

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000244.D
 Acq On : 09 Oct 2019 15:29
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:40:43 AM

Quant Time: Oct 10 02:19:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 02:06:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	292447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	490800	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	423489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	194381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	195419	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
35) Dibromofluoromethane	7.74	113	154857	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.19	98	584843	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.48	95	196592	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	1536	0.526	ug/l 84
3) Chloromethane	2.12	50	2388	0.601	ug/l 94
4) Vinyl Chloride	2.26	62	2213	0.539	ug/l 90
5) Bromomethane	2.65	94	1943	0.750	ug/l 81
6) Chloroethane	2.80	64	1499	0.578	ug/l # 88
7) Trichlorofluoromethane	3.14	101	2708	0.510	ug/l # 63
8) Diethyl Ether	3.54	74	1335	0.550	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.91	101	1641	0.530	ug/l # 90
10) Methyl Iodide	4.08	142	1553	0.340	ug/l # 83
11) Tert butyl alcohol	4.95	59	10954	5.361	ug/l # 73
12) 1,1-Dichloroethene	3.88	96	1643	0.511	ug/l # 70
13) Acrolein	3.74	56	2571	2.397	ug/l 84
14) Allyl chloride	4.48	41	3493	0.645	ug/l # 46
15) Acrylonitrile	5.18	53	10434	2.893	ug/l 95
16) Acetone	3.96	43	9590	3.219	ug/l 97
17) Carbon Disulfide	4.19	76	4743	0.500	ug/l # 76
18) Methyl Acetate	4.49	43	4316	0.529	ug/l # 51
19) Methyl tert-butyl Ether	5.25	73	6535	0.556	ug/l # 84
20) Methylene Chloride	4.73	84	3162	0.808	ug/l # 73
21) trans-1,2-Dichloroethene	5.24	96	1721m	0.476	ug/l
22) Diisopropyl ether	6.12	45	6182	0.493	ug/l # 76
23) Vinyl Acetate	6.08	43	25813	2.271	ug/l # 88
24) 1,1-Dichloroethane	6.04	63	3580	0.559	ug/l # 82
25) 2-Butanone	7.01	43	14518	2.634	ug/l 95
26) 2,2-Dichloropropane	7.00	77	4040	0.699	ug/l 100
27) cis-1,2-Dichloroethene	7.00	96	2126	0.499	ug/l 83
28) Bromochloromethane	7.35	49	1311	0.622	ug/l # 63
29) Tetrahydrofuran	7.36	42	10083	2.591	ug/l 94
30) Chloroform	7.52	83	4064	0.612	ug/l 87
31) Cyclohexane	7.80	56	8857	1.370	ug/l # 54
32) 1,1,1-Trichloroethane	7.72	97	3142	0.556	ug/l # 48
36) 1,1-Dichloropropene	7.93	75	2620	0.525	ug/l # 89
37) Ethyl Acetate	7.09	43	5367	0.594	ug/l # 85
38) Carbon Tetrachloride	7.92	117	2905	0.597	ug/l # 64

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000244.D
 Acq On : 09 Oct 2019 15:29
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:40:43 AM

Quant Time: Oct 10 02:19:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 02:06:22 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.19	83	2906	0.464	ug/l #	65
40) Benzene	8.18	78	8011	0.529	ug/l	93
41) Methacrylonitrile	7.36	41	5186m	0.730	ug/l	
42) 1,2-Dichloroethane	8.25	62	3655	0.743	ug/l	79
43) Isopropyl Acetate	8.28	43	6225	0.536	ug/l	97
44) Trichloroethene	8.96	130	2411	0.587	ug/l	71
45) 1,2-Dichloropropane	9.23	63	1879	0.495	ug/l #	83
46) Dibromomethane	9.32	93	1528	0.574	ug/l	96
47) Bromodichloromethane	9.50	83	2766	0.532	ug/l #	68
48) Methyl methacrylate	9.30	41	2817	0.537	ug/l #	86
49) 1,4-Dioxane	9.32	88	1720	12.775	ug/l	88
51) 4-Methyl-2-Pentanone	10.08	43	22505	2.577	ug/l	97
52) Toluene	10.25	92	4898	0.504	ug/l	94
53) t-1,3-Dichloropropene	10.47	75	2772	0.470	ug/l #	82
54) cis-1,3-Dichloropropene	9.94	75	3145	0.492	ug/l #	89
55) 1,1,2-Trichloroethane	10.65	97	1935	0.505	ug/l #	78
56) Ethyl methacrylate	10.52	69	3081	0.457	ug/l #	94
57) 1,3-Dichloropropane	10.80	76	3376	0.516	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.80	63	6904	2.296	ug/l #	84
59) 2-Hexanone	10.84	43	18031	2.436	ug/l	100
60) Dibromochloromethane	10.99	129	2011	0.496	ug/l	90
61) 1,2-Dibromoethane	11.10	107	2519	0.619	ug/l	90
64) Tetrachloroethene	10.72	164	2747	0.710	ug/l #	80
65) Chlorobenzene	11.52	112	5112	0.521	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	2081	0.593	ug/l #	57
67) Ethyl Benzene	11.60	91	9362	0.534	ug/l	89
68) m/p-Xylenes	11.70	106	6306	0.942	ug/l	87
69) o-Xylene	12.03	106	3361	0.521	ug/l	96
70) Styrene	12.05	104	4953	0.446	ug/l #	87
71) Bromoform	12.21	173	1362	0.470	ug/l #	90
73) Isopropylbenzene	12.33	105	8158	0.495	ug/l	97
74) N-amyl acetate	12.14	43	3306	0.422	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.58	83	3153	0.561	ug/l	92
76) 1,2,3-Trichloropropane	12.63	75	2938m	0.572	ug/l	
77) Bromobenzene	12.61	156	2357	0.610	ug/l	90
78) n-propylbenzene	12.67	91	8919	0.464	ug/l	96
79) 2-Chlorotoluene	12.75	91	6555	0.592	ug/l	94
80) 1,3,5-Trimethylbenzene	12.81	105	7575	0.551	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	1224m	0.492	ug/l	
82) 4-Chlorotoluene	12.85	91	6279	0.560	ug/l	99
83) tert-Butylbenzene	13.07	119	6495	0.544	ug/l	88
84) 1,2,4-Trimethylbenzene	13.12	105	6716	0.489	ug/l	91
85) sec-Butylbenzene	13.25	105	8699	0.528	ug/l	100
86) p-Isopropyltoluene	13.37	119	6733	0.465	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	3845	0.549	ug/l	91
88) 1,4-Dichlorobenzene	13.44	146	4399m	0.603	ug/l	
89) n-Butylbenzene	13.70	91	6321	0.463	ug/l	96
90) Hexachloroethane	13.95	117	1503	0.549	ug/l	82
91) 1,2-Dichlorobenzene	13.75	146	3720	0.525	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1105	0.630	ug/l	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
Data File : VY000244.D
Acq On : 09 Oct 2019 15:29
Operator : SY/MD
Sample : 0.5PPBMDL
Misc : 5.0ml/MSVOA Y/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

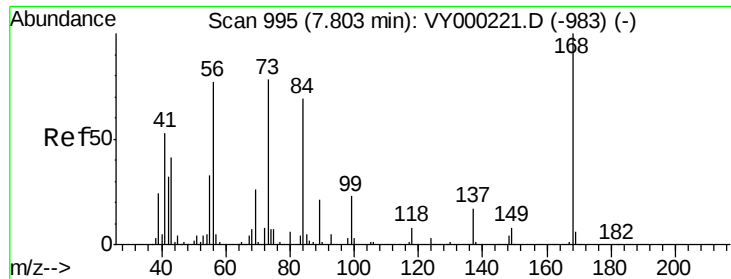
Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM

Quant Time: Oct 10 02:19:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 10 02:06:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	2374	0.493	ug/l	84
94) Hexachlorobutadiene	15.12	225	1182	0.514	ug/l	89
95) Naphthalene	15.24	128	9900	0.547	ug/l	96
96) 1,2,3-Trichlorobenzene	15.42	180	2820	0.609	ug/l	86

(#) = 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: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:168 Resp: 292447

Ion Ratio Lower Upper

168 100

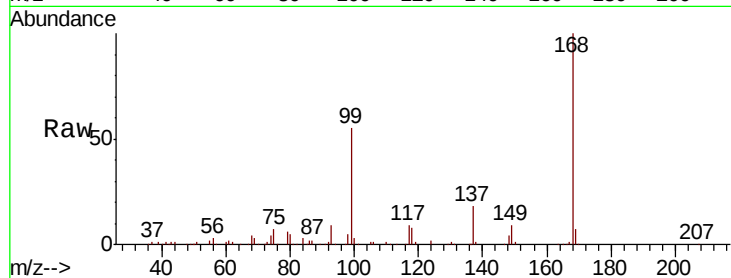
99 54.5 45.0 67.6

Manual Integrations

APPROVED

MMDadoda

10/11/2019 8:40:43 AM



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

150000

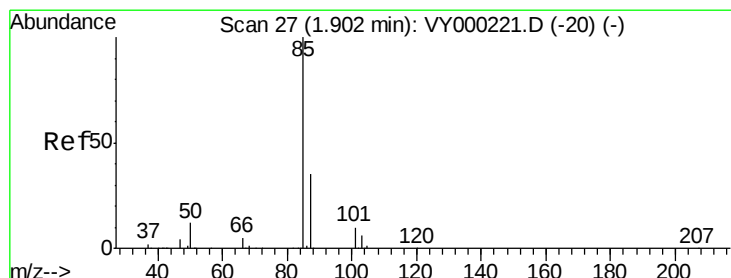
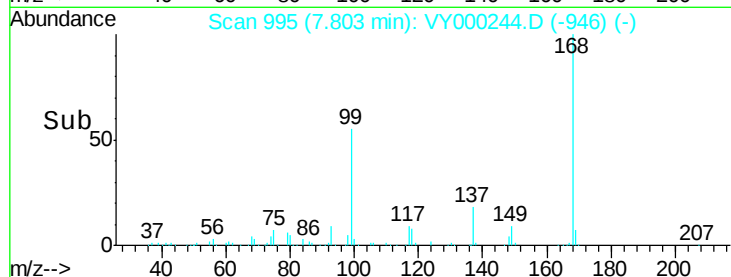
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 0.526 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000244.D

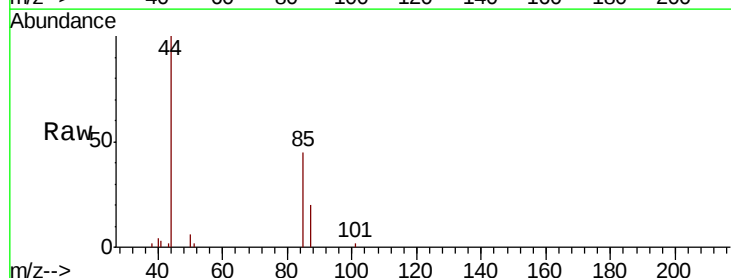
Acq: 09 Oct 2019 15:29

Tgt Ion: 85 Resp: 1536

Ion Ratio Lower Upper

85 100

87 43.9 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

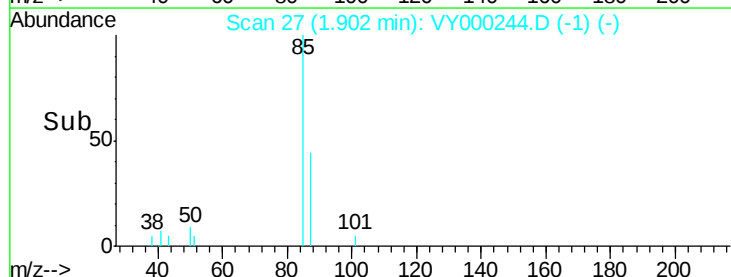
1000

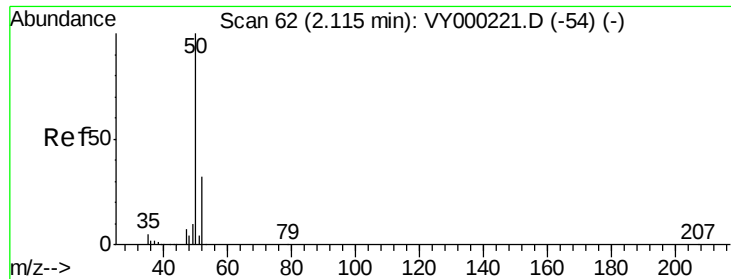
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 0.601 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 50 Resp: 2388

Ion Ratio Lower Upper

50 100

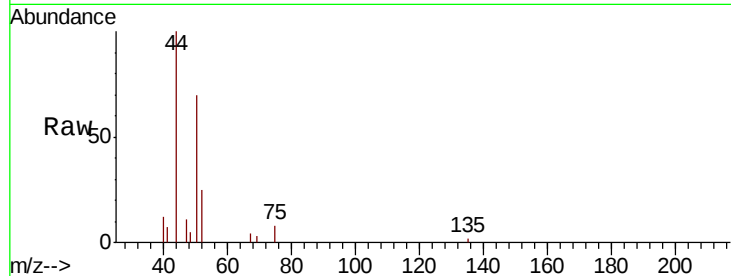
52 34.9 25.4 38.0

Manual Integrations

APPROVED

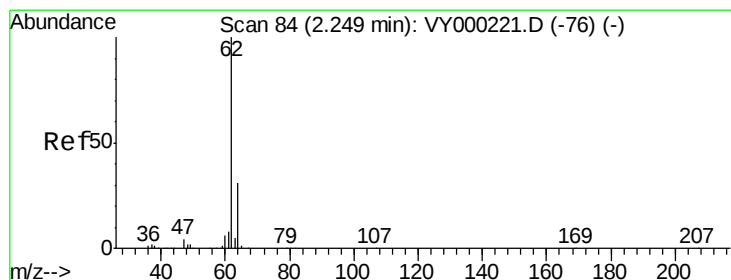
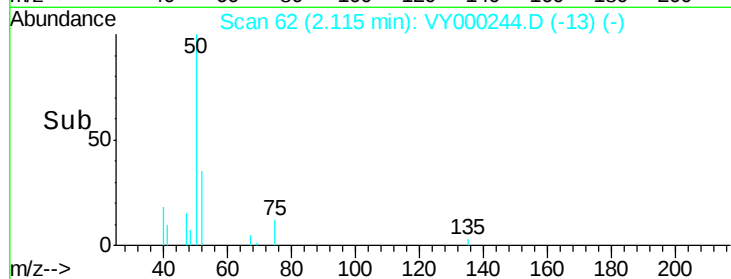
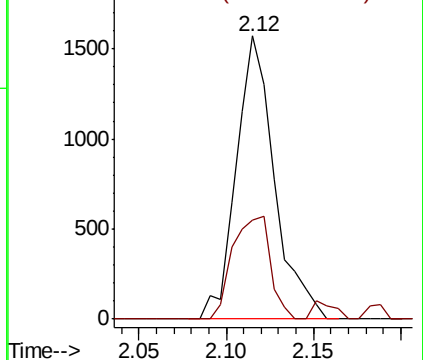
MMDadoda

10/11/2019 8:40:43 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 0.539 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000244.D

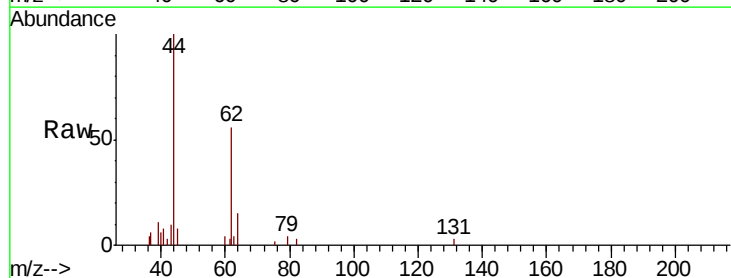
Acq: 09 Oct 2019 15:29

Tgt Ion: 62 Resp: 2213

Ion Ratio Lower Upper

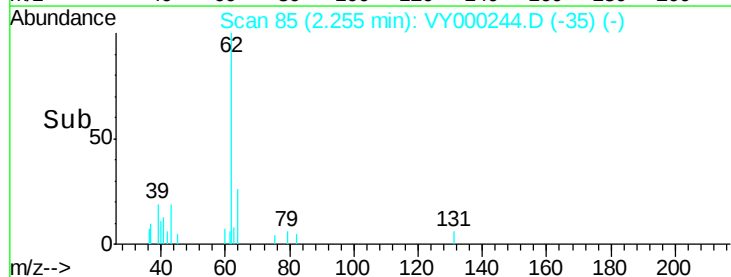
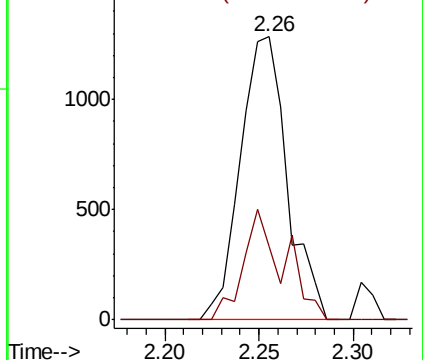
62 100

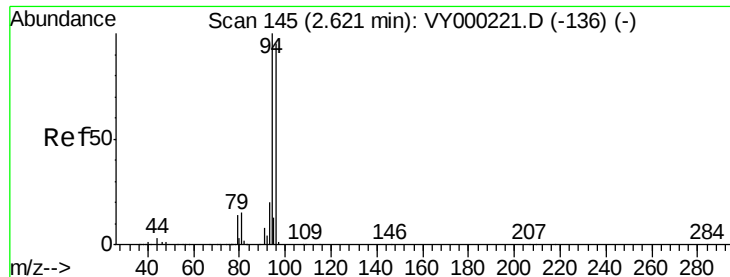
64 26.0 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 0.750 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.03 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 94 Resp: 1943

Ion Ratio Lower Upper

94 100

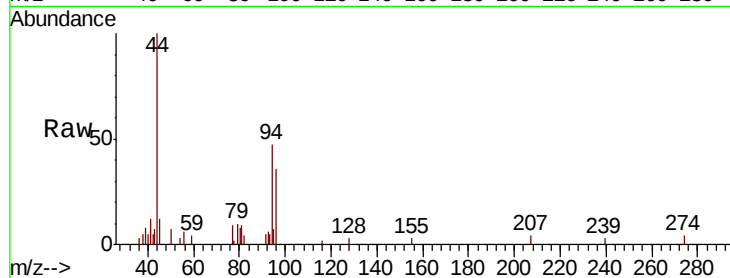
96 75.9 75.7 113.5

Manual Integrations

APPROVED

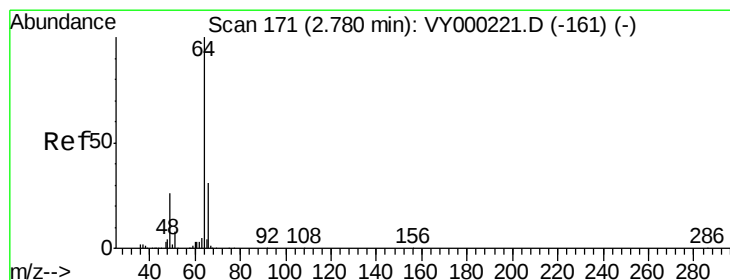
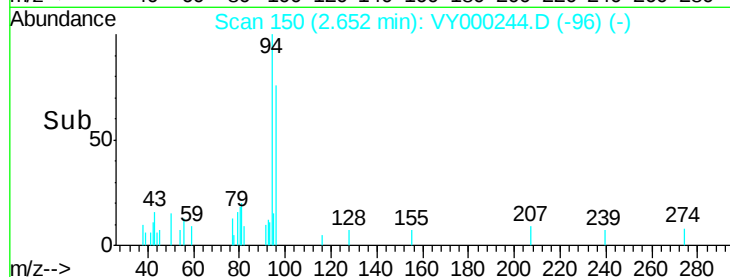
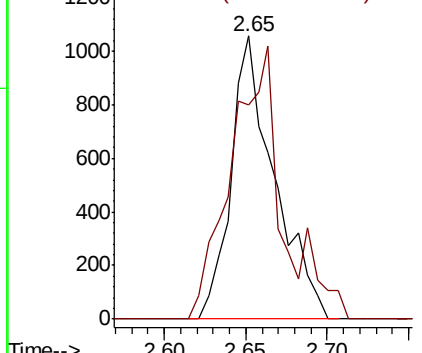
MMDadoda

10/11/2019 8:40:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 0.578 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.02 min

Lab File: VY000244.D

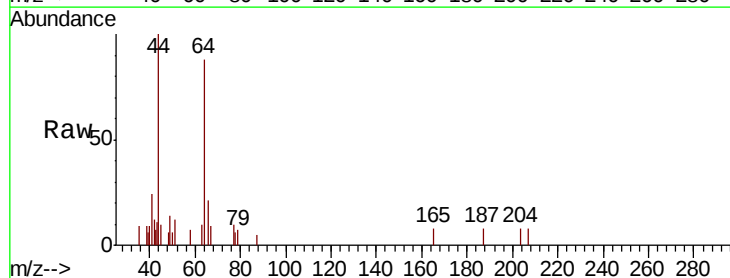
Acq: 09 Oct 2019 15:29

Tgt Ion: 64 Resp: 1499

Ion Ratio Lower Upper

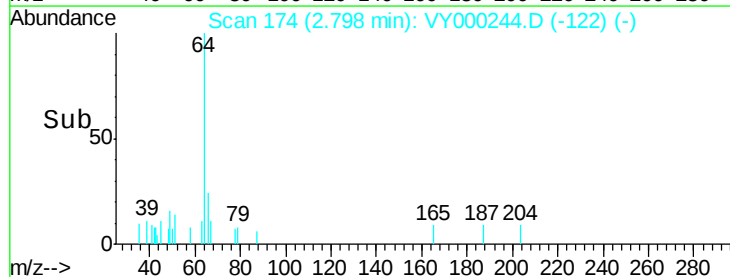
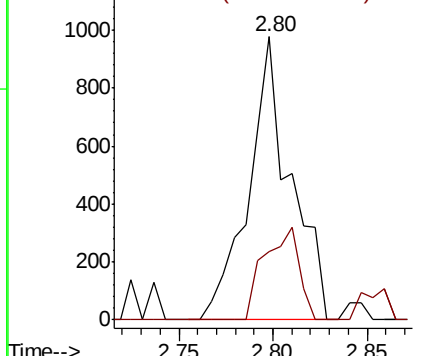
64 100

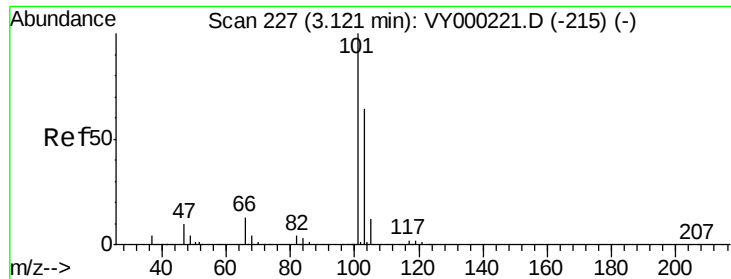
66 24.1 24.5 36.7#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

Trichlorofluoromethane

Concen: 0.510 ug/l

RT: 3.14 min Scan# 230

Delta R.T. 0.02 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:101 Resp: 2708

Ion Ratio Lower Upper

101 100

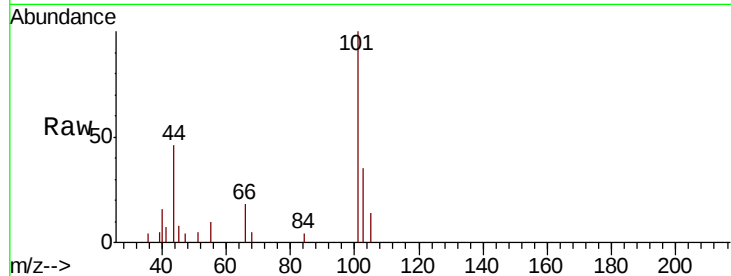
103 35.0 51.0 76.6#

Manual Integrations

APPROVED

MMDadoda

10/11/2019 8:40:43 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1500

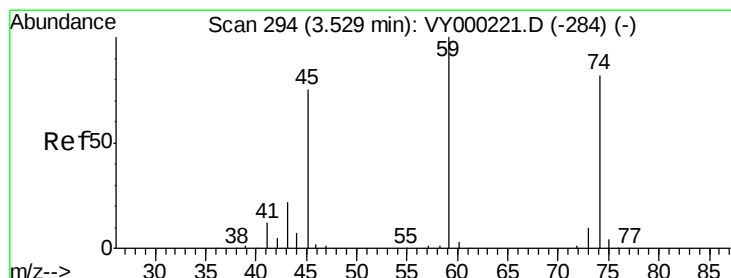
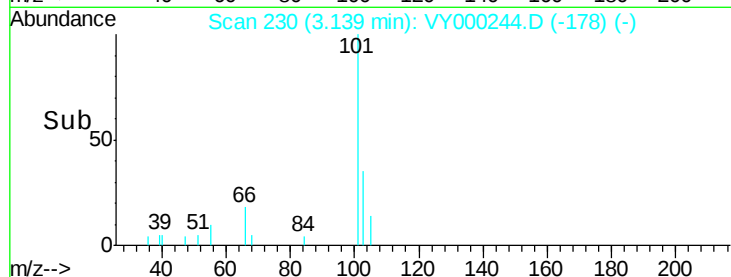
3.14

1000

500

0

Time-->



#8

Diethyl Ether

Concen: 0.550 ug/l

RT: 3.54 min Scan# 295

Delta R.T. 0.01 min

Lab File: VY000244.D

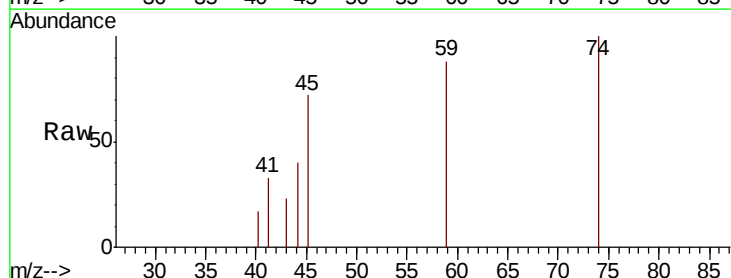
Acq: 09 Oct 2019 15:29

Tgt Ion: 74 Resp: 1335

Ion Ratio Lower Upper

74 100

45 103.5 45.8 137.4



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0

800

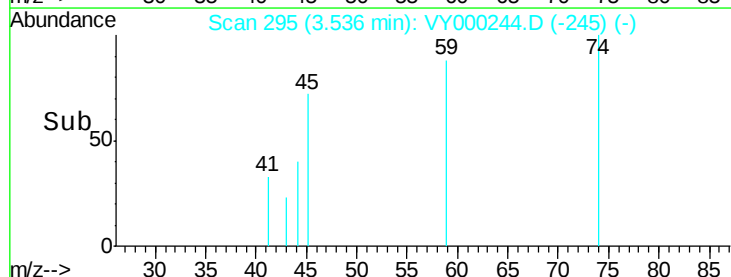
600

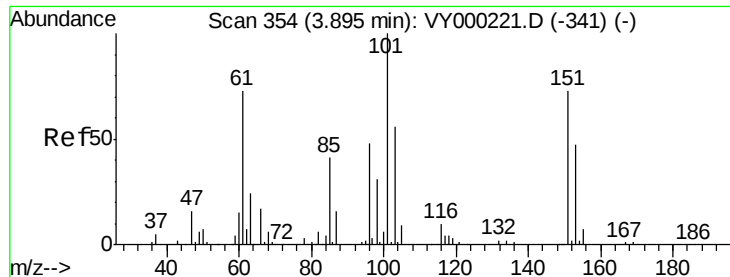
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.530 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

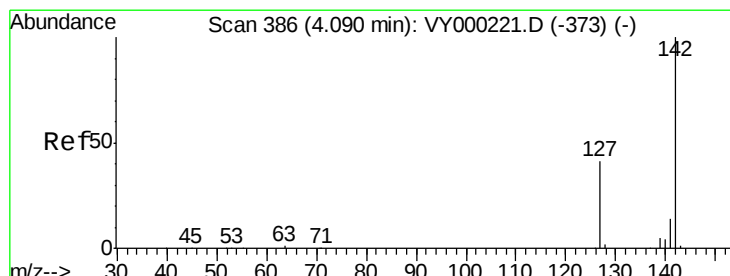
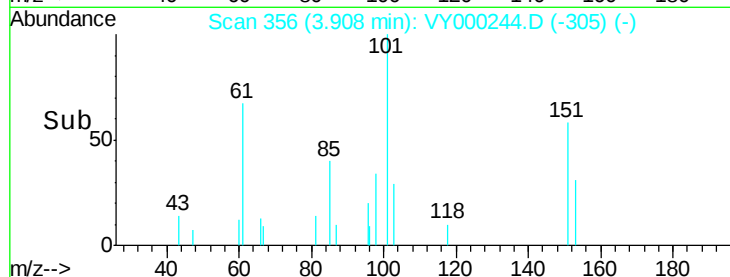
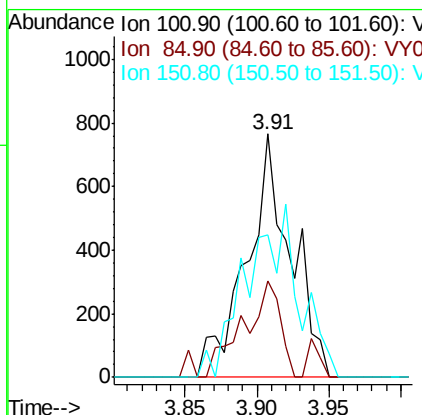
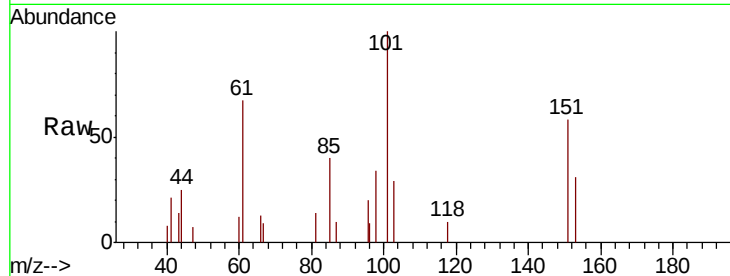
ClientSampled :

0.5PPBMDL

Tot Ion:	101	Resp:	1641
Ion Ratio	Lower	Upper	
101	100		
85	32.8	37.0	55.6#
151	82.6	63.0	94.4

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM



#10

Methyl Iodide

Concen: 0.340 ug/l

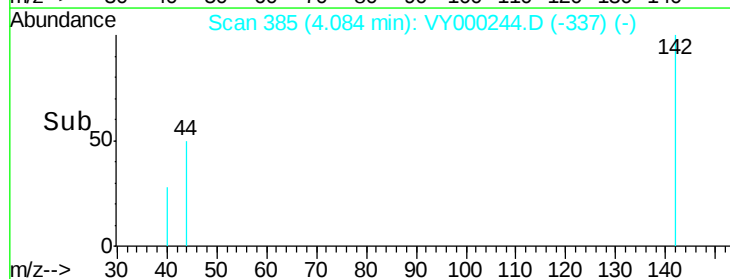
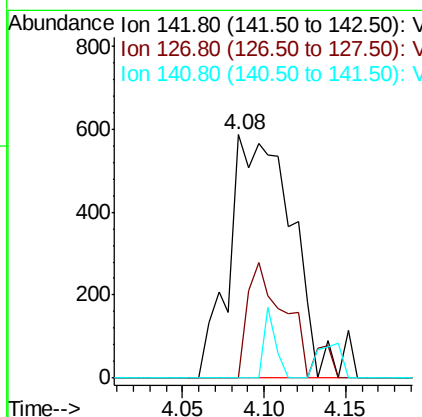
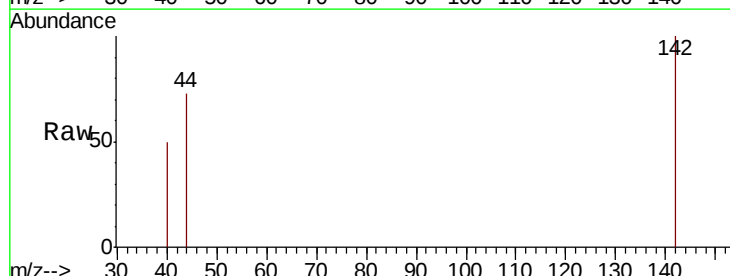
RT: 4.08 min Scan# 385

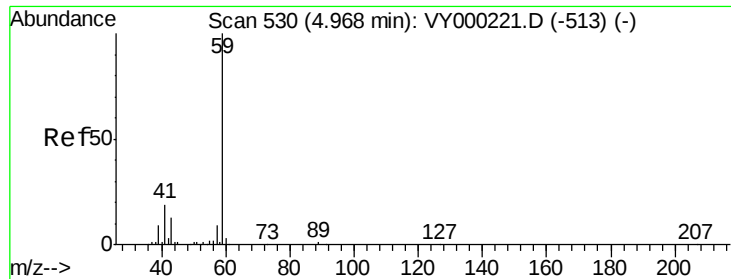
Delta R.T. -0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Tgt Ion:	142	Resp:	1553
Ion Ratio	Lower	Upper	
142	100		
127	31.0	33.0	49.6#
141	5.4	11.0	16.4#





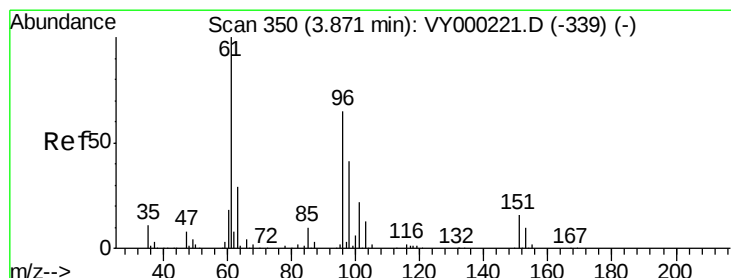
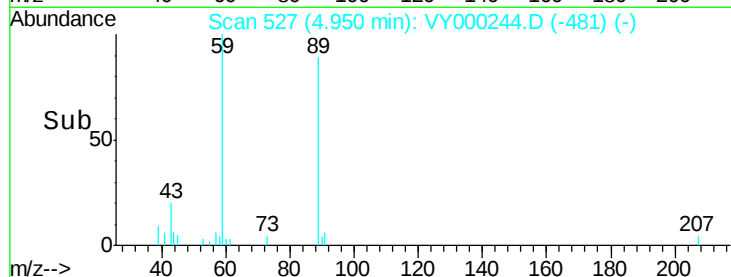
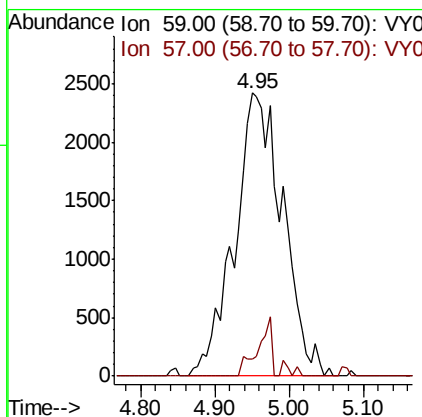
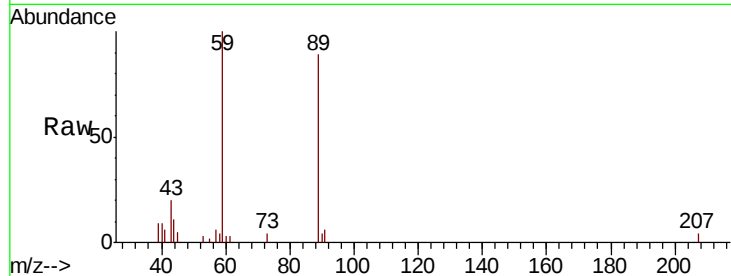
#11
Tert butyl alcohol
Concen: 5.361 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampled :
0.5PPBMDL

Tot Ion: 59 Resp: 10954
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

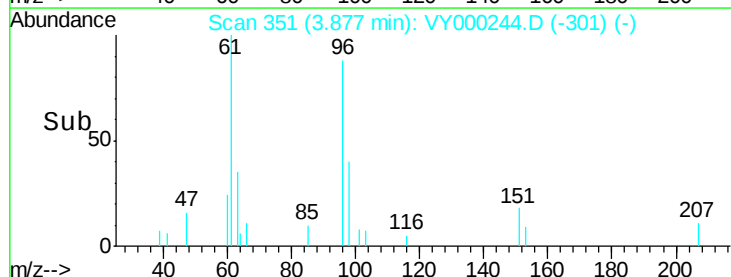
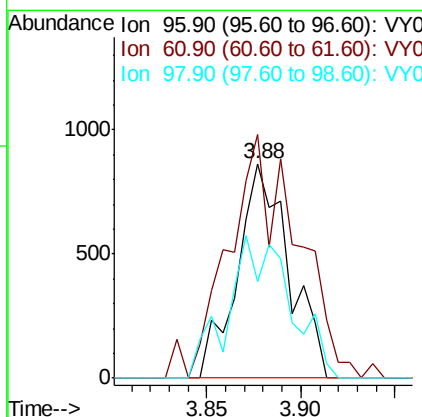
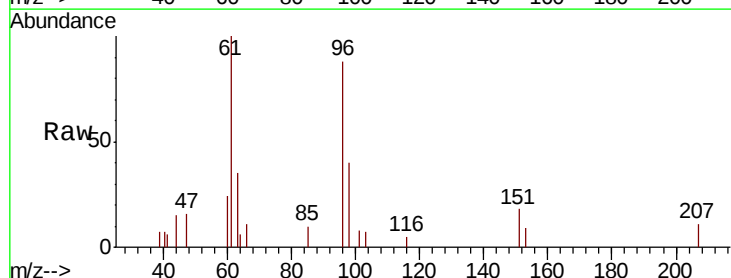
Manual Integrations
APPROVED

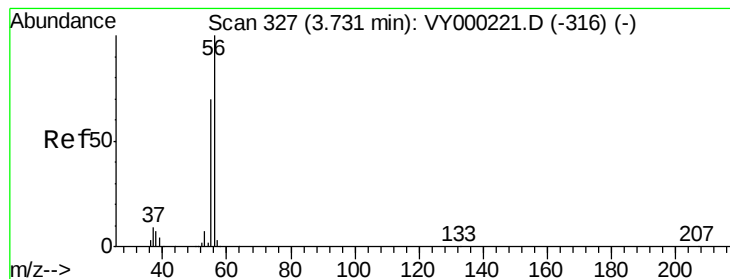
MMDadoda
10/11/2019 8:40:43 AM



#12
1,1-Dichloroethene
Concen: 0.511 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion: 96 Resp: 1643
Ion Ratio Lower Upper
96 100
61 113.5 123.8 185.8#
98 45.0 50.9 76.3#





#13

Acrolein

Concen: 2.397 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 56 Resp: 2571

Ion Ratio Lower Upper

56 100

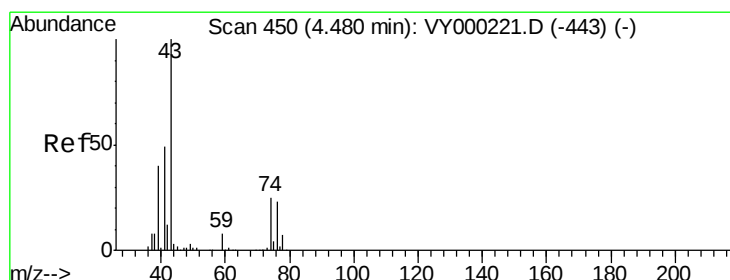
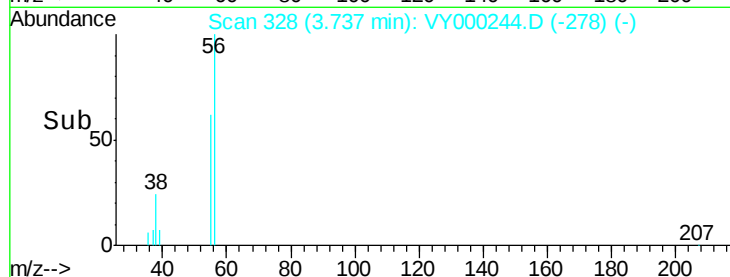
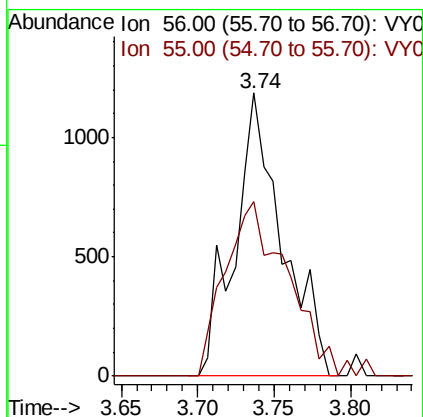
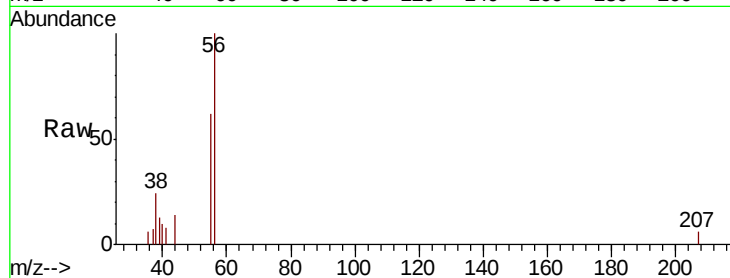
55 82.3 55.2 82.8

Manual Integrations

APPROVED

MMDadoda

10/11/2019 8:40:43 AM



#14

Allyl chloride

Concen: 0.645 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

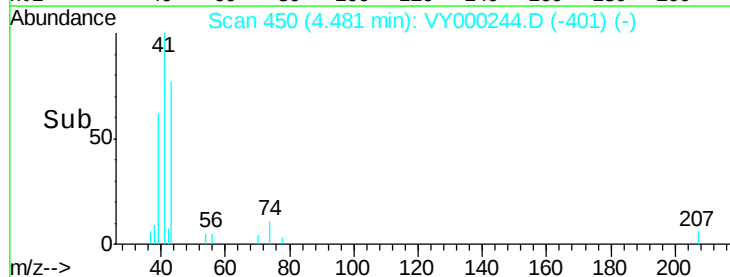
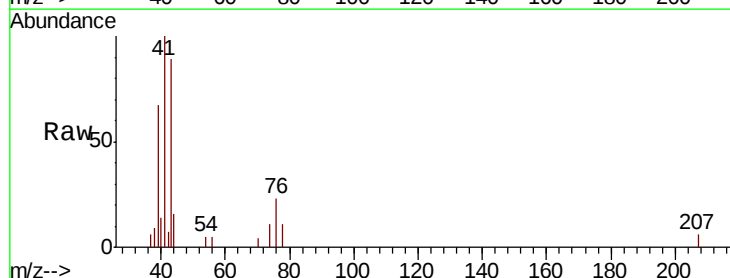
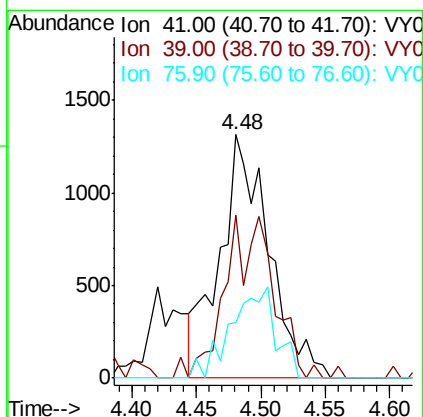
Tgt Ion: 41 Resp: 3493

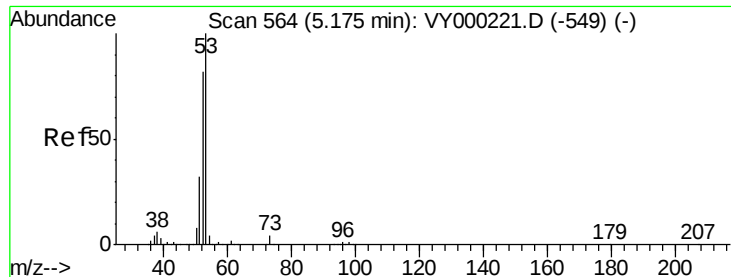
Ion Ratio Lower Upper

41 100

39 29.8 56.4 84.6#

76 0.0 30.8 46.2#





#15

Acrylonitrile

Concen: 2.893 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

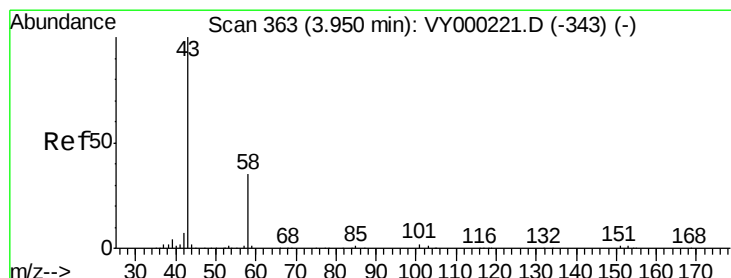
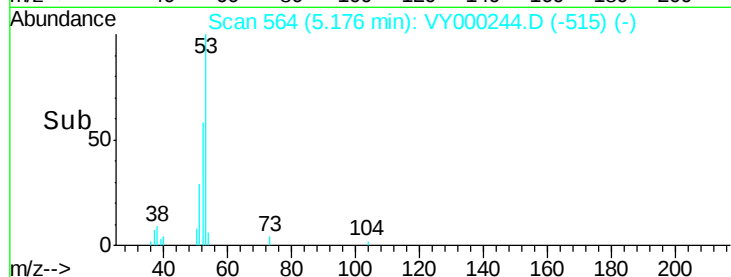
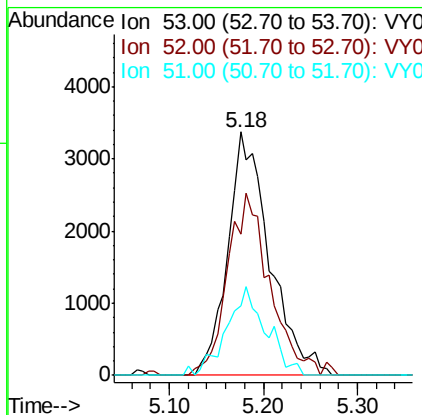
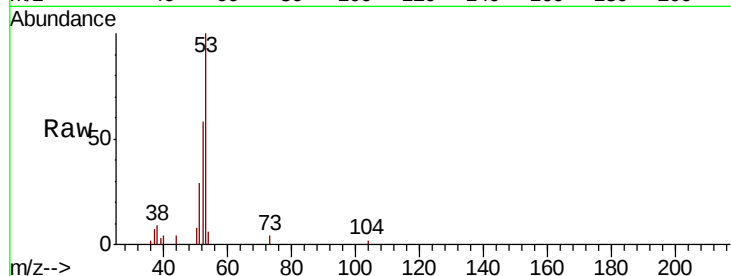
ClientSampleId :

0.5PPBMDL

Tot Ion:	53	Resp:	10434
Ion	Ratio	Lower	Upper
53	100		
52	75.3	65.4	98.2
51	34.3	27.2	40.8

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM



#16

Acetone

Concen: 3.219 ug/l

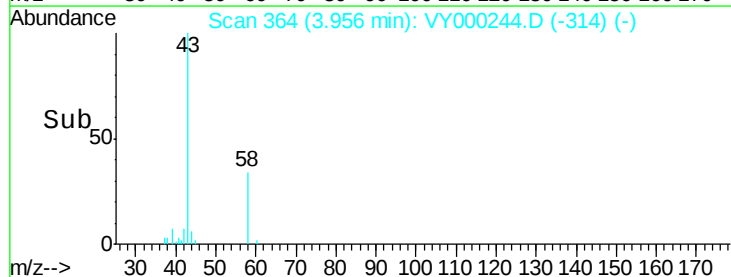
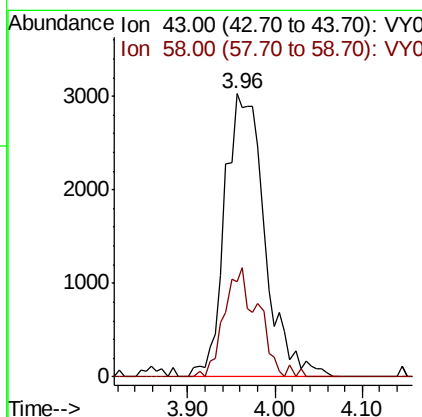
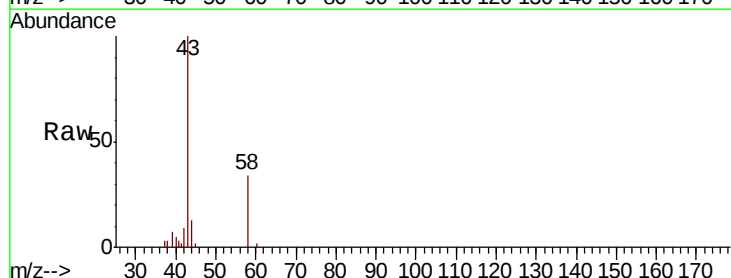
RT: 3.96 min Scan# 364

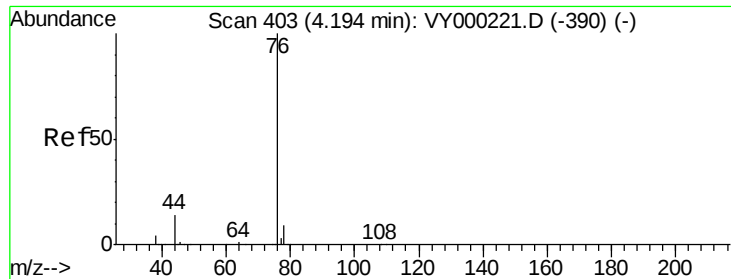
Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Tgt Ion:	43	Resp:	9590
Ion	Ratio	Lower	Upper
43	100		
58	33.7	28.2	42.4





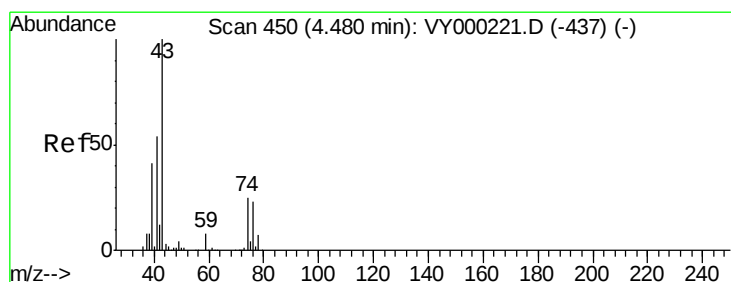
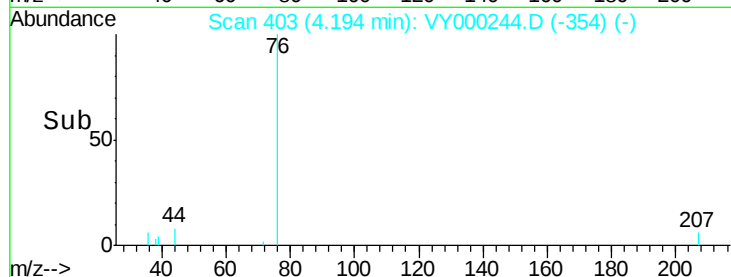
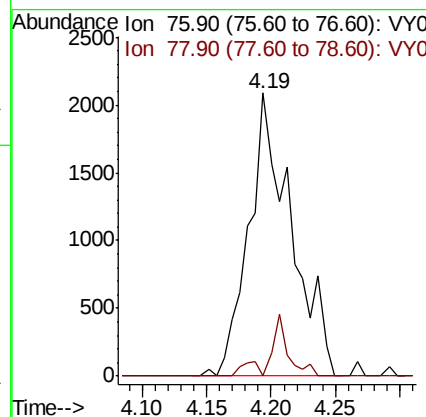
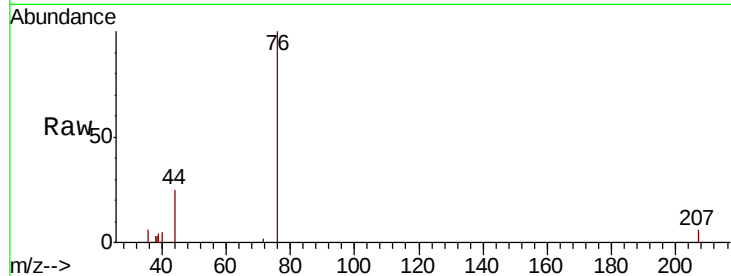
#17
Carbon Disulfide
Concen: 0.500 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 76 Resp: 4743
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

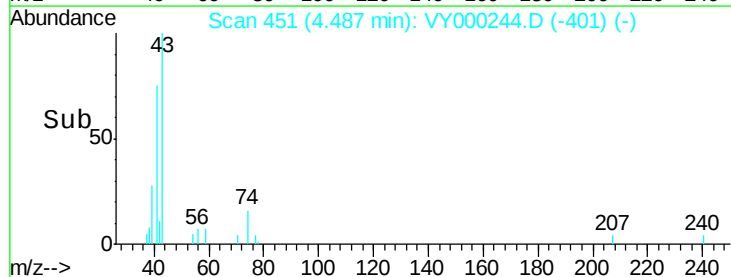
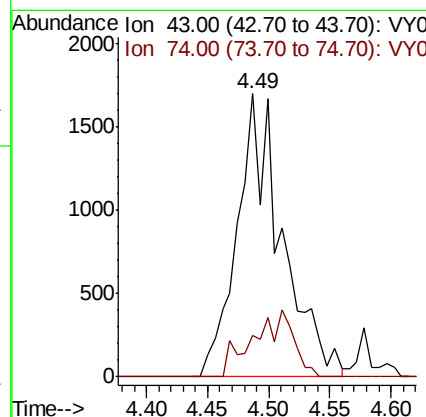
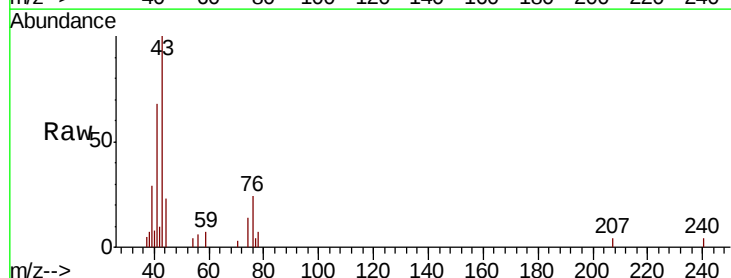
Manual Integrations
APPROVED

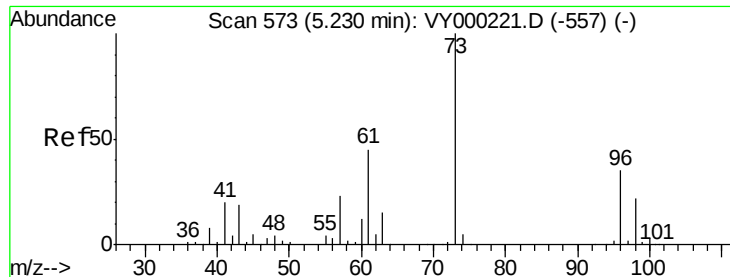
MMDadoda
10/11/2019 8:40:43 AM



#18
Methyl Acetate
Concen: 0.529 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion: 43 Resp: 4316
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#





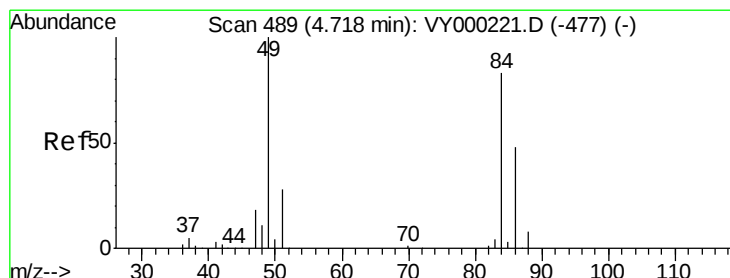
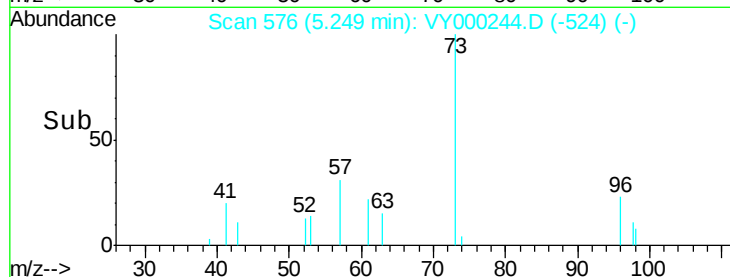
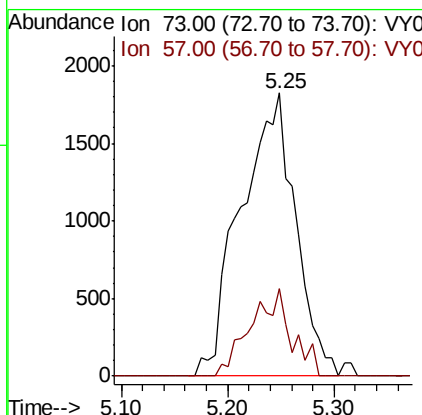
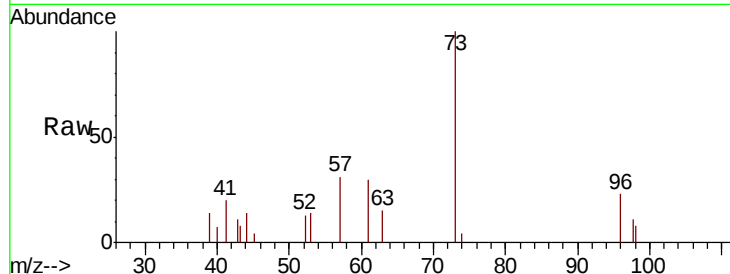
#19
Methvl tert-butvl Ether
Concen: 0.556 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.02 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 73 Resp: 6535
Ion Ratio Lower Upper
73 100
57 30.9 18.4 27.6#

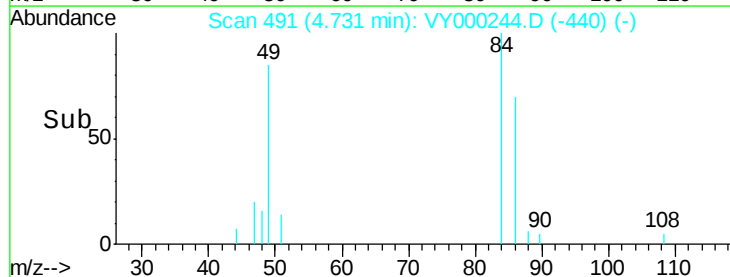
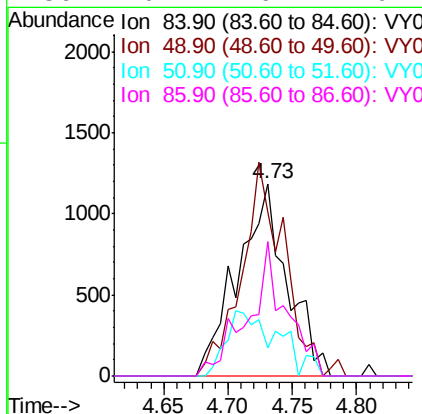
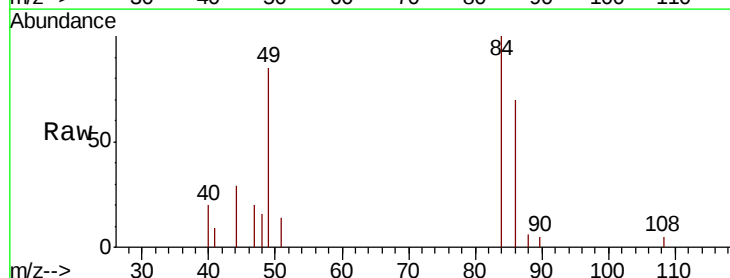
Manual Integrations
APPROVED

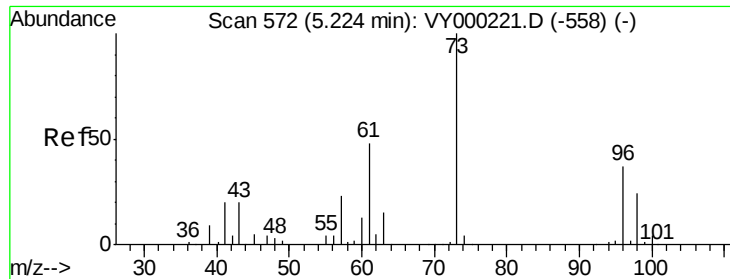
MMDadoda
10/11/2019 8:40:43 AM



#20
Methylene Chloride
Concen: 0.808 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion: 84 Resp: 3162
Ion Ratio Lower Upper
84 100
49 85.3 96.2 144.2#
51 14.4 26.6 39.8#
86 70.1 46.7 70.1#





#21

trans-1,2-Dichloroethene

Concen: 0.476 ug/l m

RT: 5.24 min Scan# 575

Delta R.T. 0.02 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

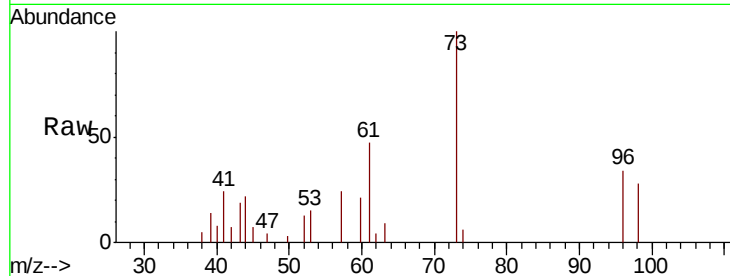
ClientSampleId :

0.5PPBMDL

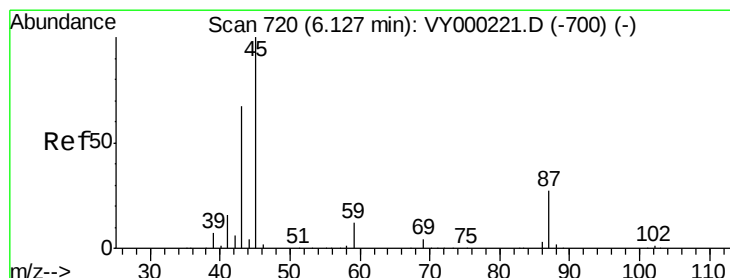
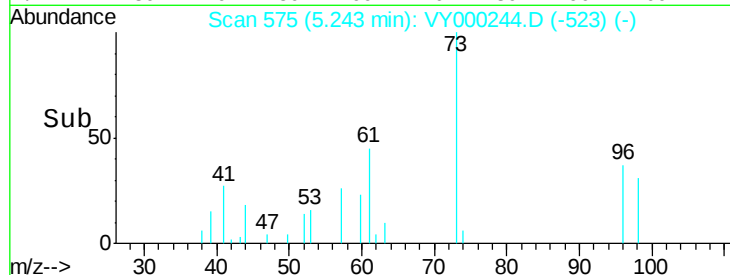
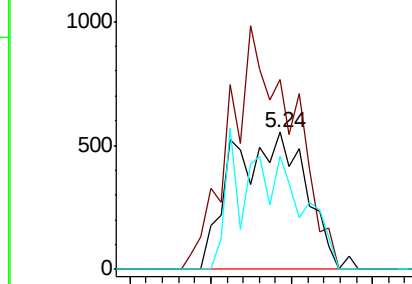
Tot Ion:	96	Resp:	1721
Ion	Ratio	Lower	Upper
96	100		
61	138.9	104.2	156.2
98	83.0	51.0	76.6#

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 0.493 ug/l

RT: 6.12 min Scan# 719

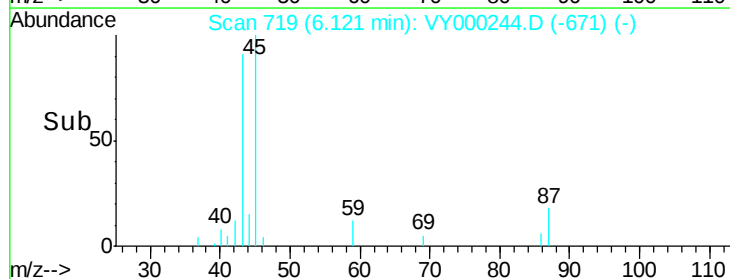
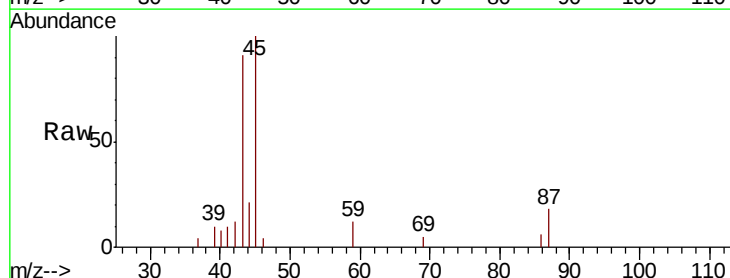
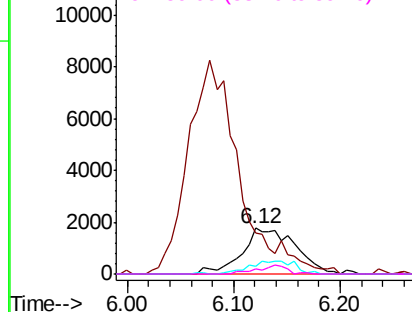
Delta R.T. -0.01 min

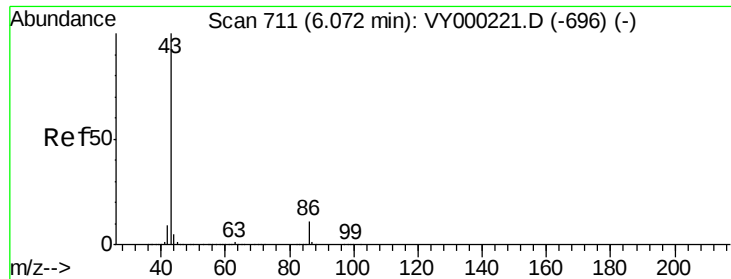
Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Tgt Ion:	45	Resp:	6182
Ion	Ratio	Lower	Upper
45	100		
43	91.0	53.4	80.2#
87	18.3	21.7	32.5#
59	12.5	9.6	14.4

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 2.271 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 25813

Ion Ratio Lower Upper

43 100

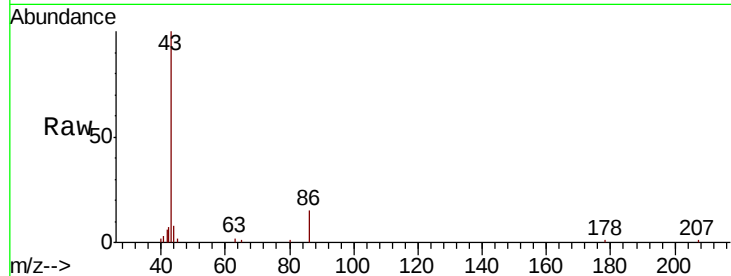
86 15.1 8.5 12.7#

Manual Integrations

APPROVED

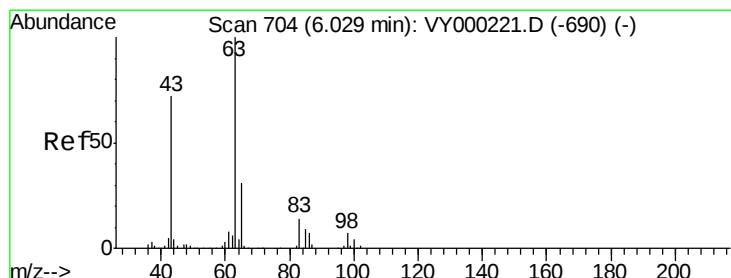
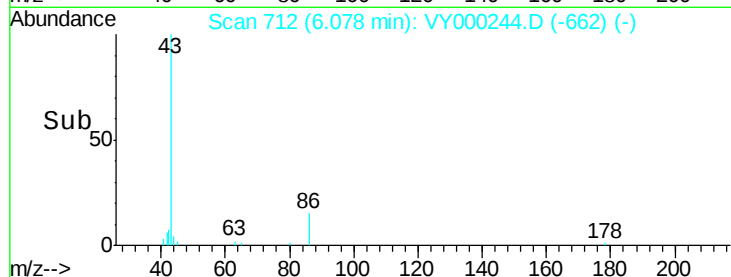
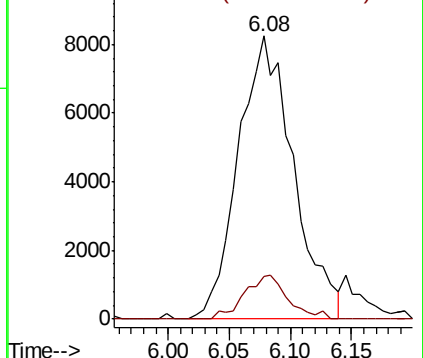
MMDadoda

10/11/2019 8:40:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 0.559 ug/l

RT: 6.04 min Scan# 706

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

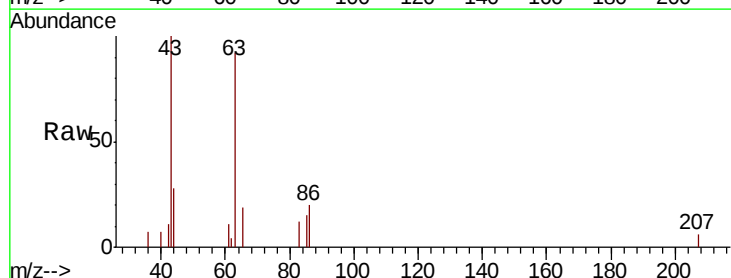
Tgt Ion: 63 Resp: 3580

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.6#

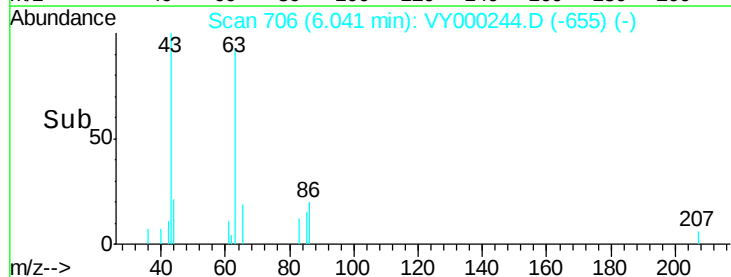
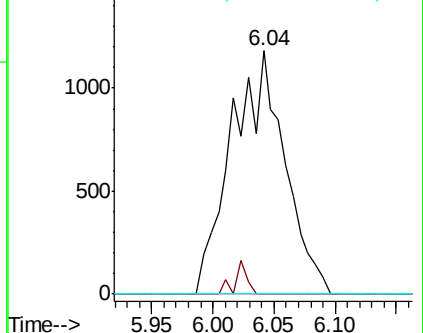
100 0.0 2.1 6.5#

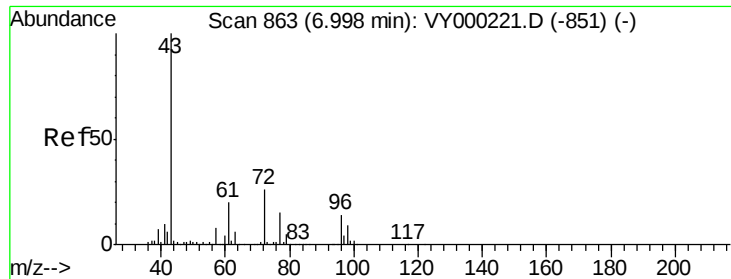


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 2.634 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 14518

Ion Ratio Lower Upper

43 100

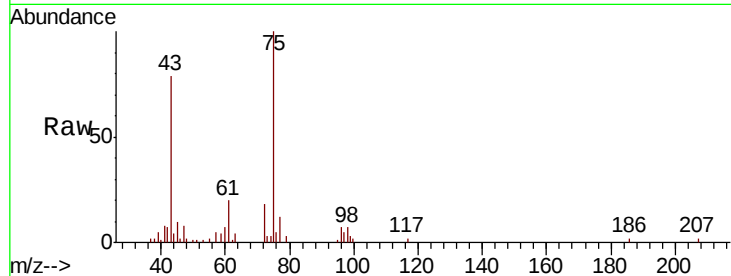
72 23.4 20.6 31.0

Manual Integrations

APPROVED

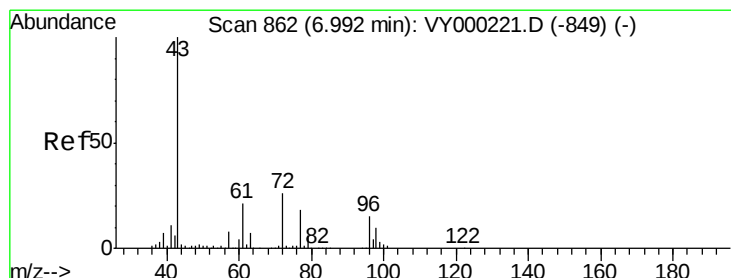
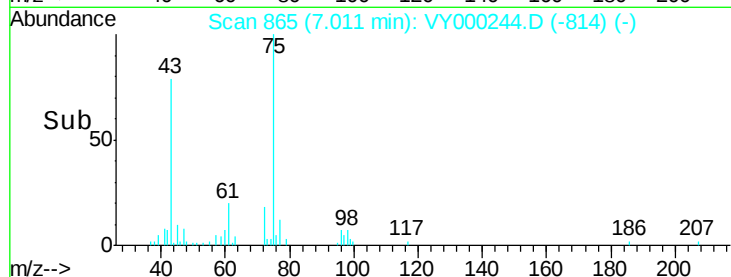
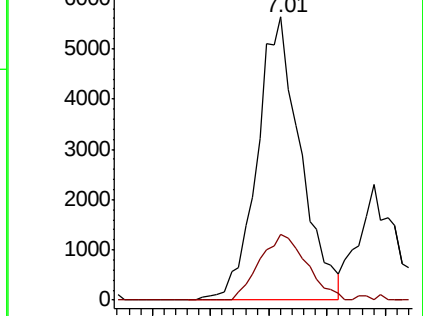
MMDadoda

10/11/2019 8:40:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 0.699 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000244.D

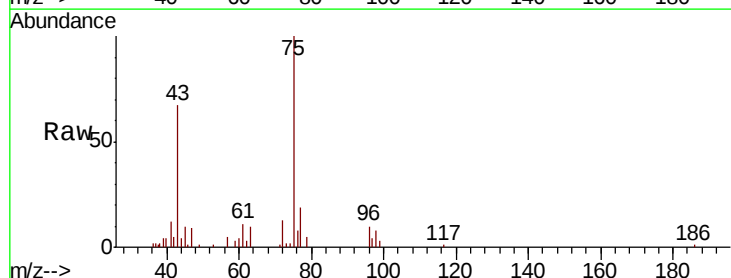
Acq: 09 Oct 2019 15:29

Tgt Ion: 77 Resp: 4040

Ion Ratio Lower Upper

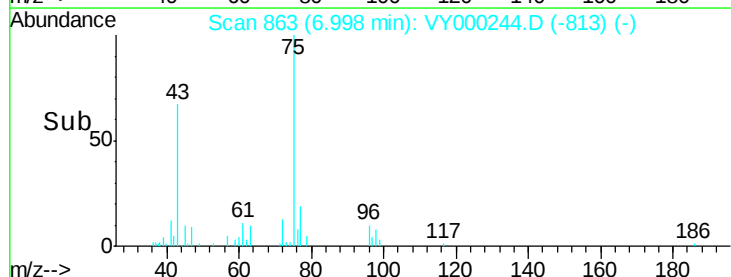
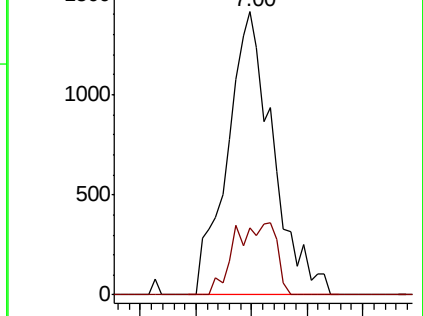
77 100

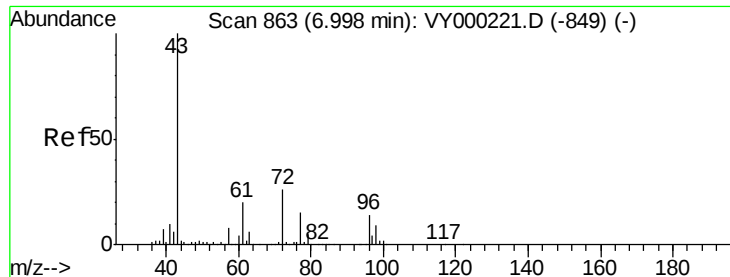
97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

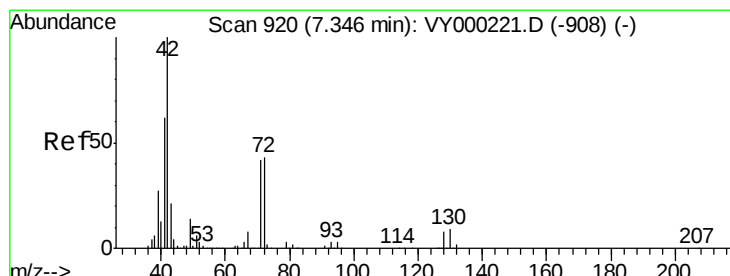
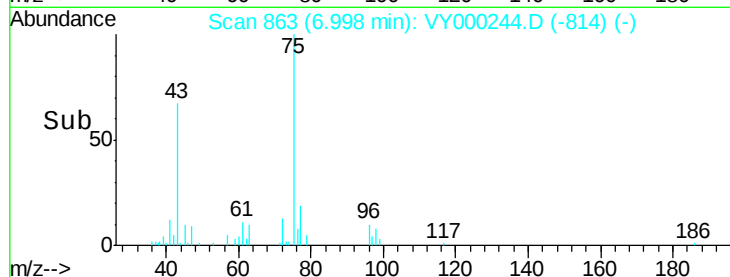
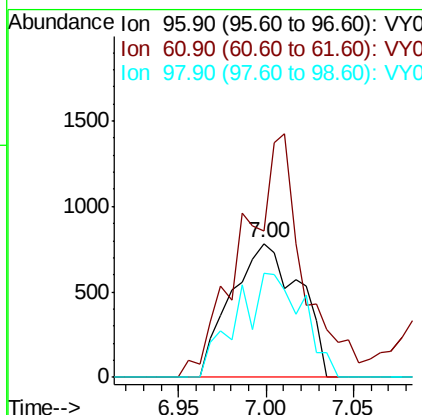
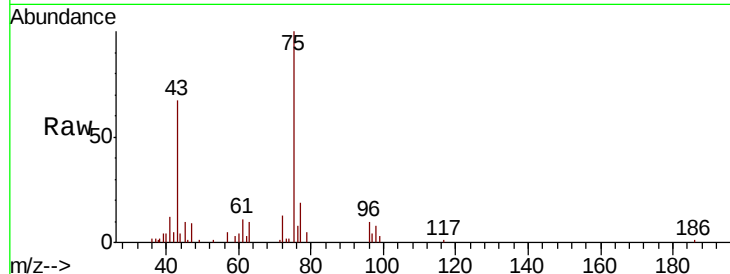
cis-1,2-Dichloroethene
Concen: 0.499 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
96	100	2126		
61	163.8		0.0	282.6
98	75.3		0.0	129.8

Manual Integrations
APPROVED

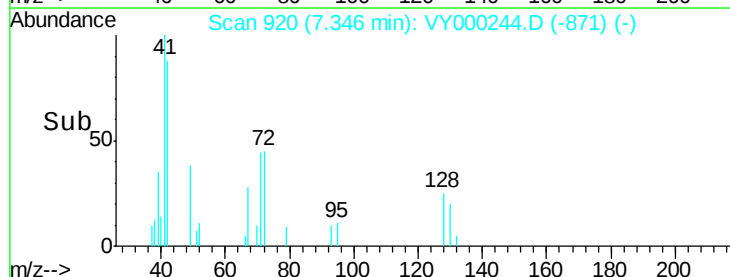
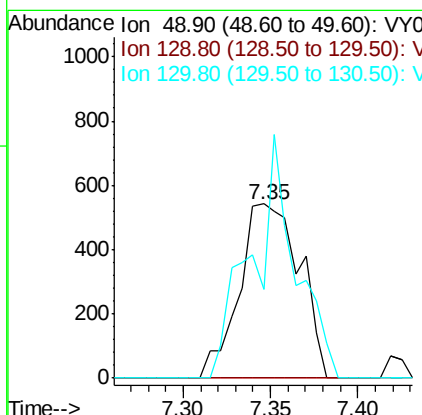
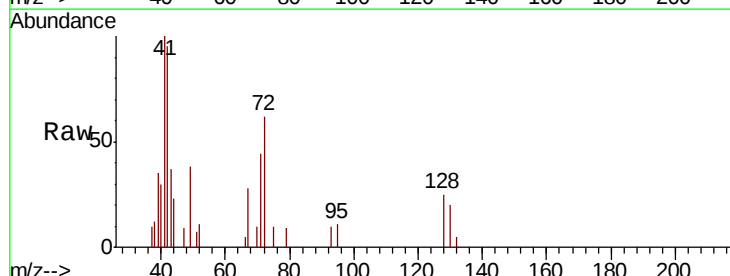
MMDadoda
10/11/2019 8:40:43 AM

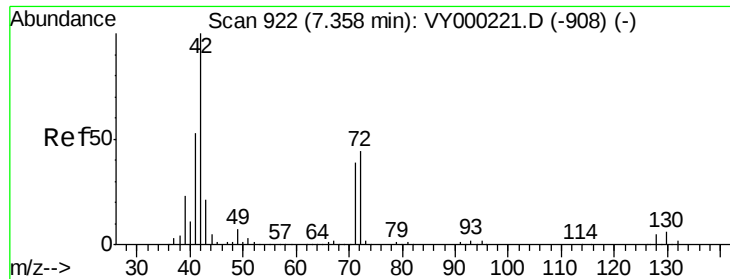


#28

Bromochloromethane
Concen: 0.622 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	1311		
129	0.0		0.0	3.2
130	101.5		56.5	84.7#





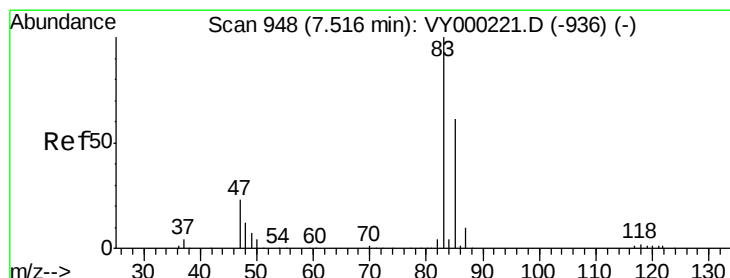
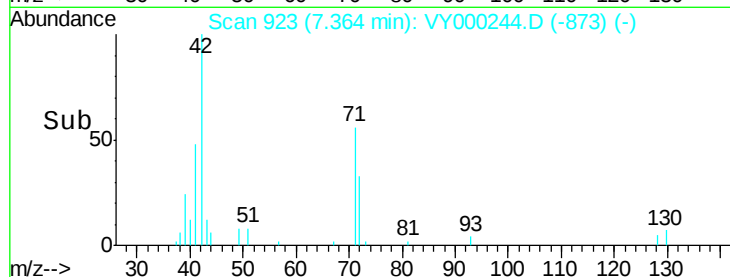
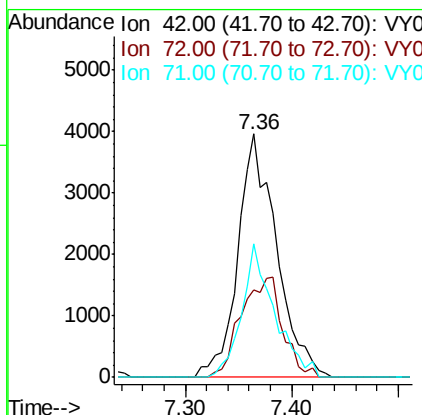
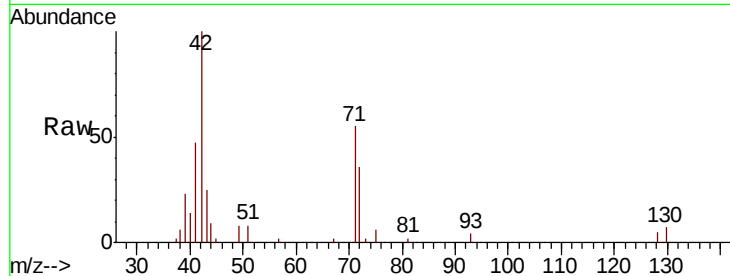
#29
Tetrahydrofuran
Concen: 2.591 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion:	42	Resp:	10083
Ion Ratio		Lower	Upper
42	100		
72	44.3	34.6	51.8
71	46.7	31.9	47.9

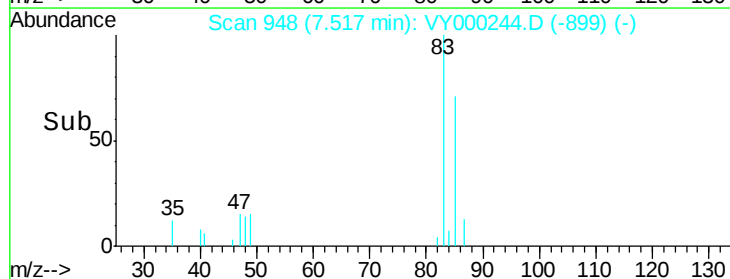
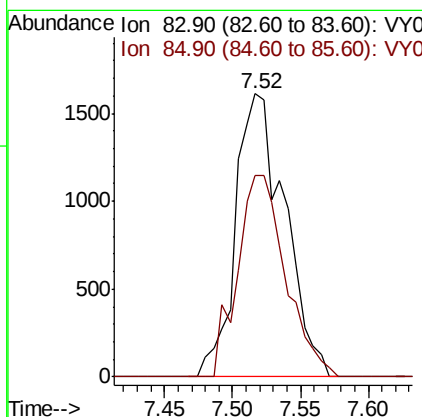
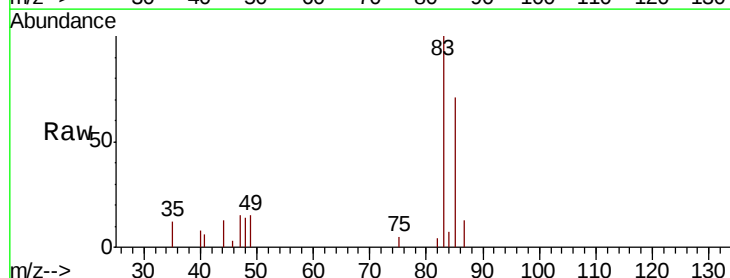
Manual Integrations
APPROVED

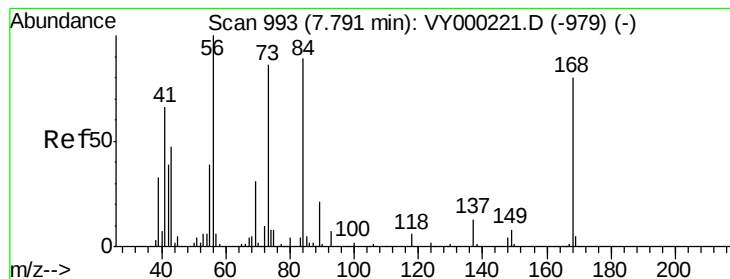
MMDadoda
10/11/2019 8:40:43 AM



#30
Chloroform
Concen: 0.612 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion:	83	Resp:	4064
Ion Ratio		Lower	Upper
83	100		
85	71.3	48.9	73.3





#31

Cvclohexane

Concen: 1.370 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 56 Resp: 8857

Ion Ratio Lower Upper

56 100

69 107.5 24.7 37.1#

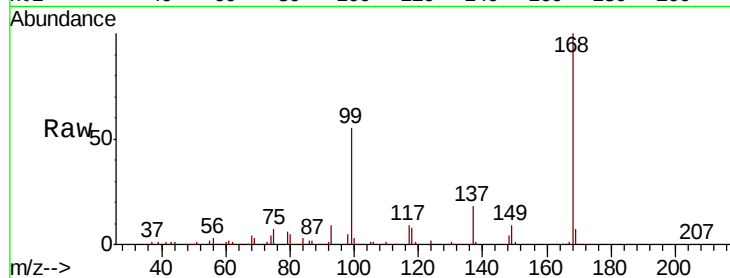
84 102.1 71.3 106.9

Manual Integrations

APPROVED

MMDadoda

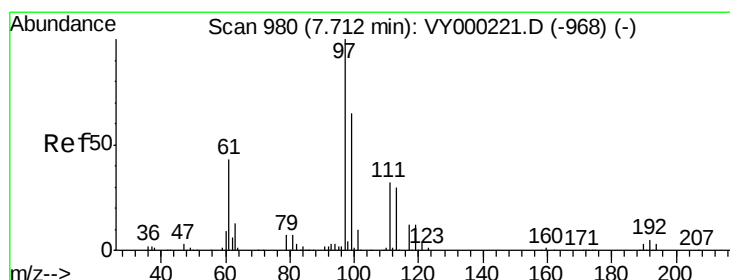
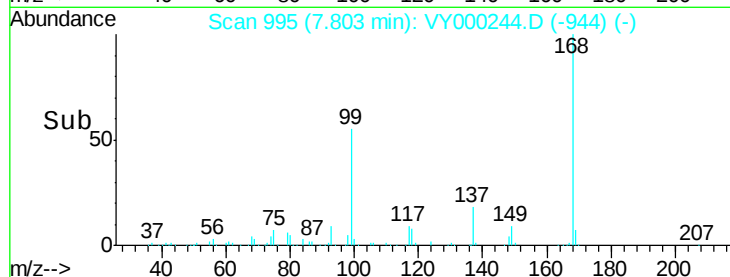
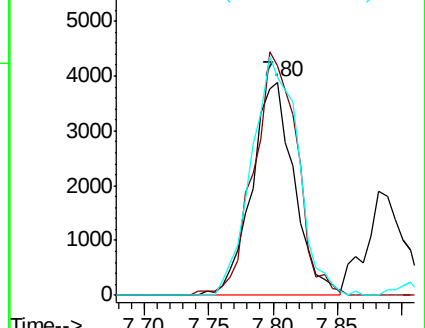
10/11/2019 8:40:43 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 0.556 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

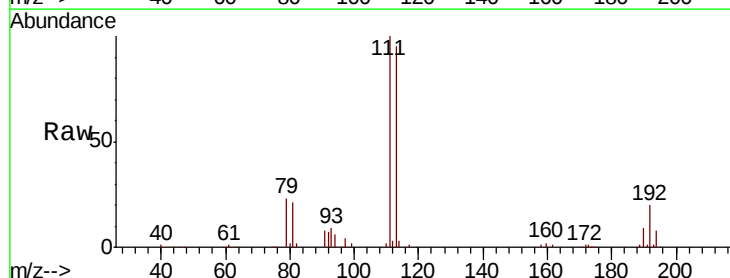
Tgt Ion: 97 Resp: 3142

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.2#

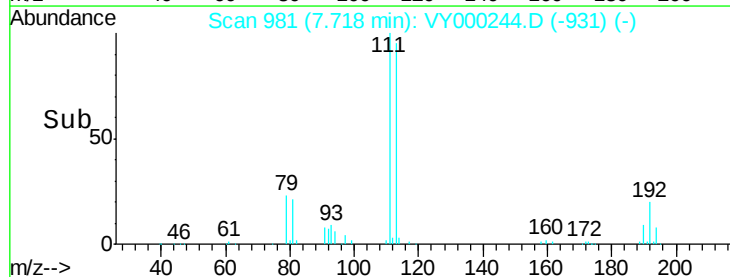
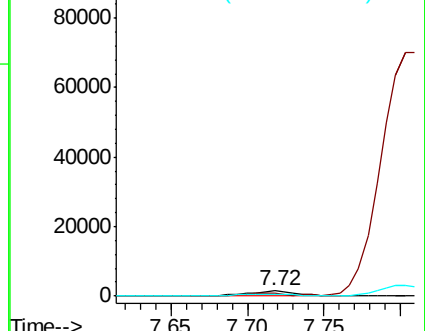
61 38.4 34.2 51.4

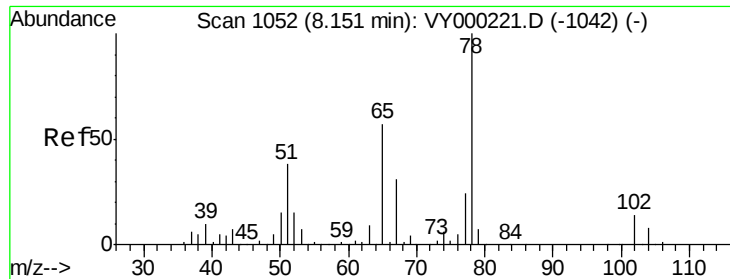


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 51.955 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 65 Resp: 195419

Ion Ratio Lower Upper

65 100

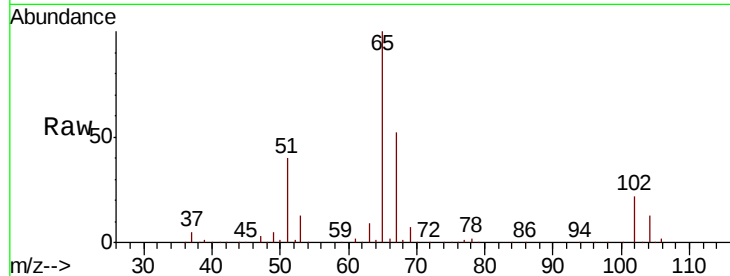
67 52.4 0.0 109.0

Manual Integrations

APPROVED

MMDadoda

10/11/2019 8:40:43 AM



Abundance Ion 64.90 (64.60 to 65.60): VY000221.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY000221.D (-1042) (-)

8.16

100000

80000

60000

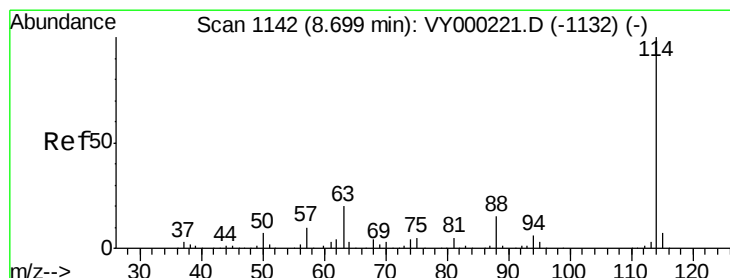
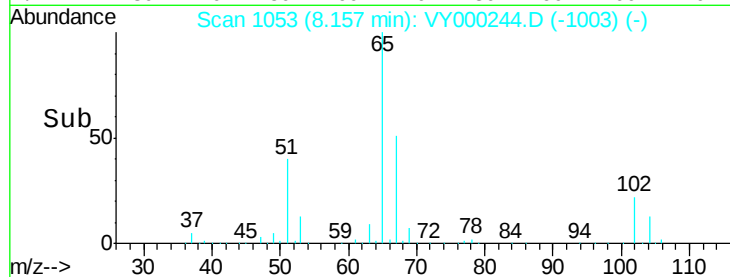
40000

20000

0

8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

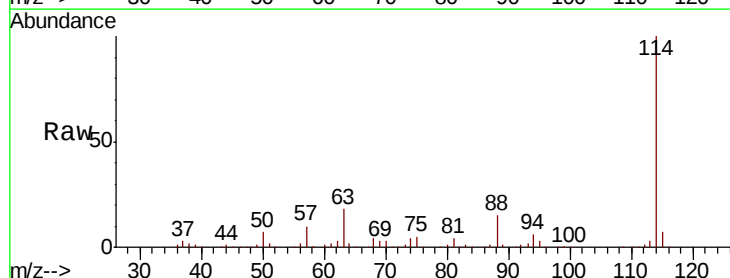
Tgt Ion: 114 Resp: 490800

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.0

88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VY000221.D (-1132) (-)

Ion 63.00 (62.70 to 63.70): VY000221.D (-1132) (-)

Ion 87.90 (87.60 to 88.60): VY000221.D (-1132) (-)

8.70

300000

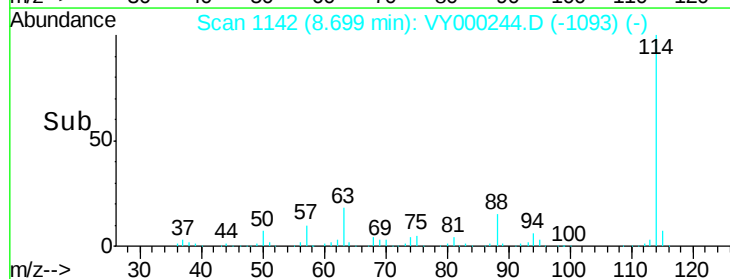
200000

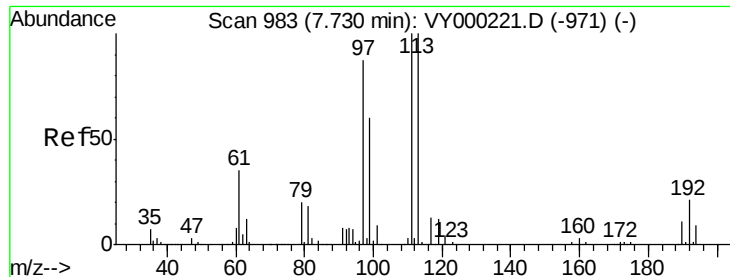
100000

0

8.60 8.70 8.80

Time-->





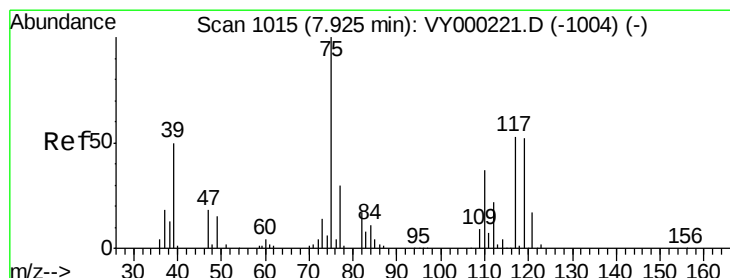
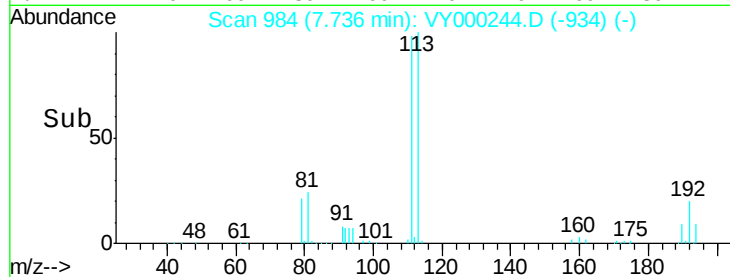
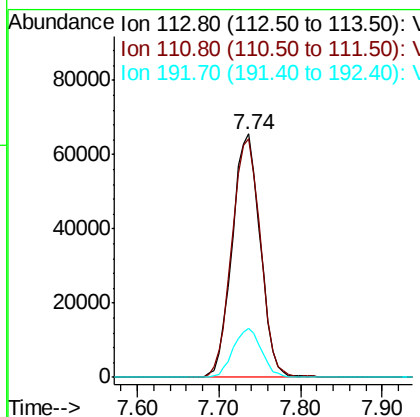
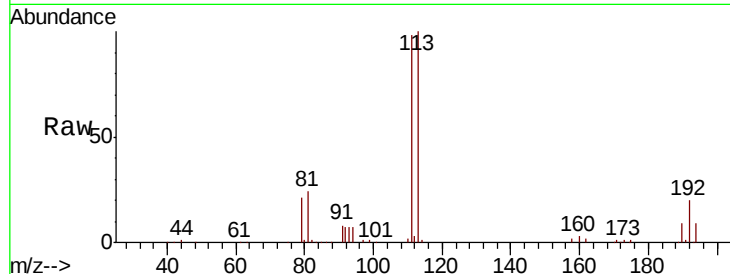
#35
Dibromofluoromethane
Concen: 50.639 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	154857		
111	100.3	82.6	124.0	
192	20.3	15.8	23.8	

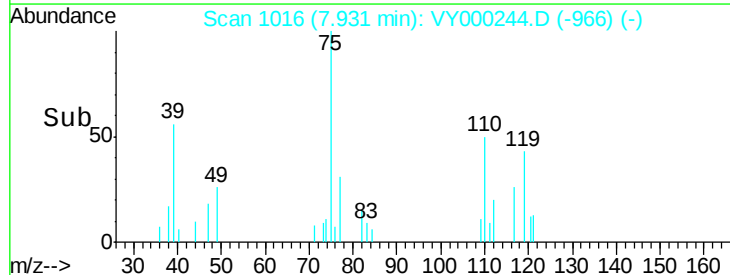
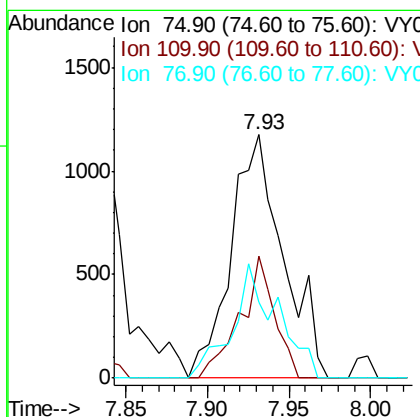
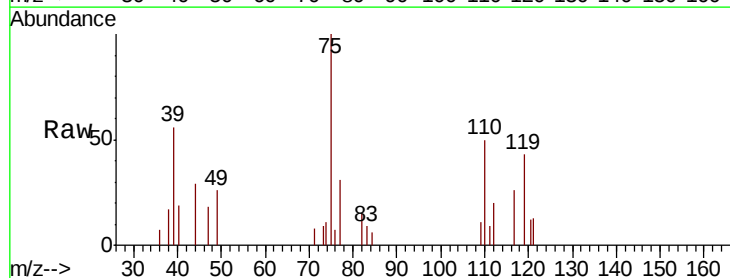
Manual Integrations
APPROVED

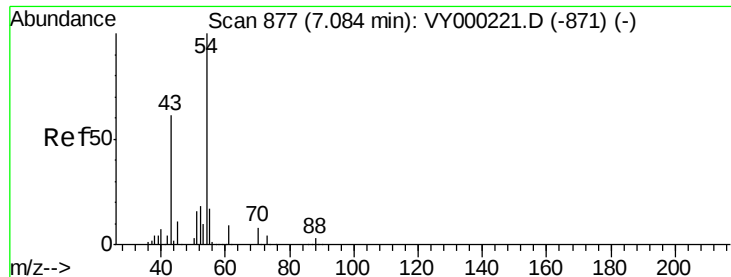
MMDadoda
10/11/2019 8:40:43 AM



#36
1,1-Dichloropropene
Concen: 0.525 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2620		
110	33.1	18.4	55.2	
77	40.2	24.7	37.1#	





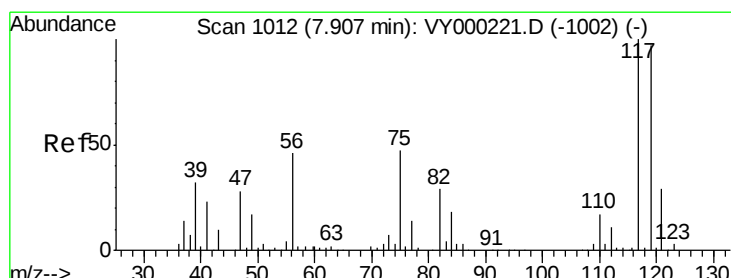
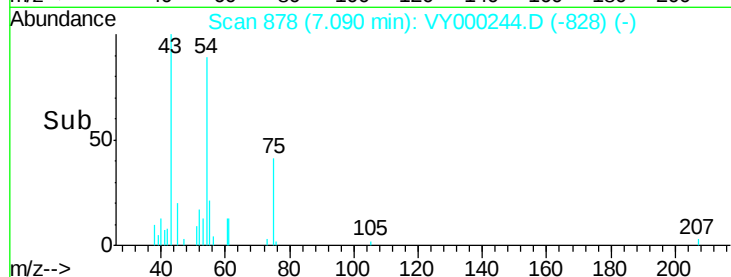
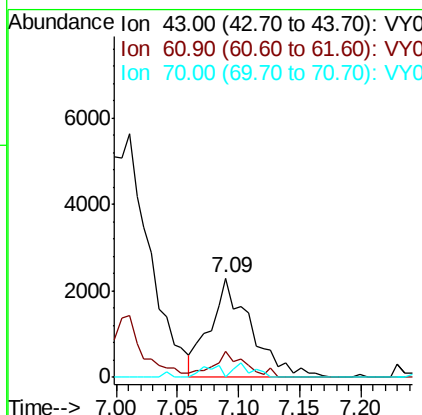
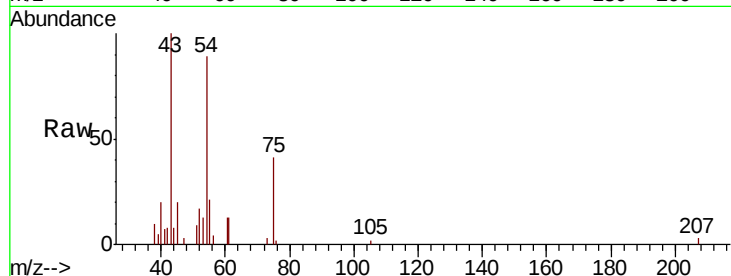
#37
Ethyl Acetate
Concen: 0.594 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	11.1	16.7#
70	5.3	8.5	12.7#

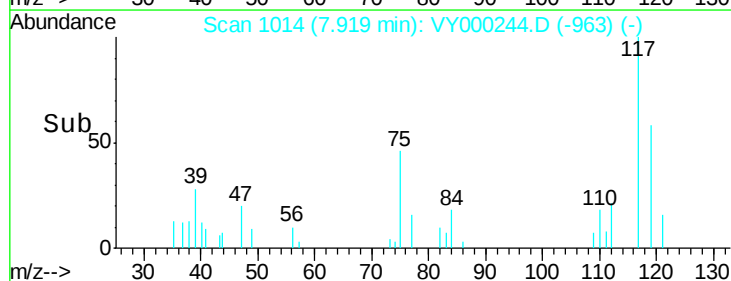
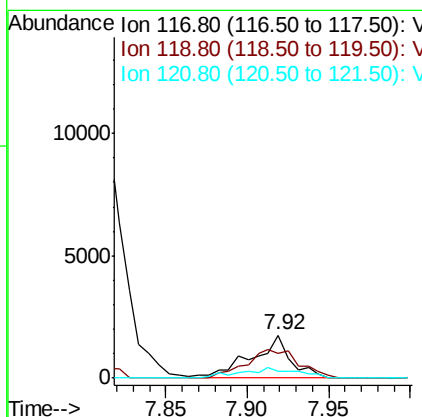
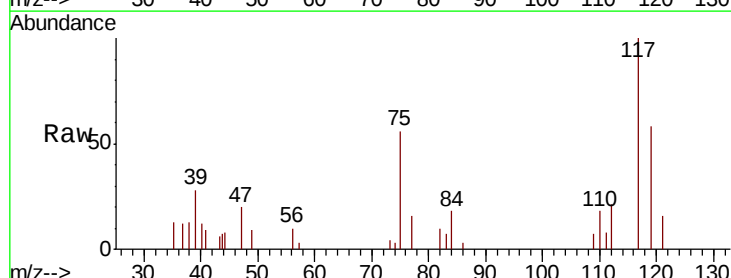
Manual Integrations
APPROVED

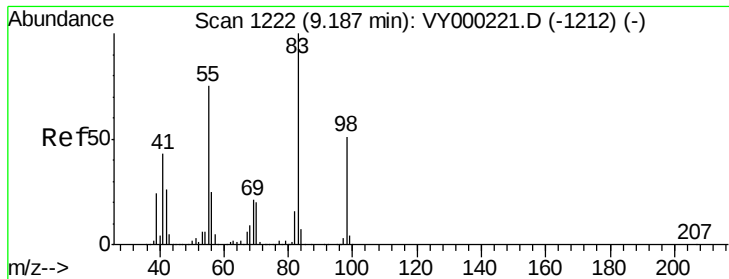
MMDadoda
10/11/2019 8:40:43 AM



#38
Carbon Tetrachloride
Concen: 0.597 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	58.2	77.2	115.8#
121	15.6	23.1	34.7#





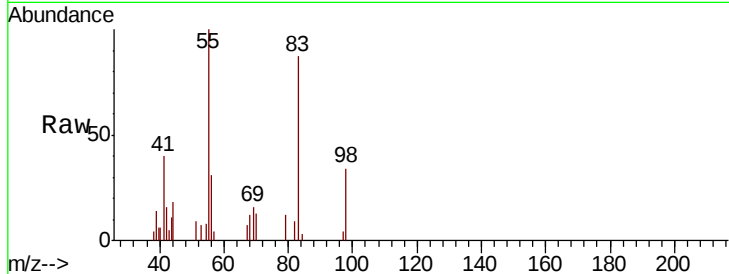
#39
Methvlcvclohexane
Concen: 0.464 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

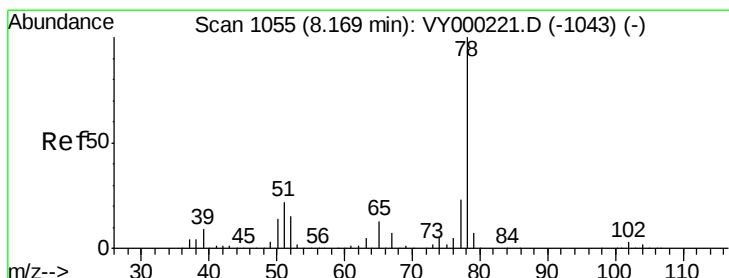
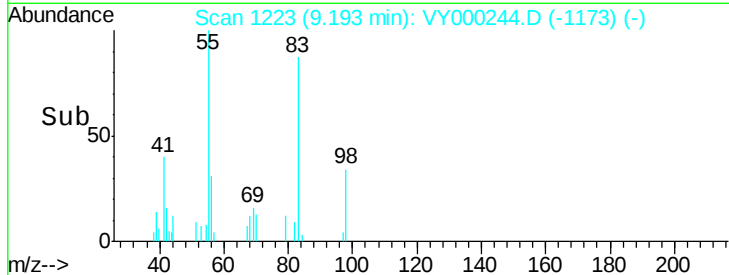
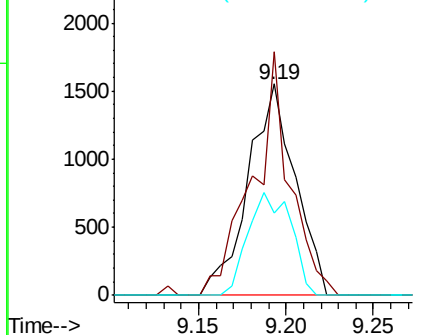
Tot Ion	Ratio	Lower	Upper
83	100		
55	115.1	60.2	90.4#
98	39.1	40.5	60.7#

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM

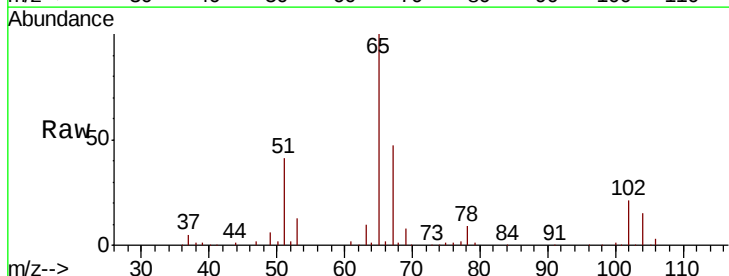


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

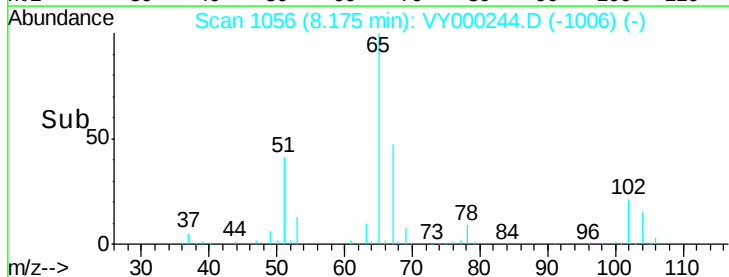
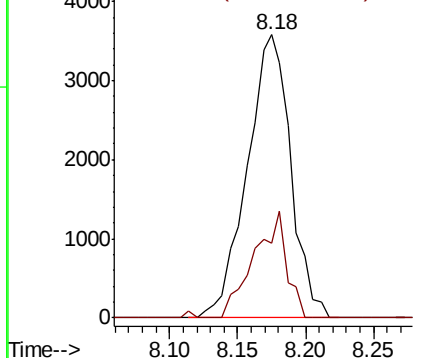


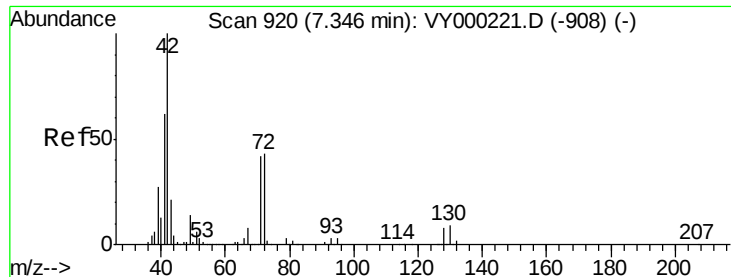
#40
Benzene
Concen: 0.529 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.6	18.6	28.0



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





#41

Methacrylonitrile

Concen: 0.730 ug/l m

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 41 Resp: 5186

Ion Ratio Lower Upper

41 100

39 44.4 74.7 112.1#

67 0.0 0.0 0.0

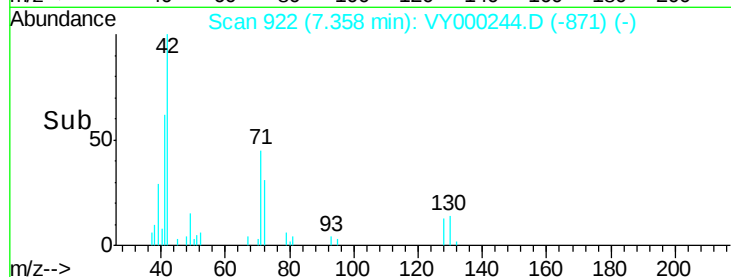
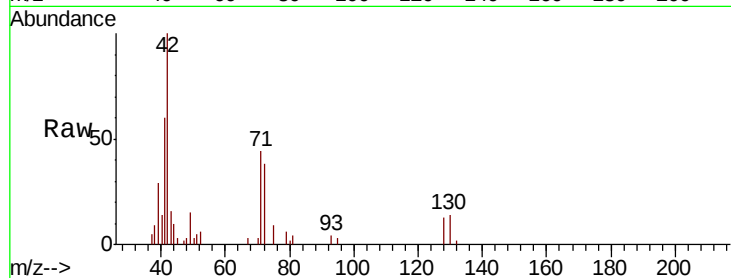
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

10/11/2019 8:40:43 AM

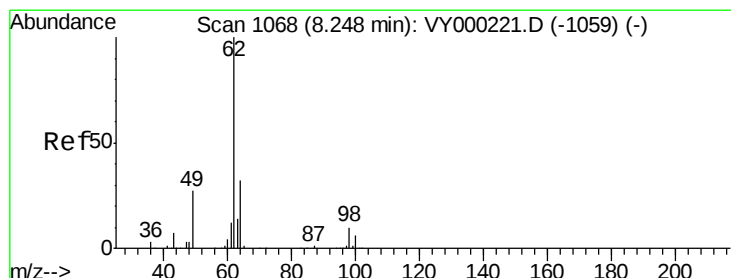
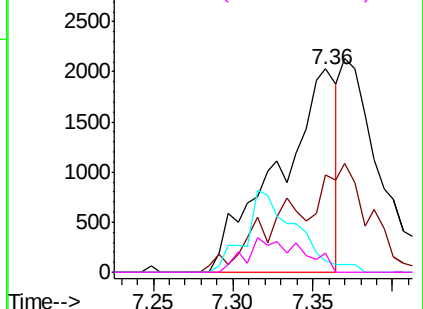


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 0.743 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VY000244.D

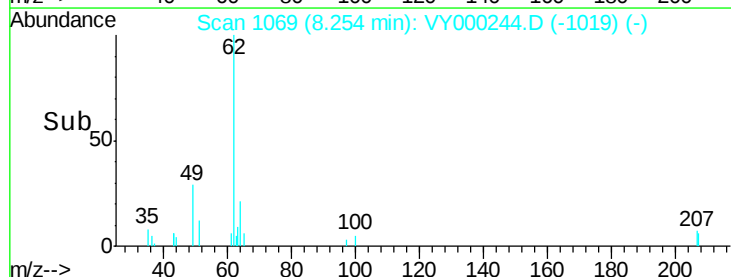
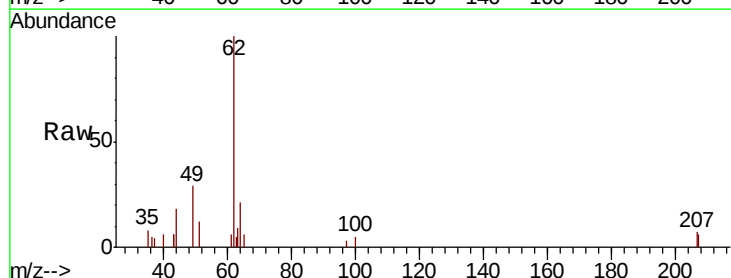
Acq: 09 Oct 2019 15:29

Tgt Ion: 62 Resp: 3655

Ion Ratio Lower Upper

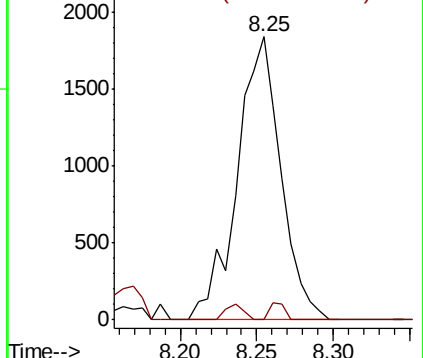
62 100

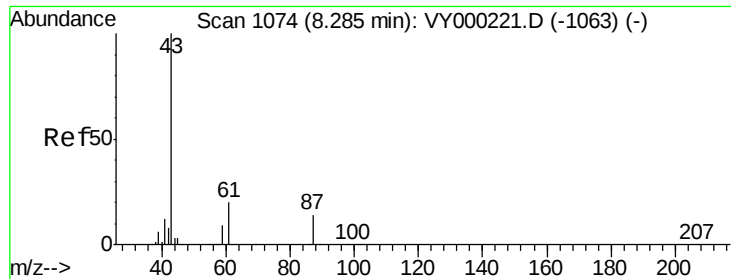
98 2.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





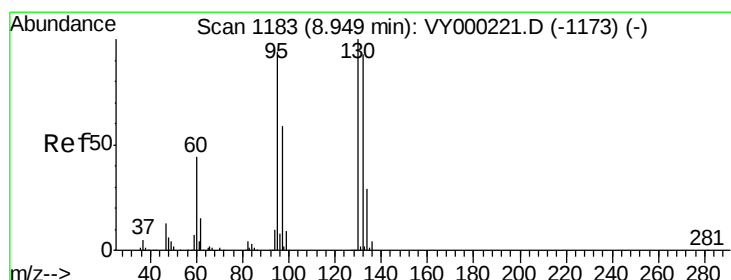
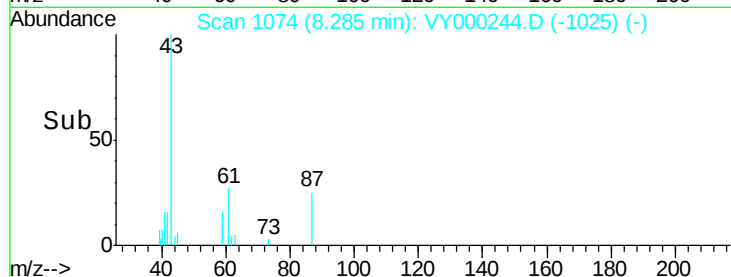
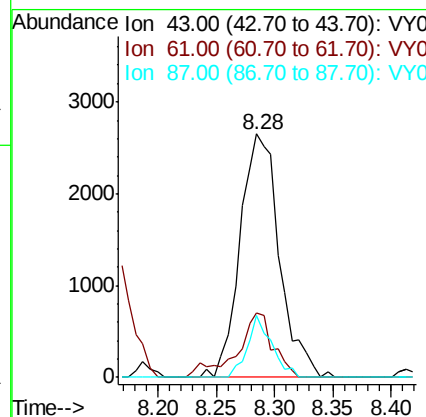
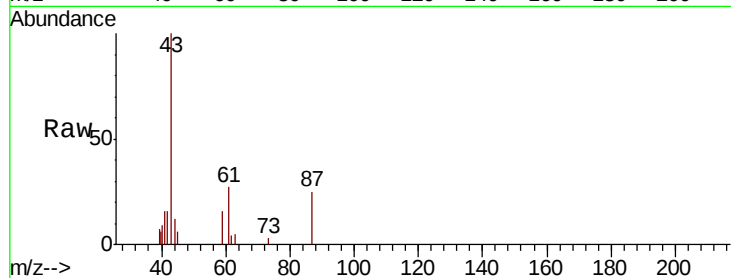
#43
Isopropyl Acetate
Concen: 0.536 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion:	43	Resp:	6225
Ion	Ratio	Lower	Upper
43	100		
61	24.3	20.1	30.1
87	15.7	10.6	15.8

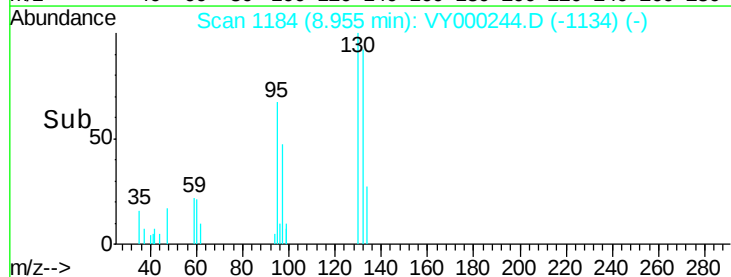
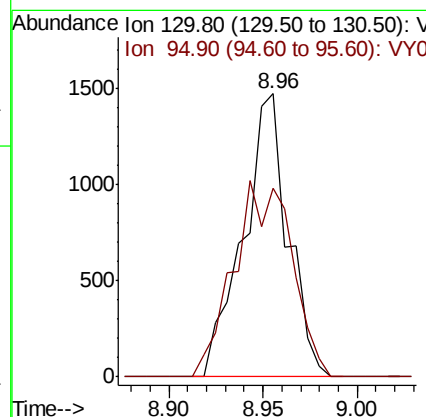
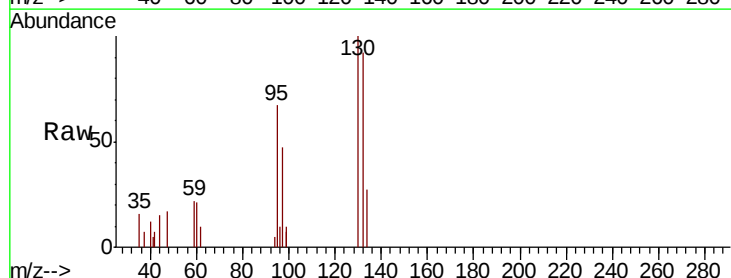
Manual Integrations
APPROVED

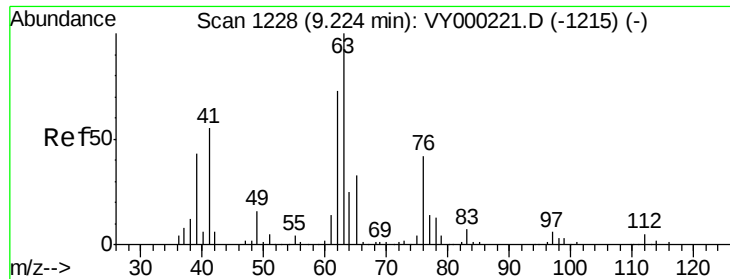
MMDadoda
10/11/2019 8:40:43 AM



#44
Trichloroethene
Concen: 0.587 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion:	130	Resp:	2411
Ion	Ratio	Lower	Upper
130	100		
95	66.6	0.0	189.0





#45

1,2-Dichloropropane

Concen: 0.495 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 63 Resp: 1879

Ion Ratio Lower Upper

63 100

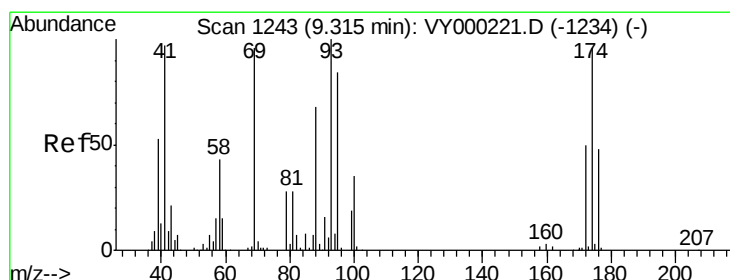
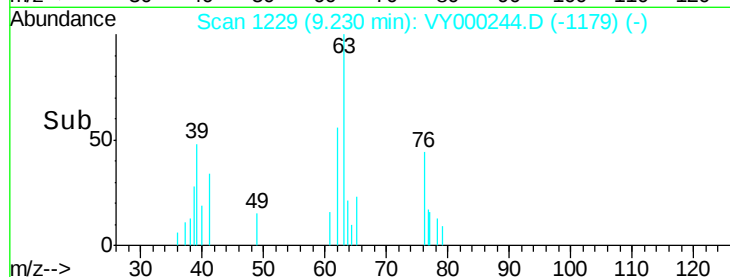
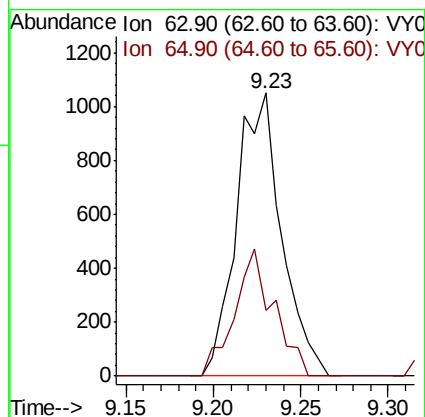
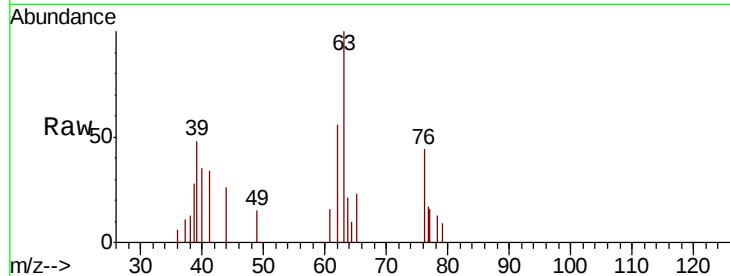
65 23.3 26.6 39.8#

Manual Integrations

APPROVED

MMDadoda

10/11/2019 8:40:43 AM



#46

Dibromomethane

Concen: 0.574 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

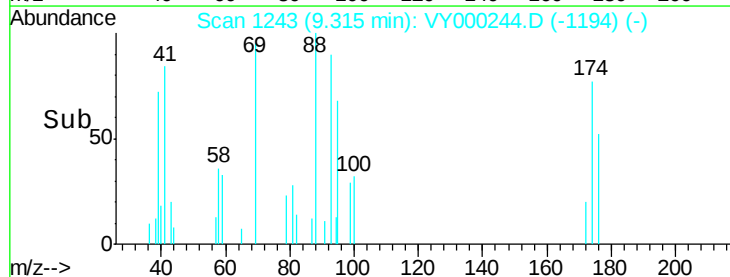
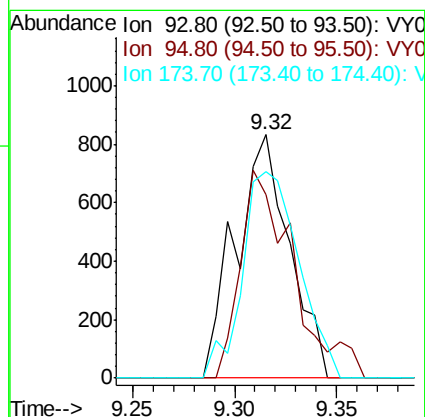
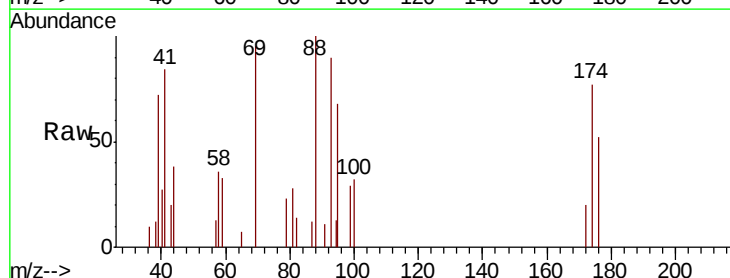
Tgt Ion: 93 Resp: 1528

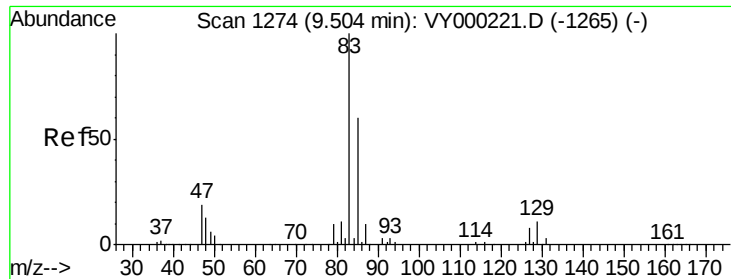
Ion Ratio Lower Upper

93 100

95 83.6 67.0 100.6

174 89.1 77.5 116.3





#47

Bromodichloromethane

Concen: 0.532 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

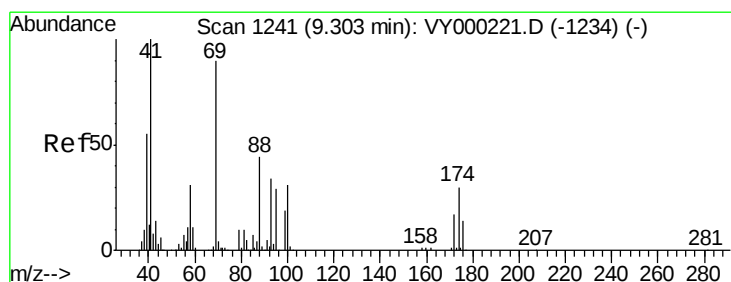
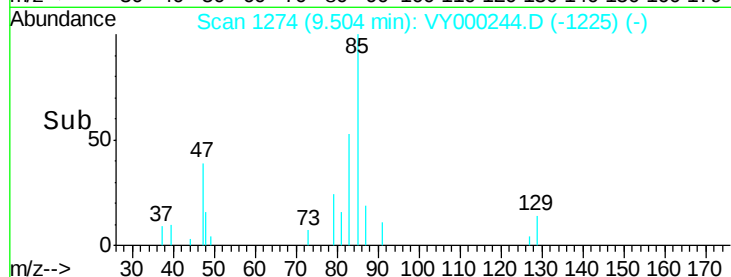
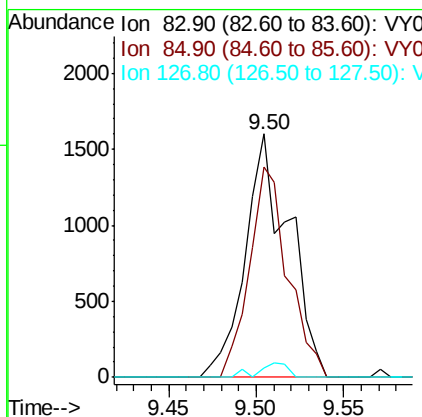
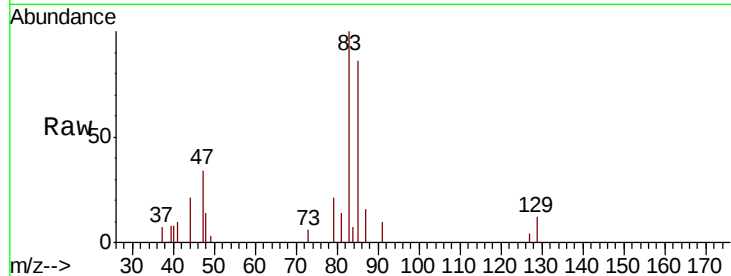
ClientSampleId :

0.5PPBMDL

Tot Ion:	83	Resp:	2766
Ion	Ratio	Lower	Upper
83	100		
85	86.5	48.0	72.0#
127	3.6	6.5	9.7#

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM



#48

Methyl methacrylate

Concen: 0.537 ug/l

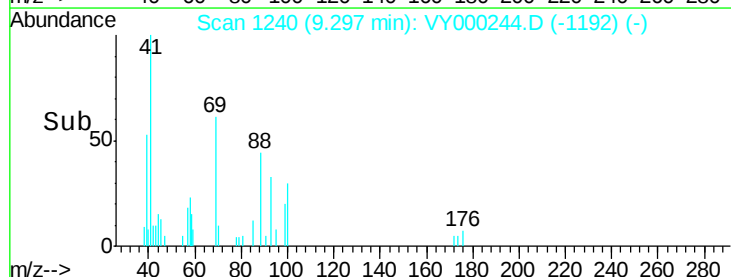
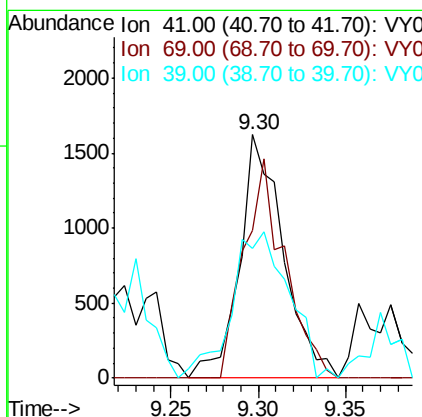
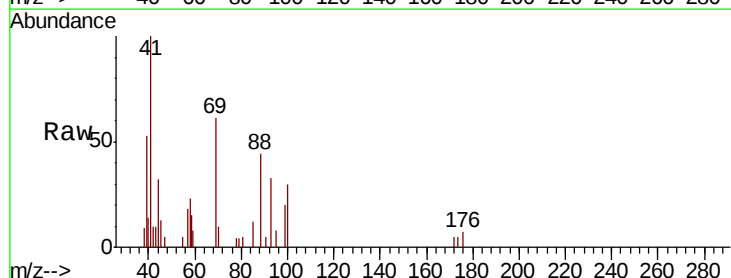
RT: 9.30 min Scan# 1240

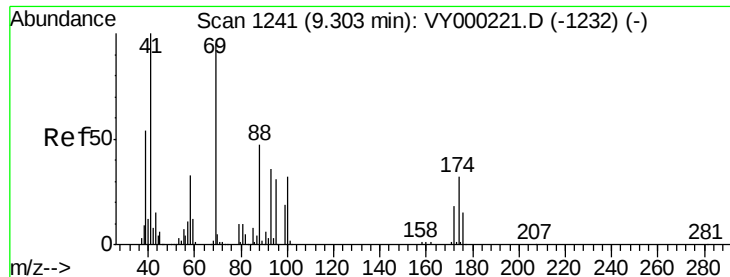
Delta R.T. -0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Tgt Ion:	41	Resp:	2817
Ion	Ratio	Lower	Upper
41	100		
69	84.2	70.3	105.5
39	78.9	45.5	68.3#





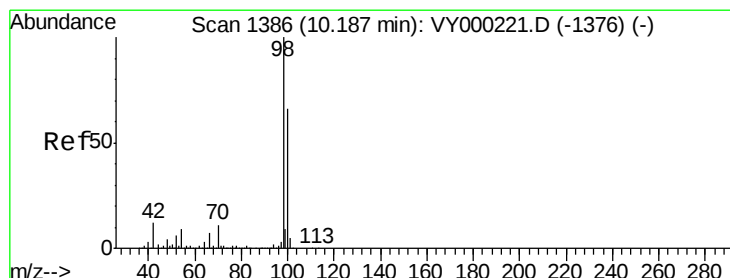
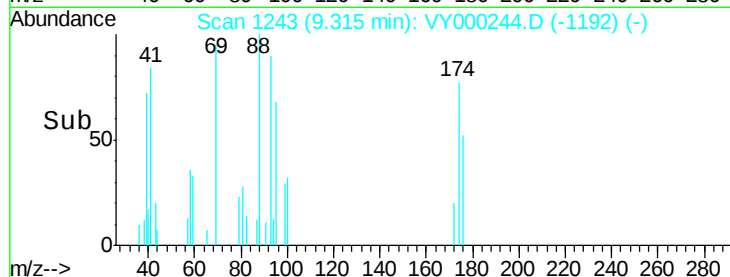
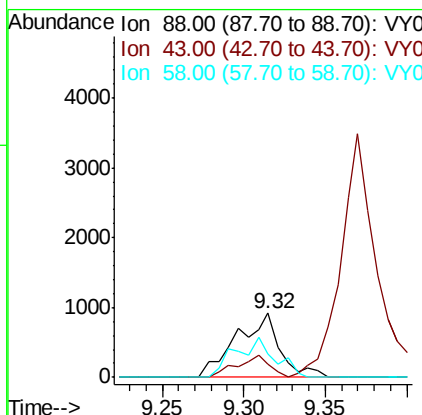
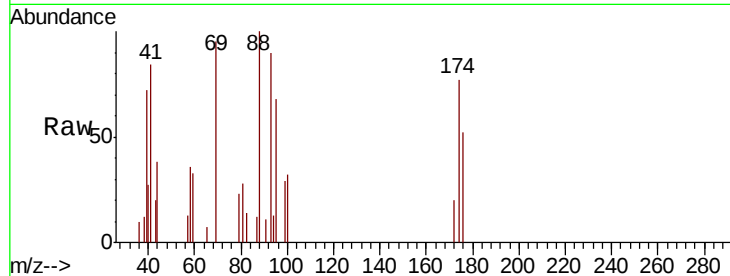
#49
1,4-Dioxane
Concen: 12.775 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	88	Resp	1720
Ion	Ratio	Lower	Upper
88	100		
43	26.0	24.5	36.7
58	56.7	54.2	81.2

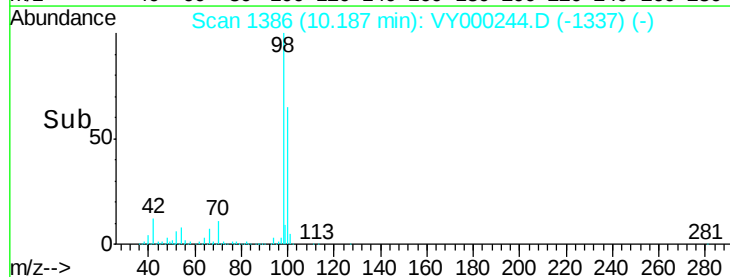
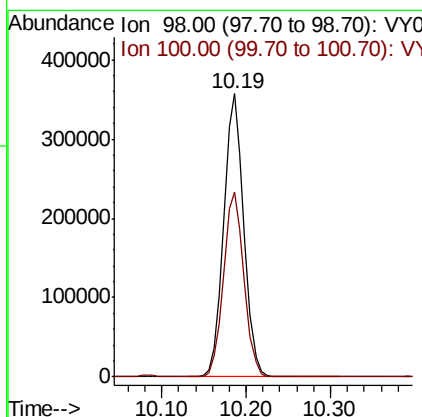
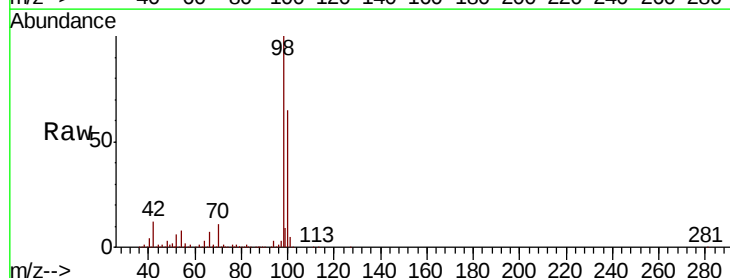
Manual Integrations
APPROVED

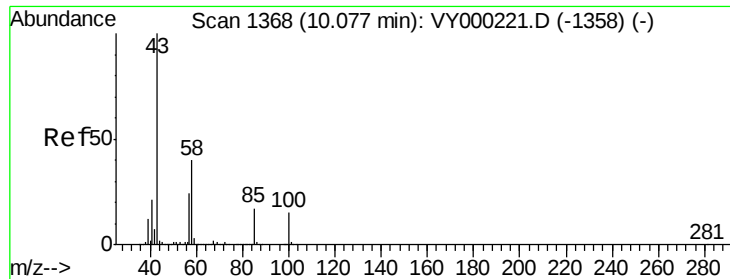
MMDadoda
10/11/2019 8:40:43 AM



#50
Toluene-d8
Concen: 48.686 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	98	Resp	584843
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 2.577 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampled :

0.5PPBMDL

Tot Ion: 43 Resp: 22505

Ion Ratio Lower Upper

43 100

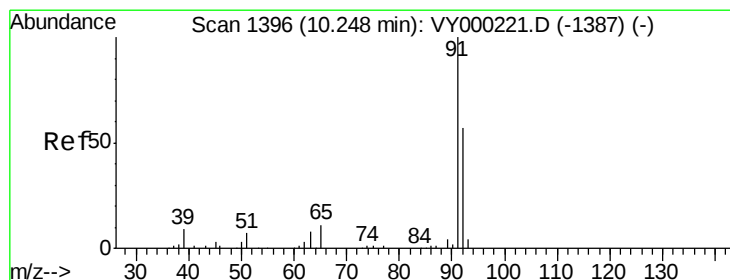
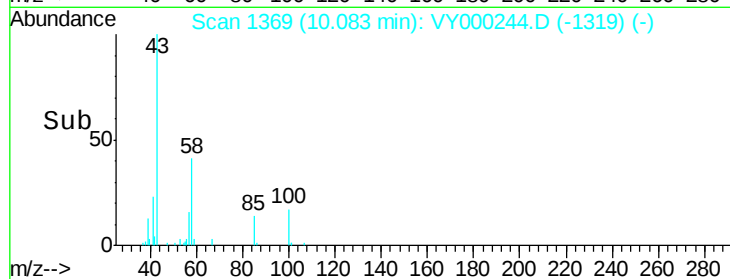
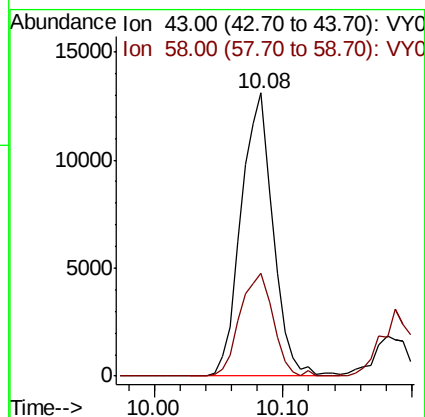
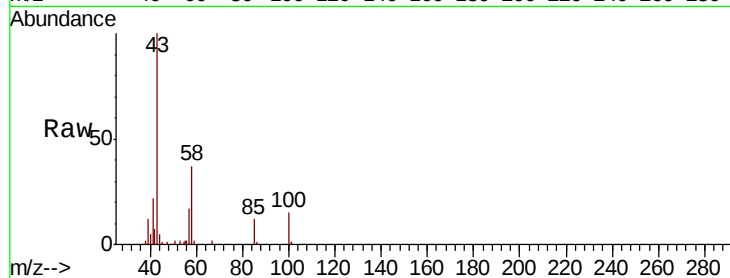
58 37.7 31.7 47.5

Manual Integrations

APPROVED

MMDadoda

10/11/2019 8:40:43 AM



#52

Toluene

Concen: 0.504 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000244.D

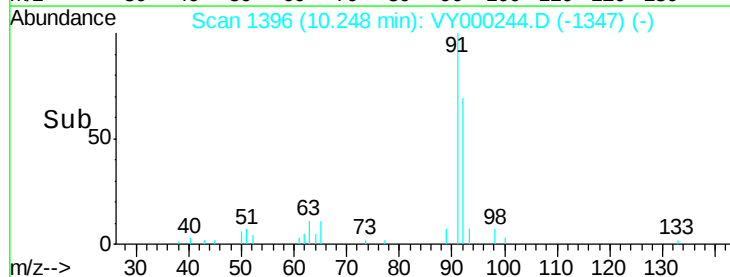
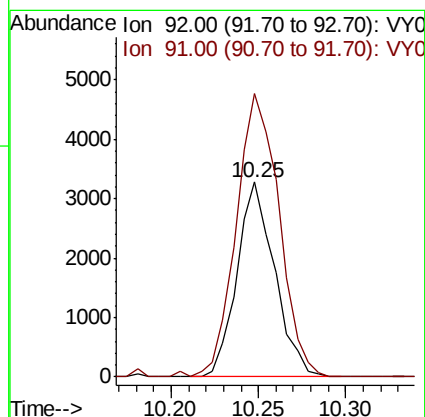
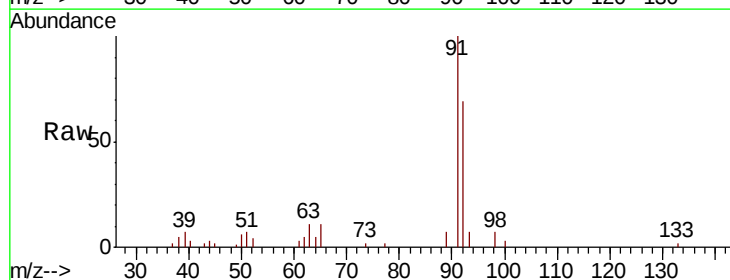
Acq: 09 Oct 2019 15:29

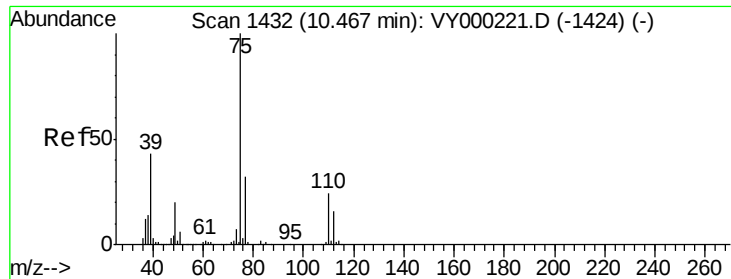
Tgt Ion: 92 Resp: 4898

Ion Ratio Lower Upper

92 100

91 165.7 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 0.470 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 75 Resp: 2772

Ion Ratio Lower Upper

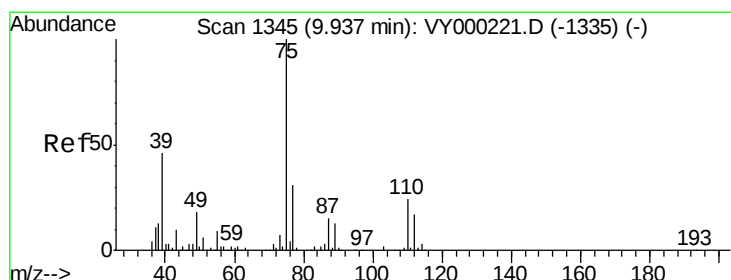
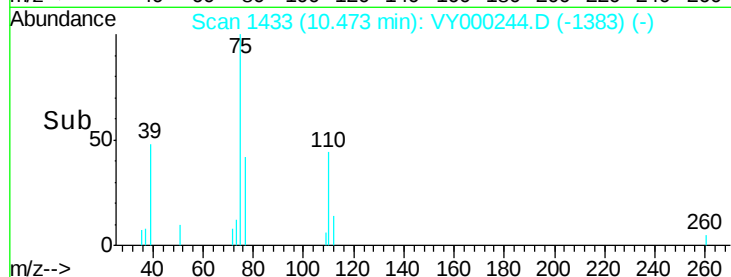
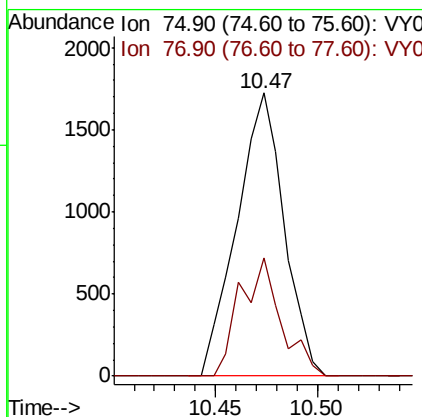
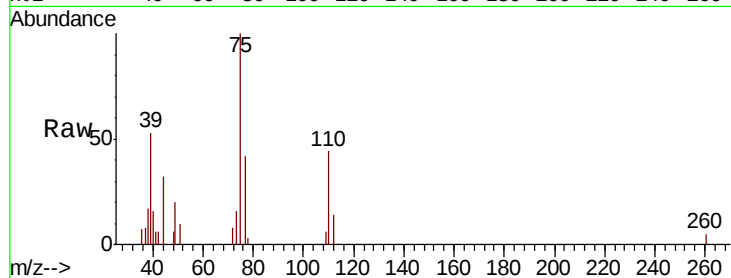
75 100

77 41.6 25.3 37.9#

Manual Integrations
APPROVED

MMDadoda

10/11/2019 8:40:43 AM



#54

cis-1,3-Dichloropropene

Concen: 0.492 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

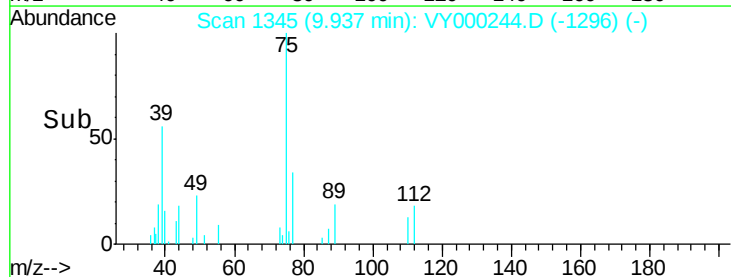
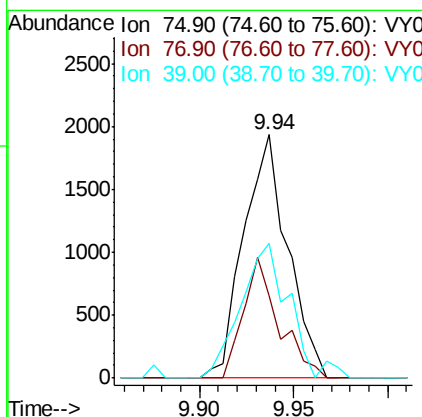
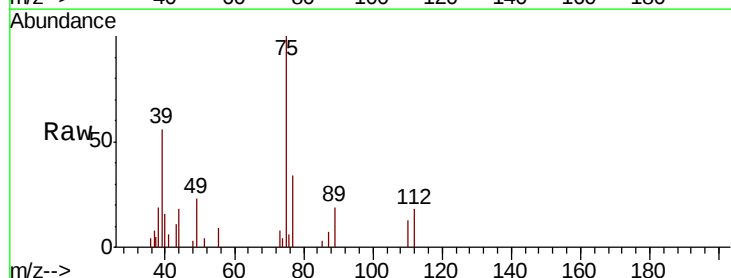
Tgt Ion: 75 Resp: 3145

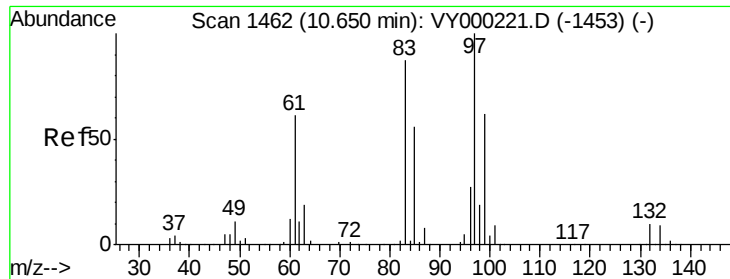
Ion Ratio Lower Upper

75 100

77 34.1 25.0 37.4

39 55.5 36.3 54.5#





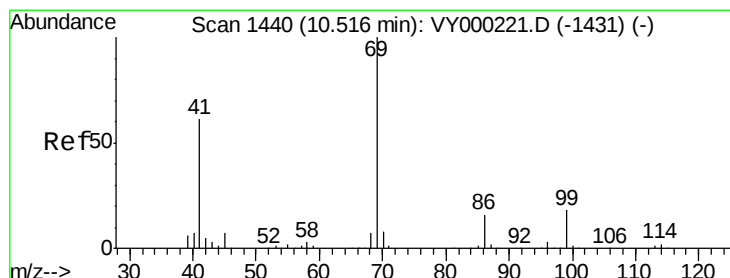
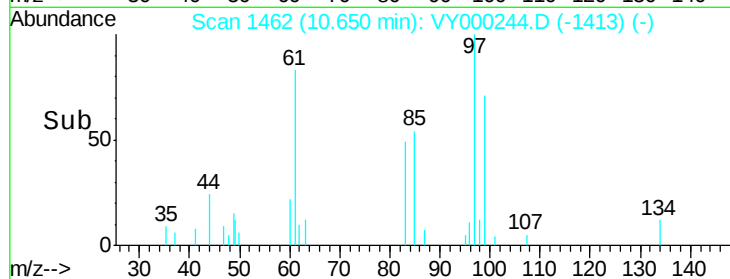
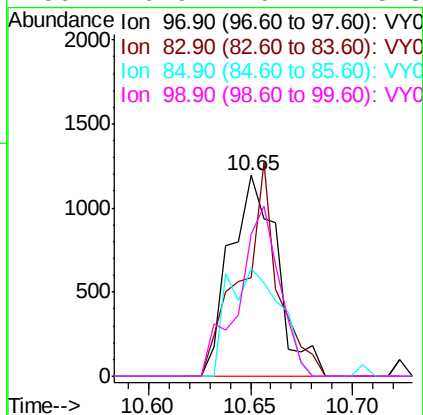
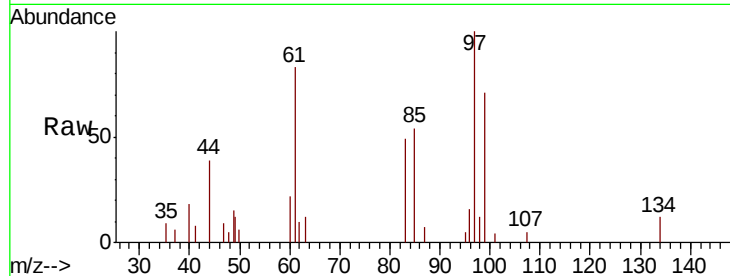
#55
 1,1,2-Trichloroethane
 Concen: 0.505 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
97	100		
83	49.2	69.4	104.0#
85	53.9	44.6	66.8
99	70.9	49.2	73.8

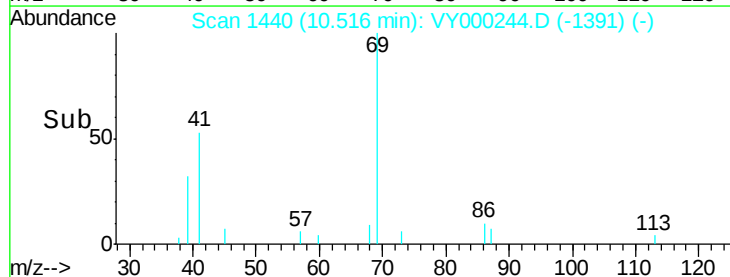
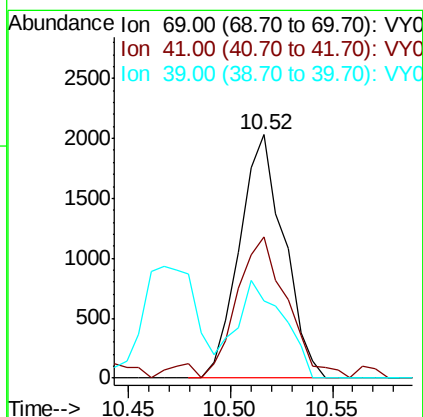
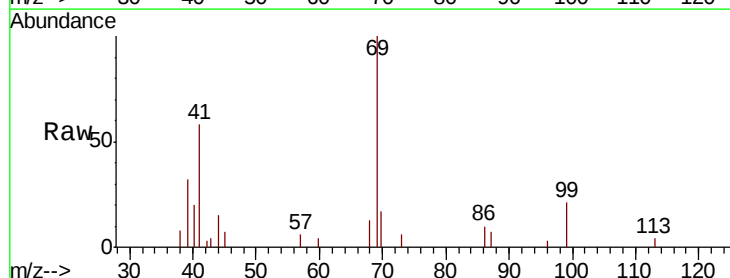
Manual Integrations
 APPROVED

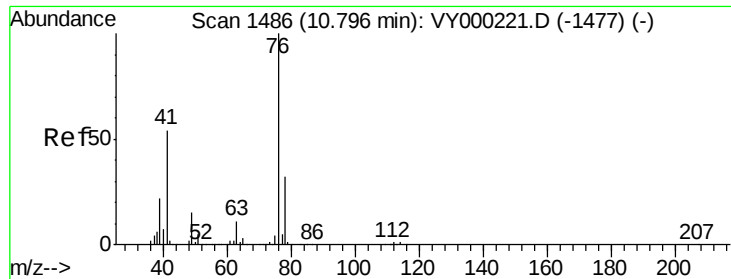
MMDadoda
 10/11/2019 8:40:43 AM



#56
 Ethyl methacrylate
 Concen: 0.457 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.2	76.8
39	42.2	27.0	40.4#





#57

1,3-Dichloropropane

Concen: 0.516 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 76 Resp: 3376

Ion Ratio Lower Upper

76 100

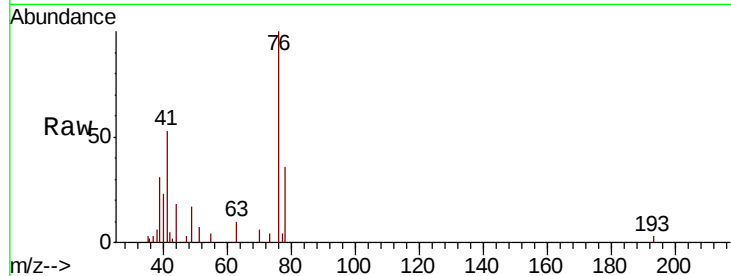
78 41.2 26.0 39.0#

Manual Integrations

APPROVED

MMDadoda

10/11/2019 8:40:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

2500

2000

1500

1000

500

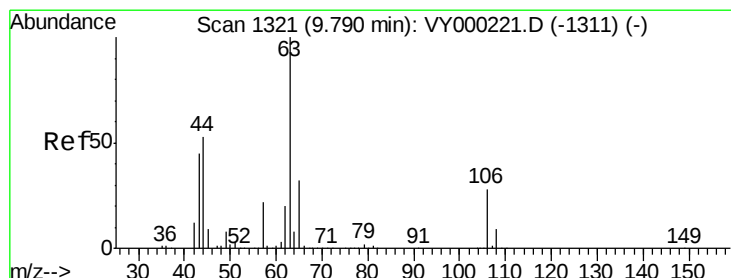
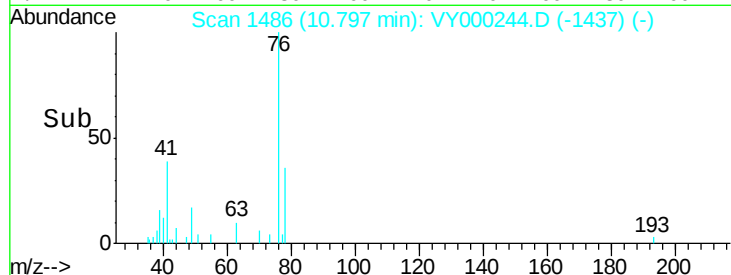
0

10.75

10.80

10.85

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.296 ug/l

RT: 9.80 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VY000244.D

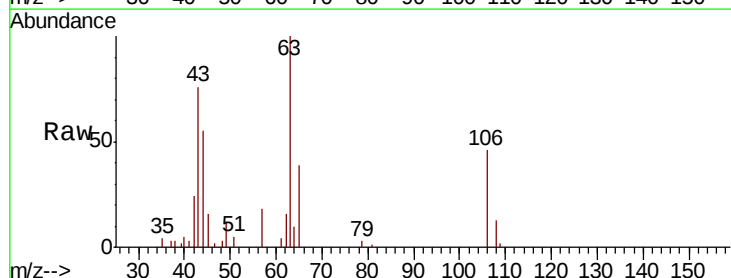
Acq: 09 Oct 2019 15:29

Tgt Ion: 63 Resp: 6904

Ion Ratio Lower Upper

63 100

106 36.4 22.6 33.8#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

4000

3000

2000

1000

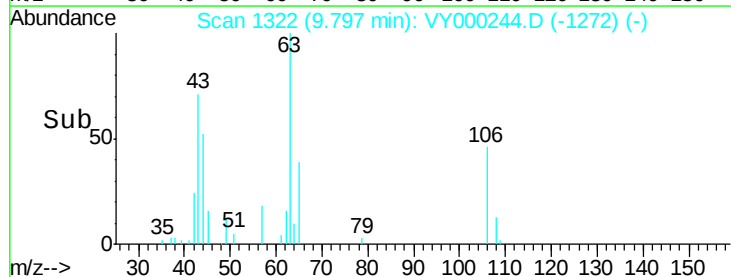
0

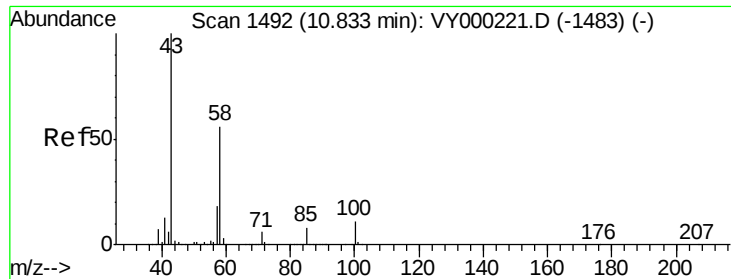
9.75

9.80

9.85

Time-->





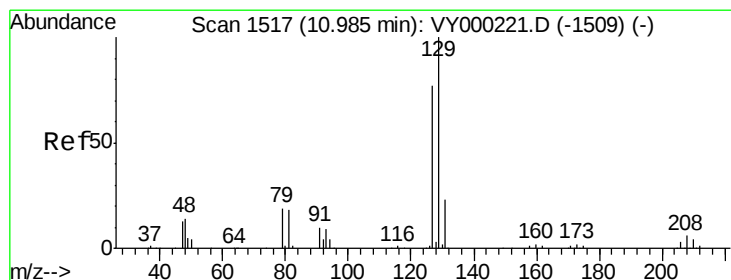
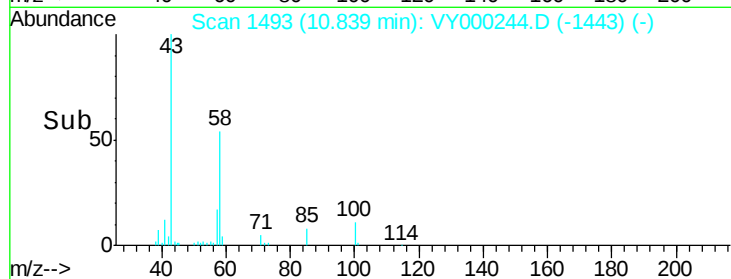
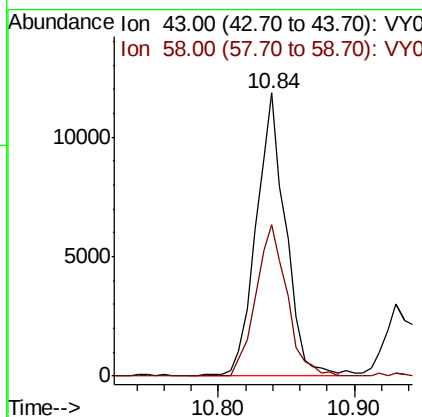
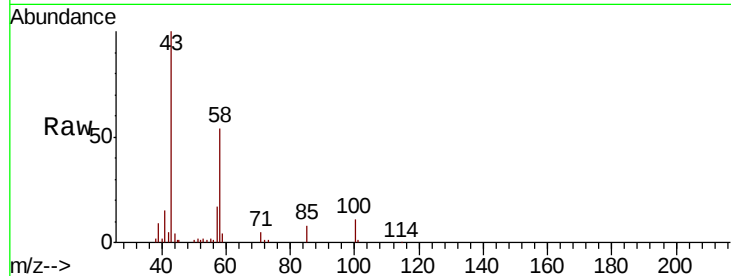
#59
2-Hexanone
Concen: 2.436 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 43 Resp: 18031
Ion Ratio Lower Upper
43 100
58 56.7 28.2 84.6

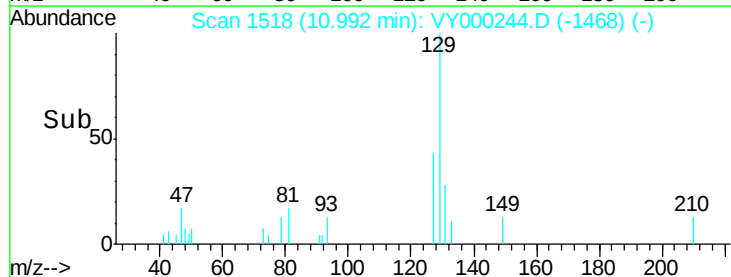
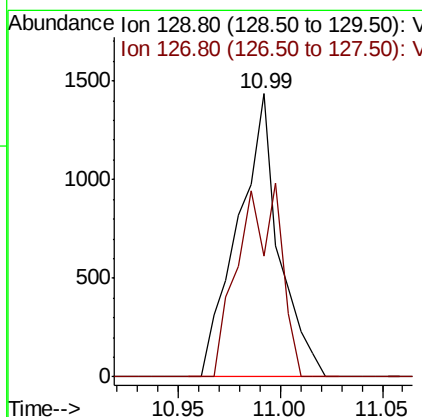
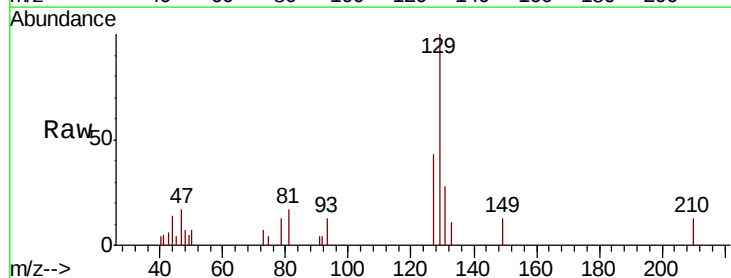
Manual Integrations
APPROVED

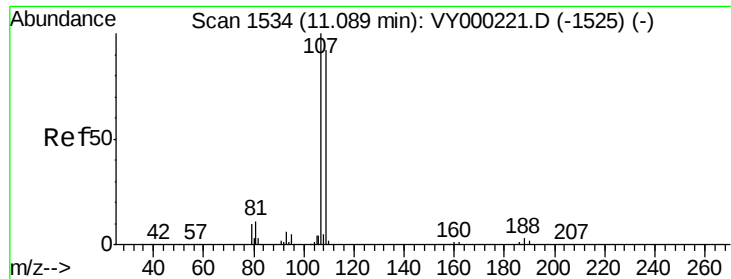
MMDadoda
10/11/2019 8:40:43 AM



#60
Dibromochloromethane
Concen: 0.496 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion: 129 Resp: 2011
Ion Ratio Lower Upper
129 100
127 69.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 0.619 ug/l

RT: 11.10 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 107 Resp: 2519

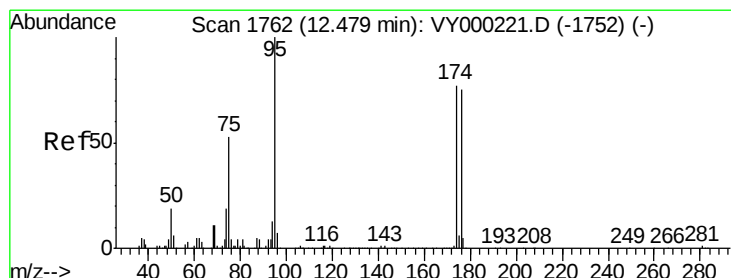
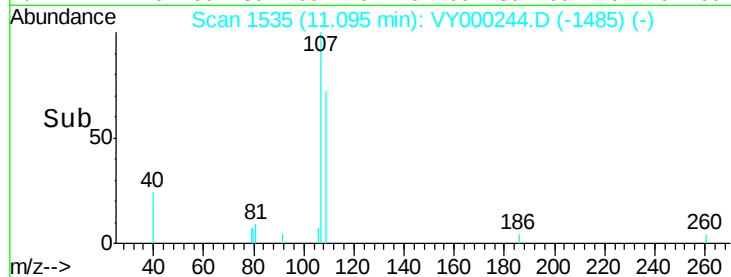
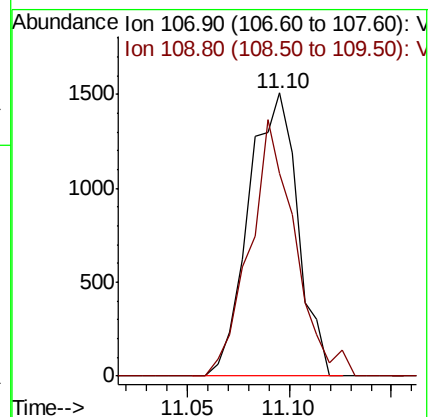
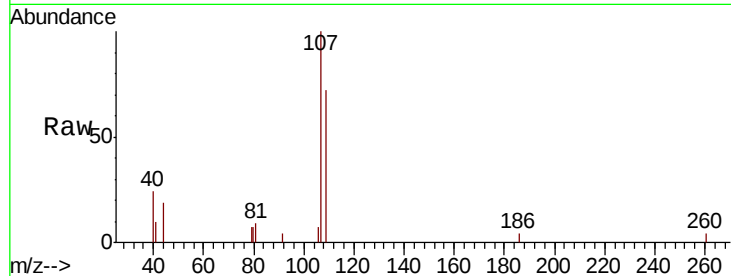
Ion Ratio Lower Upper

107 100

109 83.8 75.0 112.6

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM



#62

4-Bromofluorobenzene

Concen: 46.370 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

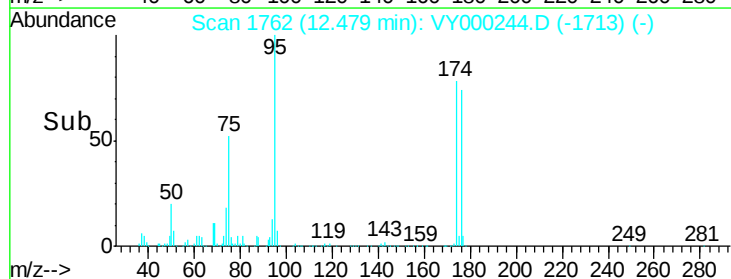
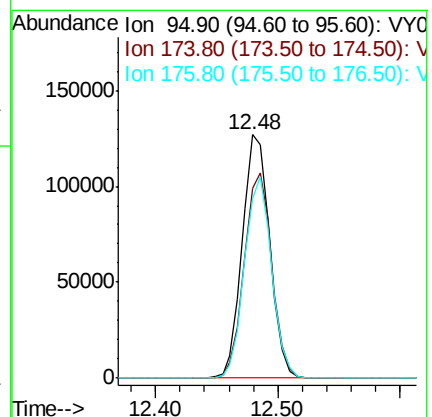
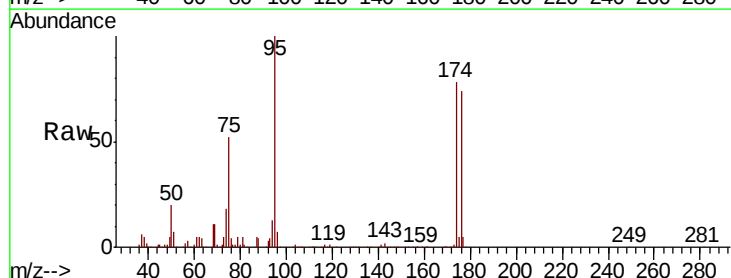
Tgt Ion: 95 Resp: 196592

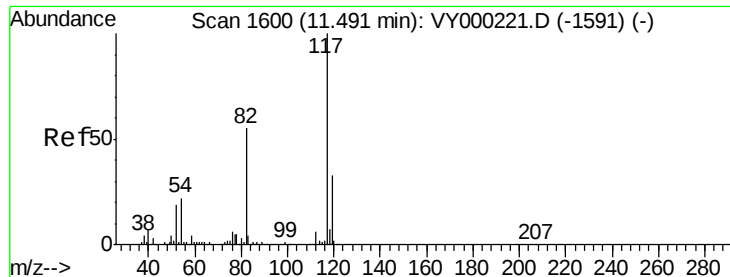
Ion Ratio Lower Upper

95 100

174 85.0 0.0 157.0

176 81.5 0.0 153.0





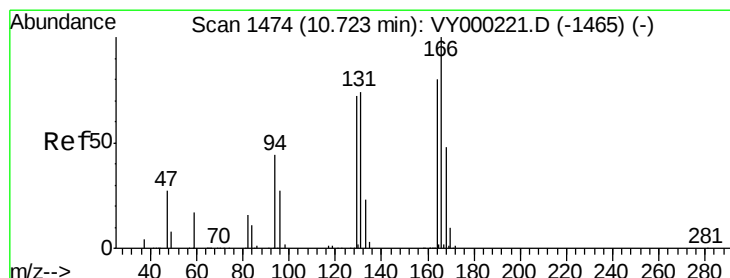
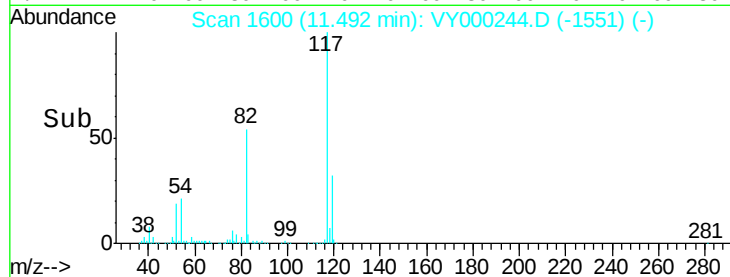
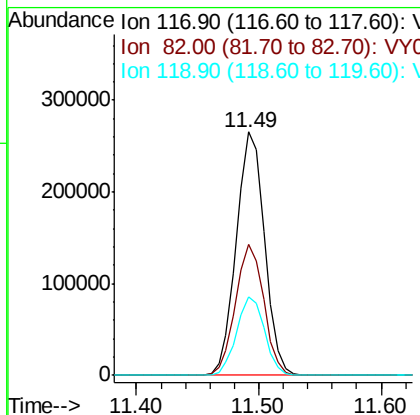
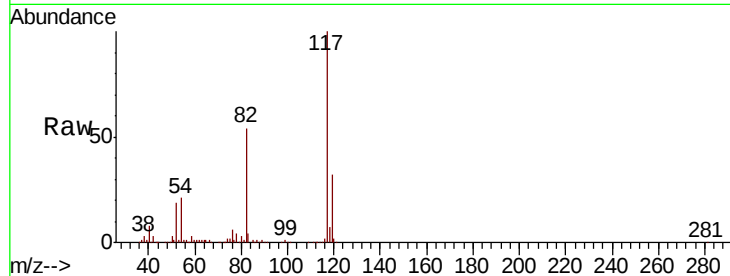
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	423489		
82	53.9		44.4	66.6
119	32.3		26.2	39.2

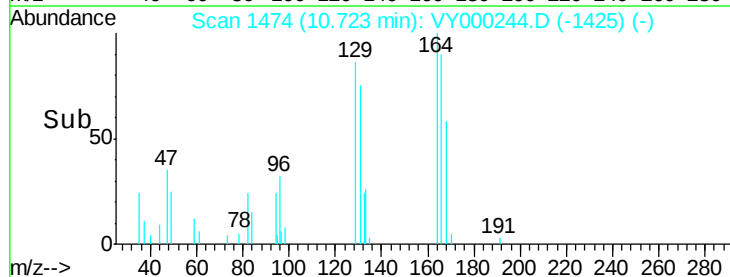
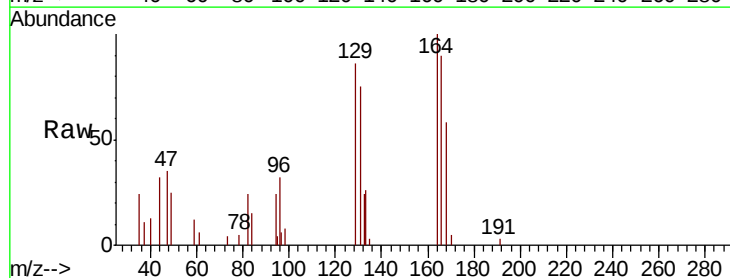
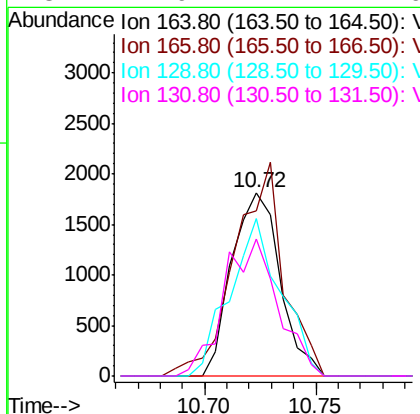
Manual Integrations
APPROVED

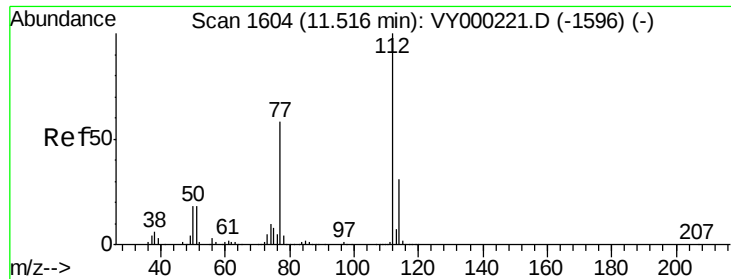
MMDadoda
10/11/2019 8:40:43 AM



#64
Tetrachloroethene
Concen: 0.710 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2747		
166	89.9		100.3	150.5#
129	85.8		72.4	108.6
131	74.9		74.4	111.6





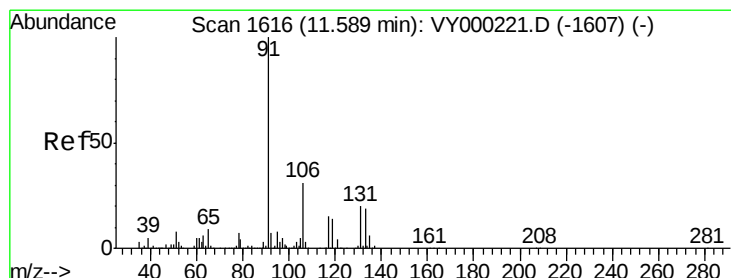
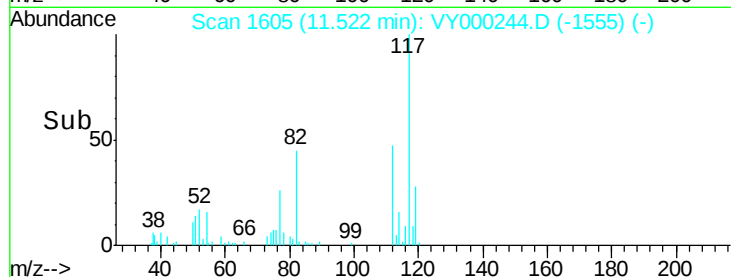
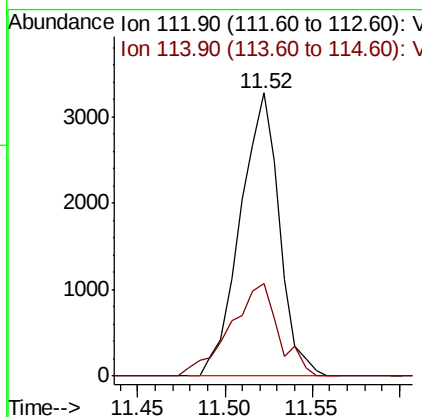
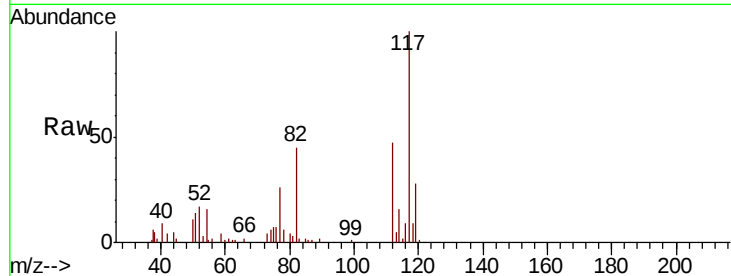
#65
Chlorobenzene
Concen: 0.521 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.0	37.4

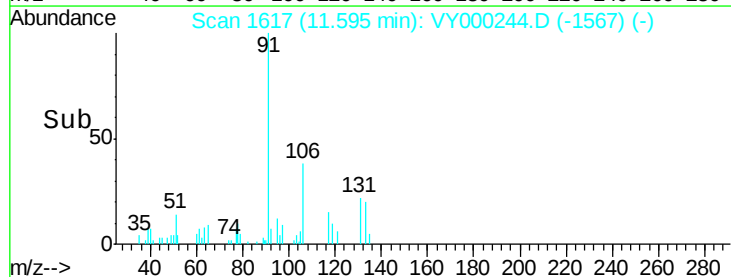
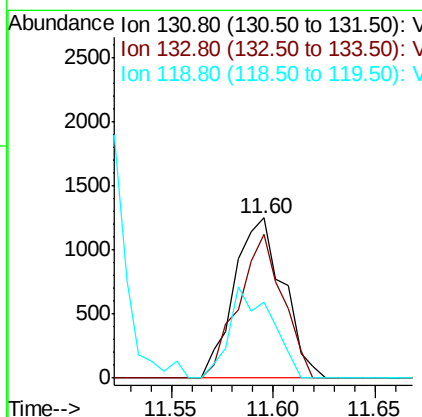
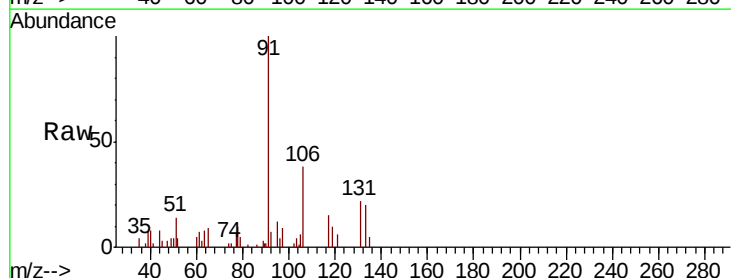
Manual Integrations
APPROVED

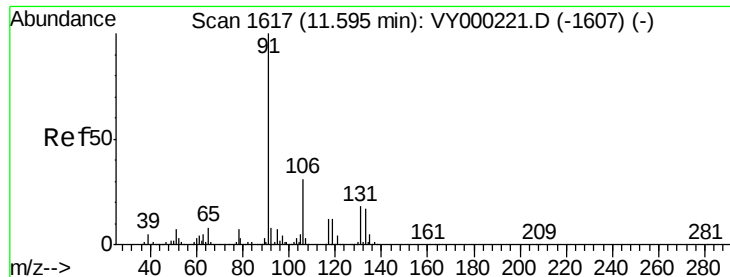
MMDadoda
10/11/2019 8:40:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.593 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	80.8	47.0	141.2
119	0.0	33.3	99.8#





#67

Ethyl Benzene

Concen: 0.534 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 9362

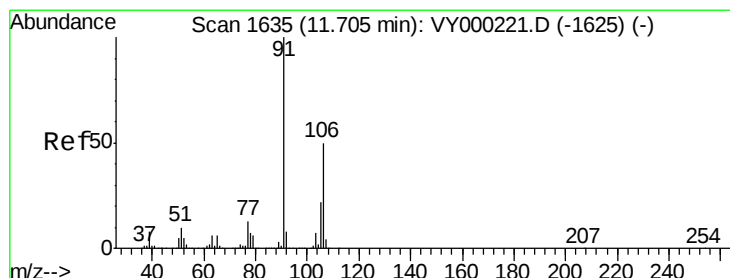
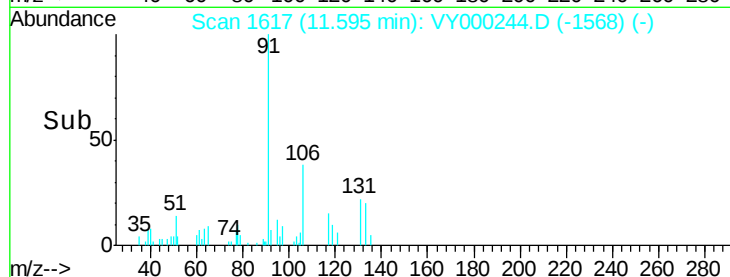
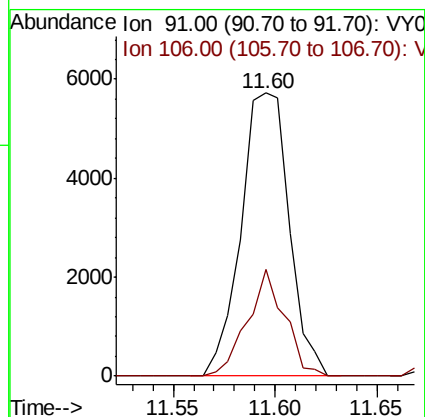
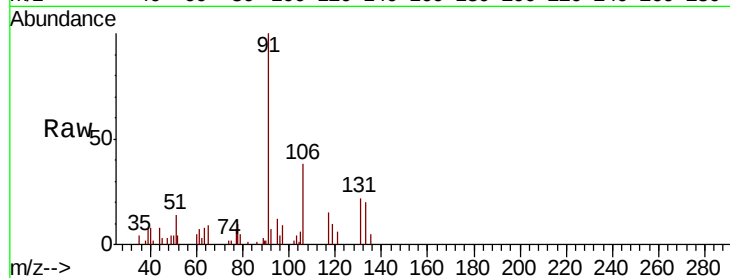
Ion Ratio Lower Upper

91 100

106 37.6 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM



#68

m/p-Xylenes

Concen: 0.942 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VY000244.D

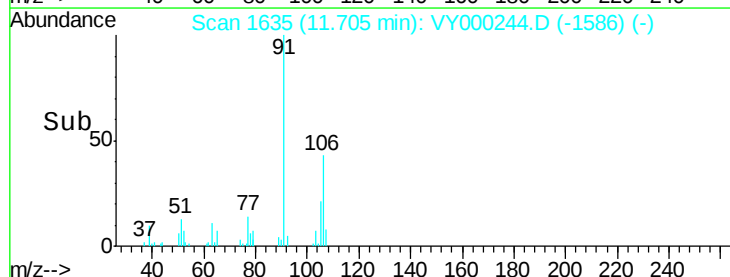
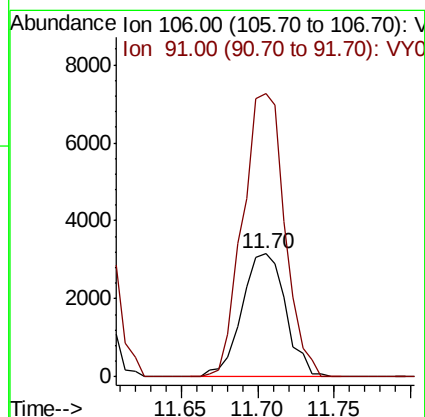
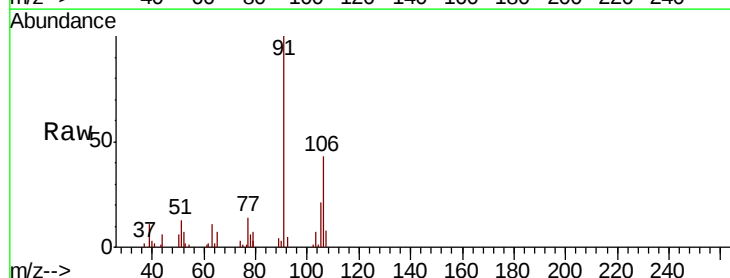
Acq: 09 Oct 2019 15:29

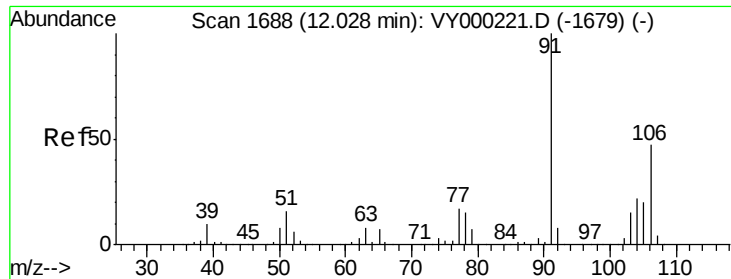
Tgt Ion: 106 Resp: 6306

Ion Ratio Lower Upper

106 100

91 220.0 159.9 239.9





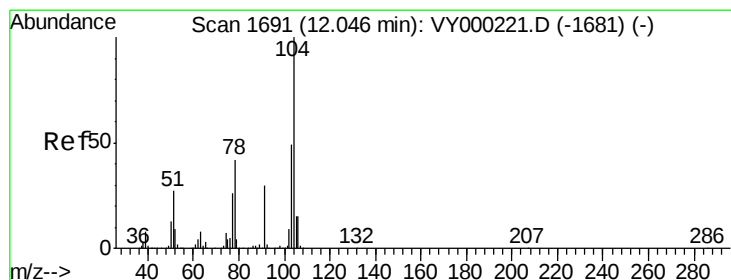
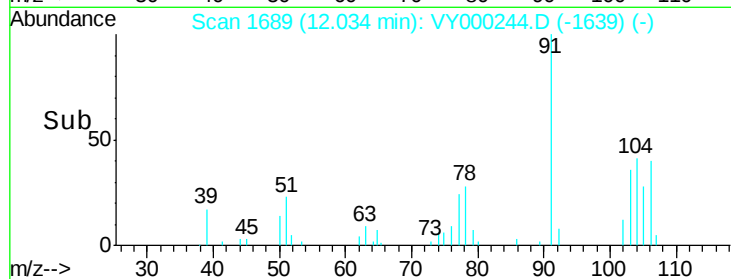
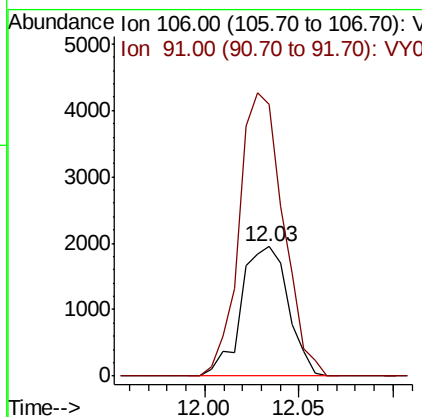
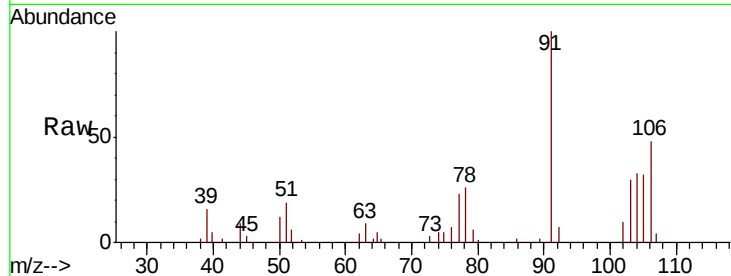
#69
o-Xylene
Concen: 0.521 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleID :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.7	106.1	318.1

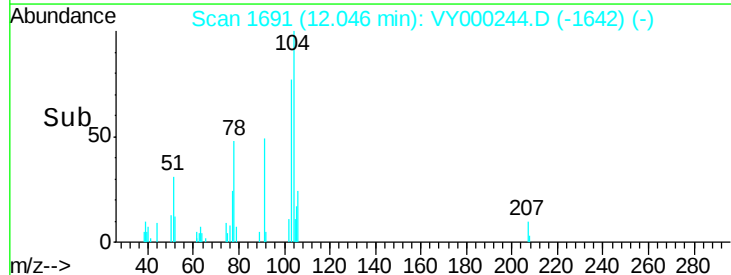
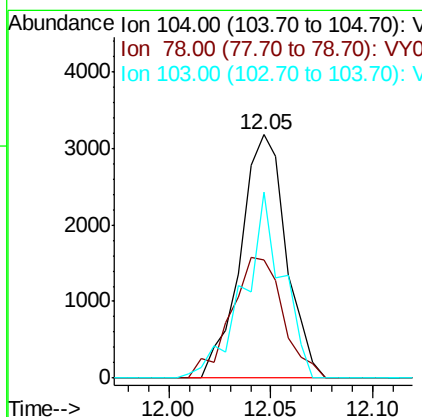
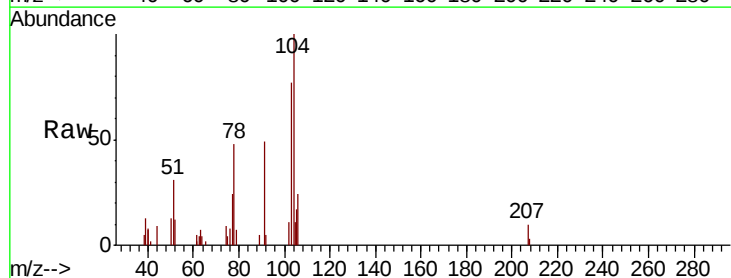
Manual Integrations
APPROVED

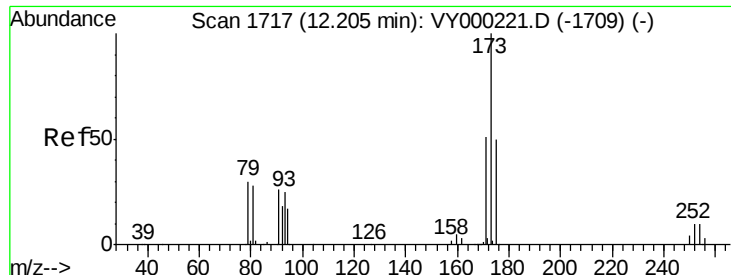
MMDadoda
10/11/2019 8:40:43 AM



#70
Styrene
Concen: 0.446 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.2	39.0	58.4
103	65.1	43.1	64.7#





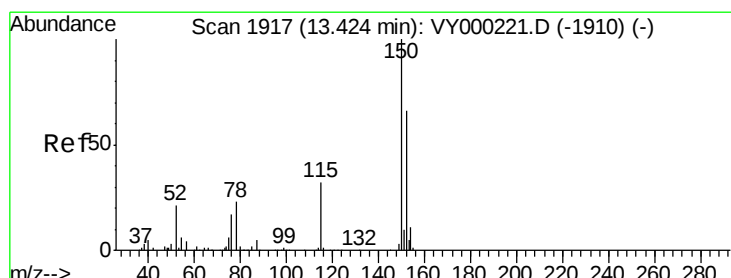
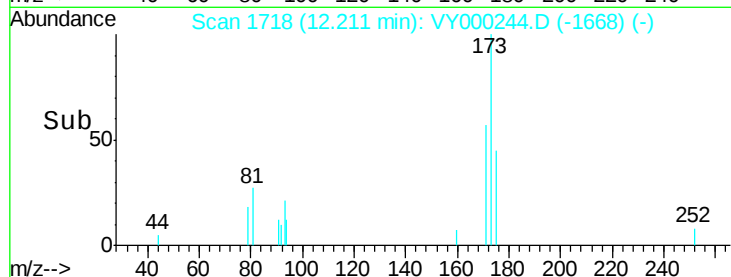
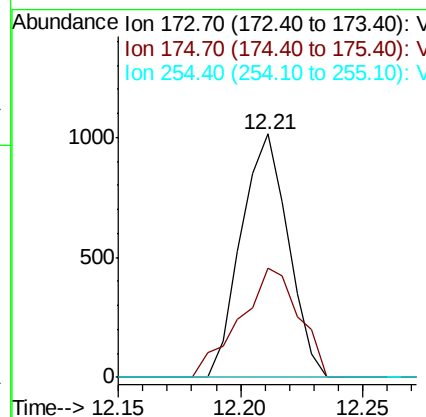
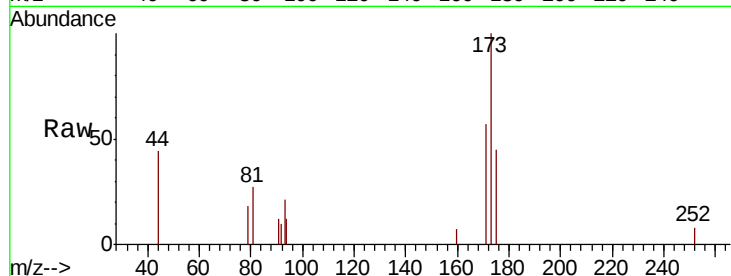
#71
Bromoform
Concen: 0.470 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampled :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
173	100		
175	56.4	24.8	74.3
254	0.0	0.1	0.1#

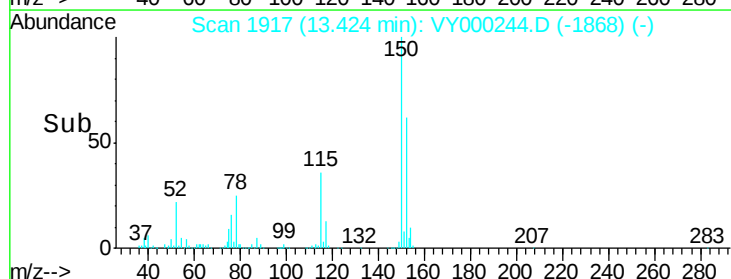
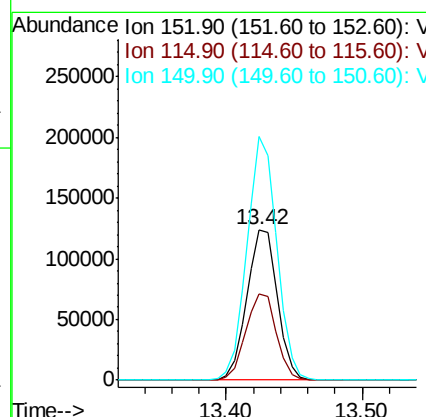
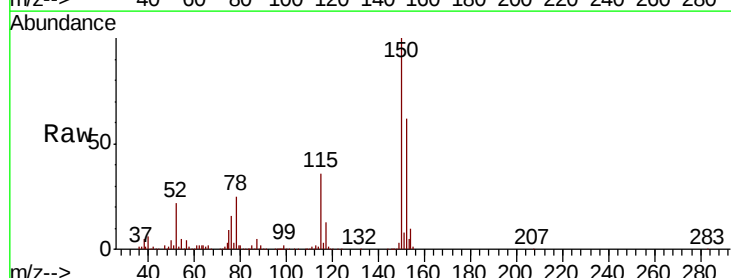
Manual Integrations
APPROVED

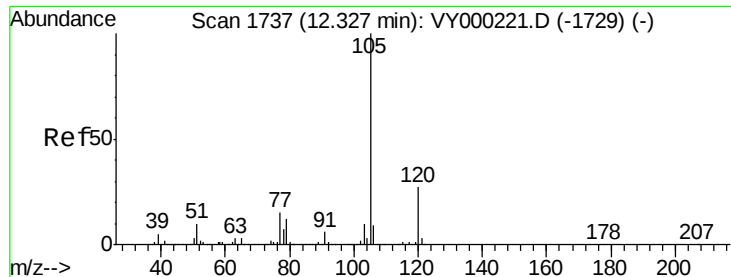
MMDadoda
10/11/2019 8:40:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.3	88.0
150	158.3	0.0	349.6





#73

Isopropylbenzene

Concen: 0.495 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 105 Resp: 8158

Ion Ratio Lower Upper

105 100

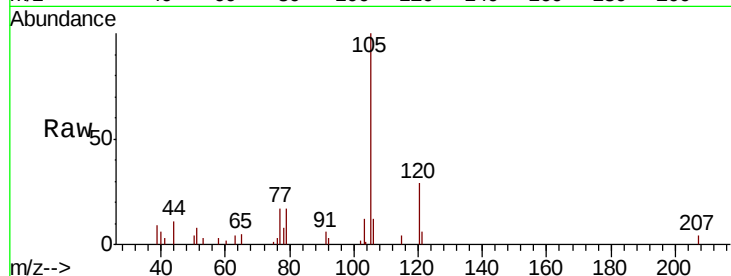
120 29.0 13.6 40.8

Manual Integrations

APPROVED

MMDadoda

10/11/2019 8:40:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

5000

4000

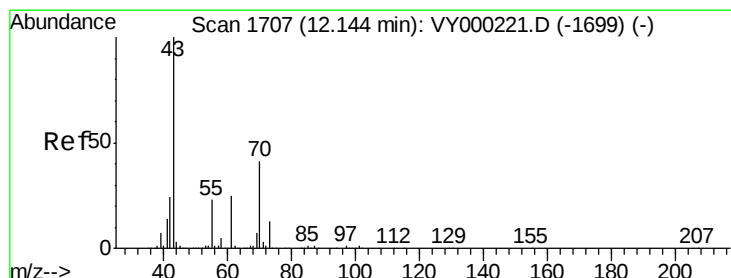
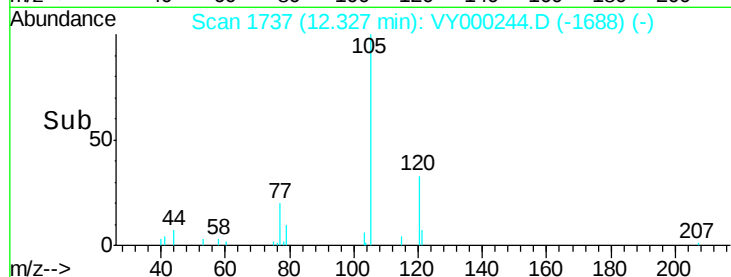
3000

2000

1000

0

Time--> 12.25 12.30 12.35 12.40



#74

N-ethyl acetate

Concen: 0.422 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Tgt Ion: 43 Resp: 3306

Ion Ratio Lower Upper

43 100

70 46.5 34.9 52.3

55 31.4 18.2 27.2#

61 23.3 20.1 30.1

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

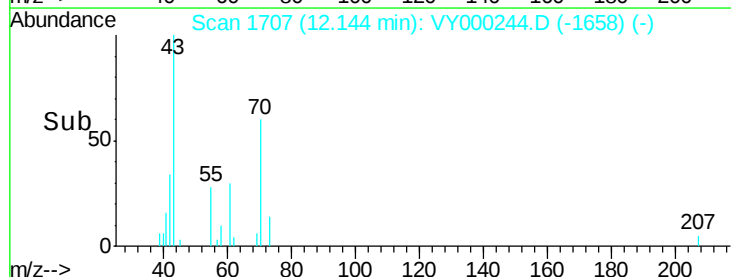
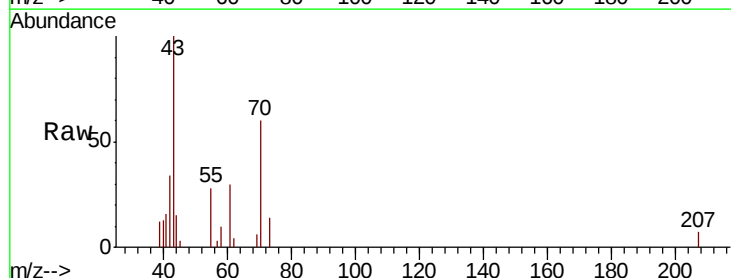
3000

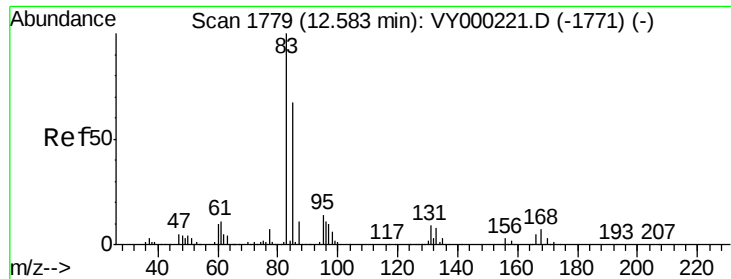
2000

1000

0

Time--> 12.10 12.15 12.20





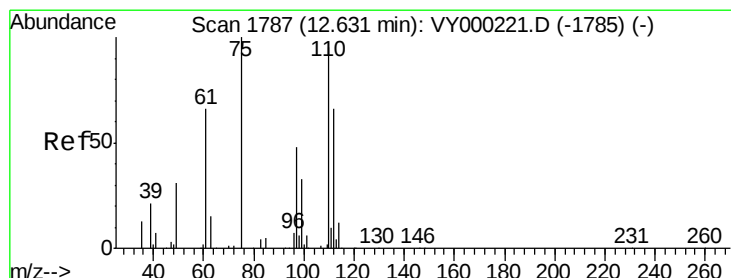
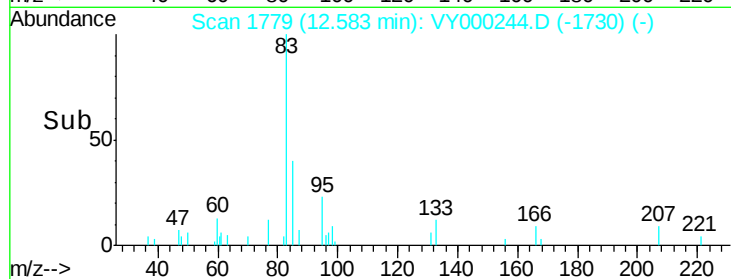
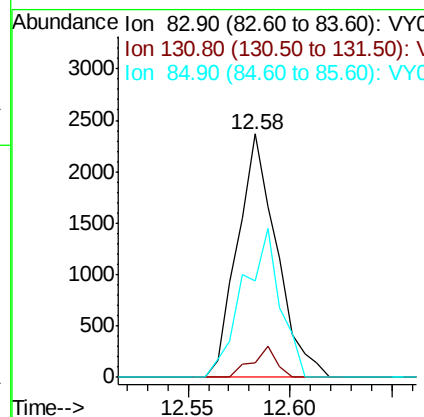
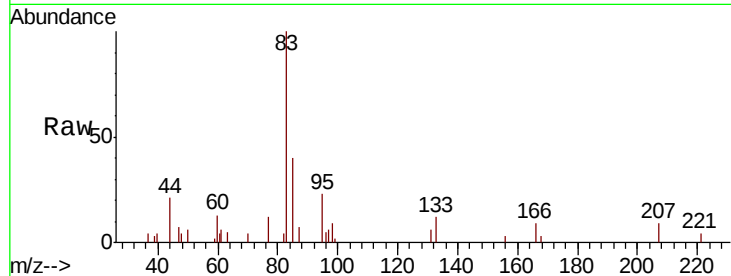
#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.561 ug/l
 RT: 12.58 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
83	100		
131	7.9	4.8	14.3
85	58.3	32.5	97.5

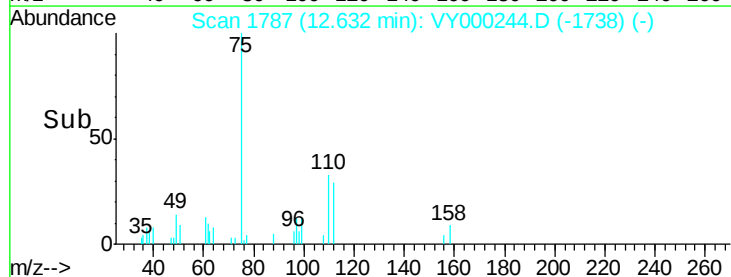
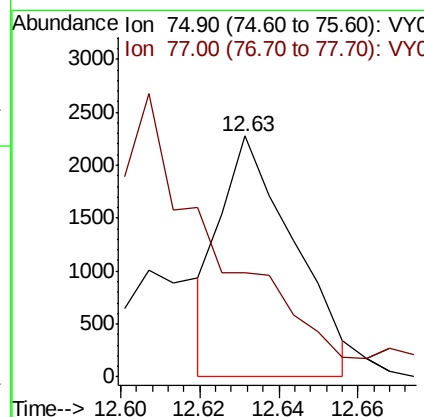
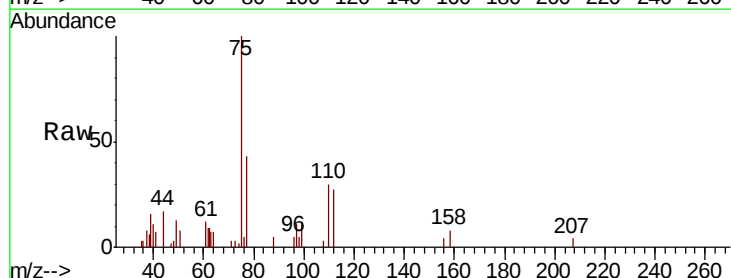
Manual Integrations
 APPROVED

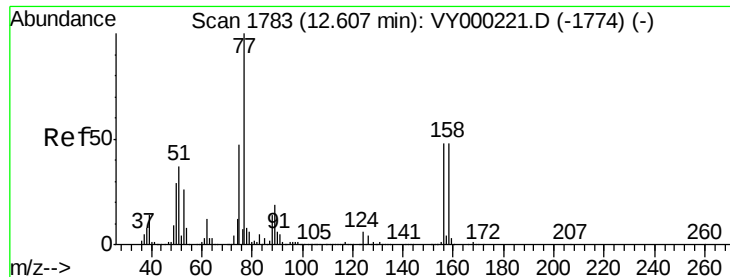
MMDadoda
 10/11/2019 8:40:43 AM



#76
 1,2,3-Trichloropropane
 Concen: 0.572 ug/l m
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.610 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:156 Resp: 2357

Ion Ratio Lower Upper

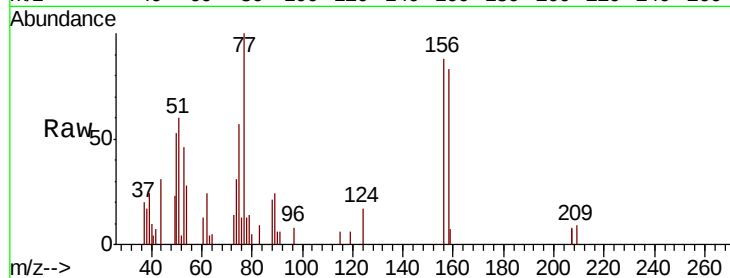
156 100

77 214.3 118.1 354.3

158 96.6 47.8 143.3

Manual Integrations
APPROVED

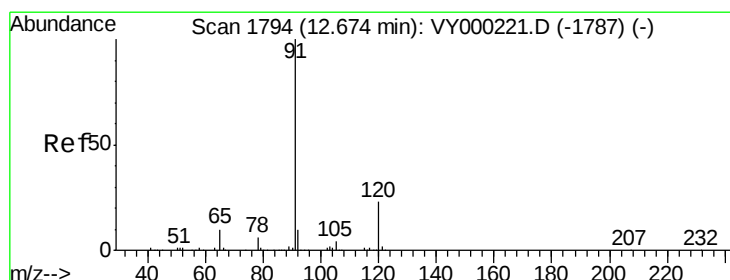
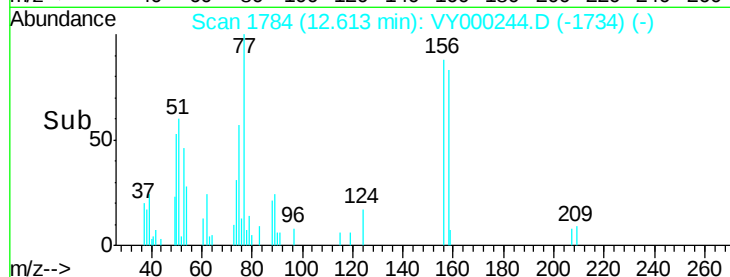
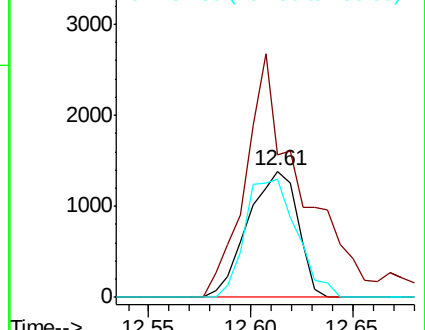
MMDadoda
10/11/2019 8:40:43 AM



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: 0.464 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY000244.D

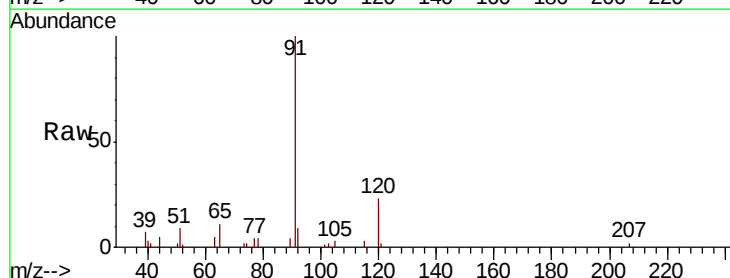
Acq: 09 Oct 2019 15:29

Tgt Ion: 91 Resp: 8919

Ion Ratio Lower Upper

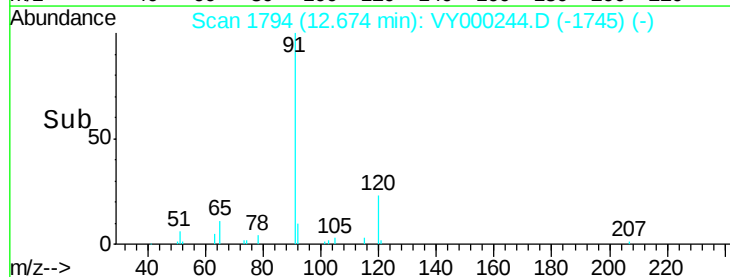
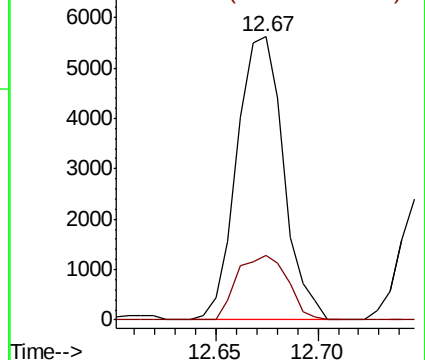
91 100

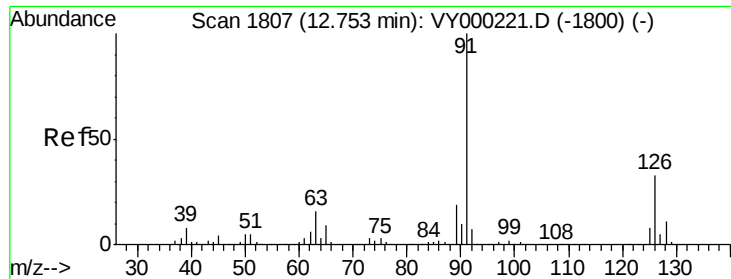
120 24.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





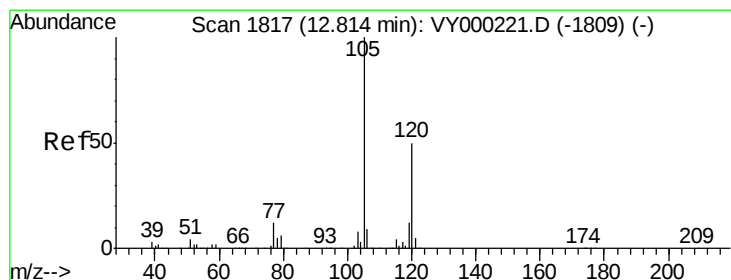
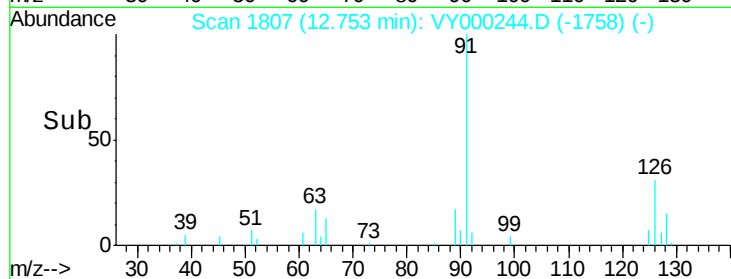
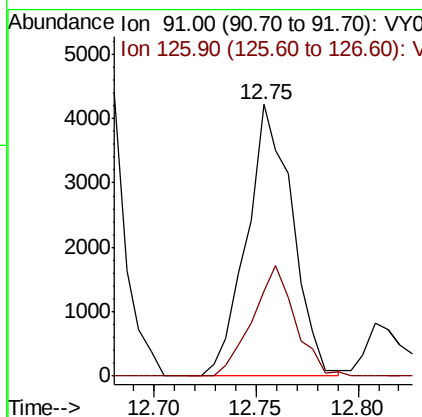
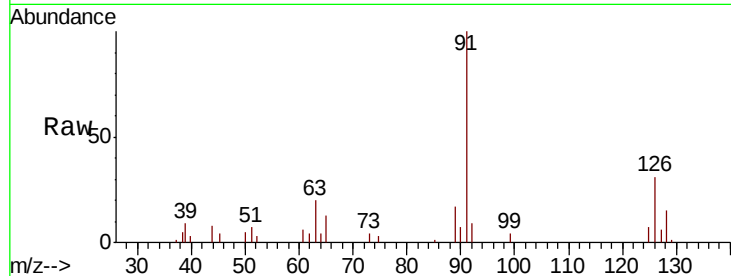
#79
 2-Chlorotoluene
 Concen: 0.592 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
126	38.1	17.2	51.6

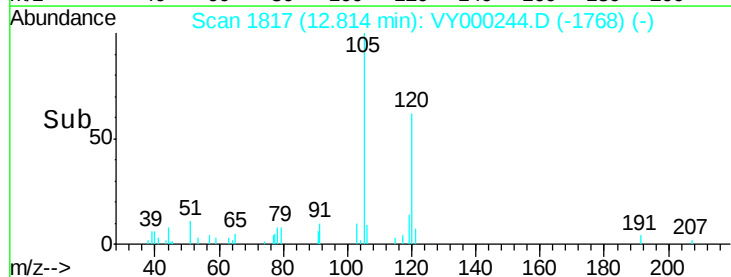
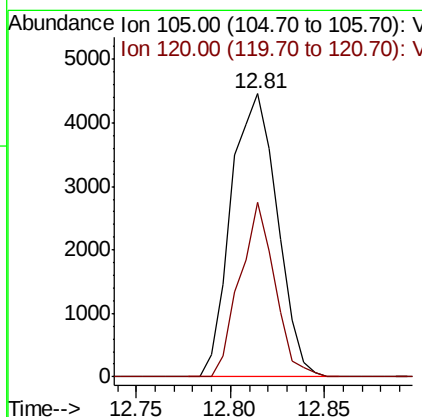
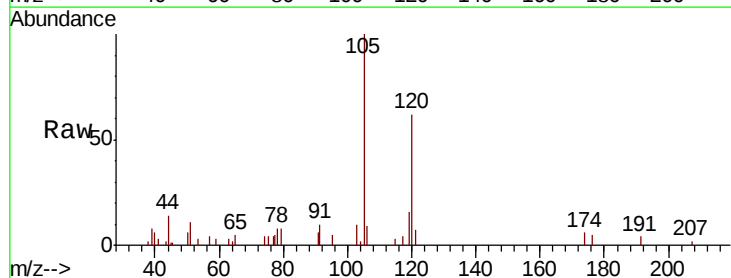
Manual Integrations
 APPROVED

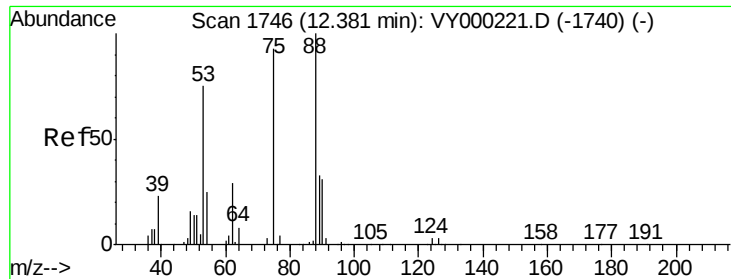
MMDadoda
 10/11/2019 8:40:43 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 0.551 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.8	74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 0.492 ug/l m

RT: 12.38 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

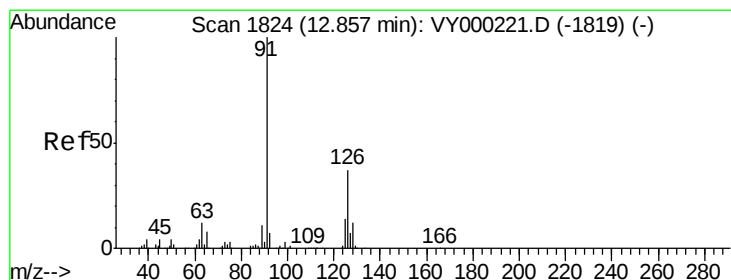
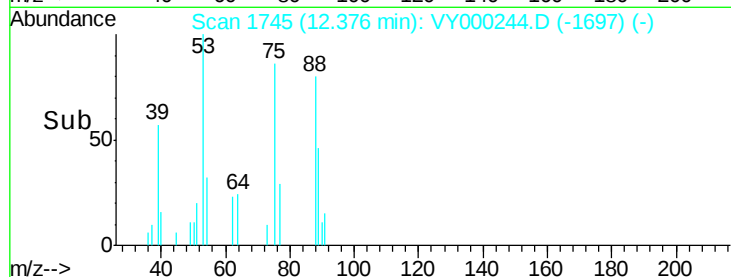
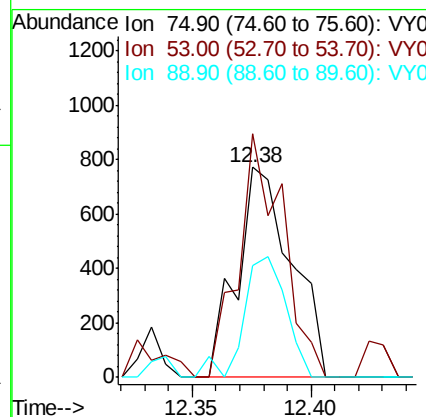
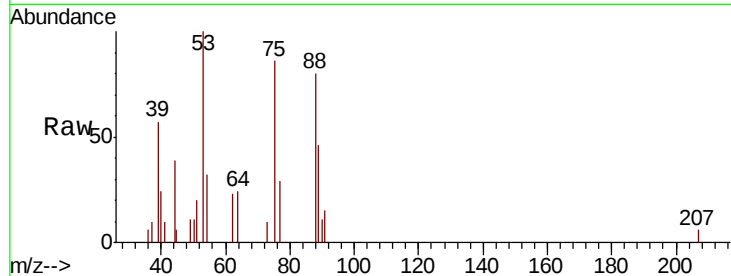
ClientSampleId :

0.5PPBMDL

Tot Ion:	75	Resp:	1224
Ion Ratio	Lower	Upper	
75	100		
53	0.0	66.5	99.7#
89	5.3	46.9	70.3#

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM



#82

4-Chlorotoluene

Concen: 0.560 ug/l

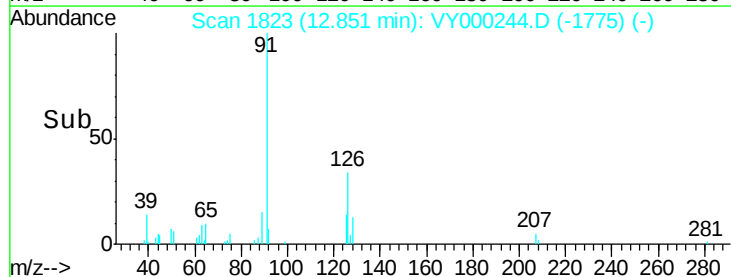
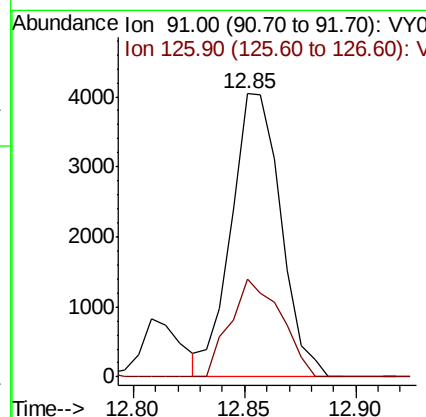
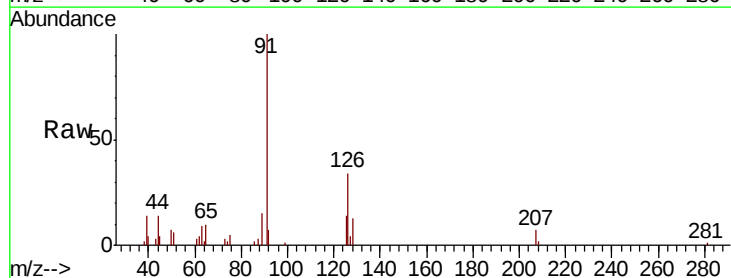
RT: 12.85 min Scan# 1823

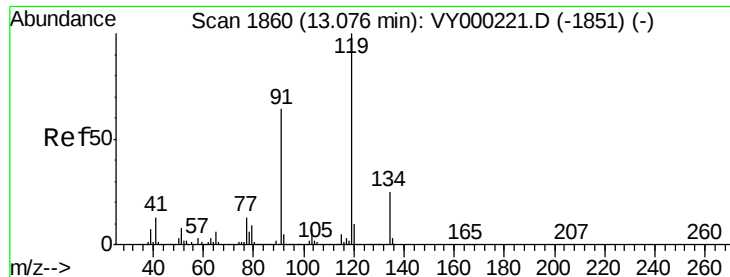
Delta R.T. -0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Tgt Ion:	91	Resp:	6279
Ion Ratio	Lower	Upper	
91	100		
126	35.3	17.3	52.0





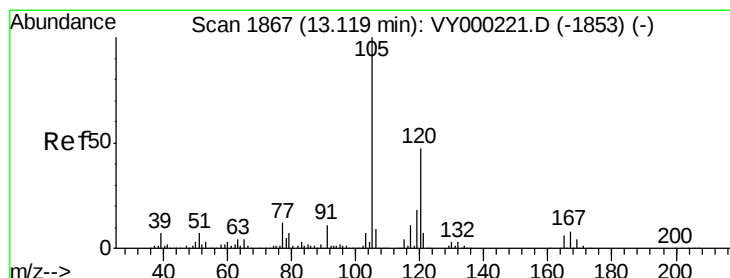
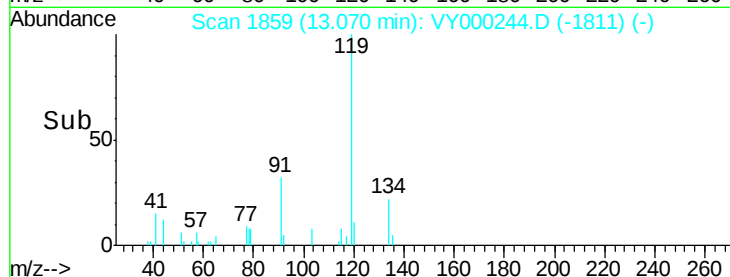
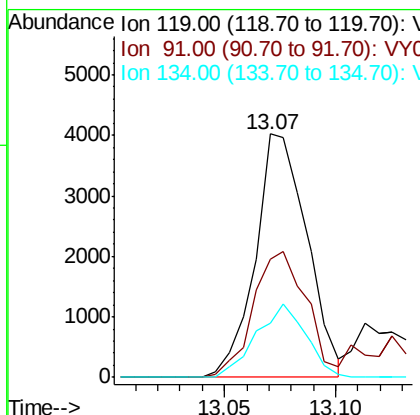
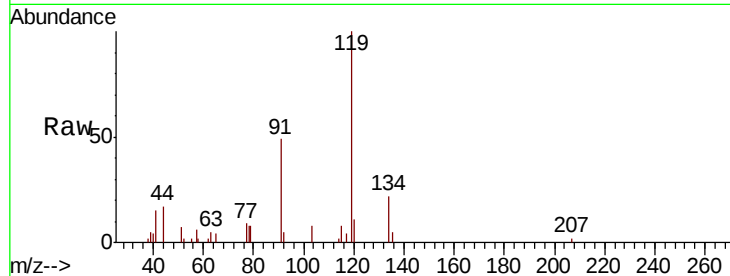
#83
tert-Butylbenzene
Concen: 0.544 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.3	32.4	97.2
134	29.0	13.2	39.6

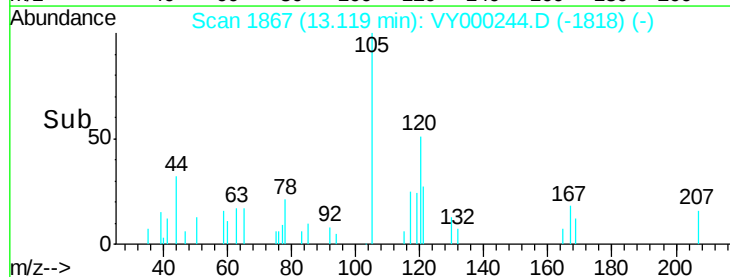
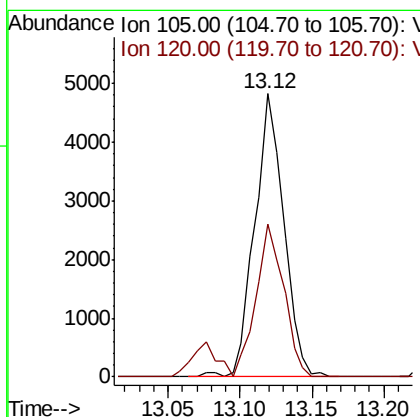
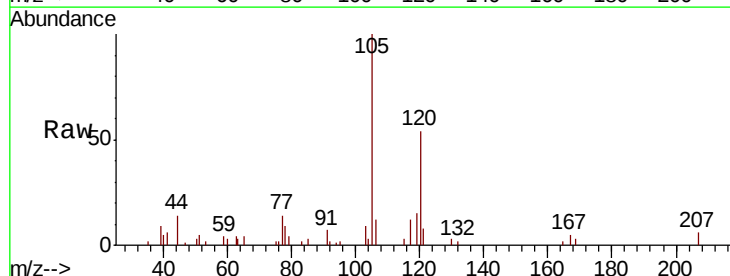
Manual Integrations
APPROVED

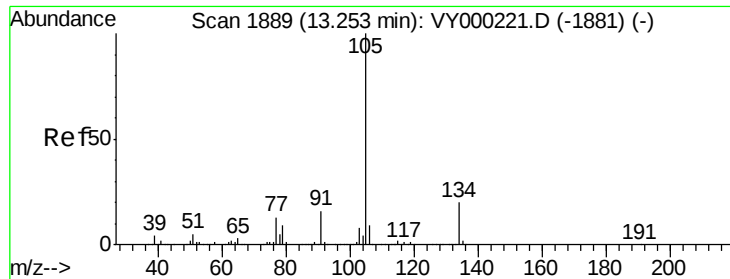
MMDadoda
10/11/2019 8:40:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 0.489 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.4	22.8	68.3





#85

sec-Butylbenzene

Concen: 0.528 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:105 Resp: 8699

Ion Ratio Lower Upper

105 100

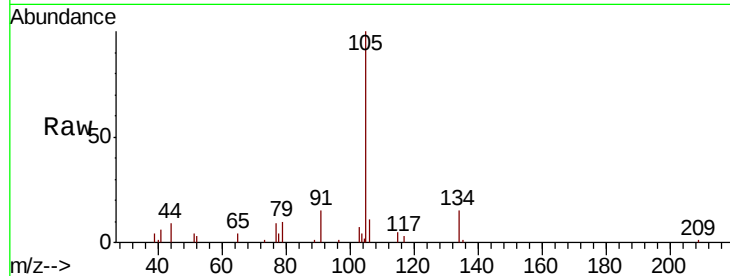
134 20.4 10.2 30.6

Manual Integrations

APPROVED

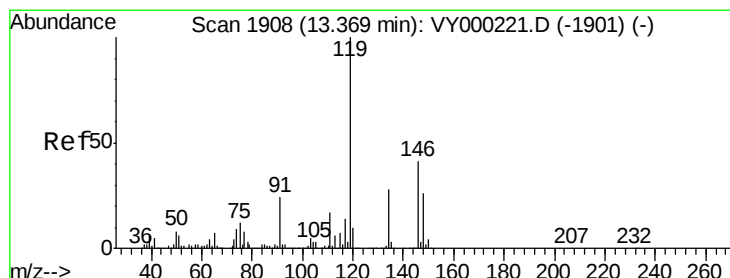
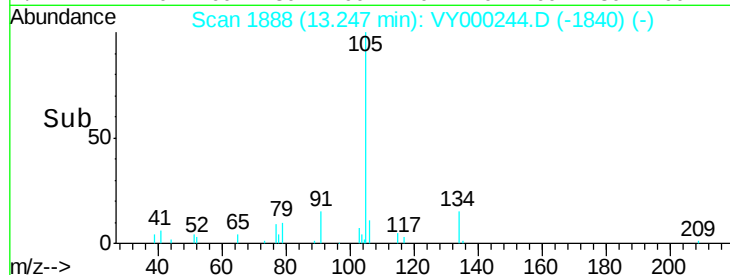
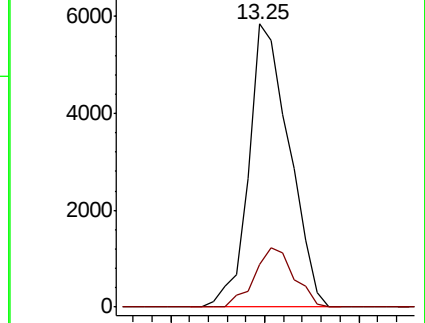
MMDadoda

10/11/2019 8:40:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.465 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

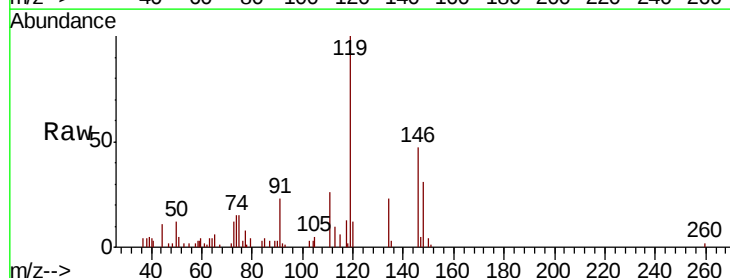
Tgt Ion:119 Resp: 6733

Ion Ratio Lower Upper

119 100

134 28.1 13.3 39.9

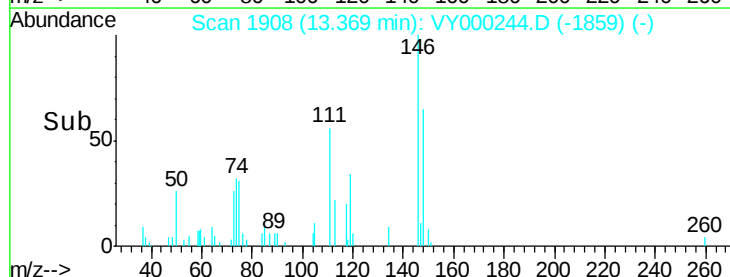
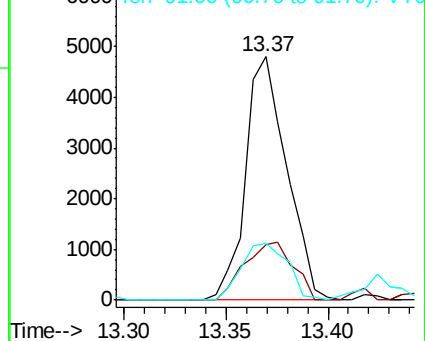
91 26.4 11.7 35.1

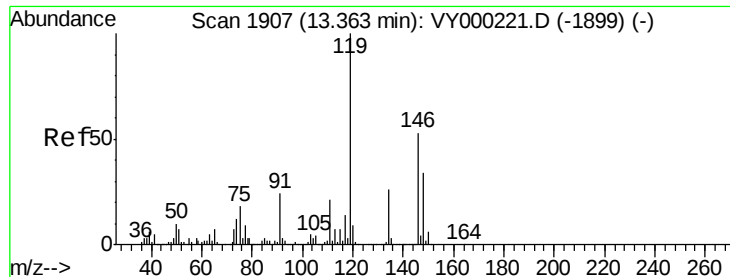


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 0.549 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Instrument :

MSVOA_Y

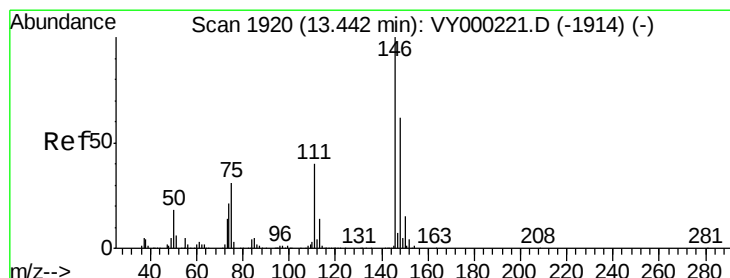
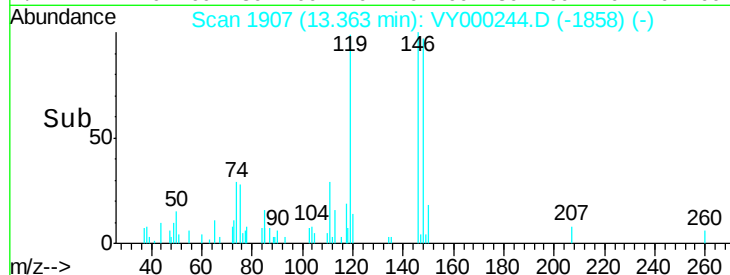
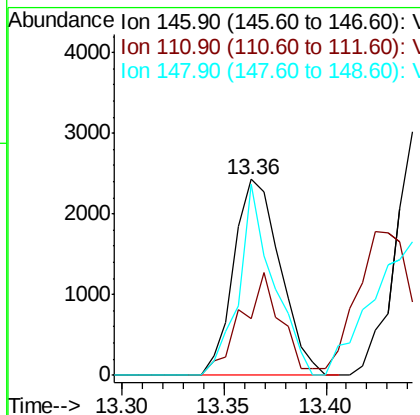
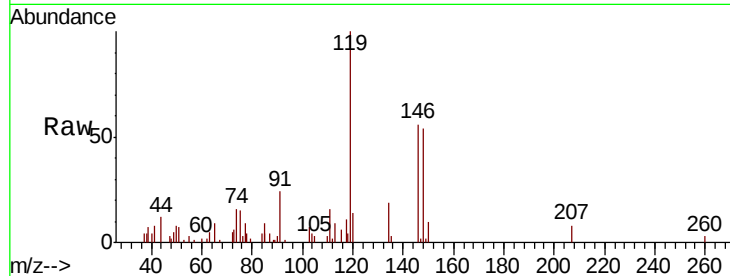
ClientSampleId :

0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	20.3	60.8
148	72.0	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM



#88

1,4-Dichlorobenzene

Concen: 0.603 ug/l m

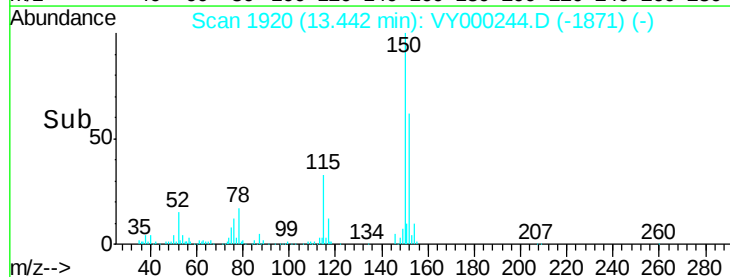
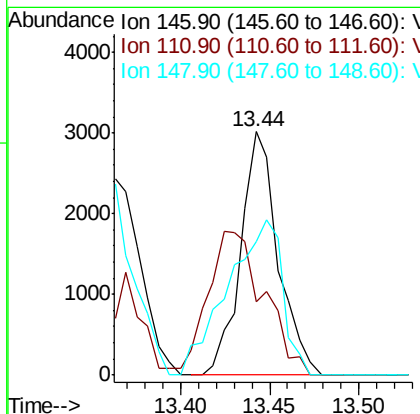
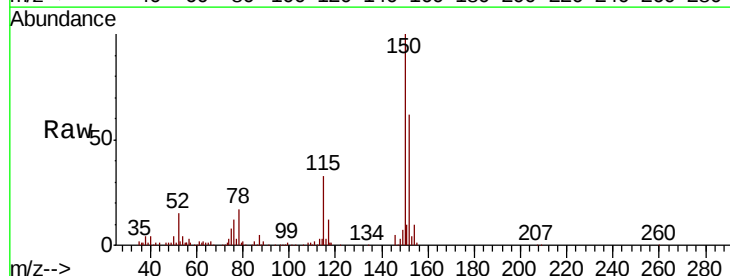
RT: 13.44 min Scan# 1920

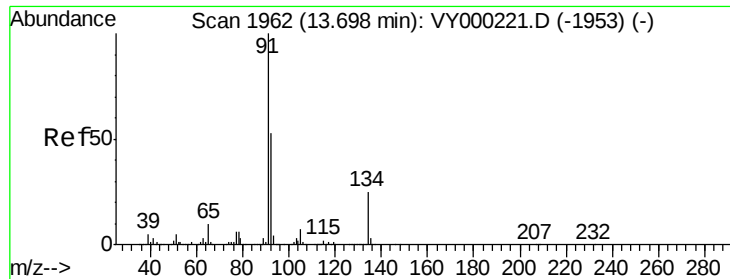
Delta R.T. 0.00 min

Lab File: VY000244.D

Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	62.9	31.6	94.8





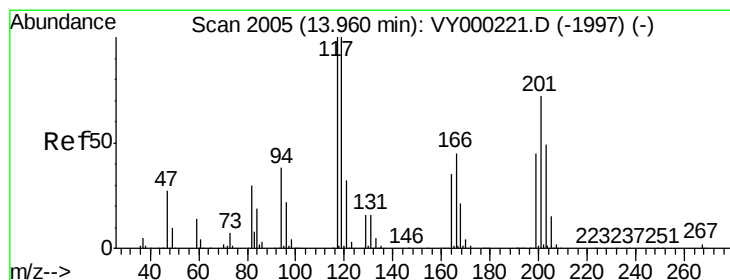
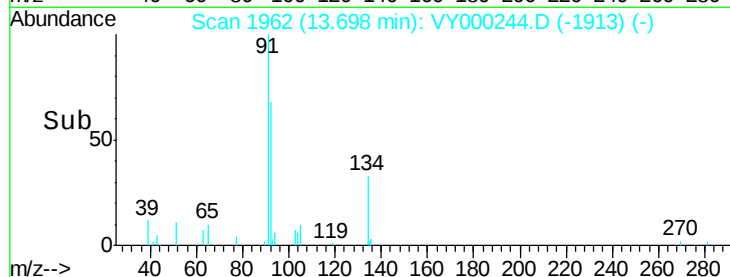
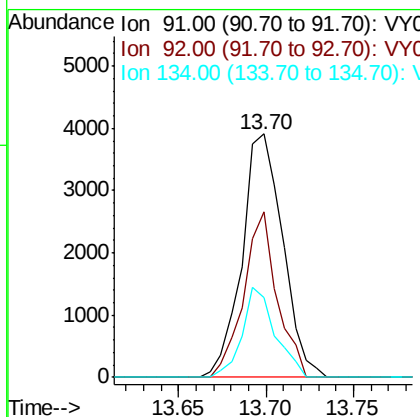
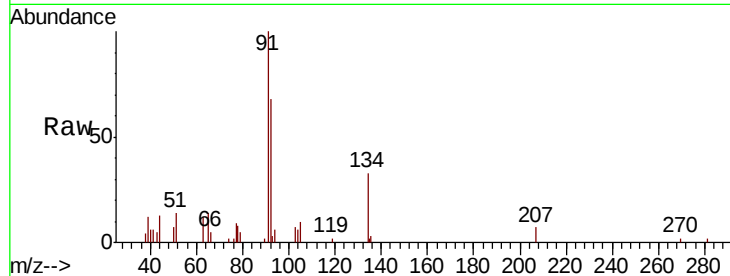
#89
n-Butylbenzene
Concen: 0.463 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.0	80.8
134	29.9	12.8	38.4

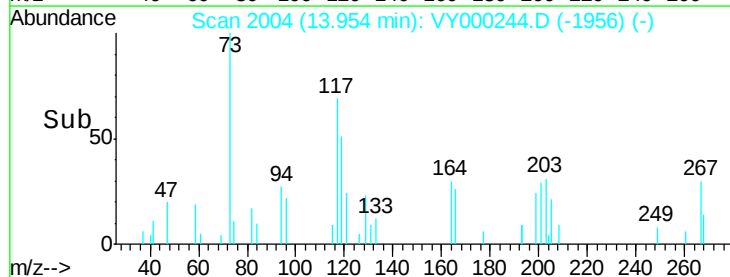
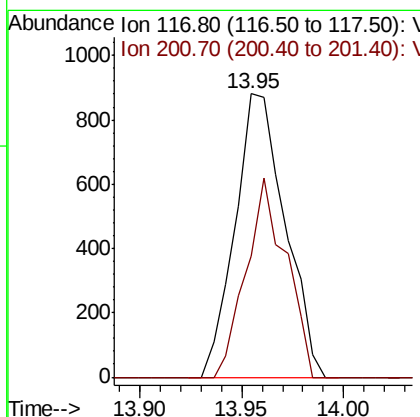
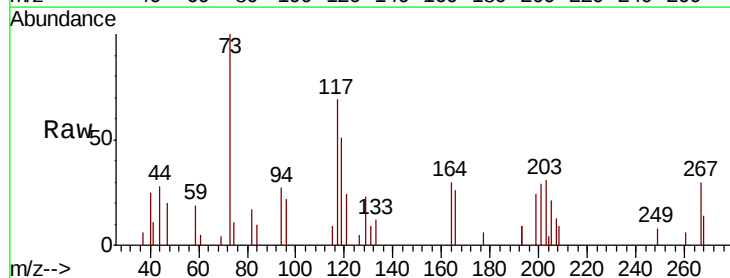
Manual Integrations
APPROVED

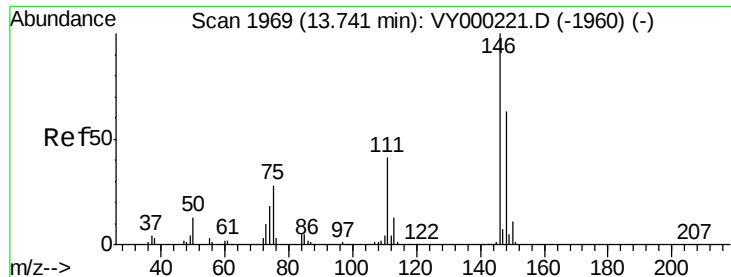
MMDadoda
10/11/2019 8:40:43 AM



#90
Hexachloroethane
Concen: 0.549 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.0	35.5	106.5





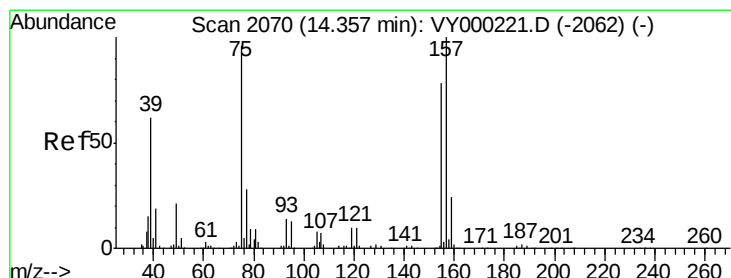
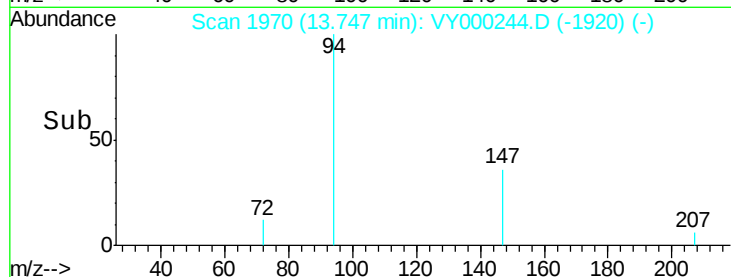
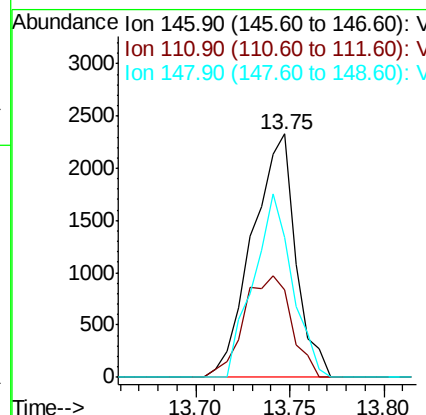
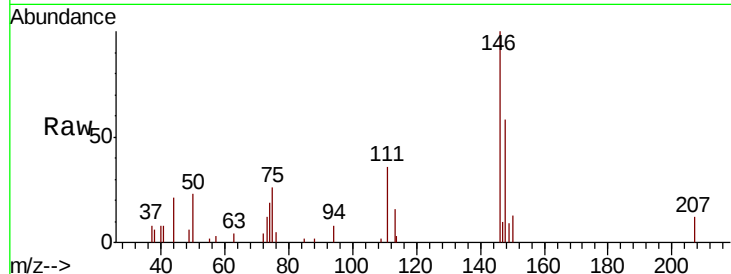
#91
 1,2-Dichlorobenzene
 Concen: 0.525 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	20.9	62.8
148	67.3	31.6	95.0

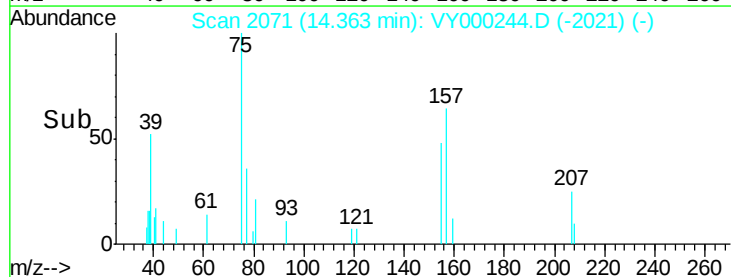
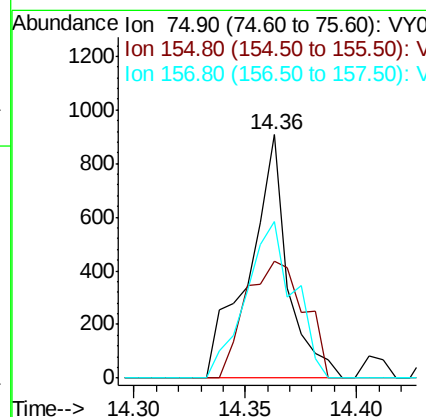
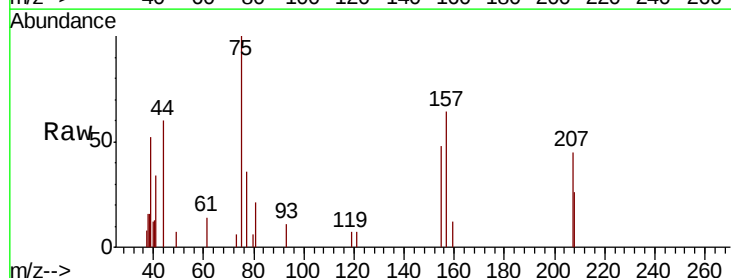
Manual Integrations
 APPROVED

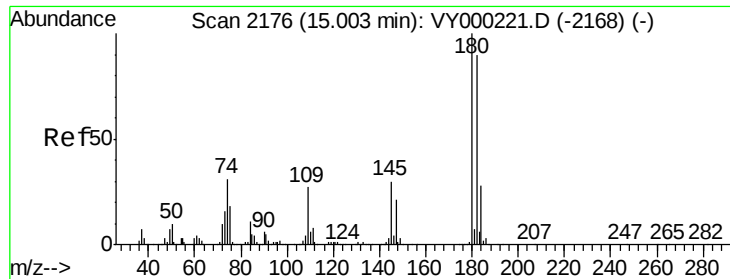
MMDadoda
 10/11/2019 8:40:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.630 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.01 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.1	42.4	127.3
157	78.9	53.8	161.5





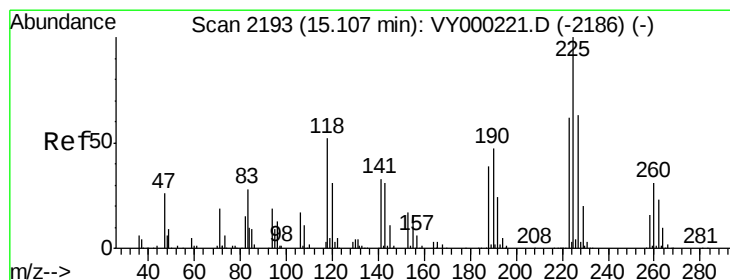
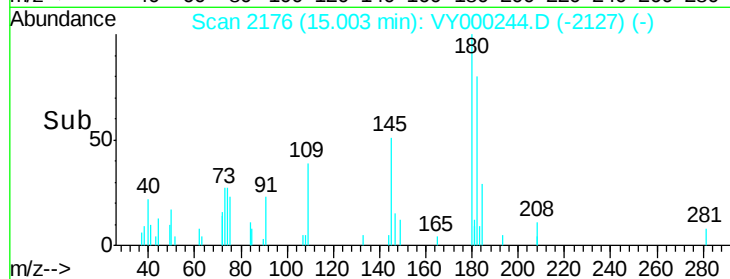
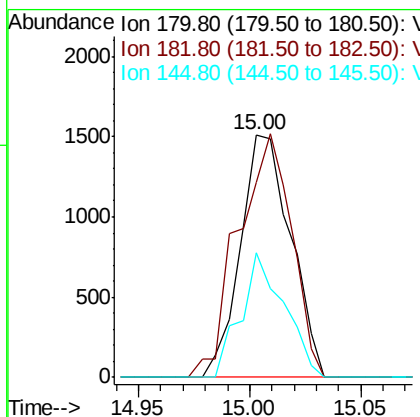
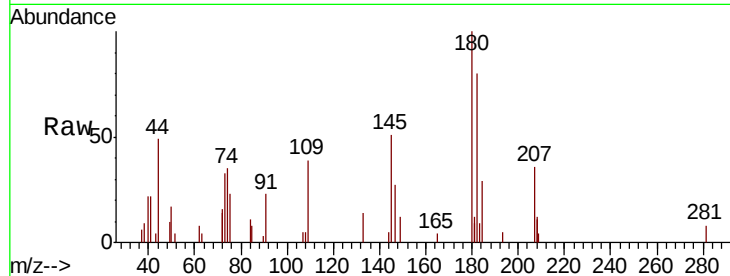
#93
 1,2,4-Trichlorobenzene
 Concen: 0.493 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.5	47.2	141.6
145	44.2	15.3	45.8

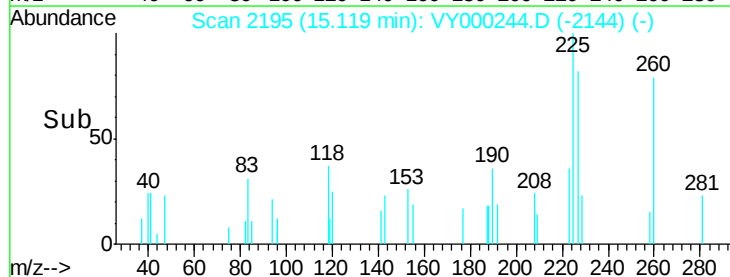
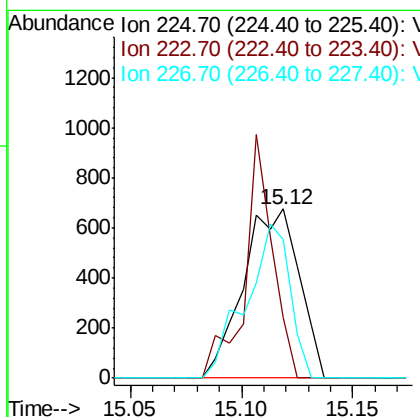
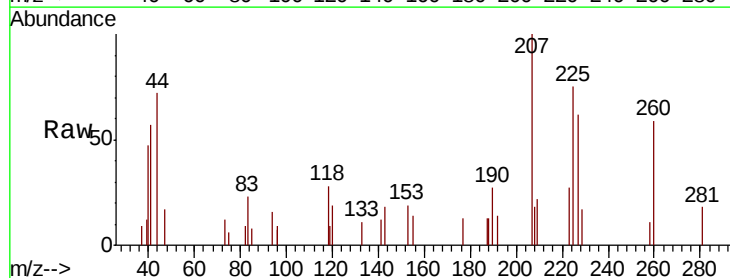
Manual Integrations
 APPROVED

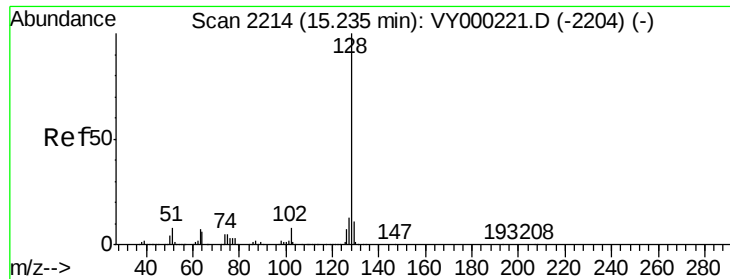
MMDadoda
 10/11/2019 8:40:43 AM



#94
 Hexachlorobutadiene
 Concen: 0.514 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.01 min
 Lab File: VY000244.D
 Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	71.3	31.9	95.5
227	71.7	31.5	94.5





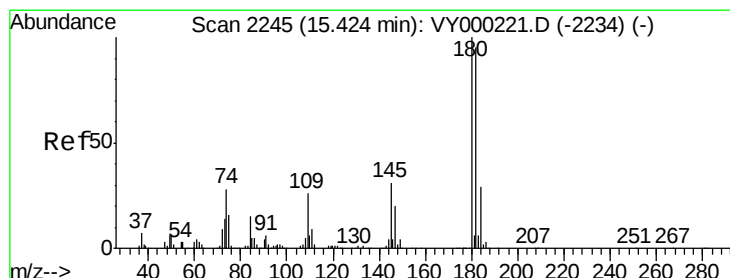
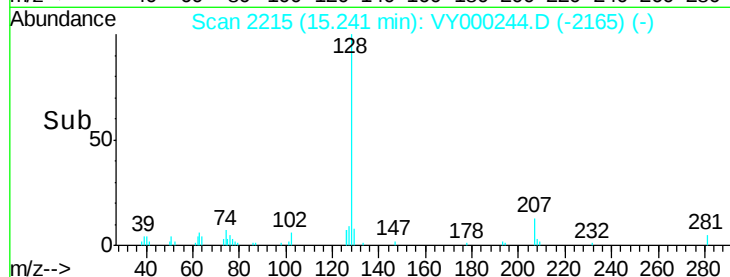
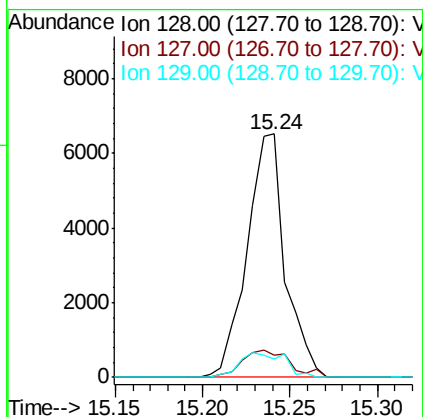
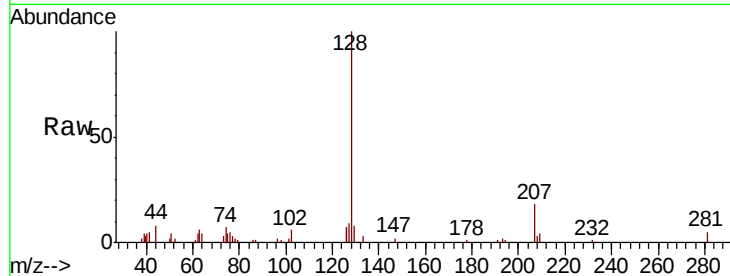
#95
Naphthalene
Concen: 0.547 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.2	15.2
129	12.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 0.609 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000244.D
Acq: 09 Oct 2019 15:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.1	47.9	143.7
145	29.1	16.3	48.9

