

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101019\
 Data File : VY000259.D
 Acq On : 10 Oct 2019 17:29
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:33:52 PM

Quant Time: Oct 11 07:22:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 07:12:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	241517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	405743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	350180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	165417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	157548	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
35) Dibromofluoromethane	7.74	113	124831	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	10.19	98	471250	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
62) 4-Bromofluorobenzene	12.48	95	161647	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.90	85	5326	2.209	ug/l	72
3) Chloromethane	2.12	50	7791	2.373	ug/l	98
4) Vinyl Chloride	2.25	62	7950	2.345	ug/l	89
5) Bromomethane	2.64	94	7434	3.476	ug/l	91
6) Chloroethane	2.80	64	5392	2.518	ug/l #	75
7) Trichlorofluoromethane	3.13	101	10509	2.399	ug/l	95
8) Diethyl Ether	3.54	74	4966	2.479	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	6056	2.368	ug/l	94
10) Methyl Iodide	4.10	142	5250	1.392	ug/l #	42
11) Tert butyl alcohol	4.96	59	28884	17.116	ug/l	96
12) 1,1-Dichloroethene	3.88	96	6556	2.469	ug/l #	63
13) Acrolein	3.74	56	11922	13.459	ug/l	95
14) Allyl chloride	4.49	41	10509	2.349	ug/l #	88
15) Acrylonitrile	5.18	53	36430	12.229	ug/l	99
16) Acetone	3.96	43	32620	13.259	ug/l	93
17) Carbon Disulfide	4.20	76	15922	2.034	ug/l #	92
18) Methyl Acetate	4.48	43	17097	2.536	ug/l	90
19) Methyl tert-butyl Ether	5.23	73	22322	2.298	ug/l	96
20) Methylene Chloride	4.71	84	8316	2.573	ug/l #	92
21) trans-1,2-Dichloroethene	5.23	96	6935	2.322	ug/l #	76
22) Diisopropyl ether	6.13	45	24867	2.399	ug/l	96
23) Vinyl Acetate	6.08	43	103090	10.980	ug/l	95
24) 1,1-Dichloroethane	6.02	63	11828	2.237	ug/l	96
25) 2-Butanone	7.00	43	55716	12.242	ug/l	92
26) 2,2-Dichloropropane	6.99	77	11377	2.384	ug/l	96
27) cis-1,2-Dichloroethene	7.00	96	8513	2.419	ug/l	99
28) Bromochloromethane	7.34	49	5145	2.956	ug/l	100
29) Tetrahydrofuran	7.36	42	36707	11.420	ug/l	98
30) Chloroform	7.52	83	13576	2.474	ug/l	90
31) Cyclohexane	7.79	56	15528	2.907	ug/l #	74
32) 1,1,1-Trichloroethane	7.71	97	10727	2.299	ug/l	92
36) 1,1-Dichloropropene	7.93	75	9593	2.324	ug/l	96
37) Ethyl Acetate	7.08	43	19088	2.558	ug/l	99
38) Carbon Tetrachloride	7.90	117	9340	2.321	ug/l #	81

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101019\
 Data File : VY000259.D
 Acq On : 10 Oct 2019 17:29
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:33:52 PM

Quant Time: Oct 11 07:22:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 07:12:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	12168	2.349	ug/l #	83
40) Benzene	8.17	78	28798	2.300	ug/l	99
41) Methacrylonitrile	7.35	41	15016m	2.556	ug/l	
42) 1,2-Dichloroethane	8.24	62	10135	2.492	ug/l	97
43) Isopropyl Acetate	8.28	43	22159	2.307	ug/l	99
44) Trichloroethene	8.95	130	8327	2.452	ug/l	83
45) 1,2-Dichloropropane	9.22	63	6916	2.205	ug/l #	83
46) Dibromomethane	9.31	93	4971	2.260	ug/l	90
47) Bromodichloromethane	9.51	83	9578	2.227	ug/l #	88
48) Methyl methacrylate	9.30	41	11032	2.544	ug/l	90
49) 1,4-Dioxane	9.31	88	5494	49.358	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	84480	11.701	ug/l	99
52) Toluene	10.25	92	18471	2.300	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	10528	2.157	ug/l	94
54) cis-1,3-Dichloropropene	9.93	75	11026	2.088	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	8116	2.562	ug/l	92
56) Ethyl methacrylate	10.52	69	11718	2.101	ug/l	94
57) 1,3-Dichloropropane	10.80	76	12278	2.270	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.79	63	29985	12.064	ug/l	98
59) 2-Hexanone	10.84	43	69671	11.386	ug/l	100
60) Dibromochloromethane	10.99	129	7724	2.307	ug/l	97
61) 1,2-Dibromoethane	11.10	107	8388	2.493	ug/l	94
64) Tetrachloroethene	10.72	164	8540	2.668	ug/l	95
65) Chlorobenzene	11.52	112	19069	2.350	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.60	131	6998	2.412	ug/l	95
67) Ethyl Benzene	11.60	91	33599	2.316	ug/l	100
68) m/p-Xylenes	11.70	106	25665	4.637	ug/l	97
69) o-Xylene	12.03	106	11774	2.208	ug/l	92
70) Styrene	12.05	104	20549	2.237	ug/l	96
71) Bromoform	12.21	173	5000	2.089	ug/l #	93
73) Isopropylbenzene	12.33	105	31628	2.256	ug/l	99
74) N-amyl acetate	12.15	43	13534	2.028	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	10766	2.251	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	11082m	2.537	ug/l	
77) Bromobenzene	12.61	156	8399	2.555	ug/l	86
78) n-propylbenzene	12.67	91	36188	2.210	ug/l	96
79) 2-Chlorotoluene	12.75	91	21923	2.326	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	26455	2.262	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	4215	1.991	ug/l #	89
82) 4-Chlorotoluene	12.85	91	21104	2.210	ug/l	94
83) tert-Butylbenzene	13.08	119	22569	2.220	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	25773	2.206	ug/l	99
85) sec-Butylbenzene	13.25	105	30083	2.147	ug/l	100
86) p-Isopropyltoluene	13.37	119	27704	2.248	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	14165	2.378	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	15051	2.425	ug/l	88
89) n-Butylbenzene	13.70	91	22996	1.980	ug/l	97
90) Hexachloroethane	13.96	117	5103	2.189	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	13707	2.273	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3569	2.389	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101019\
Data File : VY000259.D
Acq On : 10 Oct 2019 17:29
Operator : SY/MD
Sample : 2.5PPBMDL
Misc : 5.0ml/MSVOA Y/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

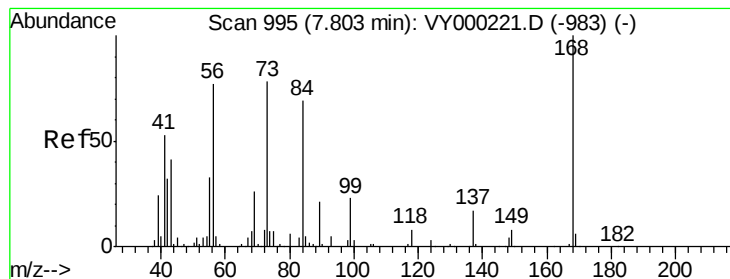
Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM

Quant Time: Oct 11 07:22:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 07:12:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	9349	2.284	ug/l	97
94) Hexachlorobutadiene	15.11	225	4202	2.148	ug/l	98
95) Naphthalene	15.23	128	34831	2.262	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	9457	2.401	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:168 Resp: 241517

Ion Ratio Lower Upper

168 100

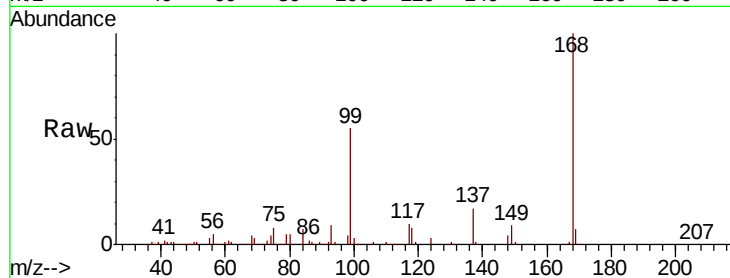
99 54.5 45.0 67.6

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:33:52 PM



Abundance Ion 167.90 (167.60 to 168.60): VY000221.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000221.D (-983) (-)

7.80

100000

80000

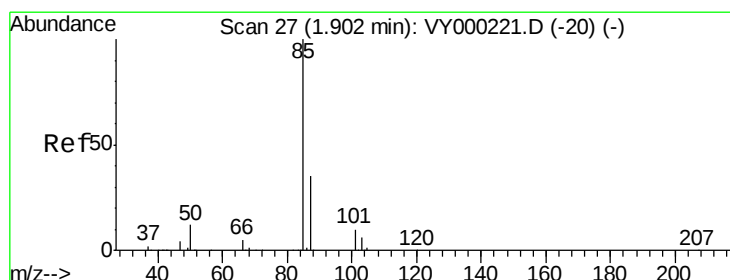
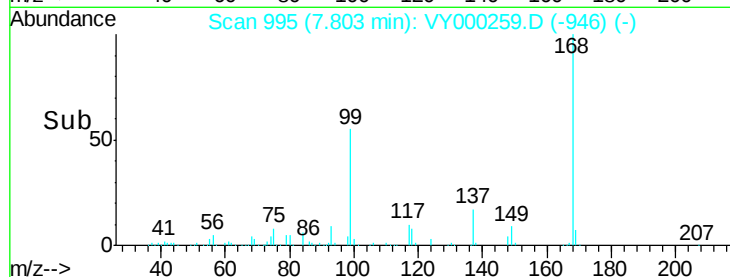
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.209 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000259.D

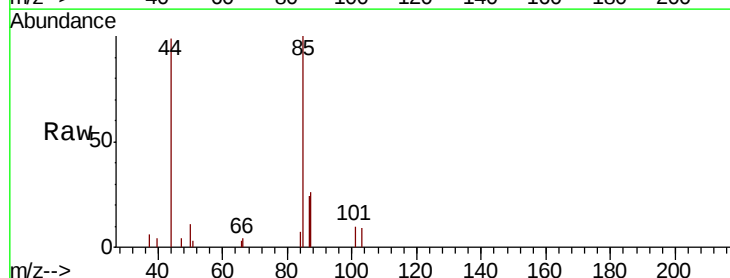
Acq: 10 Oct 2019 17:29

Tgt Ion: 85 Resp: 5326

Ion Ratio Lower Upper

85 100

87 50.8 17.4 52.2



Abundance Ion 84.90 (84.60 to 85.60): VY000221.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000221.D (-20) (-)

1.90

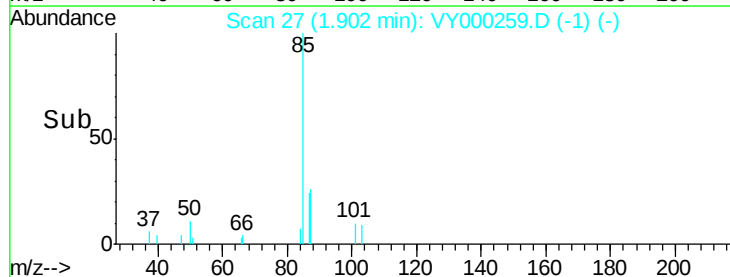
3000

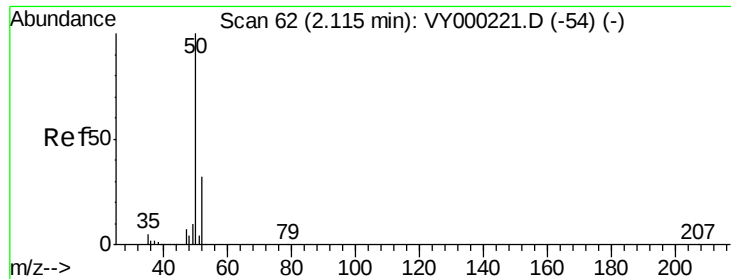
2000

1000

0

Time-->





#3

Chloromethane

Concen: 2.373 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 50 Resp: 7791

Ion Ratio Lower Upper

50 100

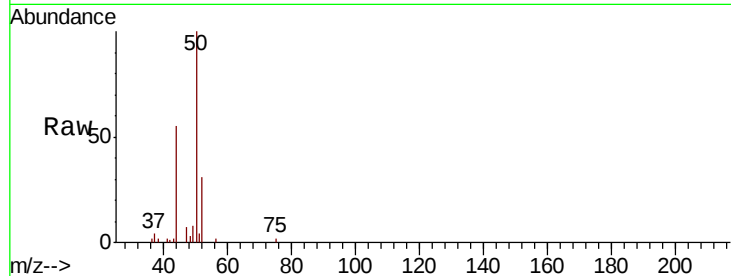
52 30.6 25.4 38.0

Manual Integrations

APPROVED

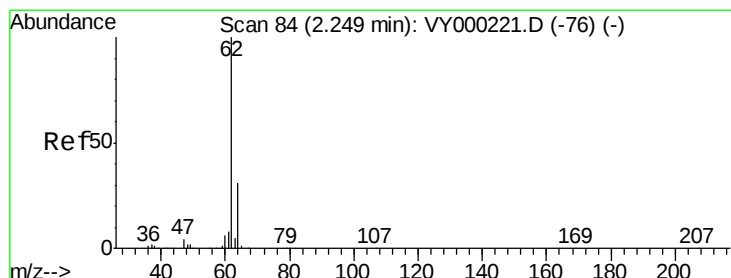
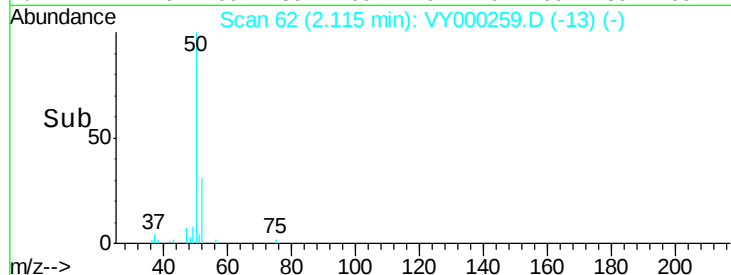
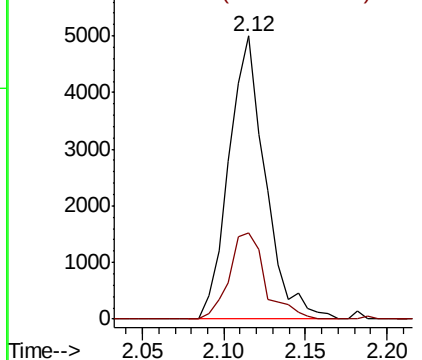
MMDadoda

10/14/2019 1:33:52 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 2.345 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000259.D

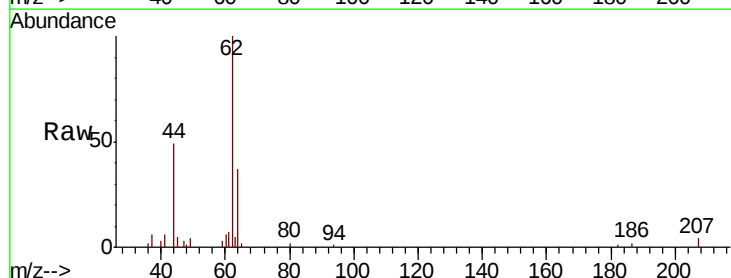
Acq: 10 Oct 2019 17:29

Tgt Ion: 62 Resp: 7950

Ion Ratio Lower Upper

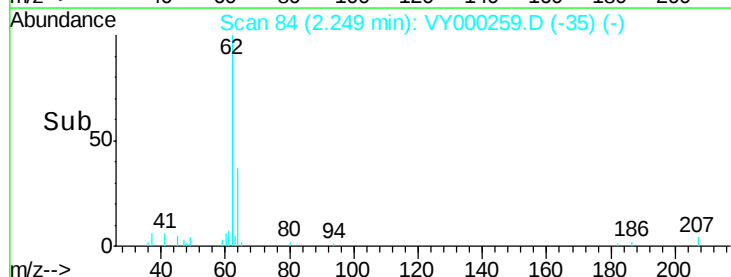
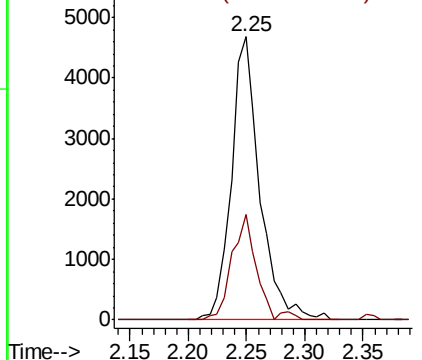
62 100

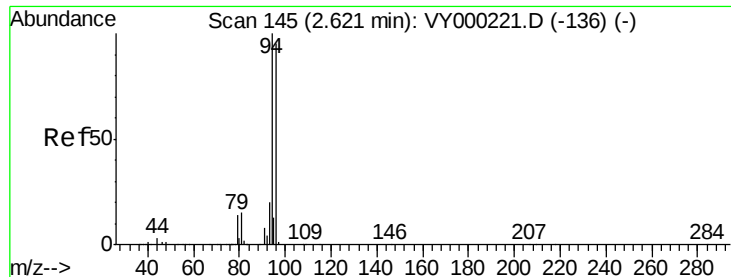
64 37.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 3.476 ug/l

RT: 2.64 min Scan# 148

Delta R.T. 0.02 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 94 Resp: 7434

Ion Ratio Lower Upper

94 100

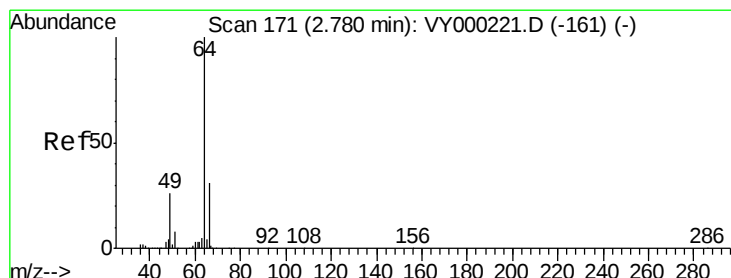
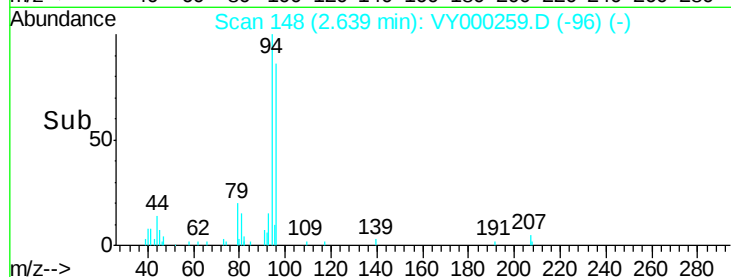
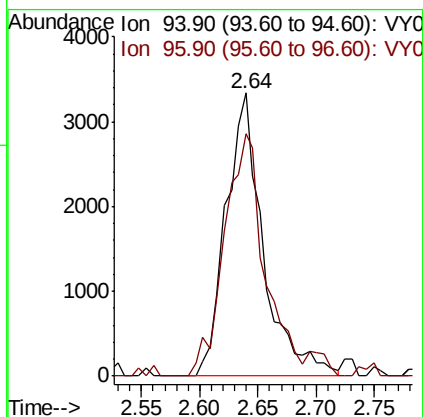
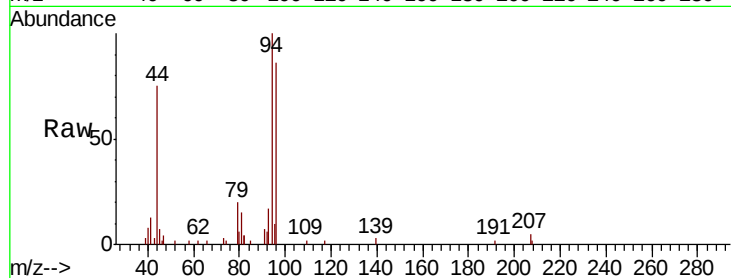
96 85.5 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:33:52 PM



#6

Chloroethane

Concen: 2.518 ug/l

RT: 2.80 min Scan# 175

Delta R.T. 0.02 min

Lab File: VY000259.D

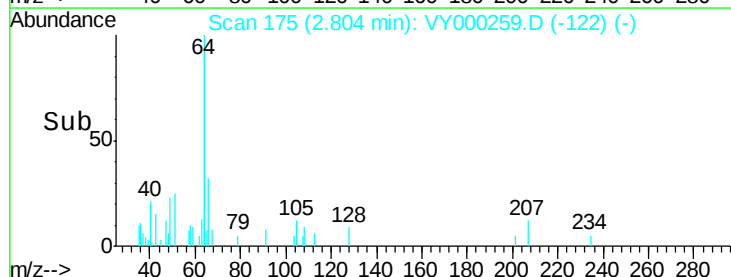
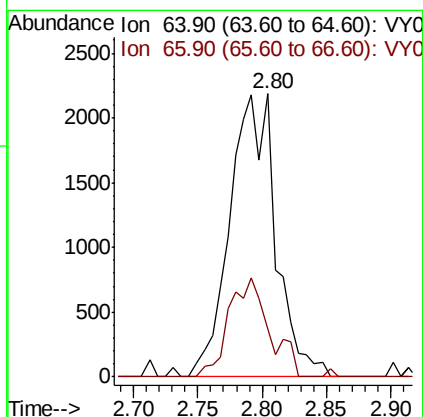
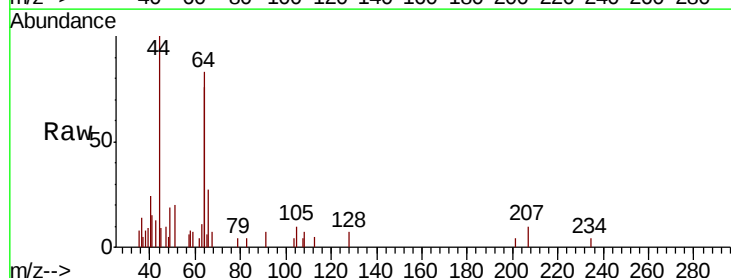
Acq: 10 Oct 2019 17:29

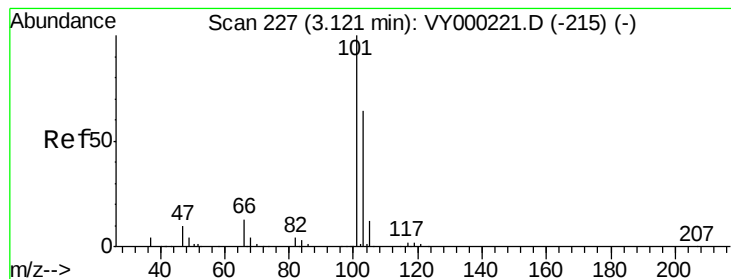
Tgt Ion: 64 Resp: 5392

Ion Ratio Lower Upper

64 100

66 16.7 24.5 36.7#





#7

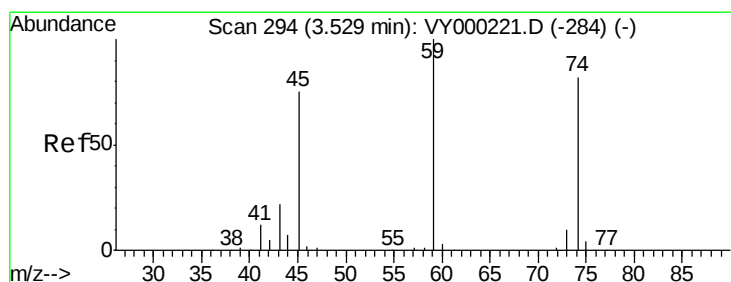
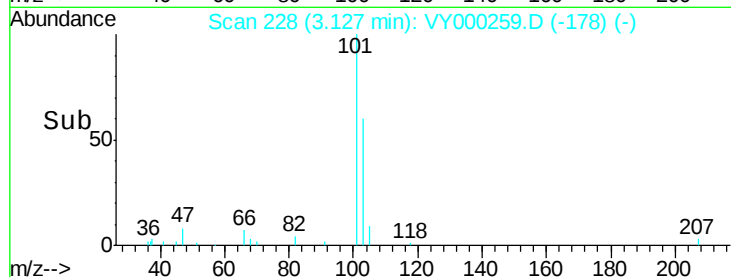
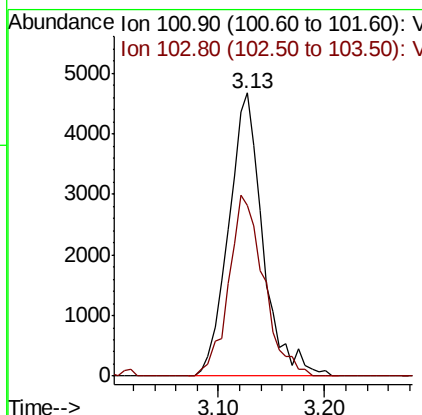
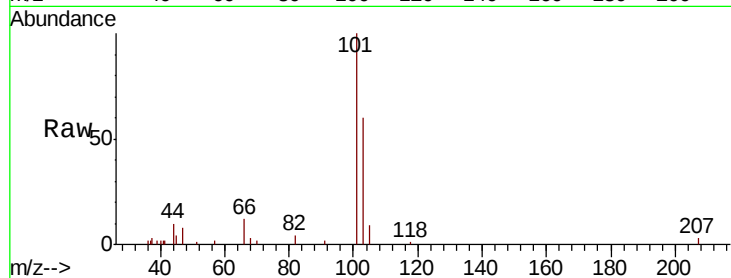
Trichlorofluoromethane
Concen: 2.399 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	51.0	76.6

Manual Integrations
APPROVED

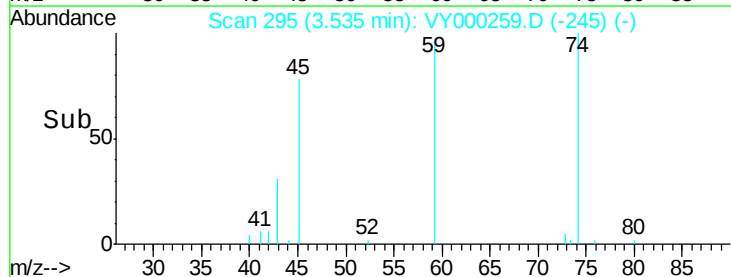
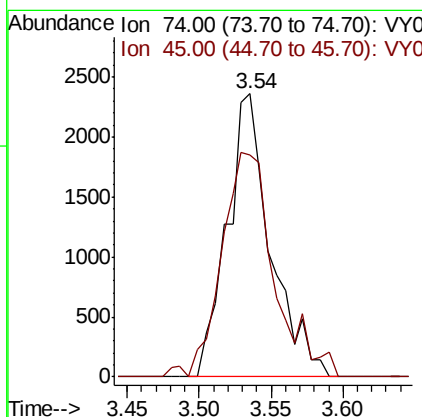
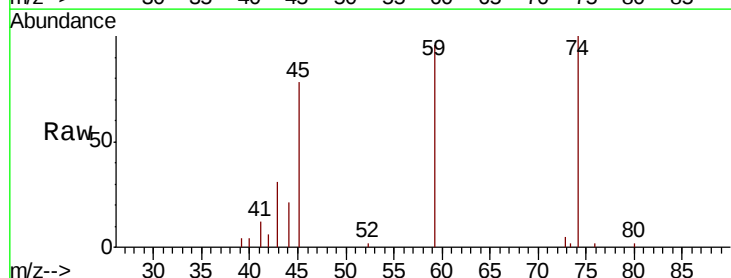
MMDadoda
10/14/2019 1:33:52 PM

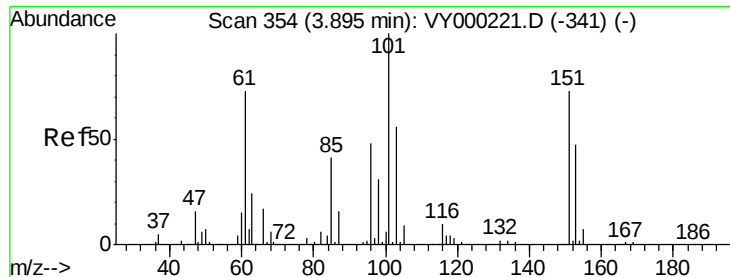


#8

Diethyl Ether
Concen: 2.479 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	45.8	137.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.368 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

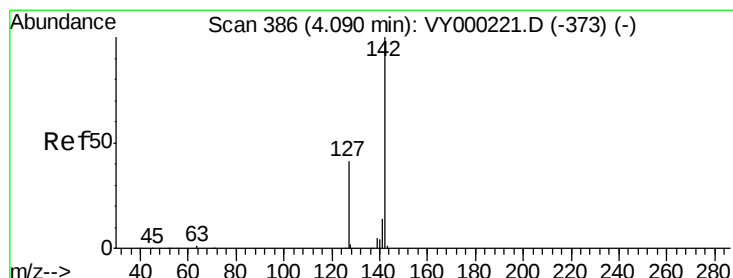
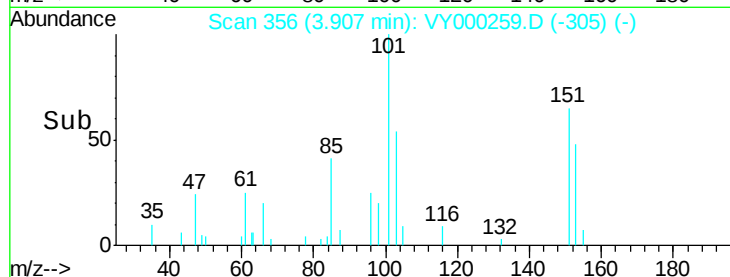
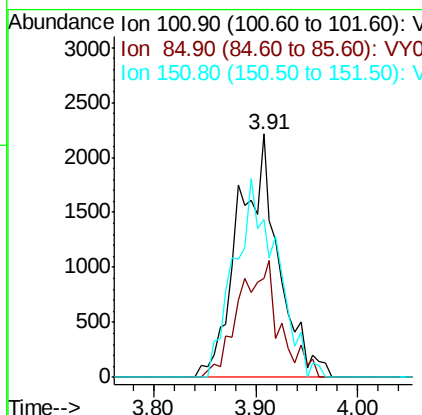
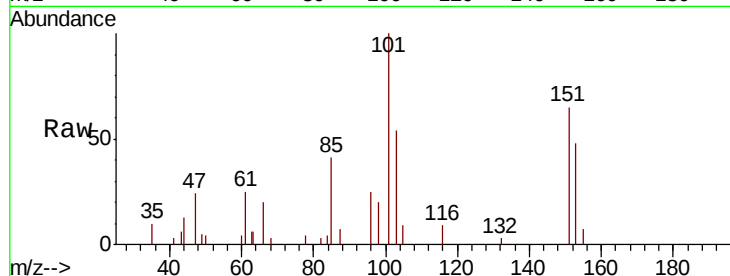
ClientSampleId :

2.5PPBMDL

Tot Ion:	101	Resp:	6056
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.0	55.6
151	86.0	63.0	94.4

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM



#10

Methyl Iodide

Concen: 1.392 ug/l

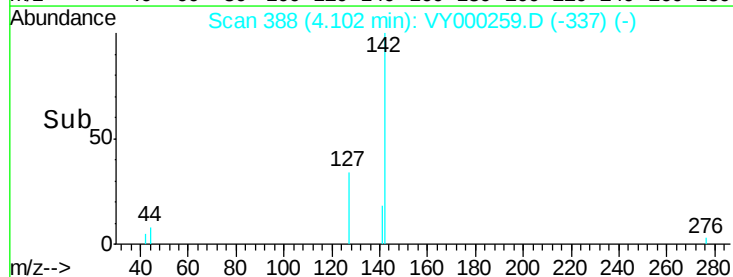
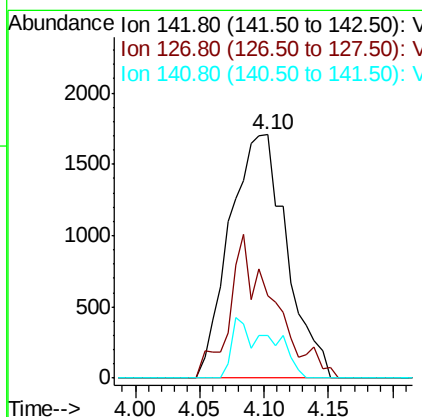
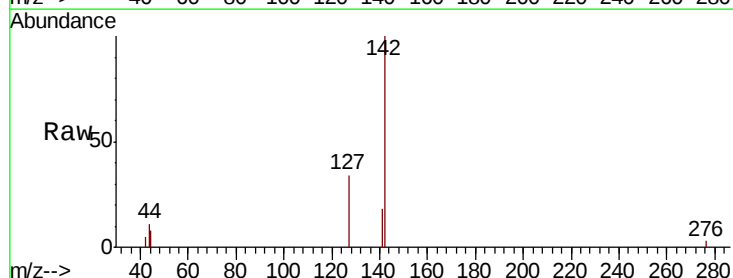
RT: 4.10 min Scan# 388

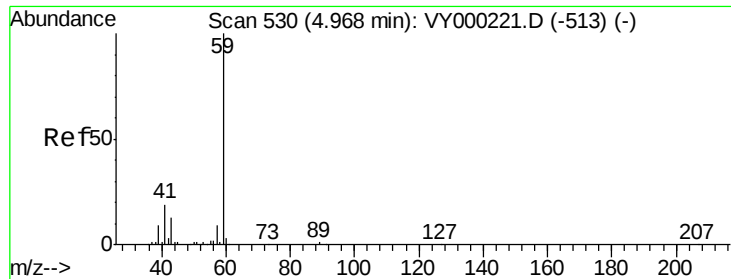
Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Tgt Ion:	142	Resp:	5250
Ion Ratio	Lower	Upper	
142	100		
127	0.0	33.0	49.6#
141	0.0	11.0	16.4#





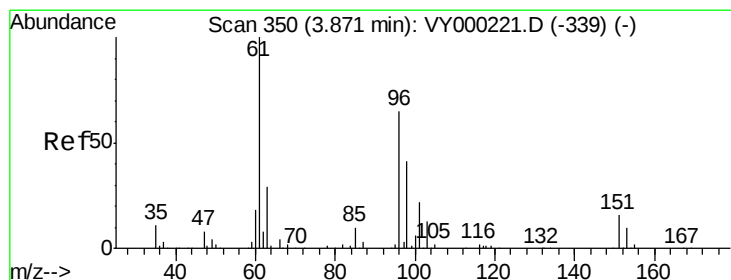
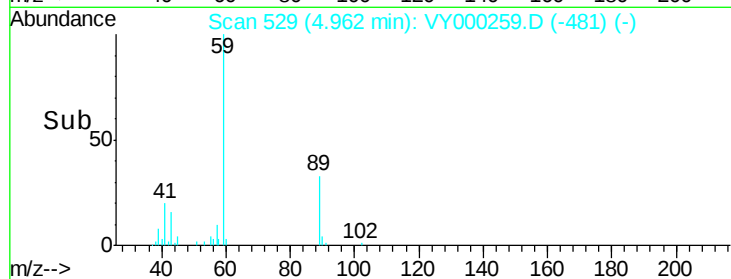
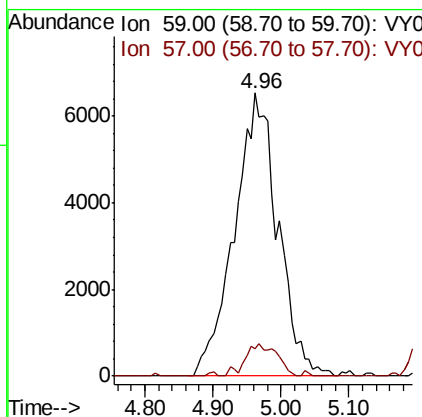
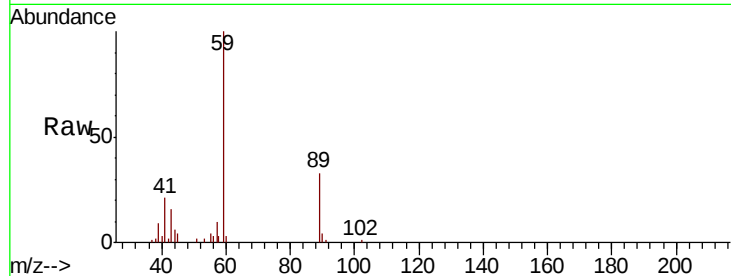
#11
Tert butyl alcohol
Concen: 17.116 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
59	100	28884		
57	8.4		8.0	12.0

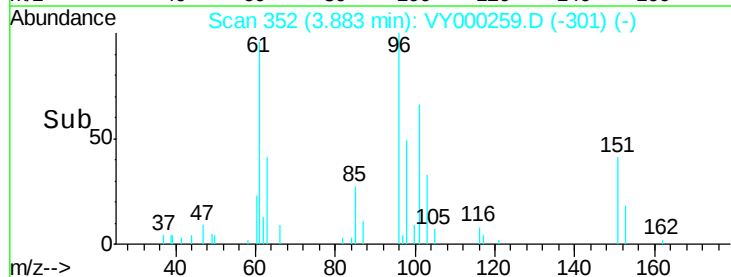
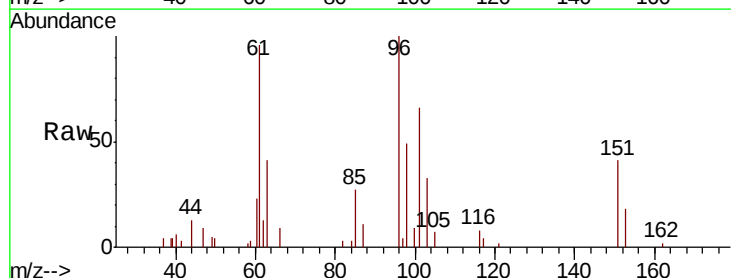
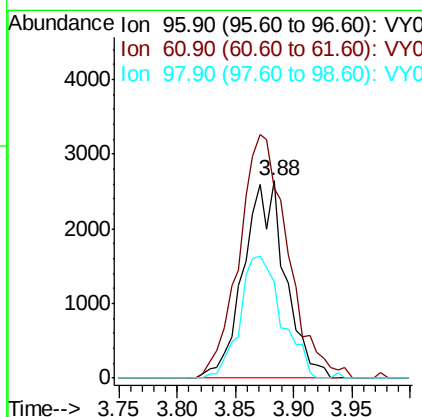
Manual Integrations
APPROVED

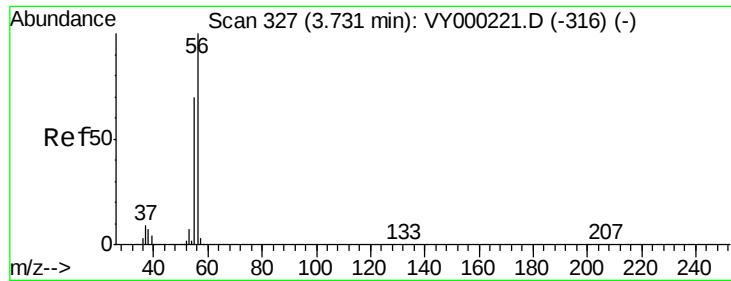
MMDadoda
10/14/2019 1:33:52 PM



#12
1,1-Dichloroethene
Concen: 2.469 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	6556		
61	96.3		123.8	185.8#
98	49.0		50.9	76.3#





#13

Acrolein

Concen: 13.459 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 56 Resp: 11922

Ion Ratio Lower Upper

56 100

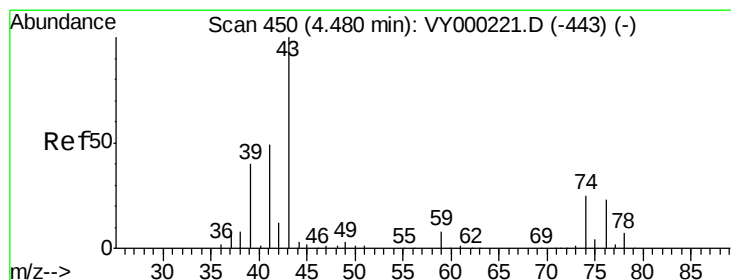
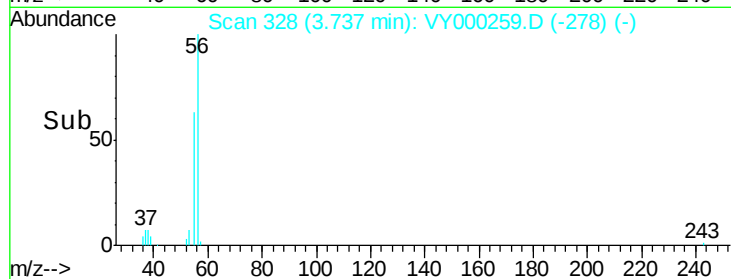
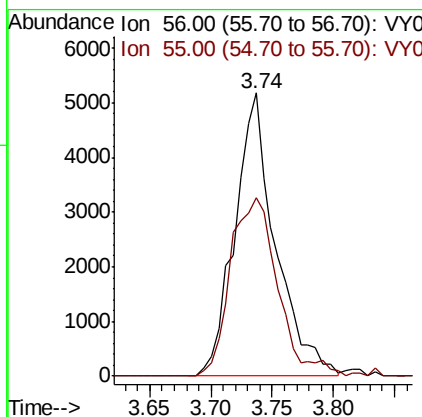
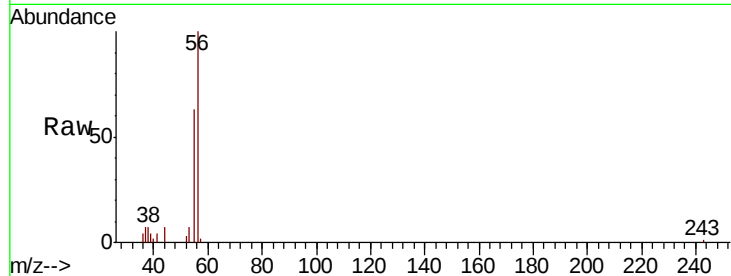
55 73.2 55.2 82.8

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:33:52 PM



#14

Allyl chloride

Concen: 2.349 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

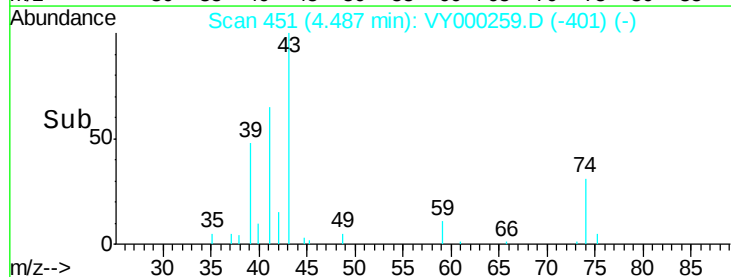
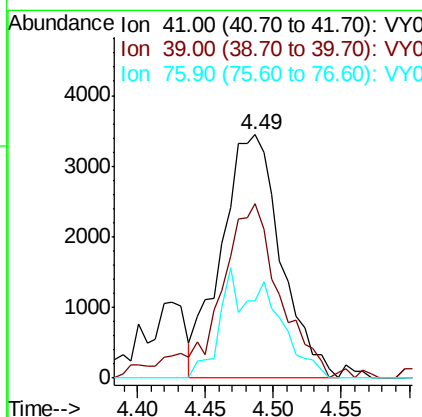
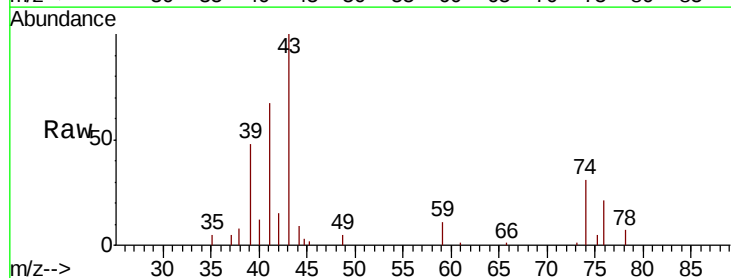
Tgt Ion: 41 Resp: 10509

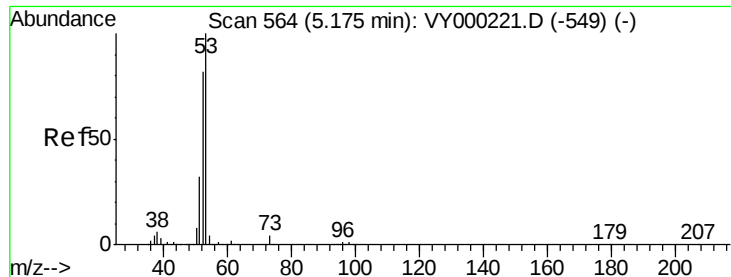
Ion Ratio Lower Upper

41 100

39 74.1 56.4 84.6

76 22.5 30.8 46.2#





#15

Acrylonitrile

Concen: 12.229 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

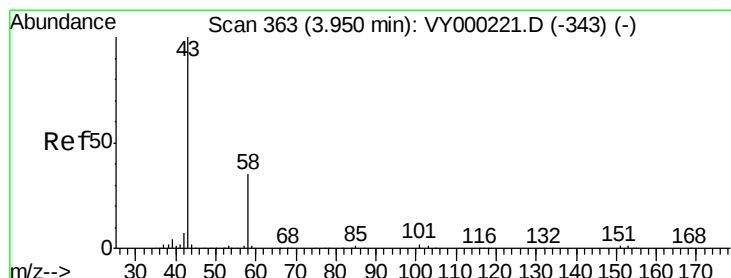
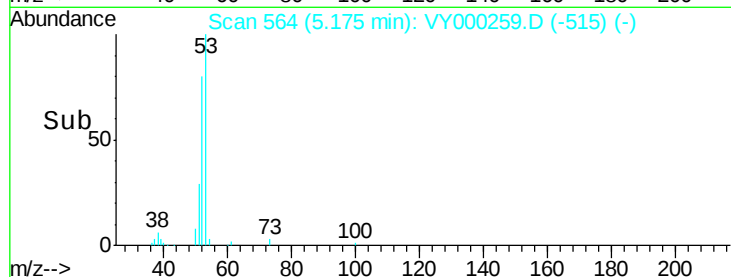
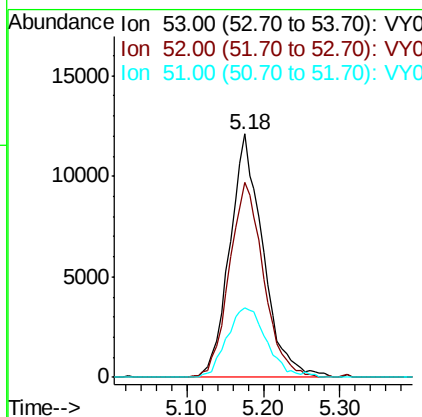
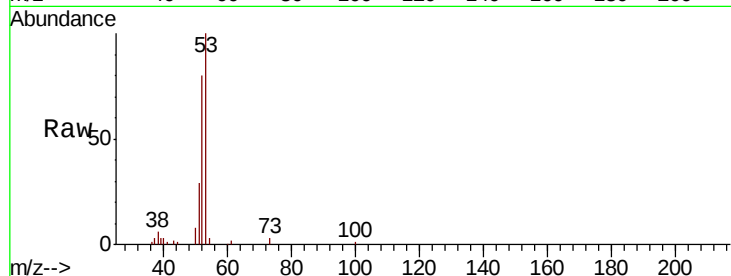
ClientSampleId :

2.5PPBMDL

Tot Ion:	53	Resp:	36430
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.4	98.2
51	33.9	27.2	40.8

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM



#16

Acetone

Concen: 13.259 ug/l

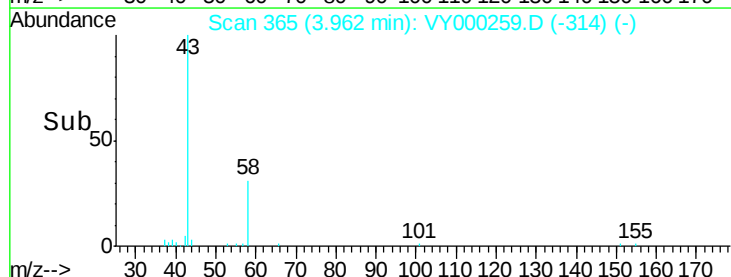
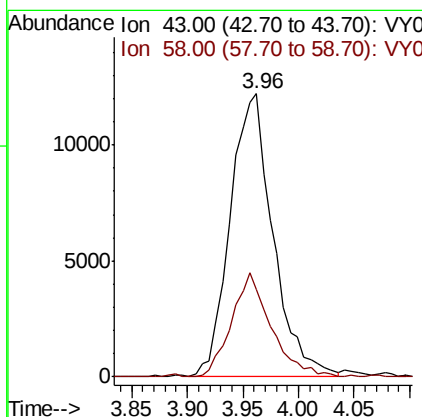
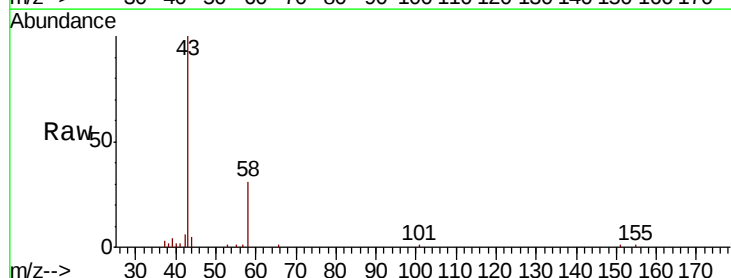
RT: 3.96 min Scan# 365

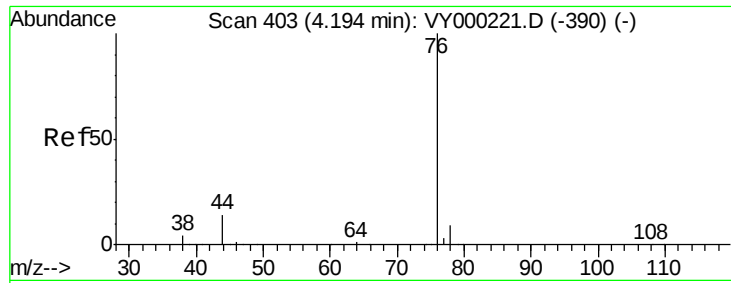
Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Tgt Ion:	43	Resp:	32620
Ion	Ratio	Lower	Upper
43	100		
58	31.0	28.2	42.4





#17

Carbon Disulfide

Concen: 2.034 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 76 Resp: 15922

Ion Ratio Lower Upper

76 100

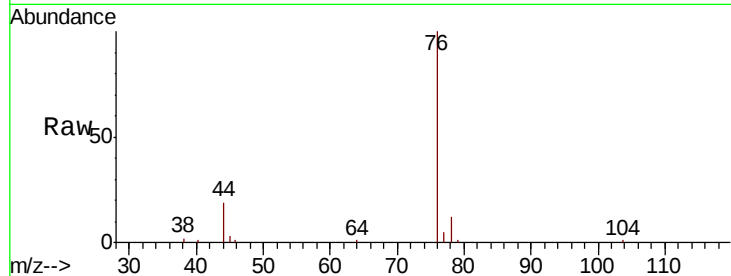
78 11.9 7.0 10.6#

Manual Integrations

APPROVED

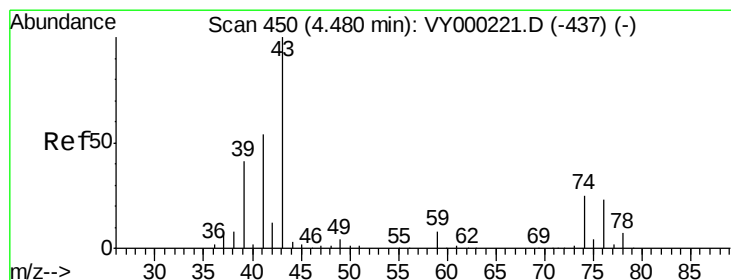
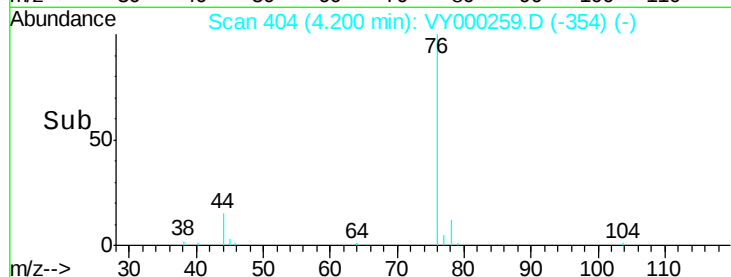
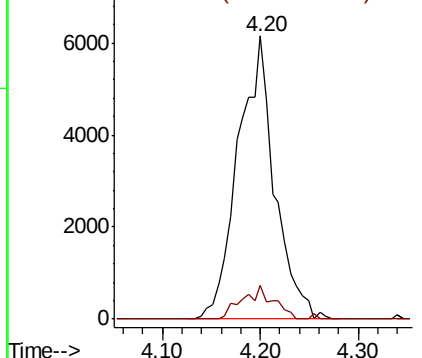
MMDadoda

10/14/2019 1:33:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 2.536 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.00 min

Lab File: VY000259.D

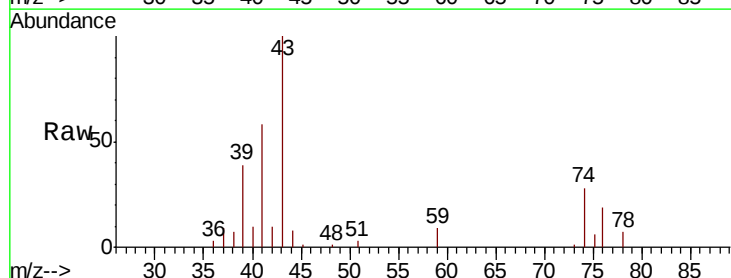
Acq: 10 Oct 2019 17:29

Tgt Ion: 43 Resp: 17097

Ion Ratio Lower Upper

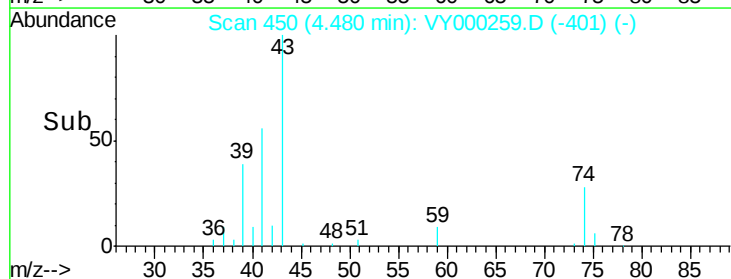
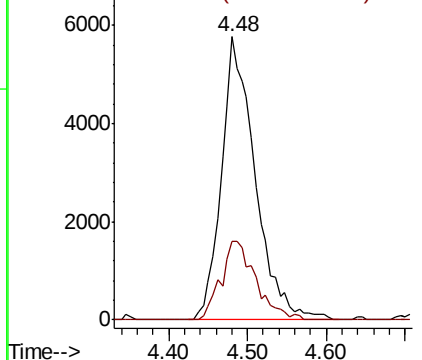
43 100

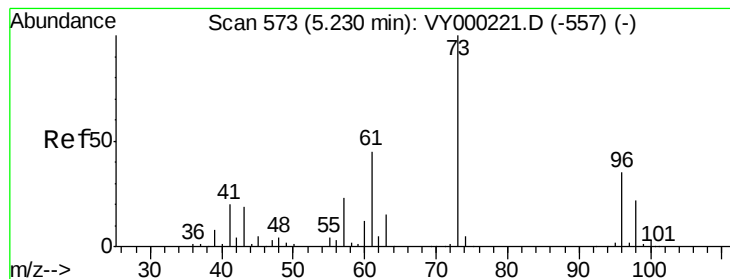
74 28.7 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#19

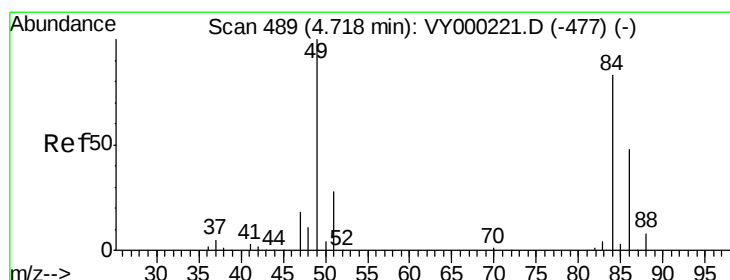
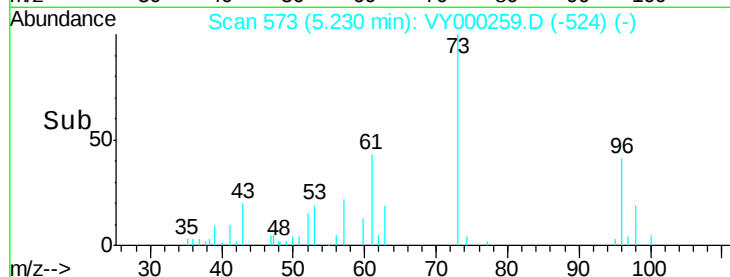
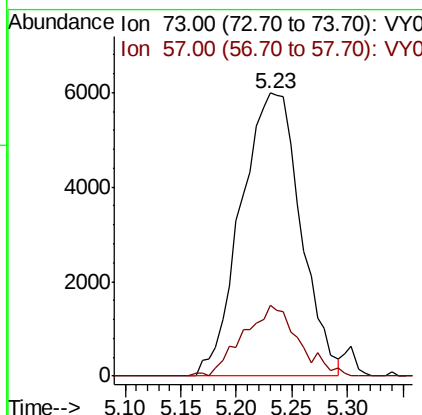
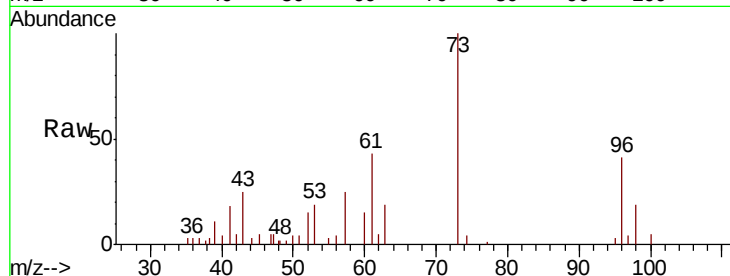
Methyl tert-butyl Ether
Concen: 2.298 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.0	18.4	27.6

Manual Integrations
APPROVED

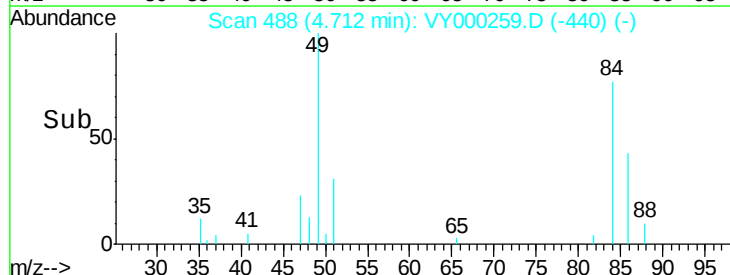
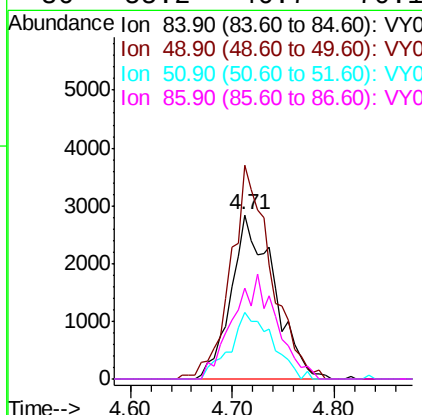
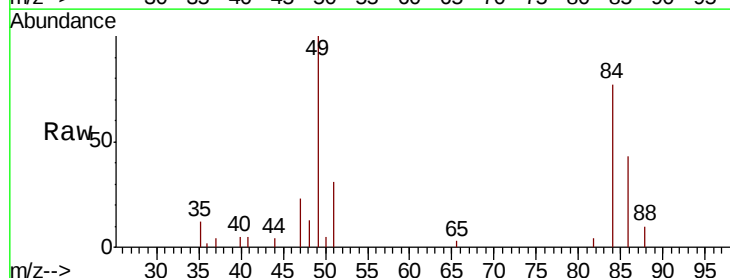
MMDadoda
10/14/2019 1:33:52 PM

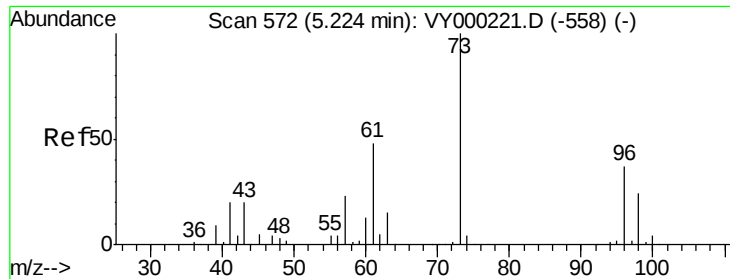


#20

Methylene Chloride
Concen: 2.573 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.9	96.2	144.2
51	40.7	26.6	39.8
86	55.2	46.7	70.1





#21

trans-1,2-Dichloroethene

Concen: 2.322 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

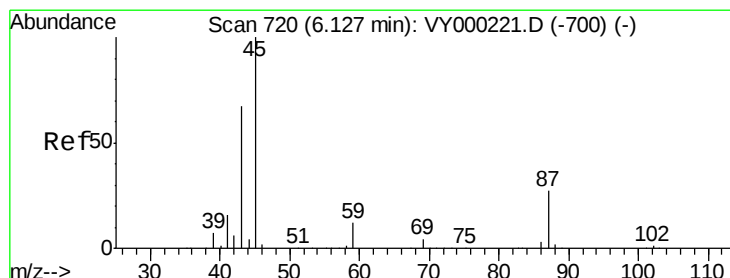
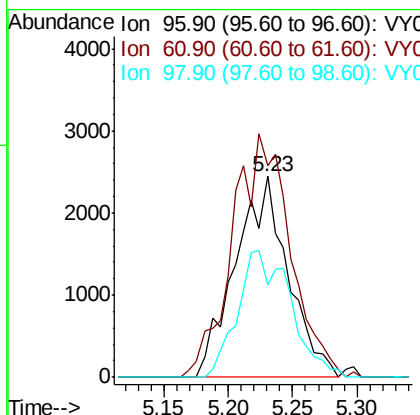
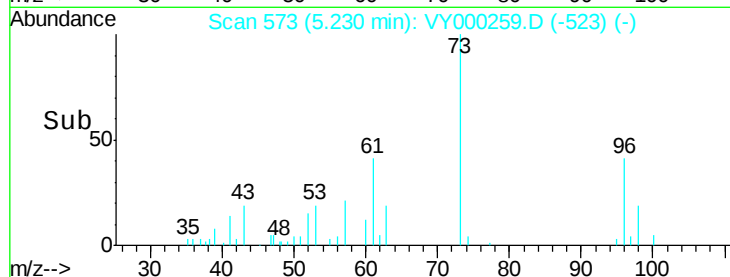
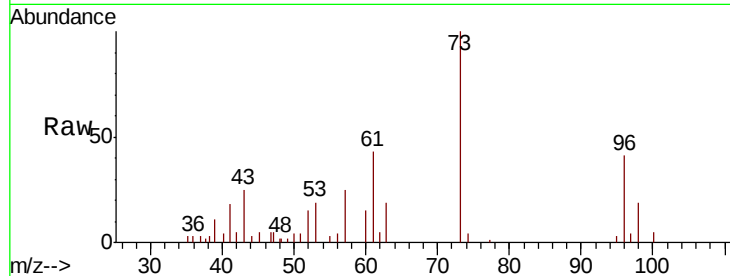
ClientSampleId :

2.5PPBMDL

Tot Ion:	96	Resp:	6935
Ion	Ratio	Lower	Upper
96	100		
61	101.8	104.2	156.2#
98	46.0	51.0	76.6#

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM



#22

Diisopropyl ether

Concen: 2.399 ug/l

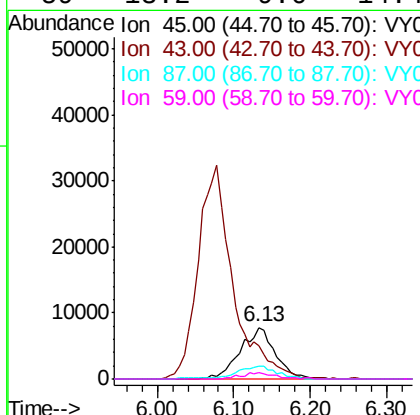
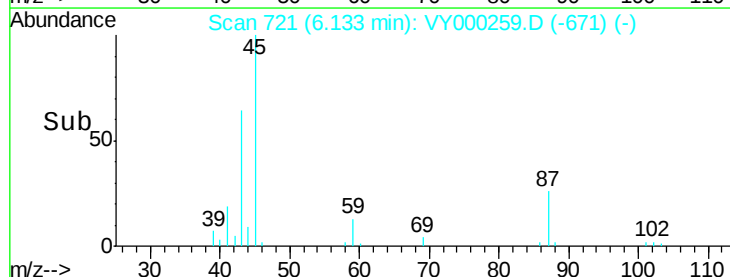
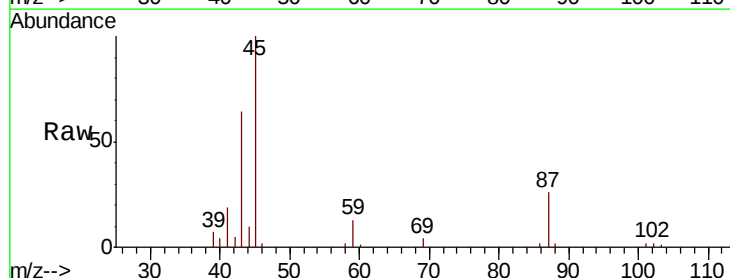
RT: 6.13 min Scan# 721

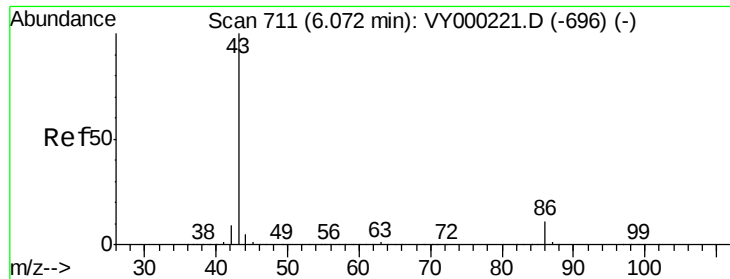
Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Tgt Ion:	45	Resp:	24867
Ion	Ratio	Lower	Upper
45	100		
43	63.2	53.4	80.2
87	25.8	21.7	32.5
59	13.2	9.6	14.4





#23

Vinyl Acetate

Concen: 10.980 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 103090

Ion Ratio Lower Upper

43 100

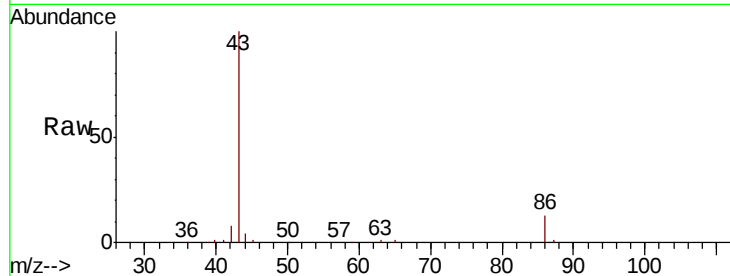
86 12.7 8.5 12.7

Manual Integrations

APPROVED

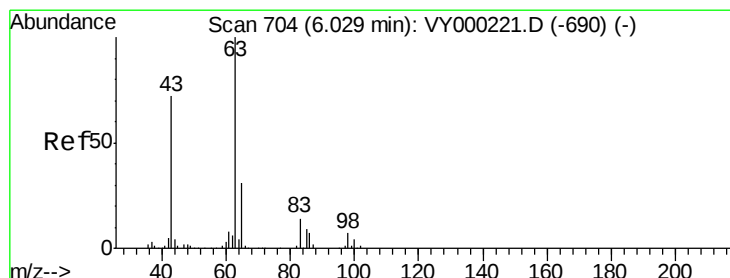
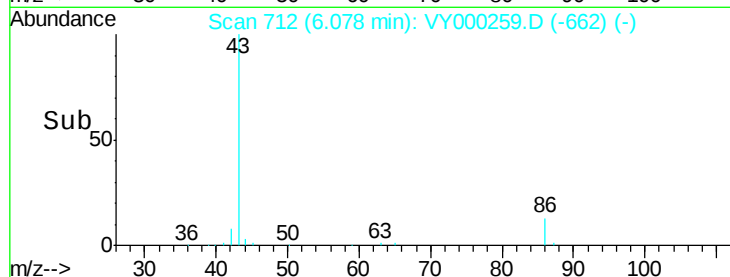
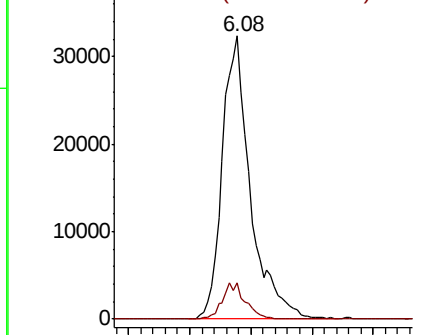
MMDadoda

10/14/2019 1:33:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 2.237 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

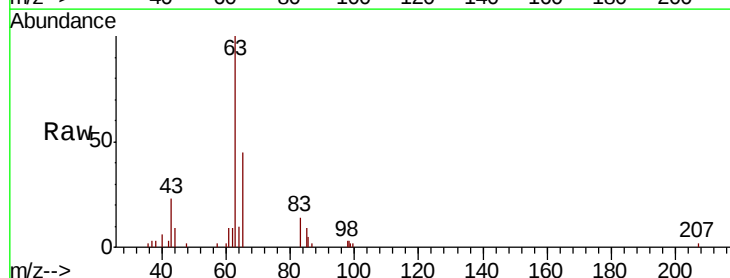
Tgt Ion: 63 Resp: 11828

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.6

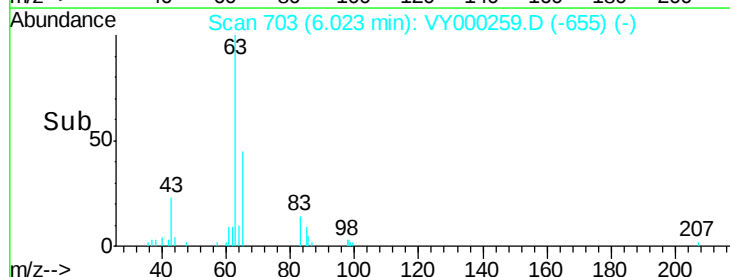
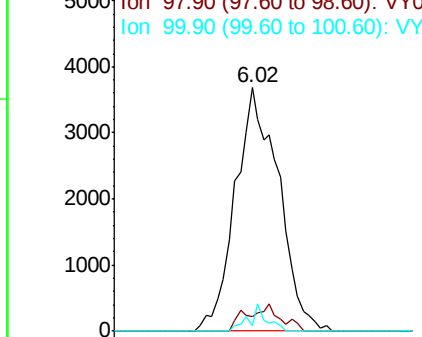
100 2.3 2.1 6.5

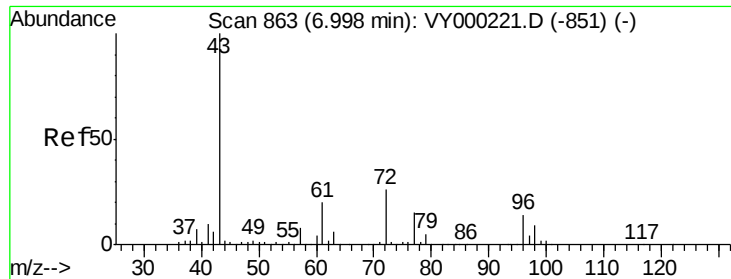


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 12.242 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 55716

Ion Ratio Lower Upper

43 100

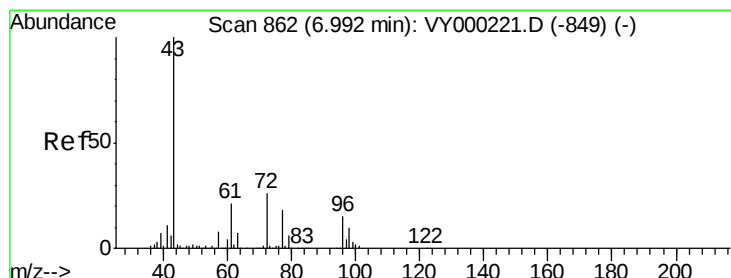
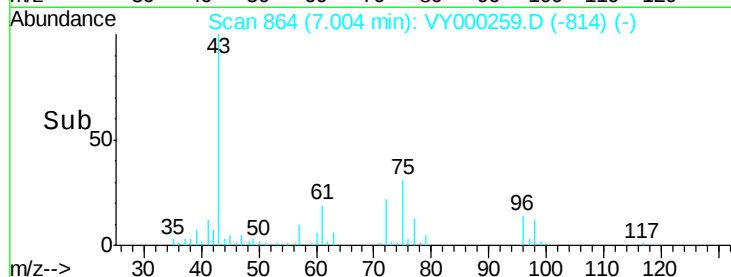
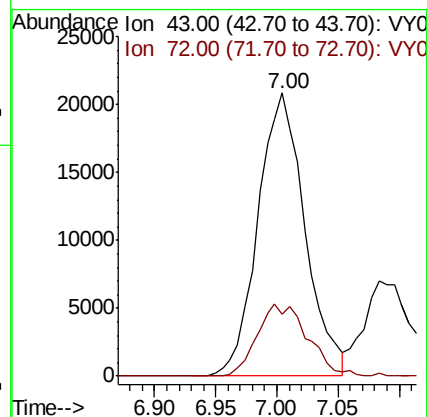
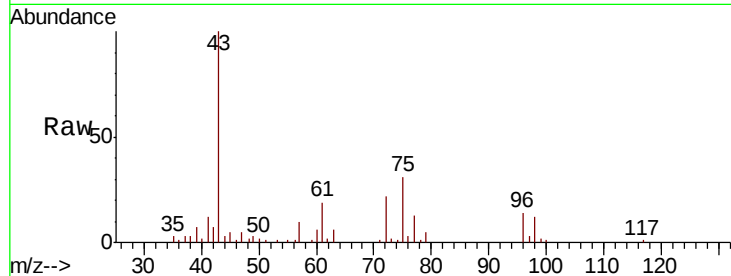
72 22.0 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:33:52 PM



#26

2,2-Dichloropropane

Concen: 2.384 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000259.D

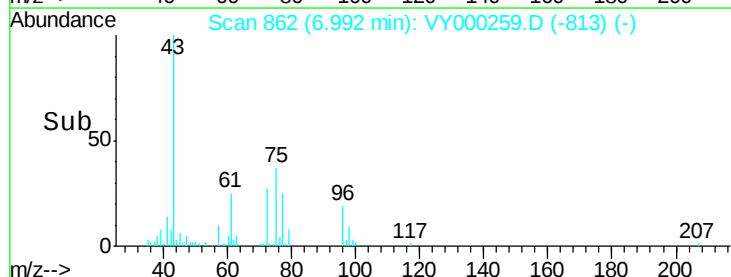
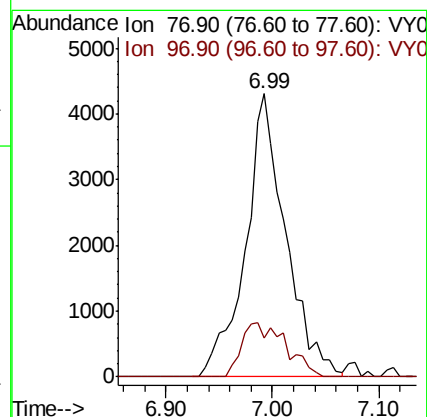
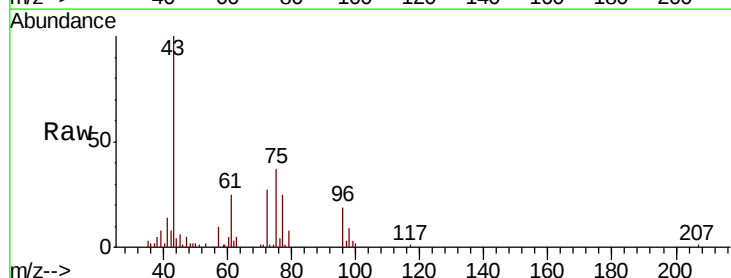
Acq: 10 Oct 2019 17:29

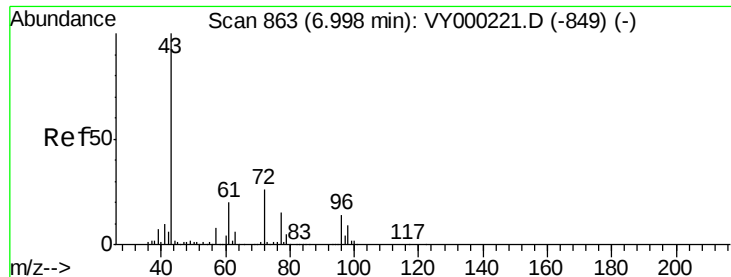
Tgt Ion: 77 Resp: 11377

Ion Ratio Lower Upper

77 100

97 21.2 11.7 35.0





#27

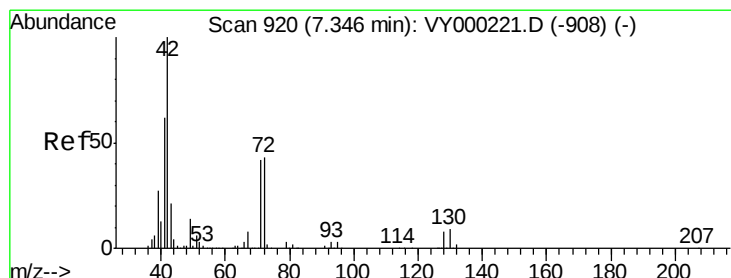
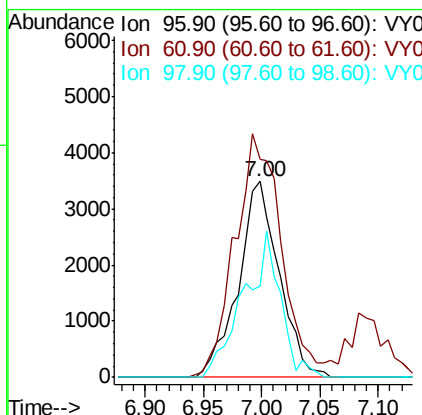
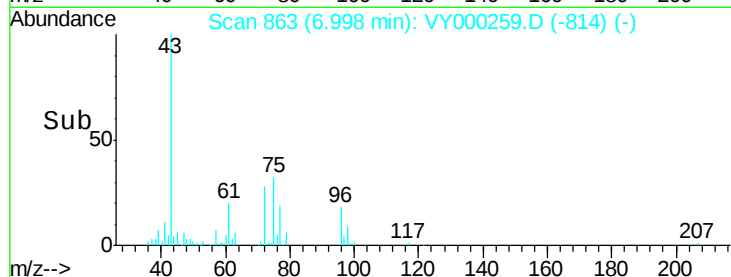
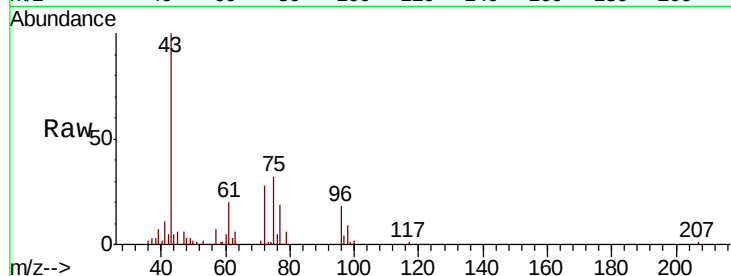
cis-1,2-Dichloroethene
Concen: 2.419 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	282.6
98	67.3	0.0	129.8

Manual Integrations
APPROVED

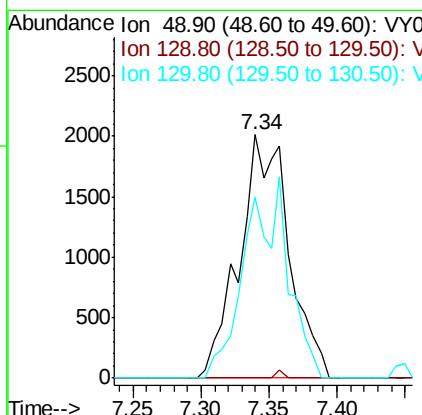
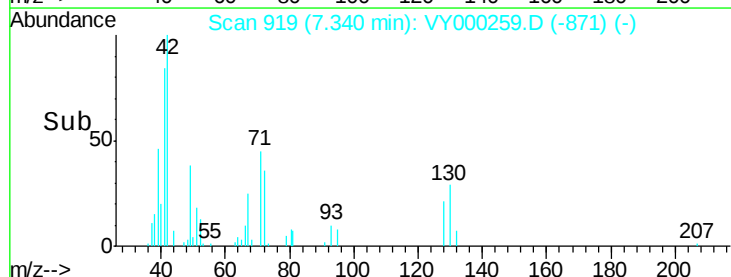
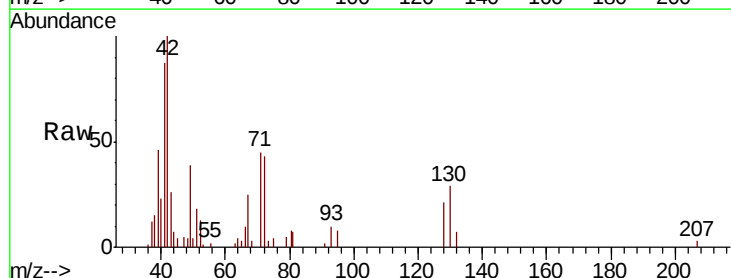
MMDadoda
10/14/2019 1:33:52 PM

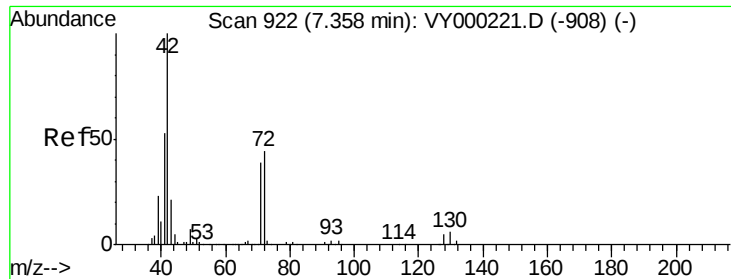


#28

Bromochloromethane
Concen: 2.956 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.2
130	70.8	56.5	84.7





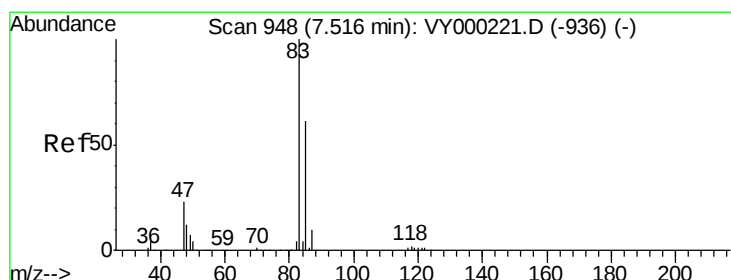
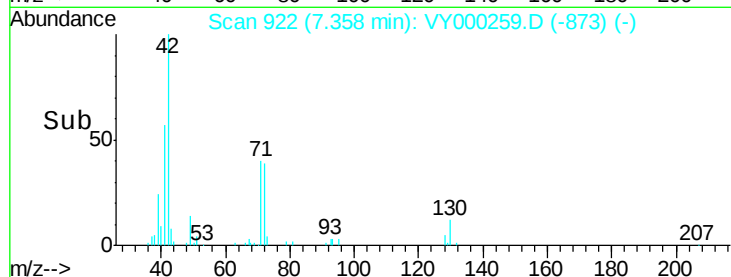
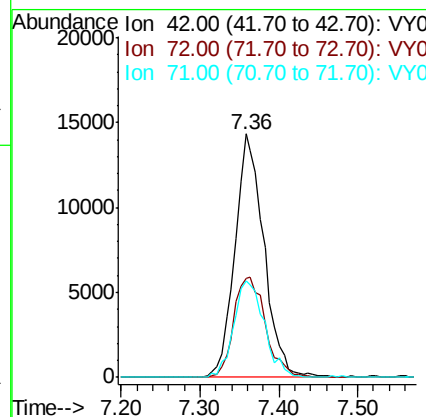
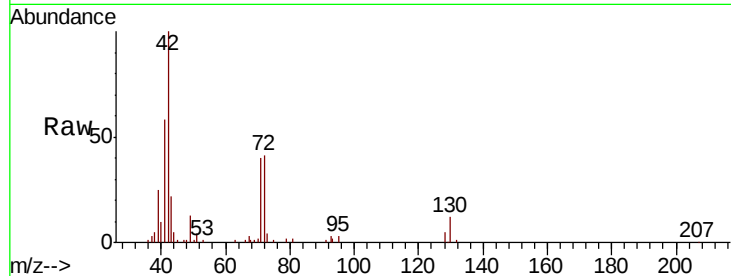
#29
Tetrahydrofuran
Concen: 11.420 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	51.8
71	41.4	31.9	47.9

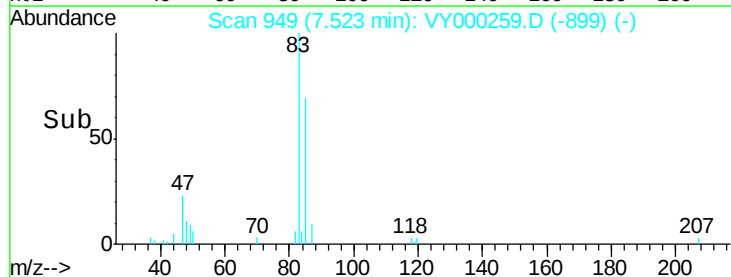
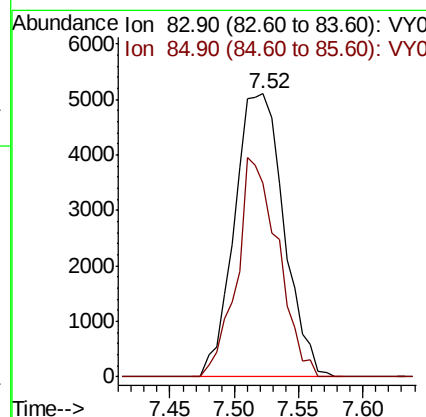
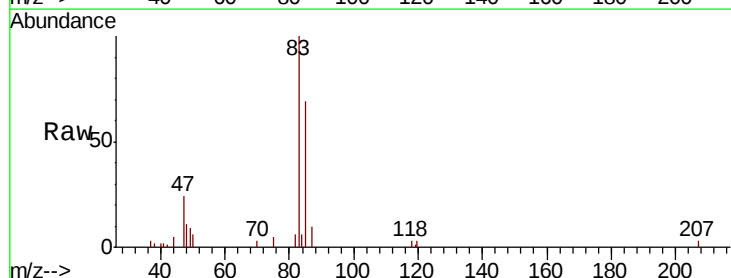
Manual Integrations
APPROVED

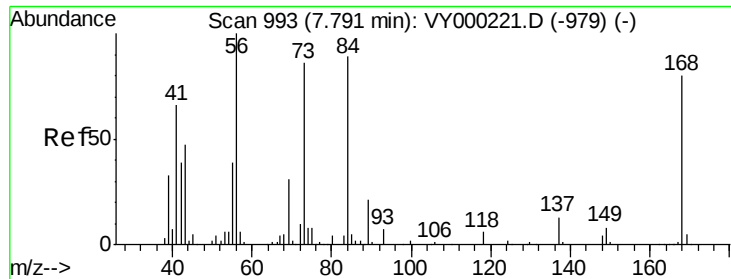
MMDadoda
10/14/2019 1:33:52 PM



#30
Chloroform
Concen: 2.474 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	48.9	73.3





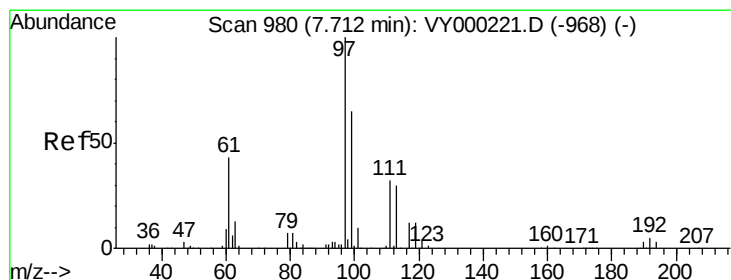
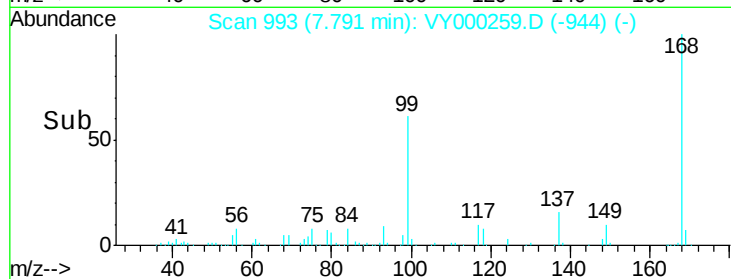
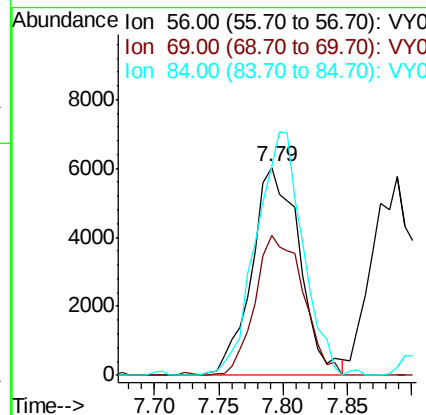
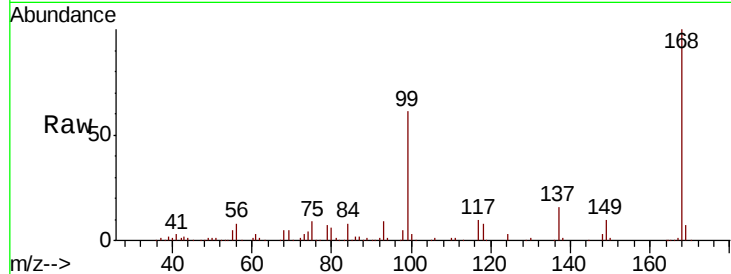
#31
Cyclohexane
Concen: 2.907 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
56	100		
69	67.2	24.7	37.1#
84	100.6	71.3	106.9

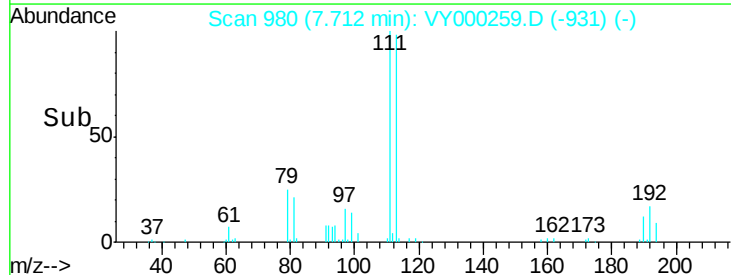
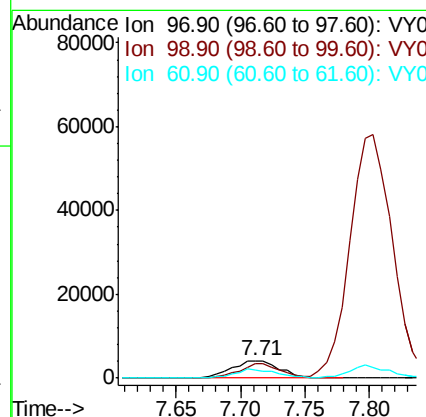
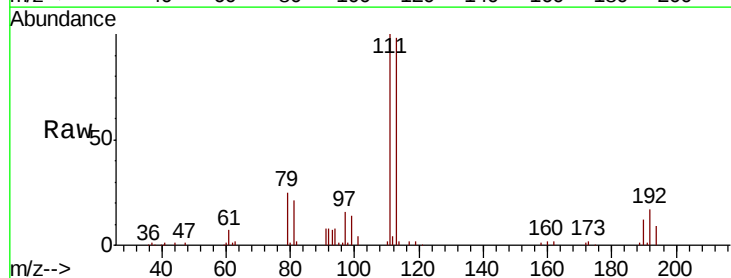
Manual Integrations
APPROVED

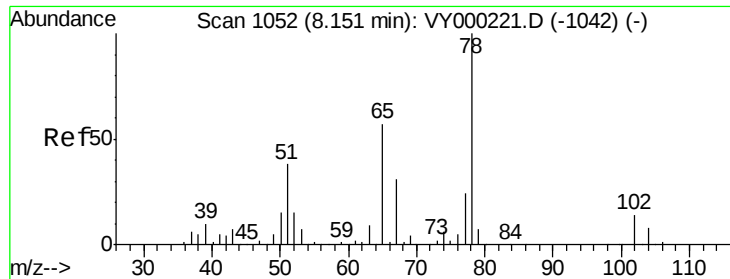
MMDadoda
10/14/2019 1:33:52 PM



#32
1,1,1-Trichloroethane
Concen: 2.299 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	71.7	51.4	77.2
61	47.1	34.2	51.4





#33

1,2-Dichloroethane-d4

Concen: 50.719 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 65 Resp: 157548

Ion Ratio Lower Upper

65 100

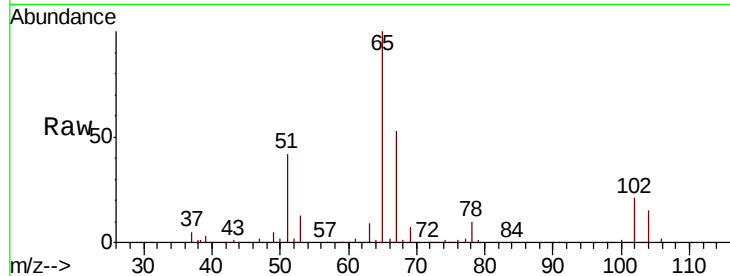
67 53.2 0.0 109.0

Manual Integrations

APPROVED

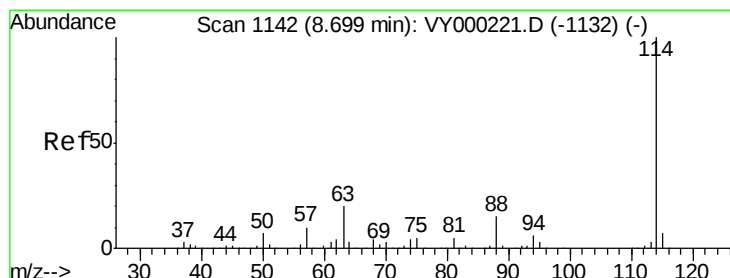
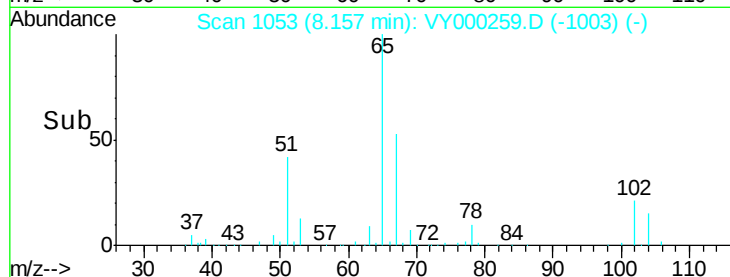
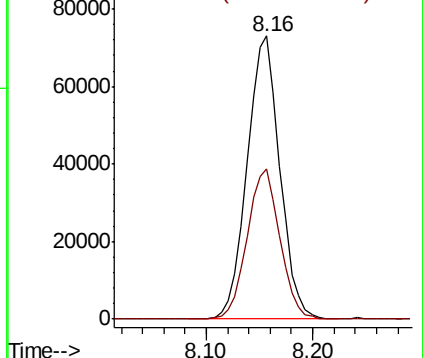
MMDadoda

10/14/2019 1:33:52 PM



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

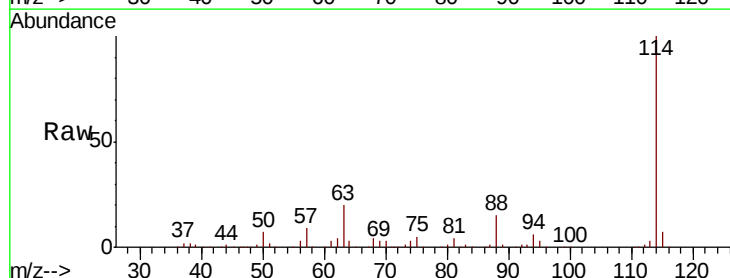
Tgt Ion: 114 Resp: 405743

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

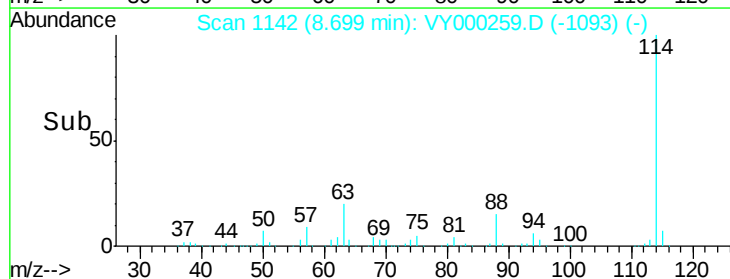
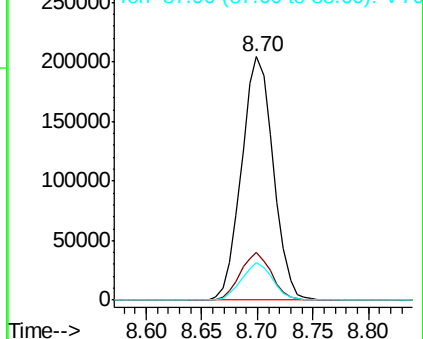
88 15.2 0.0 30.6

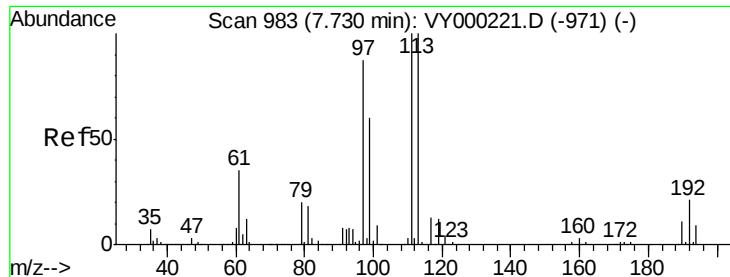


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 49.378 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

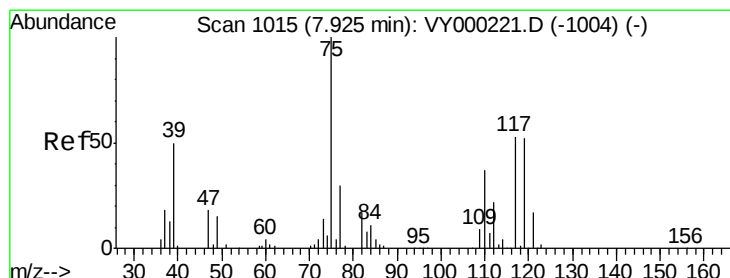
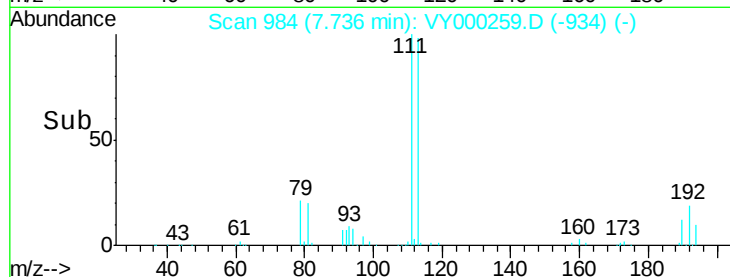
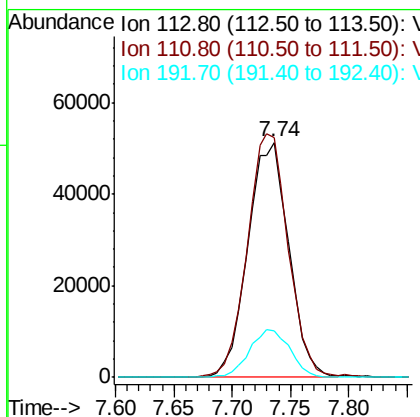
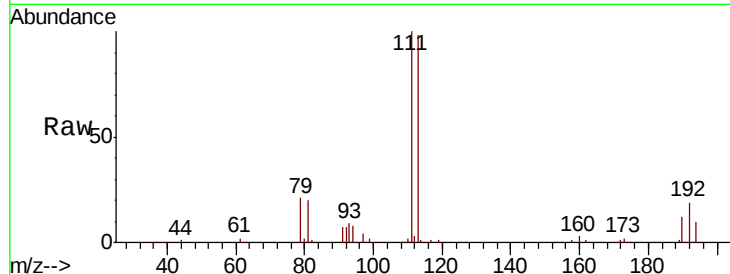
ClientSampleId :

2.5PPBMDL

Tot Ion:	113	Resp:	124831
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.6	124.0
192	20.2	15.8	23.8

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM



#36

1,1-Dichloropropene

Concen: 2.324 ug/l

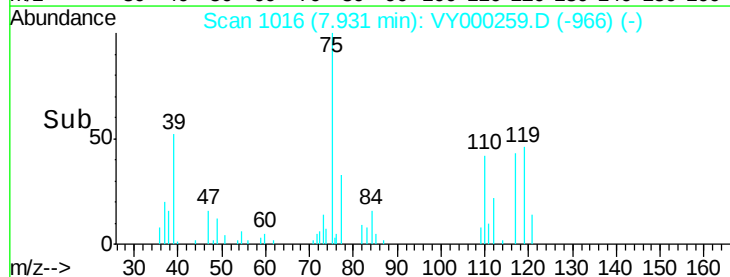
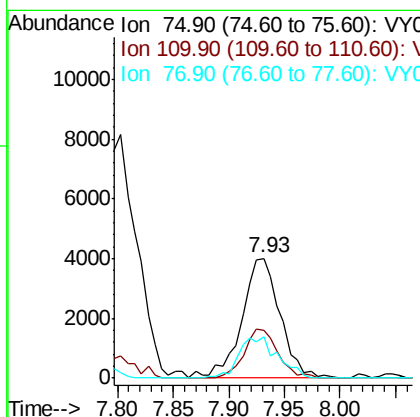
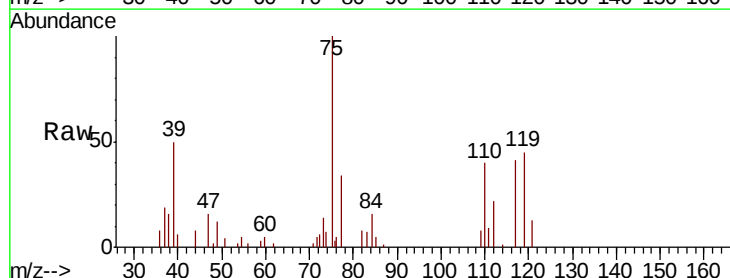
RT: 7.93 min Scan# 1016

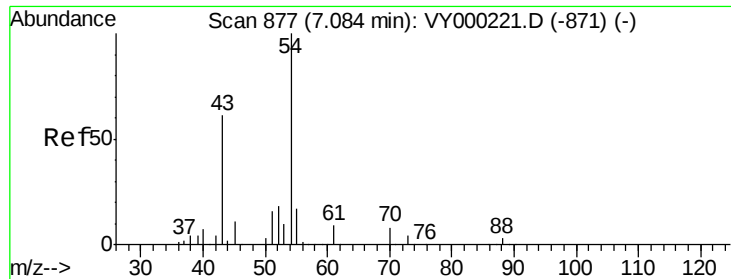
Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Tgt Ion:	75	Resp:	9593
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.4	55.2
77	34.5	24.7	37.1





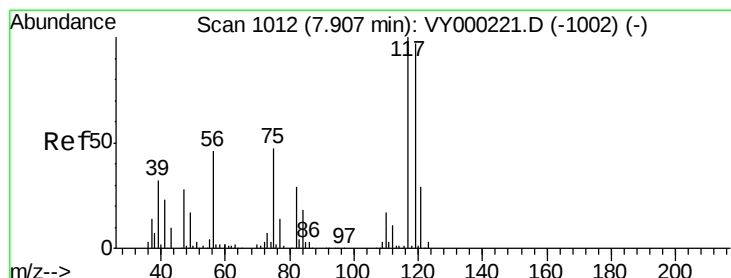
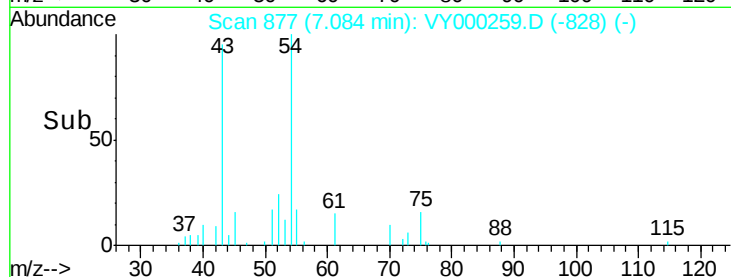
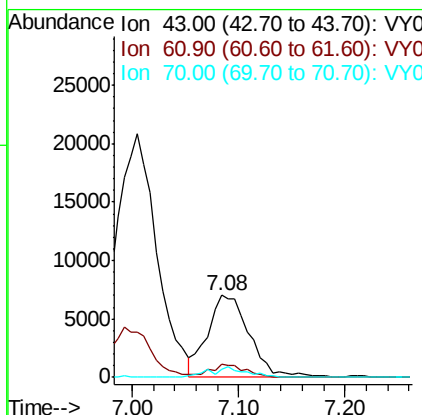
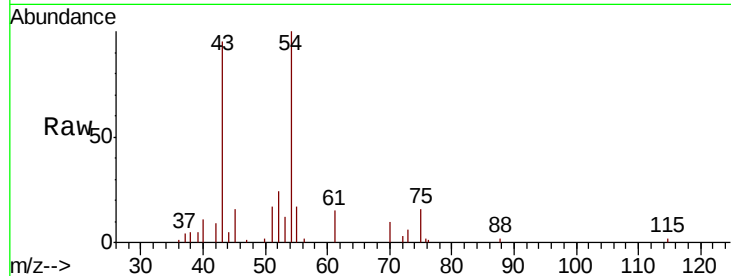
#37
Ethyl Acetate
Concen: 2.558 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	43	61	70
Resp:	19088		
Ion Ratio	100	13.4	10.9
Lower		11.1	8.5
Upper		16.7	12.7

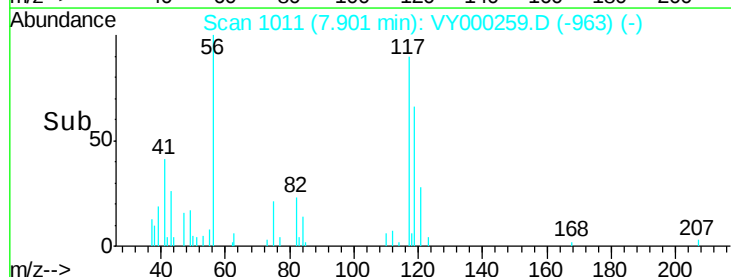
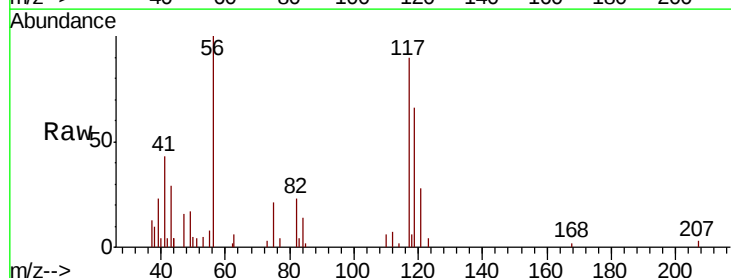
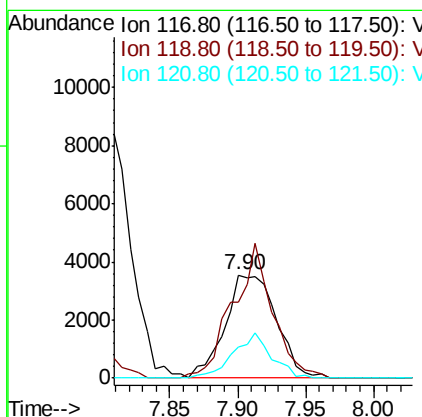
Manual Integrations
APPROVED

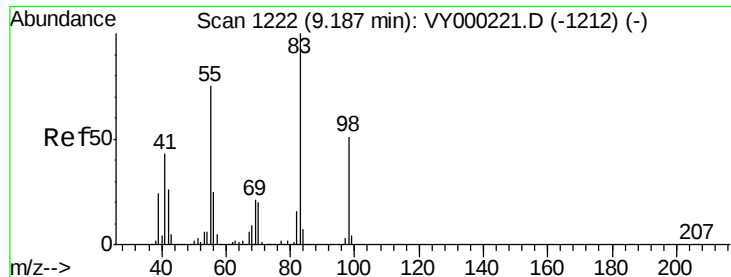
MMDadoda
10/14/2019 1:33:52 PM



#38
Carbon Tetrachloride
Concen: 2.321 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	117	119	121
Resp:	9340		
Ion Ratio	100	73.6	30.5
Lower		77.2	23.1
Upper		115.8#	34.7





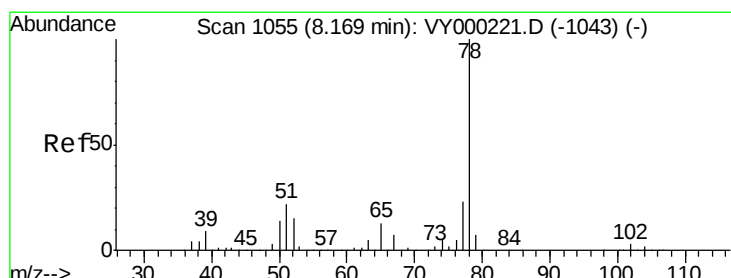
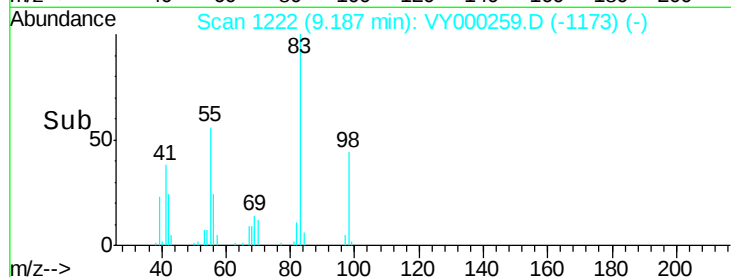
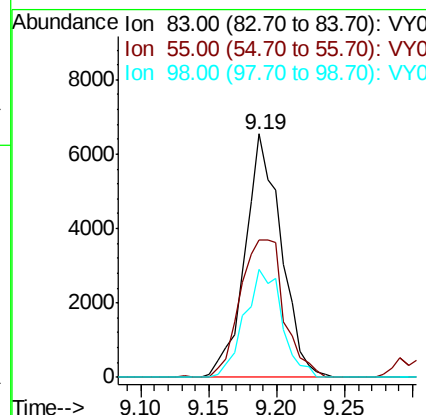
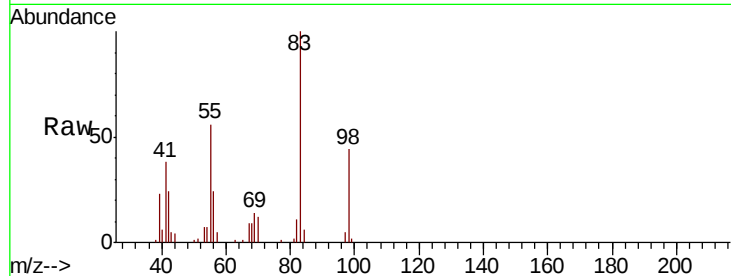
#39
Methvlcvclohexane
Concen: 2.349 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
83	100		
55	56.3	60.2	90.4#
98	44.3	40.5	60.7

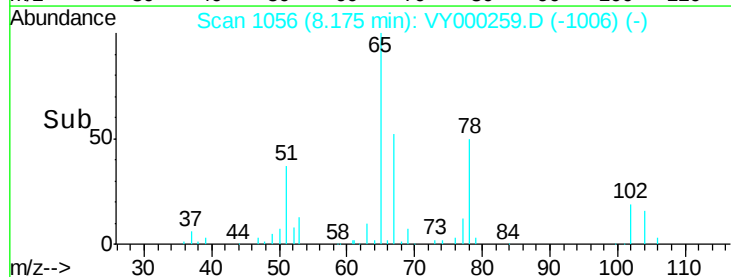
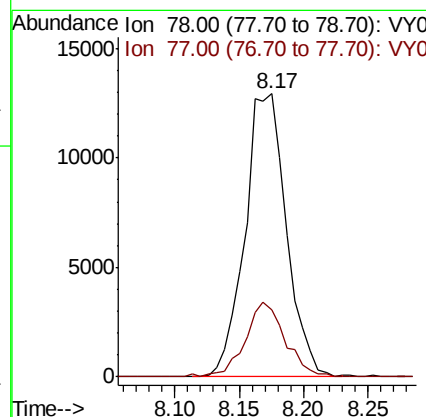
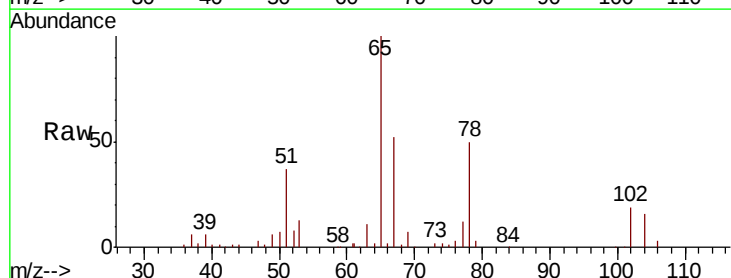
Manual Integrations
APPROVED

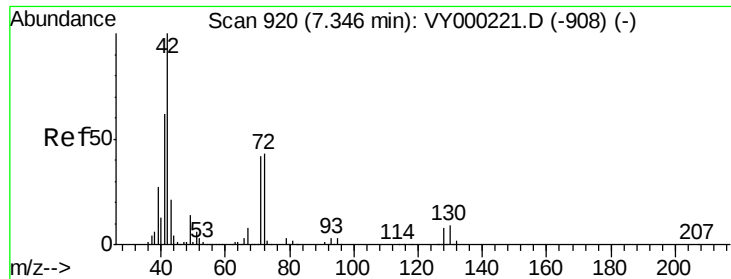
MMDadoda
10/14/2019 1:33:52 PM



#40
Benzene
Concen: 2.300 ug/l
RT: 8.17 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0





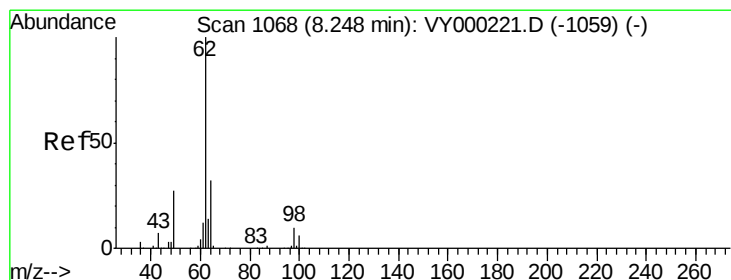
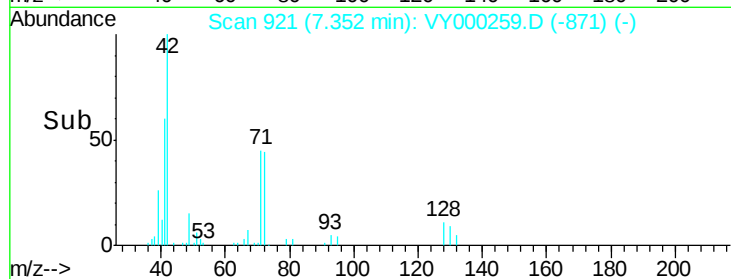
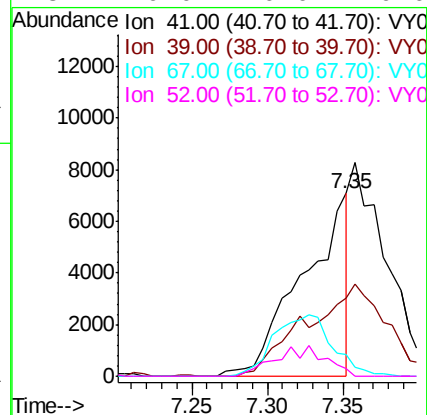
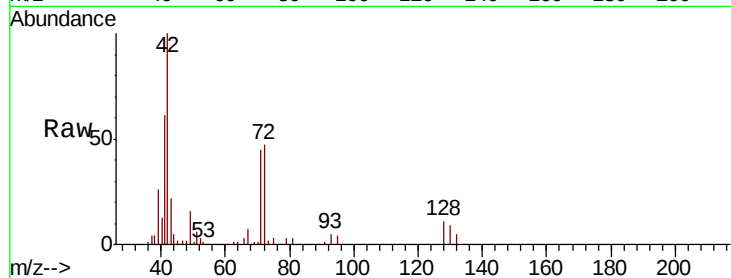
#41
Methacrylonitrile
Concen: 2.556 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	41	Resp	15016
Ion	Ratio	Lower	Upper
41	100		
39	60.8	74.7	112.1#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

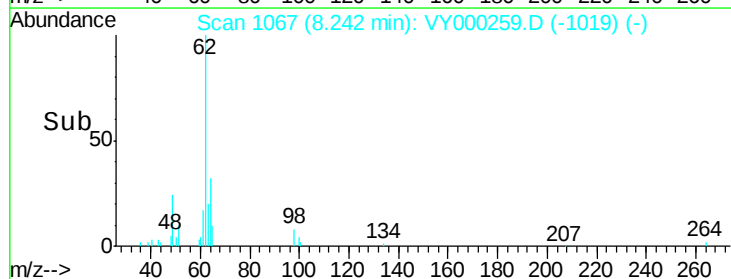
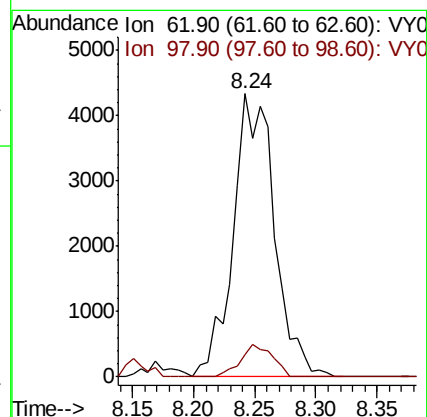
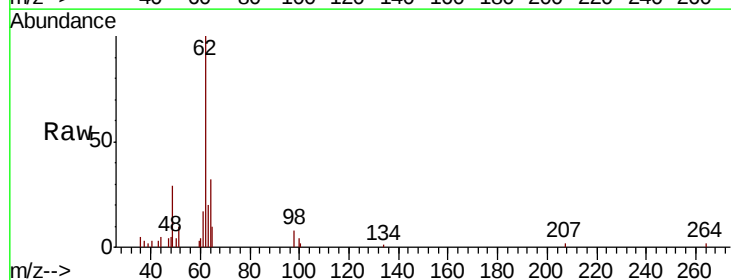
Manual Integrations
APPROVED

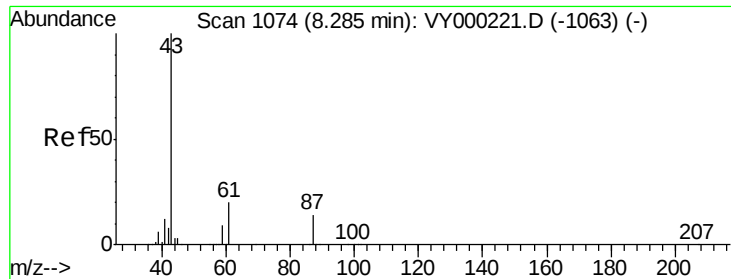
MMDadoda
10/14/2019 1:33:52 PM



#42
1,2-Dichloroethane
Concen: 2.492 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	62	Resp	10135
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.0





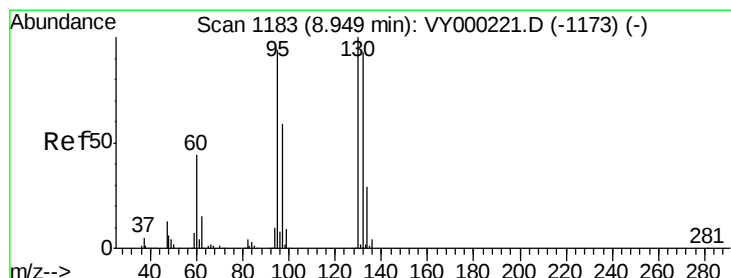
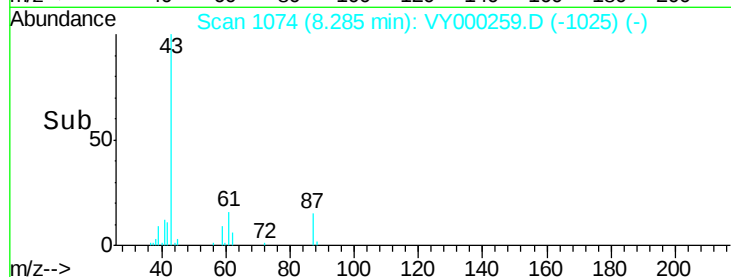
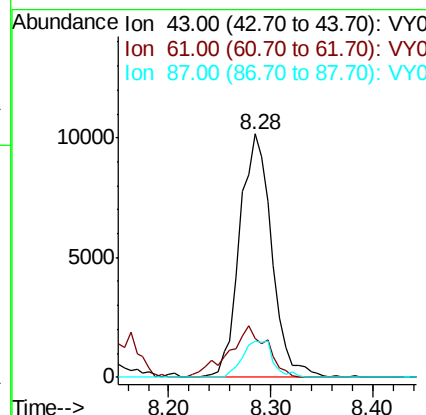
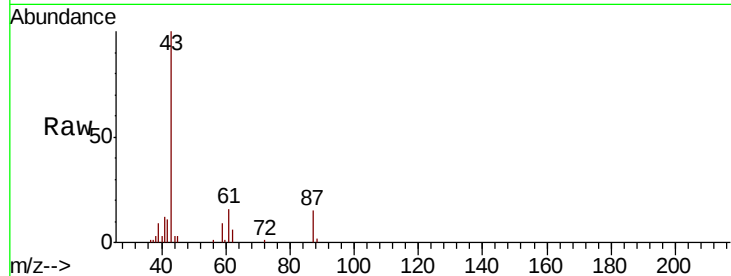
#43
Isopropyl Acetate
Concen: 2.307 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.1	30.1
87	14.4	10.6	15.8

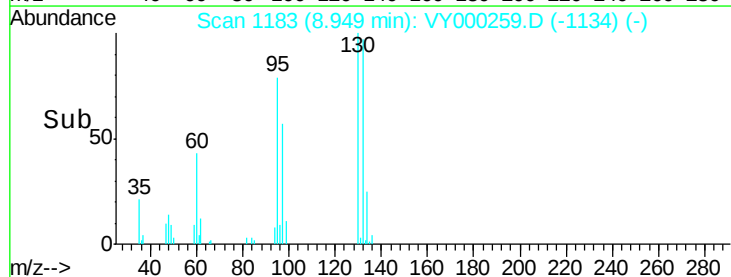
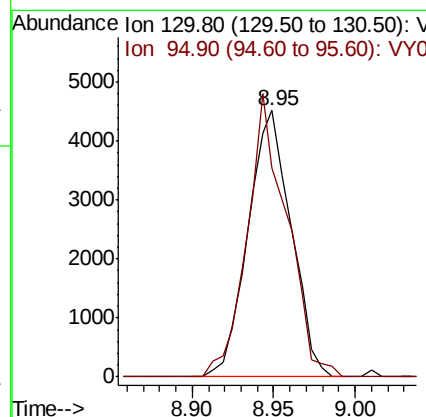
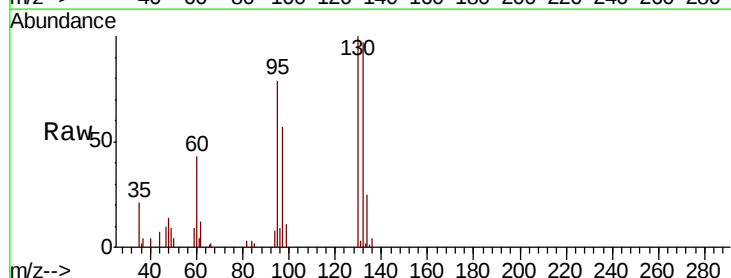
Manual Integrations
APPROVED

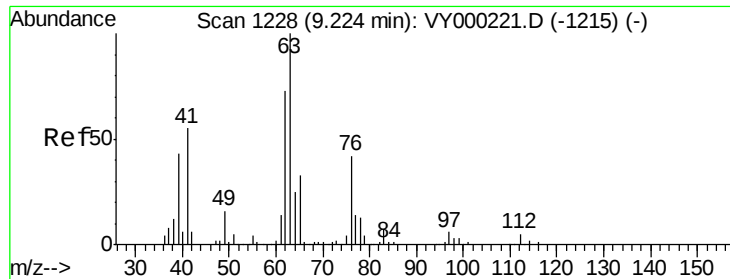
MMDadoda
10/14/2019 1:33:52 PM



#44
Trichloroethene
Concen: 2.452 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	78.5	0.0	189.0





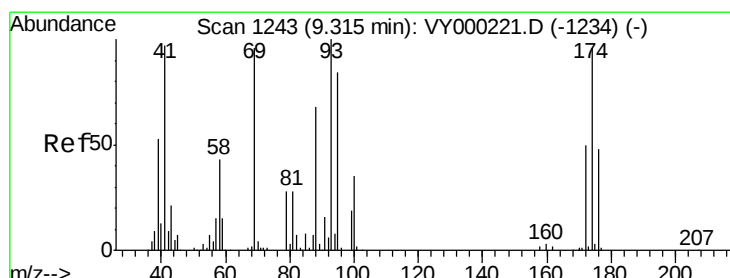
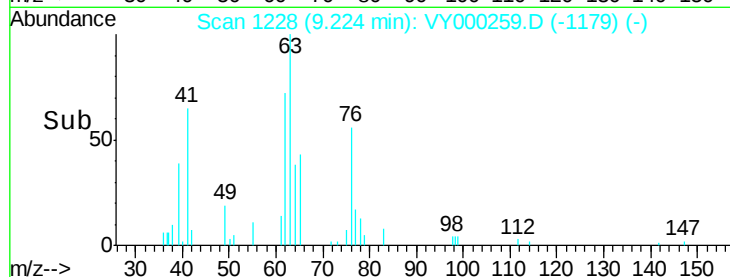
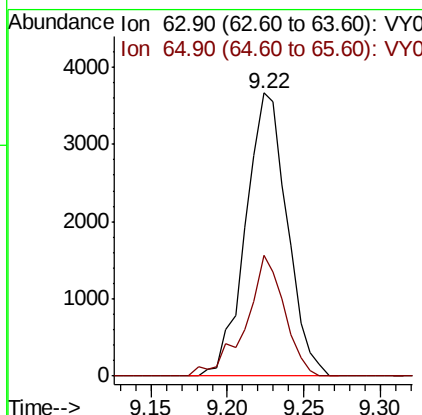
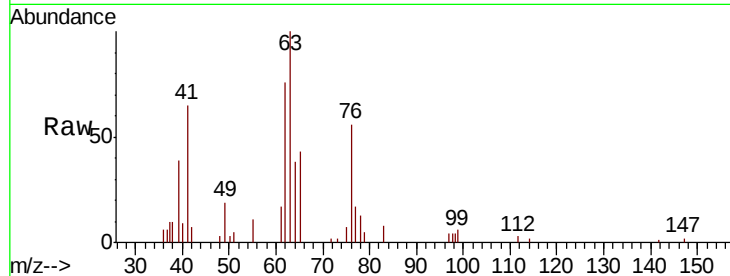
#45
 1,2-Dichloropropane
 Concen: 2.205 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion: 63 Resp: 6916
 Ion Ratio Lower Upper
 63 100
 65 42.7 26.6 39.8#

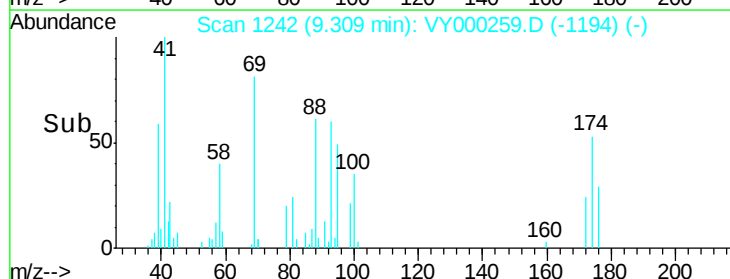
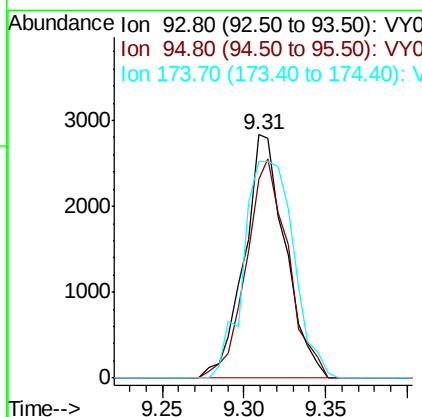
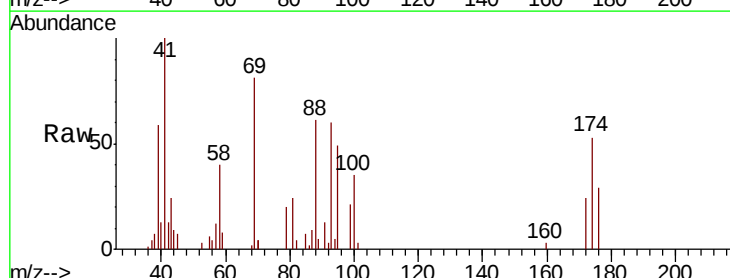
Manual Integrations
 APPROVED

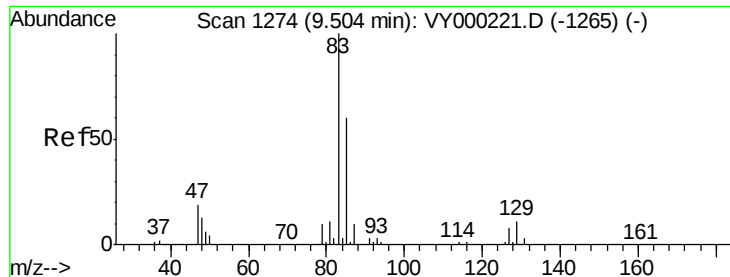
MMDadoda
 10/14/2019 1:33:52 PM



#46
 Dibromomethane
 Concen: 2.260 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Tgt Ion: 93 Resp: 4971
 Ion Ratio Lower Upper
 93 100
 95 91.5 67.0 100.6
 174 108.9 77.5 116.3





#47

Bromodichloromethane

Concen: 2.227 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

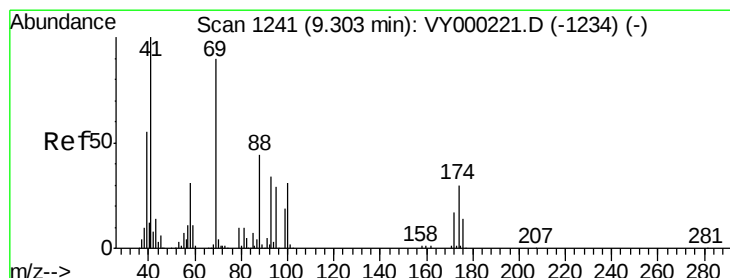
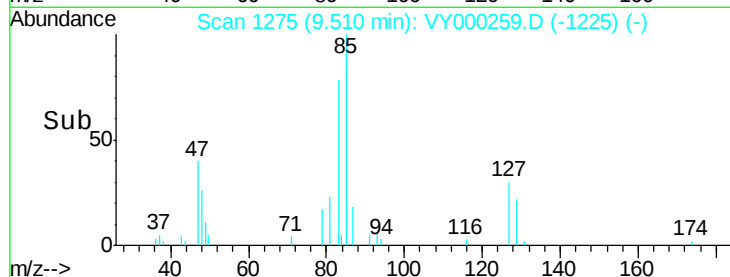
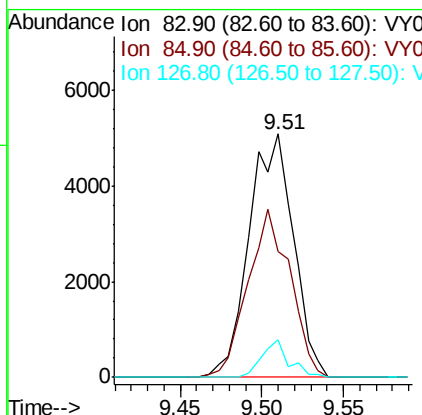
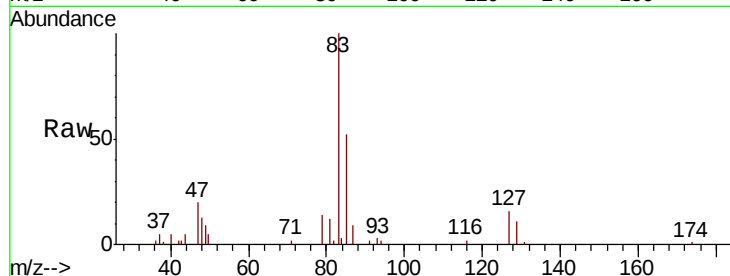
ClientSampleId :

2.5PPBMDL

Tot Ion:	83	Resp:	9578
Ion	Ratio	Lower	Upper
83	100		
85	51.7	48.0	72.0
127	15.6	6.5	9.7#

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM



#48

Methyl methacrylate

Concen: 2.544 ug/l

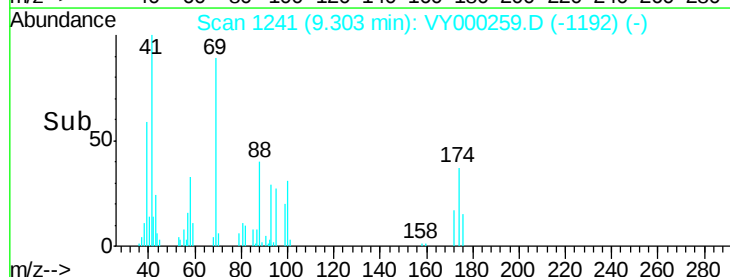
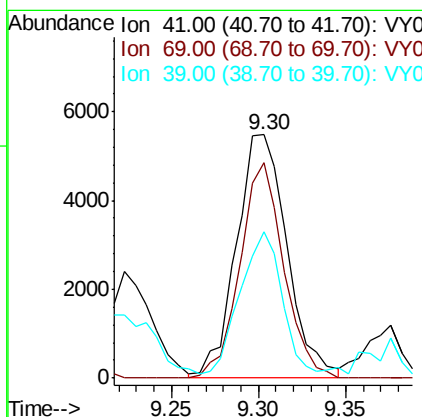
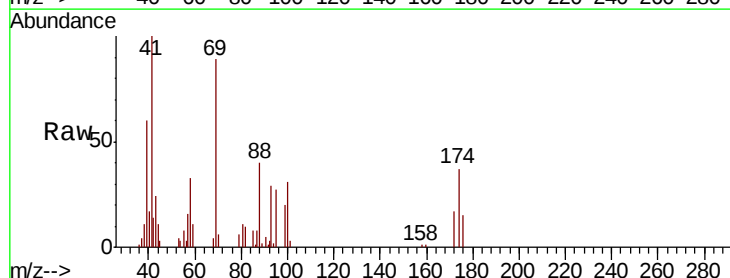
RT: 9.30 min Scan# 1241

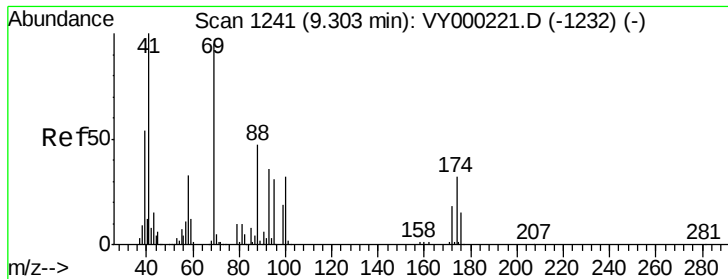
Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Tgt Ion:	41	Resp:	11032
Ion	Ratio	Lower	Upper
41	100		
69	76.7	70.3	105.5
39	51.8	45.5	68.3





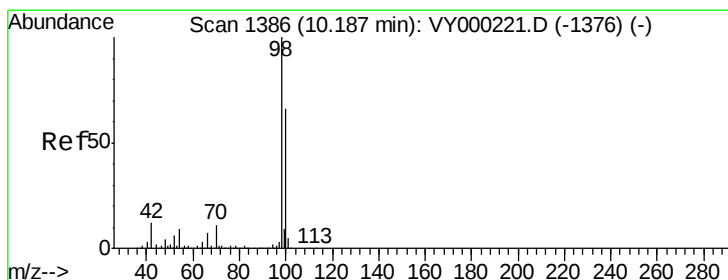
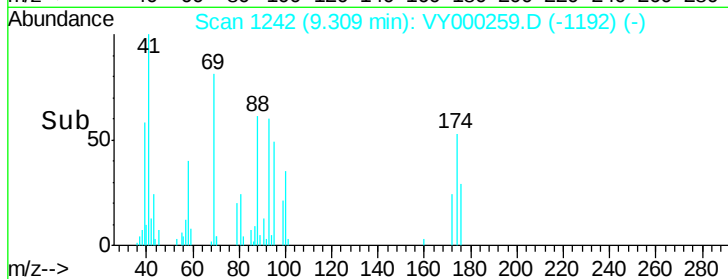
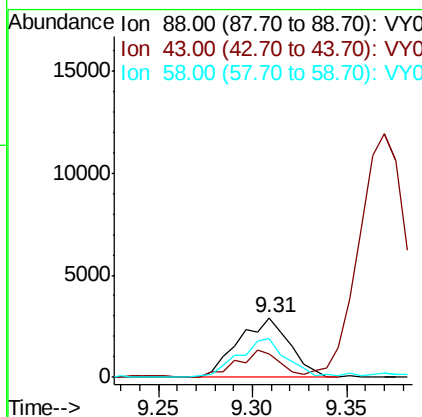
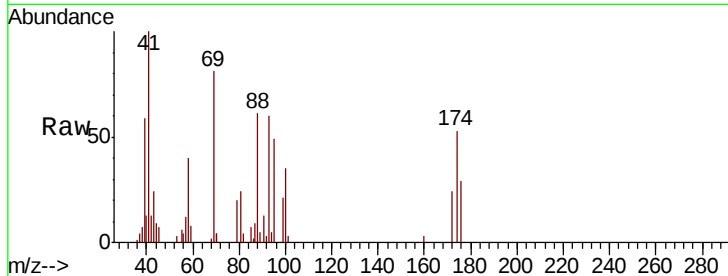
#49
1,4-Dioxane
Concen: 49.358 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	88	Resp	5494
Ion	Ratio	Lower	Upper
88	100		
43	37.9	24.5	36.7#
58	62.1	54.2	81.2

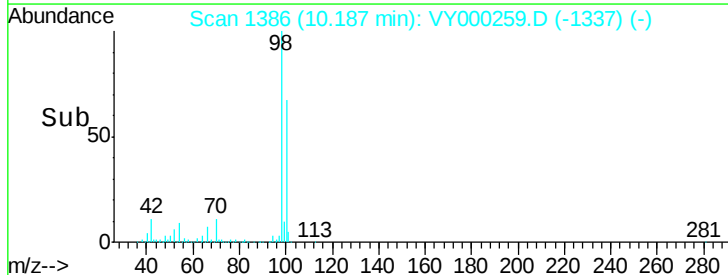
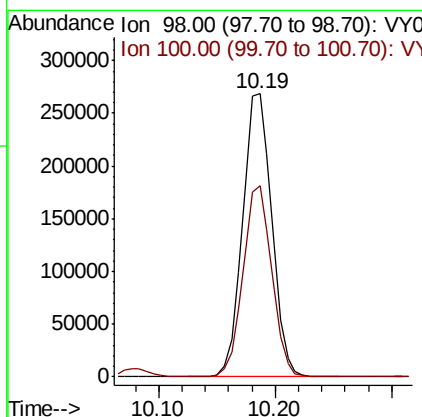
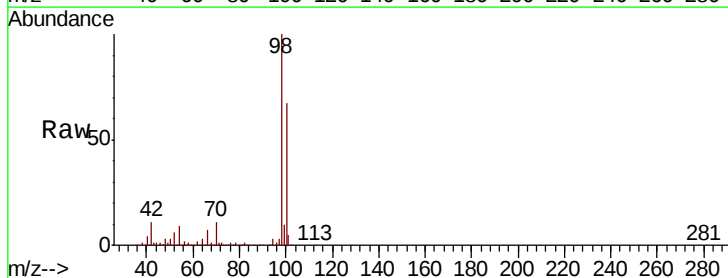
Manual Integrations
APPROVED

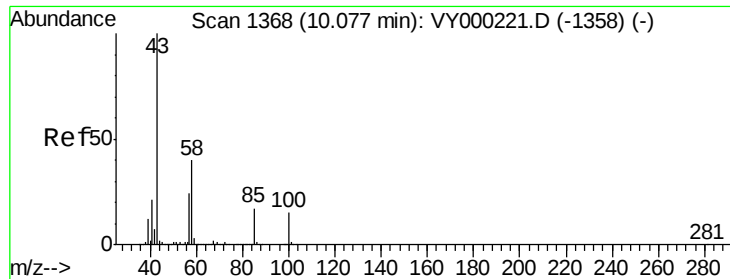
MMDadoda
10/14/2019 1:33:52 PM



#50
Toluene-d8
Concen: 47.454 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	98	Resp	471250
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 11.701 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 84480

Ion Ratio Lower Upper

43 100

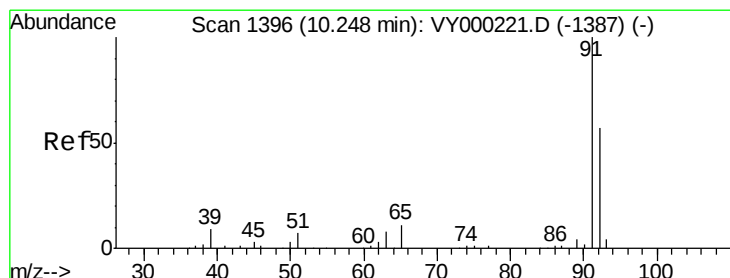
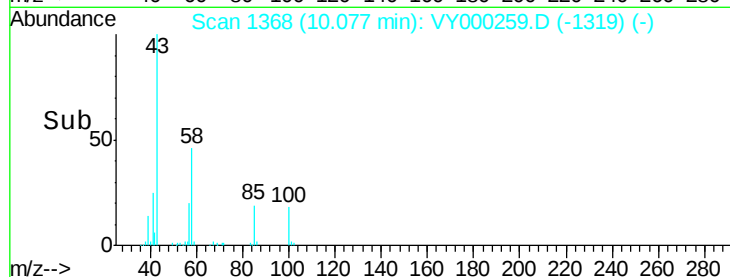
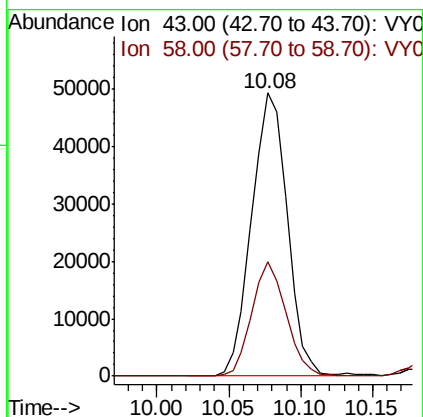
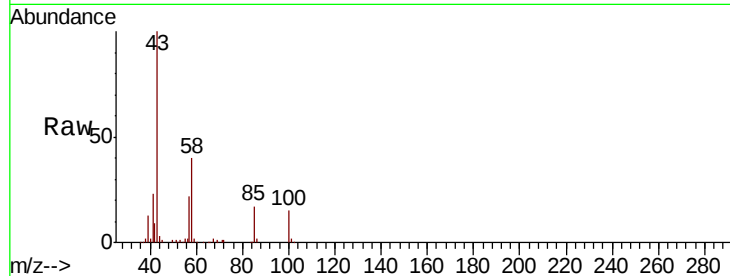
58 38.8 31.7 47.5

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:33:52 PM



#52

Toluene

Concen: 2.300 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000259.D

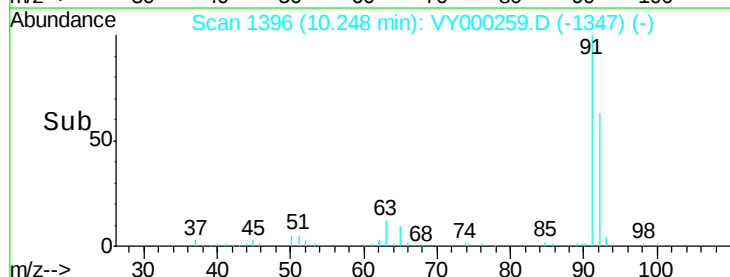
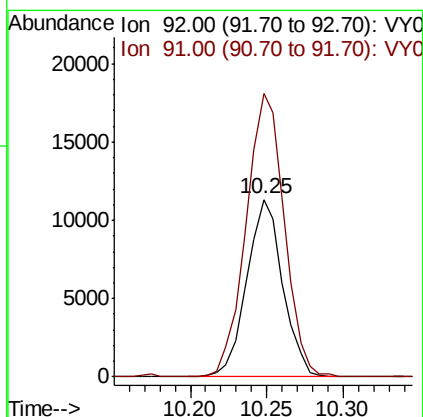
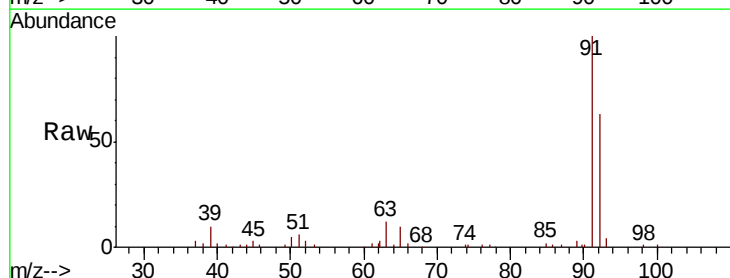
Acq: 10 Oct 2019 17:29

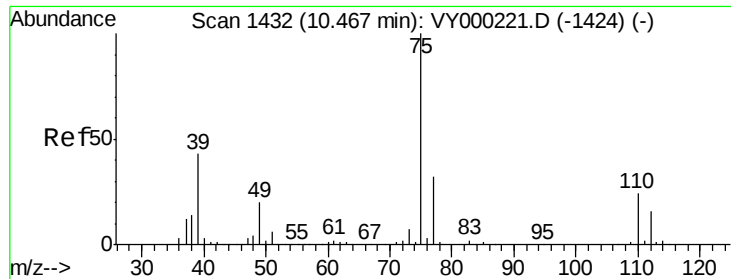
Tgt Ion: 92 Resp: 18471

Ion Ratio Lower Upper

92 100

91 169.4 139.1 208.7





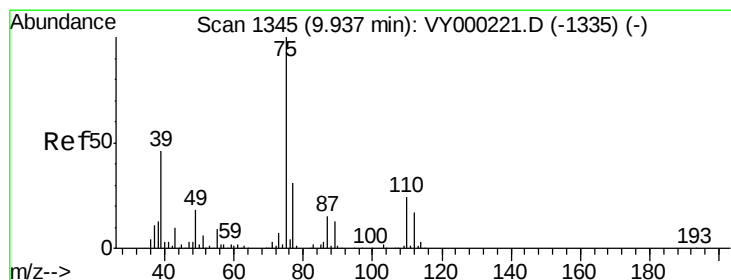
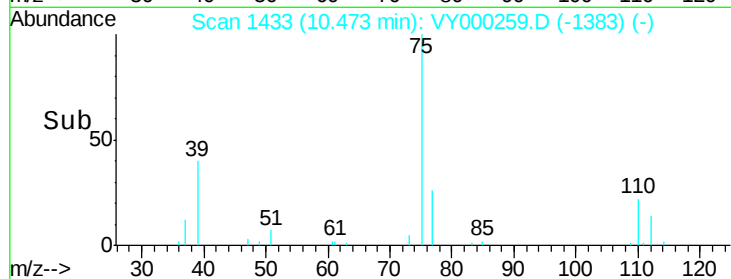
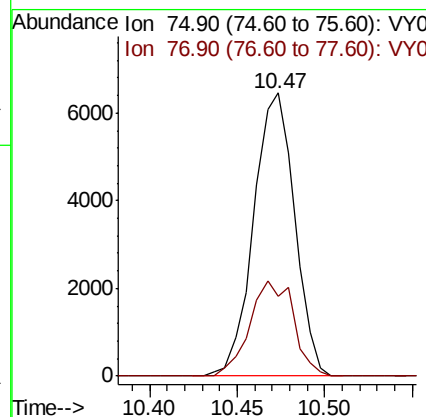
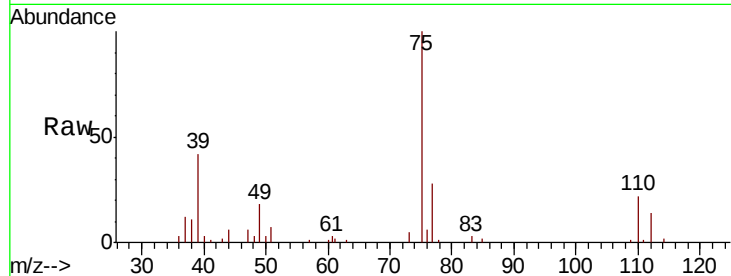
#53
t-1,3-Dichloropropene
Concen: 2.157 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.1	25.3	37.9

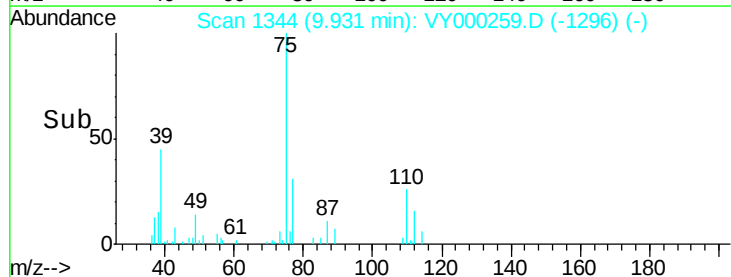
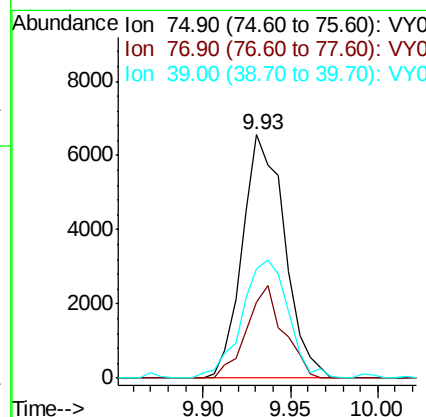
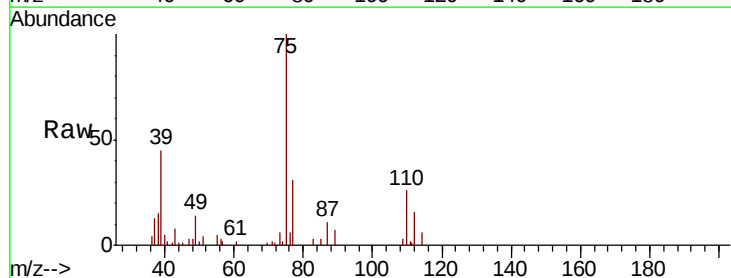
Manual Integrations
APPROVED

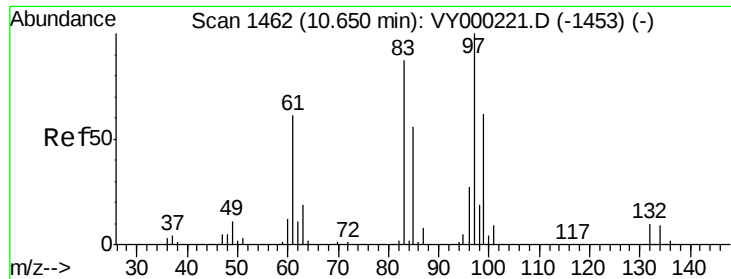
MMDadoda
10/14/2019 1:33:52 PM



#54
cis-1,3-Dichloropropene
Concen: 2.088 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4
39	44.7	36.3	54.5





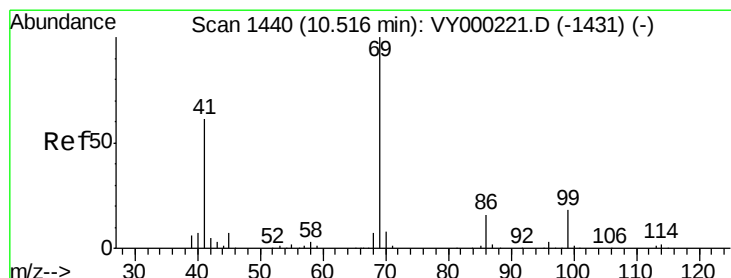
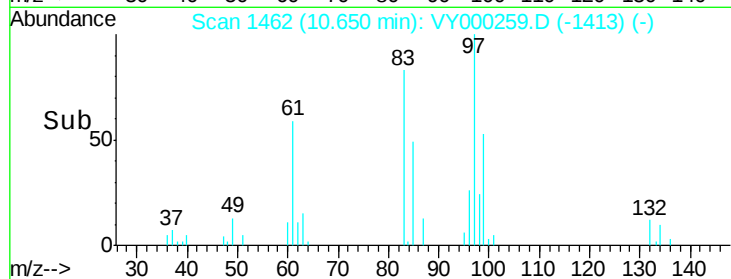
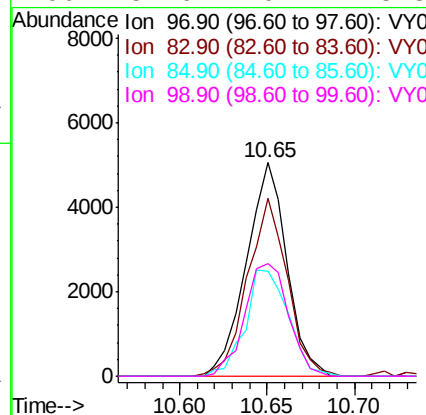
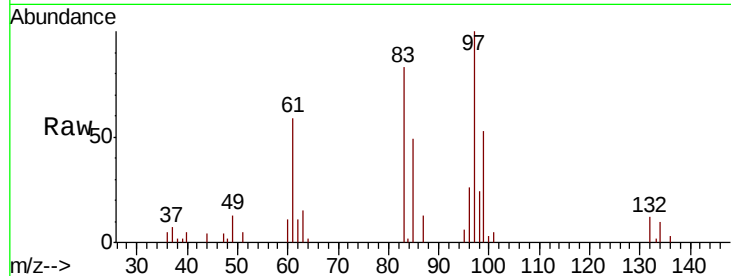
#55
 1,1,2-Trichloroethane
 Concen: 2.562 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion:	97	Resp:	8116
Ion	Ratio	Lower	Upper
97	100		
83	83.0	69.4	104.0
85	49.1	44.6	66.8
99	52.6	49.2	73.8

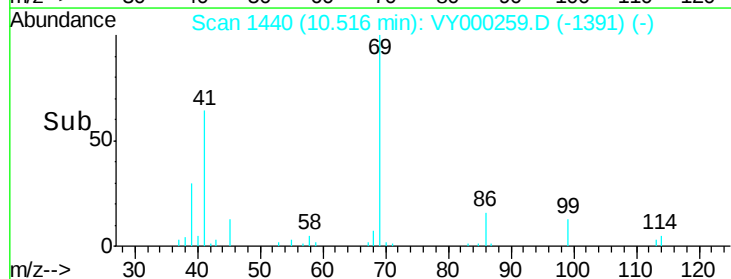
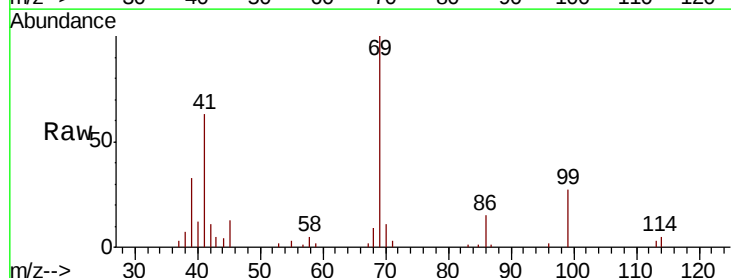
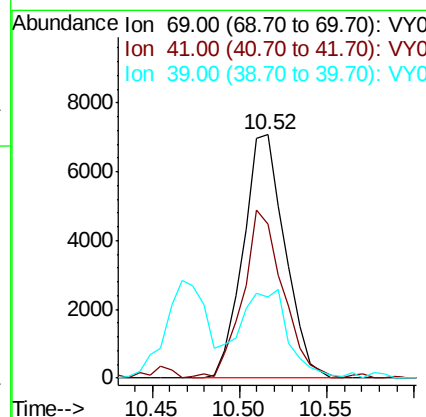
Manual Integrations
 APPROVED

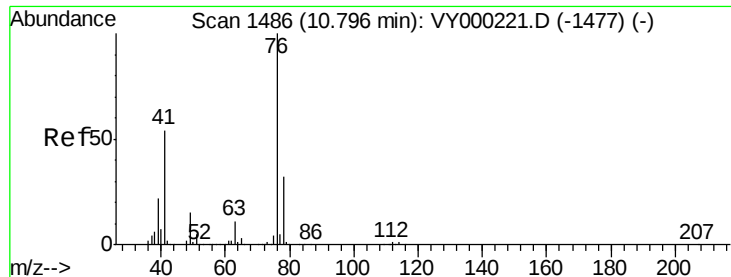
MMDadoda
 10/14/2019 1:33:52 PM



#56
 Ethyl methacrylate
 Concen: 2.101 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Tgt Ion:	69	Resp:	11718
Ion	Ratio	Lower	Upper
69	100		
41	66.3	51.2	76.8
39	40.1	27.0	40.4





#57

1,3-Dichloropropane

Concen: 2.270 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 76 Resp: 12278

Ion Ratio Lower Upper

76 100

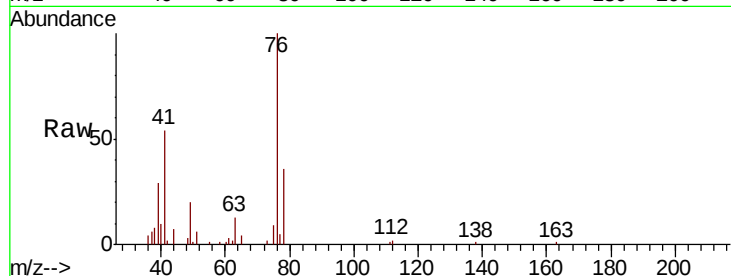
78 36.1 26.0 39.0

Manual Integrations

APPROVED

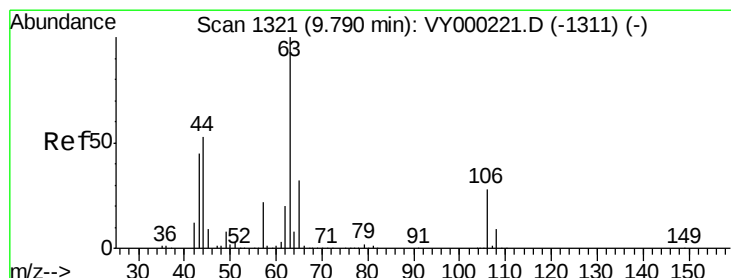
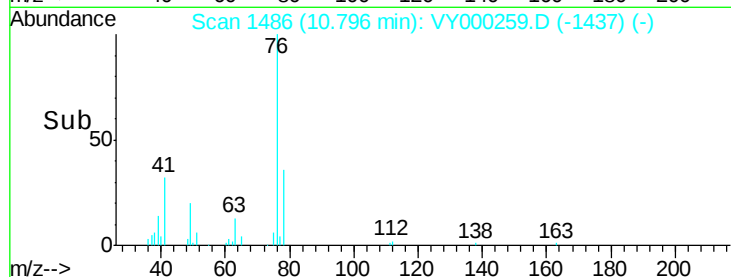
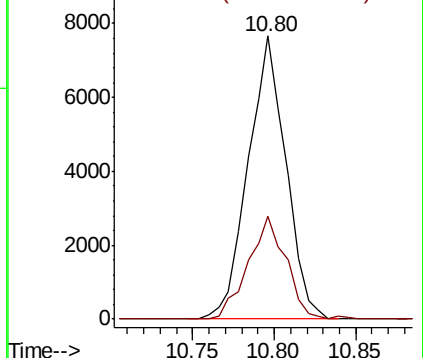
MMDadoda

10/14/2019 1:33:52 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 12.064 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY000259.D

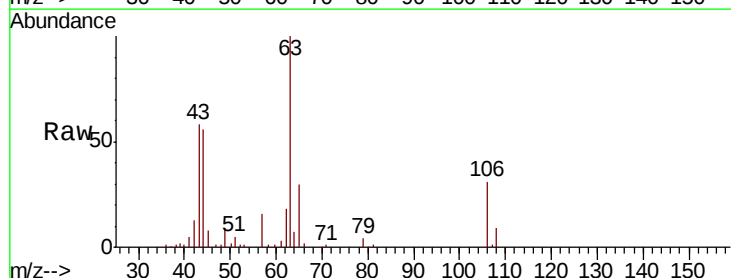
Acq: 10 Oct 2019 17:29

Tgt Ion: 63 Resp: 29985

Ion Ratio Lower Upper

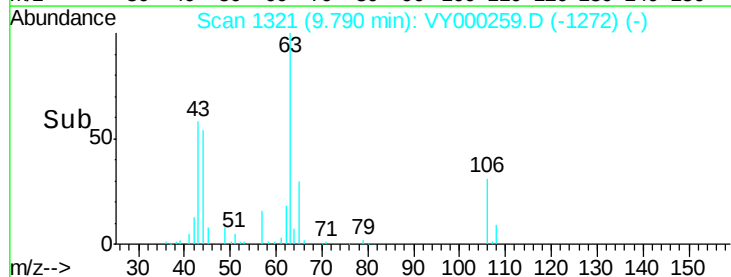
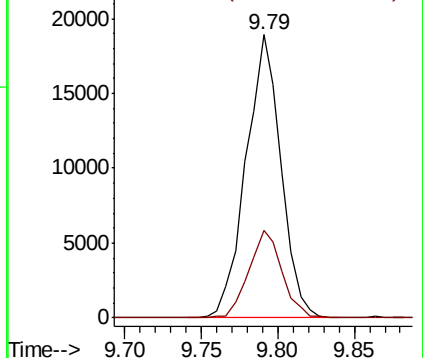
63 100

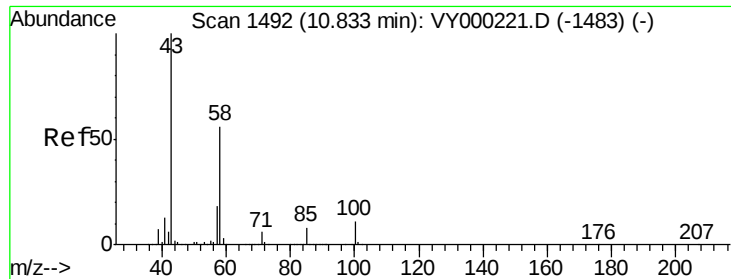
106 29.2 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





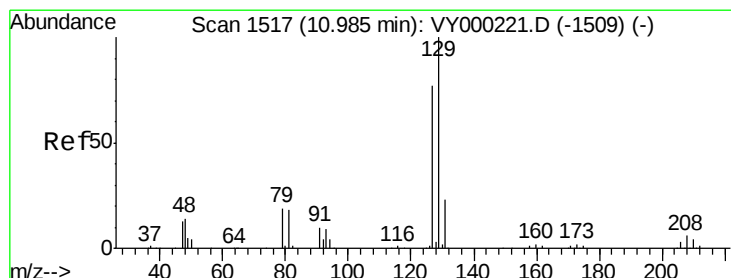
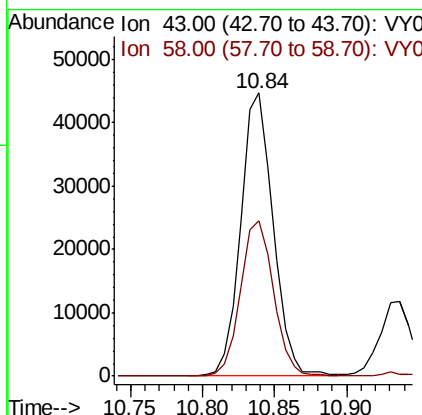
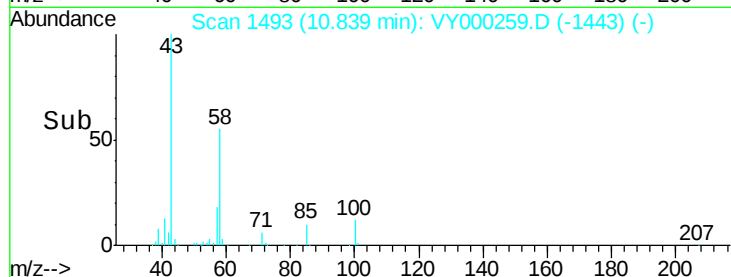
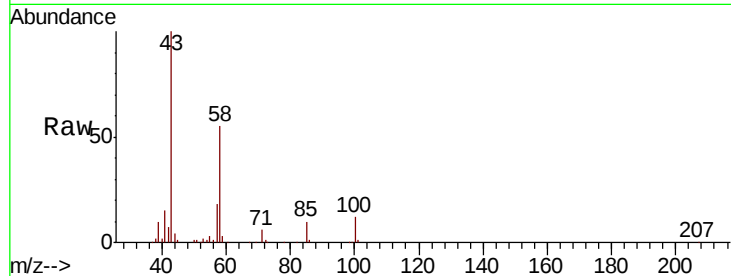
#59
2-Hexanone
Concen: 11.386 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion: 43 Resp: 69671
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.6

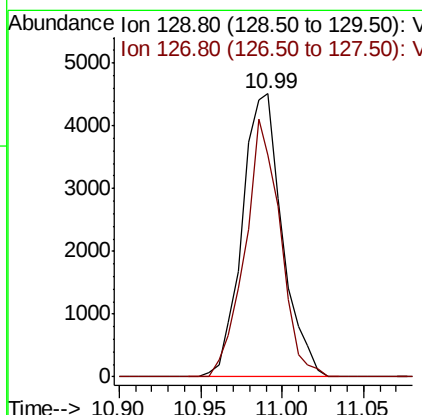
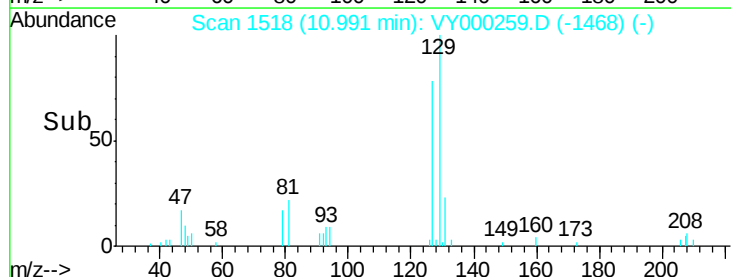
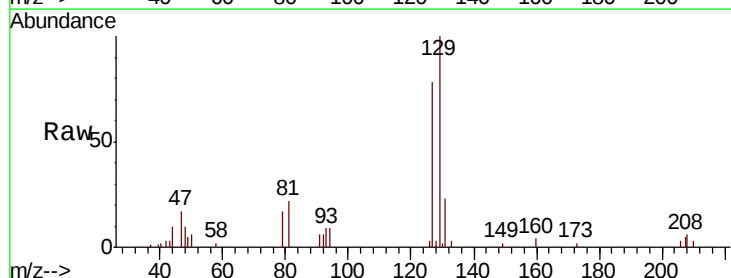
Manual Integrations
APPROVED

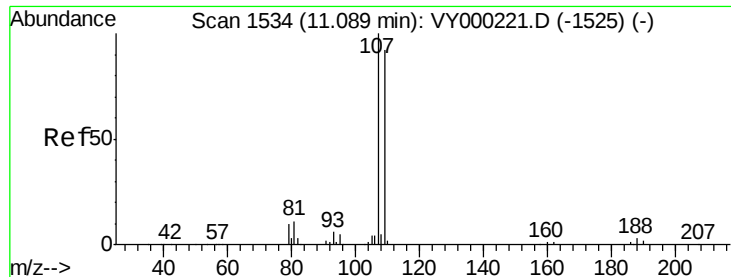
MMDadoda
10/14/2019 1:33:52 PM



#60
Dibromochloromethane
Concen: 2.307 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion: 129 Resp: 7724
Ion Ratio Lower Upper
129 100
127 80.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 2.493 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 107 Resp: 8388

Ion Ratio Lower Upper

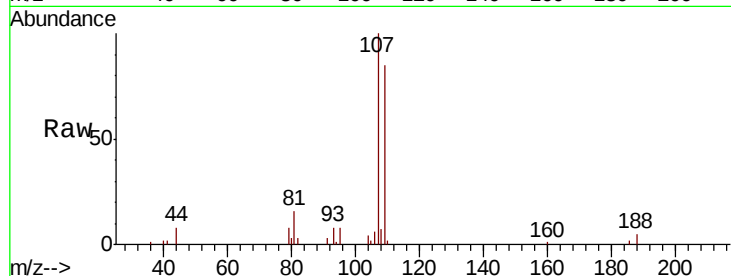
107 100

109 88.1 75.0 112.6

Manual Integrations
APPROVED

MMDadoda

10/14/2019 1:33:52 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.10

6000

5000

4000

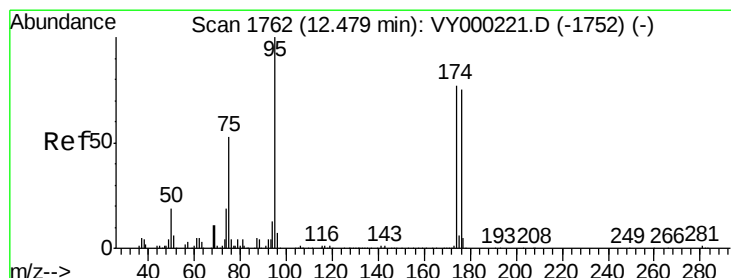
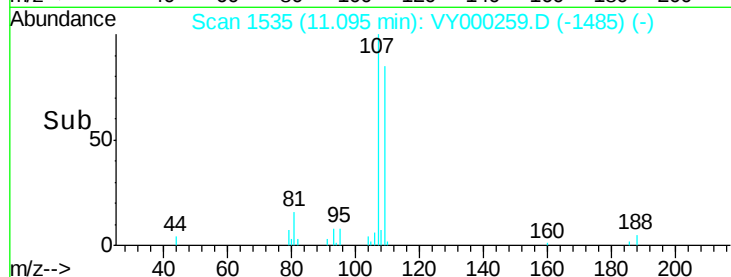
3000

2000

1000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.120 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

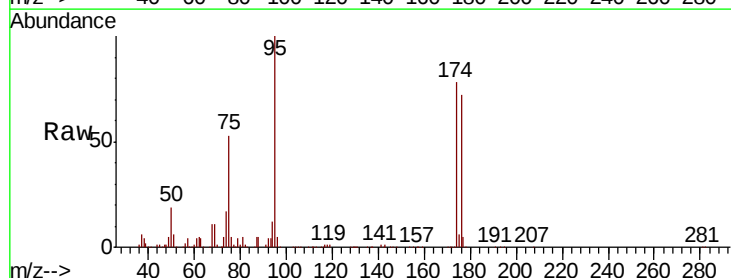
Tgt Ion: 95 Resp: 161647

Ion Ratio Lower Upper

95 100

174 84.2 0.0 157.0

176 79.3 0.0 153.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

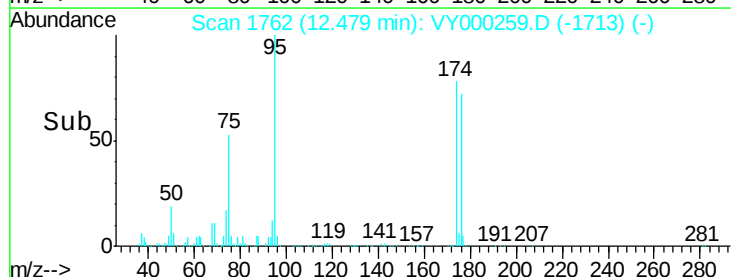
12.48

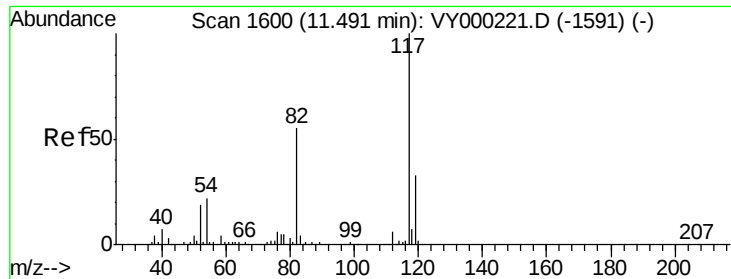
100000

50000

0

Time-->





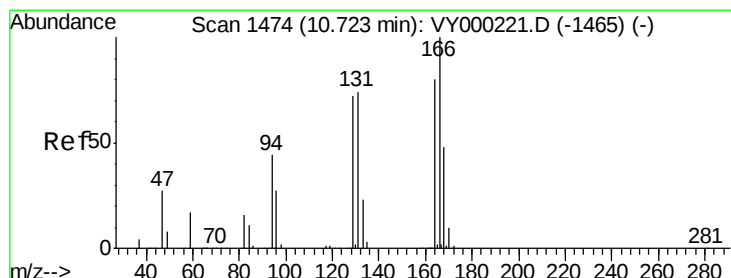
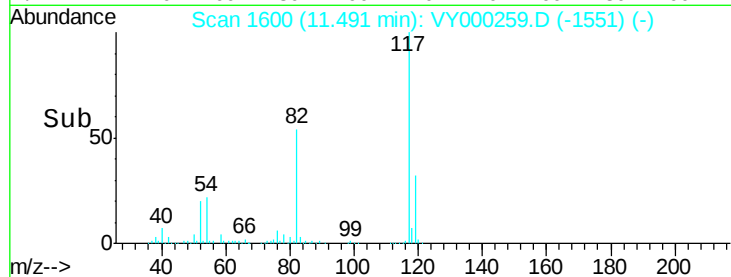
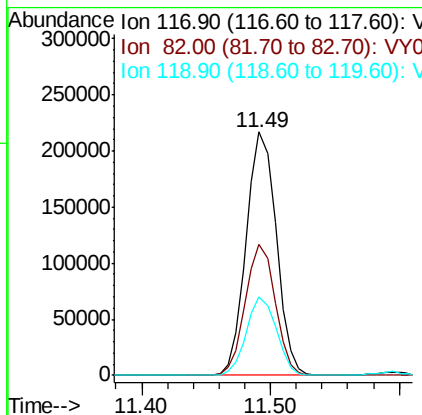
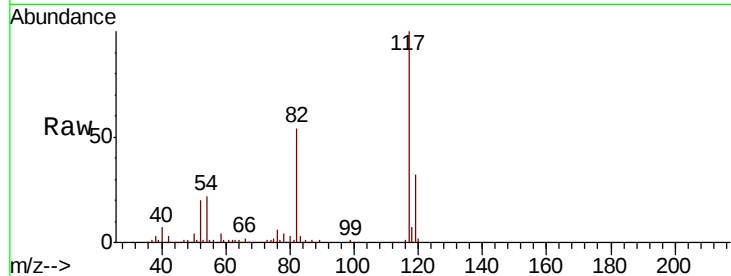
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	350180		
82	53.9	44.4	66.6	
119	32.3	26.2	39.2	

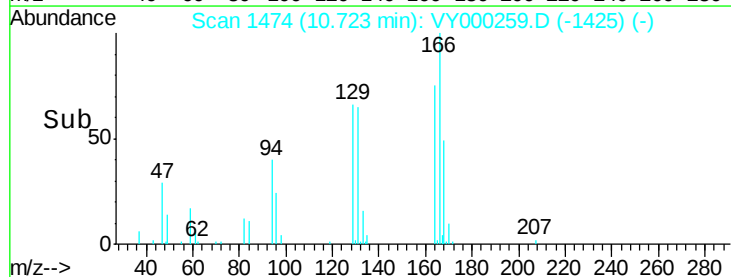
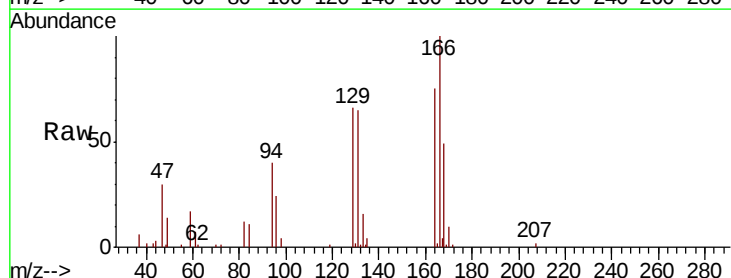
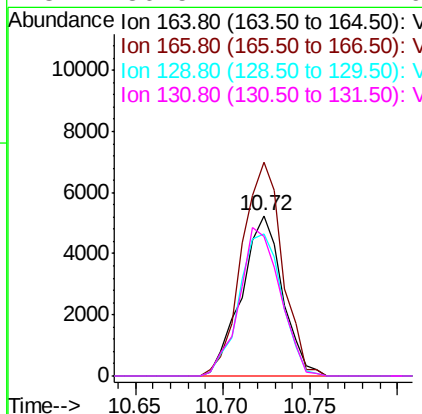
Manual Integrations
APPROVED

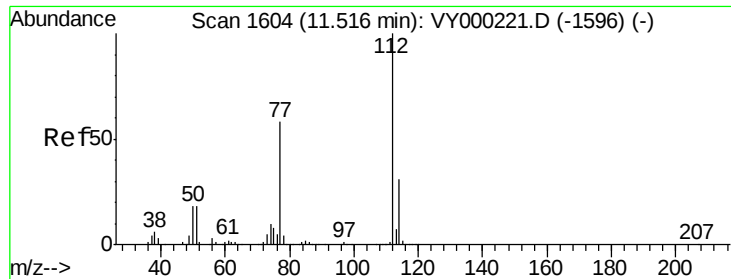
MMDadoda
10/14/2019 1:33:52 PM



#64
Tetrachloroethene
Concen: 2.668 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	8540		
166	133.1	100.3	150.5	
129	88.4	72.4	108.6	
131	86.5	74.4	111.6	





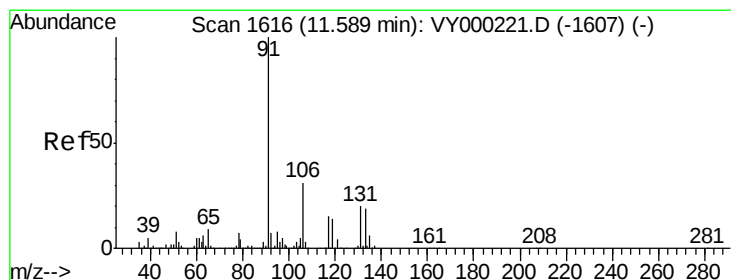
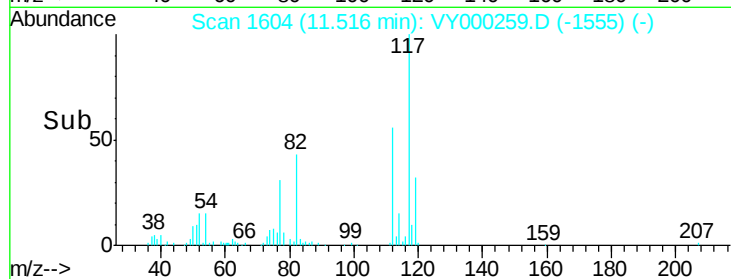
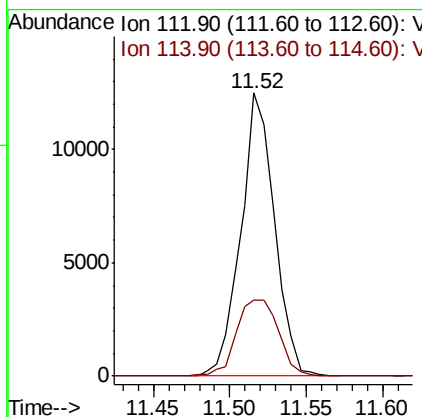
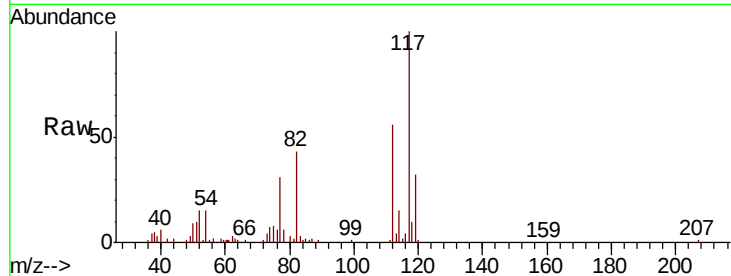
#65
Chlorobenzene
Concen: 2.350 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion:112 Resp: 19069
Ion Ratio Lower Upper
112 100
114 26.7 25.0 37.4

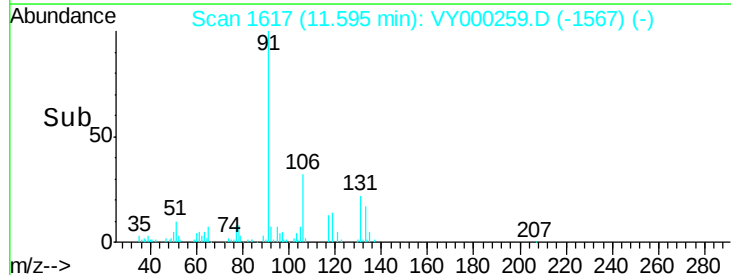
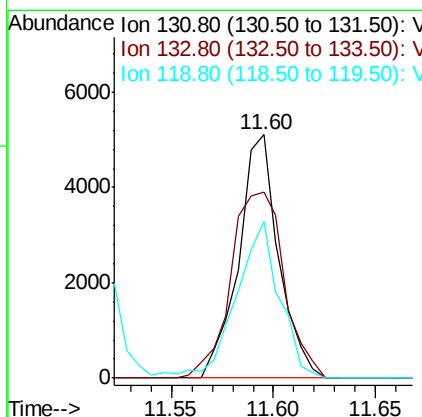
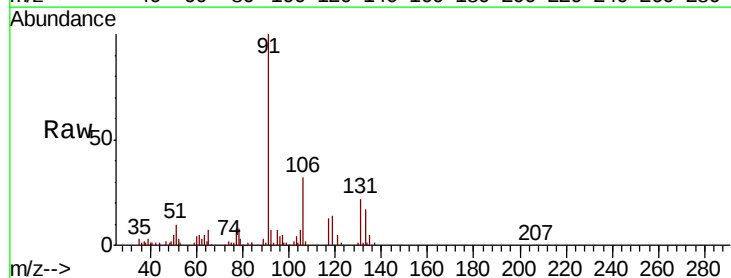
Manual Integrations
APPROVED

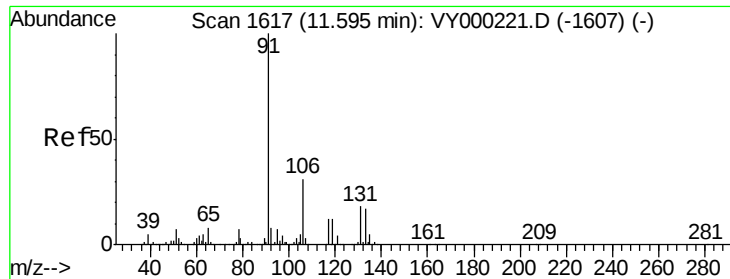
MMDadoda
10/14/2019 1:33:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 2.412 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion:131 Resp: 6998
Ion Ratio Lower Upper
131 100
133 101.3 47.0 141.2
119 68.5 33.3 99.8





#67

Ethyl Benzene

Concen: 2.316 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 91 Resp: 33599

Ion Ratio Lower Upper

91 100

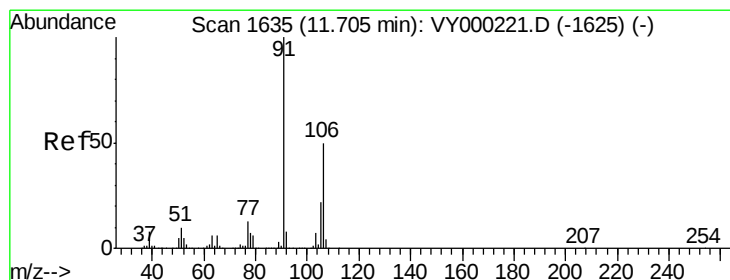
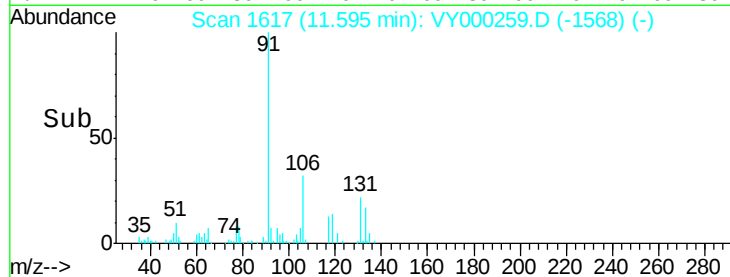
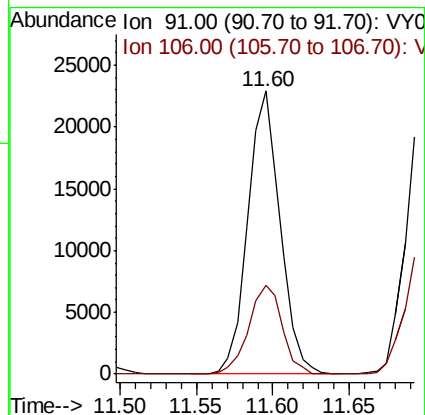
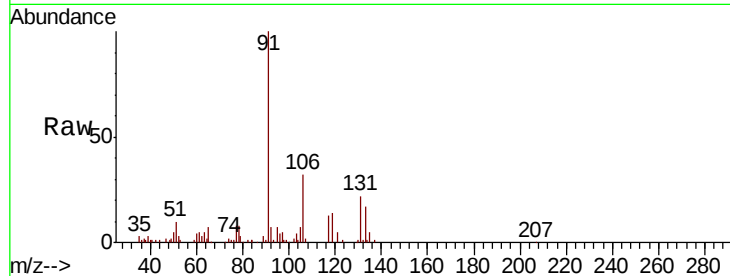
106 31.6 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:33:52 PM



#68

m/p-Xylenes

Concen: 4.637 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY000259.D

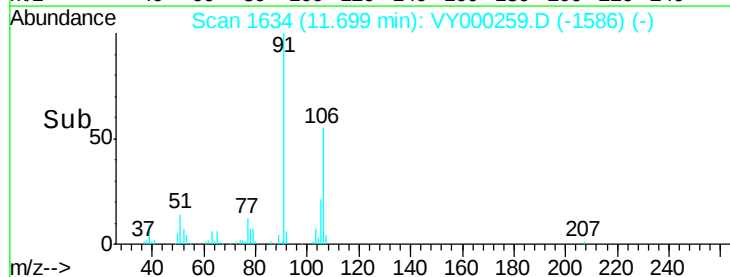
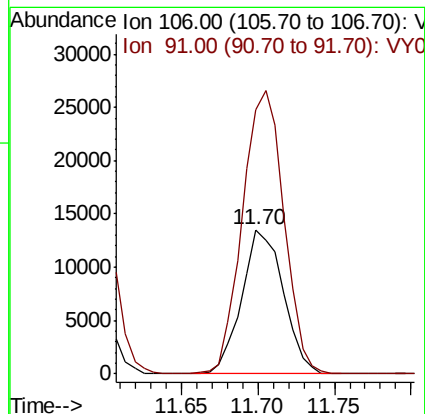
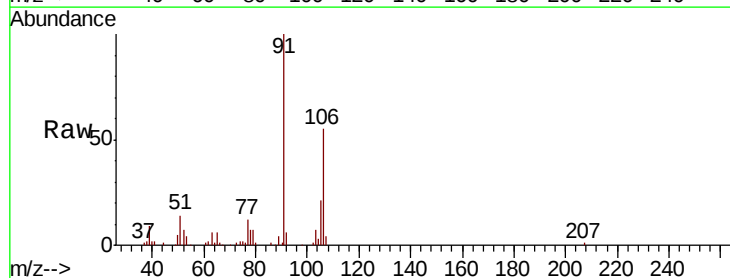
Acq: 10 Oct 2019 17:29

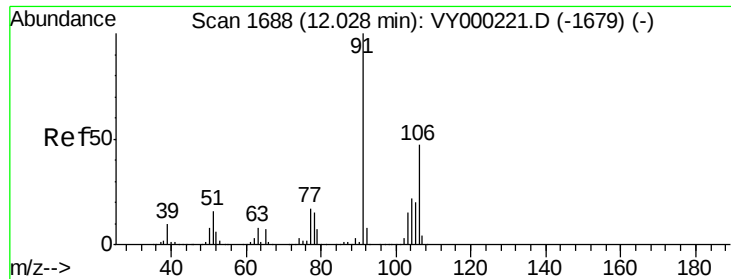
Tgt Ion: 106 Resp: 25665

Ion Ratio Lower Upper

106 100

91 195.1 159.9 239.9





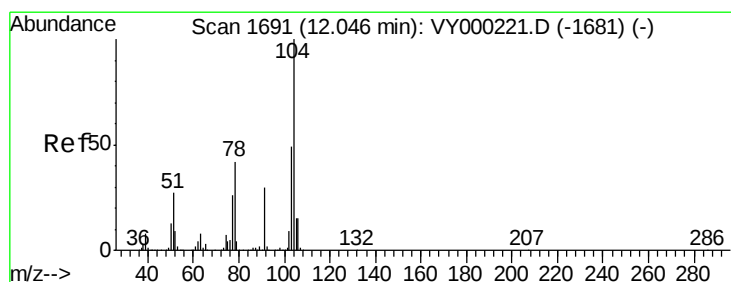
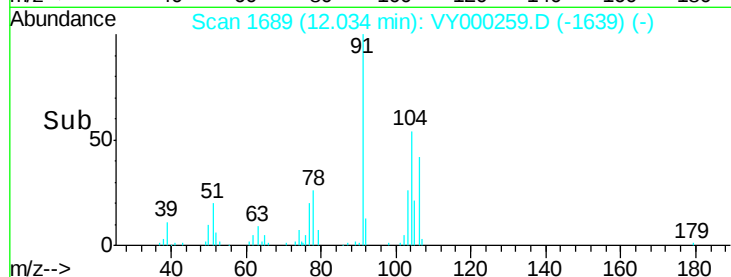
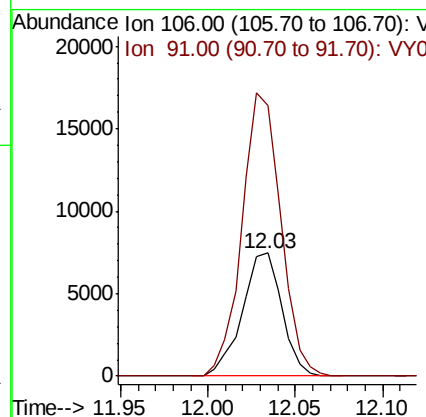
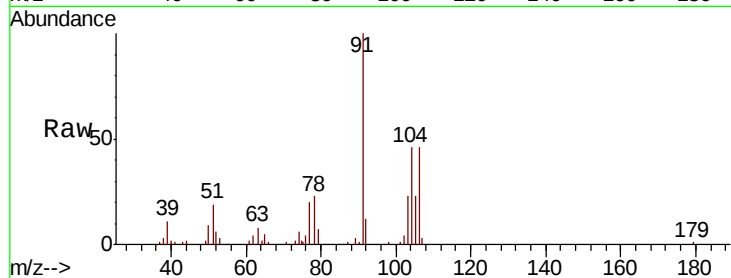
#69
o-Xylene
Concen: 2.208 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		11774		
91	225.0	106.1	318.1		

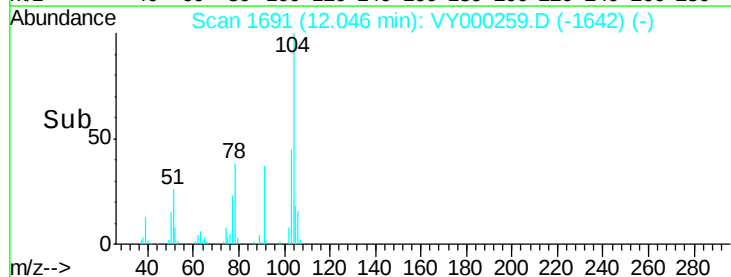
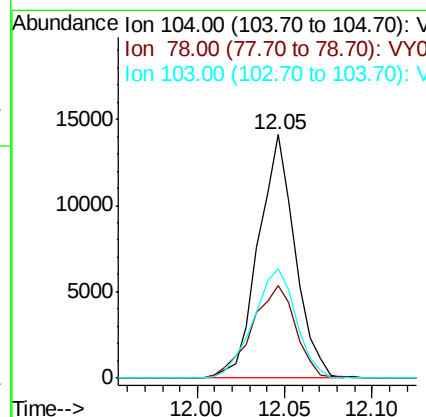
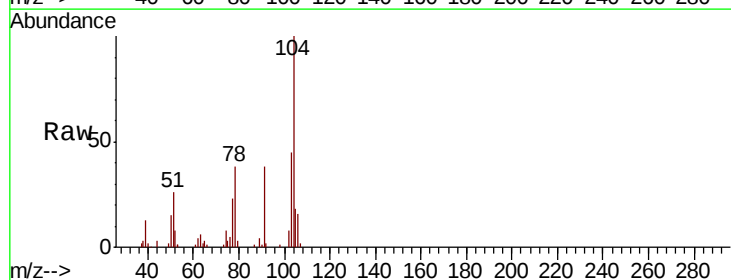
Manual Integrations
APPROVED

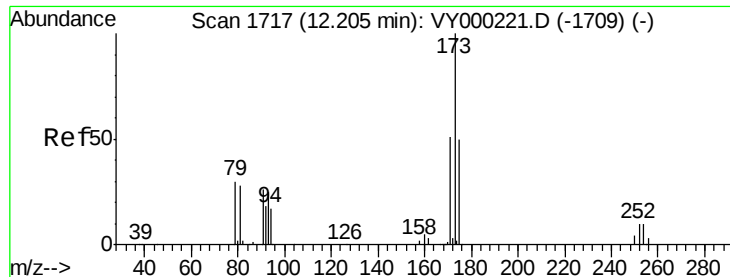
MMDadoda
10/14/2019 1:33:52 PM



#70
Styrene
Concen: 2.237 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		20549		
78	45.3	39.0	58.4		
103	51.9	43.1	64.7		





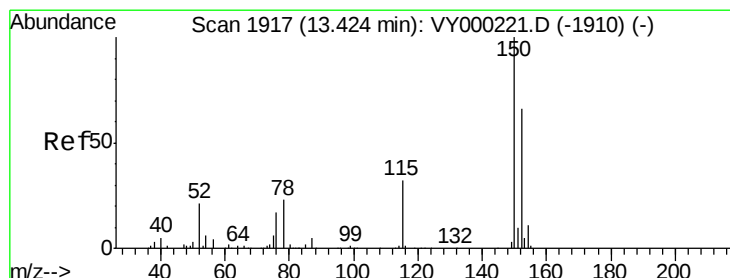
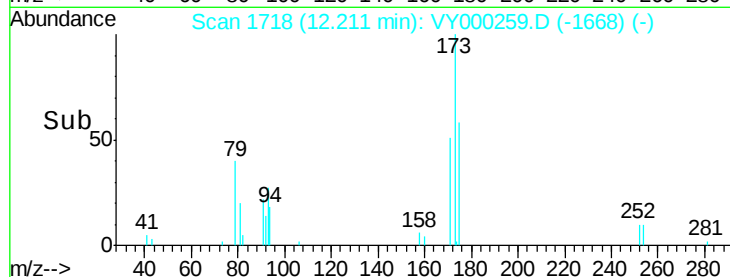
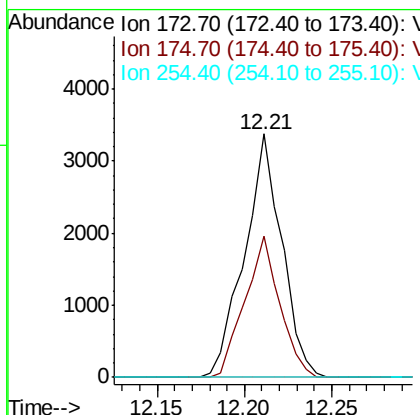
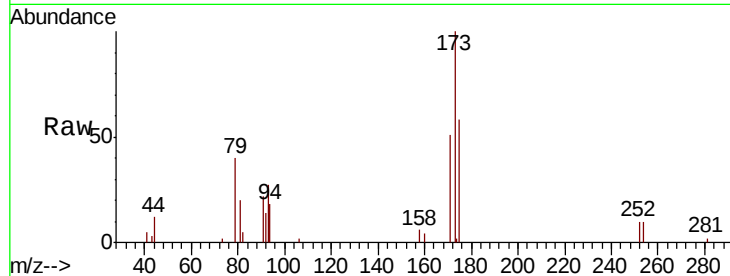
#71
Bromoform
Concen: 2.089 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
173	100		
175	54.5	24.8	74.3
254	0.0	0.1	0.1#

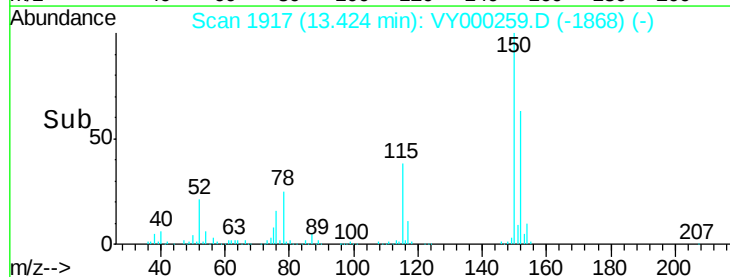
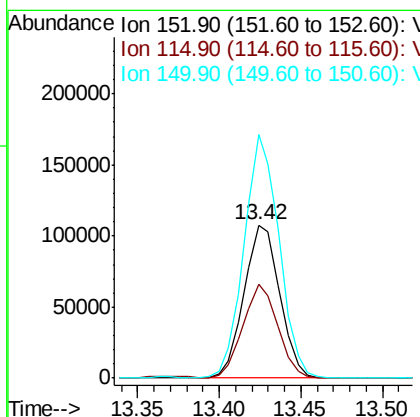
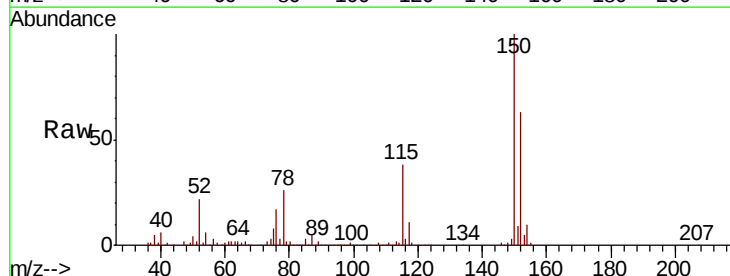
Manual Integrations
APPROVED

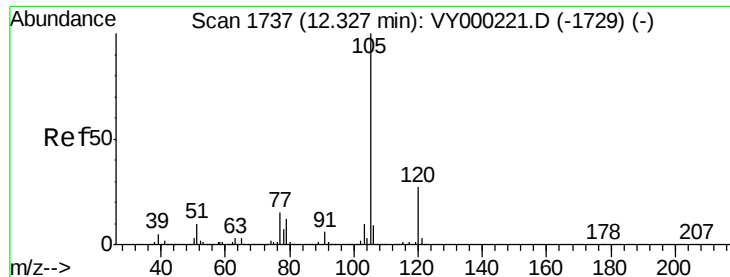
MMDadoda
10/14/2019 1:33:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.3	88.0
150	154.9	0.0	349.6





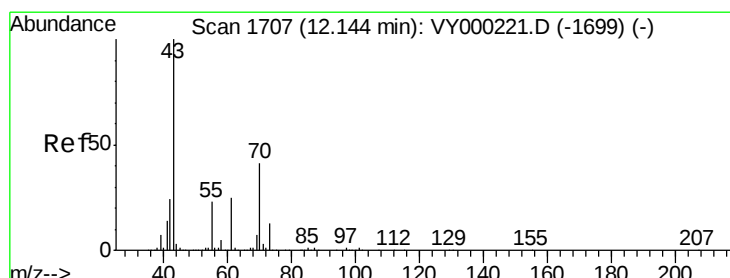
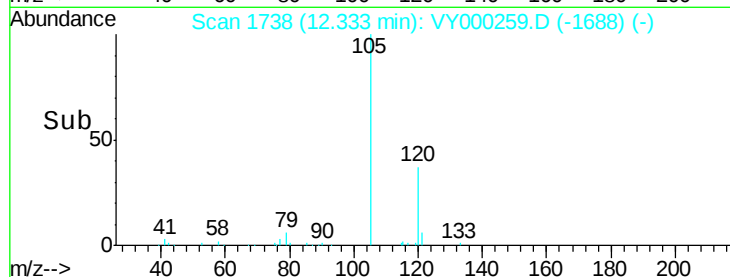
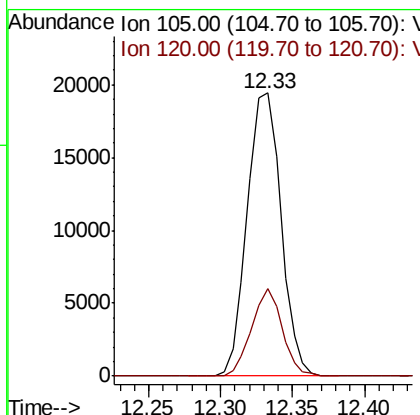
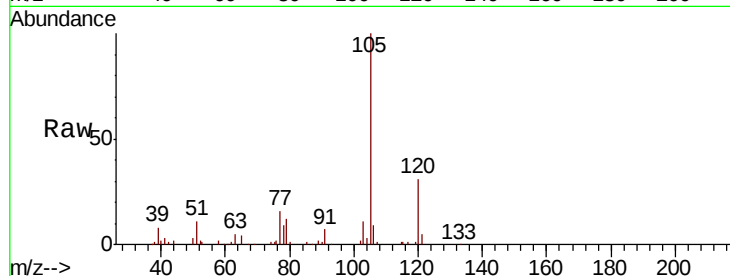
#73
Isopropylbenzene
Concen: 2.256 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.6	40.8

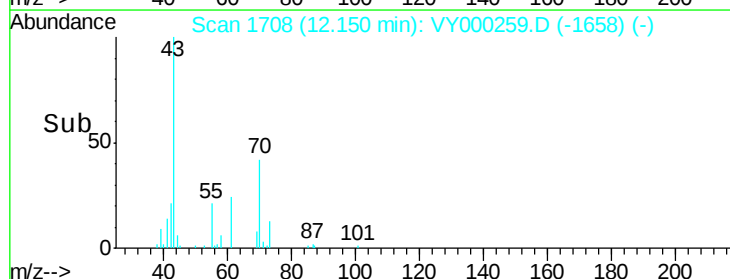
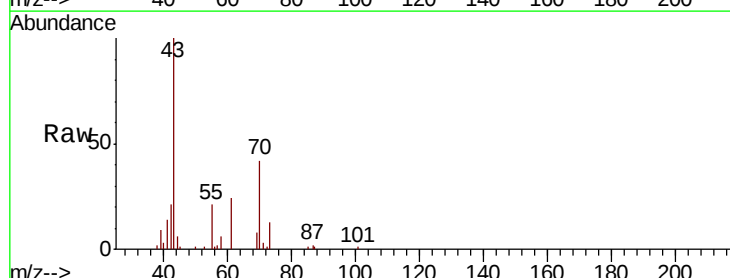
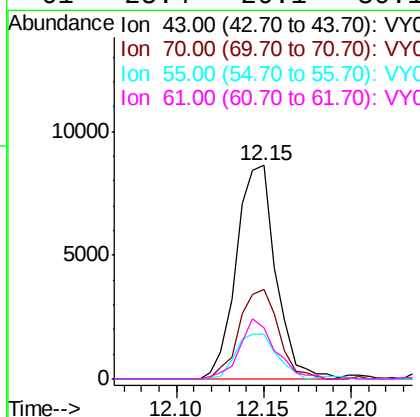
Manual Integrations
APPROVED

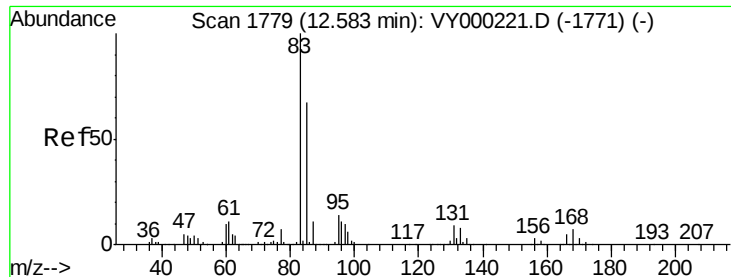
MMDadoda
10/14/2019 1:33:52 PM



#74
N-ethyl acetate
Concen: 2.028 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.01 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	34.9	52.3
55	22.3	18.2	27.2
61	25.4	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.251 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

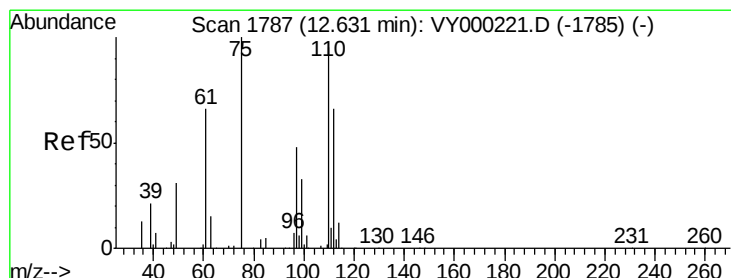
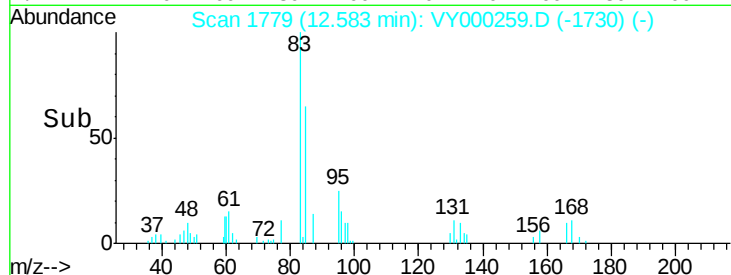
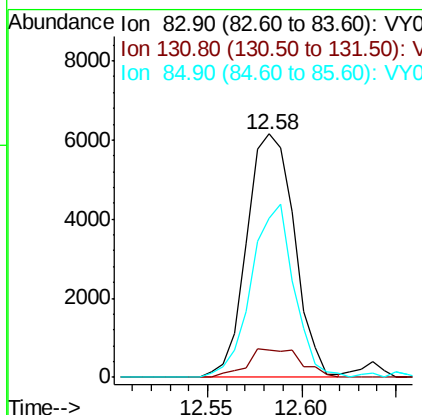
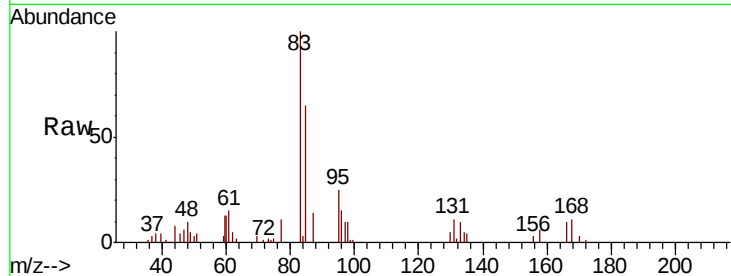
ClientSampleId :

2.5PPBMDL

Tot Ion:	83	Resp:	10766
Ion Ratio	Lower	Upper	
83	100		
131	13.2	4.8	14.3
85	64.0	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM



#76

1,2,3-Trichloropropane

Concen: 2.537 ug/l m

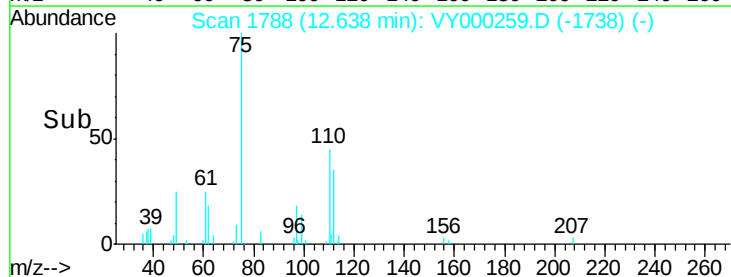
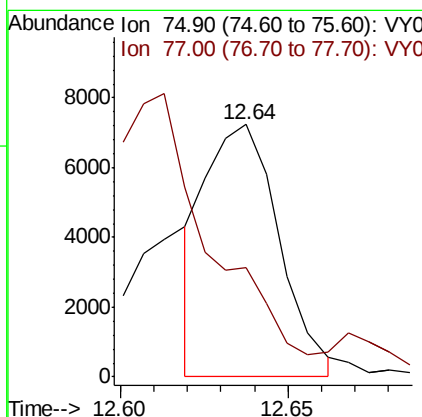
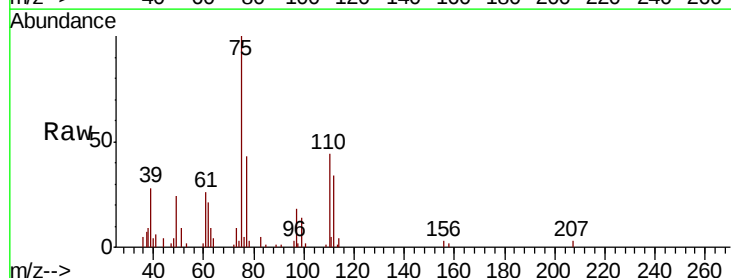
RT: 12.64 min Scan# 1788

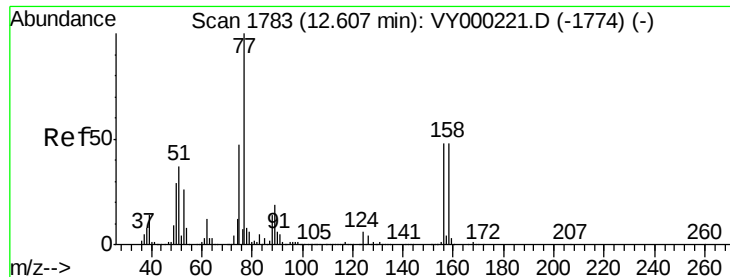
Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Tgt Ion:	75	Resp:	11082
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.555 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:156 Resp: 8399

Ion Ratio Lower Upper

156 100

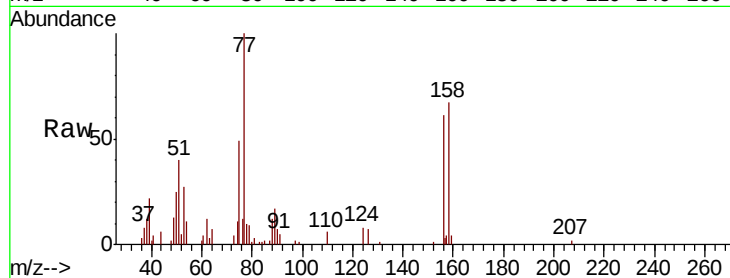
77 207.0 118.1 354.3

158 101.2 47.8 143.3

Manual Integrations
APPROVED

MMDadoda

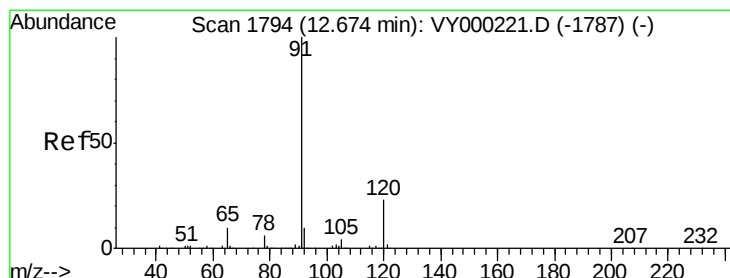
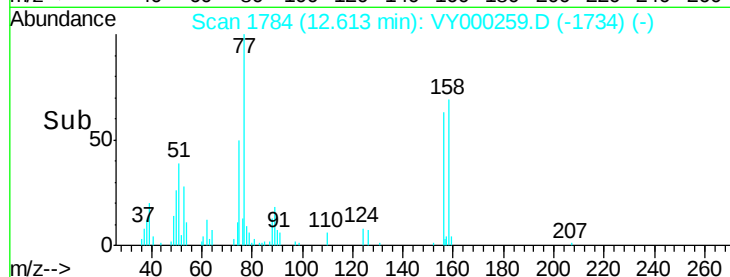
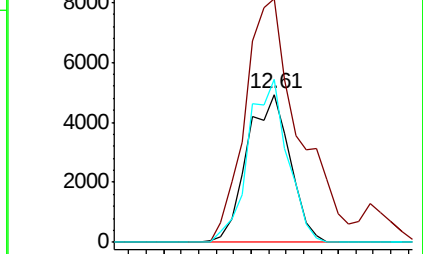
10/14/2019 1:33:52 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.210 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000259.D

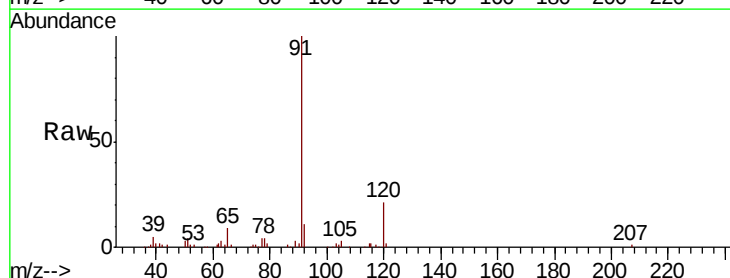
Acq: 10 Oct 2019 17:29

Tgt Ion: 91 Resp: 36188

Ion Ratio Lower Upper

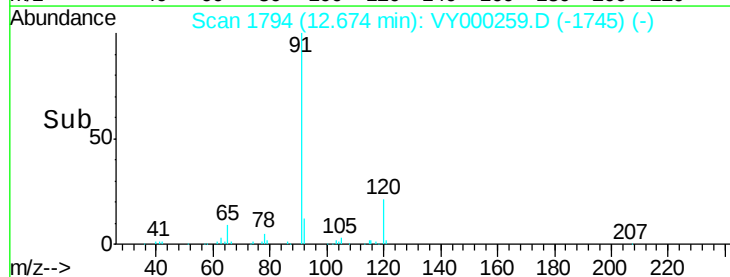
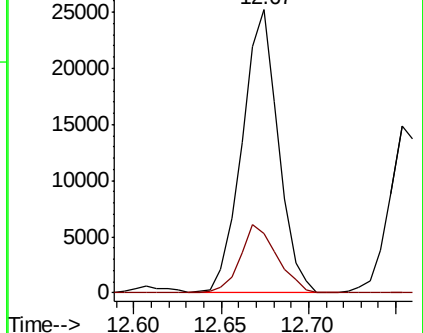
91 100

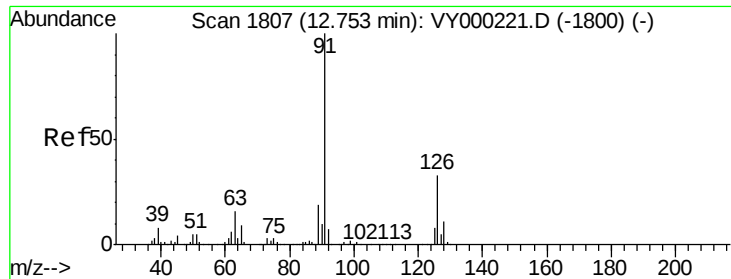
120 24.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.326 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 91 Resp: 21923

Ion Ratio Lower Upper

91 100

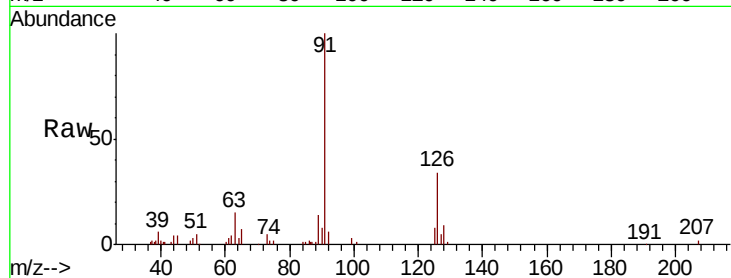
126 38.0 17.2 51.6

Manual Integrations

APPROVED

MMDadoda

10/14/2019 1:33:52 PM



Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY000221.D (-1800) (-)

20000

15000

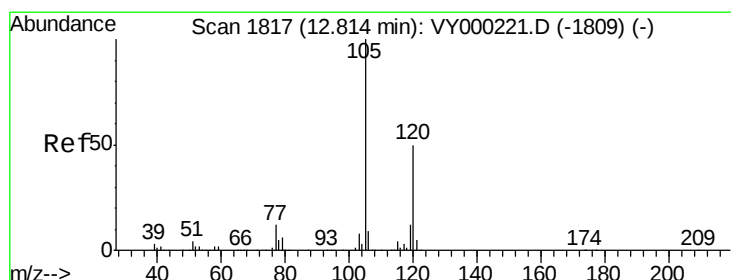
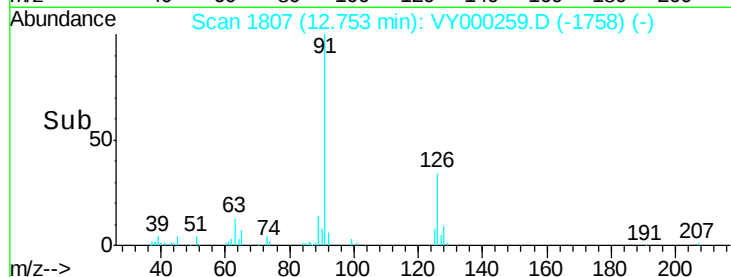
10000

5000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.262 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000259.D

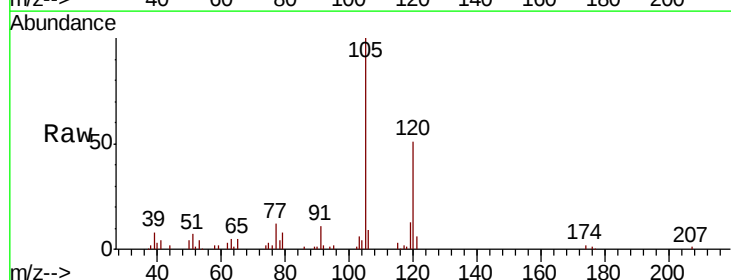
Acq: 10 Oct 2019 17:29

Tgt Ion: 105 Resp: 26455

Ion Ratio Lower Upper

105 100

120 48.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VY000221.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY000221.D (-1809) (-)

20000

15000

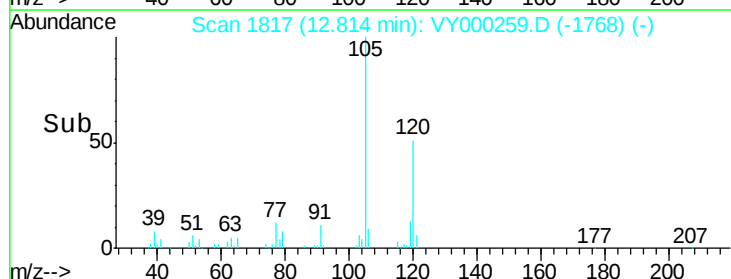
10000

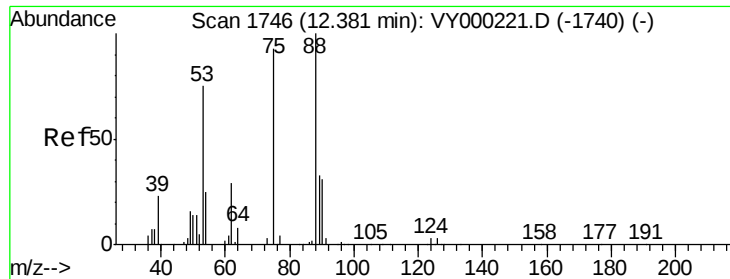
5000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 1.991 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

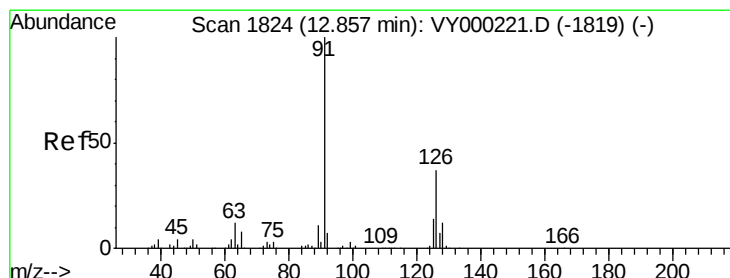
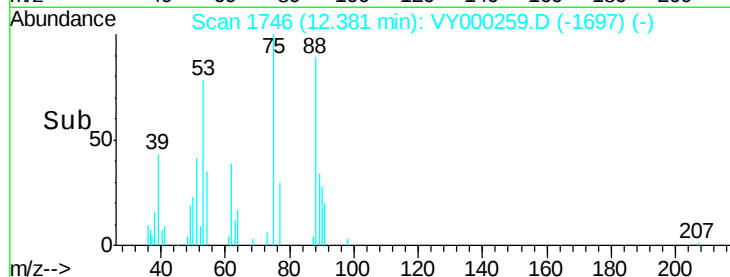
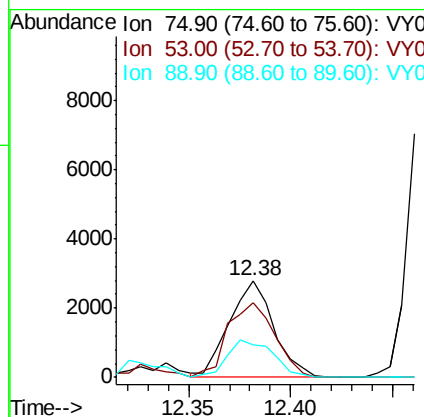
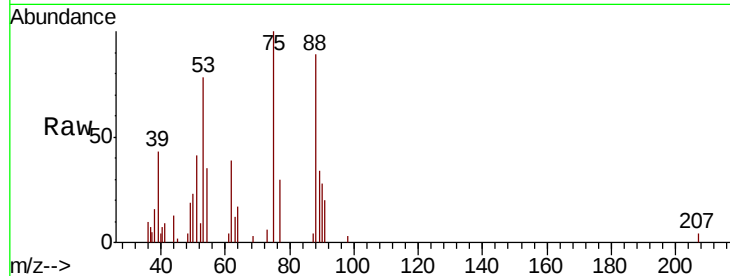
ClientSampleId :

2.5PPBMDL

Tot Ion:	75	Resp:	4215
Ion	Ratio	Lower	Upper
75	100		
53	82.4	66.5	99.7
89	40.2	46.9	70.3#

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM



#82

4-Chlorotoluene

Concen: 2.210 ug/l

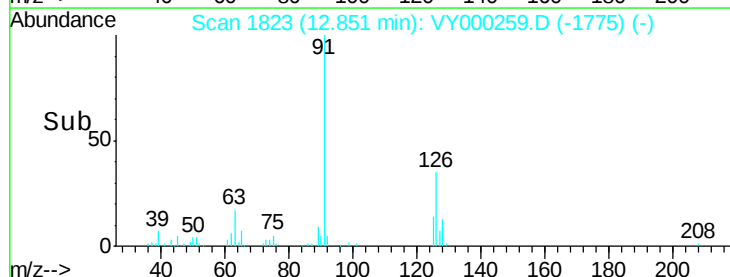
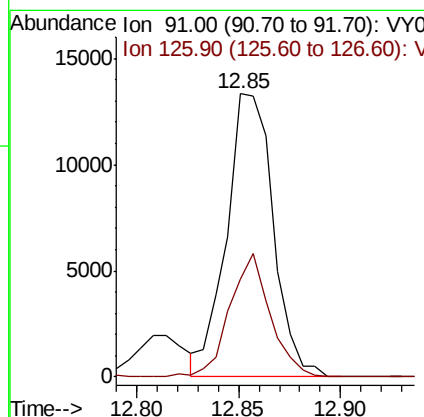
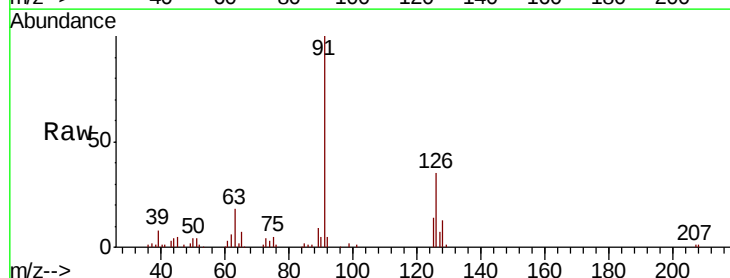
RT: 12.85 min Scan# 1823

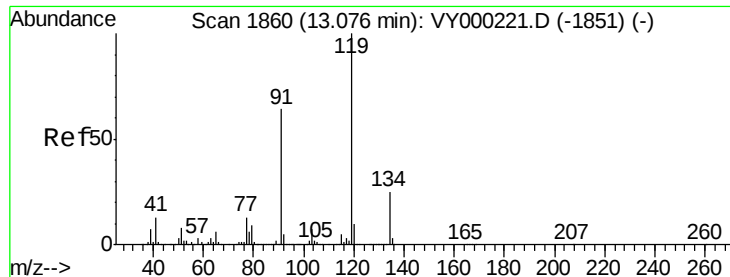
Delta R.T. -0.01 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Tgt Ion:	91	Resp:	21104
Ion	Ratio	Lower	Upper
91	100		
126	37.9	17.3	52.0





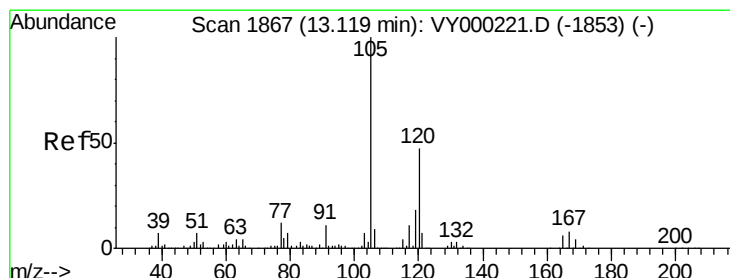
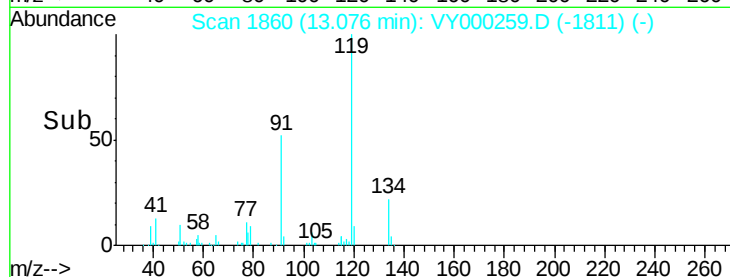
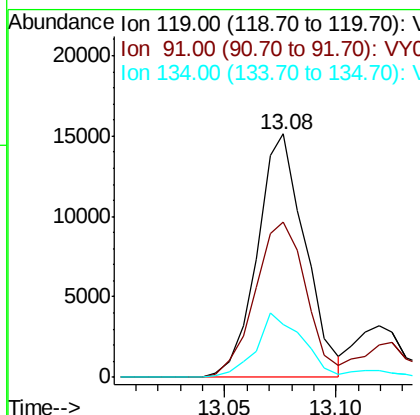
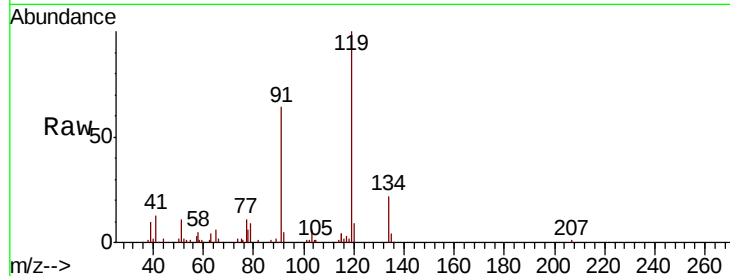
#83
tert-Butylbenzene
Concen: 2.220 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	32.4	97.2
134	25.3	13.2	39.6

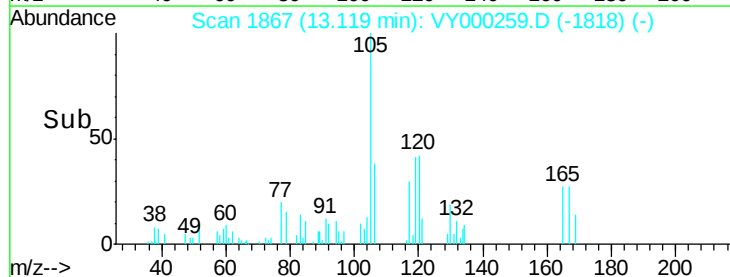
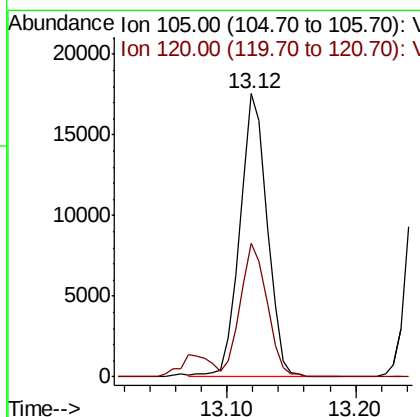
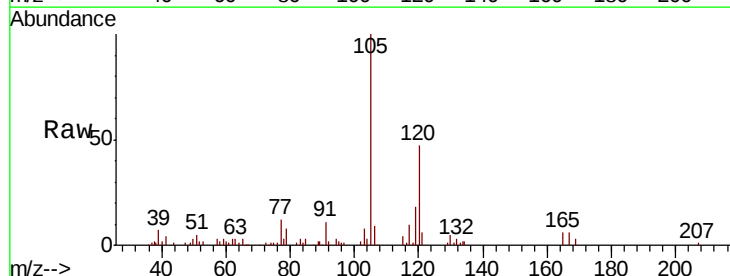
Manual Integrations
APPROVED

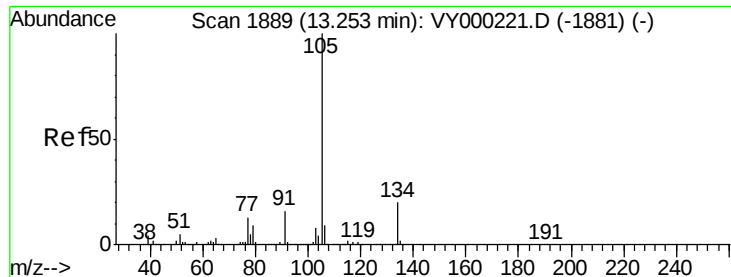
MMDadoda
10/14/2019 1:33:52 PM



#84
1,2,4-Trimethylbenzene
Concen: 2.206 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.8	68.3





#85

sec-Butylbenzene

Concen: 2.147 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:105 Resp: 30083

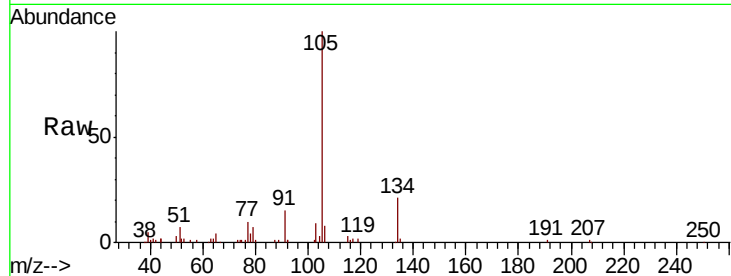
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6

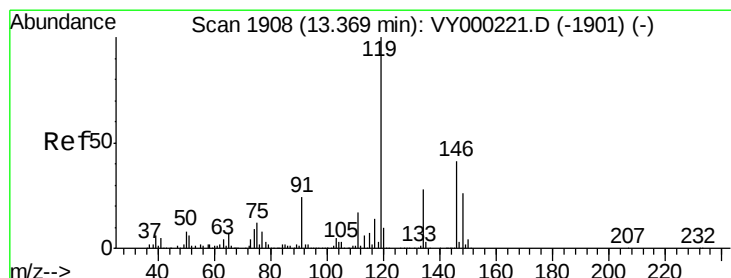
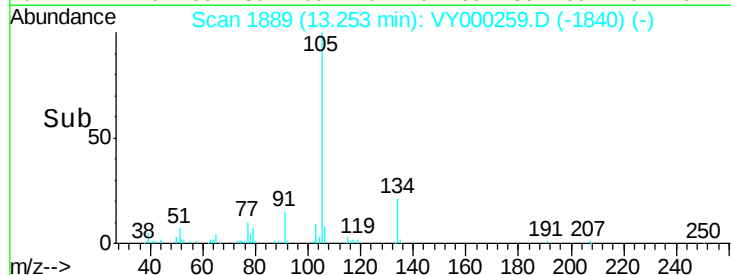
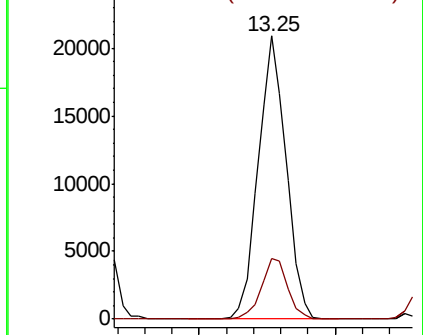
Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.248 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000259.D

Acq: 10 Oct 2019 17:29

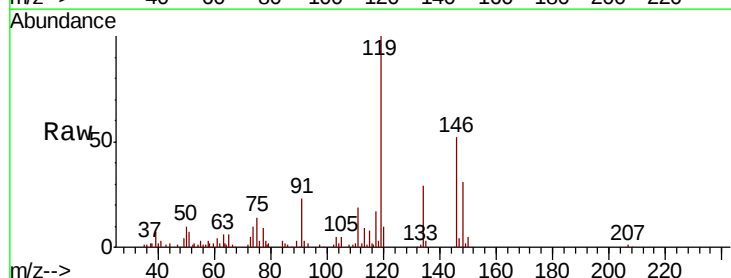
Tgt Ion:119 Resp: 27704

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

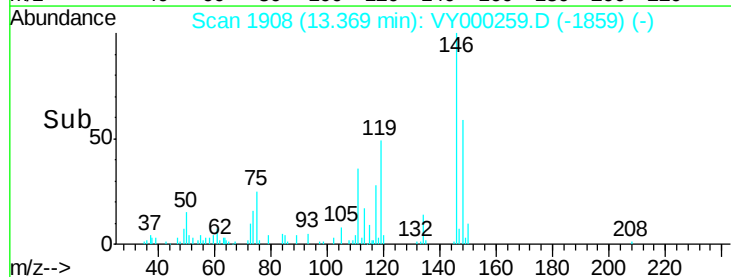
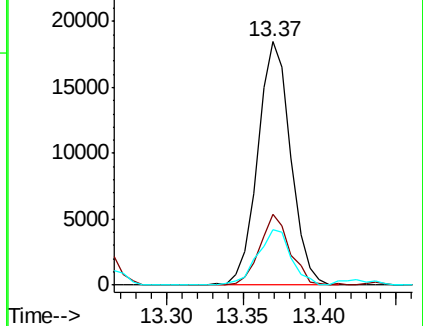
91 23.2 11.7 35.1

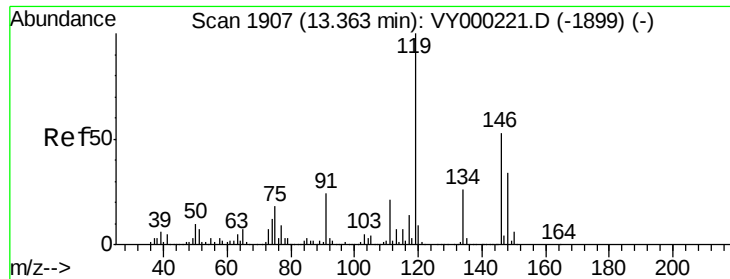


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





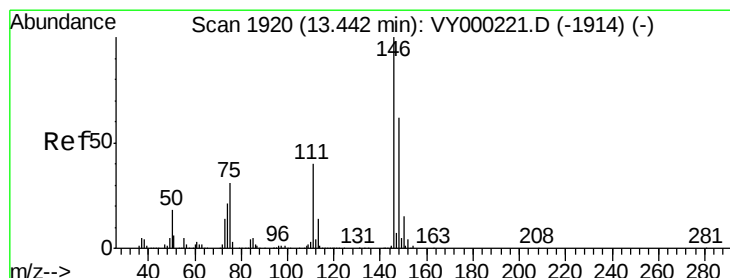
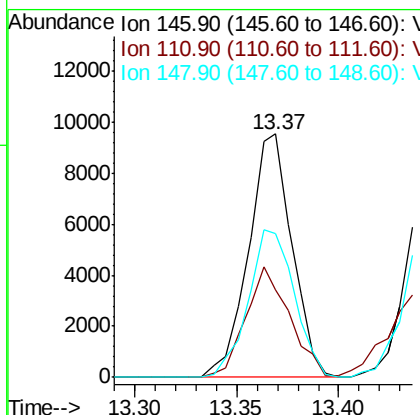
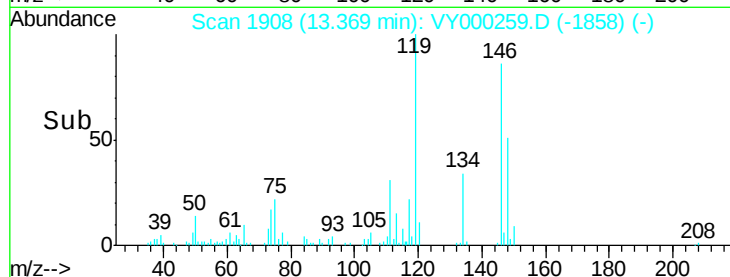
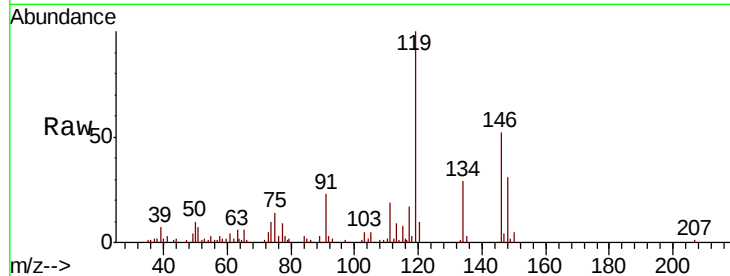
#87
 1,3-Dichlorobenzene
 Concen: 2.378 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	20.3	60.8
148	64.3	31.7	95.1

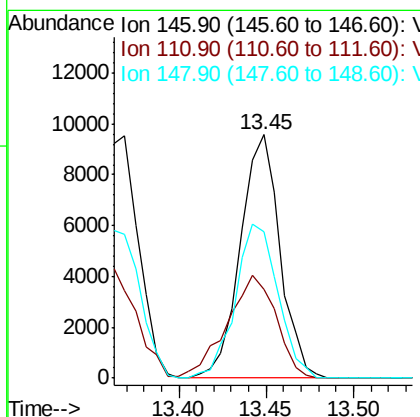
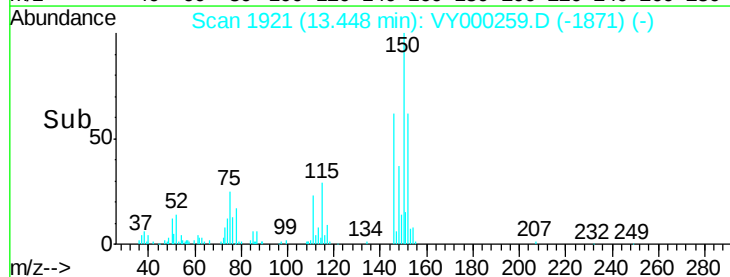
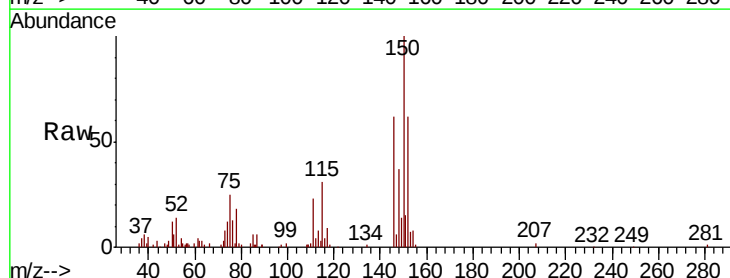
Manual Integrations
 APPROVED

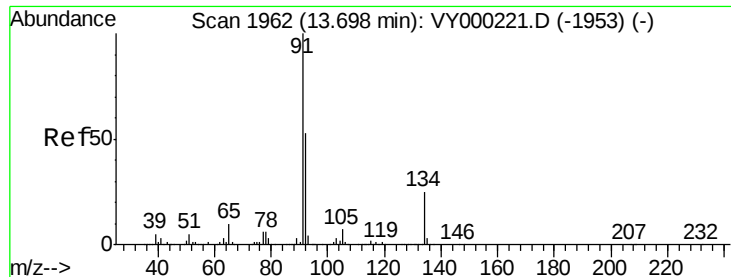
MMDadoda
 10/14/2019 1:33:52 PM



#88
 1,4-Dichlorobenzene
 Concen: 2.425 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.6	19.8	59.3
148	68.4	31.6	94.8





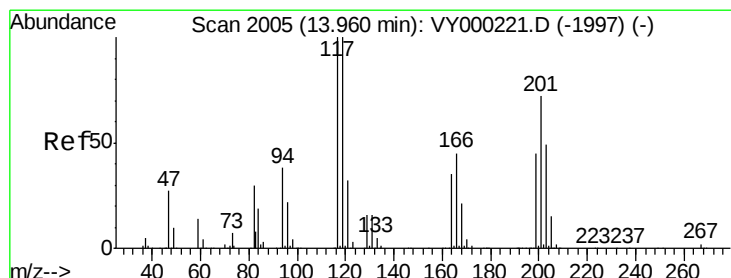
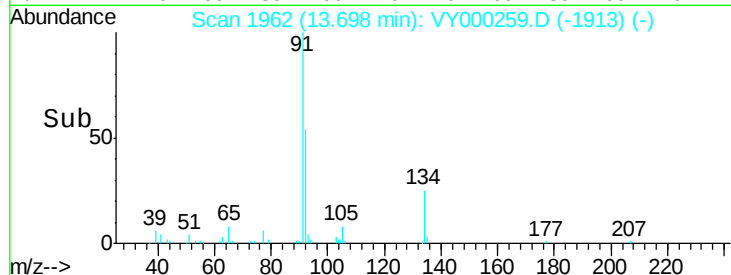
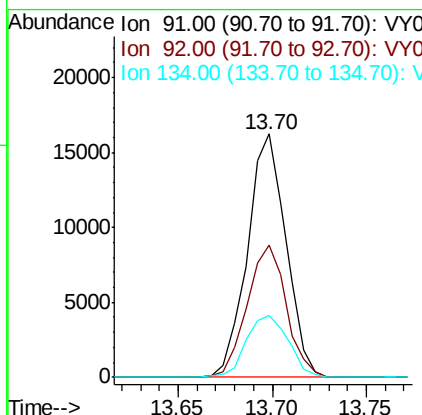
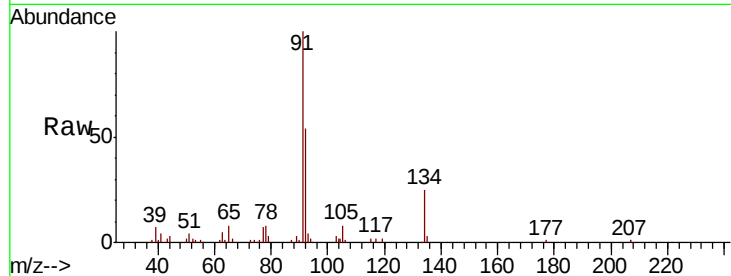
#89
n-Butylbenzene
Concen: 1.980 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.0	80.8
134	27.8	12.8	38.4

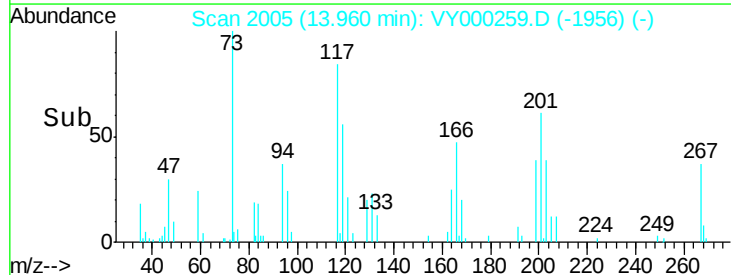
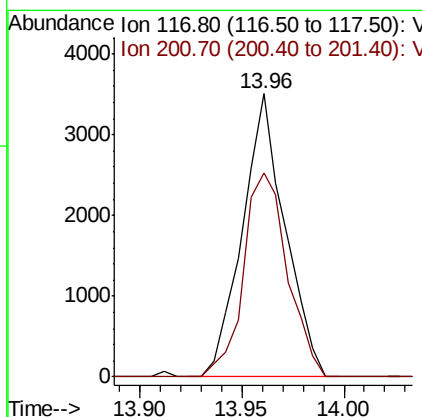
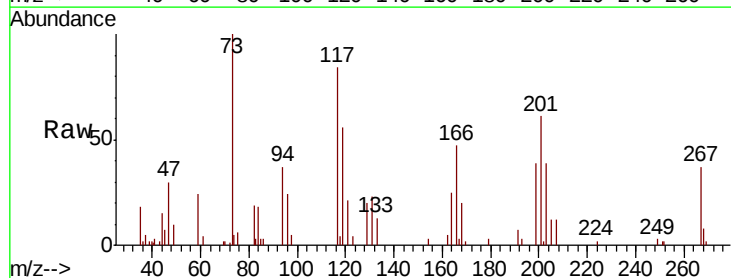
Manual Integrations
APPROVED

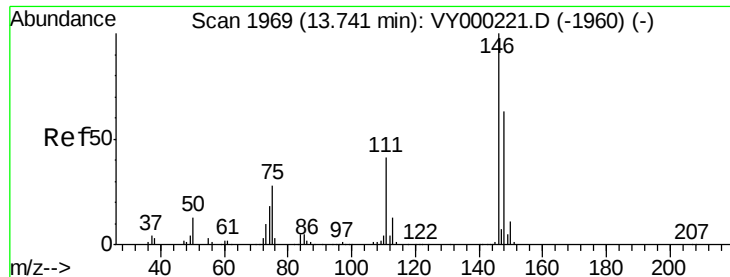
MMDadoda
10/14/2019 1:33:52 PM



#90
Hexachloroethane
Concen: 2.189 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.2	35.5	106.5





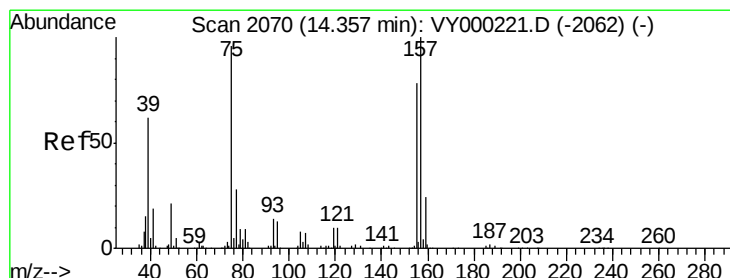
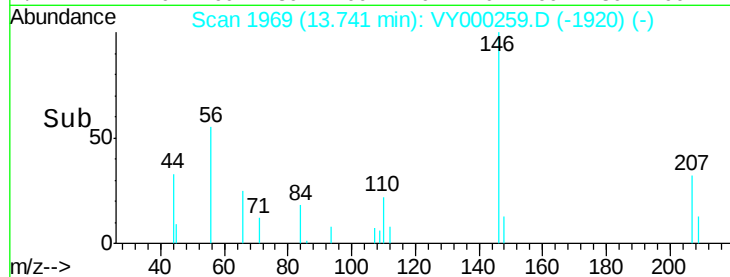
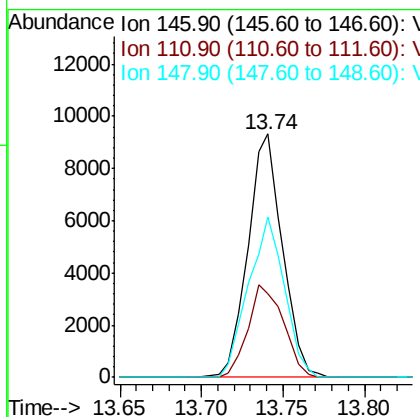
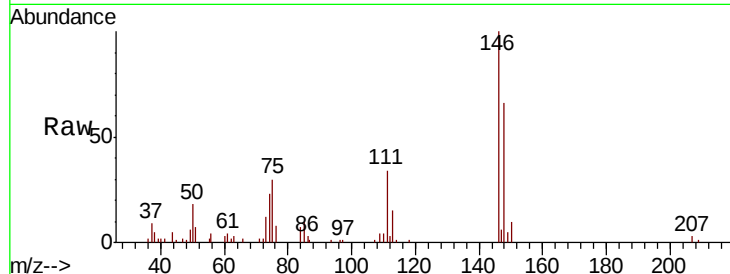
#91
 1,2-Dichlorobenzene
 Concen: 2.273 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.9	62.8
148	68.4	31.6	95.0

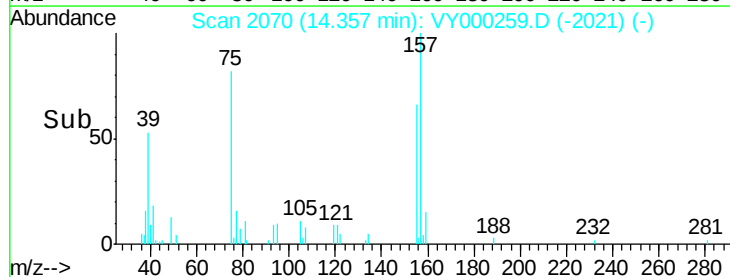
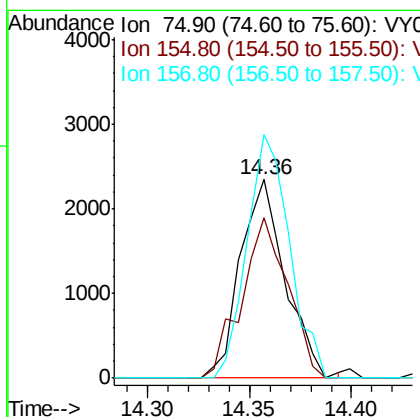
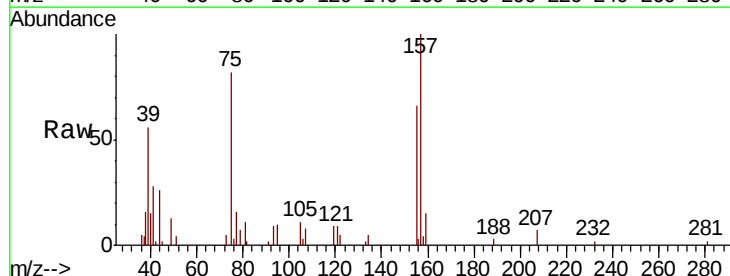
Manual Integrations
 APPROVED

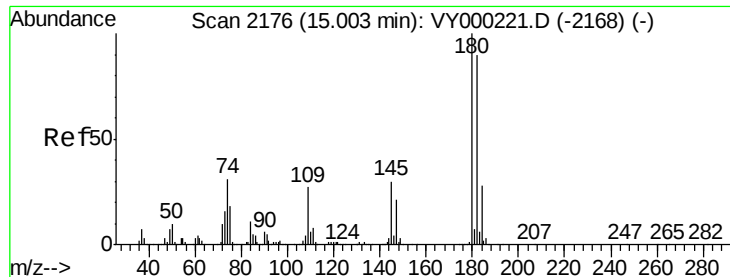
MMDadoda
 10/14/2019 1:33:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.389 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	42.4	127.3
157	116.8	53.8	161.5





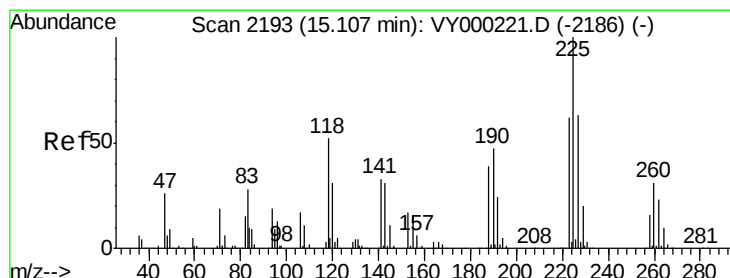
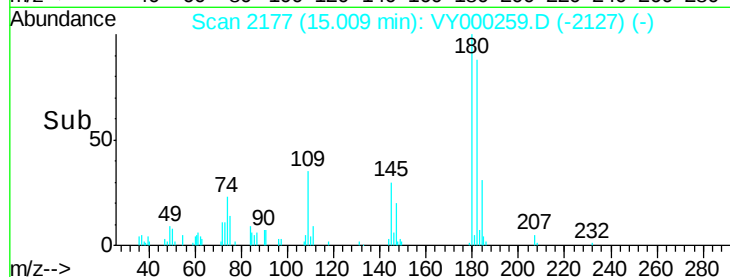
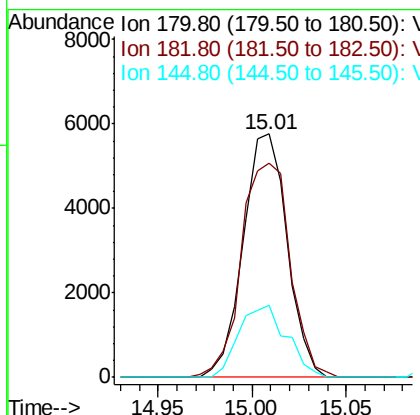
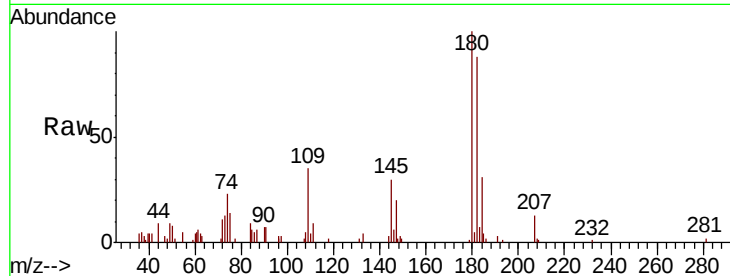
#93
 1,2,4-Trichlorobenzene
 Concen: 2.284 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.2	141.6
145	32.0	15.3	45.8

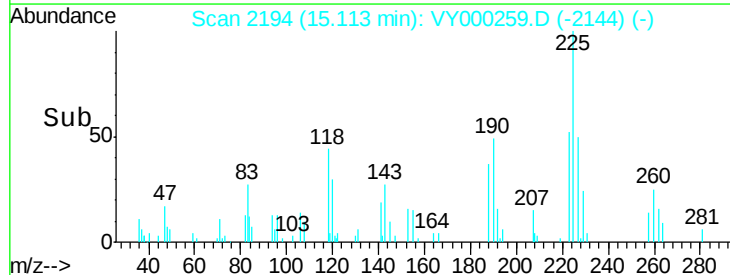
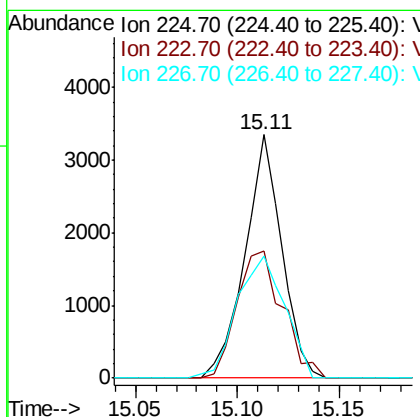
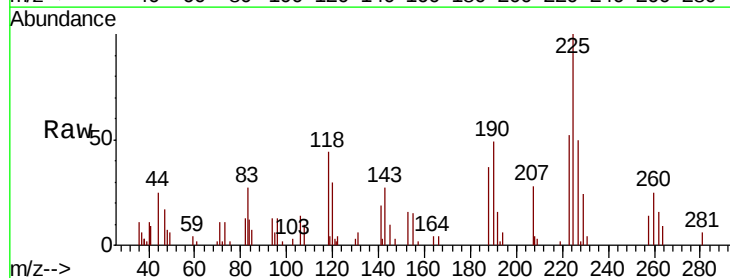
Manual Integrations
 APPROVED

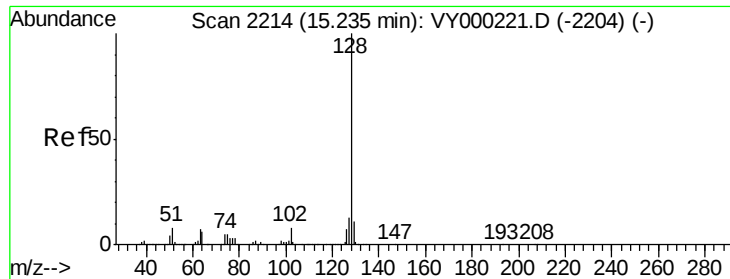
MMDadoda
 10/14/2019 1:33:52 PM



#94
 Hexachlorobutadiene
 Concen: 2.148 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000259.D
 Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.9	95.5
227	65.1	31.5	94.5





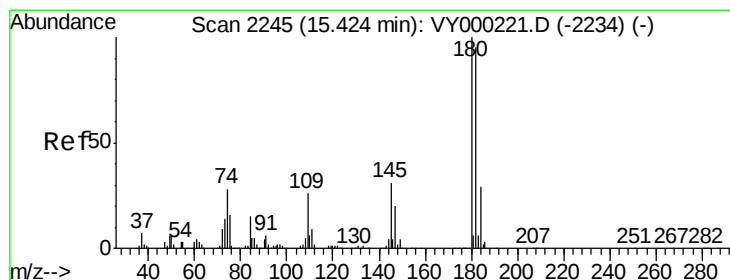
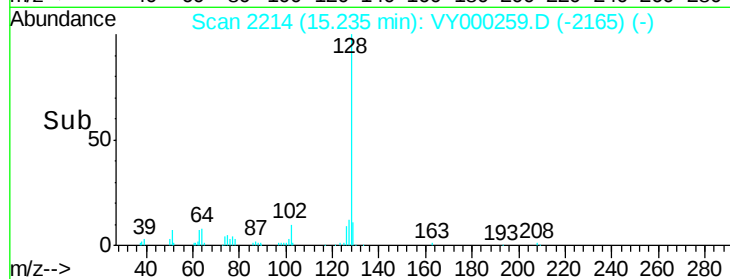
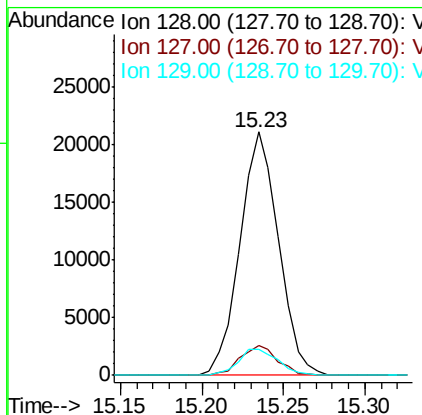
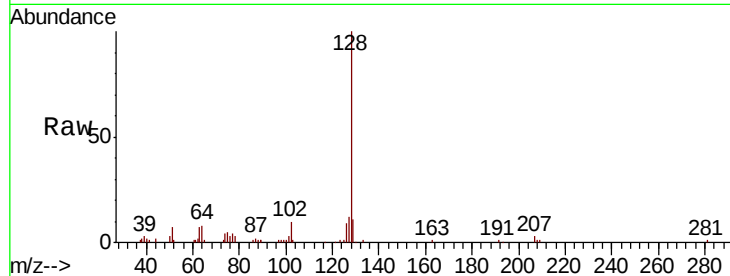
#95
Naphthalene
Concen: 2.262 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.2	15.2
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.401 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000259.D
Acq: 10 Oct 2019 17:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.6	47.9	143.7
145	36.1	16.3	48.9

