

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000240.D
 Acq On : 09 Oct 2019 14:00
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:40:38 AM

Quant Time: Oct 10 02:10:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 02:06:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	286687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	465064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	407737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	191587	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	166920	45.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.54%	
35) Dibromofluoromethane	7.73	113	135650	46.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.62%	
50) Toluene-d8	10.19	98	516770	45.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.80%	
62) 4-Bromofluorobenzene	12.48	95	179154	44.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	6513	2.276	ug/l	76
3) Chloromethane	2.12	50	8115	2.082	ug/l #	87
4) Vinyl Chloride	2.26	62	8572	2.130	ug/l #	84
5) Bromomethane	2.65	94	8167	3.217	ug/l	92
6) Chloroethane	2.79	64	5677	2.234	ug/l	95
7) Trichlorofluoromethane	3.13	101	12514	2.406	ug/l	96
8) Diethyl Ether	3.53	74	5377	2.261	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	7250	2.388	ug/l	95
10) Methyl Iodide	4.10	142	6241	1.394	ug/l #	94
11) Tert butyl alcohol	4.97	59	28002	13.979	ug/l #	95
12) 1,1-Dichloroethene	3.88	96	6891	2.186	ug/l	95
13) Acrolein	3.74	56	12609	11.991	ug/l	99
14) Allyl chloride	4.48	41	10408	1.960	ug/l #	86
15) Acrylonitrile	5.18	53	38968	11.020	ug/l	98
16) Acetone	3.96	43	34104	11.678	ug/l	90
17) Carbon Disulfide	4.20	76	19384	2.087	ug/l #	94
18) Methyl Acetate	4.49	43	19587	2.447	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	24742	2.146	ug/l #	85
20) Methylene Chloride	4.72	84	8684	2.264	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	7624	2.150	ug/l #	90
22) Diisopropyl ether	6.13	45	24479	1.989	ug/l #	92
23) Vinyl Acetate	6.07	43	115680	10.380	ug/l	98
24) 1,1-Dichloroethane	6.02	63	14420	2.297	ug/l	96
25) 2-Butanone	7.00	43	58880	10.899	ug/l	94
26) 2,2-Dichloropropane	7.00	77	13581	2.397	ug/l #	76
27) cis-1,2-Dichloroethene	7.00	96	9766	2.338	ug/l	92
28) Bromochloromethane	7.35	49	4676	2.263	ug/l #	80
29) Tetrahydrofuran	7.36	42	40454	10.603	ug/l	94
30) Chloroform	7.52	83	15337	2.355	ug/l	93
31) Cyclohexane	7.80	56	18838	2.971	ug/l #	66
32) 1,1,1-Trichloroethane	7.72	97	12559	2.268	ug/l	94
36) 1,1-Dichloropropene	7.92	75	11268	2.381	ug/l	97
37) Ethyl Acetate	7.08	43	18934	2.213	ug/l #	94
38) Carbon Tetrachloride	7.91	117	11170	2.422	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	12976	2.186	ug/l	93
40) Benzene	8.17	78	33089	2.305	ug/l	94
41) Methacrylonitrile	7.35	41	16569m	2.461	ug/l	
42) 1,2-Dichloroethane	8.25	62	11967	2.567	ug/l	98
43) Isopropyl Acetate	8.28	43	25203	2.289	ug/l	98
44) Trichloroethene	8.95	130	9852	2.531	ug/l	88
45) 1,2-Dichloropropane	9.22	63	8391	2.334	ug/l	97
46) Dibromomethane	9.31	93	5575	2.212	ug/l	95
47) Bromodichloromethane	9.50	83	11062	2.244	ug/l	97
48) Methyl methacrylate	9.30	41	10451	2.103	ug/l	94
49) 1,4-Dioxane	9.31	88	5792	45.398	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	93479	11.296	ug/l	99
52) Toluene	10.25	92	19851	2.156	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	11619	2.077	ug/l	94
54) cis-1,3-Dichloropropene	9.94	75	12965	2.142	ug/l #	84
55) 1,1,2-Trichloroethane	10.65	97	8107	2.233	ug/l #	85
56) Ethyl methacrylate	10.52	69	13663	2.138	ug/l	95
57) 1,3-Dichloropropane	10.80	76	13510	2.180	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.79	63	31934	11.209	ug/l	96
59) 2-Hexanone	10.84	43	75170	10.718	ug/l	97
60) Dibromochloromethane	10.99	129	8421	2.194	ug/l	98
61) 1,2-Dibromoethane	11.10	107	8760	2.272	ug/l	99
64) Tetrachloroethene	10.72	164	10205	2.738	ug/l	84
65) Chlorobenzene	11.52	112	22433	2.374	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.60	131	8116	2.403	ug/l	97
67) Ethyl Benzene	11.60	91	39132	2.317	ug/l	93
68) m/p-Xylenes	11.70	106	30840	4.785	ug/l	95
69) o-Xylene	12.03	106	15345	2.471	ug/l	88
70) Styrene	12.05	104	23187	2.168	ug/l	97
71) Bromoform	12.21	173	6554	2.351	ug/l #	98
73) Isopropylbenzene	12.33	105	38268	2.357	ug/l	99
74) N-amyl acetate	12.14	43	14194	1.836	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	13273	2.396	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	12544m	2.480	ug/l	
77) Bromobenzene	12.61	156	9334	2.452	ug/l	88
78) n-propylbenzene	12.67	91	42437	2.238	ug/l	98
79) 2-Chlorotoluene	12.76	91	24641	2.257	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	30822	2.275	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	4488	1.831	ug/l #	84
82) 4-Chlorotoluene	12.86	91	25908	2.343	ug/l	99
83) tert-Butylbenzene	13.08	119	26891	2.284	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	30501	2.254	ug/l	100
85) sec-Butylbenzene	13.25	105	37443	2.307	ug/l	100
86) p-Isopropyltoluene	13.37	119	31803	2.228	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	16833	2.440	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	17992	2.503	ug/l	90
89) n-Butylbenzene	13.69	91	29922	2.225	ug/l	94
90) Hexachloroethane	13.96	117	6480	2.400	ug/l	94
91) 1,2-Dichlorobenzene	13.74	146	16809	2.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4031	2.330	ug/l	98

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ClientSampleId :
2.5PPBMDL

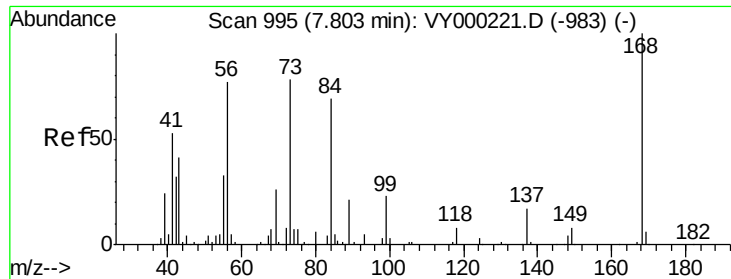
Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:38 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	11530	2.432	ug/l	94
94) Hexachlorobutadiene	15.11	225	5458	2.409	ug/l	91
95) Naphthalene	15.23	128	39349	2.206	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	11073	2.428	ug/l	95

(#) = 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: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:168 Resp: 286687

Ion Ratio Lower Upper

168 100

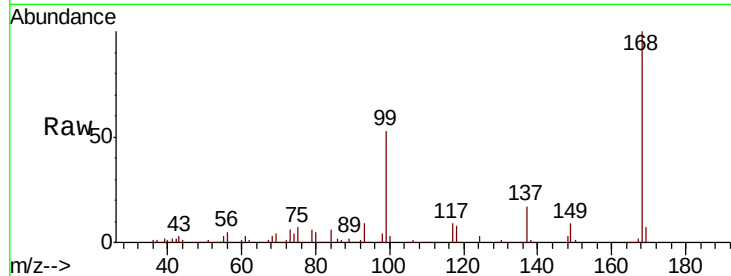
99 53.1 45.0 67.6

Manual Integrations

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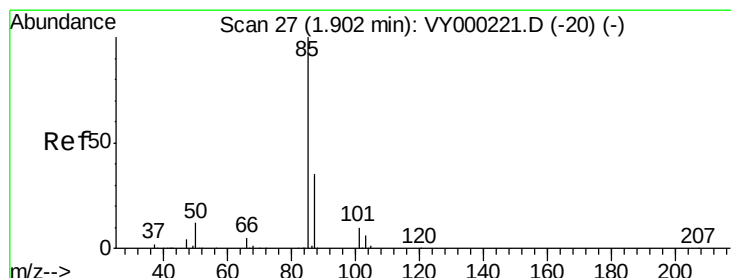
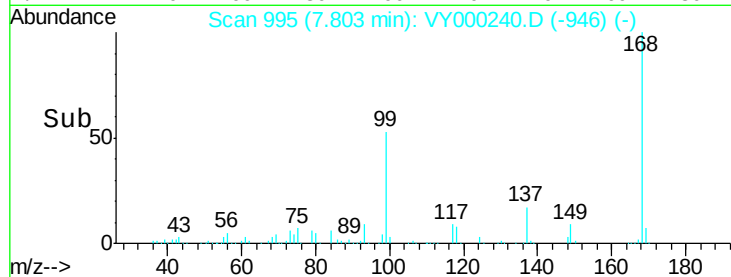
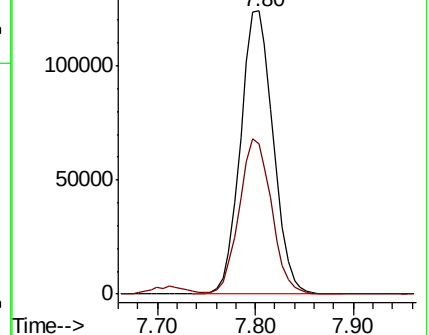
MMDadoda

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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) (-)



#2

Dichlorodifluoromethane

Concen: 2.276 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000240.D

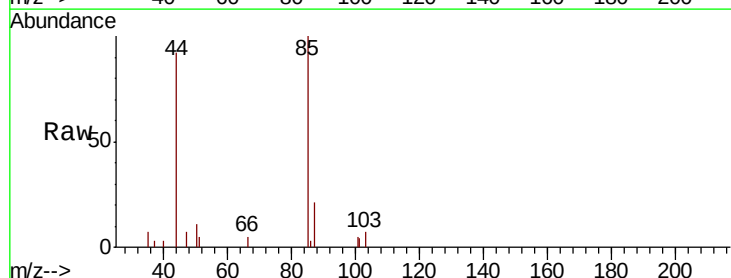
Acq: 09 Oct 2019 14:00

Tgt Ion: 85 Resp: 6513

Ion Ratio Lower Upper

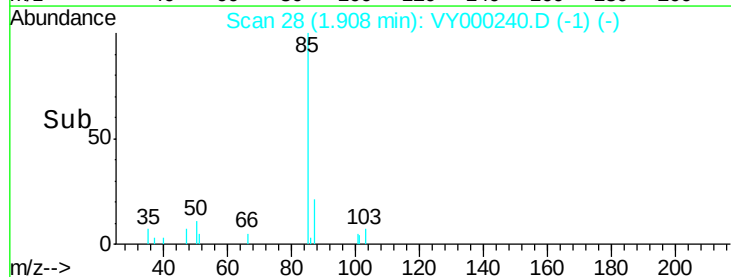
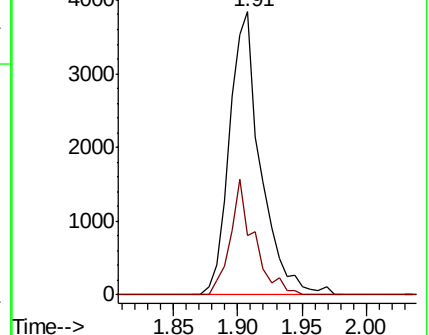
85 100

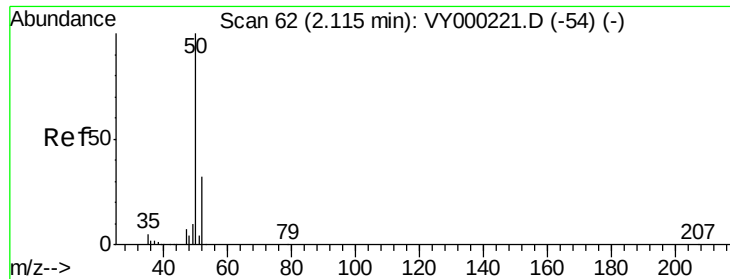
87 20.8 17.4 52.2



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

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





#3

Chloromethane

Concen: 2.082 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 50 Resp: 8115

Ion Ratio Lower Upper

50 100

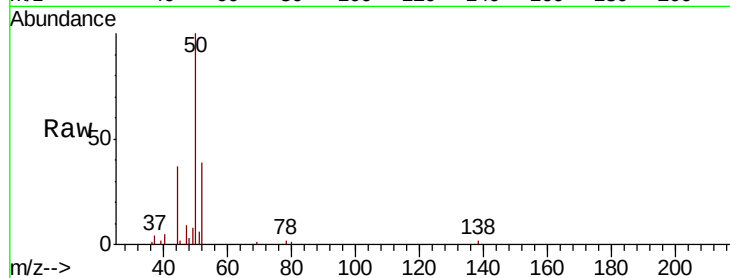
52 38.6 25.4 38.0#

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

6000

5000

4000

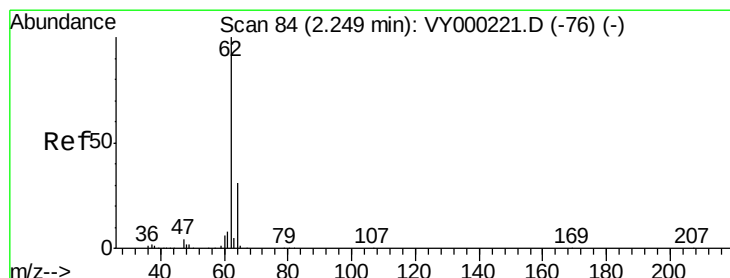
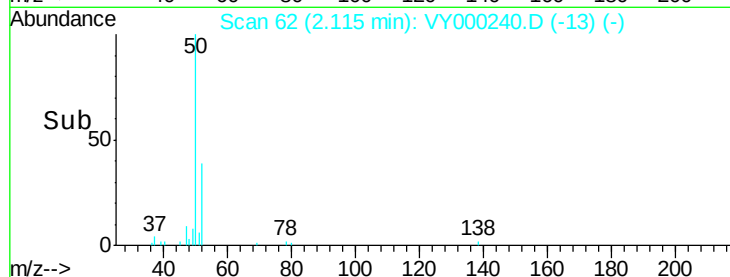
3000

2000

1000

0

Time-->



#4

Vinyl Chloride

Concen: 2.130 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000240.D

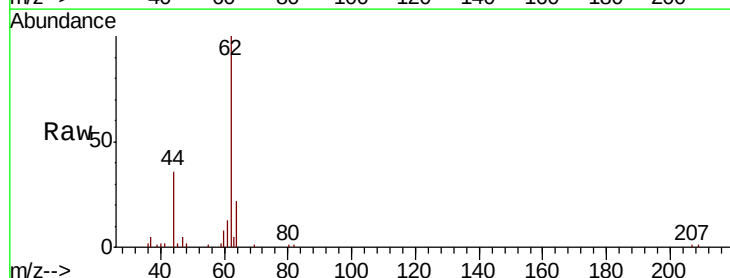
Acq: 09 Oct 2019 14:00

Tgt Ion: 62 Resp: 8572

Ion Ratio Lower Upper

62 100

64 22.3 25.0 37.6#



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

6000

5000

4000

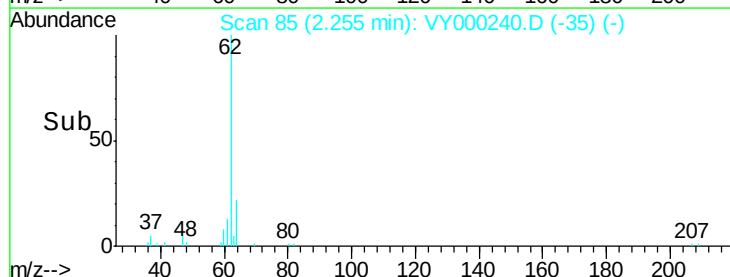
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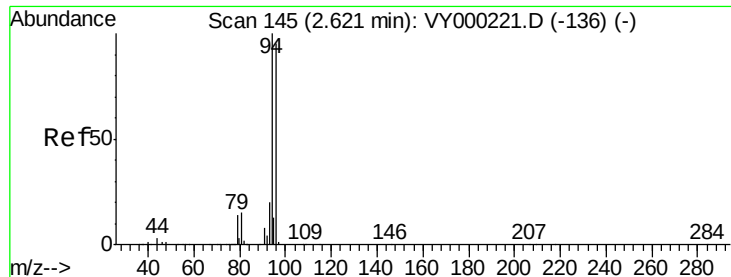
2000

1000

0

Time-->





#5

Bromomethane

Concen: 3.217 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.02 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 94 Resp: 8167

Ion Ratio Lower Upper

94 100

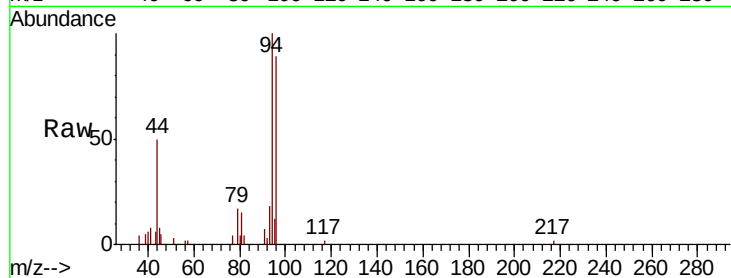
96 86.9 75.7 113.5

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

3000

2000

1000

0

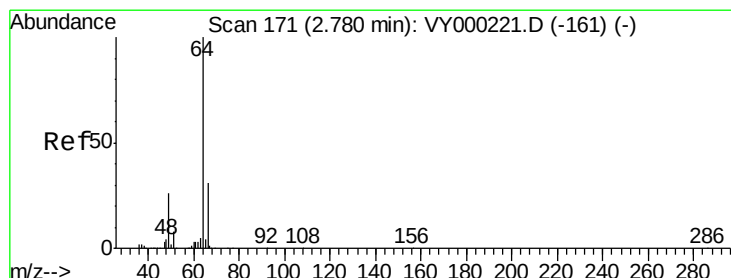
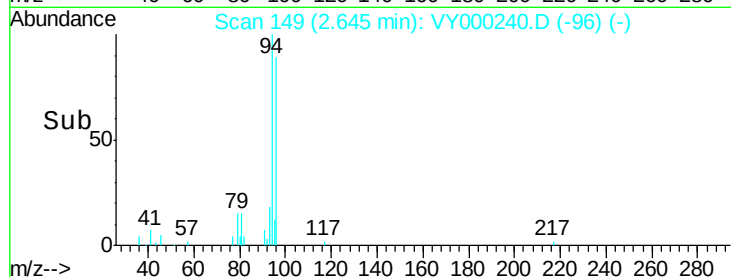
Time-->

2.55

2.60

2.65

2.70



#6

Chloroethane

Concen: 2.234 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.01 min

Lab File: VY000240.D

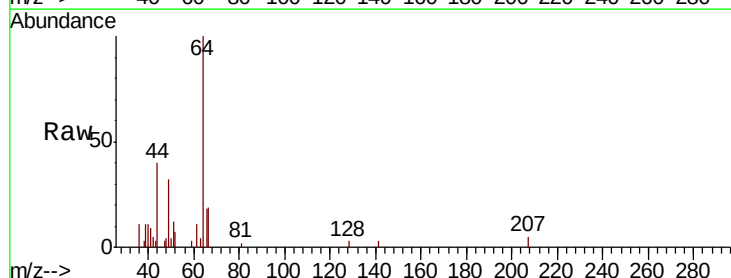
Acq: 09 Oct 2019 14:00

Tgt Ion: 64 Resp: 5677

Ion Ratio Lower Upper

64 100

66 33.3 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.79

3000

2500

2000

1500

1000

500

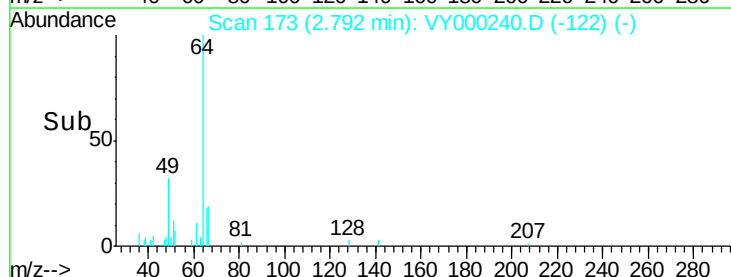
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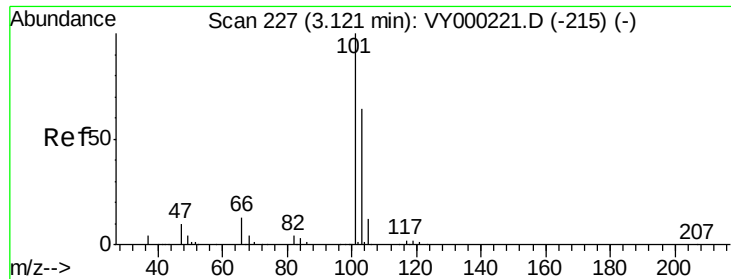
Time-->

2.75

2.80

2.85





#7

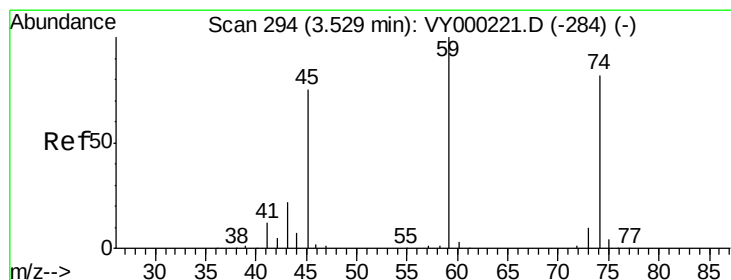
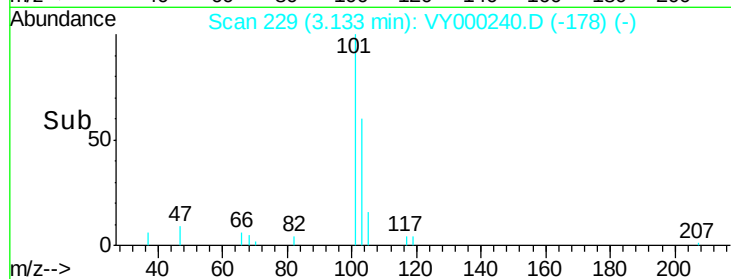
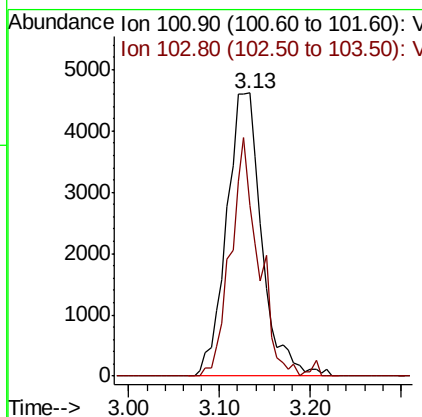
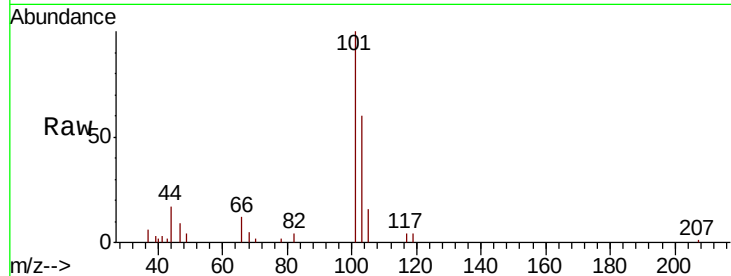
Trichlorofluoromethane
Concen: 2.406 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
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ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	51.0	76.6

Manual Integrations
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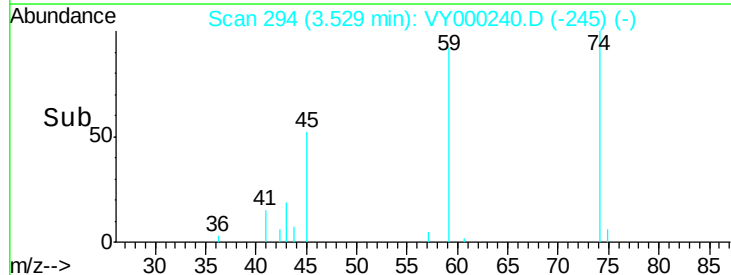
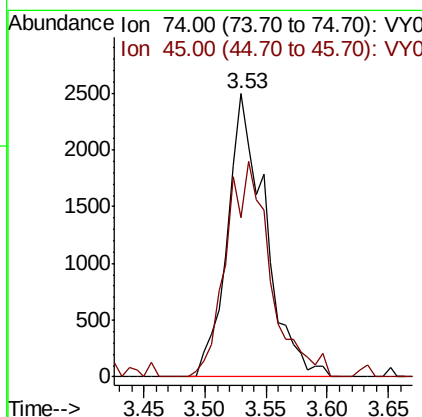
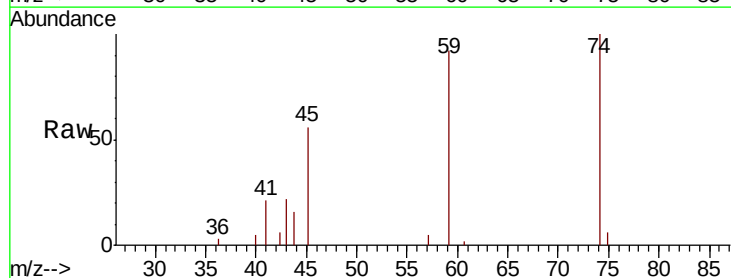
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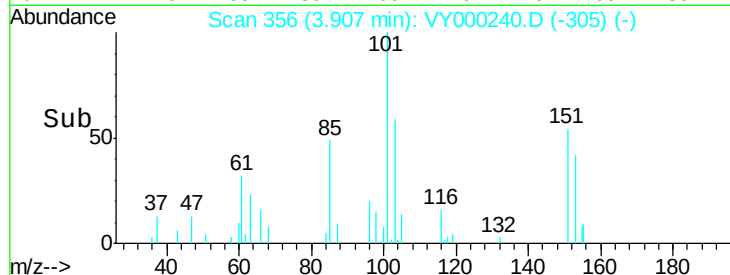
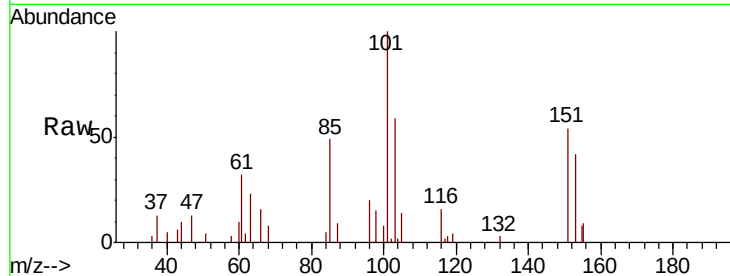
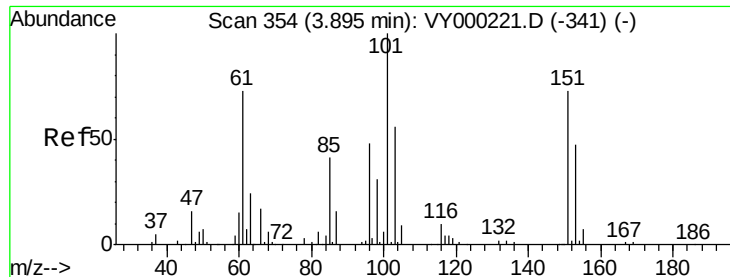


#8

Diethyl Ether
Concen: 2.261 ug/l
RT: 3.53 min Scan# 294
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.5	45.8	137.4





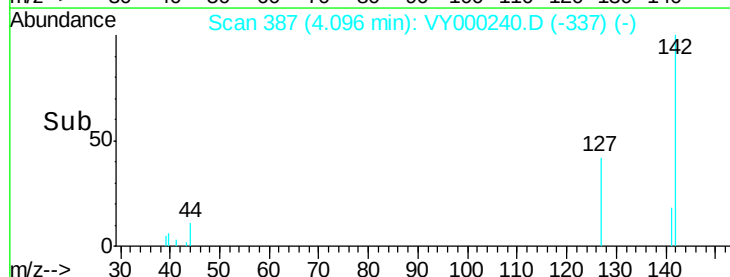
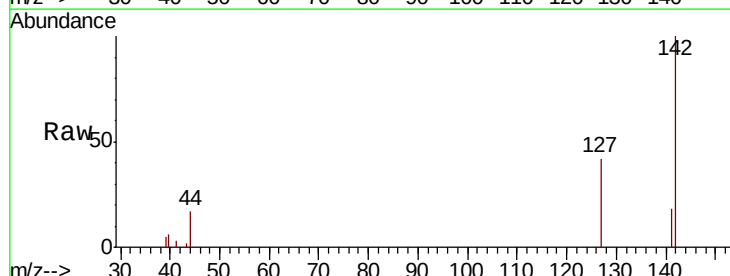
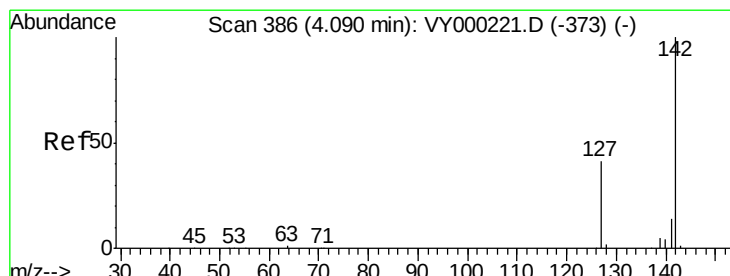
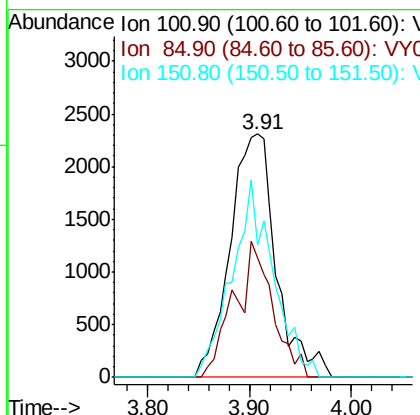
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.388 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.7	37.0	55.6
151	72.4	63.0	94.4

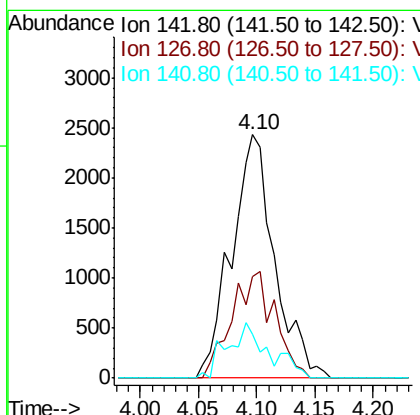
Manual Integrations
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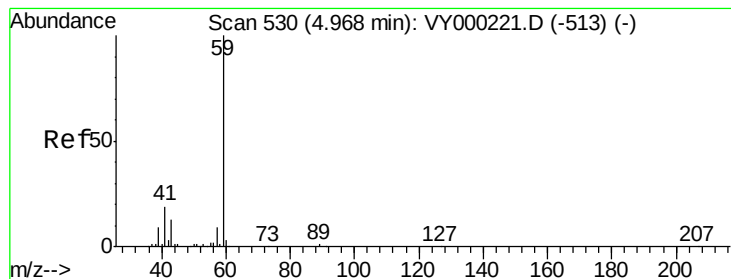
MMDadoda
10/11/2019 8:40:38 AM



#10
Methyl Iodide
Concen: 1.394 ug/l
RT: 4.10 min Scan# 387
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.0	33.0	49.6
141	17.8	11.0	16.4





#11

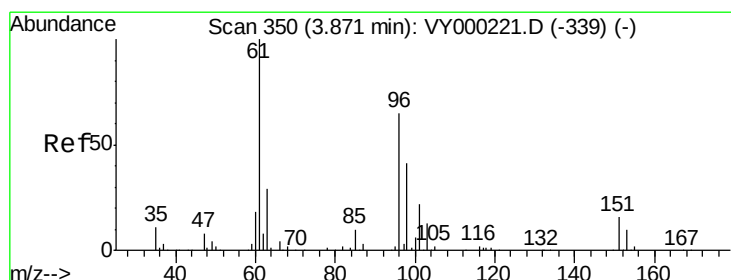
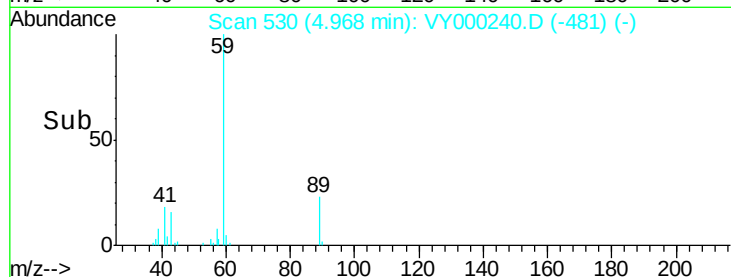
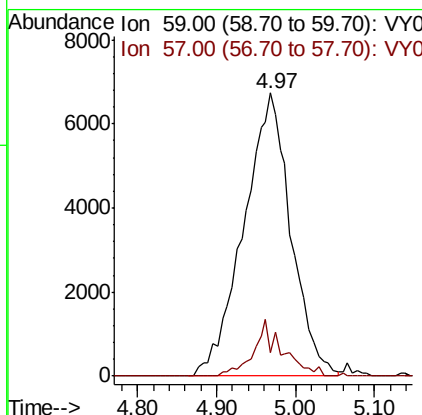
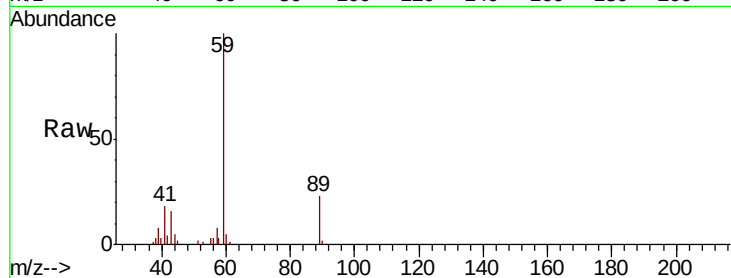
Tert butyl alcohol
Concen: 13.979 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.0	8.0	12.0#

Manual Integrations
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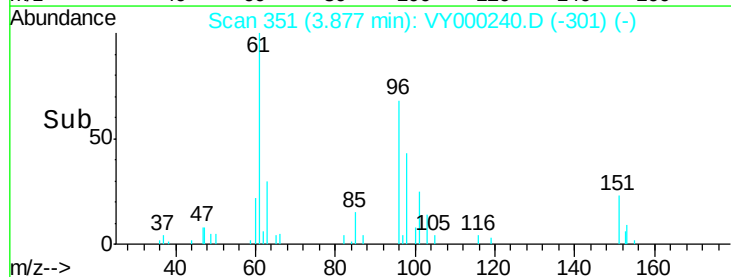
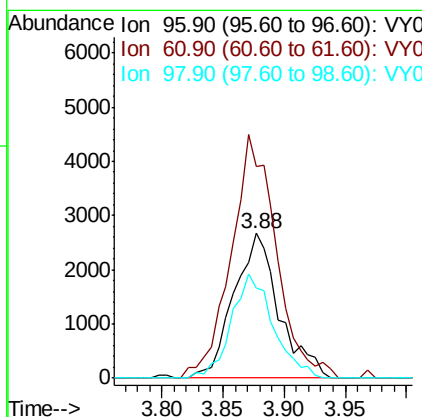
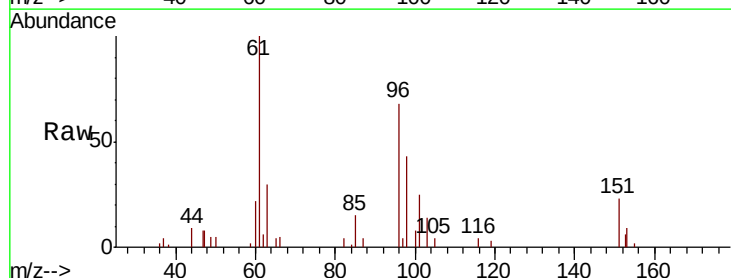
MMDadoda
10/11/2019 8:40:38 AM

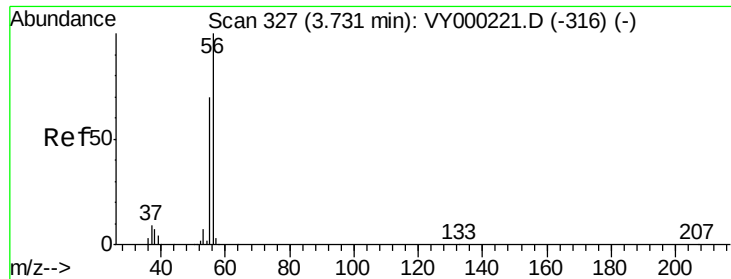


#12

1,1-Dichloroethene
Concen: 2.186 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.0	123.8	185.8
98	62.3	50.9	76.3





#13

Acrolein

Concen: 11.991 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 56 Resp: 12609

Ion Ratio Lower Upper

56 100

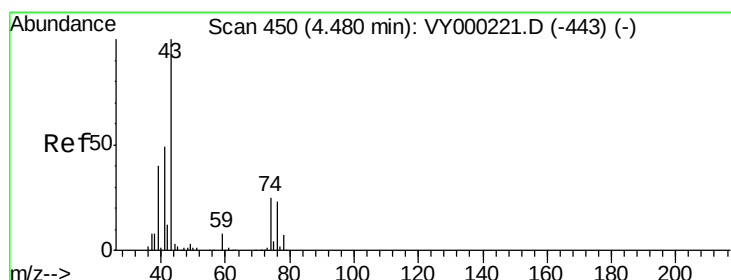
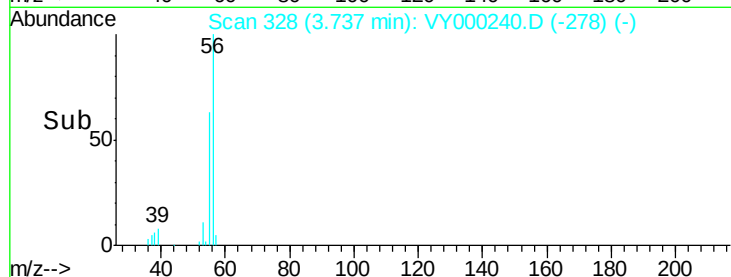
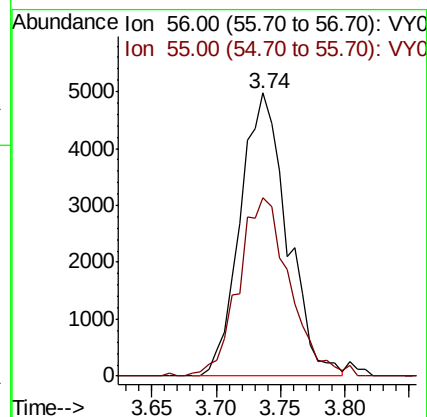
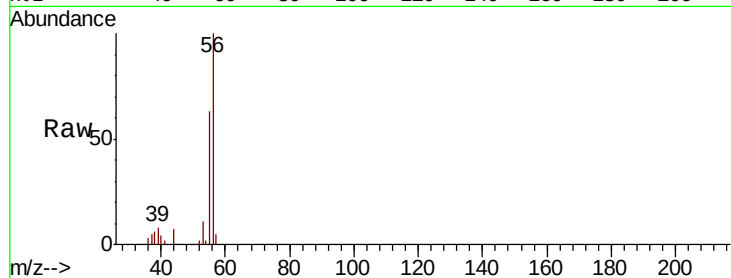
55 68.4 55.2 82.8

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#14

Allyl chloride

Concen: 1.960 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

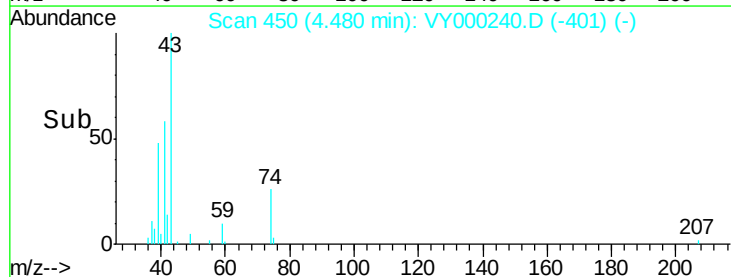
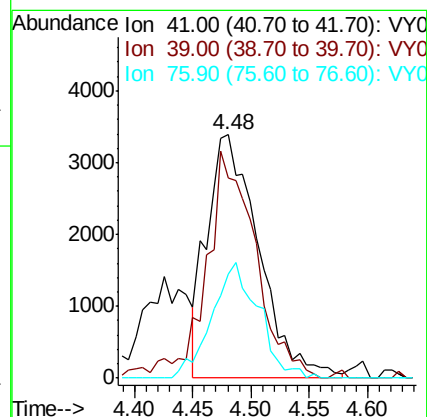
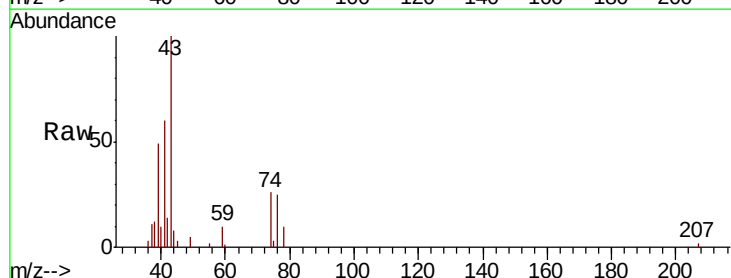
Tgt Ion: 41 Resp: 10408

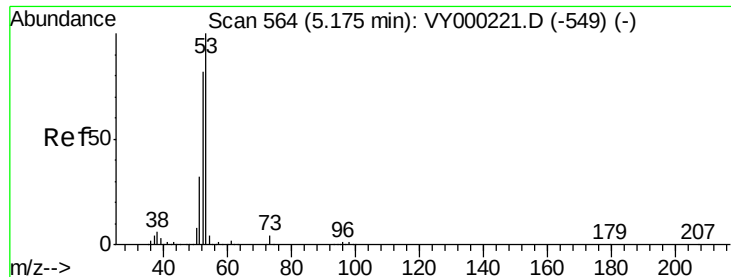
Ion Ratio Lower Upper

41 100

39 85.2 56.4 84.6#

76 42.9 30.8 46.2





#15

Acrylonitrile

Concen: 11.020 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

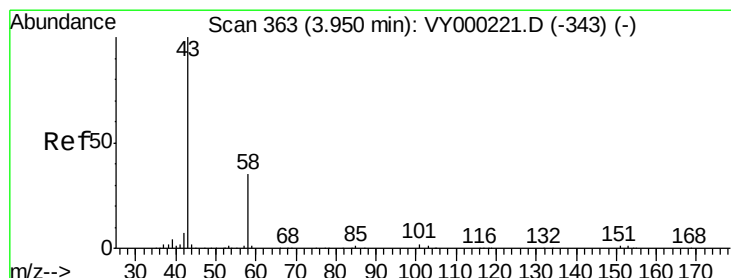
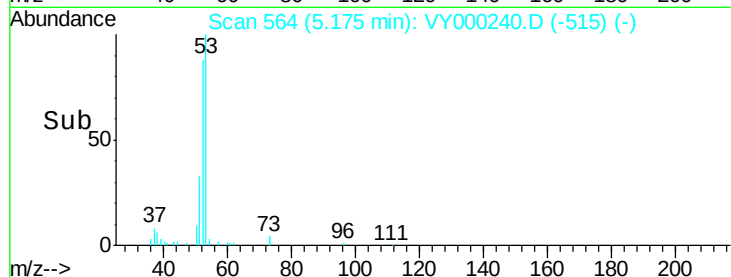
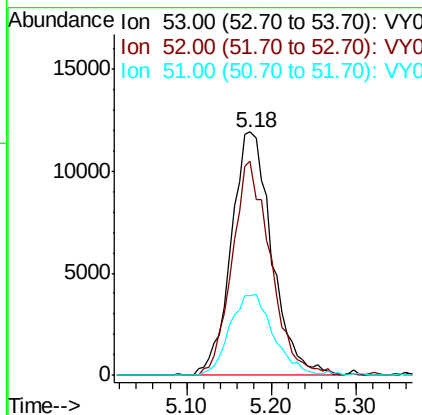
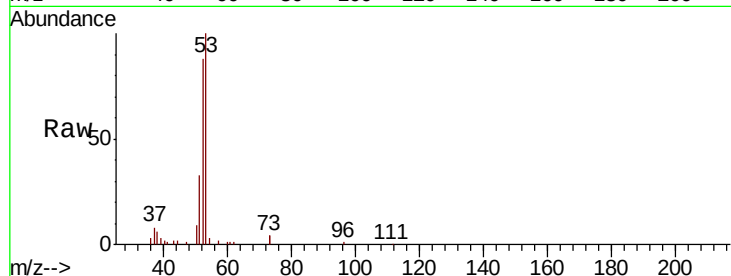
ClientSampleId :

2.5PPBMDL

Tot Ion:	53	Resp:	38968
Ion Ratio	Lower	Upper	
53	100		
52	83.6	65.4	98.2
51	35.5	27.2	40.8

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#16

Acetone

Concen: 11.678 ug/l

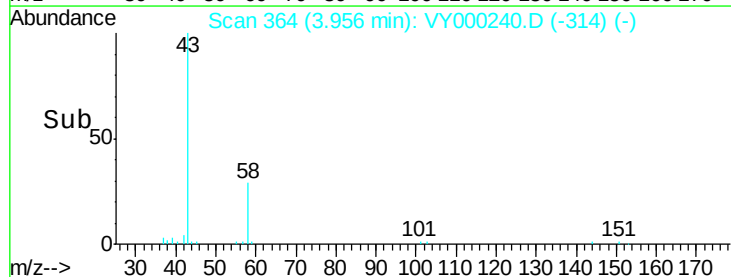
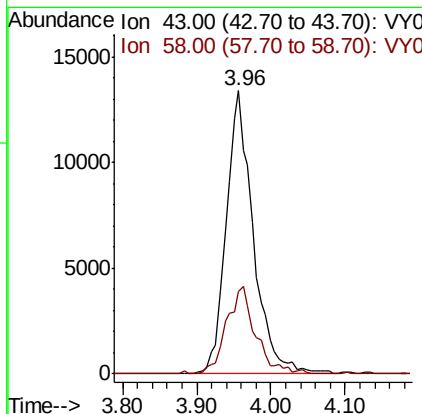
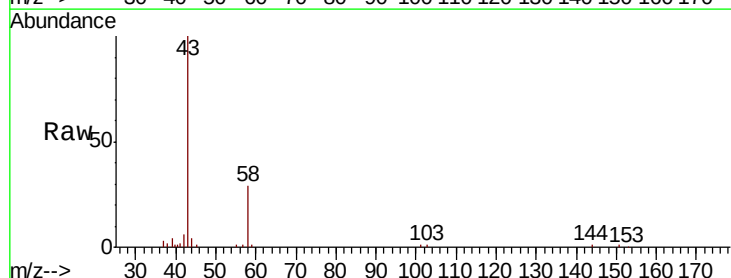
RT: 3.96 min Scan# 364

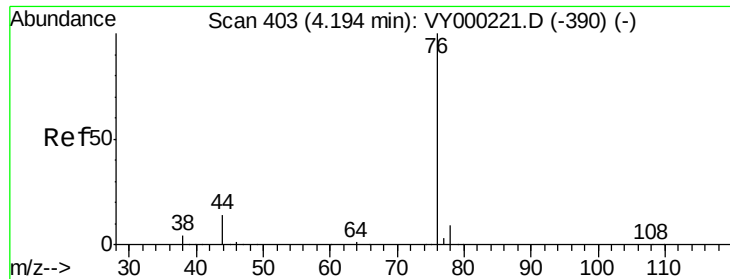
Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Tgt Ion:	43	Resp:	34104
Ion Ratio	Lower	Upper	
43	100		
58	29.2	28.2	42.4





#17

Carbon Disulfide

Concen: 2.087 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 76 Resp: 19384

Ion Ratio Lower Upper

76 100

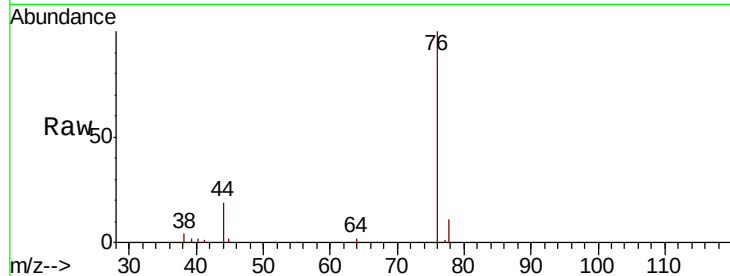
78 10.9 7.0 10.6#

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

8000

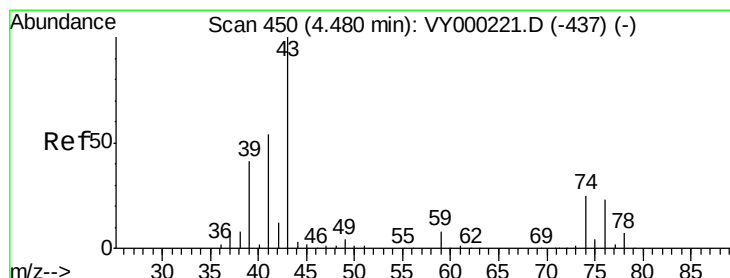
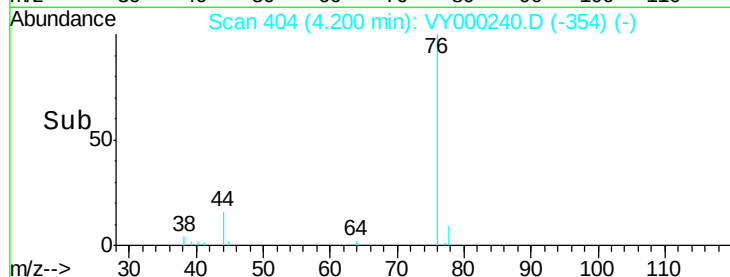
6000

4000

2000

0

Time-->



#18

Methyl Acetate

Concen: 2.447 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000240.D

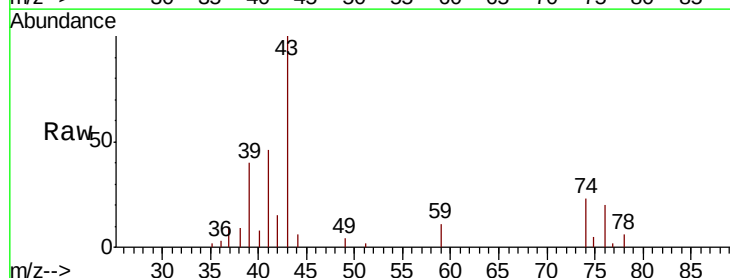
Acq: 09 Oct 2019 14:00

Tgt Ion: 43 Resp: 19587

Ion Ratio Lower Upper

43 100

74 24.3 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

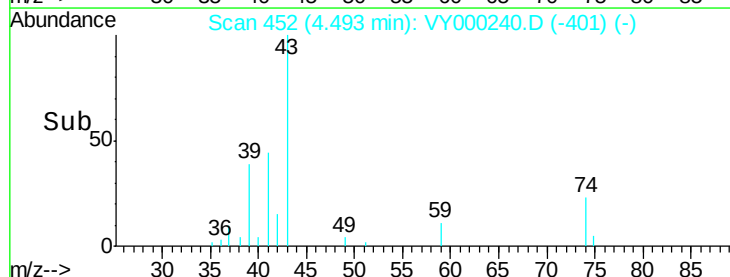
6000

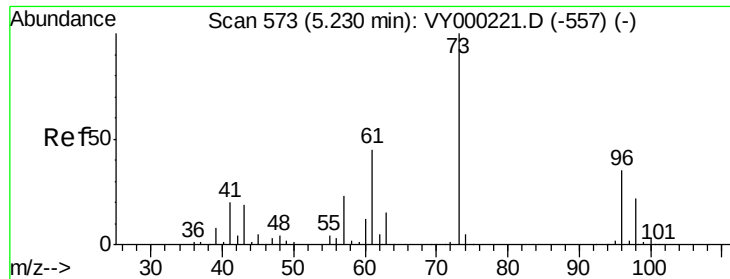
4000

2000

0

Time-->





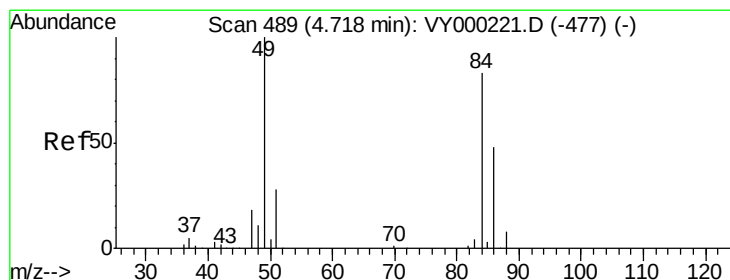
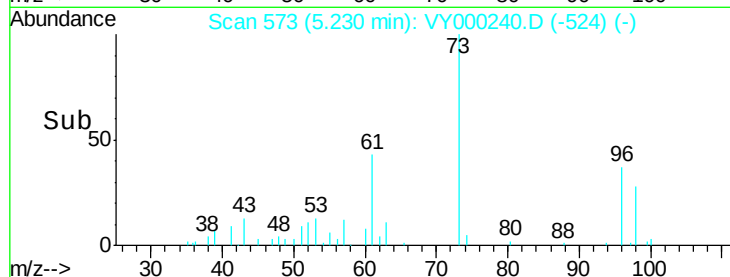
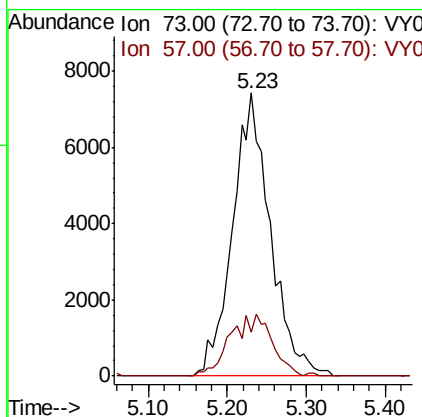
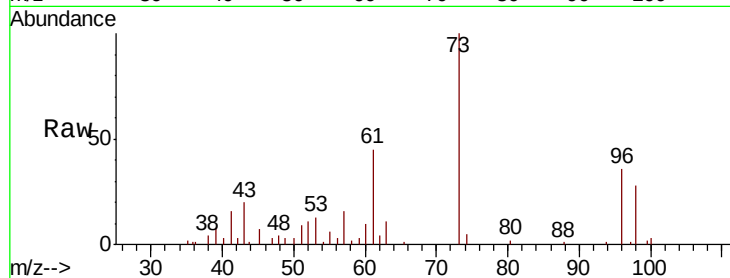
#19
Methyl tert-butyl Ether
Concen: 2.146 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion: 73 Resp: 24742
Ion Ratio Lower Upper
73 100
57 15.6 18.4 27.6#

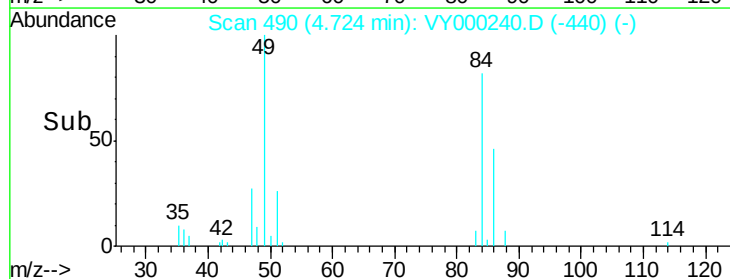
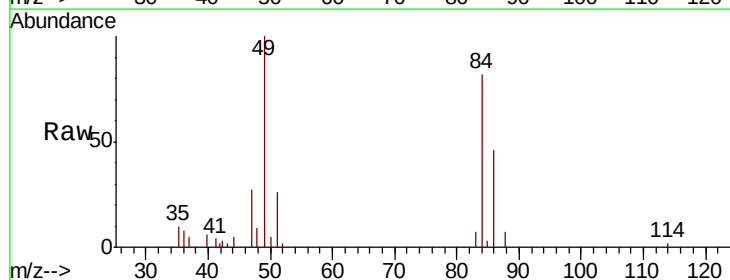
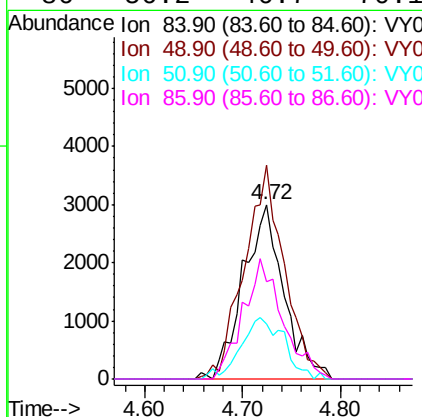
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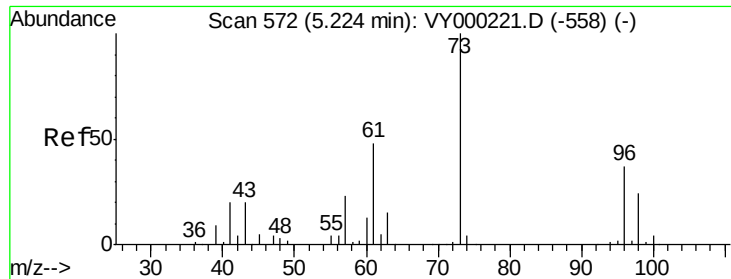
MMDadoda
10/11/2019 8:40:38 AM



#20
Methylene Chloride
Concen: 2.264 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion: 84 Resp: 8684
Ion Ratio Lower Upper
84 100
49 122.7 96.2 144.2
51 31.7 26.6 39.8
86 56.2 46.7 70.1





#21

trans-1,2-Dichloroethene

Concen: 2.150 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

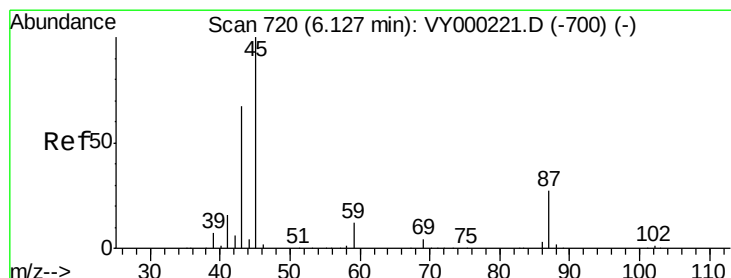
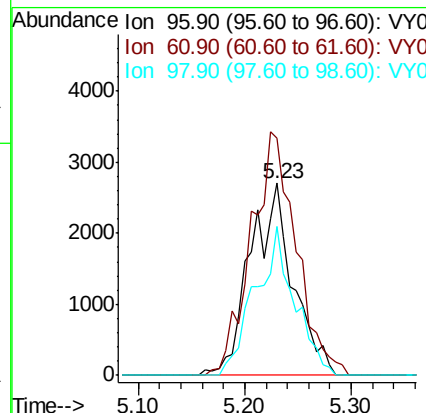
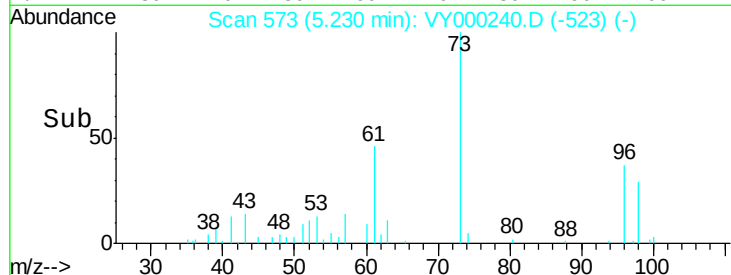
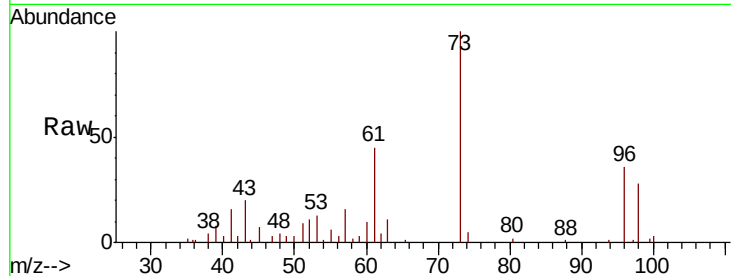
ClientSampleId :

2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.1	104.2	156.2
98	77.3	51.0	76.6#

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#22

Diisopropyl ether

Concen: 1.989 ug/l

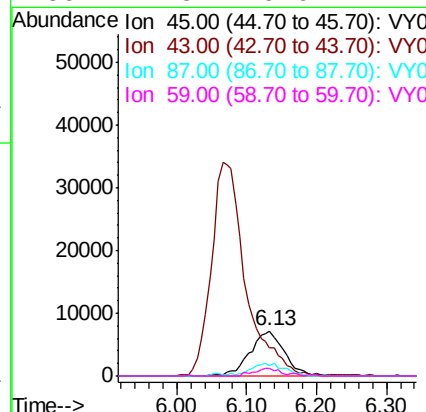
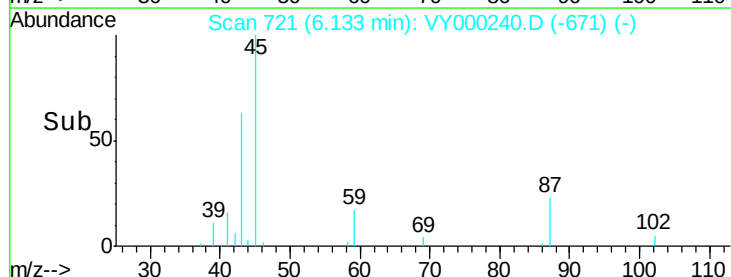
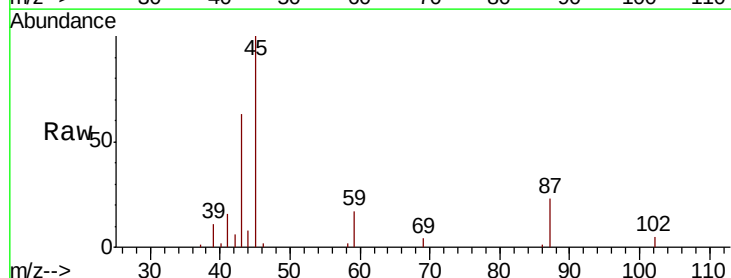
RT: 6.13 min Scan# 721

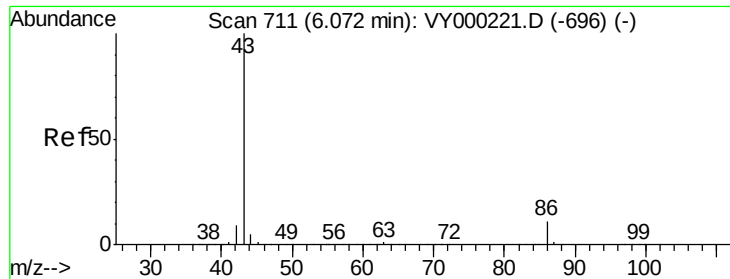
Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.6	53.4	80.2
87	22.9	21.7	32.5
59	17.3	9.6	14.4#





#23

Vinyl Acetate

Concen: 10.380 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 115680

Ion Ratio Lower Upper

43 100

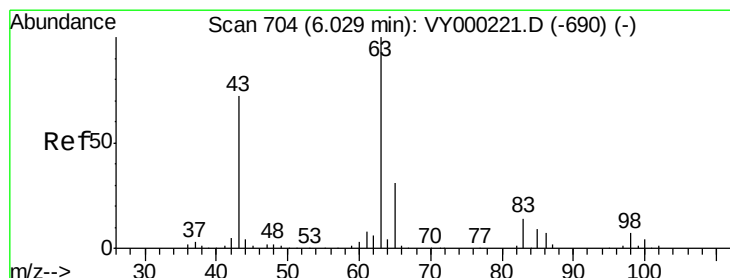
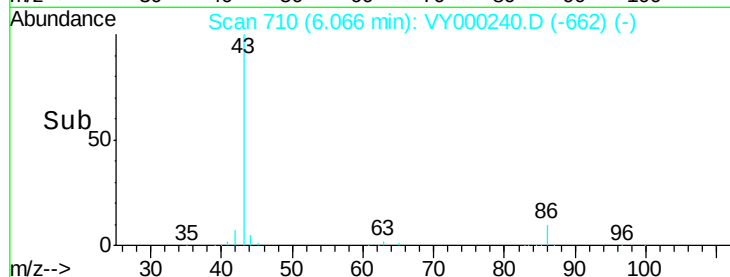
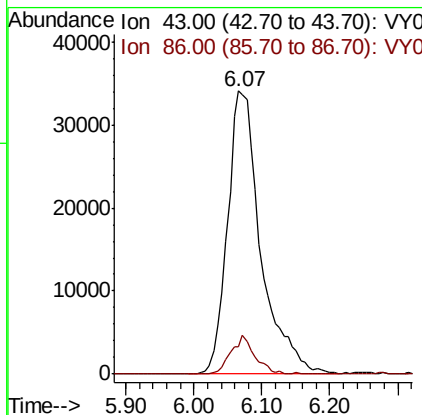
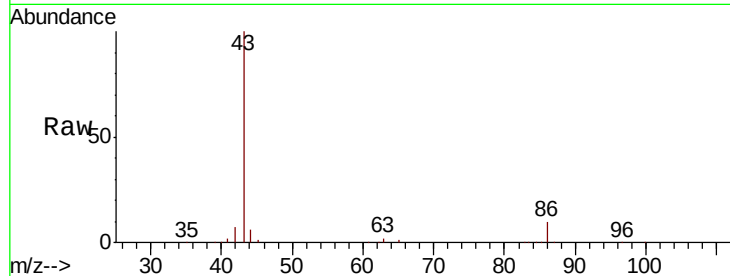
86 9.7 8.5 12.7

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#24

1,1-Dichloroethane

Concen: 2.297 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

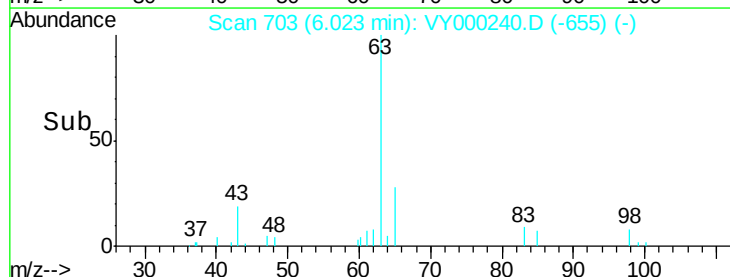
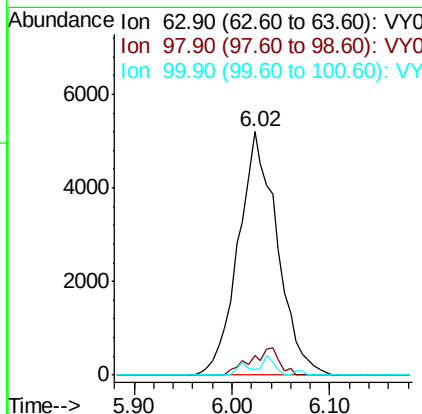
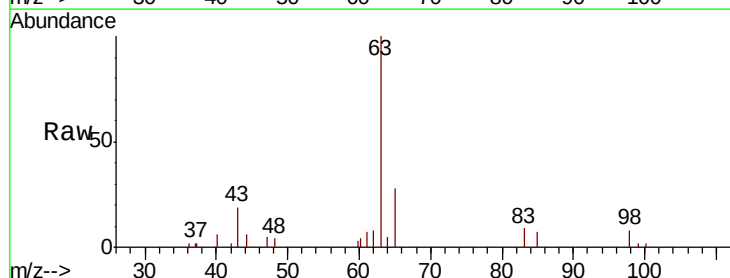
Tgt Ion: 63 Resp: 14420

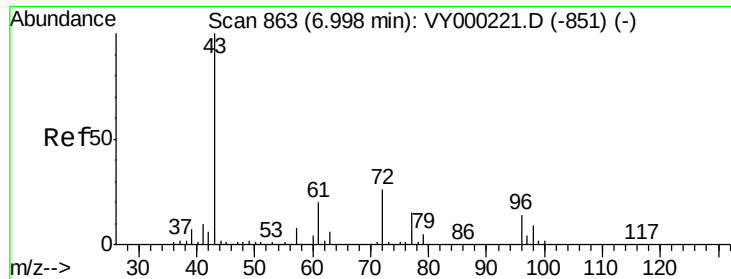
Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.6

100 2.4 2.1 6.5





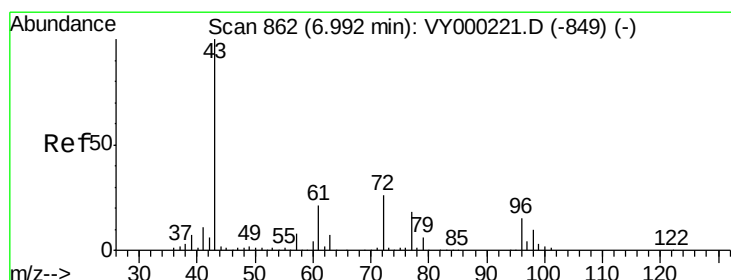
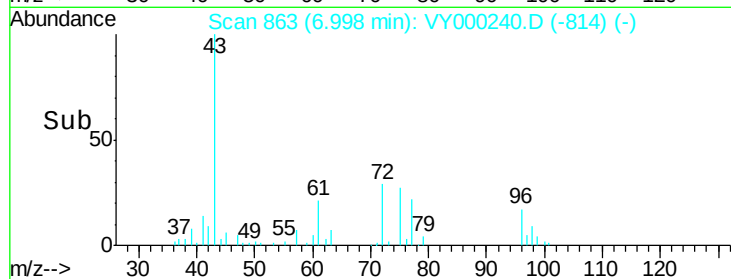
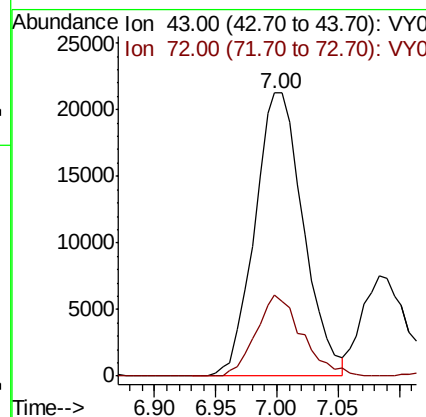
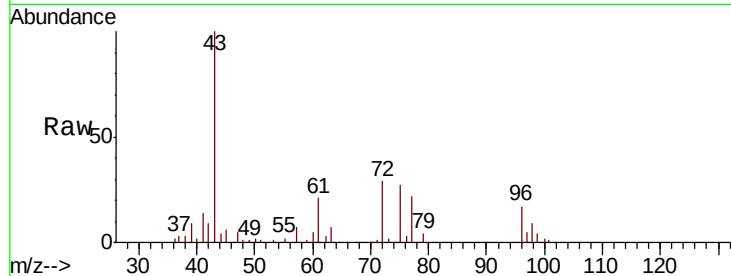
#25
2-Butanone
Concen: 10.899 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion: 43 Resp: 58880
Ion Ratio Lower Upper
43 100
72 28.6 20.6 31.0

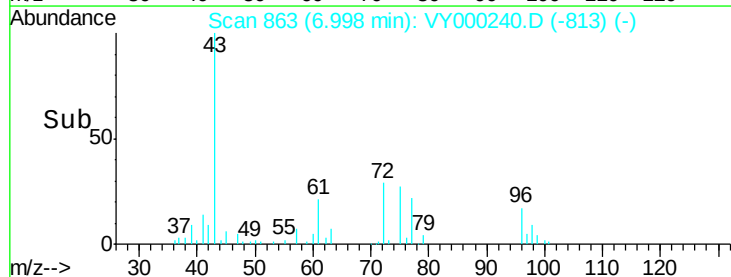
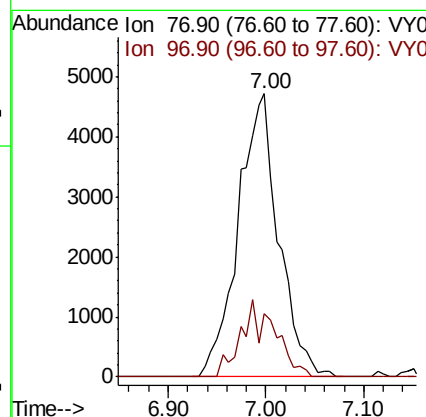
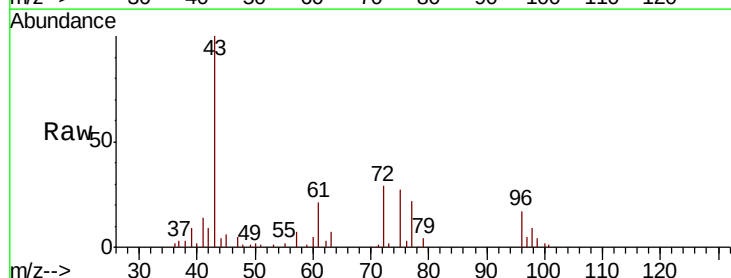
Manual Integrations
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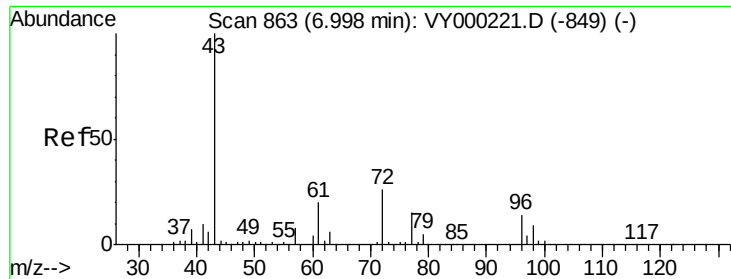
MMDadoda
10/11/2019 8:40:38 AM



#26
2,2-Dichloropropane
Concen: 2.397 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion: 77 Resp: 13581
Ion Ratio Lower Upper
77 100
97 11.6 11.7 35.0#





#27

cis-1,2-Dichloroethene

Concen: 2.338 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000240.D

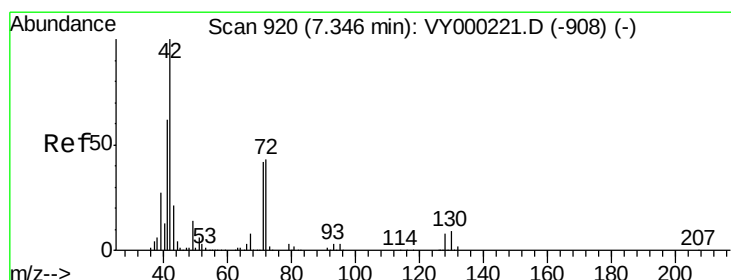
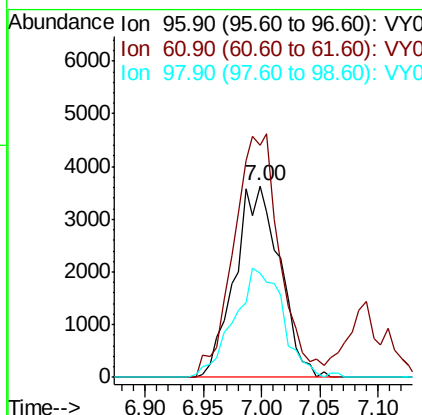
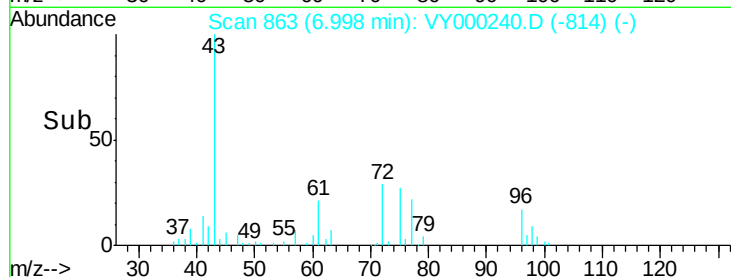
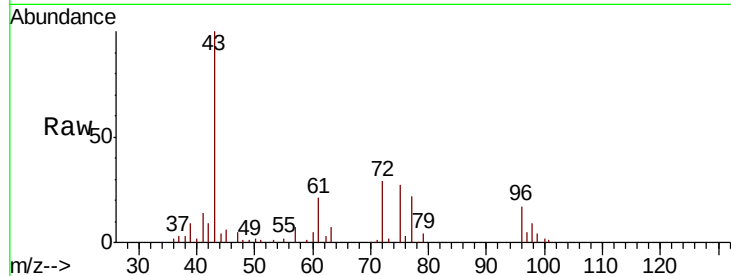
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	282.6
98	61.2	0.0	129.8

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#28

Bromochloromethane

Concen: 2.263 ug/l

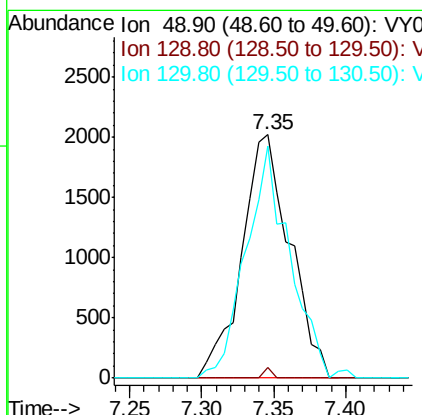
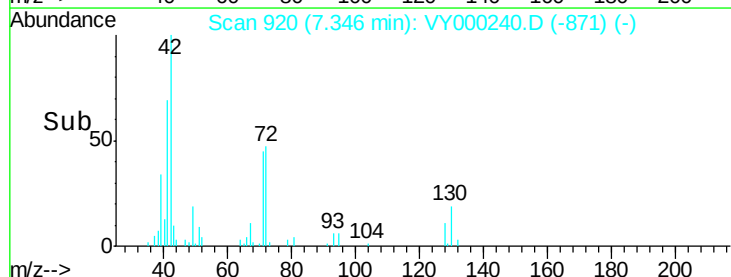
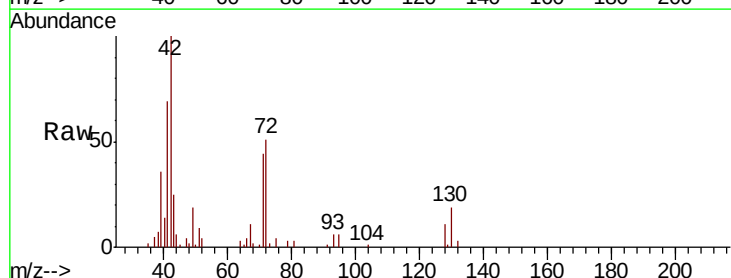
RT: 7.35 min Scan# 920

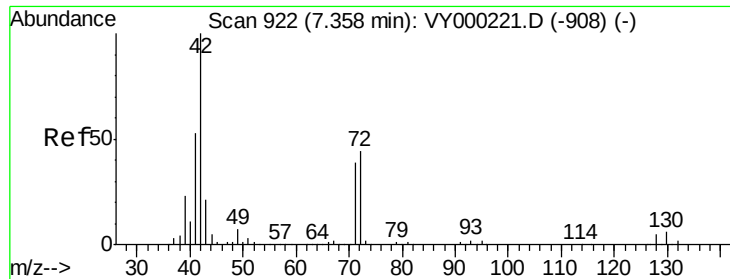
Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.2
130	87.6	56.5	84.7#





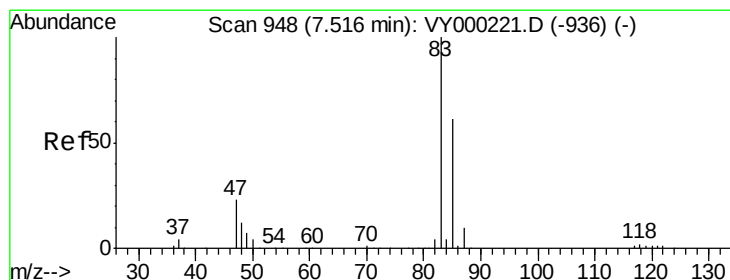
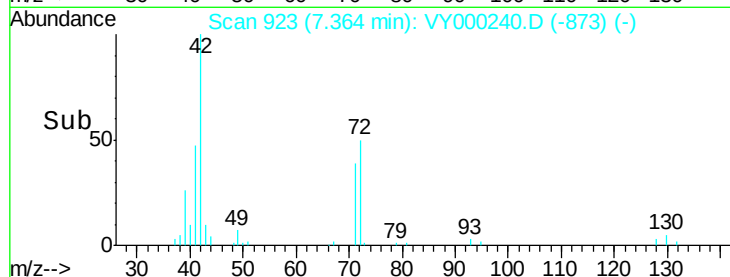
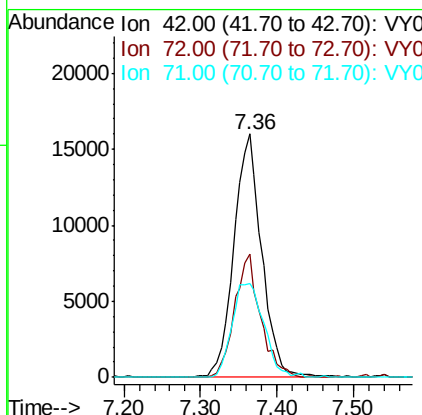
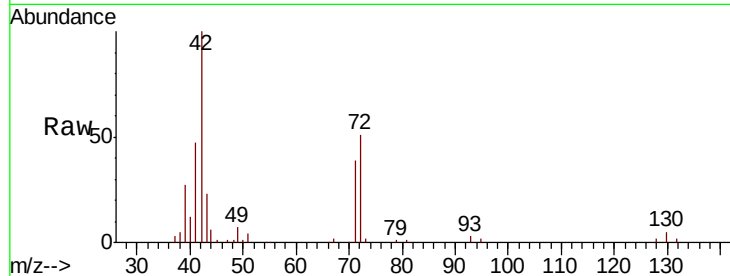
#29
Tetrahydrofuran
Concen: 10.603 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	34.6	51.8
71	43.9	31.9	47.9

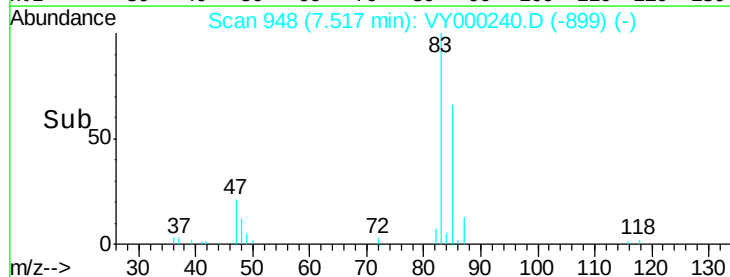
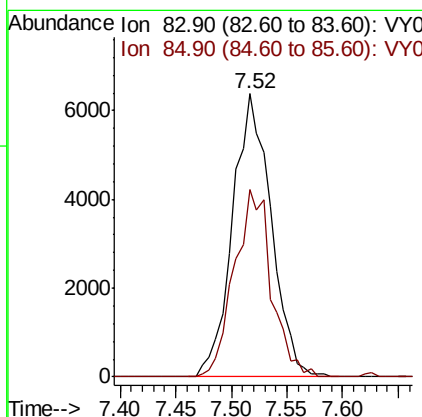
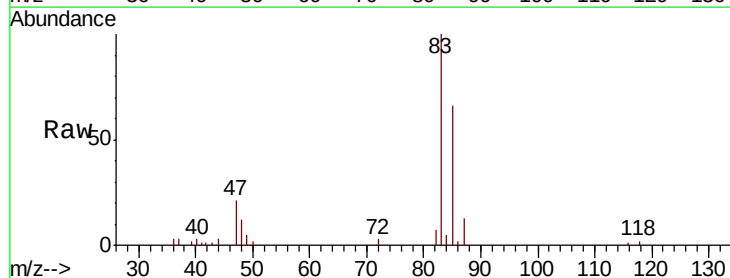
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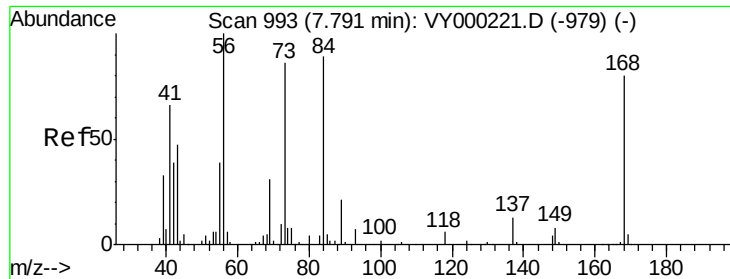
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#30
Chloroform
Concen: 2.355 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	48.9	73.3





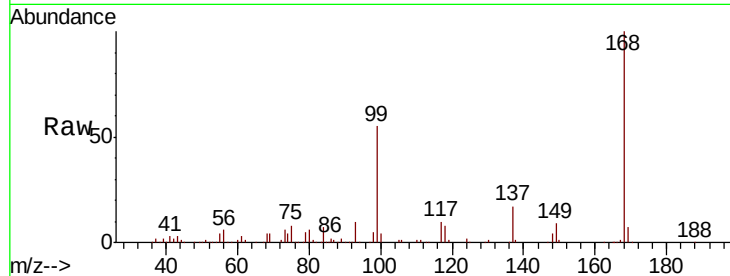
#31
Cyclohexane
Concen: 2.971 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

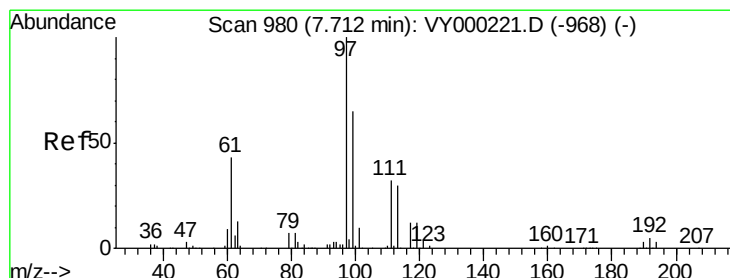
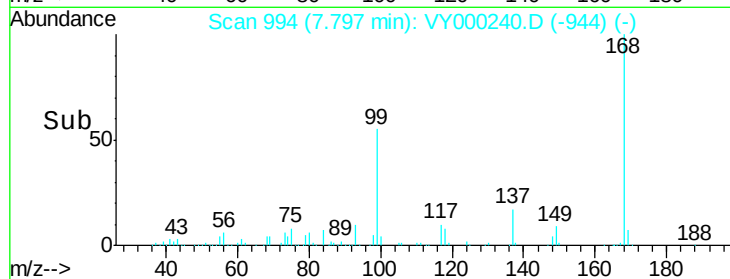
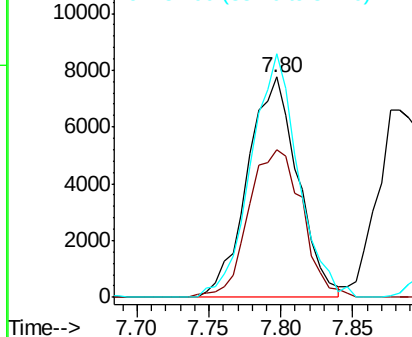
Tot Ion	Ratio	Lower	Upper
56	100		
69	67.0	24.7	37.1#
84	110.4	71.3	106.9#

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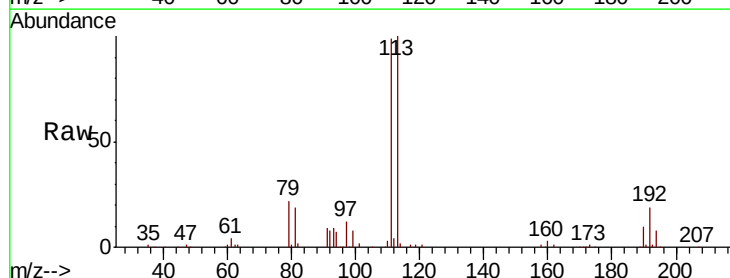


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

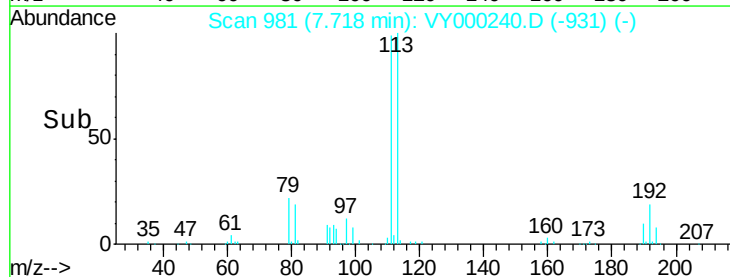
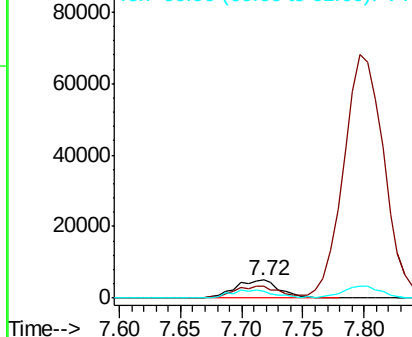


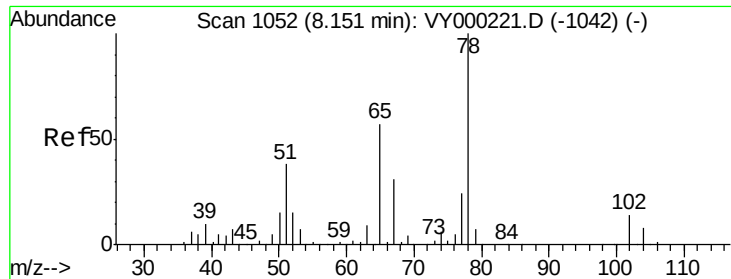
#32
1,1,1-Trichloroethane
Concen: 2.268 ug/l
RT: 7.72 min Scan# 981
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.0	51.4	77.2
61	46.4	34.2	51.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 45.270 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 65 Resp: 166920

Ion Ratio Lower Upper

65 100

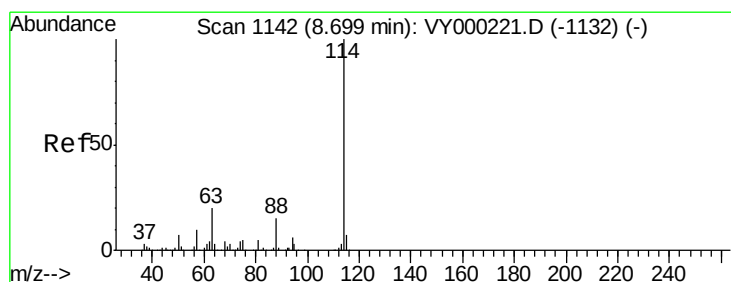
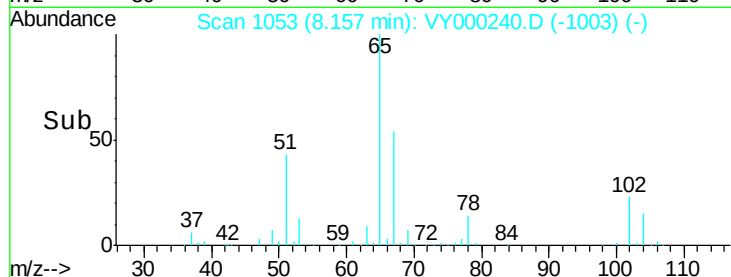
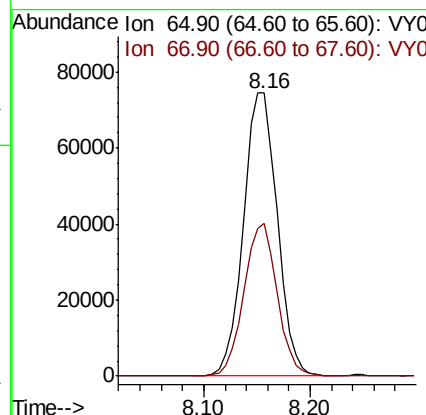
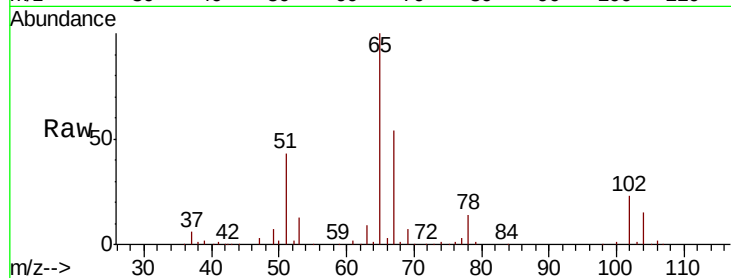
67 52.8 0.0 109.0

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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: VY000240.D

Acq: 09 Oct 2019 14:00

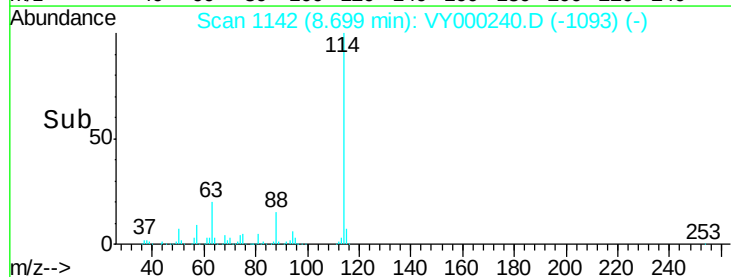
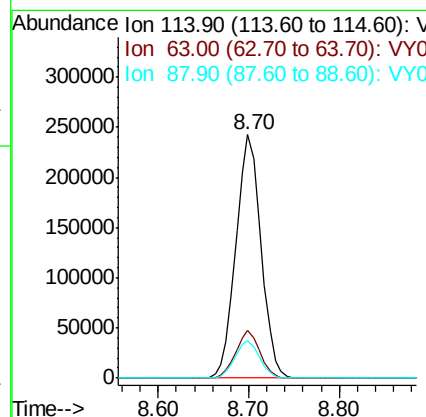
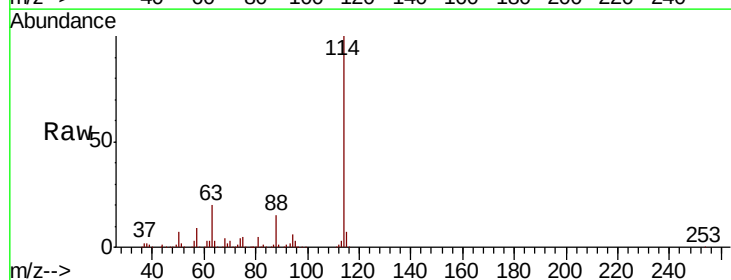
Tgt Ion: 114 Resp: 465064

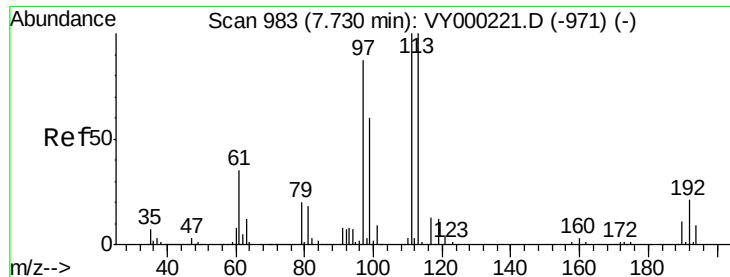
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.813 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:113 Resp: 135650

Ion Ratio Lower Upper

113 100

111 100.2 82.6 124.0

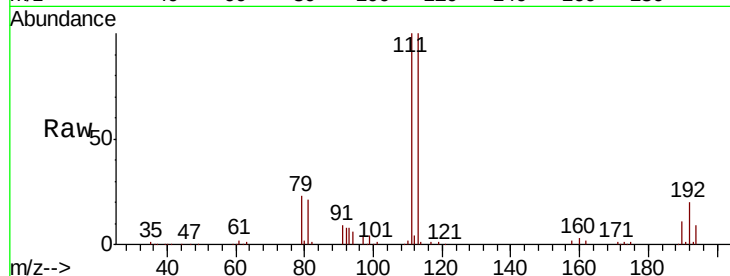
192 20.5 15.8 23.8

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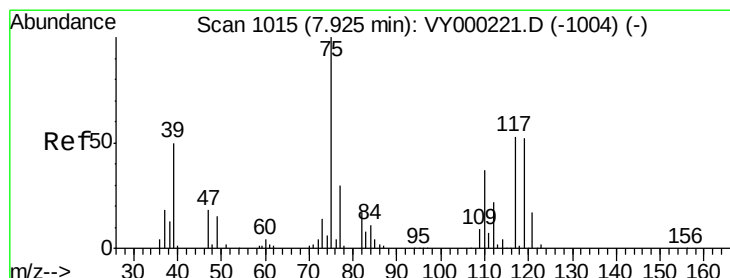
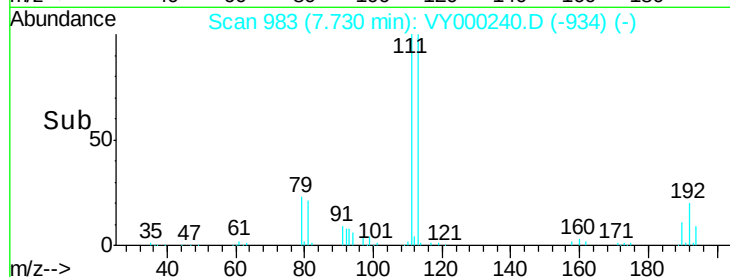
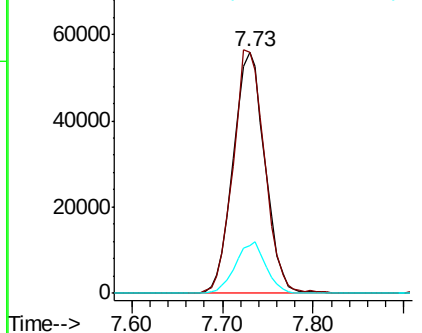
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.381 ug/l

RT: 7.92 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

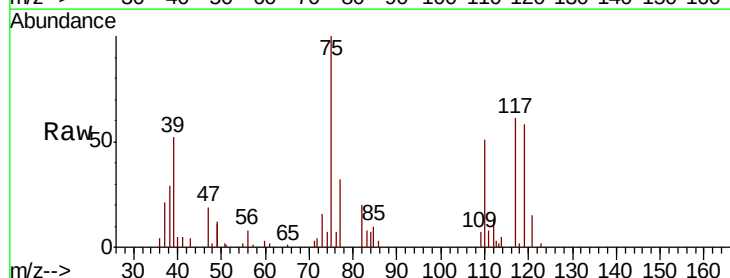
Tgt Ion: 75 Resp: 11268

Ion Ratio Lower Upper

75 100

110 37.1 18.4 55.2

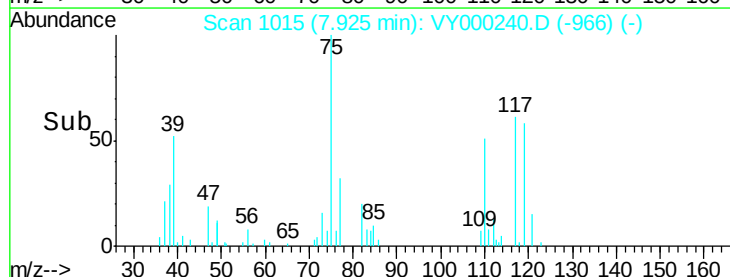
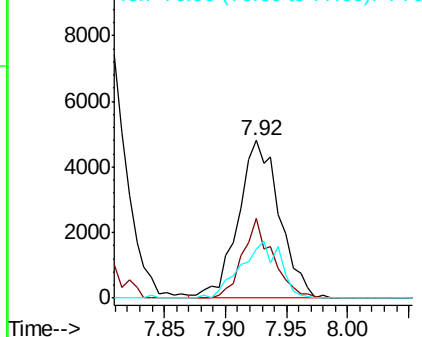
77 34.7 24.7 37.1

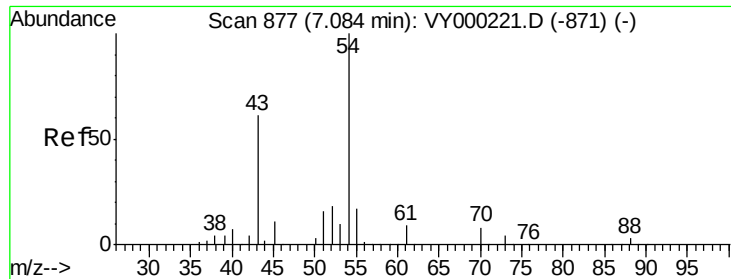


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





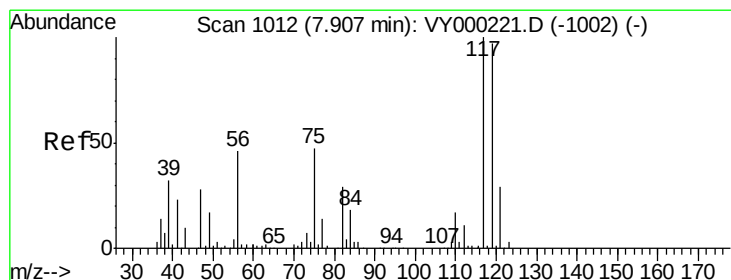
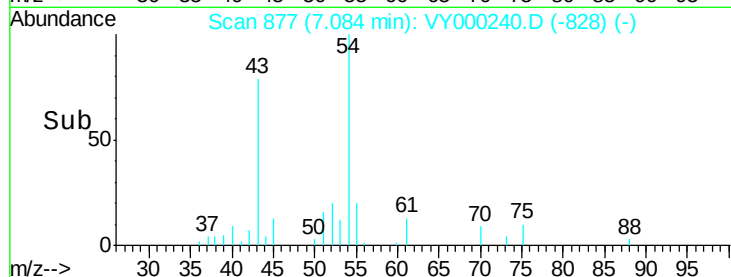
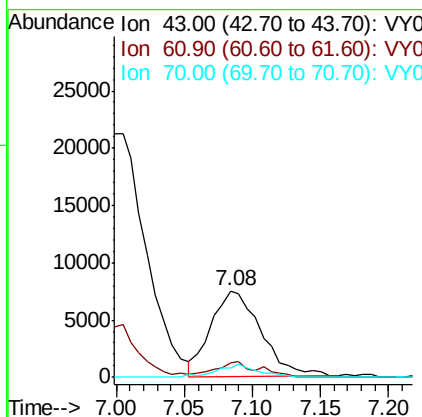
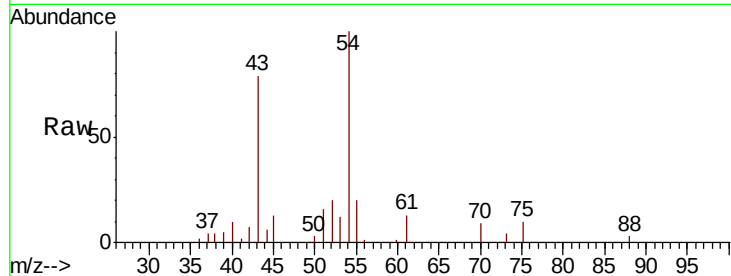
#37
Ethyl Acetate
Concen: 2.213 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	43	61	70
Resp	18934		
Ratio	100	16.4	12.8
Lower		11.1	8.5
Upper		16.7	12.7

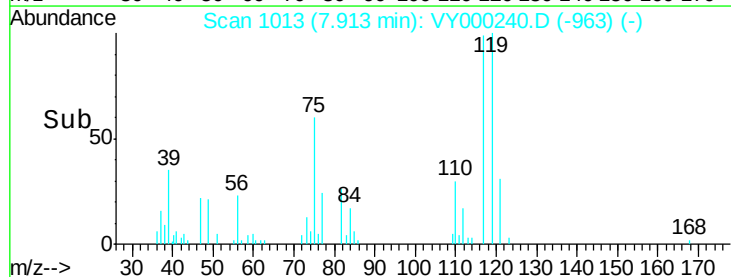
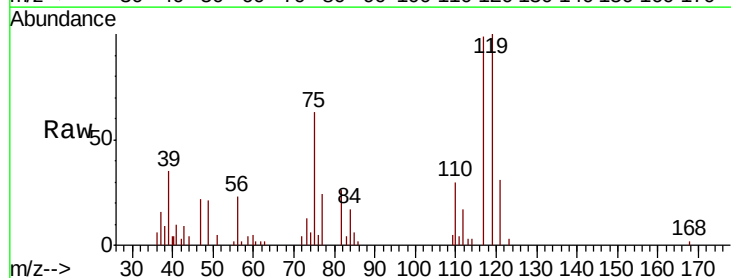
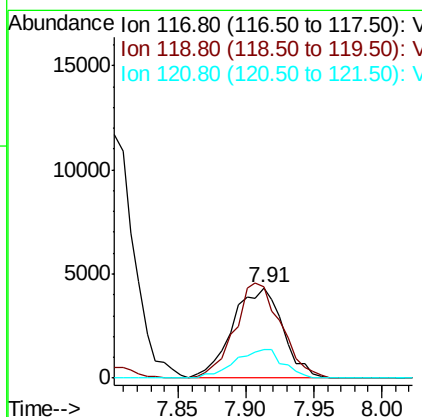
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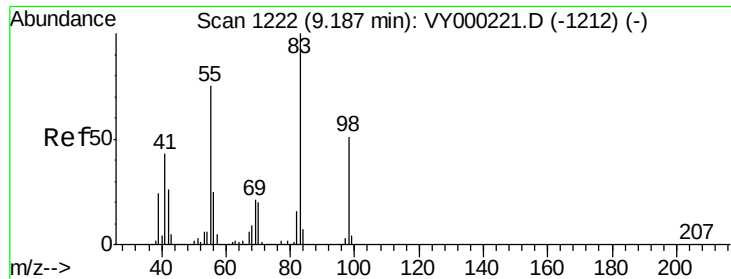
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#38
Carbon Tetrachloride
Concen: 2.422 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	117	119	121
Resp	11170		
Ratio	100	101.2	31.5
Lower		77.2	23.1
Upper		115.8	34.7





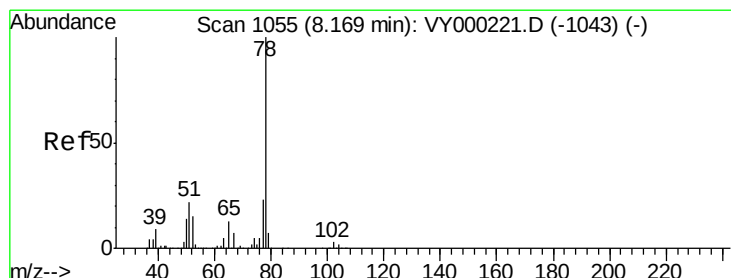
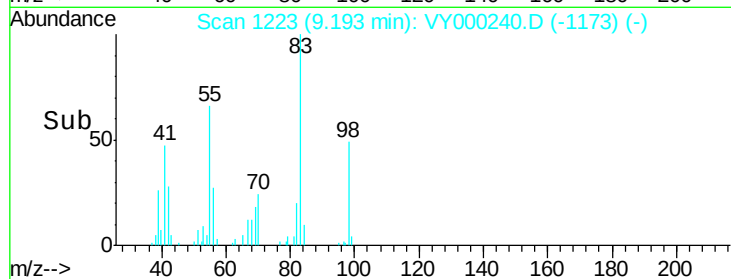
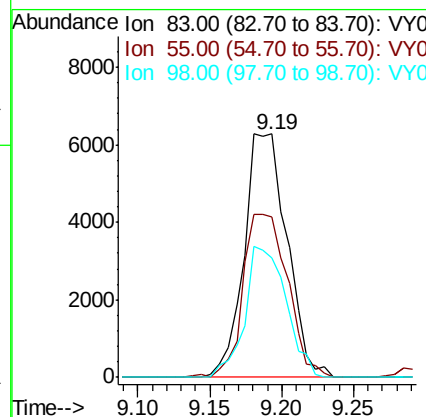
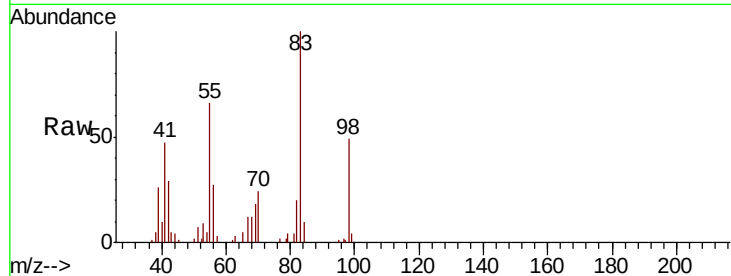
#39
Methylvlcyclohexane
Concen: 2.186 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.1	60.2	90.4
98	49.1	40.5	60.7

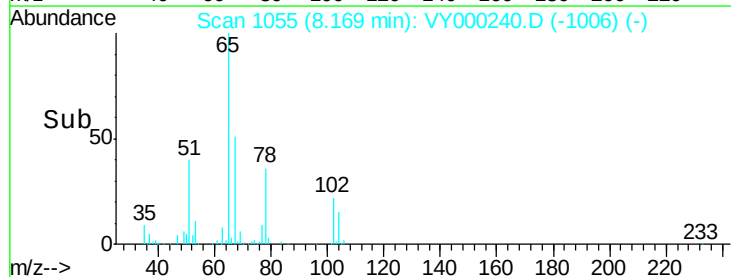
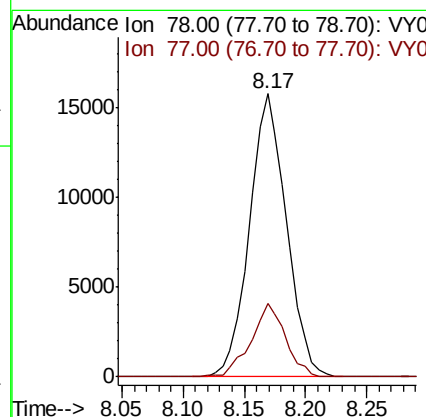
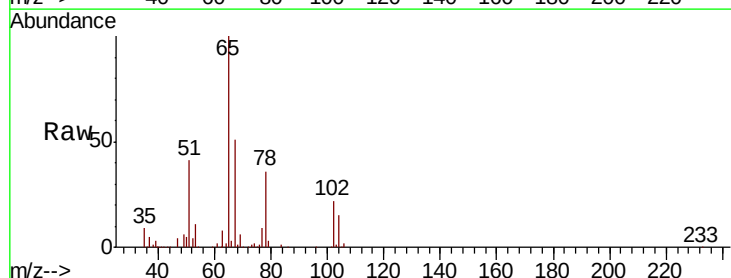
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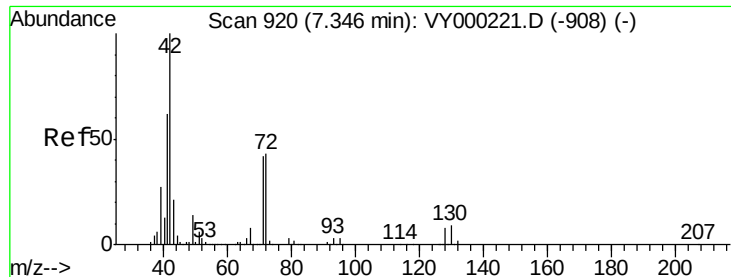
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#40
Benzene
Concen: 2.305 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	18.6	28.0





#41

Methacrylonitrile

Concen: 2.461 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 41 Resp: 16569

Ion Ratio Lower Upper

41 100

39 93.2 74.7 112.1

67 0.0 0.0 0.0

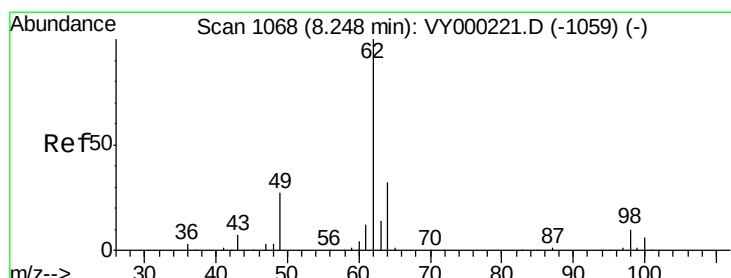
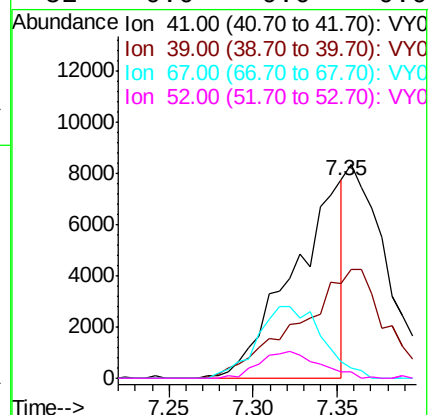
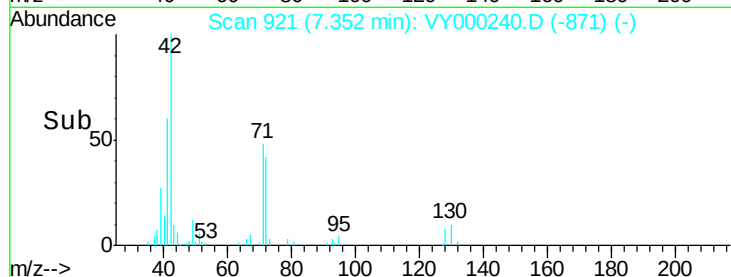
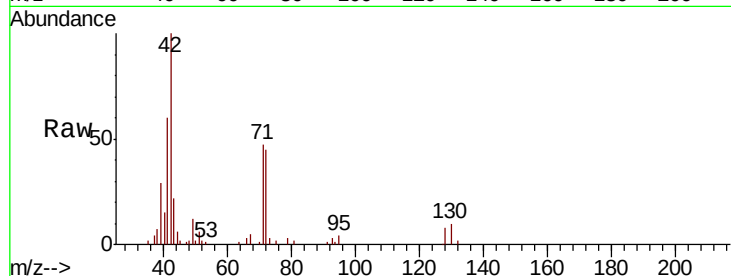
52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 2.567 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000240.D

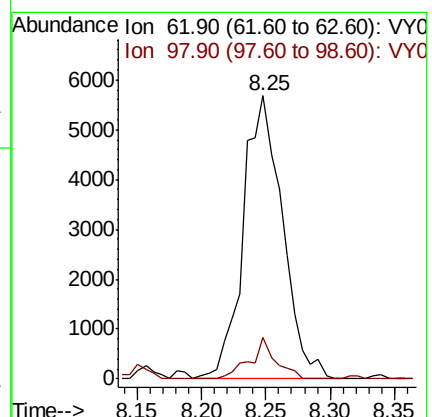
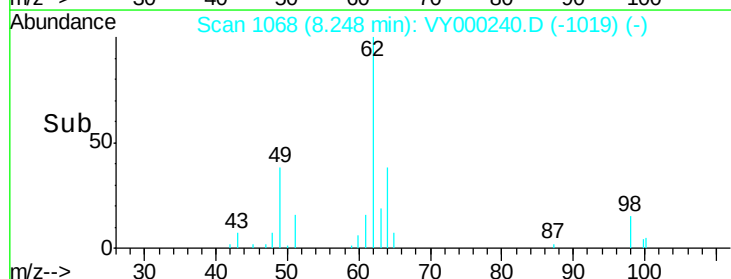
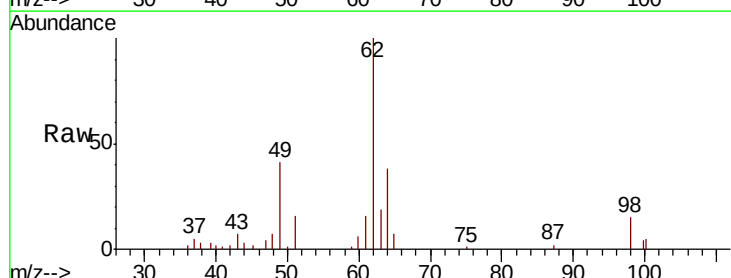
Acq: 09 Oct 2019 14:00

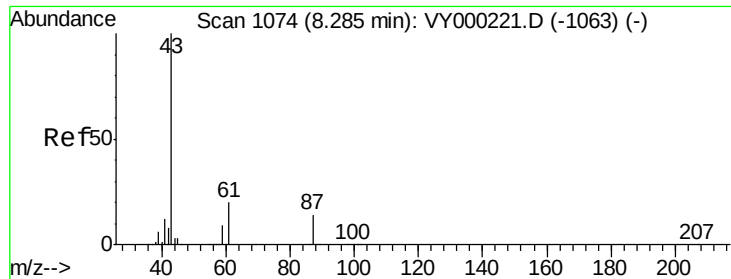
Tgt Ion: 62 Resp: 11967

Ion Ratio Lower Upper

62 100

98 9.3 0.0 20.0





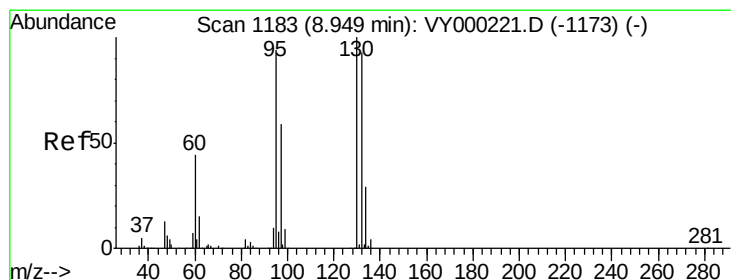
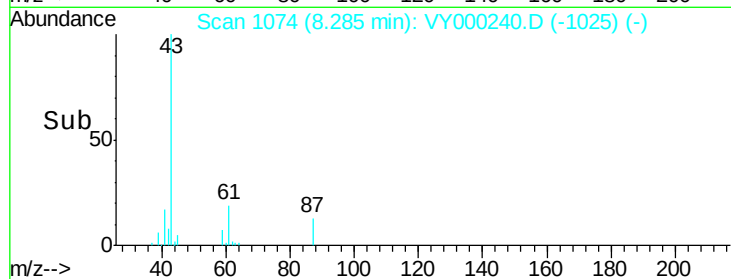
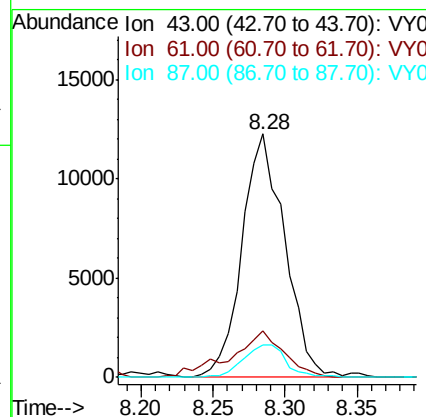
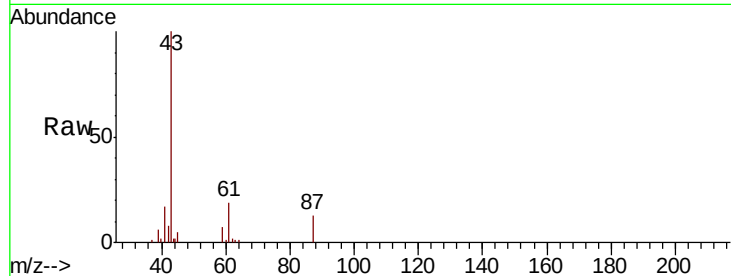
#43
Isopropyl Acetate
Concen: 2.289 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.9	20.1	30.1
87	13.5	10.6	15.8

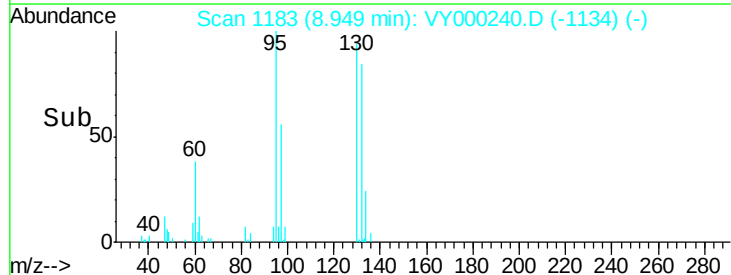
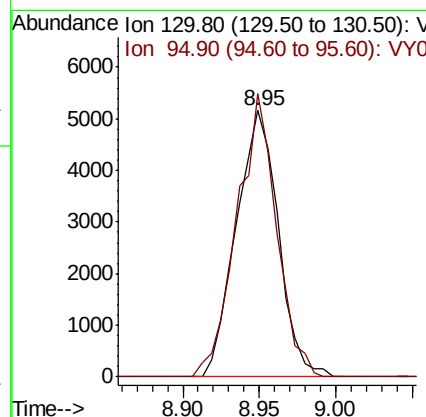
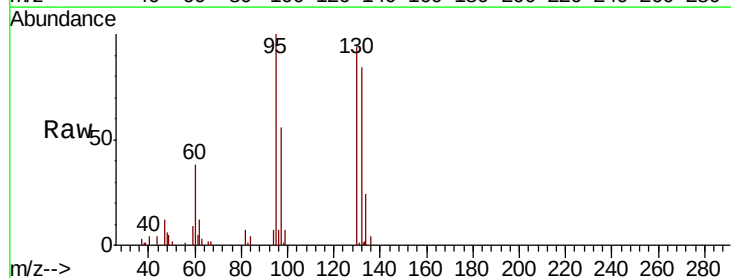
Manual Integrations
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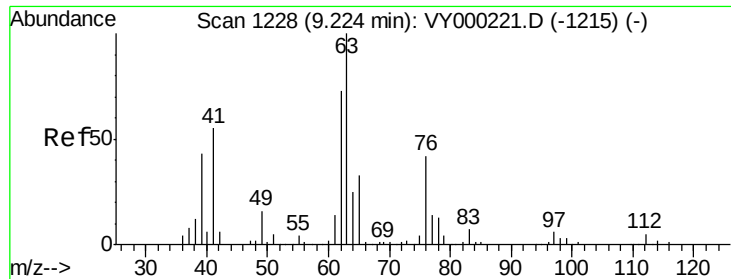
MMDadoda
10/11/2019 8:40:38 AM



#44
Trichloroethene
Concen: 2.531 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	189.0





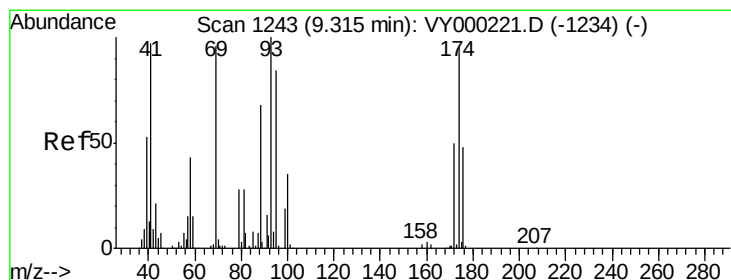
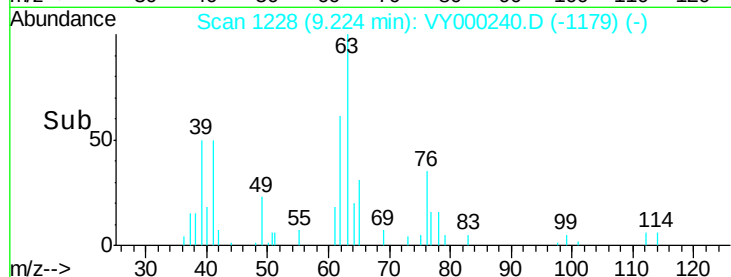
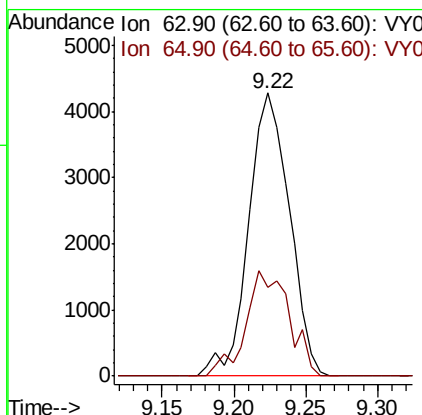
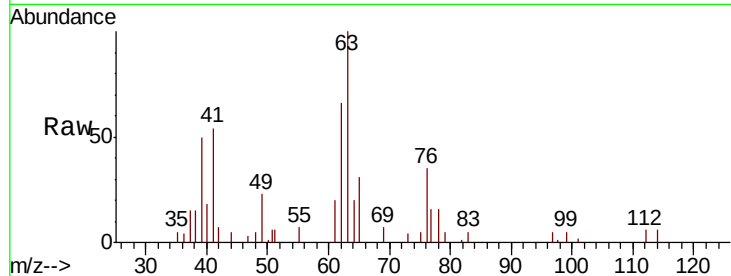
#45
 1,2-Dichloropropane
 Concen: 2.334 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	26.6	39.8

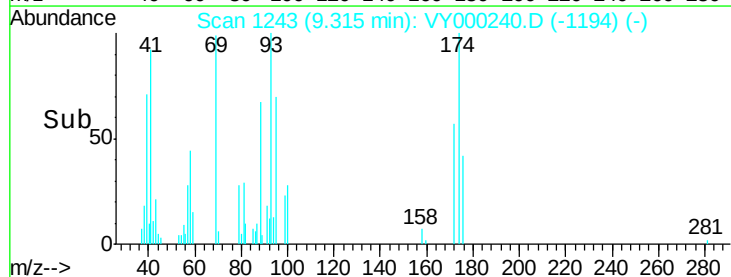
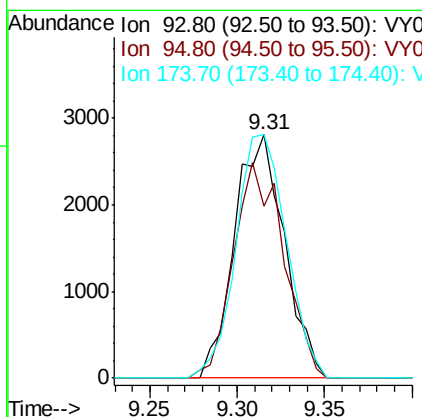
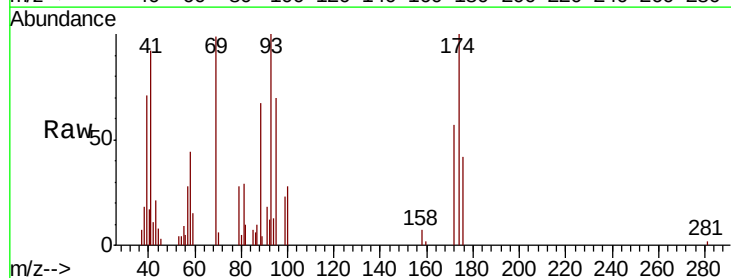
Manual Integrations
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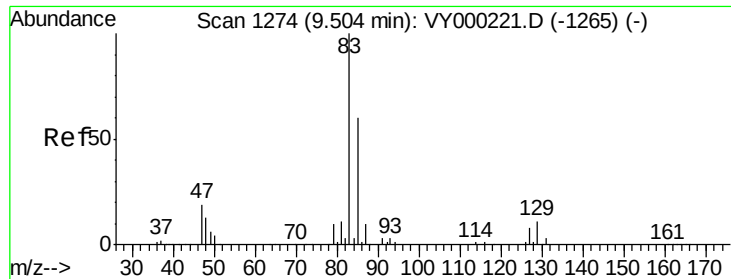
MMDadoda
 10/11/2019 8:40:38 AM



#46
 Dibromomethane
 Concen: 2.212 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	89.1	67.0	100.6
174	101.4	77.5	116.3





#47

Bromodichloromethane

Concen: 2.244 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

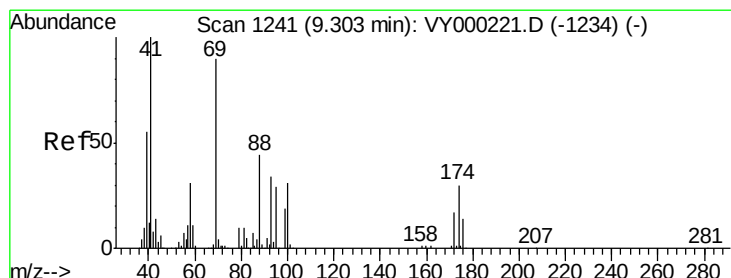
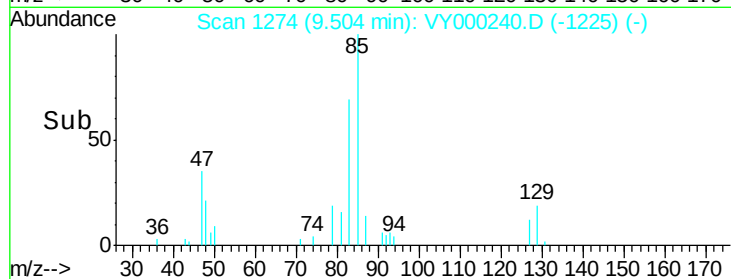
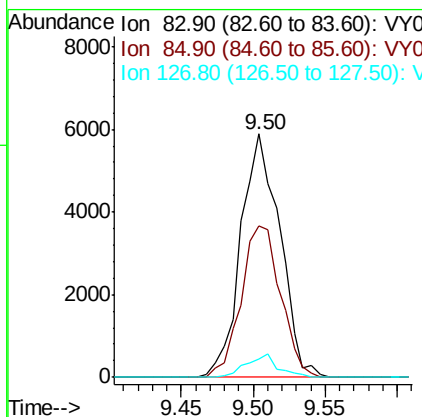
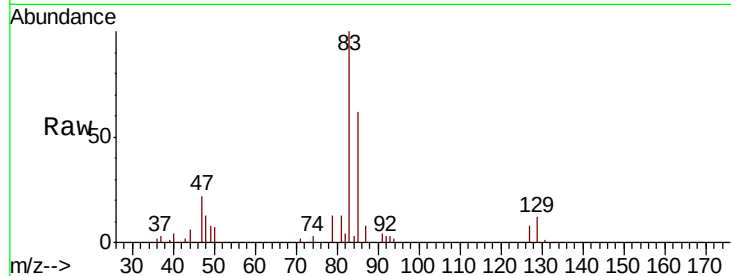
ClientSampleId :

2.5PPBMDL

Tot Ion:	83	Resp:	11062
Ion	Ratio	Lower	Upper
83	100		
85	62.3	48.0	72.0
127	7.6	6.5	9.7

Manual Integrations
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MMDadoda
10/11/2019 8:40:38 AM



#48

Methyl methacrylate

Concen: 2.103 ug/l

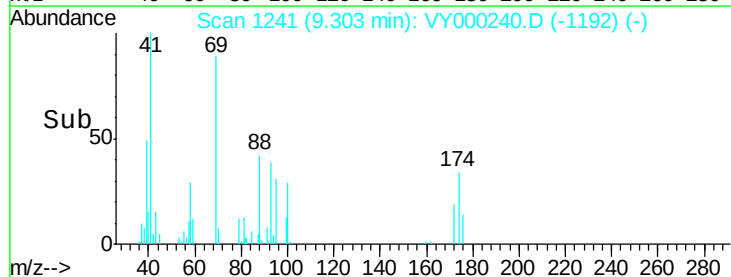
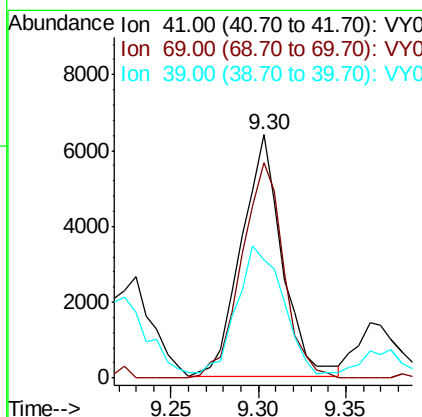
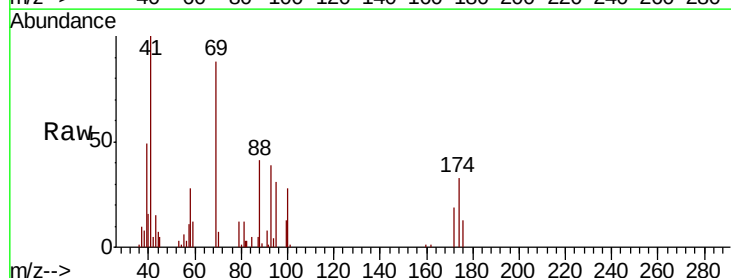
RT: 9.30 min Scan# 1241

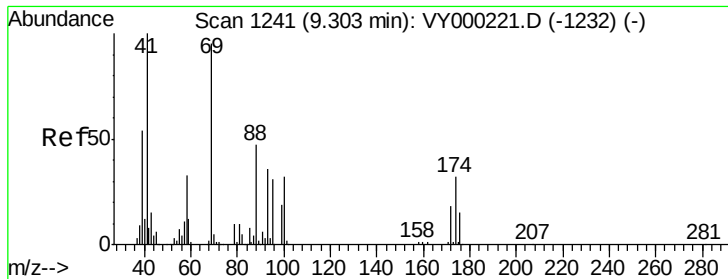
Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Tgt Ion:	41	Resp:	10451
Ion	Ratio	Lower	Upper
41	100		
69	91.2	70.3	105.5
39	63.7	45.5	68.3





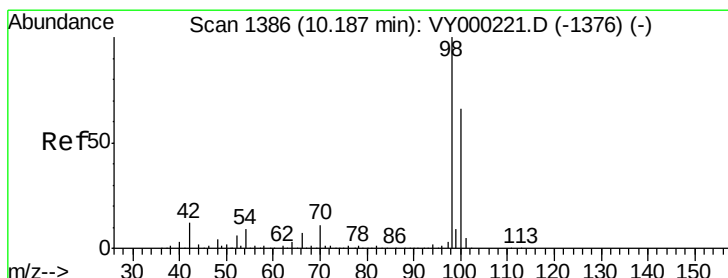
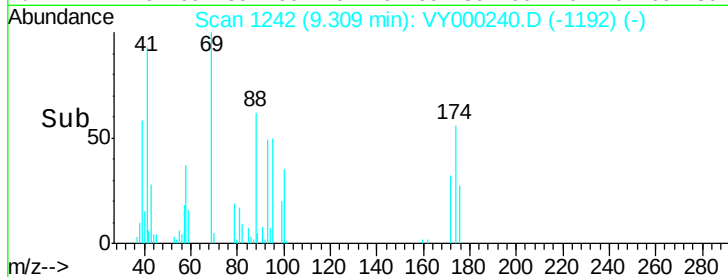
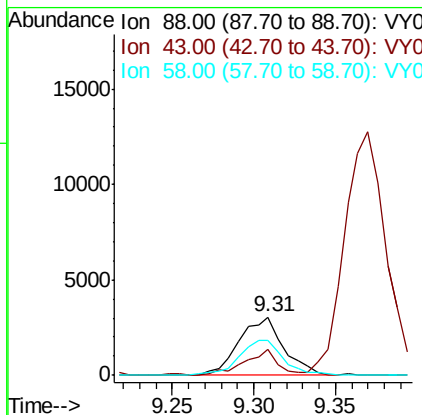
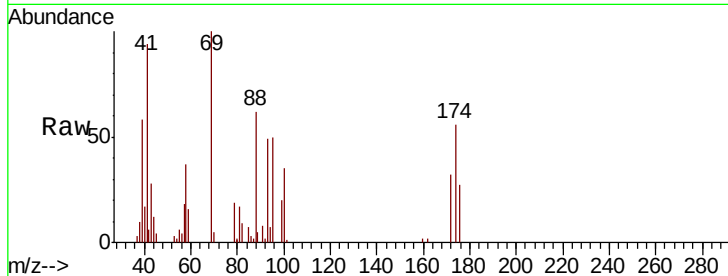
#49
1,4-Dioxane
Concen: 45.398 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	24.5	36.7
58	60.4	54.2	81.2

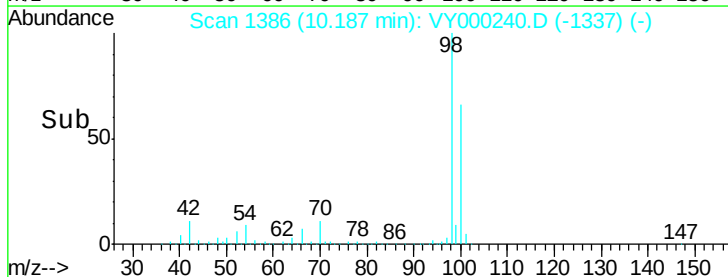
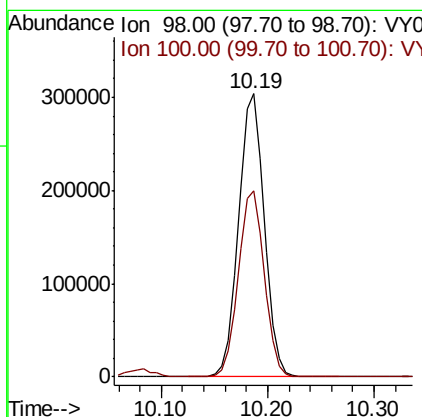
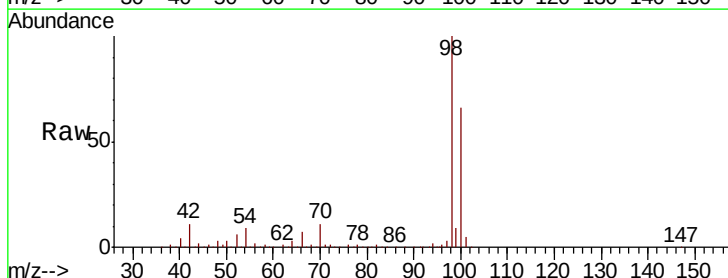
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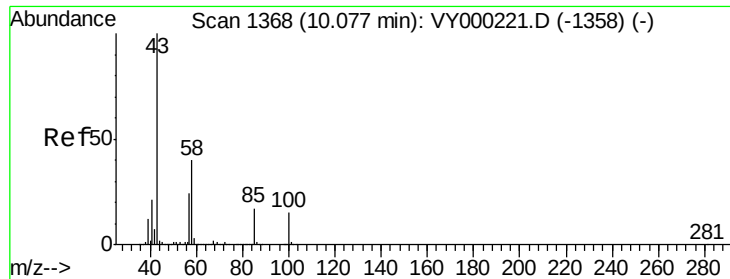
MMDadoda
10/11/2019 8:40:38 AM



#50
Toluene-d8
Concen: 45.400 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 11.296 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 93479

Ion Ratio Lower Upper

43 100

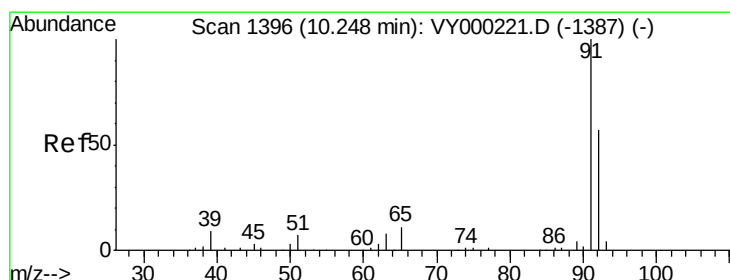
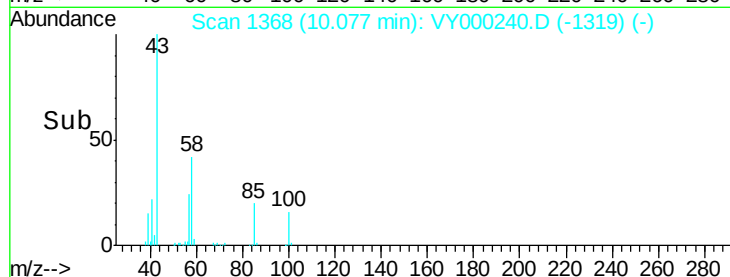
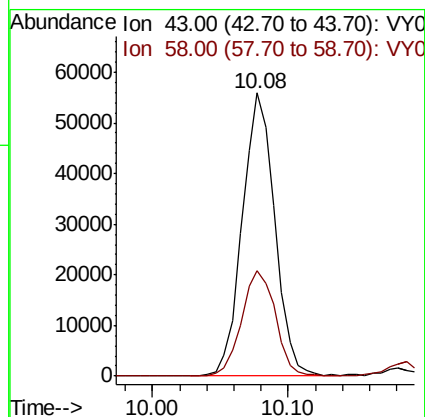
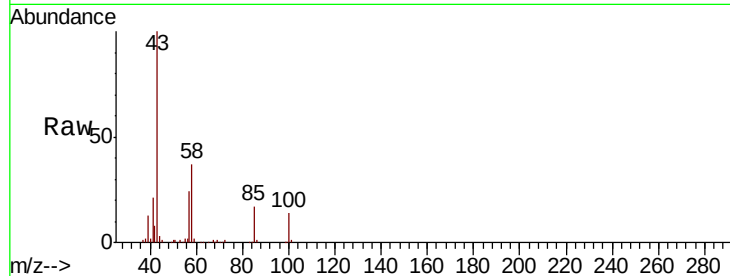
58 38.8 31.7 47.5

Manual Integrations

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10/11/2019 8:40:38 AM



#52

Toluene

Concen: 2.156 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000240.D

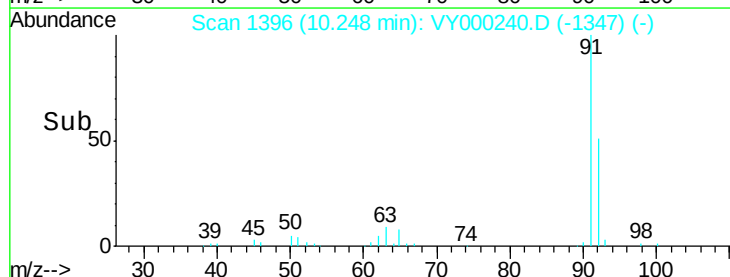
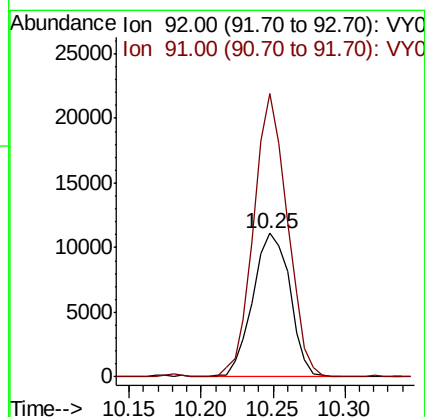
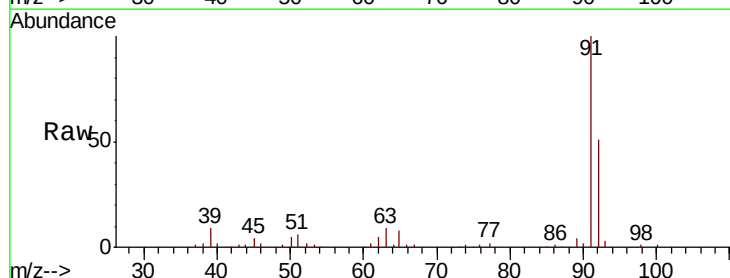
Acq: 09 Oct 2019 14:00

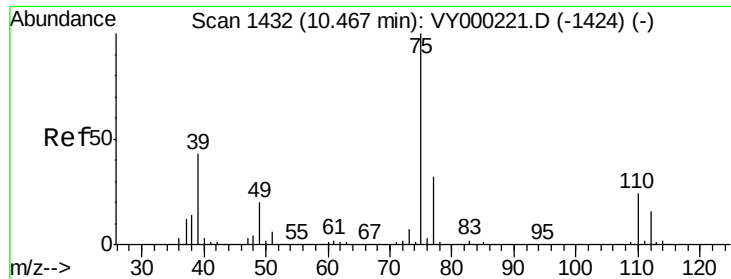
Tgt Ion: 92 Resp: 19851

Ion Ratio Lower Upper

92 100

91 178.3 139.1 208.7





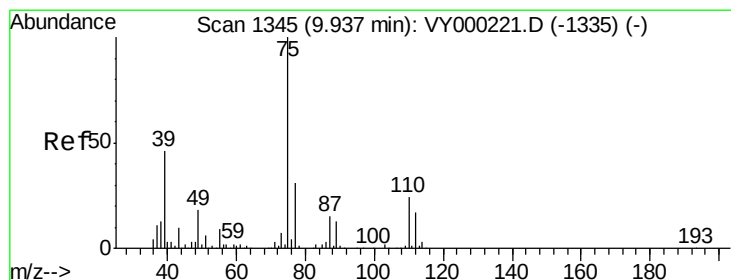
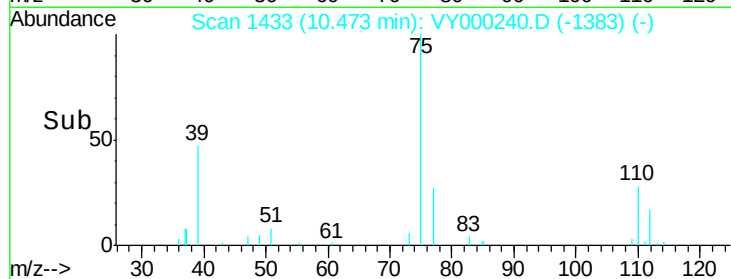
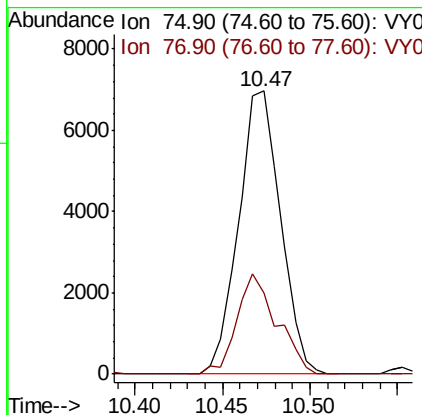
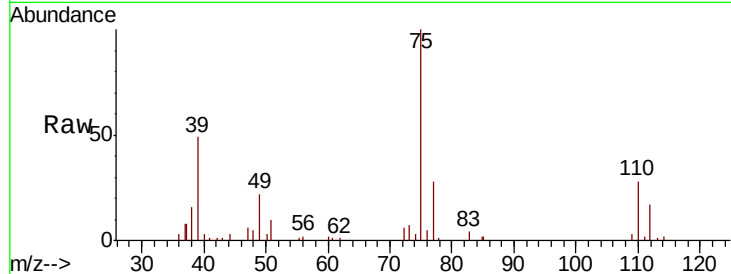
#53
 t-1,3-Dichloropropene
 Concen: 2.077 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion: 75 Resp: 11619
 Ion Ratio Lower Upper
 75 100
 77 28.5 25.3 37.9

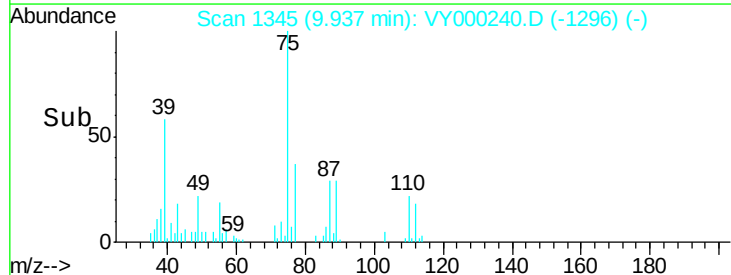
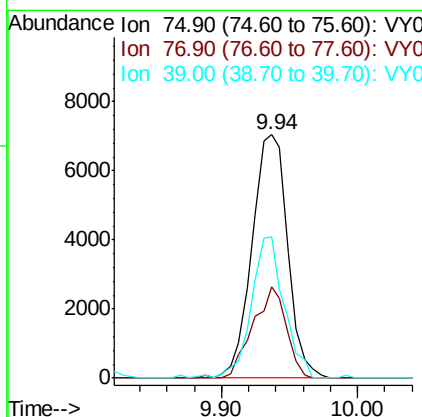
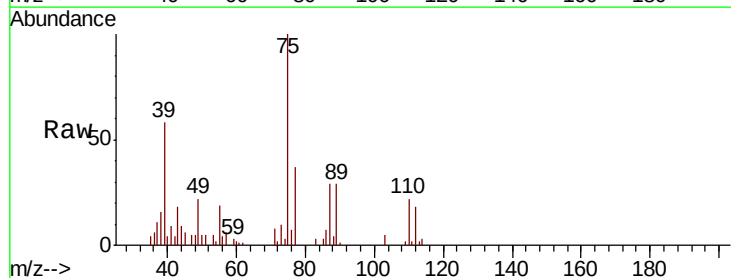
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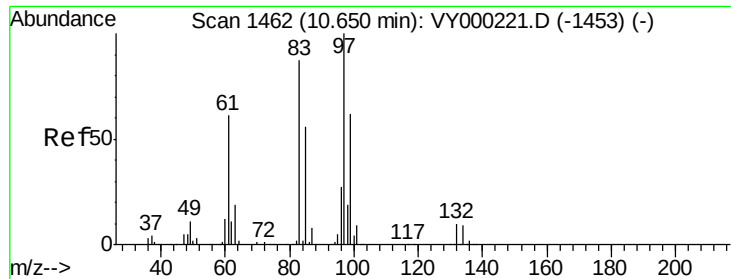
MMDadoda
 10/11/2019 8:40:38 AM



#54
 cis-1,3-Dichloropropene
 Concen: 2.142 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Tgt Ion: 75 Resp: 12965
 Ion Ratio Lower Upper
 75 100
 77 37.4 25.0 37.4
 39 58.0 36.3 54.5#





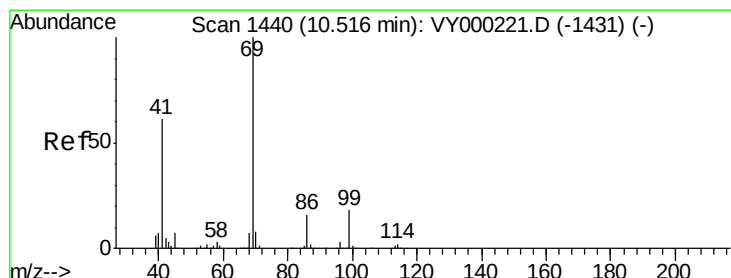
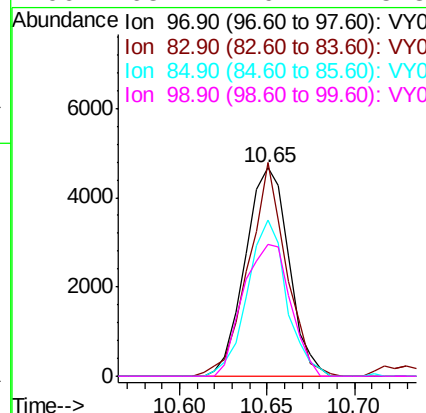
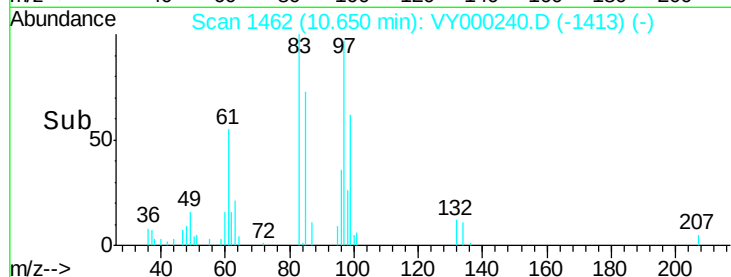
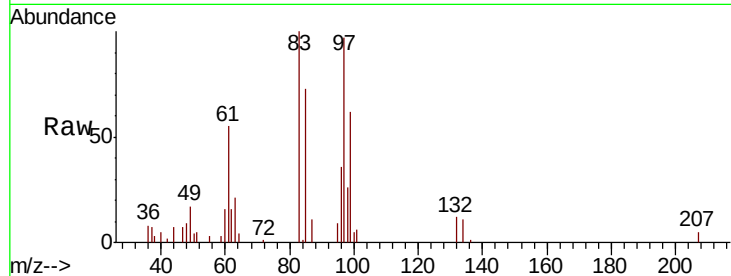
#55
 1,1,2-Trichloroethane
 Concen: 2.233 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
97	100		
83	102.6	69.4	104.0
85	75.3	44.6	66.8#
99	63.2	49.2	73.8

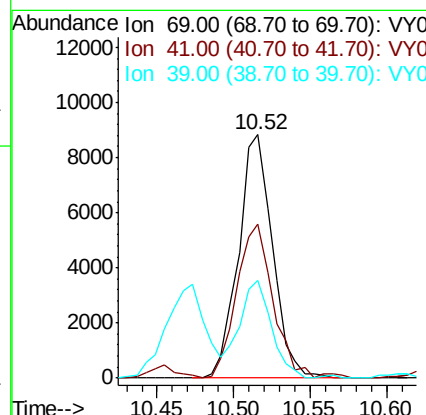
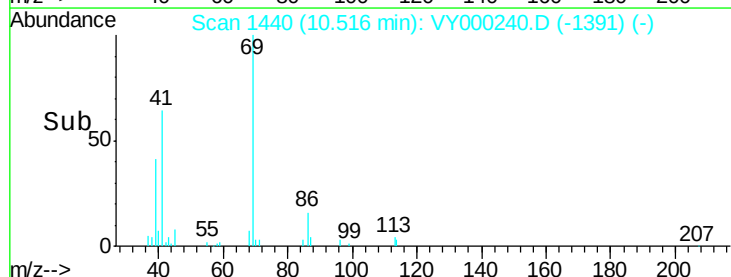
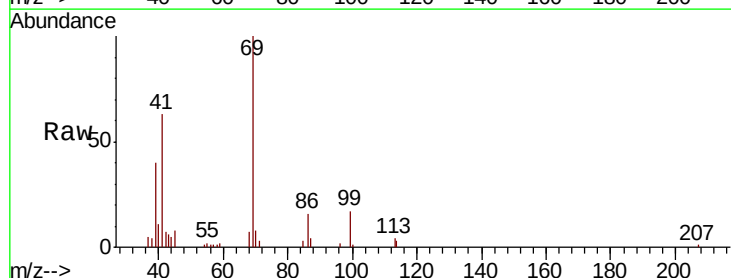
Manual Integrations
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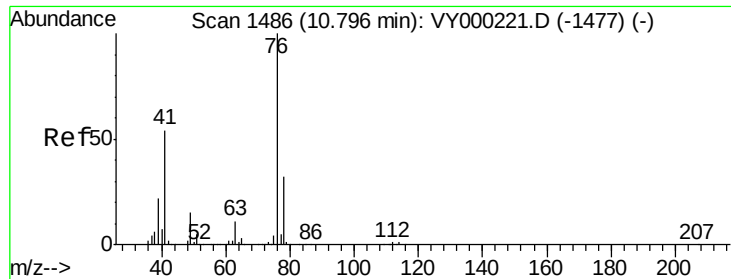
MMDadoda
 10/11/2019 8:40:38 AM



#56
 Ethyl methacrylate
 Concen: 2.138 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.5	51.2	76.8
39	37.8	27.0	40.4





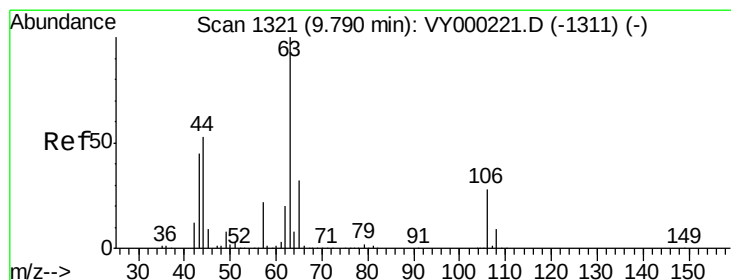
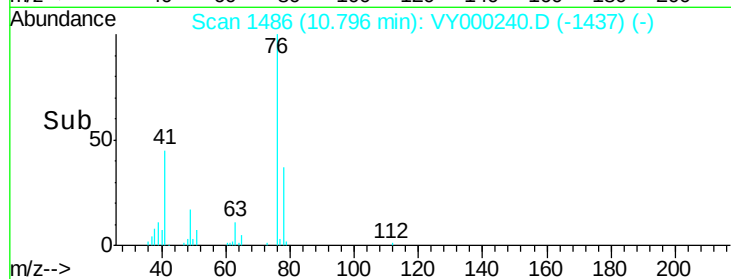
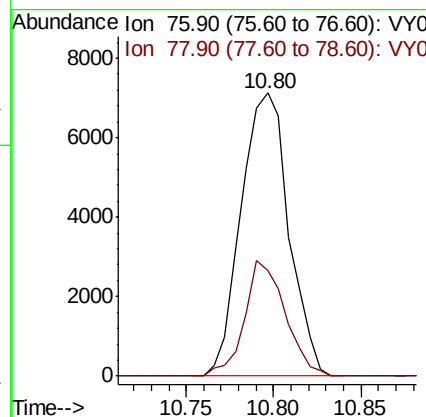
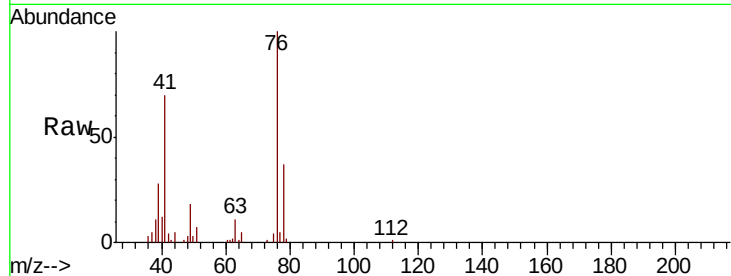
#57
 1,3-Dichloropropane
 Concen: 2.180 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion: 76 Resp: 13510
 Ion Ratio Lower Upper
 76 100
 78 34.7 26.0 39.0

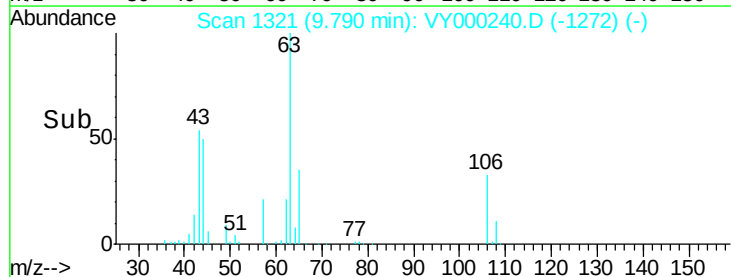
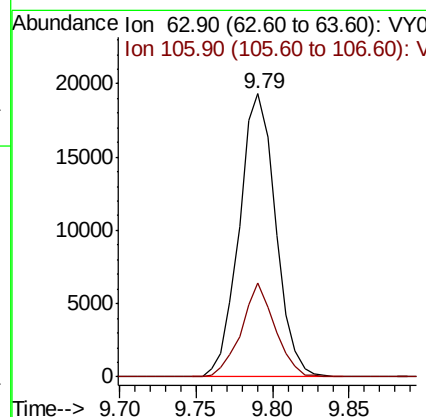
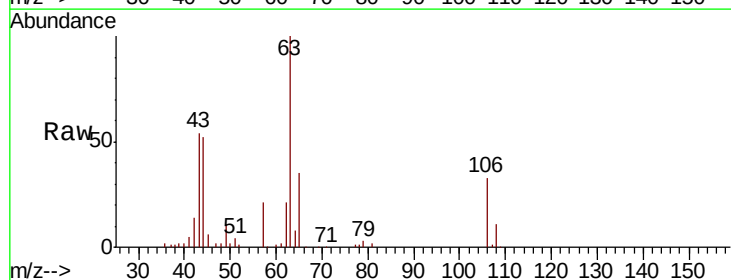
Manual Integrations
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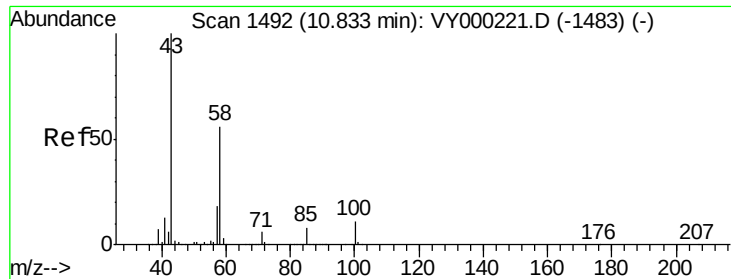
MMDadoda
 10/11/2019 8:40:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 11.209 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Tgt Ion: 63 Resp: 31934
 Ion Ratio Lower Upper
 63 100
 106 30.5 22.6 33.8





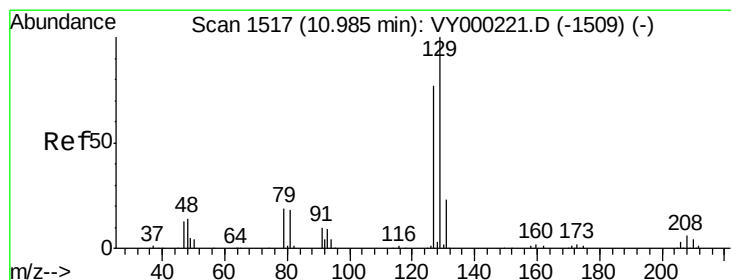
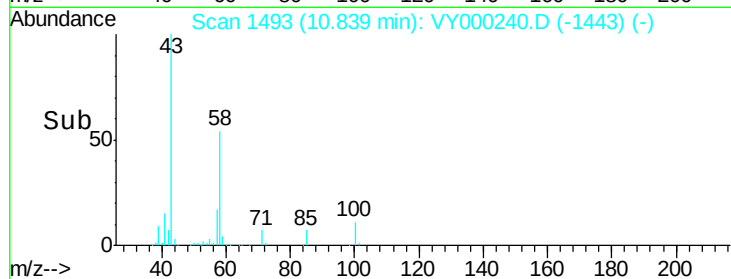
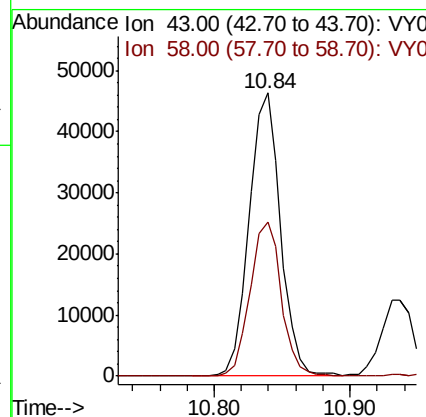
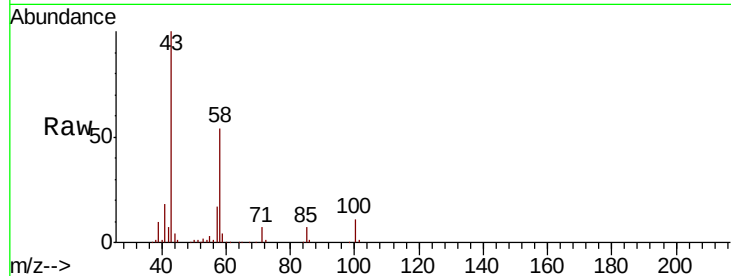
#59
2-Hexanone
Concen: 10.718 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion: 43 Resp: 75170
Ion Ratio Lower Upper
43 100
58 54.0 28.2 84.6

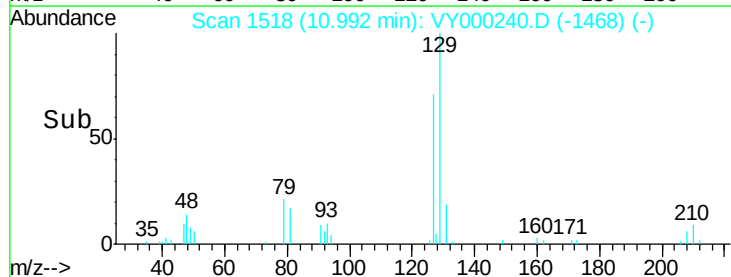
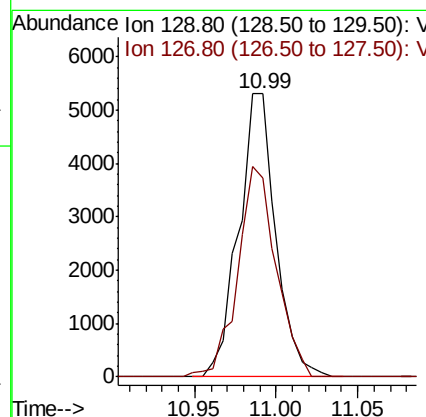
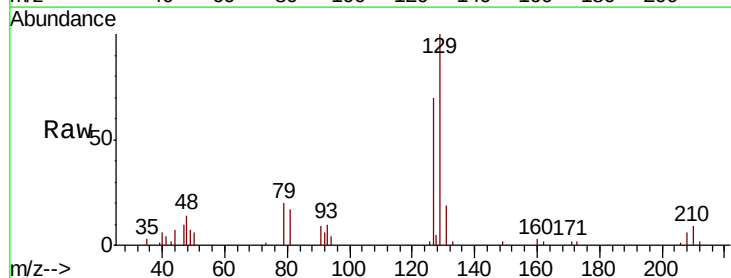
Manual Integrations
APPROVED

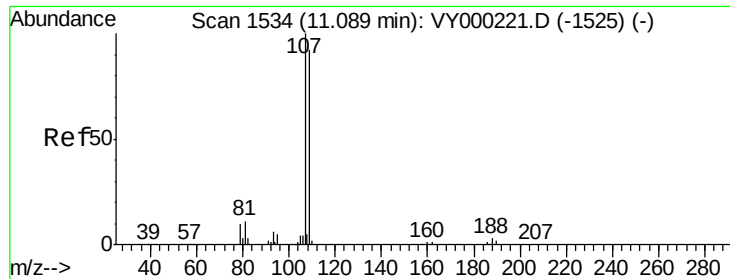
MMDadoda
10/11/2019 8:40:38 AM



#60
Dibromochloromethane
Concen: 2.194 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion: 129 Resp: 8421
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





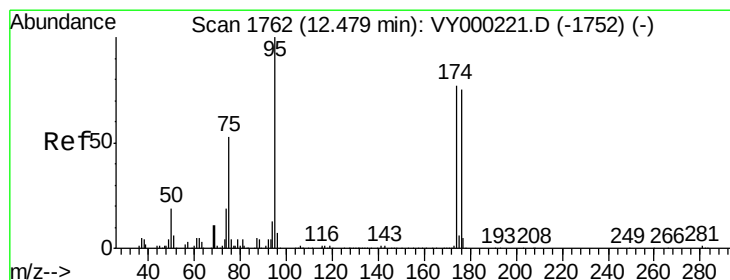
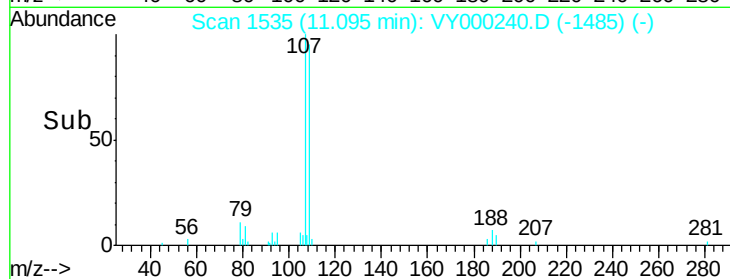
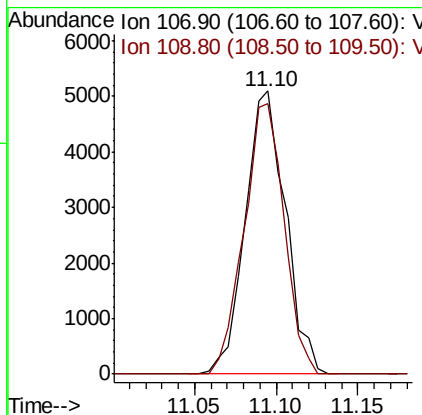
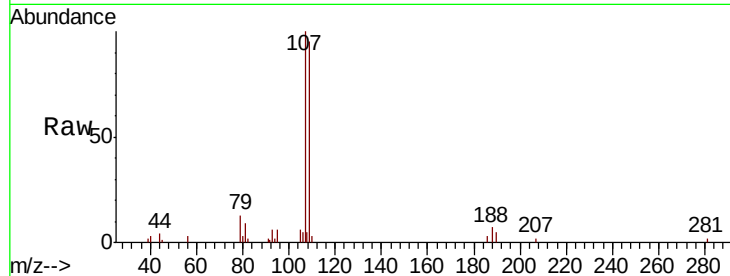
#61
 1,2-Dibromoethane
 Concen: 2.272 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.0	112.6

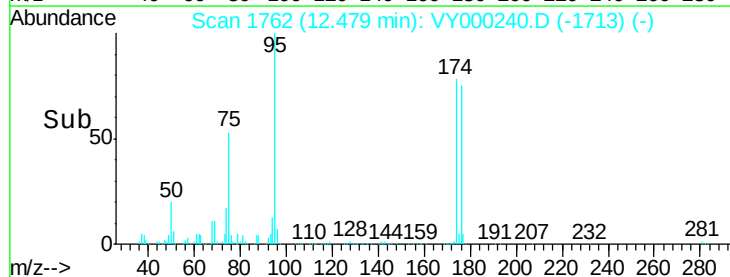
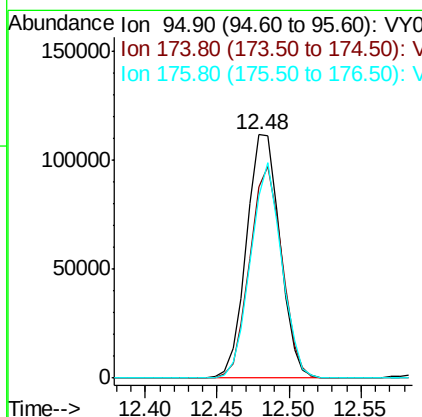
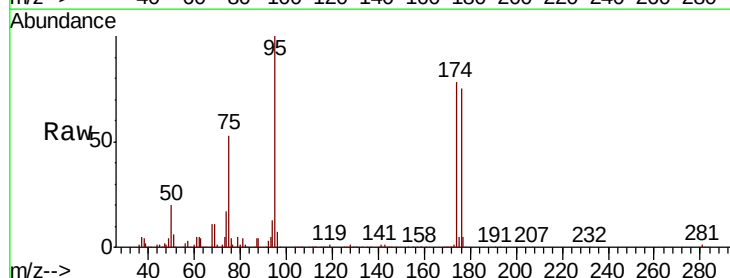
Manual Integrations
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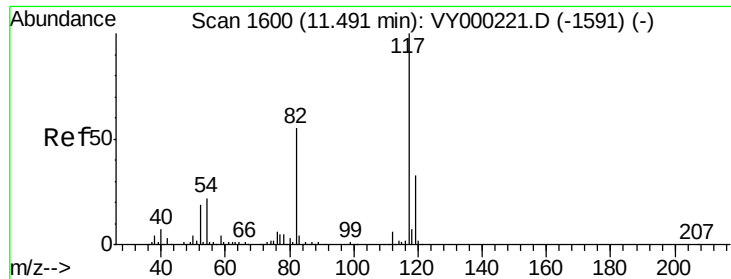
MMDadoda
 10/11/2019 8:40:38 AM



#62
 4-Bromofluorobenzene
 Concen: 44.595 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	157.0
176	81.8	0.0	153.0





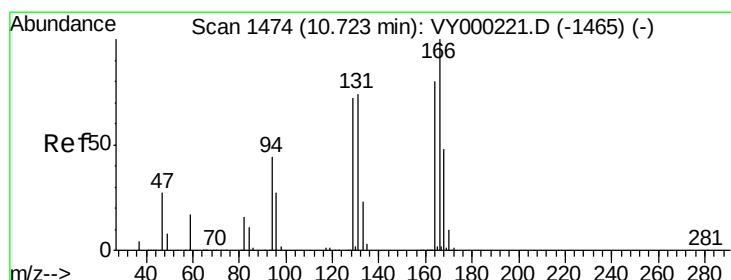
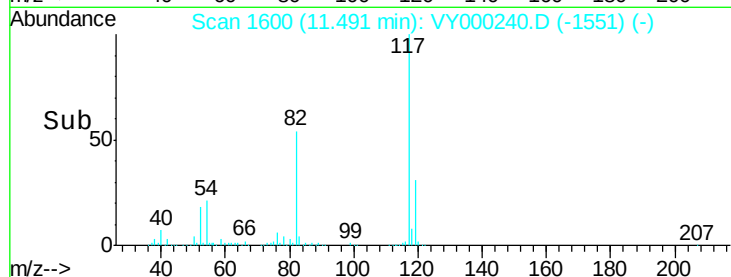
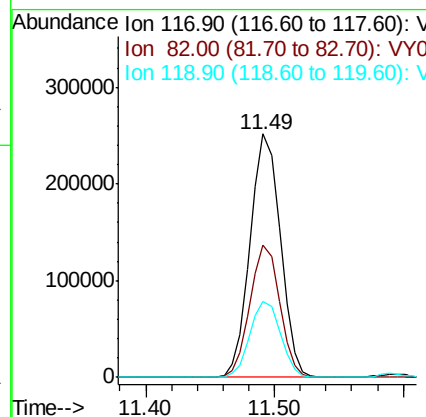
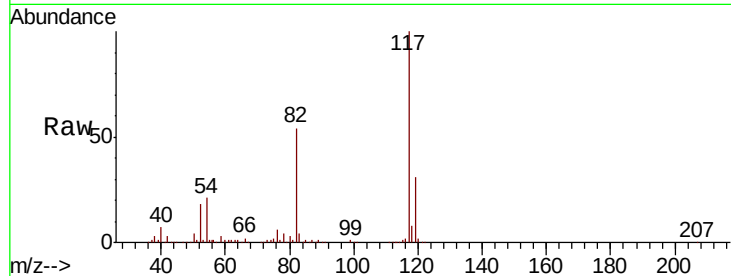
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	407737		
82	54.1		44.4	66.6
119	31.3		26.2	39.2

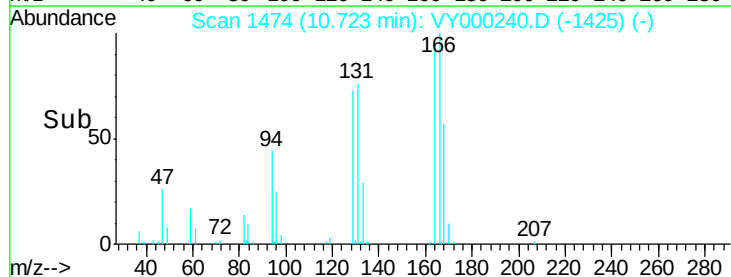
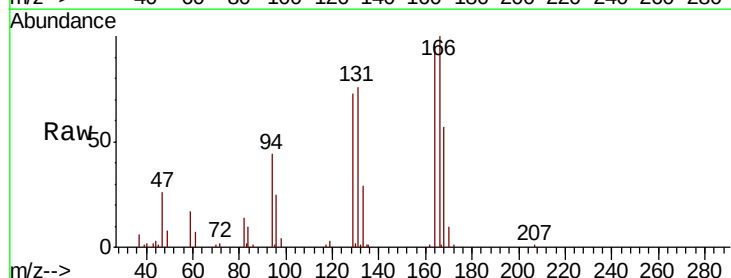
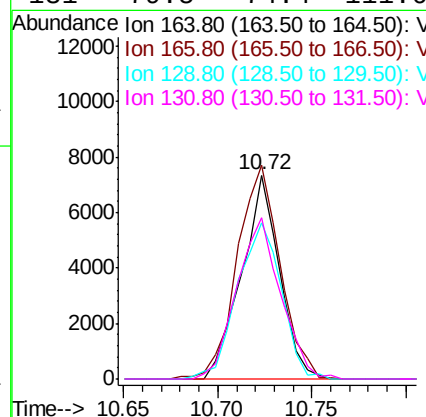
Manual Integrations
APPROVED

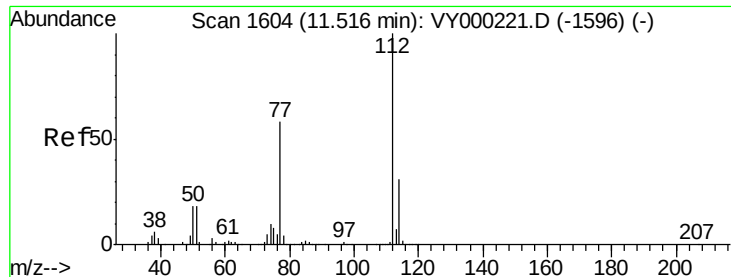
MMDadoda
10/11/2019 8:40:38 AM



#64
Tetrachloroethene
Concen: 2.738 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	10205		
166	104.9		100.3	150.5
129	76.9		72.4	108.6
131	79.5		74.4	111.6





#65

Chlorobenzene

Concen: 2.374 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:112 Resp: 22433

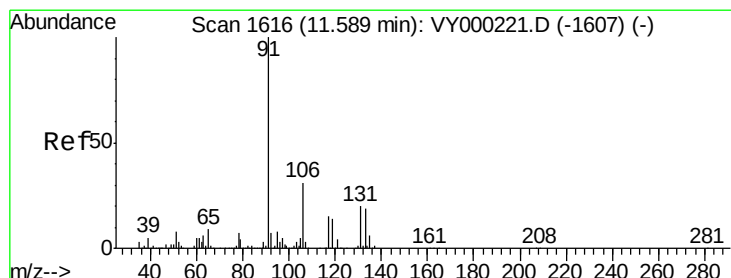
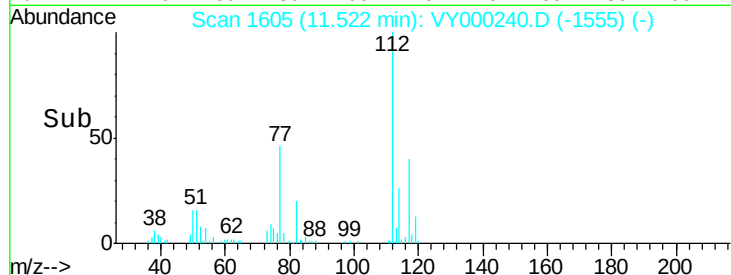
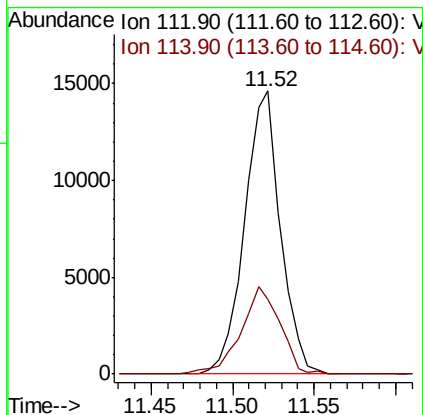
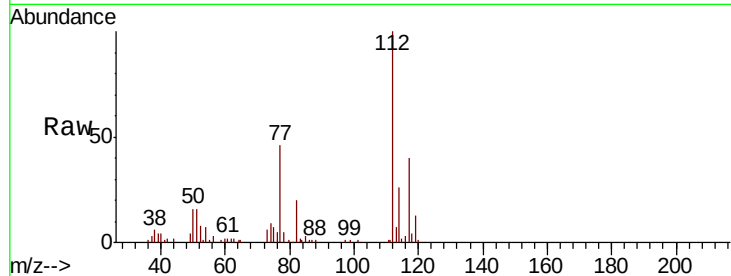
Ion Ratio Lower Upper

112 100

114 26.2 25.0 37.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 2.403 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

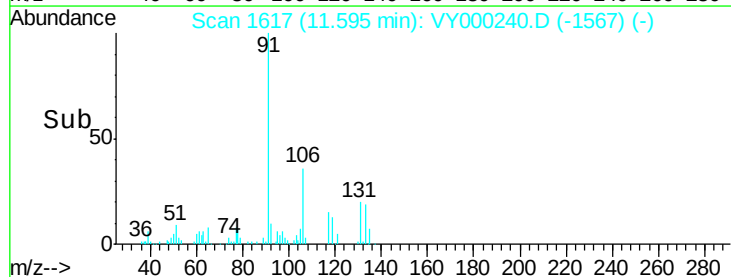
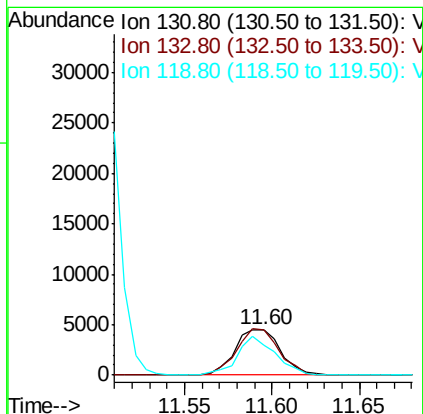
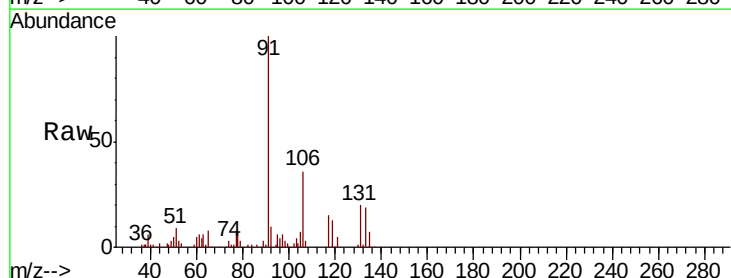
Tgt Ion:131 Resp: 8116

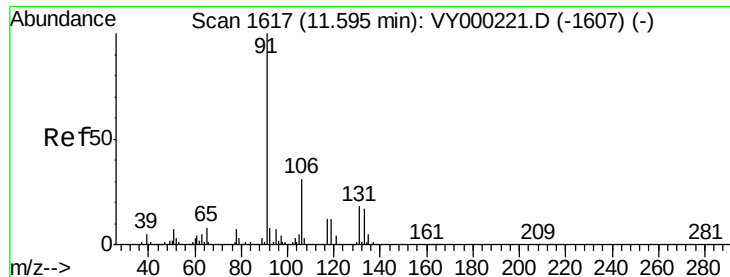
Ion Ratio Lower Upper

131 100

133 95.4 47.0 141.2

119 70.7 33.3 99.8





#67

Ethyl Benzene

Concen: 2.317 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 91 Resp: 39132

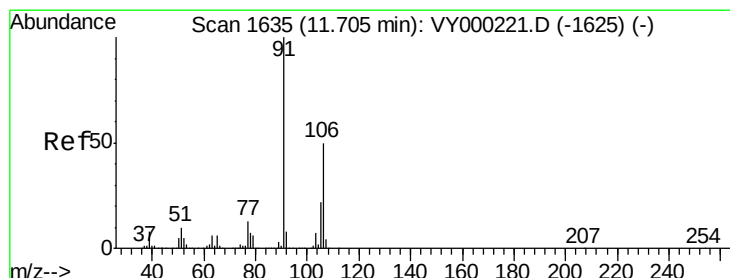
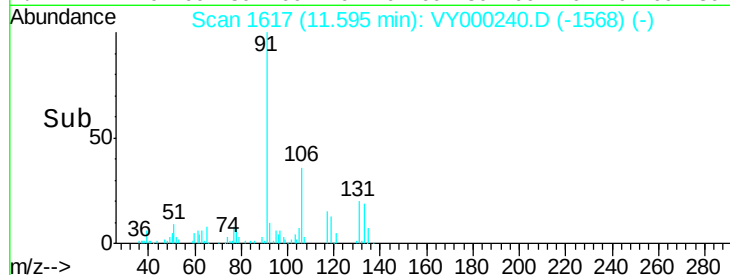
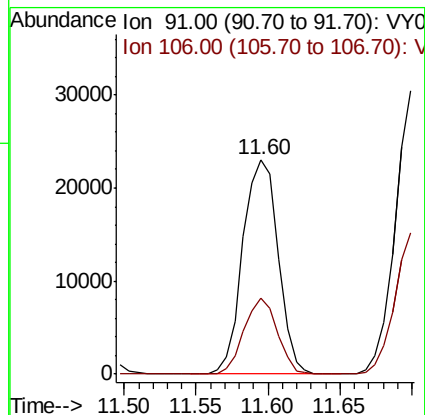
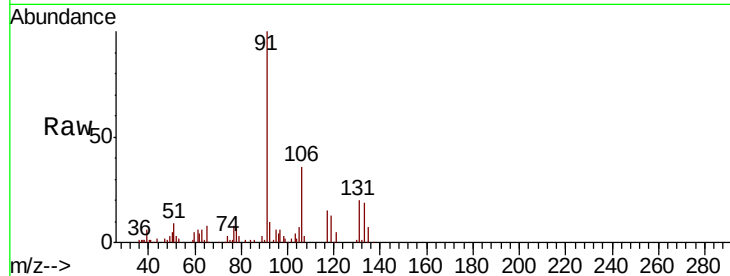
Ion Ratio Lower Upper

91 100

106 35.6 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 4.785 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VY000240.D

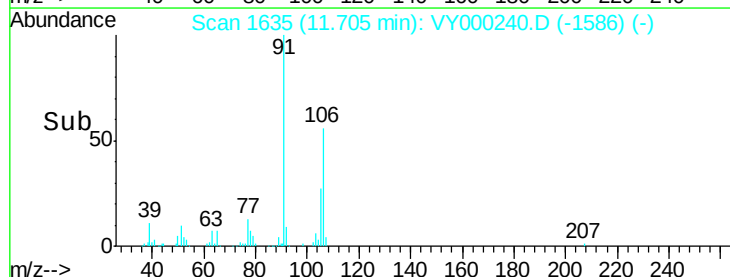
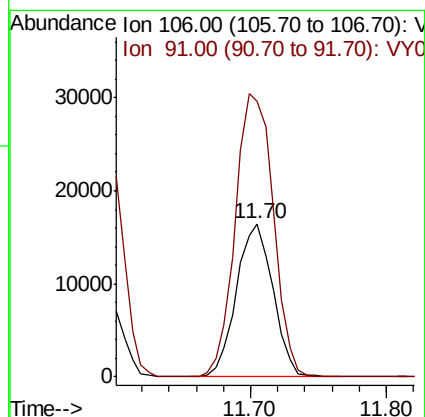
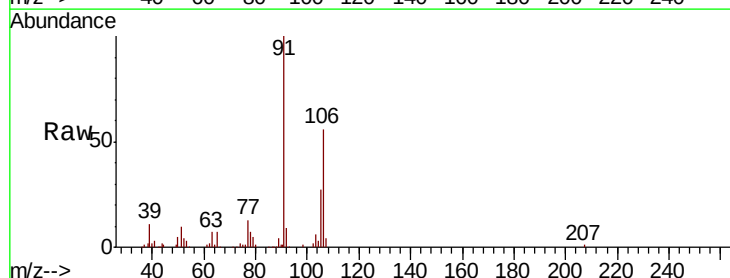
Acq: 09 Oct 2019 14:00

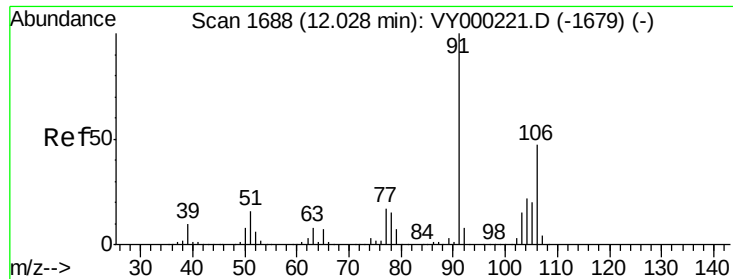
Tgt Ion: 106 Resp: 30840

Ion Ratio Lower Upper

106 100

91 192.7 159.9 239.9





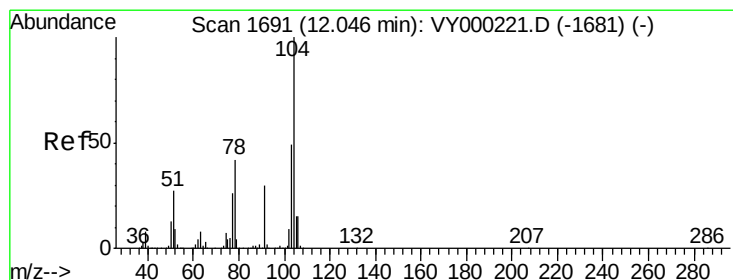
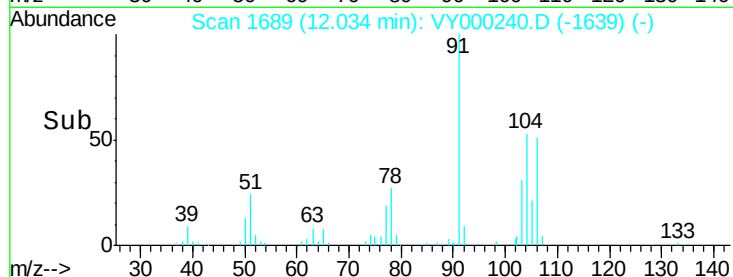
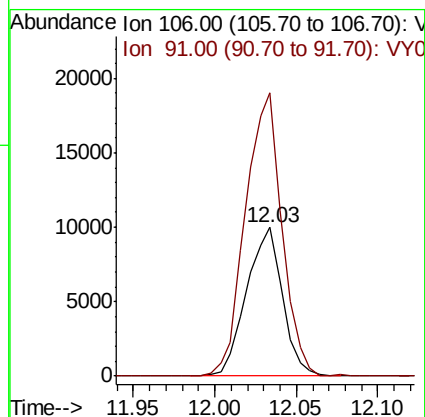
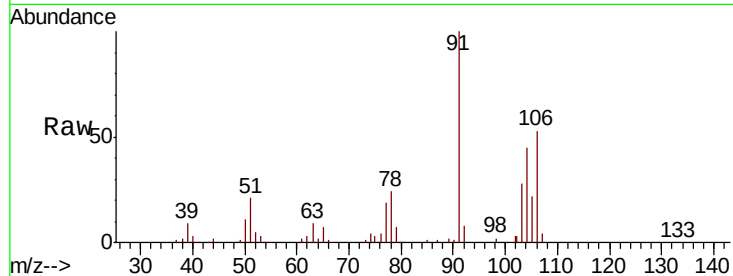
#69
o-Xylene
Concen: 2.471 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion:106 Resp: 15345
Ion Ratio Lower Upper
106 100
91 193.0 106.1 318.1

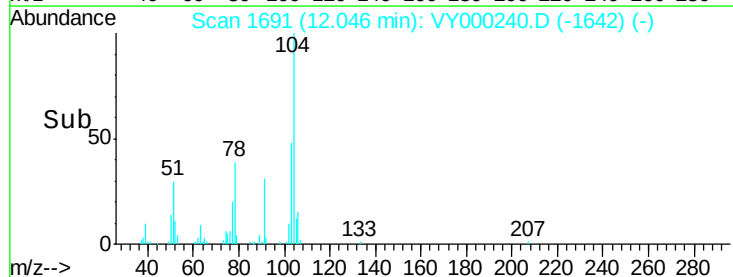
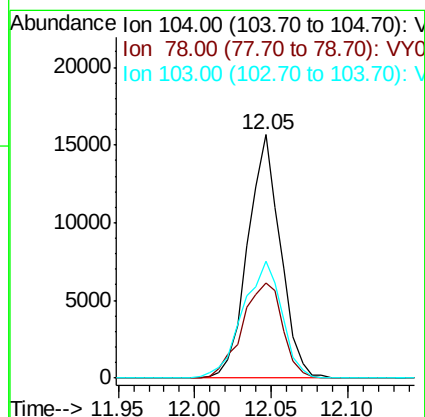
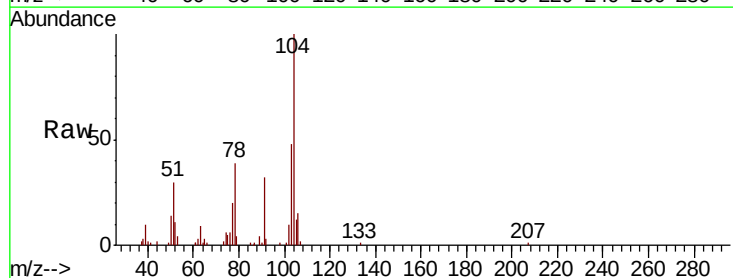
Manual Integrations
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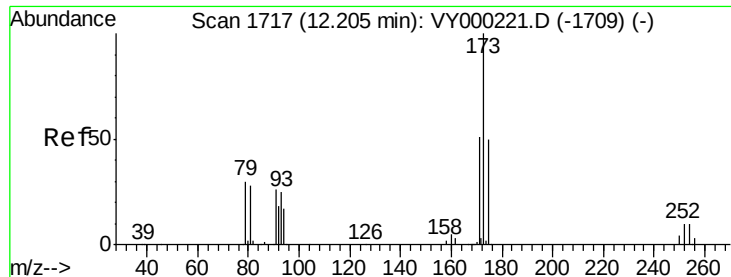
MMDadoda
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#70
Styrene
Concen: 2.168 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion:104 Resp: 23187
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.4
103 57.5 43.1 64.7





#71

Bromoform

Concen: 2.351 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

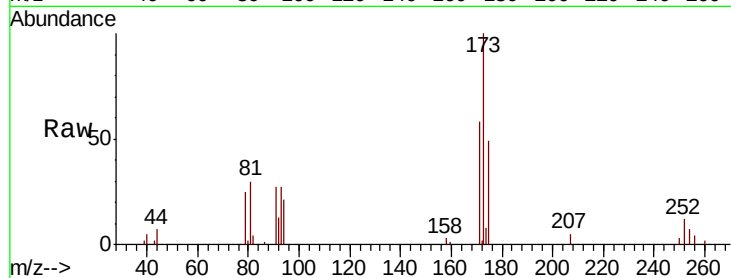
ClientSampled :

2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.8	74.3
254	0.0	0.1	0.1#

Manual Integrations
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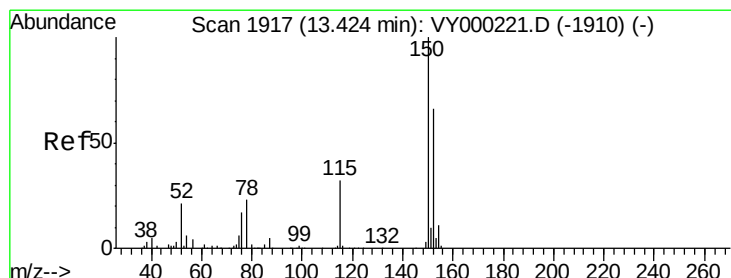
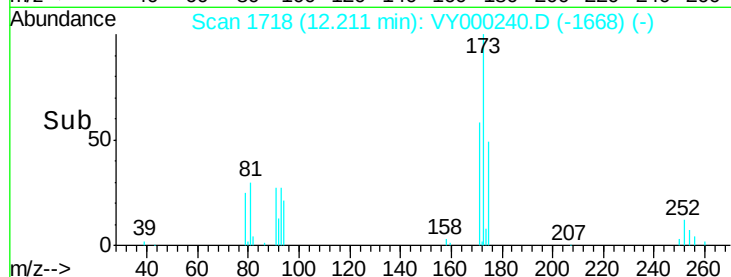
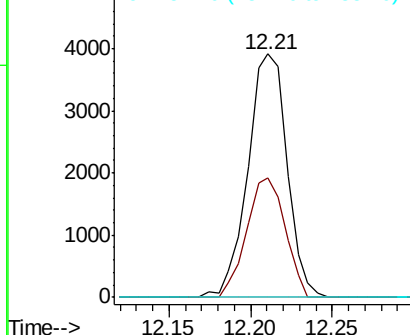


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

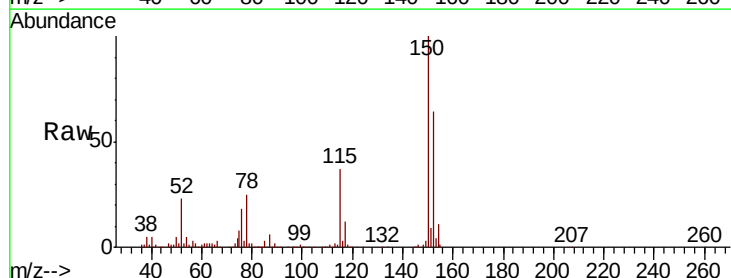
RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.3	88.0
150	159.3	0.0	349.6

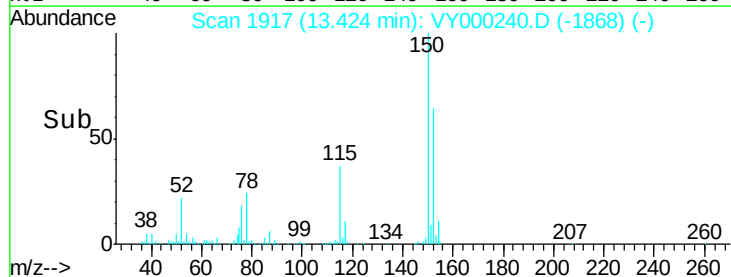
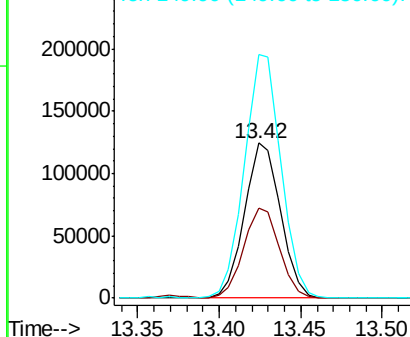


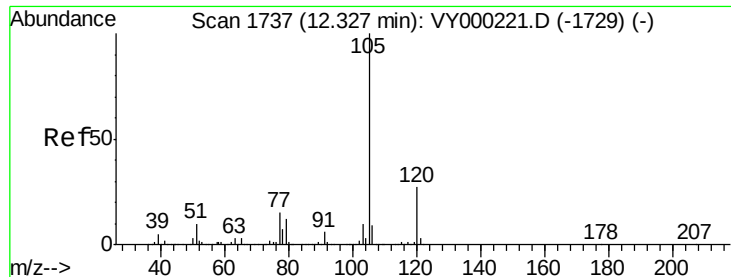
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.357 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 105 Resp: 38268

Ion Ratio Lower Upper

105 100

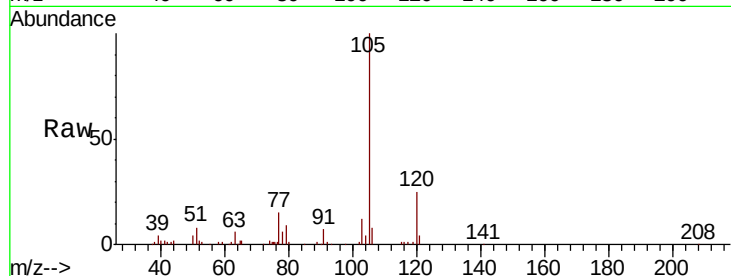
120 27.7 13.6 40.8

Manual Integrations

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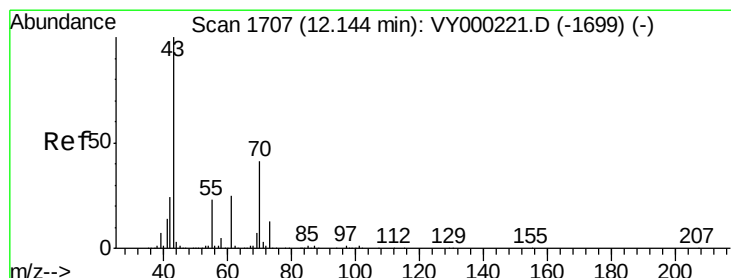
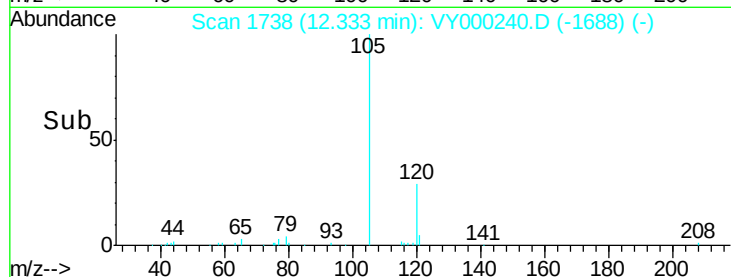
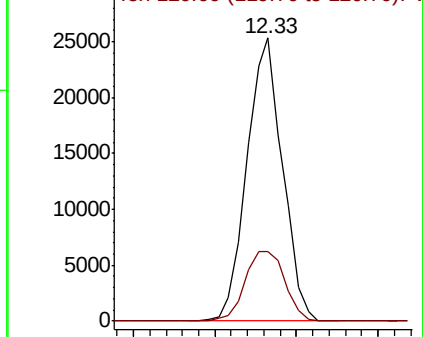
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 1.836 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Tgt Ion: 43 Resp: 14194

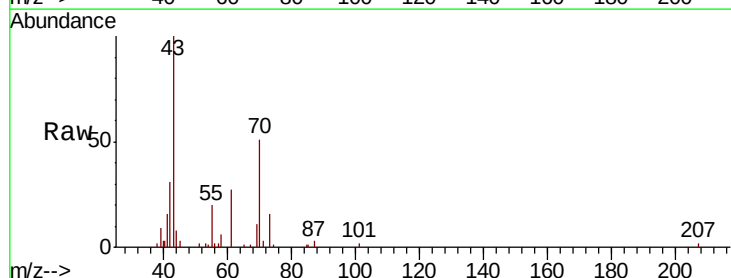
Ion Ratio Lower Upper

43 100

70 45.4 34.9 52.3

55 24.2 18.2 27.2

61 24.5 20.1 30.1

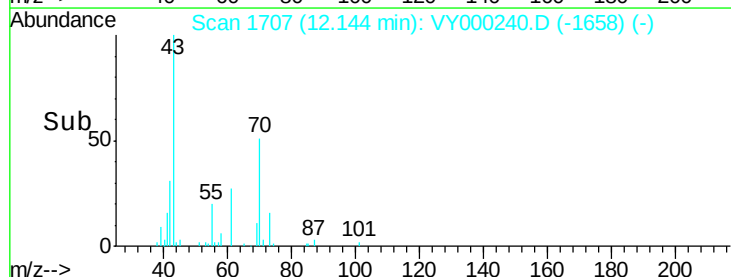
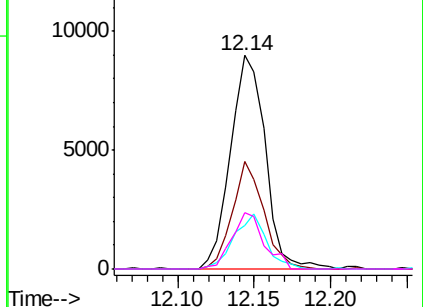


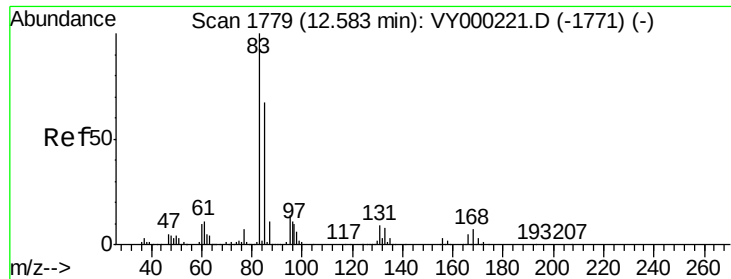
Abundance Ion 43.00 (42.70 to 43.70): VY0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.396 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

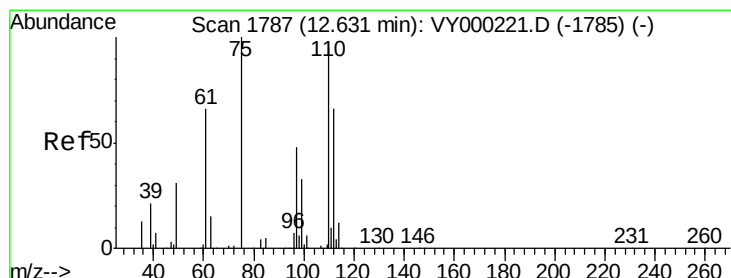
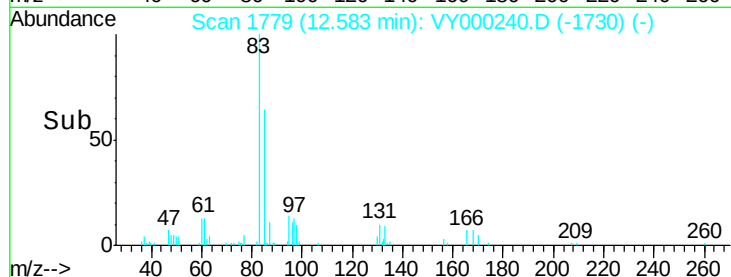
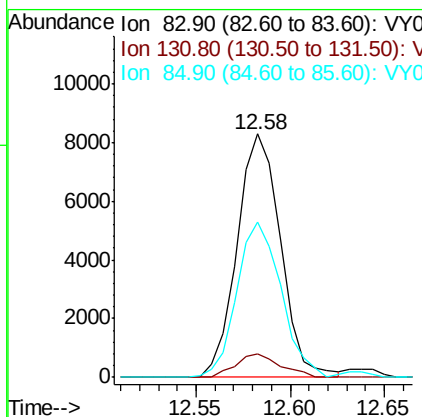
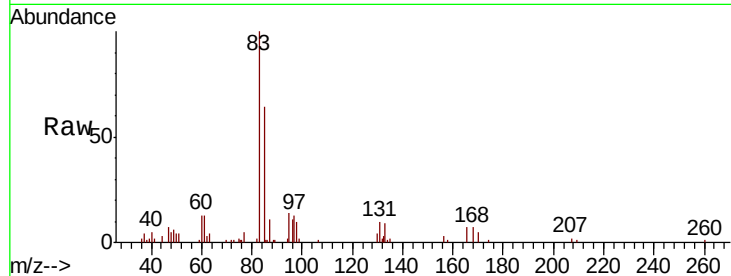
ClientSampleId :

2.5PPBMDL

Tot Ion:	83	Resp:	13273
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	64.8	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.480 ug/l m

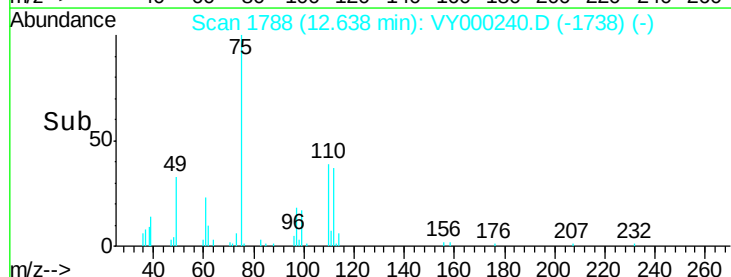
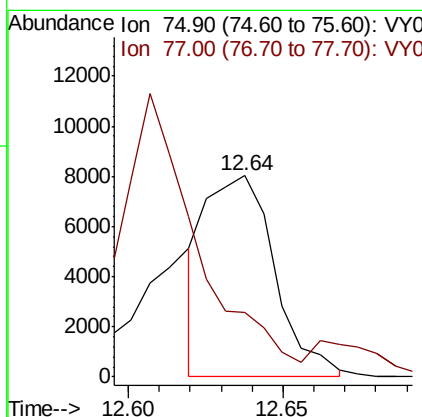
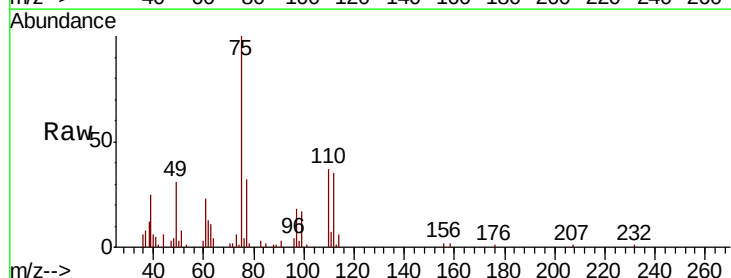
RT: 12.64 min Scan# 1788

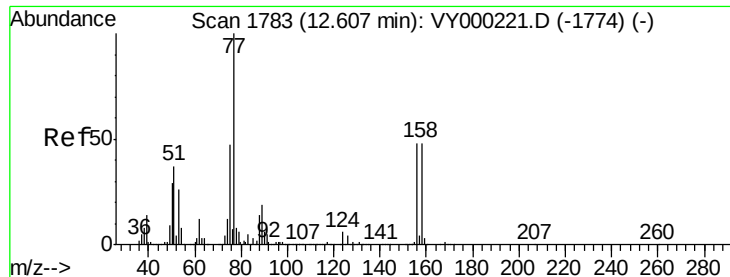
Delta R.T. 0.01 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Tgt Ion:	75	Resp:	12544
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





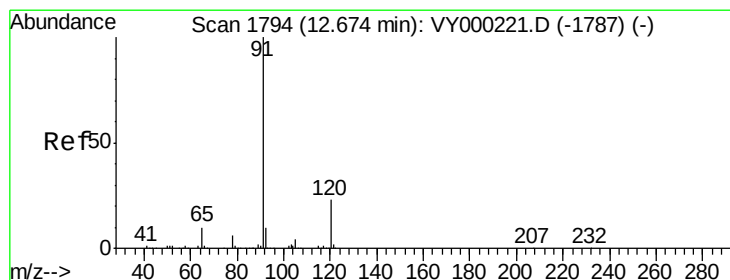
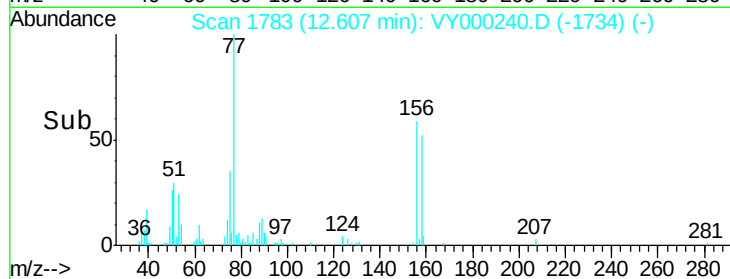
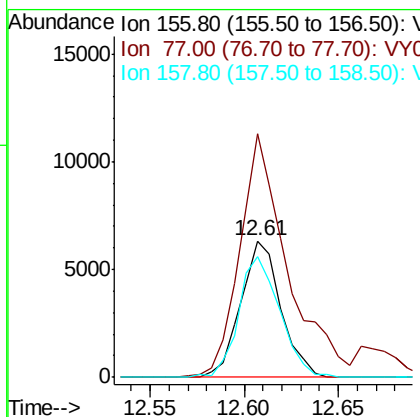
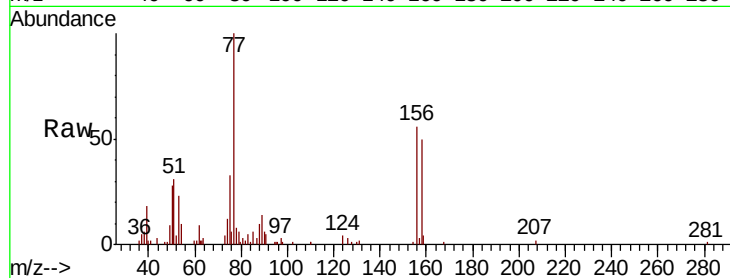
#77
Bromobenzene
Concen: 2.452 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampled :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.9	118.1	354.3
158	91.0	47.8	143.3

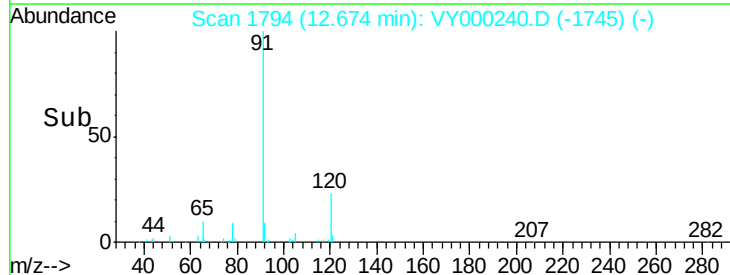
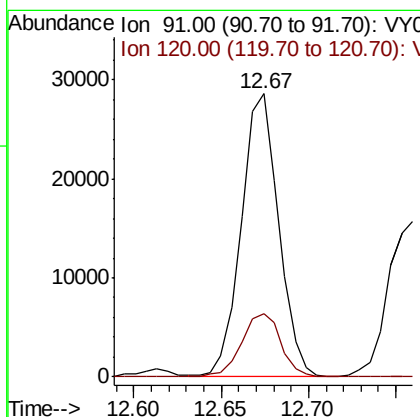
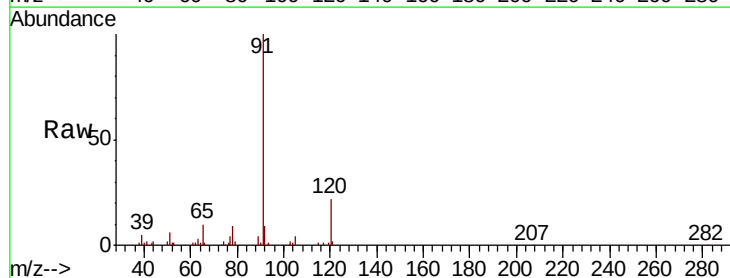
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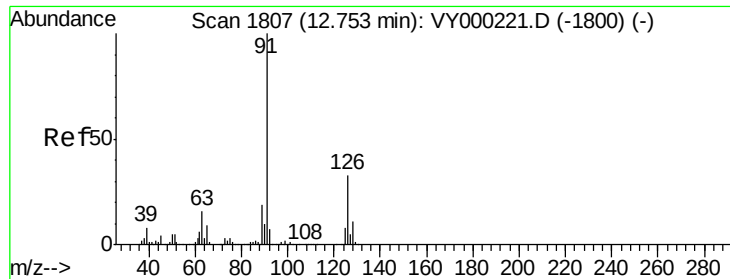
MMDadoda
10/11/2019 8:40:38 AM



#78
n-propylbenzene
Concen: 2.238 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.3	33.8





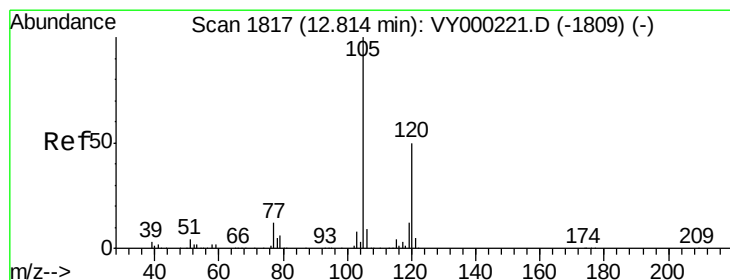
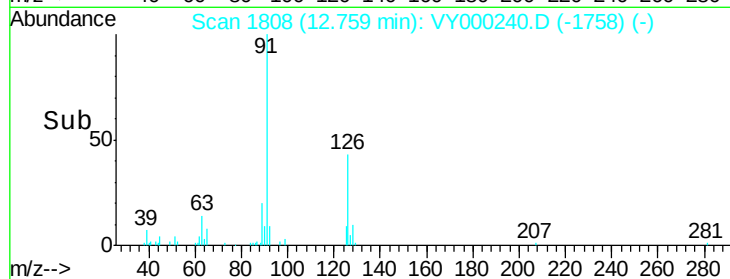
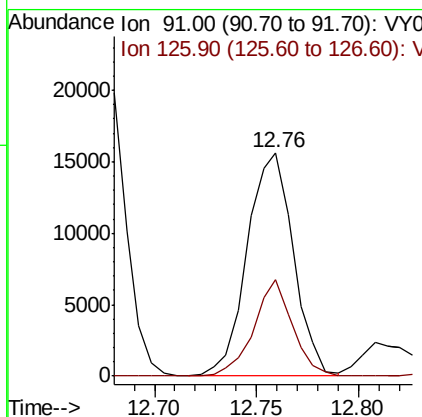
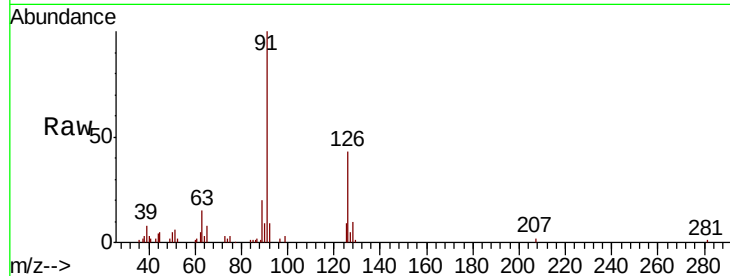
#79
 2-Chlorotoluene
 Concen: 2.257 ug/l
 RT: 12.76 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion: 91 Resp: 24641
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.2 51.6

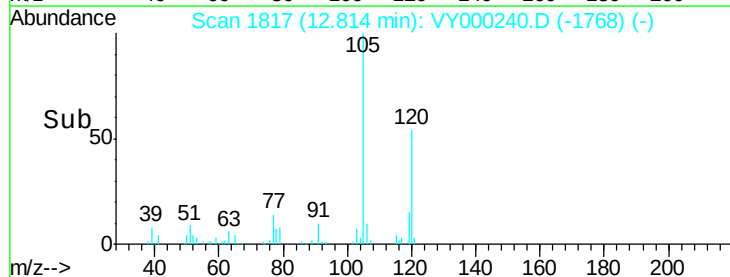
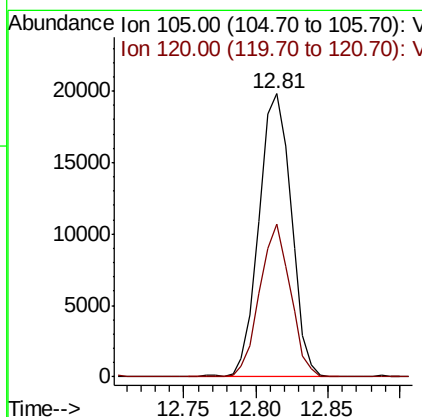
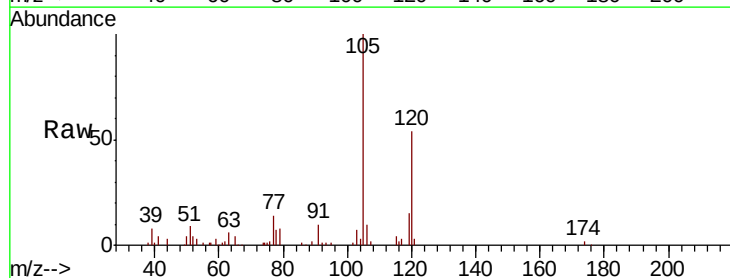
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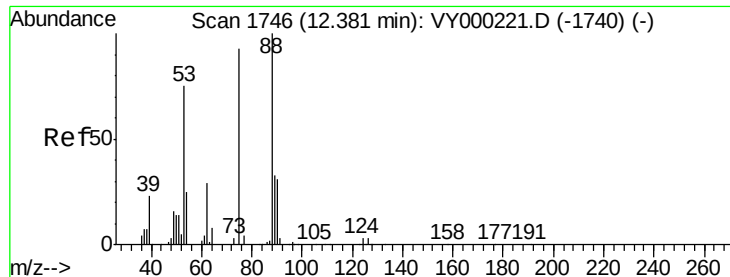
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#80
 1,3,5-Trimethylbenzene
 Concen: 2.275 ug/l
 RT: 12.81 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Tgt Ion: 105 Resp: 30822
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 1.831 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 75 Resp: 4488

Ion Ratio Lower Upper

75 100

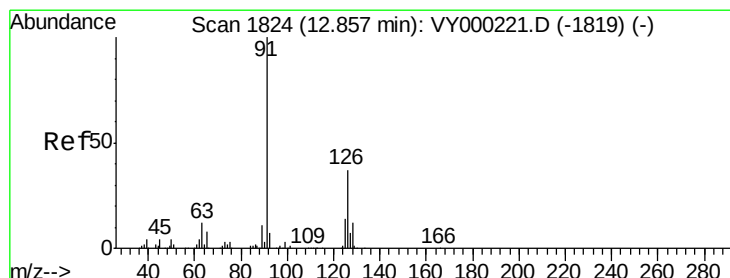
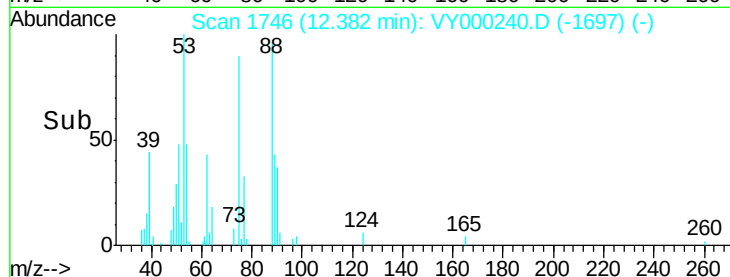
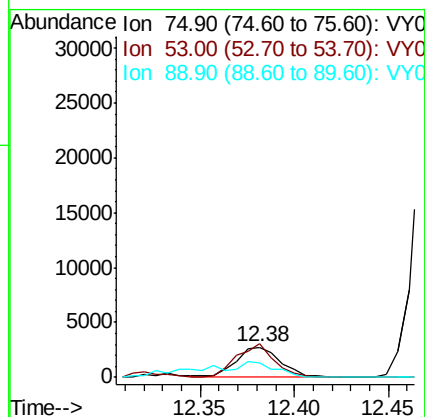
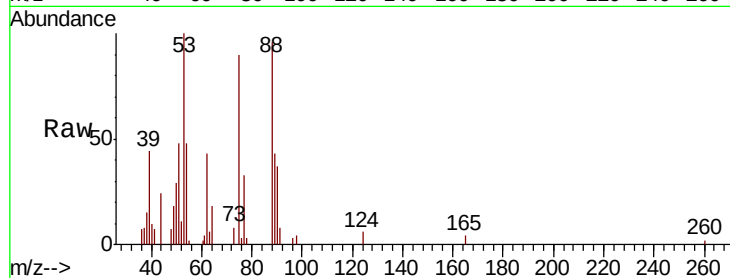
53 95.2 66.5 99.7

89 43.4 46.9 70.3#

Manual Integrations
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10/11/2019 8:40:38 AM



#82

4-Chlorotoluene

Concen: 2.343 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VY000240.D

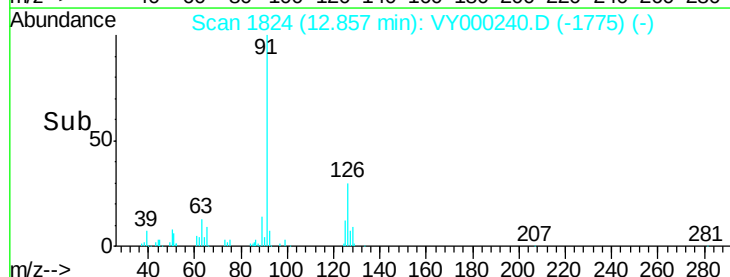
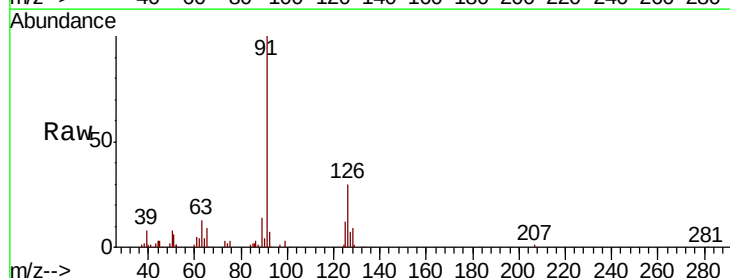
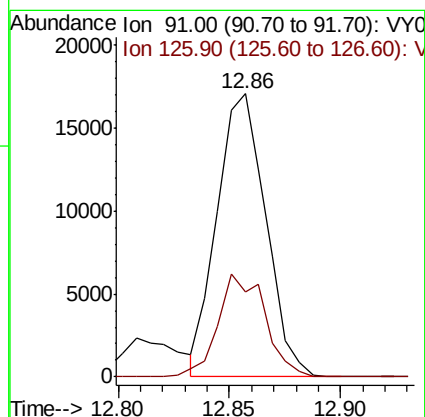
Acq: 09 Oct 2019 14:00

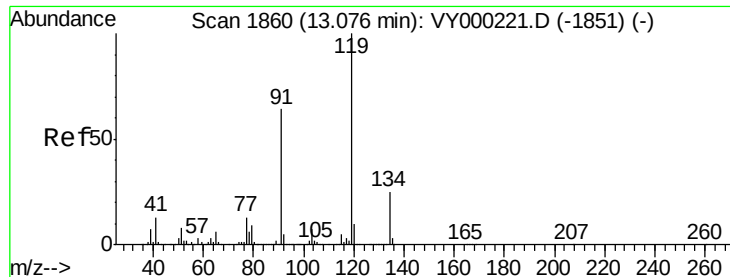
Tgt Ion: 91 Resp: 25908

Ion Ratio Lower Upper

91 100

126 35.2 17.3 52.0





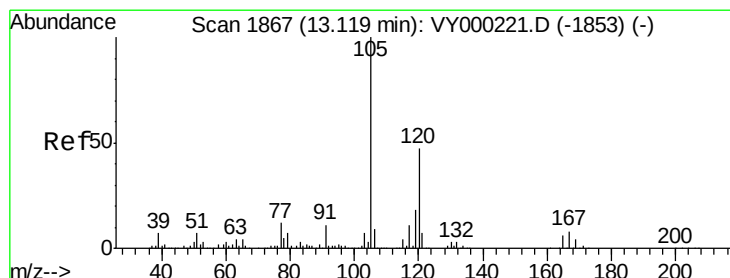
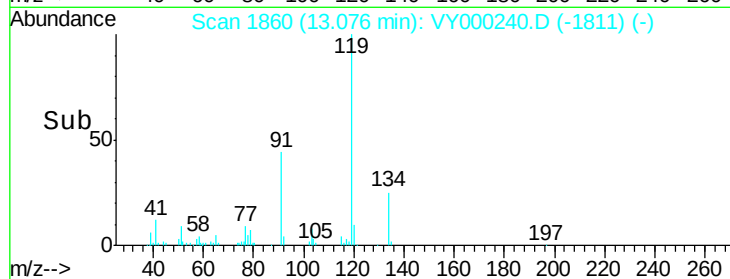
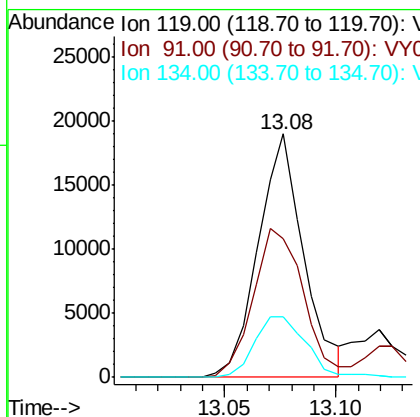
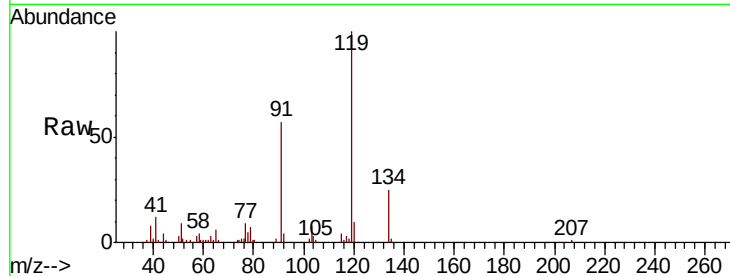
#83
tert-Butylbenzene
Concen: 2.284 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	32.4	97.2
134	28.9	13.2	39.6

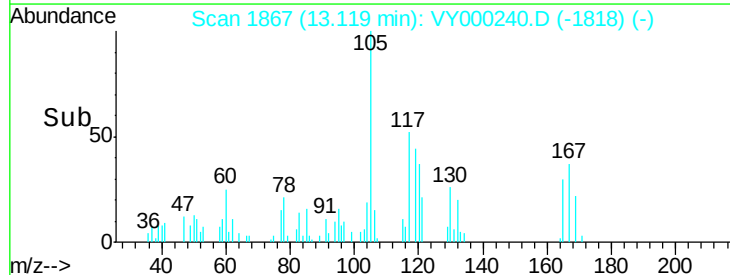
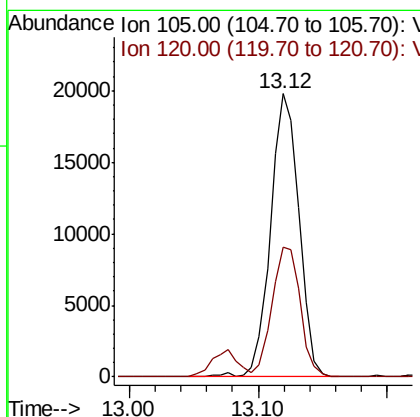
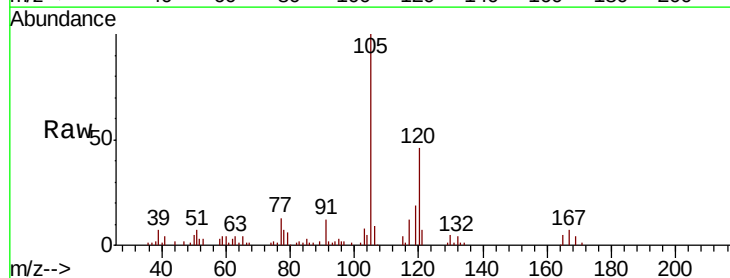
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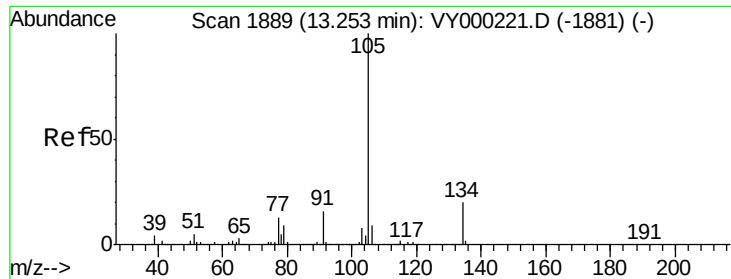
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#84
1,2,4-Trimethylbenzene
Concen: 2.254 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3





#85

sec-Butylbenzene

Concen: 2.307 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:105 Resp: 37443

Ion Ratio Lower Upper

105 100

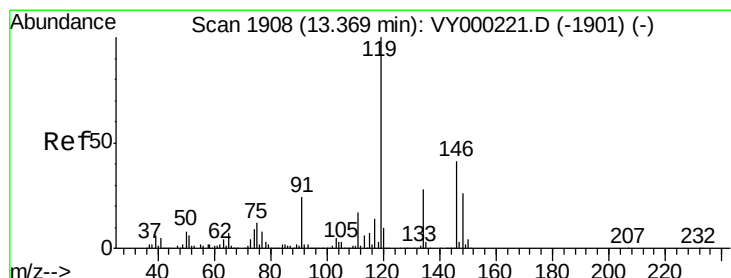
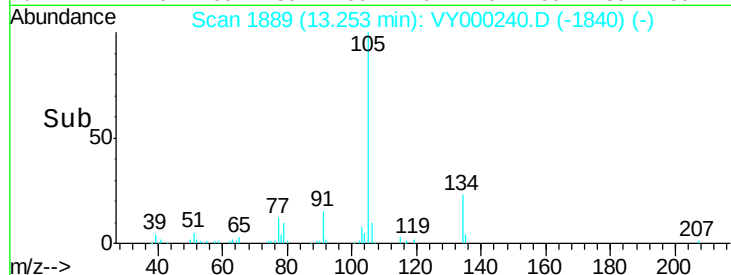
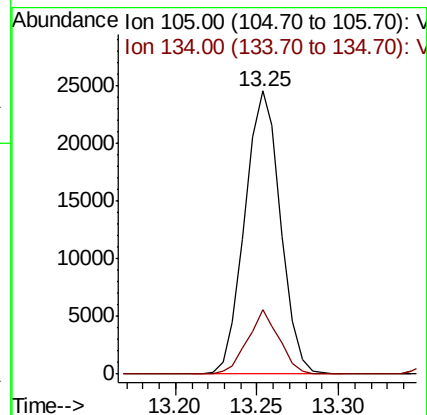
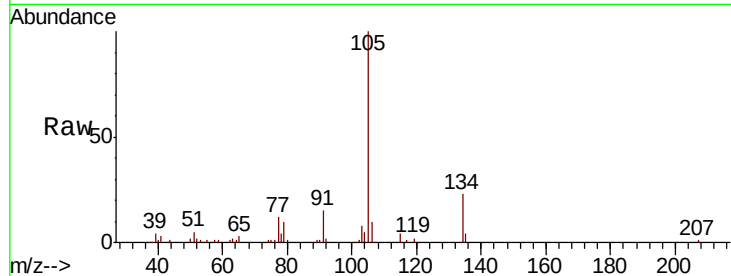
134 20.3 10.2 30.6

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10/11/2019 8:40:38 AM



#86

p-Isopropyltoluene

Concen: 2.228 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

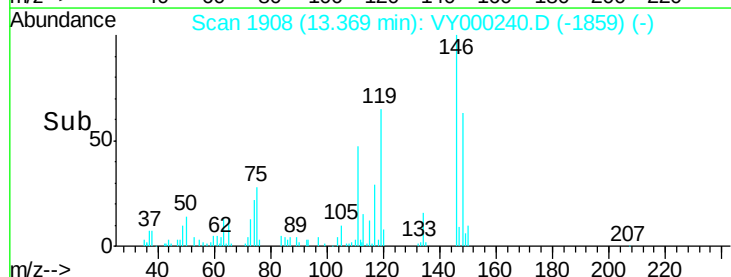
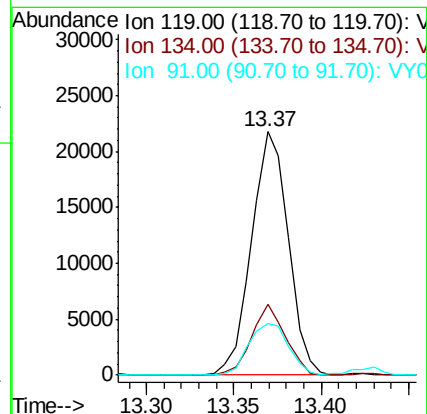
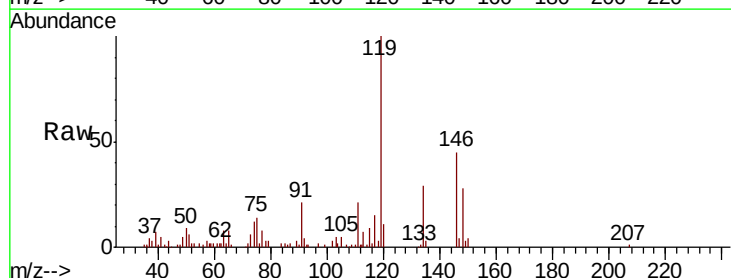
Tgt Ion:119 Resp: 31803

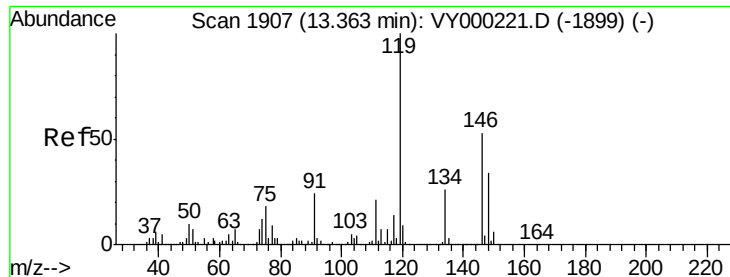
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 23.1 11.7 35.1





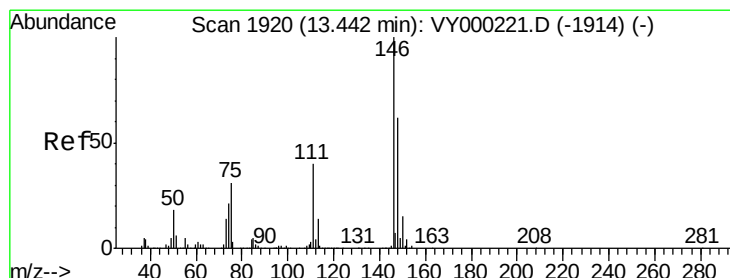
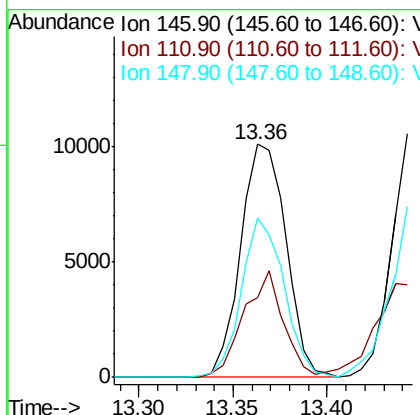
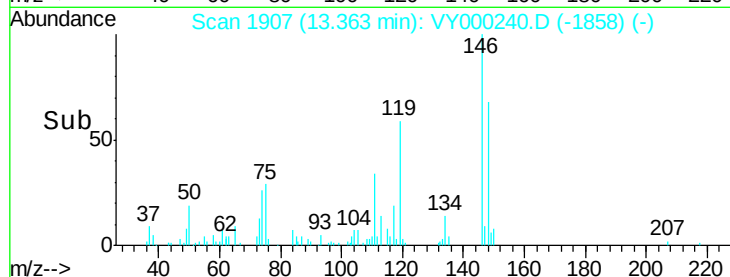
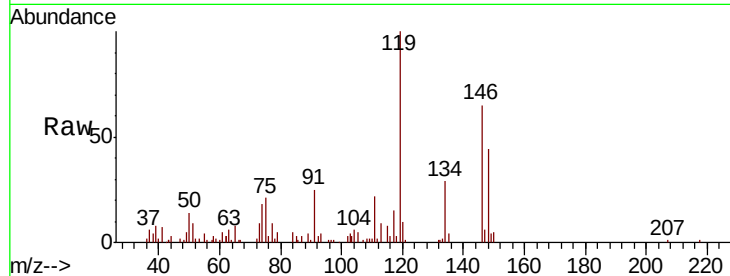
#87
 1,3-Dichlorobenzene
 Concen: 2.440 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	64.3	31.7	95.1

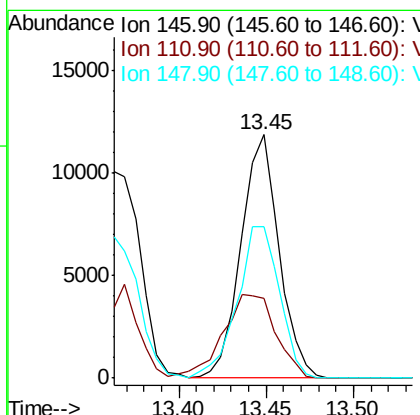
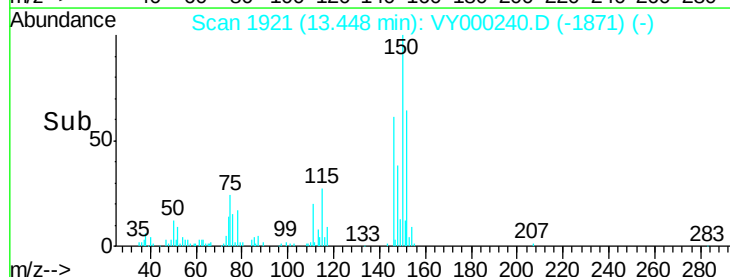
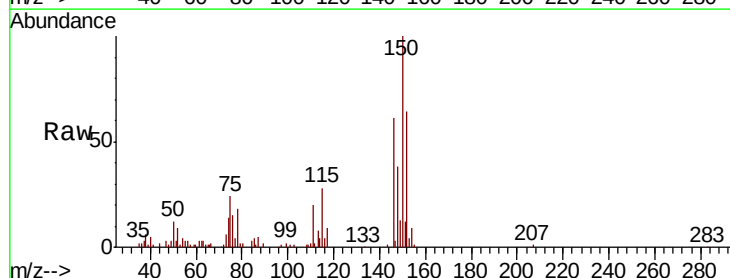
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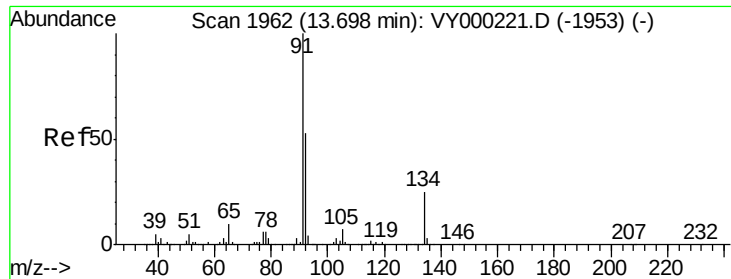
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 2.503 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.9	19.8	59.3
148	69.0	31.6	94.8





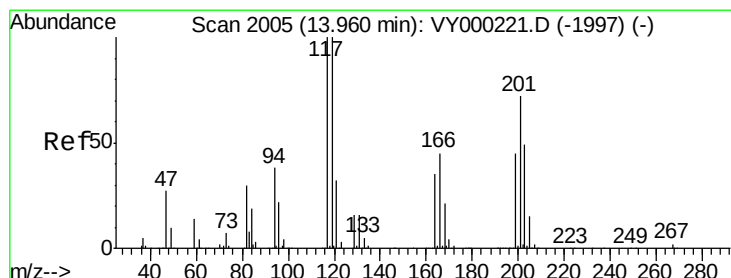
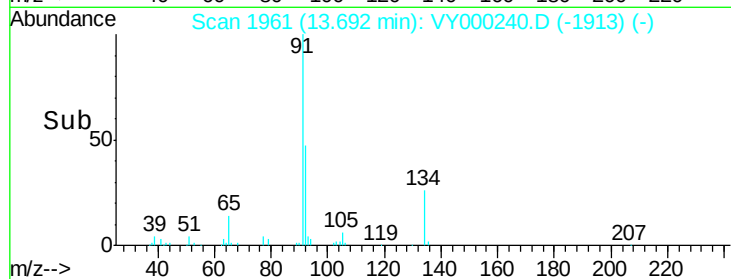
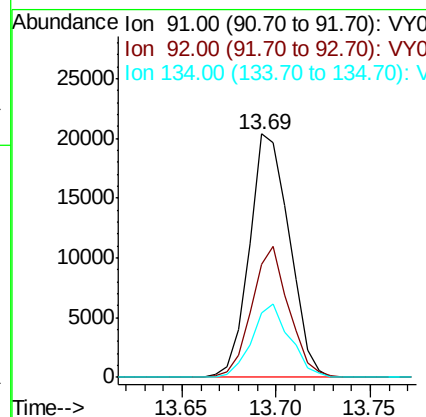
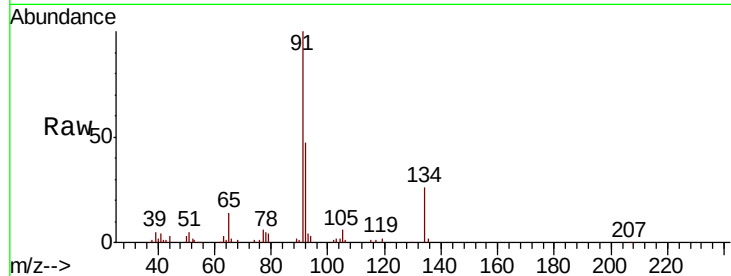
#89
n-Butylbenzene
Concen: 2.225 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	27.0	80.8
134	28.6	12.8	38.4

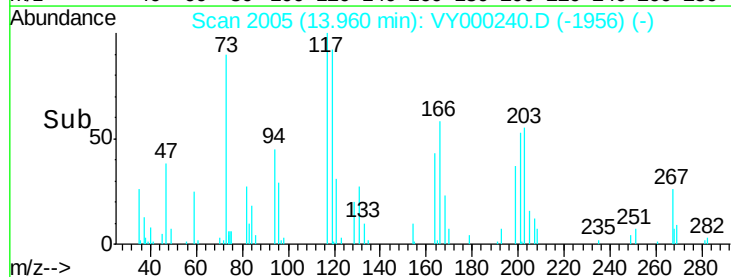
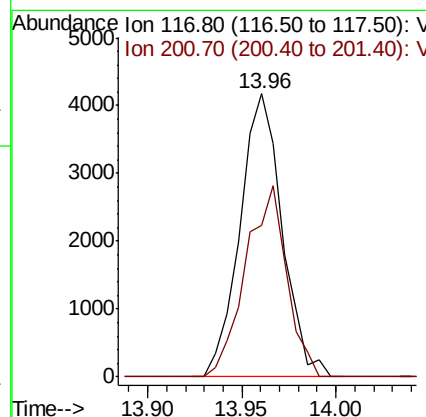
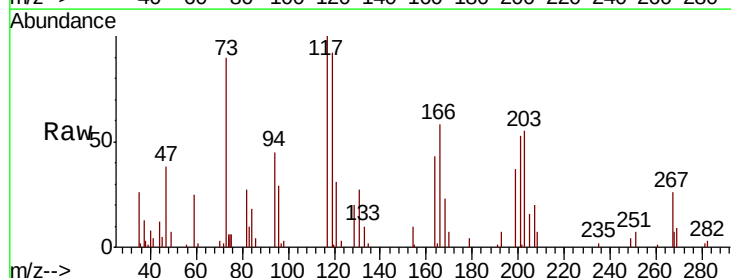
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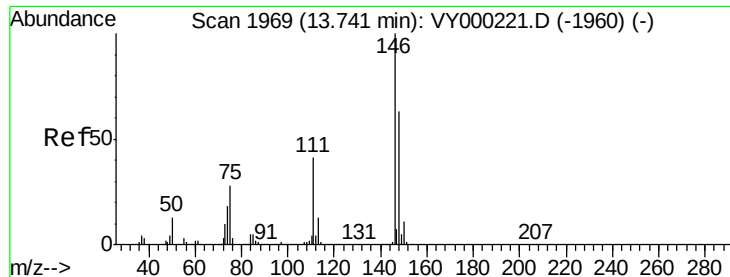
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#90
Hexachloroethane
Concen: 2.400 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	35.5	106.5





#91

1,2-Dichlorobenzene

Concen: 2.407 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Instrument :

MSVOA_Y

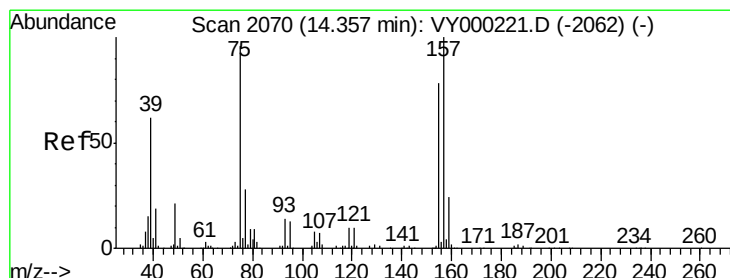
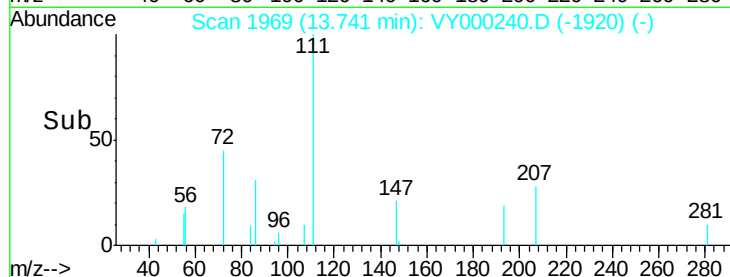
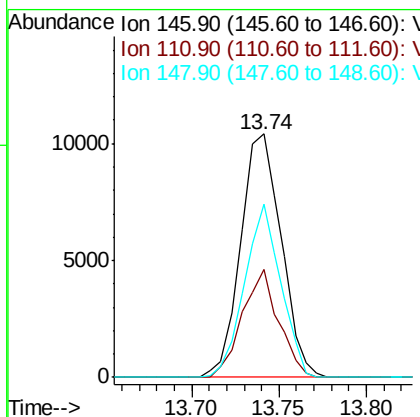
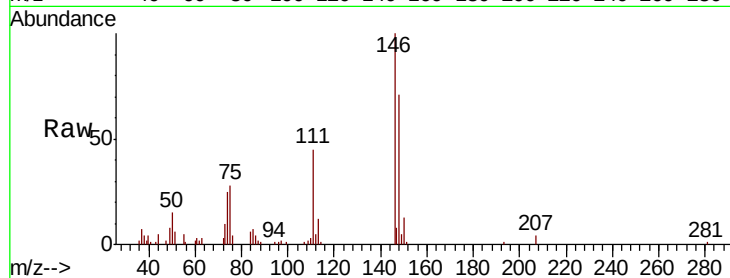
ClientSampleId :

2.5PPBMDL

Tot Ion:	146	Resp:	16809
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.9	62.8
148	63.3	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 2.330 ug/l

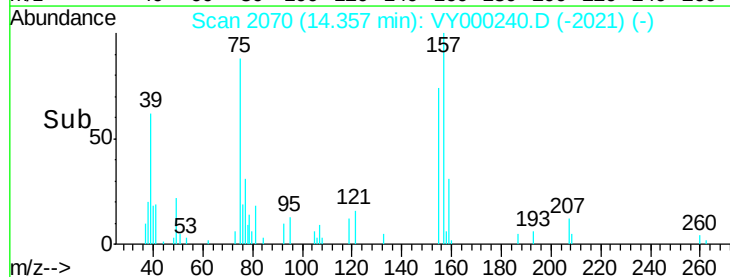
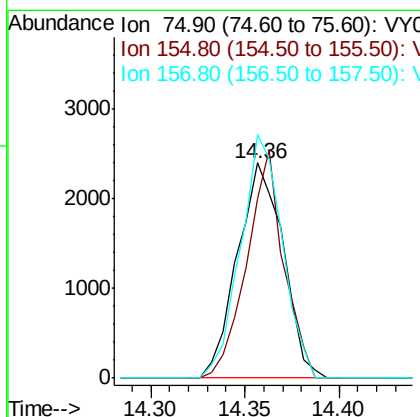
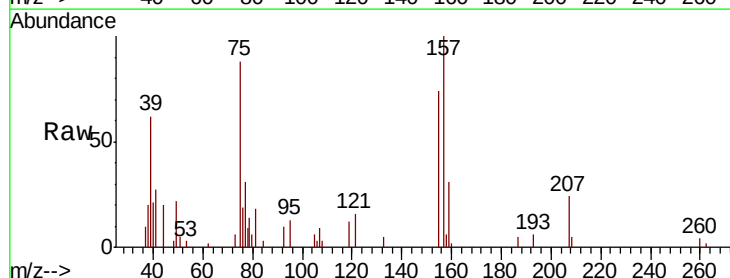
RT: 14.36 min Scan# 2070

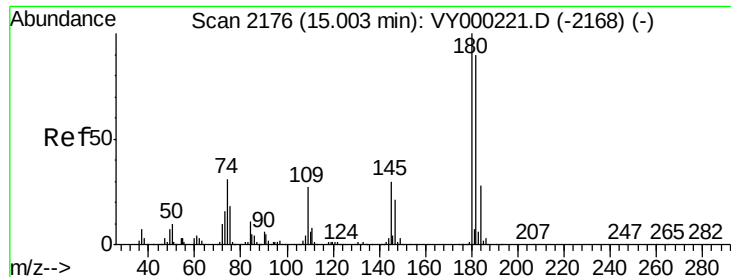
Delta R.T. 0.00 min

Lab File: VY000240.D

Acq: 09 Oct 2019 14:00

Tgt Ion:	75	Resp:	4031
Ion Ratio	Lower	Upper	
75	100		
155	84.9	42.4	127.3
157	103.3	53.8	161.5





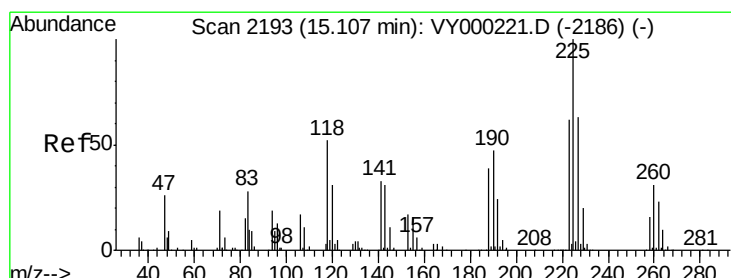
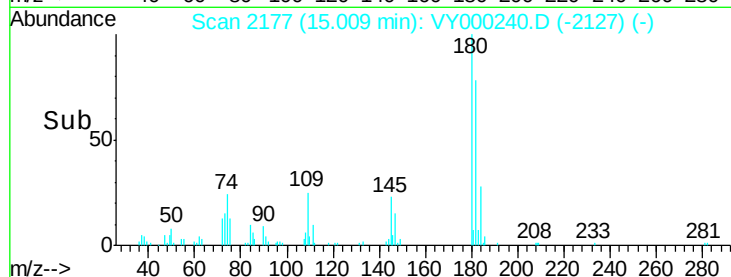
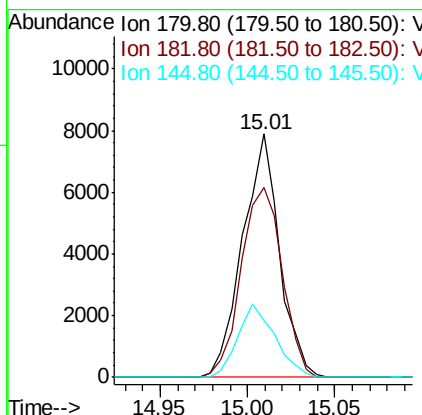
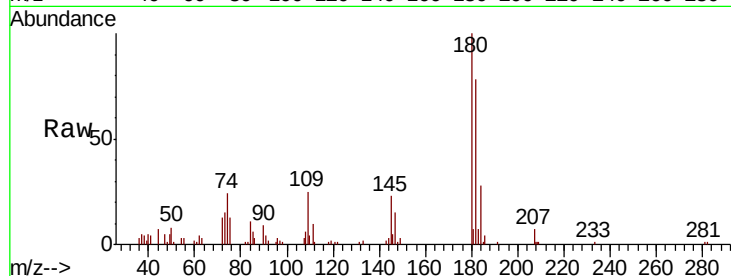
#93
 1,2,4-Trichlorobenzene
 Concen: 2.432 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.0	47.2	141.6
145	30.6	15.3	45.8

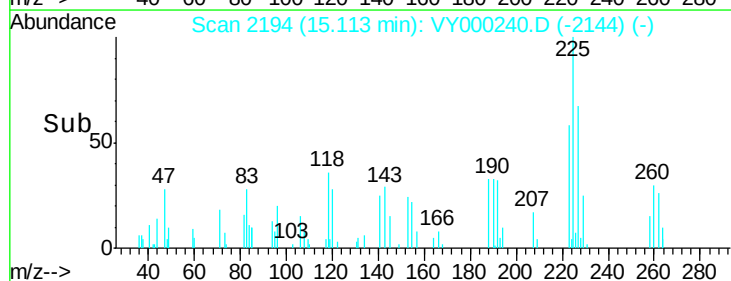
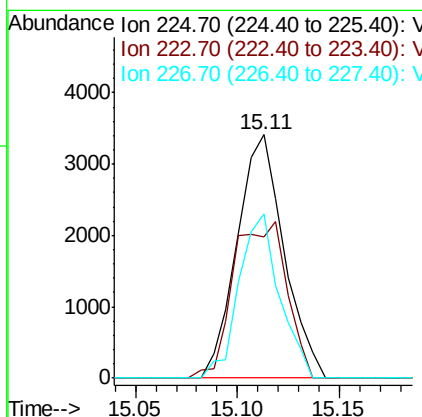
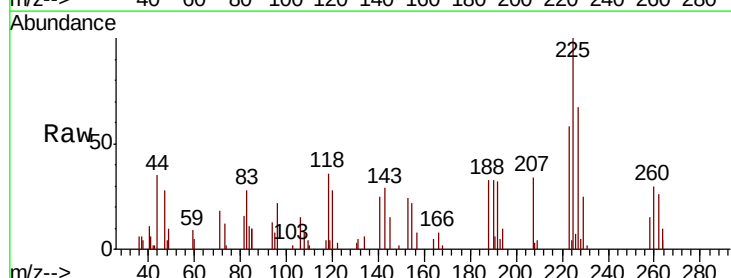
Manual Integrations
 APPROVED

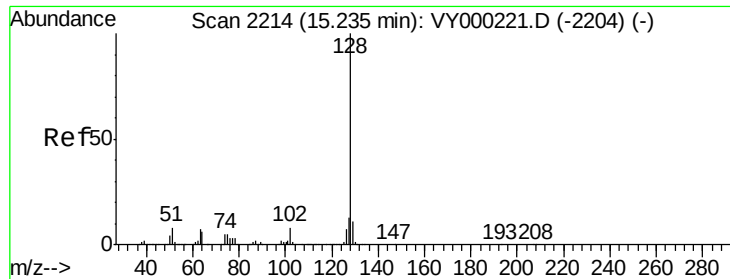
MMDadoda
 10/11/2019 8:40:38 AM



#94
 Hexachlorobutadiene
 Concen: 2.409 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000240.D
 Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	72.8	31.9	95.5
227	58.1	31.5	94.5





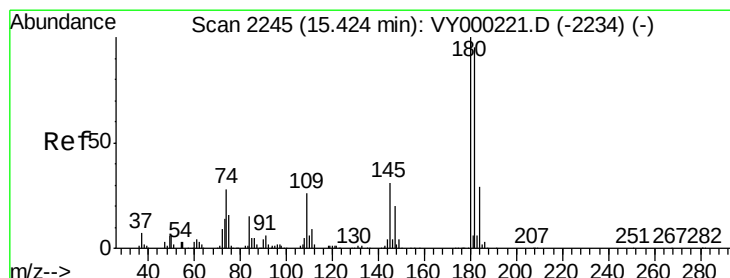
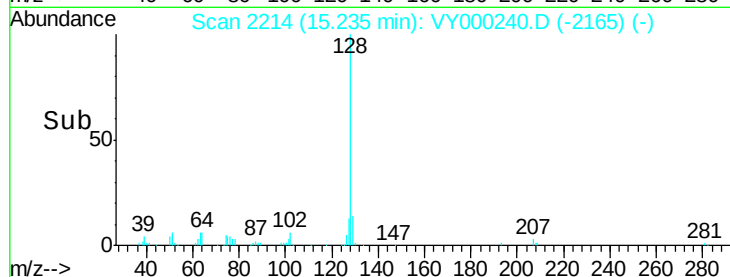
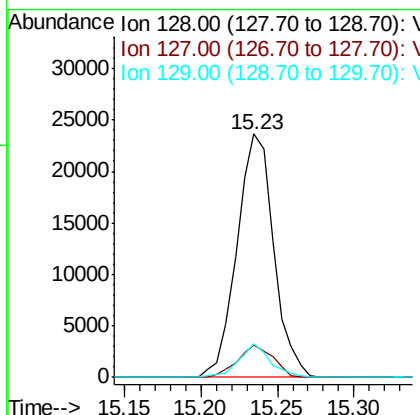
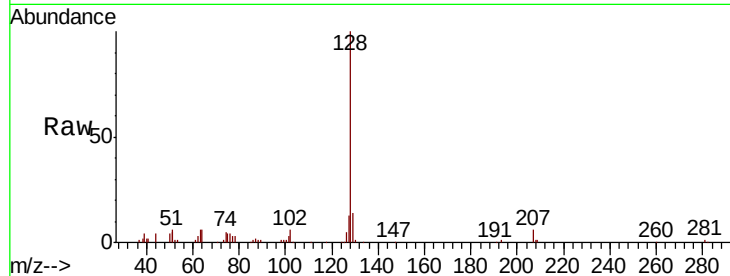
#95
Naphthalene
Concen: 2.206 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	12.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 2.428 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000240.D
Acq: 09 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.4	47.9	143.7
145	31.4	16.3	48.9

