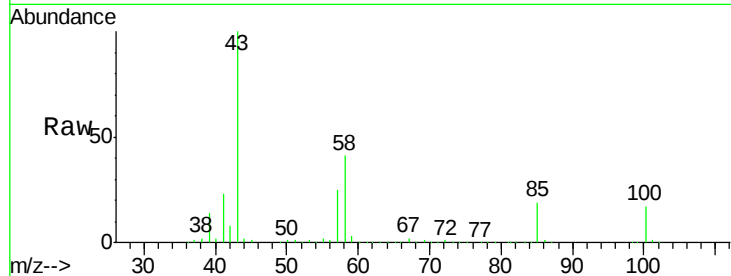
58 41.7 34.2 51.2

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#52

Toluene

Concen: 137.967 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000056.D

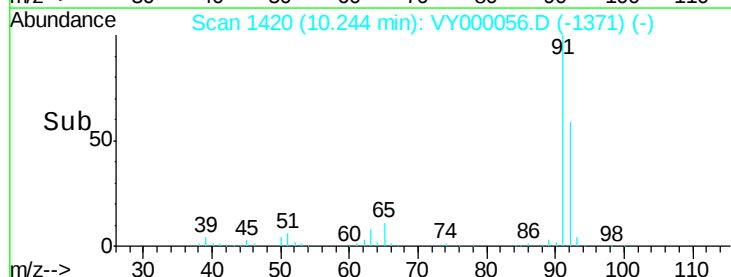
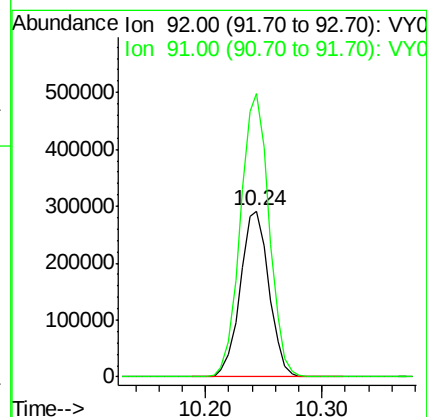
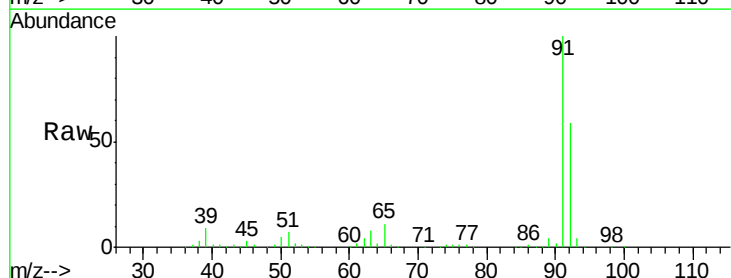
Acq: 17 Sep 2019 12:53

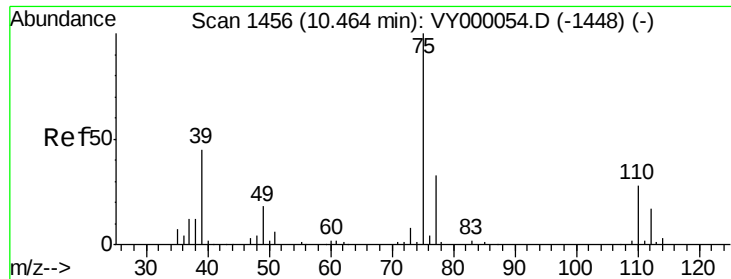
Tgt Ion: 92 Resp: 499790

Ion Ratio Lower Upper

92 100

91 170.8 135.8 203.6





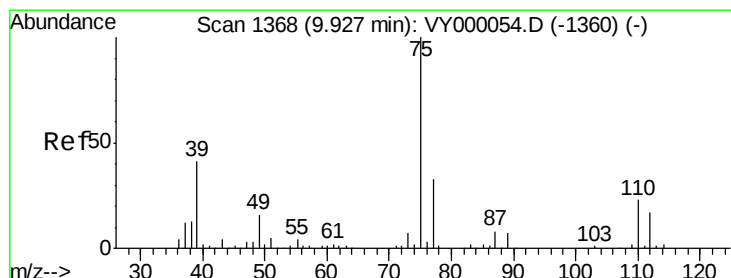
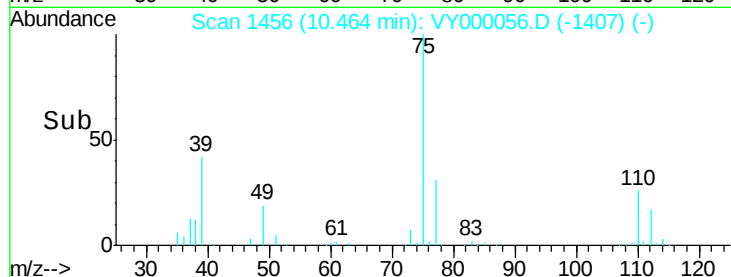
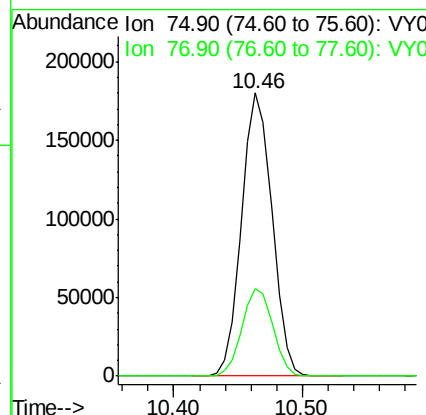
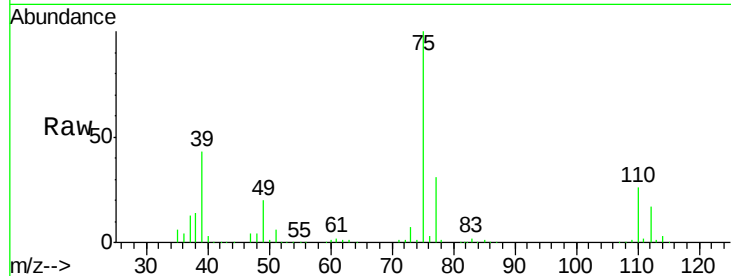
#53
t-1,3-Dichloropropene
Concen: 141.523 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100	294874		
77	30.8	26.2	39.2	

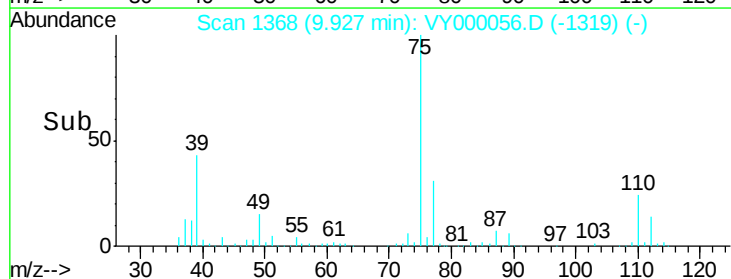
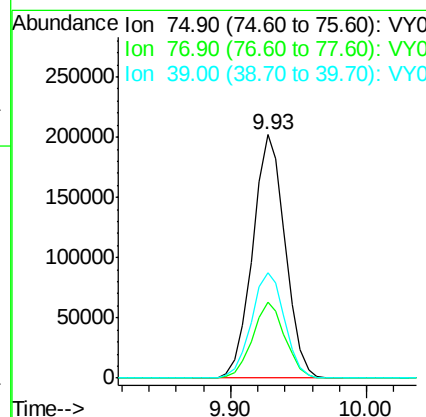
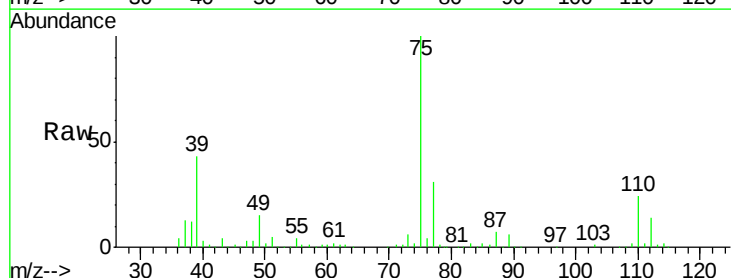
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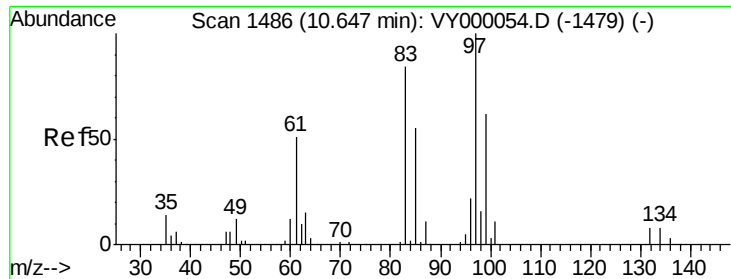
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#54
cis-1,3-Dichloropropene
Concen: 141.709 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	338535		
77	31.4	26.1	39.1	
39	43.3	33.1	49.7	





#55

1,1,2-Trichloroethane

Concen: 137.799 ug/l

RT: 10.65 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

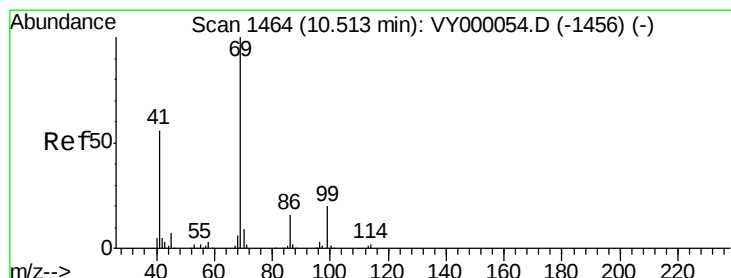
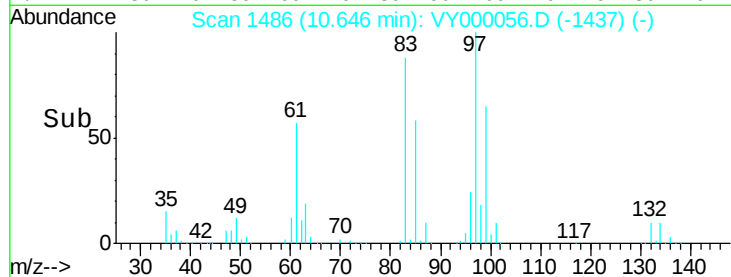
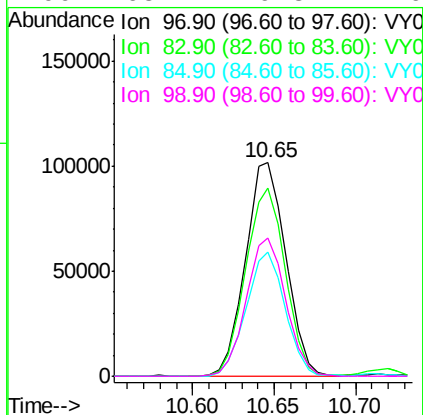
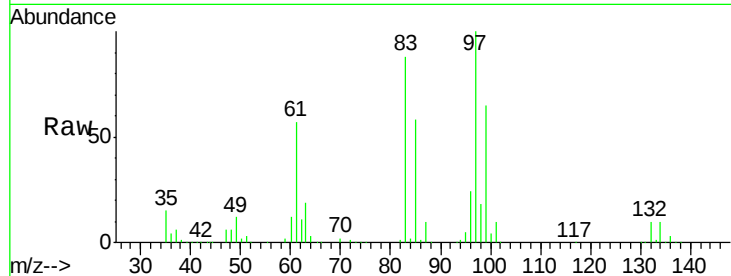
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	173816
Ion	Ratio	Lower	Upper
97	100		
83	88.3	67.3	100.9
85	58.1	43.6	65.4
99	65.1	49.8	74.6

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#56

Ethyl methacrylate

Concen: 143.811 ug/l

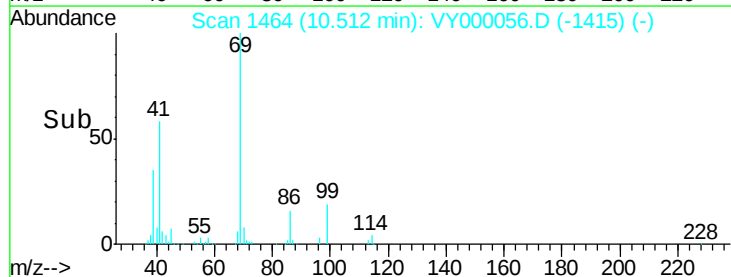
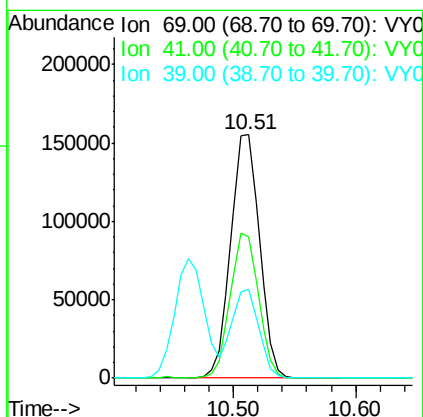
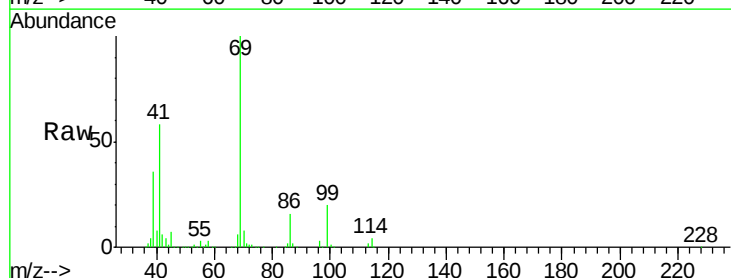
RT: 10.51 min Scan# 1464

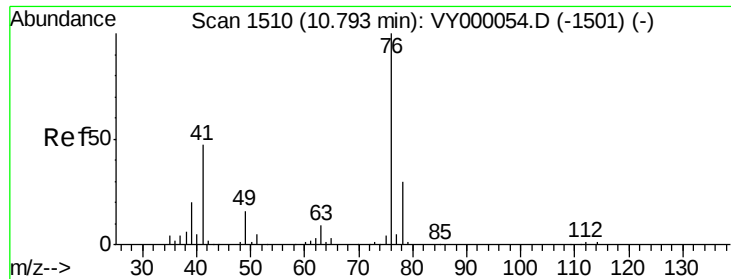
Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Tgt Ion:	69	Resp:	253441
Ion	Ratio	Lower	Upper
69	100		
41	58.1	45.6	68.4
39	34.5	27.3	40.9





#57

1,3-Dichloropropane

Concen: 138.017 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 295391

Ion Ratio Lower Upper

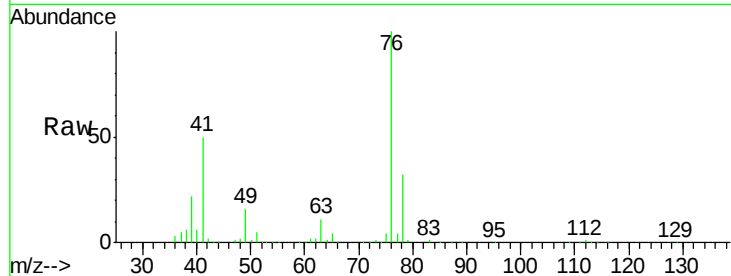
76 100

78 32.4 26.6 40.0

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

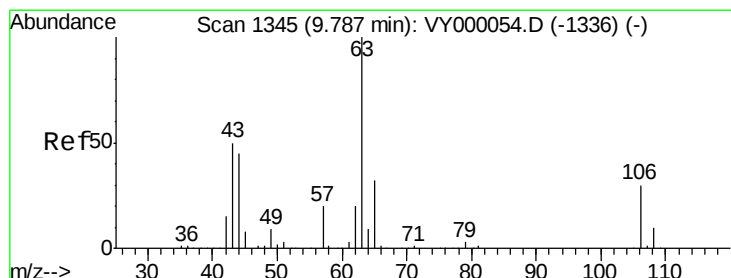
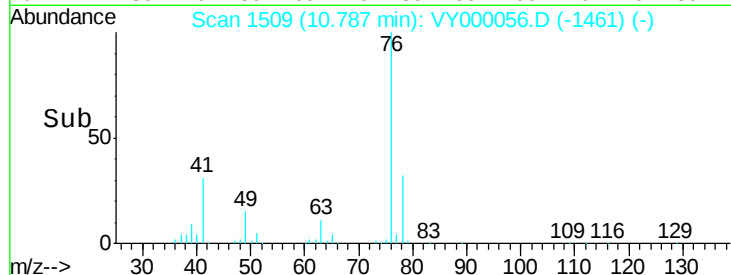
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 733.828 ug/l

RT: 9.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VY000056.D

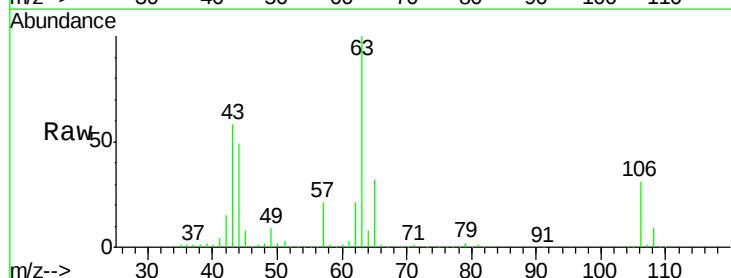
Acq: 17 Sep 2019 12:53

Tgt Ion: 63 Resp: 709579

Ion Ratio Lower Upper

63 100

106 29.1 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.79

400000

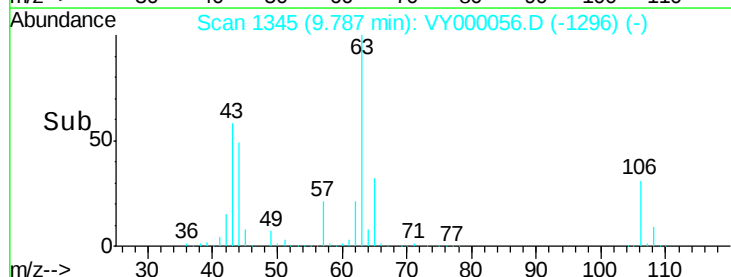
300000

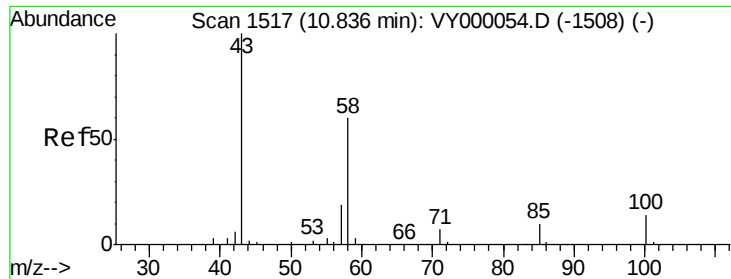
200000

100000

0

Time-->





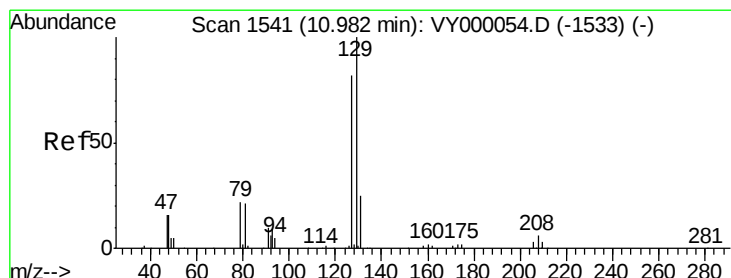
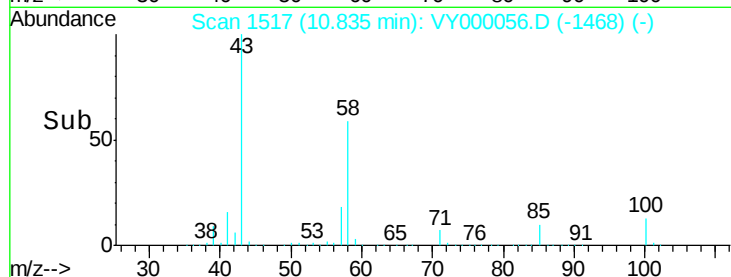
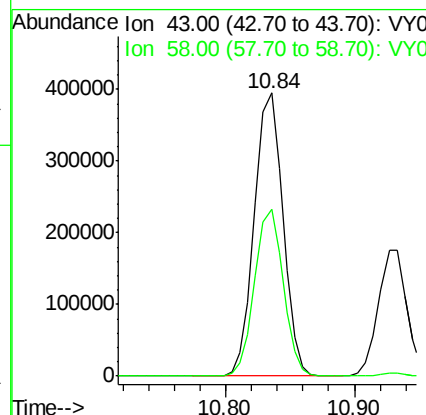
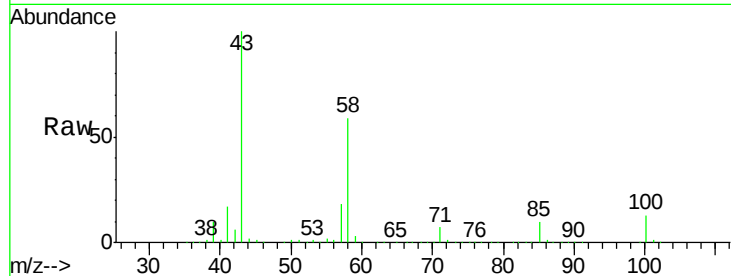
#59
2-Hexanone
Concen: 687.229 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	43	58	Resp	607420
Ion Ratio	100	58.6	Lower	Upper
			29.9	89.7

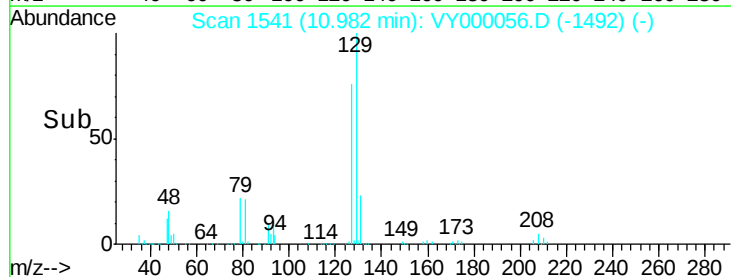
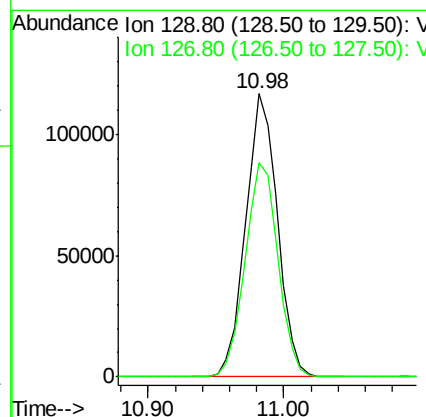
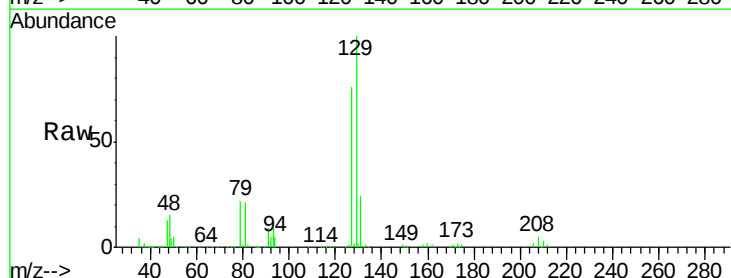
Manual Integrations
APPROVED

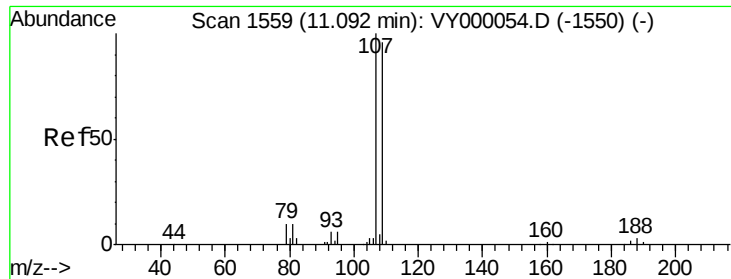
MMDadoda
9/19/2019 1:29:38 AM



#60
Dibromochloromethane
Concen: 143.819 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	129	127	Resp	190745
Ion Ratio	100	78.2	Lower	Upper
			40.2	120.6





#61

1,2-Dibromoethane

Concen: 137.375 ug/l

RT: 11.09 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC150

Tot Ion: 107 Resp: 161812

Ion Ratio Lower Upper

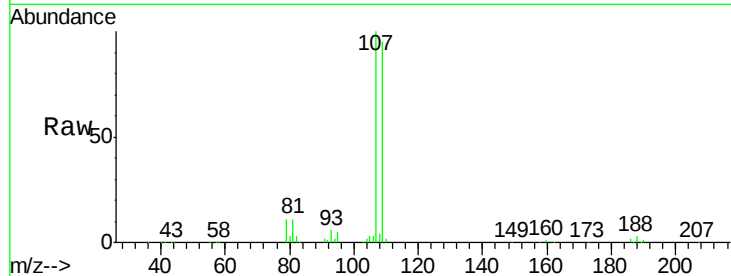
107 100

109 94.5 75.0 112.6

Manual Integrations
APPROVED

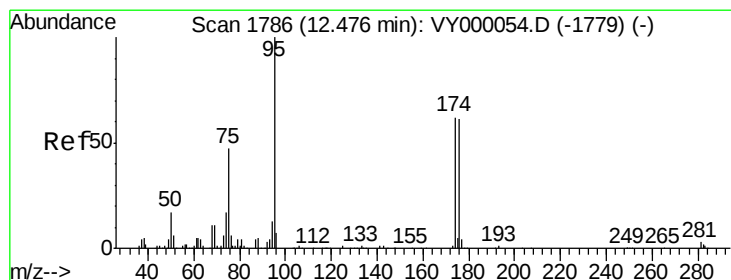
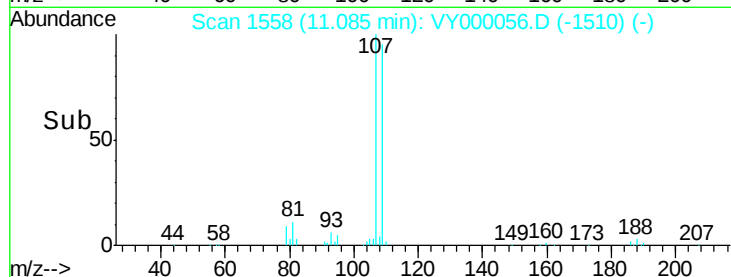
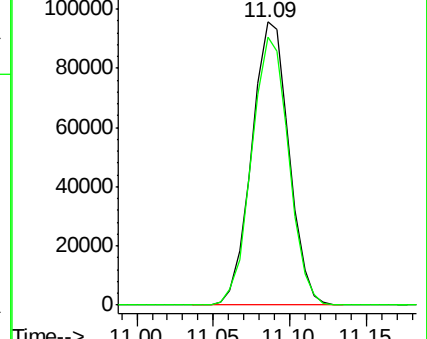
MMDadoda

9/19/2019 1:29:38 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 124.415 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

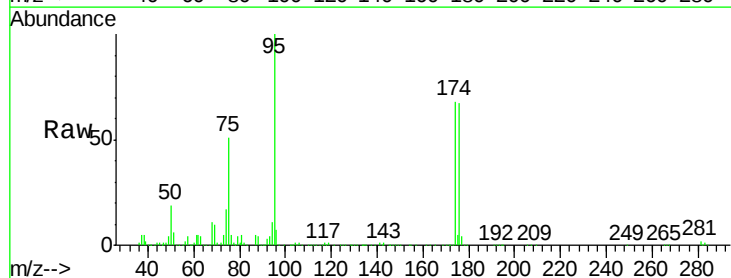
Tgt Ion: 95 Resp: 263693

Ion Ratio Lower Upper

95 100

174 71.1 0.0 137.2

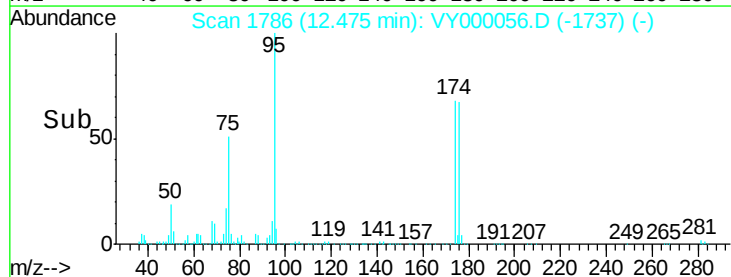
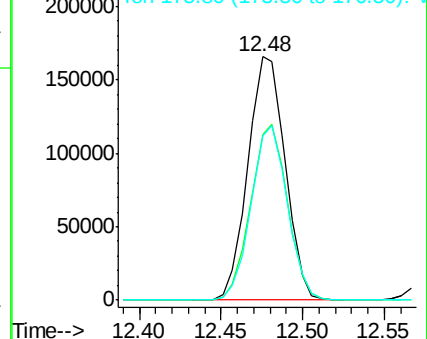
176 69.8 0.0 135.0

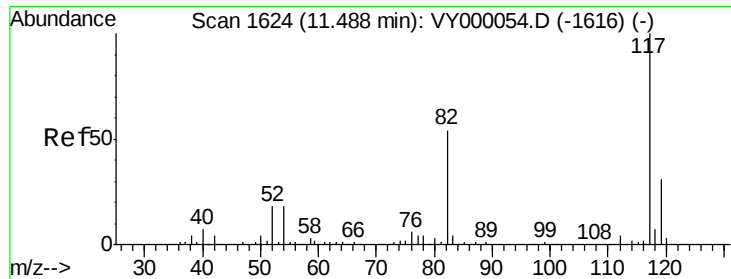


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





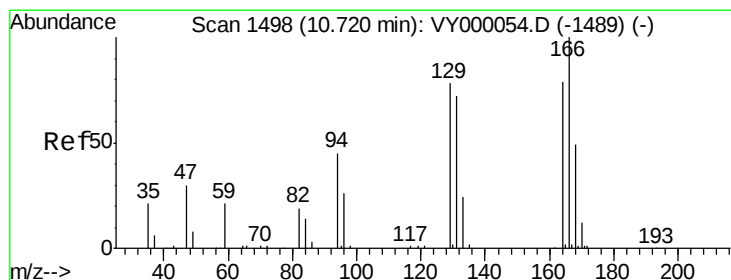
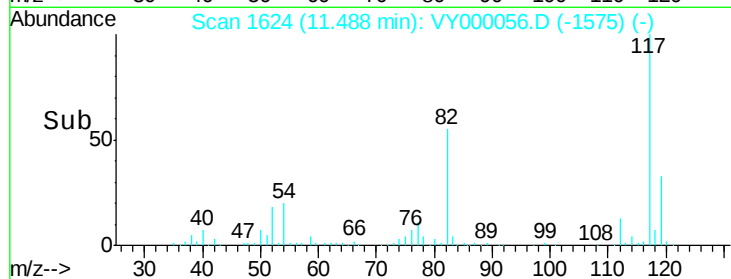
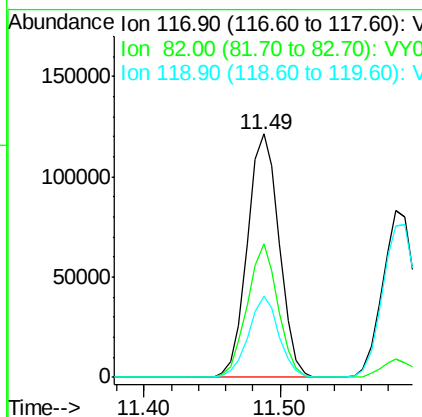
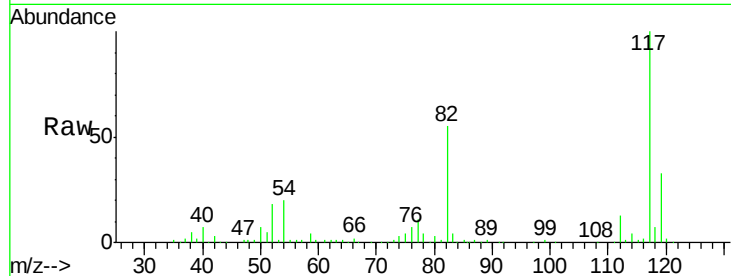
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.5	65.3
119	33.4	24.6	36.8

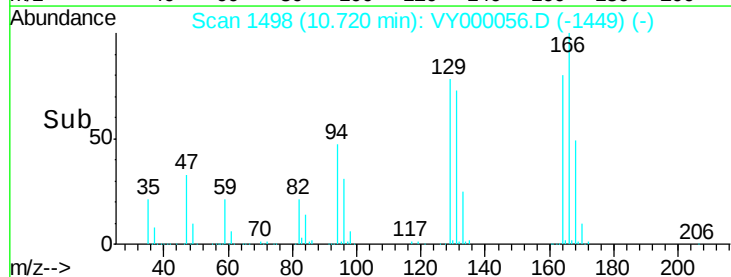
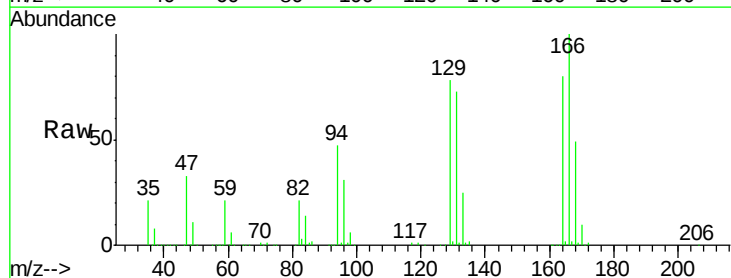
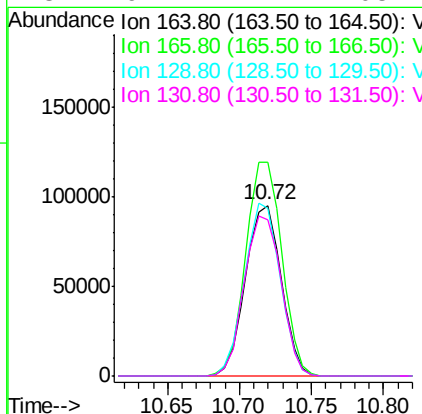
Manual Integrations
APPROVED

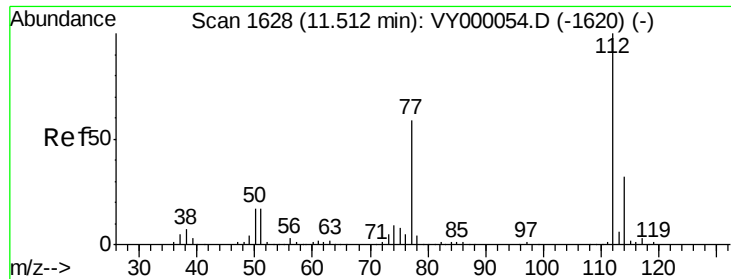
MMDadoda
9/19/2019 1:29:38 AM



#64
Tetrachloroethene
Concen: 126.834 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	100.9	151.3
129	98.4	78.4	117.6
131	91.7	72.2	108.2





#65

Chlorobenzene

Concen: 136.908 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 547941

Ion Ratio Lower Upper

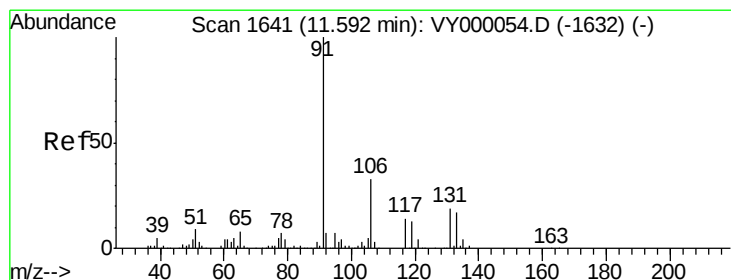
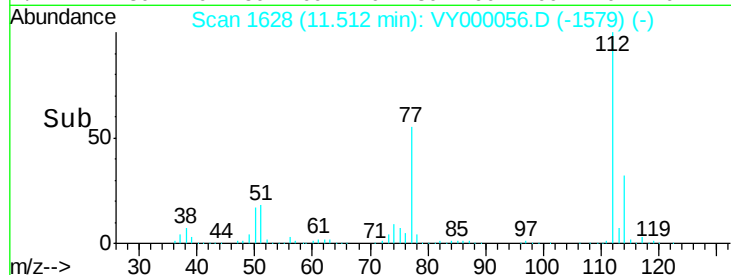
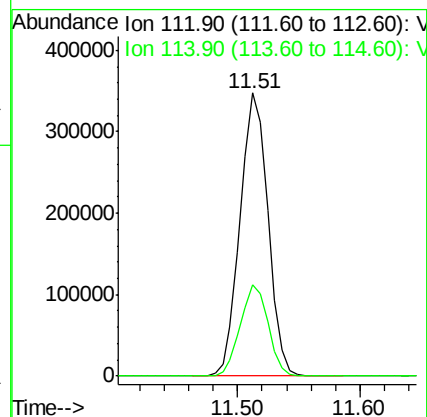
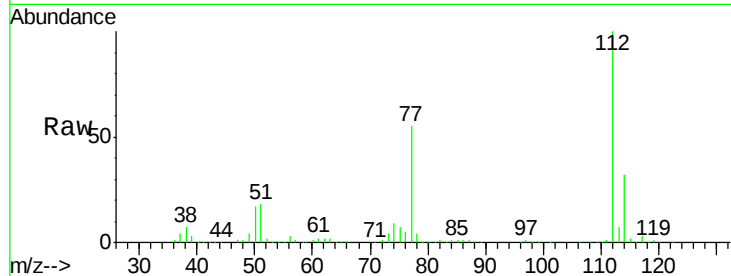
112 100

114 32.2 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

9/19/2019 1:29:38 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 141.631 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

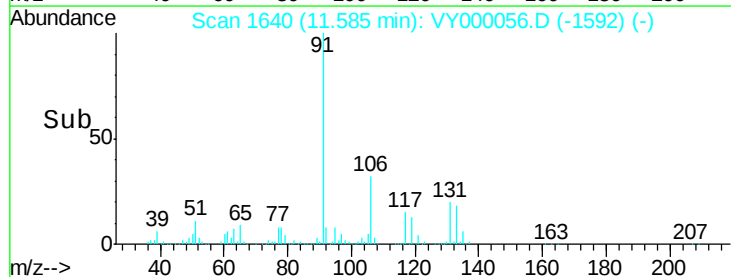
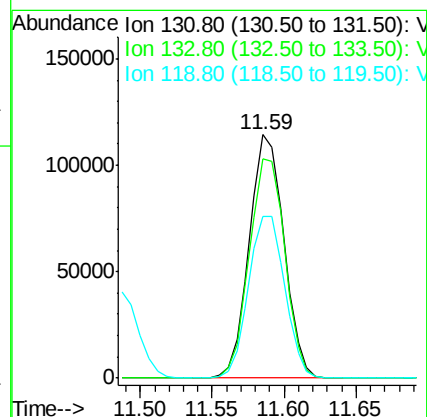
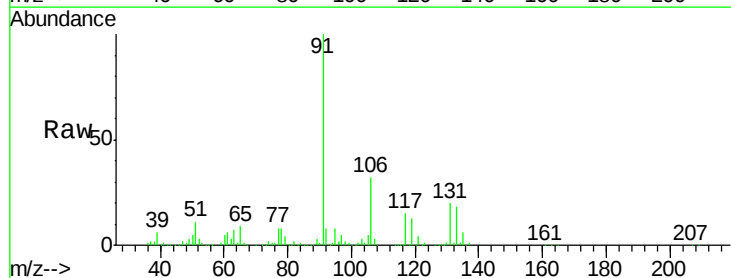
Tgt Ion:131 Resp: 190513

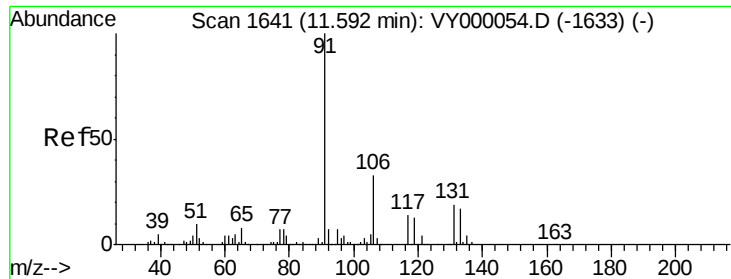
Ion Ratio Lower Upper

131 100

133 92.5 46.6 139.8

119 69.4 36.2 108.6





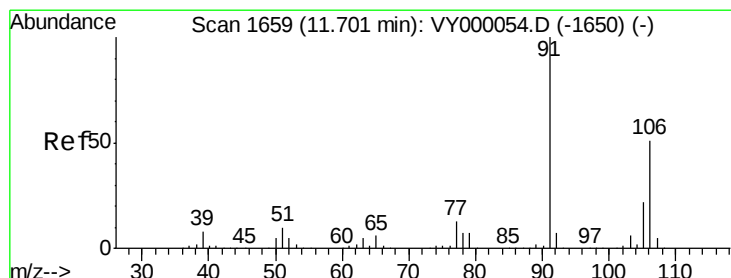
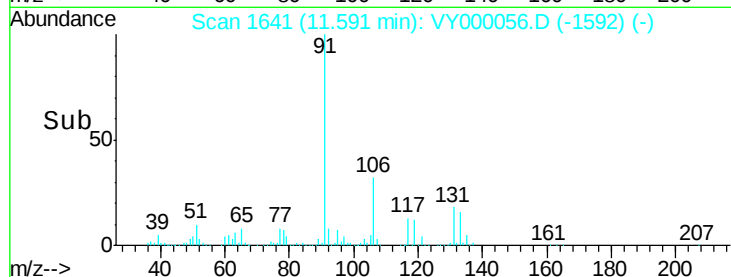
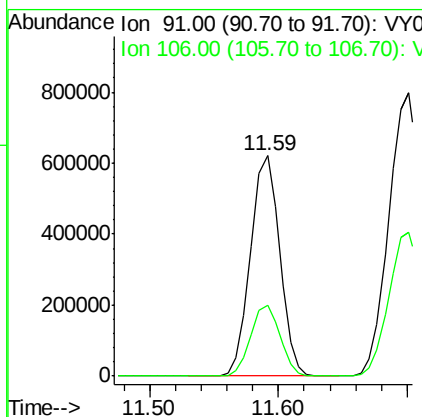
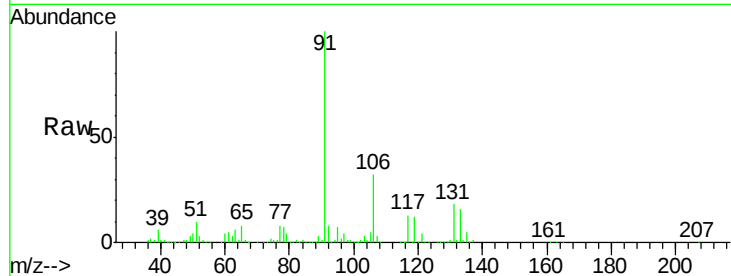
#67
Ethyl Benzene
Concen: 134.111 ug/l
RT: 11.59 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 971583
Ion Ratio Lower Upper
91 100
106 32.0 26.6 40.0

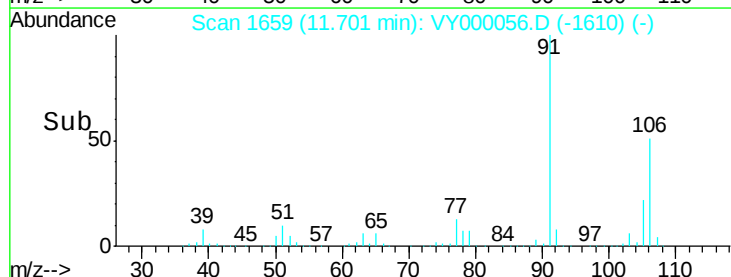
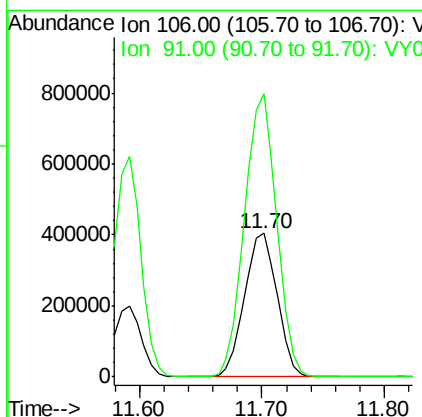
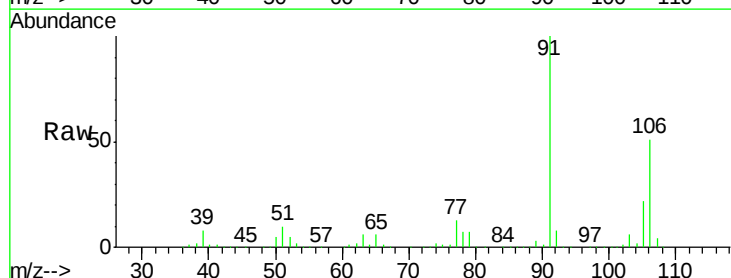
Manual Integrations
APPROVED

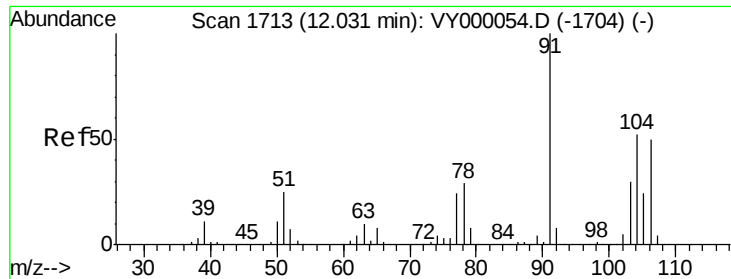
MMDadoda
9/19/2019 1:29:38 AM



#68
m/p-Xylenes
Concen: 271.427 ug/l
RT: 11.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion: 106 Resp: 753404
Ion Ratio Lower Upper
106 100
91 193.7 154.5 231.7





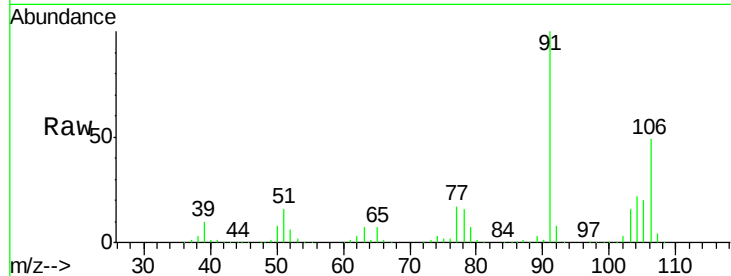
#69
o-Xylene
Concen: 138.156 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampled :
VSTDIC150

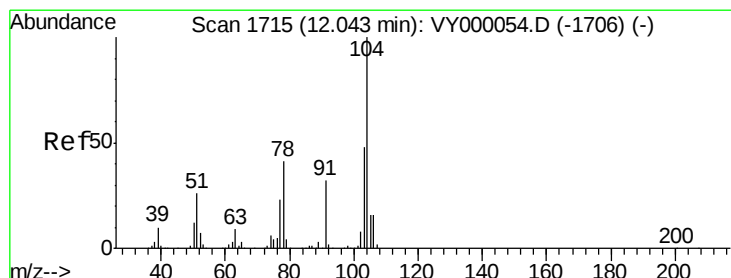
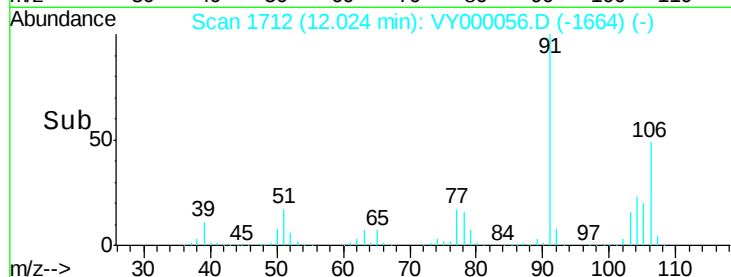
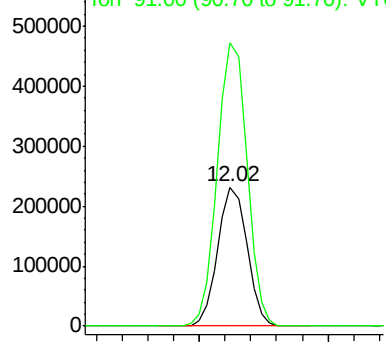
Tot Ion:106 Resp: 364140
Ion Ratio Lower Upper
106 100
91 206.8 103.5 310.3

Manual Integrations
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MMDadoda
9/19/2019 1:29:38 AM

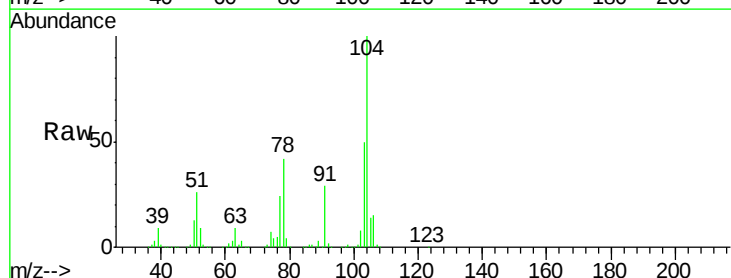


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

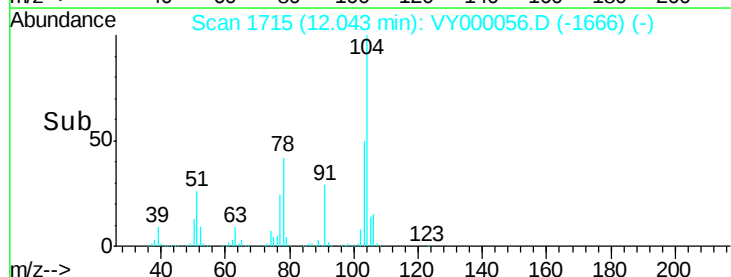
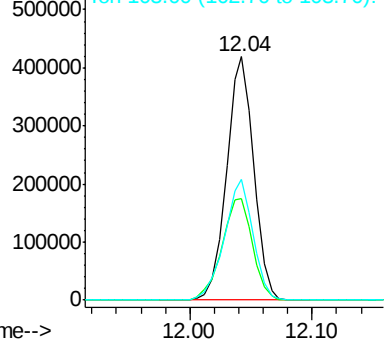


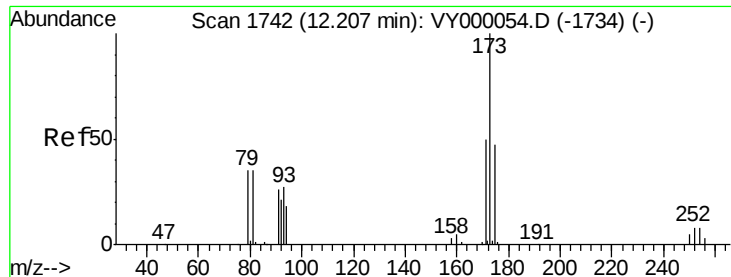
#70
Styrene
Concen: 139.327 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion:104 Resp: 645828
Ion Ratio Lower Upper
104 100
78 47.2 37.7 56.5
103 52.6 42.2 63.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





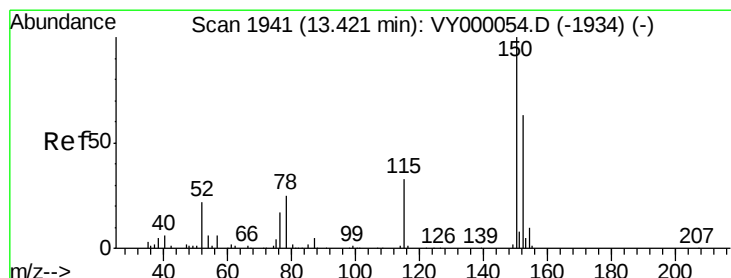
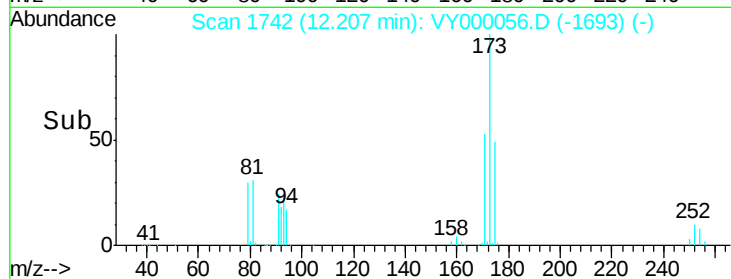
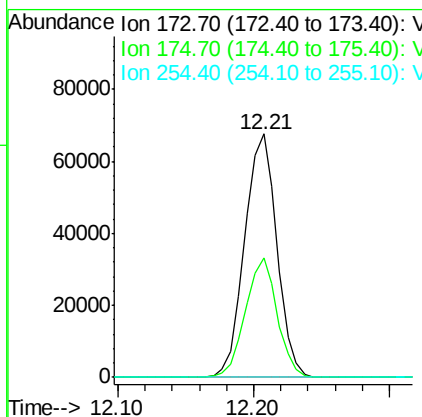
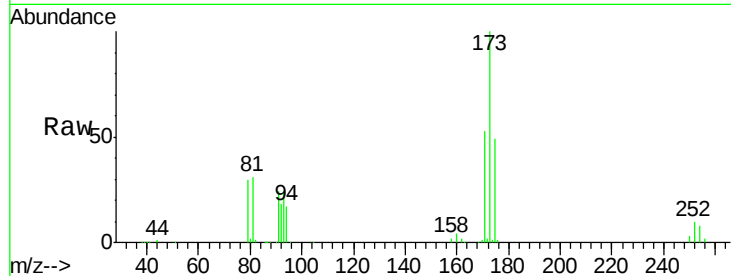
#71
Bromoform
Concen: 148.000 ug/l
RT: 12.21 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.6	71.0
254	0.1	0.0	0.0

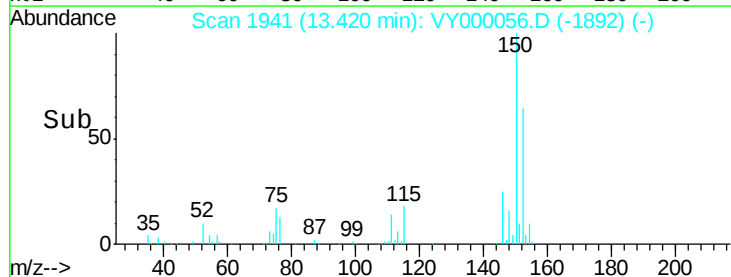
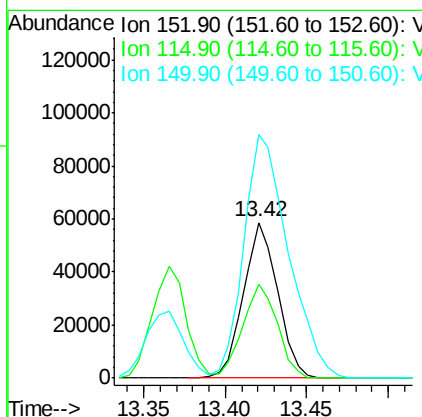
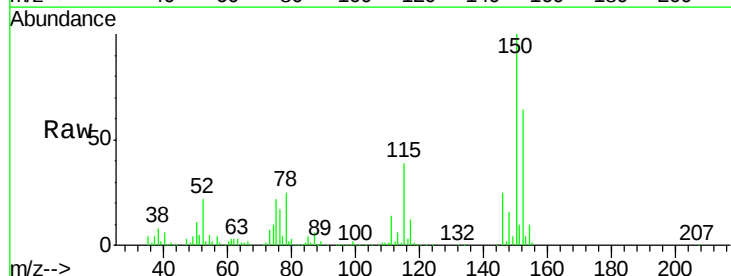
Manual Integrations
APPROVED

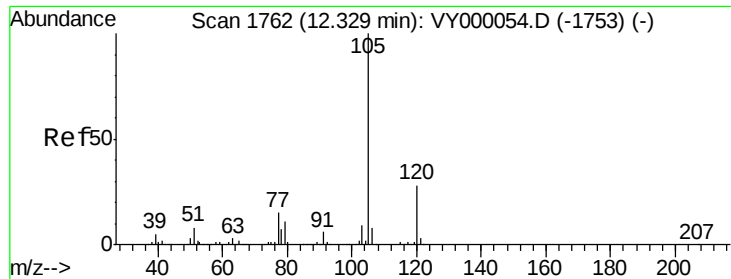
MMDadoda
9/19/2019 1:29:38 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.7	92.1
150	204.2	0.0	351.6





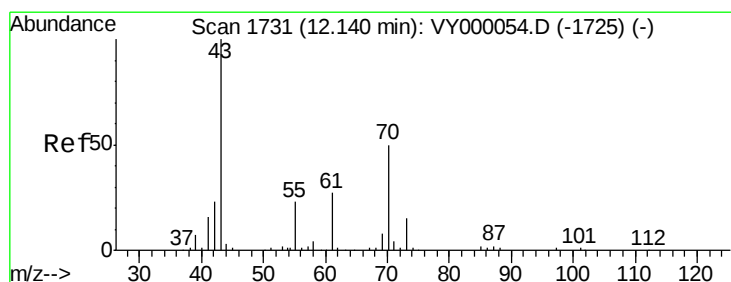
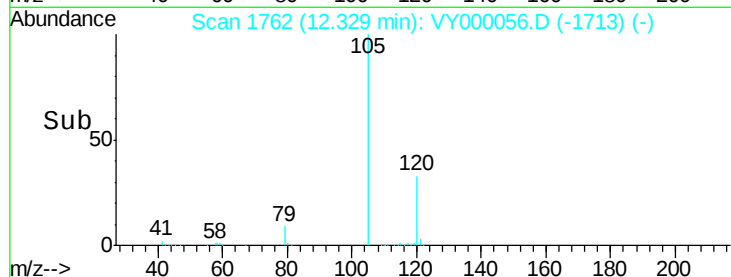
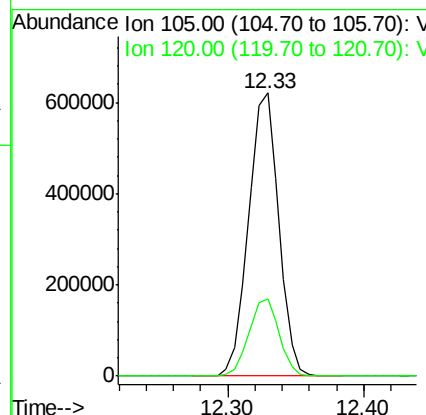
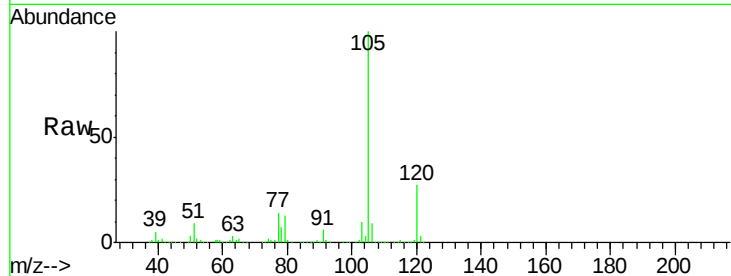
#73
Isopropylbenzene
Concen: 138.670 ug/l
RT: 12.33 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.9	41.7

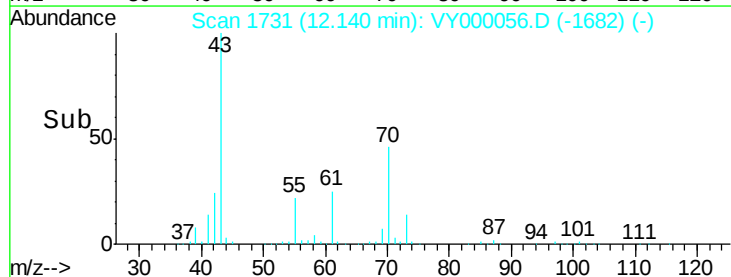
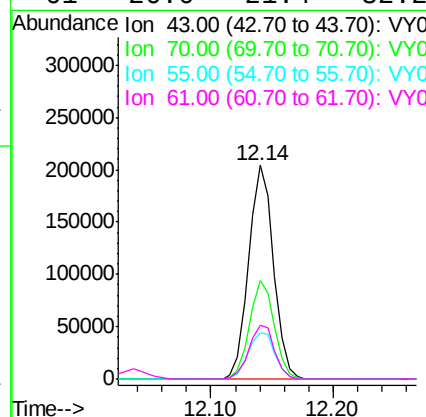
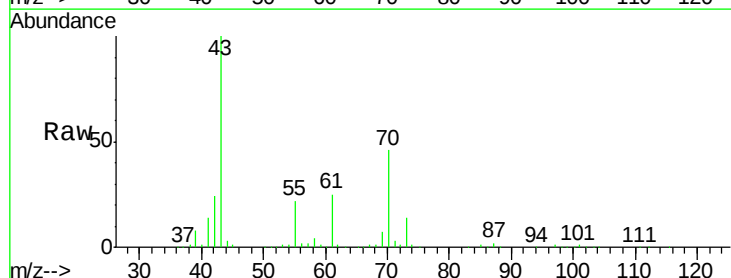
Manual Integrations
APPROVED

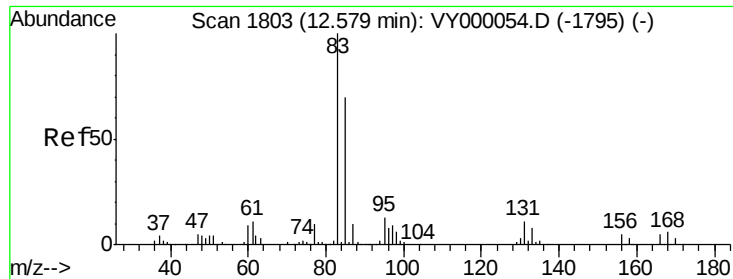
MMDadoda
9/19/2019 1:29:38 AM



#74
N-ethyl acetate
Concen: 147.479 ug/l
RT: 12.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.0	38.8	58.2
55	23.3	18.8	28.2
61	26.0	21.4	32.2





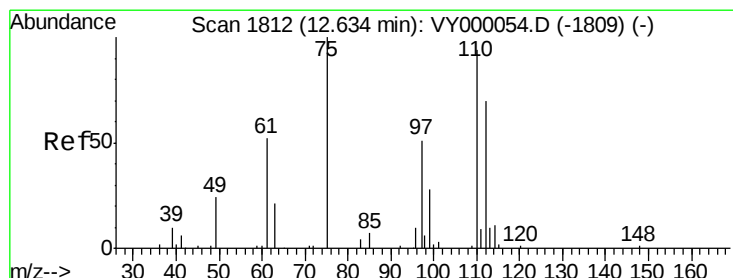
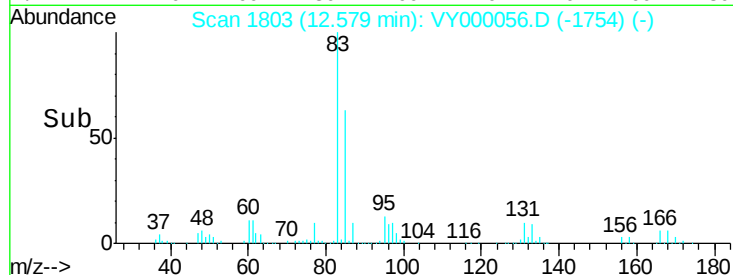
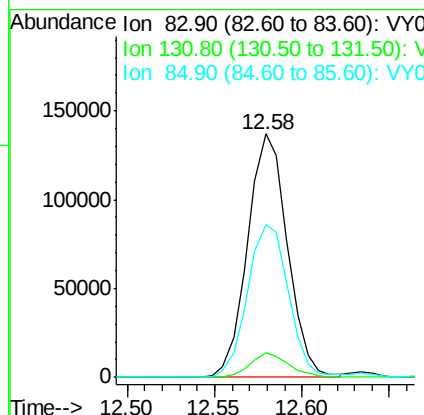
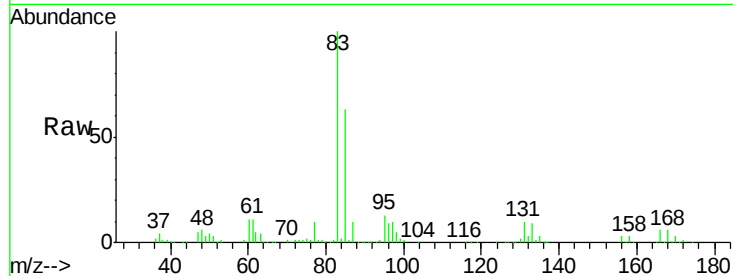
#75
 1,1,2,2-Tetrachloroethane
 Concen: 128.232 ug/l
 RT: 12.58 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	216783		
131	9.8	4.9	14.7	
85	64.7	32.5	97.4	

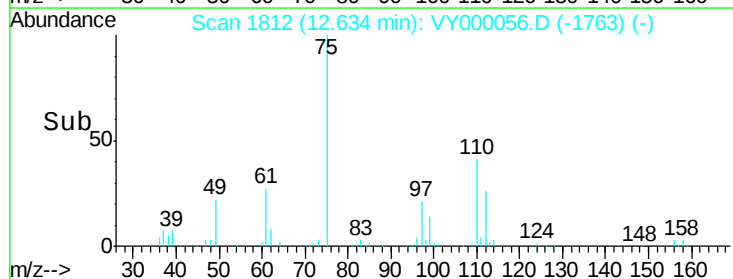
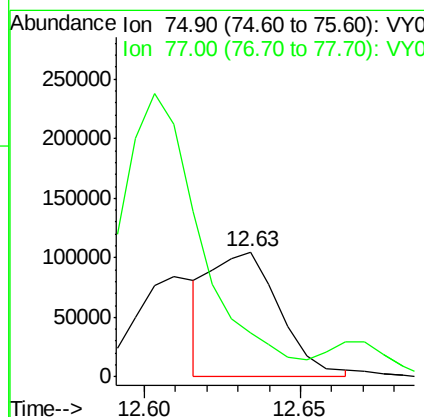
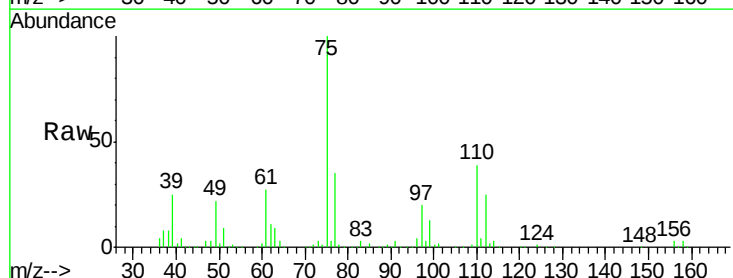
Manual Integrations
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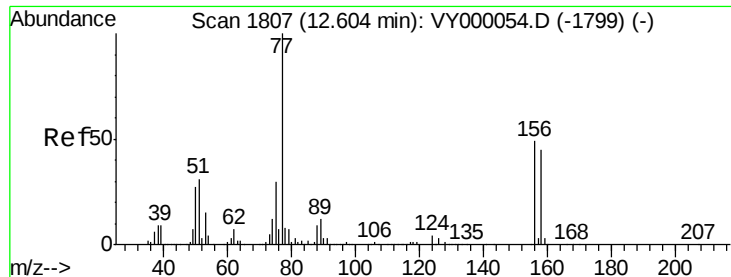
MMDadoda
 9/19/2019 1:29:38 AM



#76
 1,2,3-Trichloropropane
 Concen: 128.847 ug/l m
 RT: 12.63 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	162706		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 138.783 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 202719

Ion Ratio Lower Upper

156 100

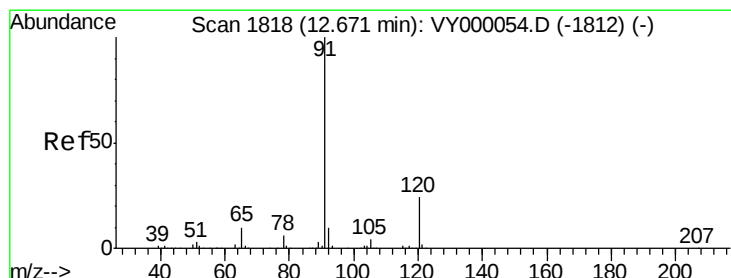
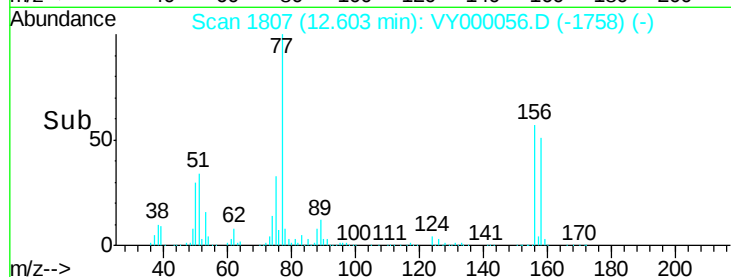
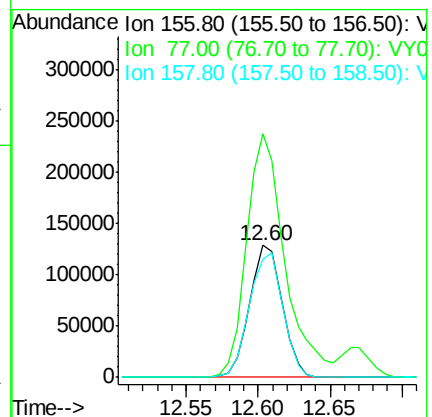
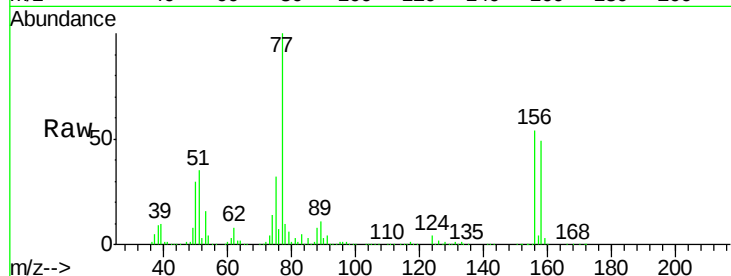
77 215.6 109.7 329.0

158 96.3 48.0 144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 136.714 ug/l

RT: 12.66 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY000056.D

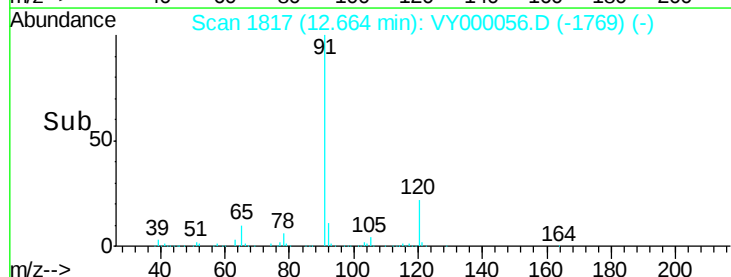
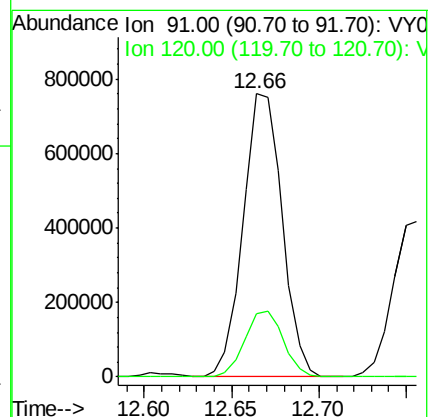
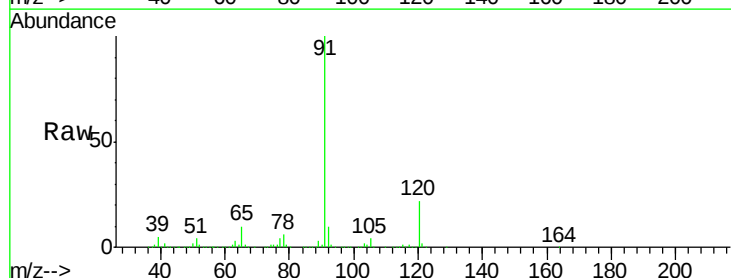
Acq: 17 Sep 2019 12:53

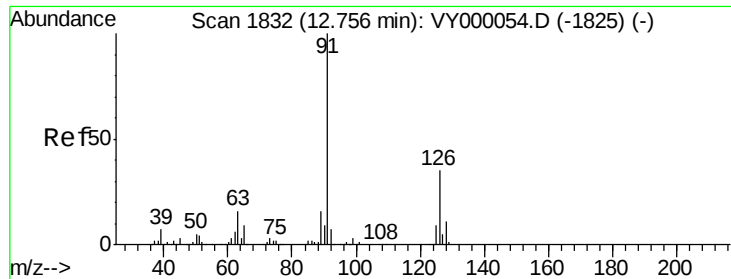
Tgt Ion: 91 Resp: 1179074

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.5





#79

2-Chlorotoluene

Concen: 135.548 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 645510

Ion Ratio Lower Upper

91 100

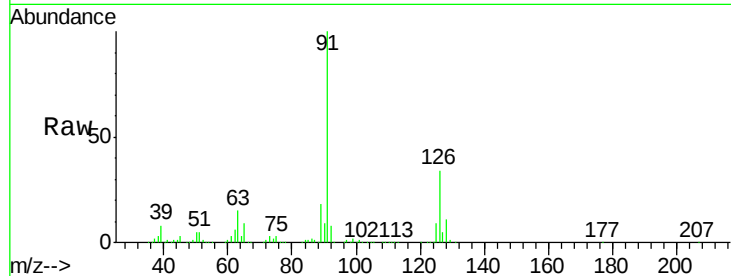
126 34.3 17.2 51.5

Manual Integrations

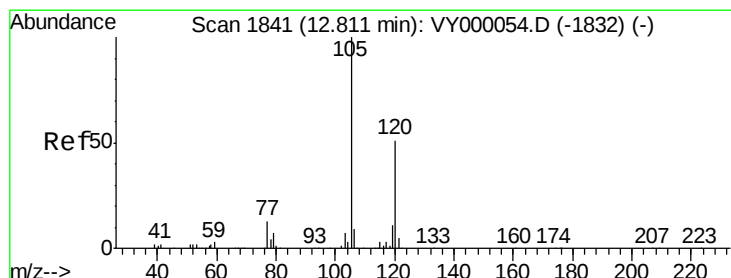
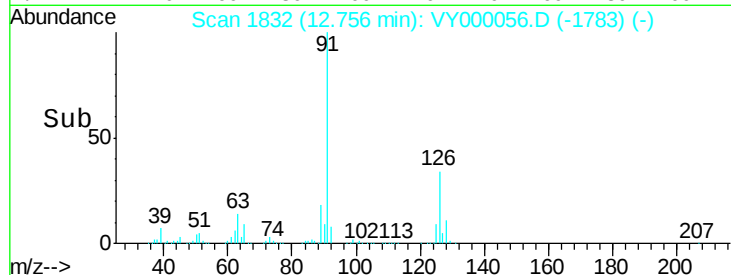
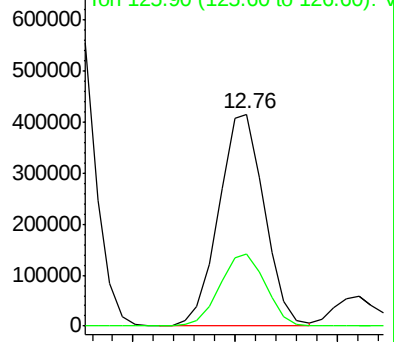
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Abundance Ion 91.00 (90.70 to 91.70): VY000054.D (-1825) (-)



#80

1,3,5-Trimethylbenzene

Concen: 137.709 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VY000056.D

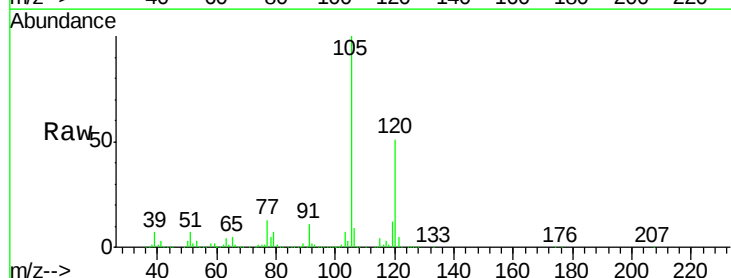
Acq: 17 Sep 2019 12:53

Tgt Ion: 105 Resp: 799784

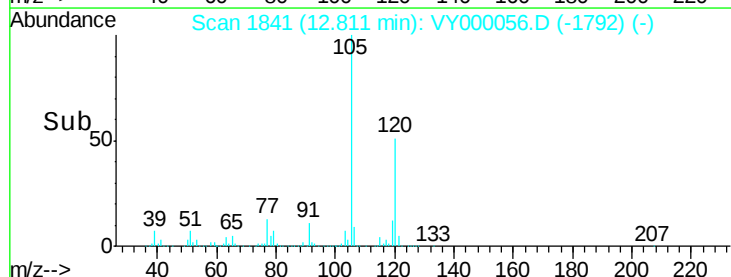
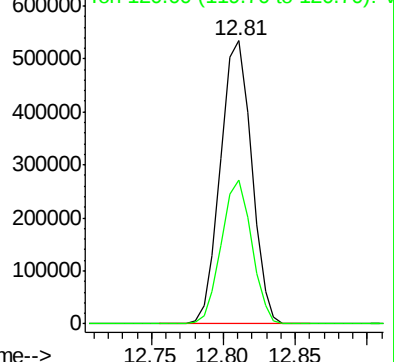
Ion Ratio Lower Upper

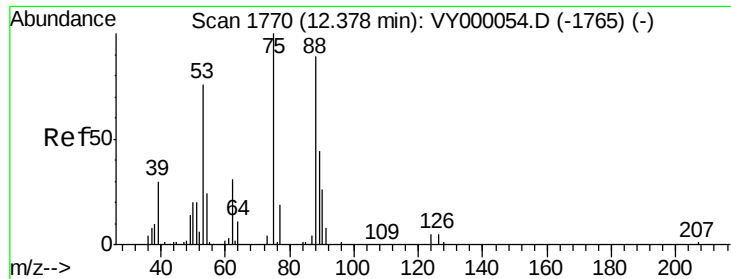
105 100

120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000054.D (-1832) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 140.874 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

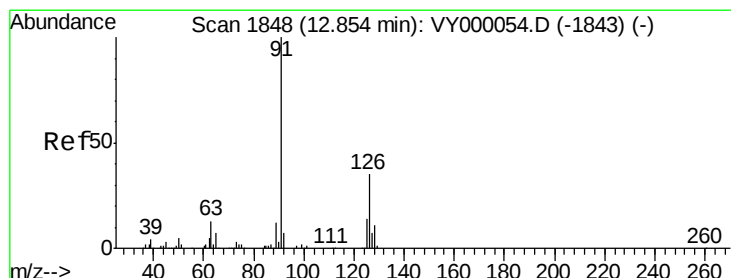
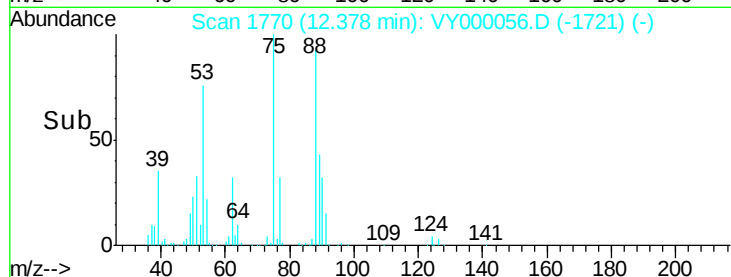
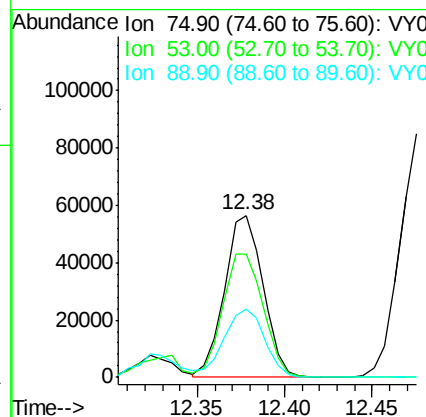
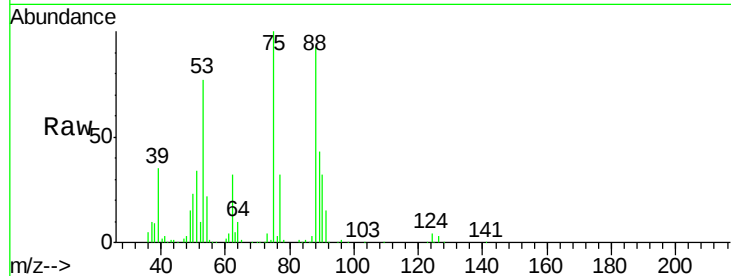
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	86307
Ion Ratio	Lower	Upper	
75	100		
53	80.9	60.9	91.3
89	44.7	35.3	52.9

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#82

4-Chlorotoluene

Concen: 139.322 ug/l

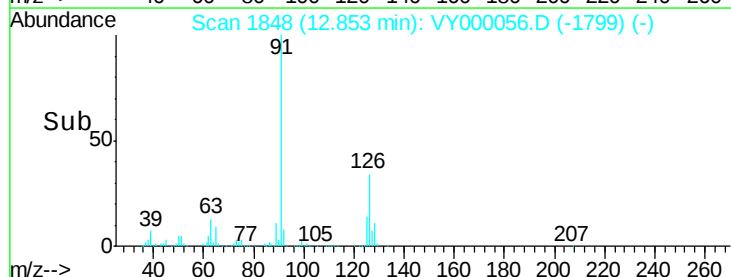
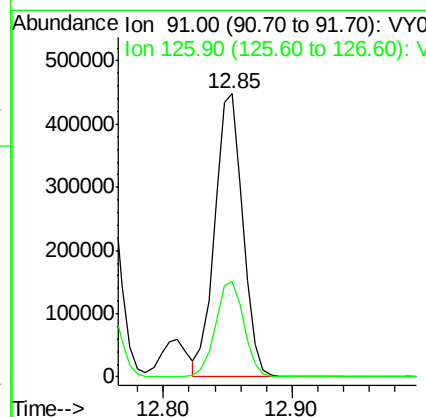
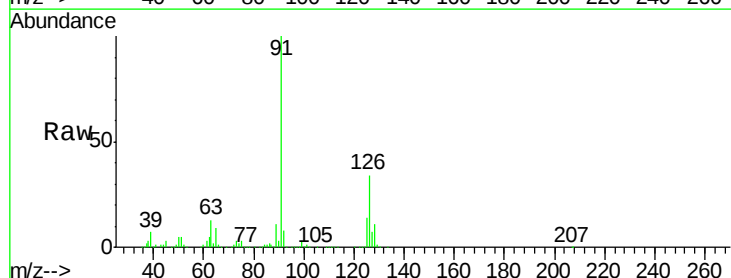
RT: 12.85 min Scan# 1848

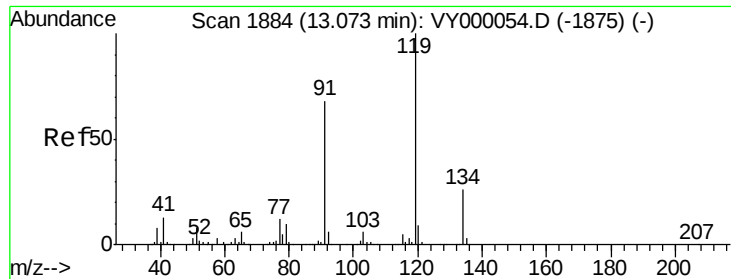
Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Tgt Ion:	91	Resp:	681238
Ion Ratio	Lower	Upper	
91	100		
126	34.2	16.7	50.1





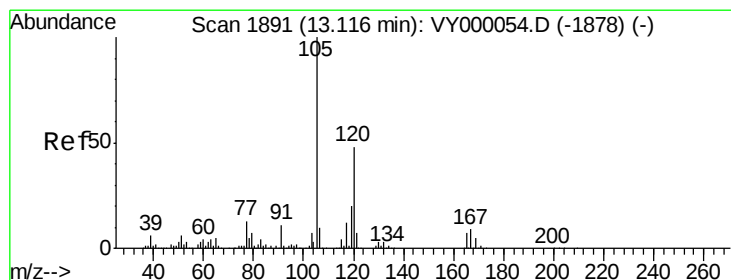
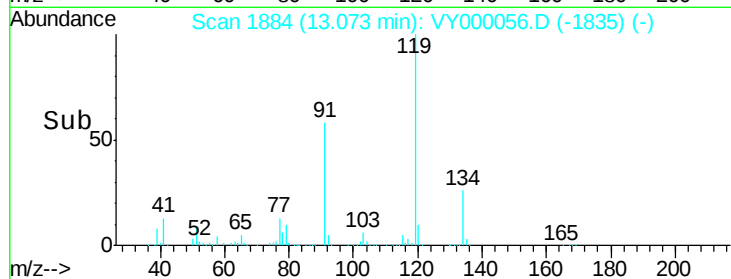
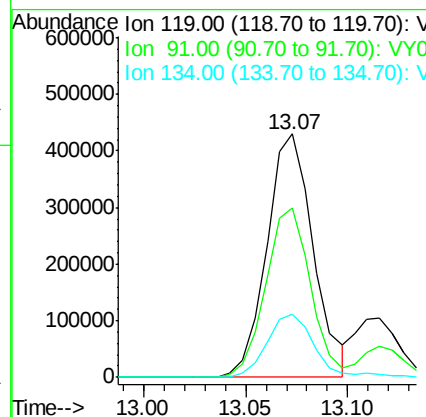
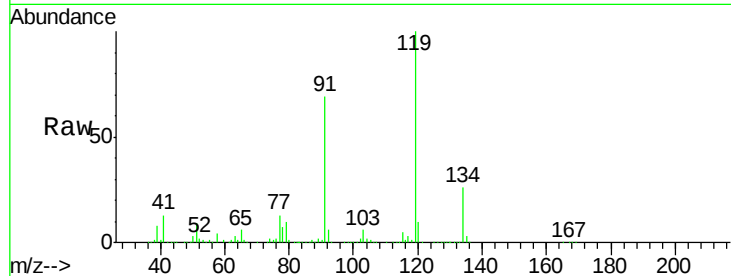
#83
tert-Butylbenzene
Concen: 136.555 ug/l
RT: 13.07 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
119	100	681145		
91	67.1	33.4	100.1	
134	26.9	12.7	38.0	

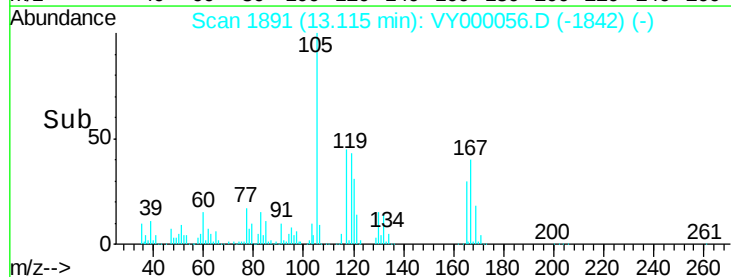
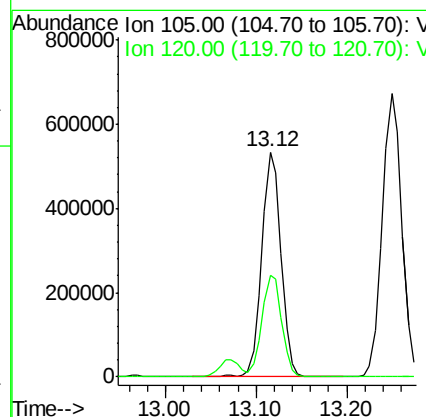
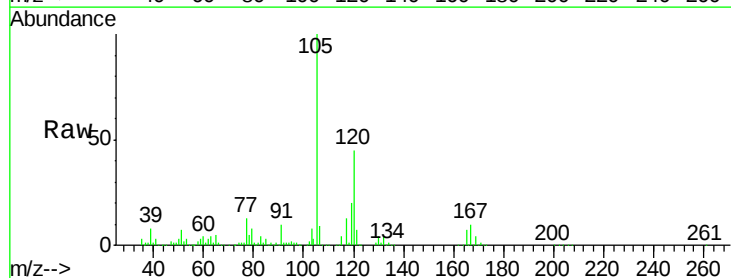
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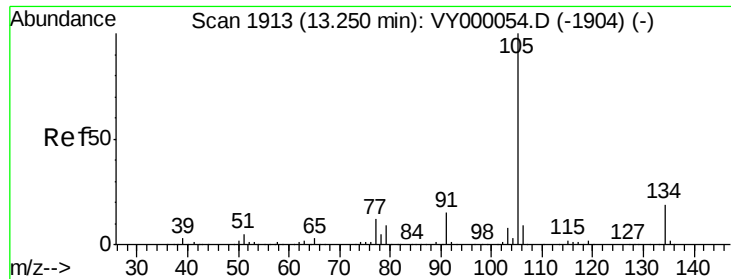
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 136.626 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	784709		
120	46.0	22.9	68.7	





#85

sec-Butylbenzene

Concen: 136.176 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1002476

Ion Ratio Lower Upper

105 100

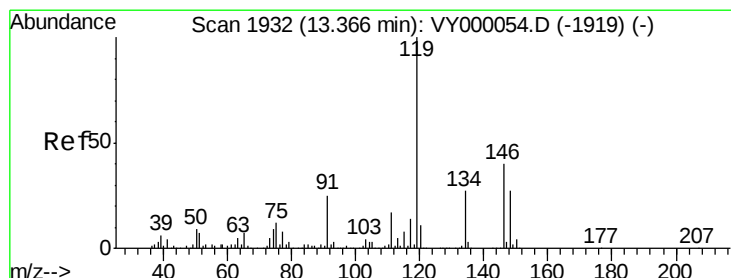
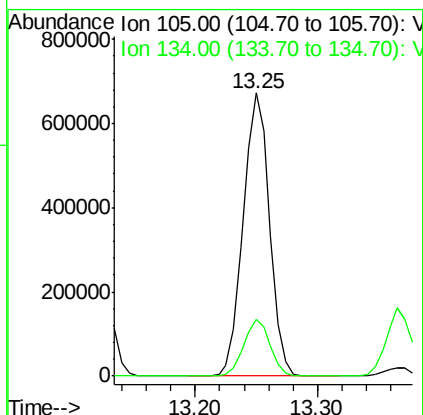
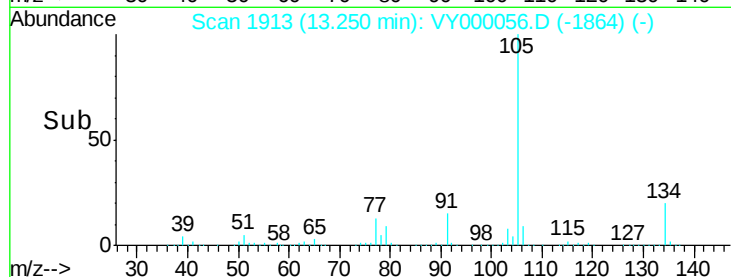
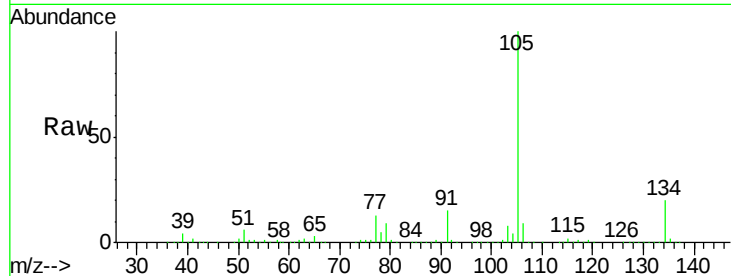
134 20.0 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 135.506 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

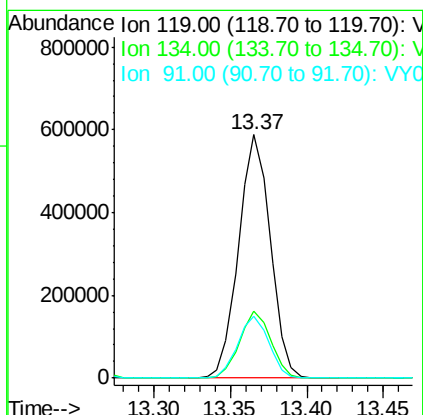
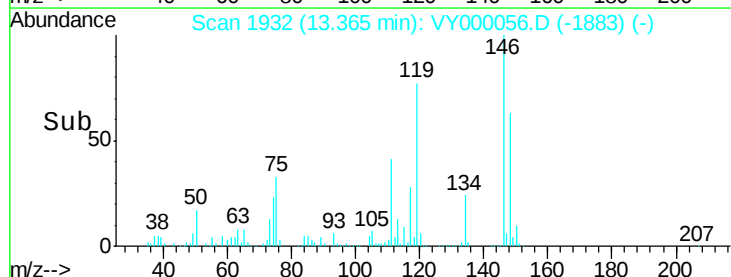
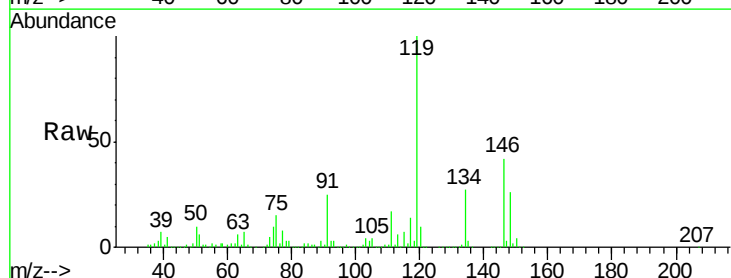
Tgt Ion:119 Resp: 844808

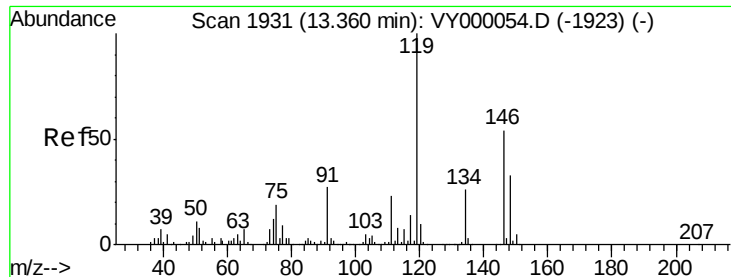
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.2

91 25.0 12.4 37.4





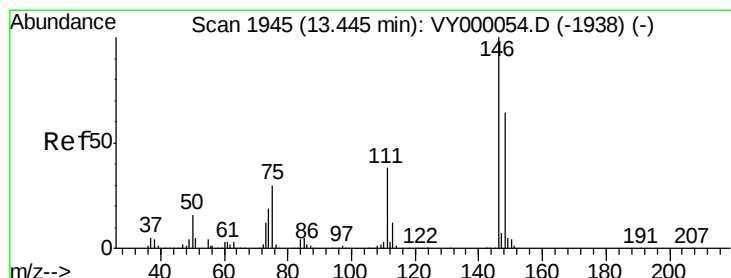
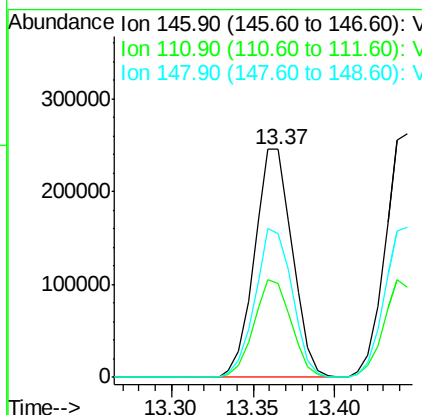
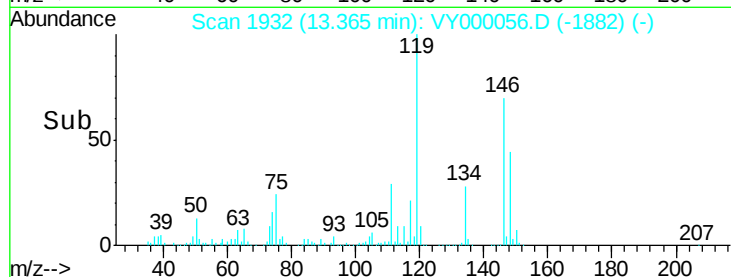
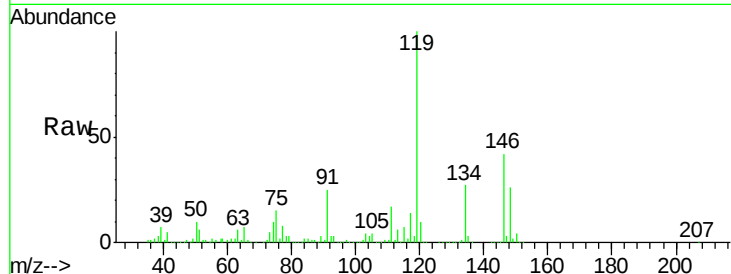
#87
 1,3-Dichlorobenzene
 Concen: 138.037 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	396527		
111	42.0	21.1	63.1	
148	63.9	31.8	95.3	

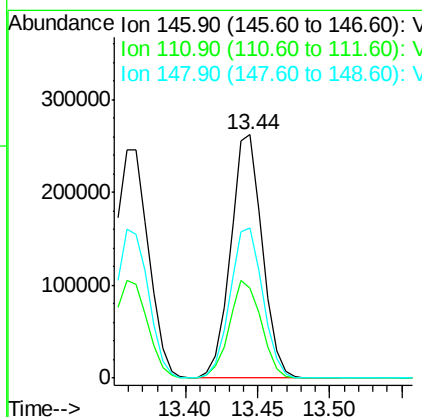
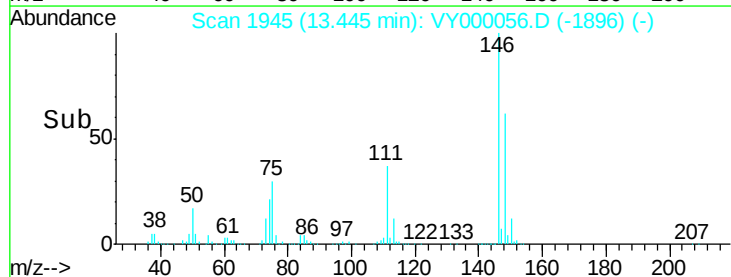
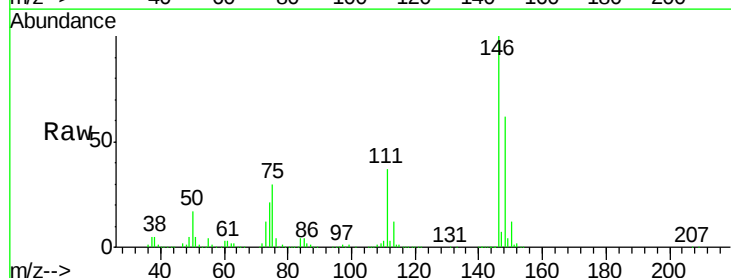
Manual Integrations
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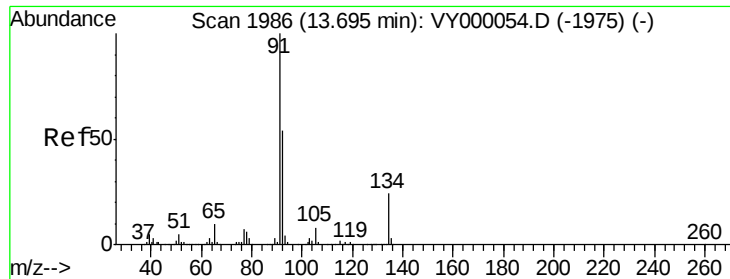
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#88
 1,4-Dichlorobenzene
 Concen: 136.133 ug/l
 RT: 13.44 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	401685		
111	40.5	20.8	62.4	
148	63.6	31.5	94.5	





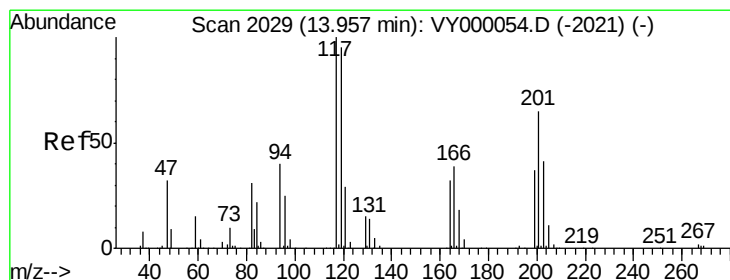
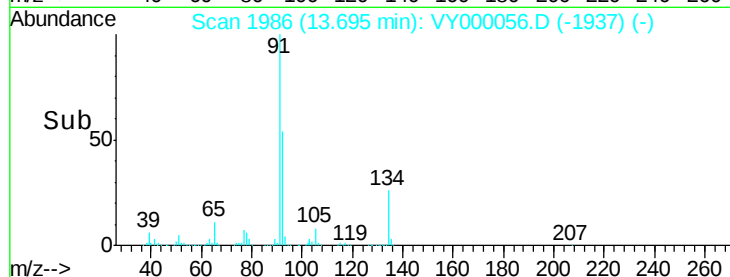
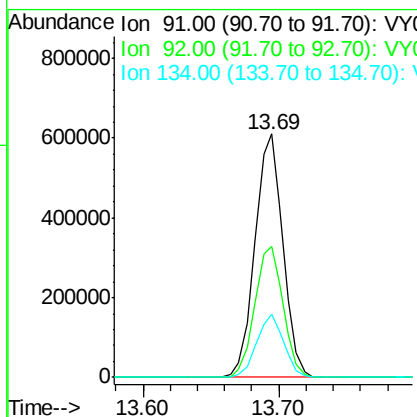
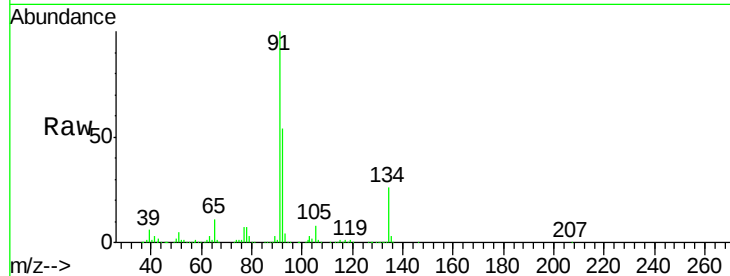
#89
n-Butylbenzene
Concen: 137.269 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.2	81.5
134	25.1	12.2	36.6

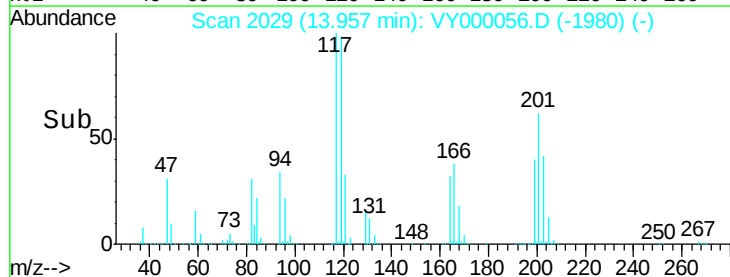
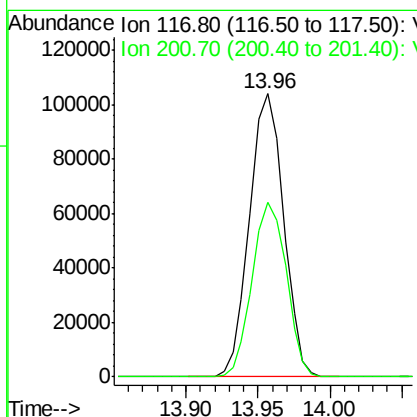
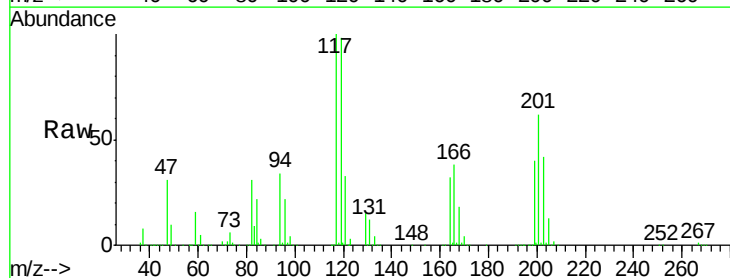
Manual Integrations
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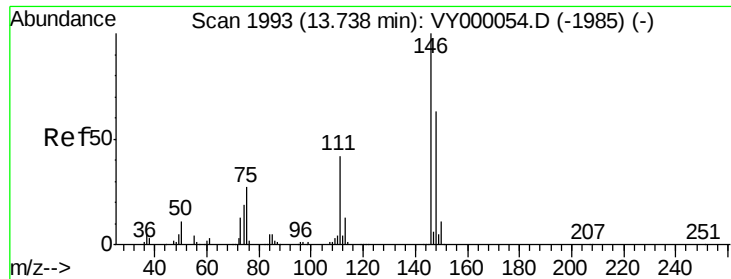
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#90
Hexachloroethane
Concen: 139.548 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.0	30.6	92.0





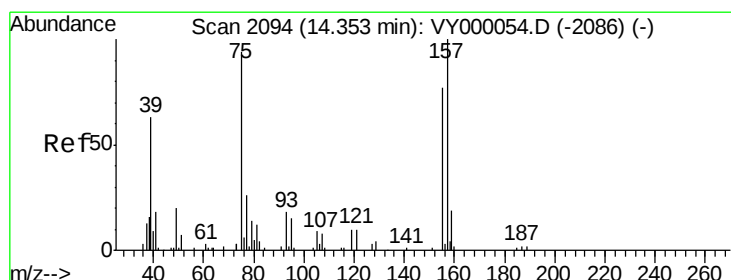
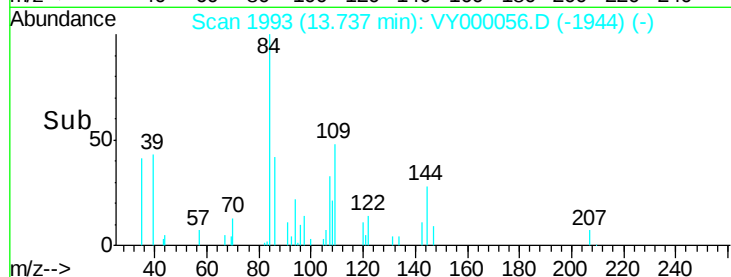
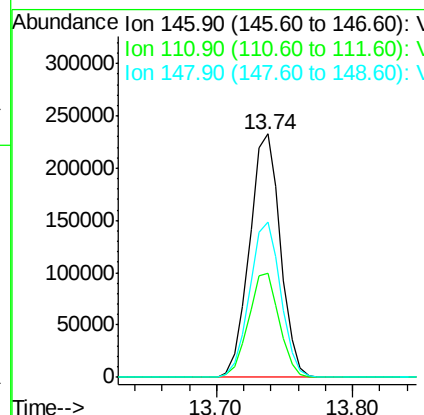
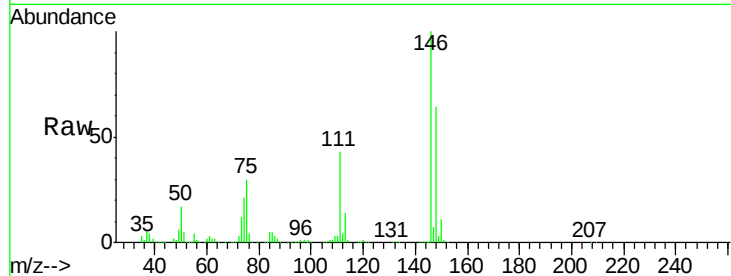
#91
 1,2-Dichlorobenzene
 Concen: 133.967 ug/l
 RT: 13.74 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	369731		
111	42.6	21.9	65.7	
148	64.3	32.4	97.2	

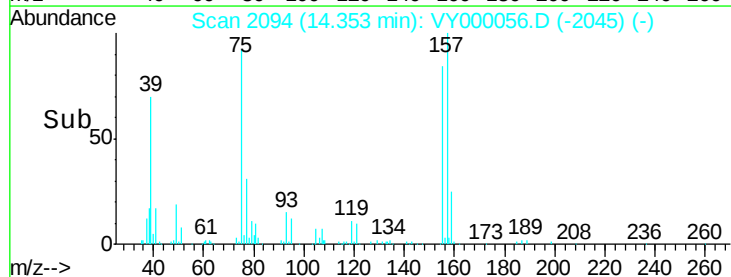
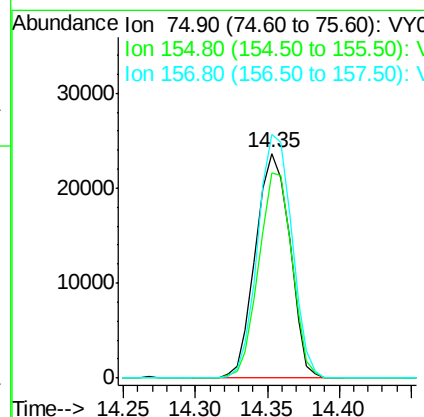
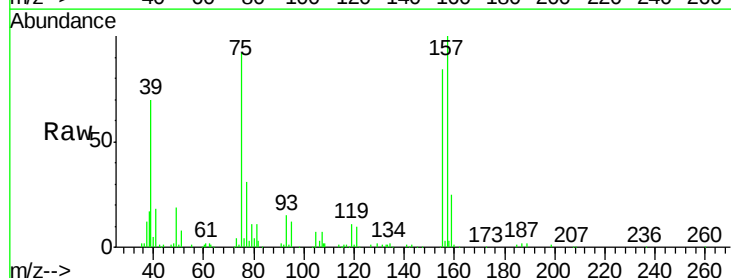
Manual Integrations
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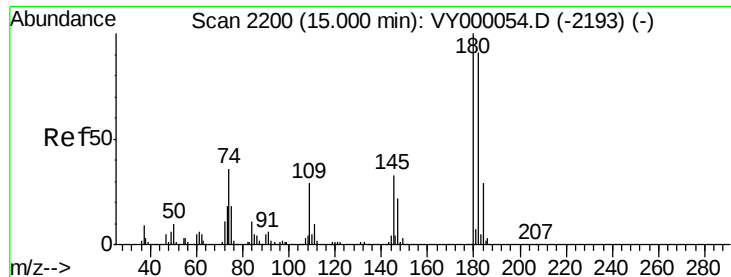
MMDadoda
 9/19/2019 1:29:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 121.217 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VY000056.D
 Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38907		
155	88.6	40.6	121.7	
157	107.8	52.9	158.8	





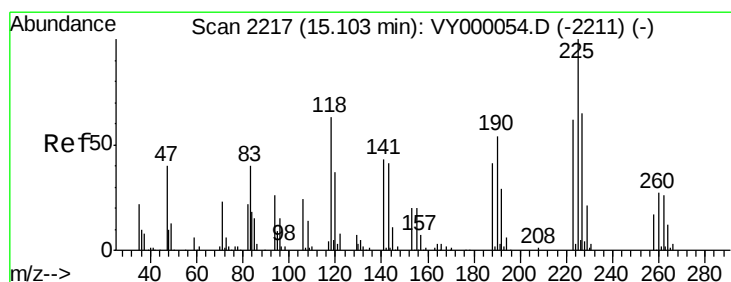
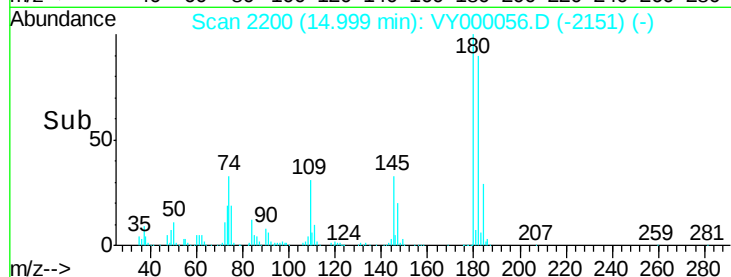
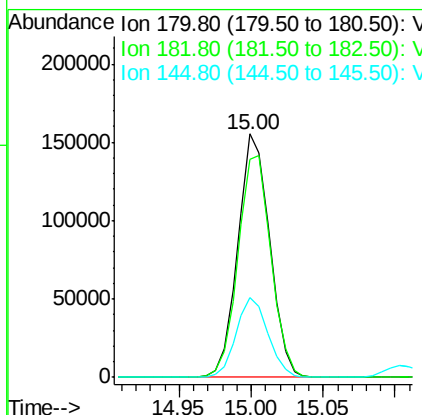
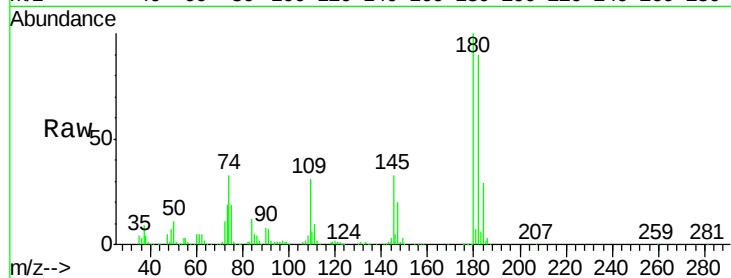
#93
1,2,4-Trichlorobenzene
Concen: 147.231 ug/l
RT: 15.00 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	238526		
182	94.2	48.5	145.6	
145	32.9	17.2	51.6	

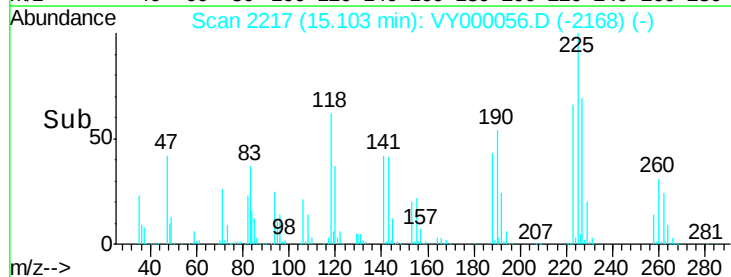
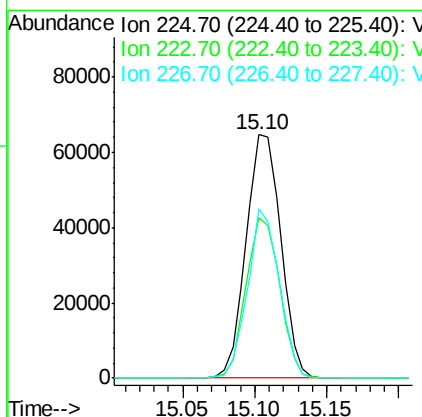
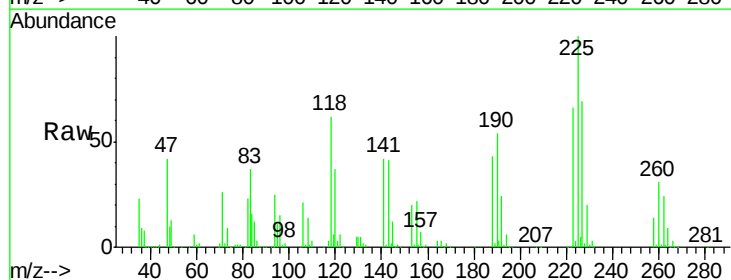
Manual Integrations
APPROVED

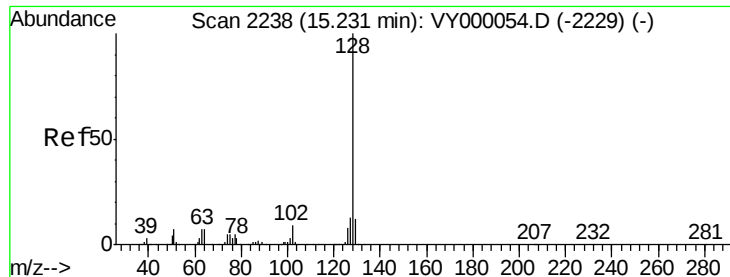
MMDadoda
9/19/2019 1:29:38 AM



#94
Hexachlorobutadiene
Concen: 136.956 ug/l
RT: 15.10 min Scan# 2217
Delta R.T. -0.00 min
Lab File: VY000056.D
Acq: 17 Sep 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107930		
223	63.7	31.9	95.5	
227	63.2	30.6	91.6	





#95

Naphthalene

Concen: 143.109 ug/l

RT: 15.23 min Scan# 2238

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Instrument :

MSVOA_Y

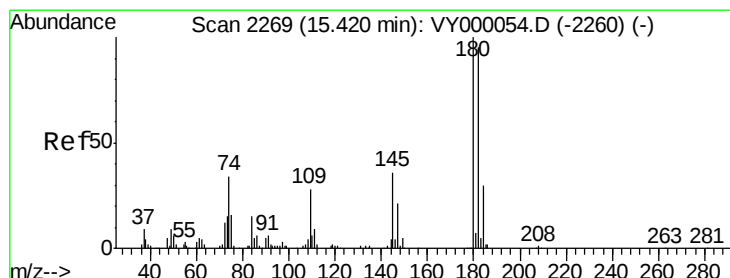
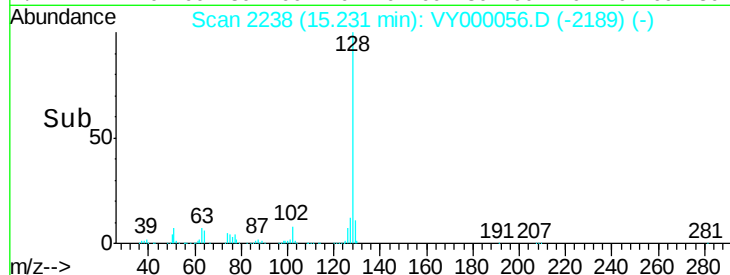
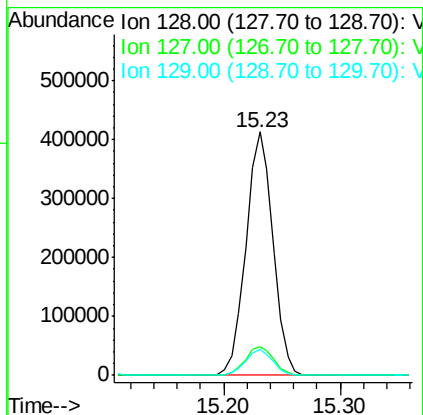
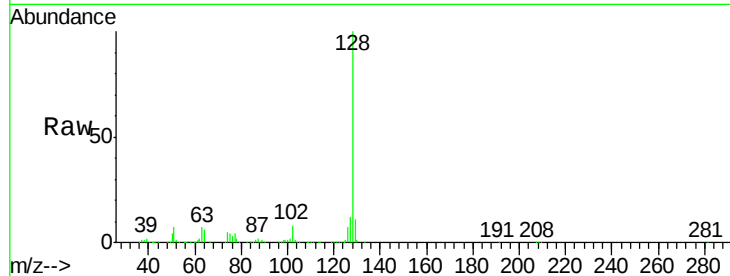
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	667784
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.3	15.5
129	10.8	9.2	13.8

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 146.375 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VY000056.D

Acq: 17 Sep 2019 12:53

Tgt Ion:	180	Resp:	225197
Ion Ratio	Lower	Upper	
180	100		
182	92.8	47.5	142.5
145	33.7	17.4	52.2

