

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000055.D
 Acq On : 17 Sep 2019 12:31
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:36 AM

Quant Time: Sep 17 13:00:18 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	115417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	216665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	189695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	81726	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	133317	94.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.56%	
35) Dibromofluoromethane	7.72	113	127609	91.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.88%	
50) Toluene-d8	10.18	98	535481	100.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.54%	
62) 4-Bromofluorobenzene	12.48	95	187231	92.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	74586	74.918	ug/l	97
3) Chloromethane	2.11	50	97172	62.954	ug/l	94
4) Vinyl Chloride	2.25	62	115235	85.980	ug/l	95
5) Bromomethane	2.62	94	69139	75.058	ug/l	96
6) Chloroethane	2.78	64	78584	85.304	ug/l	98
7) Trichlorofluoromethane	3.11	101	160765	83.357	ug/l	90
8) Diethyl Ether	3.53	74	71735	91.310	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.89	101	115380	89.961	ug/l	99
10) Methyl Iodide	4.08	142	136064	110.525	ug/l	99
11) Tert butyl alcohol	4.98	59	71639	403.305	ug/l	99
12) 1,1-Dichloroethene	3.87	96	105438	87.795	ug/l	91
13) Acrolein	3.72	56	33585	319.562	ug/l	97
14) Allyl chloride	4.47	41	162472	88.651	ug/l	100
15) Acrylonitrile	5.16	53	219192	463.380	ug/l	99
16) Acetone	3.95	43	152972	469.818	ug/l	97
17) Carbon Disulfide	4.19	76	193606	81.173	ug/l	98
18) Methyl Acetate	4.48	43	96426	88.756	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	339642	93.788	ug/l	96
20) Methylene Chloride	4.71	84	130504	83.966	ug/l	98
21) trans-1,2-Dichloroethene	5.21	96	114877	88.560	ug/l	94
22) Diisopropyl ether	6.11	45	383915	96.836	ug/l	97
23) Vinyl Acetate	6.06	43	1285753	489.900	ug/l	98
24) 1,1-Dichloroethane	6.02	63	219646	93.001	ug/l	97
25) 2-Butanone	6.99	43	268789	465.293	ug/l	100
26) 2,2-Dichloropropane	6.98	77	191033	81.777	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	151407	92.459	ug/l	98
28) Bromochloromethane	7.33	49	111365	101.099	ug/l	95
29) Tetrahydrofuran	7.34	42	162273	468.821	ug/l	99
30) Chloroform	7.50	83	226774	90.736	ug/l	95
31) Cyclohexane	7.78	56	157448	76.375	ug/l	96
32) 1,1,1-Trichloroethane	7.70	97	183640	92.357	ug/l	99
36) 1,1-Dichloropropene	7.92	75	152611	89.620	ug/l	98
37) Ethyl Acetate	7.08	43	106065	97.599	ug/l	99
38) Carbon Tetrachloride	7.89	117	152316	97.542	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000055.D
 Acq On : 17 Sep 2019 12:31
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:36 AM

Quant Time: Sep 17 13:00:18 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)
39) Methylcyclohexane	9.18	83	186518	90.174	ug/l	96
40) Benzene	8.16	78	524079	95.493	ug/l	94
41) Methacrylonitrile	7.33	41	77485m	129.873	ug/l	
42) 1,2-Dichloroethane	8.23	62	139211	98.476	ug/l	98
43) Isopropyl Acetate	8.28	43	210925	99.407	ug/l	99
44) Trichloroethene	8.94	130	131512	94.348	ug/l	98
45) 1,2-Dichloropropane	9.22	63	136287	95.905	ug/l	100
46) Dibromomethane	9.30	93	75033	97.408	ug/l	99
47) Bromodichloromethane	9.50	83	183107	95.862	ug/l	99
48) Methyl methacrylate	9.30	41	90491	95.668	ug/l	95
49) 1,4-Dioxane	9.30	88	29018	1977.373	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	581176	499.170	ug/l	99
52) Toluene	10.24	92	333640	96.845	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	195802	98.814	ug/l	99
54) cis-1,3-Dichloropropene	9.92	75	222801	98.066	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	121458	101.249	ug/l	98
56) Ethyl methacrylate	10.51	69	169675	101.238	ug/l	99
57) 1,3-Dichloropropane	10.79	76	195268	95.935	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	466989	507.821	ug/l	99
59) 2-Hexanone	10.83	43	421524	501.470	ug/l	99
60) Dibromochloromethane	10.98	129	126593	100.365	ug/l	99
61) 1,2-Dibromoethane	11.09	107	107856	96.284	ug/l	99
64) Tetrachloroethene	10.72	164	112424	91.374	ug/l	97
65) Chlorobenzene	11.51	112	361718	94.889	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	126104	98.427	ug/l	98
67) Ethyl Benzene	11.59	91	649755	94.164	ug/l	97
68) m/p-Xylenes	11.70	106	496500	187.799	ug/l	98
69) o-Xylene	12.03	106	242088	96.433	ug/l	98
70) Styrene	12.04	104	430438	97.494	ug/l	99
71) Bromoform	12.20	173	74343	103.295	ug/l #	96
73) Isopropylbenzene	12.33	105	634277	95.243	ug/l	99
74) N-amyl acetate	12.14	43	194538	104.295	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	149435	92.555	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	105825m	87.747	ug/l	
77) Bromobenzene	12.61	156	136651	97.956	ug/l	99
78) n-propylbenzene	12.67	91	777847	94.437	ug/l	100
79) 2-Chlorotoluene	12.75	91	434881	95.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	528282	95.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	58631	100.205	ug/l	95
82) 4-Chlorotoluene	12.85	91	454606	97.349	ug/l	98
83) tert-Butylbenzene	13.07	119	458362	96.217	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	529374	96.508	ug/l	100
85) sec-Butylbenzene	13.25	105	667648	94.962	ug/l	100
86) p-Isopropyltoluene	13.37	119	559020	93.887	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	269069	98.076	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	269952	95.795	ug/l	99
89) n-Butylbenzene	13.69	91	589713	96.705	ug/l	100
90) Hexachloroethane	13.96	117	112901	96.572	ug/l	98
91) 1,2-Dichlorobenzene	13.73	146	252651	95.854	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	27177	88.657	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091719\
 Data File : VY000055.D
 Acq On : 17 Sep 2019 12:31
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

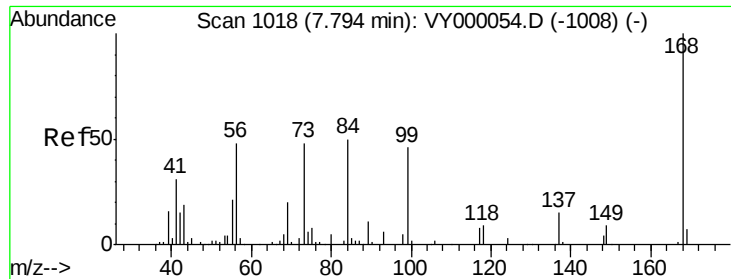
Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 1:29:36 AM

Quant Time: Sep 17 13:00:18 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)
93) 1,2,4-Trichlorobenzene	15.00	180	156942	101.433	ug/l	98
94) Hexachlorobutadiene	15.11	225	68907	91.554	ug/l	95
95) Naphthalene	15.23	128	441043	98.967	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	144615	98.423	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 115417

Ion Ratio Lower Upper

168 100

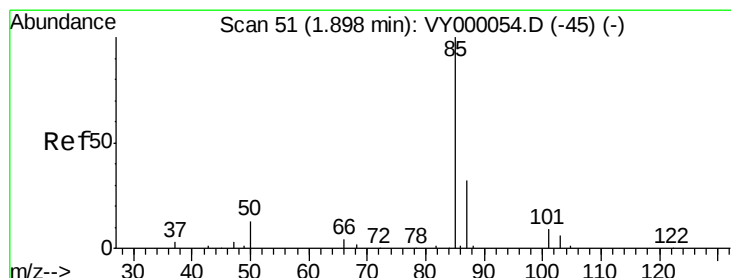
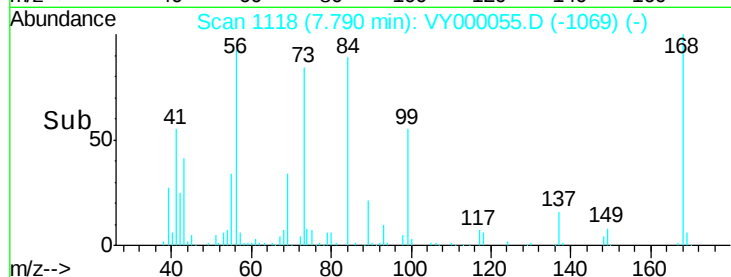
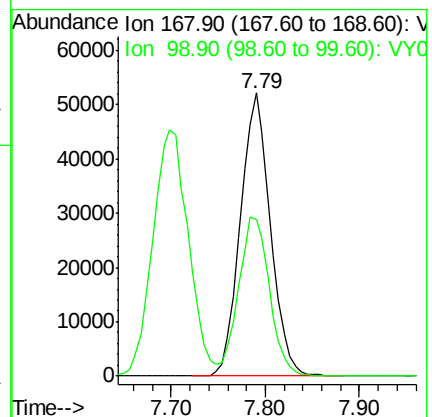
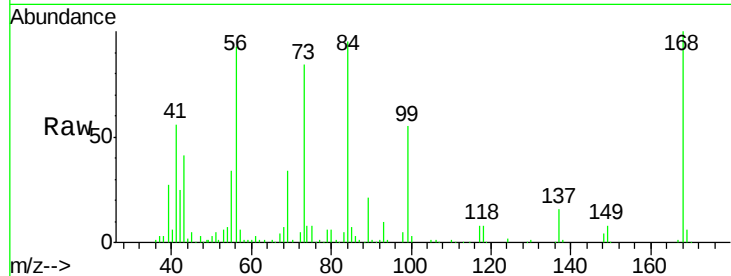
99 55.3 44.2 66.2

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:29:36 AM



#2

Dichlorodifluoromethane

Concen: 74.918 ug/l

RT: 1.90 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY000055.D

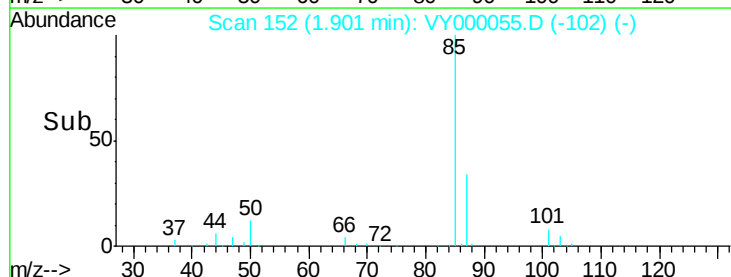
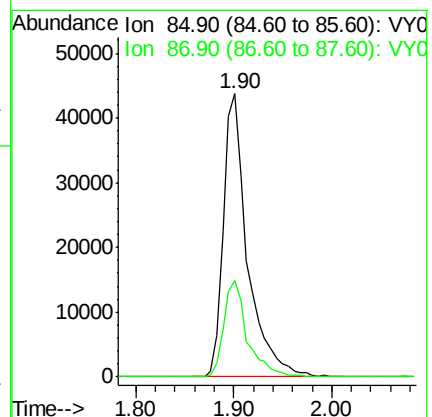
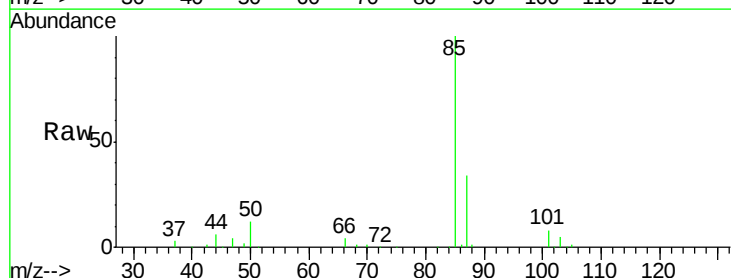
Acq: 17 Sep 2019 12:31

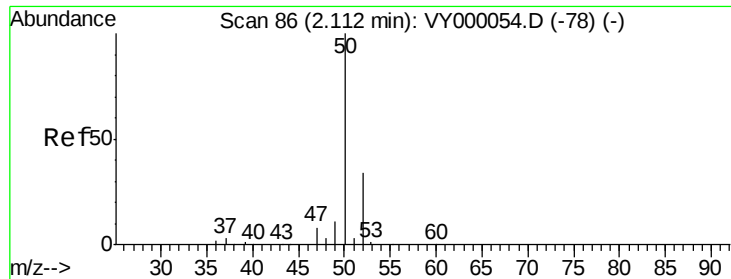
Tgt Ion: 85 Resp: 74586

Ion Ratio Lower Upper

85 100

87 34.1 16.2 48.5





#3

Chloromethane

Concen: 62.954 ug/l

RT: 2.11 min Scan# 187

Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 97172

Ion Ratio Lower Upper

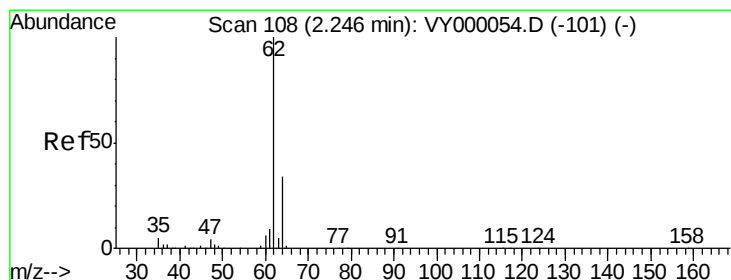
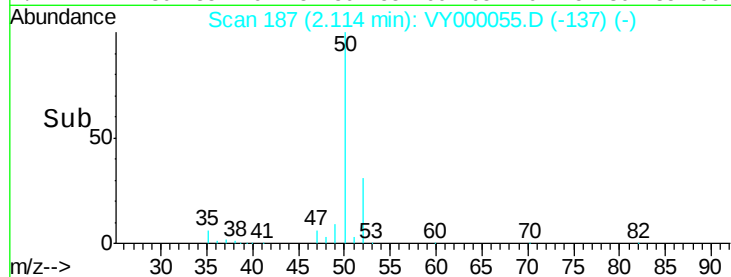
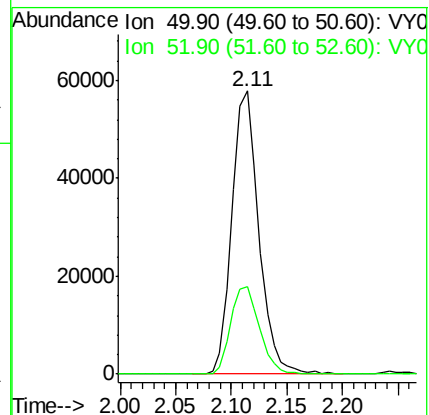
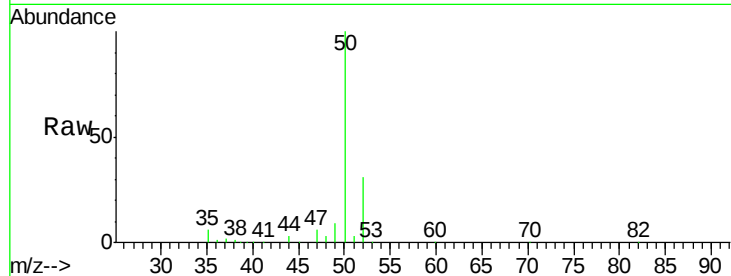
50 100

52 30.7 27.3 40.9

Manual Integrations
APPROVED

MMDadoda

9/19/2019 1:29:36 AM



#4

Vinyl Chloride

Concen: 85.980 ug/l

RT: 2.25 min Scan# 209

Delta R.T. 0.00 min

Lab File: VY000055.D

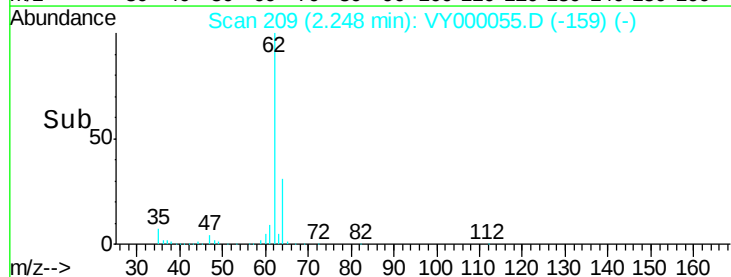
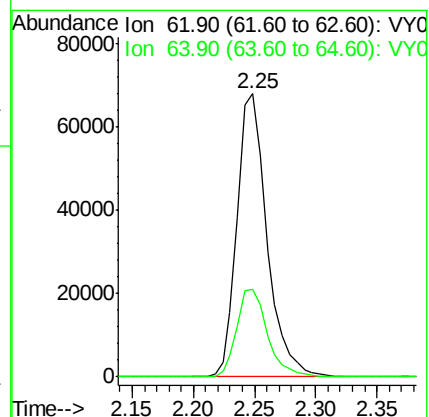
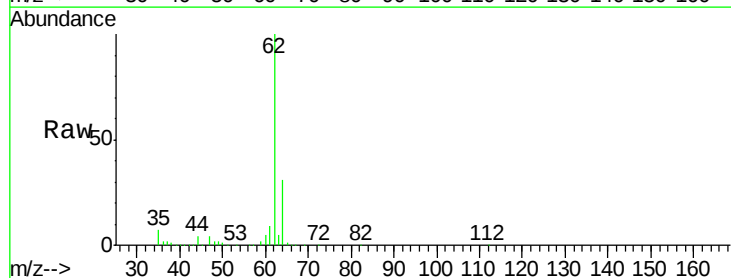
Acq: 17 Sep 2019 12:31

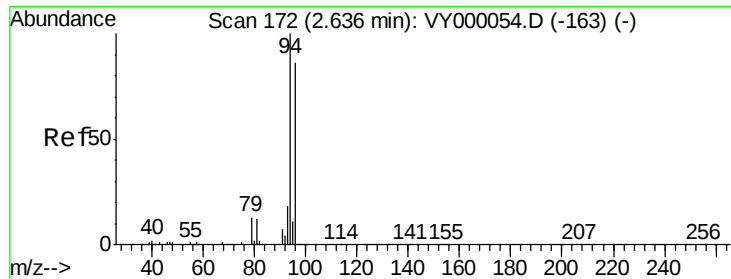
Tgt Ion: 62 Resp: 115235

Ion Ratio Lower Upper

62 100

64 30.9 26.9 40.3





#5

Bromomethane

Concen: 75.058 ug/l

RT: 2.62 min Scan# 270

Delta R.T. -0.02 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 69139

Ion Ratio Lower Upper

94 100

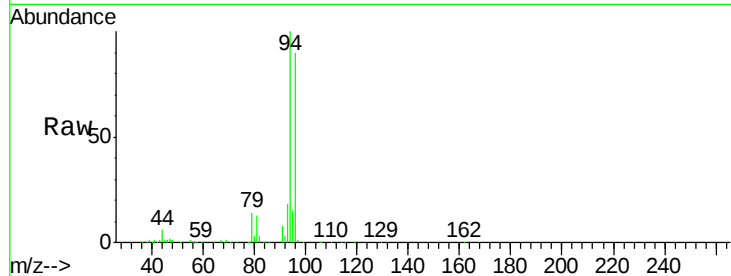
96 90.4 69.1 103.7

Manual Integrations

APPROVED

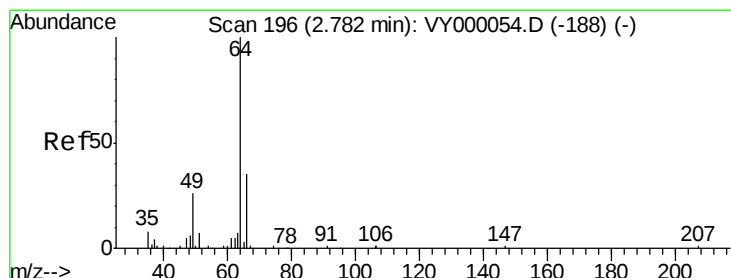
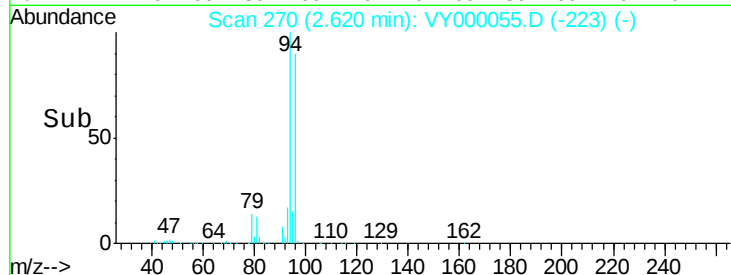
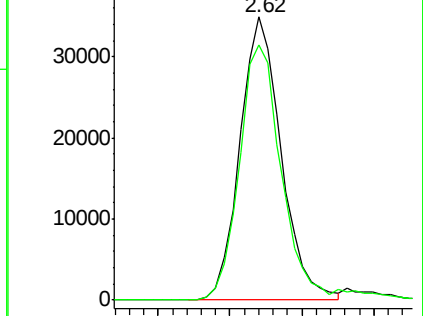
MMDadoda

9/19/2019 1:29:36 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 85.304 ug/l

RT: 2.78 min Scan# 296

Delta R.T. -0.00 min

Lab File: VY000055.D

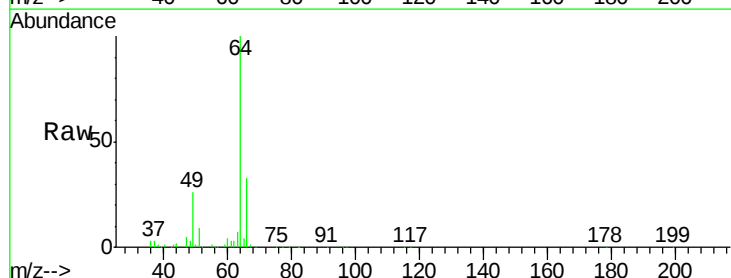
Acq: 17 Sep 2019 12:31

Tgt Ion: 64 Resp: 78584

Ion Ratio Lower Upper

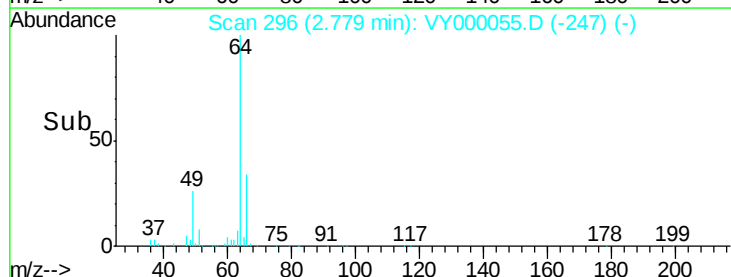
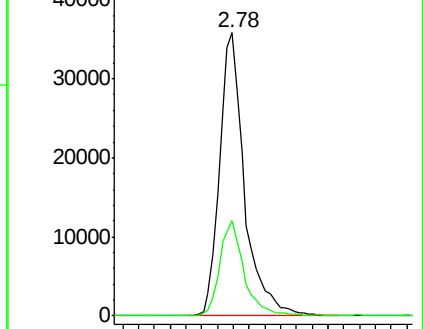
64 100

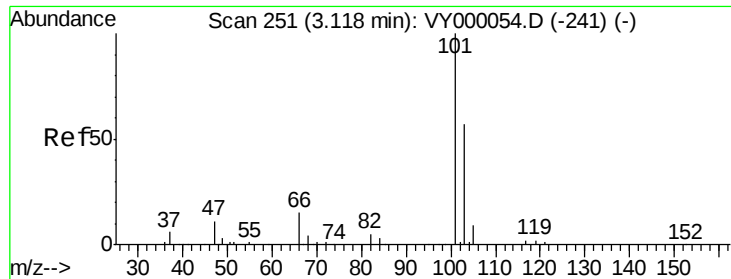
66 33.5 27.7 41.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

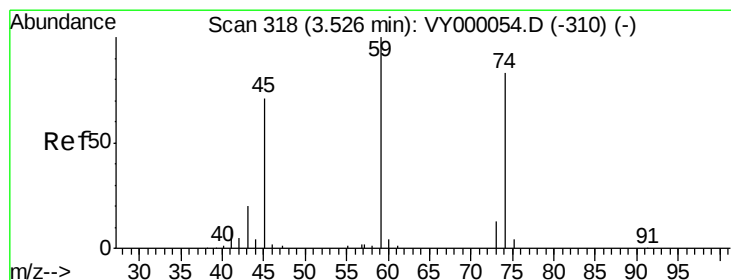
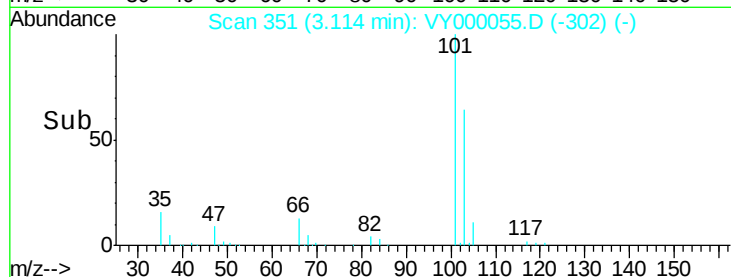
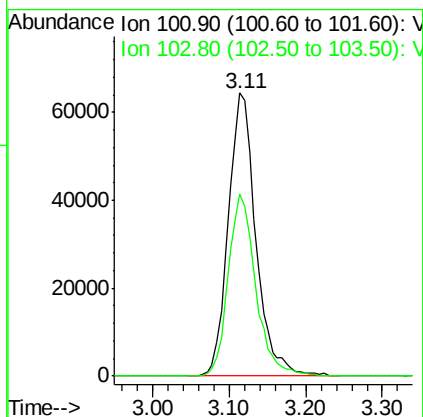
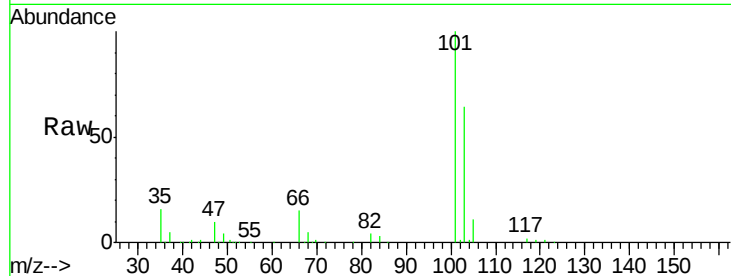
Trichlorofluoromethane
Concen: 83.357 ug/l
RT: 3.11 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	45.7	68.5

Manual Integrations
APPROVED

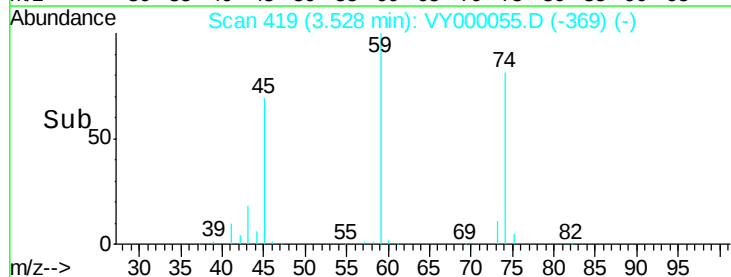
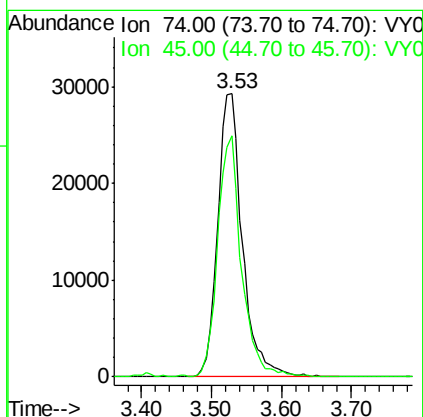
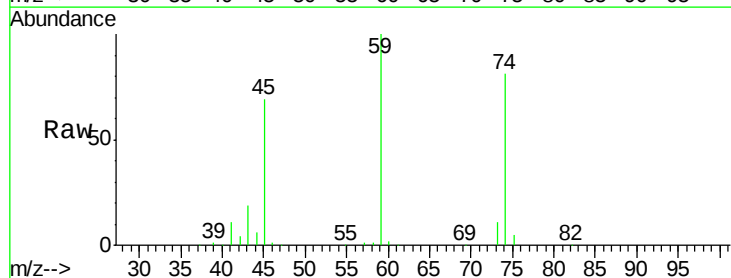
MMDadoda
9/19/2019 1:29:36 AM

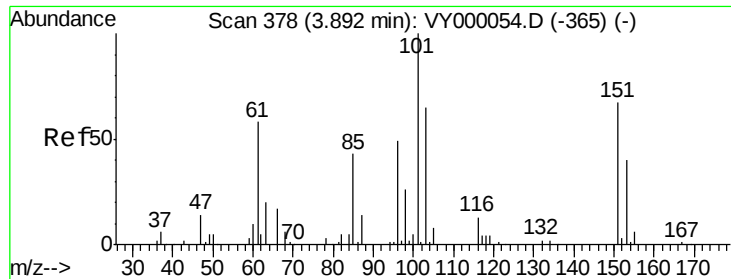


#8

Diethyl Ether
Concen: 91.310 ug/l
RT: 3.53 min Scan# 419
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.2	40.6	122.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.961 ug/l

RT: 3.89 min Scan# 478

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

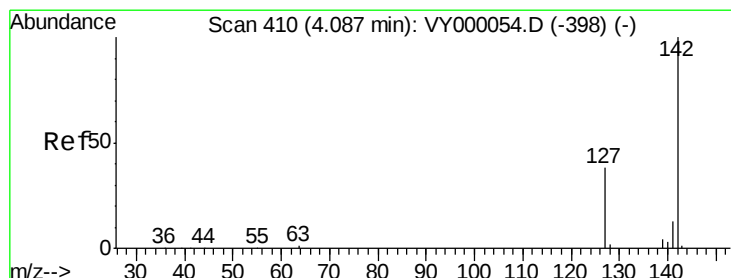
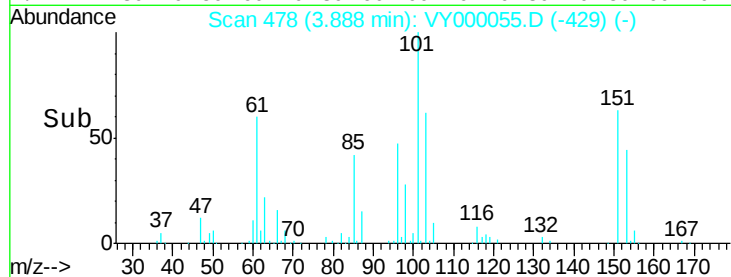
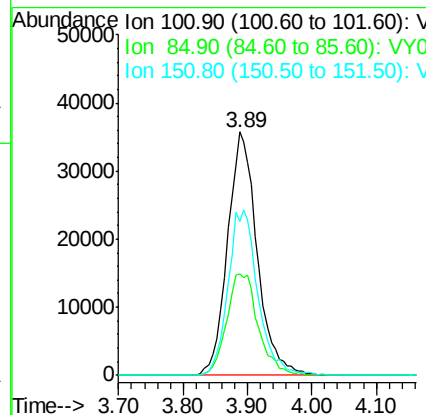
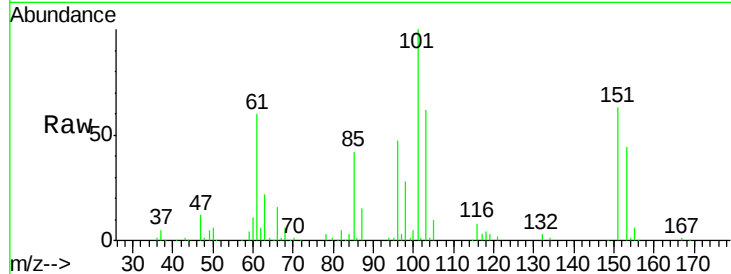
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	115380
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.8	55.2
151	68.5	54.4	81.6

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:36 AM



#10

Methyl Iodide

Concen: 110.525 ug/l

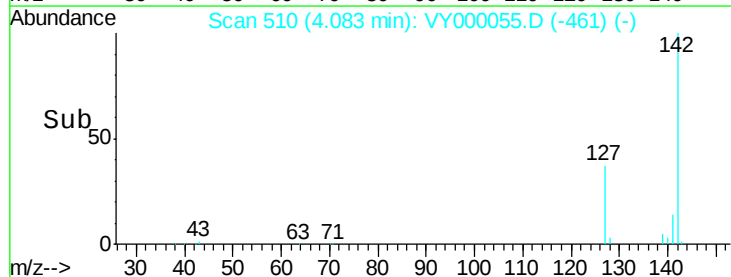
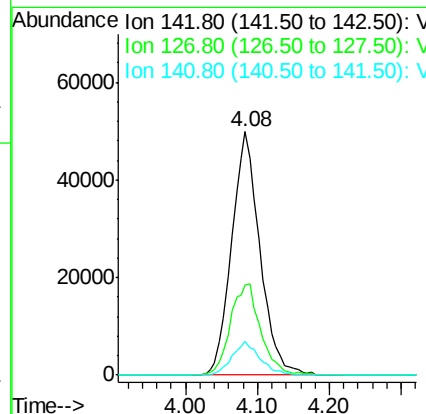
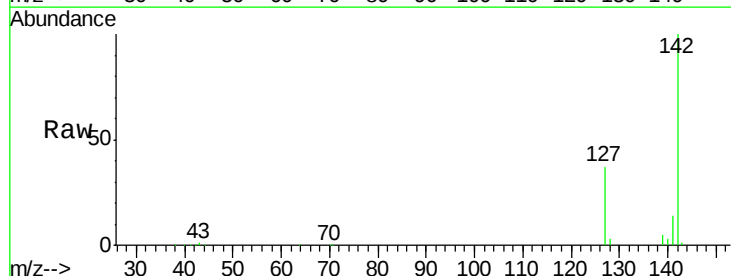
RT: 4.08 min Scan# 510

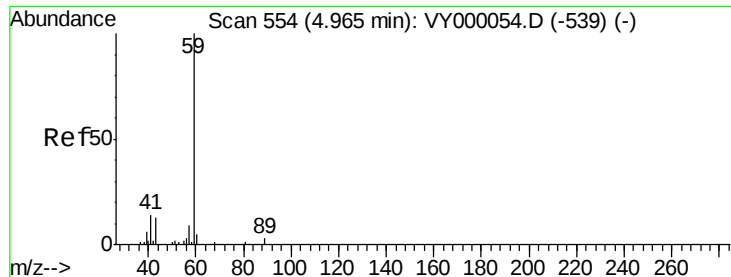
Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion:	142	Resp:	136064
Ion Ratio	Lower	Upper	
142	100		
127	40.0	31.6	47.4
141	13.6	10.9	16.3





#11

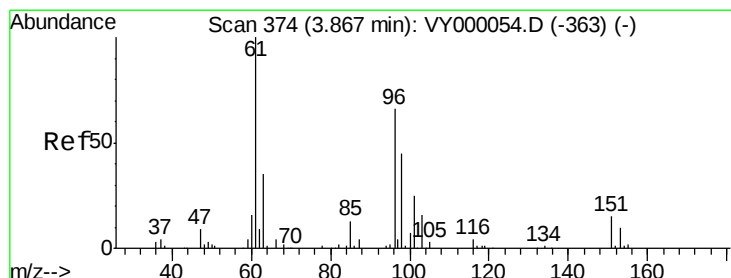
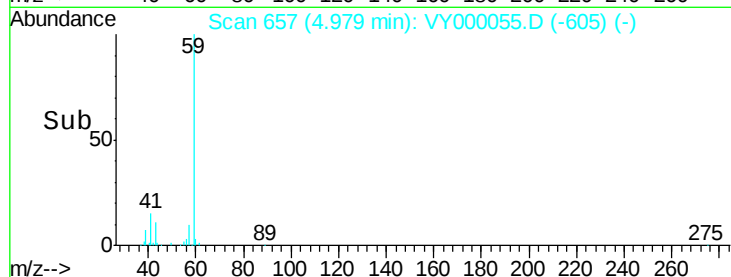
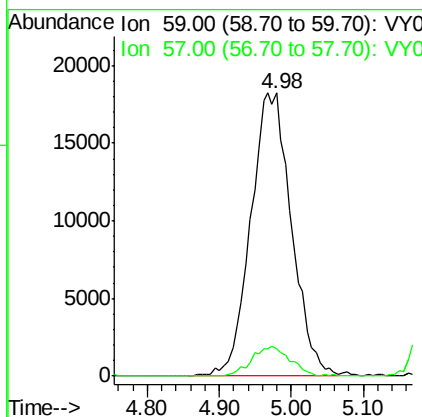
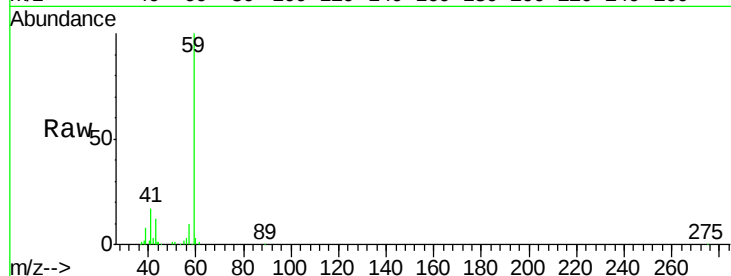
Tert butyl alcohol
Concen: 403.305 ug/l
RT: 4.98 min Scan# 657
Delta R.T. 0.01 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.0	12.0

Manual Integrations
APPROVED

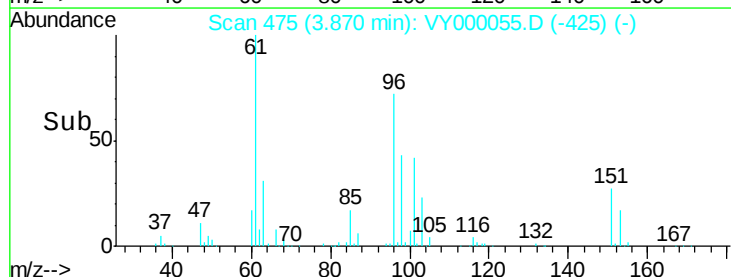
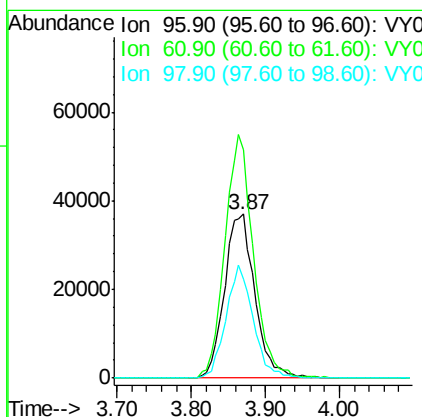
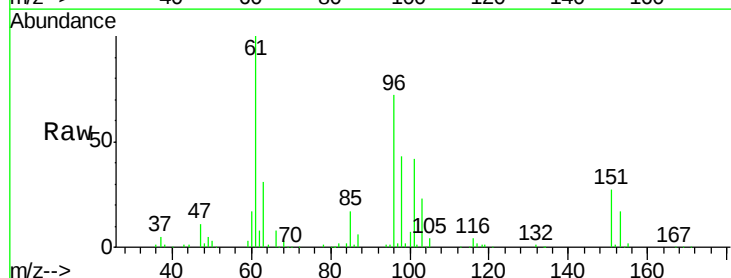
MMDadoda
9/19/2019 1:29:36 AM

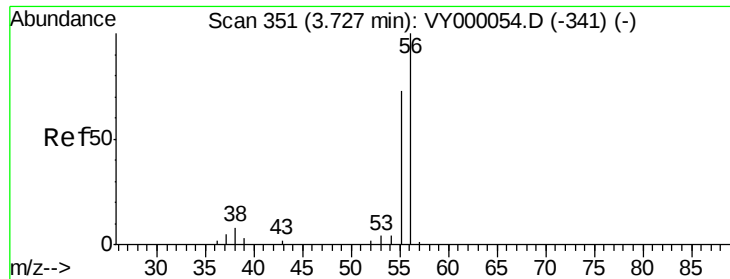


#12

1,1-Dichloroethene
Concen: 87.795 ug/l
RT: 3.87 min Scan# 475
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.3	120.4	180.6
98	60.2	54.1	81.1





#13

Acrolein

Concen: 319.562 ug/l

RT: 3.72 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 33585

Ion Ratio Lower Upper

56 100

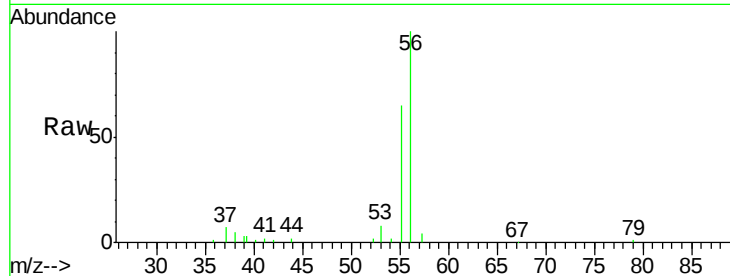
55 69.7 57.8 86.8

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:29:36 AM



Abundance Ion 56.00 (55.70 to 56.70): VY000055.D (-402) (-)

Ion 55.00 (54.70 to 55.70): VY000055.D (-402) (-)

3.72

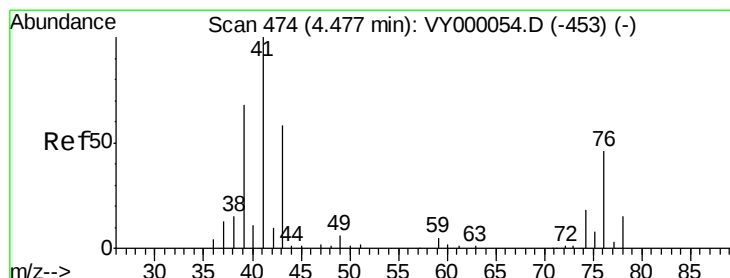
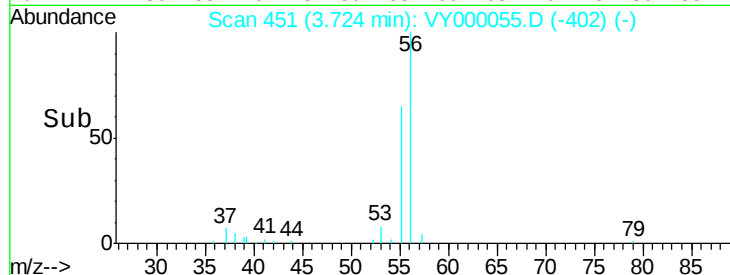
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 88.651 ug/l

RT: 4.47 min Scan# 574

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

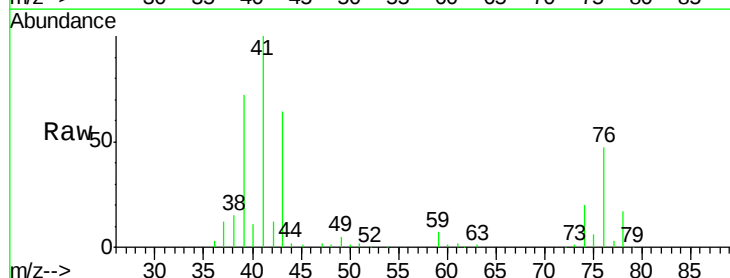
Tgt Ion: 41 Resp: 162472

Ion Ratio Lower Upper

41 100

39 65.9 52.7 79.1

76 43.6 35.5 53.3



Abundance Ion 41.00 (40.70 to 41.70): VY000055.D (-525) (-)

Ion 39.00 (38.70 to 39.70): VY000055.D (-525) (-)

Ion 75.90 (75.60 to 76.60): VY000055.D (-525) (-)

4.47

80000

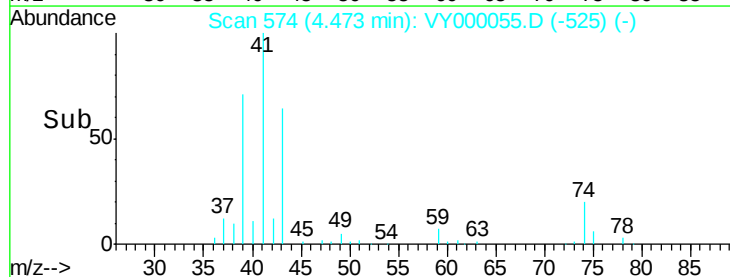
60000

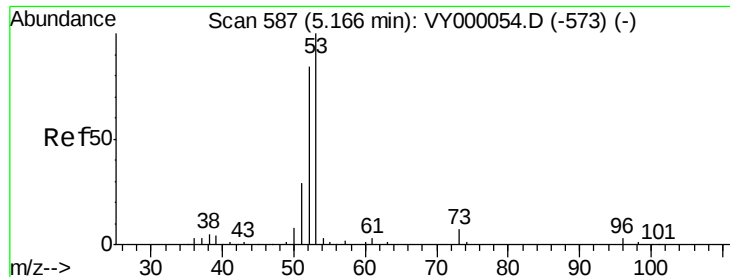
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 463.380 ug/l

RT: 5.16 min Scan# 687

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

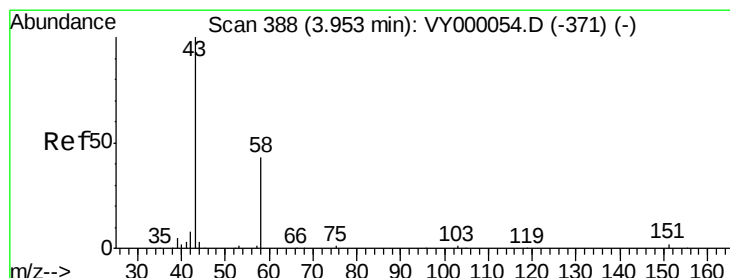
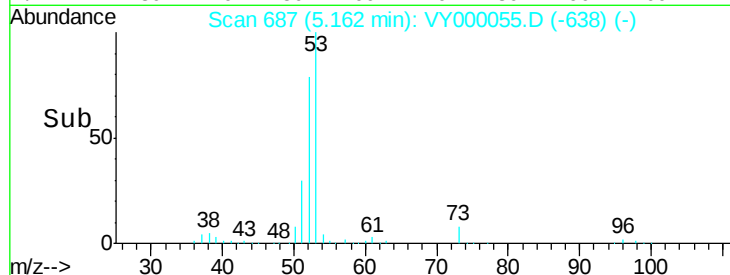
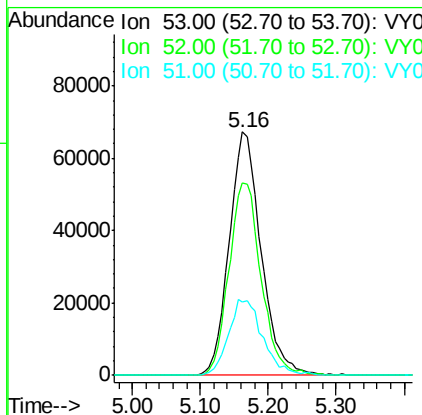
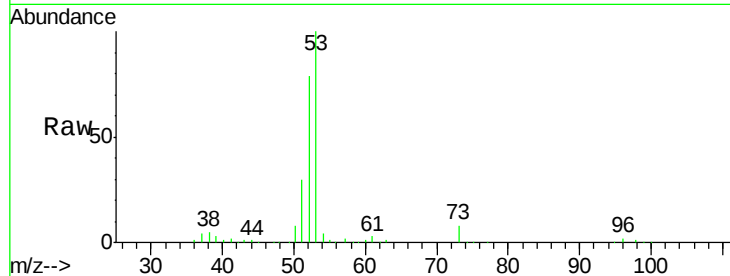
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	219192
Ion	Ratio	Lower	Upper
53	100		
52	79.7	64.7	97.1
51	33.3	26.7	40.1

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:36 AM



#16

Acetone

Concen: 469.818 ug/l

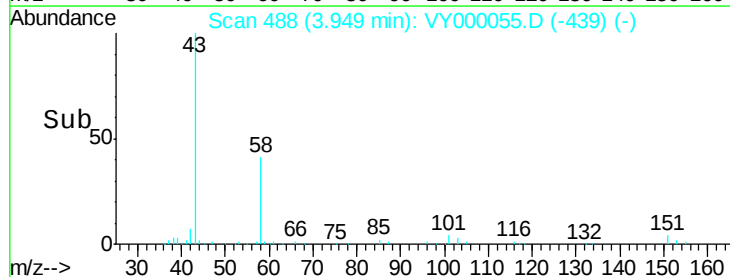
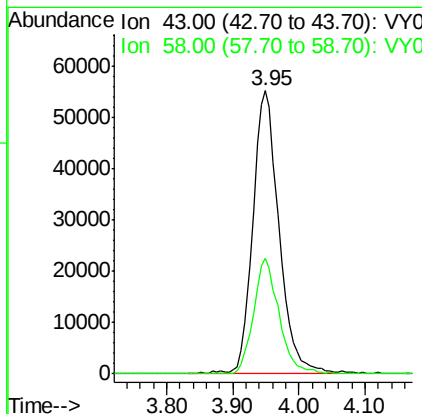
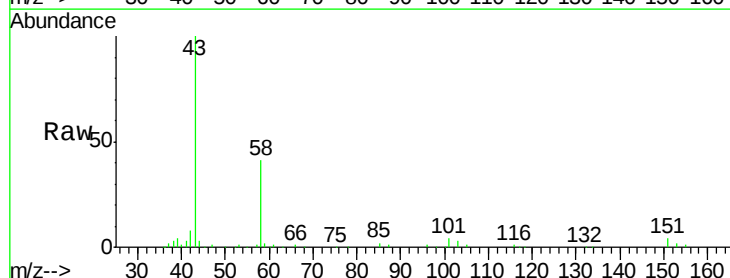
RT: 3.95 min Scan# 488

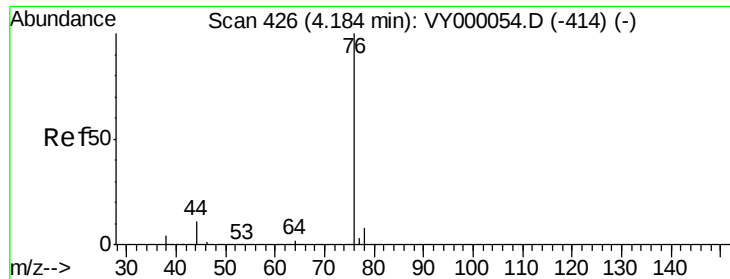
Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion:	43	Resp:	152972
Ion	Ratio	Lower	Upper
43	100		
58	41.0	34.5	51.7





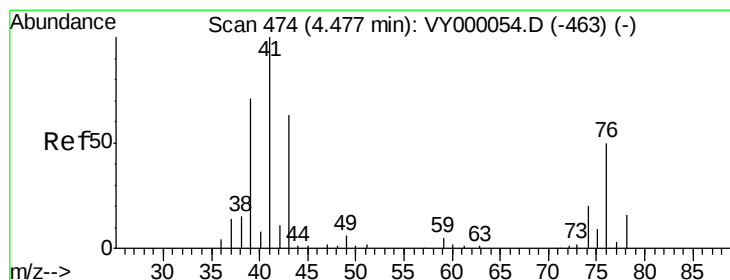
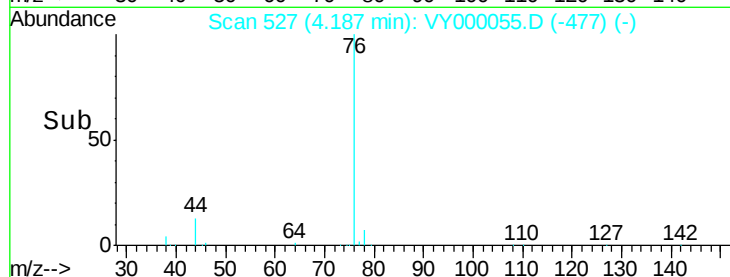
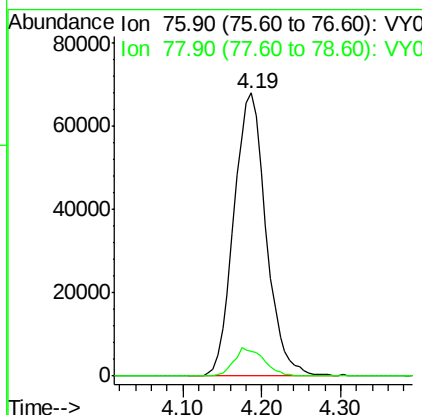
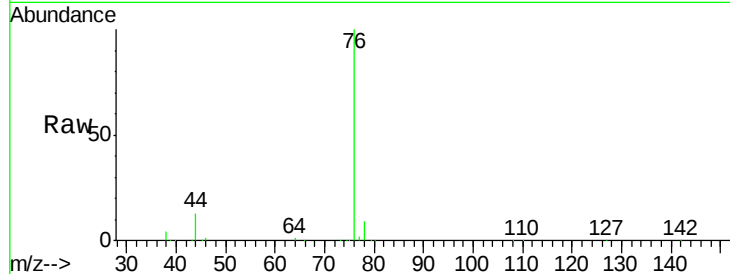
#17
Carbon Disulfide
Concen: 81.173 ug/l
RT: 4.19 min Scan# 527
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	9.8

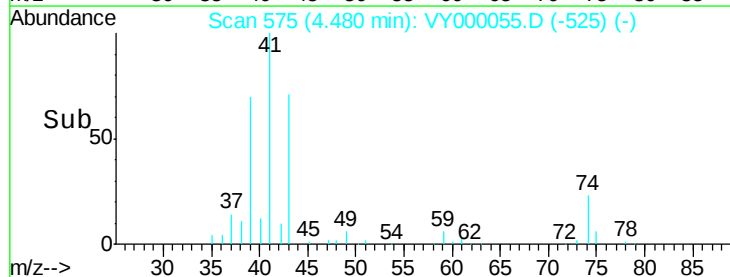
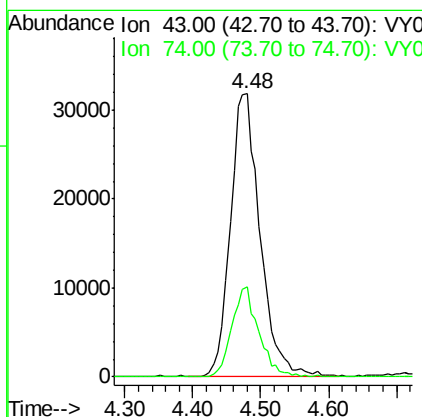
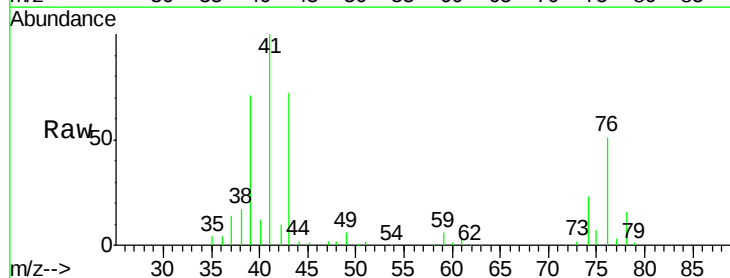
Manual Integrations
APPROVED

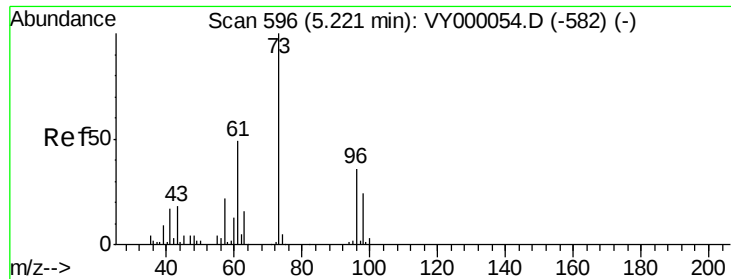
MMDadoda
9/19/2019 1:29:36 AM



#18
Methyl Acetate
Concen: 88.756 ug/l
RT: 4.48 min Scan# 575
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.6	24.1	36.1





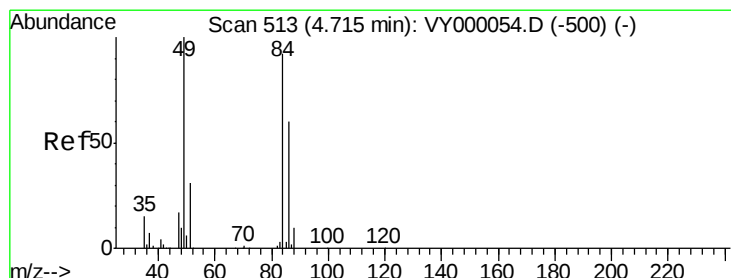
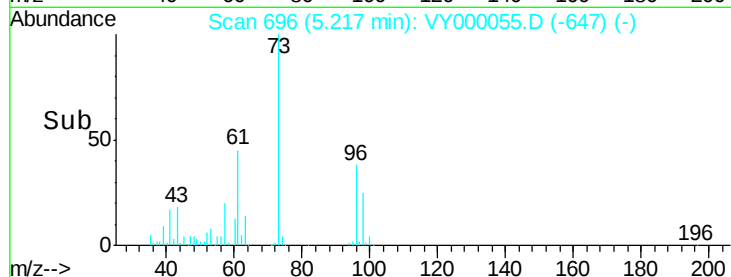
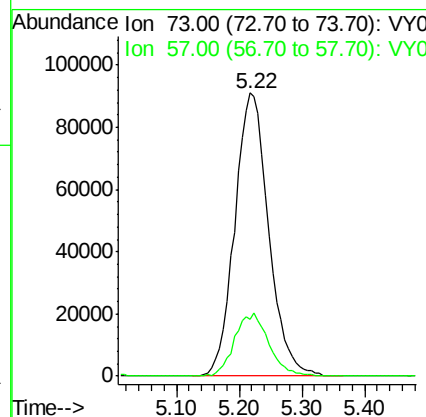
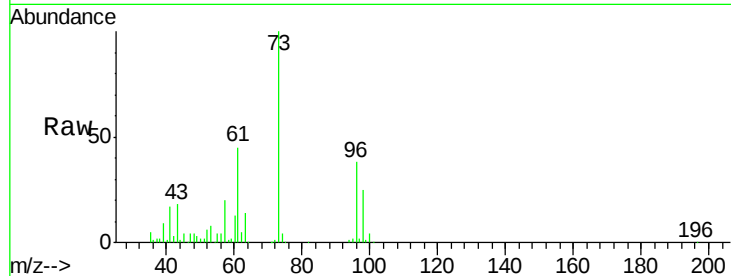
#19
Methvl tert-butvl Ether
Concen: 93.788 ug/l
RT: 5.22 min Scan# 696
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 339642
Ion Ratio Lower Upper
73 100
57 19.9 17.5 26.3

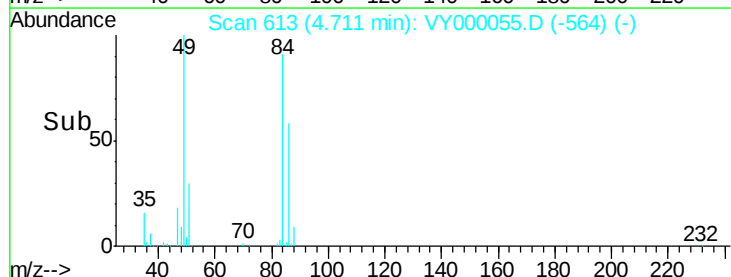
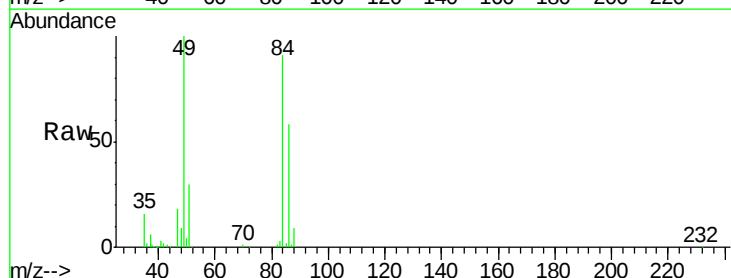
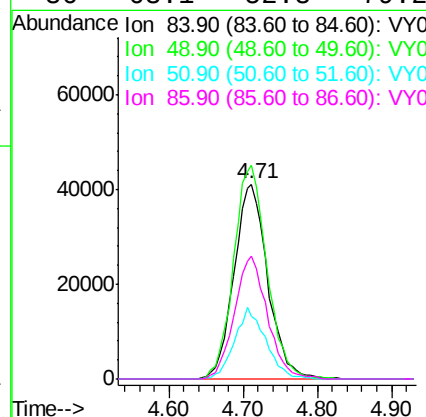
Manual Integrations
APPROVED

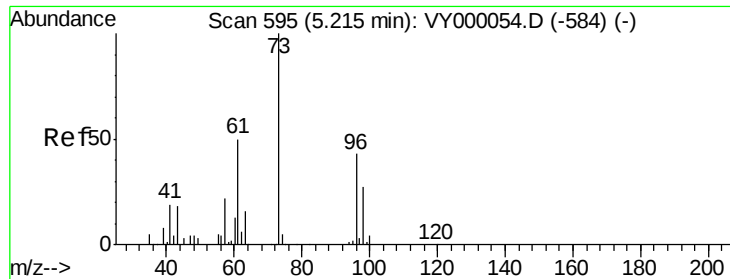
MMDadoda
9/19/2019 1:29:36 AM



#20
Methylene Chloride
Concen: 83.966 ug/l
RT: 4.71 min Scan# 613
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion: 84 Resp: 130504
Ion Ratio Lower Upper
84 100
49 109.5 87.4 131.0
51 32.5 27.2 40.8
86 63.1 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 88.560 ug/l

RT: 5.21 min Scan# 695

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 114877

Ion Ratio Lower Upper

96 100

61 112.5 94.0 141.0

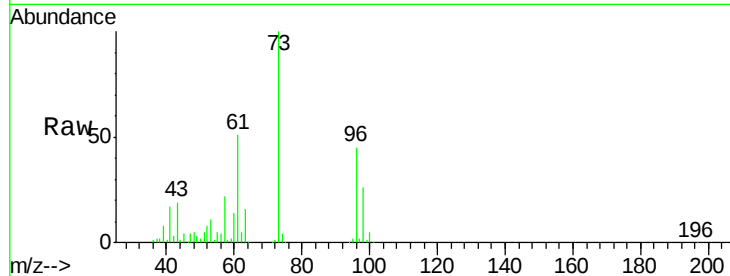
98 56.9 50.3 75.5

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:29:36 AM

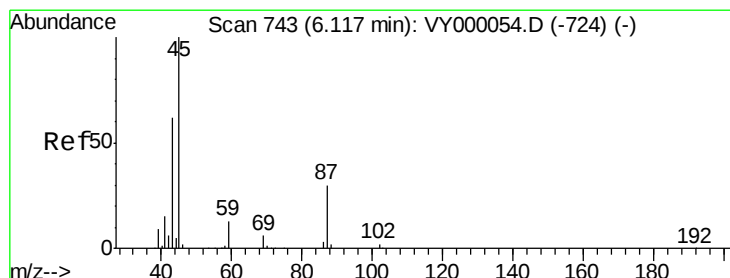
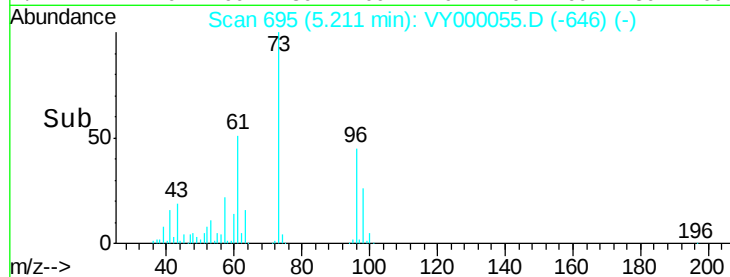
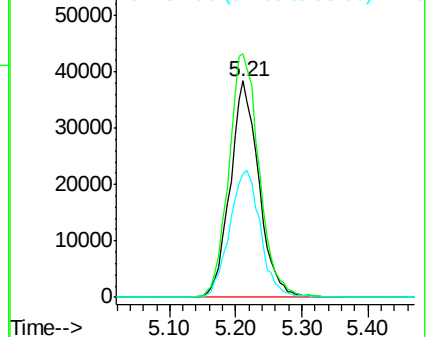


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 96.836 ug/l

RT: 6.11 min Scan# 843

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion: 45 Resp: 383915

Ion Ratio Lower Upper

45 100

43 65.1 49.9 74.9

87 30.2 25.0 37.4

59 10.8 10.4 15.6

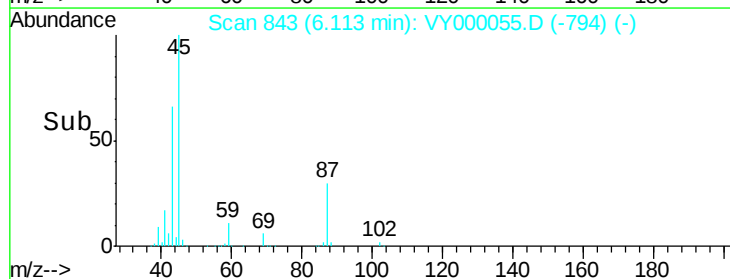
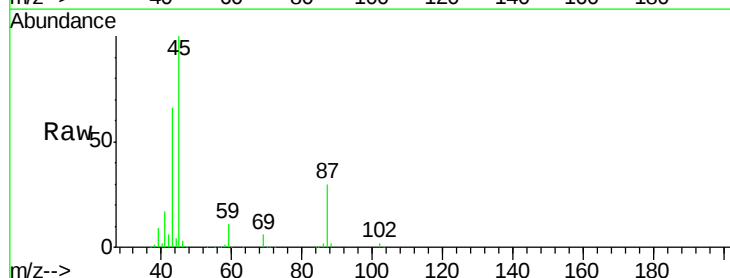
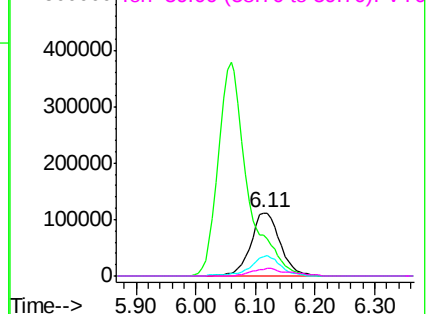
Abundance

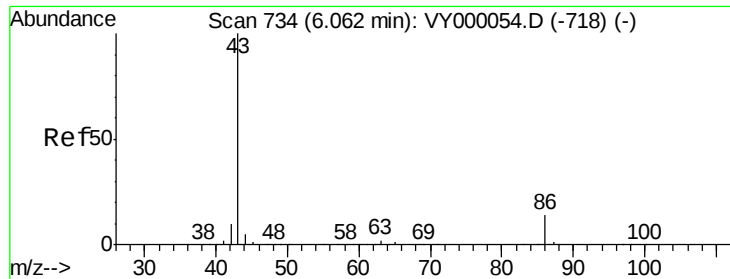
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 489.900 ug/l

RT: 6.06 min Scan# 834

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1285753

Ion Ratio Lower Upper

43 100

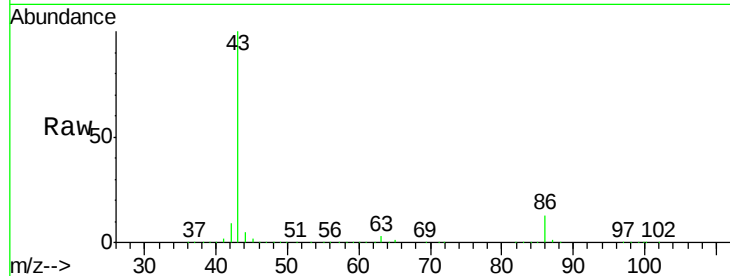
86 13.2 11.3 16.9

Manual Integrations

APPROVED

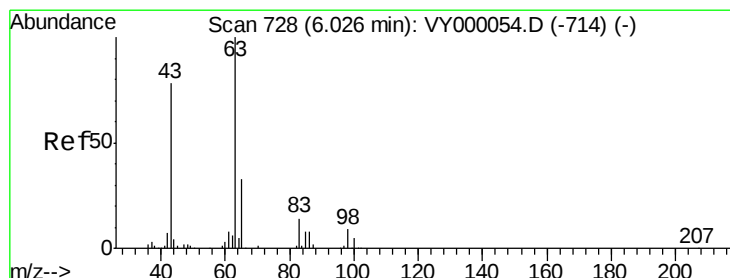
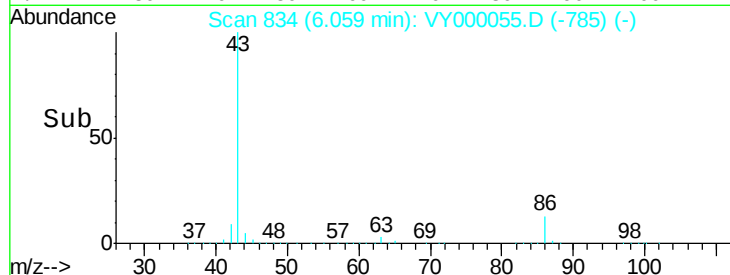
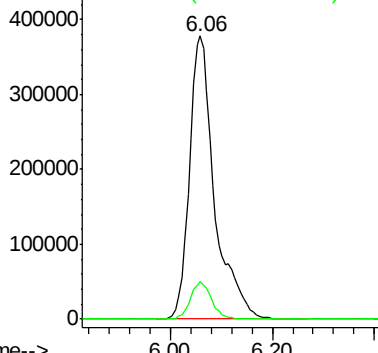
MMDadoda

9/19/2019 1:29:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 93.001 ug/l

RT: 6.02 min Scan# 827

Delta R.T. -0.01 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

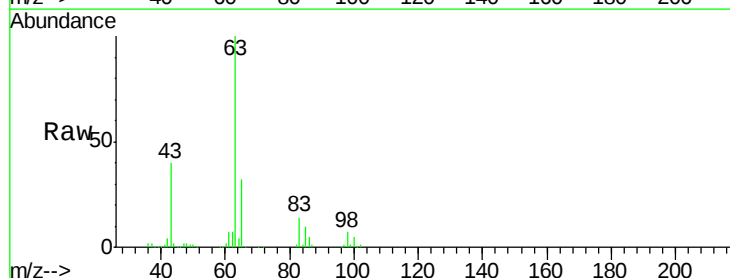
Tgt Ion: 63 Resp: 219646

Ion Ratio Lower Upper

63 100

98 7.4 4.5 13.5

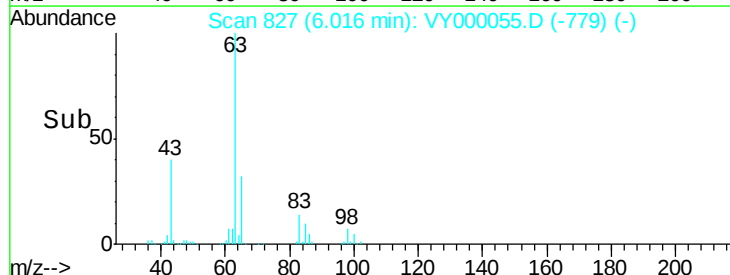
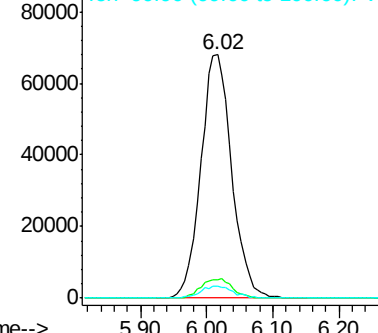
100 5.1 2.5 7.5

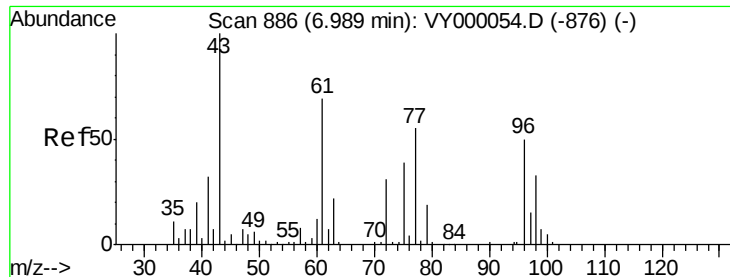


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 465.293 ug/l

RT: 6.99 min Scan# 986

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 268789

Ion Ratio Lower Upper

43 100

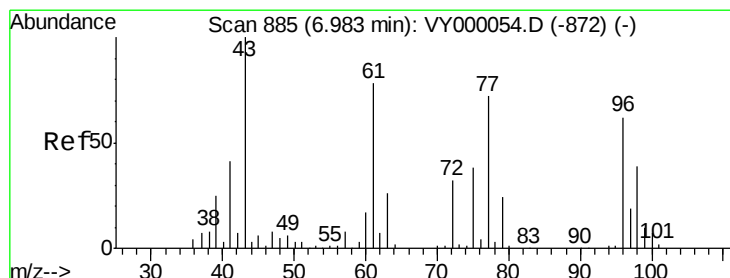
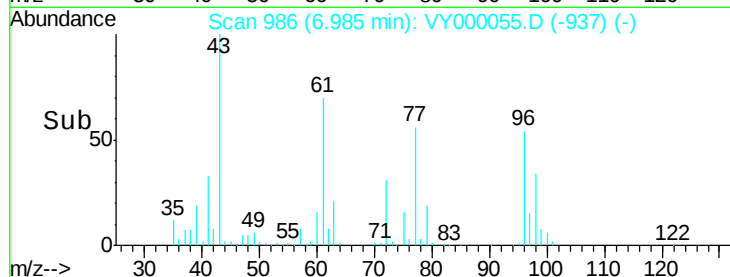
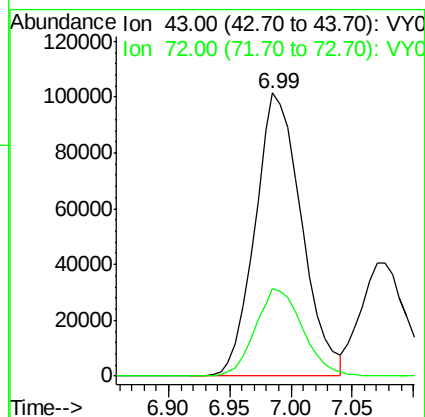
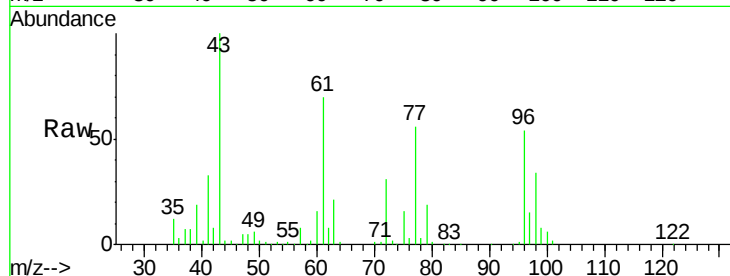
72 31.1 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:29:36 AM



#26

2,2-Dichloropropane

Concen: 81.777 ug/l

RT: 6.98 min Scan# 985

Delta R.T. -0.00 min

Lab File: VY000055.D

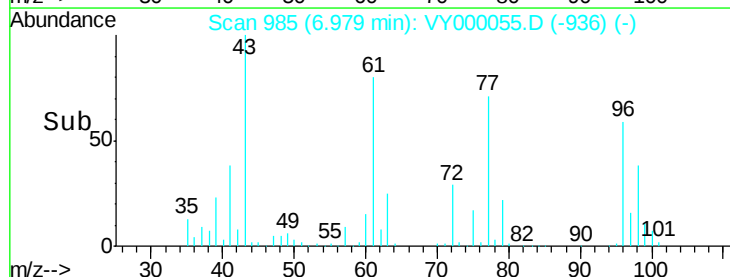
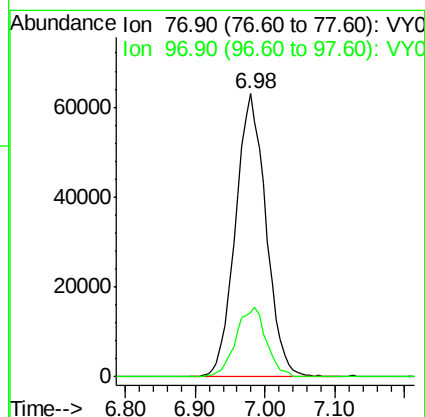
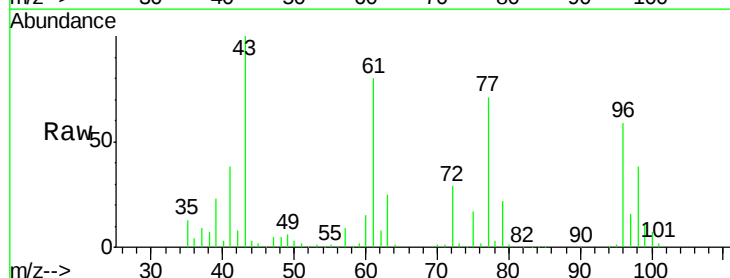
Acq: 17 Sep 2019 12:31

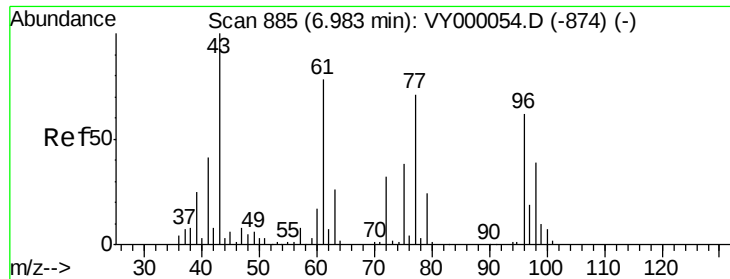
Tgt Ion: 77 Resp: 191033

Ion Ratio Lower Upper

77 100

97 24.4 12.5 37.5





#27

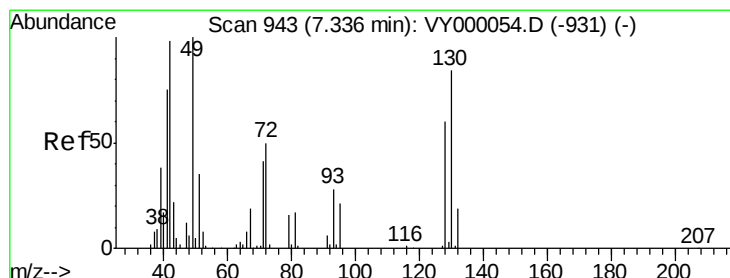
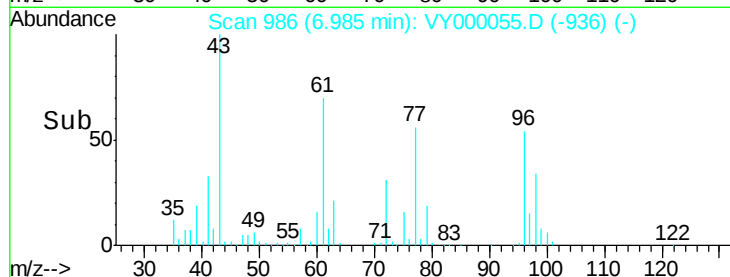
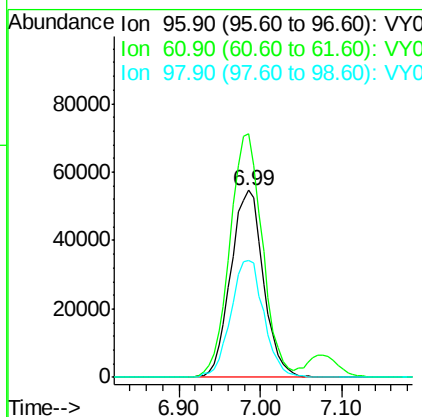
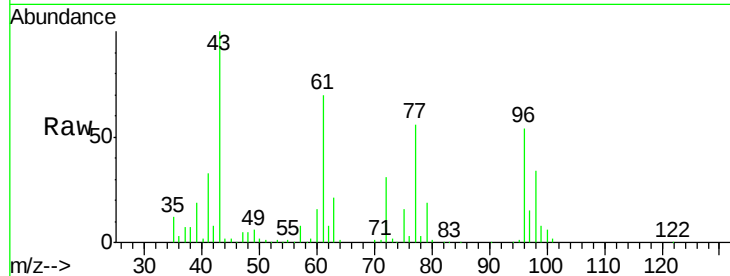
cis-1,2-Dichloroethene
Concen: 92.459 ug/l
RT: 6.99 min Scan# 986
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	263.0
98	63.5	0.0	130.2

Manual Integrations
APPROVED

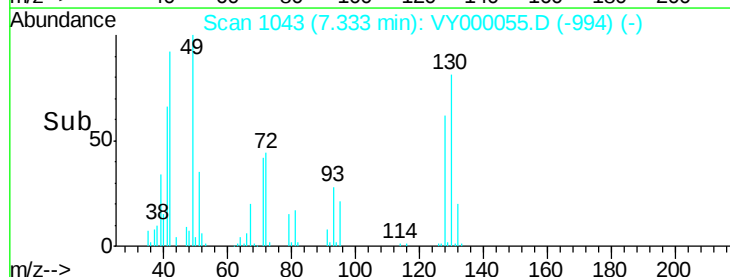
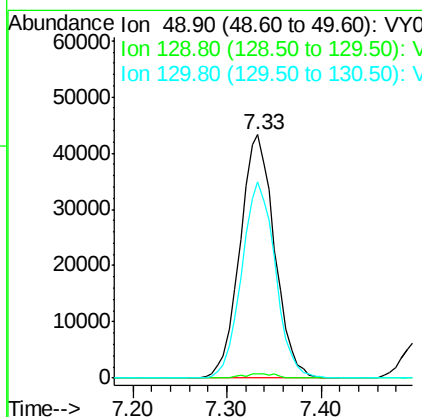
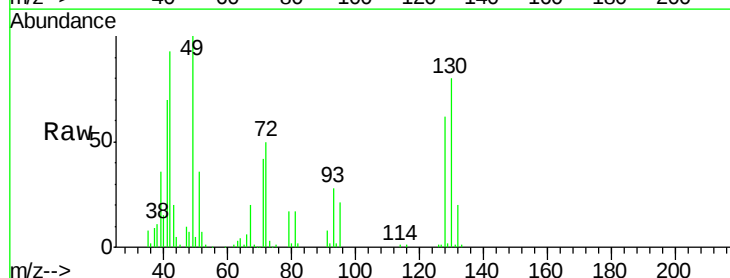
MMDadoda
9/19/2019 1:29:36 AM

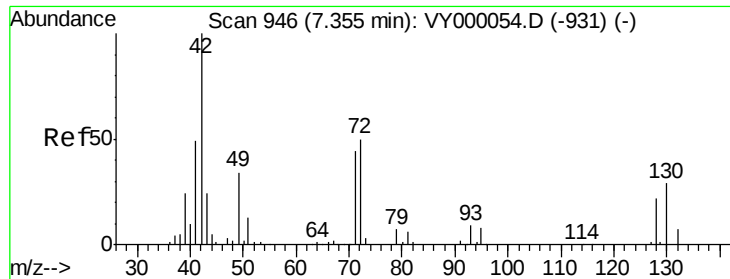


#28

Bromochloromethane
Concen: 101.099 ug/l
RT: 7.33 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	78.5	66.2	99.4





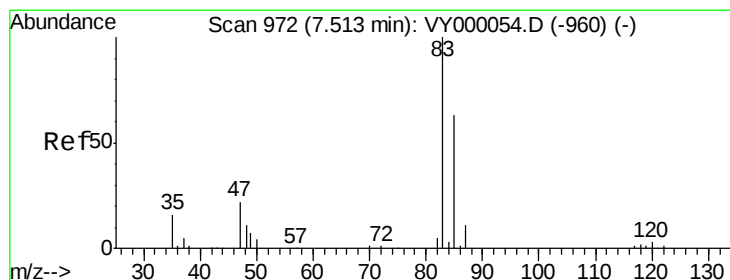
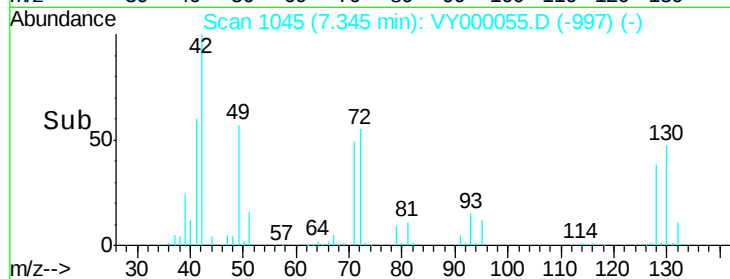
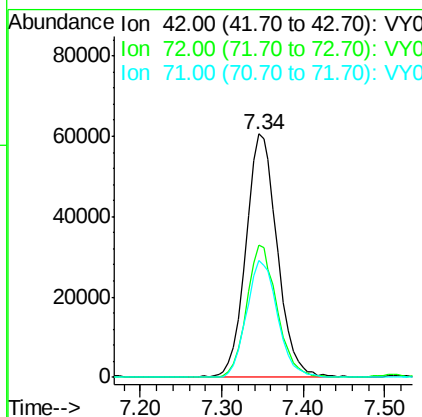
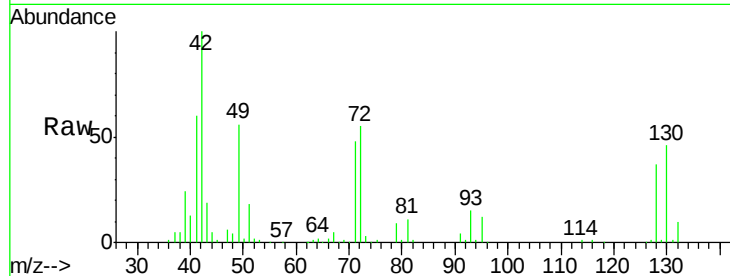
#29
Tetrahydrofuran
Concen: 468.821 ug/l
RT: 7.34 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.5	41.8	62.6
71	47.5	38.6	58.0

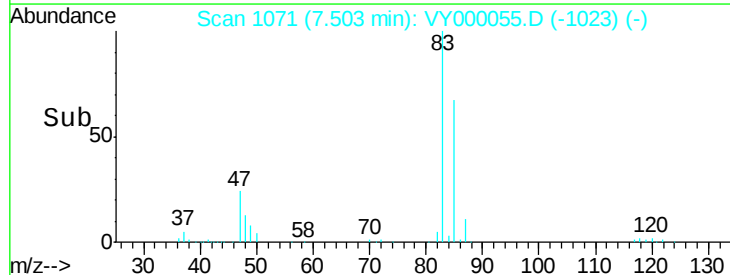
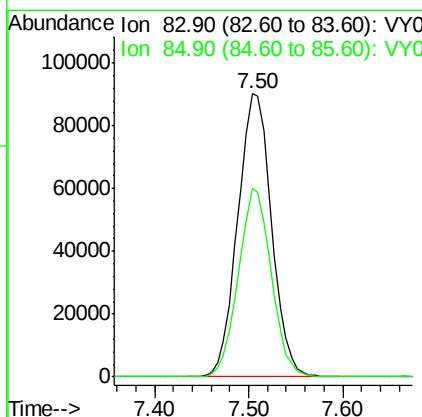
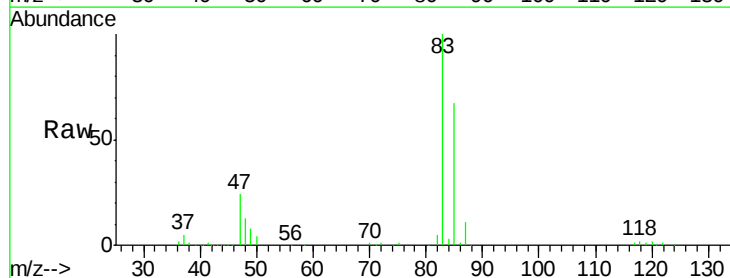
Manual Integrations
APPROVED

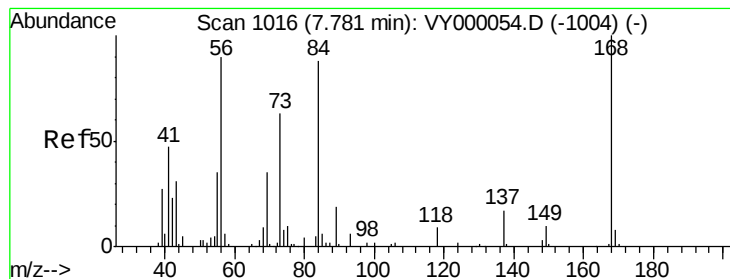
MMDadoda
9/19/2019 1:29:36 AM



#30
Chloroform
Concen: 90.736 ug/l
RT: 7.50 min Scan# 1071
Delta R.T. -0.01 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.6	76.0





#31

Cyclohexane

Concen: 76.375 ug/l

RT: 7.78 min Scan# 1116

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 157448

Ion Ratio Lower Upper

56 100

69 33.6 30.9 46.3

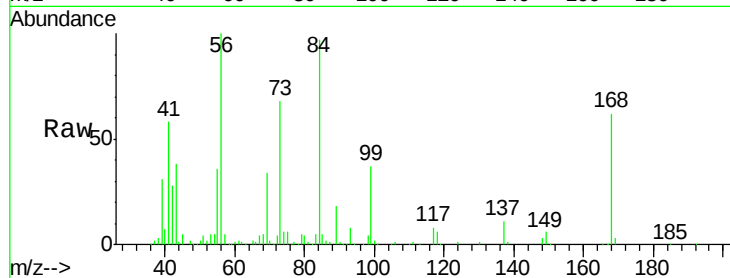
84 95.8 78.5 117.7

Manual Integrations

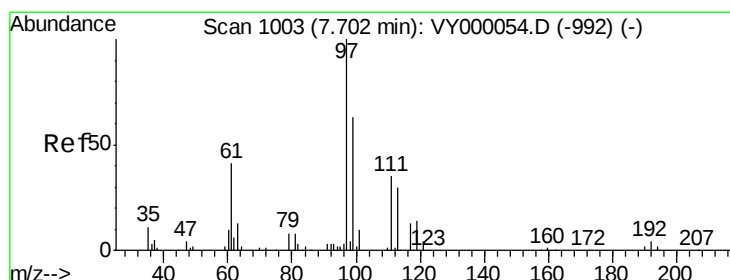
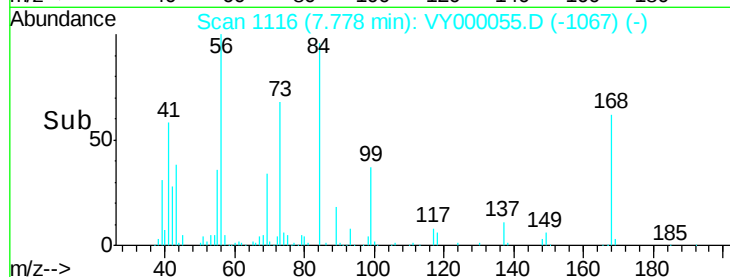
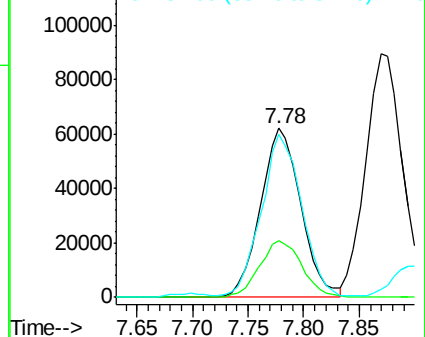
APPROVED

MMDadoda

9/19/2019 1:29:36 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: 92.357 ug/l

RT: 7.70 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

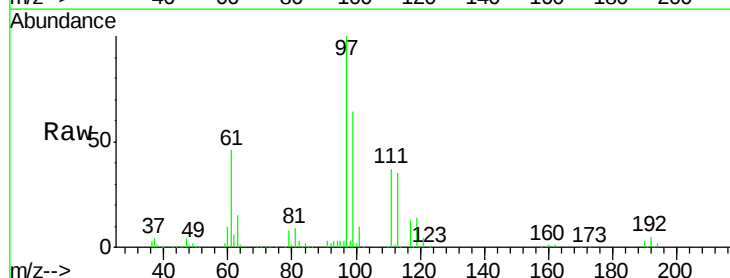
Tgt Ion: 97 Resp: 183640

Ion Ratio Lower Upper

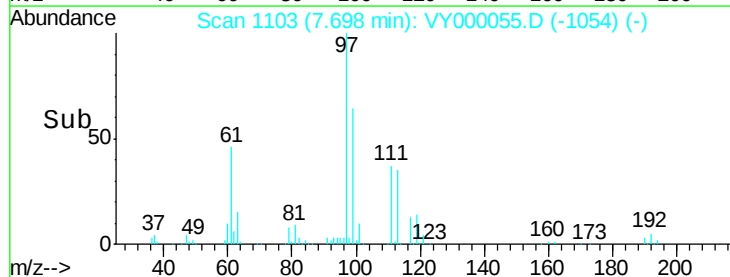
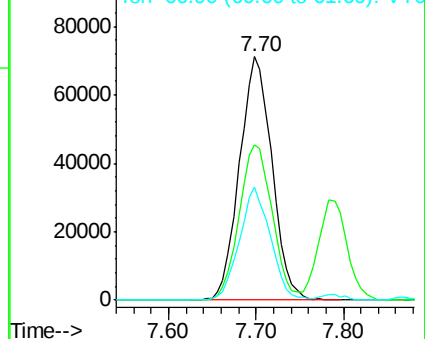
97 100

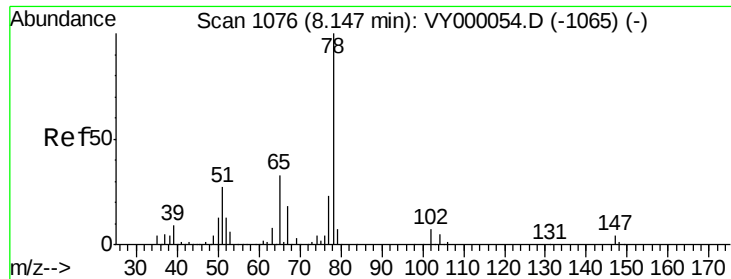
99 64.7 51.8 77.6

61 44.2 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





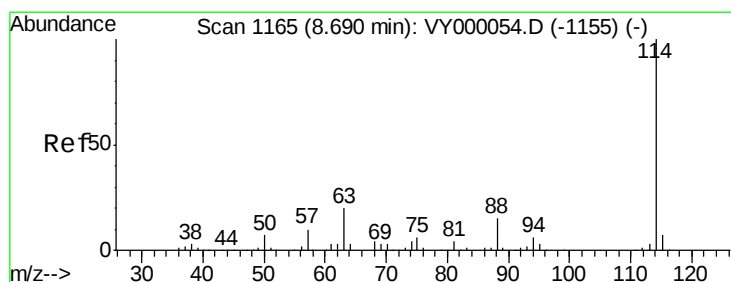
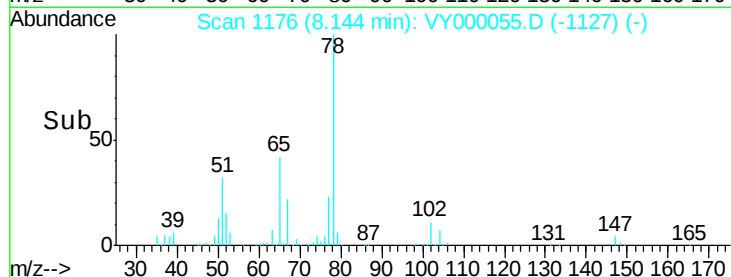
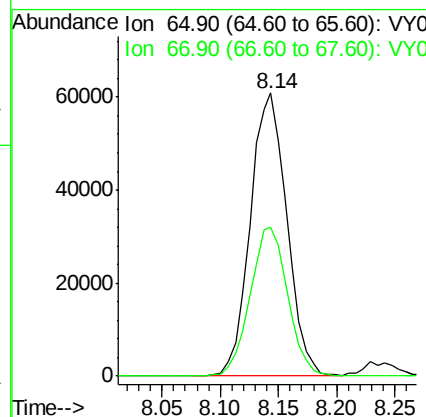
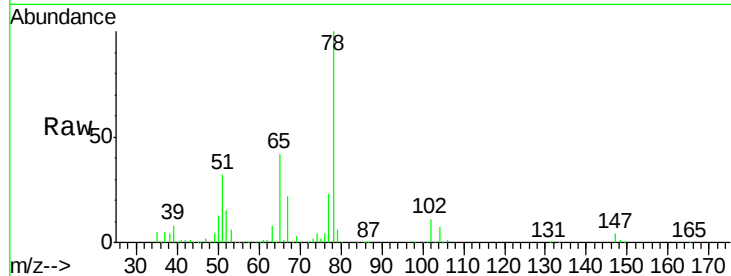
#33
 1,2-Dichloroethane-d4
 Concen: 94.275 ug/l
 RT: 8.14 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133317		
67	53.9	0.0	111.0	

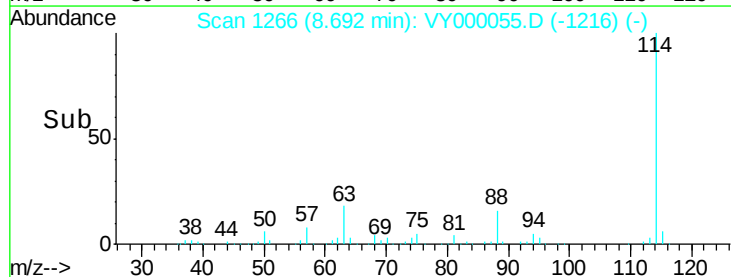
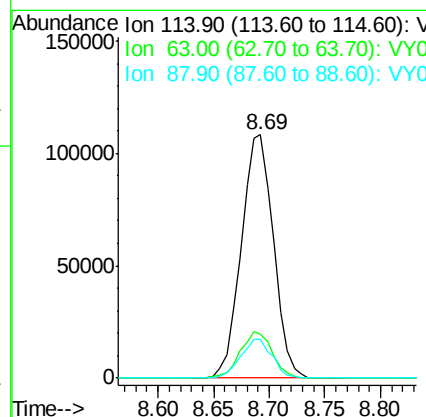
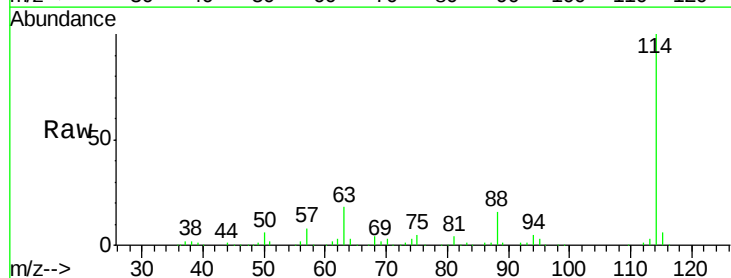
Manual Integrations
 APPROVED

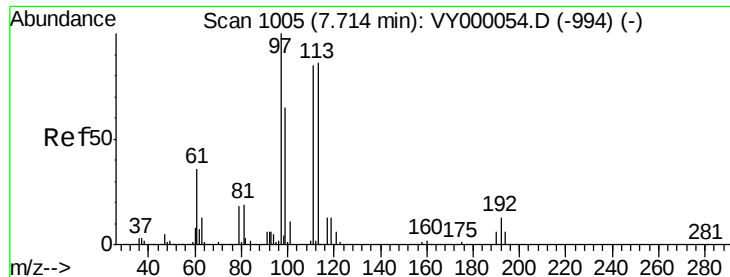
MMDadoda
 9/19/2019 1:29:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	216665		
63	18.2	0.0	39.4	
88	15.8	0.0	30.2	





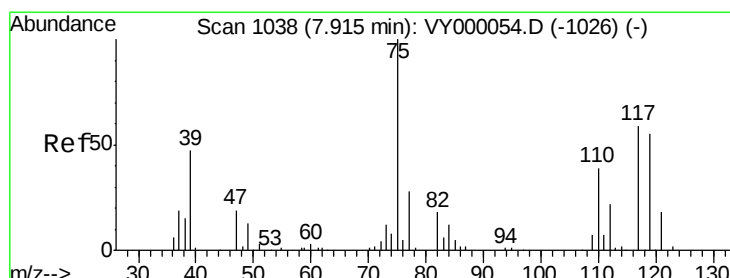
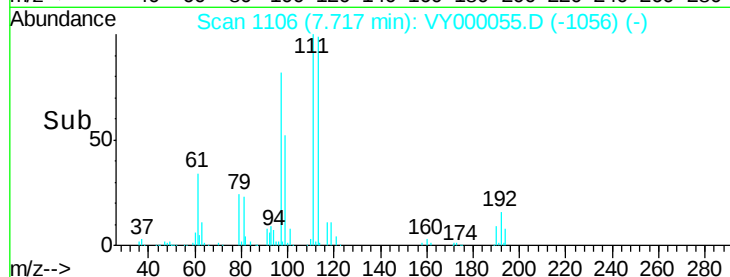
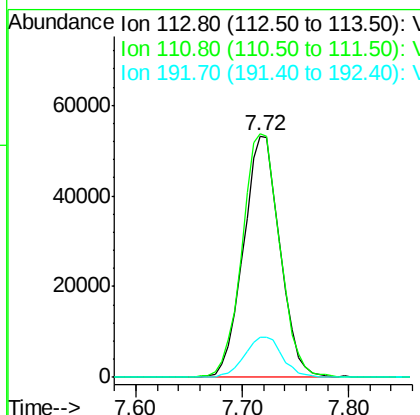
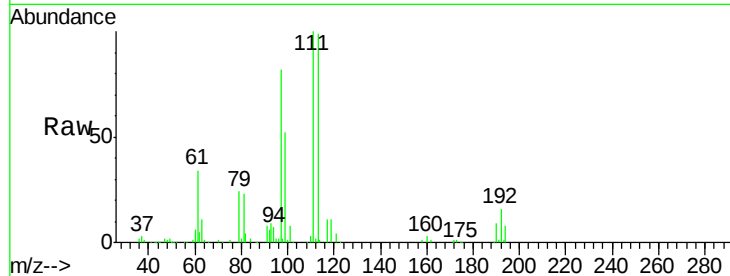
#35
 Dibromofluoromethane
 Concen: 91.941 ug/l
 RT: 7.72 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.7	122.5
192	17.2	13.4	20.2

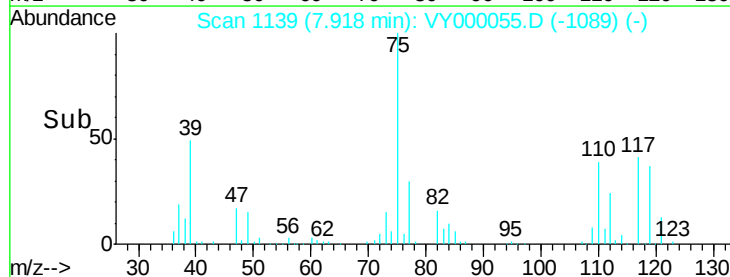
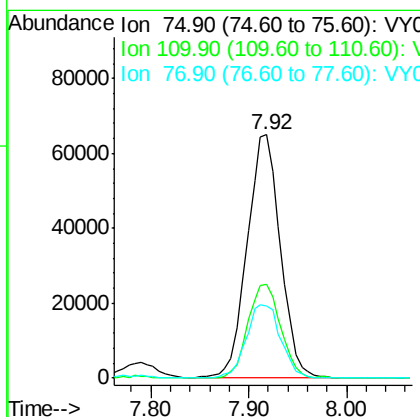
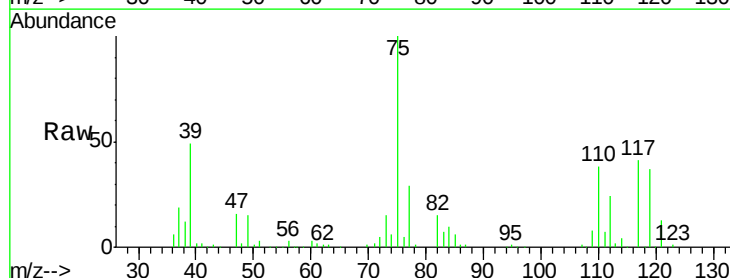
Manual Integrations
 APPROVED

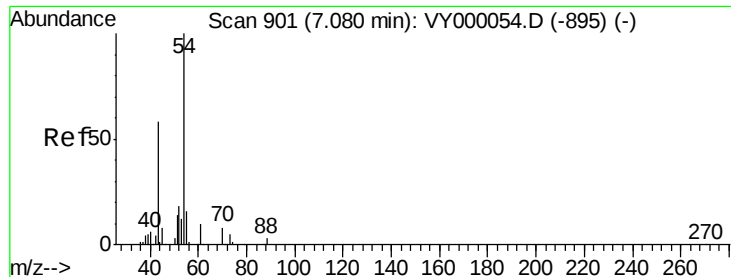
MMDadoda
 9/19/2019 1:29:36 AM



#36
 1,1-Dichloropropene
 Concen: 89.620 ug/l
 RT: 7.92 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.6	58.7
77	31.4	24.3	36.5





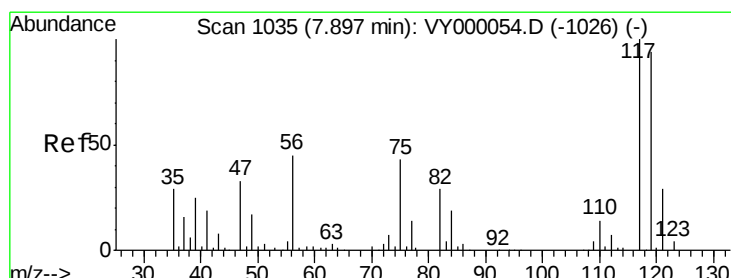
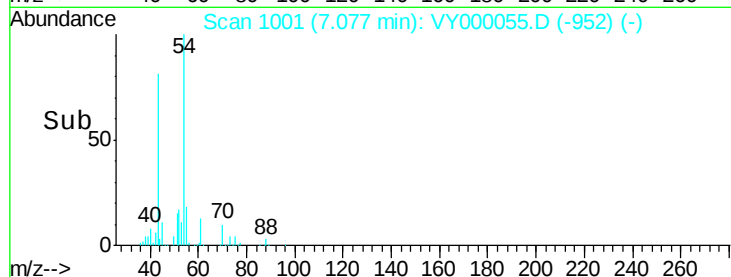
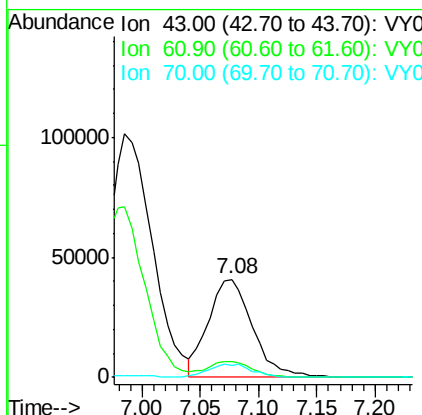
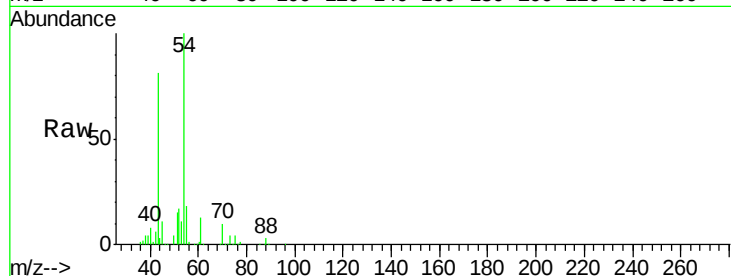
#37
Ethyl Acetate
Concen: 97.599 ug/l
RT: 7.08 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.1	21.1
70	13.8	10.6	15.8

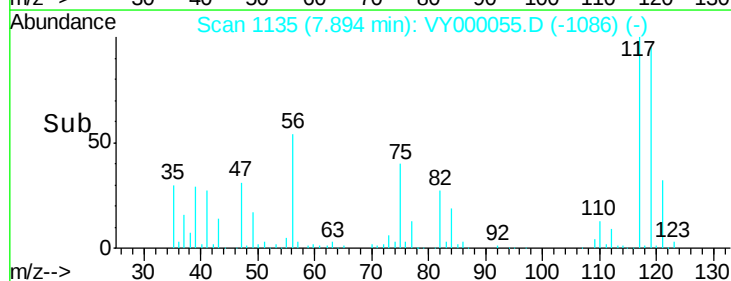
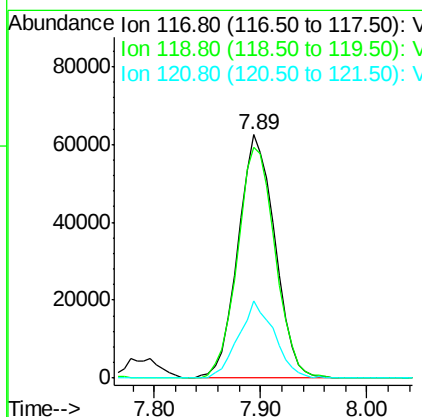
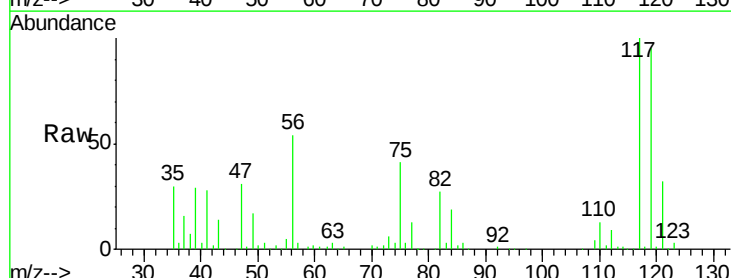
Manual Integrations
APPROVED

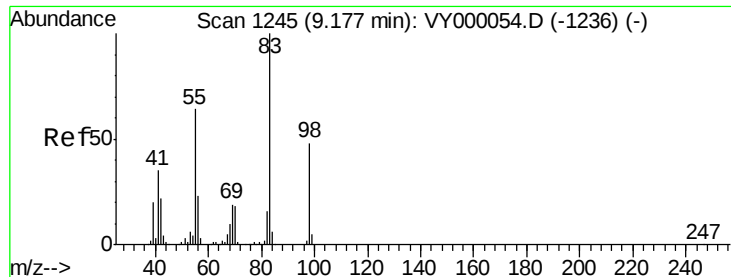
MMDadoda
9/19/2019 1:29:36 AM



#38
Carbon Tetrachloride
Concen: 97.542 ug/l
RT: 7.89 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.0	112.6
121	31.8	22.8	34.2





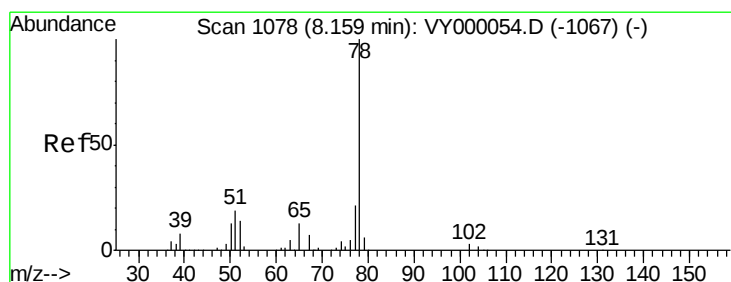
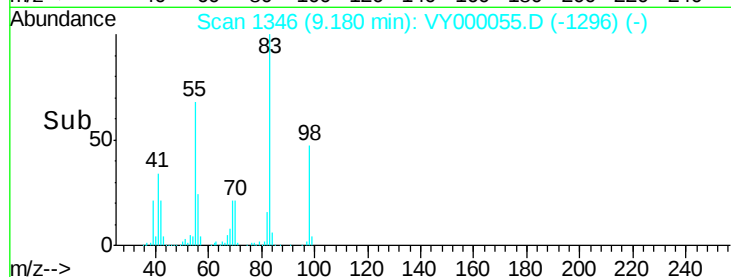
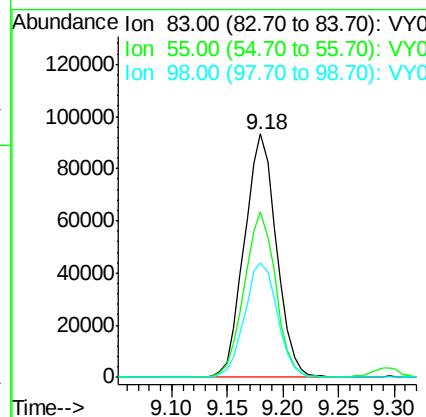
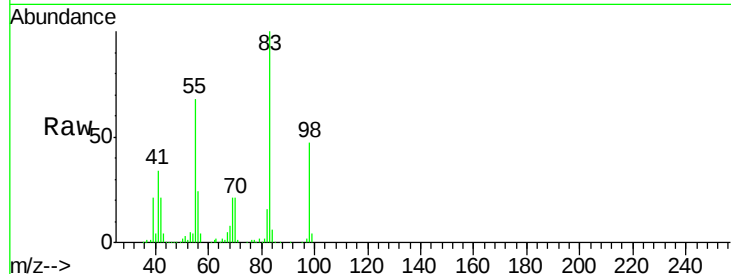
#39
Methvlcvclohexane
Concen: 90.174 ug/l
RT: 9.18 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.1	51.0	76.6
98	47.2	38.5	57.7

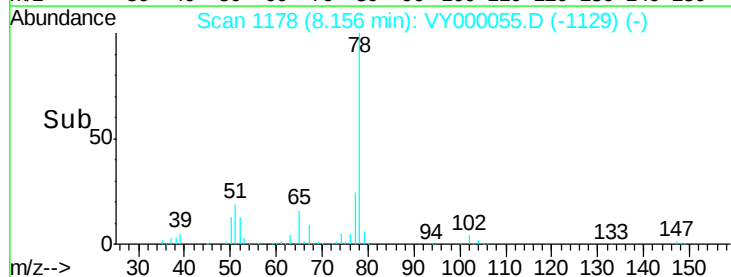
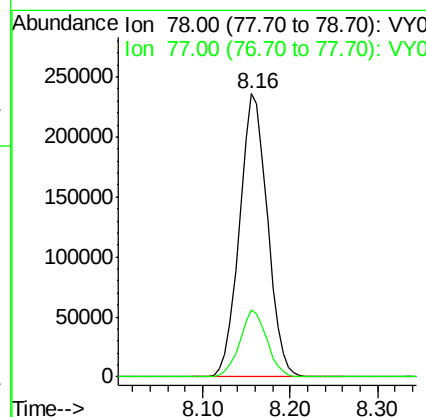
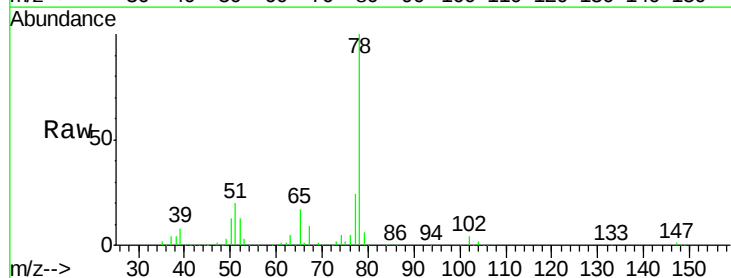
Manual Integrations
APPROVED

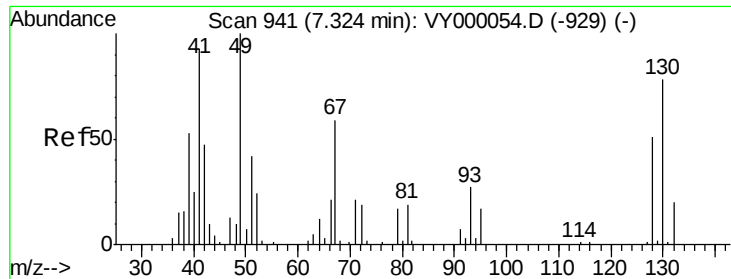
MMDadoda
9/19/2019 1:29:36 AM



#40
Benzene
Concen: 95.493 ug/l
RT: 8.16 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	16.8	25.2





#41

Methacrylonitrile

Concen: 129.873 ug/l m

RT: 7.33 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 77485

Ion Ratio Lower Upper

41 100

39 92.8 91.8 137.6

67 0.0 0.0 0.0

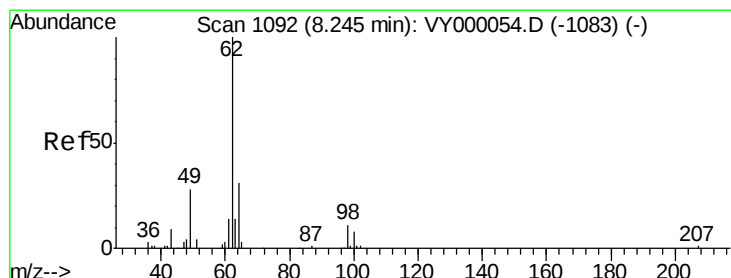
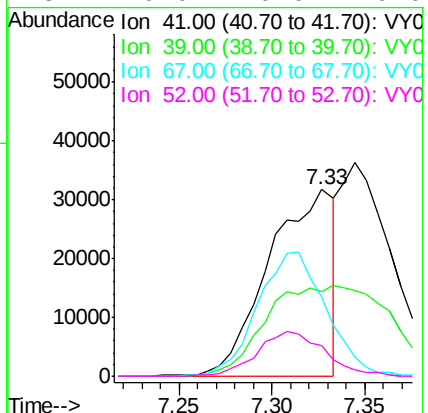
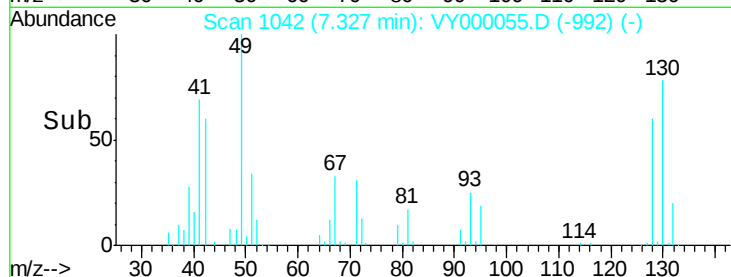
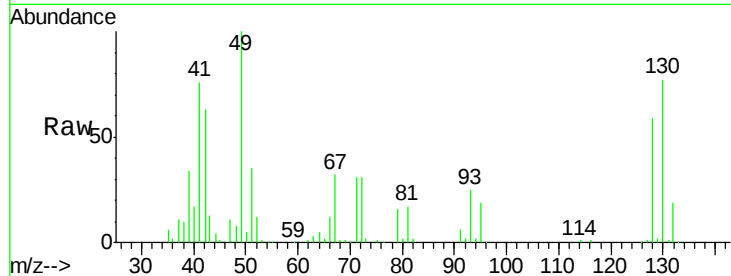
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:29:36 AM



#42

1,2-Dichloroethane

Concen: 98.476 ug/l

RT: 8.23 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VY000055.D

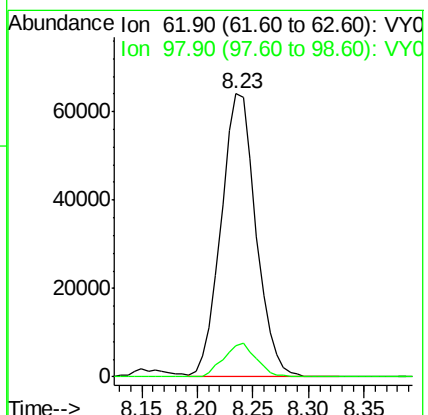
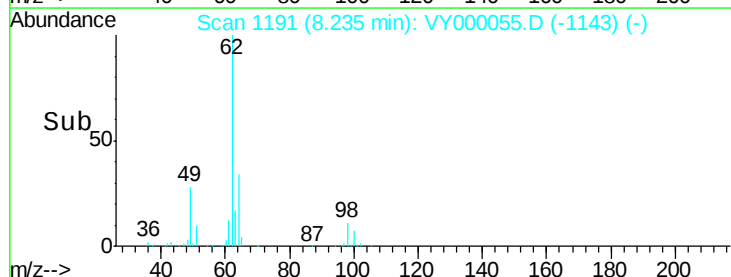
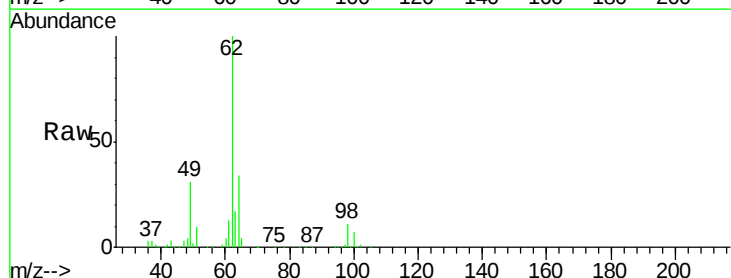
Acq: 17 Sep 2019 12:31

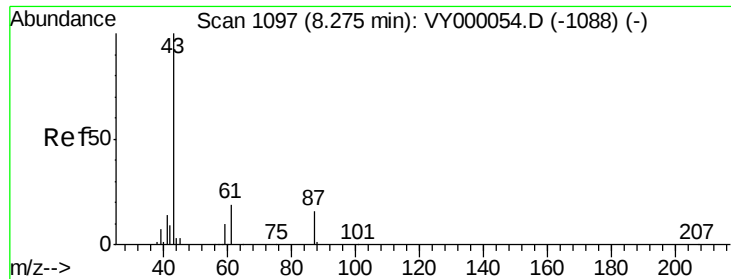
Tgt Ion: 62 Resp: 139211

Ion Ratio Lower Upper

62 100

98 11.1 0.0 23.6





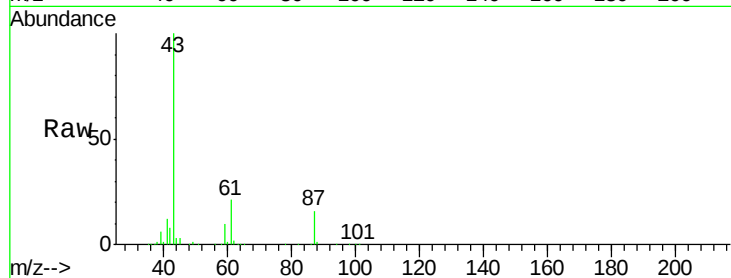
#43
Isopropyl Acetate
Concen: 99.407 ug/l
RT: 8.28 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

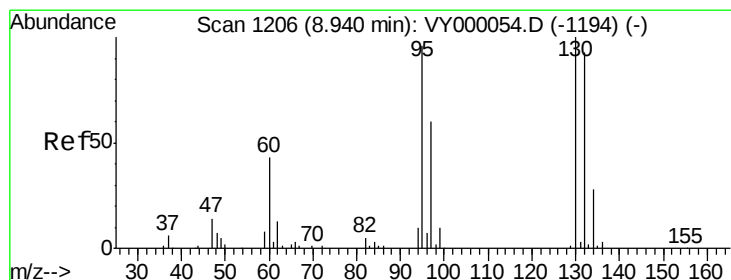
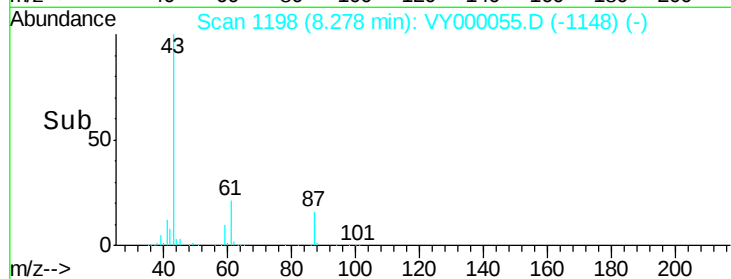
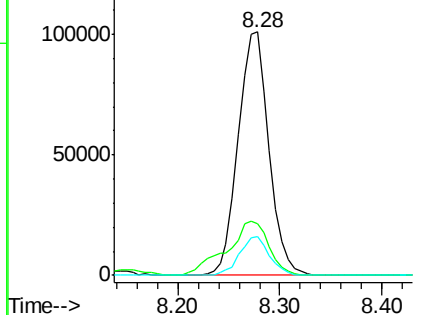
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.6	25.0	37.6
87	15.5	12.4	18.6

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:36 AM

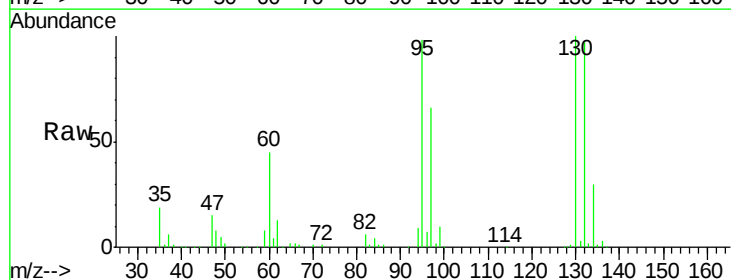


Abundance Ion 43.00 (42.70 to 43.70): VY000055.D (-1148) (-)
Ion 61.00 (60.70 to 61.70): VY000055.D (-1148) (-)
Ion 87.00 (86.70 to 87.70): VY000055.D (-1148) (-)

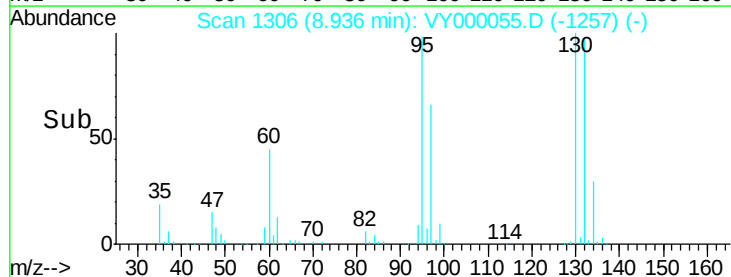
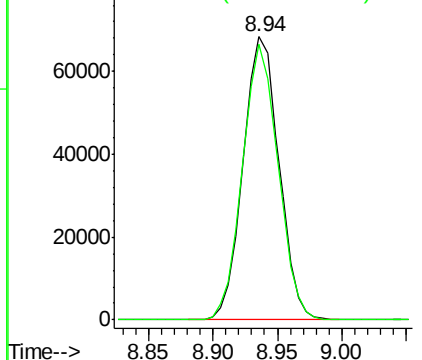


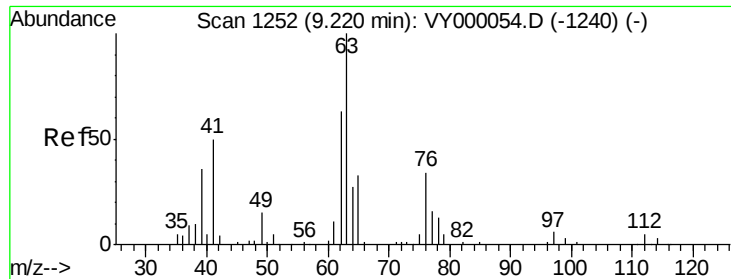
#44
Trichloroethene
Concen: 94.348 ug/l
RT: 8.94 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	192.0



Abundance Ion 129.80 (129.50 to 130.50): VY000055.D (-1257) (-)
Ion 94.90 (94.60 to 95.60): VY000055.D (-1257) (-)





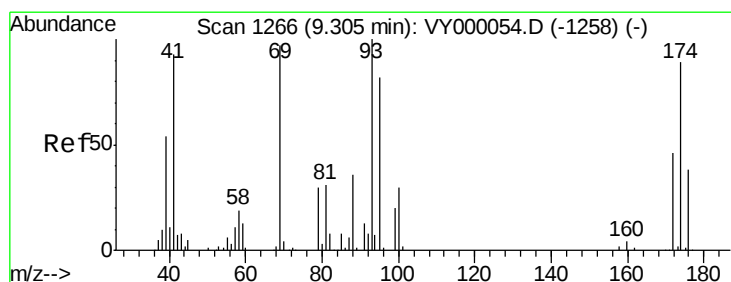
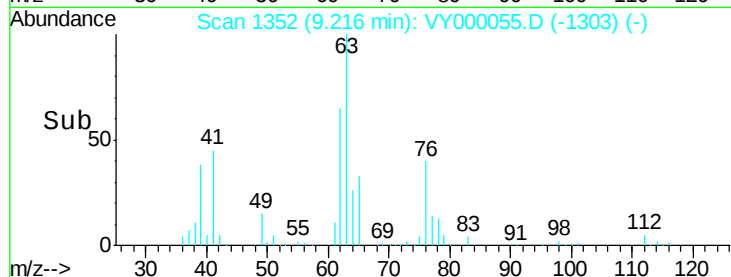
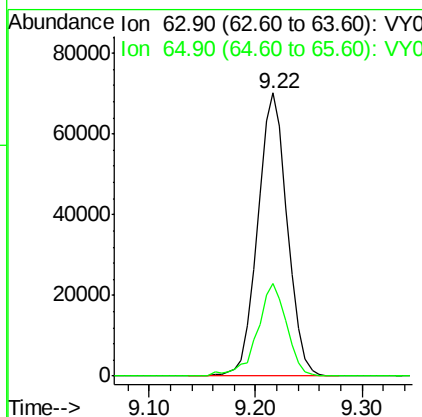
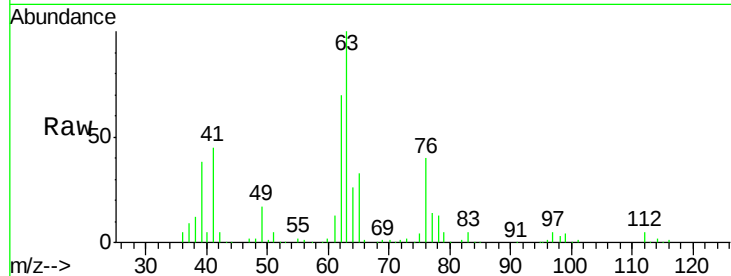
#45
 1,2-Dichloropropane
 Concen: 95.905 ug/l
 RT: 9.22 min Scan# 1352
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 136287
 Ion Ratio Lower Upper
 63 100
 65 32.8 26.2 39.4

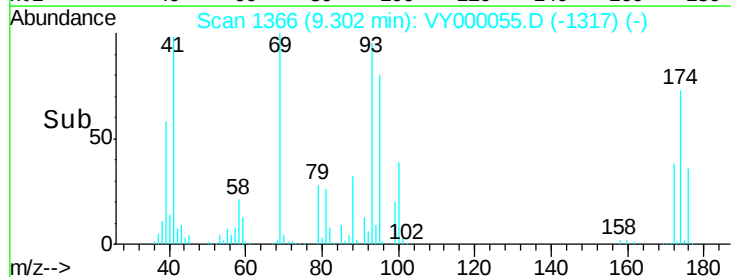
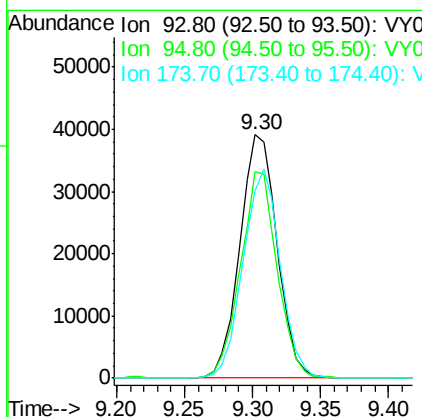
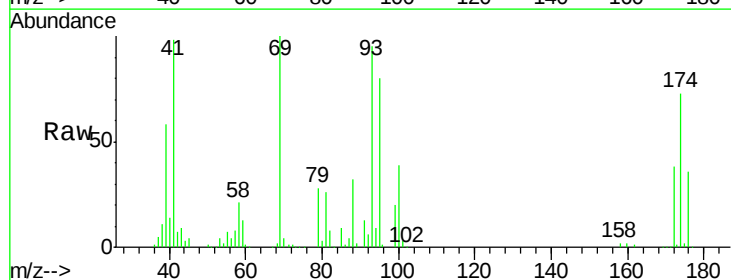
Manual Integrations
 APPROVED

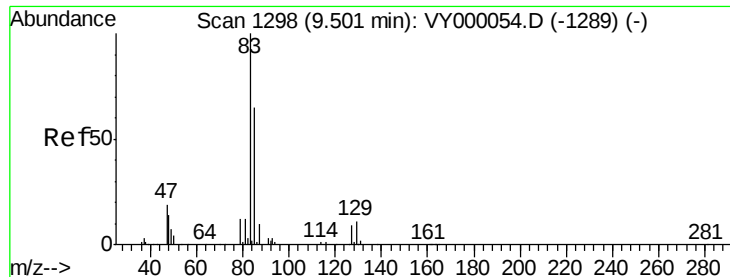
MMDadoda
 9/19/2019 1:29:36 AM



#46
 Dibromomethane
 Concen: 97.408 ug/l
 RT: 9.30 min Scan# 1366
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion: 93 Resp: 75033
 Ion Ratio Lower Upper
 93 100
 95 83.7 68.1 102.1
 174 85.2 67.8 101.6





#47

Bromodichloromethane

Concen: 95.862 ug/l

RT: 9.50 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

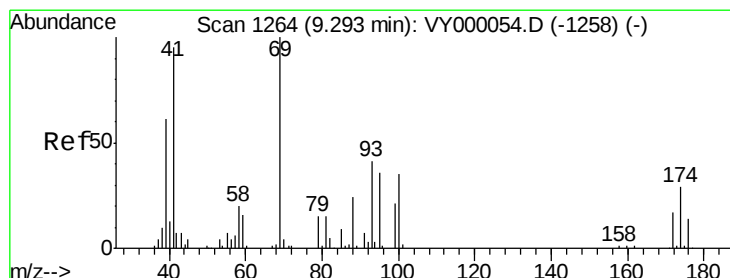
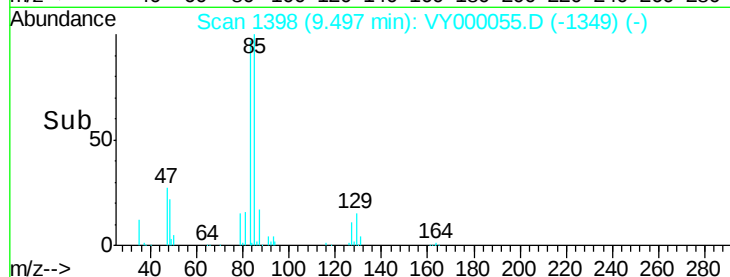
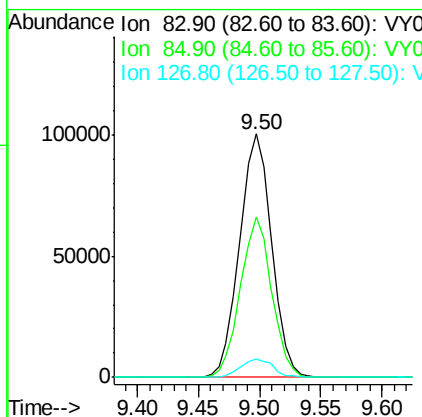
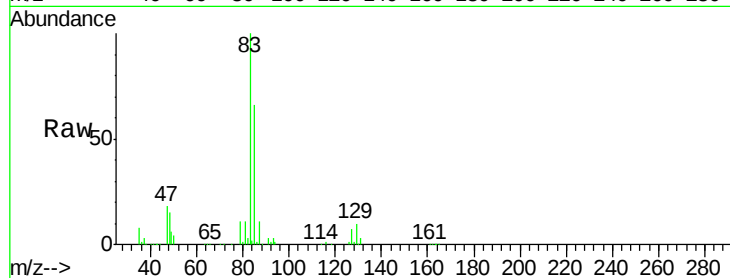
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	183107
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.3	78.5
127	7.5	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:36 AM



#48

Methyl methacrylate

Concen: 95.668 ug/l

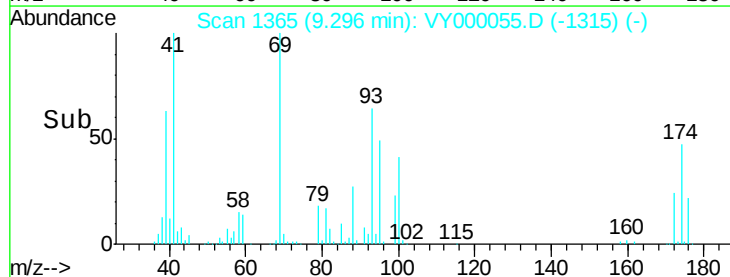
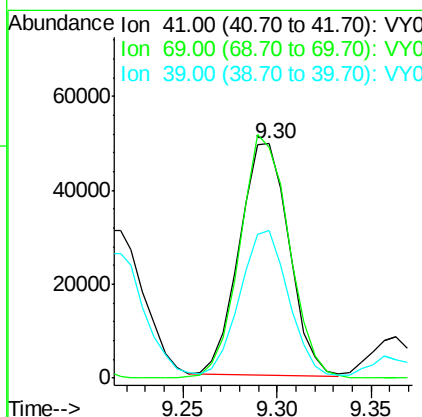
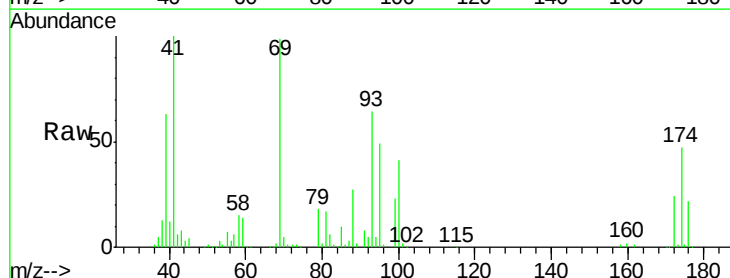
RT: 9.30 min Scan# 1365

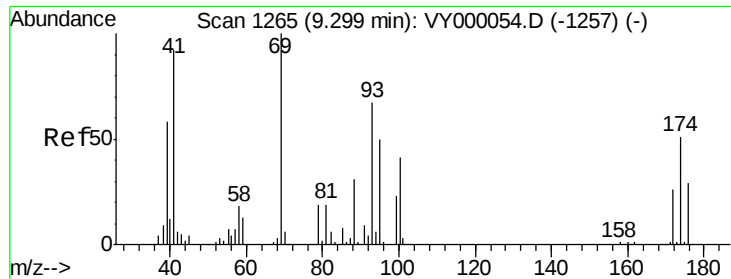
Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion:	41	Resp:	90491
Ion Ratio	Lower	Upper	
41	100		
69	103.9	78.1	117.1
39	63.0	49.4	74.0





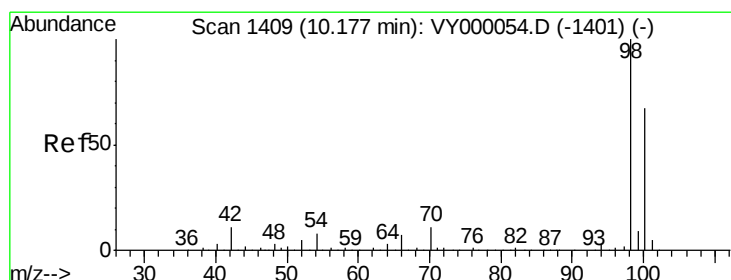
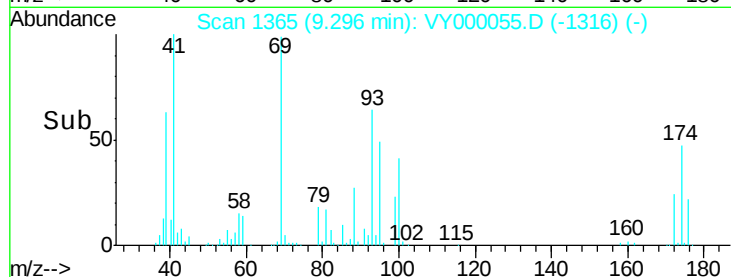
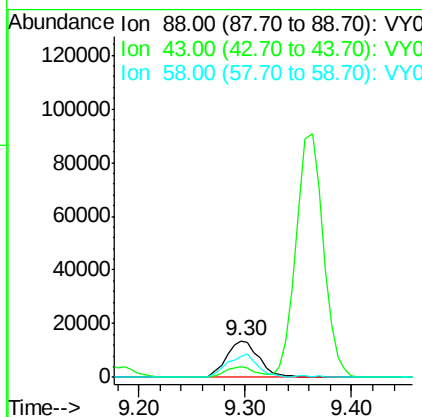
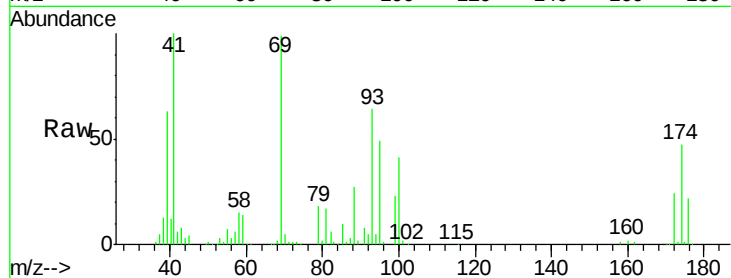
#49
1,4-Dioxane
Concen: 1977.373 ug/l
RT: 9.30 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	29018
Ion Ratio	Lower	Upper	
88	100		
43	27.4	18.7	28.1
58	59.6	53.0	79.6

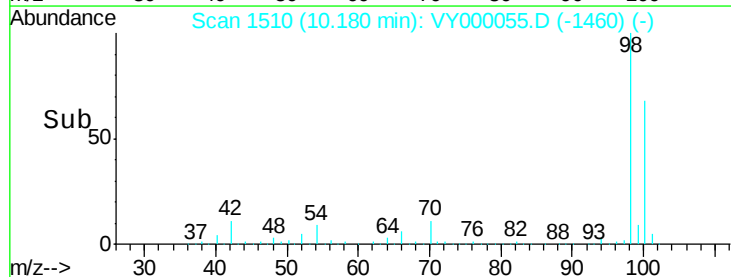
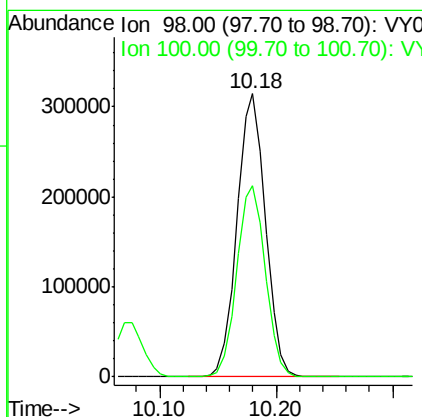
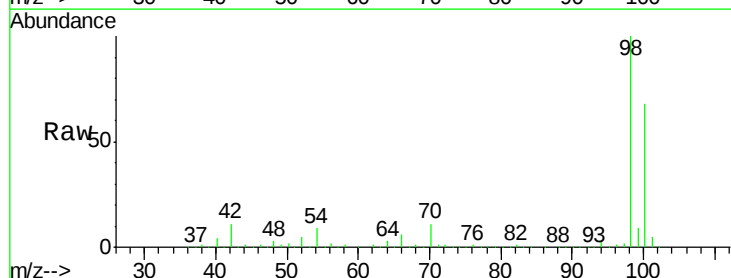
Manual Integrations
APPROVED

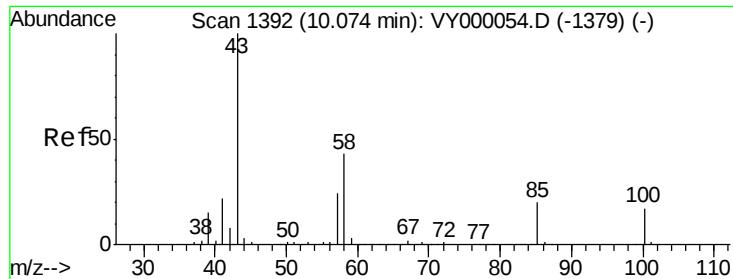
MMDadoda
9/19/2019 1:29:36 AM



#50
Toluene-d8
Concen: 100.270 ug/l
RT: 10.18 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	98	Resp	535481
Ion Ratio	Lower	Upper	
98	100		
100	68.0	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 499.170 ug/l

RT: 10.07 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 581176

Ion Ratio Lower Upper

43 100

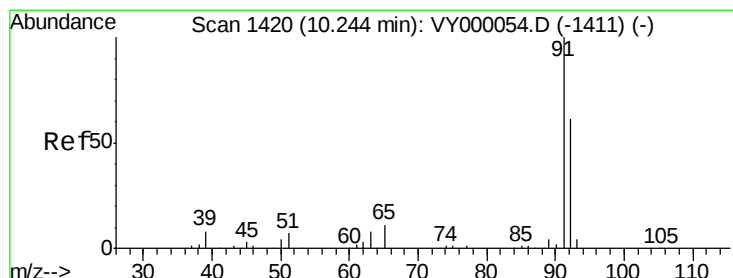
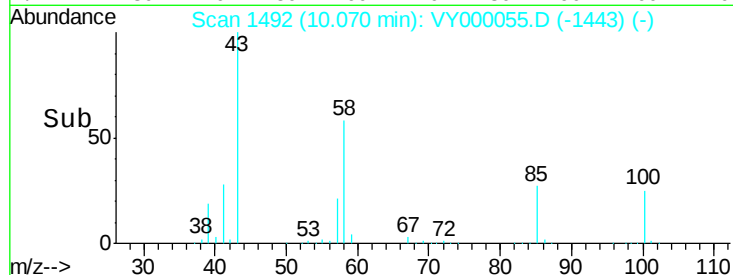
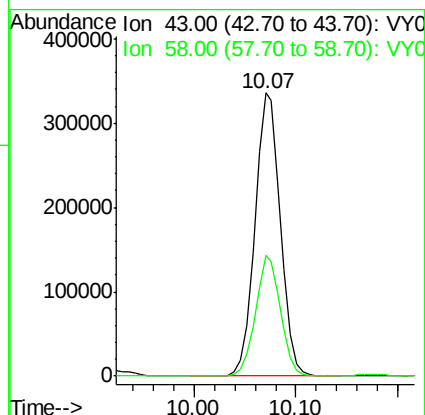
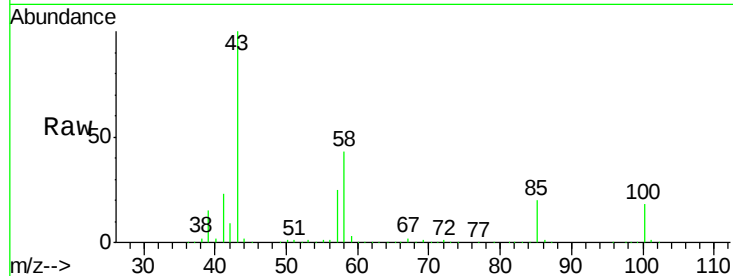
58 41.8 34.2 51.2

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:29:36 AM



#52

Toluene

Concen: 96.845 ug/l

RT: 10.24 min Scan# 1520

Delta R.T. -0.00 min

Lab File: VY000055.D

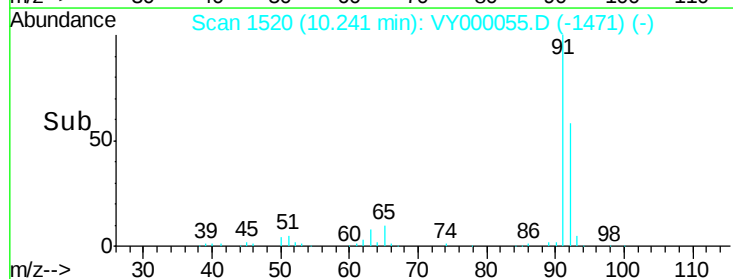
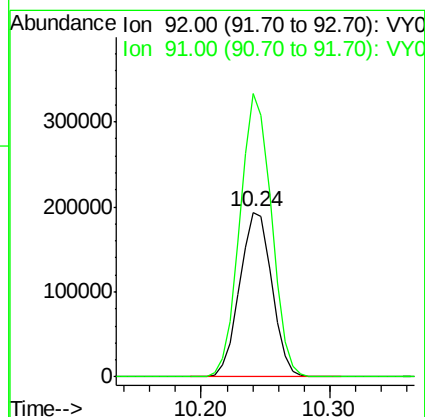
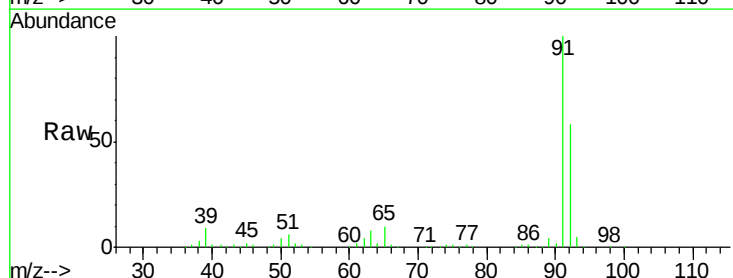
Acq: 17 Sep 2019 12:31

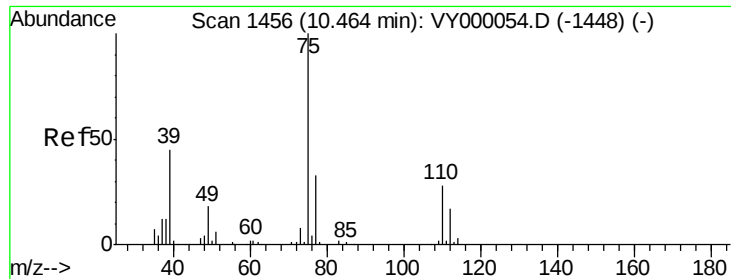
Tgt Ion: 92 Resp: 333640

Ion Ratio Lower Upper

92 100

91 169.3 135.8 203.6





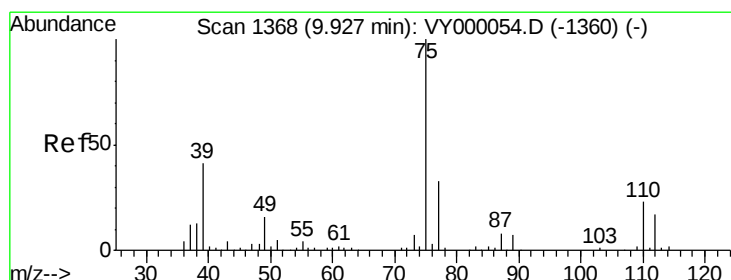
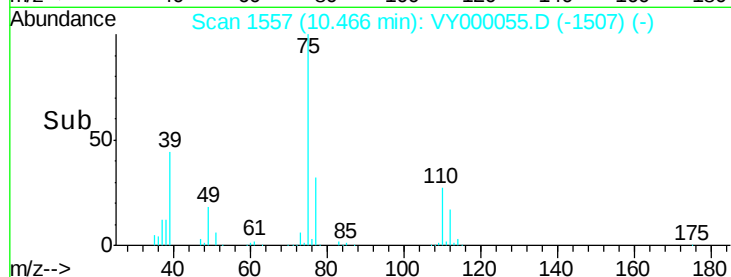
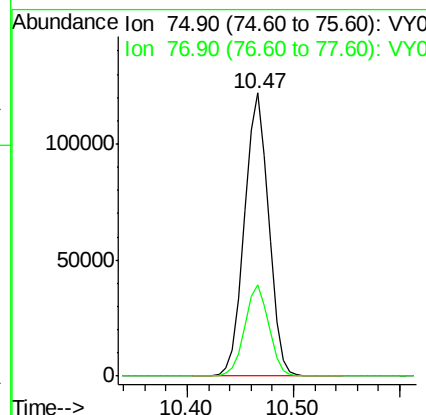
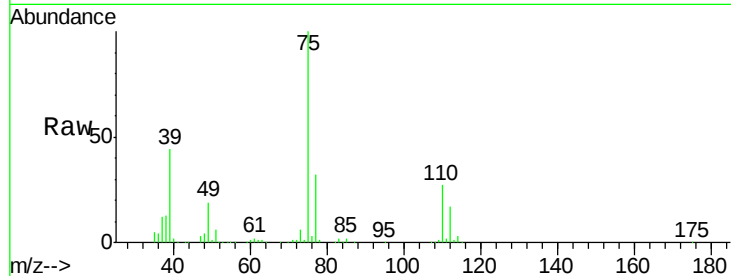
#53
 t-1,3-Dichloropropene
 Concen: 98.814 ug/l
 RT: 10.47 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC100

Tot Ion: 75 Resp: 195802
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2

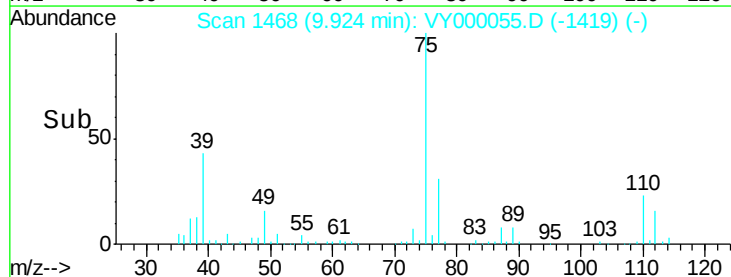
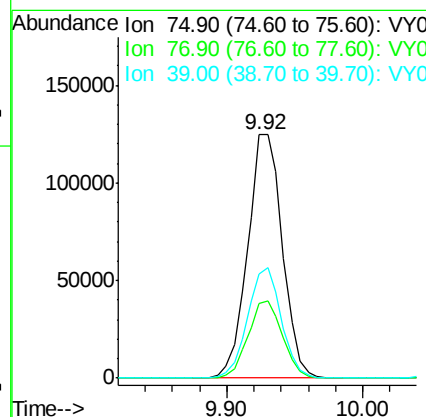
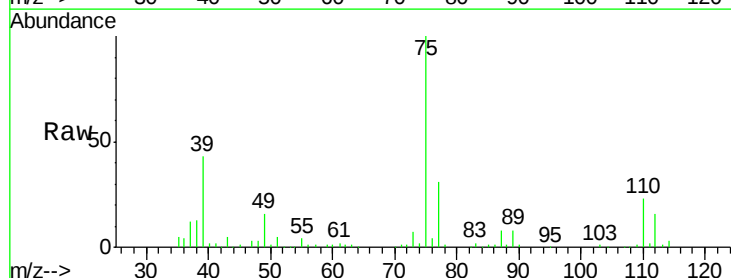
Manual Integrations
 APPROVED

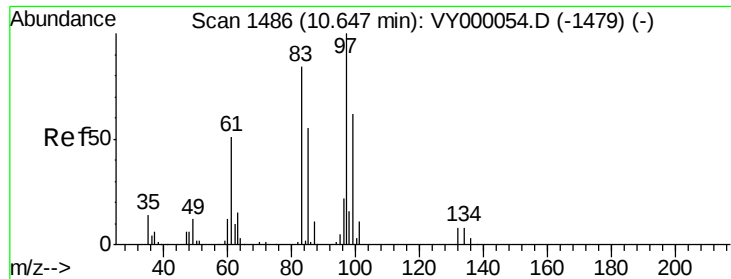
MMDadoda
 9/19/2019 1:29:36 AM



#54
 cis-1,3-Dichloropropene
 Concen: 98.066 ug/l
 RT: 9.92 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion: 75 Resp: 222801
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.1 39.1
 39 42.7 33.1 49.7





#55

1,1,2-Trichloroethane

Concen: 101.249 ug/l

RT: 10.64 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC100

Tot Ion: 97 Resp: 121458

Ion Ratio Lower Upper

97 100

83 84.5 67.3 100.9

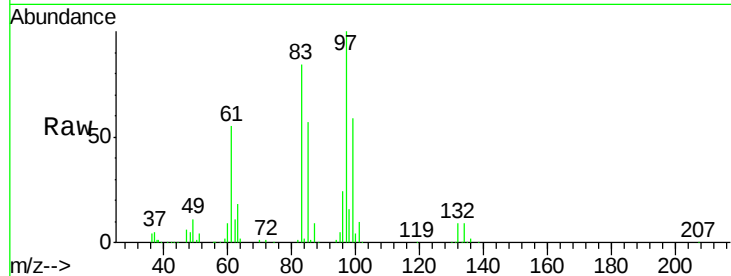
85 57.0 43.6 65.4

99 59.3 49.8 74.6

Manual Integrations
APPROVED

MMDadoda

9/19/2019 1:29:36 AM

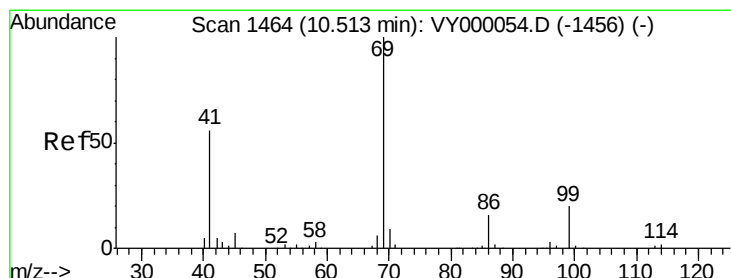
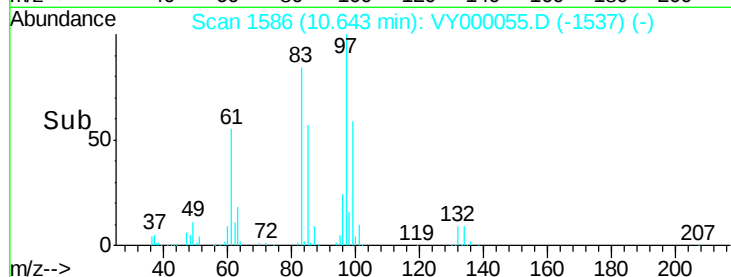
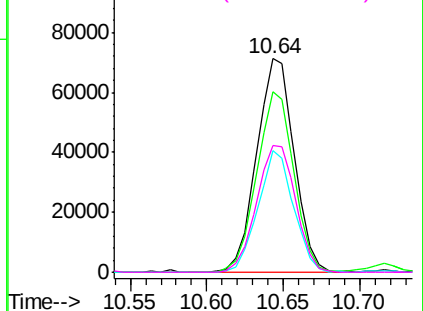


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 101.238 ug/l

RT: 10.51 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

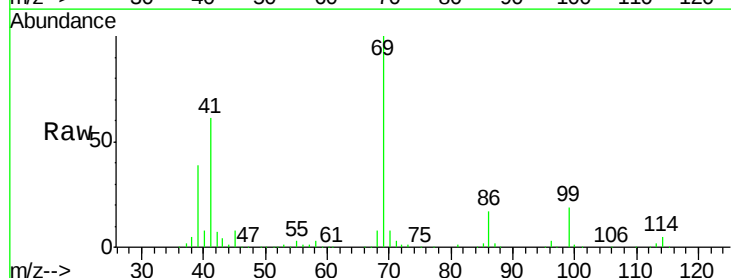
Tgt Ion: 69 Resp: 169675

Ion Ratio Lower Upper

69 100

41 57.2 45.6 68.4

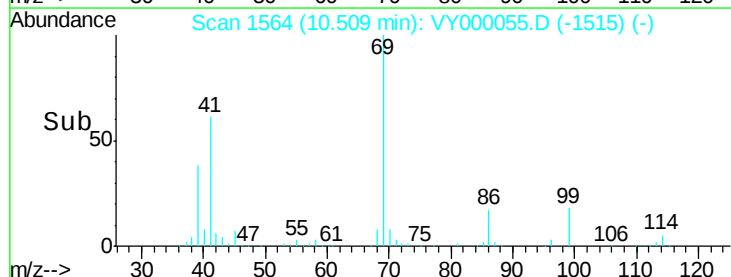
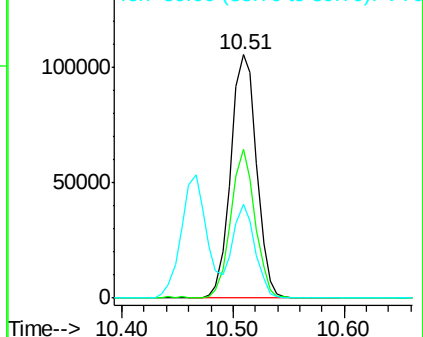
39 33.4 27.3 40.9

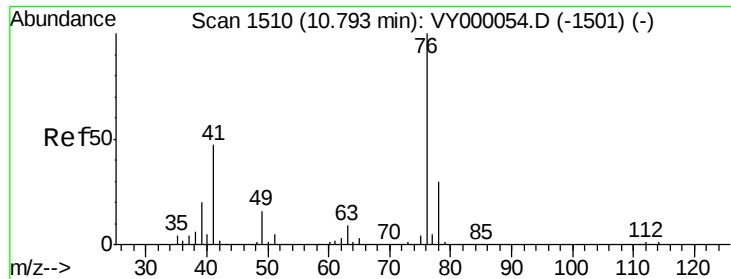


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





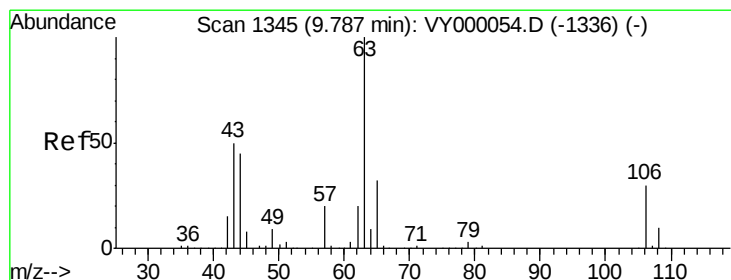
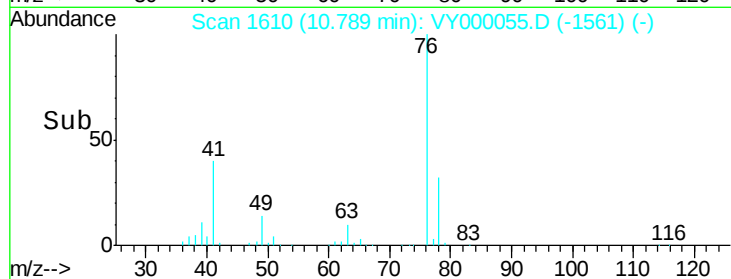
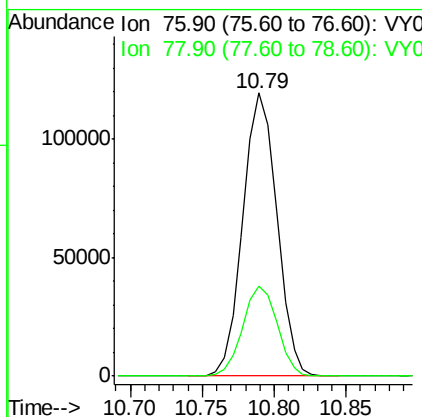
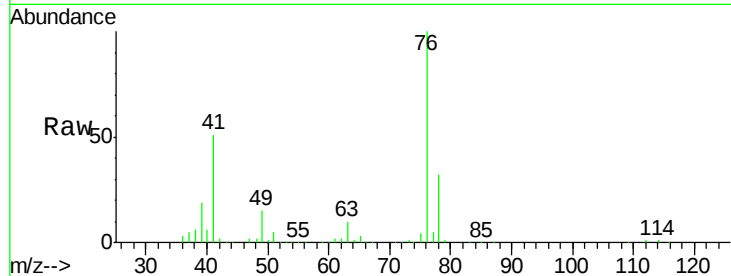
#57
 1,3-Dichloropropane
 Concen: 95.935 ug/l
 RT: 10.79 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.6	40.0

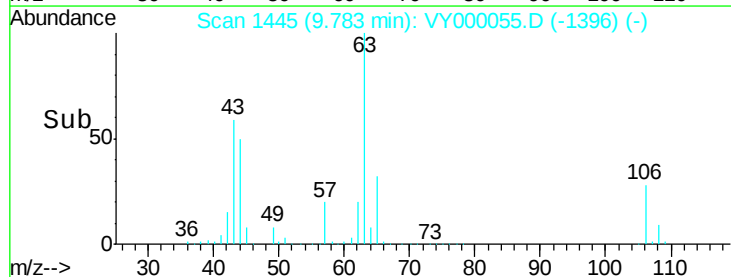
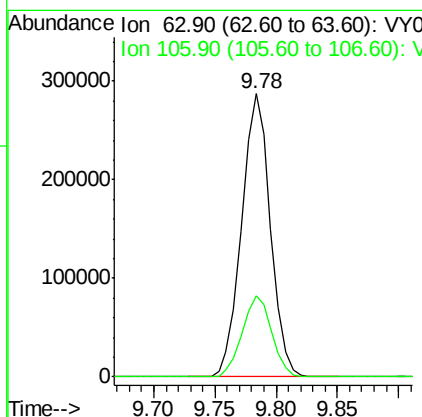
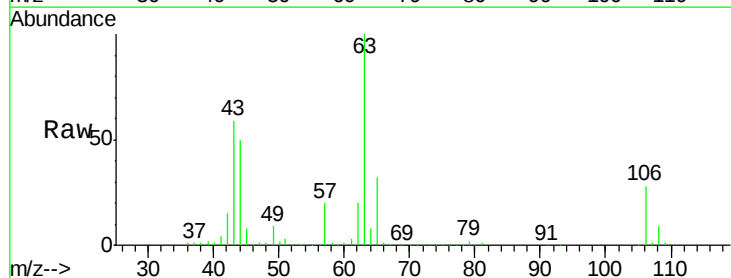
Manual Integrations
 APPROVED

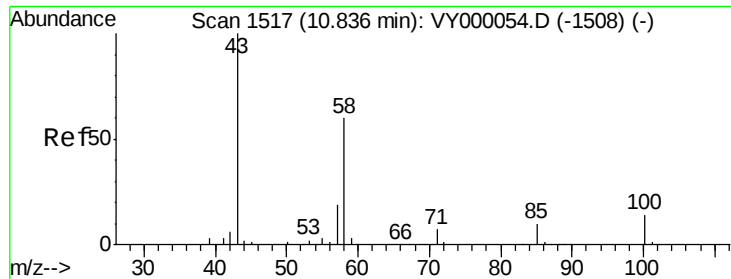
MMDadoda
 9/19/2019 1:29:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 507.821 ug/l
 RT: 9.78 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.3	34.9





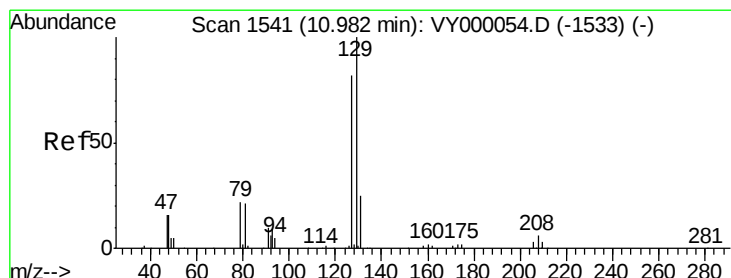
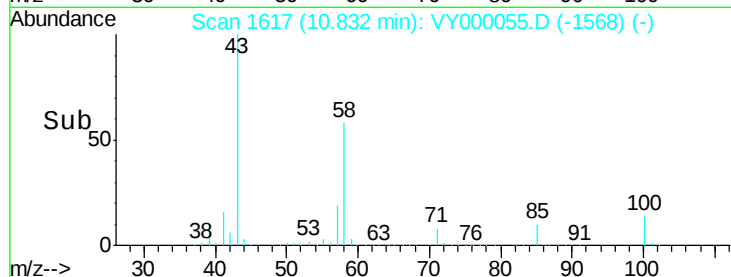
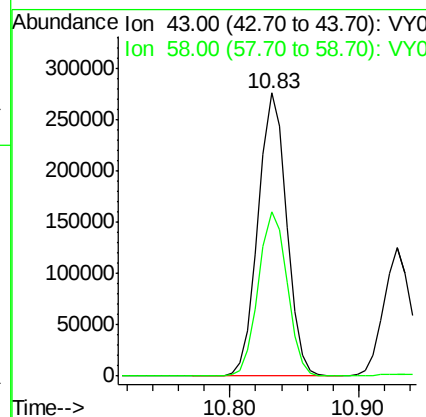
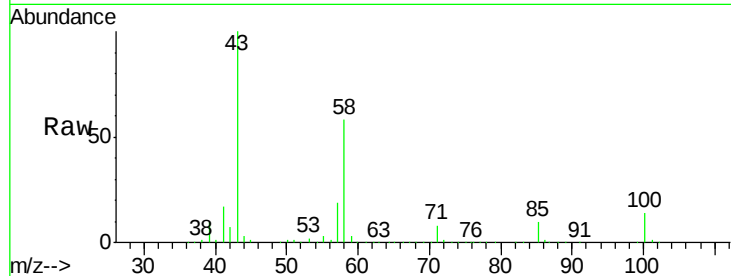
#59
2-Hexanone
Concen: 501.470 ug/l
RT: 10.83 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	43	Resp	421524
Ion Ratio	100	Lower	Upper
43	100		
58	58.7	29.9	89.7

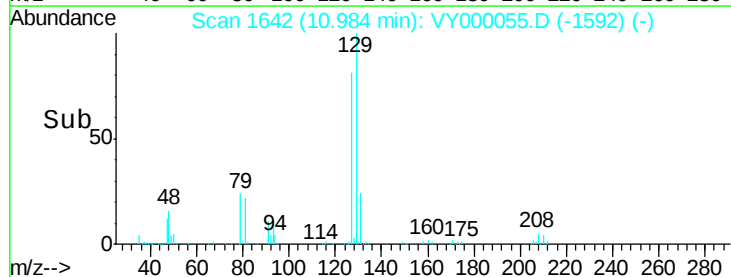
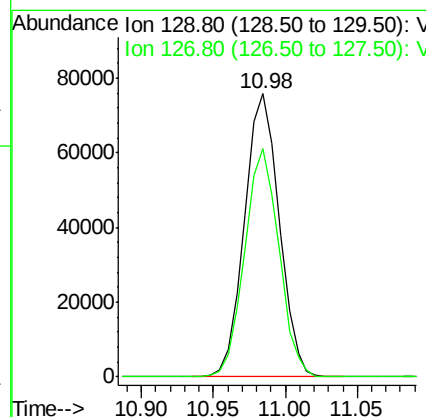
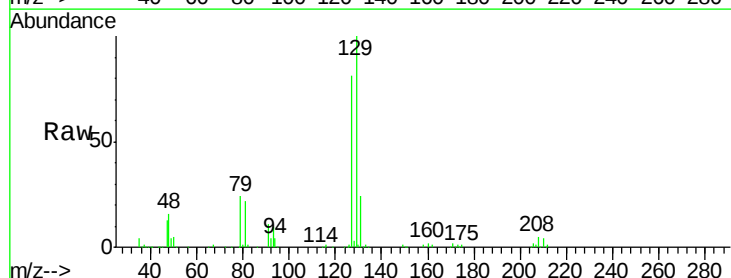
Manual Integrations
APPROVED

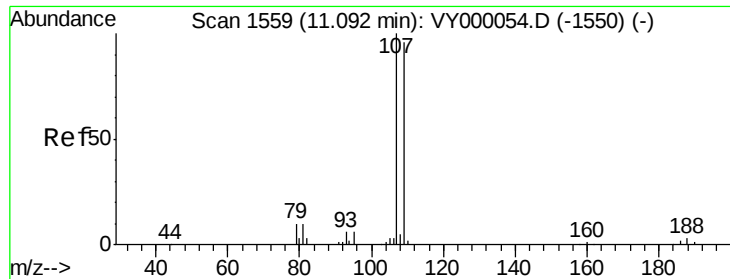
MMDadoda
9/19/2019 1:29:36 AM



#60
Dibromochloromethane
Concen: 100.365 ug/l
RT: 10.98 min Scan# 1642
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	129	Resp	126593
Ion Ratio	100	Lower	Upper
129	100		
127	79.6	40.2	120.6





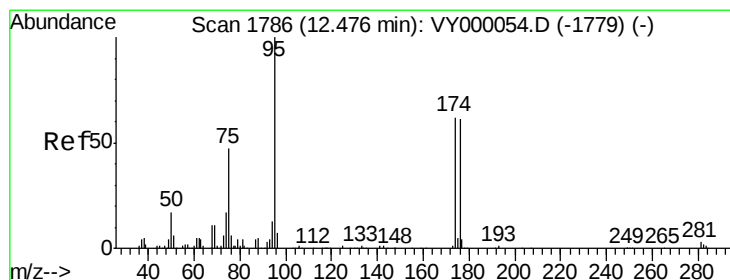
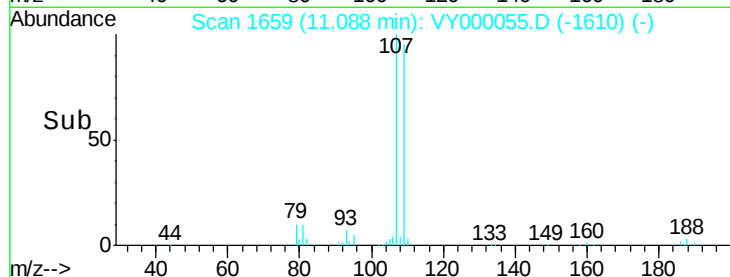
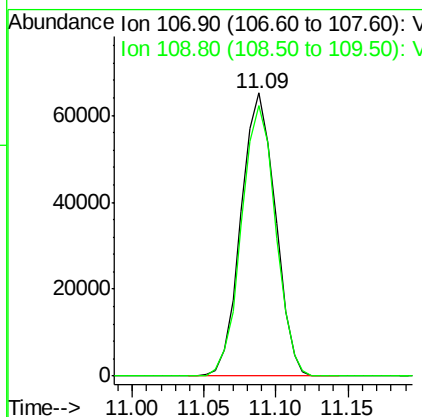
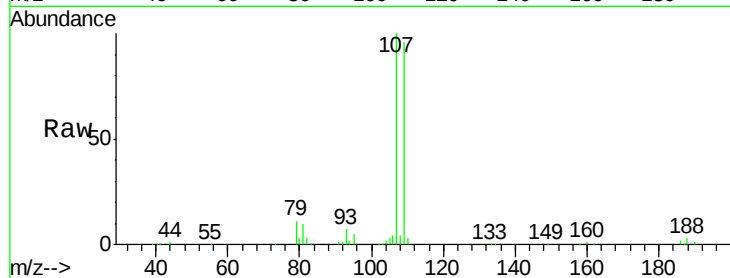
#61
 1,2-Dibromoethane
 Concen: 96.284 ug/l
 RT: 11.09 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.0	112.6

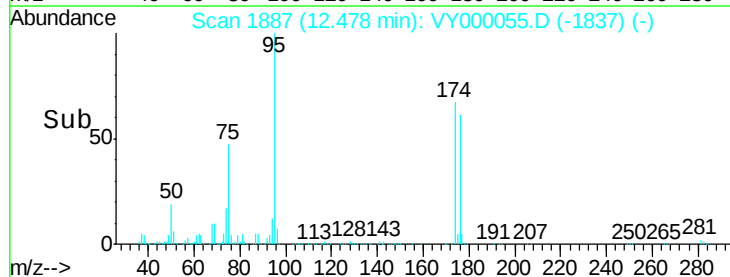
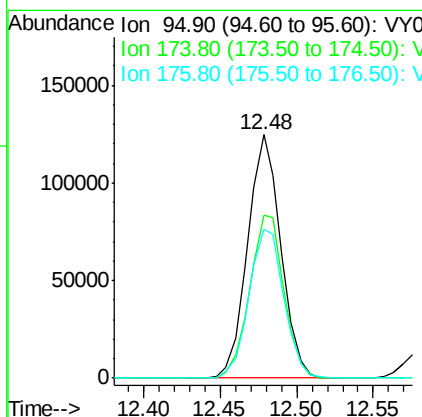
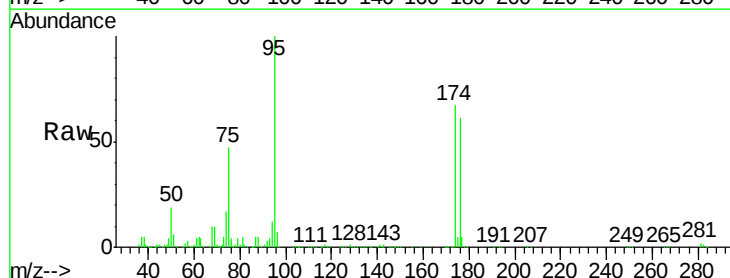
Manual Integrations
 APPROVED

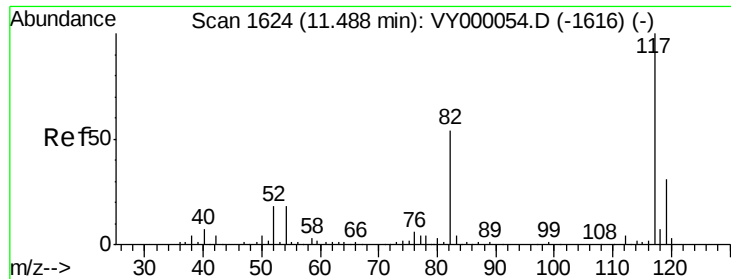
MMDadoda
 9/19/2019 1:29:36 AM



#62
 4-Bromofluorobenzene
 Concen: 92.889 ug/l
 RT: 12.48 min Scan# 1887
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	137.2
176	64.4	0.0	135.0





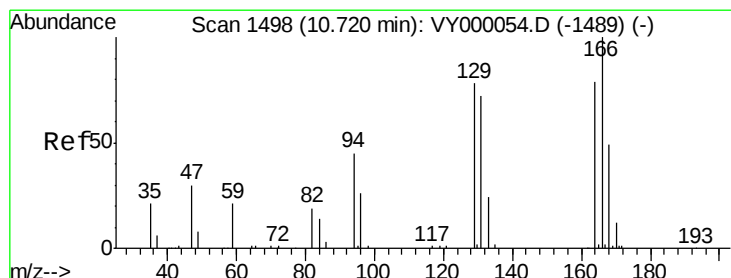
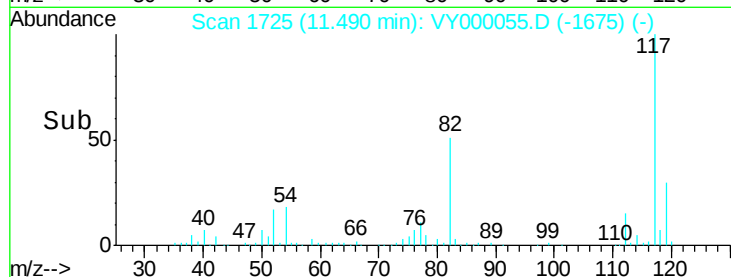
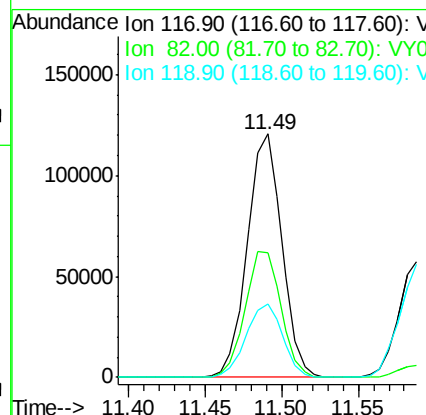
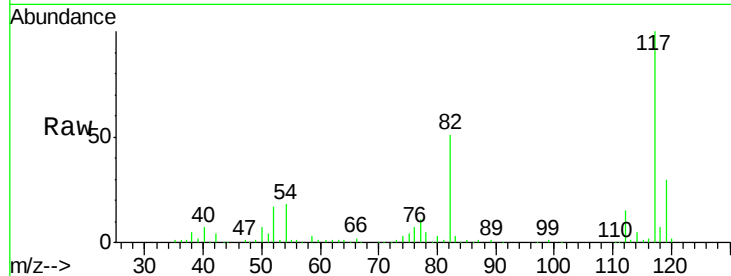
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1725
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	43.5	65.3
119	30.2	24.6	36.8

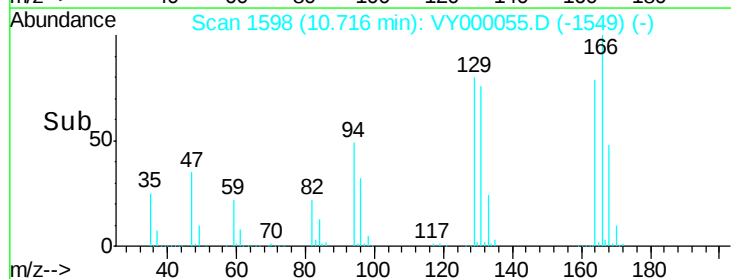
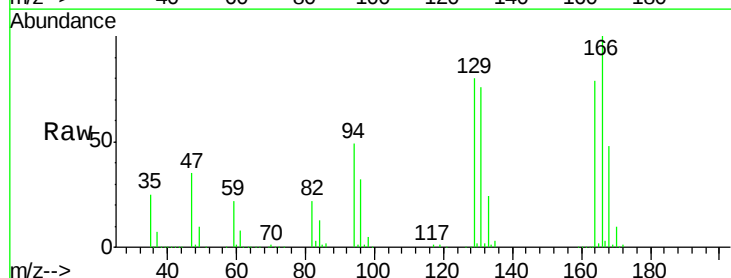
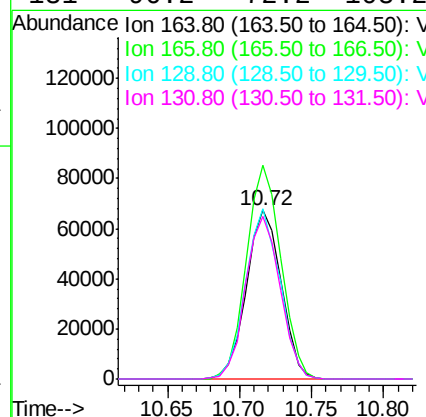
Manual Integrations
APPROVED

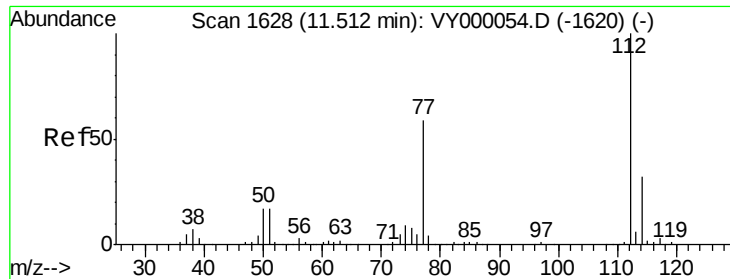
MMDadoda
9/19/2019 1:29:36 AM



#64
Tetrachloroethene
Concen: 91.374 ug/l
RT: 10.72 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.9	151.3
129	100.9	78.4	117.6
131	96.2	72.2	108.2





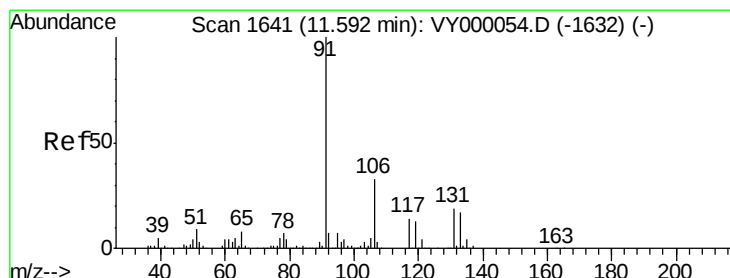
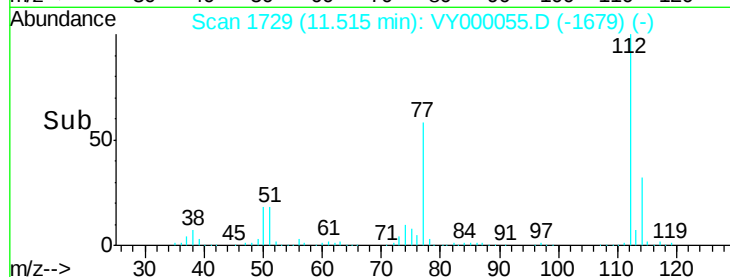
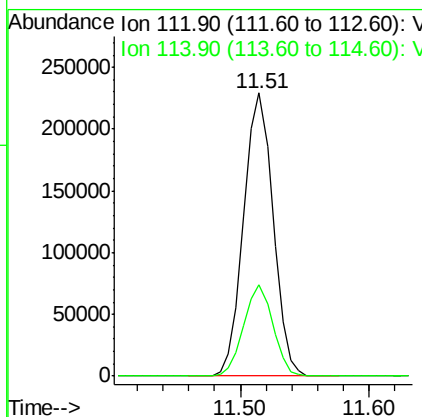
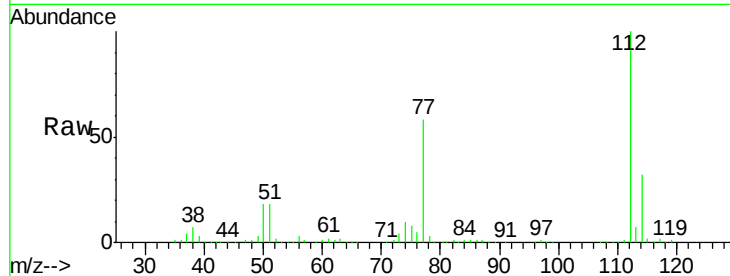
#65
Chlorobenzene
Concen: 94.889 ug/l
RT: 11.51 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

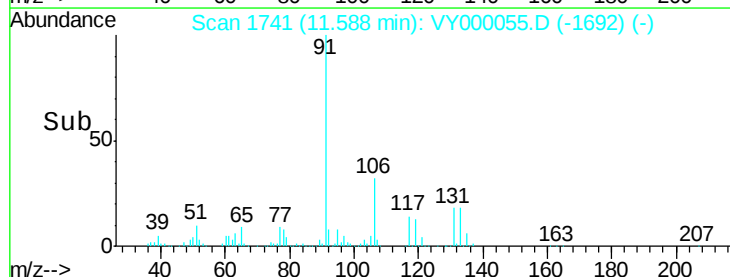
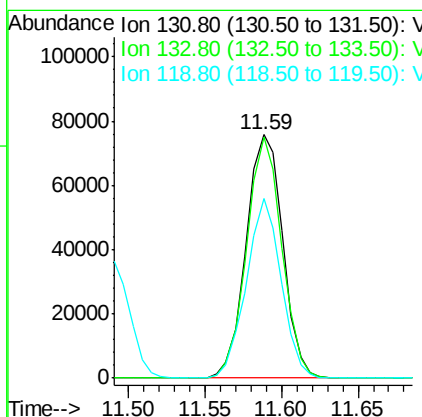
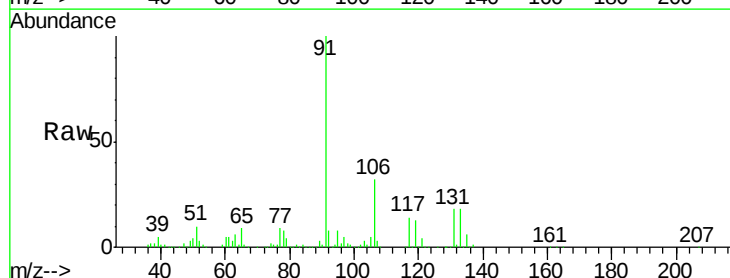
Manual Integrations
APPROVED

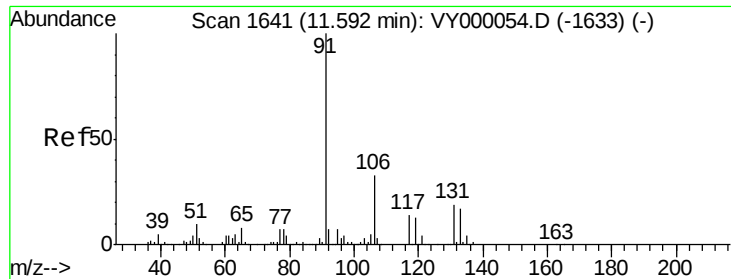
MMDadoda
9/19/2019 1:29:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 98.427 ug/l
RT: 11.59 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	46.6	139.8
119	70.2	36.2	108.6





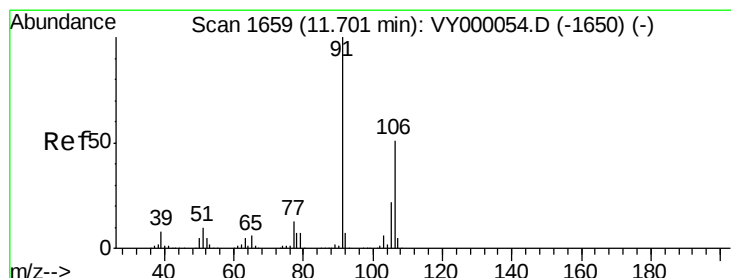
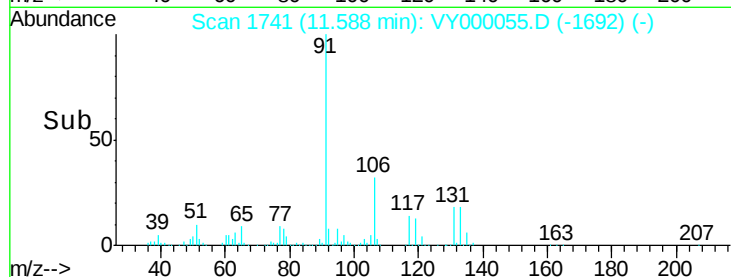
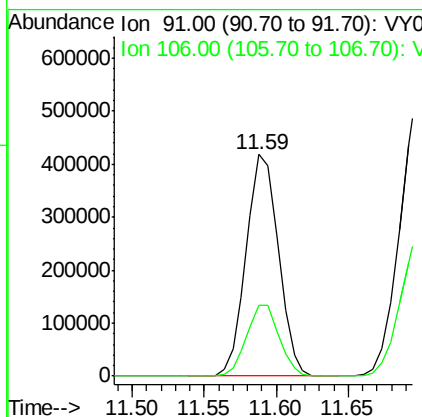
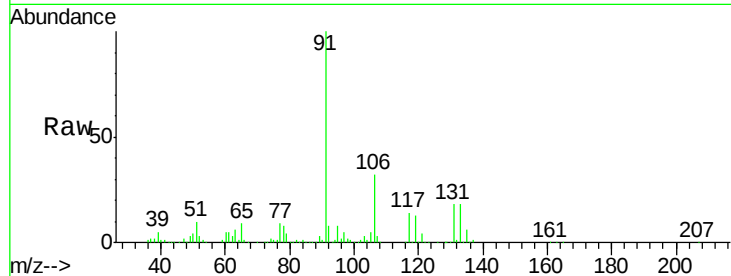
#67
Ethyl Benzene
Concen: 94.164 ug/l
RT: 11.59 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 649755
Ion Ratio Lower Upper
91 100
106 31.7 26.6 40.0

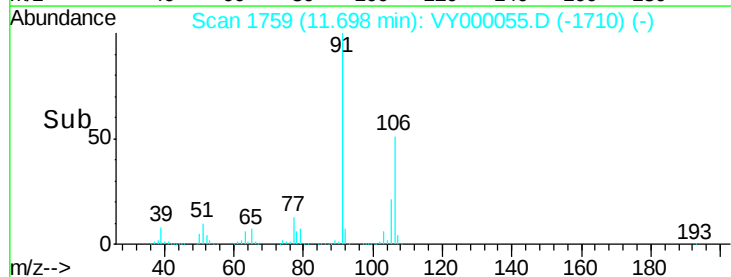
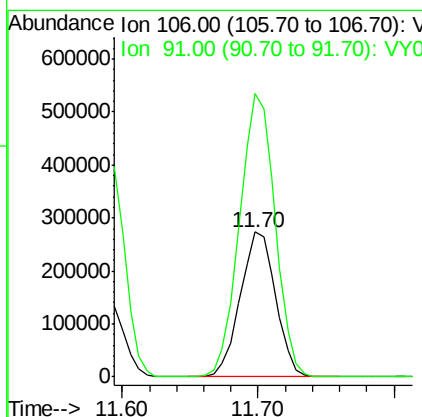
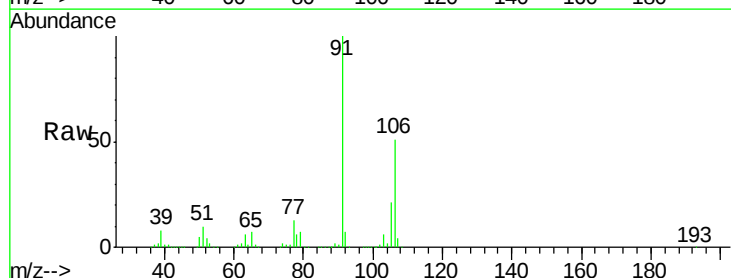
Manual Integrations
APPROVED

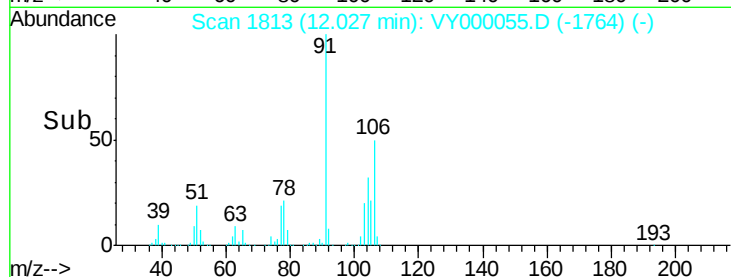
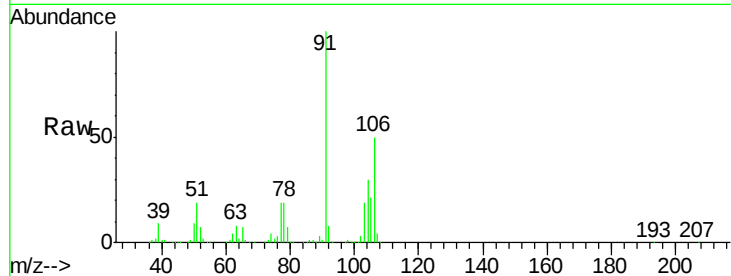
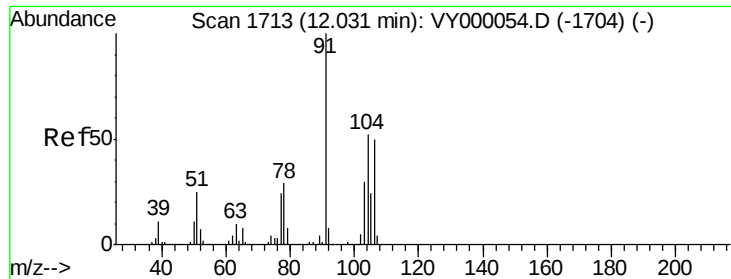
MMDadoda
9/19/2019 1:29:36 AM



#68
m/p-Xylenes
Concen: 187.799 ug/l
RT: 11.70 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion: 106 Resp: 496500
Ion Ratio Lower Upper
106 100
91 196.2 154.5 231.7





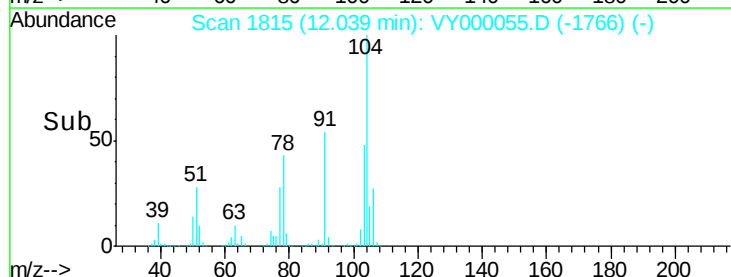
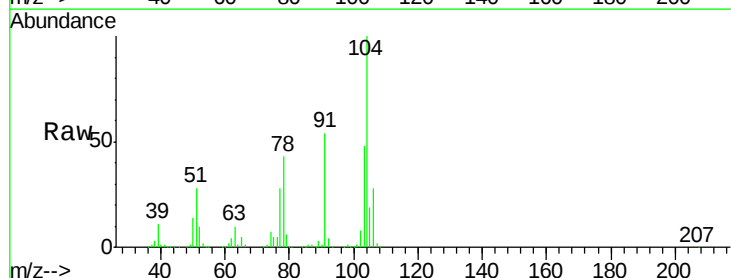
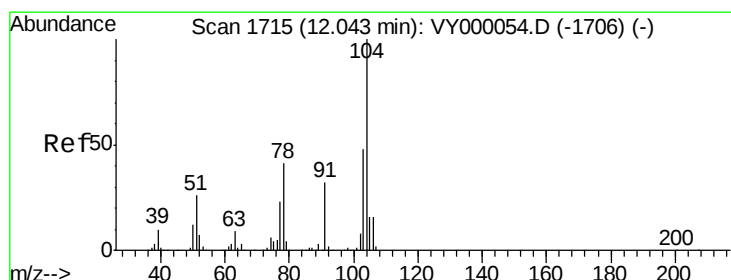
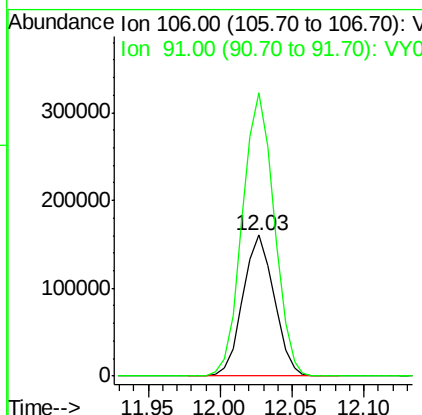
#69
o-Xylene
Concen: 96.433 ug/l
RT: 12.03 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tot Ion:106 Resp: 242088
Ion Ratio Lower Upper
106 100
91 203.7 103.5 310.3

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

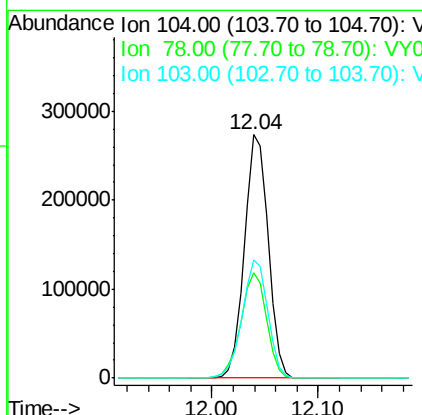
Manual Integrations
APPROVED

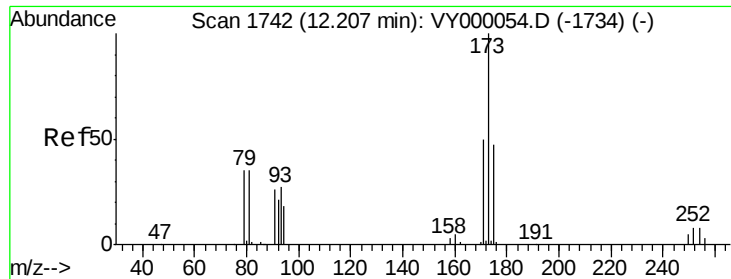
MMDadoda
9/19/2019 1:29:36 AM



#70
Styrene
Concen: 97.494 ug/l
RT: 12.04 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion:104 Resp: 430438
Ion Ratio Lower Upper
104 100
78 46.7 37.7 56.5
103 52.0 42.2 63.4





#71

Bromoform

Concen: 103.295 ug/l

RT: 12.20 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 74343

Ion Ratio Lower Upper

173 100

175 49.8 23.6 71.0

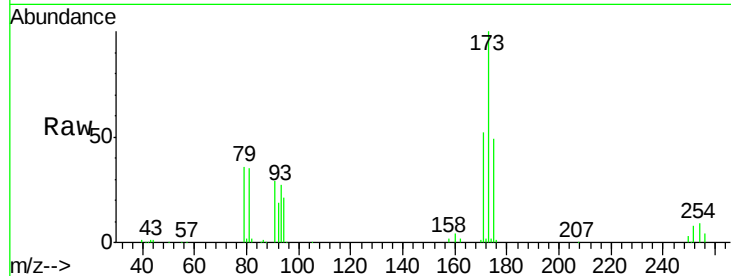
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

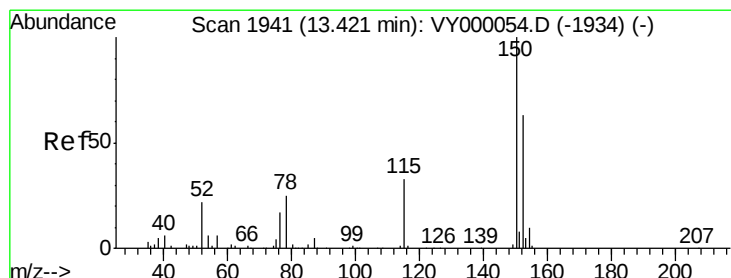
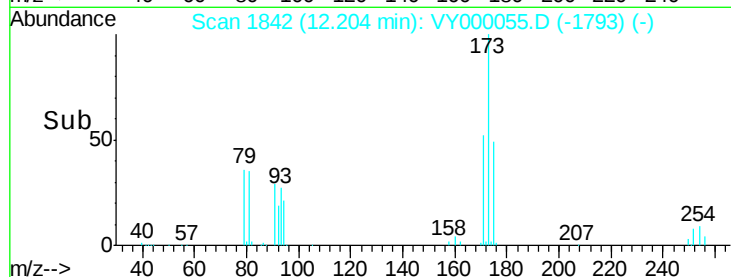
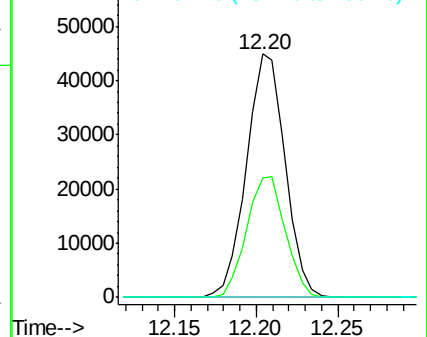
9/19/2019 1:29:36 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 2042

Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

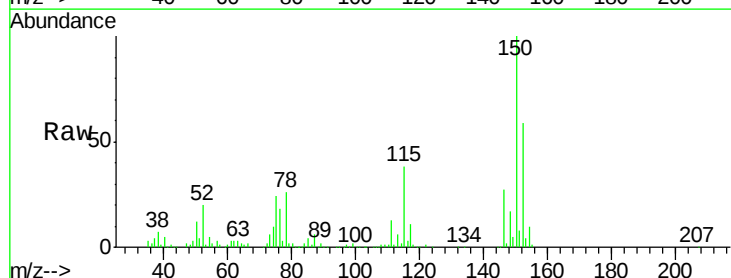
Tgt Ion:152 Resp: 81726

Ion Ratio Lower Upper

152 100

115 61.8 30.7 92.1

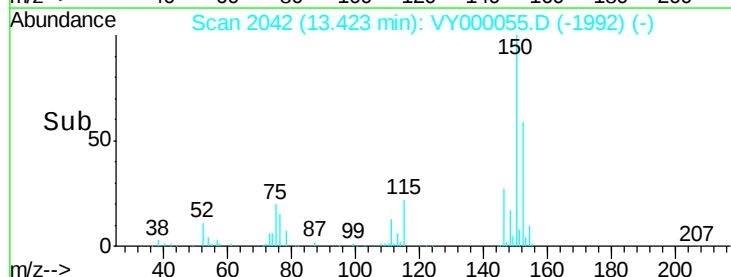
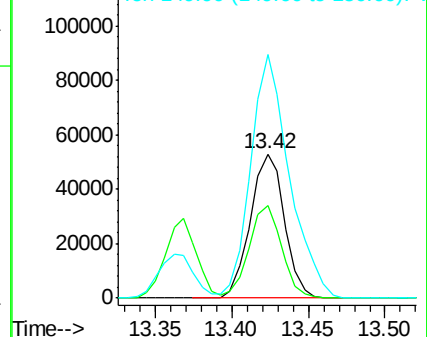
150 191.7 0.0 351.6

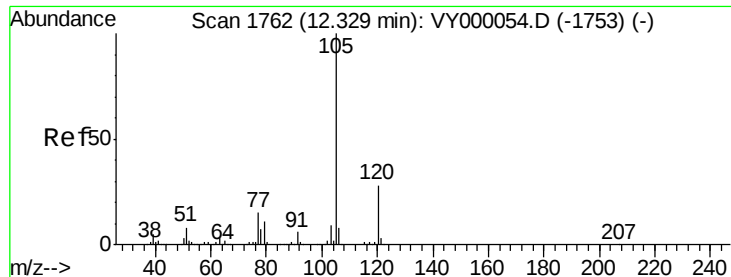


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 95.243 ug/l

RT: 12.33 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 634277

Ion Ratio Lower Upper

105 100

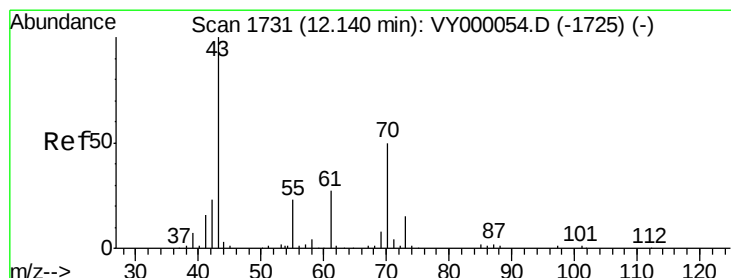
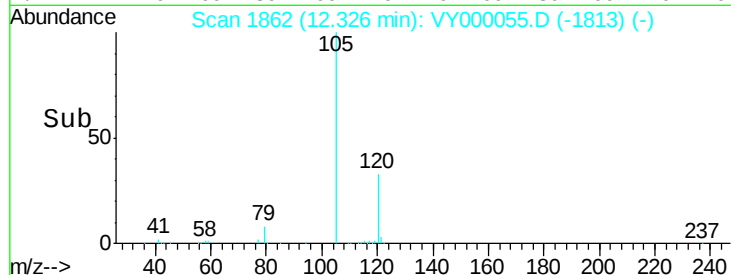
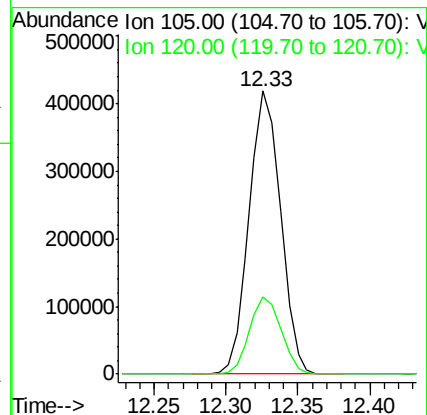
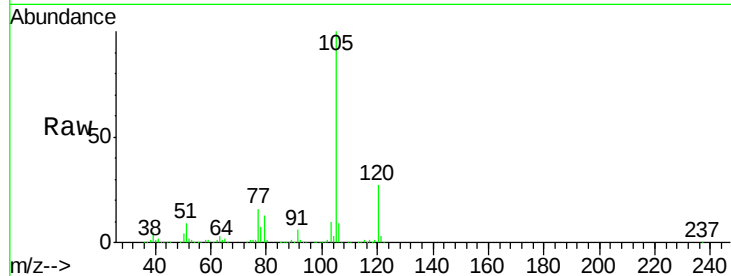
120 27.2 13.9 41.7

Manual Integrations

APPROVED

MMDadoda

9/19/2019 1:29:36 AM



#74

N-ethyl acetate

Concen: 104.295 ug/l

RT: 12.14 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion: 43 Resp: 194538

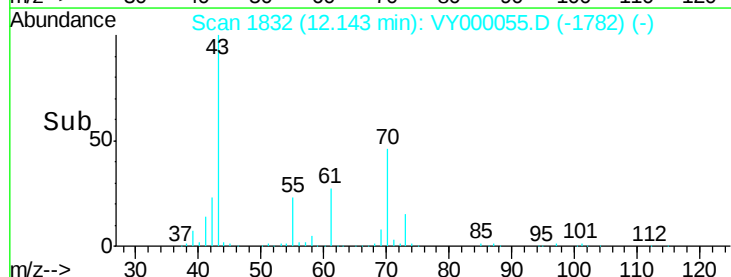
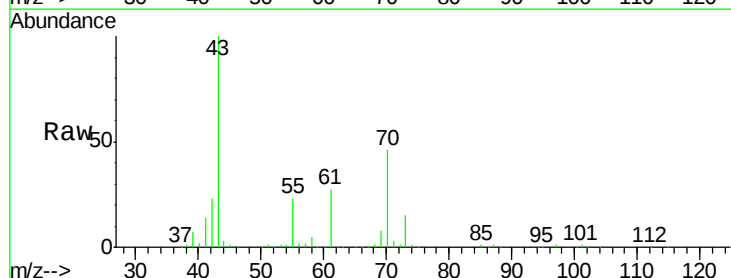
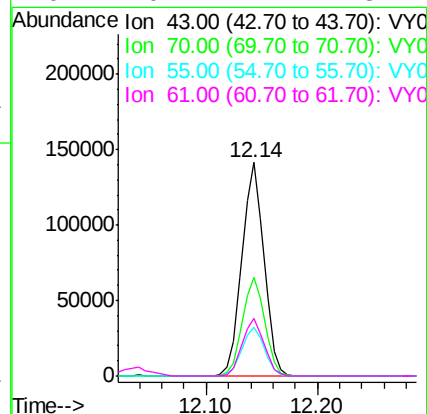
Ion Ratio Lower Upper

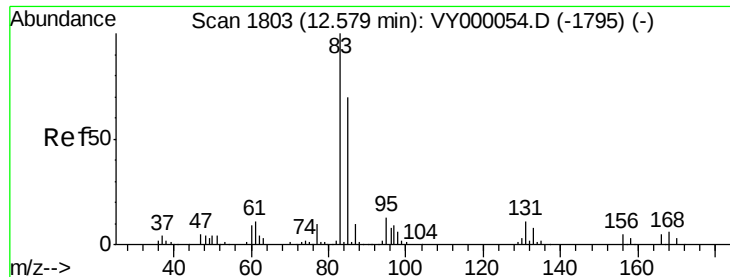
43 100

70 46.3 38.8 58.2

55 23.0 18.8 28.2

61 26.7 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 92.555 ug/l

RT: 12.58 min Scan# 1904

Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

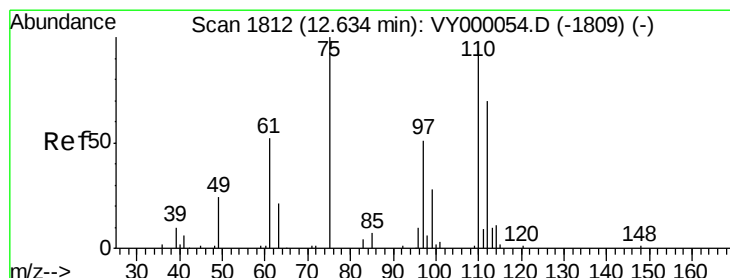
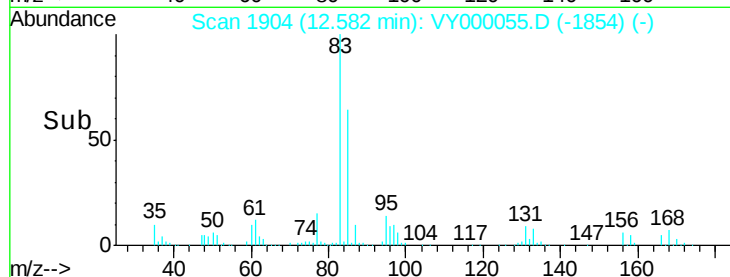
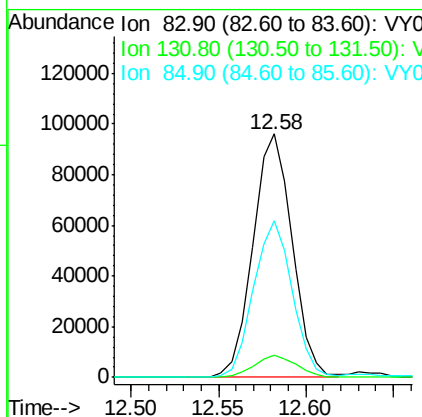
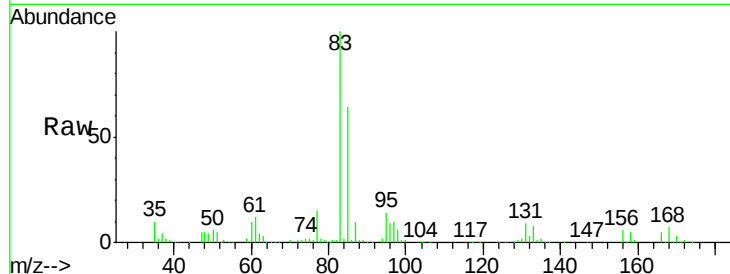
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	149435
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	63.5	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:36 AM



#76

1,2,3-Trichloropropane

Concen: 87.747 ug/l m

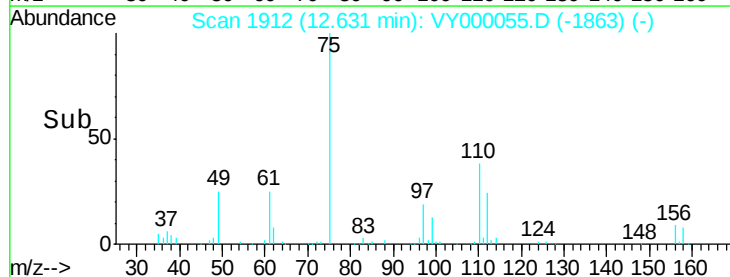
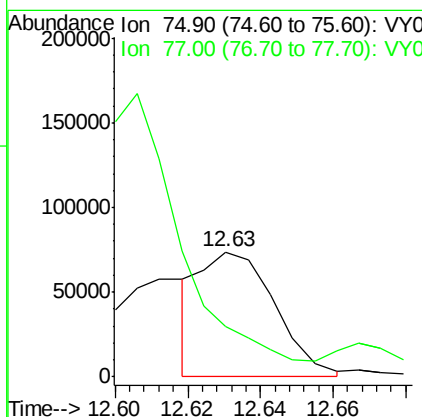
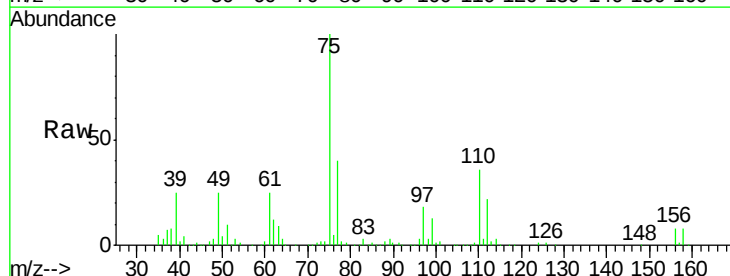
RT: 12.63 min Scan# 1912

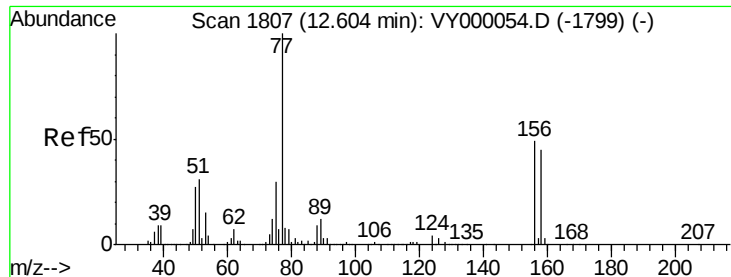
Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion:	75	Resp:	105825
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 97.956 ug/l

RT: 12.61 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

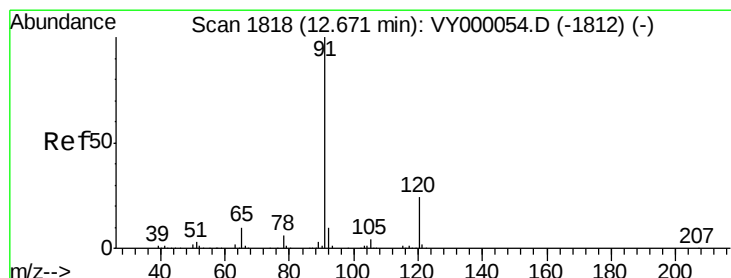
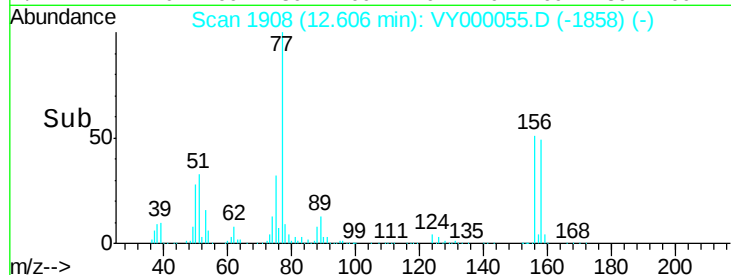
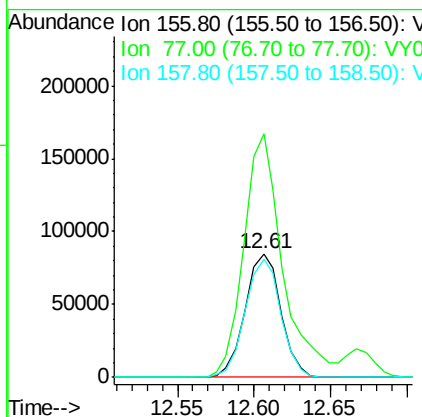
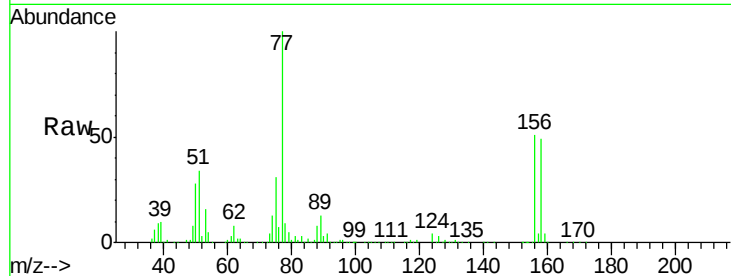
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	216.7	109.7	329.0
158	95.9	48.0	144.2

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:36 AM



#78

n-propylbenzene

Concen: 94.437 ug/l

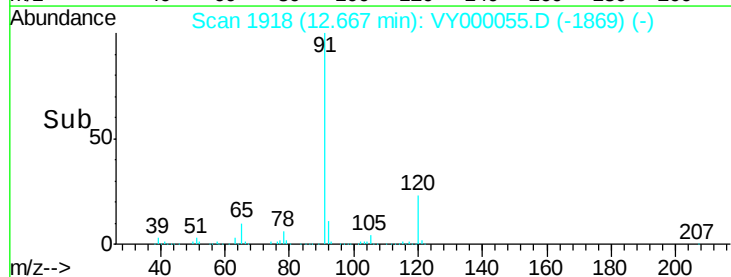
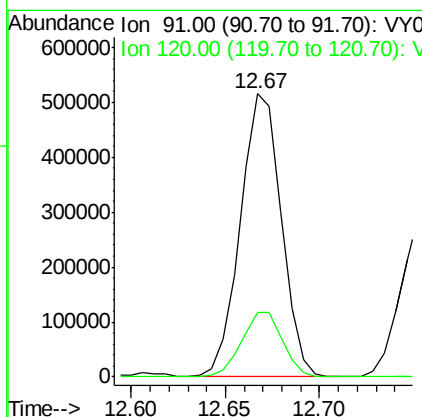
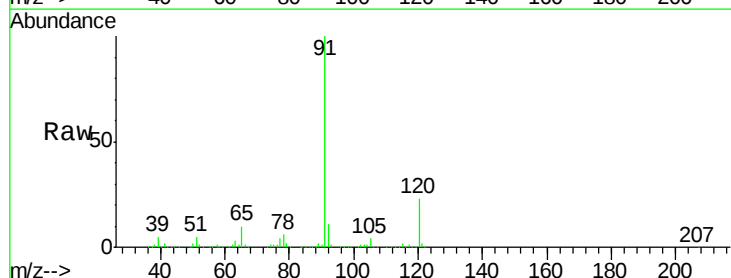
RT: 12.67 min Scan# 1918

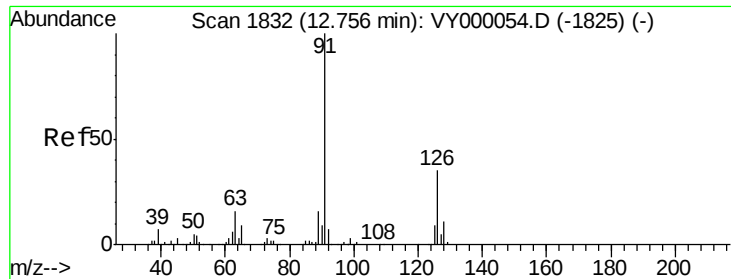
Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5





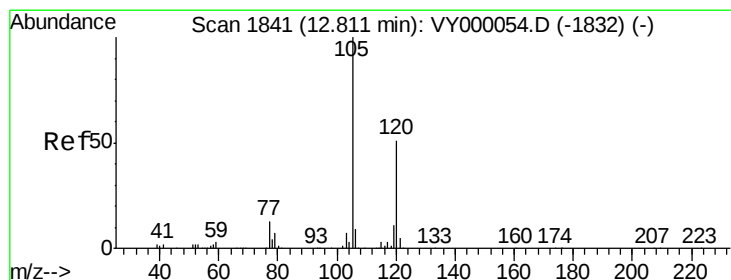
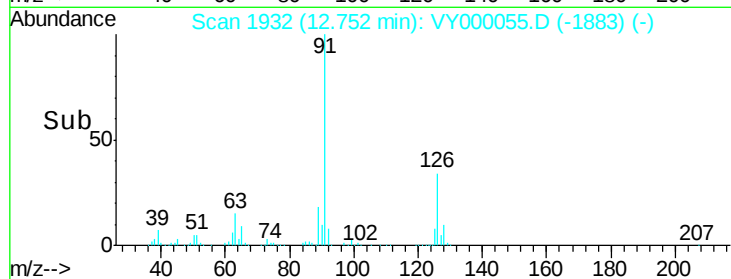
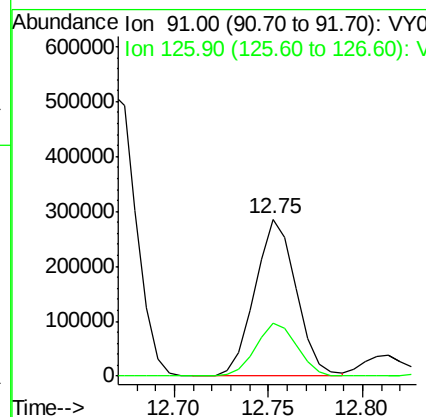
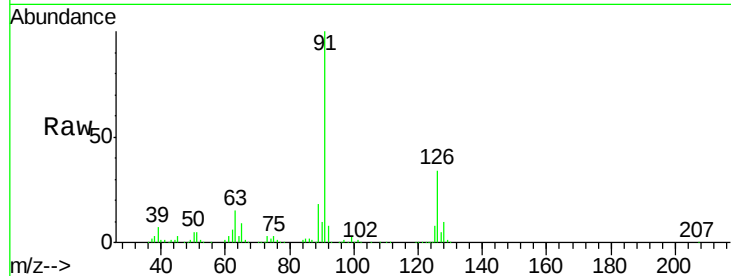
#79
 2-Chlorotoluene
 Concen: 95.617 ug/l
 RT: 12.75 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.2	51.5

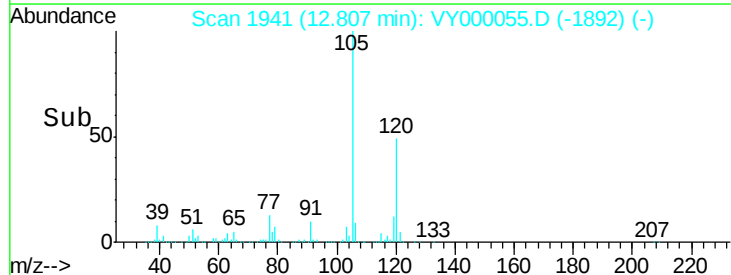
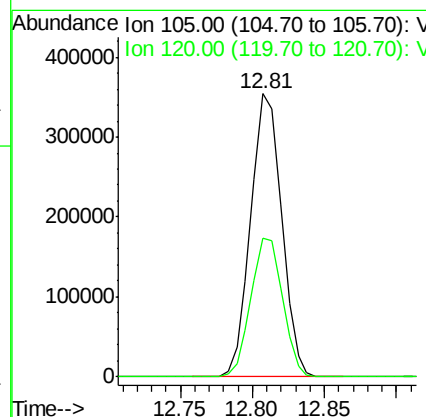
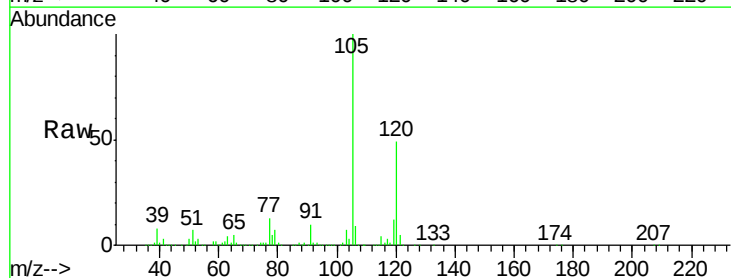
Manual Integrations
 APPROVED

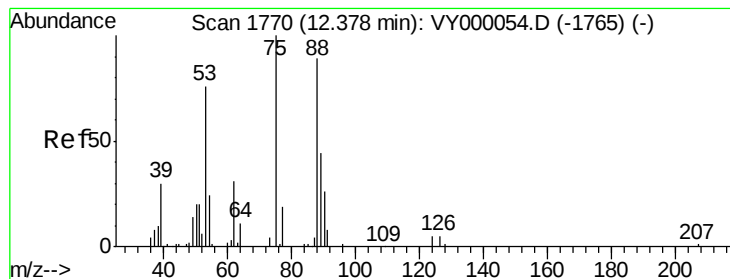
MMDadoda
 9/19/2019 1:29:36 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 95.243 ug/l
 RT: 12.81 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.2	24.9	74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 100.205 ug/l

RT: 12.38 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

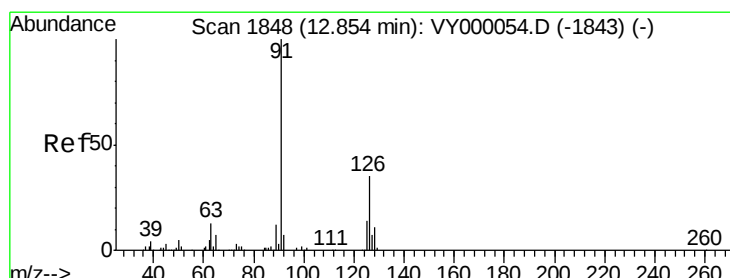
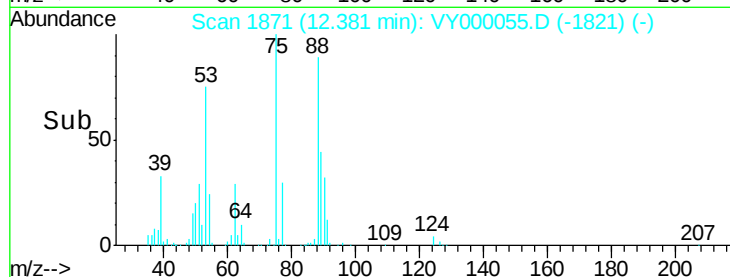
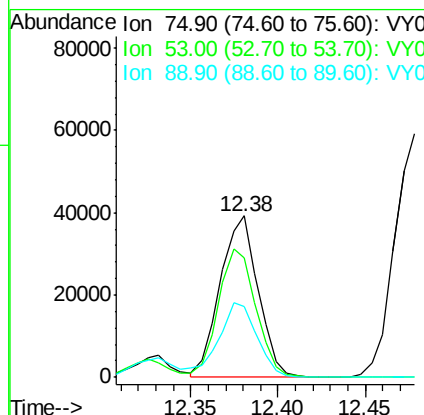
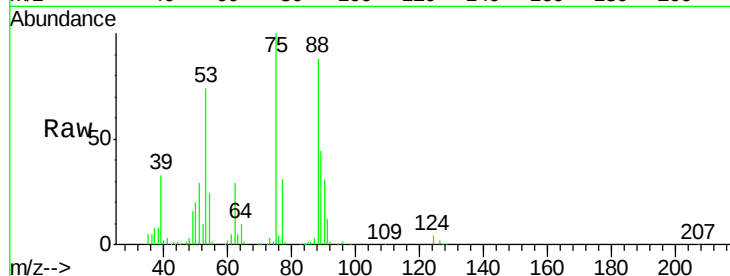
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	58631
Ion Ratio	Lower	Upper	
75	100		
53	80.2	60.9	91.3
89	47.5	35.3	52.9

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:36 AM



#82

4-Chlorotoluene

Concen: 97.349 ug/l

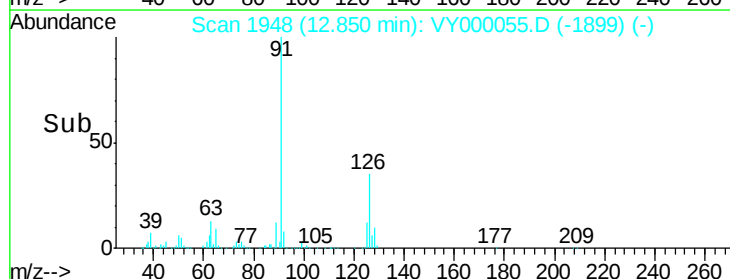
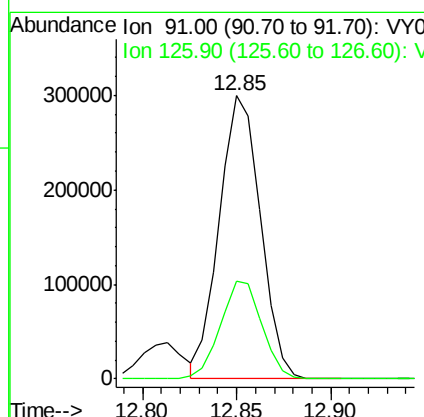
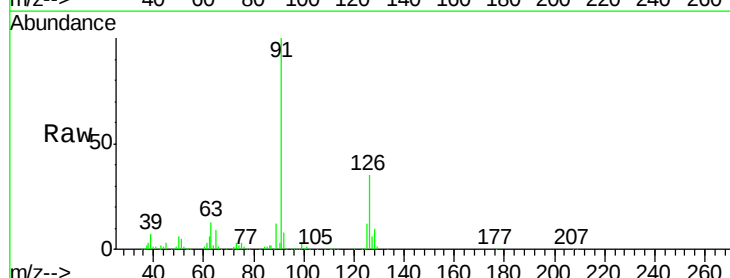
RT: 12.85 min Scan# 1948

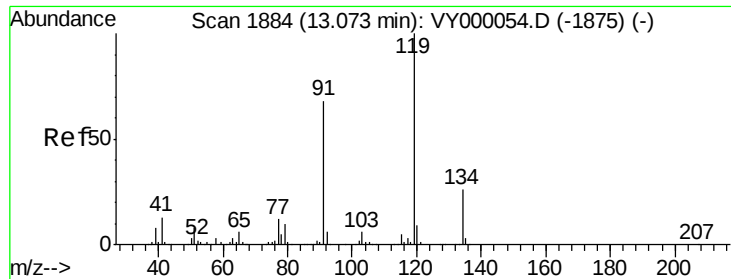
Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion:	91	Resp:	454606
Ion Ratio	Lower	Upper	
91	100		
126	34.7	16.7	50.1





#83

tert-Butylbenzene

Concen: 96.217 ug/l

RT: 13.07 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

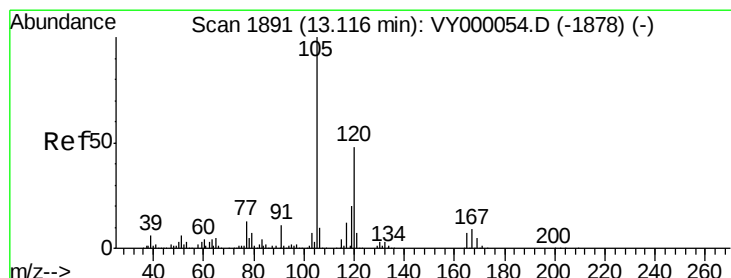
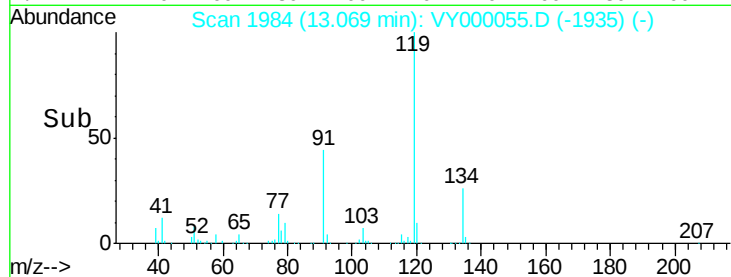
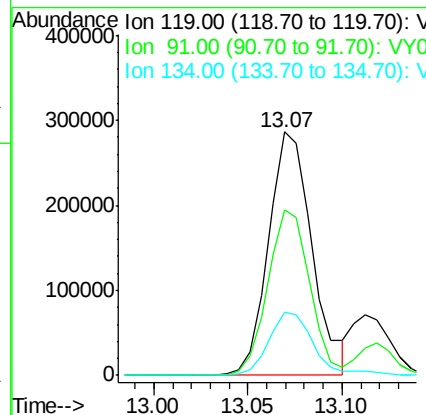
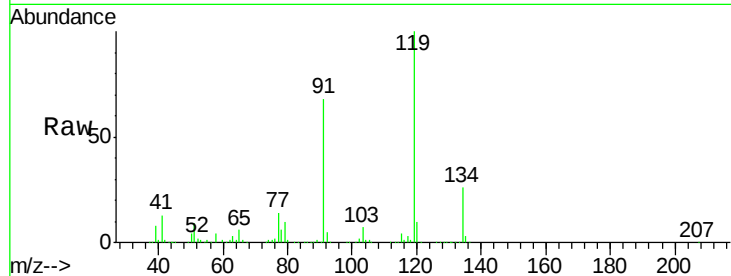
ClientSampleId :

VSTDIC100

Tot Ion:	119	Resp:	458362
Ion Ratio	Lower	Upper	
119	100		
91	65.8	33.4	100.1
134	26.6	12.7	38.0

Manual Integrations
APPROVED

MMDadoda
9/19/2019 1:29:36 AM



#84

1,2,4-Trimethylbenzene

Concen: 96.508 ug/l

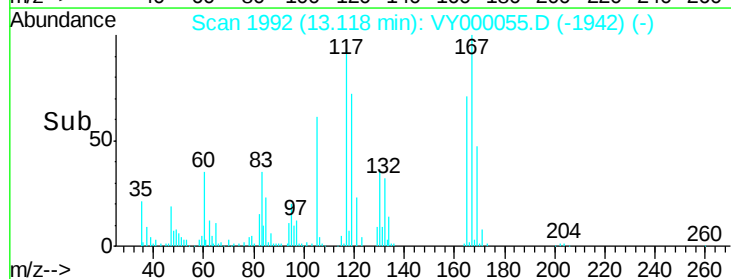
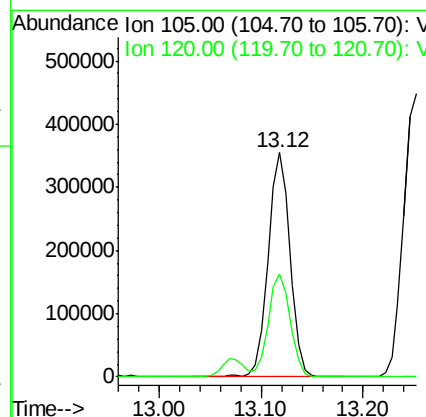
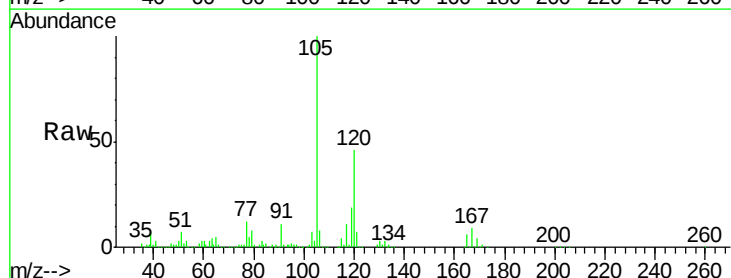
RT: 13.12 min Scan# 1992

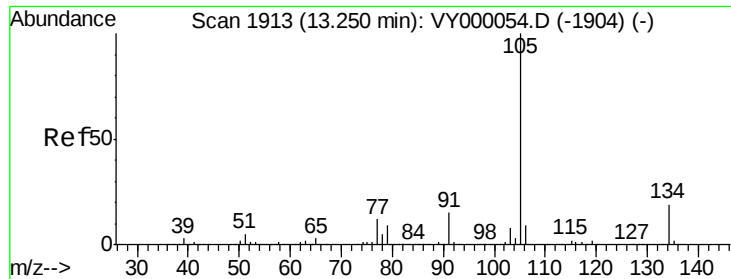
Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion:	105	Resp:	529374
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.9	68.7





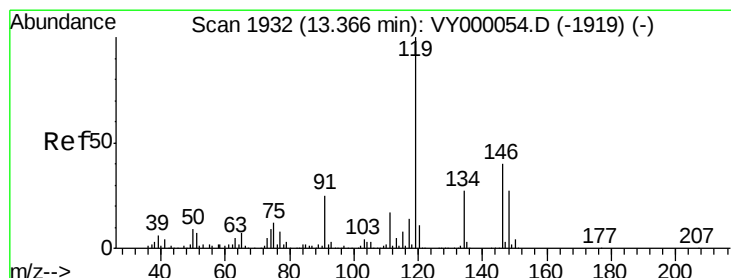
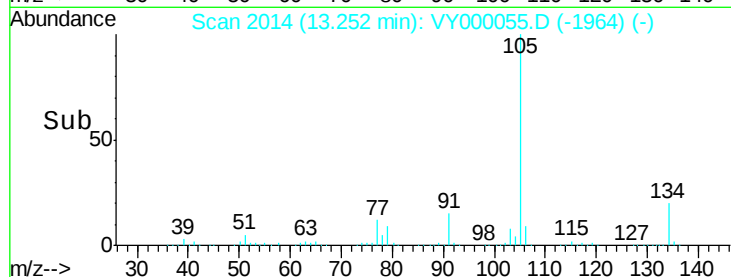
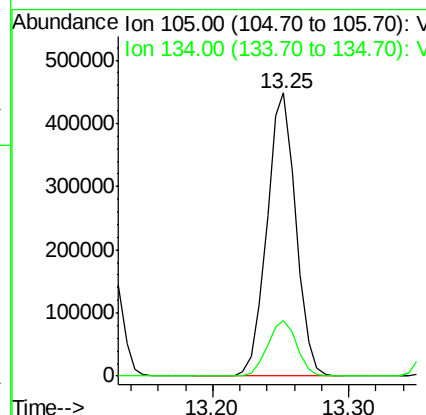
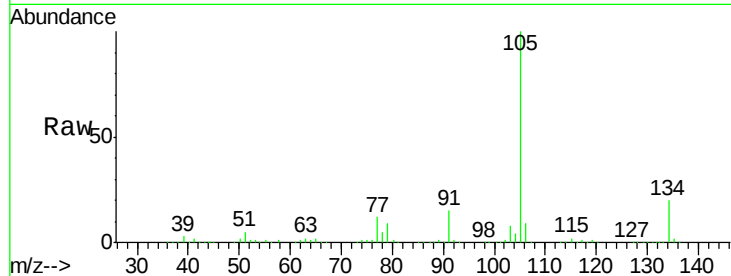
#85
 sec-Butylbenzene
 Concen: 94.962 ug/l
 RT: 13.25 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4

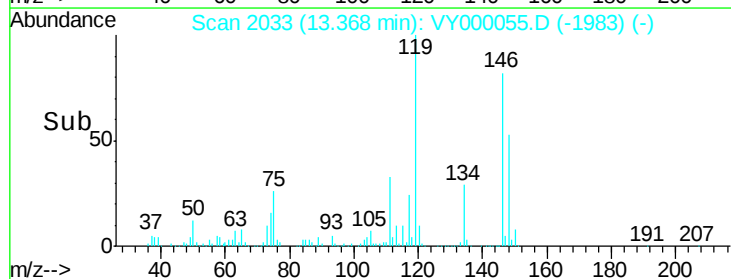
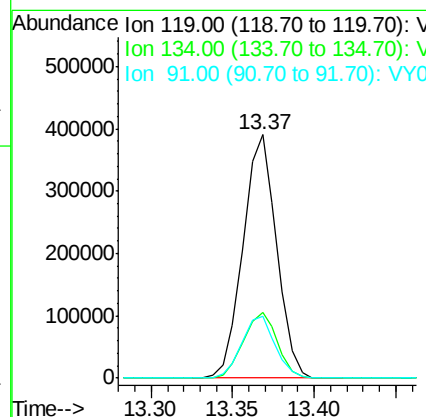
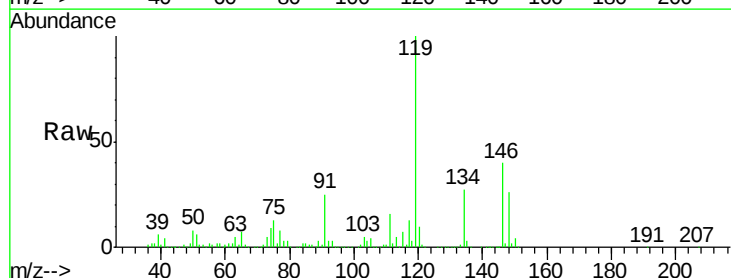
Manual Integrations
 APPROVED

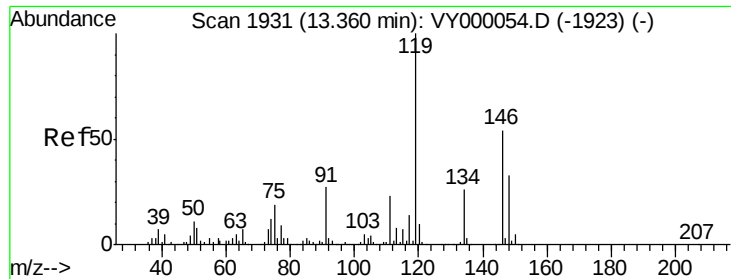
MMDadoda
 9/19/2019 1:29:36 AM



#86
 p-Isopropyltoluene
 Concen: 93.887 ug/l
 RT: 13.37 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.4	40.2
91	25.5	12.4	37.4





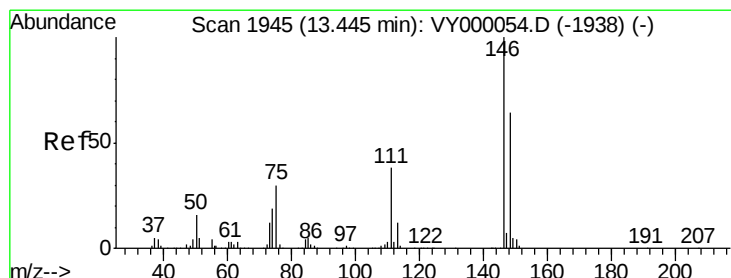
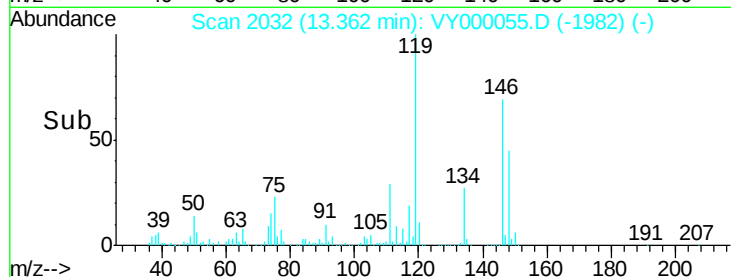
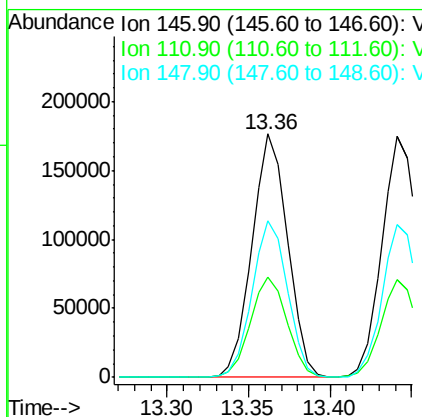
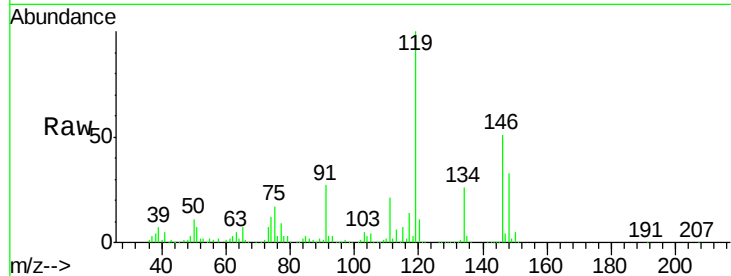
#87
 1,3-Dichlorobenzene
 Concen: 98.076 ug/l
 RT: 13.36 min Scan# 2032
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	269069		
111	42.3		21.1	63.1
148	64.0		31.8	95.3

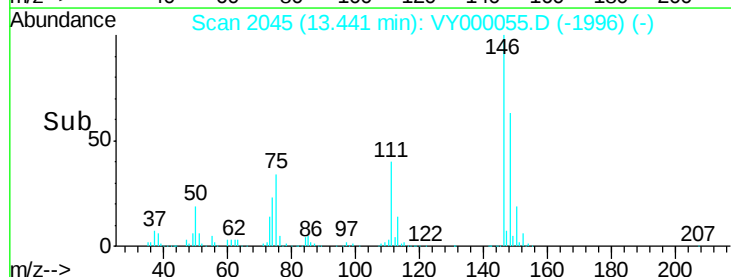
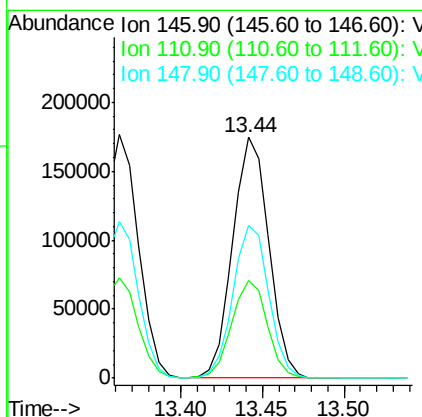
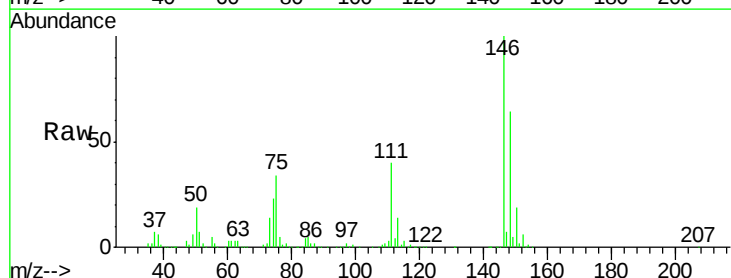
Manual Integrations
 APPROVED

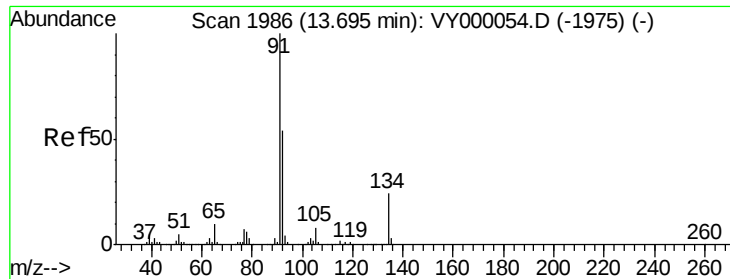
MMDadoda
 9/19/2019 1:29:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 95.795 ug/l
 RT: 13.44 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	269952		
111	39.8		20.8	62.4
148	62.6		31.5	94.5





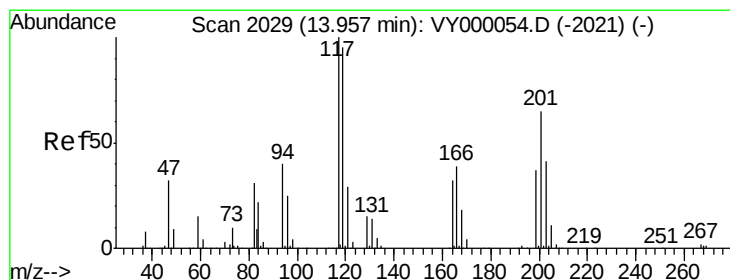
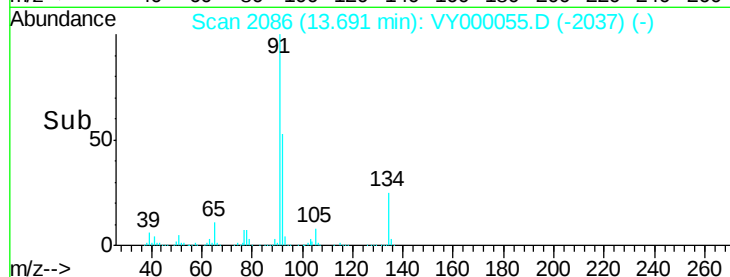
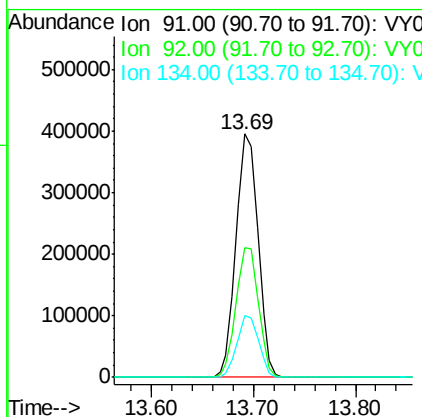
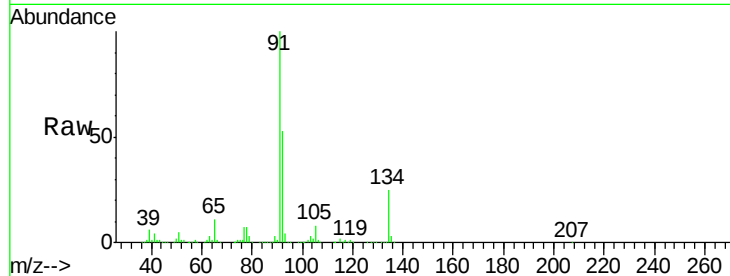
#89
n-Butylbenzene
Concen: 96.705 ug/l
RT: 13.69 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.2	81.5
134	25.0	12.2	36.6

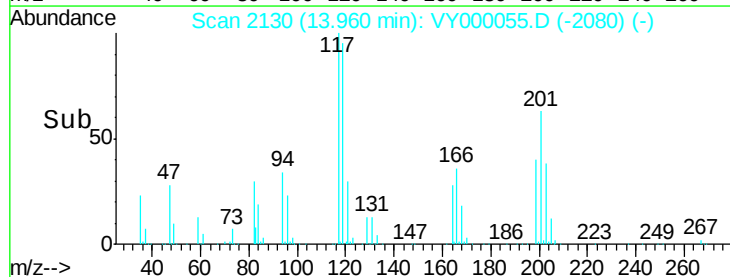
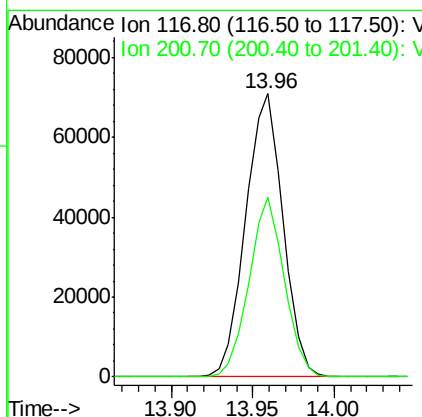
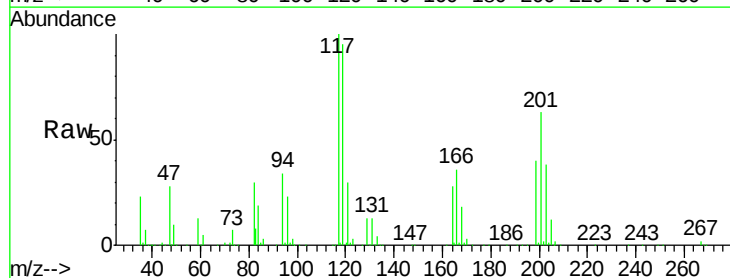
Manual Integrations
APPROVED

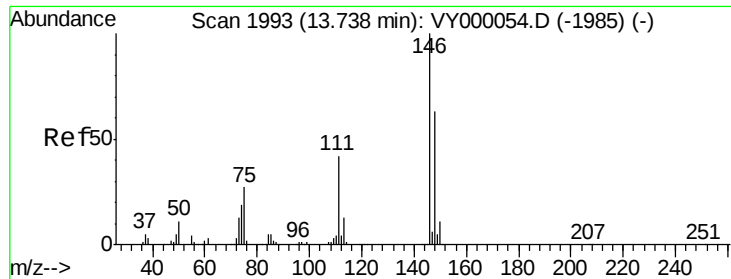
MMDadoda
9/19/2019 1:29:36 AM



#90
Hexachloroethane
Concen: 96.572 ug/l
RT: 13.96 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VY000055.D
Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.0	30.6	92.0





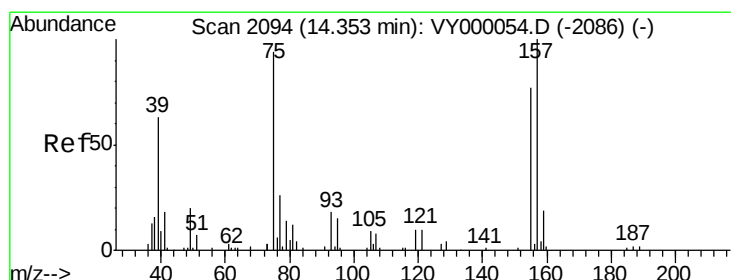
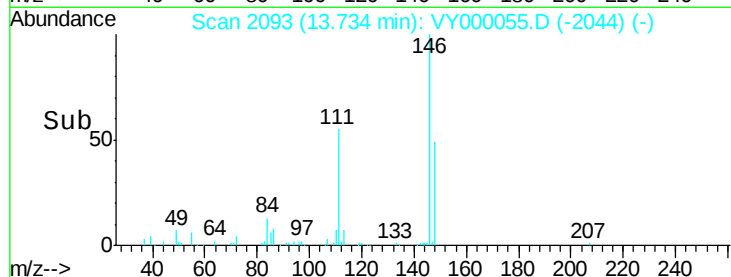
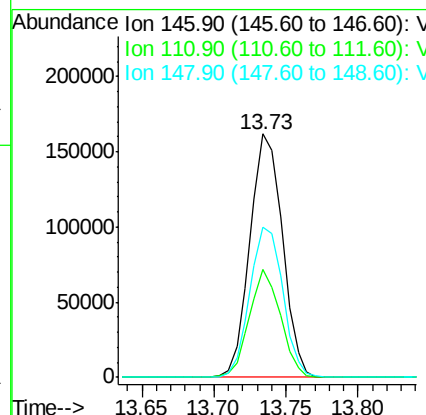
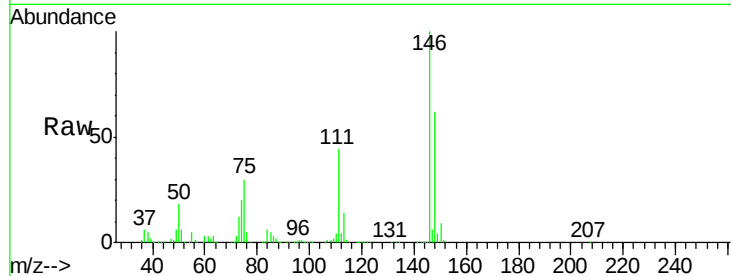
#91
 1,2-Dichlorobenzene
 Concen: 95.854 ug/l
 RT: 13.73 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.9	65.7
148	62.6	32.4	97.2

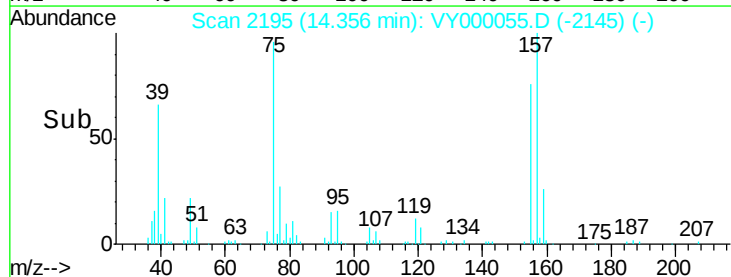
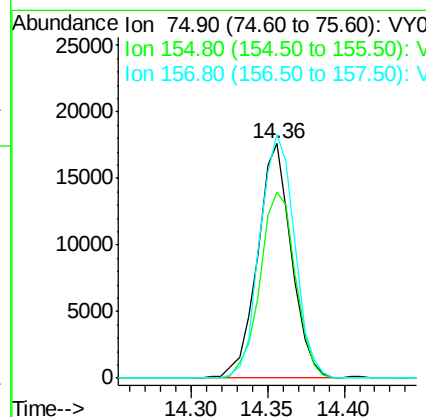
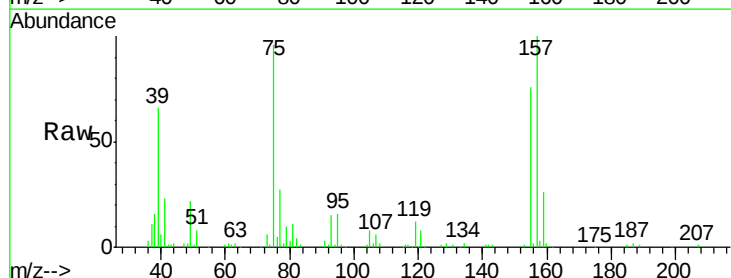
Manual Integrations
 APPROVED

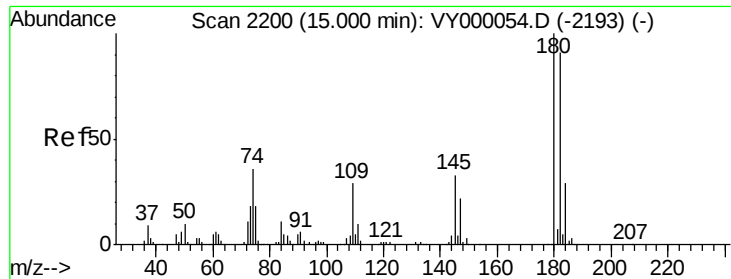
MMDadoda
 9/19/2019 1:29:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 88.657 ug/l
 RT: 14.36 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	40.6	121.7
157	106.5	52.9	158.8





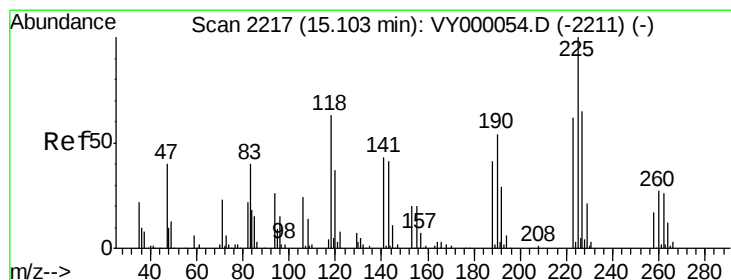
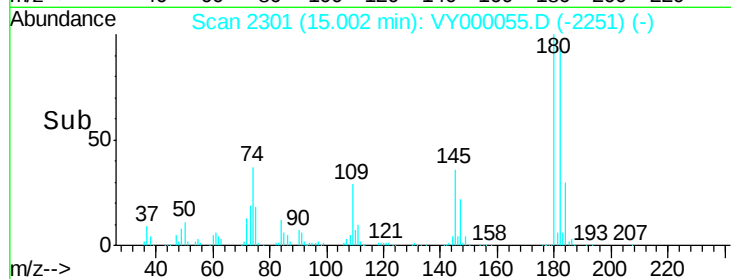
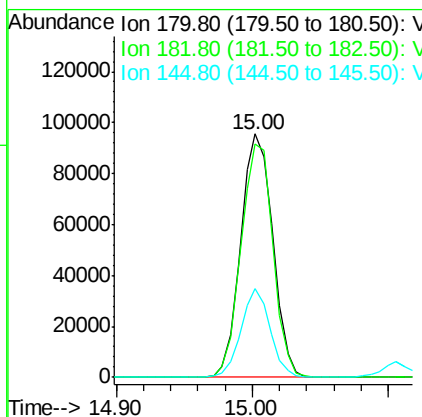
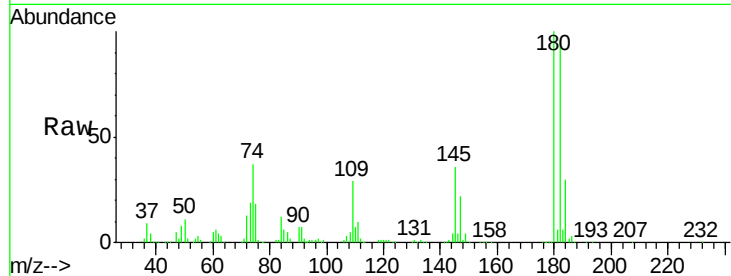
#93
 1,2,4-Trichlorobenzene
 Concen: 101.433 ug/l
 RT: 15.00 min Scan# 2301
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156942		
182	95.7	48.5	145.6	
145	33.0	17.2	51.6	

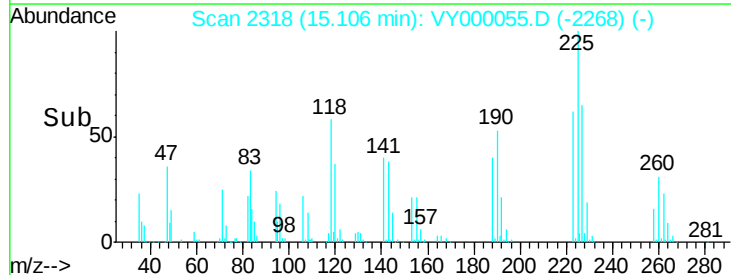
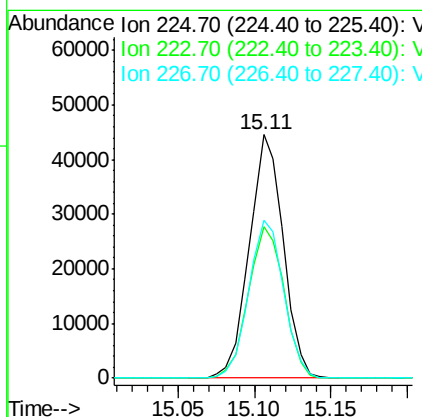
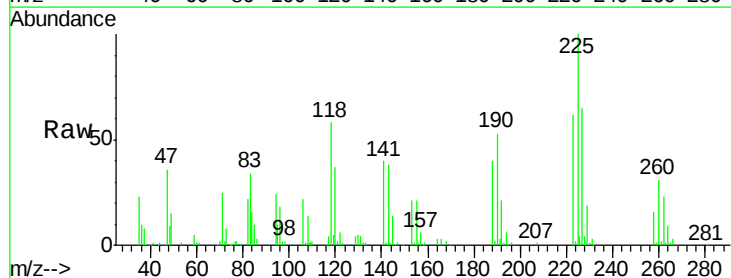
Manual Integrations
 APPROVED

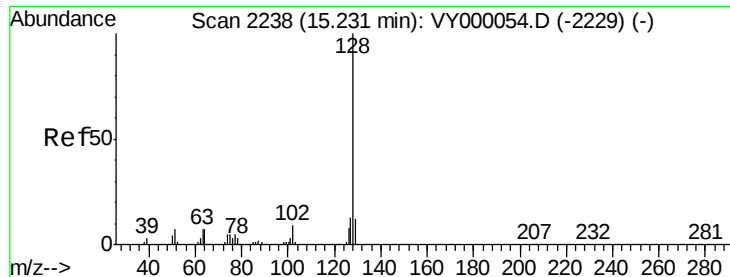
MMDadoda
 9/19/2019 1:29:36 AM



#94
 Hexachlorobutadiene
 Concen: 91.554 ug/l
 RT: 15.11 min Scan# 2318
 Delta R.T. 0.00 min
 Lab File: VY000055.D
 Acq: 17 Sep 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68907		
223	65.2	31.9	95.5	
227	66.9	30.6	91.6	





#95

Naphthalene

Concen: 98.967 ug/l

RT: 15.23 min Scan# 2339

Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Instrument :

MSVOA_Y

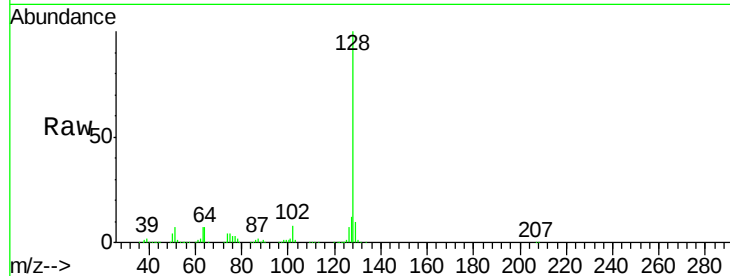
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	441043
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.3	15.5
129	11.1	9.2	13.8

Manual Integrations
APPROVED

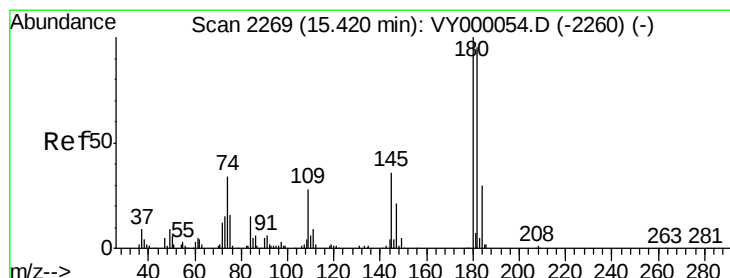
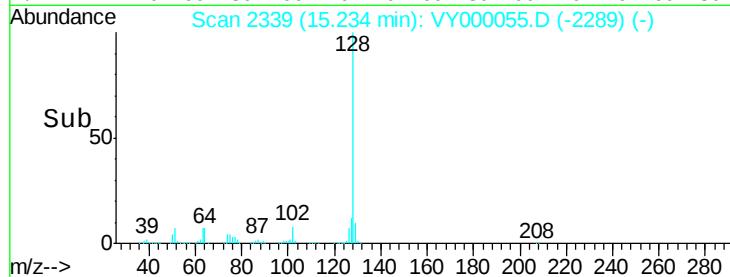
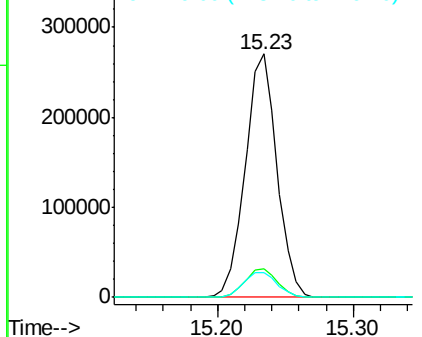
MMDadoda
9/19/2019 1:29:36 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 98.423 ug/l

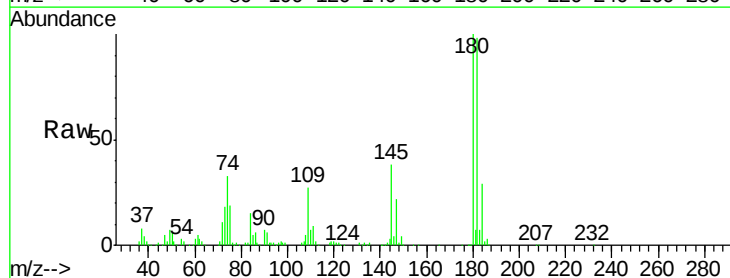
RT: 15.42 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VY000055.D

Acq: 17 Sep 2019 12:31

Tgt Ion:	180	Resp:	144615
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.5	142.5
145	36.6	17.4	52.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

