

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100819\
 Data File : VY000230.D
 Acq On : 08 Oct 2019 19:59
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 12:52:30 AM

Quant Time: Oct 09 09:23:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 09:14:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	259934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	427212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	372814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	170118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	161125	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	7.73	113	129052	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.19	98	471093	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
62) 4-Bromofluorobenzene	12.48	95	163316	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	4733	1.824	ug/l 99
3) Chloromethane	2.12	50	7492	2.120	ug/l 90
4) Vinyl Chloride	2.25	62	7266	1.991	ug/l 90
5) Bromomethane	2.63	94	7011	3.046	ug/l 89
6) Chloroethane	2.79	64	5076	2.203	ug/l # 84
7) Trichlorofluoromethane	3.12	101	9401	1.994	ug/l 91
8) Diethyl Ether	3.54	74	4573	2.121	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	5598	2.034	ug/l 97
10) Methyl Iodide	4.10	142	4056	0.999	ug/l 99
11) Tert butyl alcohol	4.97	59	27633	15.214	ug/l # 93
12) 1,1-Dichloroethene	3.88	96	5753	2.013	ug/l # 78
13) Acrolein	3.74	56	12754	13.378	ug/l 97
14) Allyl chloride	4.49	41	9082	1.886	ug/l 94
15) Acrylonitrile	5.18	53	33928	10.582	ug/l 98
16) Acetone	3.95	43	31073	11.735	ug/l 95
17) Carbon Disulfide	4.19	76	16093	1.911	ug/l # 94
18) Methyl Acetate	4.48	43	16694	2.301	ug/l 98
19) Methyl tert-butyl Ether	5.24	73	22047	2.109	ug/l 92
20) Methylene Chloride	4.72	84	8746	2.514	ug/l 90
21) trans-1,2-Dichloroethene	5.22	96	6612	2.057	ug/l 97
22) Diisopropyl ether	6.13	45	23470	2.104	ug/l # 87
23) Vinyl Acetate	6.07	43	97670	9.666	ug/l 98
24) 1,1-Dichloroethane	6.02	63	12328	2.166	ug/l 94
25) 2-Butanone	7.00	43	51883	10.592	ug/l 100
26) 2,2-Dichloropropane	6.99	77	10281	2.001	ug/l 97
27) cis-1,2-Dichloroethene	6.99	96	8391	2.216	ug/l 94
28) Bromochloromethane	7.35	49	4396	2.347	ug/l # 84
29) Tetrahydrofuran	7.36	42	33744	9.754	ug/l 96
30) Chloroform	7.52	83	12645	2.141	ug/l 86
31) Cyclohexane	7.80	56	14593	2.539	ug/l # 48
32) 1,1,1-Trichloroethane	7.71	97	10084	2.008	ug/l 97
36) 1,1-Dichloropropene	7.93	75	8695	2.000	ug/l 97
37) Ethyl Acetate	7.09	43	16429	2.091	ug/l 96
38) Carbon Tetrachloride	7.91	117	8996	2.123	ug/l 91

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

39) Methylcyclohexane	9.19	83	10588	1.942	ug/l #	81
40) Benzene	8.17	78	26172	1.985	ug/l	96
41) Methacrylonitrile	7.35	41	16632m	2.689	ug/l	
42) 1,2-Dichloroethane	8.25	62	10075	2.352	ug/l	97
43) Isopropyl Acetate	8.28	43	21801	2.155	ug/l	97
44) Trichloroethene	8.95	130	7896	2.208	ug/l	94
45) 1,2-Dichloropropane	9.22	63	6626	2.006	ug/l	91
46) Dibromomethane	9.32	93	5146	2.222	ug/l	97
47) Bromodichloromethane	9.50	83	9904	2.187	ug/l #	95
48) Methyl methacrylate	9.30	41	9295	2.036	ug/l	91
49) 1,4-Dioxane	9.31	88	5609	47.859	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	81384	10.706	ug/l	99
52) Toluene	10.25	92	16824	1.989	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	10497	2.043	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	11244	2.022	ug/l	91
55) 1,1,2-Trichloroethane	10.65	97	7051	2.114	ug/l #	90
56) Ethyl methacrylate	10.51	69	11601	1.976	ug/l #	93
57) 1,3-Dichloropropane	10.79	76	12333	2.166	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.79	63	29253	11.178	ug/l	98
59) 2-Hexanone	10.84	43	66727	10.357	ug/l	97
60) Dibromochloromethane	10.99	129	7529	2.135	ug/l	95
61) 1,2-Dibromoethane	11.10	107	7501	2.118	ug/l	99
64) Tetrachloroethene	10.72	164	7665	2.249	ug/l	88
65) Chlorobenzene	11.52	112	18464	2.137	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	6185	2.003	ug/l	97
67) Ethyl Benzene	11.60	91	30839	1.997	ug/l	92
68) m/p-Xylenes	11.70	106	23258	3.947	ug/l	99
69) o-Xylene	12.03	106	12176	2.145	ug/l	97
70) Styrene	12.05	104	18111	1.852	ug/l	99
71) Bromoform	12.21	173	4700	1.844	ug/l #	99
73) Isopropylbenzene	12.33	105	29522	2.048	ug/l	97
74) N-amyl acetate	12.14	43	11846	1.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	10651	2.165	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	11274m	2.510	ug/l	
77) Bromobenzene	12.61	156	7870	2.328	ug/l	91
78) n-propylbenzene	12.67	91	32405	1.925	ug/l	97
79) 2-Chlorotoluene	12.75	91	19075	1.968	ug/l	91
80) 1,3,5-Trimethylbenzene	12.81	105	24764	2.059	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	3757	1.726	ug/l	90
82) 4-Chlorotoluene	12.85	91	19806	2.017	ug/l	95
83) tert-Butylbenzene	13.08	119	21109	2.019	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	24140	2.009	ug/l	98
85) sec-Butylbenzene	13.25	105	28146	1.953	ug/l	96
86) p-Isopropyltoluene	13.37	119	24781	1.956	ug/l	96
87) 1,3-Dichlorobenzene	13.37	146	13575	2.216	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	12858	2.015	ug/l	75
89) n-Butylbenzene	13.70	91	21052	1.763	ug/l	96
90) Hexachloroethane	13.96	117	4436	1.851	ug/l	91
91) 1,2-Dichlorobenzene	13.73	146	13170	2.124	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3337	2.172	ug/l	96

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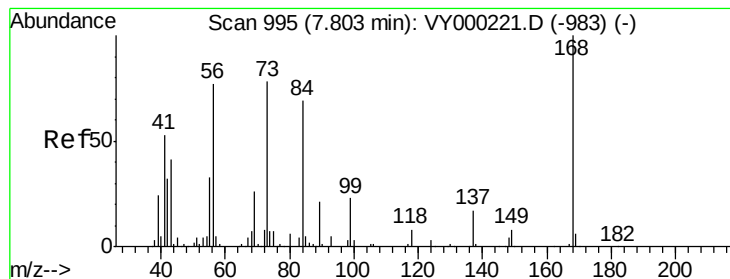
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	8854	2.103	ug/l	97
94) Hexachlorobutadiene	15.11	225	4048	2.012	ug/l	92
95) Naphthalene	15.23	128	32737	2.067	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	8565	2.115	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: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:168 Resp: 259934

Ion Ratio Lower Upper

168 100

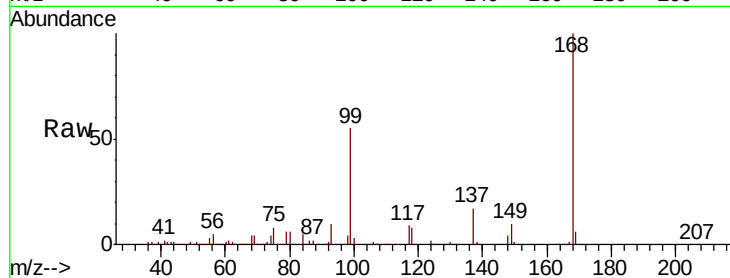
99 55.3 45.0 67.6

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

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

7.80

120000

100000

80000

60000

40000

20000

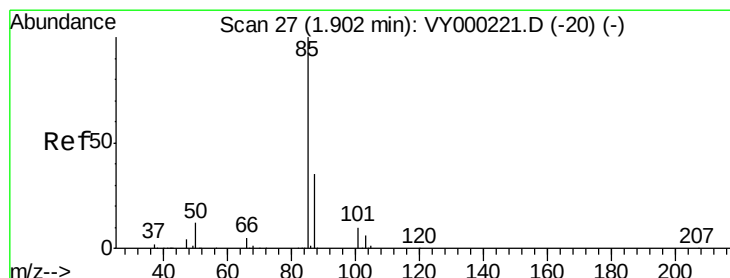
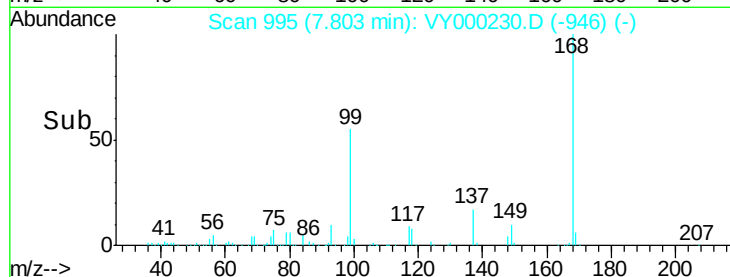
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 1.824 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000230.D

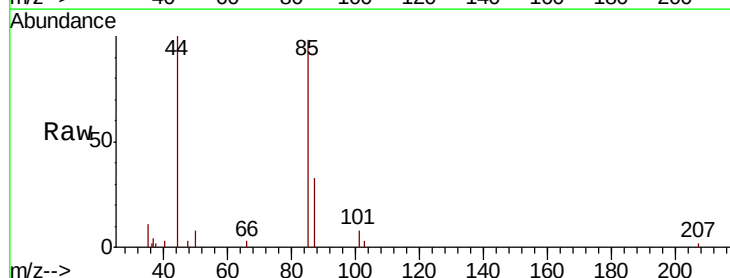
Acq: 08 Oct 2019 19:59

Tgt Ion: 85 Resp: 4733

Ion Ratio Lower Upper

85 100

87 33.9 17.4 52.2



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

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

1.90

3000

2000

1000

0

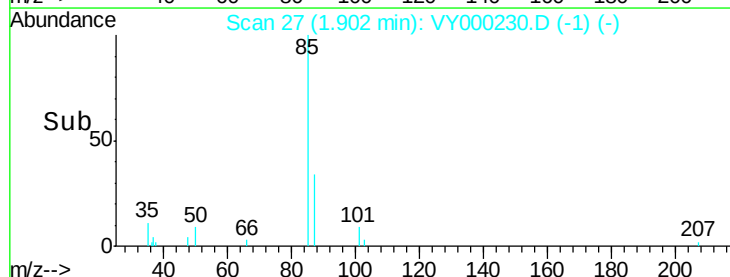
1.85

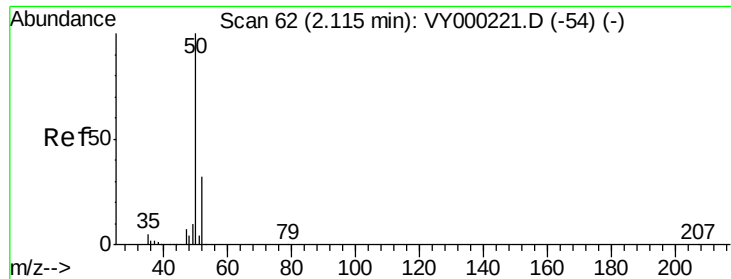
1.90

1.95

2.00

Time-->





#3

Chloromethane

Concen: 2.120 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 50 Resp: 7492

Ion Ratio Lower Upper

50 100

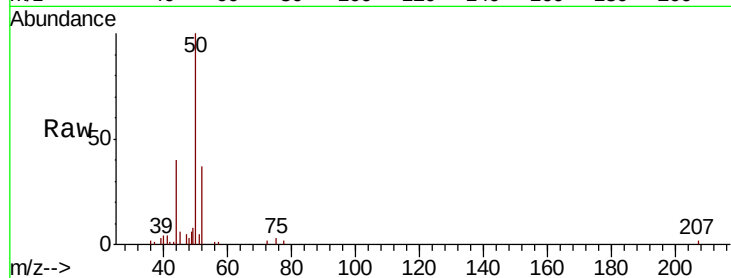
52 37.1 25.4 38.0

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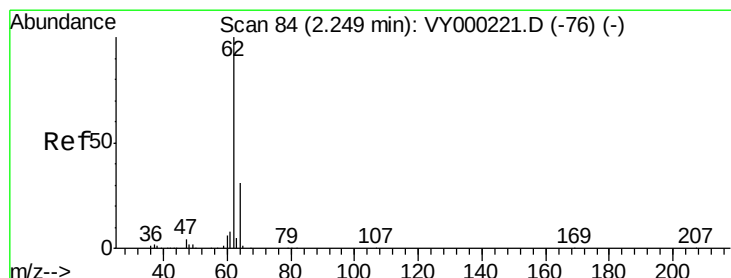
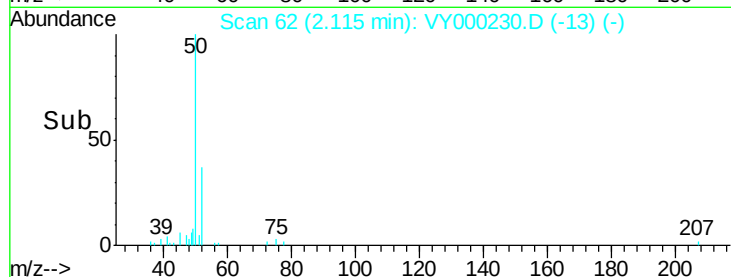
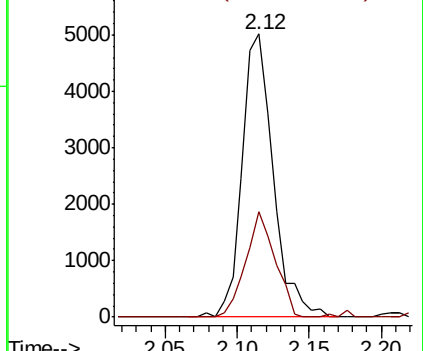
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 1.991 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000230.D

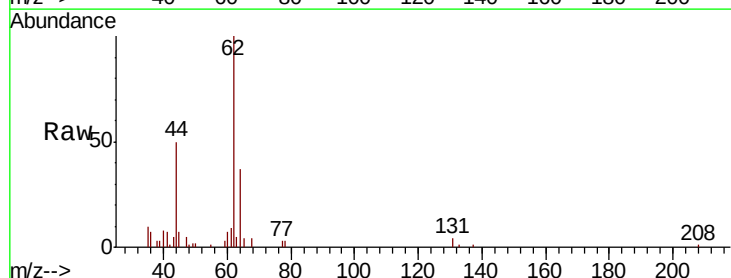
Acq: 08 Oct 2019 19:59

Tgt Ion: 62 Resp: 7266

Ion Ratio Lower Upper

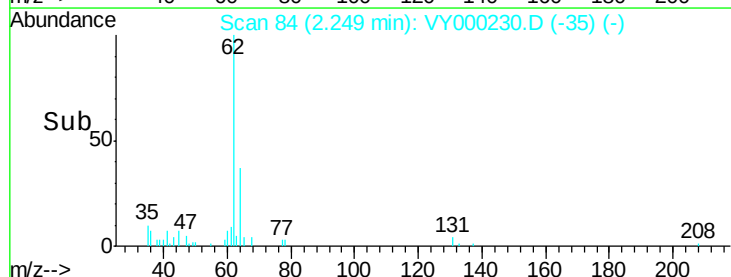
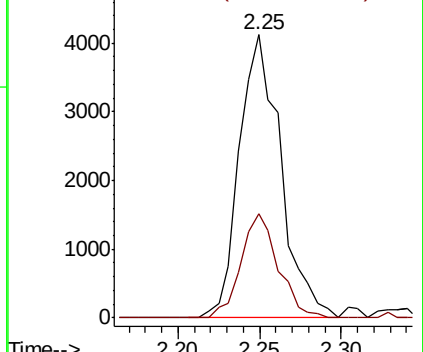
62 100

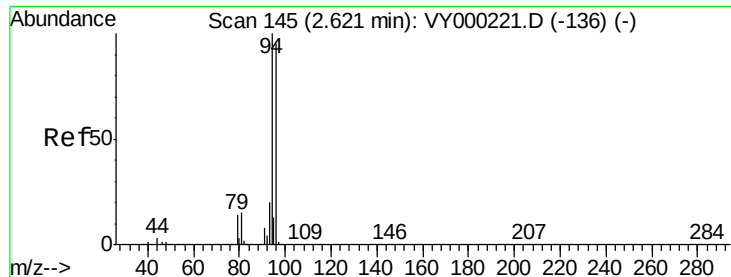
64 36.6 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 3.046 ug/l

RT: 2.63 min Scan# 147

Delta R.T. 0.01 min

Lab File: VY000230.D

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ClientSampleId :

2.5PPBMDL

Tot Ion: 94 Resp: 7011

Ion Ratio Lower Upper

94 100

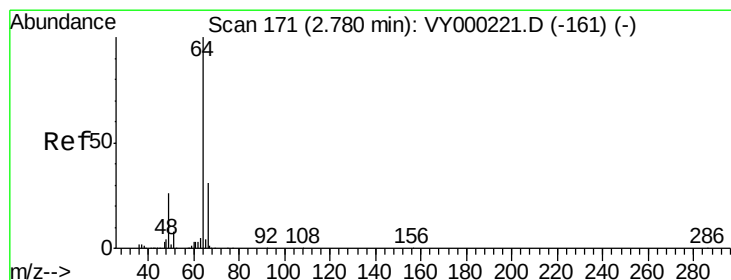
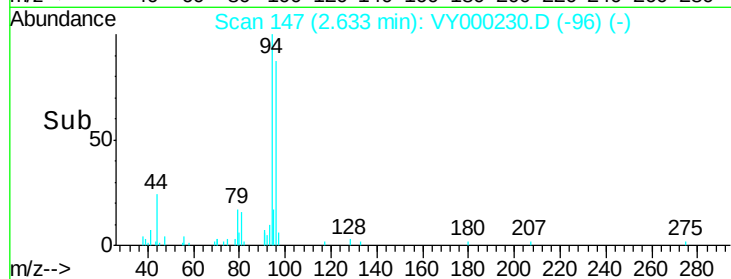
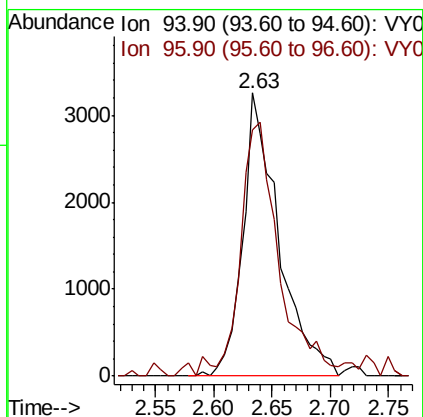
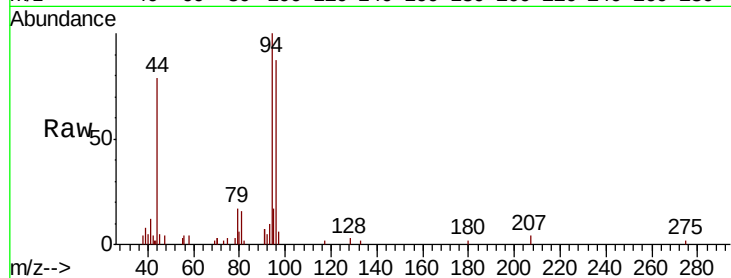
96 83.7 75.7 113.5

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#6

Chloroethane

Concen: 2.203 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.01 min

Lab File: VY000230.D

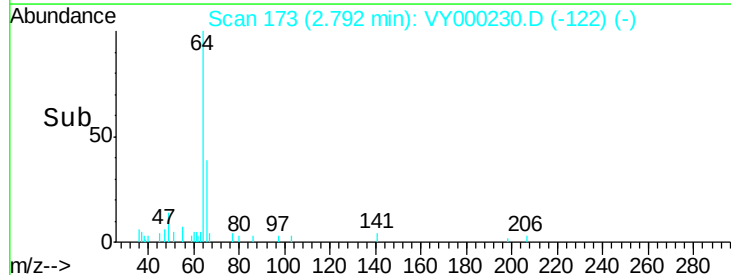
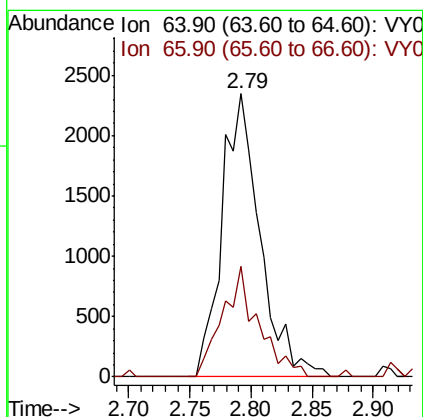
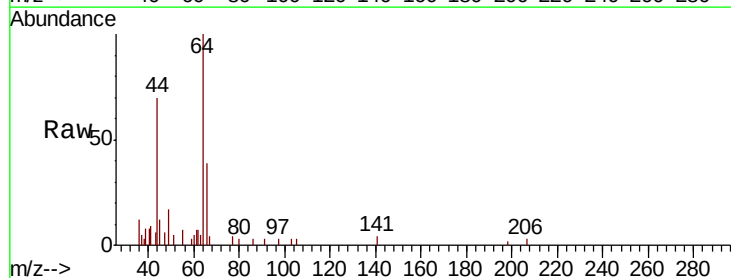
Acq: 08 Oct 2019 19:59

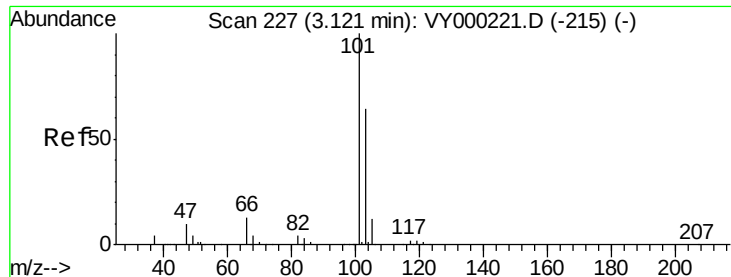
Tgt Ion: 64 Resp: 5076

Ion Ratio Lower Upper

64 100

66 39.3 24.5 36.7#





#7

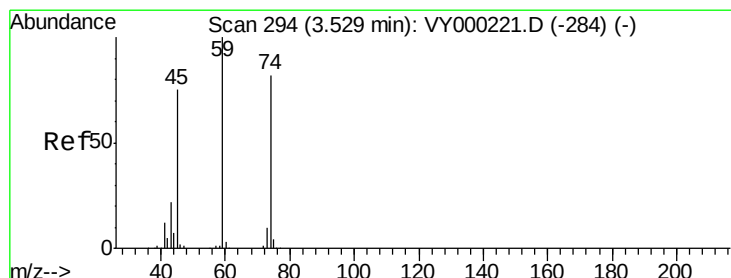
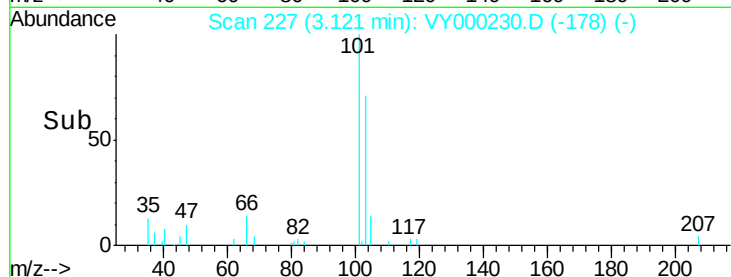
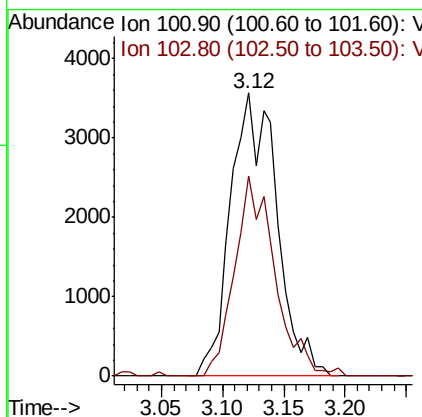
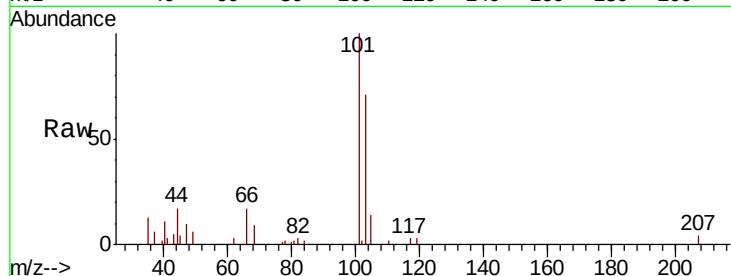
Trichlorofluoromethane
Concen: 1.994 ug/l
RT: 3.12 min Scan# 227
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.8	51.0	76.6

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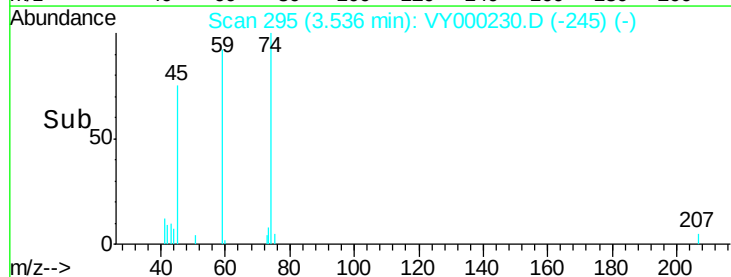
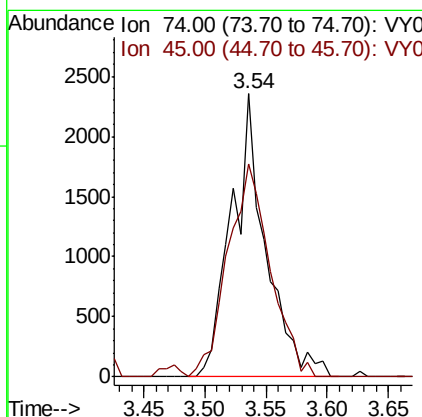
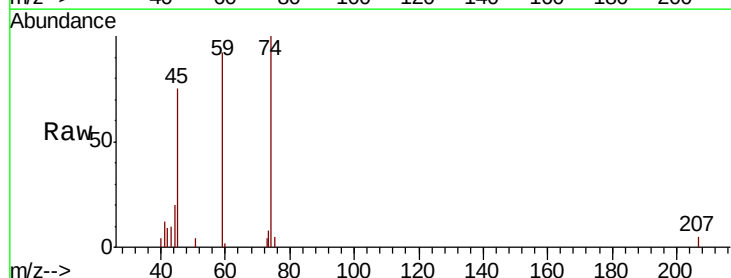
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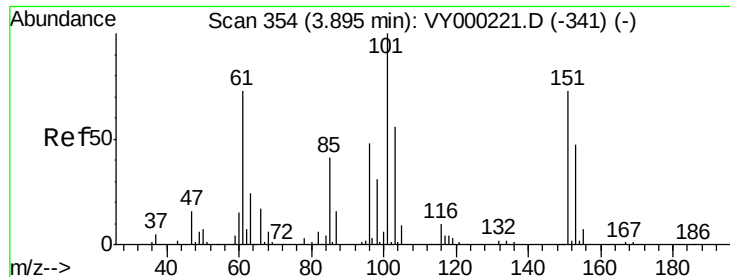


#8

Diethyl Ether
Concen: 2.121 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	45.8	137.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.034 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.01 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

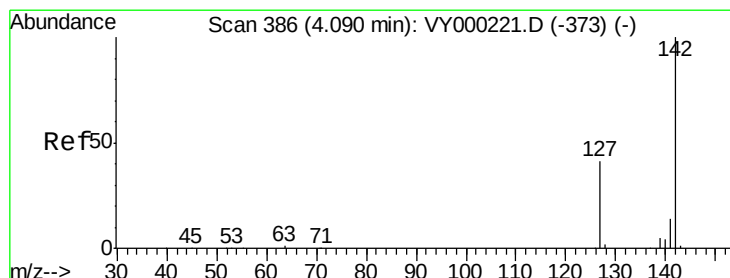
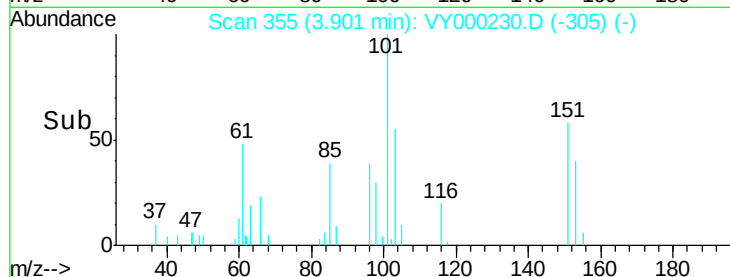
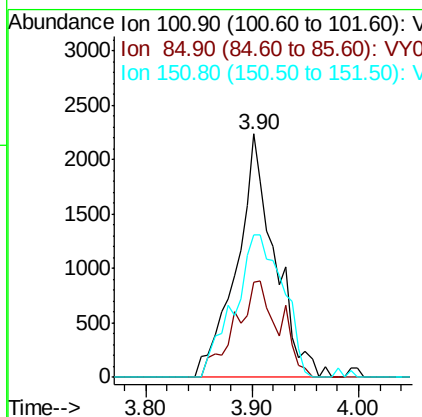
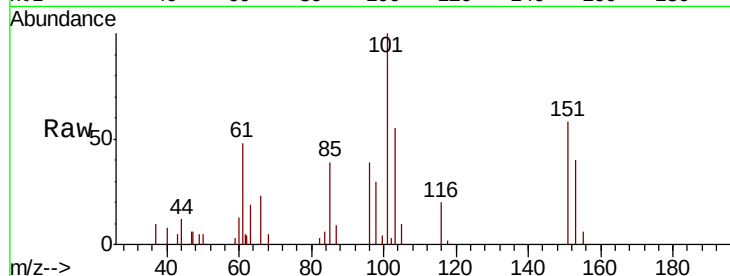
ClientSampleId :

2.5PPBMDL

Tot Ion:	101	Resp:	5598
Ion Ratio	Lower	Upper	
101	100		
85	45.8	37.0	55.6
151	75.4	63.0	94.4

Manual Integrations
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#10

Methyl Iodide

Concen: 0.999 ug/l

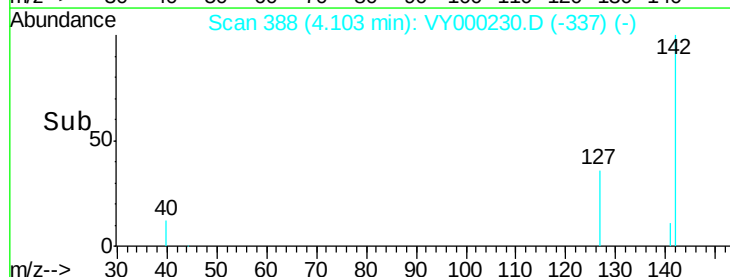
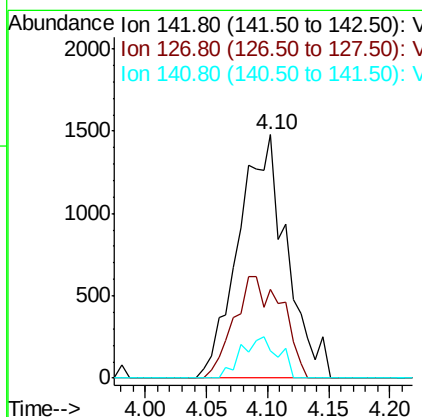
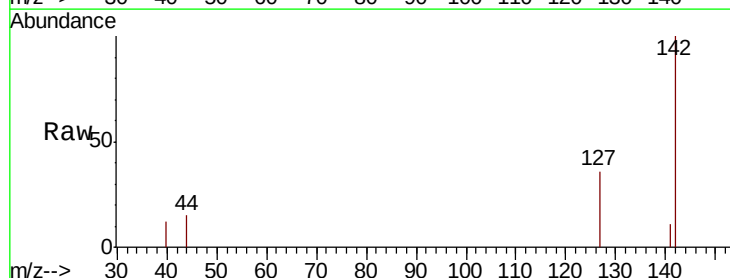
RT: 4.10 min Scan# 388

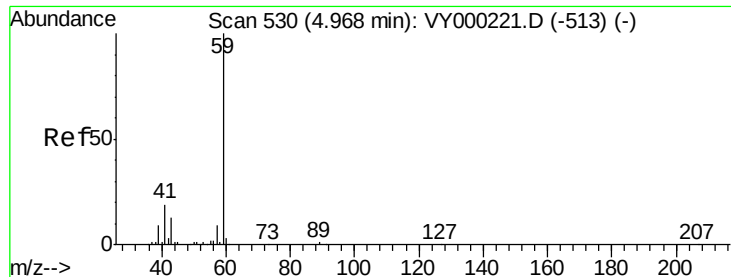
Delta R.T. 0.01 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Tgt Ion:	142	Resp:	4056
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.0	49.6
141	12.9	11.0	16.4





#11

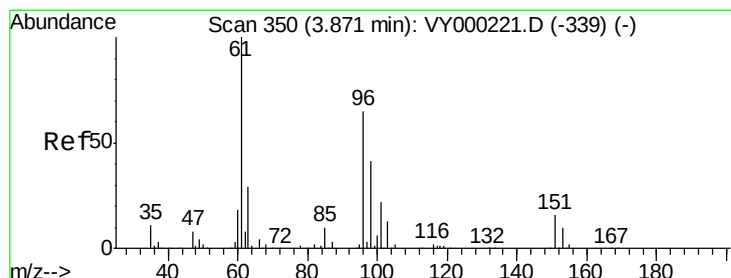
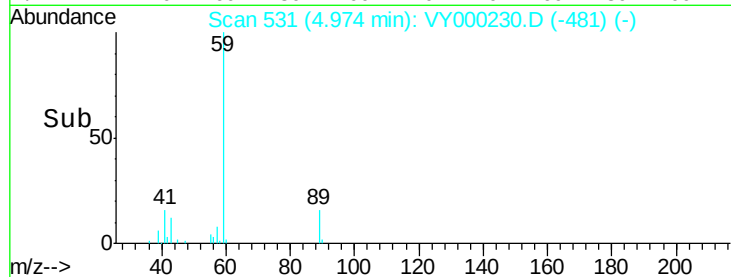
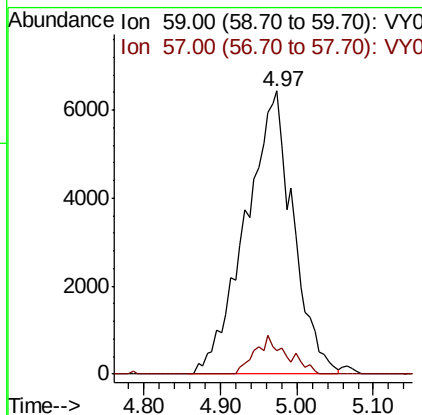
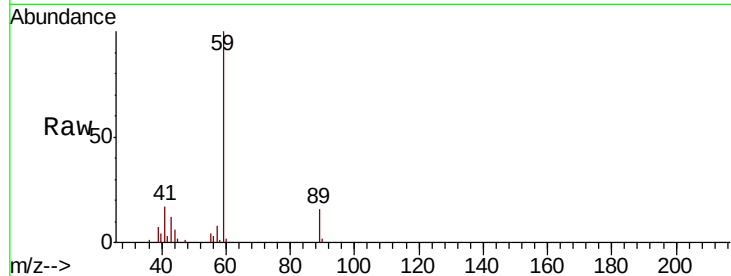
Tert butyl alcohol
Concen: 15.214 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.5	8.0	12.0#

Manual Integrations
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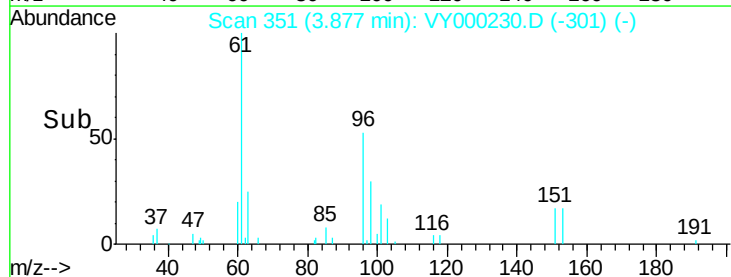
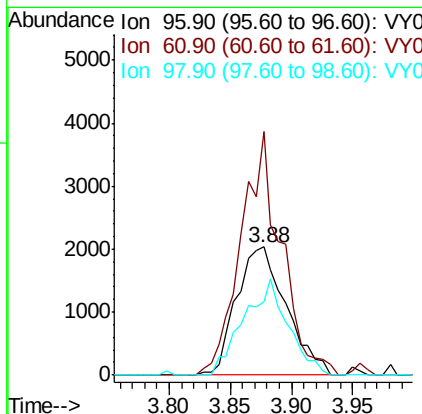
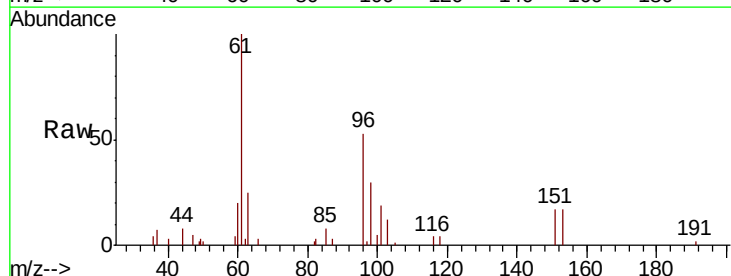
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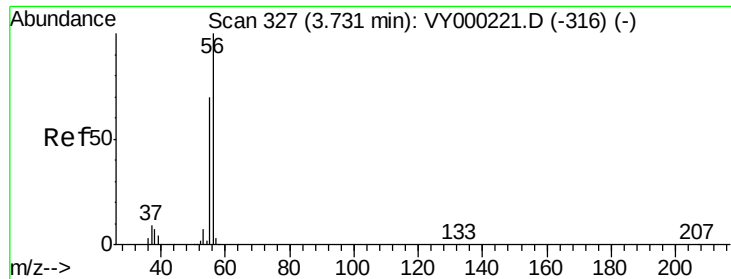


#12

1,1-Dichloroethene
Concen: 2.013 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.8	123.8	185.8#
98	56.9	50.9	76.3





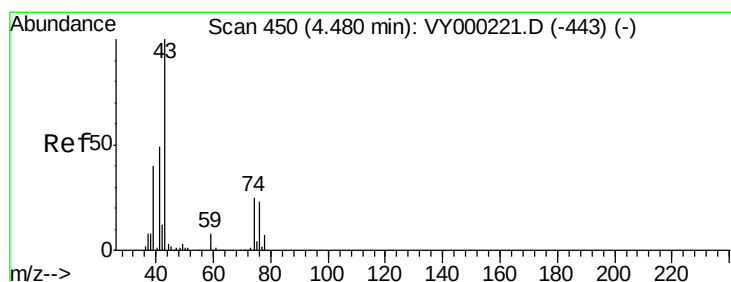
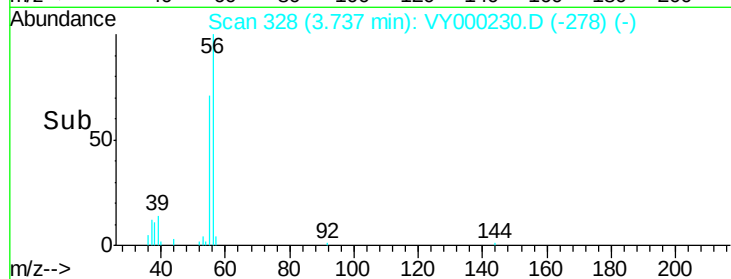
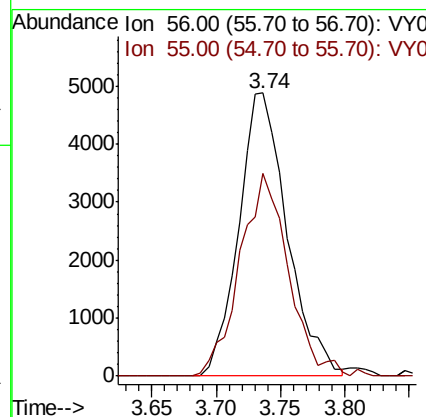
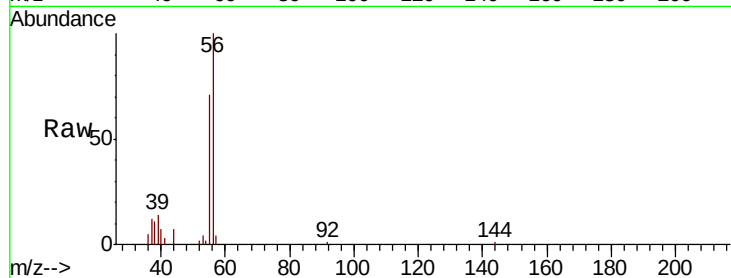
#13
Acrolein
Concen: 13.378 ug/l
RT: 3.74 min Scan# 328
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	55.2	82.8

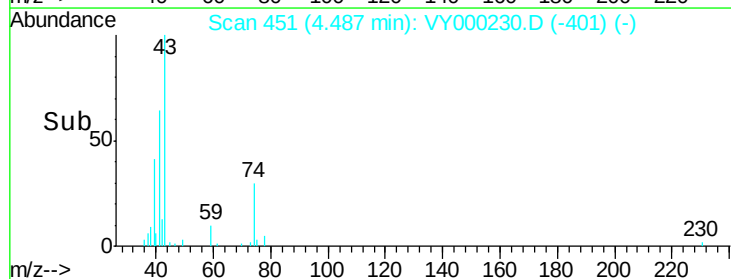
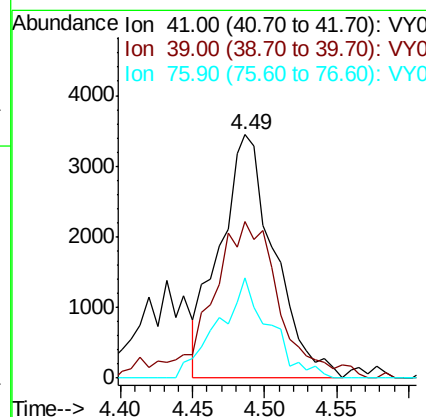
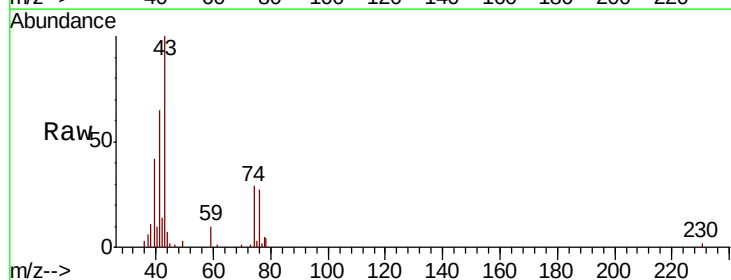
Manual Integrations
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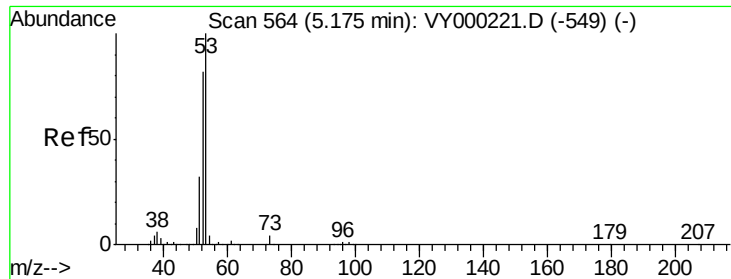
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#14
Allyl chloride
Concen: 1.886 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.4	56.4	84.6
76	38.9	30.8	46.2





#15

Acrylonitrile

Concen: 10.582 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

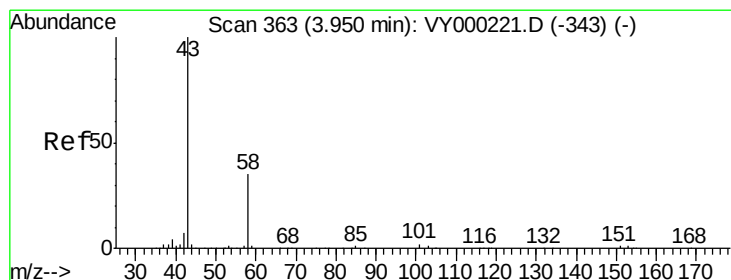
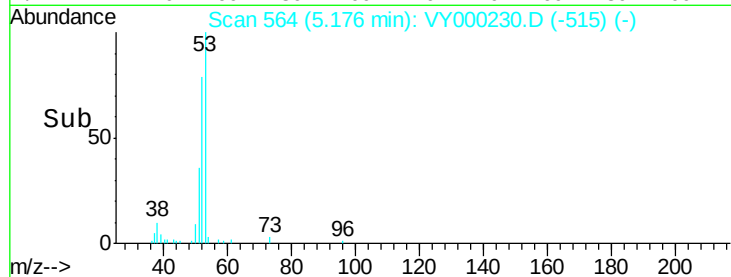
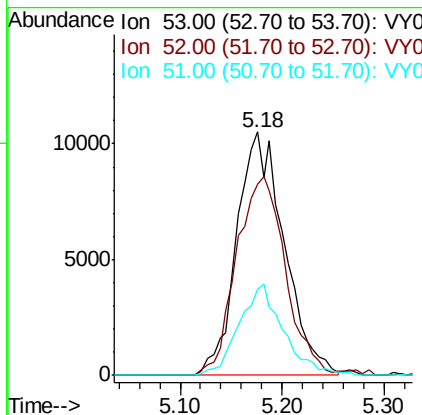
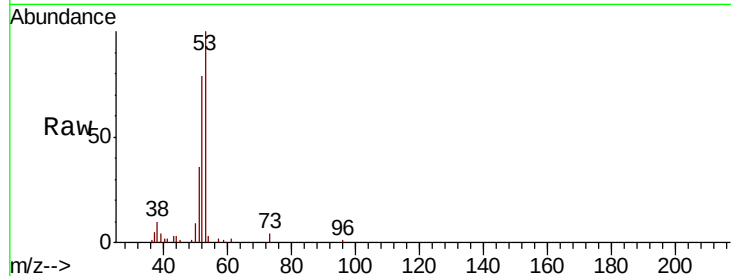
ClientSampleId :

2.5PPBMDL

Tot Ion:	53	Resp:	33928
Ion	Ratio	Lower	Upper
53	100		
52	84.1	65.4	98.2
51	34.9	27.2	40.8

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#16

Acetone

Concen: 11.735 ug/l

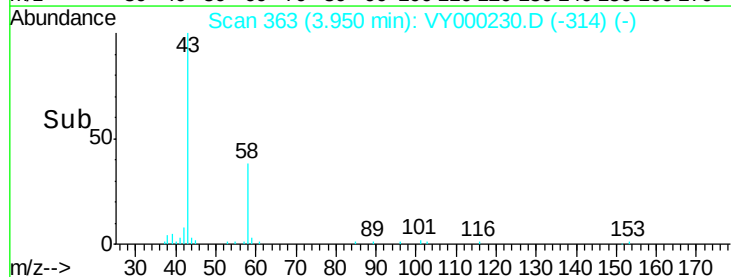
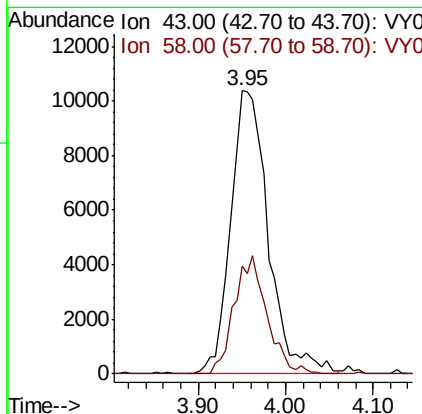
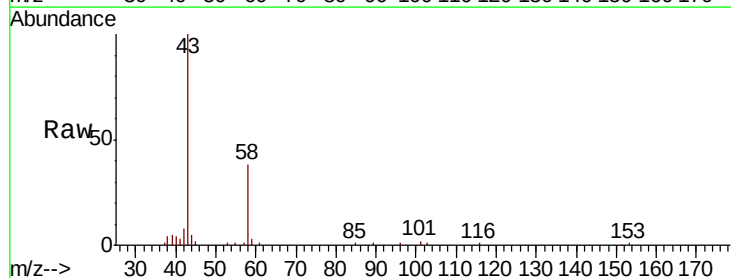
RT: 3.95 min Scan# 363

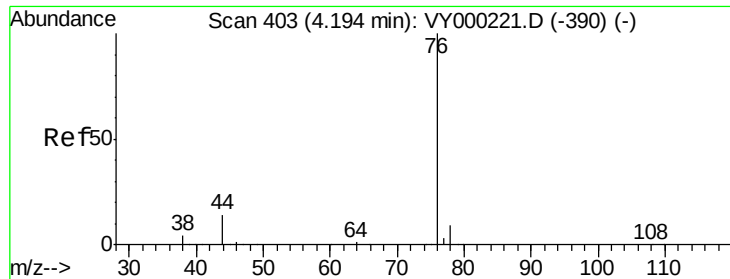
Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Tgt Ion:	43	Resp:	31073
Ion	Ratio	Lower	Upper
43	100		
58	38.3	28.2	42.4





#17

Carbon Disulfide

Concen: 1.911 ug/l

RT: 4.19 min Scan# 402

Delta R.T. -0.01 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 76 Resp: 16093

Ion Ratio Lower Upper

76 100

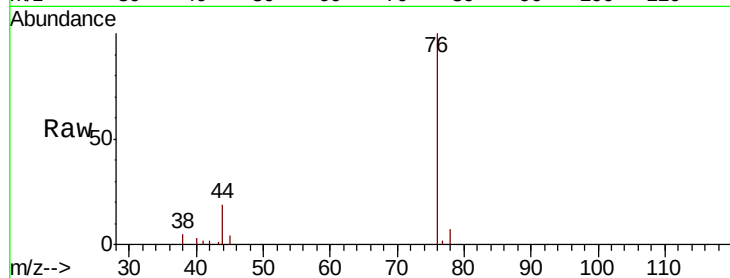
78 6.7 7.0 10.6#

Manual Integrations

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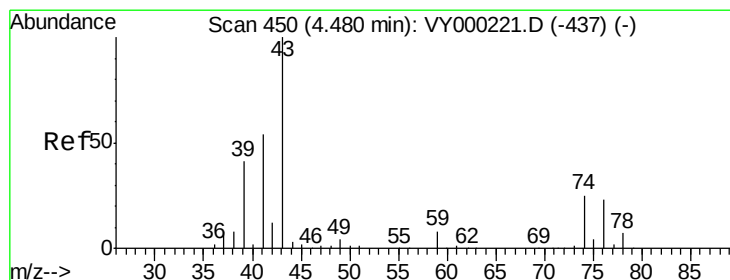
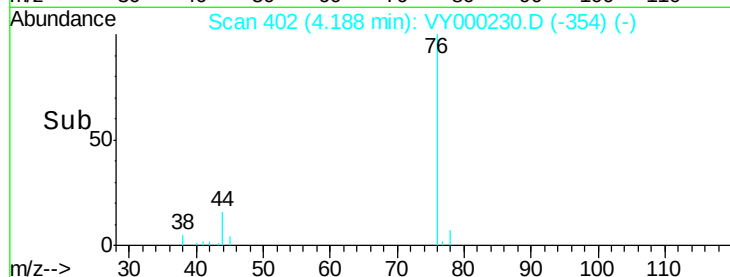
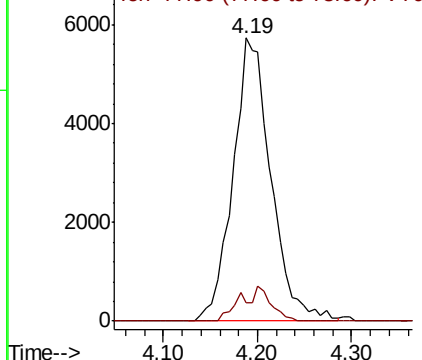
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 2.301 ug/l

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY000230.D

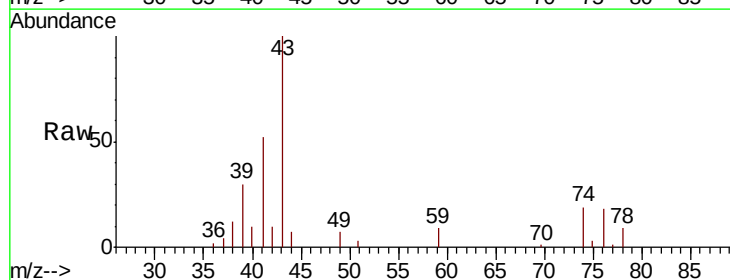
Acq: 08 Oct 2019 19:59

Tgt Ion: 43 Resp: 16694

Ion Ratio Lower Upper

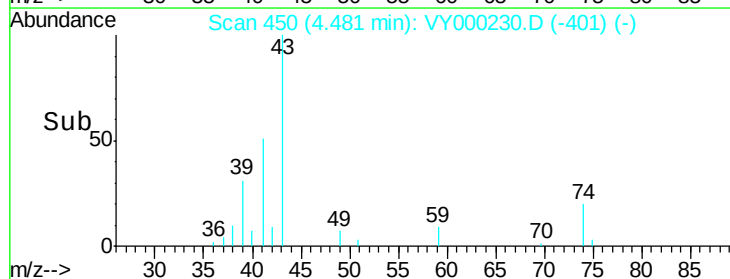
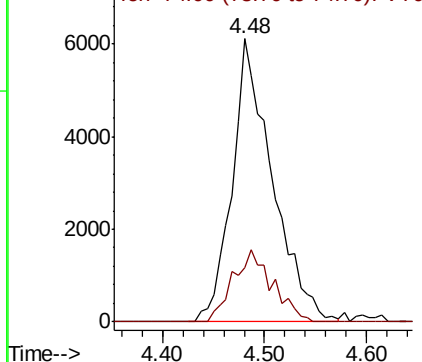
43 100

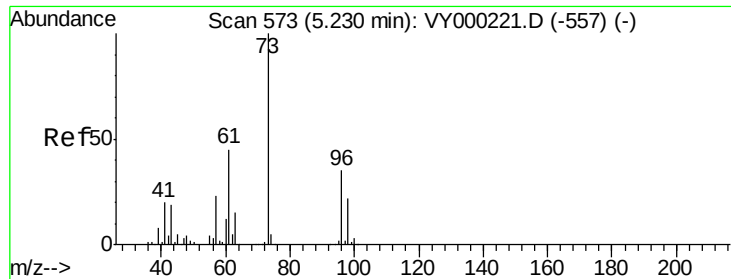
74 24.9 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





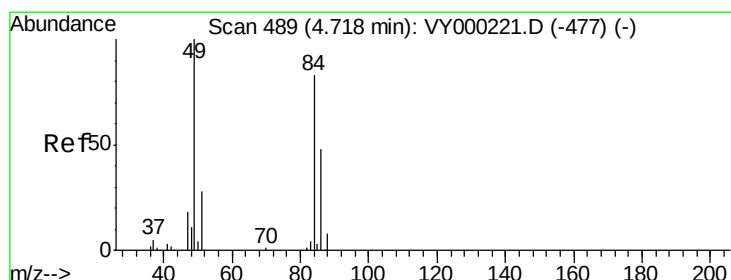
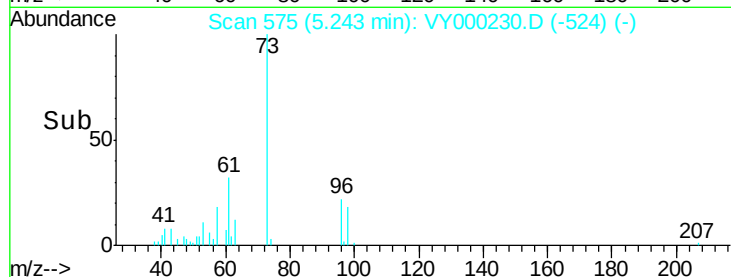
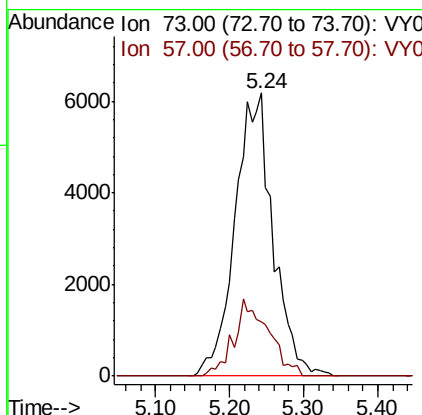
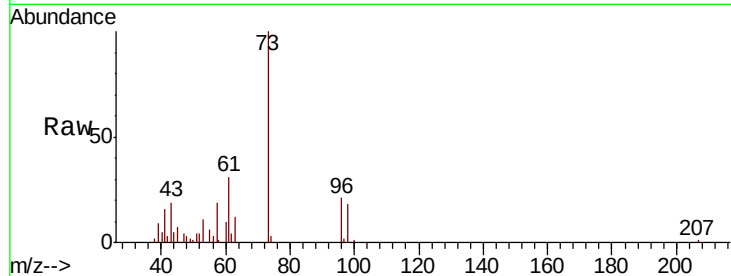
#19
Methyl tert-butyl Ether
Concen: 2.109 ug/l
RT: 5.24 min Scan# 575
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion: 73 Resp: 22047
Ion Ratio Lower Upper
73 100
57 19.2 18.4 27.6

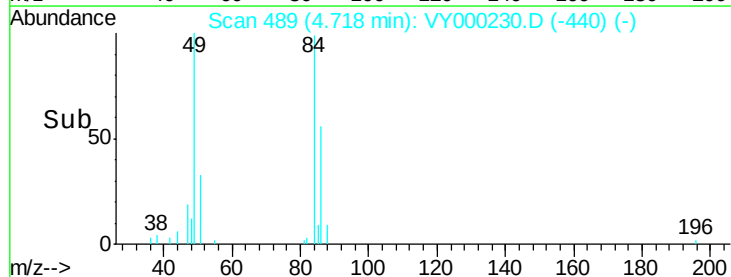
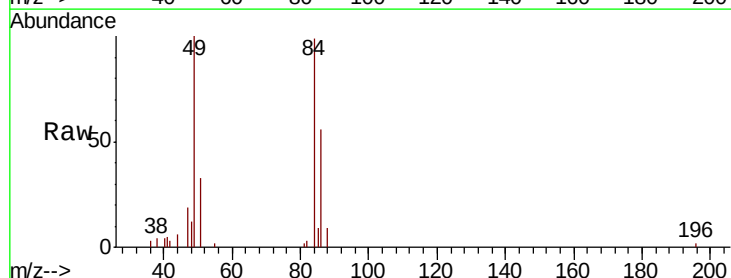
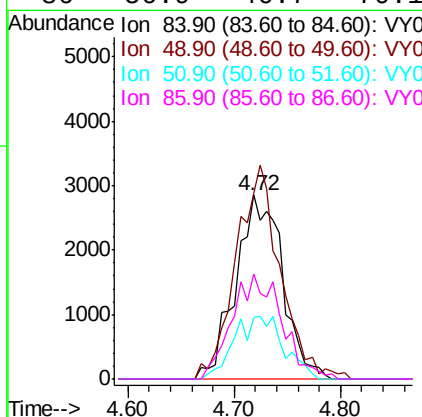
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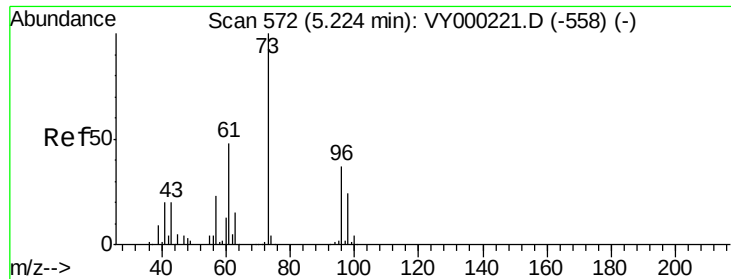
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#20
Methylene Chloride
Concen: 2.514 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion: 84 Resp: 8746
Ion Ratio Lower Upper
84 100
49 101.3 96.2 144.2
51 33.5 26.6 39.8
86 56.9 46.7 70.1





#21

trans-1,2-Dichloroethene

Concen: 2.057 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

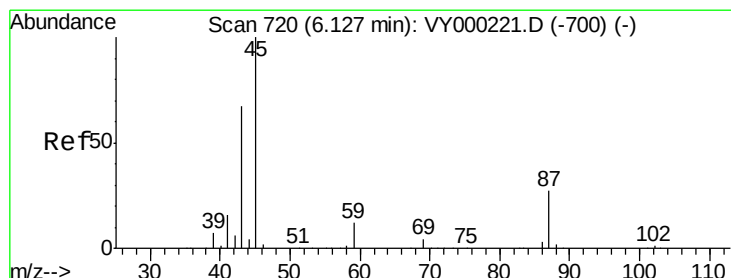
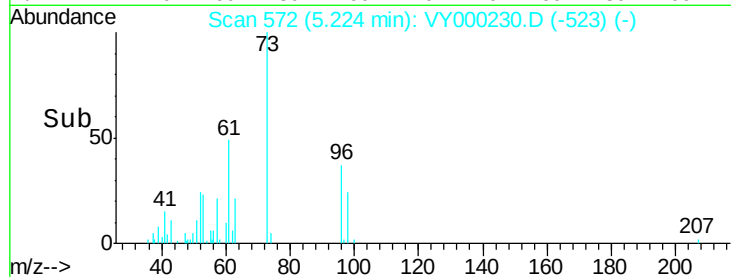
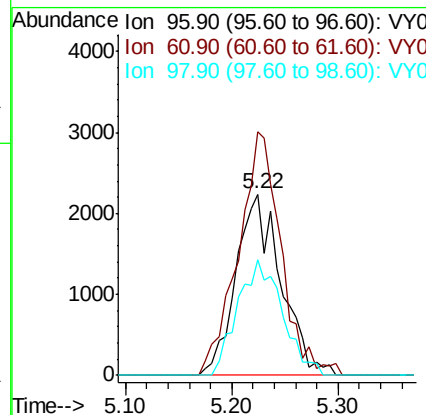
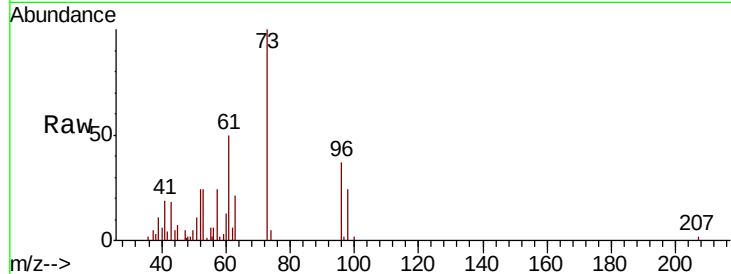
ClientSampleId :

2.5PPBMDL

Tot Ion:	96	Resp:	6612
Ion	Ratio	Lower	Upper
96	100		
61	134.4	104.2	156.2
98	63.5	51.0	76.6

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#22

Diisopropyl ether

Concen: 2.104 ug/l

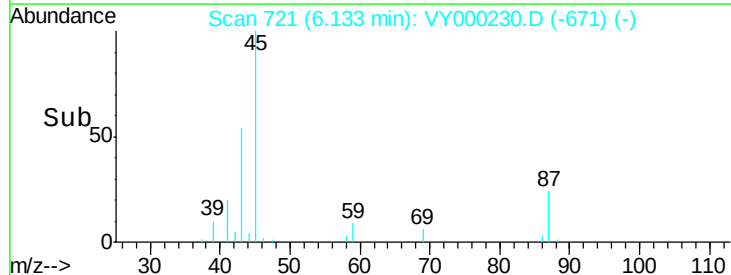
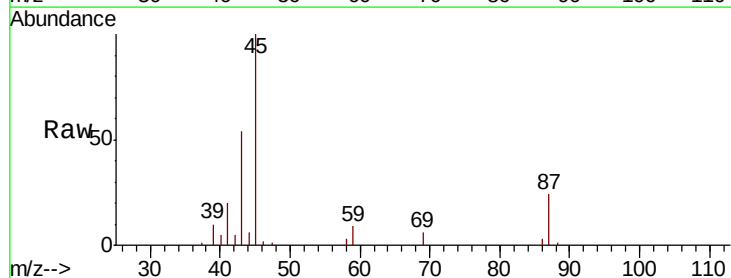
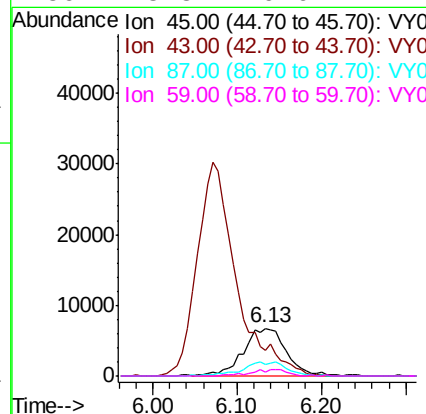
RT: 6.13 min Scan# 721

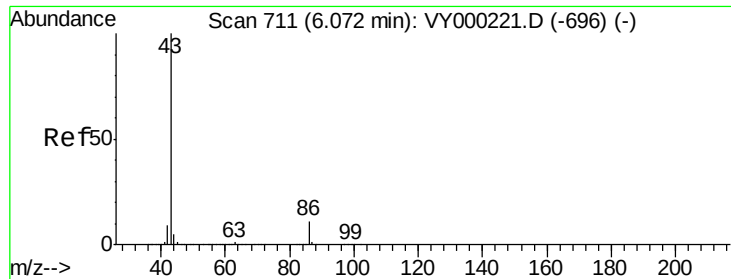
Delta R.T. 0.01 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Tgt Ion:	45	Resp:	23470
Ion	Ratio	Lower	Upper
45	100		
43	53.2	53.4	80.2#
87	24.1	21.7	32.5
59	8.8	9.6	14.4#





#23

Vinyl Acetate

Concen: 9.666 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 97670

Ion Ratio Lower Upper

43 100

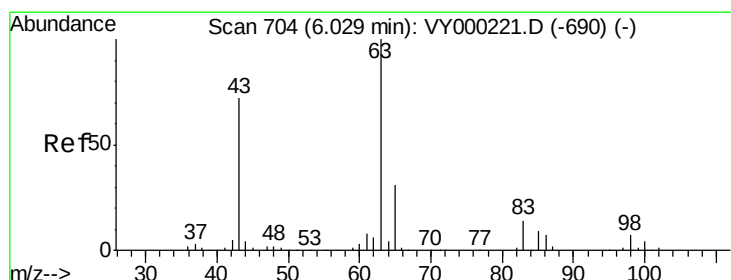
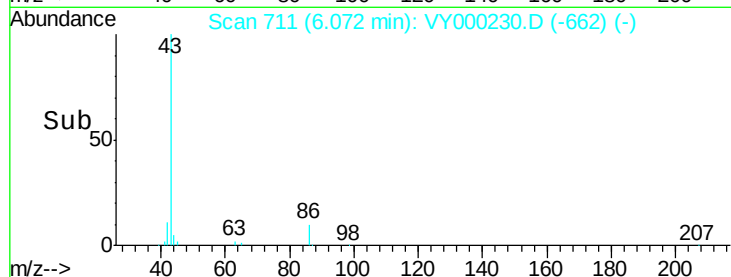
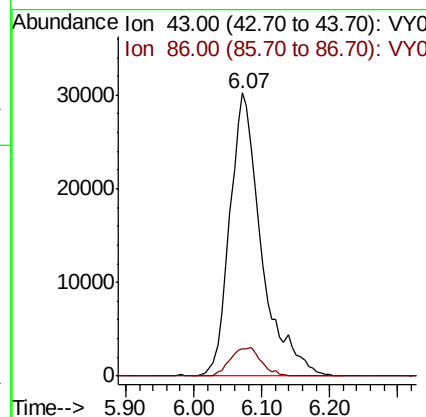
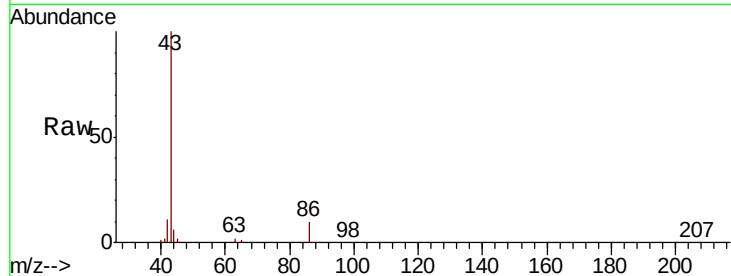
86 9.8 8.5 12.7

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#24

1,1-Dichloroethane

Concen: 2.166 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

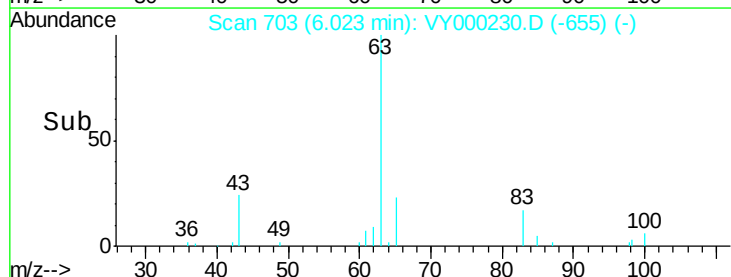
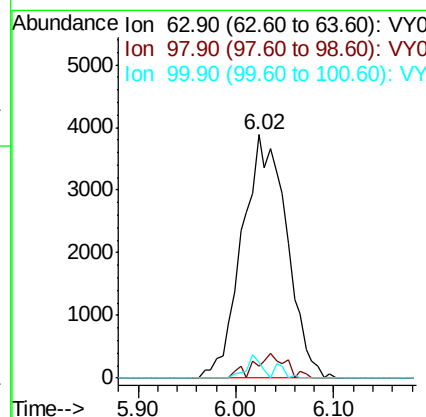
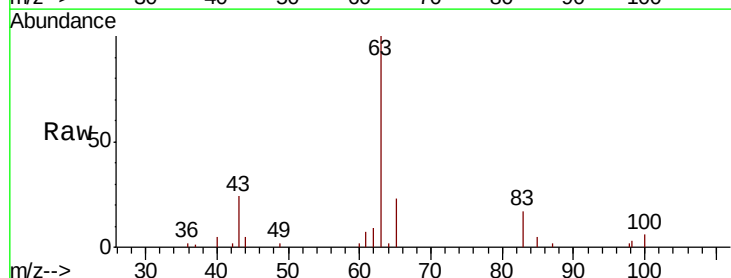
Tgt Ion: 63 Resp: 12328

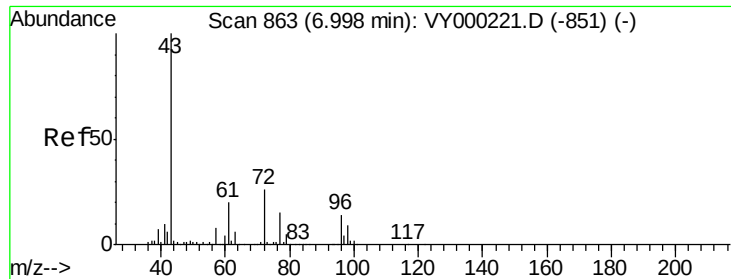
Ion Ratio Lower Upper

63 100

98 4.9 3.5 10.6

100 6.3 2.1 6.5





#25

2-Butanone

Concen: 10.592 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 43 Resp: 51883

Ion Ratio Lower Upper

43 100

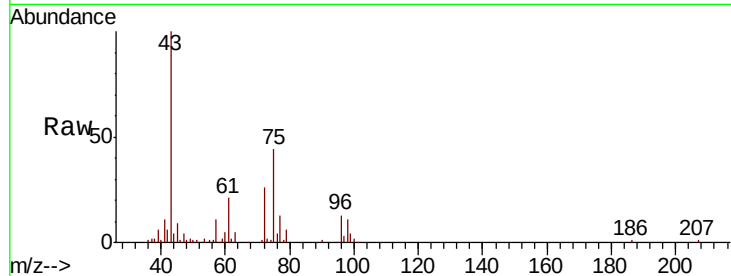
72 26.0 20.6 31.0

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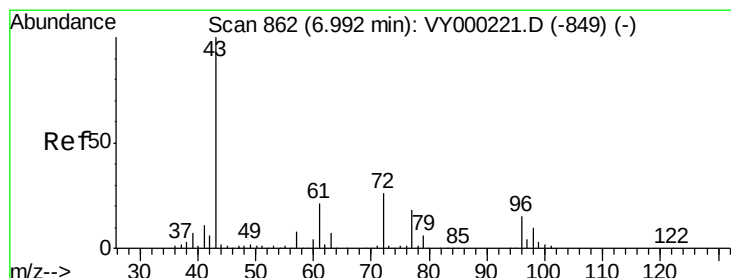
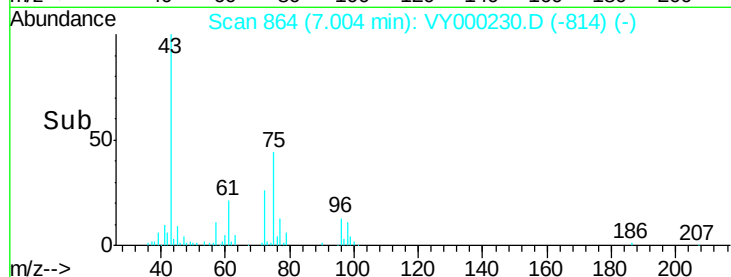
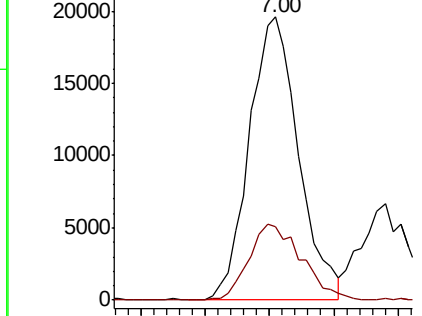
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 2.001 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000230.D

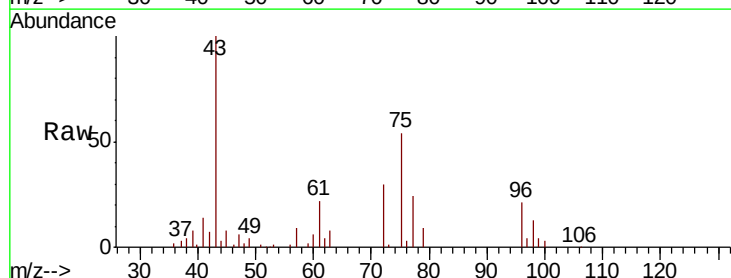
Acq: 08 Oct 2019 19:59

Tgt Ion: 77 Resp: 10281

Ion Ratio Lower Upper

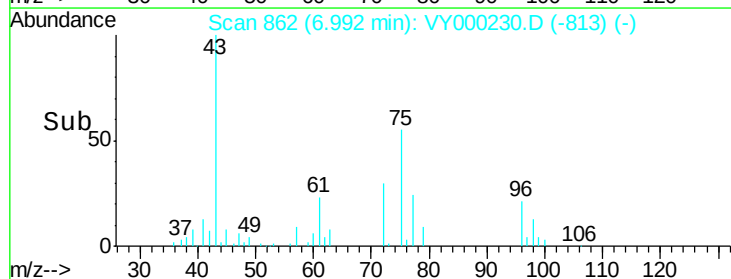
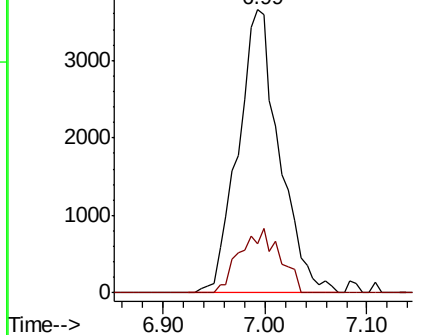
77 100

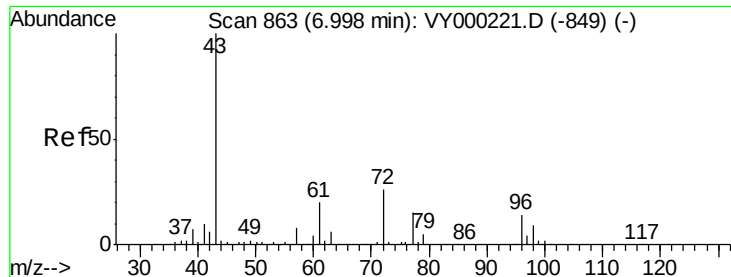
97 21.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

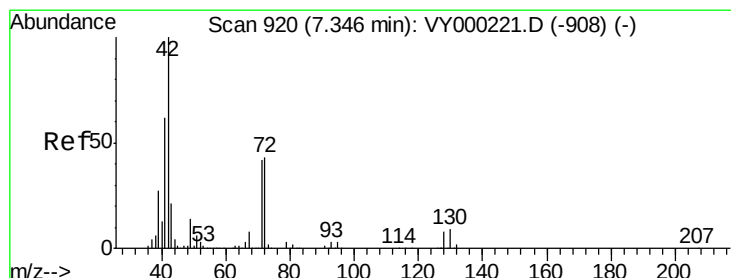
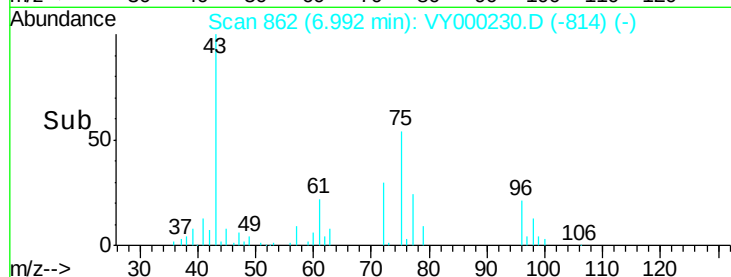
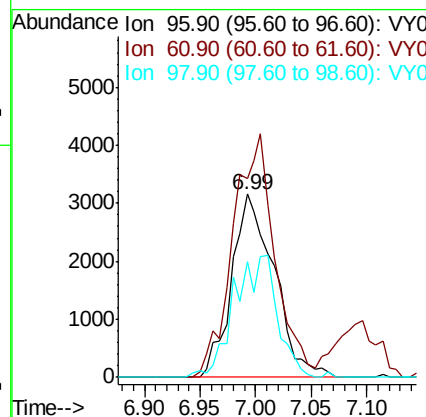
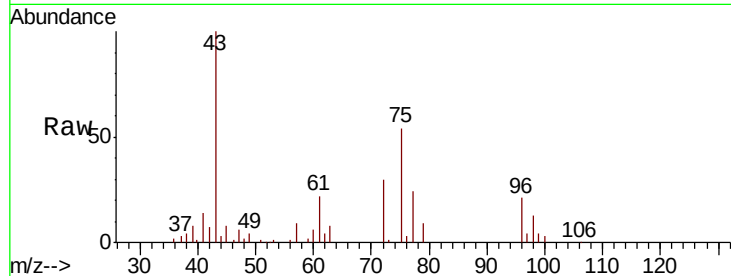
cis-1,2-Dichloroethene
Concen: 2.216 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampled :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	282.6
98	67.0	0.0	129.8

Manual Integrations
APPROVED

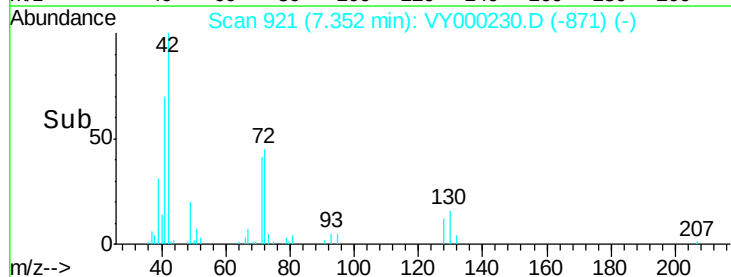
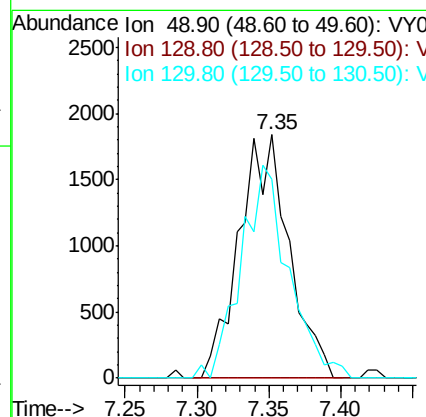
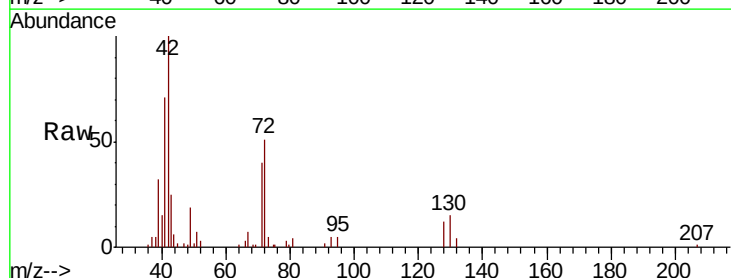
MMDadoda
10/10/2019 12:52:30 AM

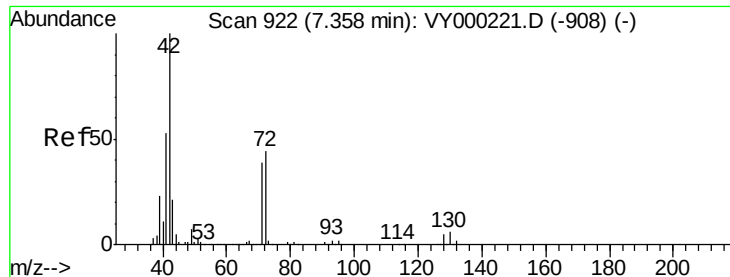


#28

Bromochloromethane
Concen: 2.347 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	84.1	56.5	84.7





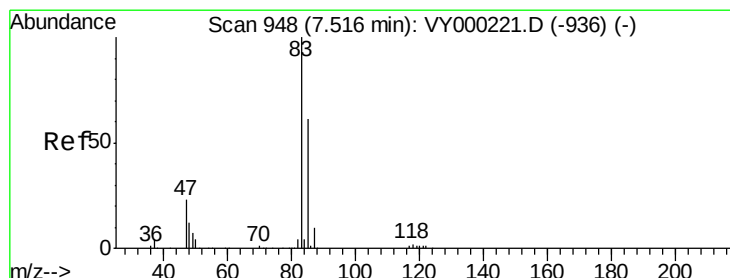
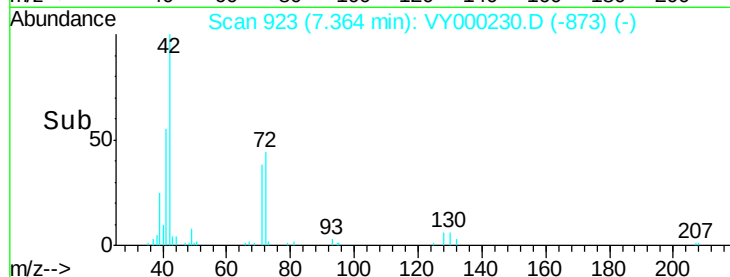
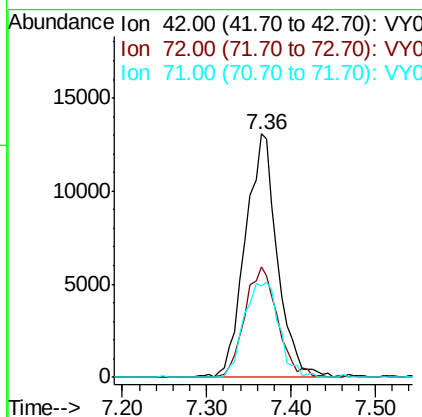
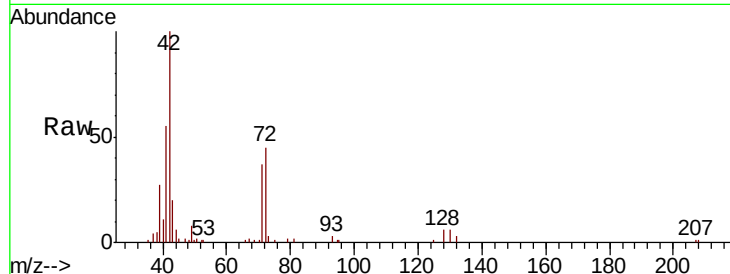
#29
Tetrahydrofuran
Concen: 9.754 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	34.6	51.8
71	42.4	31.9	47.9

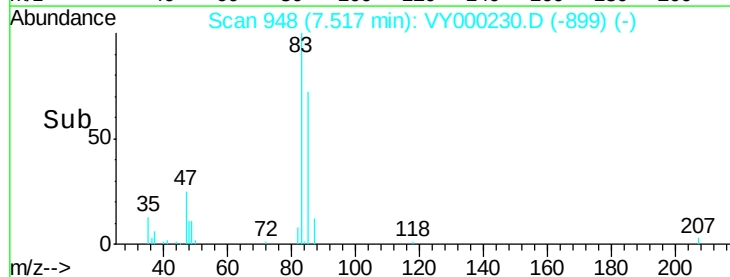
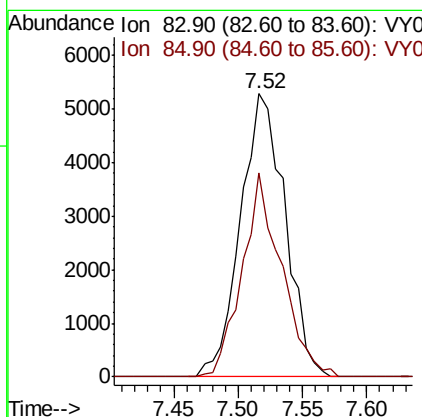
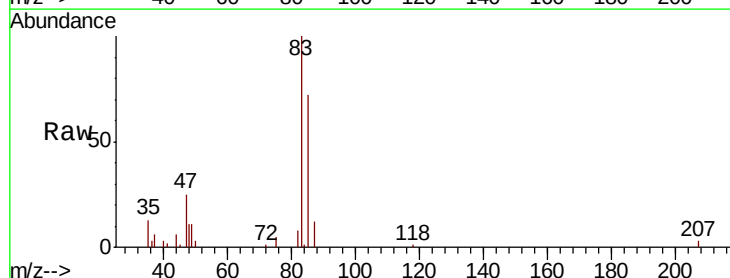
Manual Integrations
APPROVED

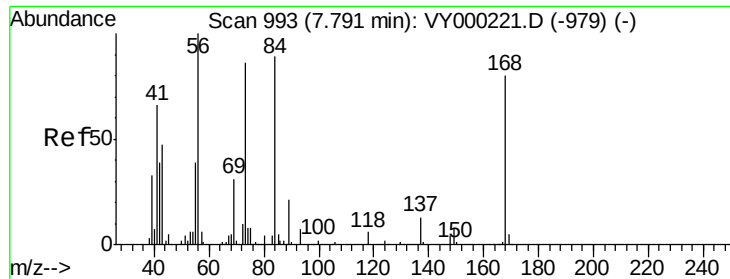
MMDadoda
10/10/2019 12:52:30 AM



#30
Chloroform
Concen: 2.141 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	72.1	48.9	73.3





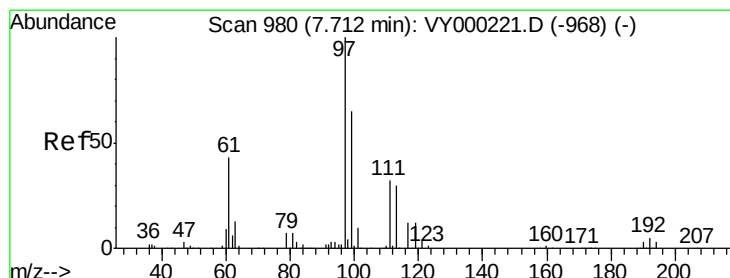
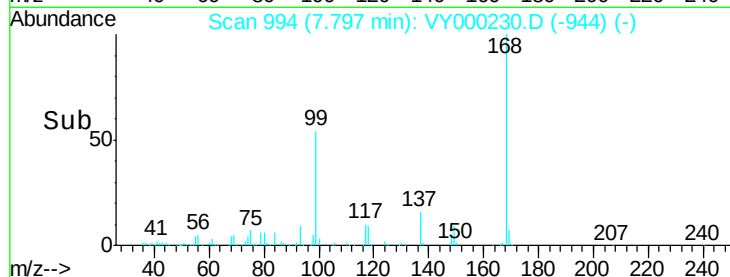
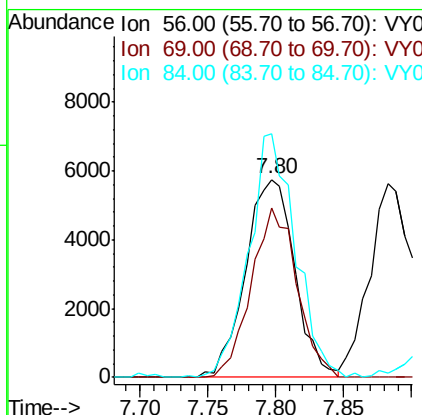
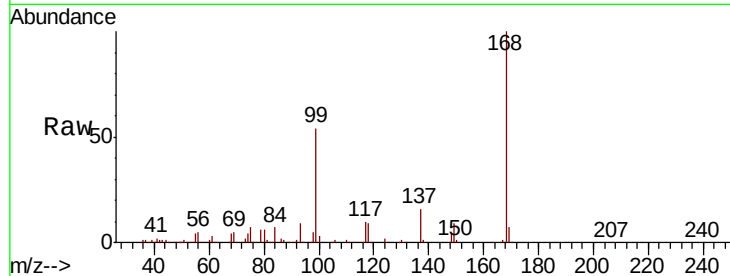
#31
Cyclohexane
Concen: 2.539 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
56	100		
69	85.5	24.7	37.1#
84	121.8	71.3	106.9#

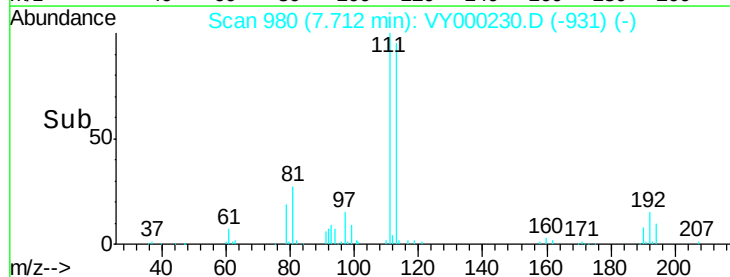
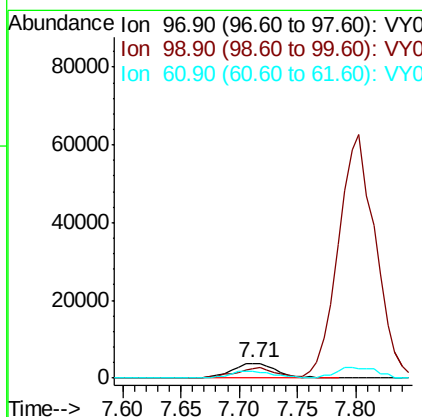
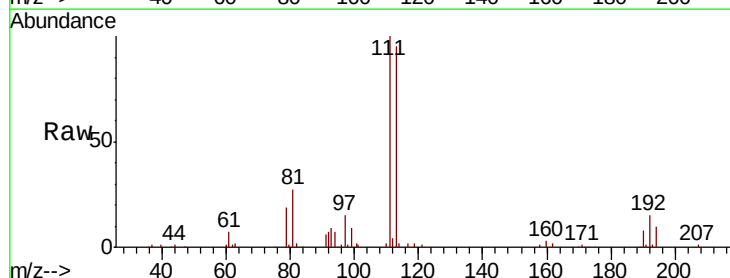
Manual Integrations
APPROVED

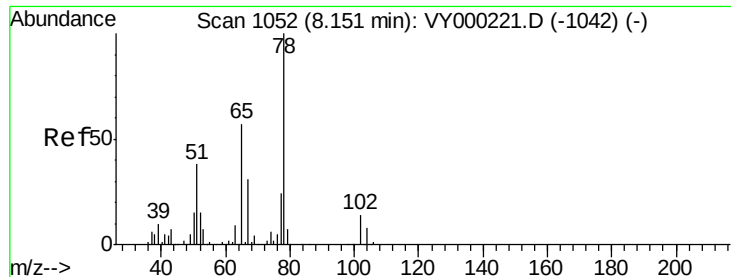
MMDadoda
10/10/2019 12:52:30 AM



#32
1,1,1-Trichloroethane
Concen: 2.008 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.4	77.2
61	45.8	34.2	51.4





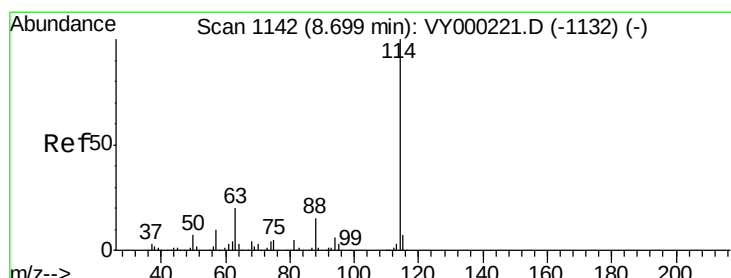
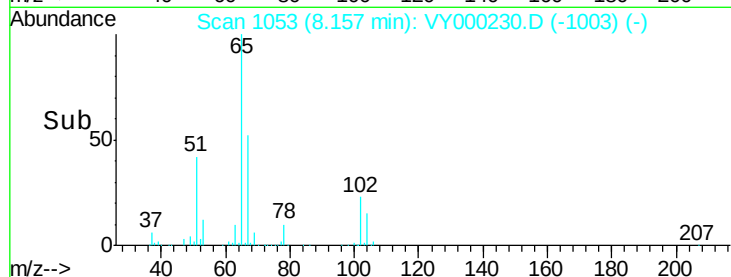
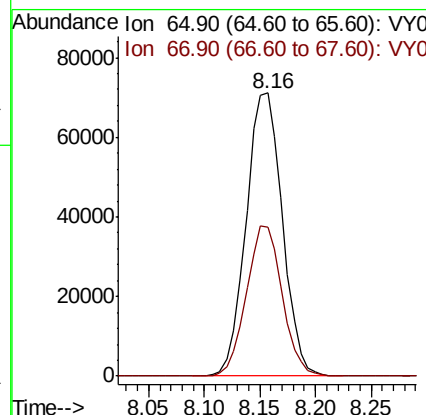
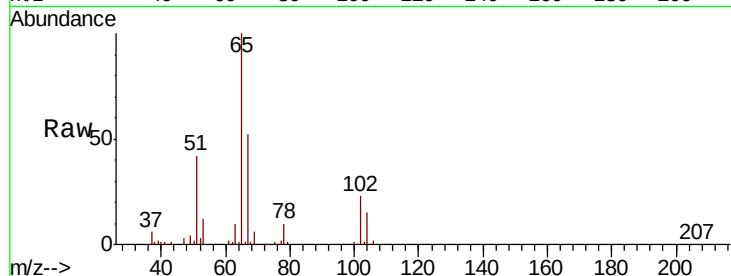
#33
 1,2-Dichloroethane-d4
 Concen: 48.195 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	161125		
67	52.3	0.0	109.0	

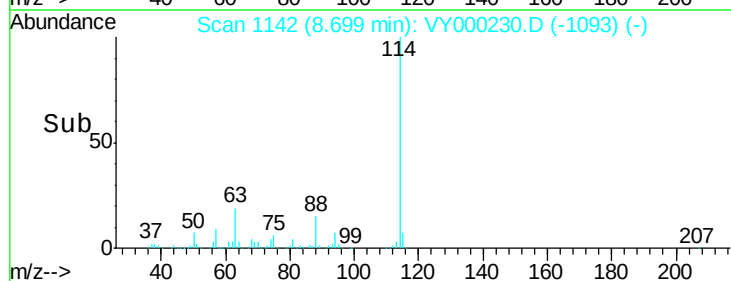
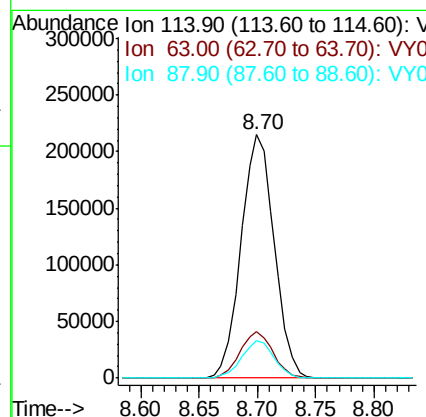
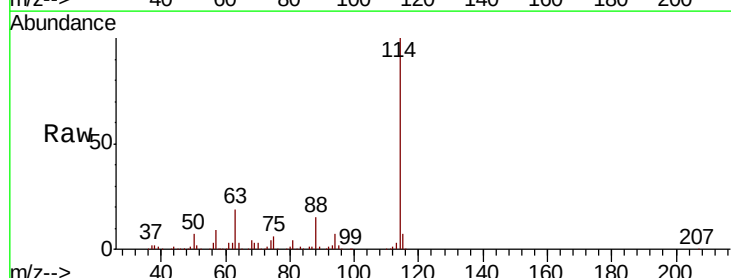
Manual Integrations
 APPROVED

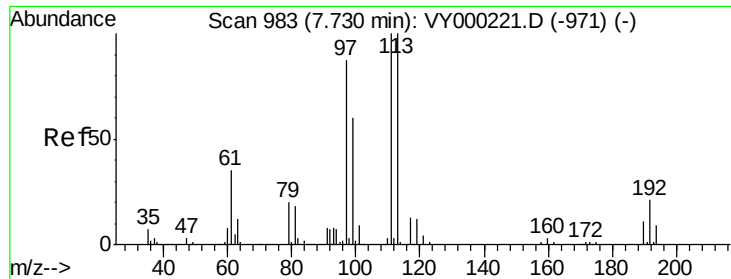
MMDadoda
 10/10/2019 12:52:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	427212		
63	19.0	0.0	39.0	
88	15.5	0.0	30.6	





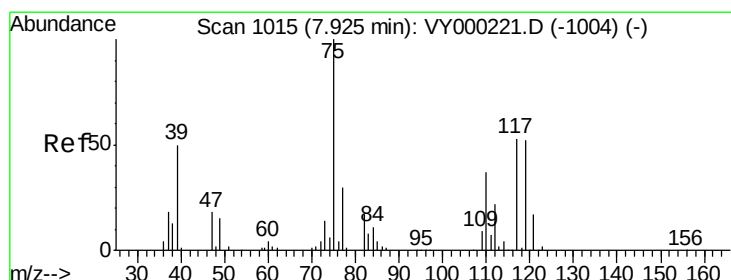
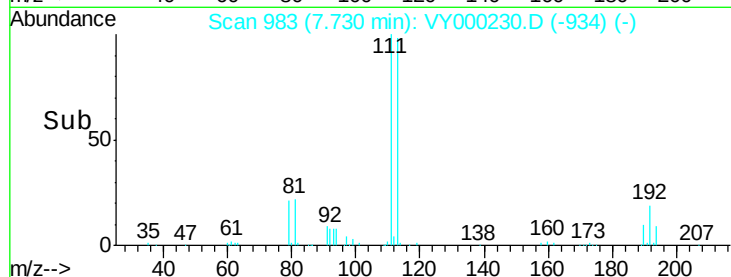
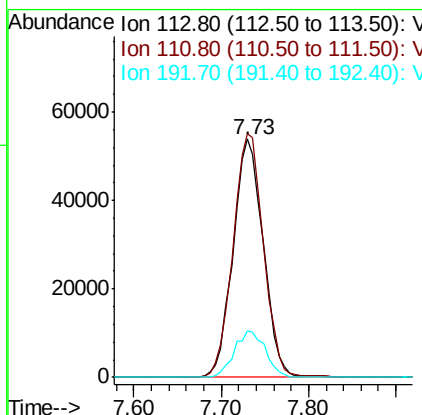
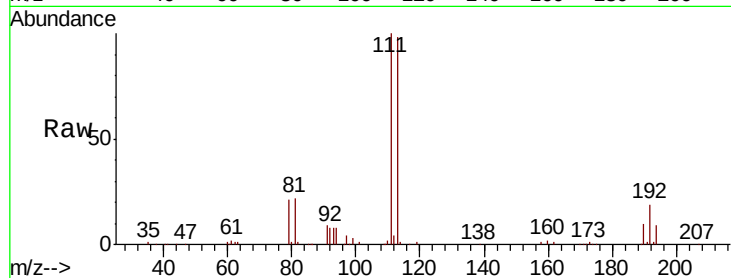
#35
Dibromofluoromethane
Concen: 48.482 ug/l
RT: 7.73 min Scan# 983
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129052		
111	103.3	82.6	124.0	
192	20.0	15.8	23.8	

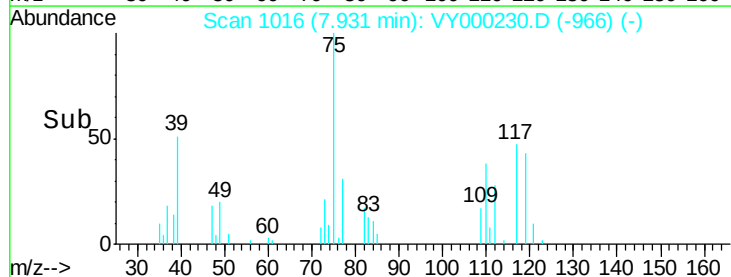
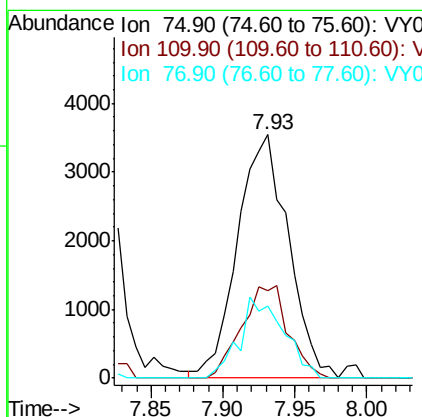
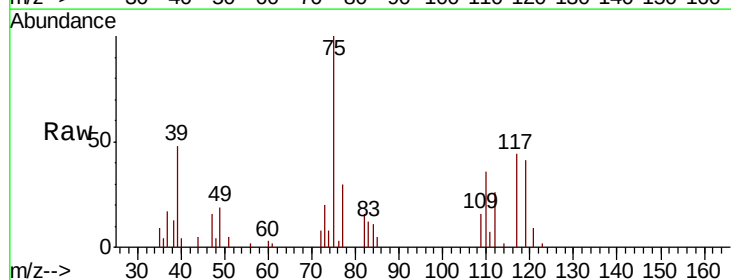
Manual Integrations
APPROVED

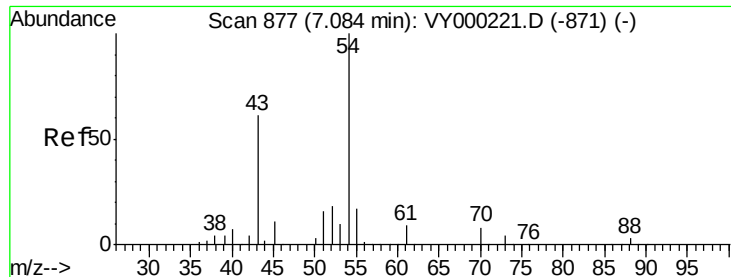
MMDadoda
10/10/2019 12:52:30 AM



#36
1,1-Dichloropropene
Concen: 2.000 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8695		
110	34.9	18.4	55.2	
77	28.8	24.7	37.1	





#37

Ethyl Acetate

Concen: 2.091 ug/l

RT: 7.09 min Scan# 878

Delta R.T. 0.01 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

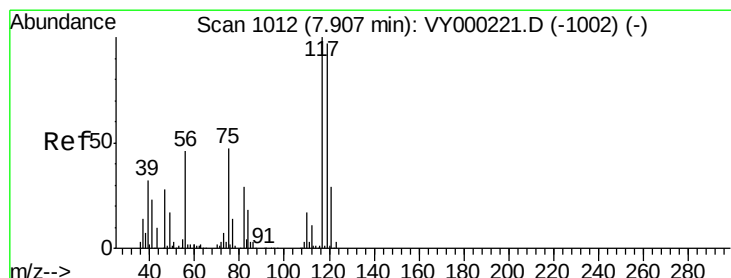
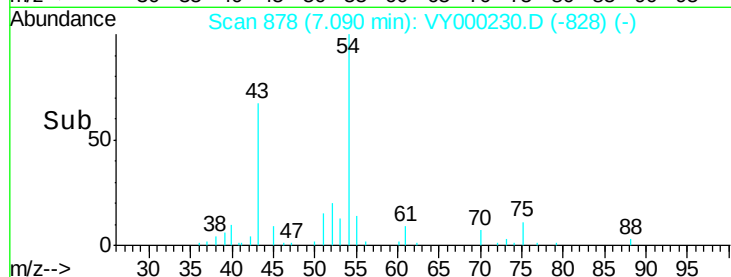
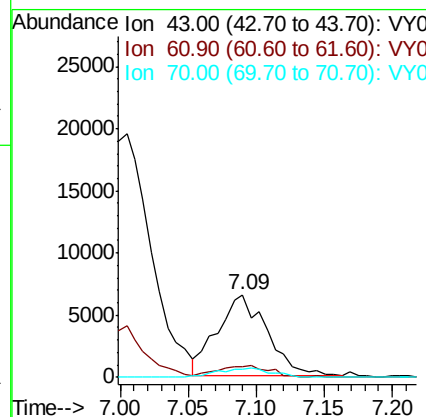
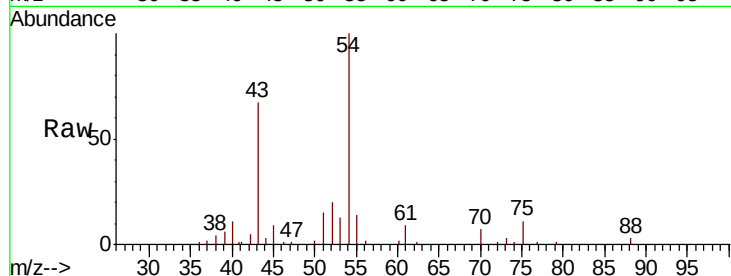
ClientSampled :

2.5PPBMDL

Tot Ion:	43	Resp:	16429
Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.1	16.7
70	12.4	8.5	12.7

Manual Integrations
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10/10/2019 12:52:30 AM



#38

Carbon Tetrachloride

Concen: 2.123 ug/l

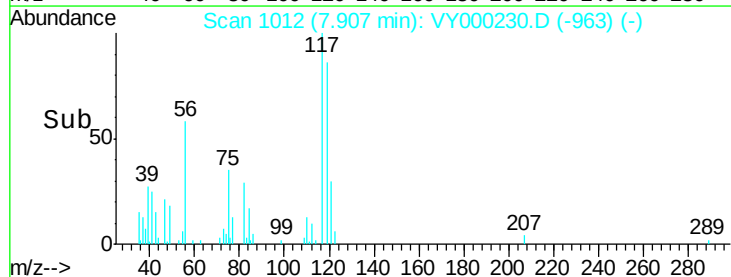
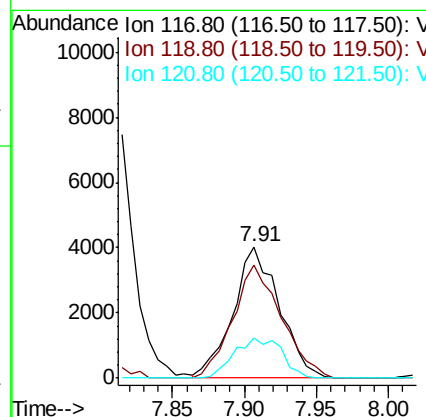
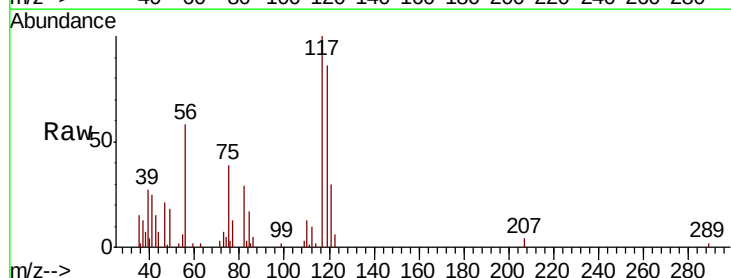
RT: 7.91 min Scan# 1012

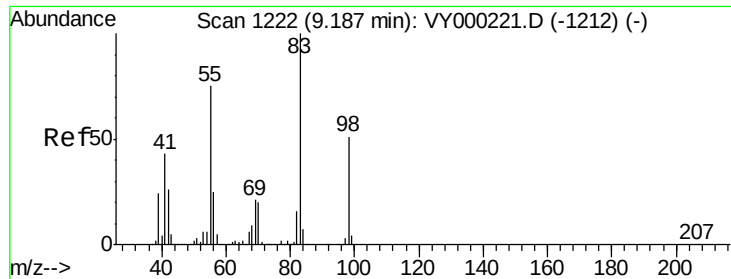
Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Tgt Ion:	117	Resp:	8996
Ion	Ratio	Lower	Upper
117	100		
119	86.4	77.2	115.8
121	30.4	23.1	34.7





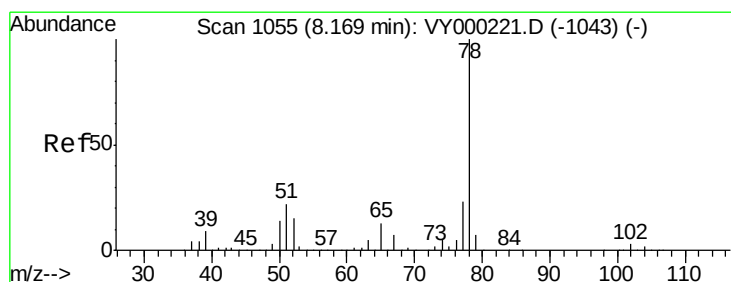
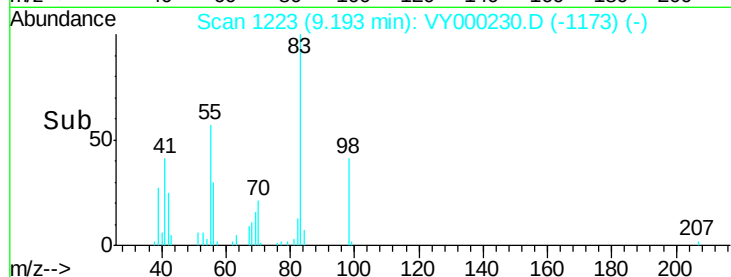
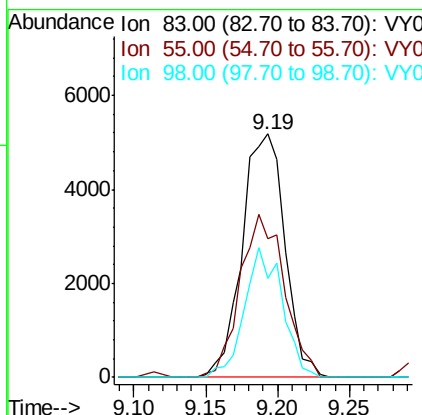
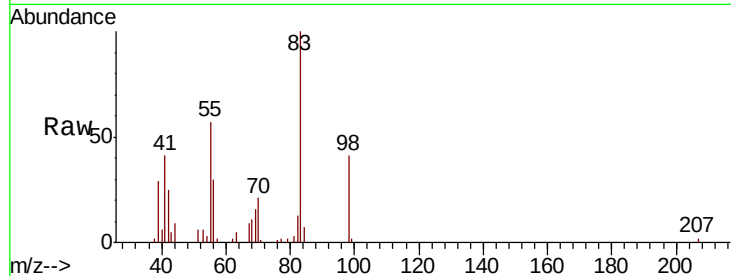
#39
Methylvlcyclohexane
Concen: 1.942 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	83	Resp	10588
Ion Ratio	Lower	Upper	
83	100		
55	56.8	60.2	90.4#
98	40.7	40.5	60.7

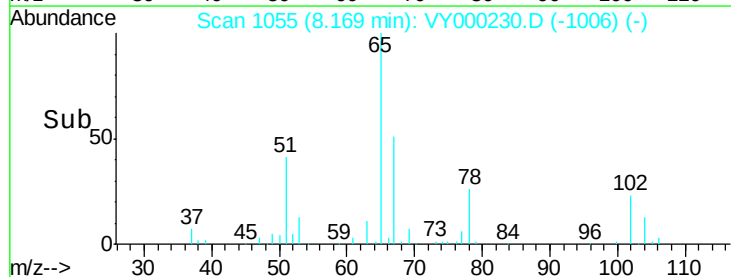
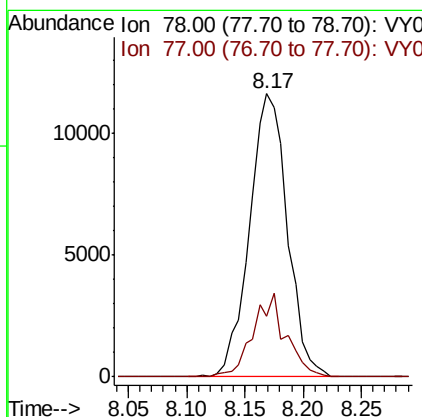
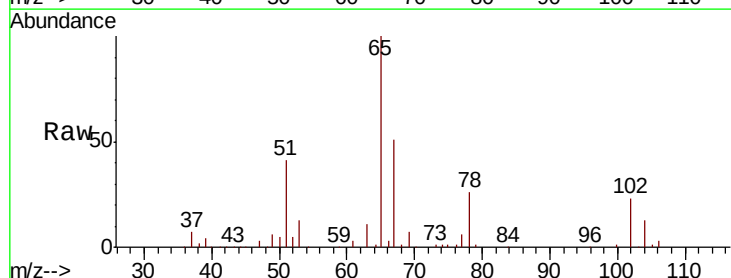
Manual Integrations
APPROVED

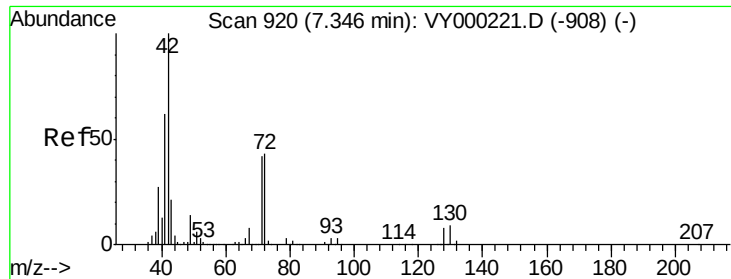
MMDadoda
10/10/2019 12:52:30 AM



#40
Benzene
Concen: 1.985 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	78	Resp	26172
Ion Ratio	Lower	Upper	
78	100		
77	21.5	18.6	28.0





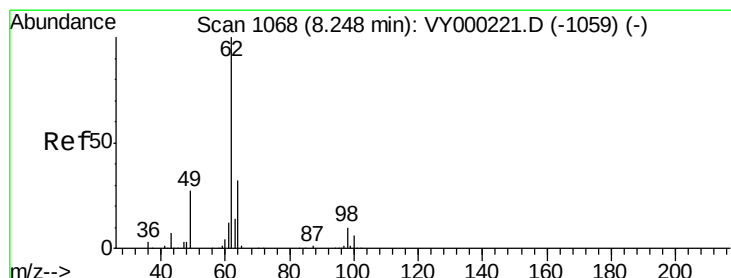
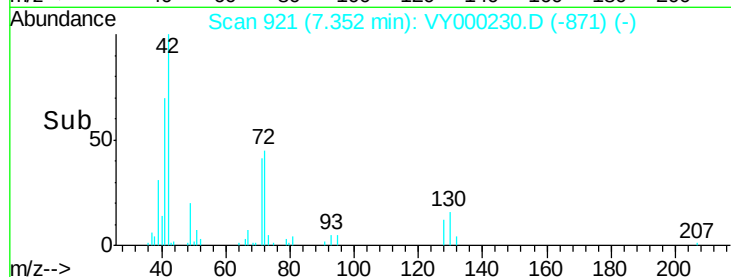
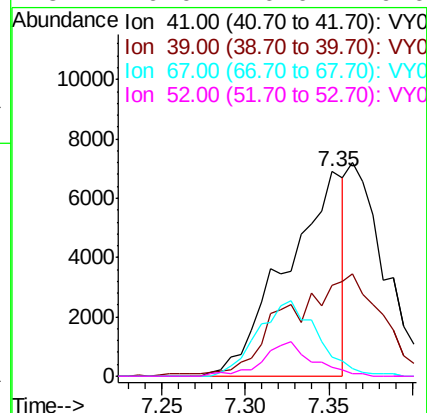
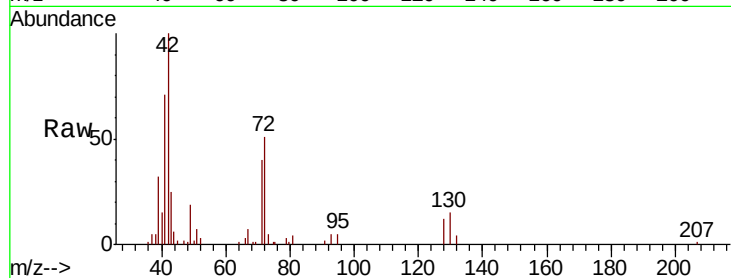
#41
Methacrylonitrile
Concen: 2.689 ug/l m
RT: 7.35 min Scan# 921
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	41	Resp	16632
Ion Ratio	100	Lower	Upper
41	100		
39	57.2	74.7	112.1#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

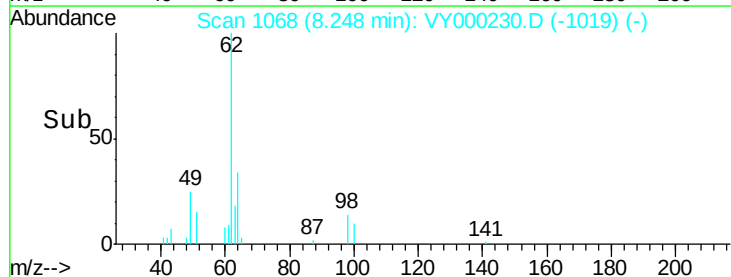
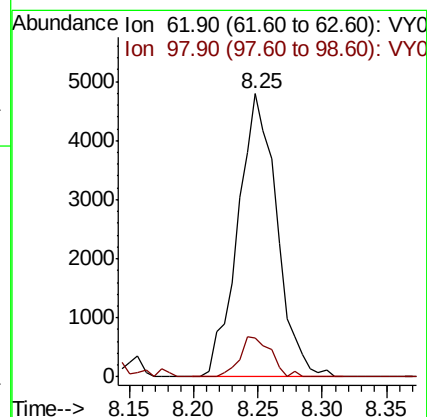
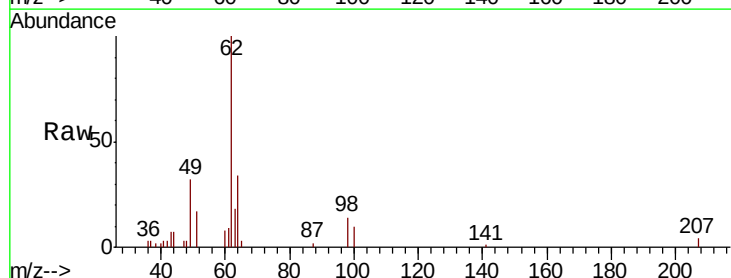
Manual Integrations
APPROVED

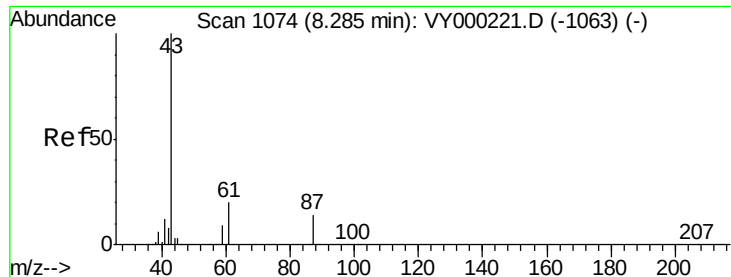
MMDadoda
10/10/2019 12:52:30 AM



#42
1,2-Dichloroethane
Concen: 2.352 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	62	Resp	10075
Ion Ratio	100	Lower	Upper
62	100		
98	11.3	0.0	20.0





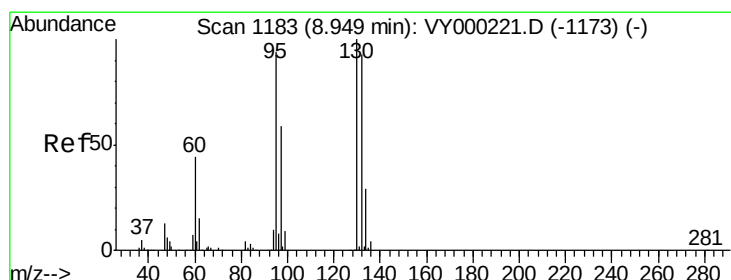
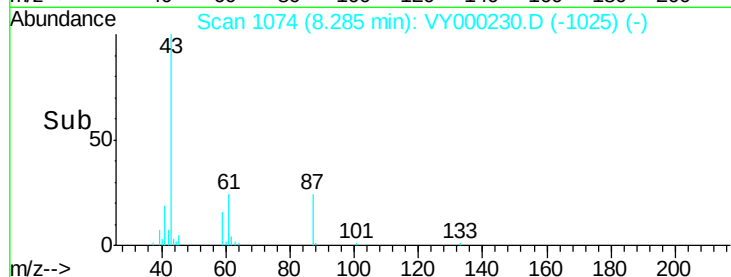
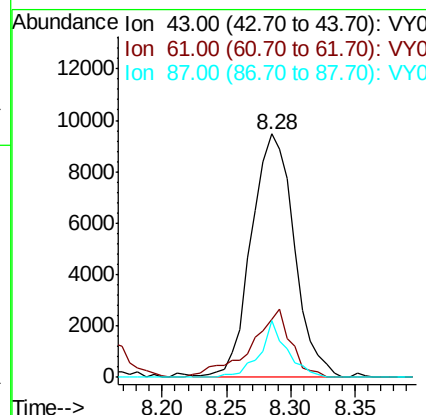
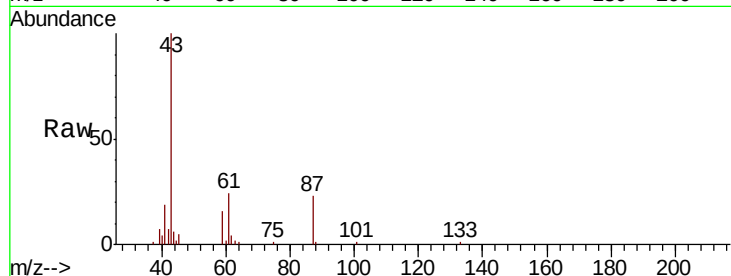
#43
Isopropyl Acetate
Concen: 2.155 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	20.1	30.1
87	14.7	10.6	15.8

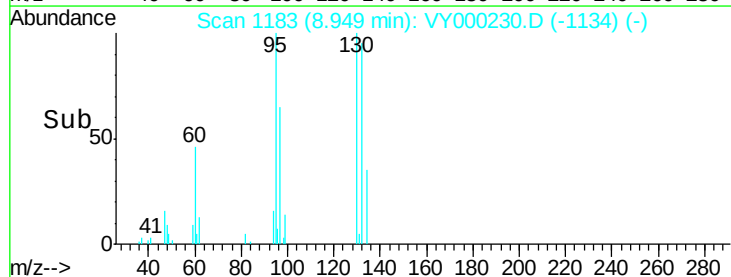
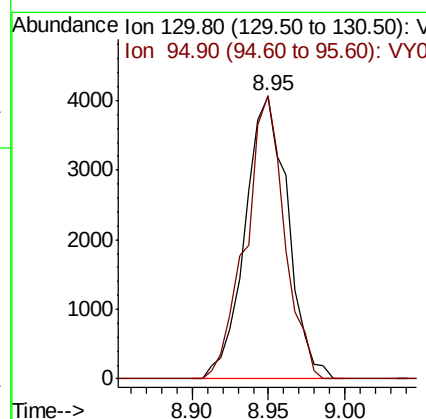
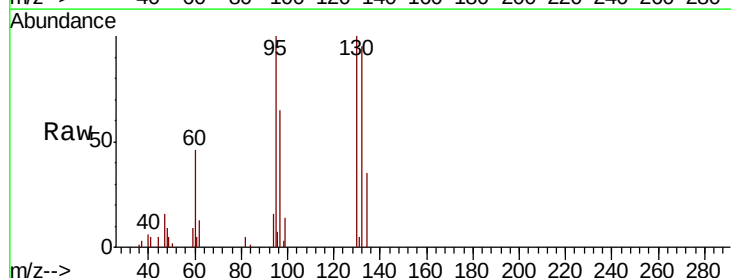
Manual Integrations
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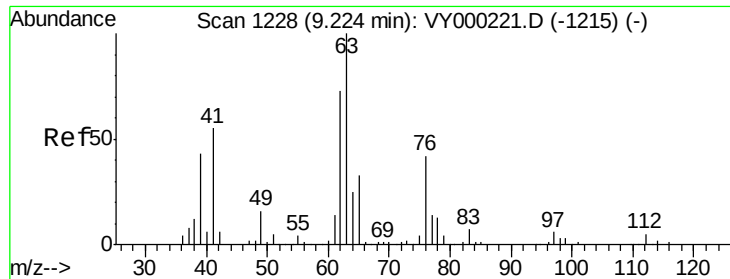
MMDadoda
10/10/2019 12:52:30 AM



#44
Trichloroethene
Concen: 2.208 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	189.0





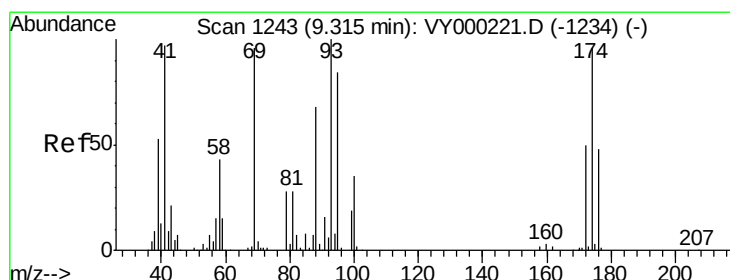
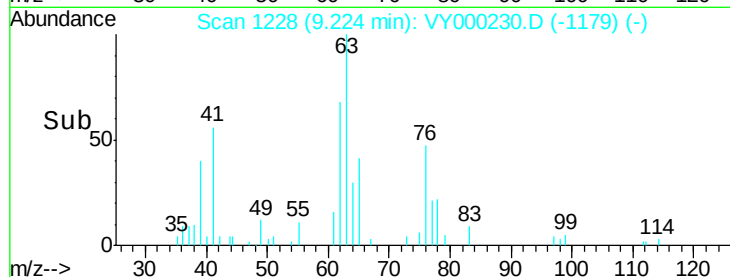
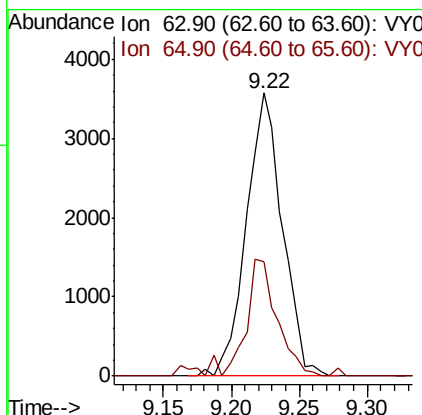
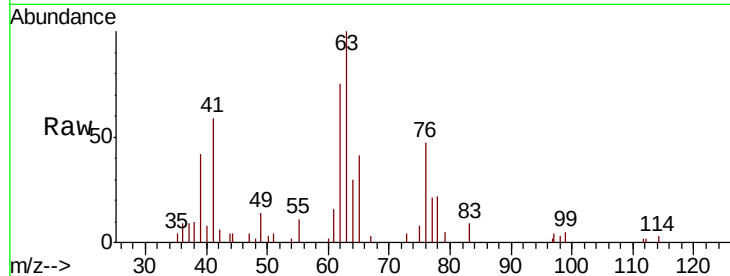
#45
 1,2-Dichloropropane
 Concen: 2.006 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion: 63 Resp: 6626
 Ion Ratio Lower Upper
 63 100
 65 38.1 26.6 39.8

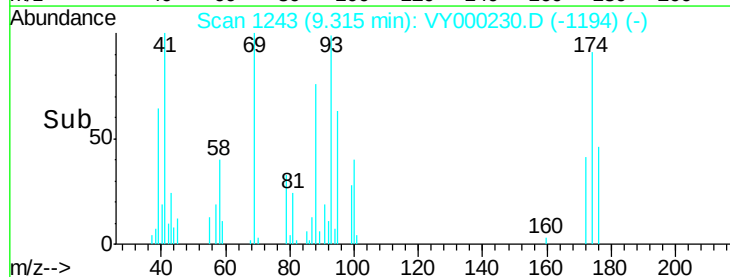
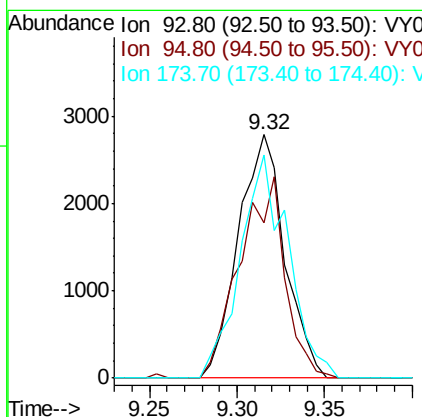
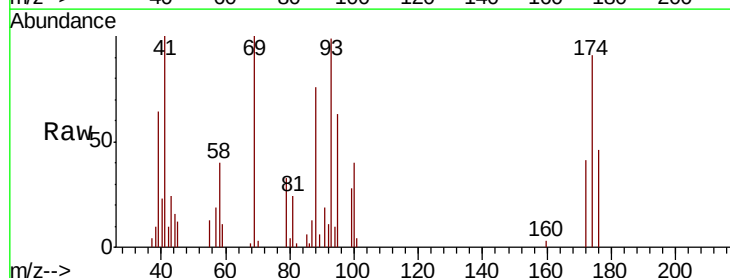
Manual Integrations
 APPROVED

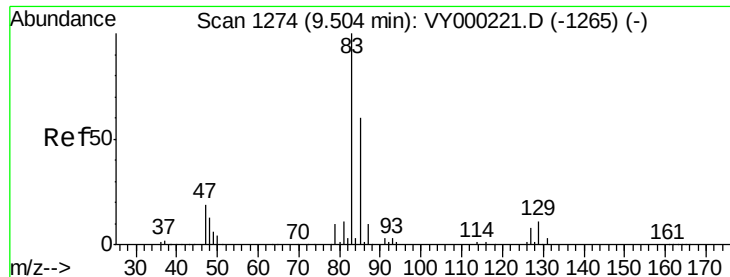
MMDadoda
 10/10/2019 12:52:30 AM



#46
 Dibromomethane
 Concen: 2.222 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Tgt Ion: 93 Resp: 5146
 Ion Ratio Lower Upper
 93 100
 95 80.7 67.0 100.6
 174 94.0 77.5 116.3





#47

Bromodichloromethane

Concen: 2.187 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

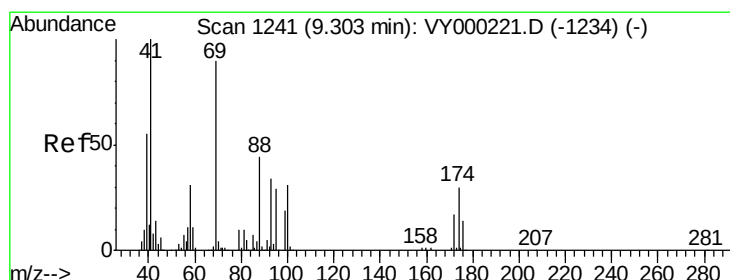
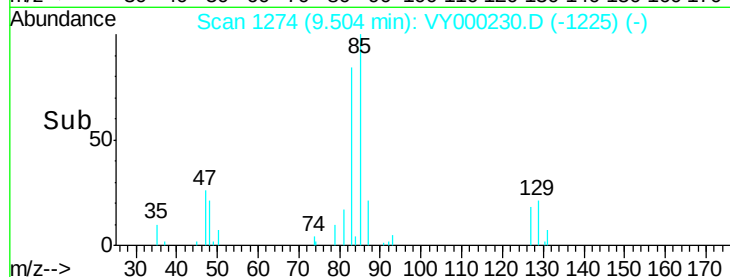
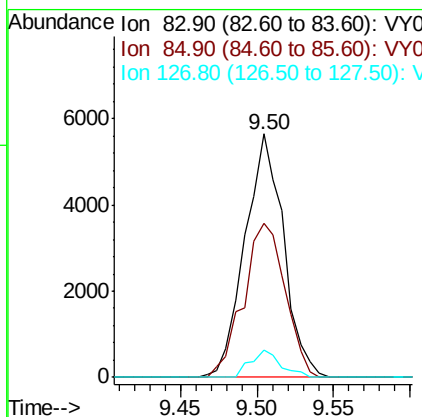
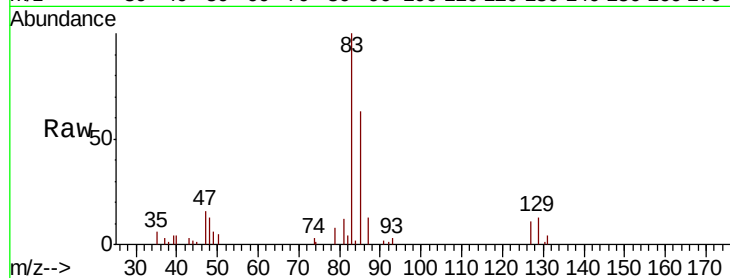
ClientSampleId :

2.5PPBMDL

Tot Ion:	83	Resp:	9904
Ion	Ratio	Lower	Upper
83	100		
85	63.1	48.0	72.0
127	11.4	6.5	9.7#

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 2.036 ug/l

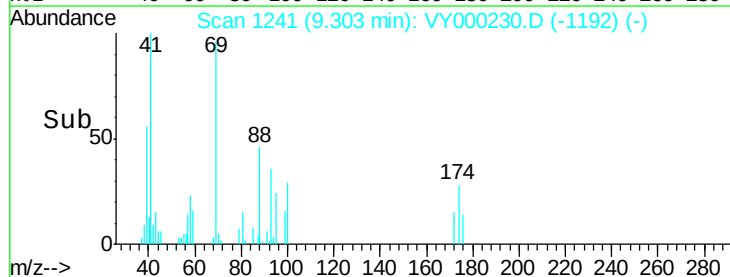
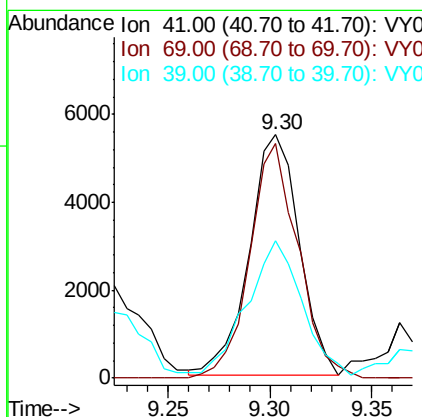
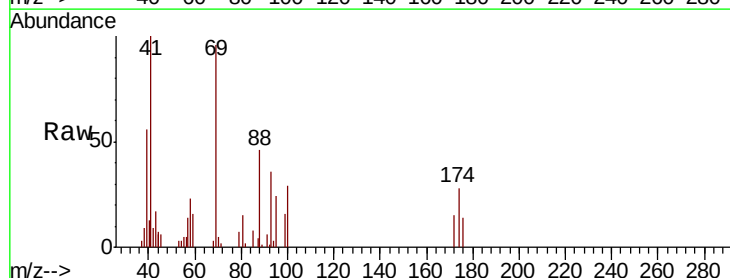
RT: 9.30 min Scan# 1241

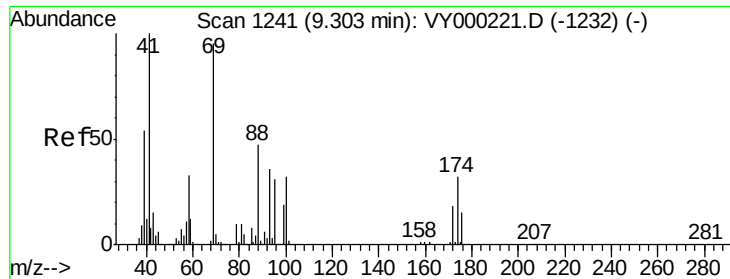
Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Tgt Ion:	41	Resp:	9295
Ion	Ratio	Lower	Upper
41	100		
69	95.1	70.3	105.5
39	64.8	45.5	68.3





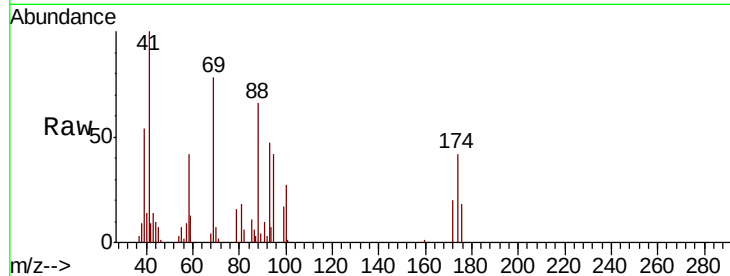
#49
1,4-Dioxane
Concen: 47.859 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampled :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	24.5	36.7
58	61.5	54.2	81.2

Manual Integrations
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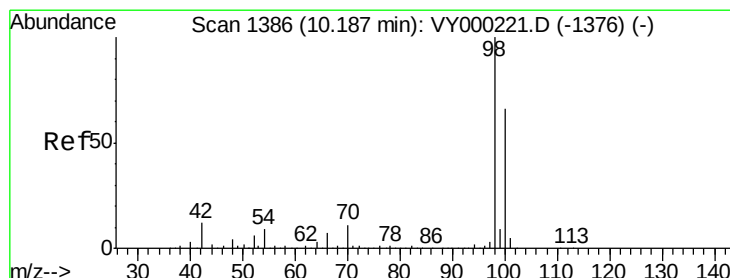
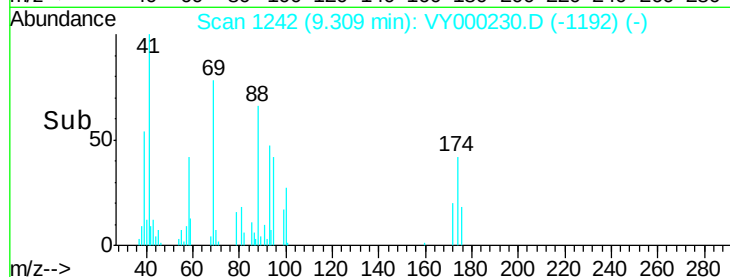
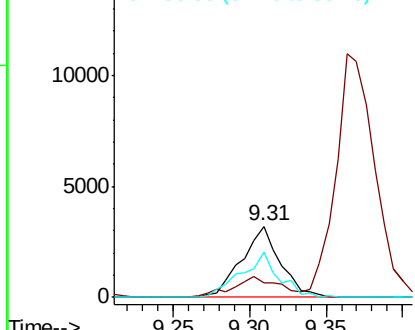


Abundance

Ion 88.00 (87.70 to 88.70): VY0

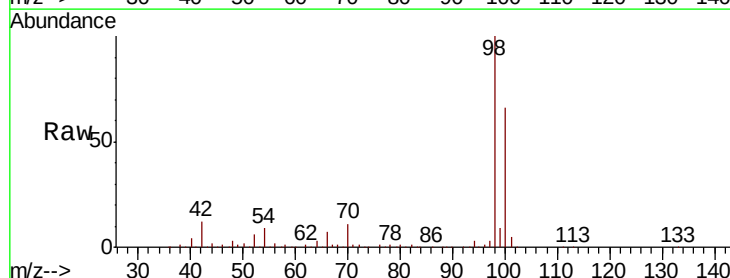
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 45.054 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

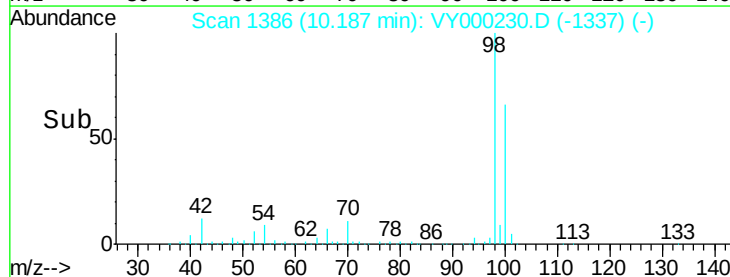
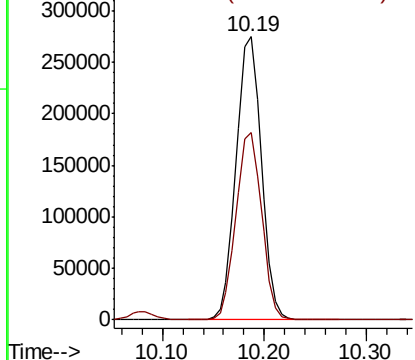
Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.6

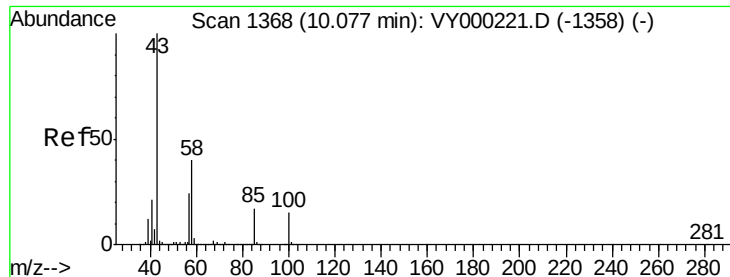


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 10.706 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampled :

2.5PPBMDL

Tot Ion: 43 Resp: 81384

Ion Ratio Lower Upper

43 100

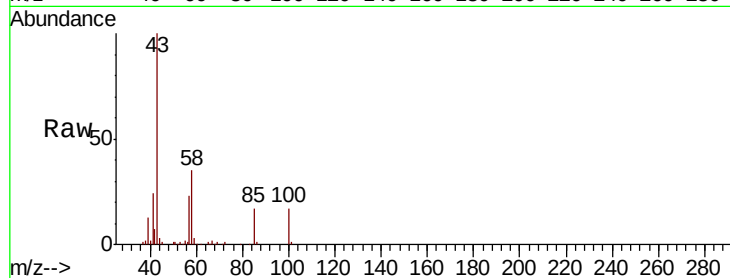
58 38.7 31.7 47.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY000221.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY000221.D (-1358) (-)

50000

40000

30000

20000

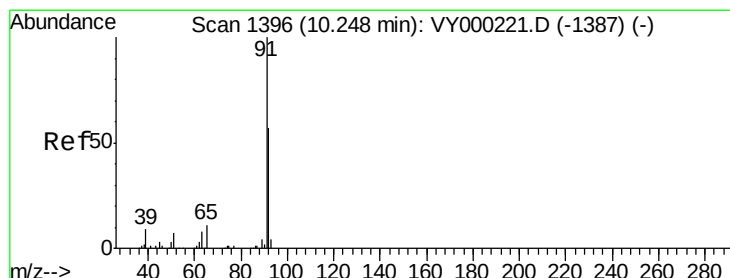
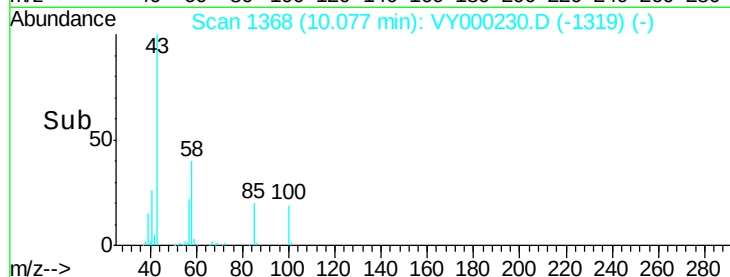
10000

0

10.00

10.10

Time-->



#52

Toluene

Concen: 1.989 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY000230.D

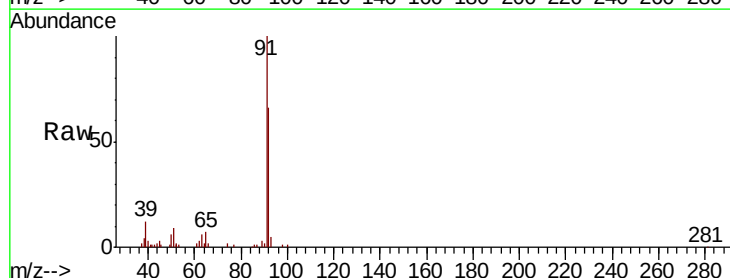
Acq: 08 Oct 2019 19:59

Tgt Ion: 92 Resp: 16824

Ion Ratio Lower Upper

92 100

91 174.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VY000221.D (-1387) (-)

Ion 91.00 (90.70 to 91.70): VY000221.D (-1387) (-)

20000

15000

10000

5000

0

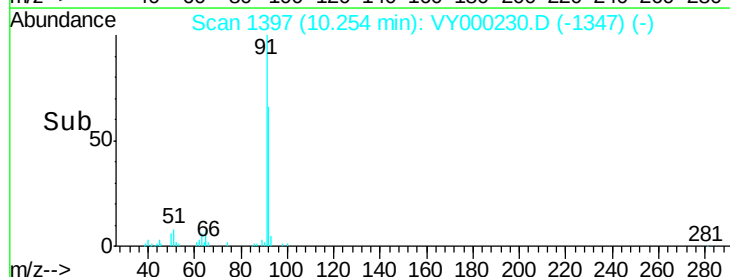
10.15

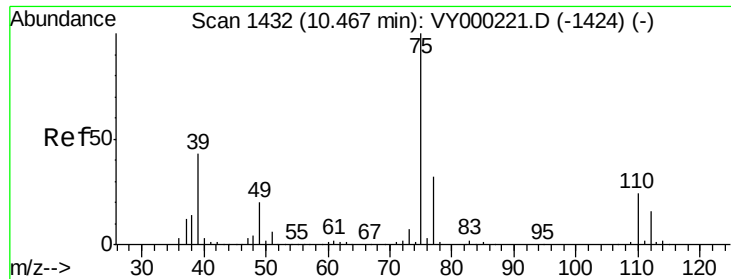
10.20

10.25

10.30

Time-->





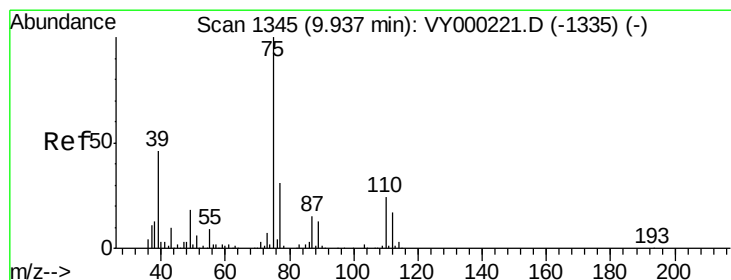
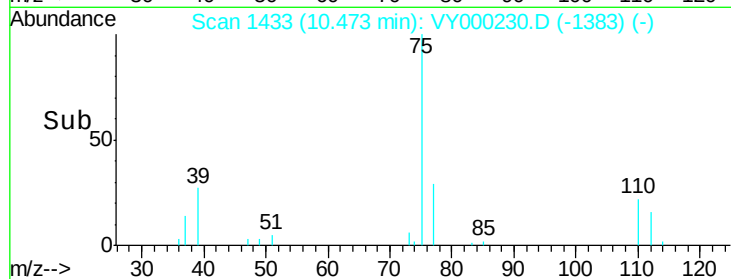
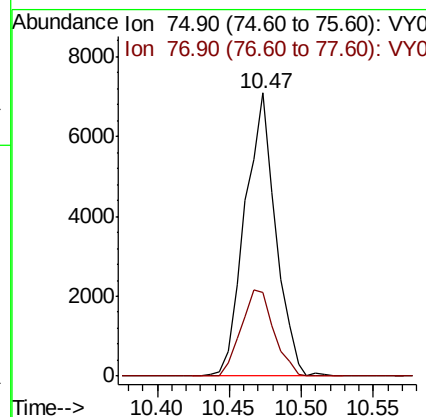
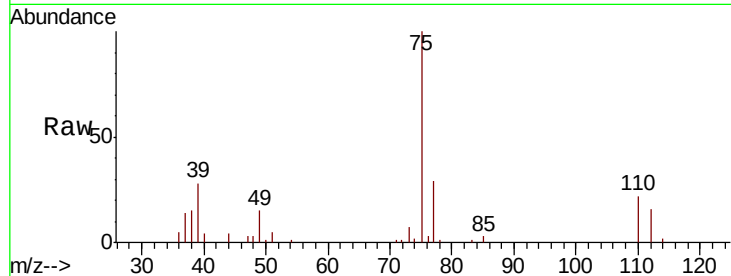
#53
t-1,3-Dichloropropene
Concen: 2.043 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion: 75 Resp: 10497
Ion Ratio Lower Upper
75 100
77 29.5 25.3 37.9

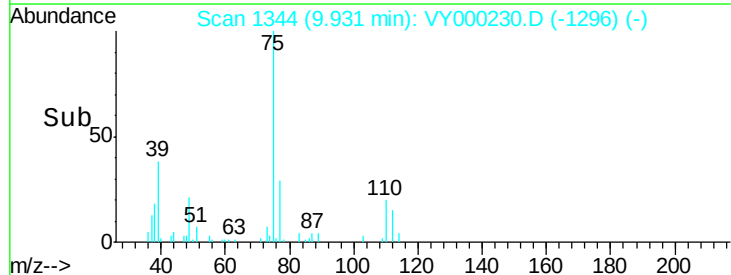
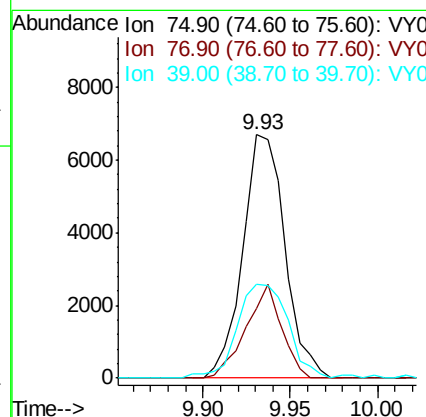
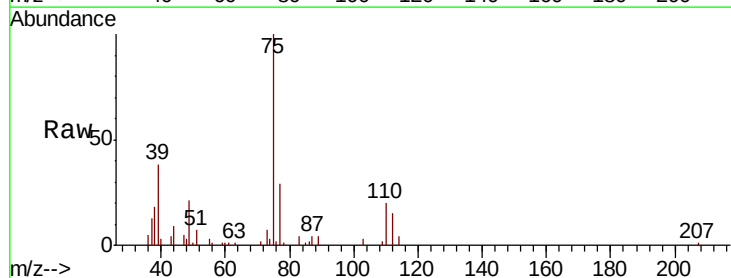
Manual Integrations
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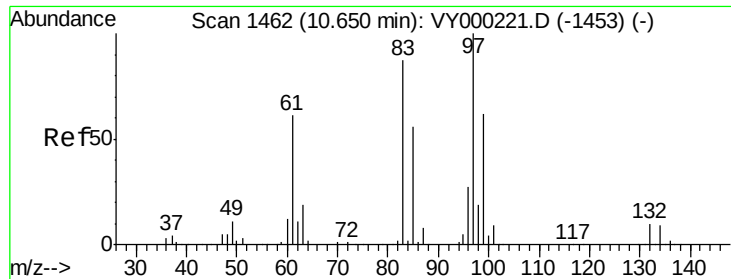
MMDadoda
10/10/2019 12:52:30 AM



#54
cis-1,3-Dichloropropene
Concen: 2.022 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion: 75 Resp: 11244
Ion Ratio Lower Upper
75 100
77 28.8 25.0 37.4
39 37.4 36.3 54.5





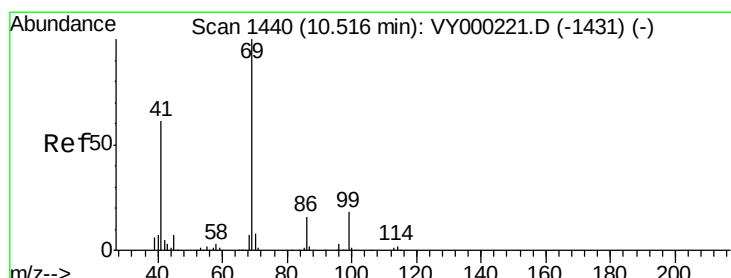
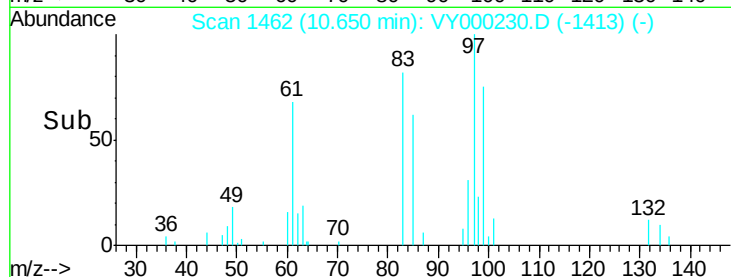
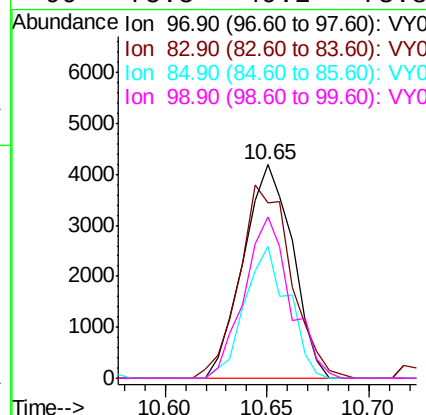
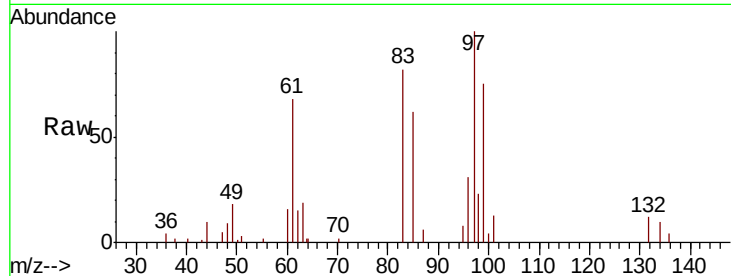
#55
 1,1,2-Trichloroethane
 Concen: 2.114 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.0	69.4	104.0
85	61.6	44.6	66.8
99	75.5	49.2	73.8

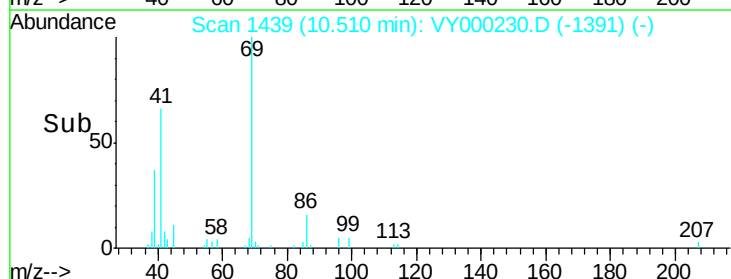
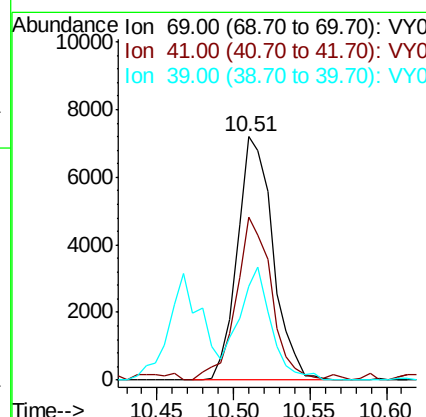
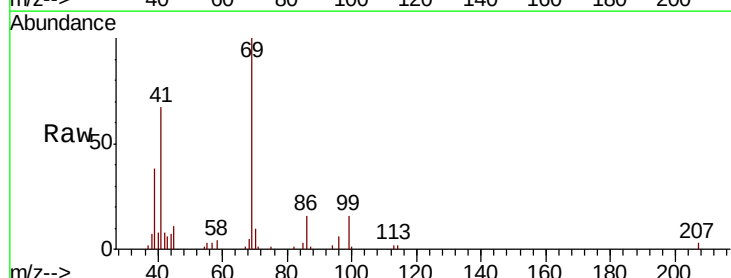
Manual Integrations
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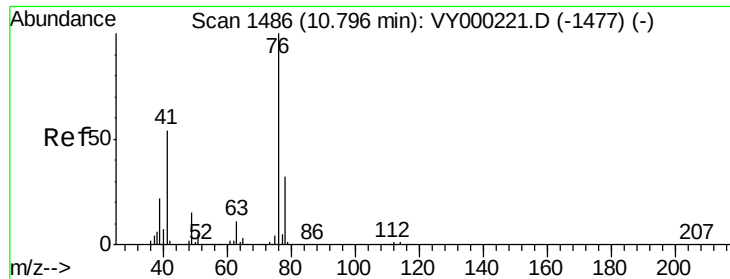
MMDadoda
 10/10/2019 12:52:30 AM



#56
 Ethyl methacrylate
 Concen: 1.976 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.6	51.2	76.8
39	41.8	27.0	40.4





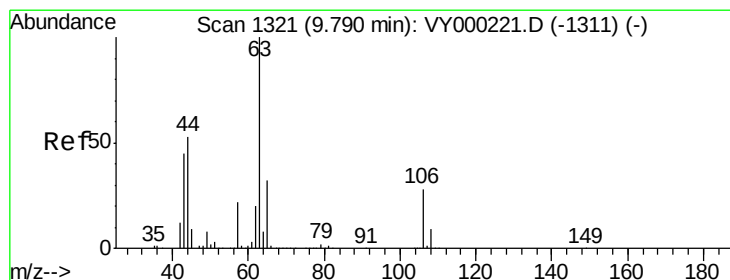
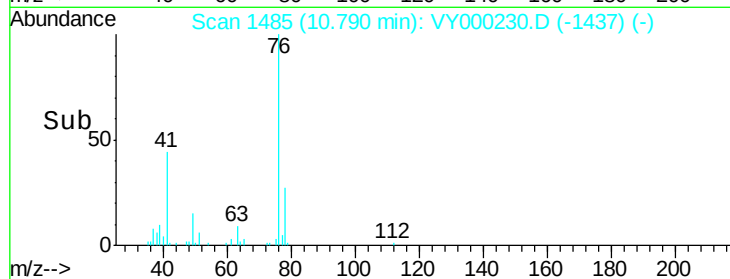
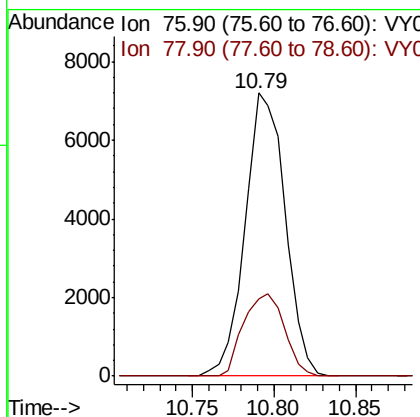
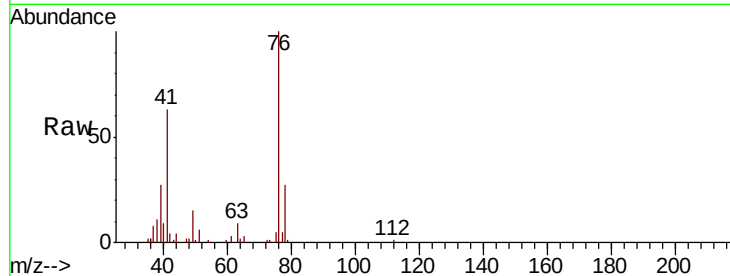
#57
 1,3-Dichloropropane
 Concen: 2.166 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
76	100		
78	29.5	26.0	39.0

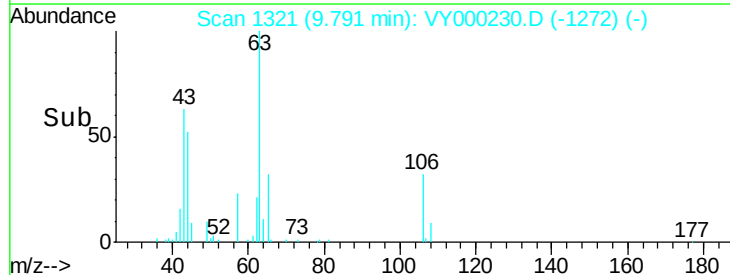
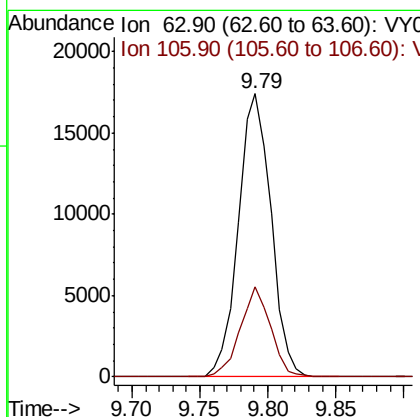
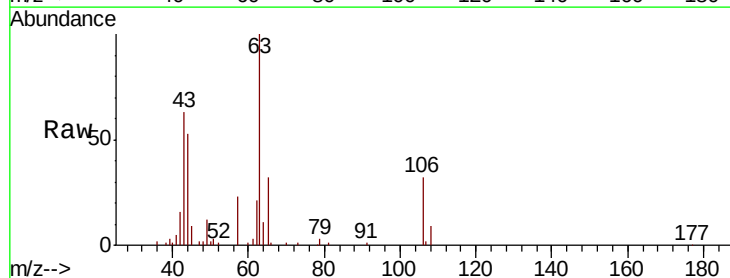
Manual Integrations
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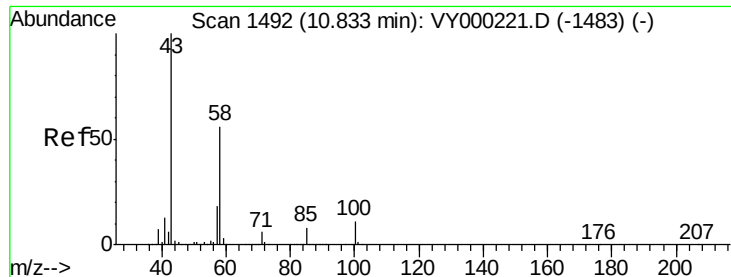
MMDadoda
 10/10/2019 12:52:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 11.178 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	22.6	33.8





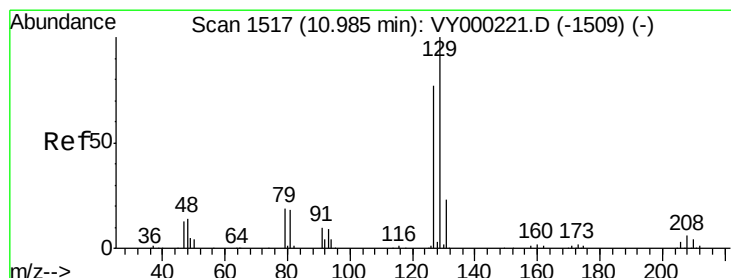
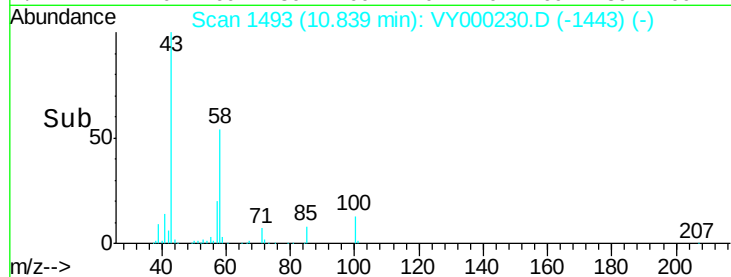
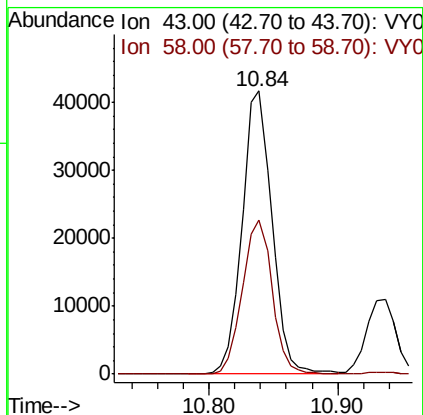
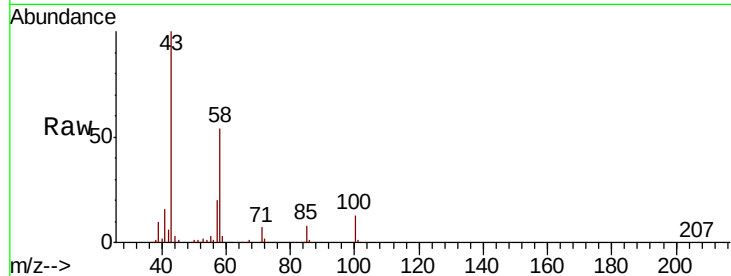
#59
2-Hexanone
Concen: 10.357 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	43	Resp	66727
Ion Ratio	100	Lower	Upper
43	100		
58	54.3	28.2	84.6

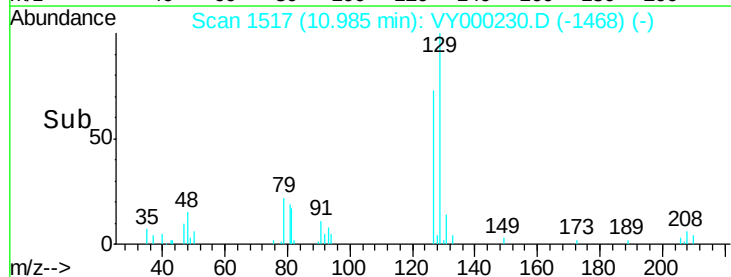
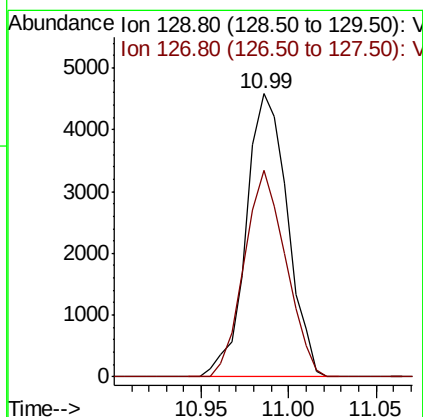
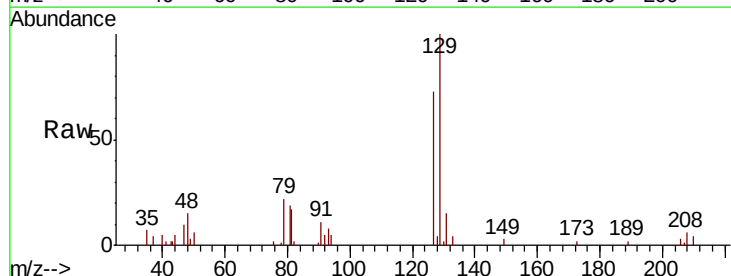
Manual Integrations
APPROVED

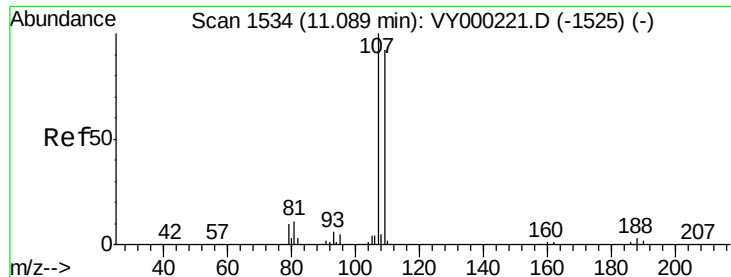
MMDadoda
10/10/2019 12:52:30 AM



#60
Dibromochloromethane
Concen: 2.135 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	129	Resp	7529
Ion Ratio	100	Lower	Upper
129	100		
127	73.7	39.1	117.2





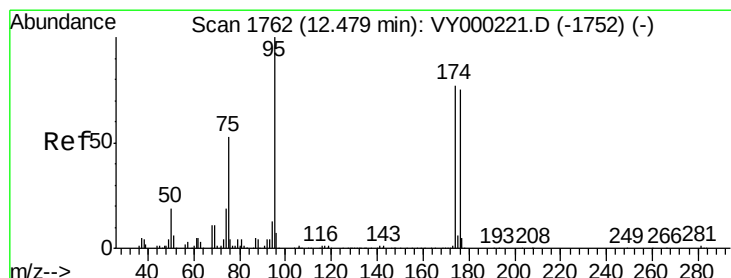
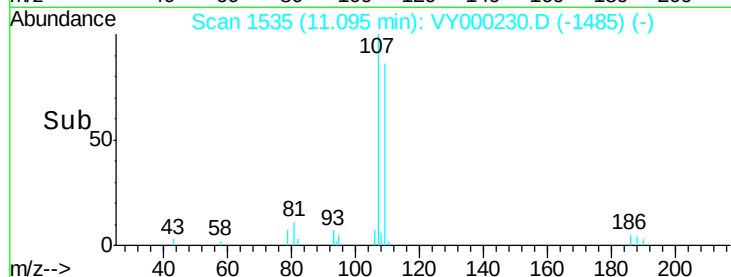
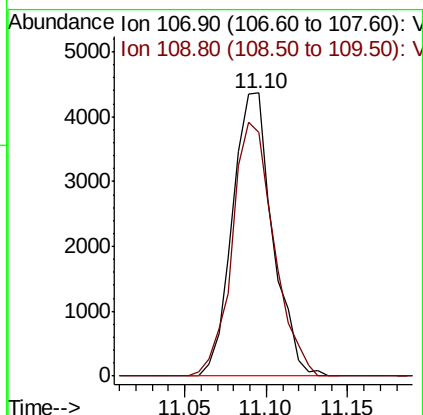
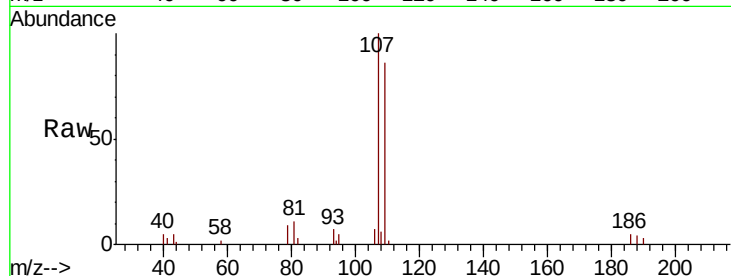
#61
 1,2-Dibromoethane
 Concen: 2.118 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.0	112.6

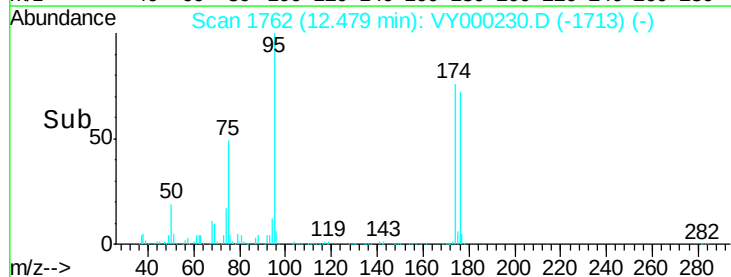
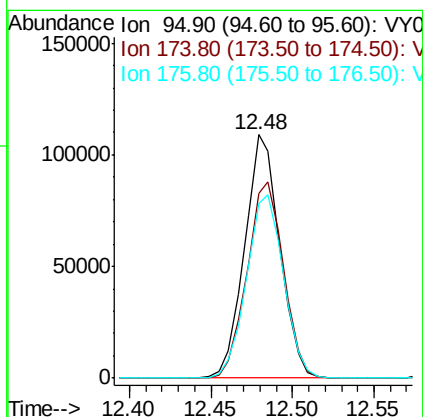
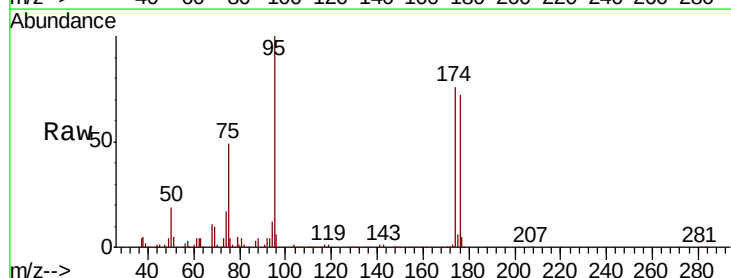
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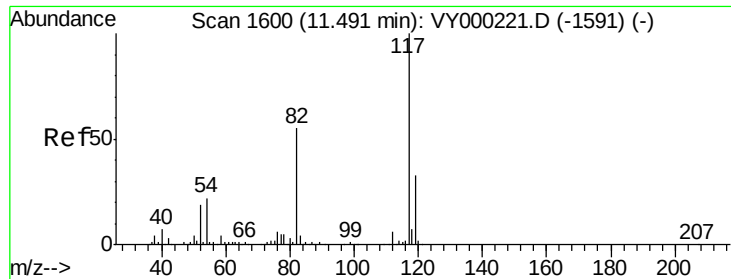
MMDadoda
 10/10/2019 12:52:30 AM



#62
 4-Bromofluorobenzene
 Concen: 44.255 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	157.0
176	79.5	0.0	153.0





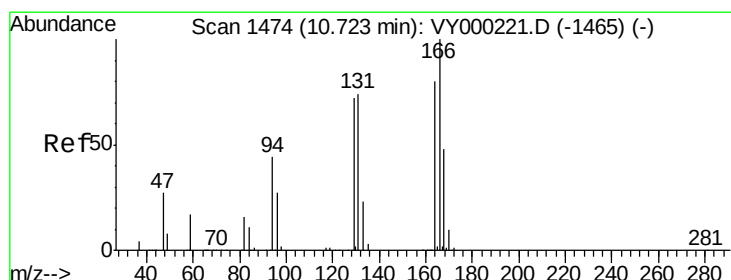
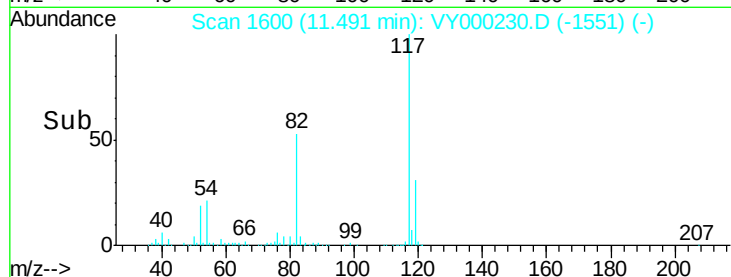
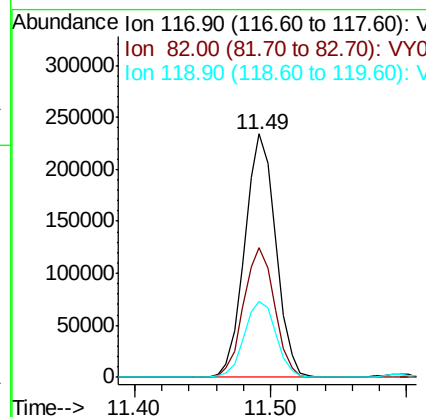
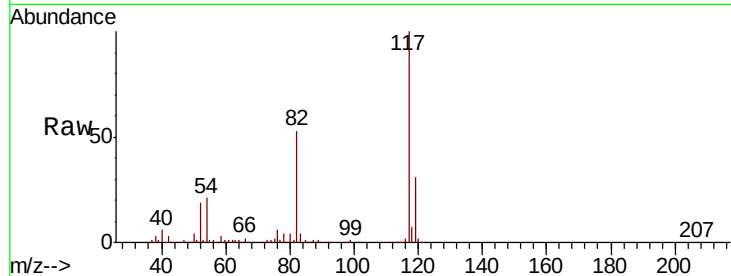
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	372814		
82	53.5		44.4	66.6
119	31.0		26.2	39.2

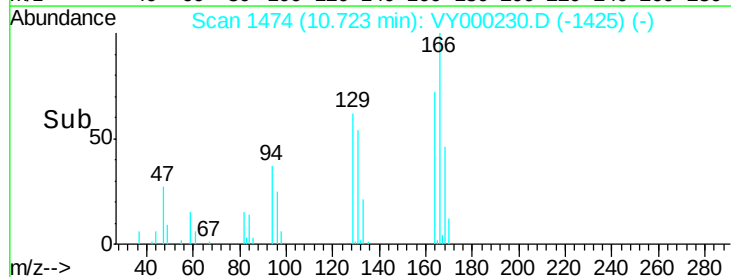
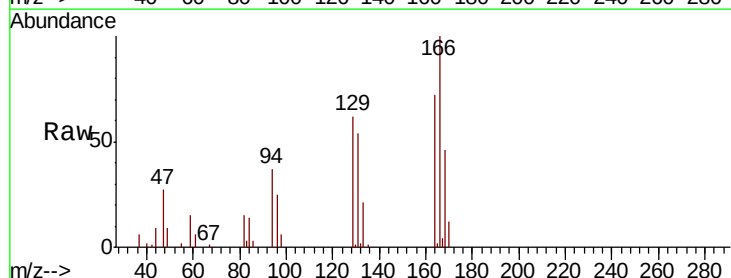
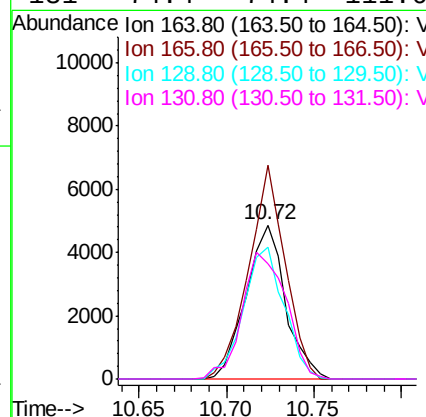
Manual Integrations
APPROVED

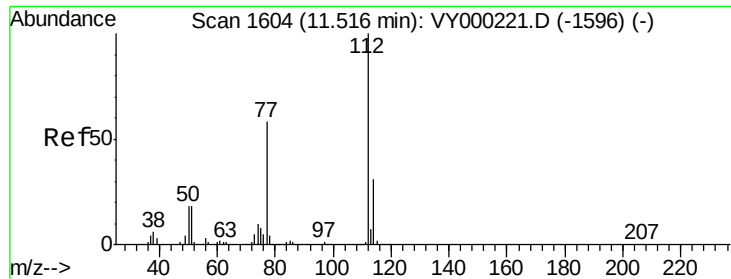
MMDadoda
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#64
Tetrachloroethene
Concen: 2.249 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	7665		
166	138.5		100.3	150.5
129	85.6		72.4	108.6
131	74.4		74.4	111.6





#65

Chlorobenzene

Concen: 2.137 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:112 Resp: 18464

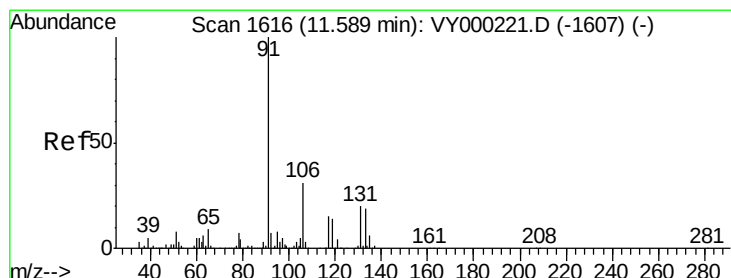
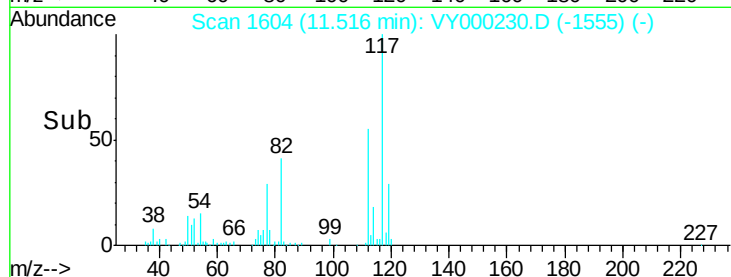
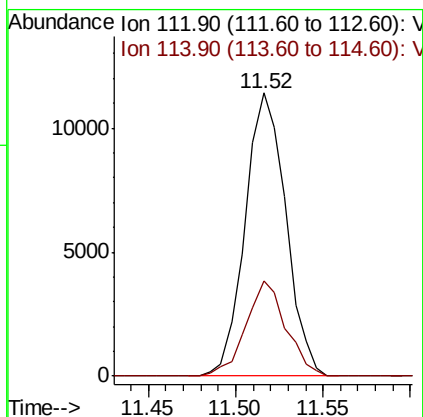
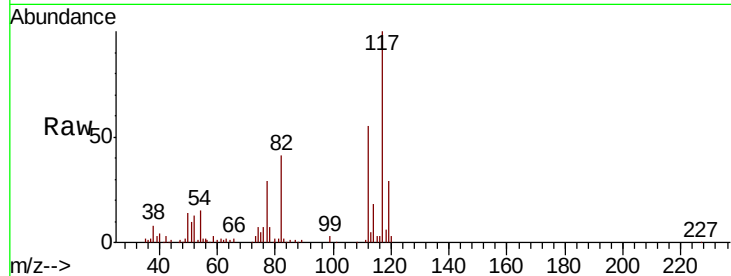
Ion Ratio Lower Upper

112 100

114 33.6 25.0 37.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 2.003 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

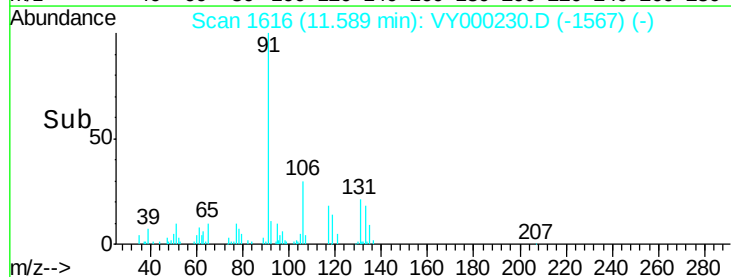
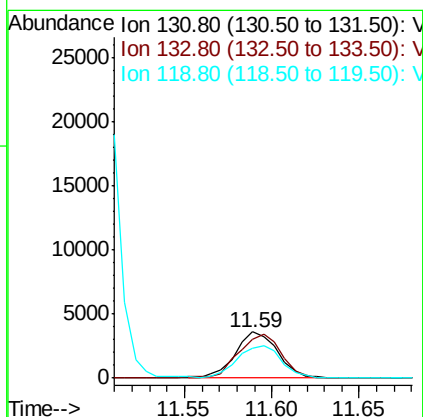
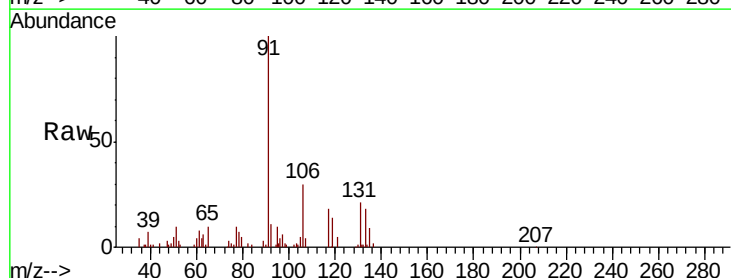
Tgt Ion:131 Resp: 6185

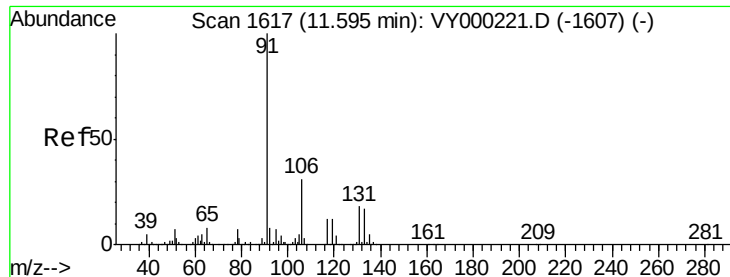
Ion Ratio Lower Upper

131 100

133 94.4 47.0 141.2

119 71.4 33.3 99.8





#67

Ethyl Benzene

Concen: 1.997 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 91 Resp: 30839

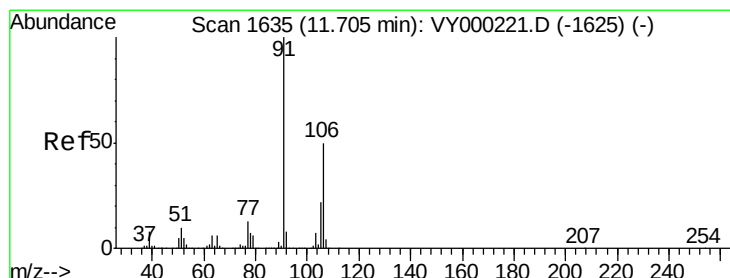
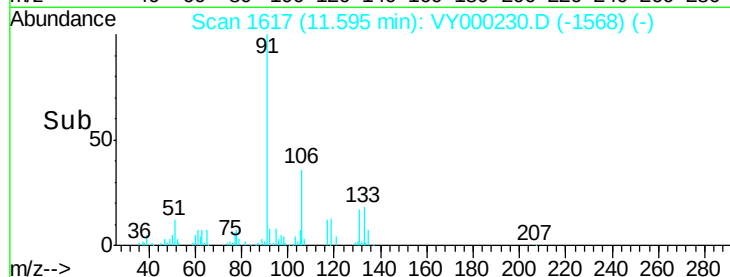
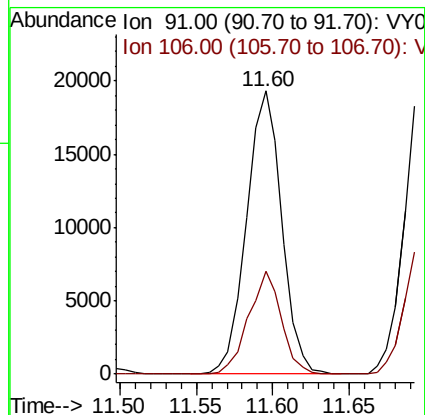
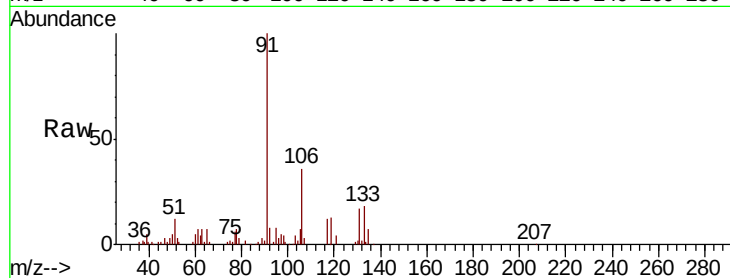
Ion Ratio Lower Upper

91 100

106 36.2 25.2 37.8

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#68

m/p-Xylenes

Concen: 3.947 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY000230.D

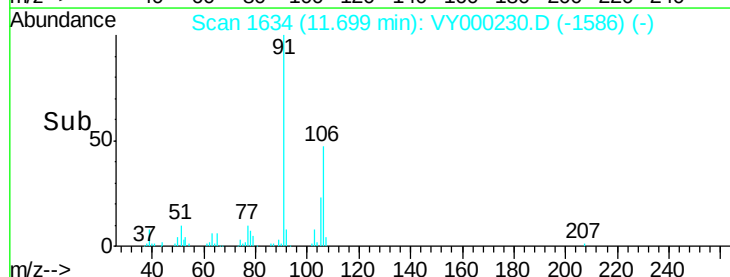
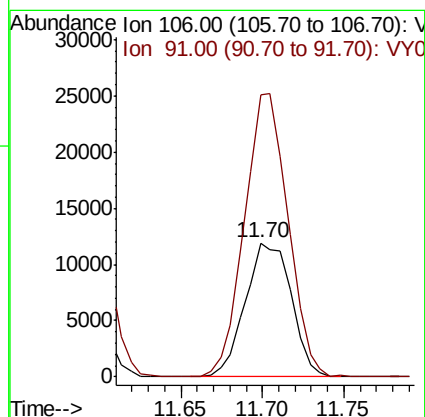
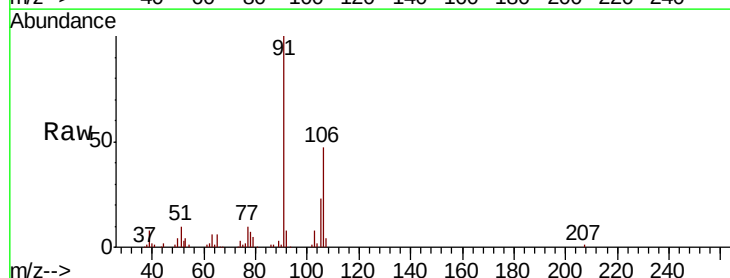
Acq: 08 Oct 2019 19:59

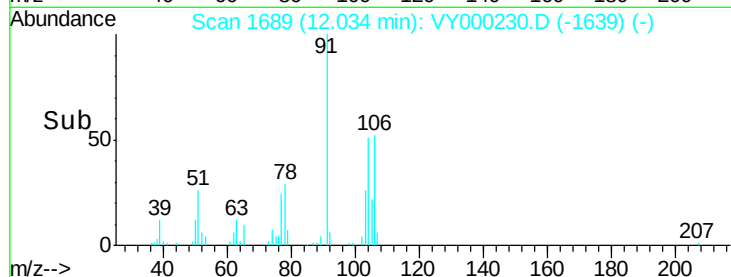
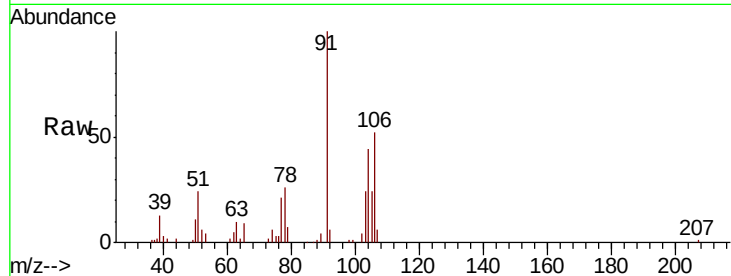
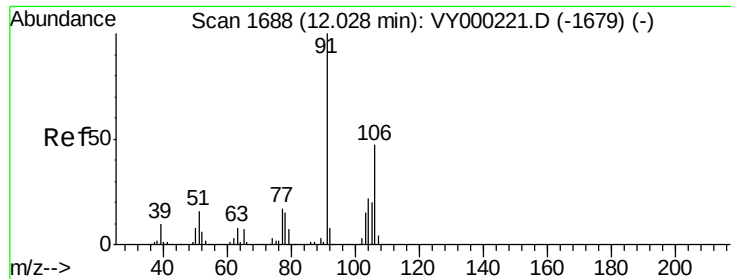
Tgt Ion: 106 Resp: 23258

Ion Ratio Lower Upper

106 100

91 201.0 159.9 239.9





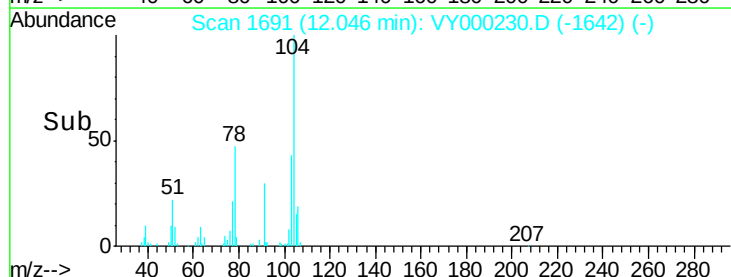
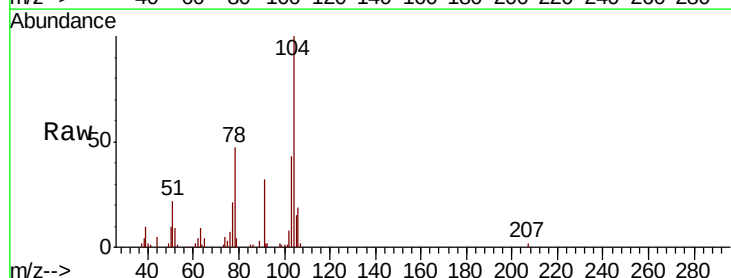
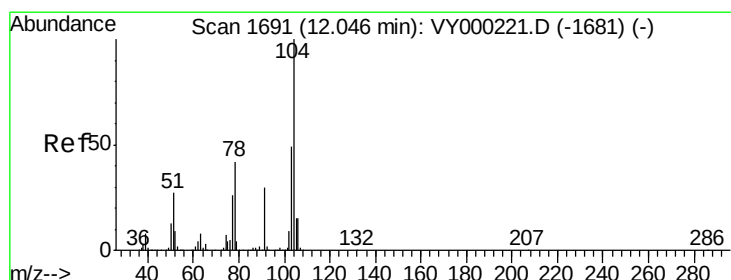
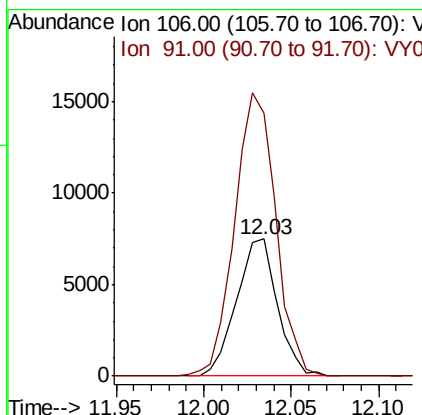
#69
o-Xylene
Concen: 2.145 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tot Ion:106 Resp: 12176
Ion Ratio Lower Upper
106 100
91 207.7 106.1 318.1

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

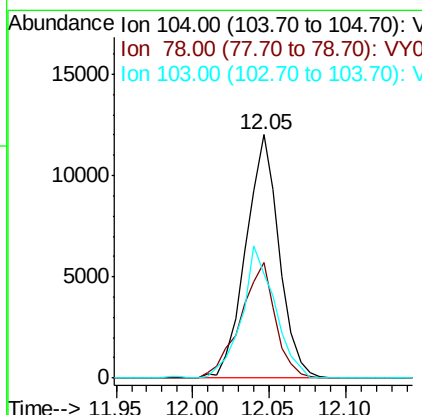
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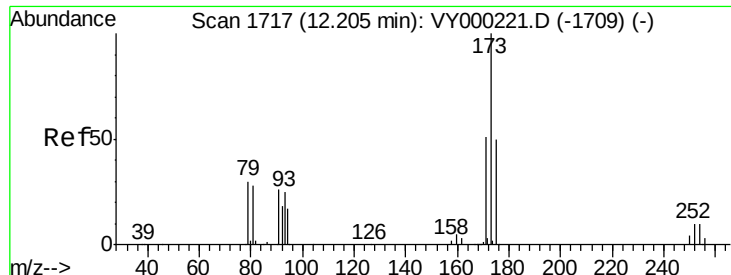
MMDadoda
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#70
Styrene
Concen: 1.852 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion:104 Resp: 18111
Ion Ratio Lower Upper
104 100
78 49.5 39.0 58.4
103 54.1 43.1 64.7





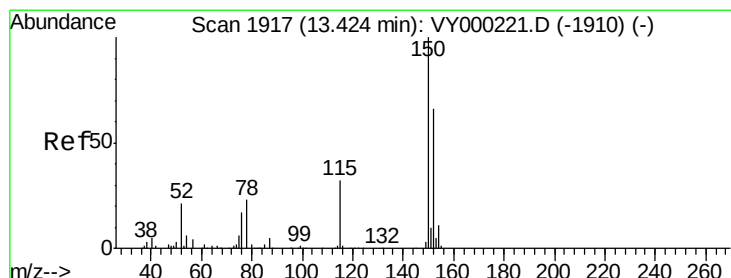
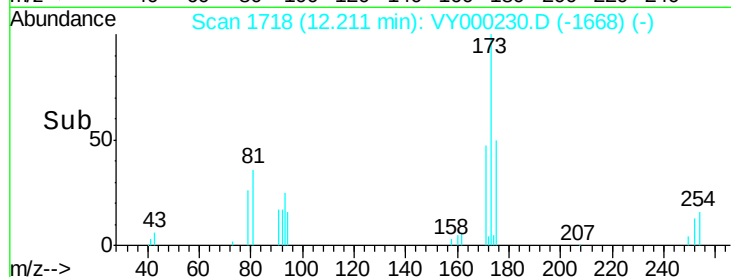
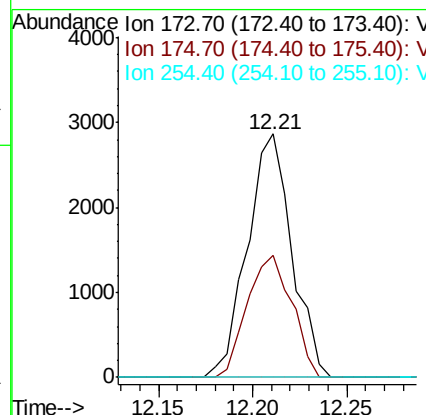
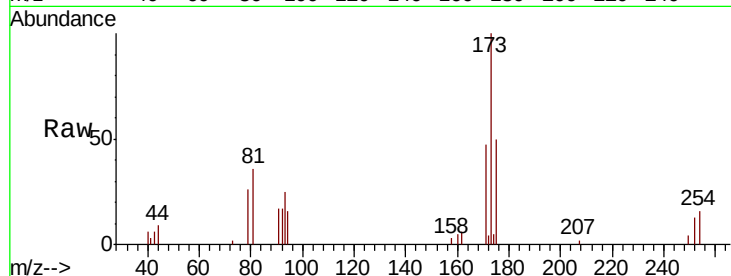
#71
Bromoform
Concen: 1.844 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.8	74.3
254	0.0	0.1	0.1#

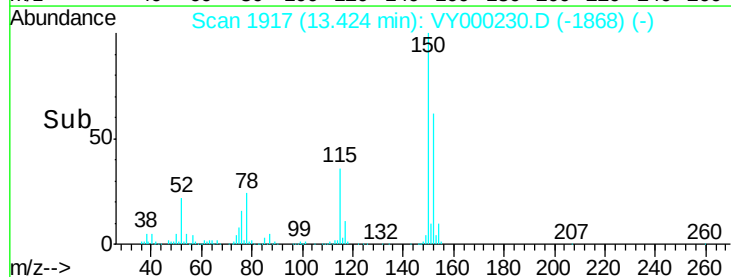
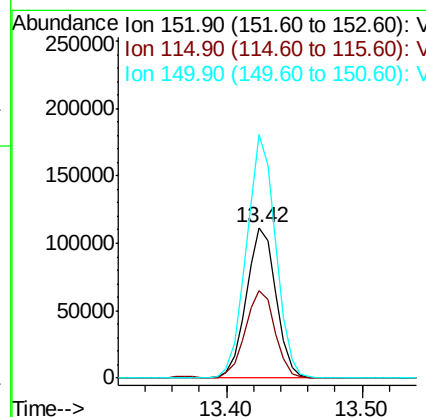
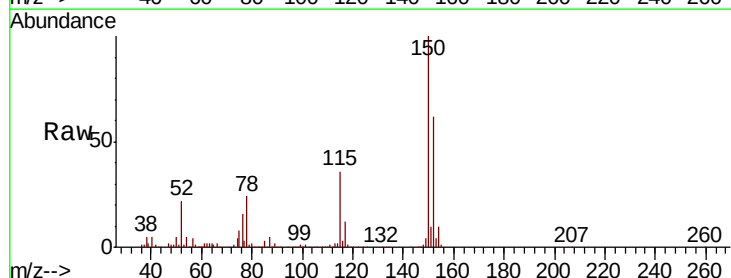
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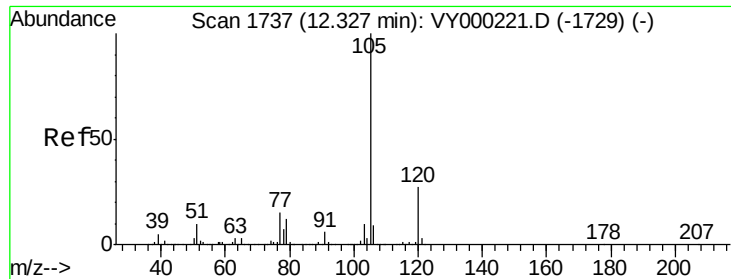
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.3	88.0
150	158.8	0.0	349.6





#73

Isopropylbenzene

Concen: 2.048 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.01 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 105 Resp: 29522

Ion Ratio Lower Upper

105 100

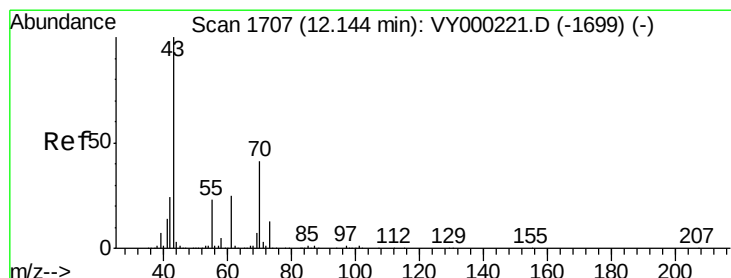
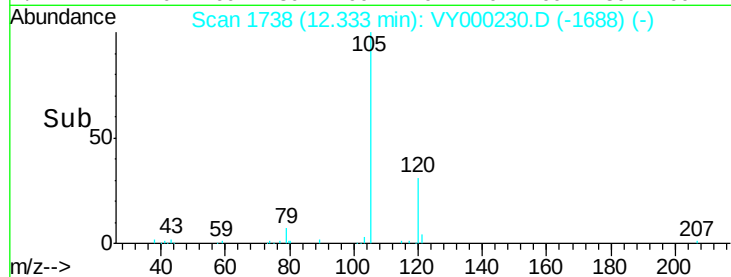
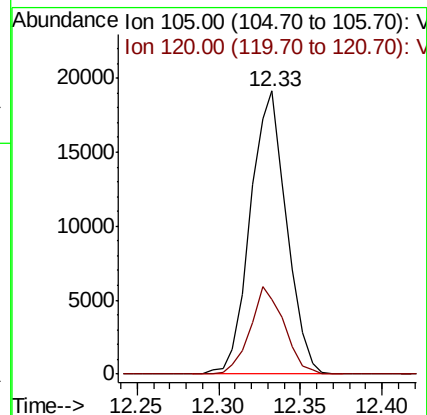
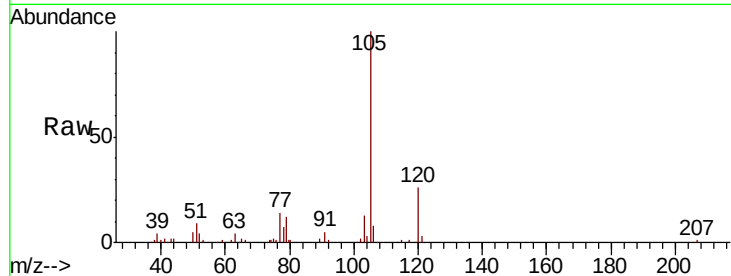
120 28.9 13.6 40.8

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#74

N-ethyl acetate

Concen: 1.726 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Tgt Ion: 43 Resp: 11846

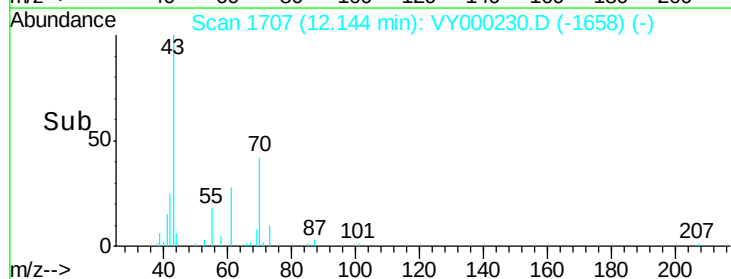
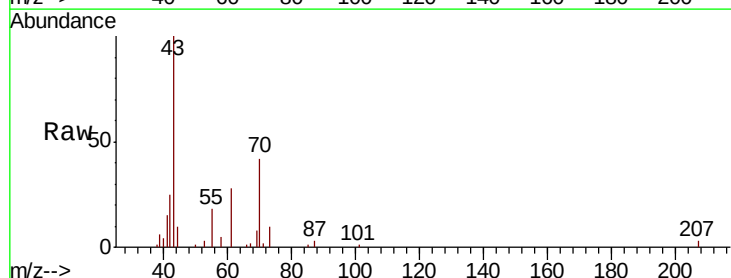
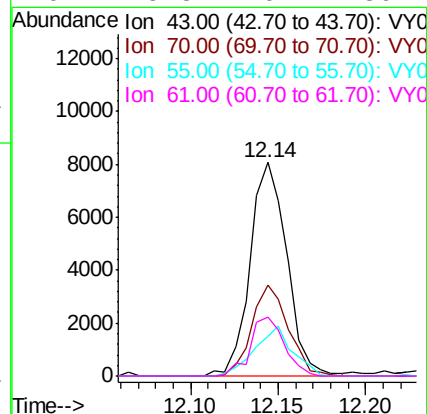
Ion Ratio Lower Upper

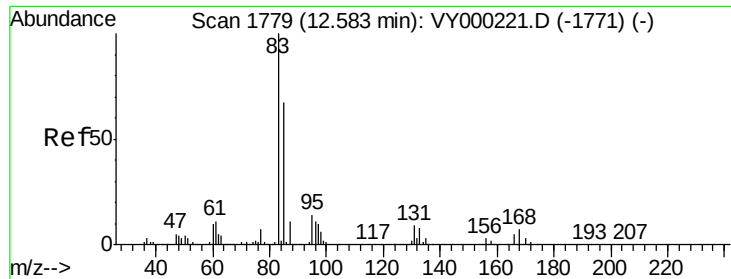
43 100

70 42.4 34.9 52.3

55 23.9 18.2 27.2

61 25.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.165 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

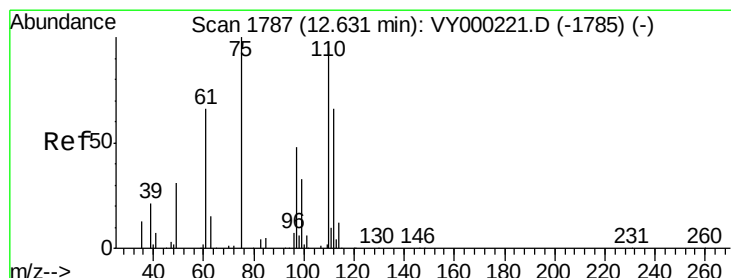
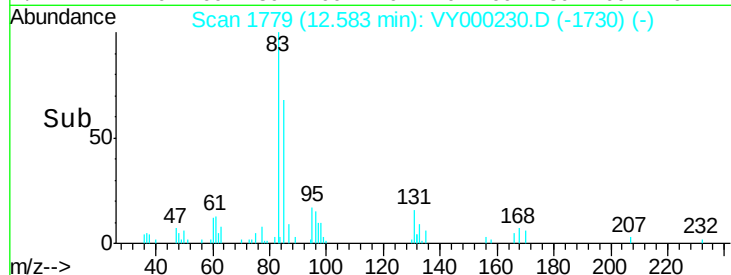
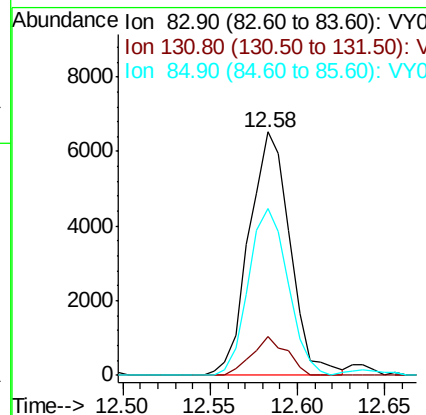
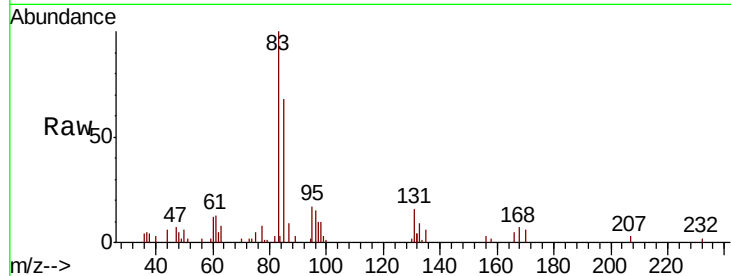
ClientSampleId :

2.5PPBMDL

Tot Ion:	83	Resp:	10651
Ion Ratio	Lower	Upper	
83	100		
131	13.3	4.8	14.3
85	65.8	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 2.510 ug/l m

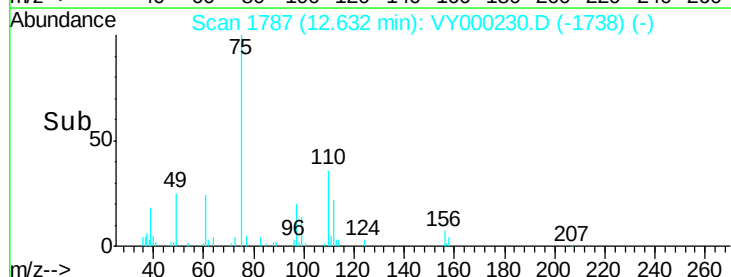
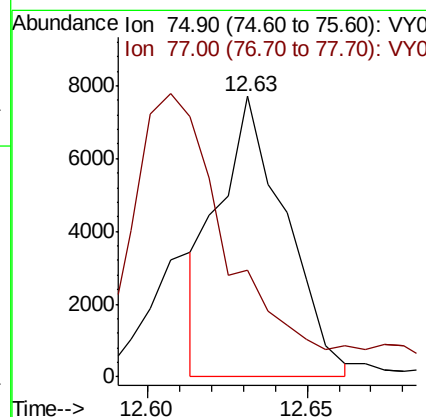
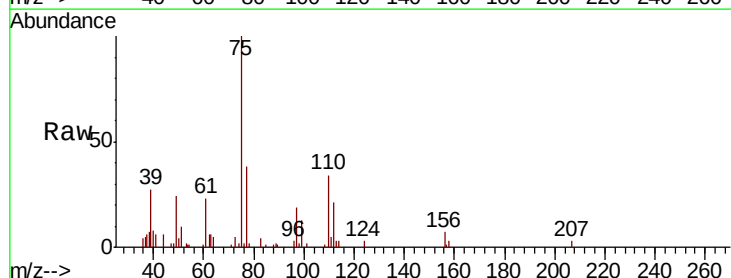
RT: 12.63 min Scan# 1787

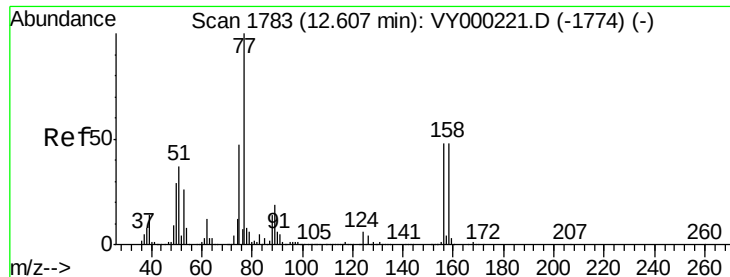
Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Tgt Ion:	75	Resp:	11274
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.328 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:156 Resp: 7870

Ion Ratio Lower Upper

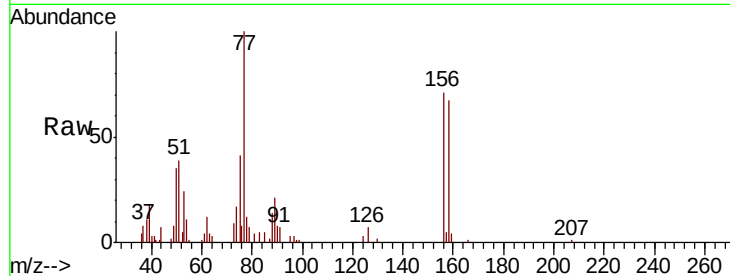
156 100

77 215.1 118.1 354.3

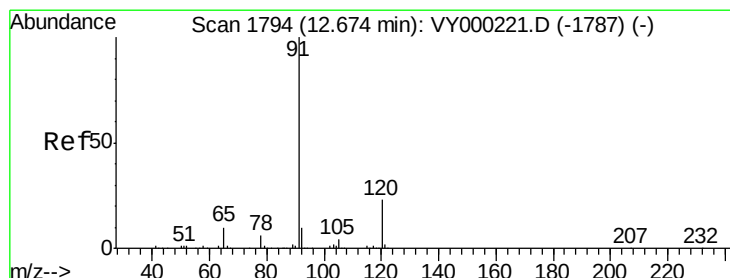
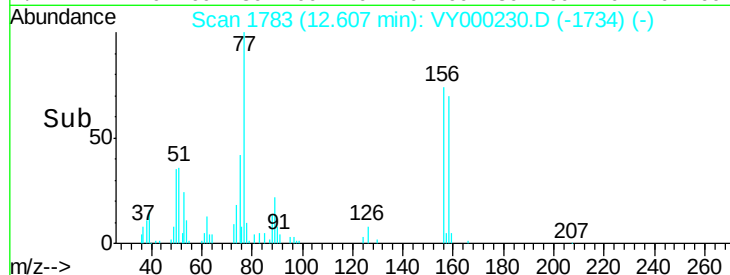
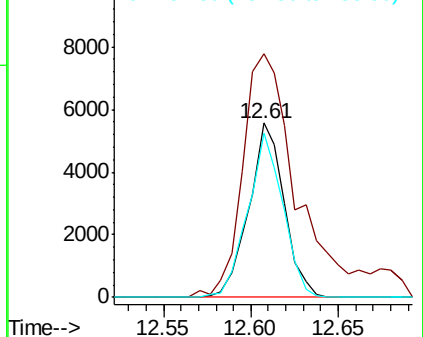
158 93.7 47.8 143.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.925 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000230.D

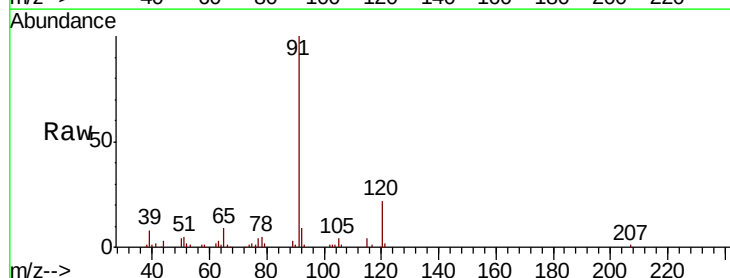
Acq: 08 Oct 2019 19:59

Tgt Ion: 91 Resp: 32405

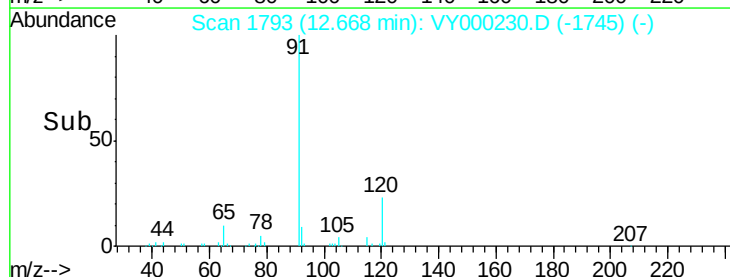
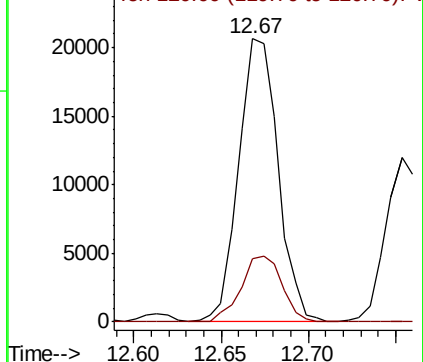
Ion Ratio Lower Upper

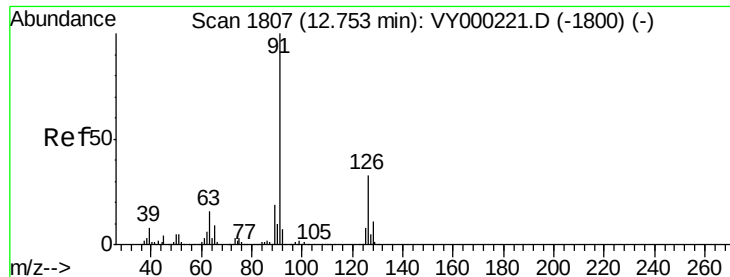
91 100

120 23.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.968 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion: 91 Resp: 19075

Ion Ratio Lower Upper

91 100

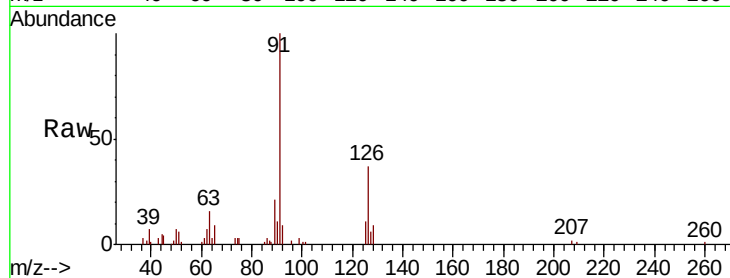
126 39.7 17.2 51.6

Manual Integrations

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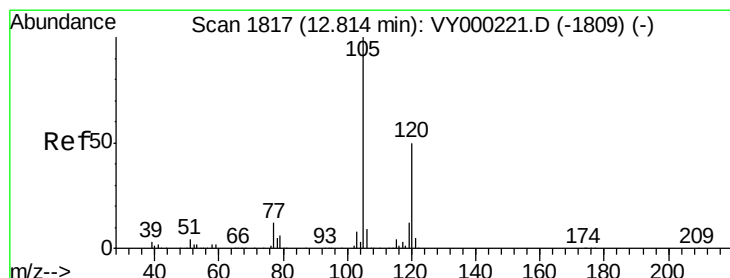
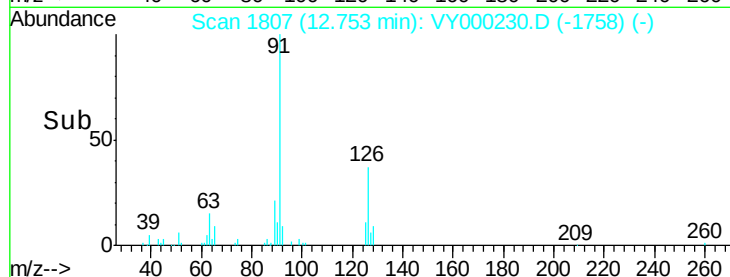
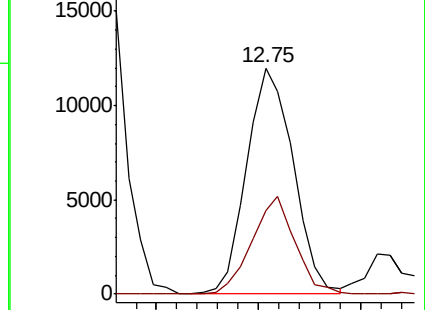
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Abundance Ion 91.00 (90.70 to 91.70): VY000230.D (-1758) (-)

Ion 125.90 (125.60 to 126.60): VY000230.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.059 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000230.D

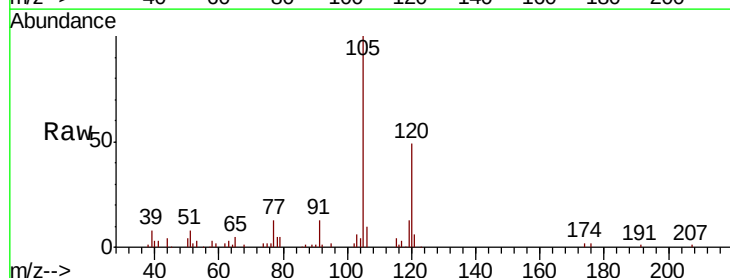
Acq: 08 Oct 2019 19:59

Tgt Ion: 105 Resp: 24764

Ion Ratio Lower Upper

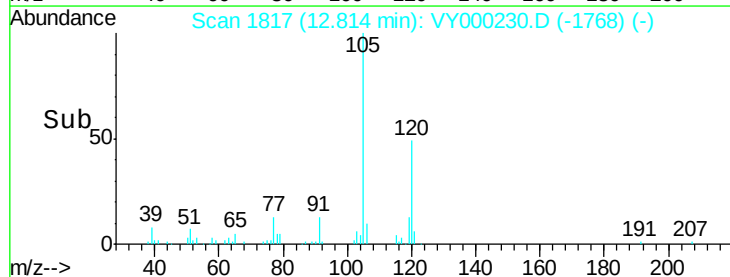
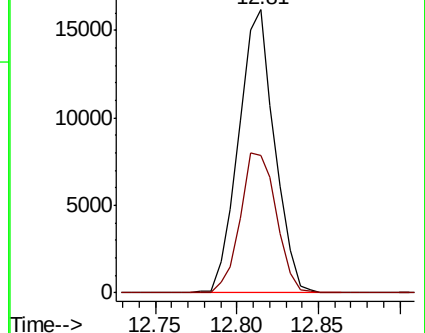
105 100

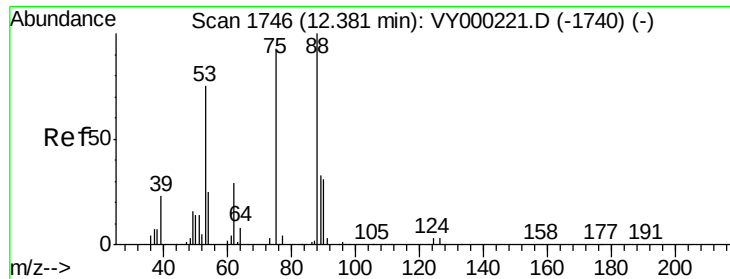
120 49.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VY000230.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY000230.D (-1768) (-)





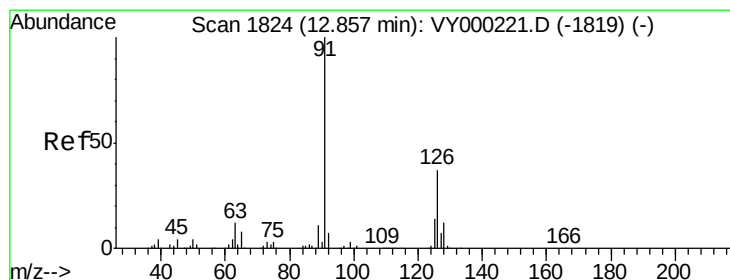
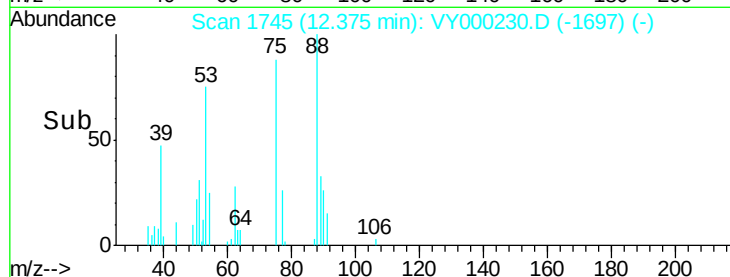
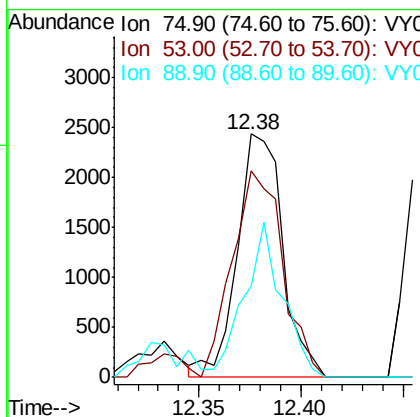
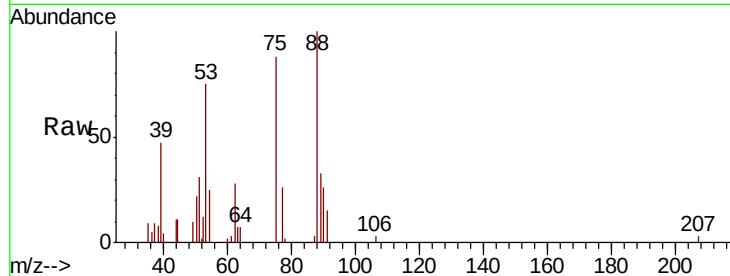
#81
trans-1,4-Dichloro-2-butene
Concen: 1.726 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.6	66.5	99.7
89	54.2	46.9	70.3

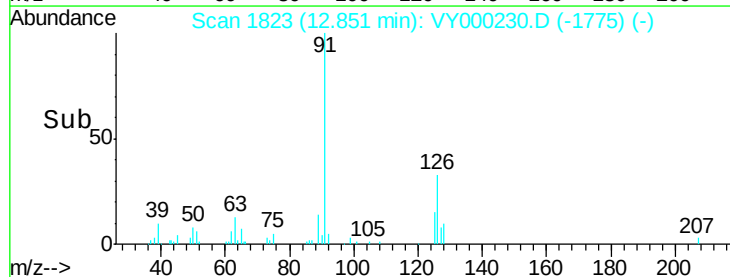
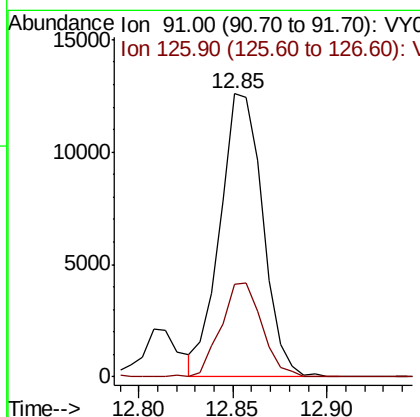
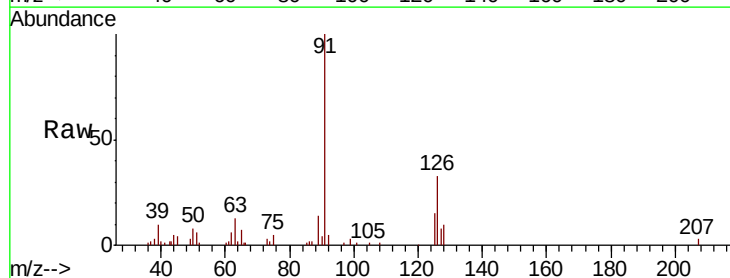
Manual Integrations
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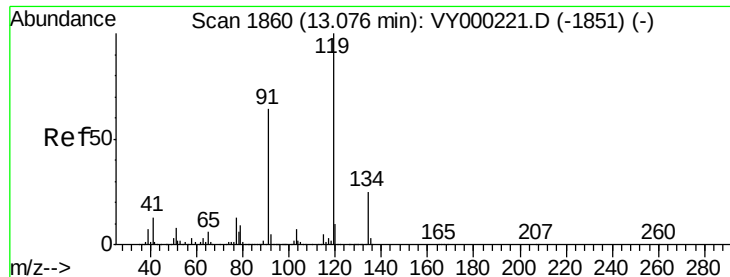
MMDadoda
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#82
4-Chlorotoluene
Concen: 2.017 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	17.3	52.0





#83

tert-Butylbenzene

Concen: 2.019 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

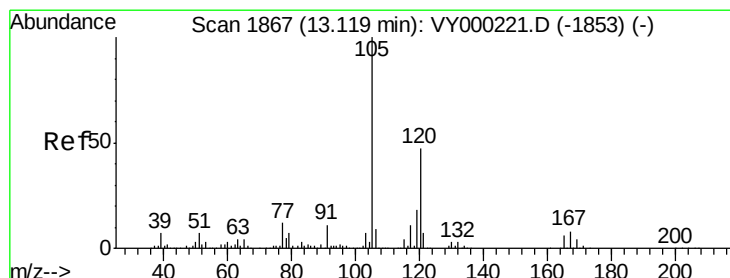
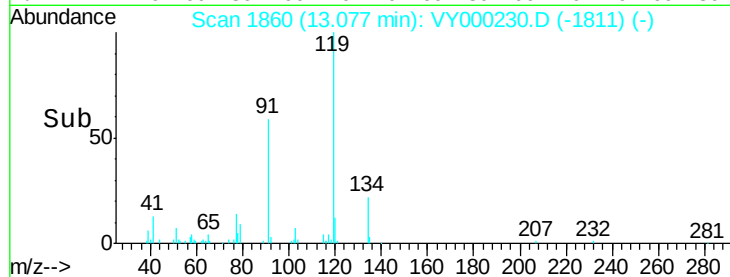
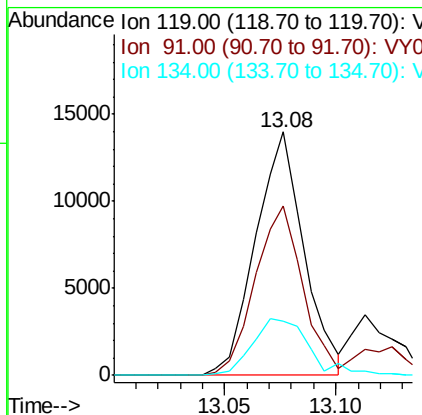
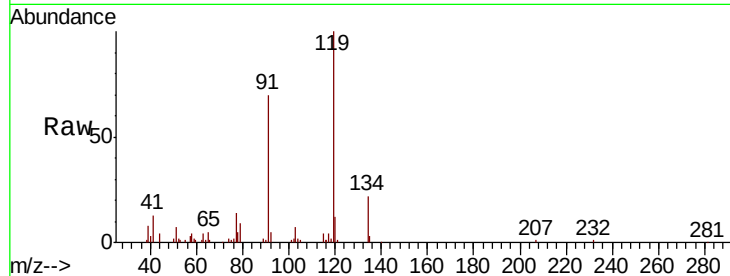
ClientSampleId :

2.5PPBMDL

Tot Ion:	119	Resp:	21109
Ion Ratio	Lower	Upper	
119	100		
91	68.5	32.4	97.2
134	27.6	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 2.009 ug/l

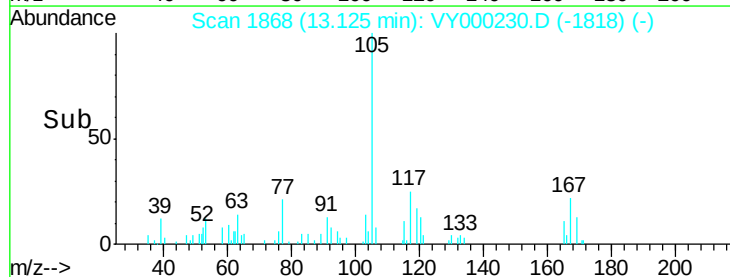
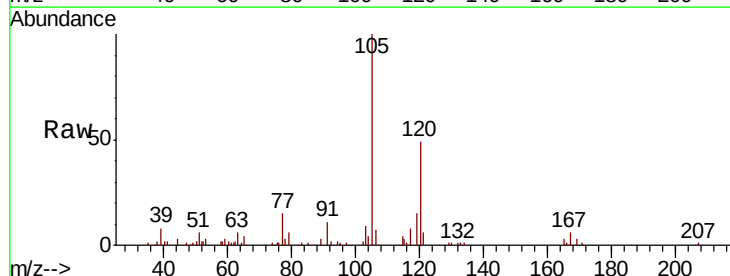
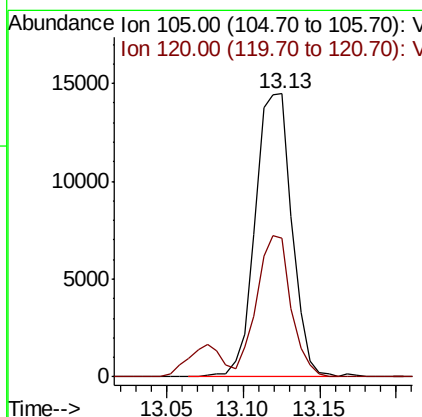
RT: 13.13 min Scan# 1868

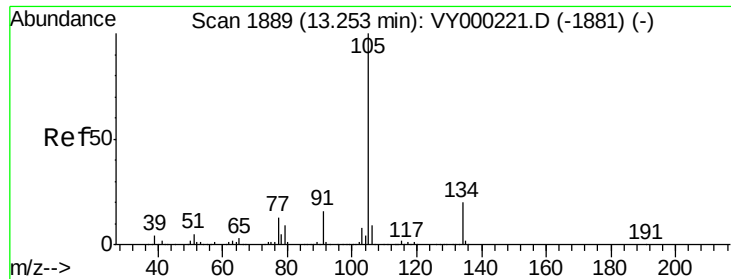
Delta R.T. 0.01 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Tgt Ion:	105	Resp:	24140
Ion Ratio	Lower	Upper	
105	100		
120	46.6	22.8	68.3





#85

sec-Butylbenzene

Concen: 1.953 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

Instrument :

MSVOA_Y

ClientSampleId :

2.5PPBMDL

Tot Ion:105 Resp: 28146

Ion Ratio Lower Upper

105 100

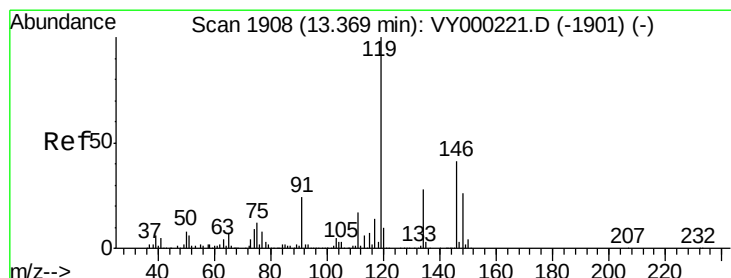
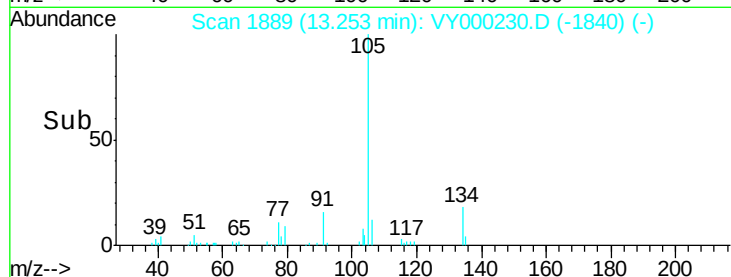
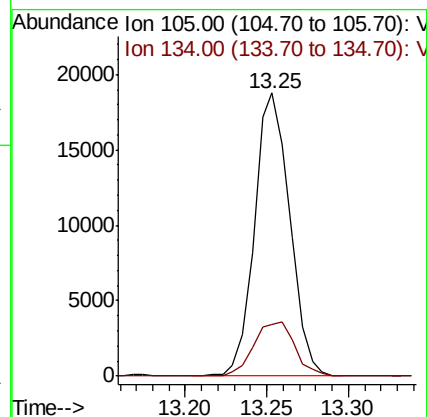
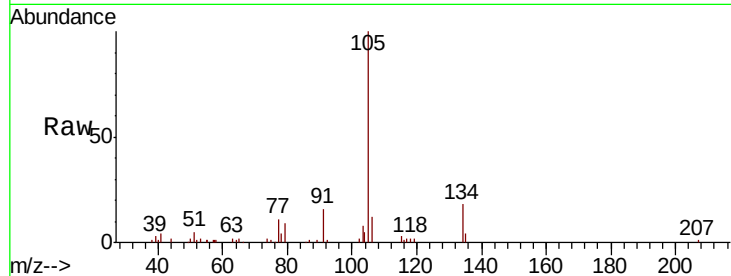
134 22.2 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 1.956 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000230.D

Acq: 08 Oct 2019 19:59

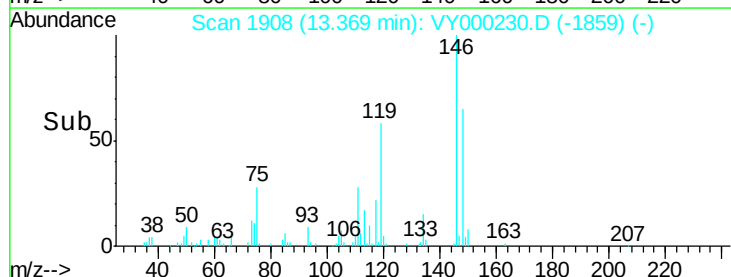
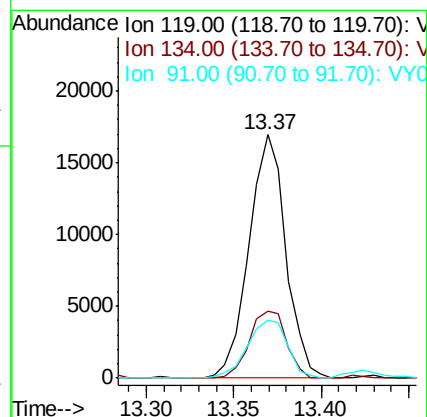
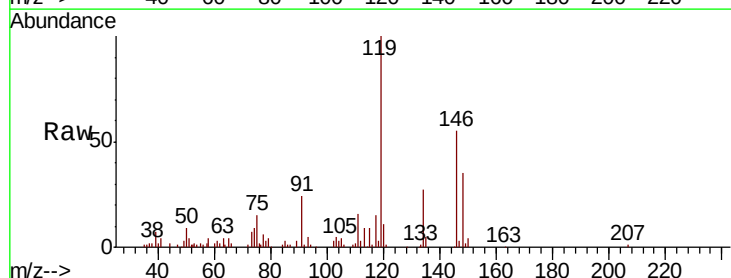
Tgt Ion:119 Resp: 24781

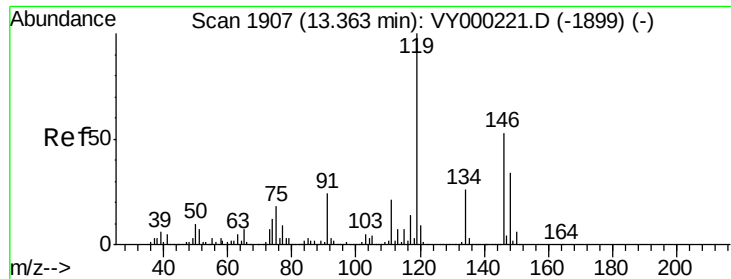
Ion Ratio Lower Upper

119 100

134 27.7 13.3 39.9

91 26.0 11.7 35.1





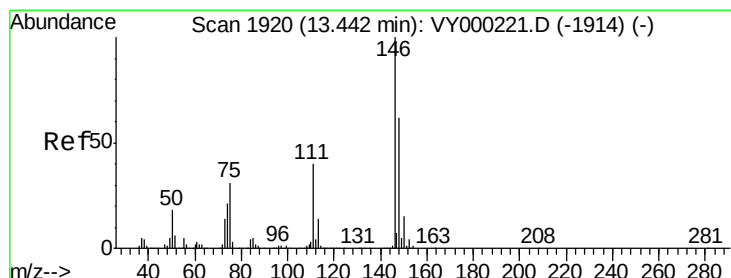
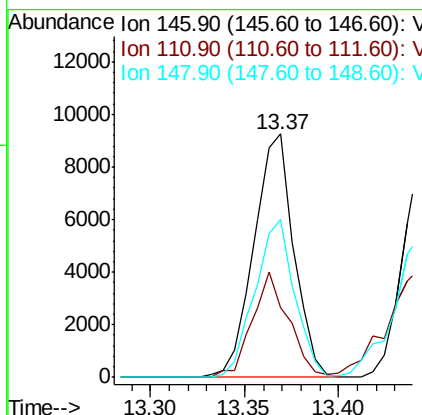
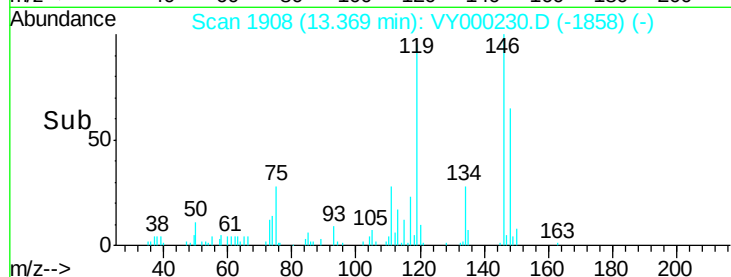
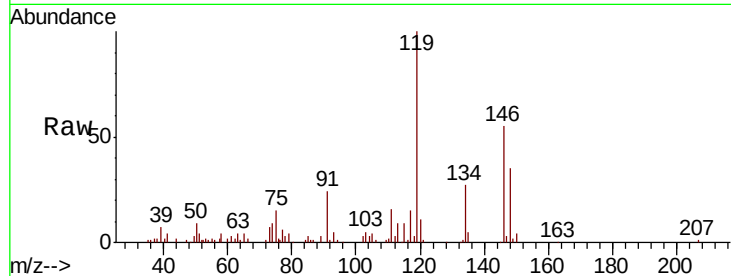
#87
 1,3-Dichlorobenzene
 Concen: 2.216 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	60.8
148	64.8	31.7	95.1

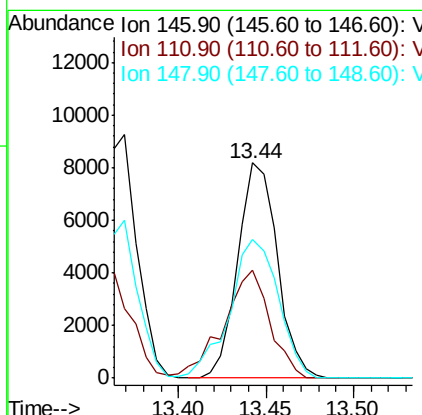
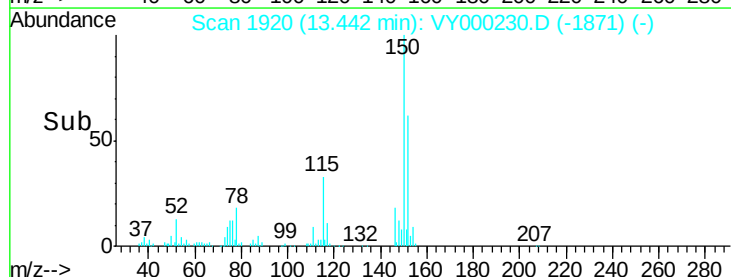
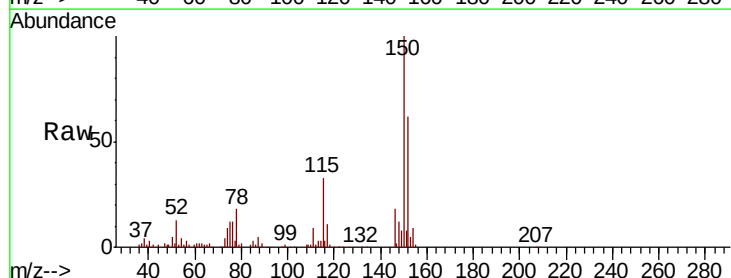
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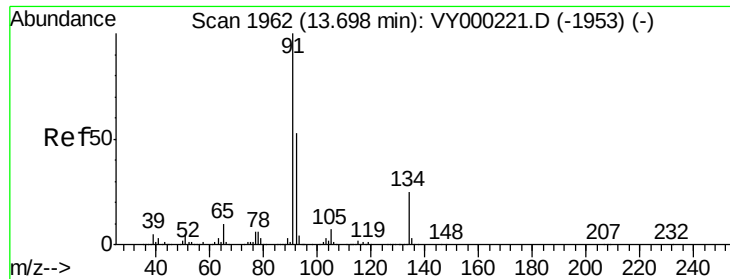
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 10/10/2019 12:52:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 2.015 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	58.6	19.8	59.3
148	79.7	31.6	94.8





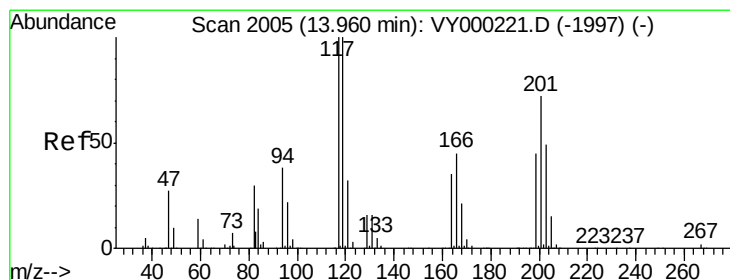
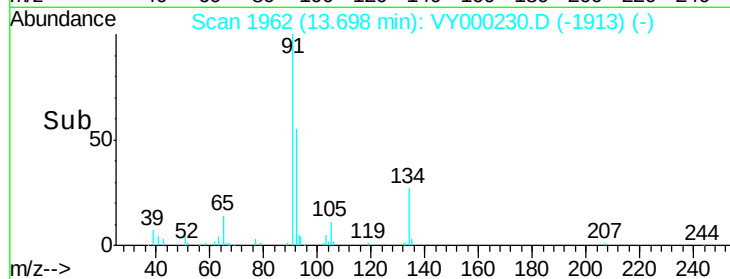
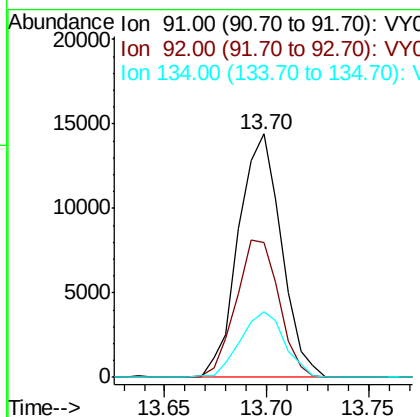
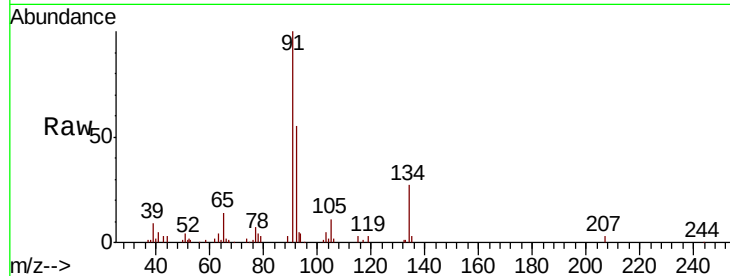
#89
n-Butylbenzene
Concen: 1.763 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.5	27.0	80.8
134	27.9	12.8	38.4

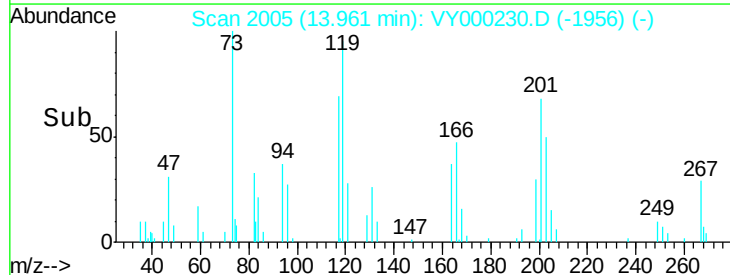
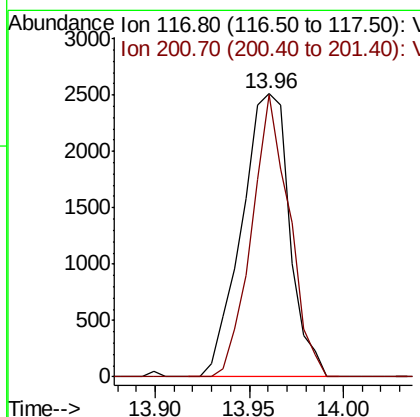
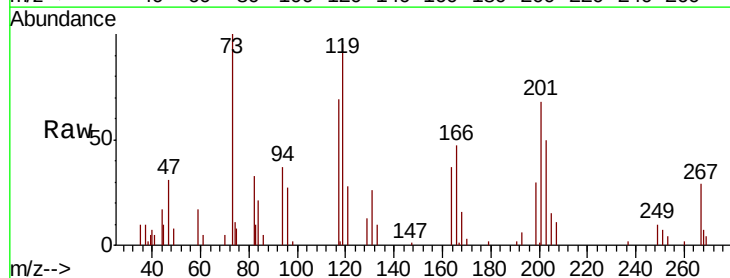
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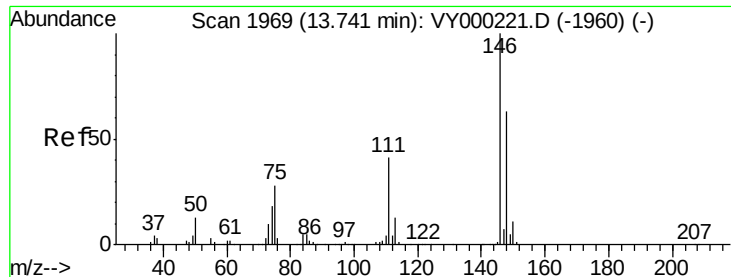
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#90
Hexachloroethane
Concen: 1.851 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	35.5	106.5





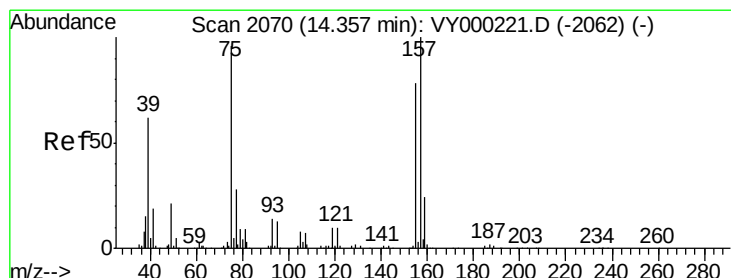
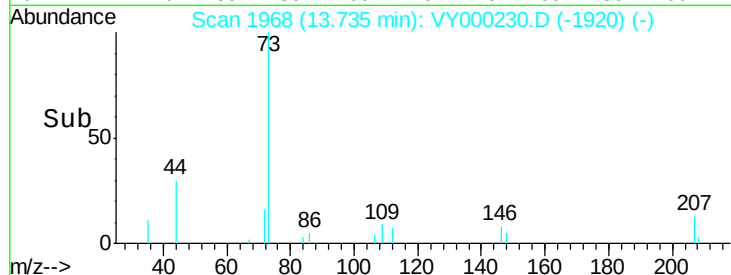
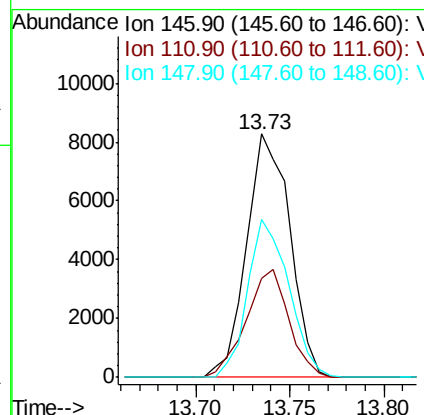
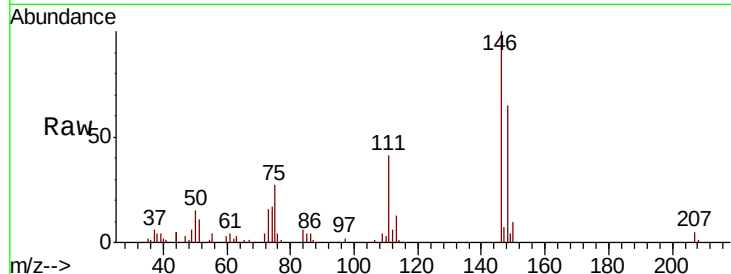
#91
 1,2-Dichlorobenzene
 Concen: 2.124 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.8
148	62.0	31.6	95.0

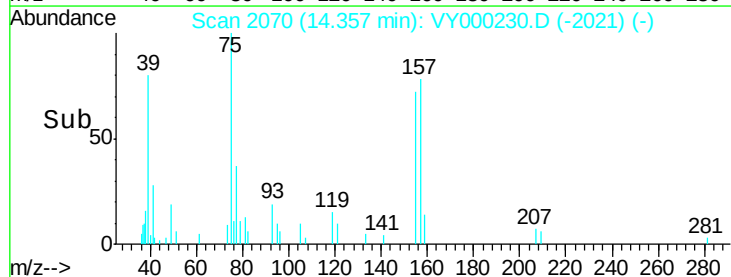
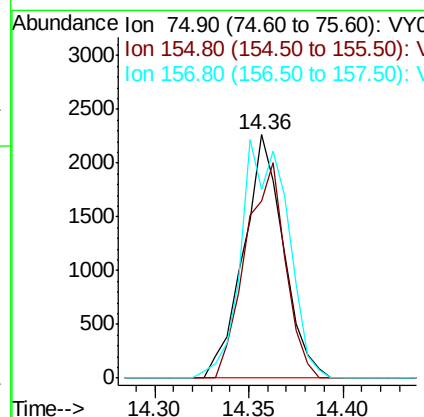
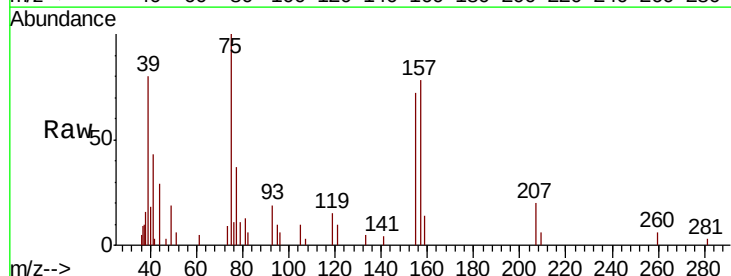
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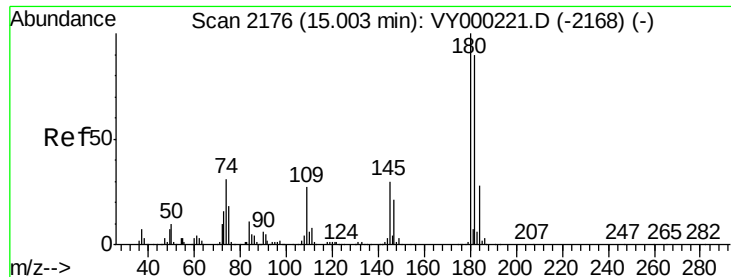
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 10/10/2019 12:52:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.172 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000230.D
 Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	42.4	127.3
157	113.5	53.8	161.5





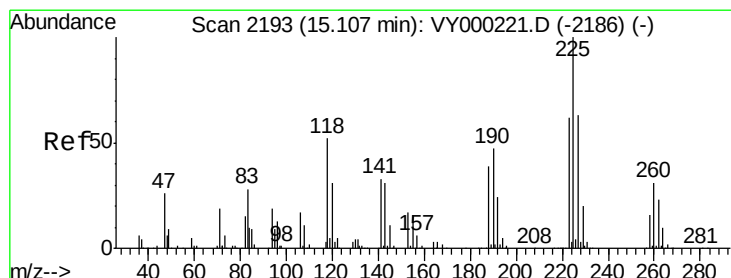
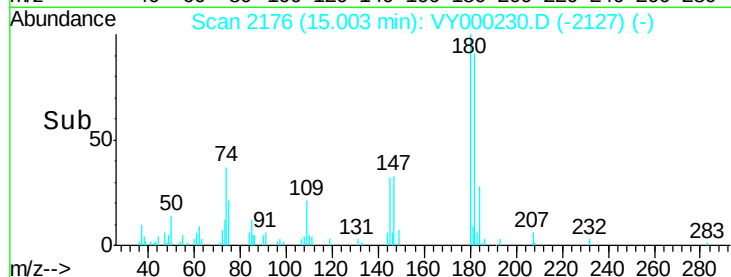
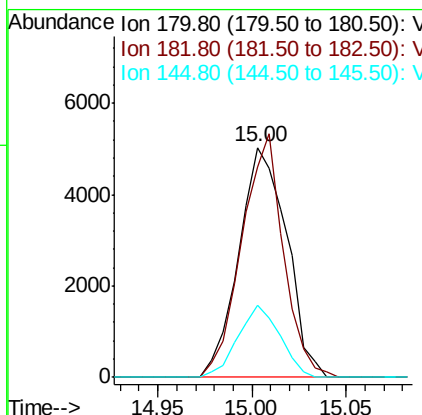
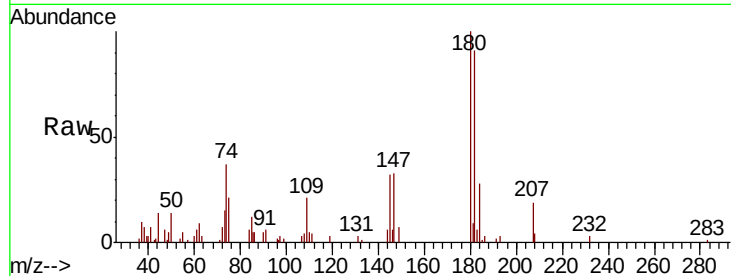
#93
1,2,4-Trichlorobenzene
Concen: 2.103 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.2	141.6
145	27.6	15.3	45.8

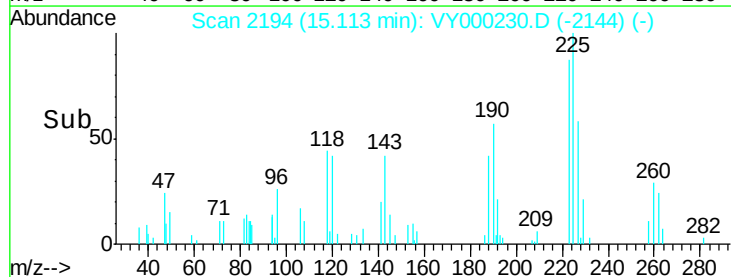
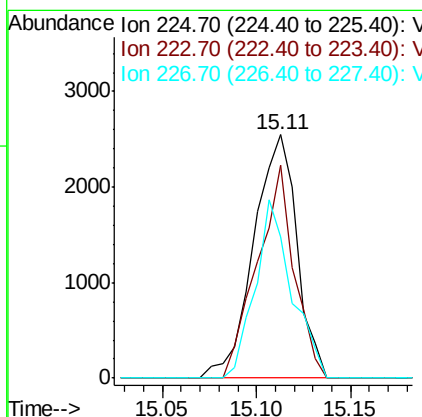
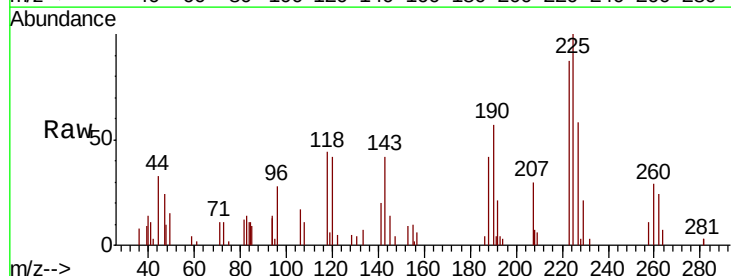
Manual Integrations
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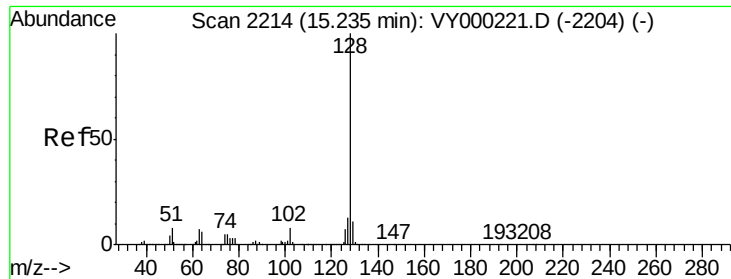
MMDadoda
10/10/2019 12:52:30 AM



#94
Hexachlorobutadiene
Concen: 2.012 ug/l
RT: 15.11 min Scan# 2194
Delta R.T. 0.01 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	74.7	31.9	95.5
227	62.1	31.5	94.5





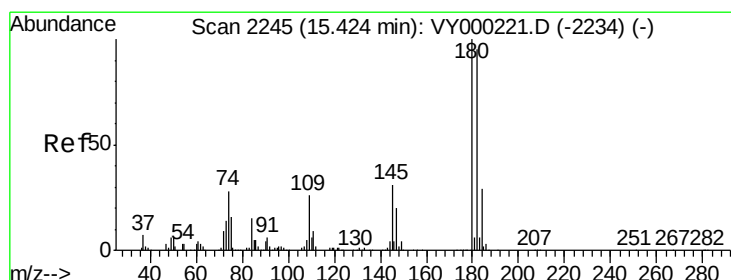
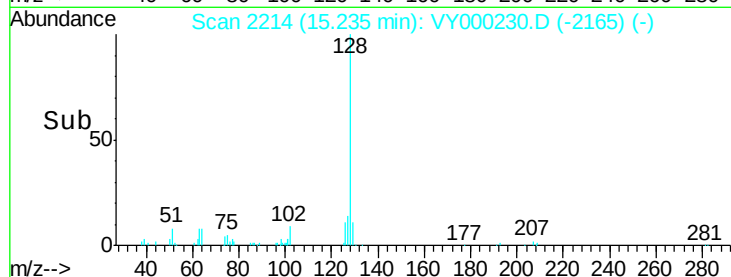
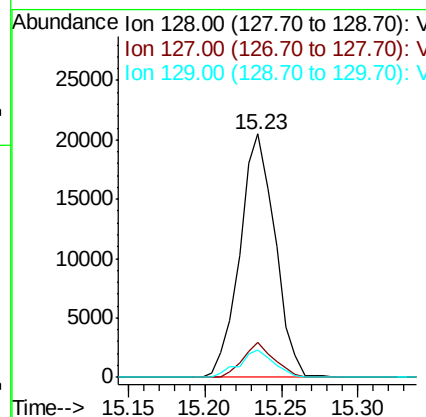
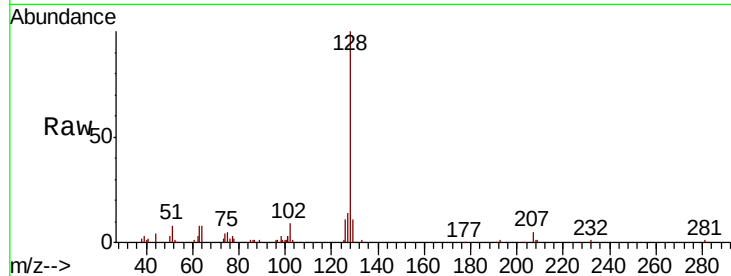
#95
Naphthalene
Concen: 2.067 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Instrument :
MSVOA_Y
ClientSampleId :
2.5PPBMDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/10/2019 12:52:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 2.115 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000230.D
Acq: 08 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.9	143.7
145	39.0	16.3	48.9

