

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101019\
 Data File : VY000258.D
 Acq On : 10 Oct 2019 17:07
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:33:43 PM

Quant Time: Oct 11 07:20:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 07:12:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	284341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	476304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	413135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	187244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	185998	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.73	113	148251	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.19	98	551194	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
62) 4-Bromofluorobenzene	12.49	95	187357	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	1275	0.449	ug/l #	67
3) Chloromethane	2.11	50	2266	0.586	ug/l	95
4) Vinyl Chloride	2.25	62	1941	0.486	ug/l	89
5) Bromomethane	2.65	94	1810	0.719	ug/l #	78
6) Chloroethane	2.79	64	1693	0.672	ug/l #	76
7) Trichlorofluoromethane	3.13	101	2366	0.459	ug/l #	78
8) Diethyl Ether	3.54	74	1012	0.429	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.90	101	1373	0.456	ug/l #	66
10) Methyl Iodide	4.10	142	1373	0.309	ug/l #	77
11) Tert butyl alcohol	4.96	59	10379	5.224	ug/l #	91
12) 1,1-Dichloroethene	3.89	96	1753m	0.561	ug/l	
13) Acrolein	3.73	56	2549	2.444	ug/l #	74
14) Allyl chloride	4.48	41	2569	0.488	ug/l	88
15) Acrylonitrile	5.18	53	7986	2.277	ug/l	96
16) Acetone	3.95	43	8859	3.059	ug/l #	86
17) Carbon Disulfide	4.19	76	4840	0.525	ug/l #	91
18) Methyl Acetate	4.50	43	4733	0.596	ug/l #	74
19) Methyl tert-butyl Ether	5.22	73	5381m	0.470	ug/l	
20) Methylene Chloride	4.72	84	2506	0.659	ug/l #	77
21) trans-1,2-Dichloroethene	5.22	96	1705	0.485	ug/l #	66
22) Diisopropyl ether	6.13	45	5867	0.481	ug/l	98
23) Vinyl Acetate	6.08	43	24757	2.240	ug/l #	93
24) 1,1-Dichloroethane	6.04	63	3066	0.493	ug/l #	82
25) 2-Butanone	7.00	43	12911	2.410	ug/l	100
26) 2,2-Dichloropropane	7.00	77	3570m	0.635	ug/l	
27) cis-1,2-Dichloroethene	7.00	96	2141	0.517	ug/l	89
28) Bromochloromethane	7.35	49	1495	0.730	ug/l #	93
29) Tetrahydrofuran	7.37	42	8626	2.279	ug/l	93
30) Chloroform	7.52	83	4009	0.621	ug/l	89
31) Cyclohexane	7.80	56	8541	1.358	ug/l #	13
32) 1,1,1-Trichloroethane	7.71	97	2987	0.544	ug/l #	50
36) 1,1-Dichloropropene	7.92	75	2962	0.611	ug/l	89
37) Ethyl Acetate	7.10	43	4014	0.458	ug/l #	93
38) Carbon Tetrachloride	7.90	117	2082	0.441	ug/l #	94

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

39) Methylcyclohexane	9.19	83	2289	0.376	ug/l #	88
40) Benzene	8.17	78	6579	0.448	ug/l	94
41) Methacrylonitrile	7.35	41	3228m	0.468	ug/l	
42) 1,2-Dichloroethane	8.25	62	2952	0.618	ug/l	92
43) Isopropyl Acetate	8.28	43	5456	0.484	ug/l #	87
44) Trichloroethene	8.95	130	2064	0.518	ug/l	74
45) 1,2-Dichloropropane	9.22	63	1934	0.525	ug/l	97
46) Dibromomethane	9.31	93	1449	0.561	ug/l	98
47) Bromodichloromethane	9.50	83	2600	0.515	ug/l	89
48) Methyl methacrylate	9.30	41	2559	0.503	ug/l #	82
49) 1,4-Dioxane	9.30	88	1535	11.748	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	18231	2.151	ug/l	99
52) Toluene	10.25	92	4427	0.469	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	2848	0.497	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	2957	0.477	ug/l #	81
55) 1,1,2-Trichloroethane	10.65	97	1748	0.470	ug/l #	87
56) Ethyl methacrylate	10.51	69	2524	0.386	ug/l #	79
57) 1,3-Dichloropropane	10.80	76	3252	0.512	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.79	63	7578	2.597	ug/l	90
59) 2-Hexanone	10.83	43	15139	2.108	ug/l	96
60) Dibromochloromethane	10.99	129	1775	0.452	ug/l	91
61) 1,2-Dibromoethane	11.10	107	1994	0.505	ug/l	93
64) Tetrachloroethene	10.72	164	2346	0.621	ug/l #	66
65) Chlorobenzene	11.52	112	5200	0.543	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.60	131	1956	0.571	ug/l #	55
67) Ethyl Benzene	11.60	91	8167	0.477	ug/l	95
68) m/p-Xylenes	11.70	106	5546	0.849	ug/l	93
69) o-Xylene	12.02	106	2523	0.401	ug/l	65
70) Styrene	12.05	104	5246	0.484	ug/l	97
71) Bromoform	12.20	173	1315	0.466	ug/l #	96
73) Isopropylbenzene	12.33	105	6712	0.423	ug/l	89
74) N-amyl acetate	12.15	43	2944	0.390	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.58	83	2599	0.480	ug/l	86
76) 1,2,3-Trichloropropane	12.64	75	2919m	0.590	ug/l	
77) Bromobenzene	12.61	156	1806	0.485	ug/l	81
78) n-propylbenzene	12.67	91	8695	0.469	ug/l	98
79) 2-Chlorotoluene	12.75	91	5114	0.479	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	6099	0.461	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.39	75	945m	0.394	ug/l	
82) 4-Chlorotoluene	12.85	91	5084	0.470	ug/l	95
83) tert-Butylbenzene	13.08	119	4553	0.396	ug/l	85
84) 1,2,4-Trimethylbenzene	13.12	105	5966	0.451	ug/l	96
85) sec-Butylbenzene	13.25	105	6747	0.425	ug/l	97
86) p-Isopropyltoluene	13.38	119	5713	0.410	ug/l	91
87) 1,3-Dichlorobenzene	13.37	146	3466	0.514	ug/l	90
88) 1,4-Dichlorobenzene	13.45	146	4170m	0.594	ug/l	
89) n-Butylbenzene	13.70	91	5360	0.408	ug/l	96
90) Hexachloroethane	13.96	117	1209	0.458	ug/l	91
91) 1,2-Dichlorobenzene	13.74	146	3499	0.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1106	0.654	ug/l	85

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0.5PPBMDL

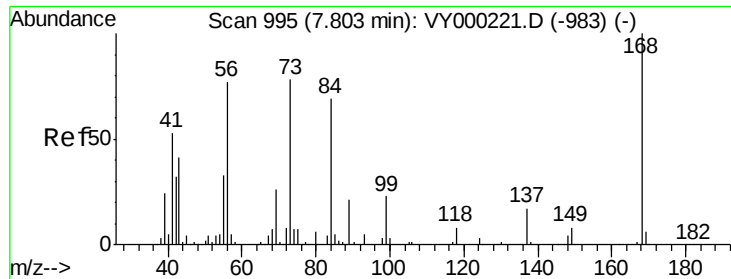
Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:43 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	2766	0.597	ug/l	87
94) Hexachlorobutadiene	15.11	225	1005	0.454	ug/l	96
95) Naphthalene	15.23	128	9322	0.535	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.43	180	2378	0.533	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:168 Resp: 284341

Ion Ratio Lower Upper

168 100

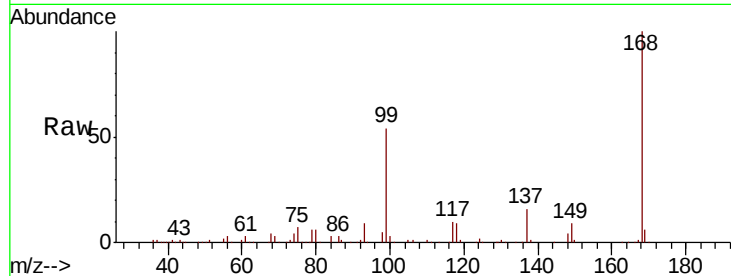
99 54.5 45.0 67.6

Manual Integrations

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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

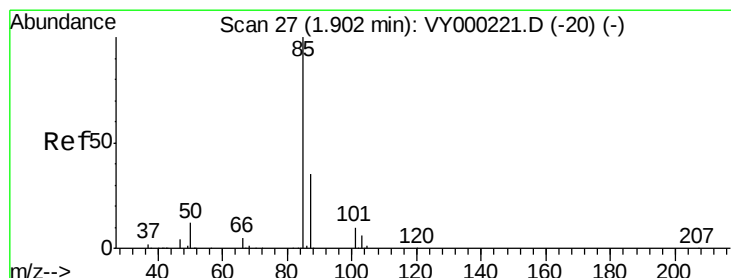
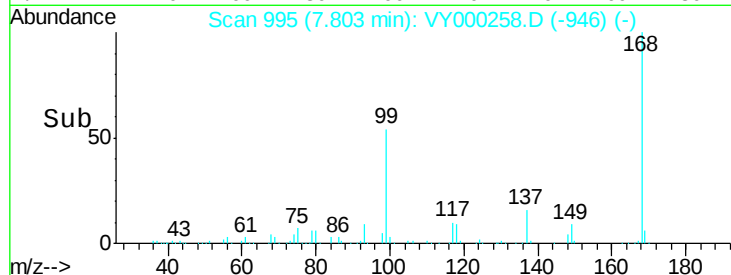
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.449 ug/l

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000258.D

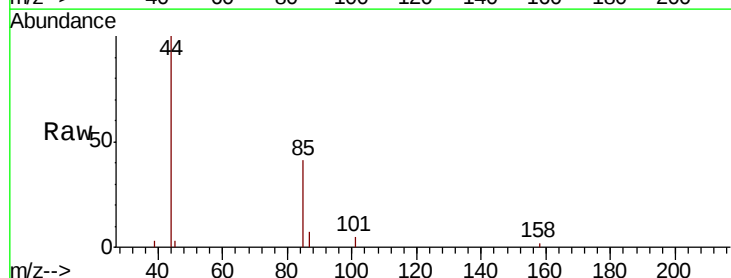
Acq: 10 Oct 2019 17:07

Tgt Ion: 85 Resp: 1275

Ion Ratio Lower Upper

85 100

87 15.9 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) (-)

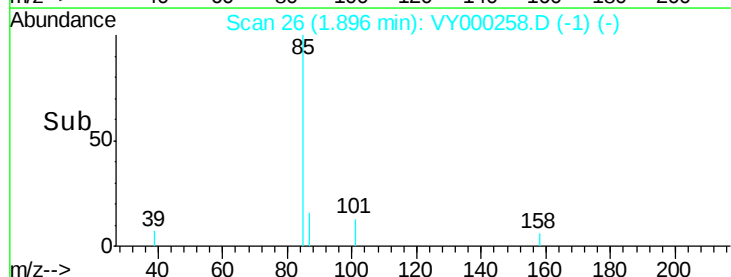
1.90

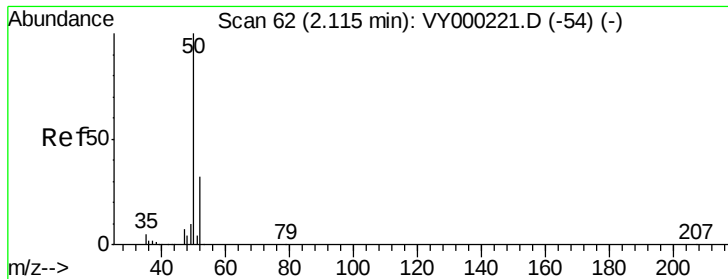
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.586 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 50 Resp: 2266

Ion Ratio Lower Upper

50 100

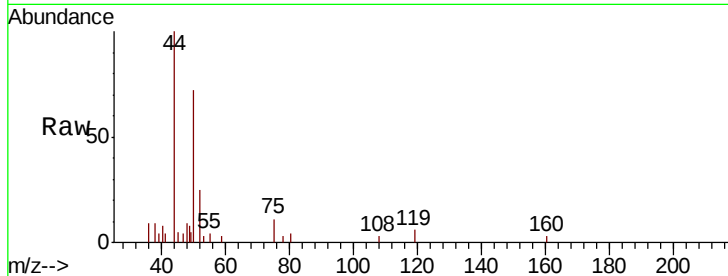
52 34.3 25.4 38.0

Manual Integrations

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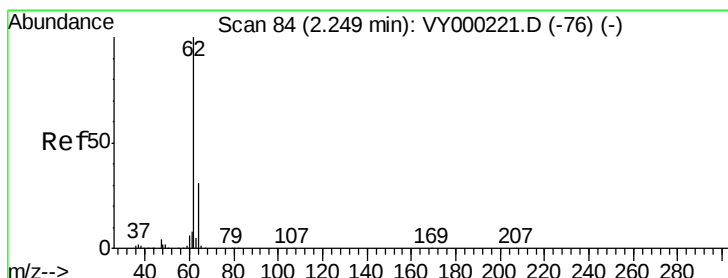
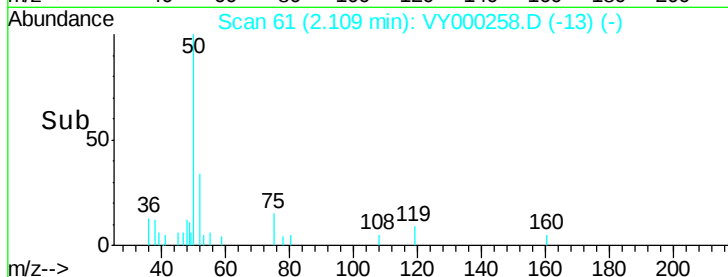
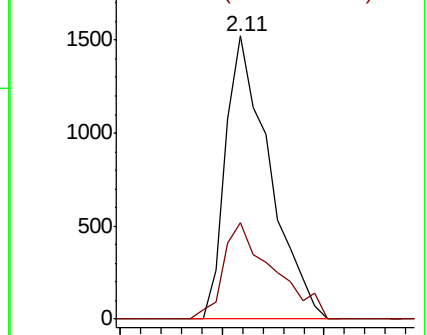
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 0.486 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000258.D

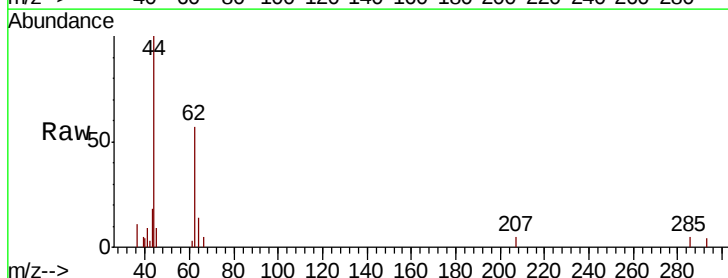
Acq: 10 Oct 2019 17:07

Tgt Ion: 62 Resp: 1941

Ion Ratio Lower Upper

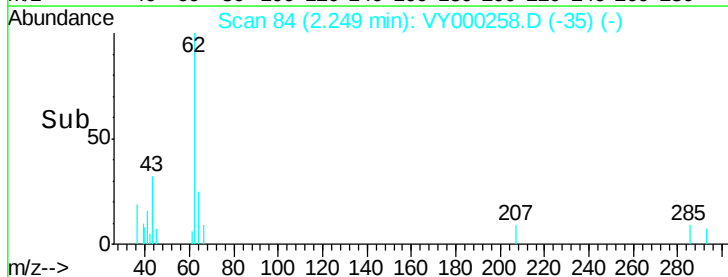
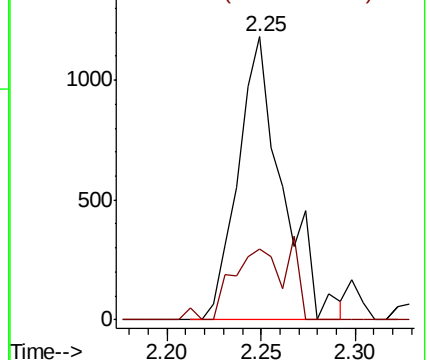
62 100

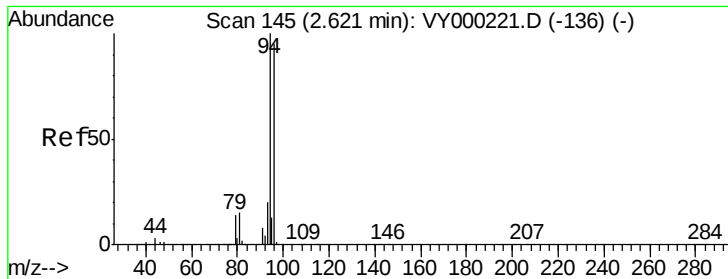
64 25.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 0.719 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.03 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 94 Resp: 1810

Ion Ratio Lower Upper

94 100

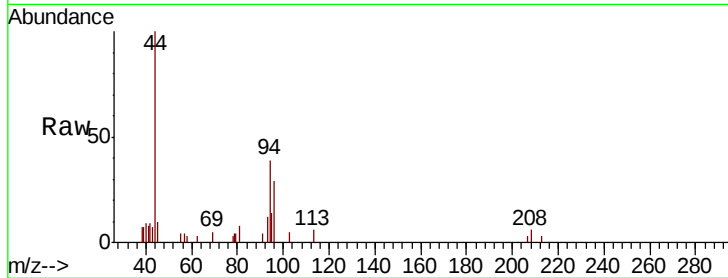
96 73.8 75.7 113.5#

Manual Integrations

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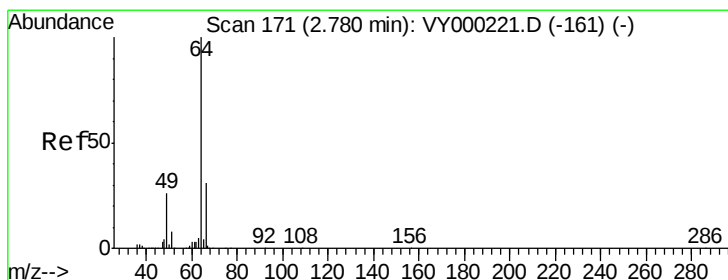
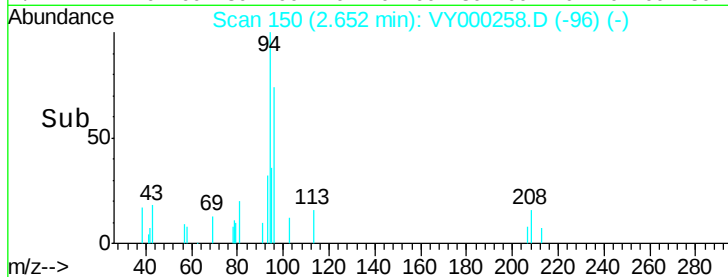
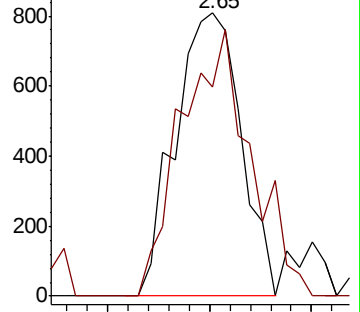
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 0.672 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.01 min

Lab File: VY000258.D

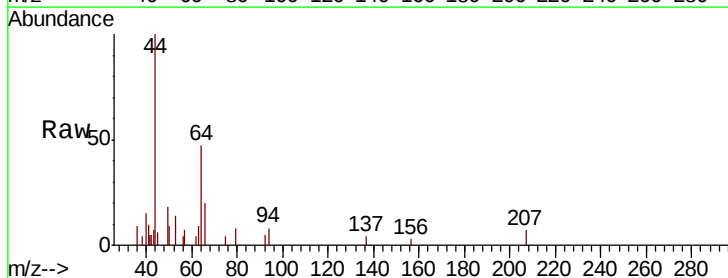
Acq: 10 Oct 2019 17:07

Tgt Ion: 64 Resp: 1693

Ion Ratio Lower Upper

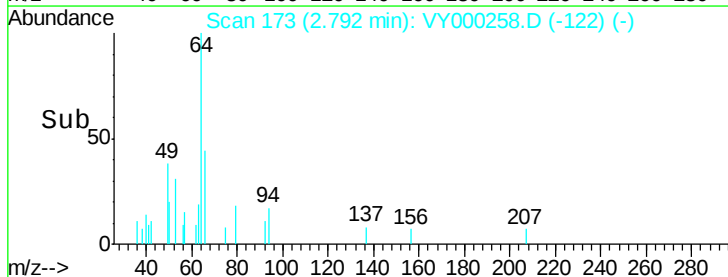
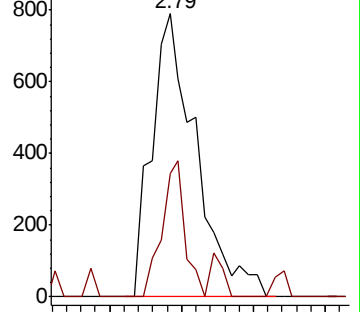
64 100

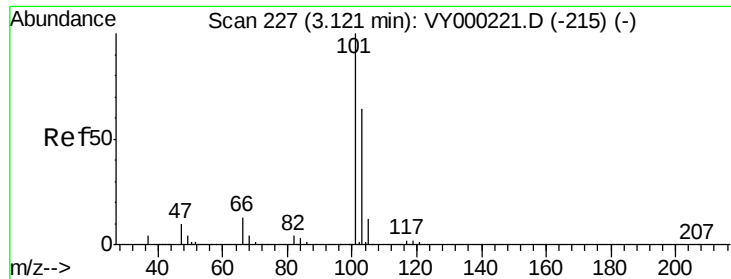
66 43.5 24.5 36.7#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

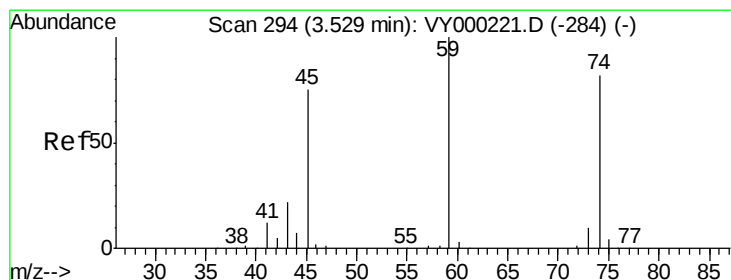
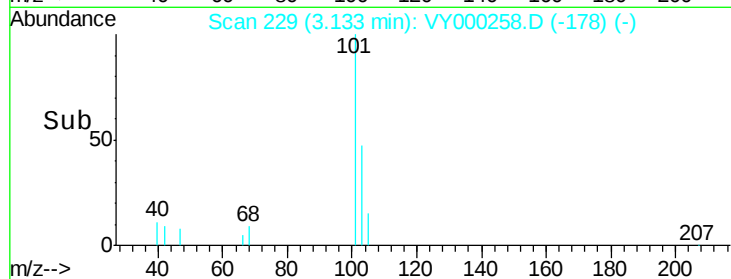
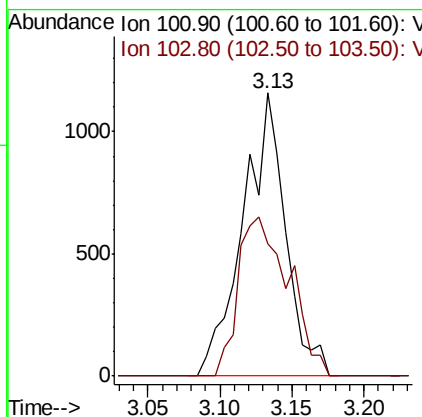
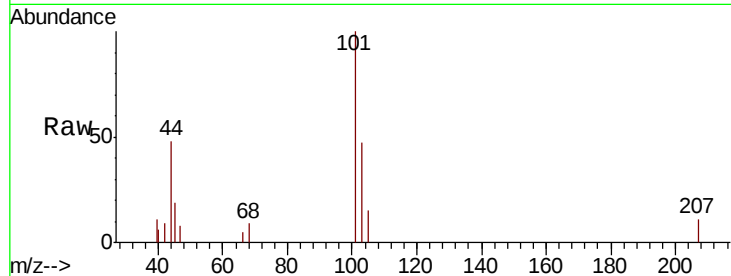
Trichlorofluoromethane
Concen: 0.459 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

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ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
101	100		
103	46.6	51.0	76.6#

Manual Integrations
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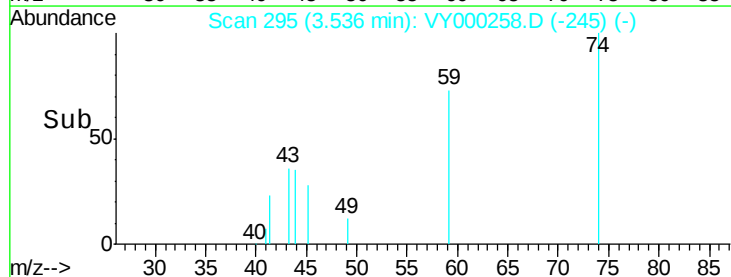
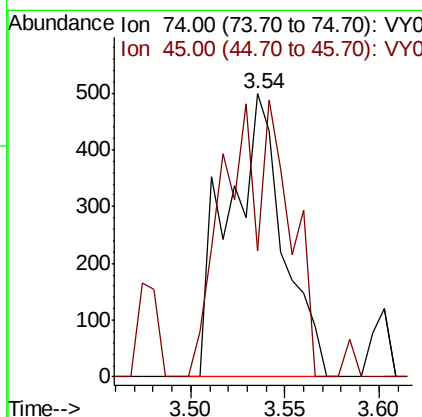
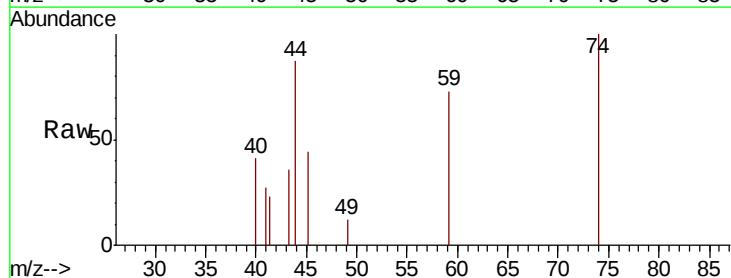
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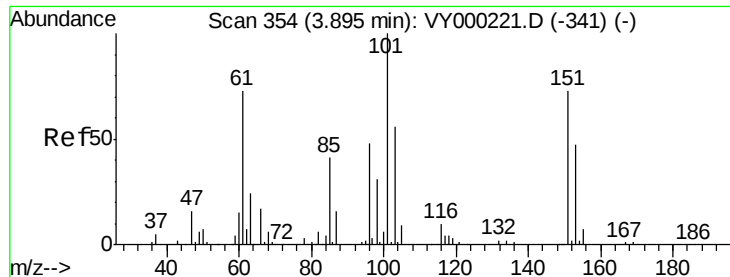


#8

Diethyl Ether
Concen: 0.429 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	62.0	45.8	137.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.456 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

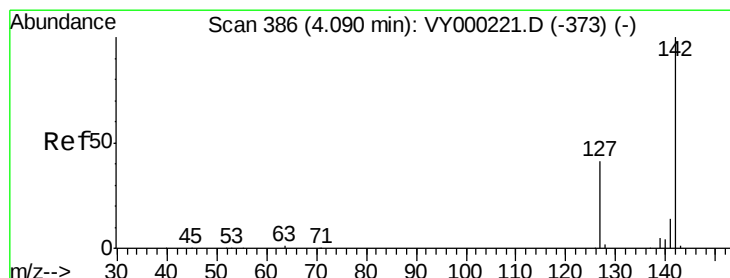
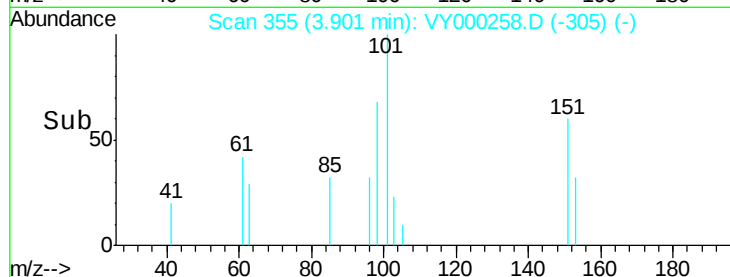
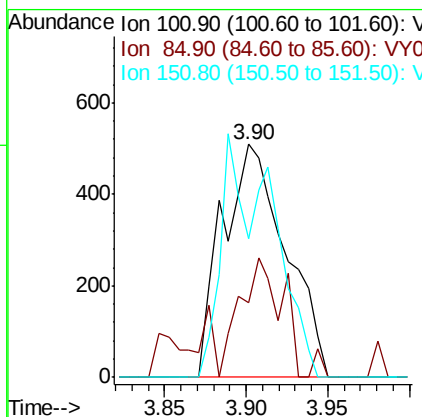
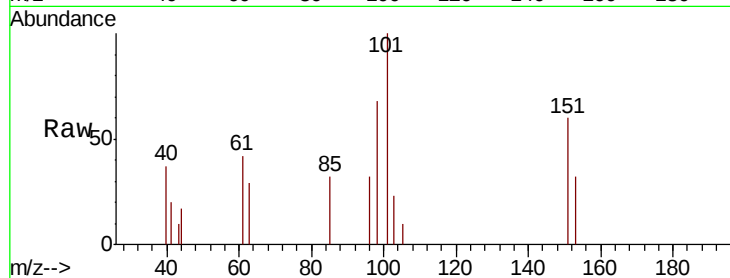
ClientSampleId :

0.5PPBMDL

Tot Ion:	101	Resp:	1373
Ion Ratio	Lower	Upper	
101	100		
85	33.6	37.0	55.6#
151	41.2	63.0	94.4#

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#10

Methyl Iodide

Concen: 0.309 ug/l

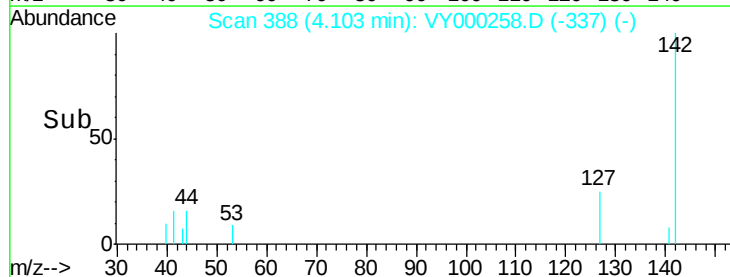
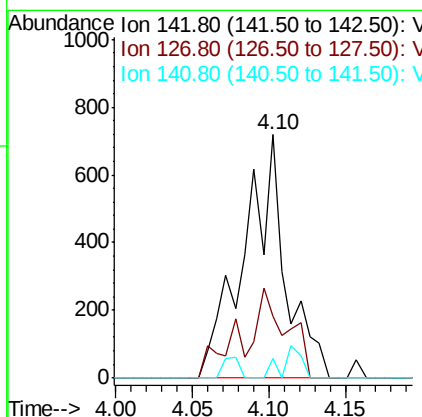
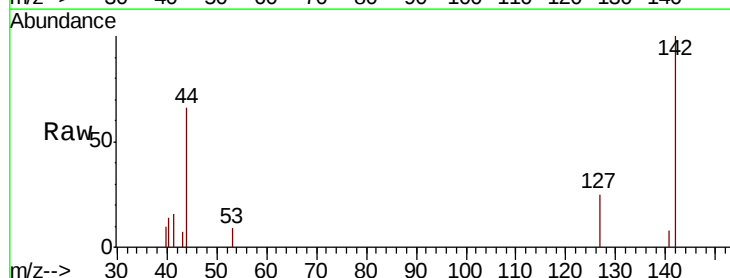
RT: 4.10 min Scan# 388

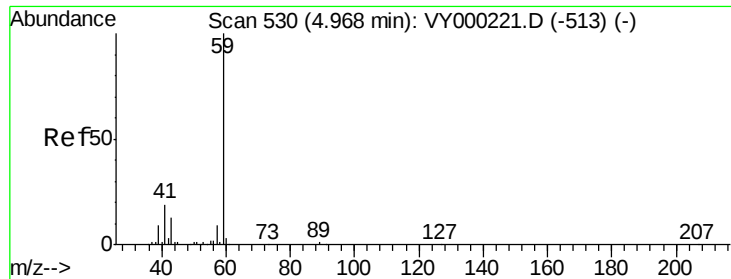
Delta R.T. 0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion:	142	Resp:	1373
Ion Ratio	Lower	Upper	
142	100		
127	26.3	33.0	49.6#
141	5.8	11.0	16.4#





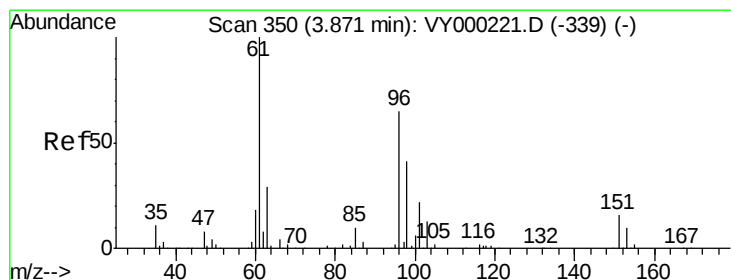
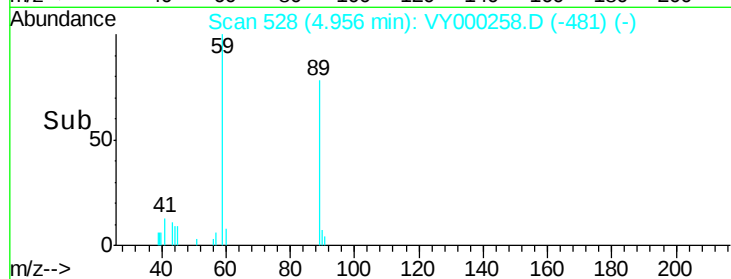
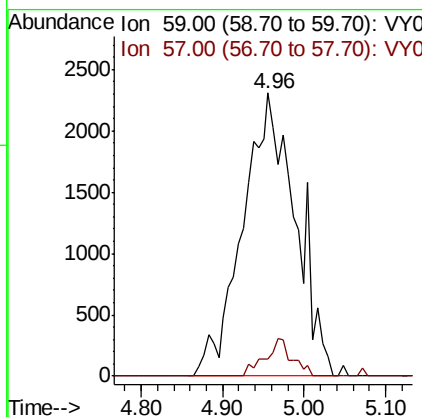
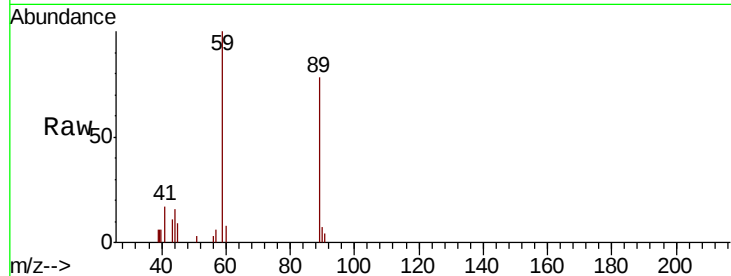
#11
Tert butyl alcohol
Concen: 5.224 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
59	100	10379		
57	6.6	8.0	12.0#	

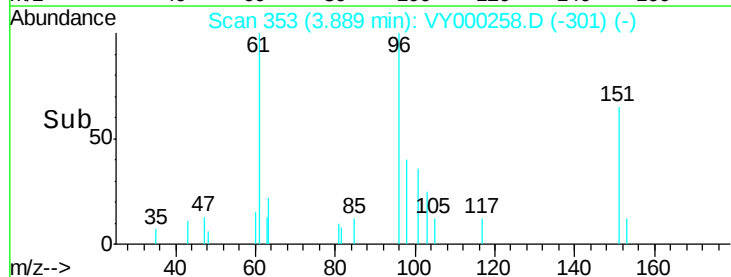
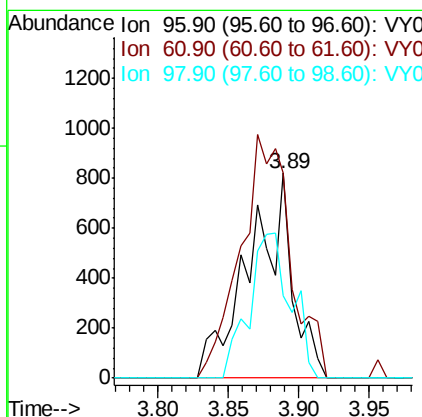
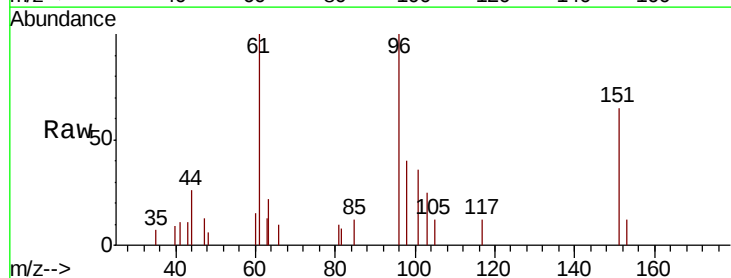
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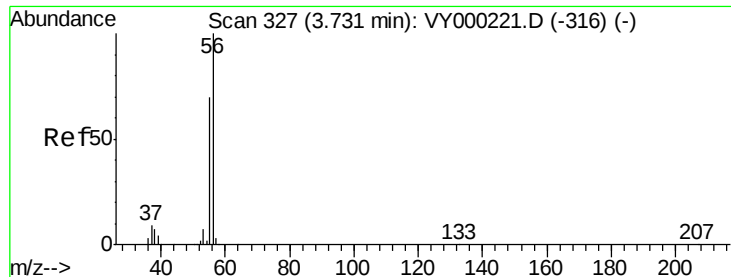
MMDadoda
10/14/2019 1:33:43 PM



#12
1,1-Dichloroethene
Concen: 0.561 ug/l m
RT: 3.89 min Scan# 353
Delta R.T. 0.02 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	1753		
61	100.0	123.8	185.8#	
98	40.1	50.9	76.3#	





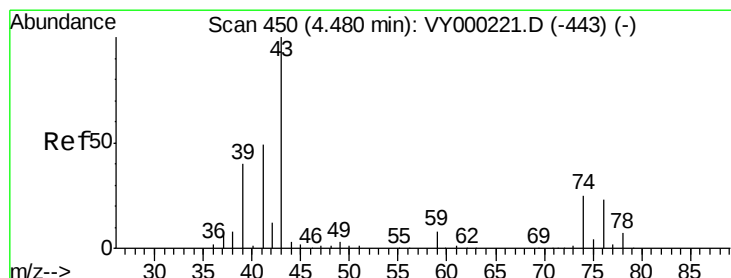
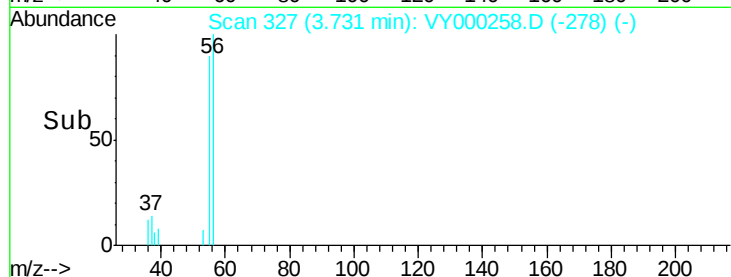
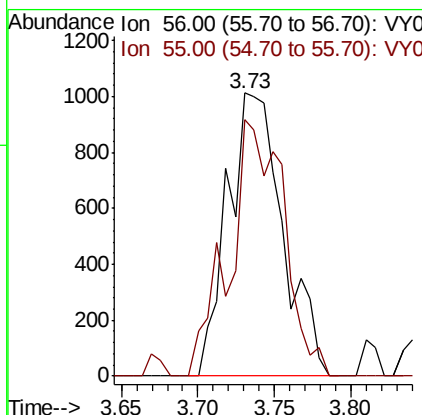
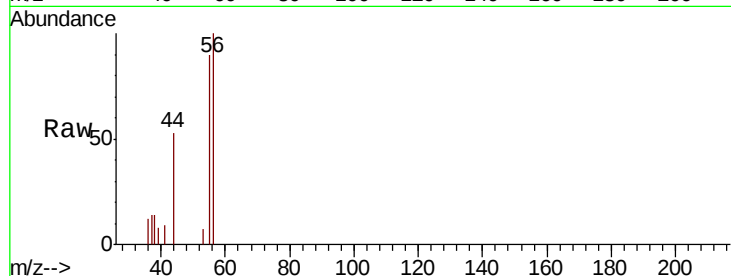
#13
Acrolein
Concen: 2.444 ug/l
RT: 3.73 min Scan# 327
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
56	100		
55	90.0	55.2	82.8#

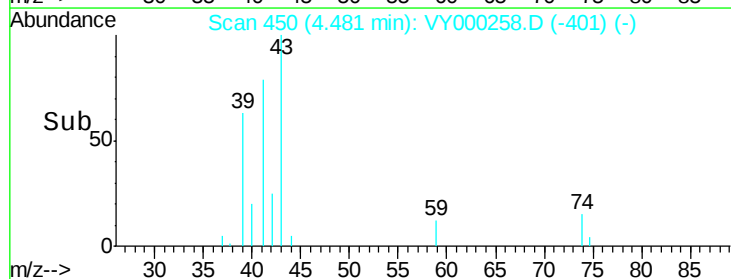
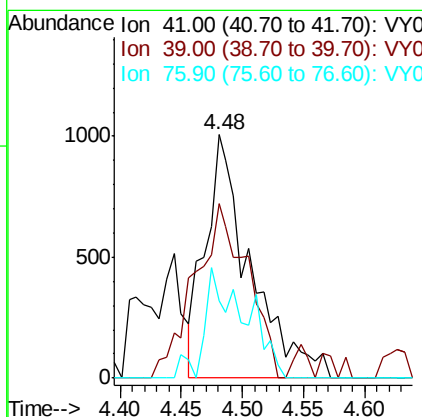
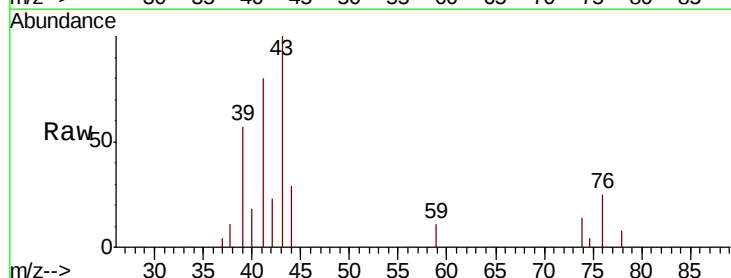
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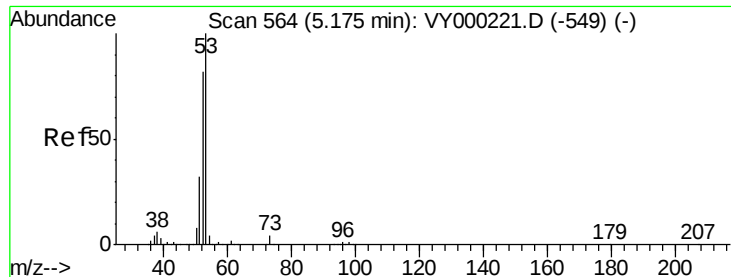
MMDadoda
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#14
Allyl chloride
Concen: 0.488 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
41	100		
39	84.3	56.4	84.6
76	41.0	30.8	46.2





#15

Acrylonitrile

Concen: 2.277 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

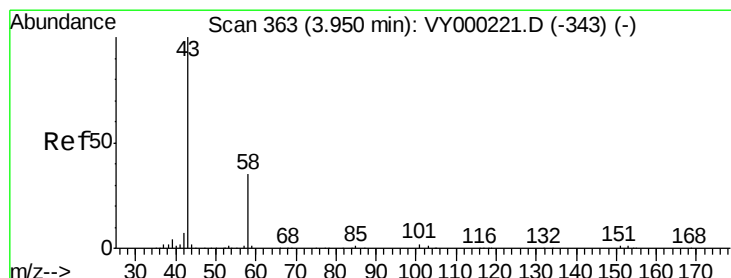
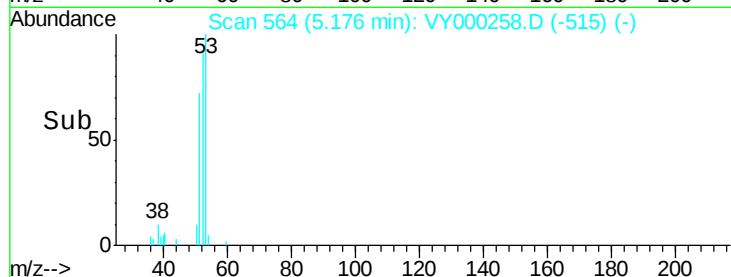
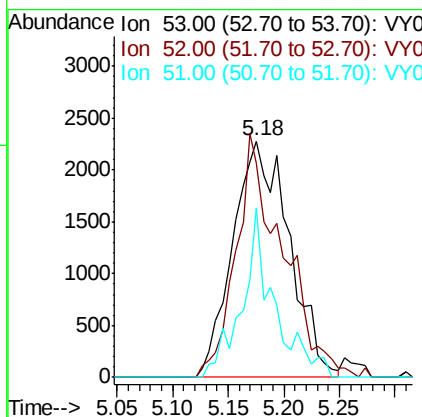
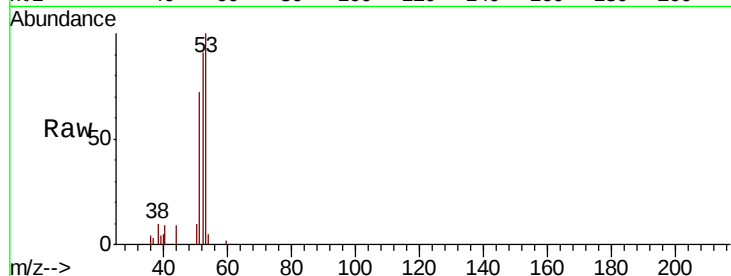
ClientSampleId :

0.5PPBMDL

Tot Ion:	53	Resp:	7986
Ion	Ratio	Lower	Upper
53	100		
52	85.7	65.4	98.2
51	35.4	27.2	40.8

Manual Integrations
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#16

Acetone

Concen: 3.059 ug/l

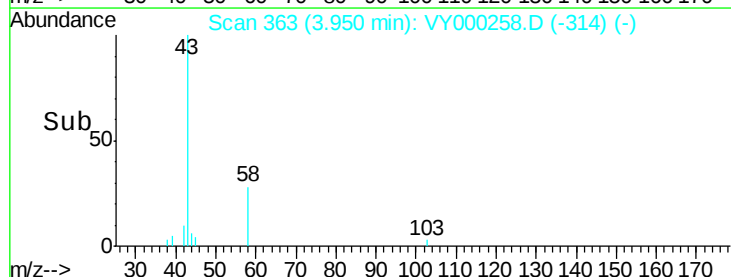
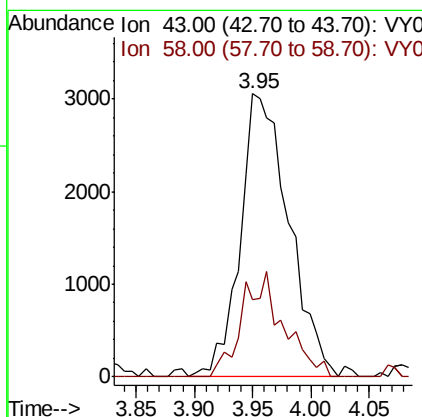
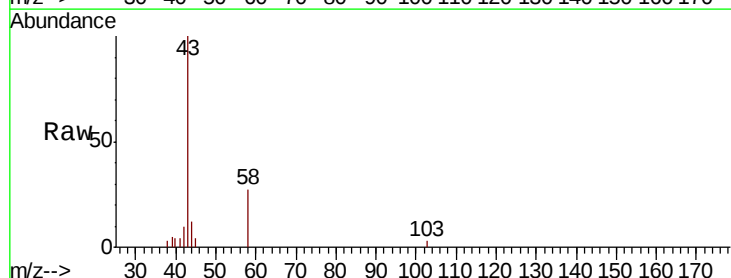
RT: 3.95 min Scan# 363

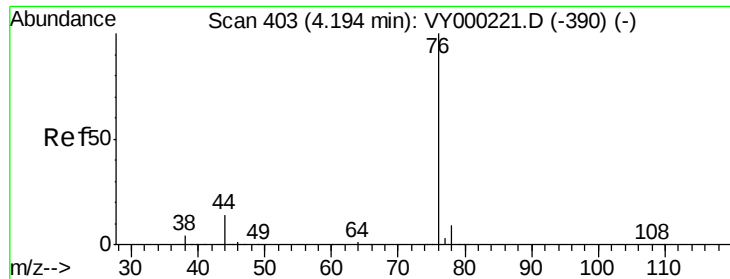
Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion:	43	Resp:	8859
Ion	Ratio	Lower	Upper
43	100		
58	27.3	28.2	42.4#





#17

Carbon Disulfide

Concen: 0.525 ug/l

RT: 4.19 min Scan# 402

Delta R.T. -0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 76 Resp: 4840

Ion Ratio Lower Upper

76 100

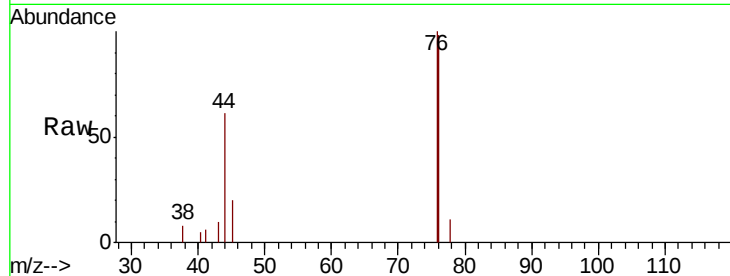
78 5.4 7.0 10.6#

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

2500

2000

1500

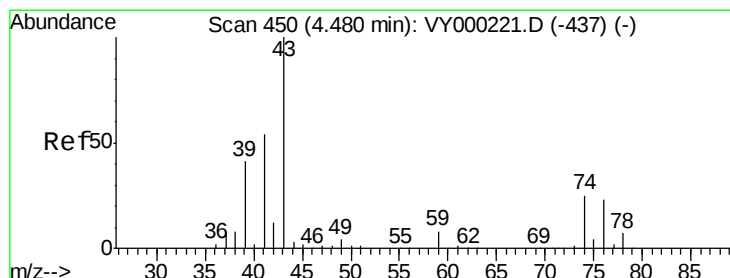
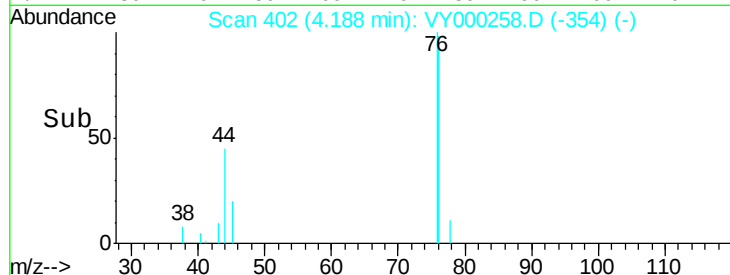
1000

500

0

4.10 4.15 4.20 4.25 4.30

Time-->



#18

Methyl Acetate

Concen: 0.596 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.02 min

Lab File: VY000258.D

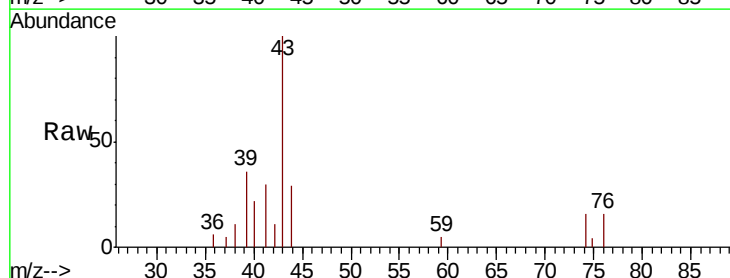
Acq: 10 Oct 2019 17:07

Tgt Ion: 43 Resp: 4733

Ion Ratio Lower Upper

43 100

74 11.2 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

1500

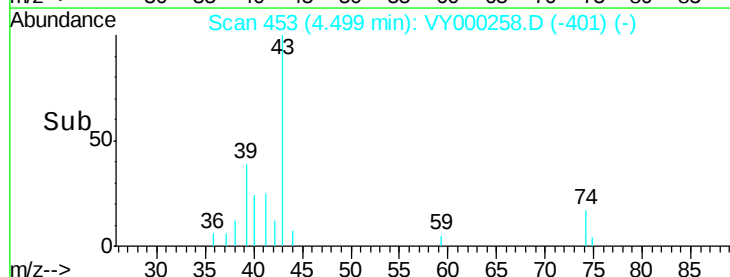
1000

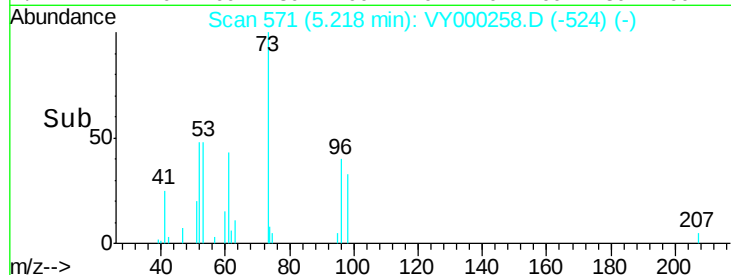
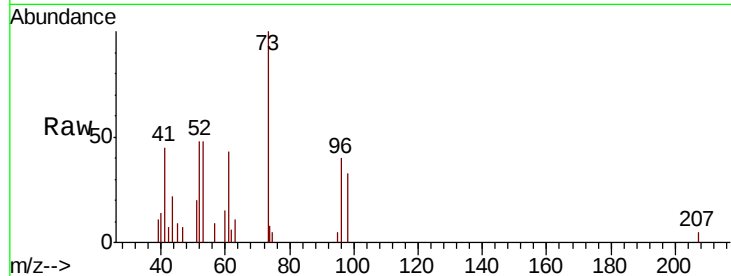
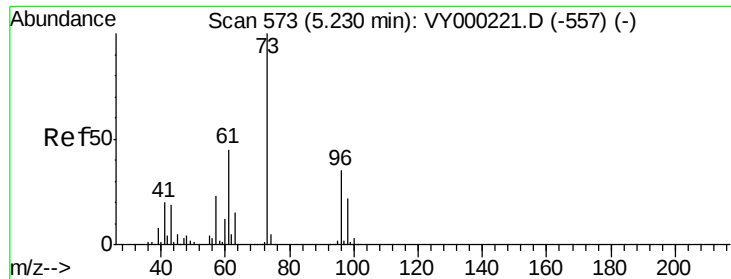
500

0

4.40 4.50 4.60

Time-->





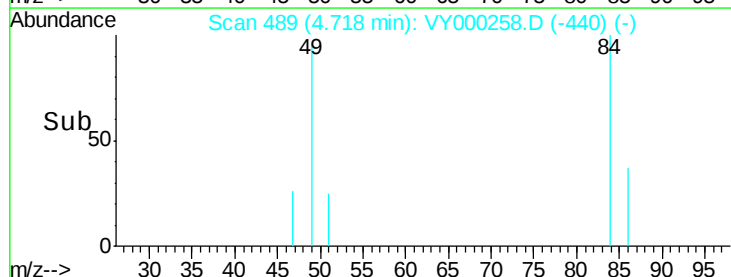
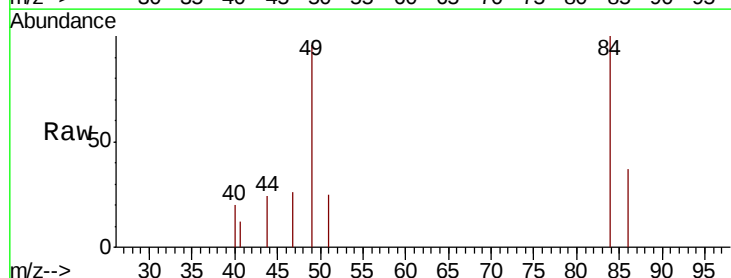
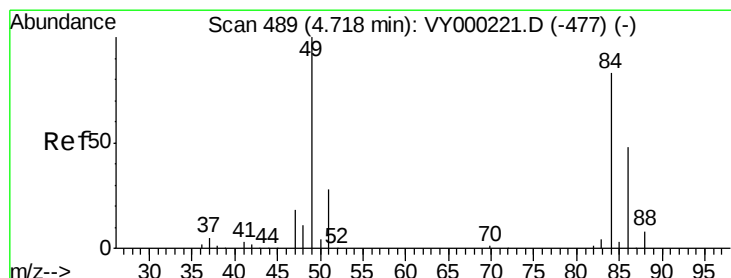
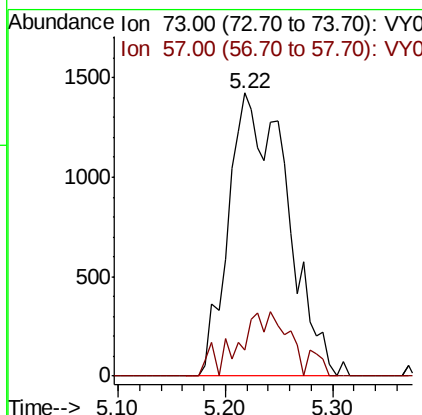
#19
Methvl tert-butvl Ether
Concen: 0.470 ug/l m
RT: 5.22 min Scan# 571
Delta R.T. -0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tot Ion: 73 Resp: 5381
Ion Ratio Lower Upper
73 100
57 9.3 18.4 27.6#

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

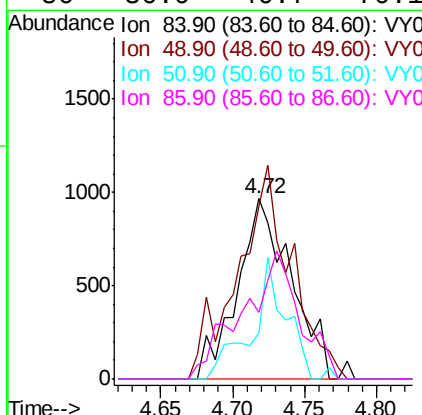
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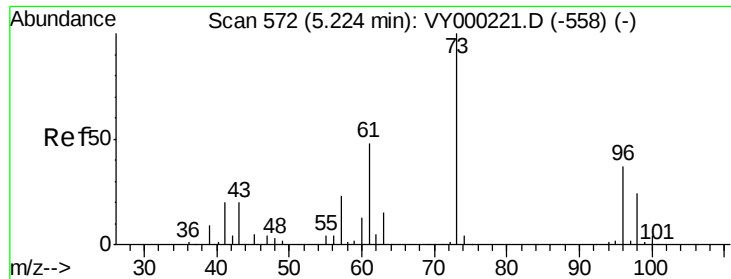
MMDadoda
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#20
Methylene Chloride
Concen: 0.659 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion: 84 Resp: 2506
Ion Ratio Lower Upper
84 100
49 95.6 96.2 144.2#
51 25.3 26.6 39.8#
86 36.9 46.7 70.1#





#21

trans-1,2-Dichloroethene

Concen: 0.485 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

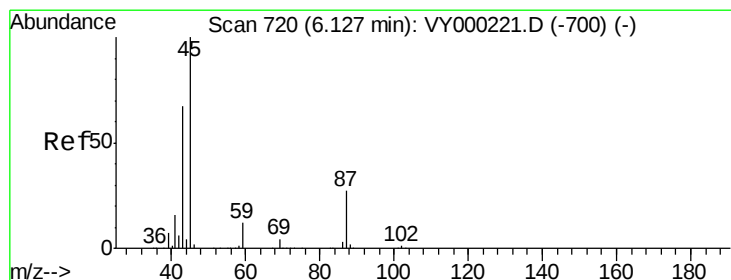
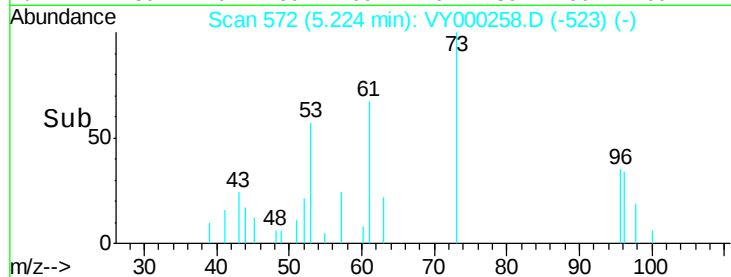
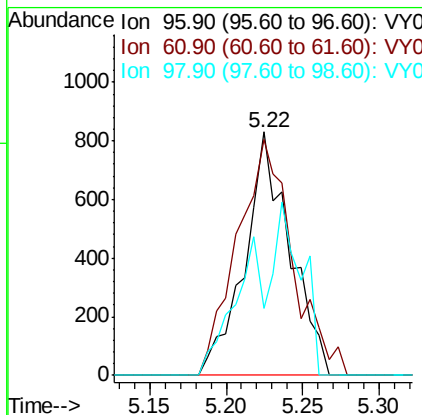
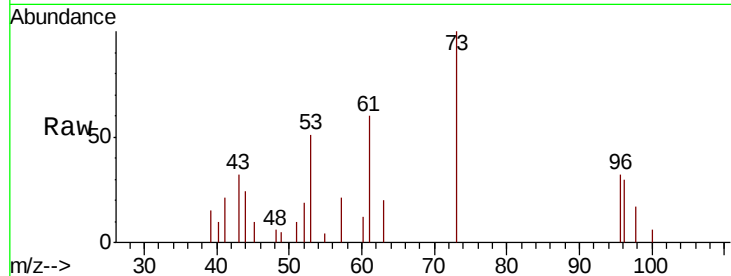
ClientSampleId :

0.5PPBMDL

Tot Ion:	96	Resp:	1705
Ion	Ratio	Lower	Upper
96	100		
61	97.0	104.2	156.2#
98	27.7	51.0	76.6#

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.481 ug/l

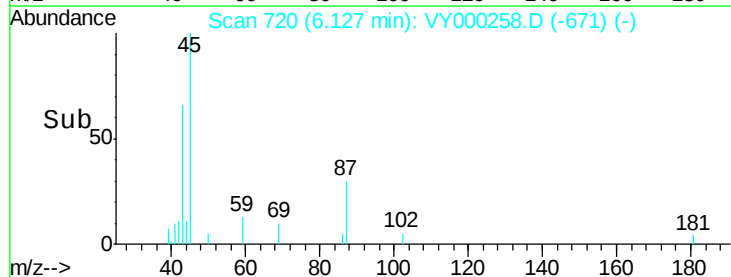
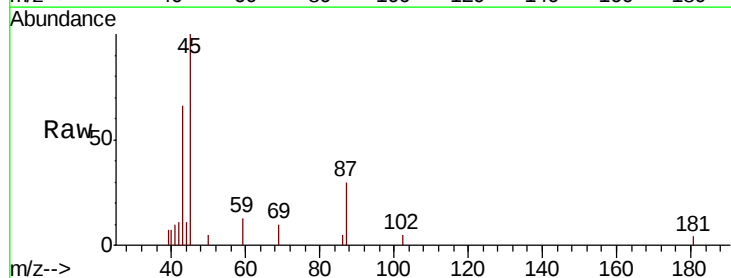
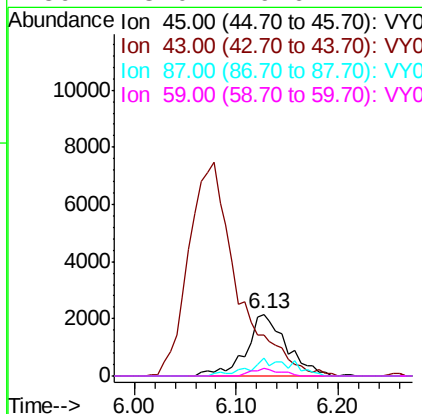
RT: 6.13 min Scan# 720

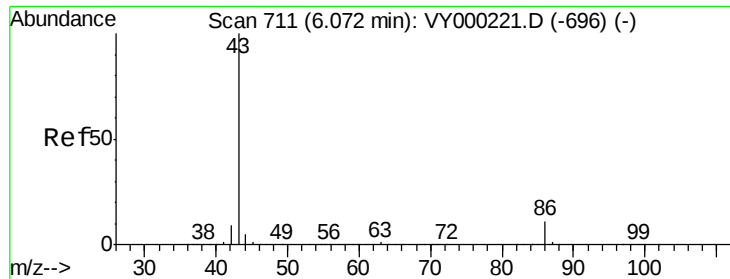
Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion:	45	Resp:	5867
Ion	Ratio	Lower	Upper
45	100		
43	66.4	53.4	80.2
87	30.2	21.7	32.5
59	13.0	9.6	14.4





#23

Vinyl Acetate

Concen: 2.240 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 24757

Ion Ratio Lower Upper

43 100

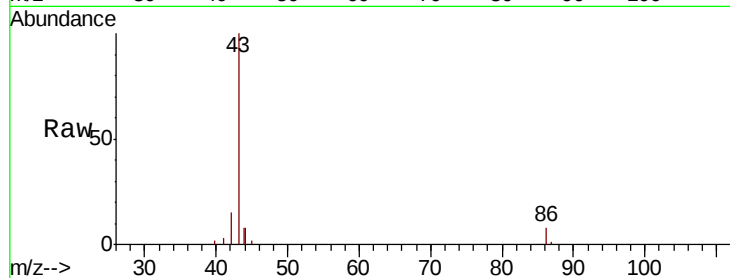
86 8.0 8.5 12.7#

Manual Integrations

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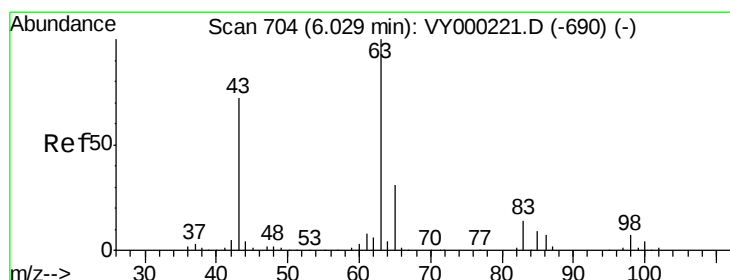
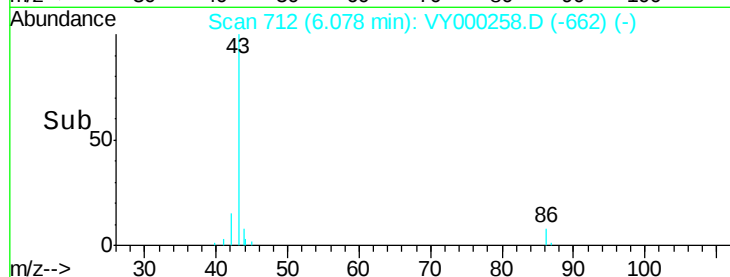
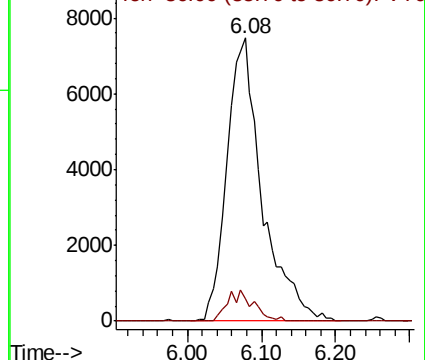
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 0.493 ug/l

RT: 6.04 min Scan# 706

Delta R.T. 0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

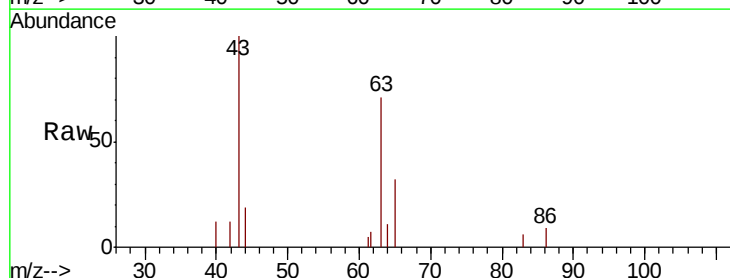
Tgt Ion: 63 Resp: 3066

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.6#

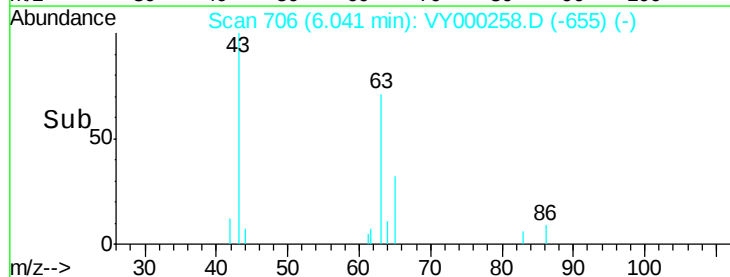
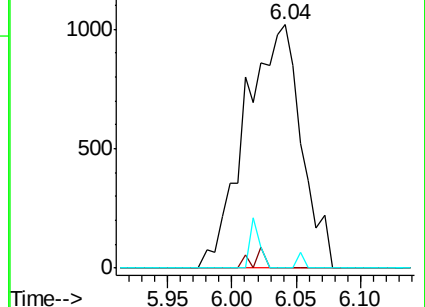
100 0.0 2.1 6.5#

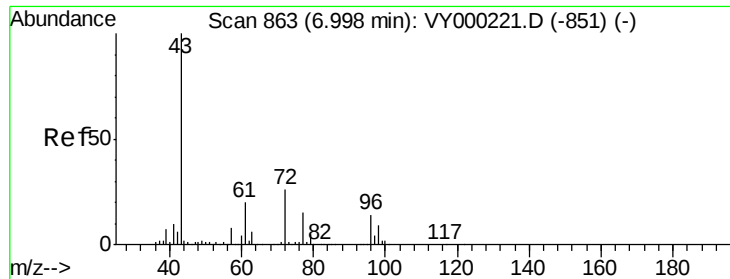


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 2.410 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 12911

Ion Ratio Lower Upper

43 100

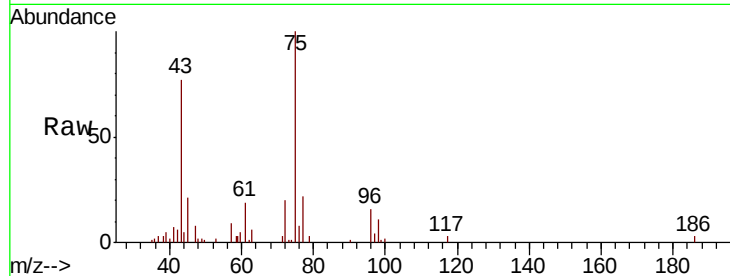
72 25.6 20.6 31.0

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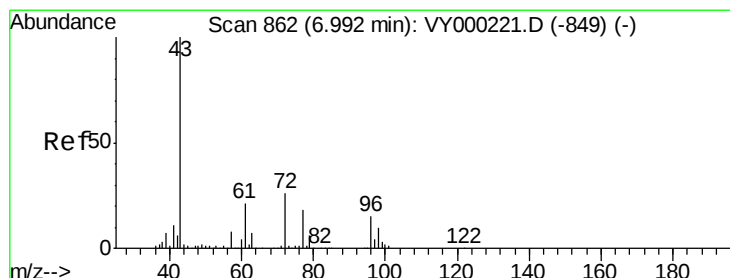
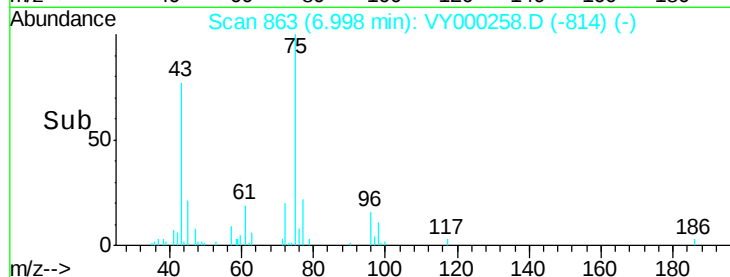
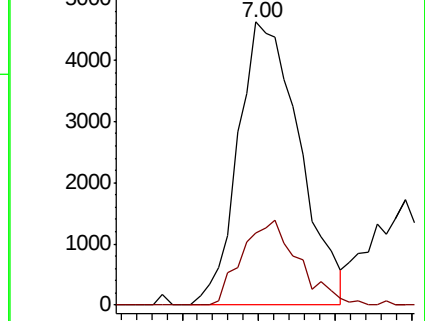
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 0.635 ug/l m

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000258.D

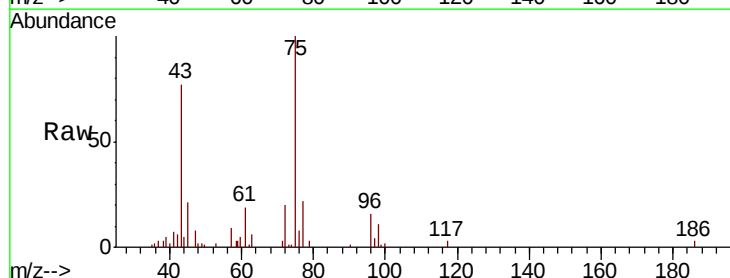
Acq: 10 Oct 2019 17:07

Tgt Ion: 77 Resp: 3570

Ion Ratio Lower Upper

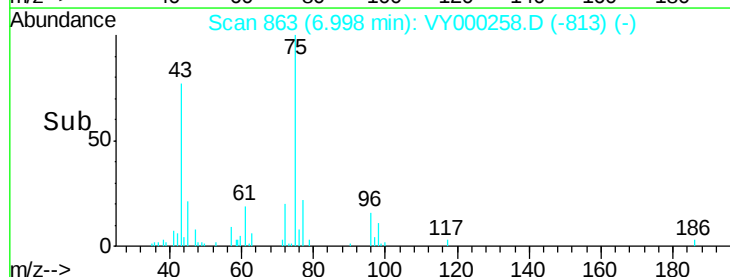
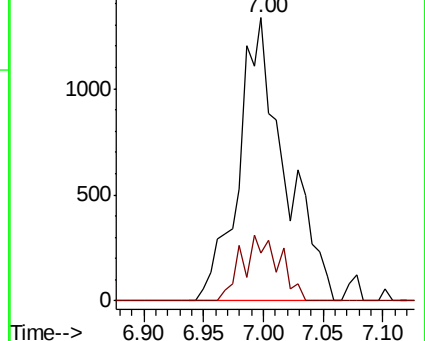
77 100

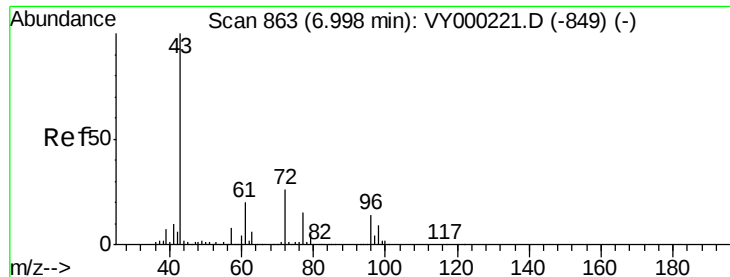
97 19.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

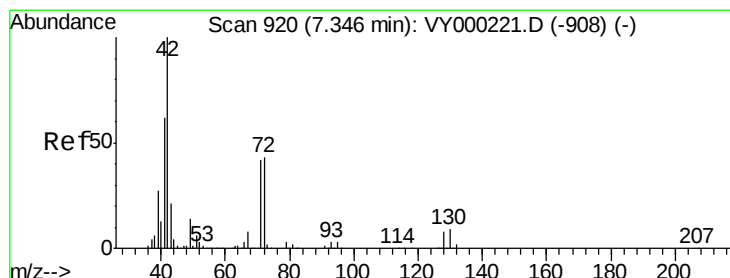
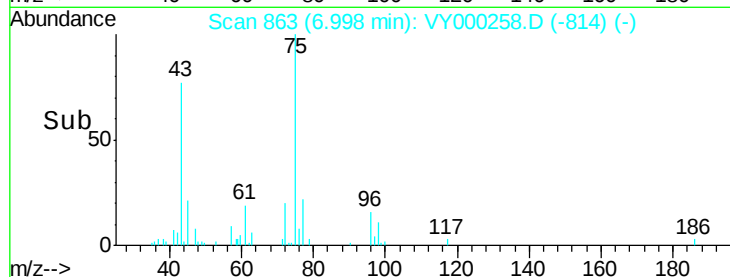
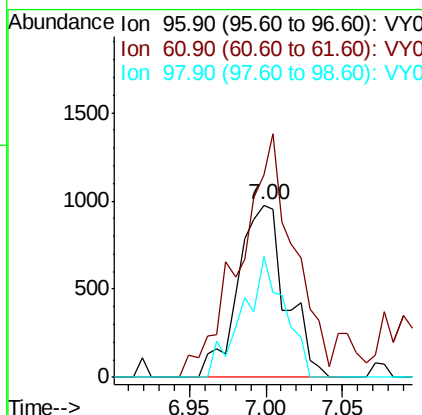
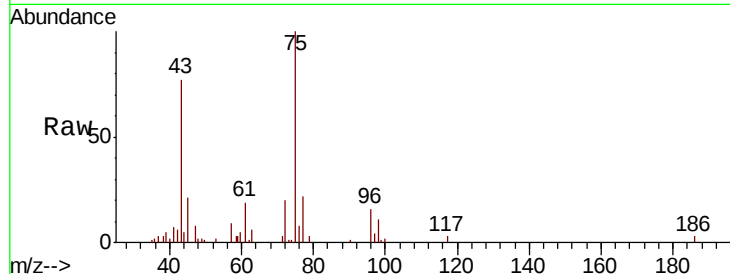
cis-1,2-Dichloroethene
Concen: 0.517 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	282.6
98	61.1	0.0	129.8

Manual Integrations
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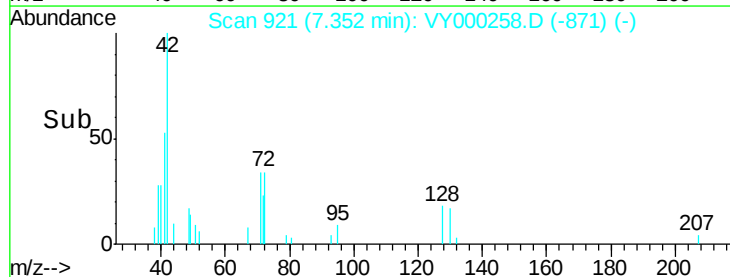
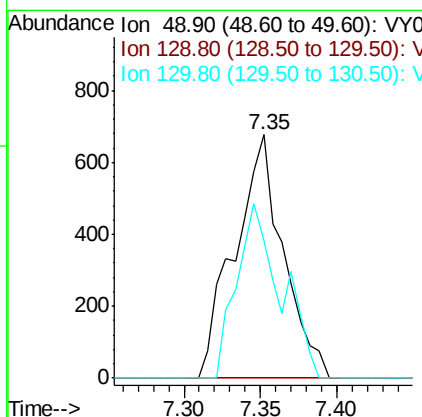
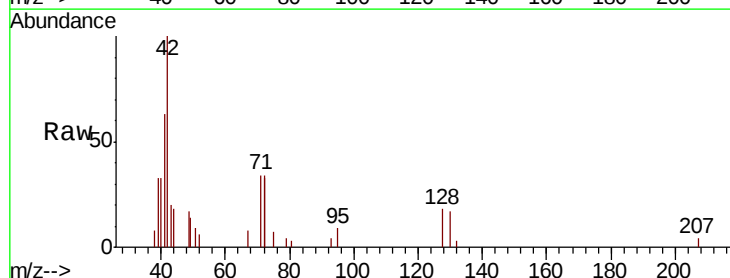
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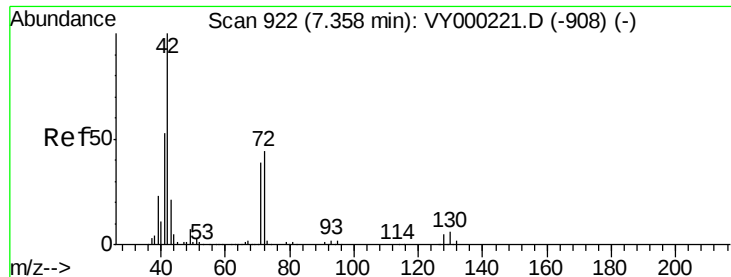


#28

Bromochloromethane
Concen: 0.730 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	65.2	56.5	84.7





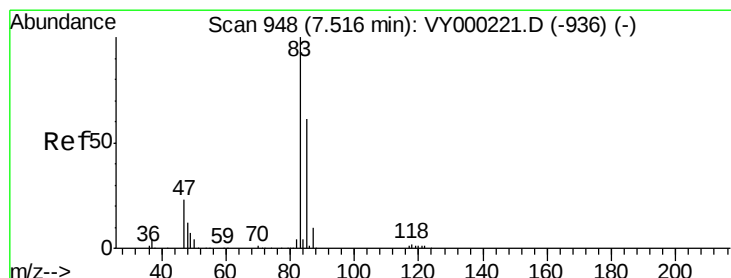
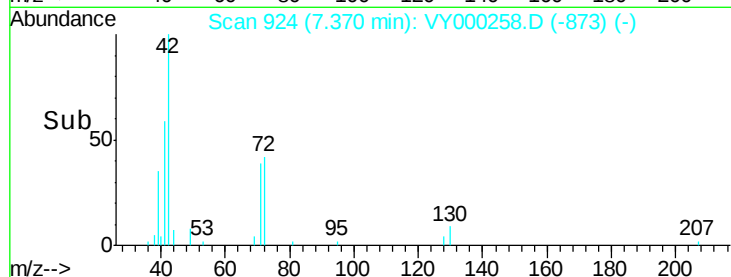
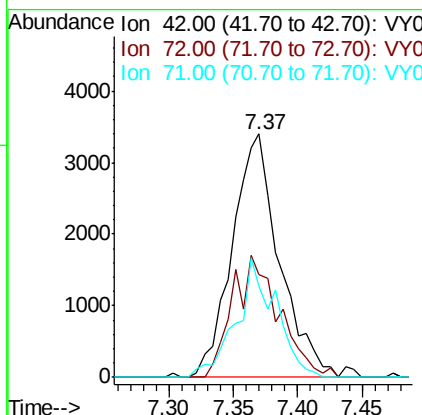
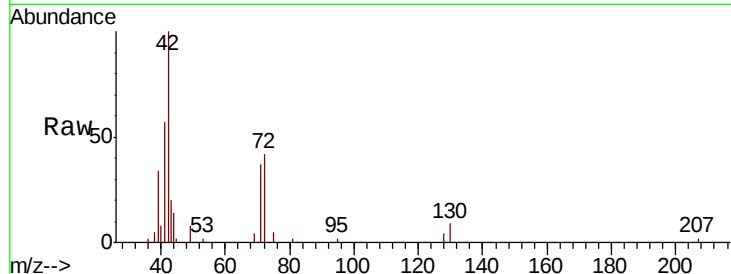
#29
Tetrahydrofuran
Concen: 2.279 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	34.6	51.8
71	41.3	31.9	47.9

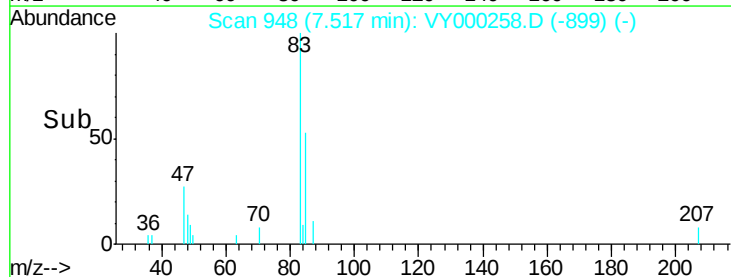
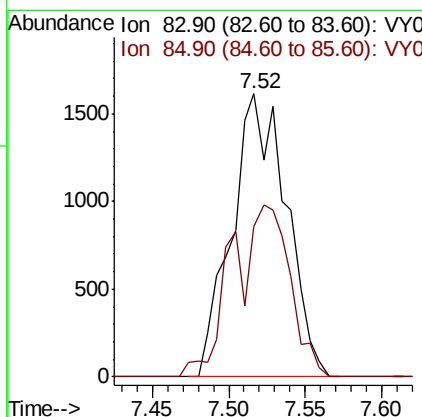
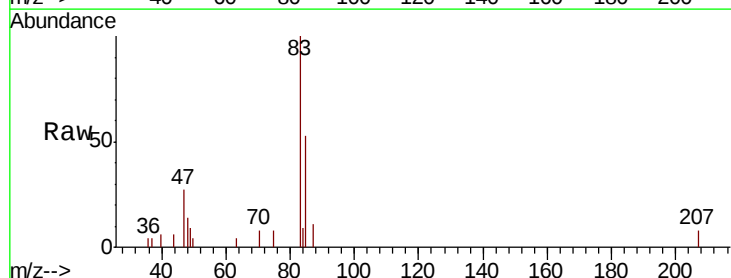
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APPROVED

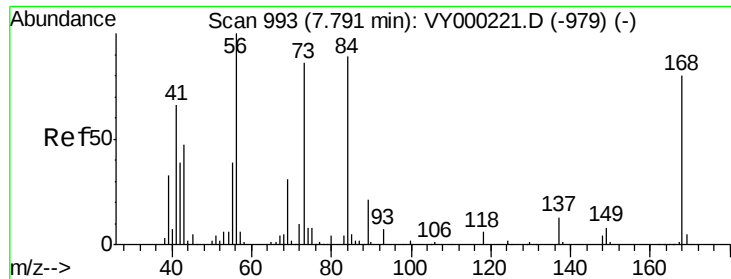
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#30
Chloroform
Concen: 0.621 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.0	48.9	73.3





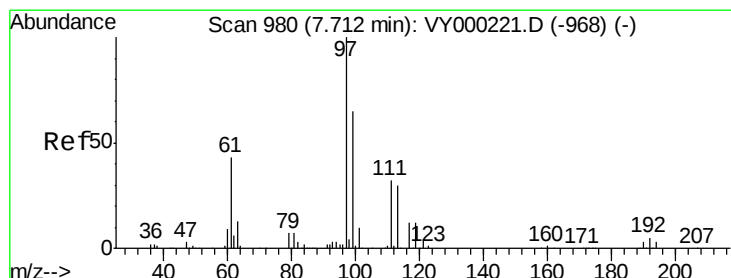
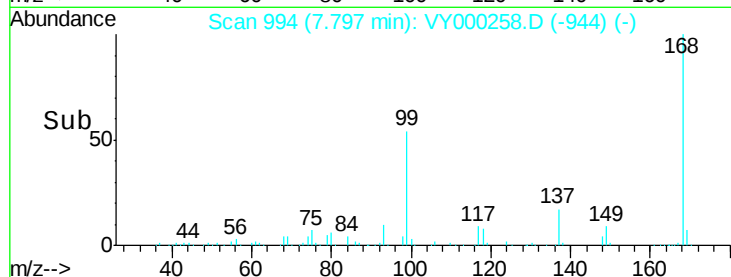
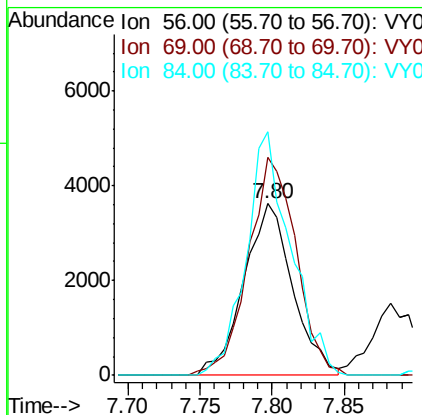
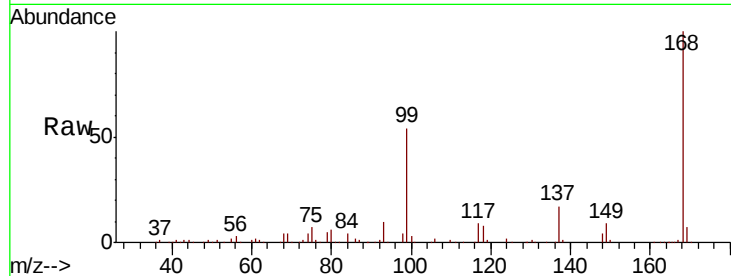
#31
Cyclohexane
Concen: 1.358 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	127.0	24.7	37.1#	
84	141.9	71.3	106.9#	

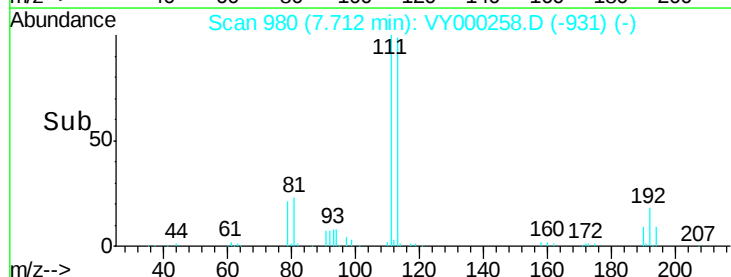
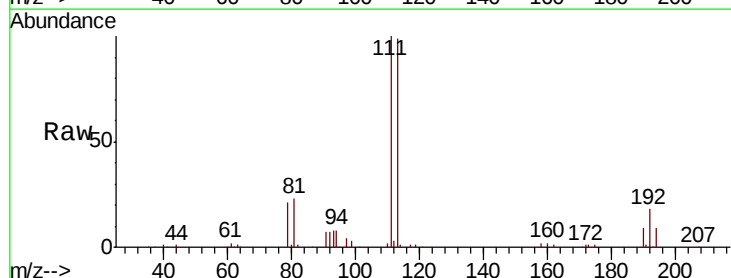
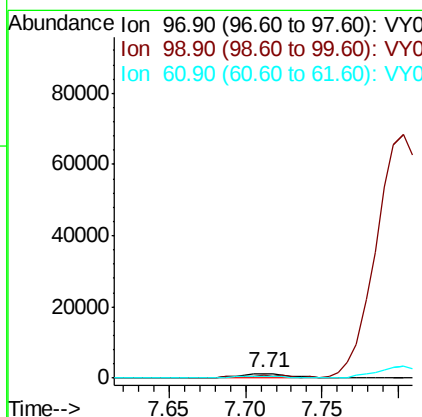
Manual Integrations
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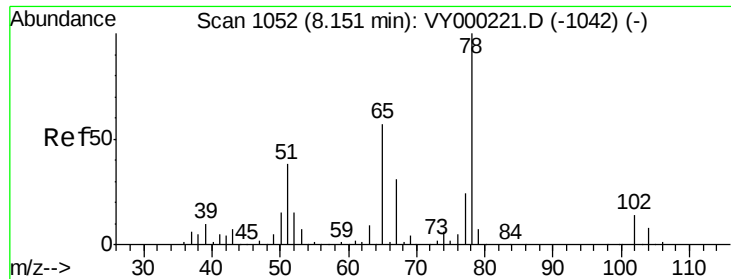
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#32
1,1,1-Trichloroethane
Concen: 0.544 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.4	77.2#	
61	43.7	34.2	51.4	





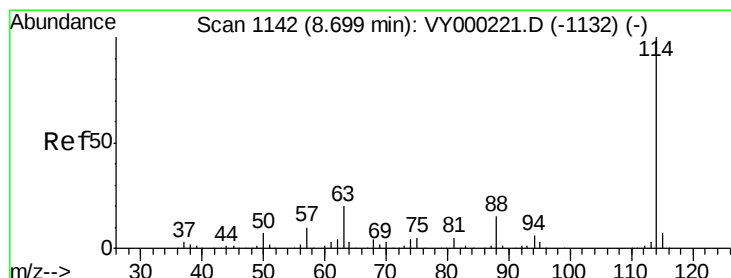
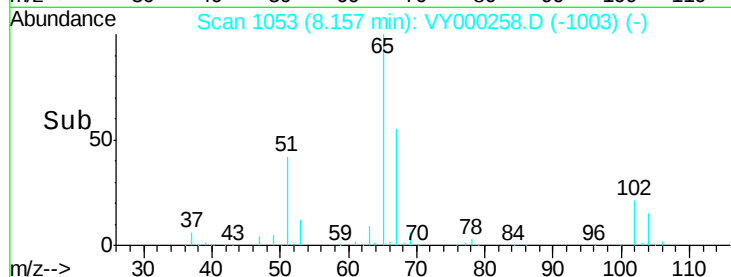
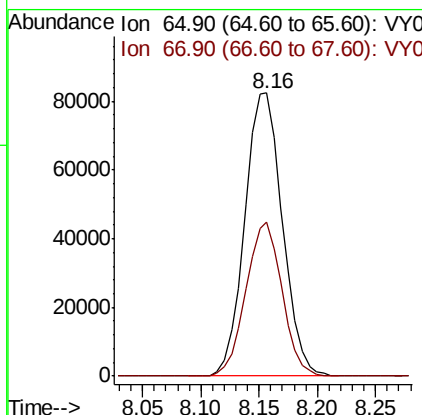
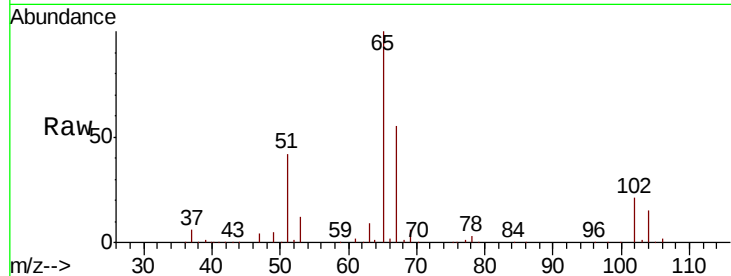
#33
 1,2-Dichloroethane-d4
 Concen: 50.860 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185998		
67	52.1	0.0	109.0	

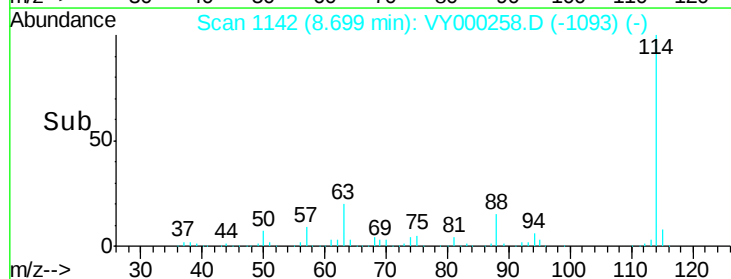
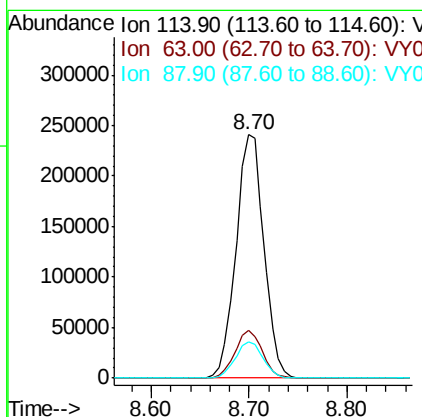
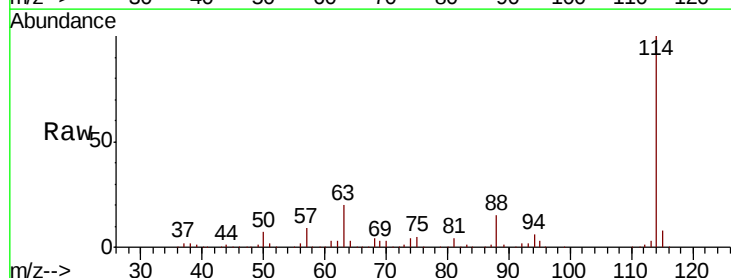
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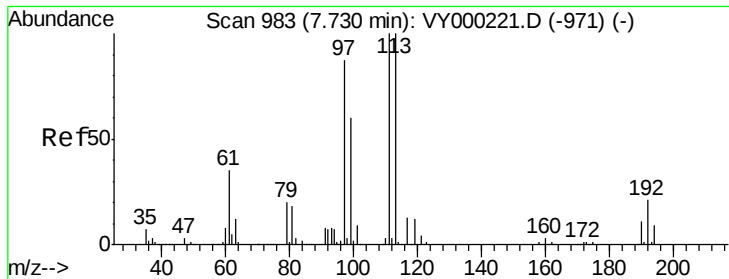
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	476304		
63	19.7	0.0	39.0	
88	14.7	0.0	30.6	





#35

Dibromofluoromethane

Concen: 49.954 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

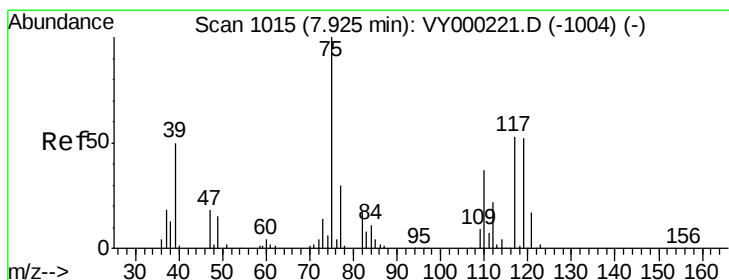
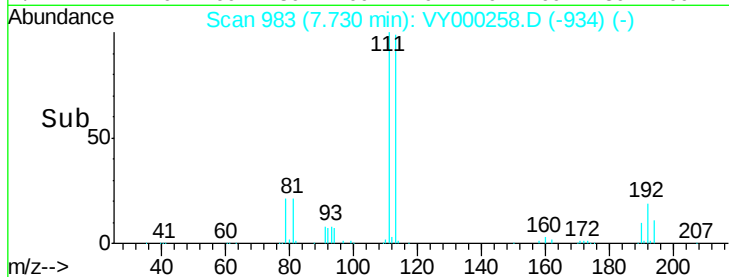
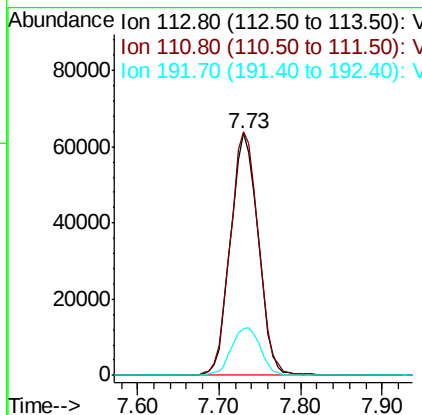
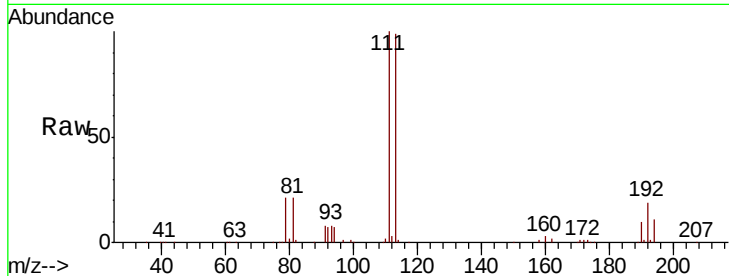
ClientSampleId :

0.5PPBMDL

Tot Ion:	113	Resp:	148251
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.6	124.0
192	20.6	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 0.611 ug/l

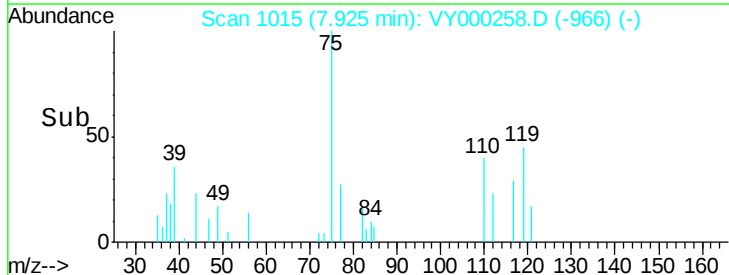
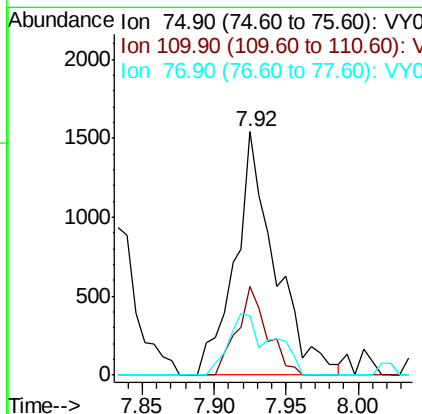
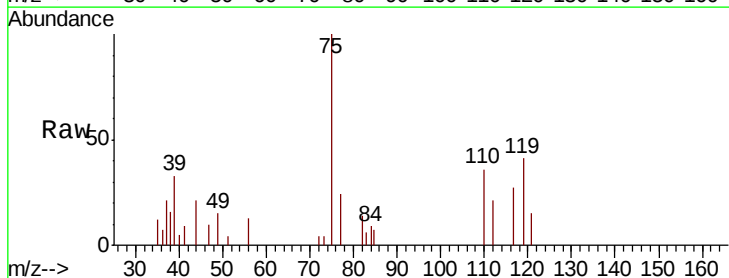
RT: 7.92 min Scan# 1015

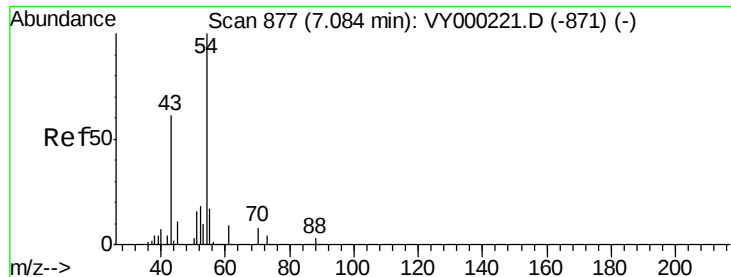
Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion:	75	Resp:	2962
Ion Ratio	Lower	Upper	
75	100		
110	27.7	18.4	55.2
77	27.3	24.7	37.1





#37

Ethyl Acetate

Concen: 0.458 ug/l

RT: 7.10 min Scan# 879

Delta R.T. 0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

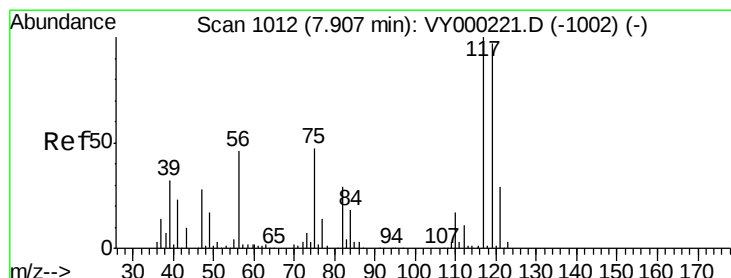
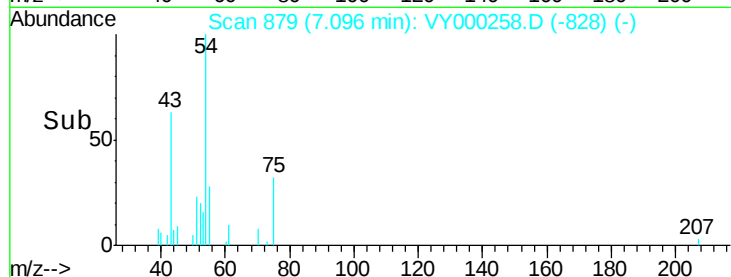
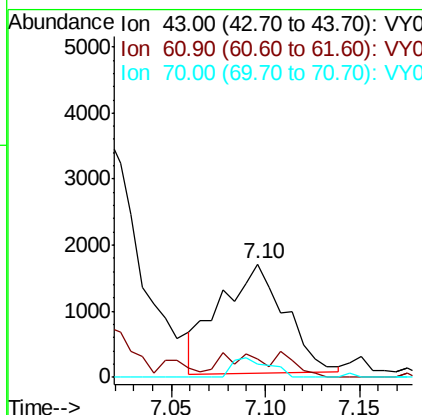
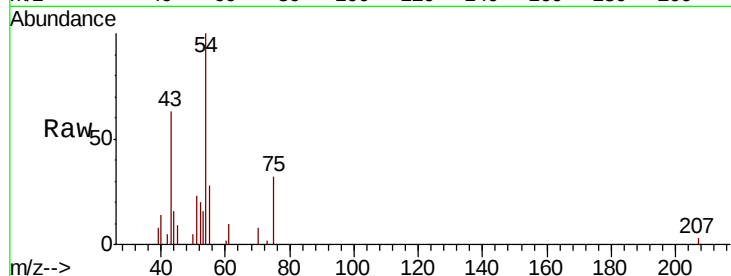
ClientSampleId :

0.5PPBMDL

Tot Ion:	43	Resp:	4014
Ion	Ratio	Lower	Upper
43	100		
61	9.1	11.1	16.7#
70	10.1	8.5	12.7

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#38

Carbon Tetrachloride

Concen: 0.441 ug/l

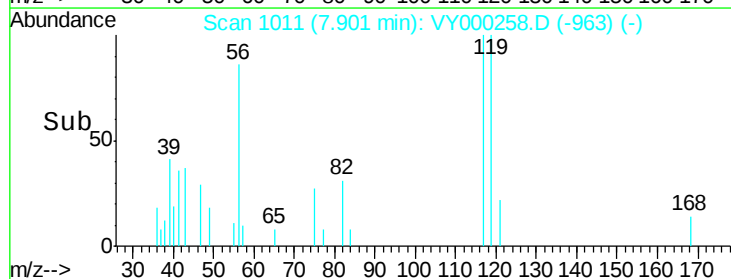
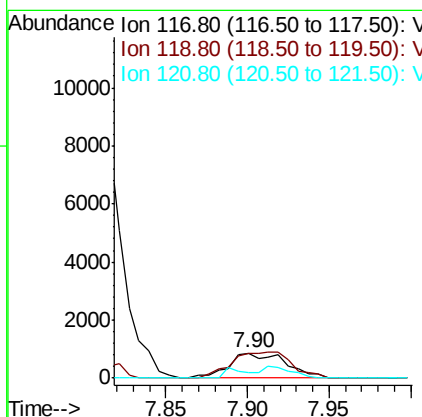
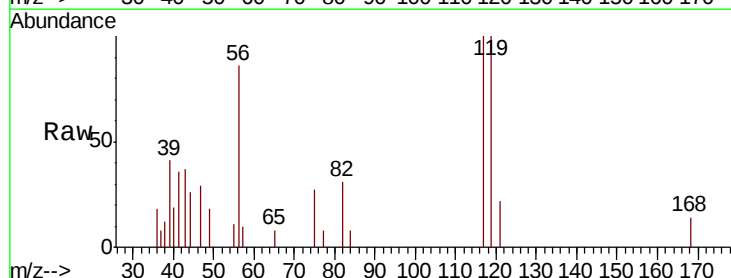
RT: 7.90 min Scan# 1011

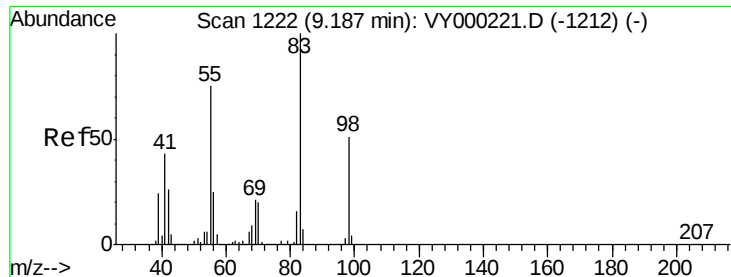
Delta R.T. -0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion:	117	Resp:	2082
Ion	Ratio	Lower	Upper
117	100		
119	100.0	77.2	115.8
121	21.6	23.1	34.7#





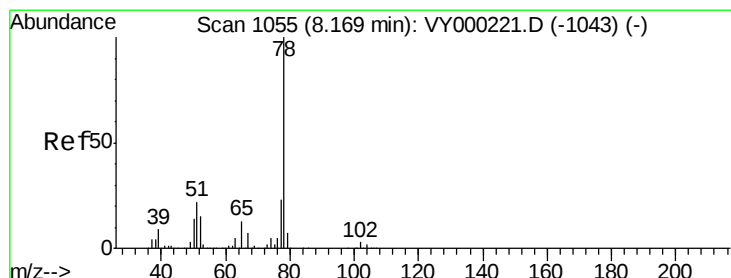
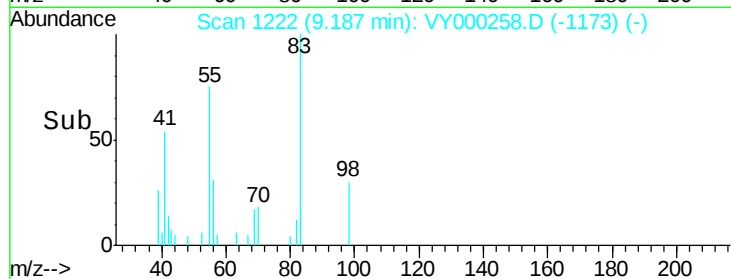
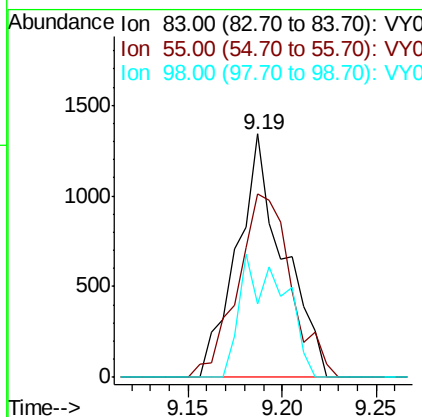
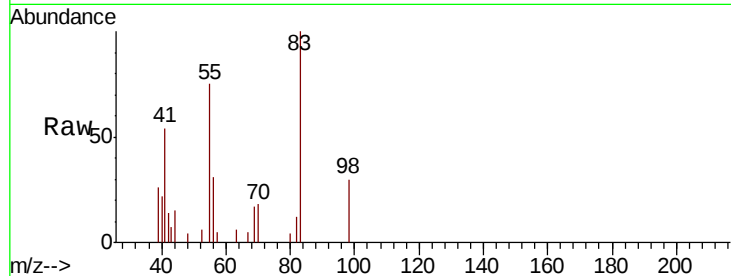
#39
Methvlcvclohexane
Concen: 0.376 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.2	90.4
98	30.0	40.5	60.7#

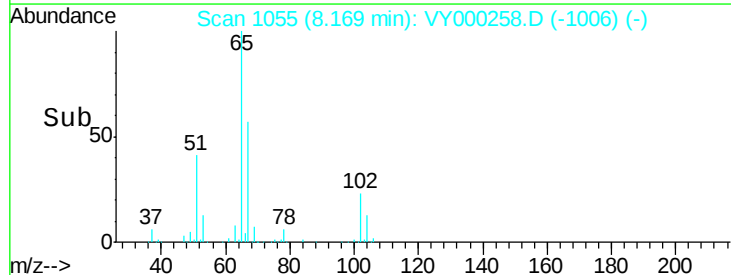
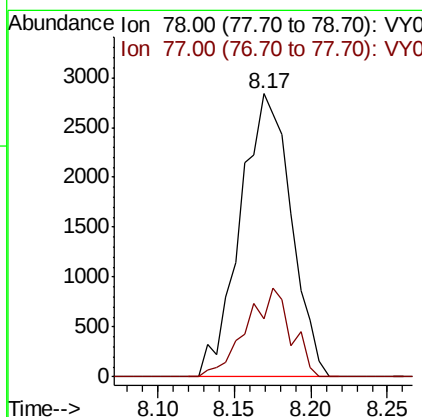
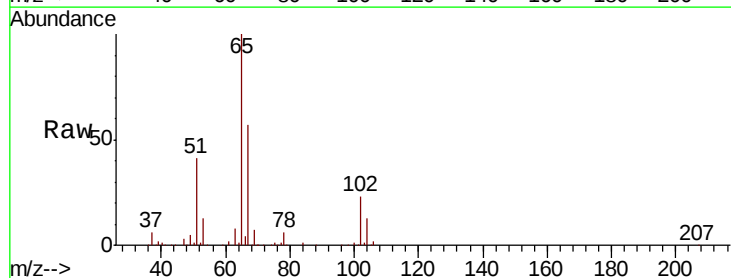
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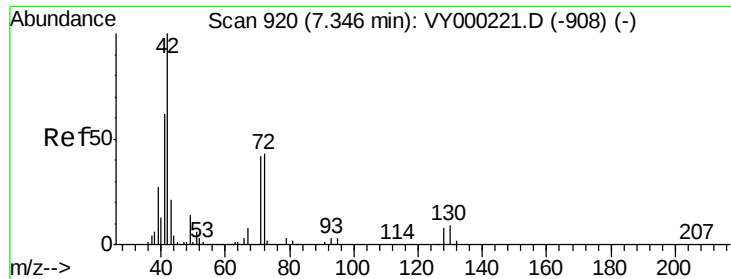
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#40
Benzene
Concen: 0.448 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.5	18.6	28.0





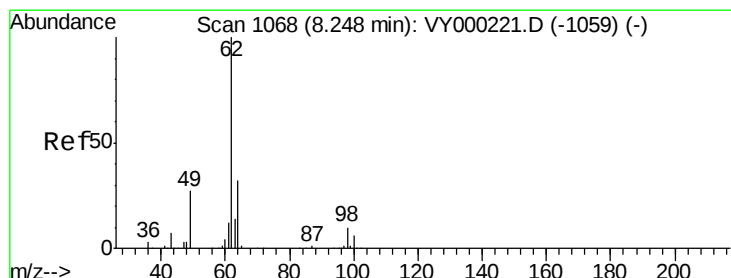
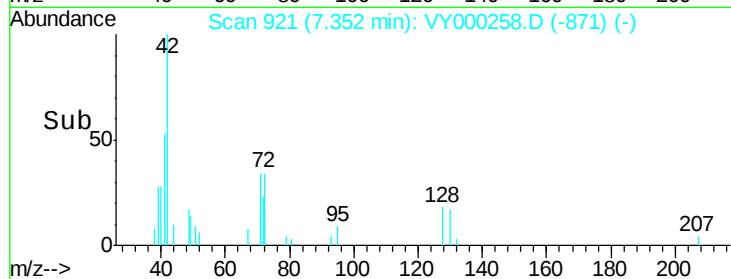
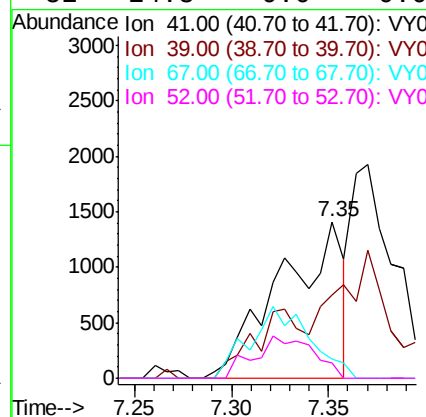
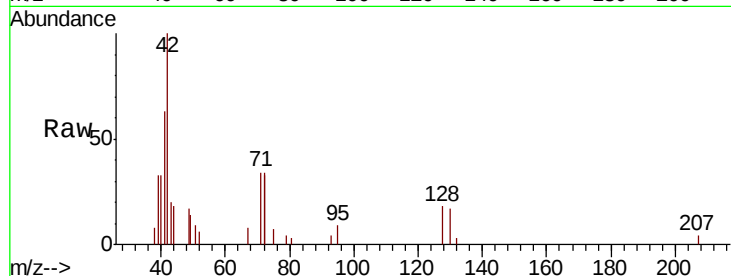
#41
Methacrylonitrile
Concen: 0.468 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
41	100		
39	34.9	74.7	112.1#
67	43.1	0.0	0.0#
52	24.8	0.0	0.0#

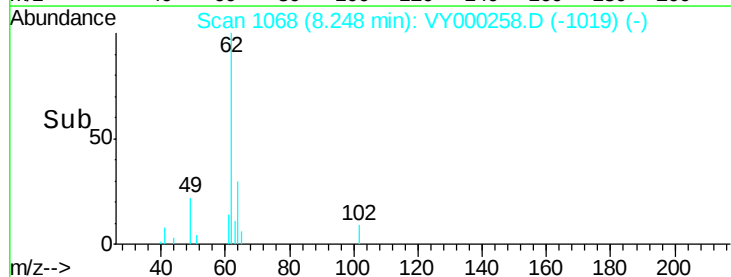
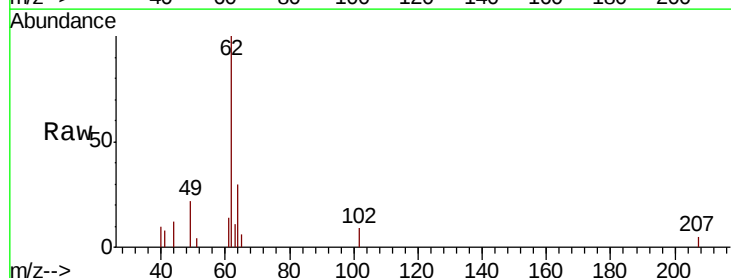
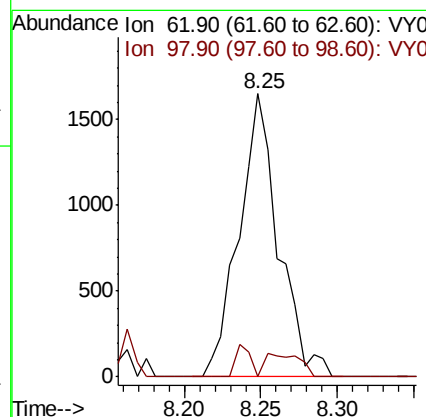
Manual Integrations
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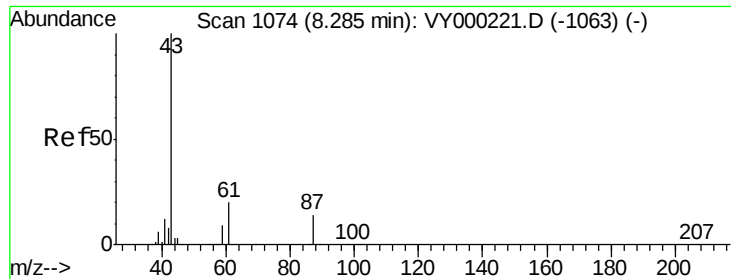
MMDadoda
10/14/2019 1:33:43 PM



#42
1,2-Dichloroethane
Concen: 0.618 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	20.0





#43

Isopropyl Acetate

Concen: 0.484 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

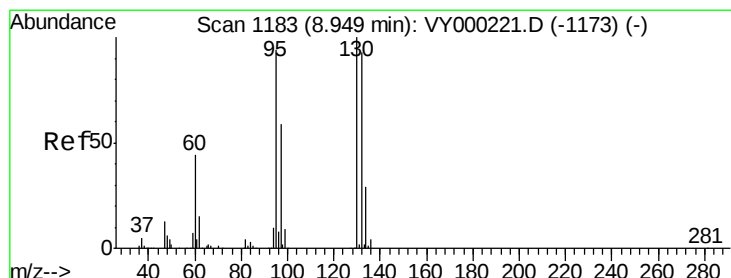
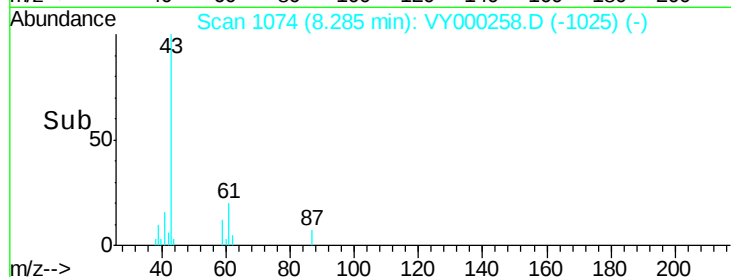
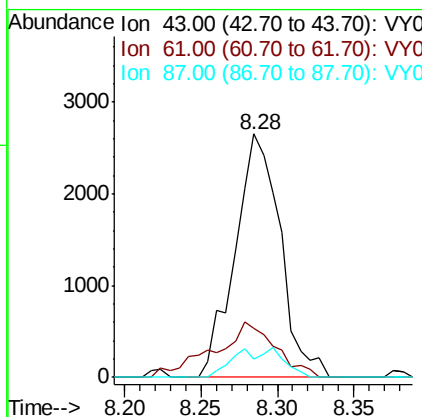
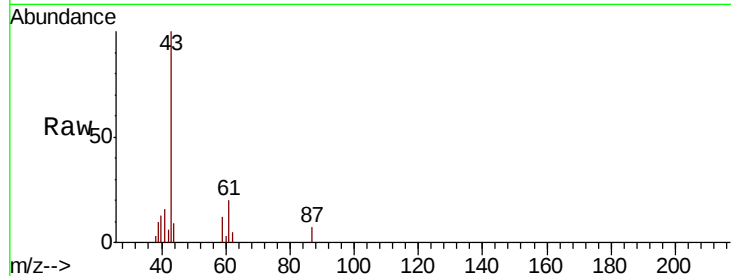
ClientSampleId :

0.5PPBMDL

Tot Ion:	43	Resp:	5456
Ion	Ratio	Lower	Upper
43	100		
61	30.7	20.1	30.1#
87	6.4	10.6	15.8#

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10/14/2019 1:33:43 PM



#44

Trichloroethene

Concen: 0.518 ug/l

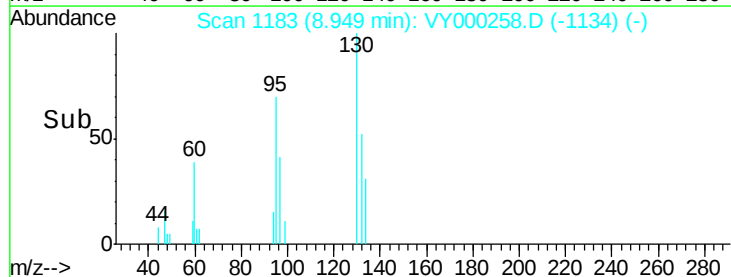
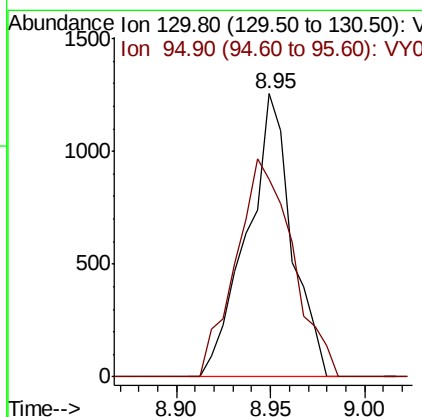
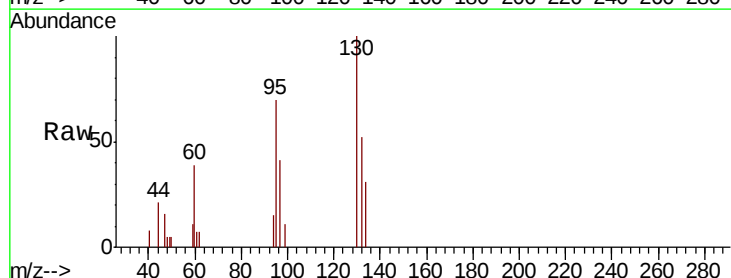
RT: 8.95 min Scan# 1183

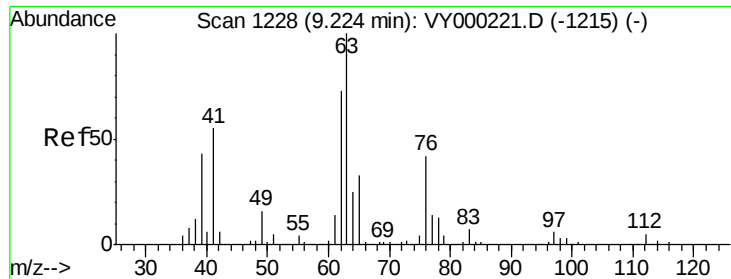
Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion:	130	Resp:	2064
Ion	Ratio	Lower	Upper
130	100		
95	69.6	0.0	189.0





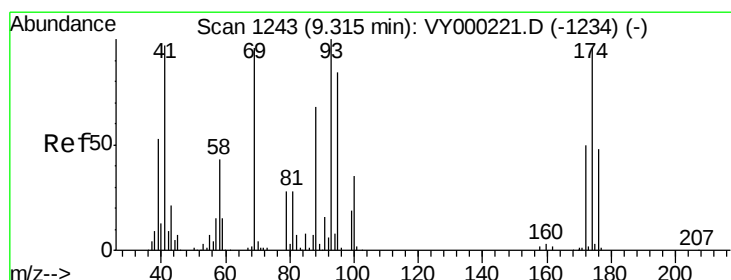
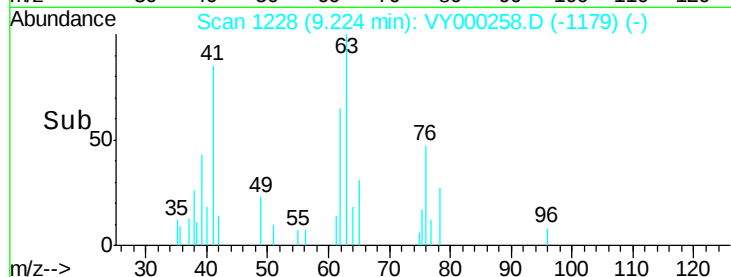
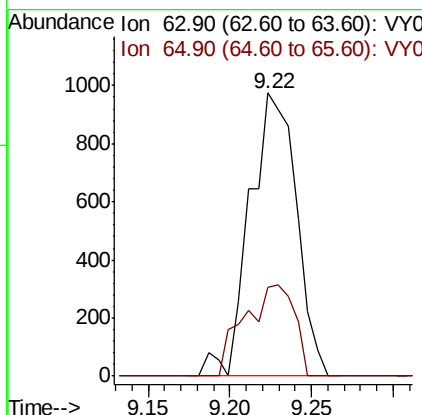
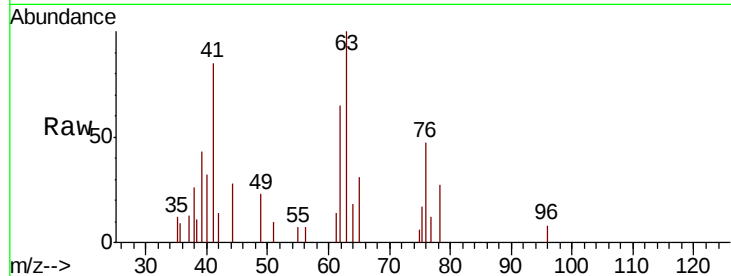
#45
 1,2-Dichloropropane
 Concen: 0.525 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion: 63 Resp: 1934
 Ion Ratio Lower Upper
 63 100
 65 31.4 26.6 39.8

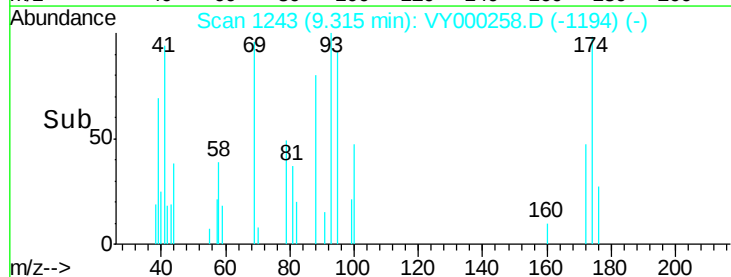
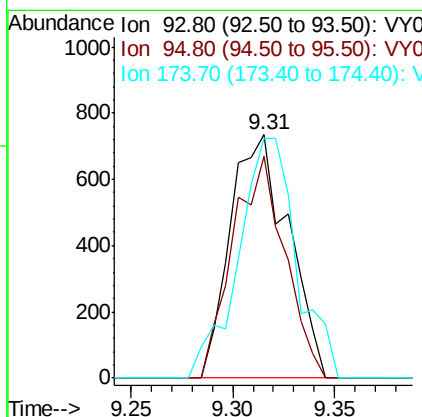
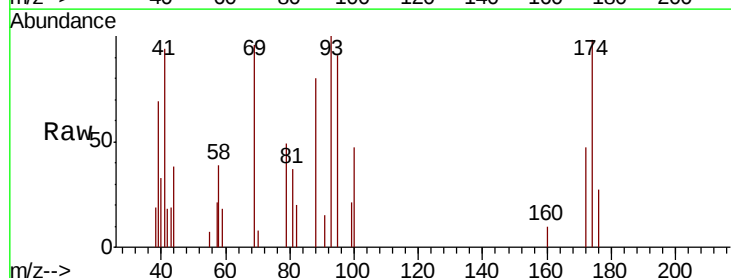
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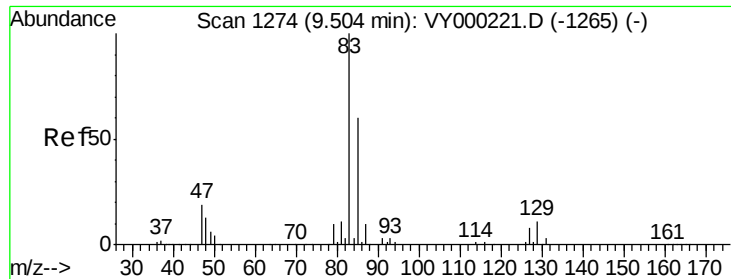
MMDadoda
 10/14/2019 1:33:43 PM



#46
 Dibromomethane
 Concen: 0.561 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion: 93 Resp: 1449
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.0 100.6
 174 98.9 77.5 116.3





#47

Bromodichloromethane

Concen: 0.515 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

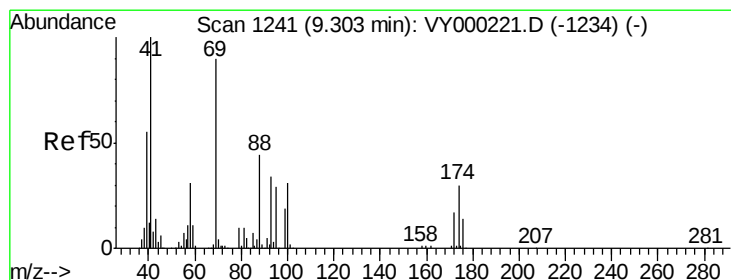
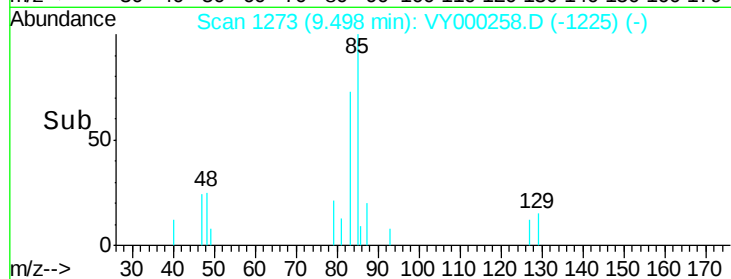
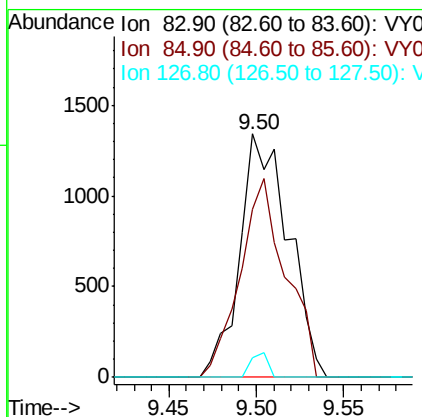
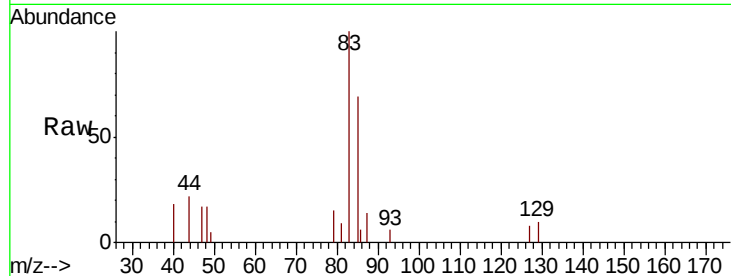
ClientSampleId :

0.5PPBMDL

Tot Ion:	83	Resp:	2600
Ion	Ratio	Lower	Upper
83	100		
85	69.0	48.0	72.0
127	8.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 0.503 ug/l

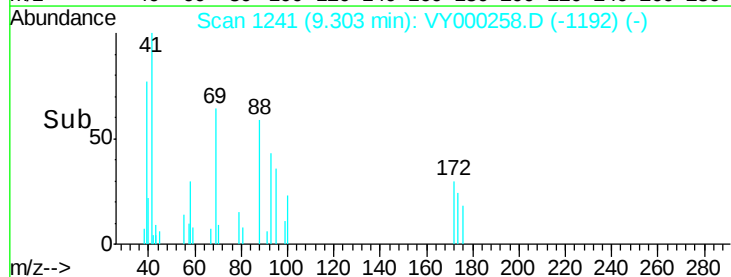
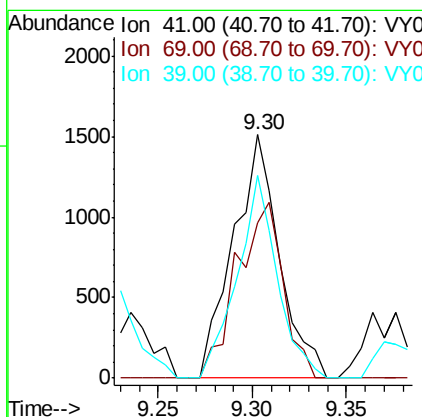
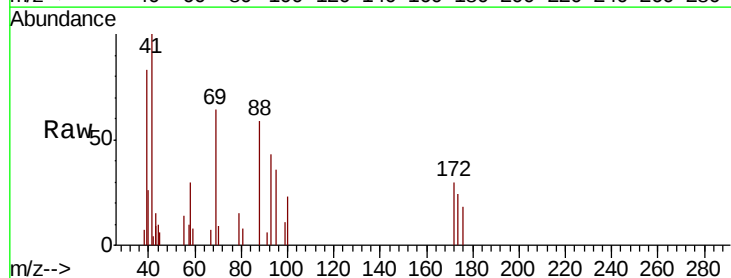
RT: 9.30 min Scan# 1241

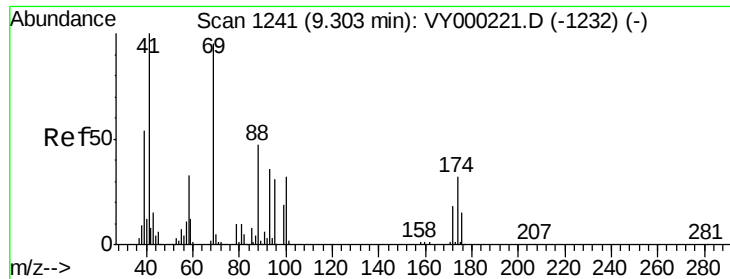
Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion:	41	Resp:	2559
Ion	Ratio	Lower	Upper
41	100		
69	72.1	70.3	105.5
39	72.1	45.5	68.3#





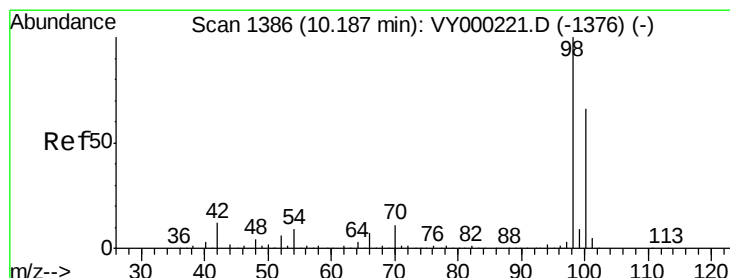
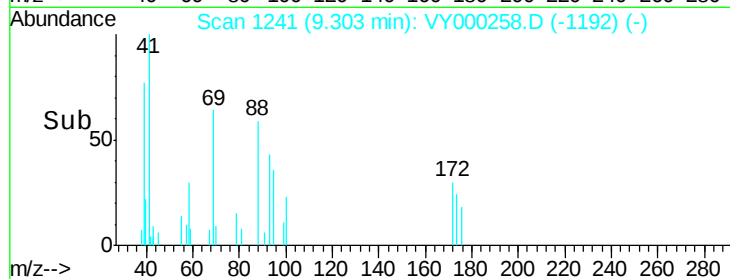
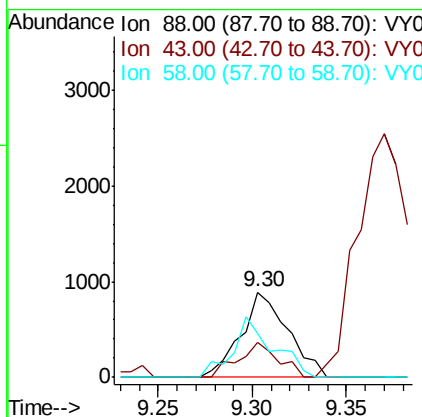
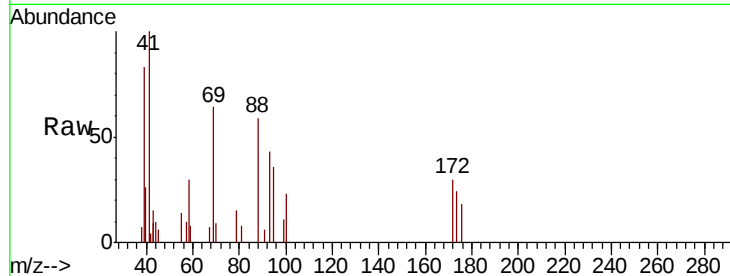
#49
 1,4-Dioxane
 Concen: 11.748 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	24.5	36.7
58	61.0	54.2	81.2

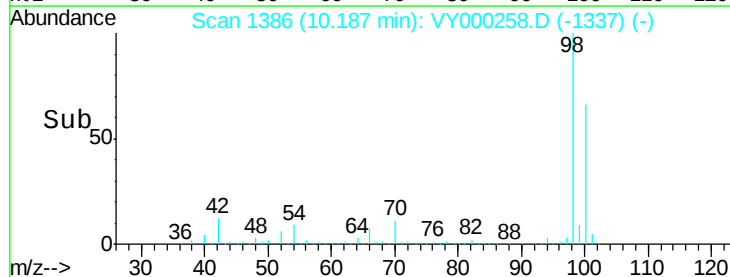
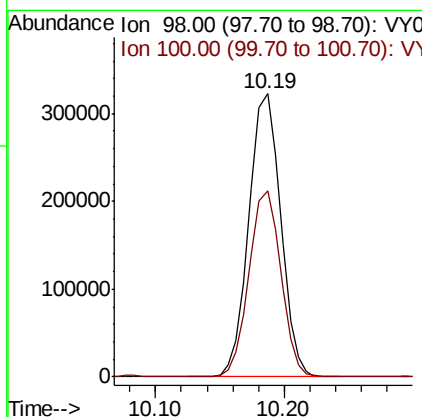
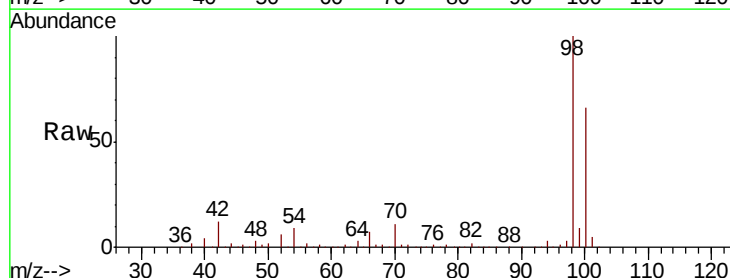
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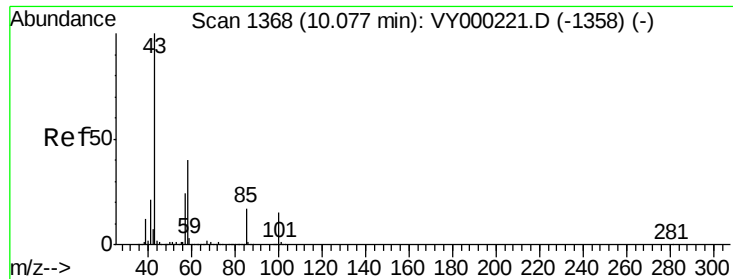
MMDadoda
 10/14/2019 1:33:43 PM



#50
 Toluene-d8
 Concen: 47.281 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 2.151 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 18231

Ion Ratio Lower Upper

43 100

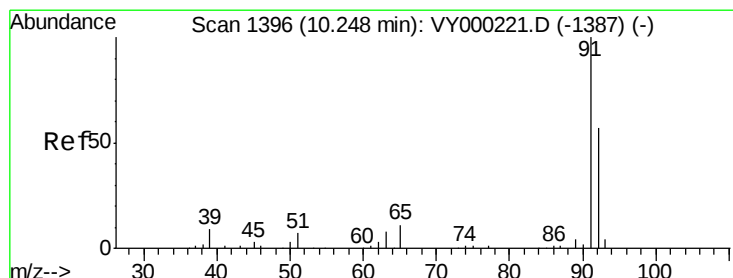
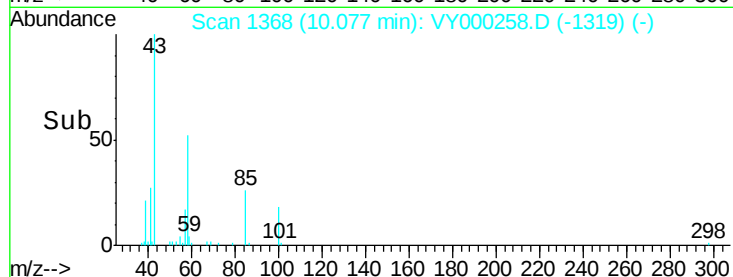
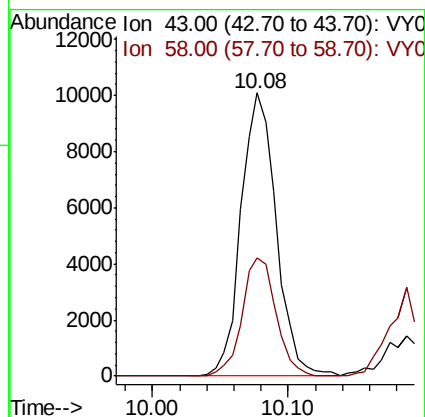
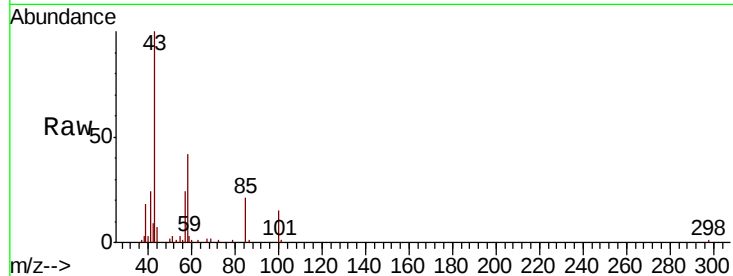
58 40.5 31.7 47.5

Manual Integrations

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#52

Toluene

Concen: 0.469 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000258.D

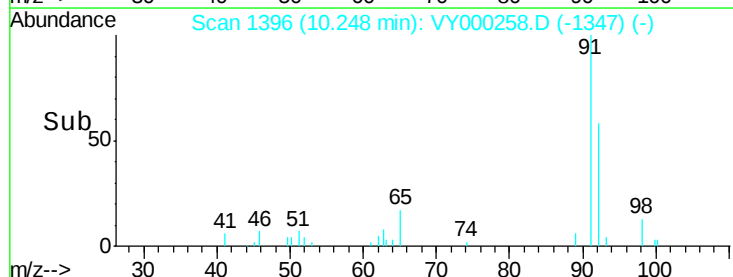
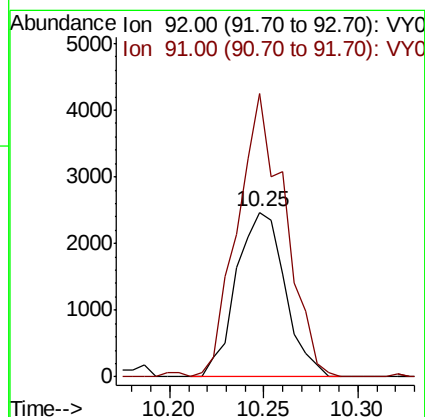
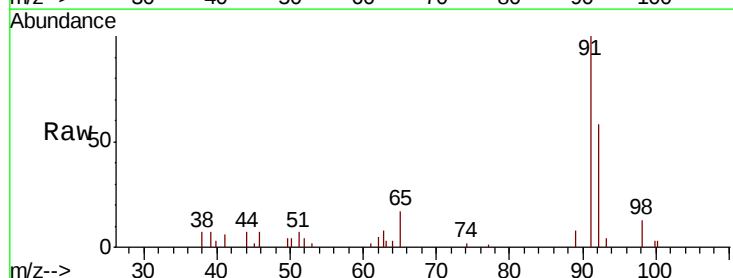
Acq: 10 Oct 2019 17:07

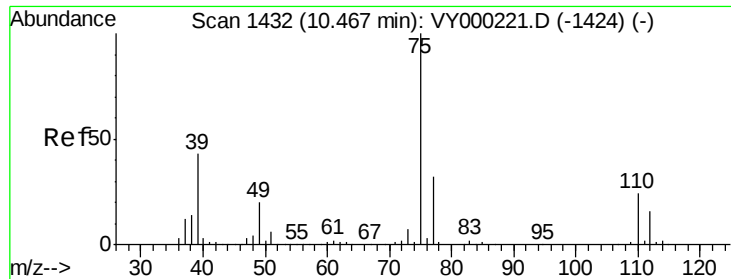
Tgt Ion: 92 Resp: 4427

Ion Ratio Lower Upper

92 100

91 168.5 139.1 208.7





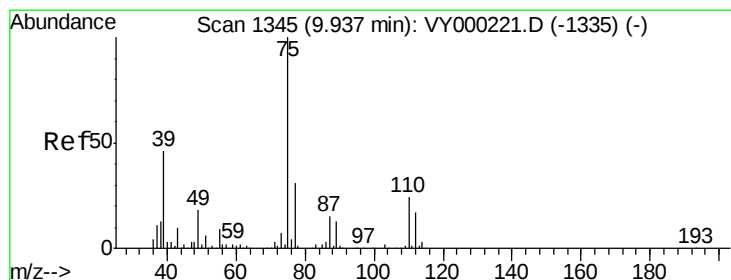
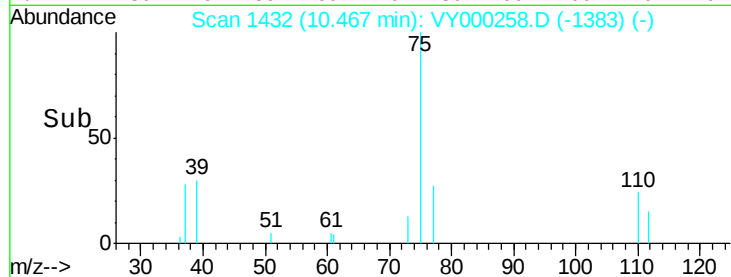
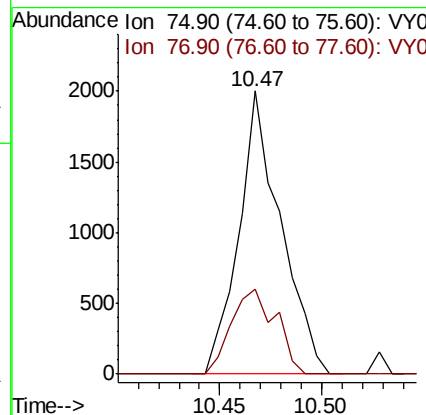
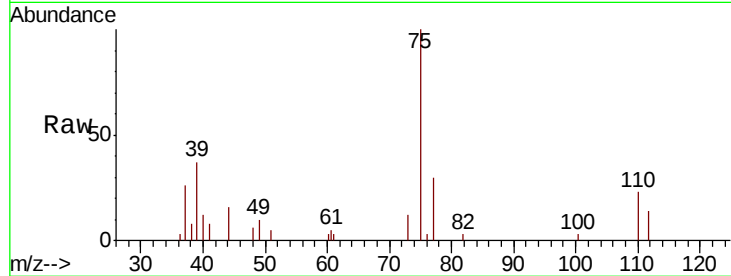
#53
 t-1,3-Dichloropropene
 Concen: 0.497 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion: 75 Resp: 2848
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.3 37.9

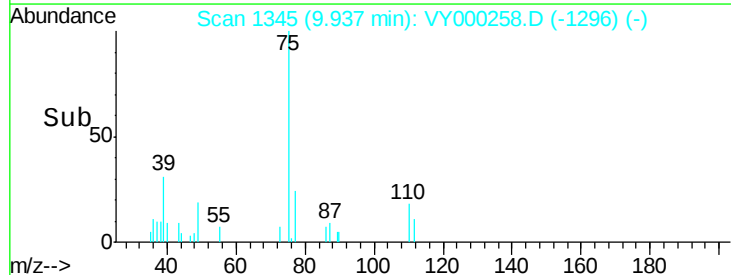
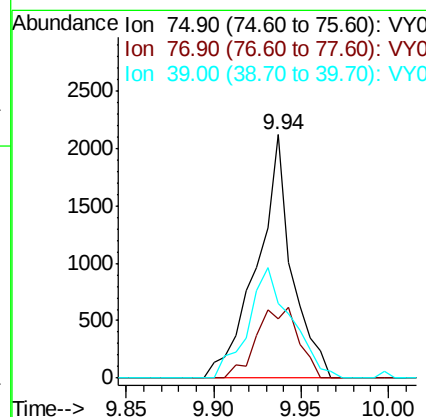
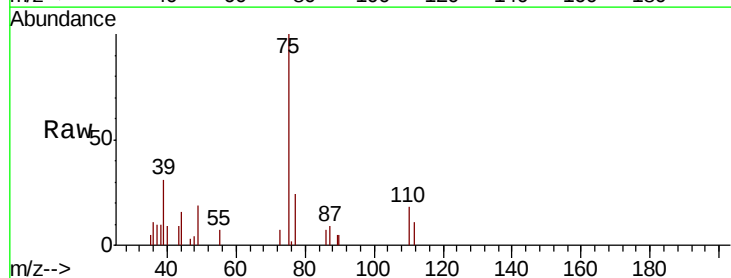
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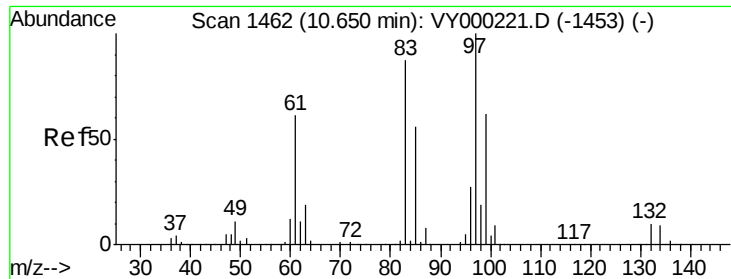
MMDadoda
 10/14/2019 1:33:43 PM



#54
 cis-1,3-Dichloropropene
 Concen: 0.477 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion: 75 Resp: 2957
 Ion Ratio Lower Upper
 75 100
 77 24.1 25.0 37.4#
 39 30.6 36.3 54.5#





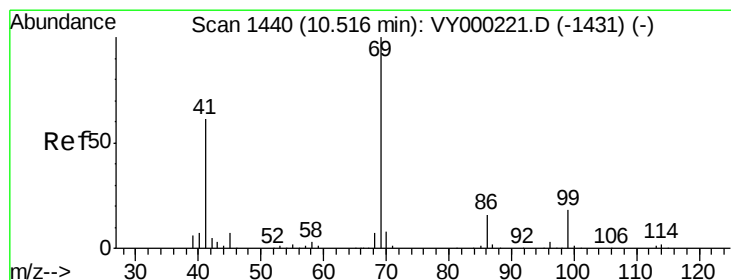
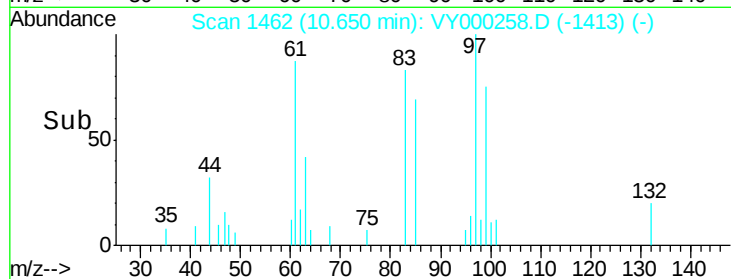
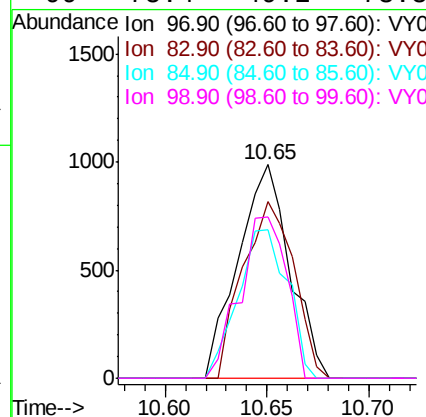
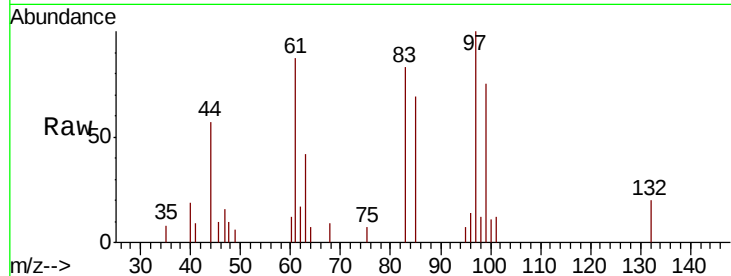
#55
1,1,2-Trichloroethane
Concen: 0.470 ug/l
RT: 10.65 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.6	69.4	104.0
85	69.4	44.6	66.8#
99	75.4	49.2	73.8#

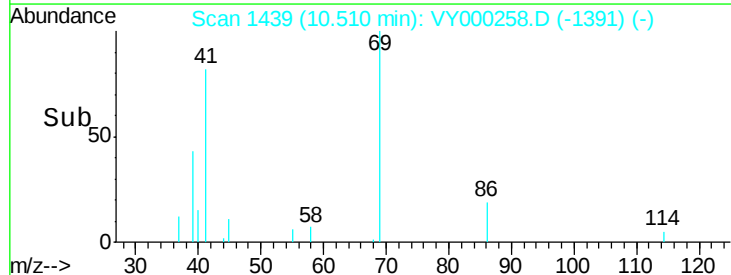
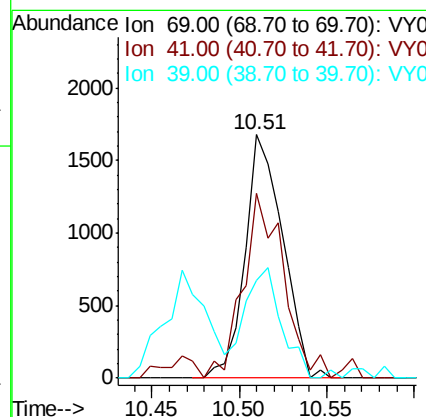
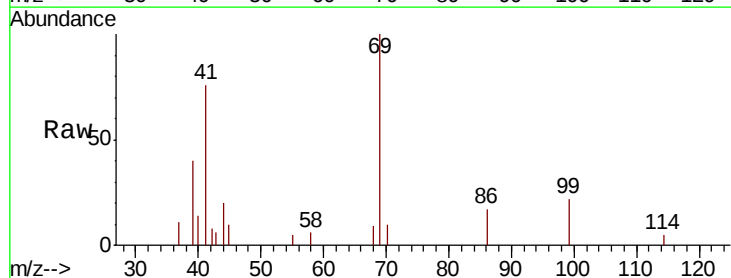
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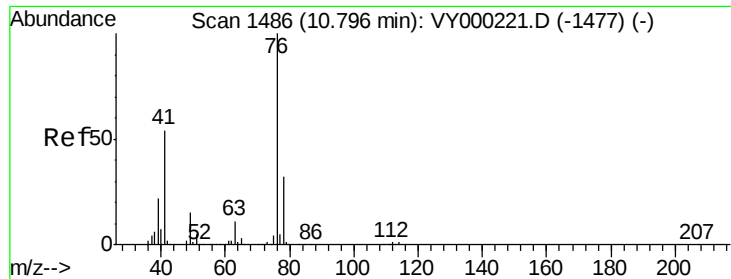
MMDadoda
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#56
Ethyl methacrylate
Concen: 0.386 ug/l
RT: 10.51 min Scan# 1439
Delta R.T. -0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	81.6	51.2	76.8#
39	44.1	27.0	40.4#





#57

1,3-Dichloropropane

Concen: 0.512 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 76 Resp: 3252

Ion Ratio Lower Upper

76 100

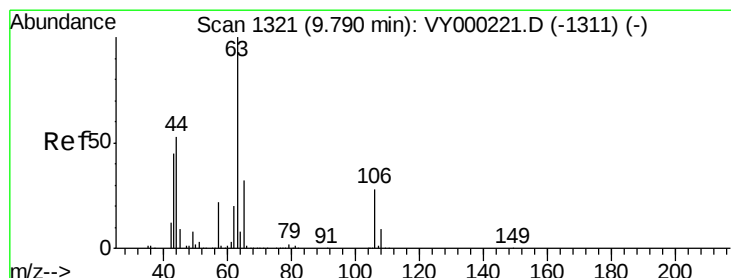
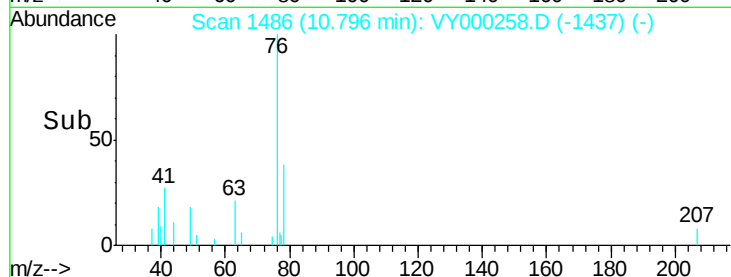
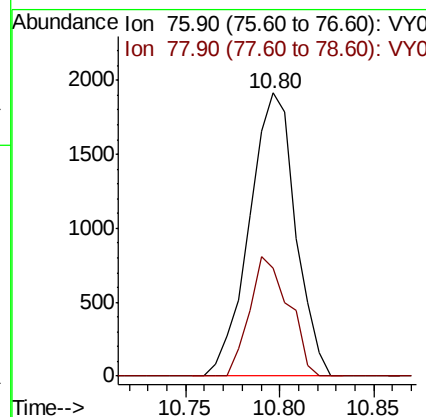
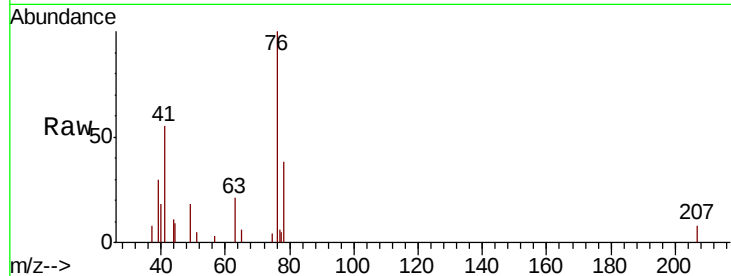
78 35.8 26.0 39.0

Manual Integrations

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10/14/2019 1:33:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 2.597 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VY000258.D

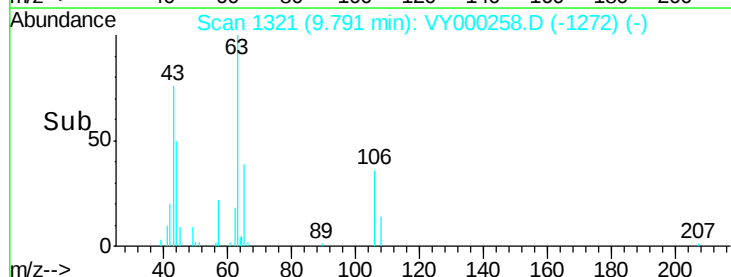
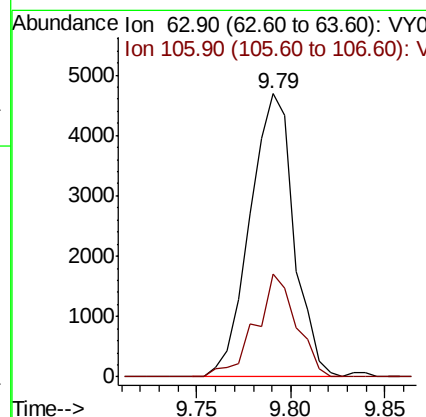
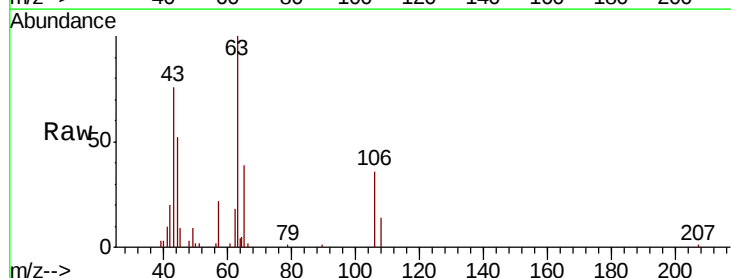
Acq: 10 Oct 2019 17:07

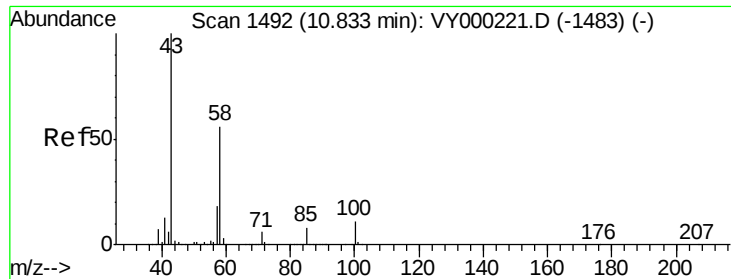
Tgt Ion: 63 Resp: 7578

Ion Ratio Lower Upper

63 100

106 33.6 22.6 33.8





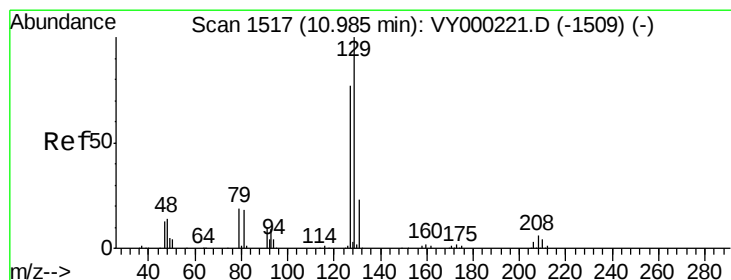
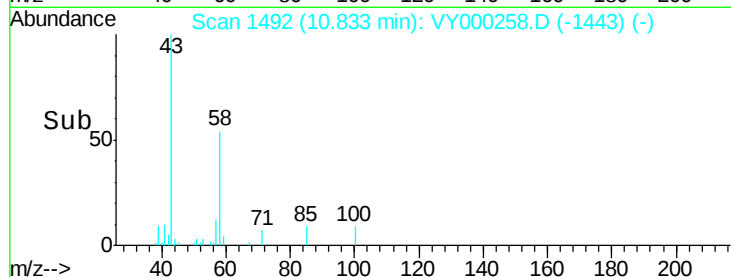
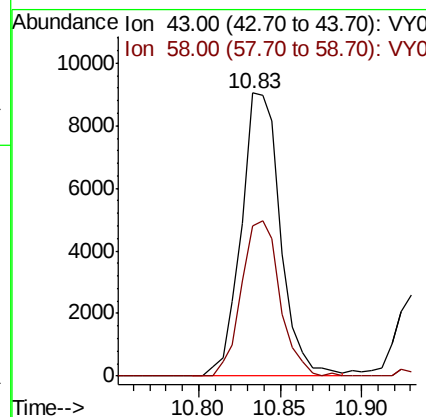
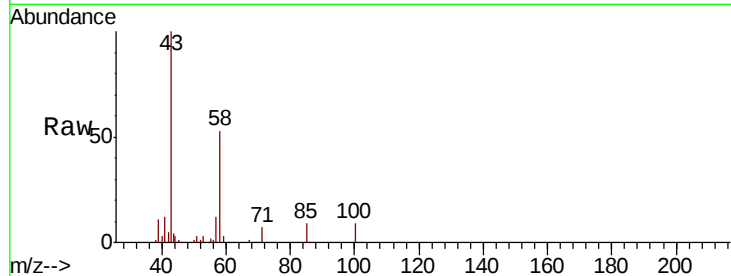
#59
2-Hexanone
Concen: 2.108 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 43 Resp: 15139
Ion Ratio Lower Upper
43 100
58 53.7 28.2 84.6

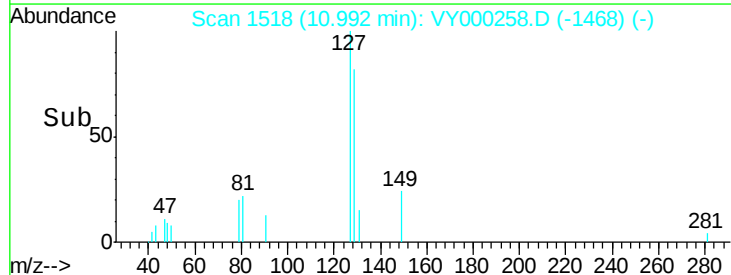
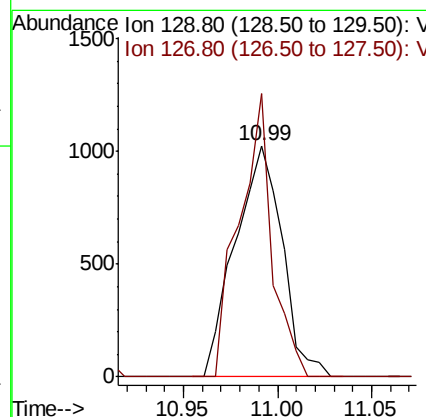
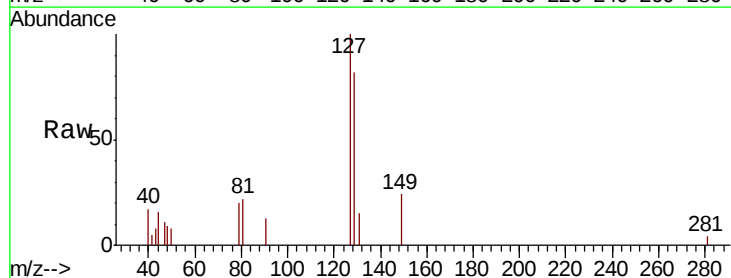
Manual Integrations
APPROVED

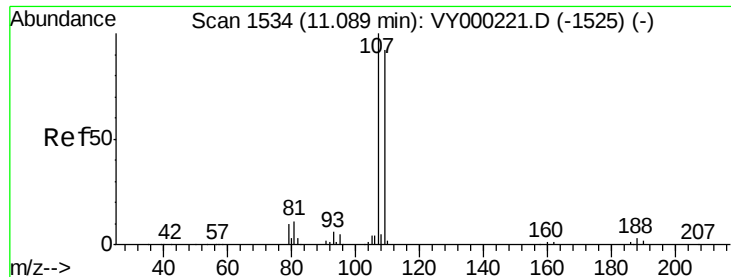
MMDadoda
10/14/2019 1:33:43 PM



#60
Dibromochloromethane
Concen: 0.452 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion: 129 Resp: 1775
Ion Ratio Lower Upper
129 100
127 85.6 39.1 117.2





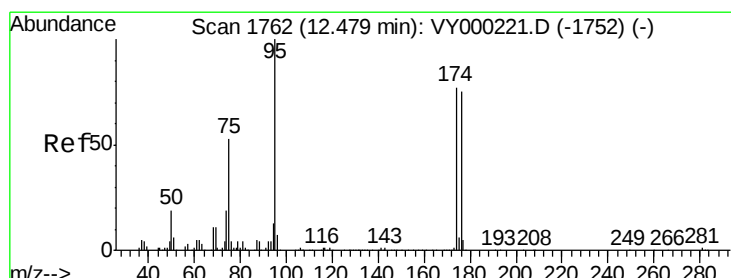
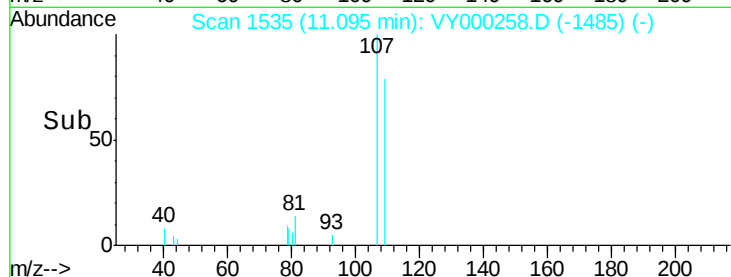
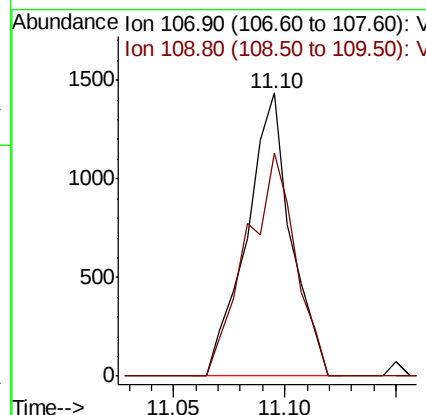
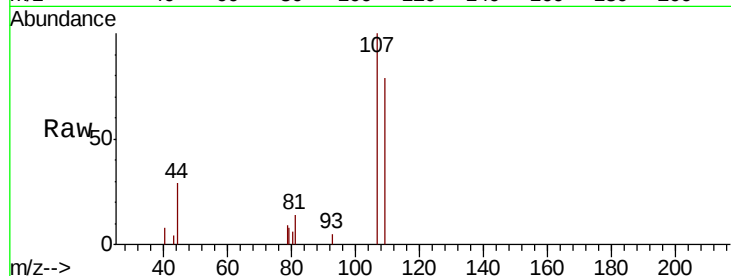
#61
 1,2-Dibromoethane
 Concen: 0.505 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
107	100		
109	87.2	75.0	112.6

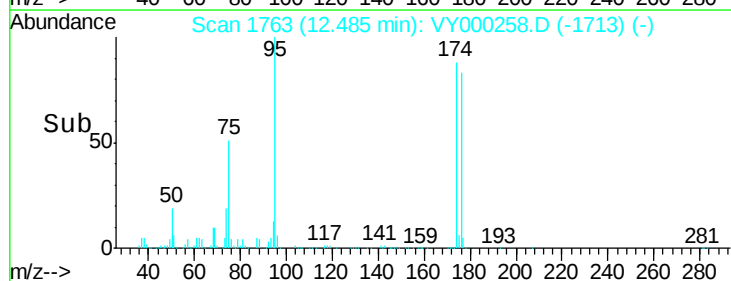
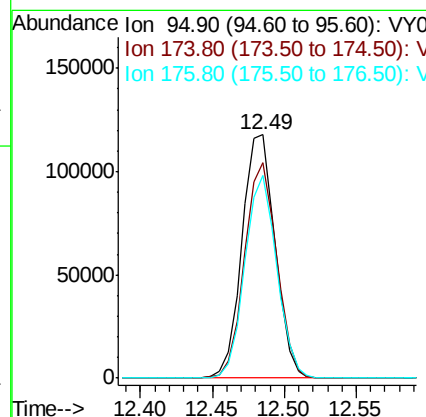
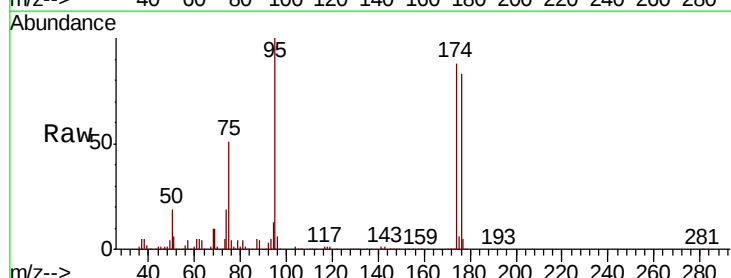
Manual Integrations
 APPROVED

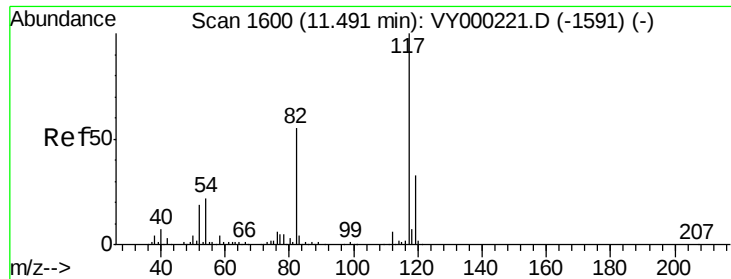
MMDadoda
 10/14/2019 1:33:43 PM



#62
 4-Bromofluorobenzene
 Concen: 45.537 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	157.0
176	80.3	0.0	153.0





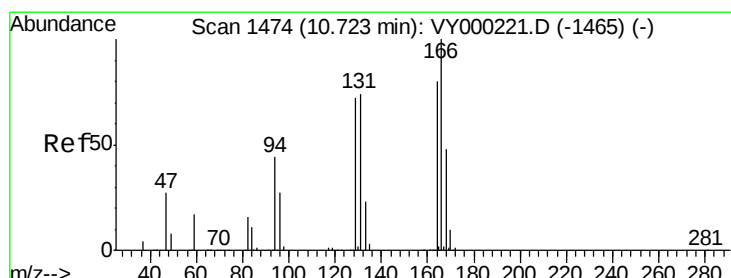
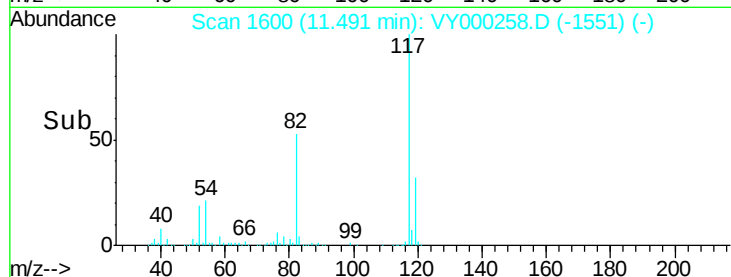
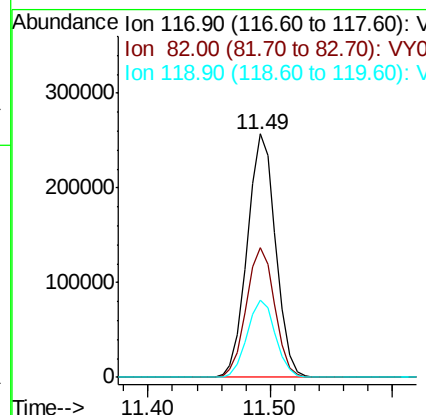
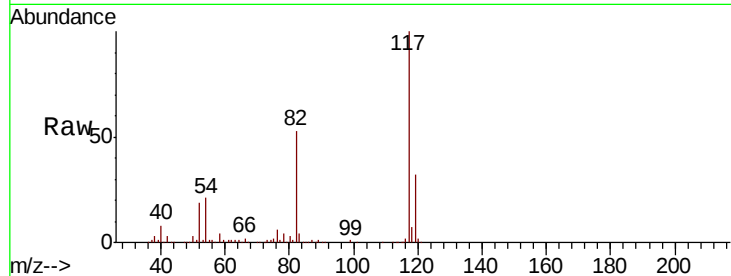
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	413135		
82	53.1	44.4	66.6	
119	31.8	26.2	39.2	

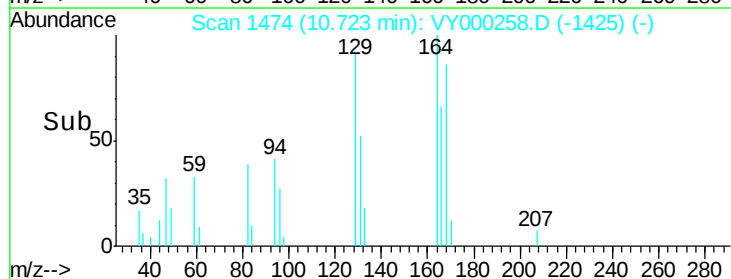
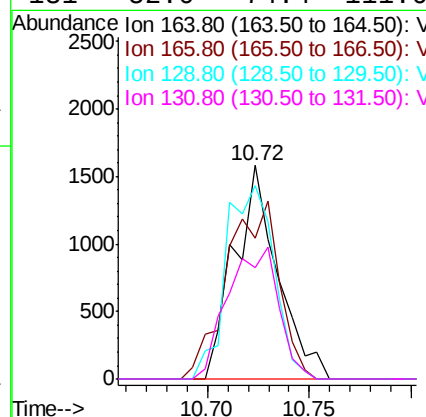
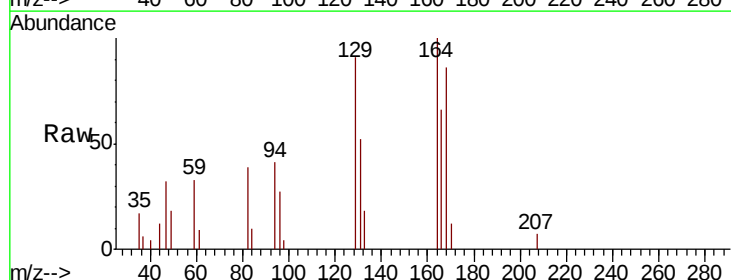
Manual Integrations
APPROVED

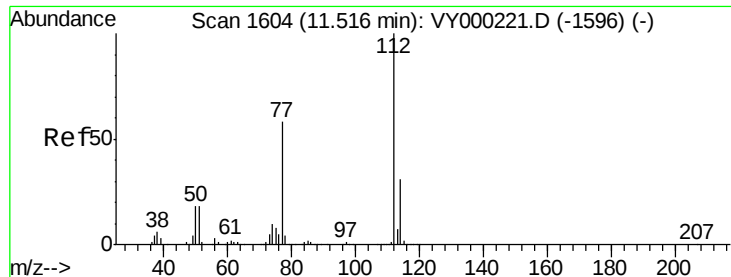
MMDadoda
10/14/2019 1:33:43 PM



#64
Tetrachloroethene
Concen: 0.621 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2346		
166	66.1	100.3	150.5#	
129	90.7	72.4	108.6	
131	52.0	74.4	111.6#	





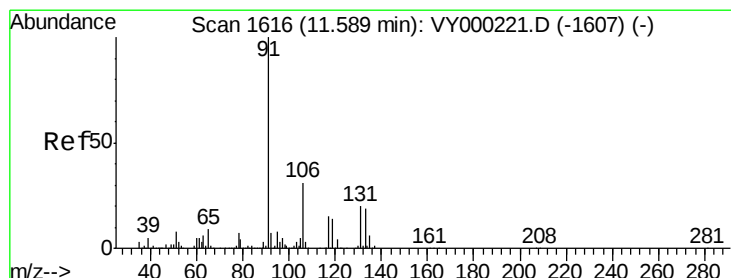
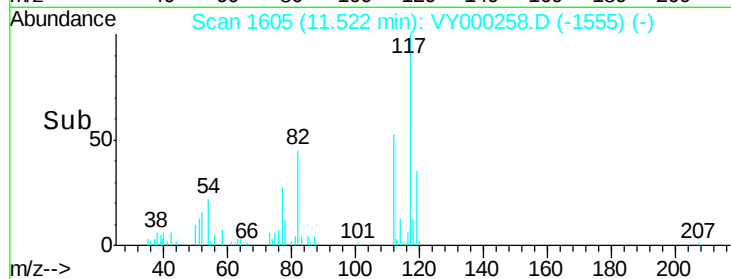
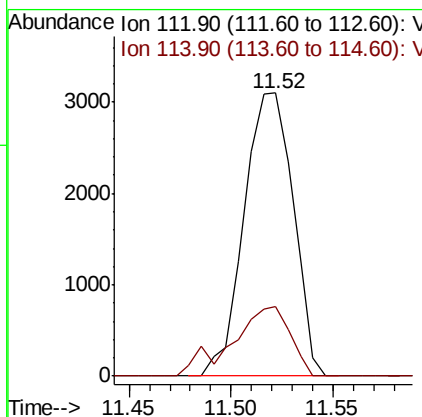
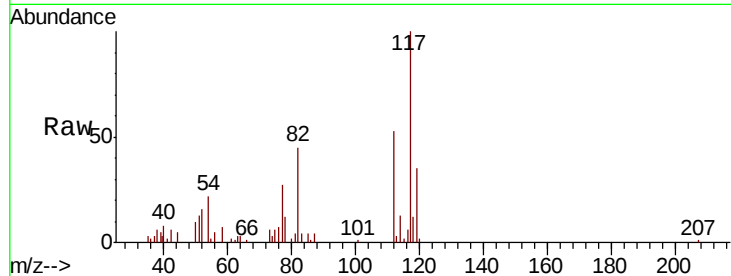
#65
Chlorobenzene
Concen: 0.543 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
112	100		
114	24.7	25.0	37.4#

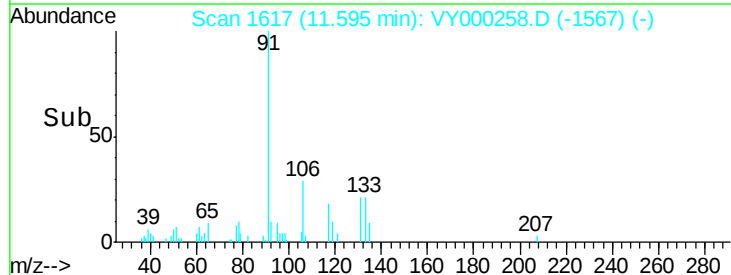
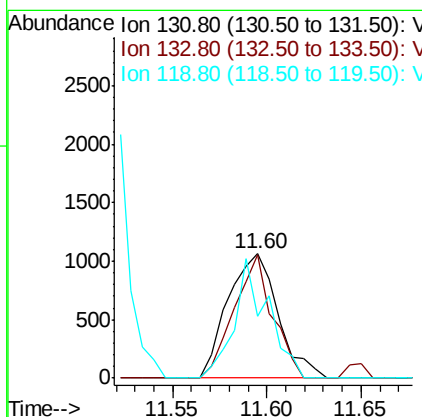
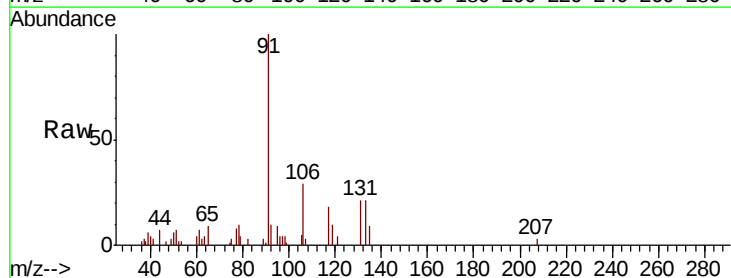
Manual Integrations
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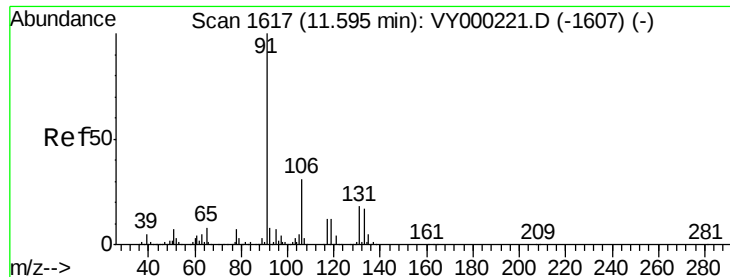
MMDadoda
10/14/2019 1:33:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.571 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	76.2	47.0	141.2
119	0.0	33.3	99.8#





#67

Ethyl Benzene

Concen: 0.477 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 8167

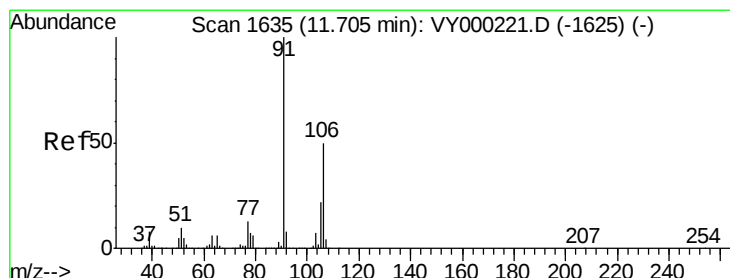
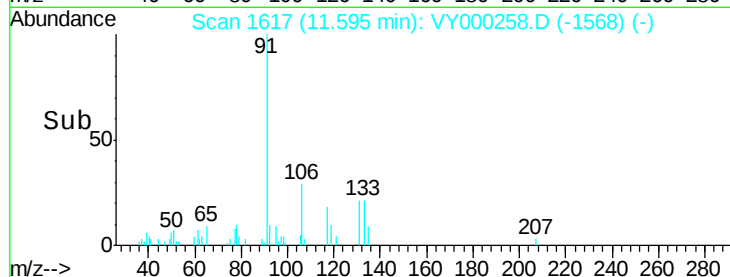
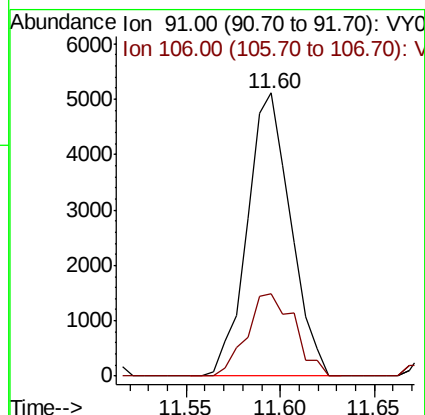
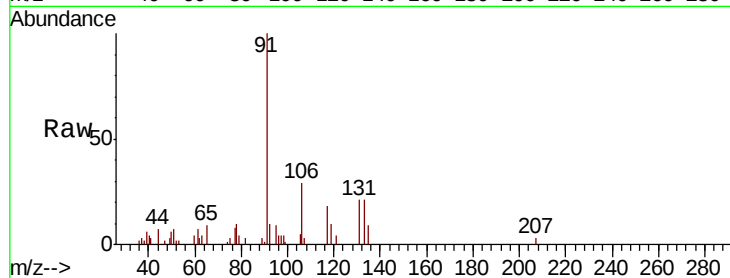
Ion Ratio Lower Upper

91 100

106 28.9 25.2 37.8

Manual Integrations
APPROVED

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10/14/2019 1:33:43 PM



#68

m/p-Xylenes

Concen: 0.849 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY000258.D

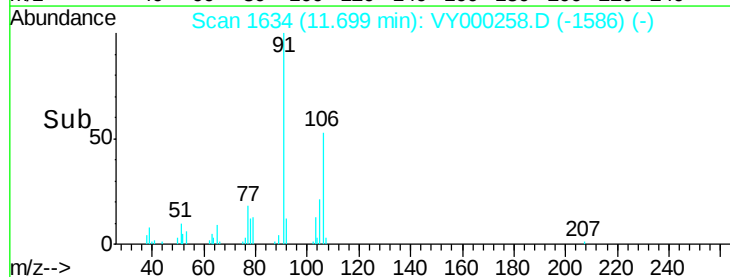
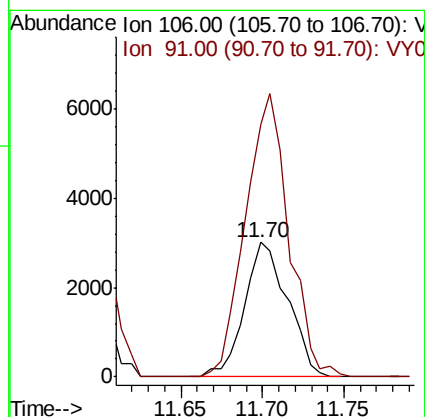
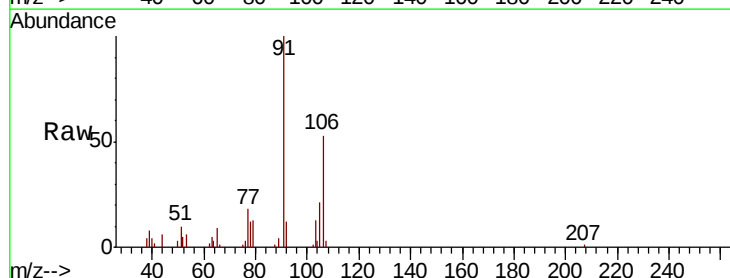
Acq: 10 Oct 2019 17:07

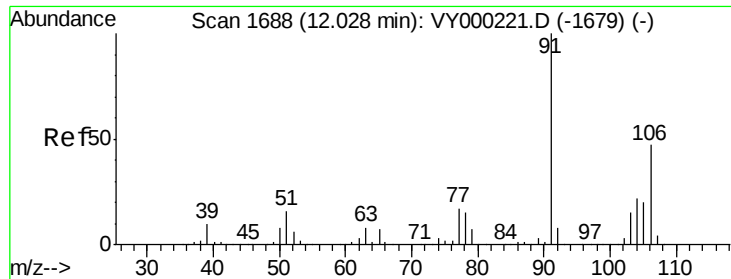
Tgt Ion: 106 Resp: 5546

Ion Ratio Lower Upper

106 100

91 210.7 159.9 239.9





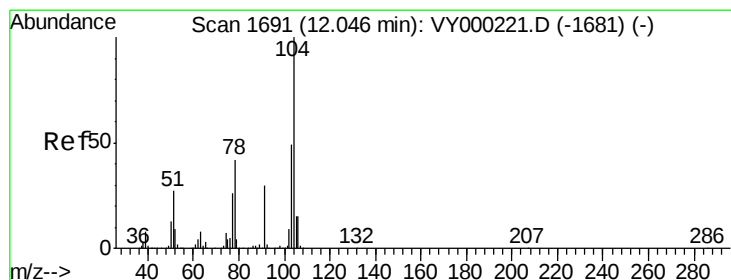
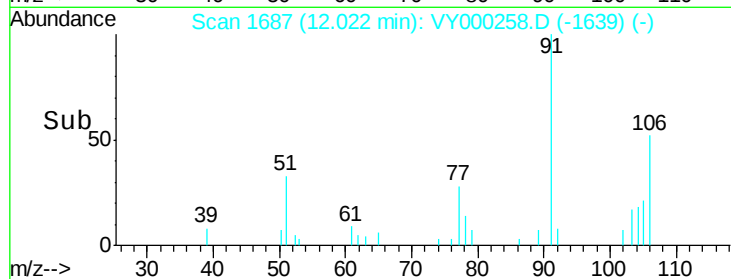
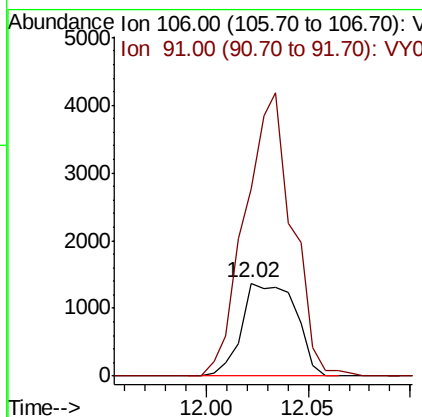
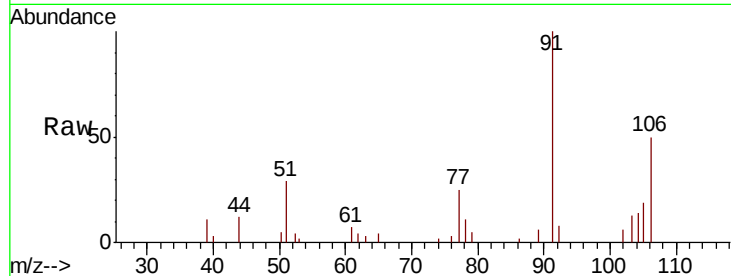
#69
o-Xylene
Concen: 0.401 ug/l
RT: 12.02 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion:106 Resp: 2523
Ion Ratio Lower Upper
106 100
91 267.6 106.1 318.1

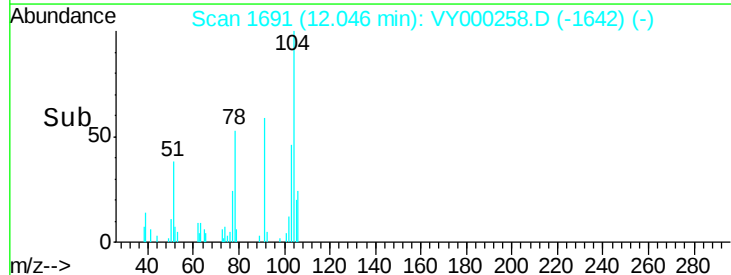
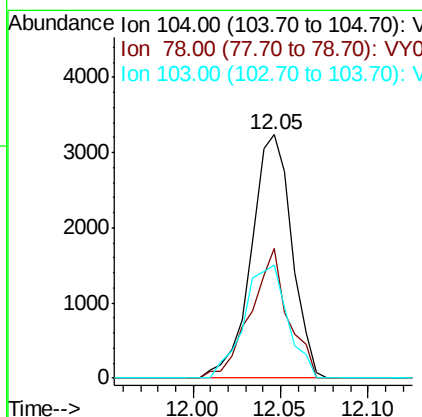
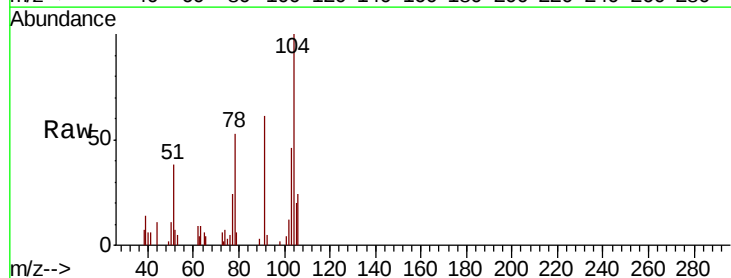
Manual Integrations
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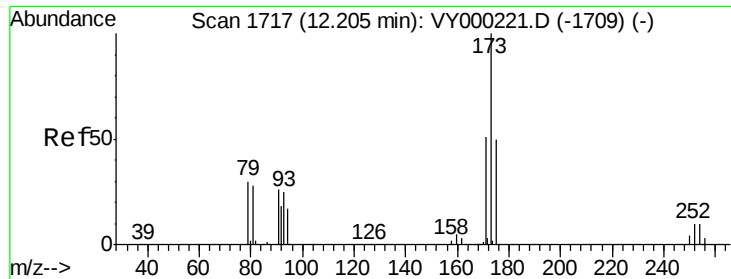
MMDadoda
10/14/2019 1:33:43 PM



#70
Styrene
Concen: 0.484 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion:104 Resp: 5246
Ion Ratio Lower Upper
104 100
78 49.1 39.0 58.4
103 49.9 43.1 64.7





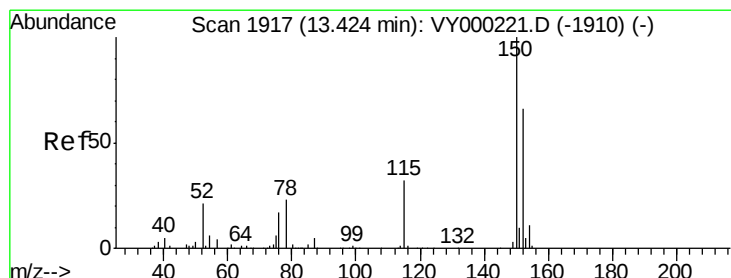
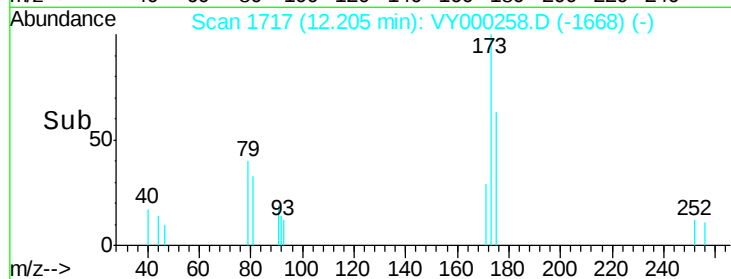
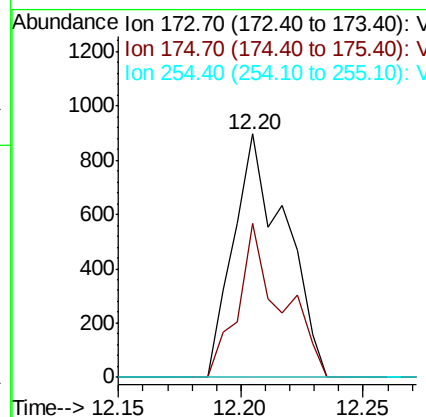
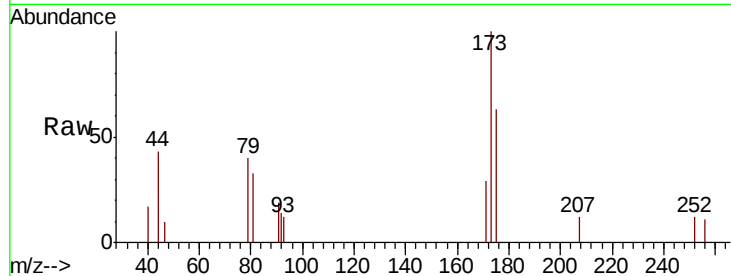
#71
Bromoform
Concen: 0.466 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.5	24.8	74.3
254	0.0	0.1	0.1

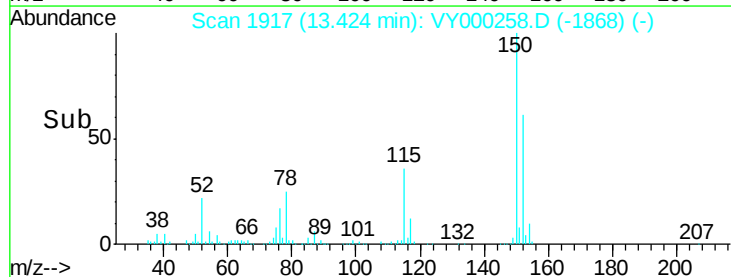
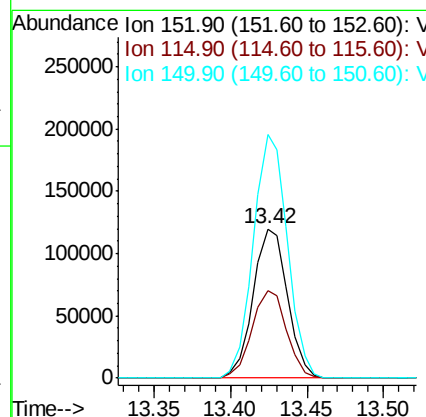
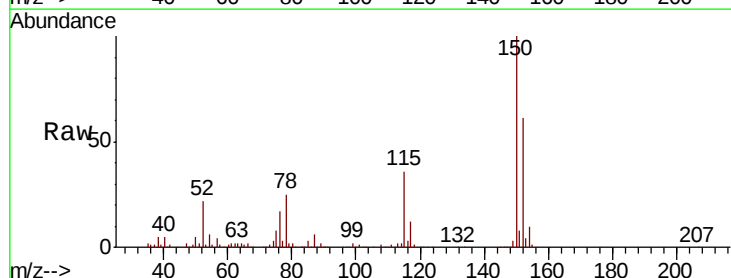
Manual Integrations
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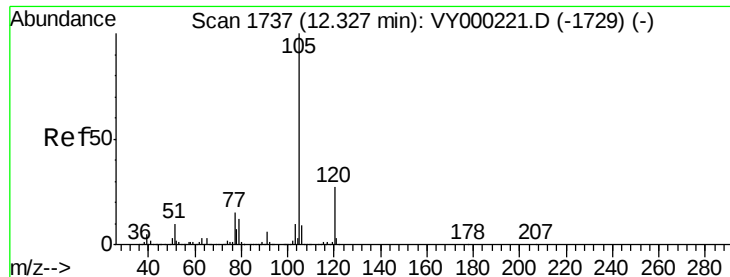
MMDadoda
10/14/2019 1:33:43 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	161.9	0.0	349.6





#73

Isopropylbenzene

Concen: 0.423 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 105 Resp: 6712

Ion Ratio Lower Upper

105 100

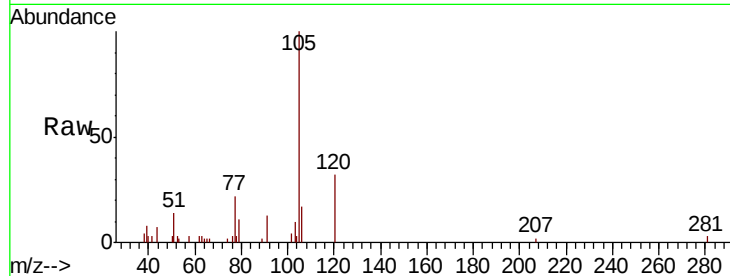
120 32.8 13.6 40.8

Manual Integrations

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MMDadoda

10/14/2019 1:33:43 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

5000

4000

3000

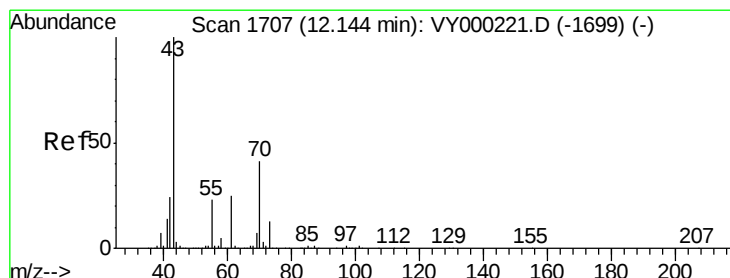
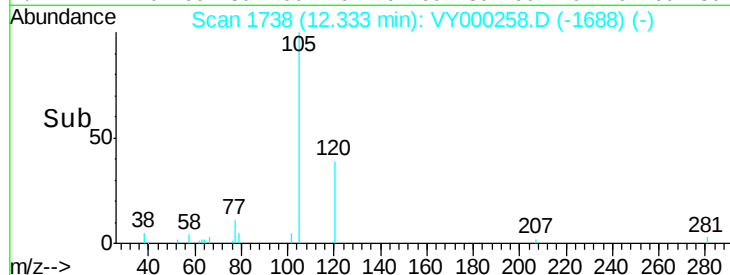
2000

1000

0

12.30 12.35

Time-->



#74

N-ethyl acetate

Concen: 0.390 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion: 43 Resp: 2944

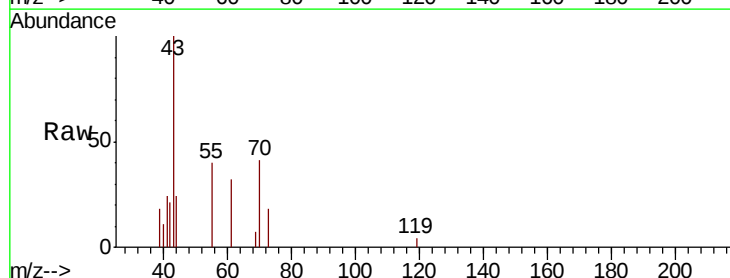
Ion Ratio Lower Upper

43 100

70 52.5 34.9 52.3#

55 31.3 18.2 27.2#

61 23.9 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

2500

2000

1500

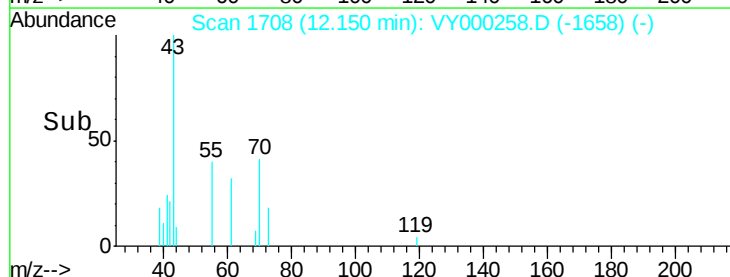
1000

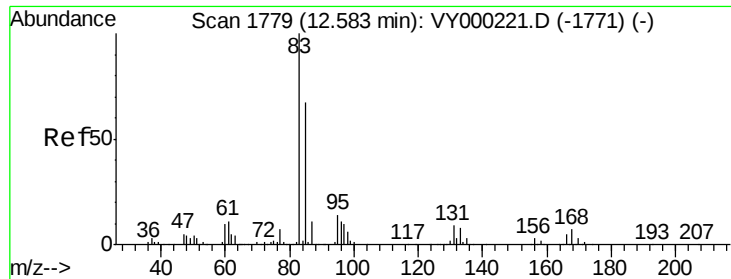
500

0

12.10 12.15 12.20

Time-->





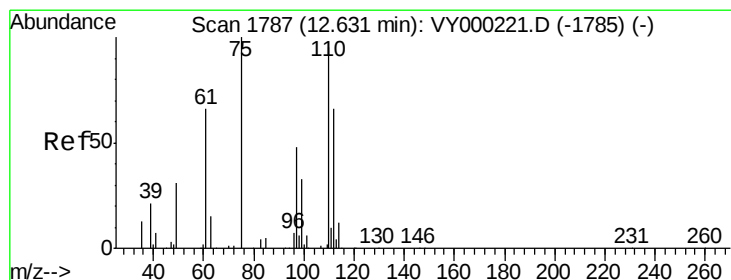
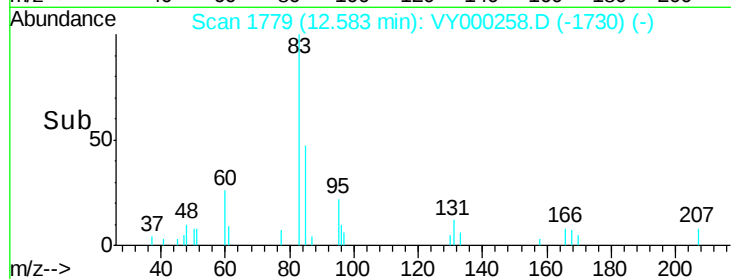
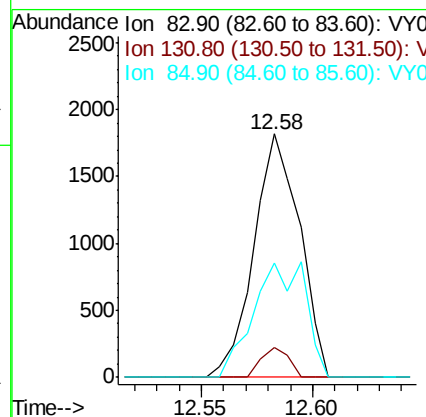
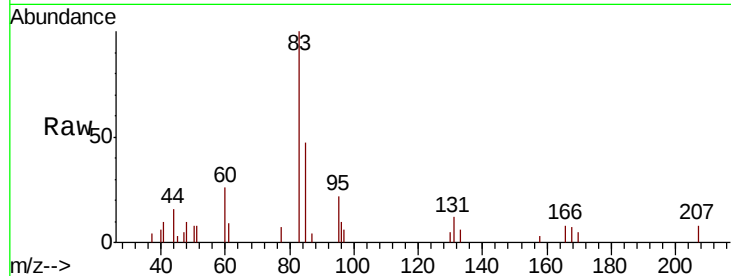
#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.480 ug/l
 RT: 12.58 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
83	100		
131	7.3	4.8	14.3
85	53.4	32.5	97.5

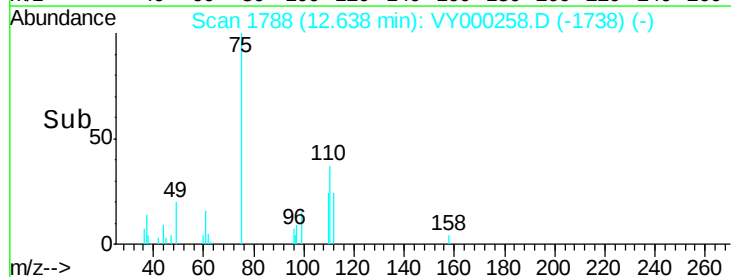
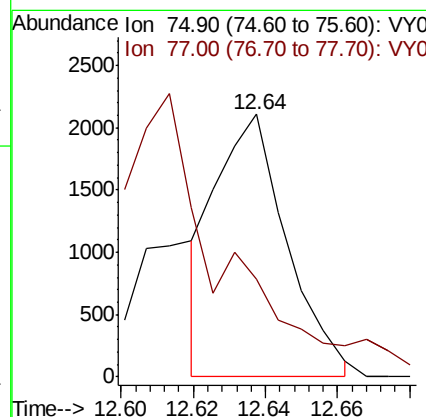
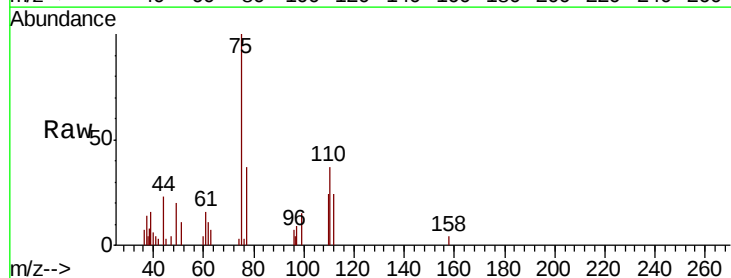
Manual Integrations
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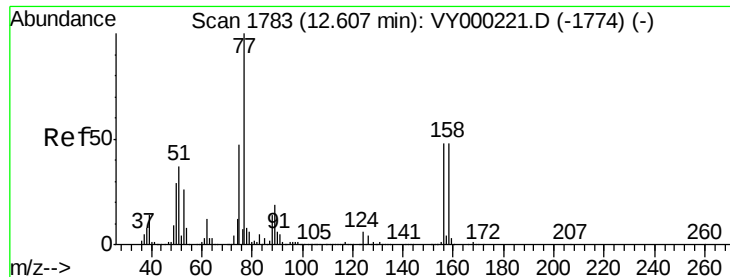
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 0.590 ug/l m
 RT: 12.64 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.485 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:156 Resp: 1806

Ion Ratio Lower Upper

156 100

77 269.0 118.1 354.3

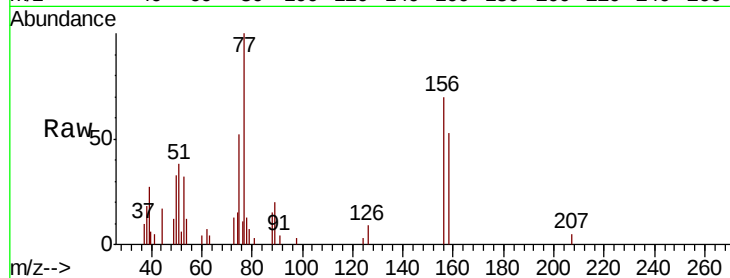
158 114.2 47.8 143.3

Manual Integrations

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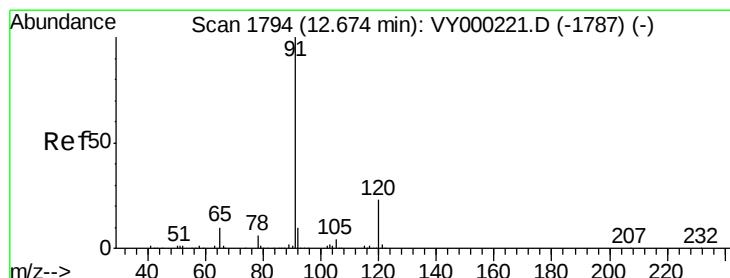
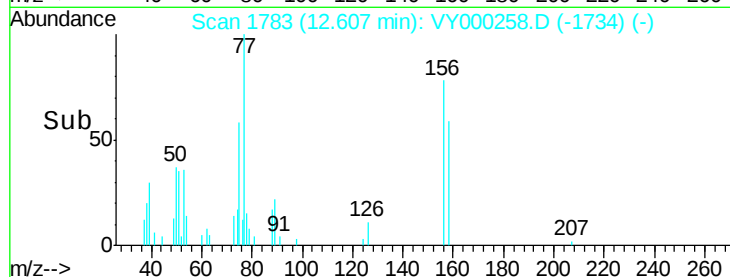
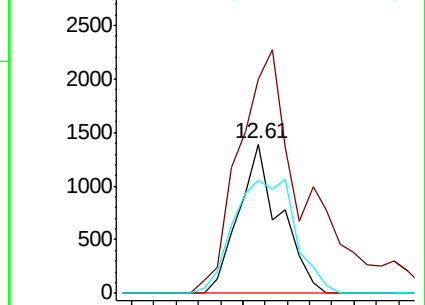
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.469 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY000258.D

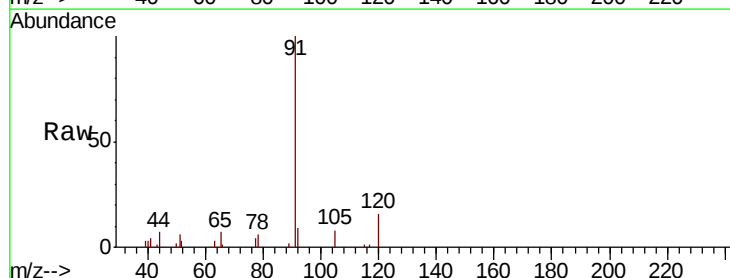
Acq: 10 Oct 2019 17:07

Tgt Ion: 91 Resp: 8695

Ion Ratio Lower Upper

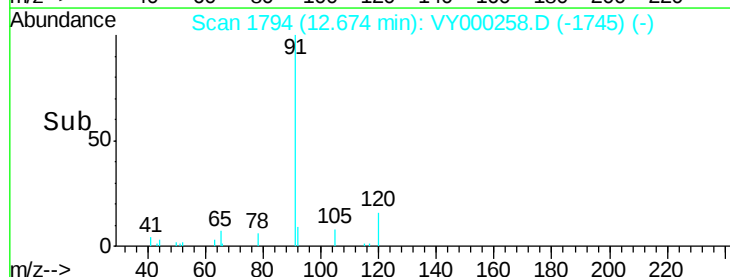
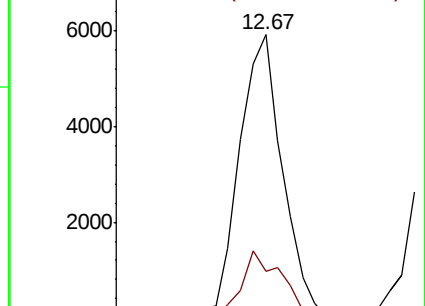
91 100

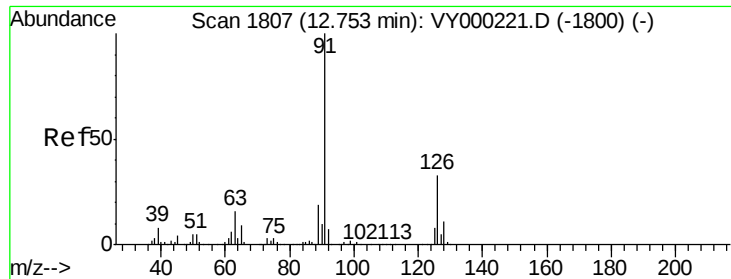
120 21.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





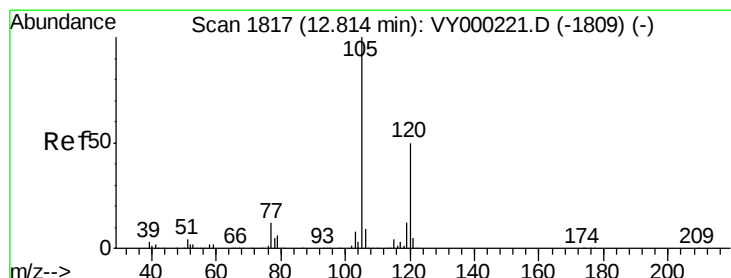
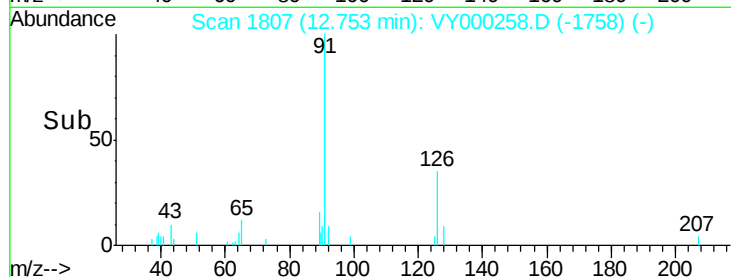
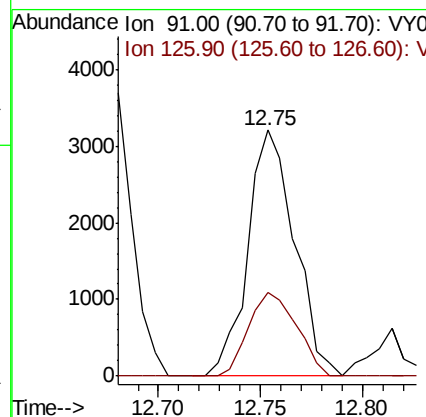
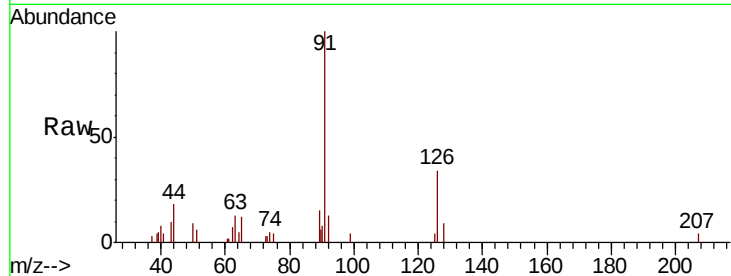
#79
2-Chlorotoluene
Concen: 0.479 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 91 Resp: 5114
Ion Ratio Lower Upper
91 100
126 34.9 17.2 51.6

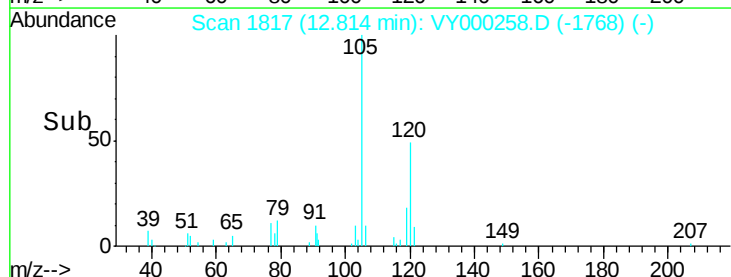
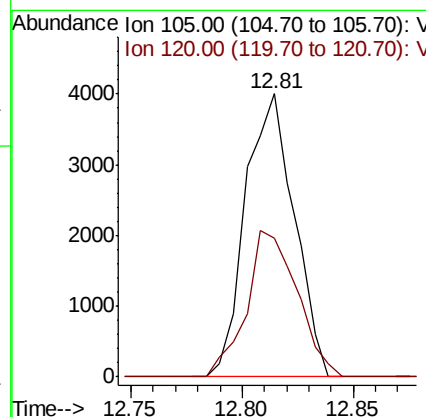
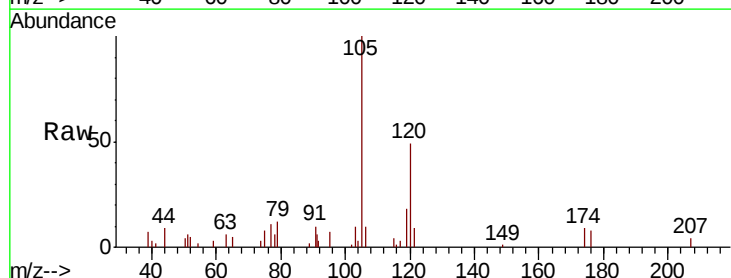
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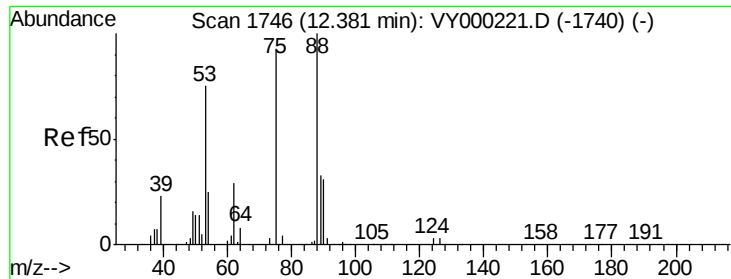
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 0.461 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion: 105 Resp: 6099
Ion Ratio Lower Upper
105 100
120 53.9 24.8 74.4





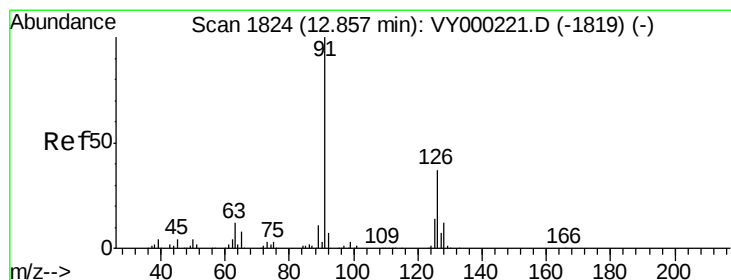
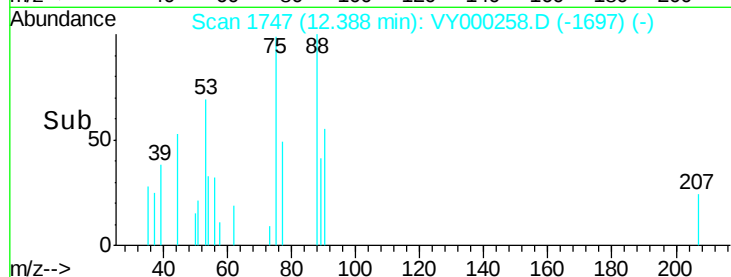
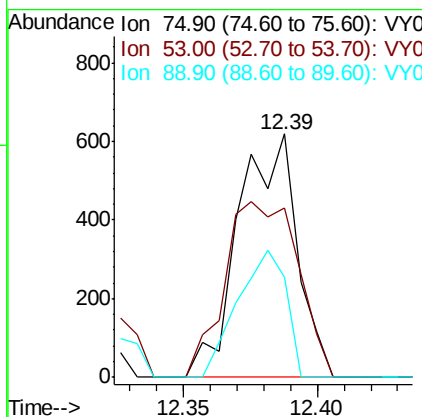
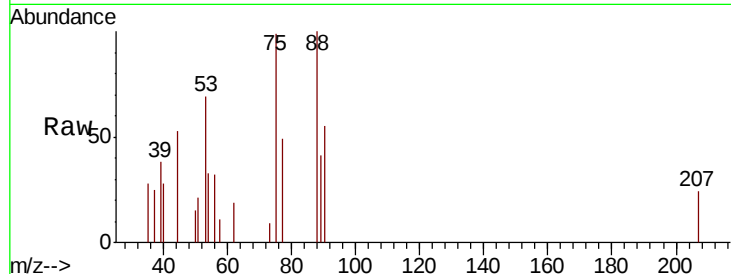
#81
trans-1,4-Dichloro-2-butene
Concen: 0.394 ug/l m
RT: 12.39 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.5	99.7#
89	0.0	46.9	70.3#

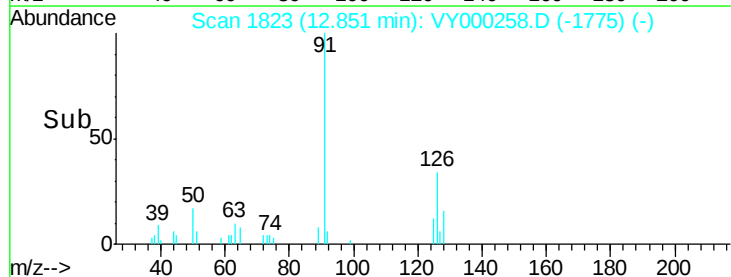
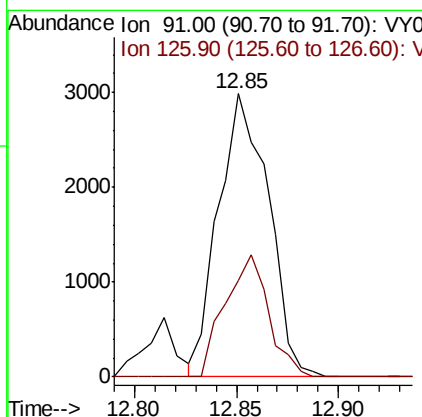
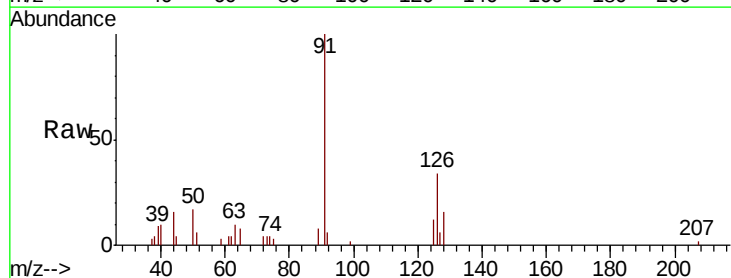
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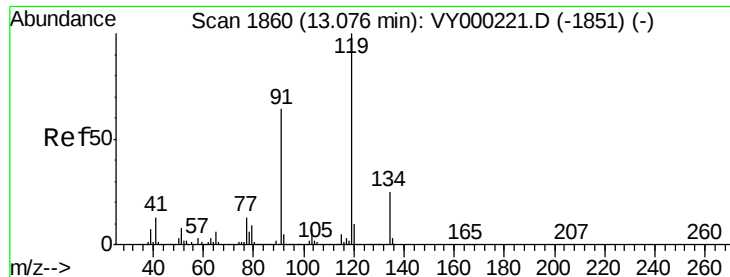
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#82
4-Chlorotoluene
Concen: 0.470 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.01 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.4	17.3	52.0





#83

tert-Butylbenzene

Concen: 0.396 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

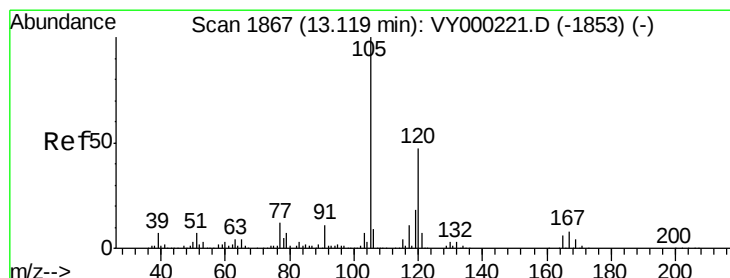
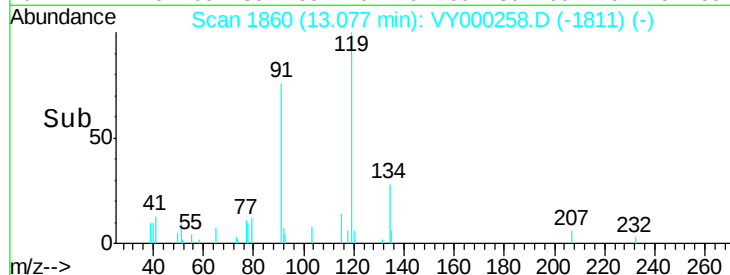
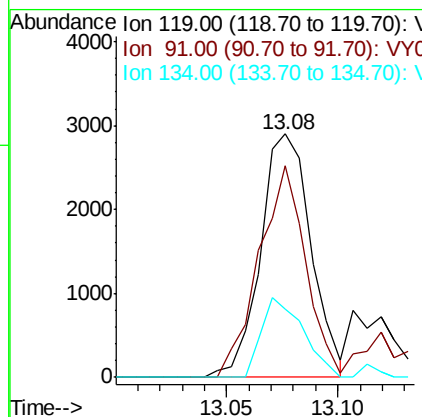
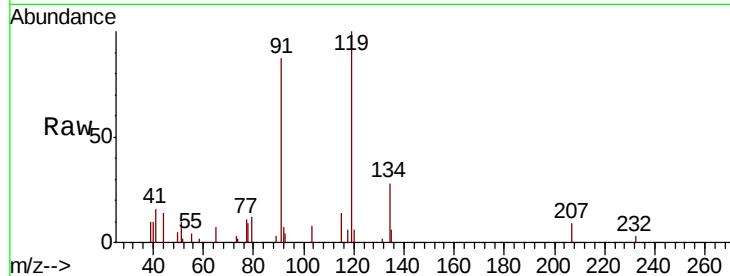
ClientSampleId :

0.5PPBMDL

Tot Ion:119	Resp:	4553
Ion Ratio	Lower	Upper
119 100		
91 80.8	32.4	97.2
134 27.3	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 0.451 ug/l

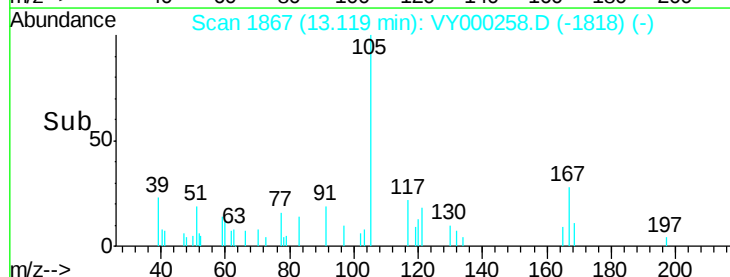
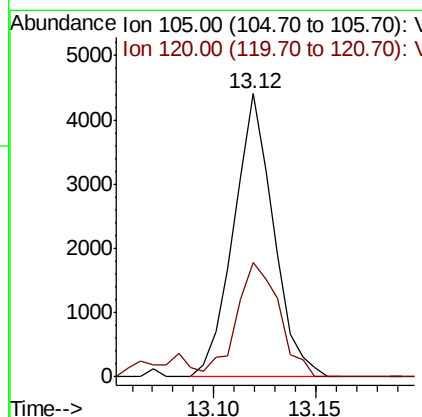
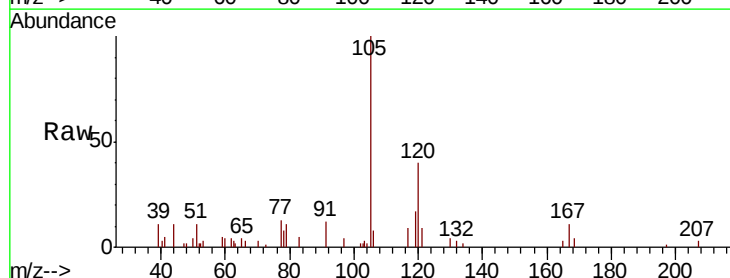
RT: 13.12 min Scan# 1867

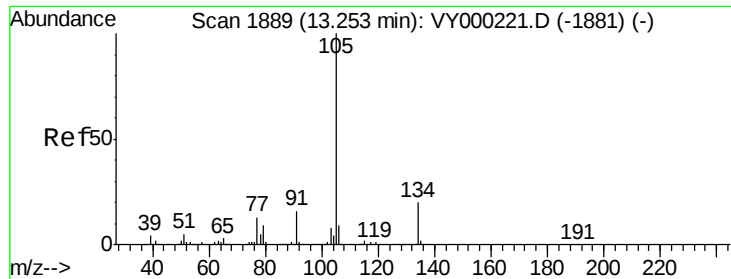
Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion:105	Resp:	5966
Ion Ratio	Lower	Upper
105 100		
120 42.6	22.8	68.3





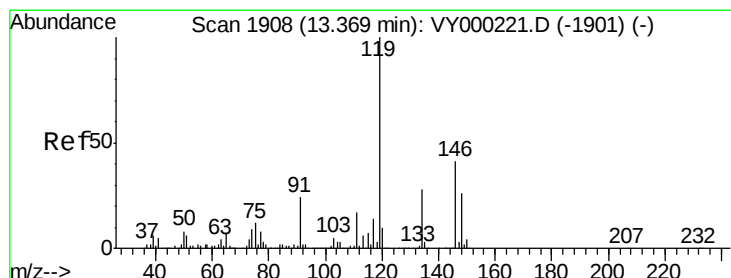
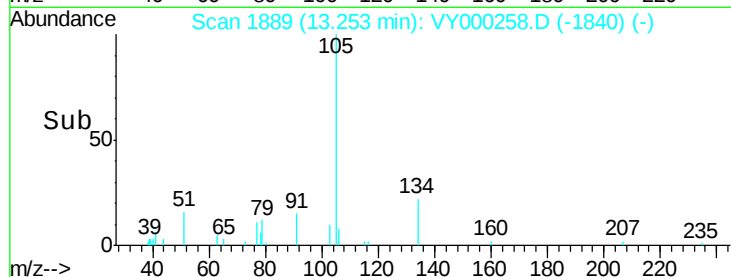
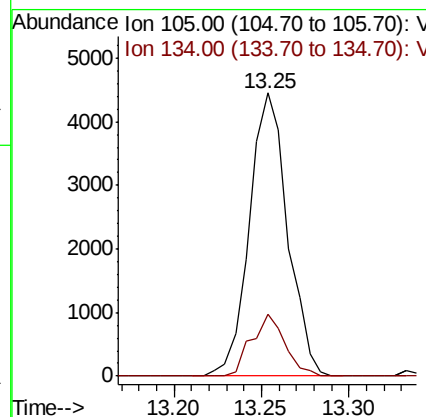
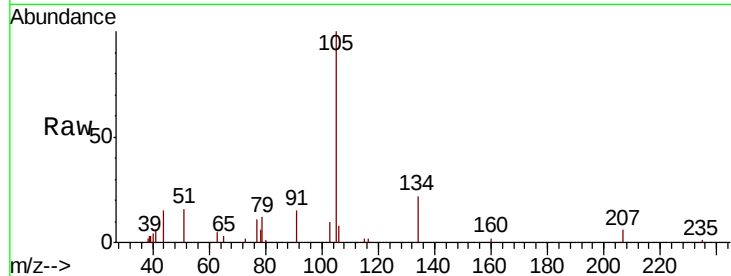
#85
 sec-Butylbenzene
 Concen: 0.425 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	10.2	30.6

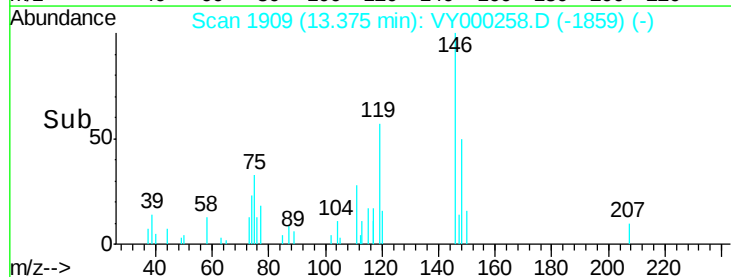
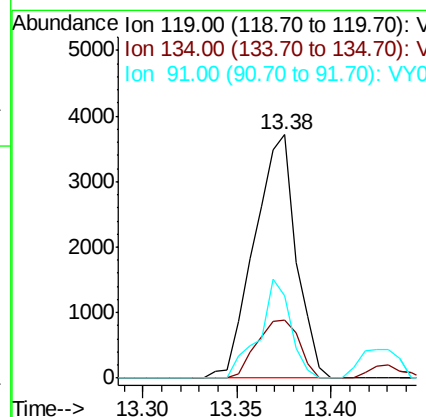
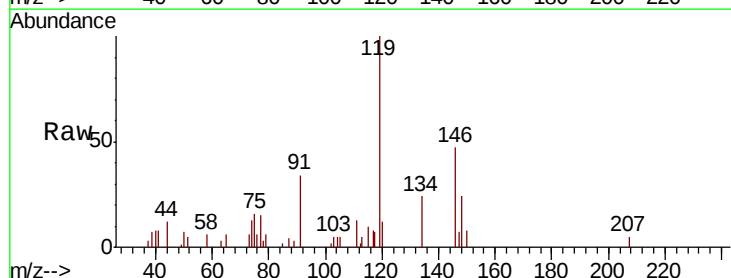
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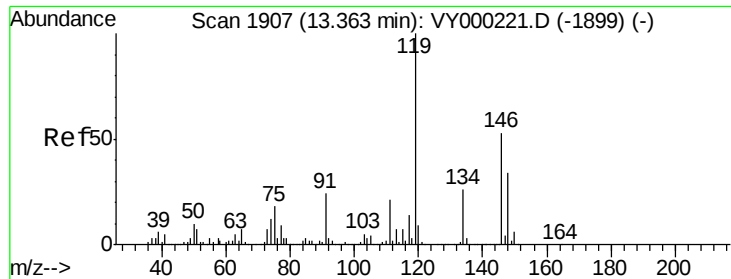
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#86
 p-Isopropyltoluene
 Concen: 0.410 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.1	13.3	39.9
91	30.6	11.7	35.1





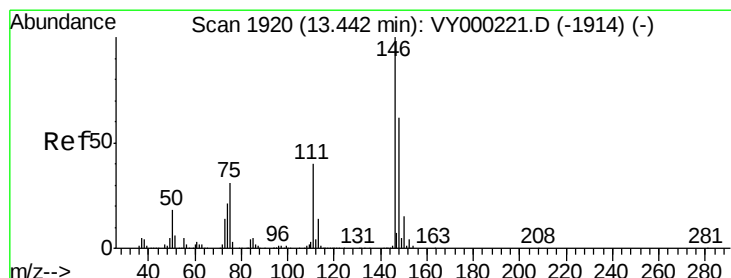
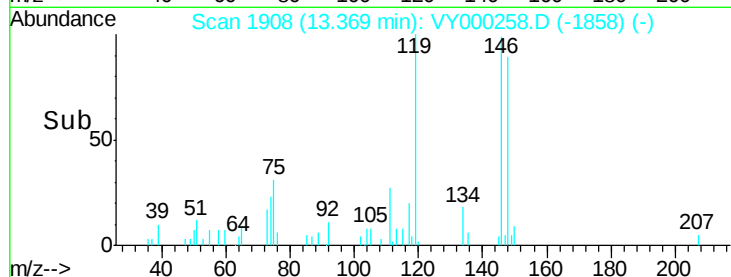
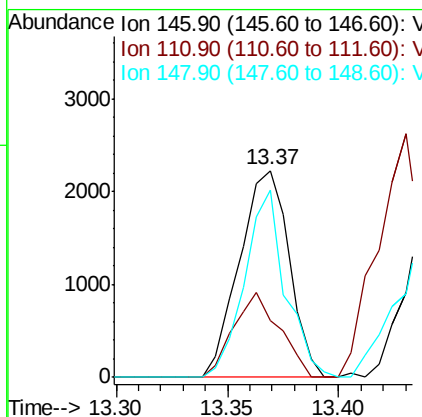
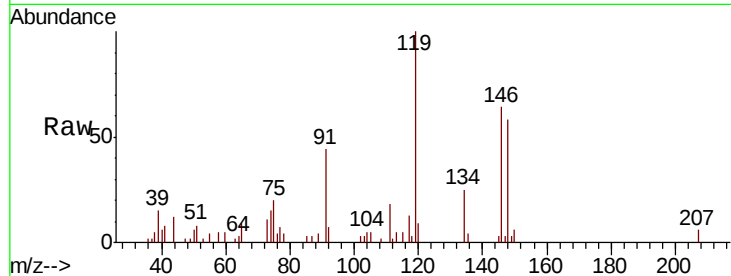
#87
 1,3-Dichlorobenzene
 Concen: 0.514 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.3	60.8
148	74.3	31.7	95.1

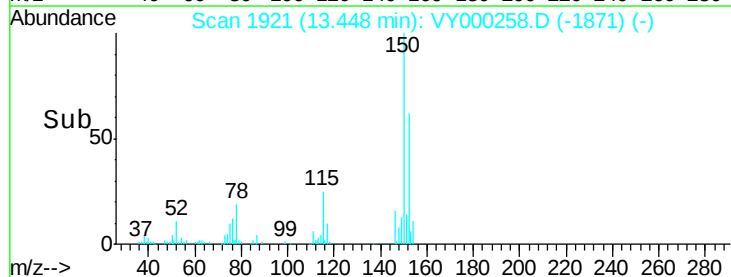
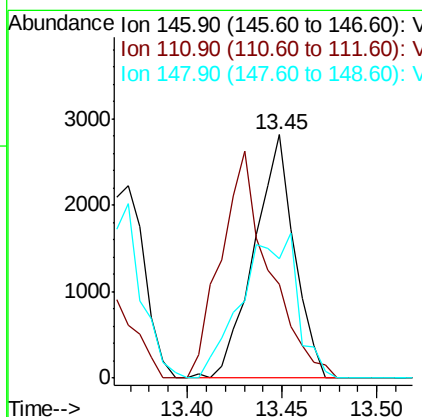
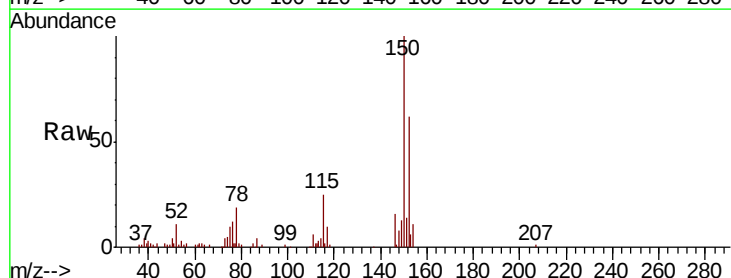
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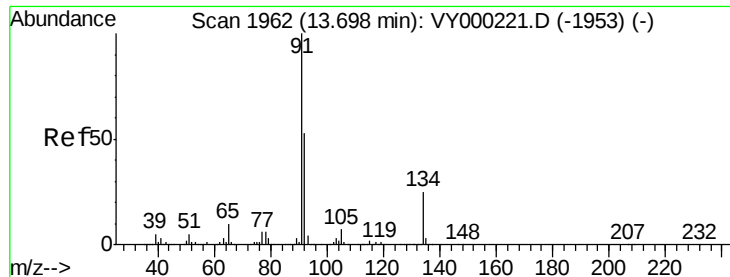
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#88
 1,4-Dichlorobenzene
 Concen: 0.594 ug/l m
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.2	19.8	59.3
148	61.8	31.6	94.8





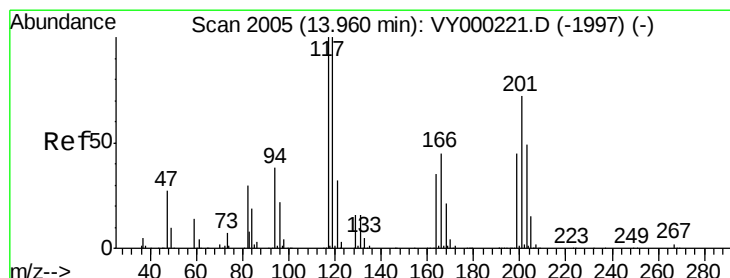
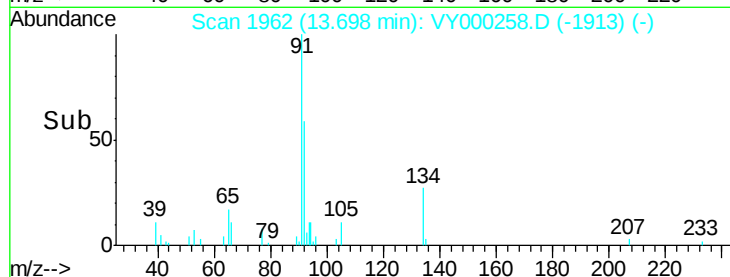
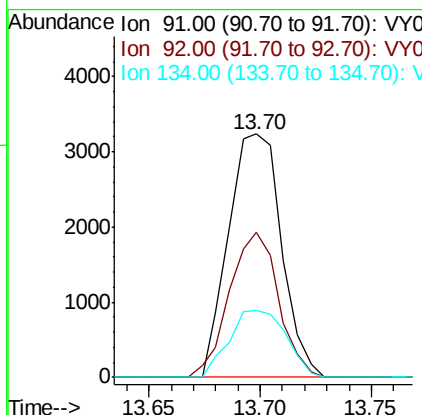
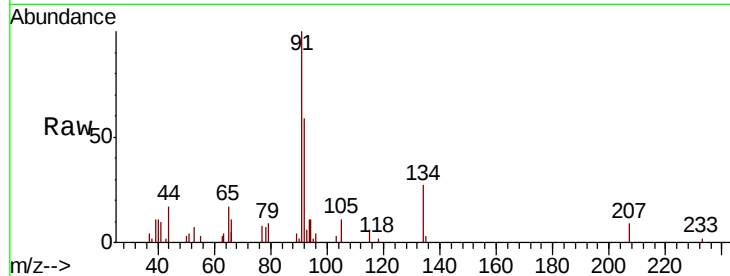
#89
n-Butylbenzene
Concen: 0.408 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.0	80.8
134	29.6	12.8	38.4

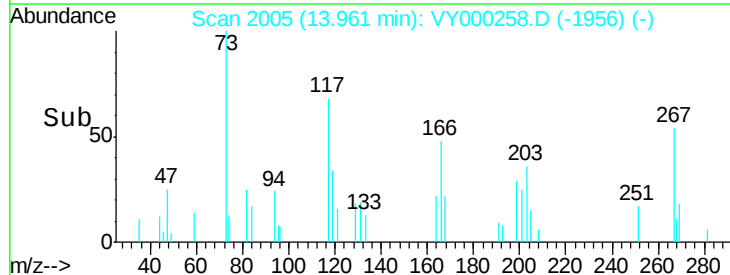
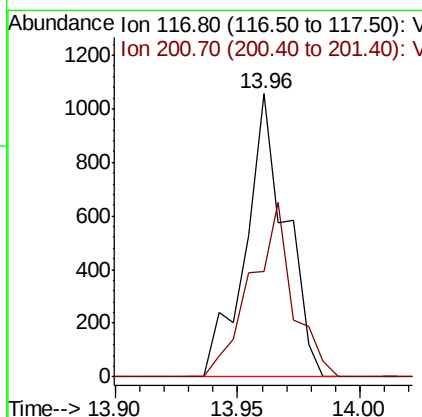
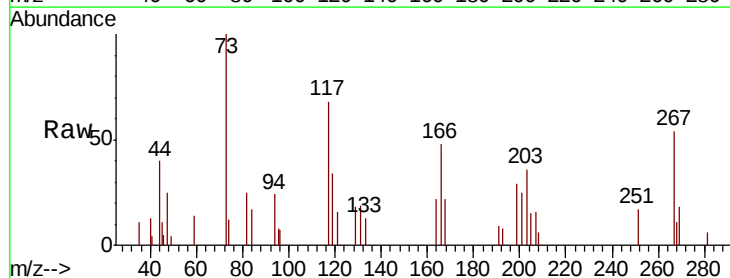
Manual Integrations
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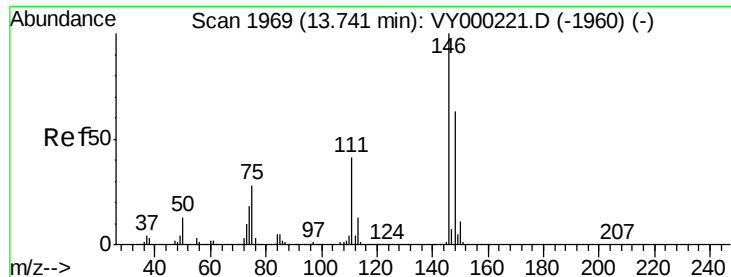
MMDadoda
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#90
Hexachloroethane
Concen: 0.458 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000258.D
Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.9	35.5	106.5





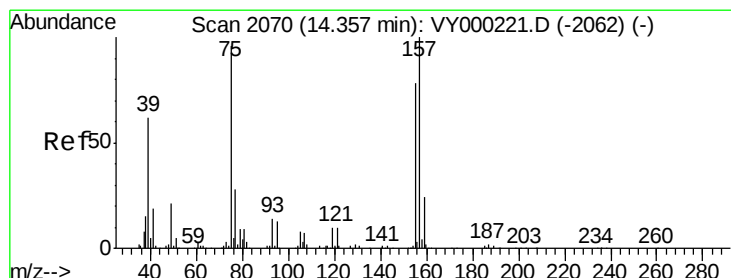
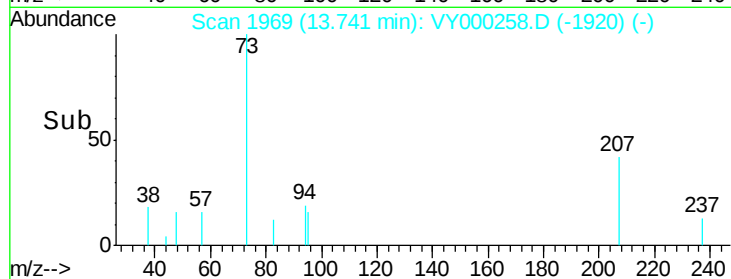
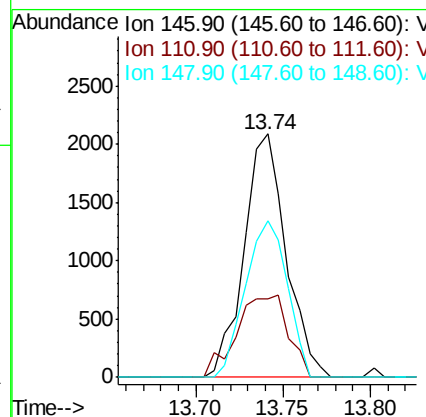
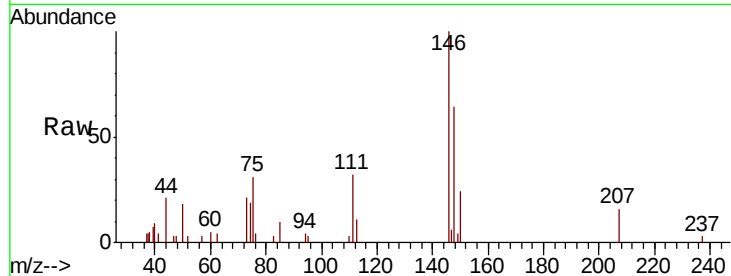
#91
 1,2-Dichlorobenzene
 Concen: 0.513 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.9	62.8
148	63.9	31.6	95.0

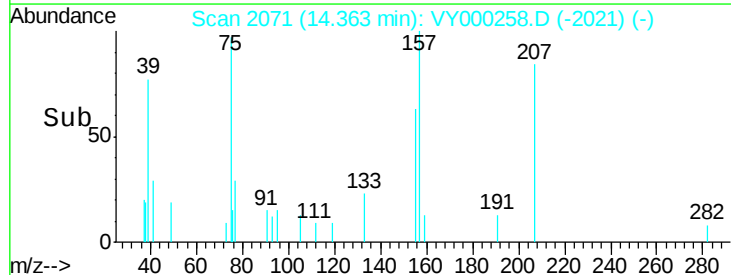
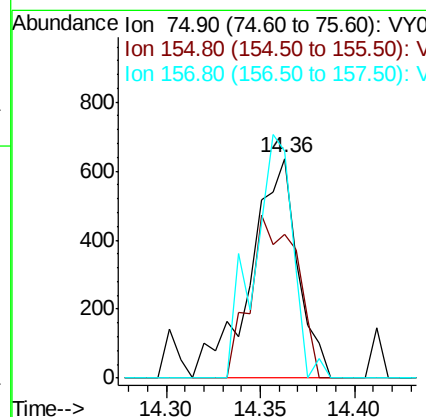
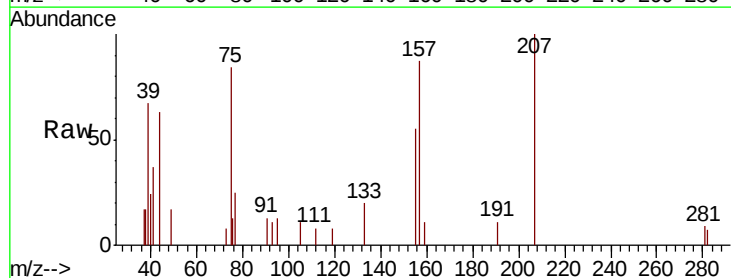
Manual Integrations
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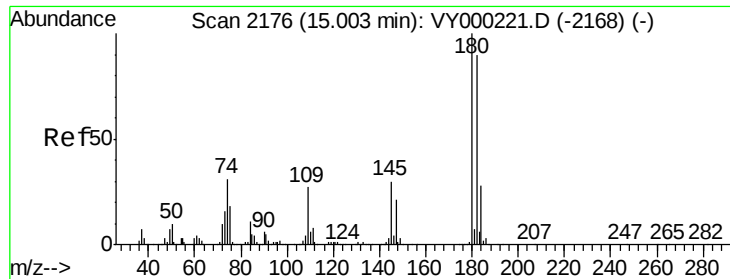
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.654 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. 0.01 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	42.4	127.3
157	90.8	53.8	161.5





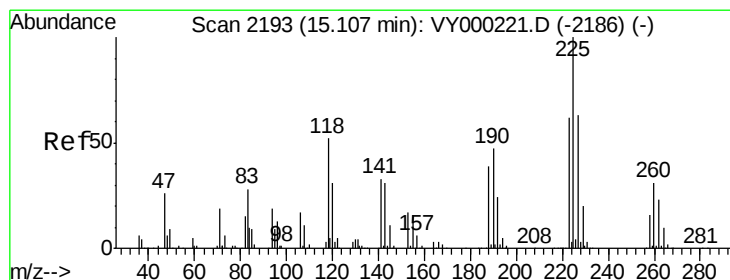
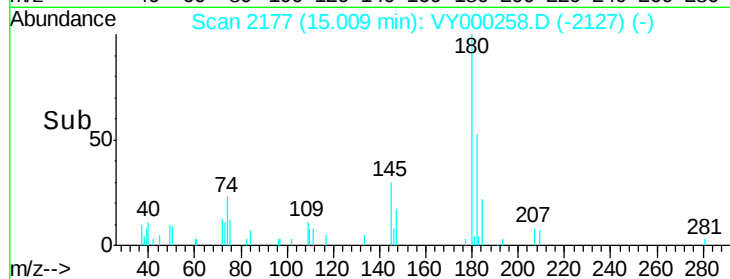
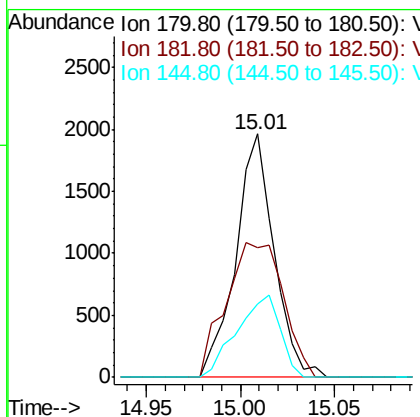
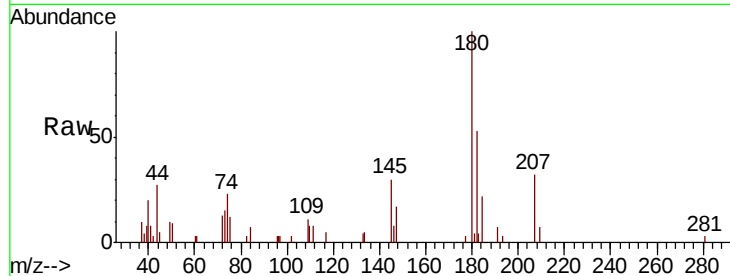
#93
 1,2,4-Trichlorobenzene
 Concen: 0.597 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.5	47.2	141.6
145	38.0	15.3	45.8

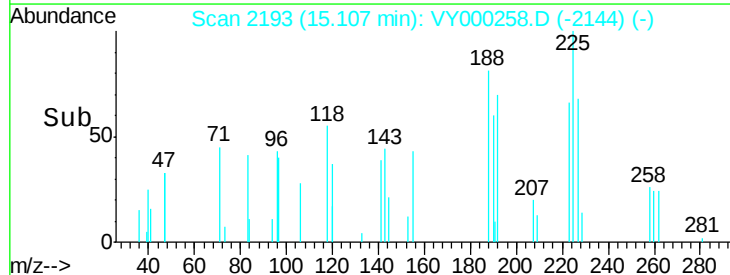
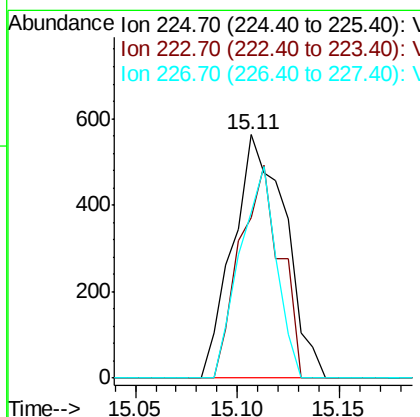
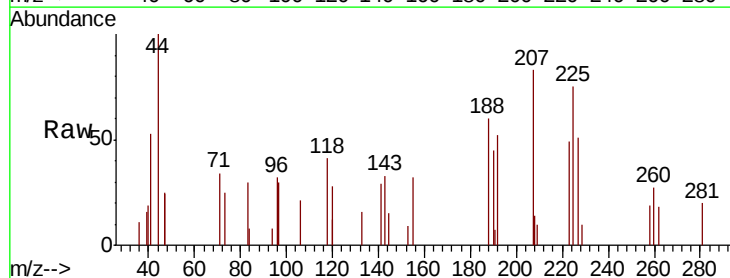
Manual Integrations
 APPROVED

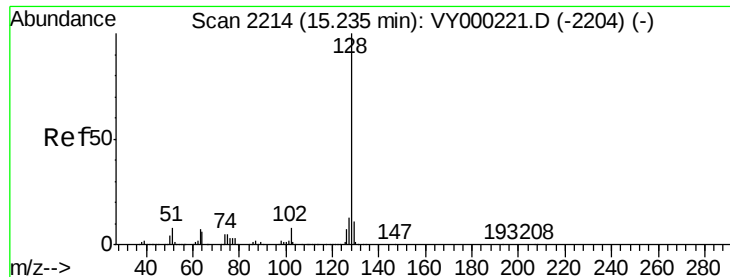
MMDadoda
 10/14/2019 1:33:43 PM



#94
 Hexachlorobutadiene
 Concen: 0.454 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000258.D
 Acq: 10 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.1	31.9	95.5
227	60.3	31.5	94.5





#95

Naphthalene

Concen: 0.535 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Instrument :

MSVOA_Y

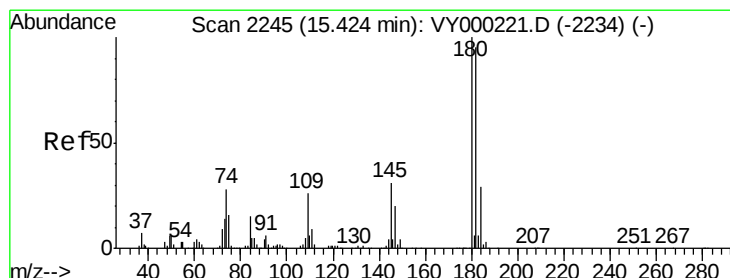
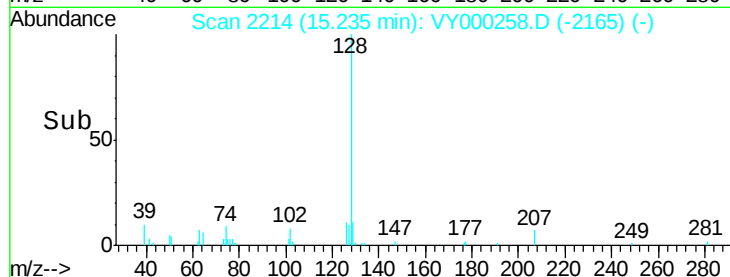
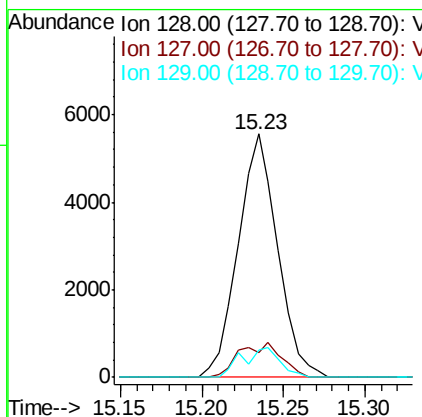
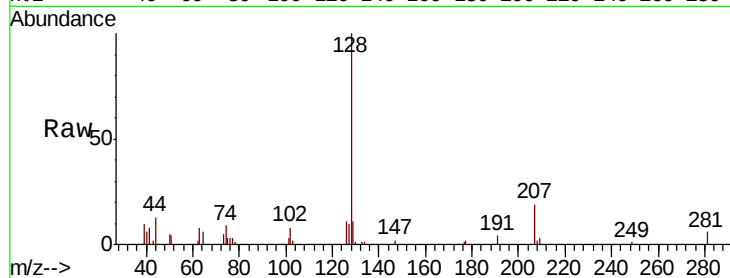
ClientSampleId :

0.5PPBMDL

Tot Ion:	128	Resp:	9322
Ion Ratio	Lower	Upper	
128	100		
127	15.4	10.2	15.2#
129	11.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/14/2019 1:33:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 0.533 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VY000258.D

Acq: 10 Oct 2019 17:07

Tgt Ion:	180	Resp:	2378
Ion Ratio	Lower	Upper	
180	100		
182	89.1	47.9	143.7
145	34.9	16.3	48.9

