

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000243.D
 Acq On : 09 Oct 2019 15:07
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:40:41 AM

Quant Time: Oct 10 02:16:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 02:06:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	282977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	461989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	397783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	187164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	177873	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.73	113	137174	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	10.19	98	525408	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
62) 4-Bromofluorobenzene	12.49	95	180968	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	1403	0.497 ug/l	98
3) Chloromethane	2.11	50	2255	0.586 ug/l	93
4) Vinyl Chloride	2.26	62	1595	0.402 ug/l	92
5) Bromomethane	2.66	94	1630	0.650 ug/l #	59
6) Chloroethane	2.80	64	1294	0.516 ug/l	93
7) Trichlorofluoromethane	3.13	101	2303	0.449 ug/l #	74
8) Diethyl Ether	3.54	74	920	0.392 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	1572m	0.525 ug/l	
10) Methyl Iodide	4.11	142	1306	0.295 ug/l #	90
11) Tert butyl alcohol	4.95	59	9781	4.947 ug/l #	73
12) 1,1-Dichloroethene	3.89	96	1417	0.455 ug/l #	56
13) Acrolein	3.75	56	3003	2.893 ug/l	98
14) Allyl chloride	4.49	41	2271	0.433 ug/l	87
15) Acrylonitrile	5.17	53	8302	2.379 ug/l #	34
16) Acetone	3.96	43	7791	2.703 ug/l	99
17) Carbon Disulfide	4.19	76	4339	0.473 ug/l #	92
18) Methyl Acetate	4.48	43	3792m	0.480 ug/l	
19) Methyl tert-butyl Ether	5.24	73	5229m	0.459 ug/l	
20) Methylene Chloride	4.74	84	2350m	0.621 ug/l	
21) trans-1,2-Dichloroethene	5.22	96	1581	0.452 ug/l #	57
22) Diisopropyl ether	6.14	45	5470	0.450 ug/l #	83
23) Vinyl Acetate	6.08	43	22162	2.015 ug/l #	91
24) 1,1-Dichloroethane	6.03	63	3102	0.501 ug/l #	89
25) 2-Butanone	7.01	43	12660	2.374 ug/l #	83
26) 2,2-Dichloropropane	7.00	77	3561	0.637 ug/l	81
27) cis-1,2-Dichloroethene	7.01	96	2102	0.510 ug/l	85
28) Bromochloromethane	7.36	49	1277	0.626 ug/l #	66
29) Tetrahydrofuran	7.37	42	8394	2.229 ug/l	93
30) Chloroform	7.53	83	3374	0.525 ug/l #	73
31) Cyclohexane	7.80	56	8212	1.312 ug/l #	1
32) 1,1,1-Trichloroethane	7.71	97	2687	0.492 ug/l #	47
36) 1,1-Dichloropropene	7.93	75	2473	0.526 ug/l	99
37) Ethyl Acetate	7.08	43	3998	0.470 ug/l #	95
38) Carbon Tetrachloride	7.91	117	2370	0.517 ug/l #	56

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

39) Methylcyclohexane	9.19	83	2353	0.399	ug/l #	85
40) Benzene	8.18	78	6448	0.452	ug/l	99
41) Methacrylonitrile	7.36	41	3280m	0.490	ug/l	
42) 1,2-Dichloroethane	8.25	62	2859	0.617	ug/l	86
43) Isopropyl Acetate	8.29	43	5392	0.493	ug/l #	91
44) Trichloroethene	8.96	130	1918	0.496	ug/l	98
45) 1,2-Dichloropropane	9.23	63	1477	0.414	ug/l	98
46) Dibromomethane	9.32	93	1306	0.522	ug/l #	85
47) Bromodichloromethane	9.50	83	2402	0.490	ug/l #	84
48) Methyl methacrylate	9.30	41	2101	0.426	ug/l #	85
49) 1,4-Dioxane	9.32	88	1133	8.940	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	18482	2.248	ug/l	100
52) Toluene	10.25	92	3915	0.428	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	3144	0.566	ug/l #	83
54) cis-1,3-Dichloropropene	9.94	75	2781	0.463	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	1712	0.475	ug/l #	76
56) Ethyl methacrylate	10.52	69	2689	0.424	ug/l	91
57) 1,3-Dichloropropane	10.80	76	2879	0.468	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	6834	2.415	ug/l	95
59) 2-Hexanone	10.84	43	14255	2.046	ug/l	100
60) Dibromochloromethane	10.99	129	1486	0.390	ug/l	76
61) 1,2-Dibromoethane	11.09	107	2234	0.583	ug/l	88
64) Tetrachloroethene	10.72	164	2049	0.564	ug/l #	87
65) Chlorobenzene	11.52	112	4110	0.446	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.59	131	1695	0.514	ug/l #	65
67) Ethyl Benzene	11.60	91	7923	0.481	ug/l	99
68) m/p-Xylenes	11.70	106	6159	0.980	ug/l	86
69) o-Xylene	12.03	106	3086	0.509	ug/l	91
70) Styrene	12.05	104	4503	0.432	ug/l	96
71) Bromoform	12.20	173	1304	0.480	ug/l #	92
73) Isopropylbenzene	12.33	105	7401	0.467	ug/l	95
74) N-amyl acetate	12.14	43	2819	0.373	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	2326	0.430	ug/l	81
76) 1,2,3-Trichloropropane	12.64	75	2625m	0.531	ug/l	
77) Bromobenzene	12.61	156	1851	0.498	ug/l	97
78) n-propylbenzene	12.67	91	7751	0.418	ug/l	86
79) 2-Chlorotoluene	12.75	91	4820	0.452	ug/l	88
80) 1,3,5-Trimethylbenzene	12.81	105	5879	0.444	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	888m	0.371	ug/l	
82) 4-Chlorotoluene	12.85	91	4909	0.454	ug/l	84
83) tert-Butylbenzene	13.08	119	4935	0.429	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	5654	0.428	ug/l	98
85) sec-Butylbenzene	13.25	105	6945	0.438	ug/l	94
86) p-Isopropyltoluene	13.37	119	6178	0.443	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	3757	0.557	ug/l	95
88) 1,4-Dichlorobenzene	13.45	146	3936m	0.561	ug/l	
89) n-Butylbenzene	13.70	91	5251	0.400	ug/l	91
90) Hexachloroethane	13.97	117	963	0.365	ug/l #	57
91) 1,2-Dichlorobenzene	13.74	146	3023	0.443	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	14.36	75	961	0.569	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	2103	0.454	ug/l	92
94) Hexachlorobutadiene	15.11	225	955	0.431	ug/l	86
95) Naphthalene	15.23	128	7734	0.444	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.42	180	2068	0.464	ug/l	92

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

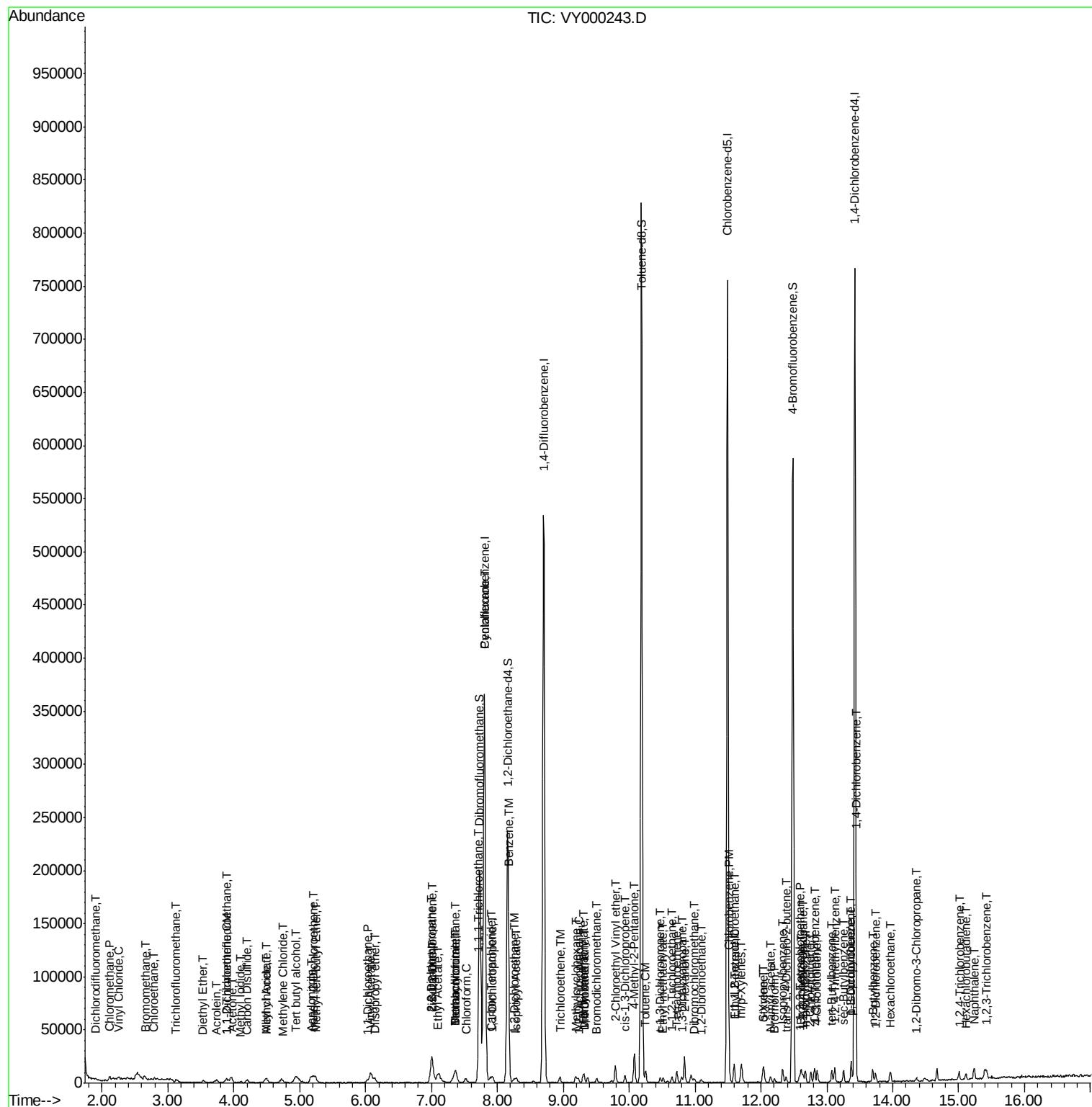
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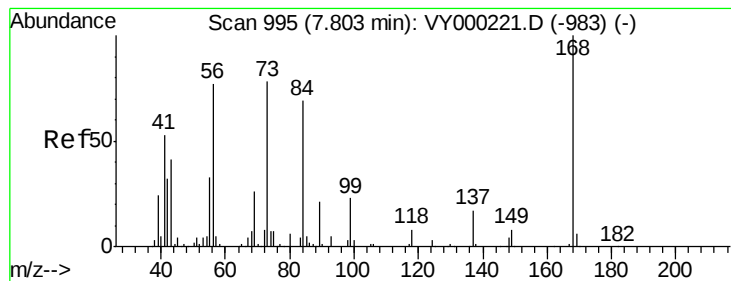
Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:168 Resp: 282977

Ion Ratio Lower Upper

168 100

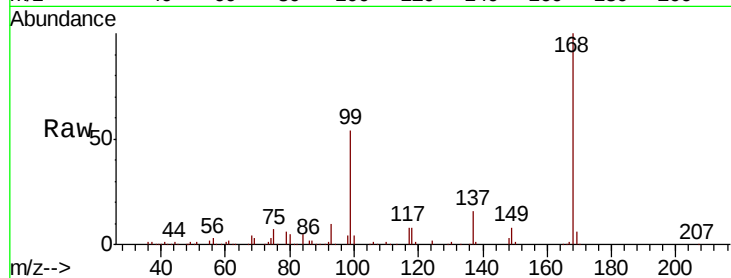
99 53.7 45.0 67.6

Manual Integrations

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

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

7.80

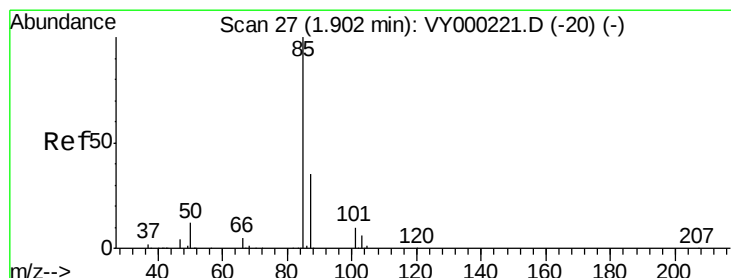
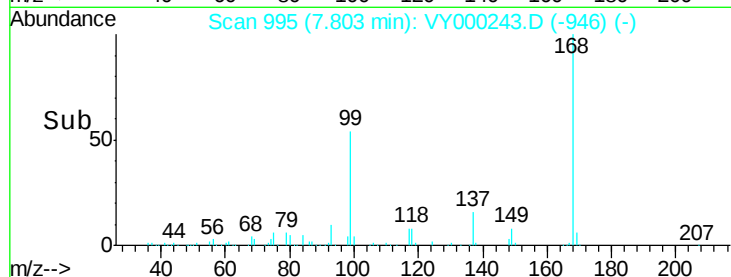
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.497 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000243.D

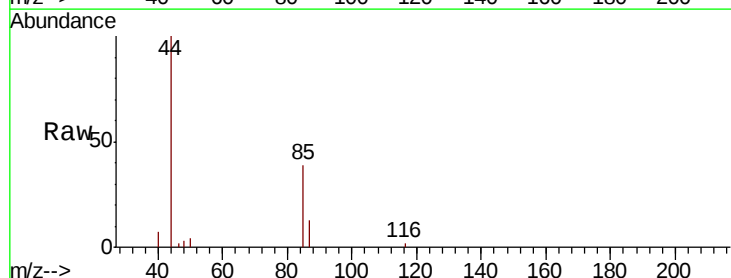
Acq: 09 Oct 2019 15:07

Tgt Ion: 85 Resp: 1403

Ion Ratio Lower Upper

85 100

87 33.7 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

1200

1000

800

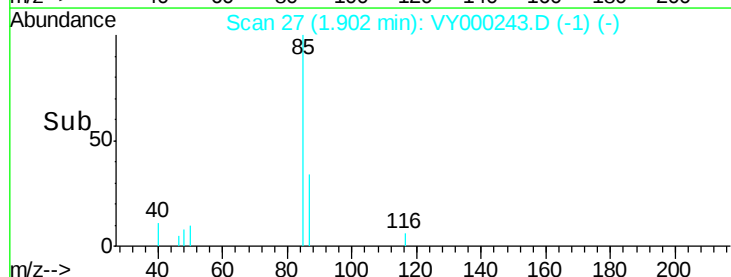
600

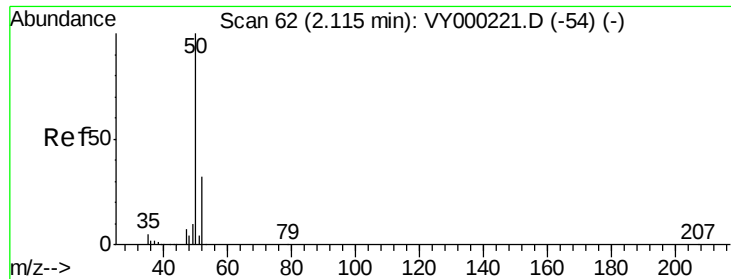
400

200

0

Time-->





#3

Chloromethane

Concen: 0.586 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 50 Resp: 2255

Ion Ratio Lower Upper

50 100

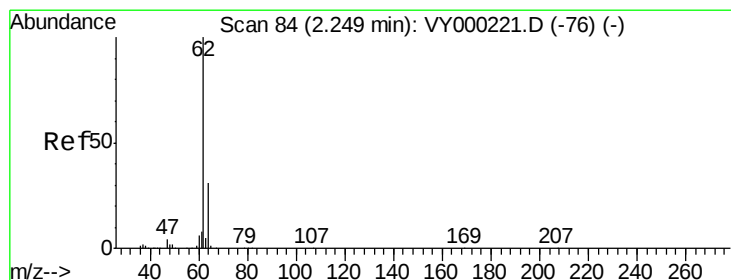
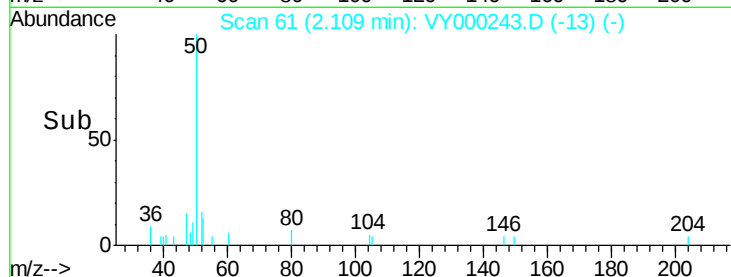
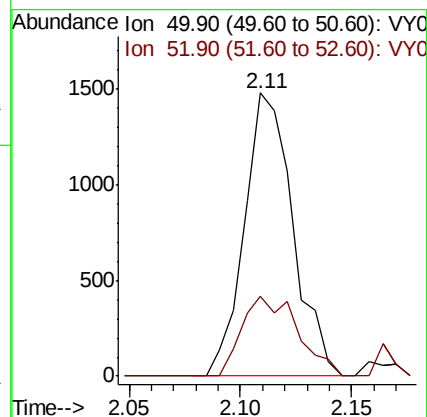
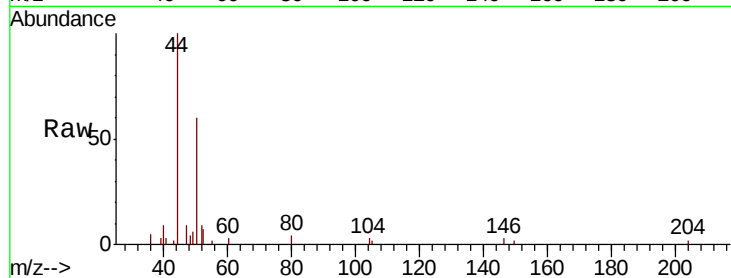
52 28.0 25.4 38.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.402 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000243.D

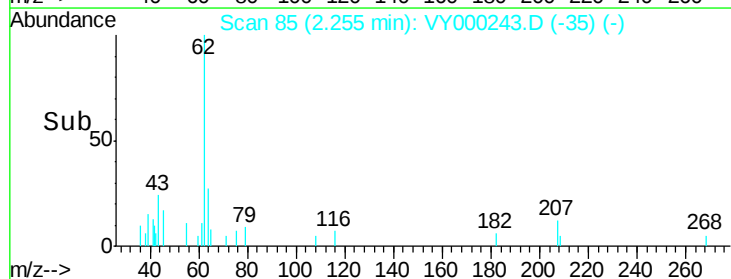
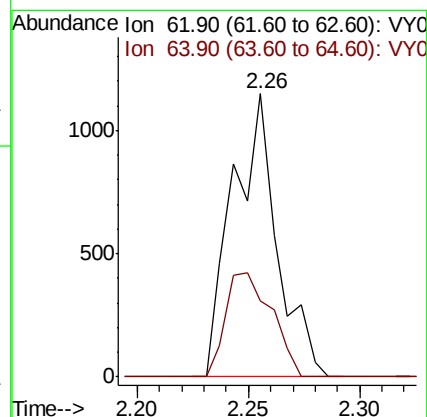
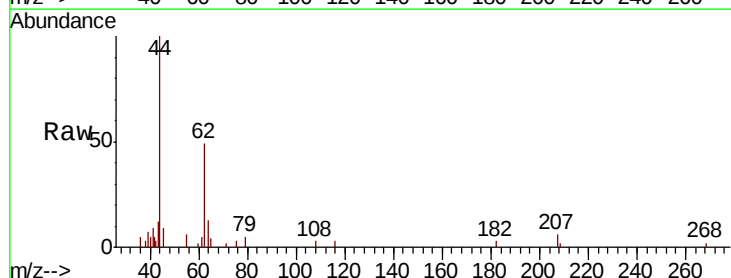
Acq: 09 Oct 2019 15:07

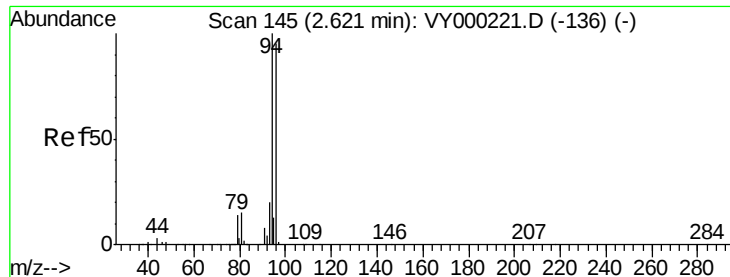
Tgt Ion: 62 Resp: 1595

Ion Ratio Lower Upper

62 100

64 26.8 25.0 37.6





#5

Bromomethane

Concen: 0.650 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.04 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 94 Resp: 1630

Ion Ratio Lower Upper

94 100

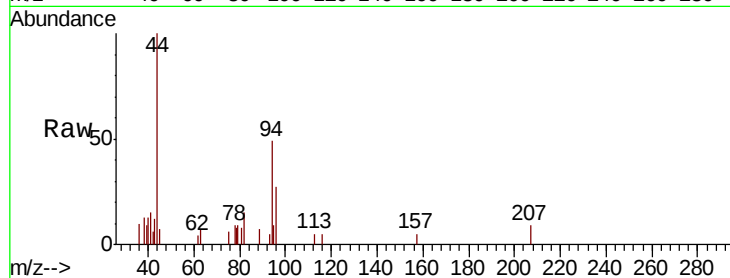
96 55.3 75.7 113.5#

Manual Integrations

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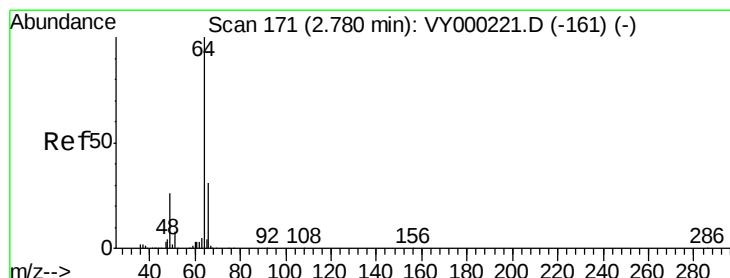
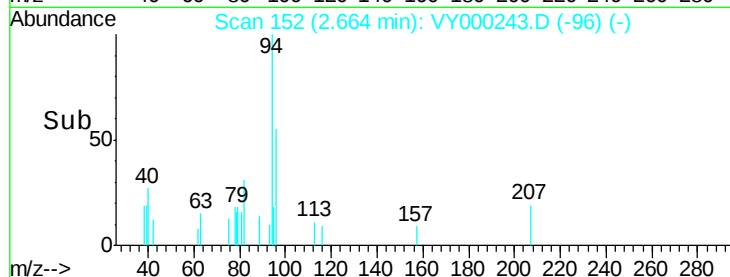
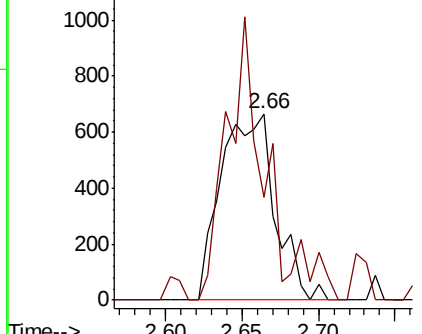
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 0.516 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.02 min

Lab File: VY000243.D

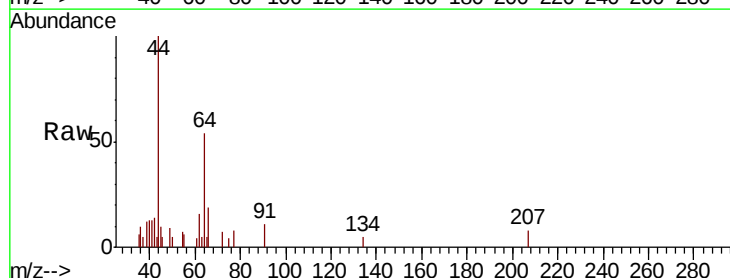
Acq: 09 Oct 2019 15:07

Tgt Ion: 64 Resp: 1294

Ion Ratio Lower Upper

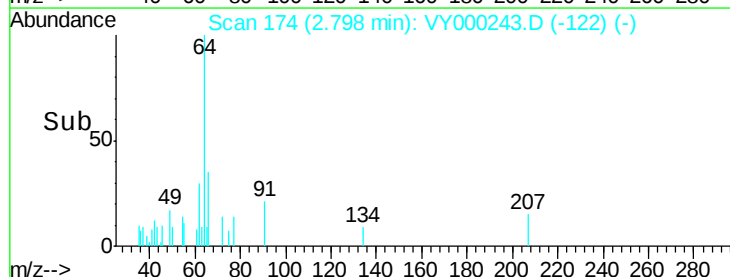
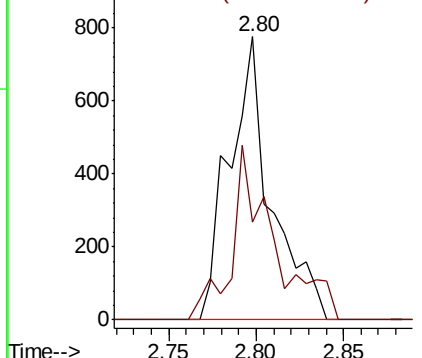
64 100

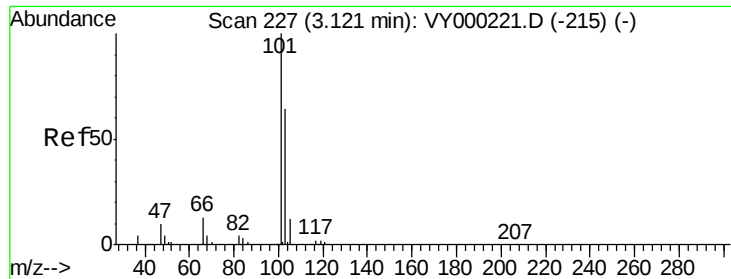
66 34.7 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

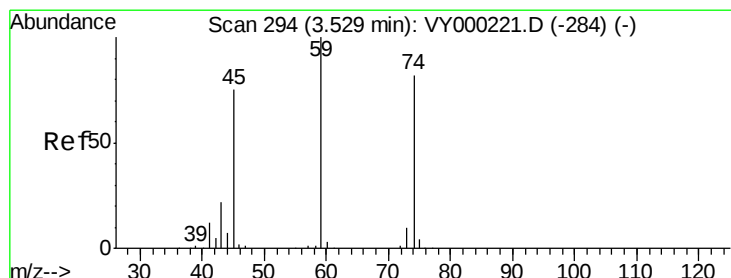
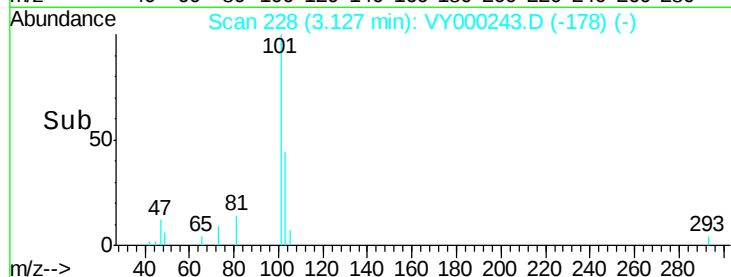
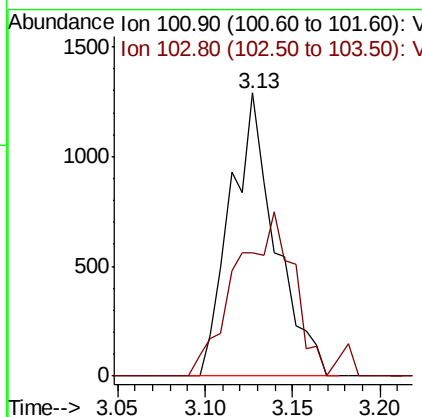
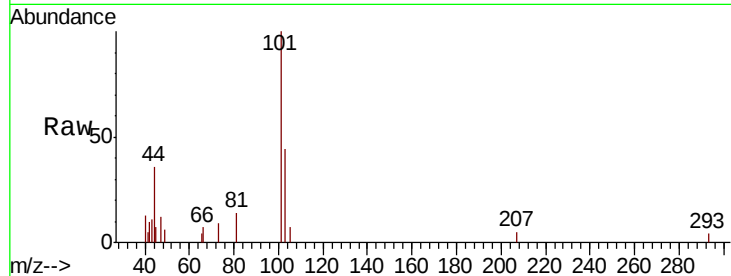
Trichlorofluoromethane
 Concen: 0.449 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	43.7	51.0	76.6#

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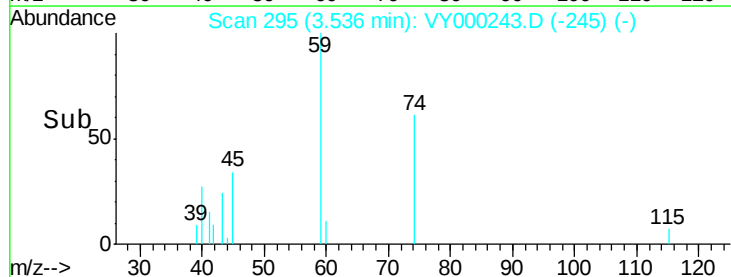
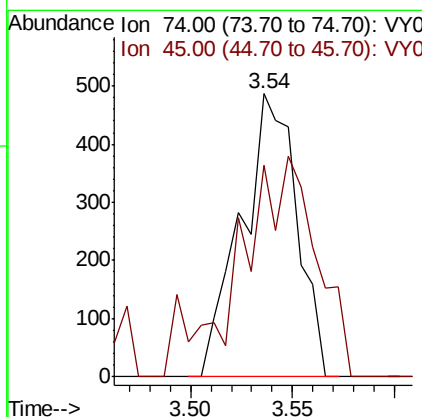
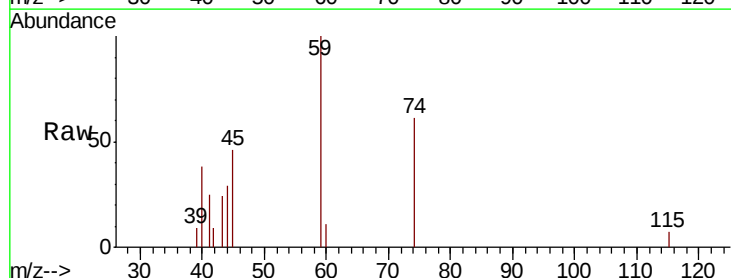
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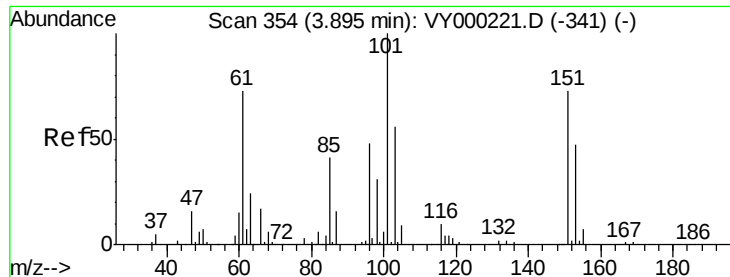


#8

Diethyl Ether
 Concen: 0.392 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	45.8	137.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.525 ug/l m

RT: 3.90 min Scan# 354

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

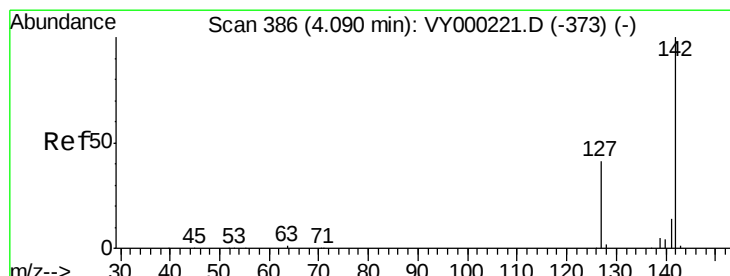
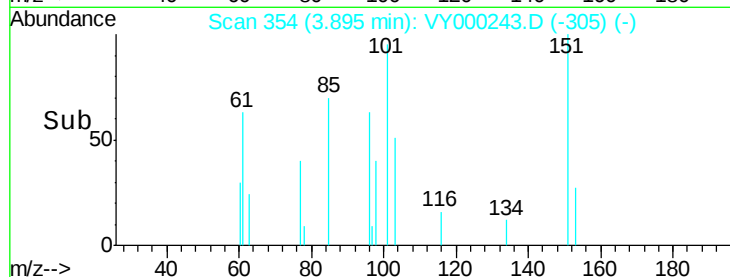
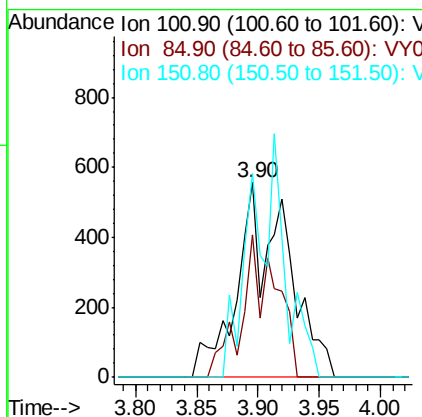
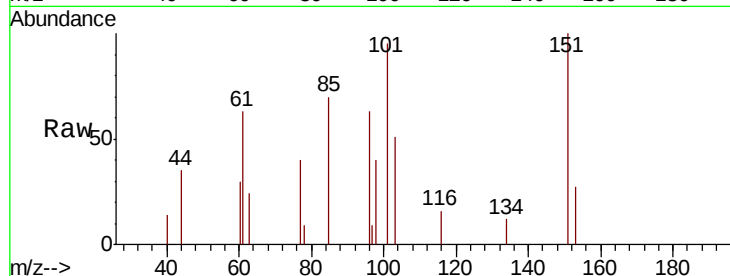
ClientSampleId :

0.5PPBMDL

Tot Ion:	101	Resp:	1572
Ion Ratio	Lower	Upper	
101	100		
85	26.7	37.0	55.6#
151	45.2	63.0	94.4#

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#10

Methyl Iodide

Concen: 0.295 ug/l

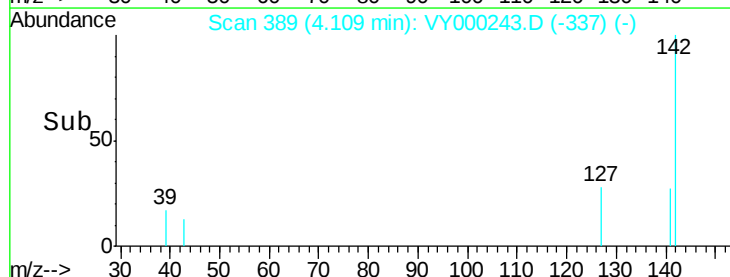
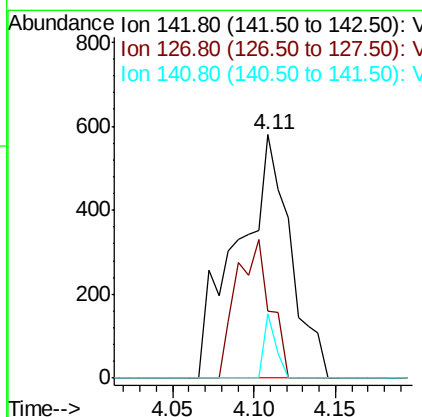
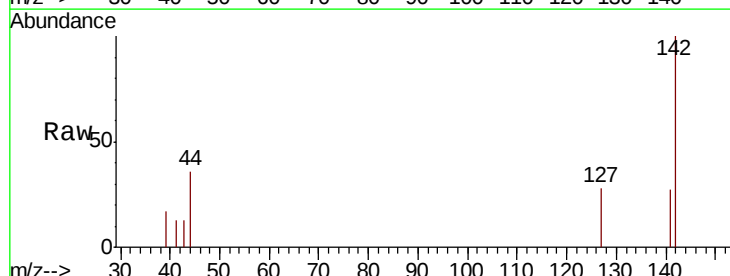
RT: 4.11 min Scan# 389

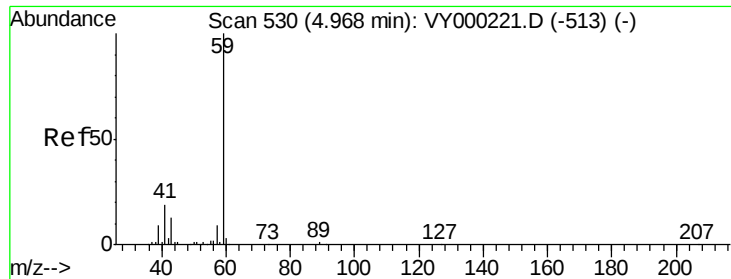
Delta R.T. 0.02 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Tgt Ion:	142	Resp:	1306
Ion Ratio	Lower	Upper	
142	100		
127	36.5	33.0	49.6
141	6.0	11.0	16.4#





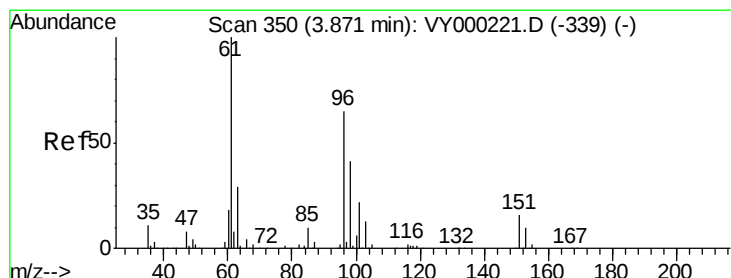
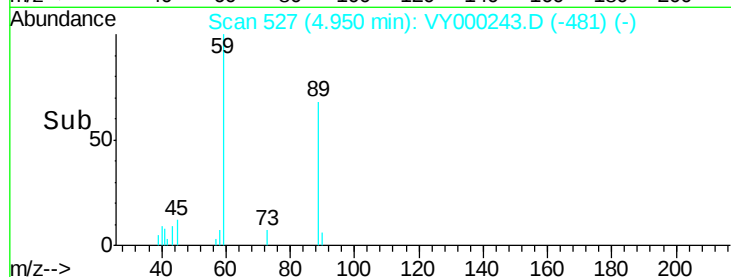
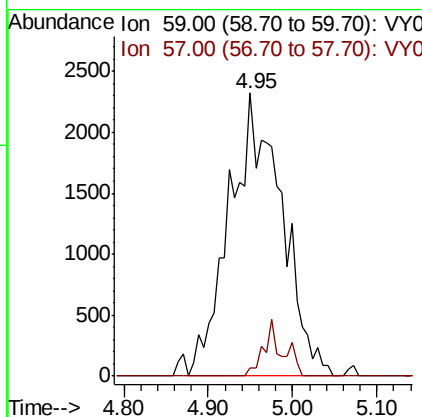
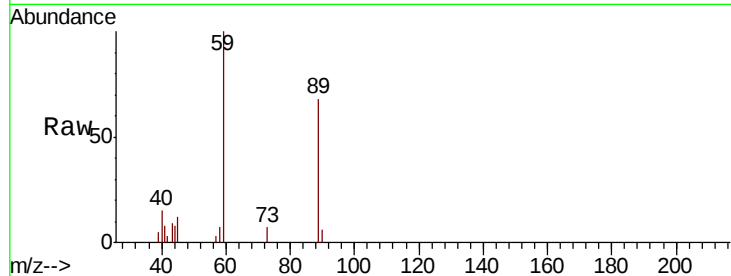
#11
Tert butyl alcohol
Concen: 4.947 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 59 Resp: 9781
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

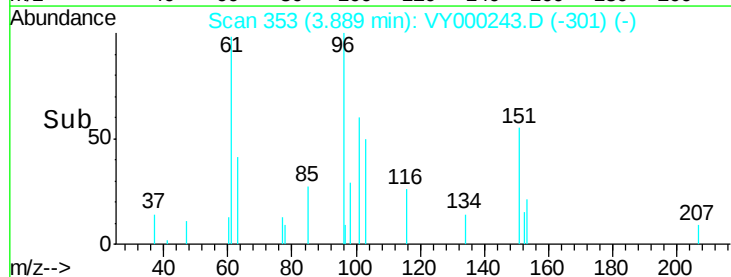
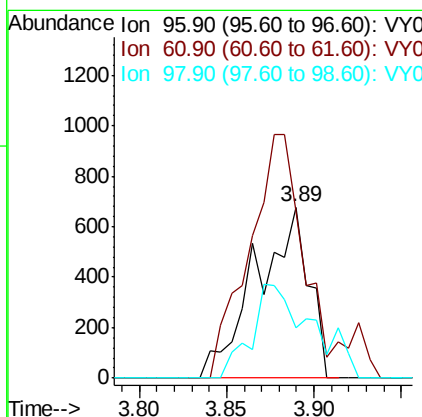
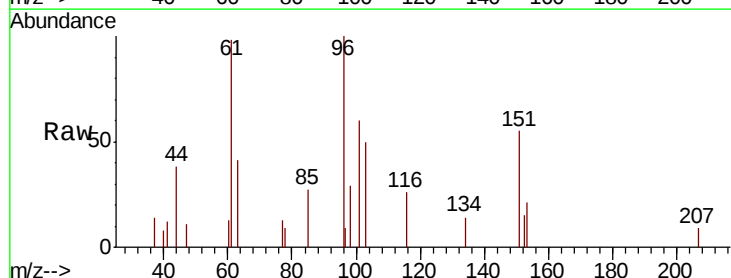
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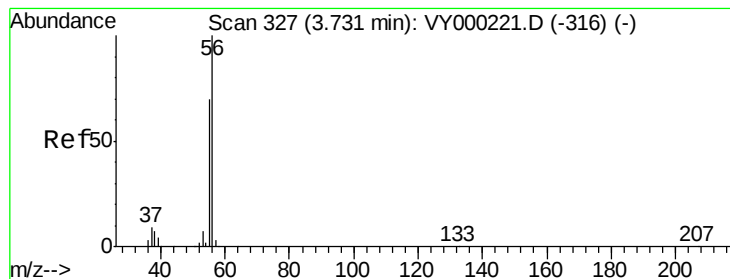
MMDadoda
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#12
1,1-Dichloroethene
Concen: 0.455 ug/l
RT: 3.89 min Scan# 353
Delta R.T. 0.02 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion: 96 Resp: 1417
Ion Ratio Lower Upper
96 100
61 97.6 123.8 185.8#
98 29.5 50.9 76.3#





#13

Acrolein

Concen: 2.893 ug/l

RT: 3.75 min Scan# 330

Delta R.T. 0.02 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 56 Resp: 3003

Ion Ratio Lower Upper

56 100

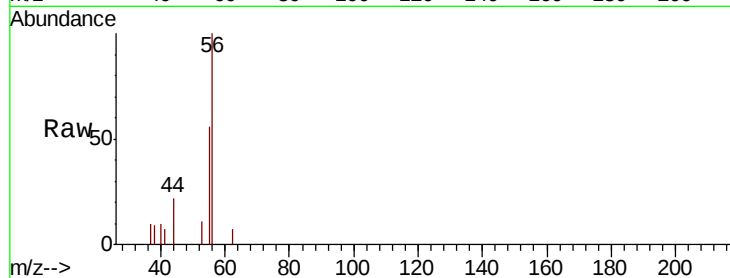
55 67.3 55.2 82.8

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

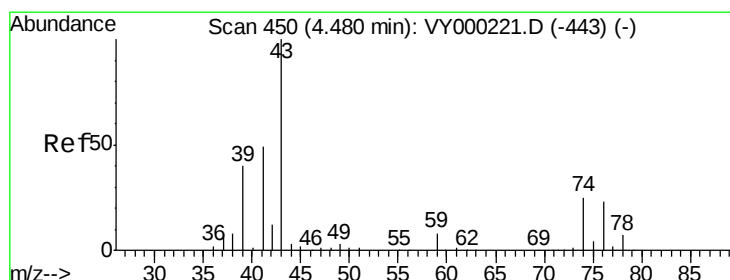
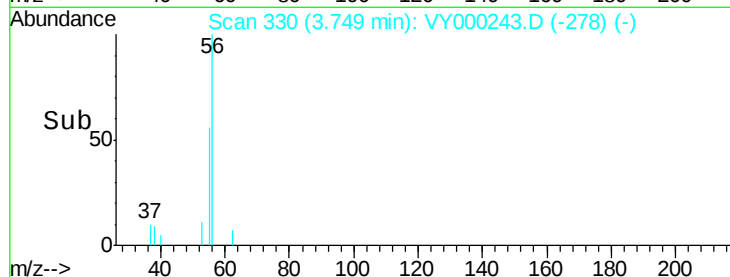
3.75

1000

500

0

Time-->



#14

Allyl chloride

Concen: 0.433 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

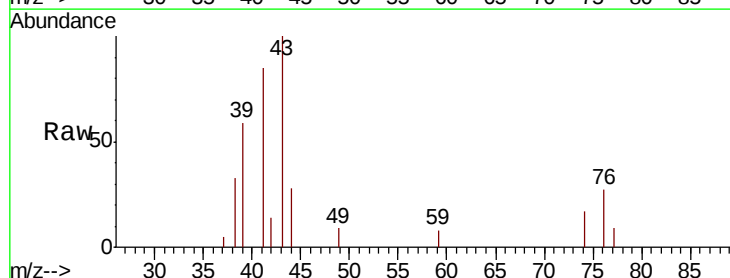
Tgt Ion: 41 Resp: 2271

Ion Ratio Lower Upper

41 100

39 83.5 56.4 84.6

76 42.7 30.8 46.2



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

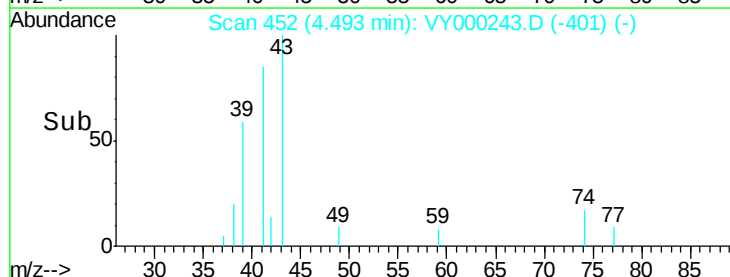
4.49

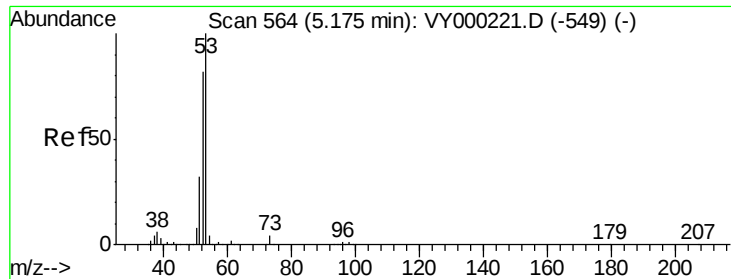
1000

500

0

Time-->





#15

Acrylonitrile

Concen: 2.379 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

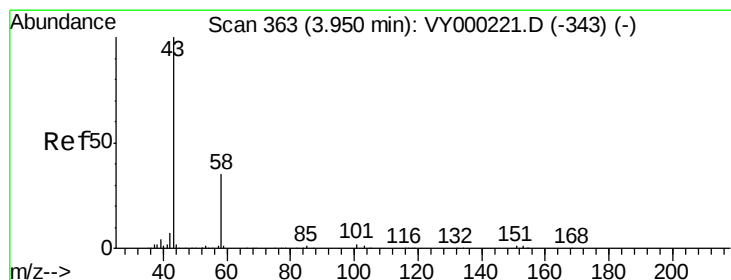
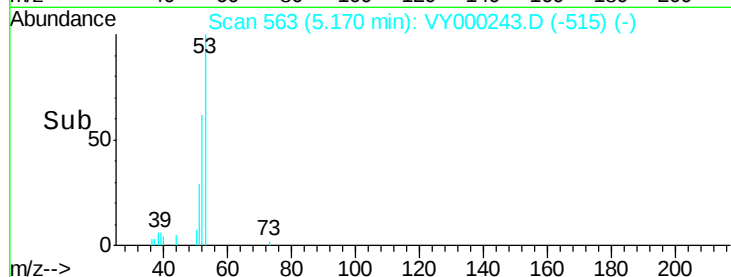
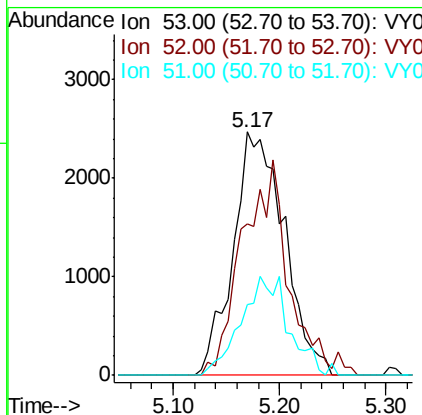
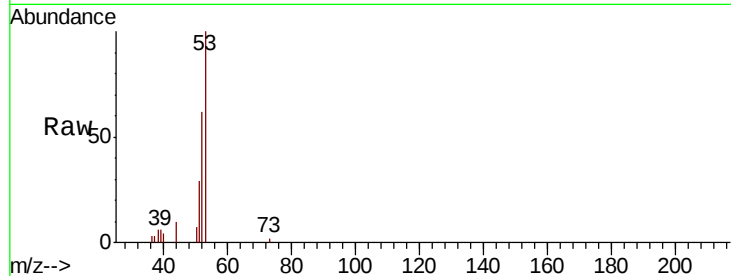
ClientSampleId :

0.5PPBMDL

Tot Ion:	53	Resp:	8302
Ion Ratio	Lower	Upper	
53	100		
52	0.0	65.4	98.2#
51	37.4	27.2	40.8

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#16

Acetone

Concen: 2.703 ug/l

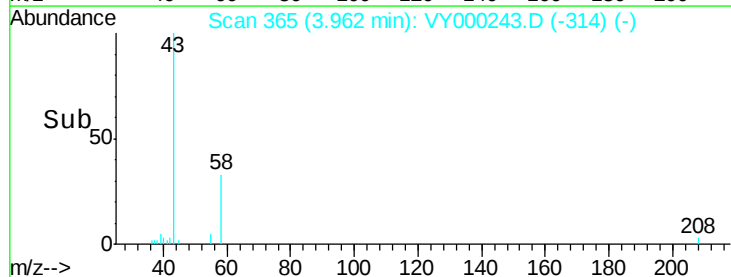
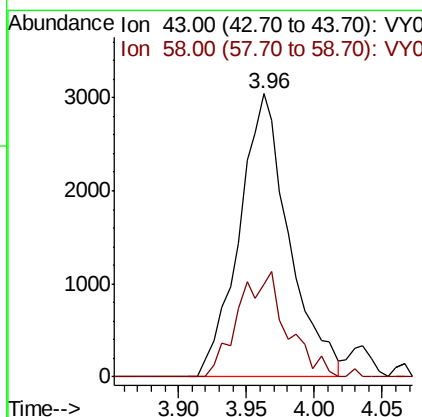
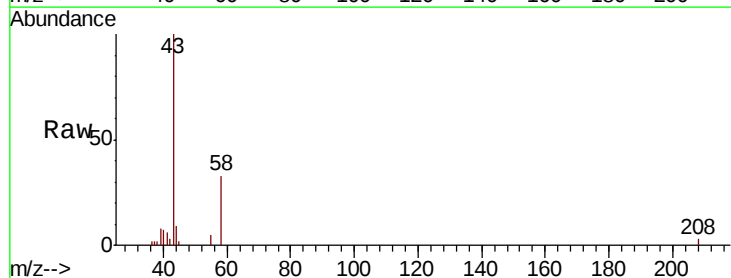
RT: 3.96 min Scan# 365

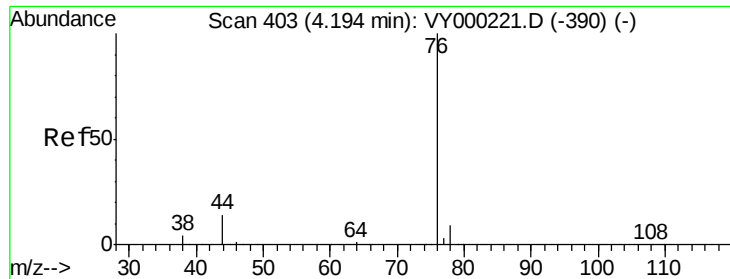
Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Tgt Ion:	43	Resp:	7791
Ion Ratio	Lower	Upper	
43	100		
58	34.9	28.2	42.4





#17

Carbon Disulfide

Concen: 0.473 ug/l

RT: 4.19 min Scan# 403

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 76 Resp: 4339

Ion Ratio Lower Upper

76 100

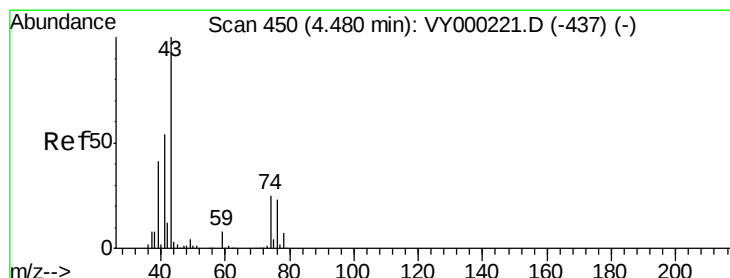
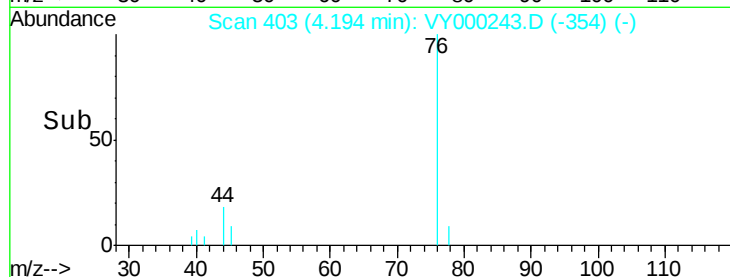
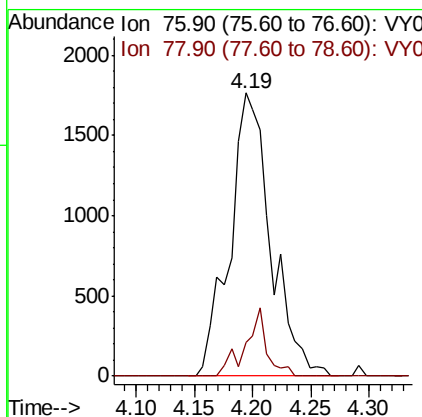
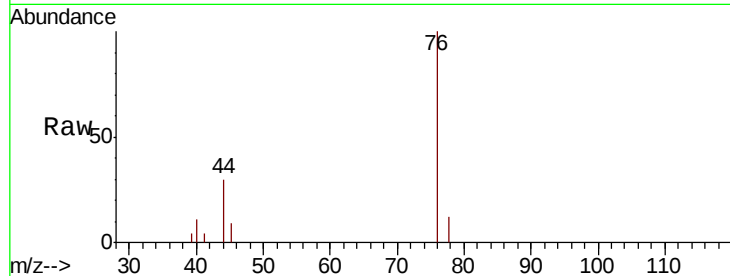
78 11.8 7.0 10.6#

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#18

Methyl Acetate

Concen: 0.480 ug/l m

RT: 4.48 min Scan# 450

Delta R.T. 0.00 min

Lab File: VY000243.D

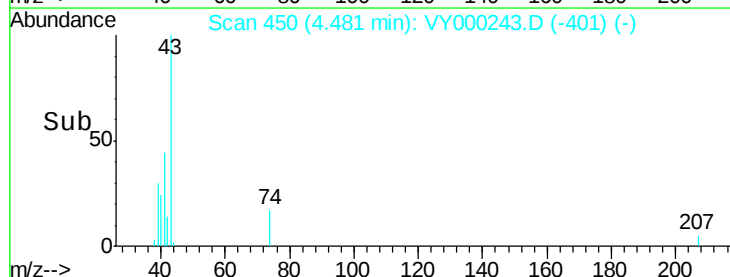
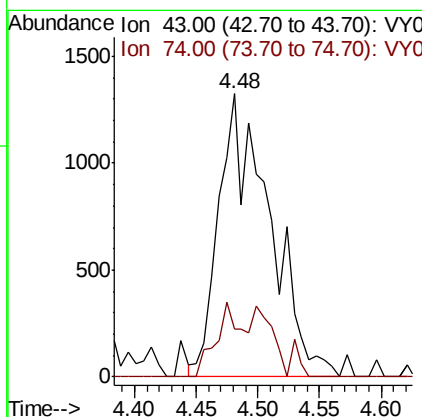
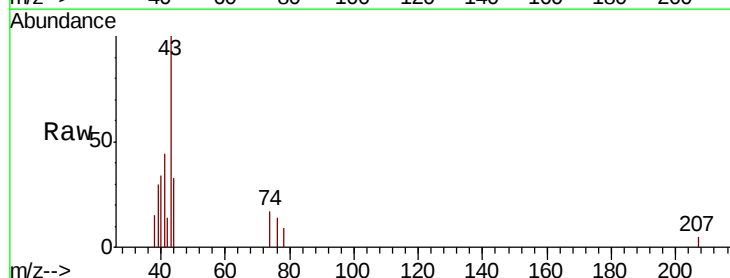
Acq: 09 Oct 2019 15:07

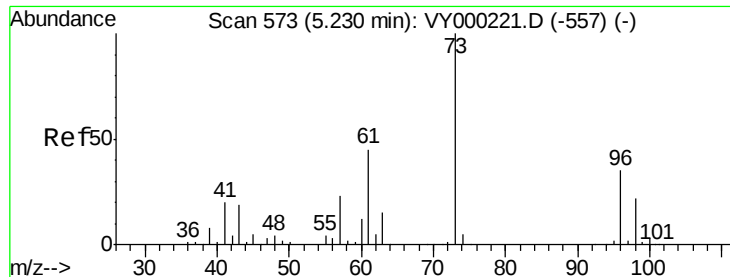
Tgt Ion: 43 Resp: 3792

Ion Ratio Lower Upper

43 100

74 13.8 19.1 28.7#





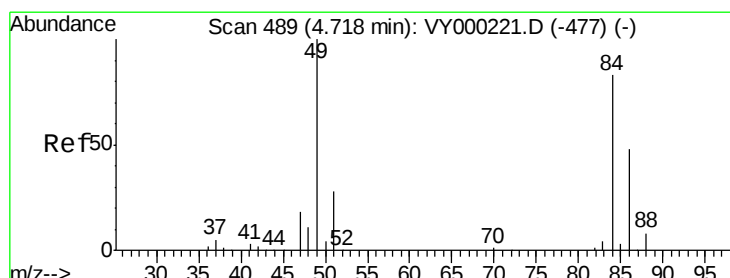
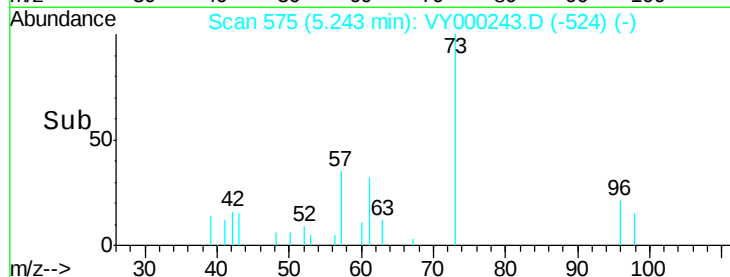
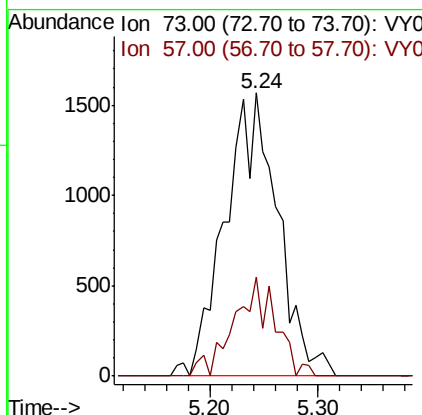
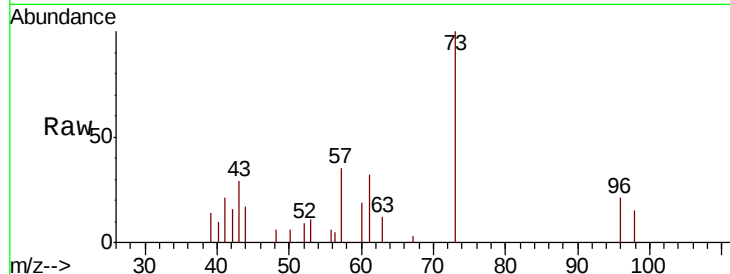
#19
Methvl tert-butvl Ether
Concen: 0.459 ug/l m
RT: 5.24 min Scan# 575
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 73 Resp: 5229
Ion Ratio Lower Upper
73 100
57 35.2 18.4 27.6#

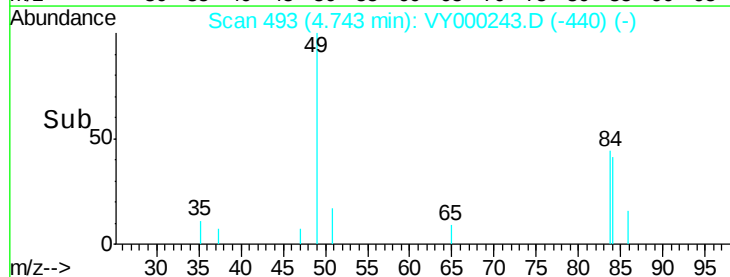
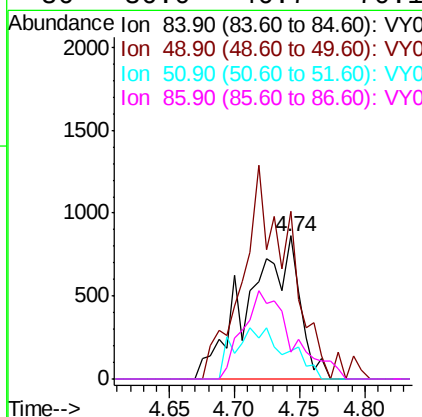
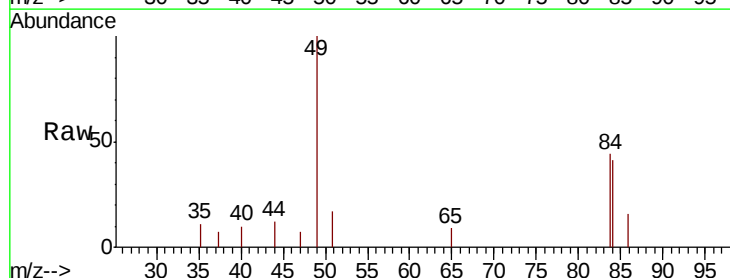
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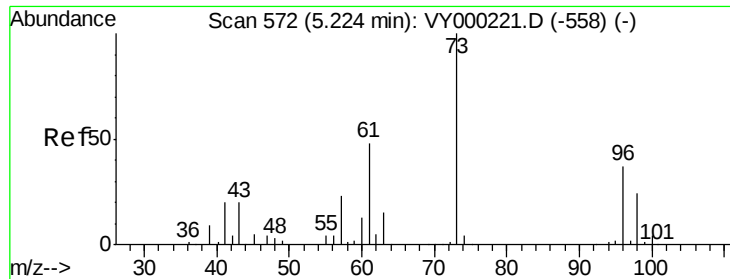
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#20
Methylene Chloride
Concen: 0.621 ug/l m
RT: 4.74 min Scan# 493
Delta R.T. 0.02 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion: 84 Resp: 2350
Ion Ratio Lower Upper
84 100
49 228.5 96.2 144.2#
51 37.8 26.6 39.8
86 36.0 46.7 70.1#





#21

trans-1,2-Dichloroethene

Concen: 0.452 ug/l

RT: 5.22 min Scan# 571

Delta R.T. -0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

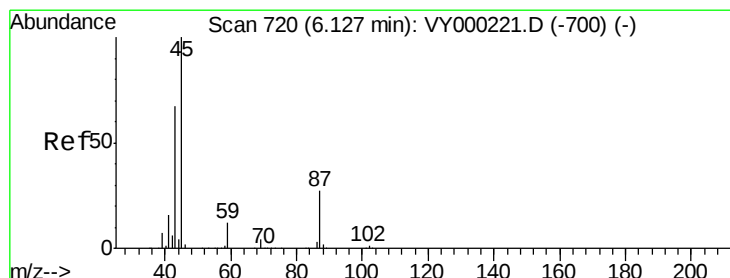
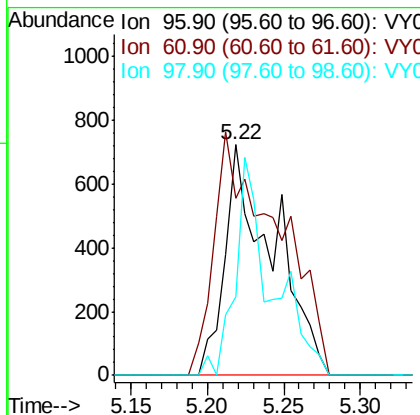
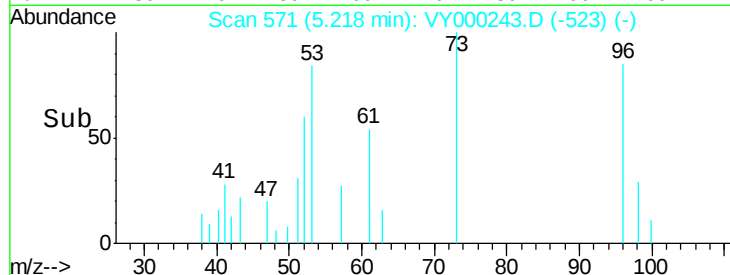
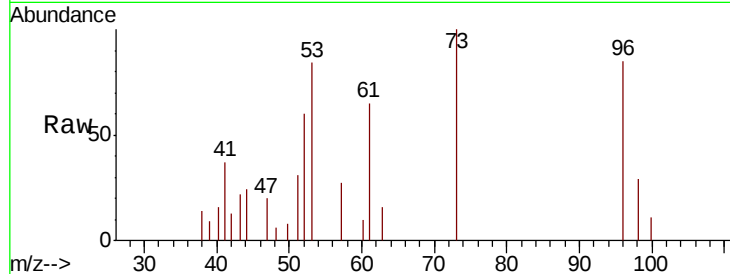
ClientSampleId :

0.5PPBMDL

Tot Ion:	96	Resp:	1581
Ion	Ratio	Lower	Upper
96	100		
61	76.6	104.2	156.2#
98	34.0	51.0	76.6#

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#22

Diisopropyl ether

Concen: 0.450 ug/l

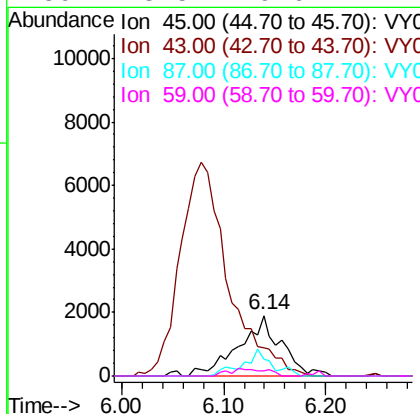
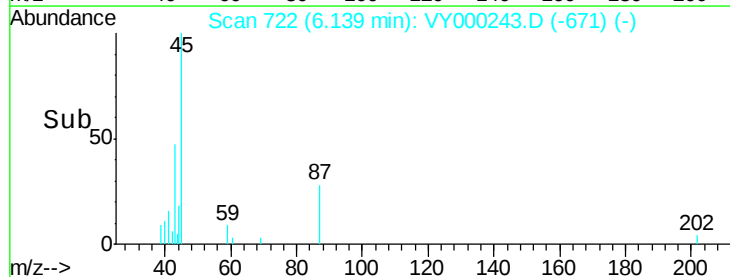
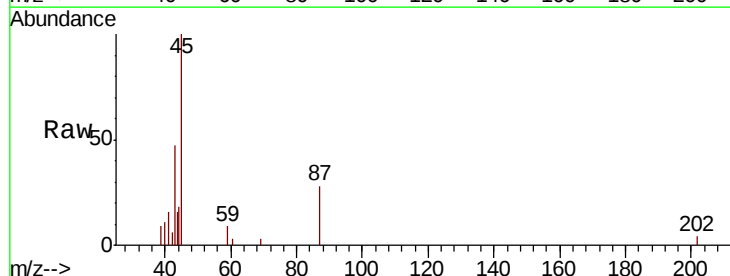
RT: 6.14 min Scan# 722

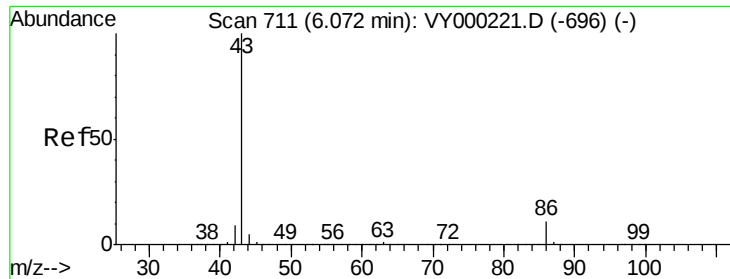
Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Tgt Ion:	45	Resp:	5470
Ion	Ratio	Lower	Upper
45	100		
43	47.2	53.4	80.2#
87	27.7	21.7	32.5
59	8.5	9.6	14.4#





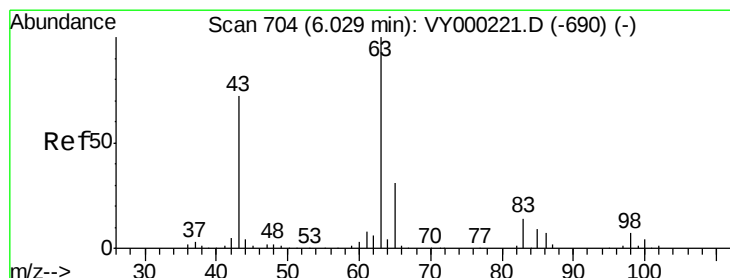
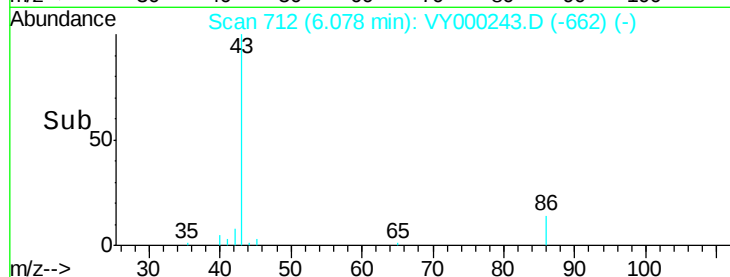
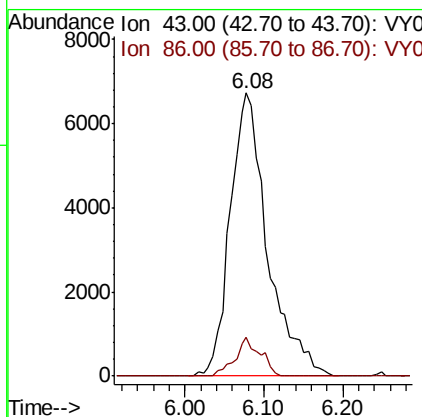
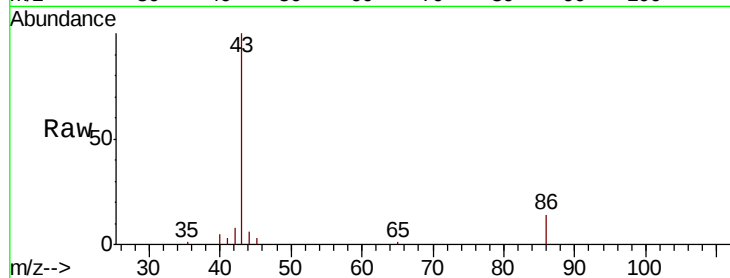
#23
 Vinyl Acetate
 Concen: 2.015 ug/l
 RT: 6.08 min Scan# 712
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	43	Resp	22162
Ion Ratio	100	Lower	Upper
43	100		
86	13.9	8.5	12.7#

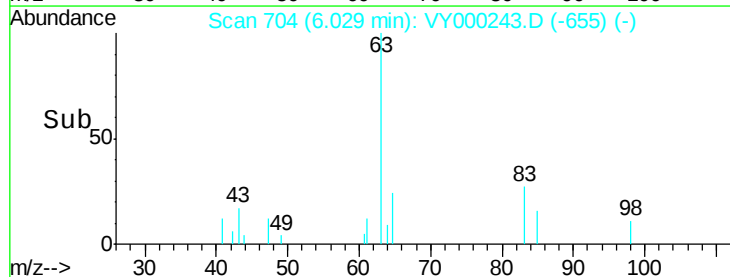
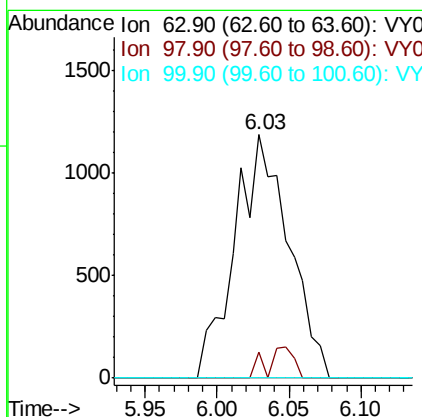
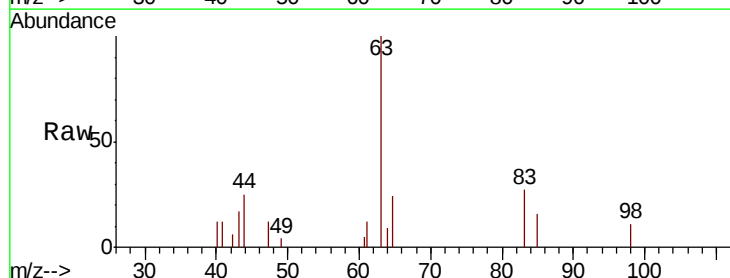
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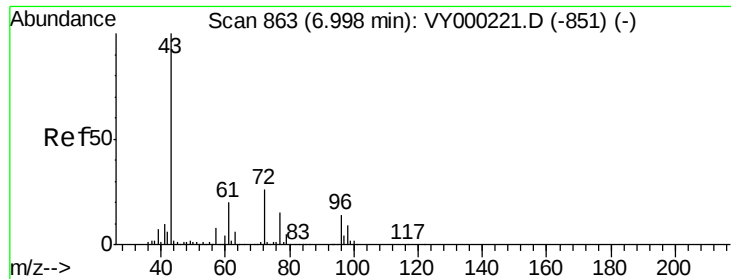
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#24
 1,1-Dichloroethane
 Concen: 0.501 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion	63	Resp	3102
Ion Ratio	100	Lower	Upper
63	100		
98	10.7	3.5	10.6#
100	0.0	2.1	6.5#





#25

2-Butanone

Concen: 2.374 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 12660

Ion Ratio Lower Upper

43 100

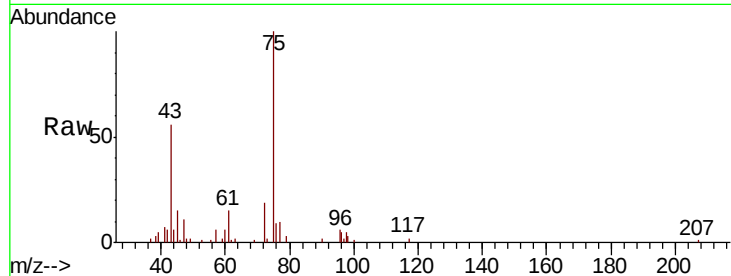
72 34.6 20.6 31.0#

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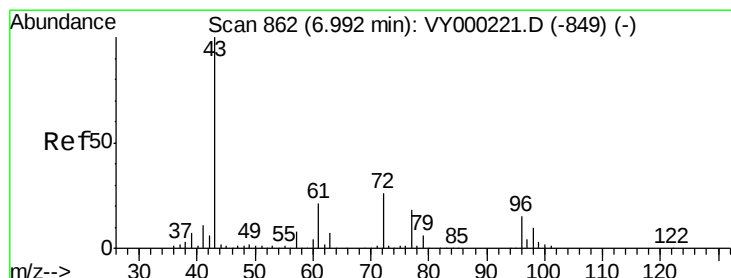
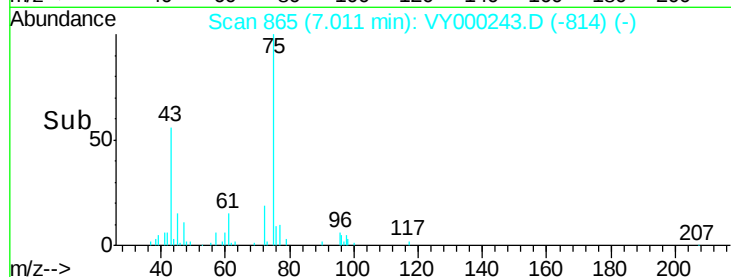
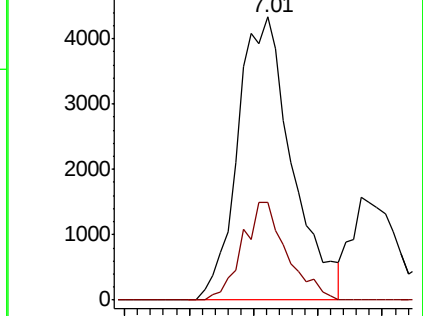
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 0.637 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000243.D

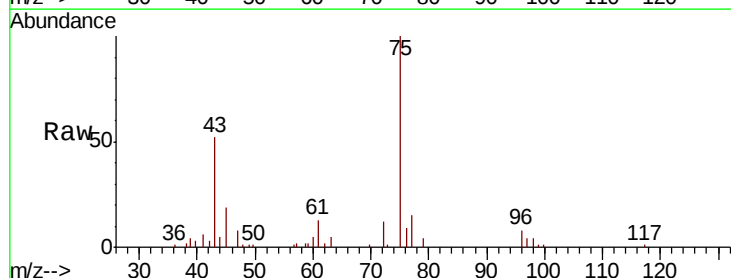
Acq: 09 Oct 2019 15:07

Tgt Ion: 77 Resp: 3561

Ion Ratio Lower Upper

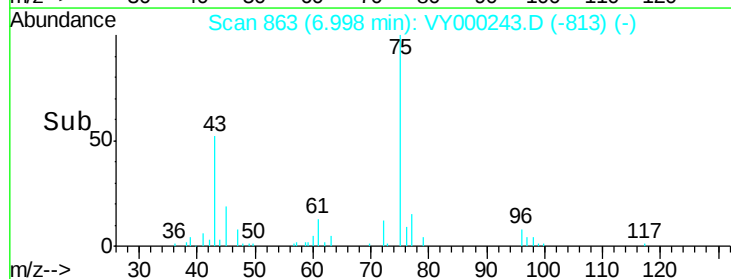
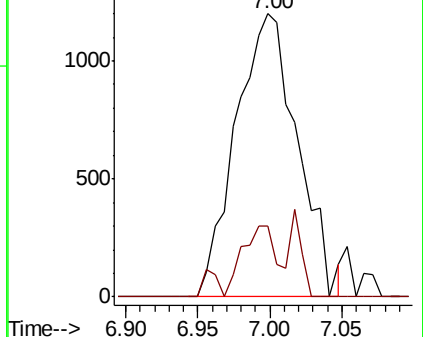
77 100

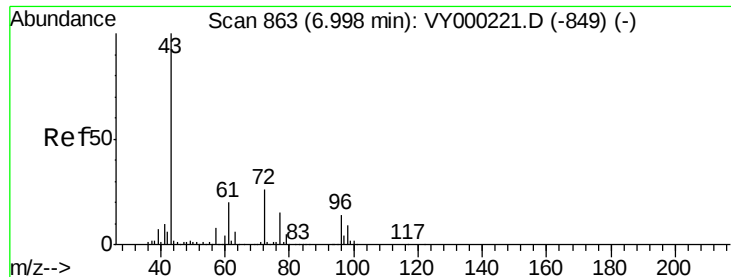
97 14.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

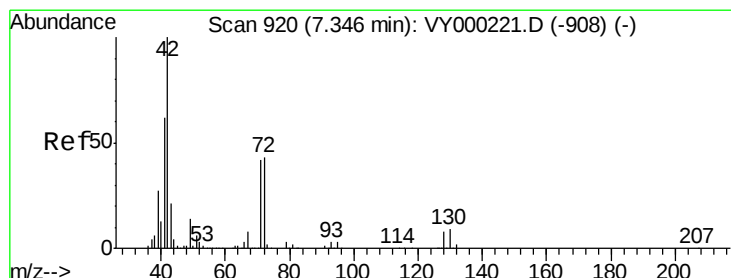
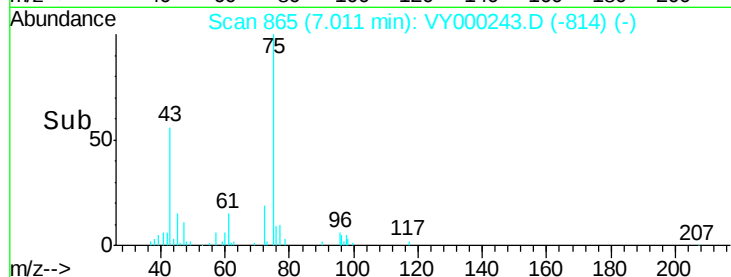
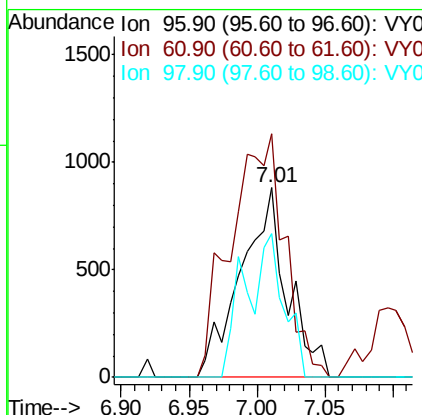
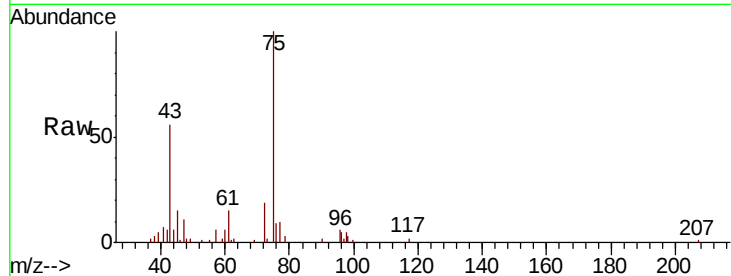
cis-1,2-Dichloroethene
Concen: 0.510 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	282.6
98	38.3	0.0	129.8

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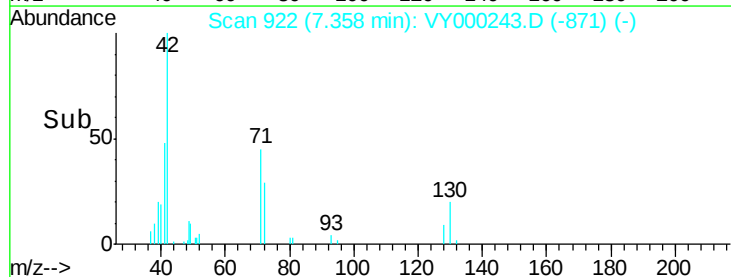
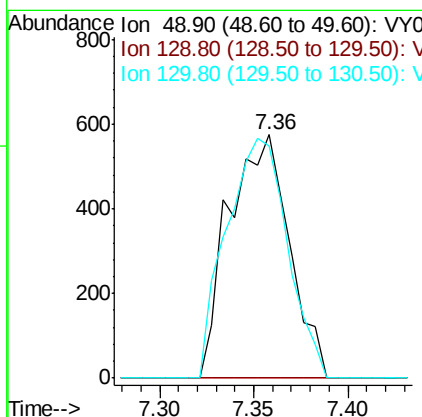
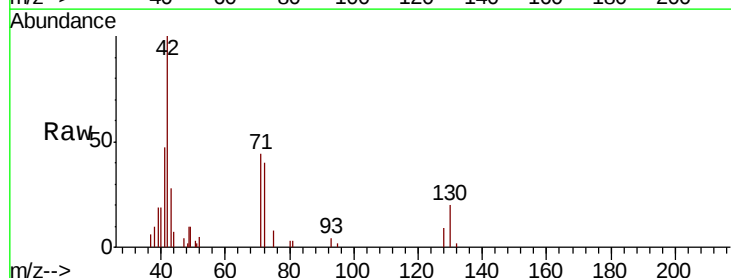
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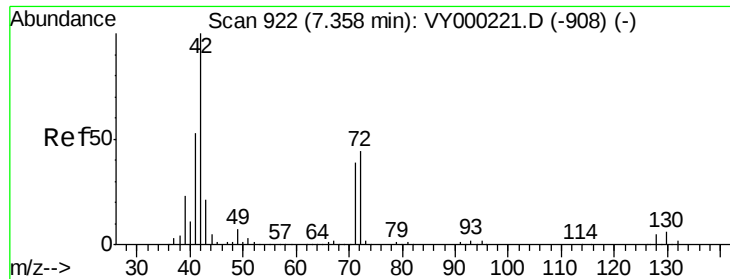


#28

Bromochloromethane
Concen: 0.626 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	99.5	56.5	84.7#





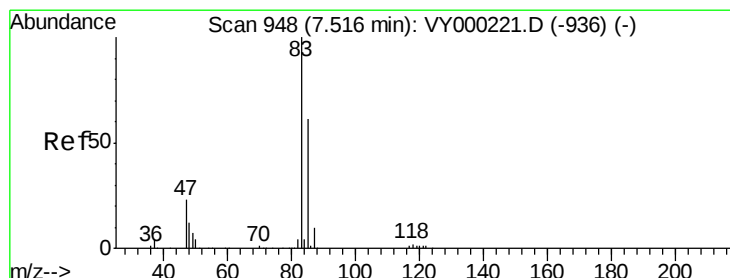
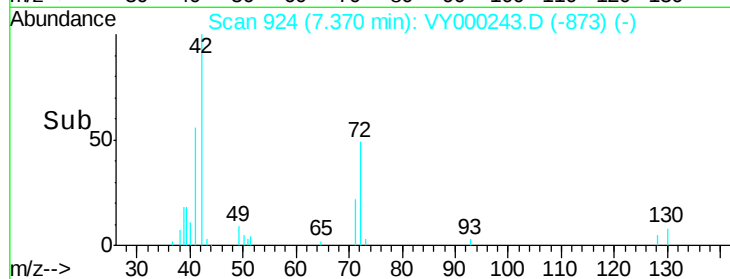
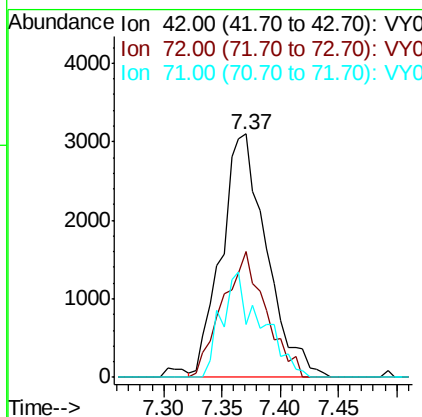
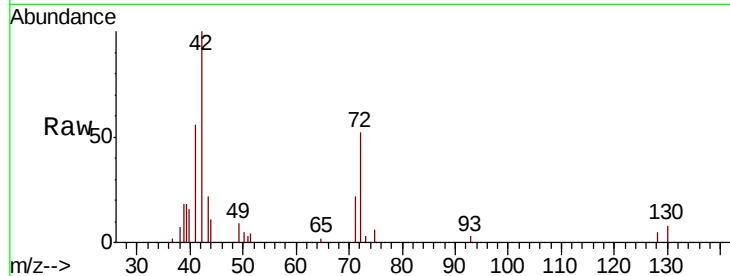
#29
Tetrahydrofuran
Concen: 2.229 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	34.6	51.8
71	37.5	31.9	47.9

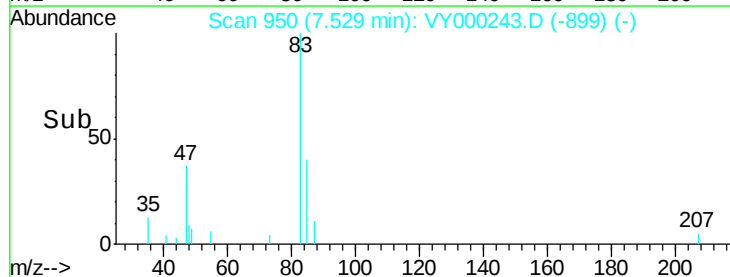
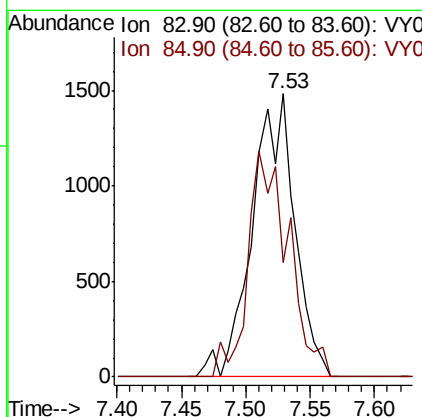
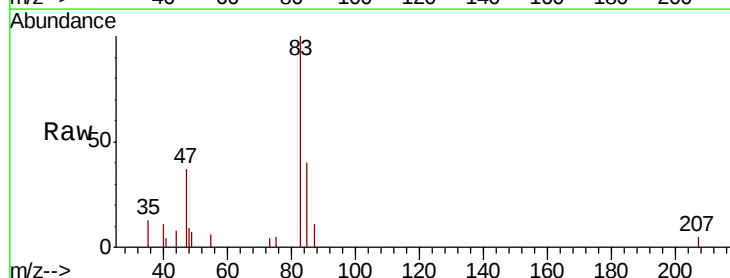
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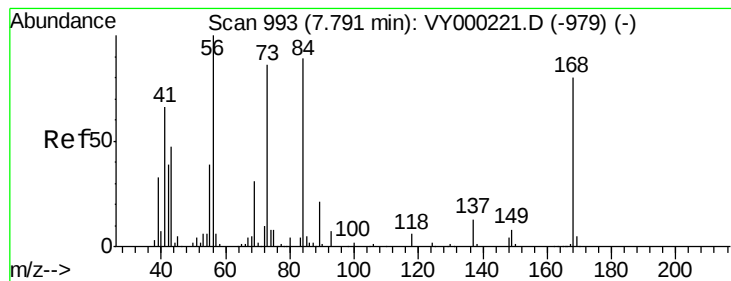
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#30
Chloroform
Concen: 0.525 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	40.2	48.9	73.3#





#31

Cyclohexane

Concen: 1.312 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

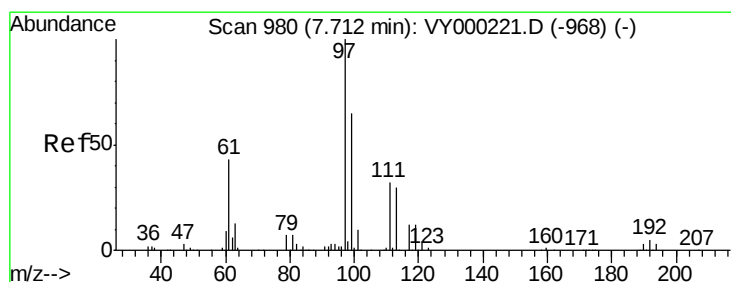
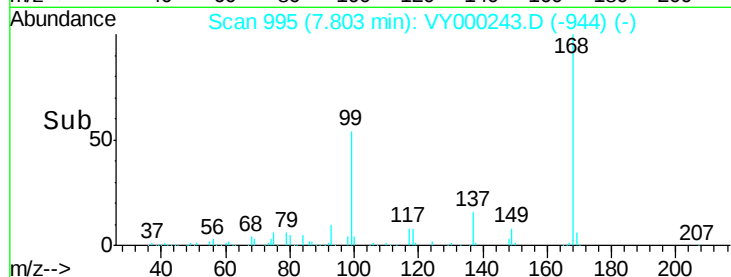
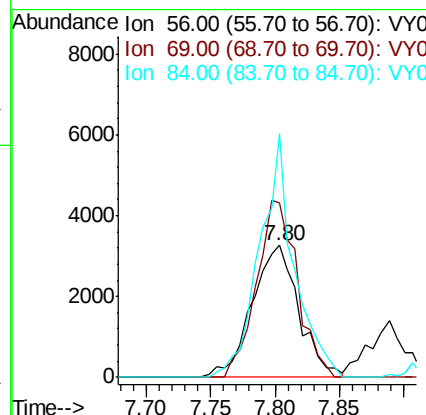
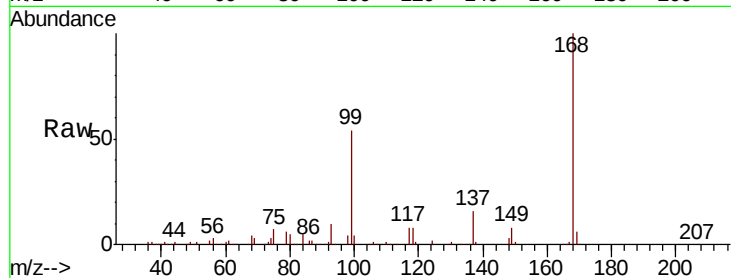
ClientSampleId :

0.5PPBMDL

Tot Ion:	56	Resp:	8212
Ion	Ratio	Lower	Upper
56	100		
69	132.6	24.7	37.1#
84	184.6	71.3	106.9#

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#32

1,1,1-Trichloroethane

Concen: 0.492 ug/l

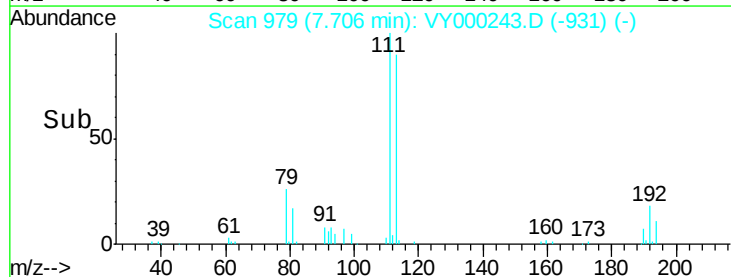
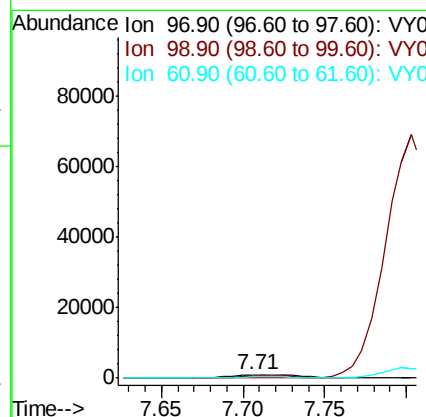
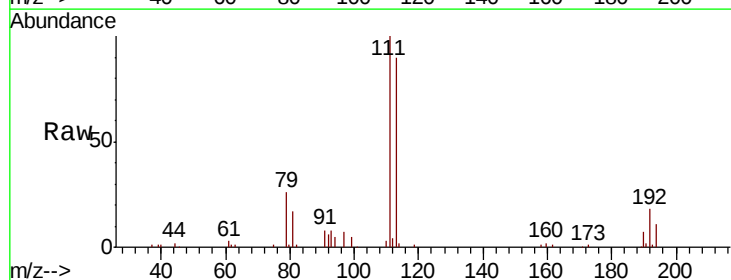
RT: 7.71 min Scan# 979

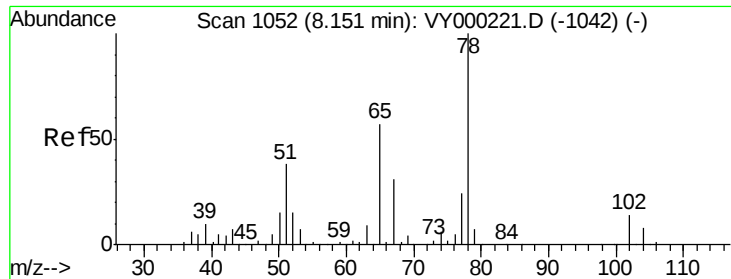
Delta R.T. -0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Tgt Ion:	97	Resp:	2687
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.4	77.2#
61	36.1	34.2	51.4





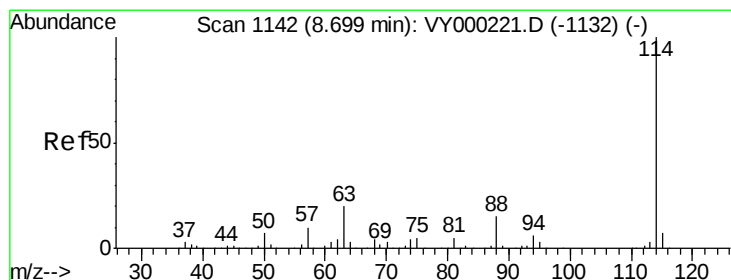
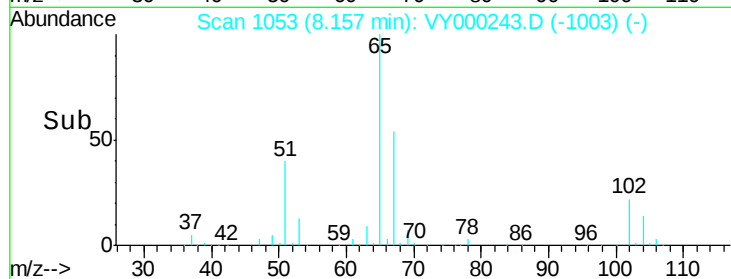
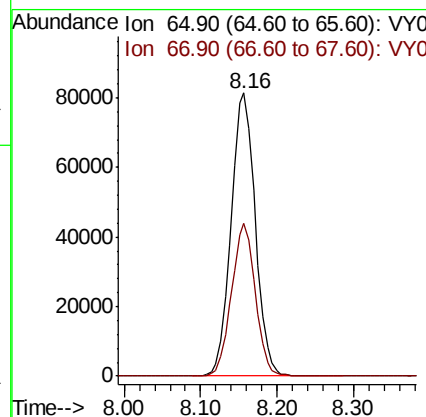
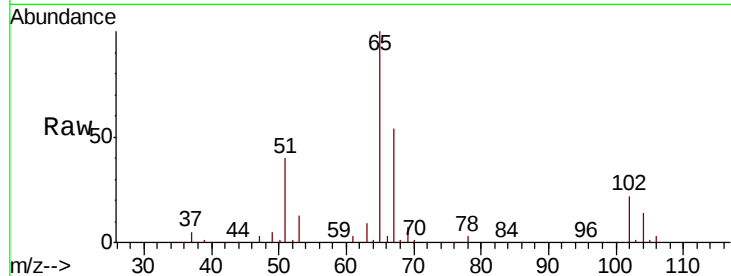
#33
 1,2-Dichloroethane-d4
 Concen: 48.873 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion: 65 Resp: 177873
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 109.0

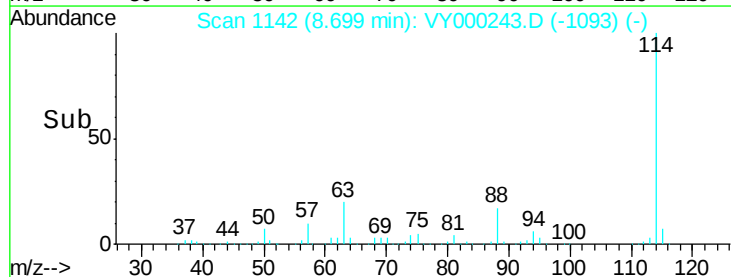
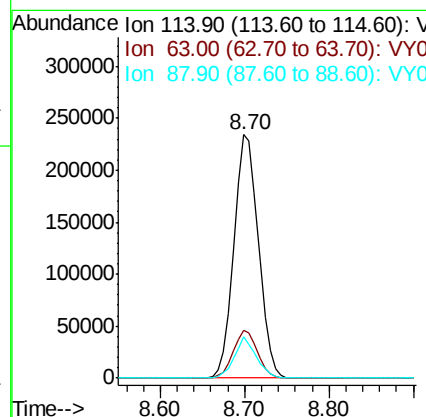
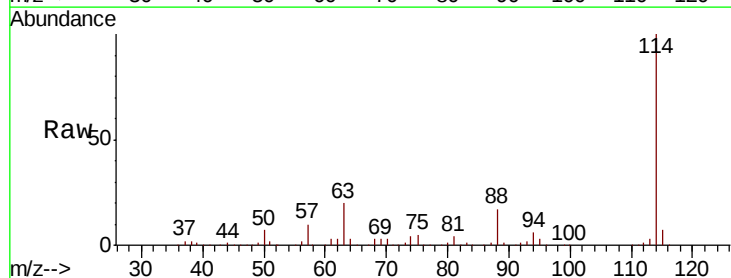
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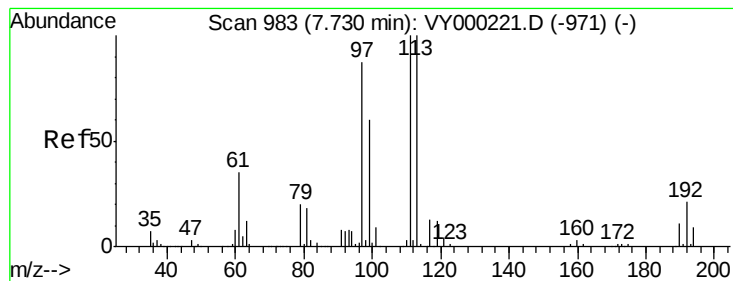
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion: 114 Resp: 461989
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 16.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.654 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:113 Resp: 137174

Ion Ratio Lower Upper

113 100

111 106.1 82.6 124.0

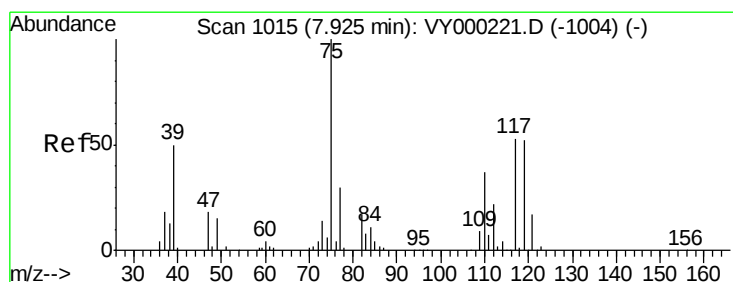
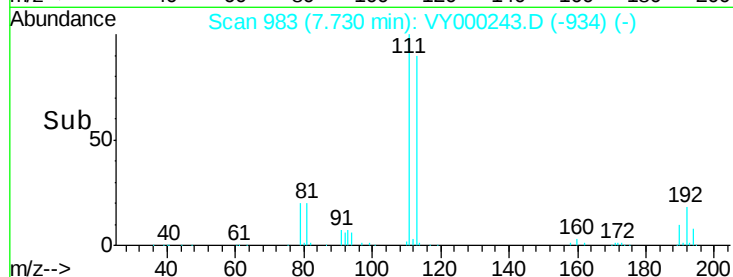
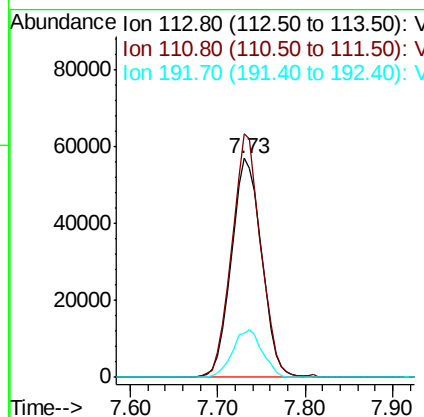
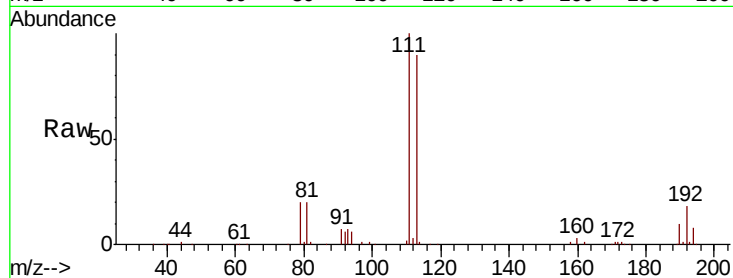
192 21.3 15.8 23.8

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#36

1,1-Dichloropropene

Concen: 0.526 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

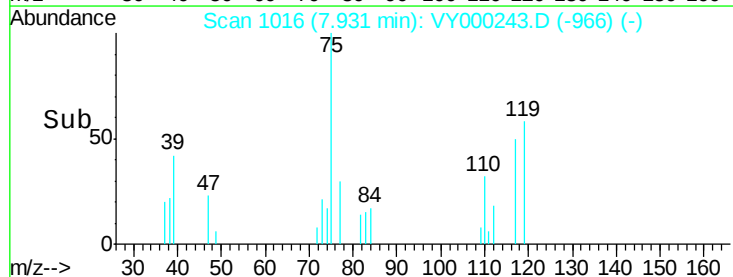
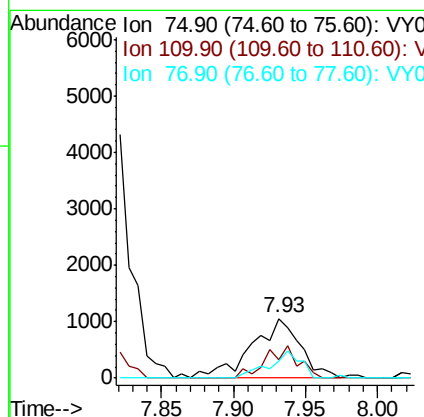
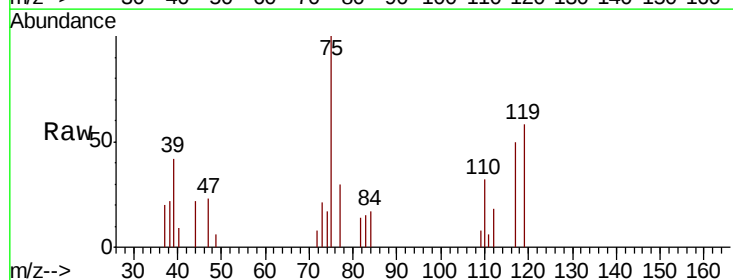
Tgt Ion: 75 Resp: 2473

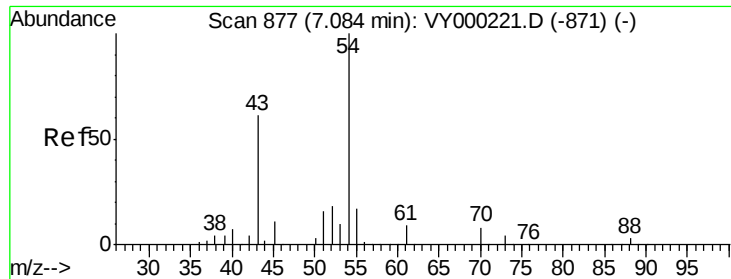
Ion Ratio Lower Upper

75 100

110 36.7 18.4 55.2

77 30.2 24.7 37.1





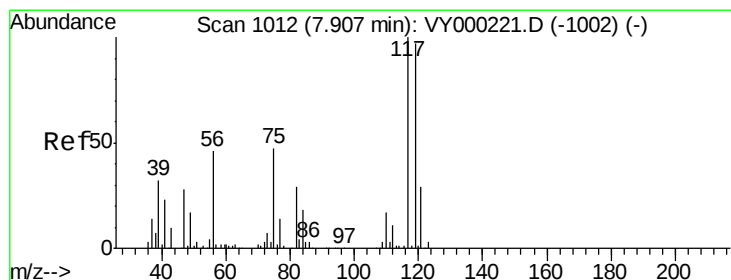
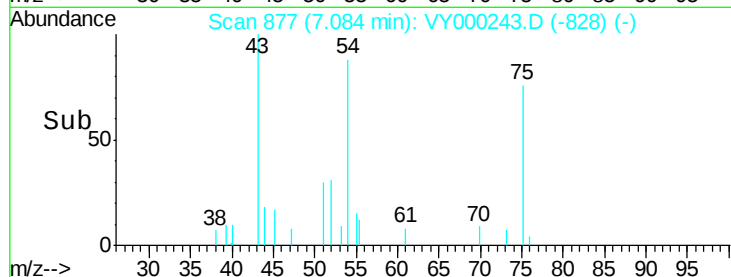
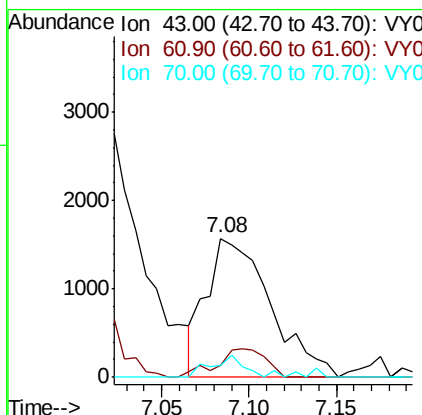
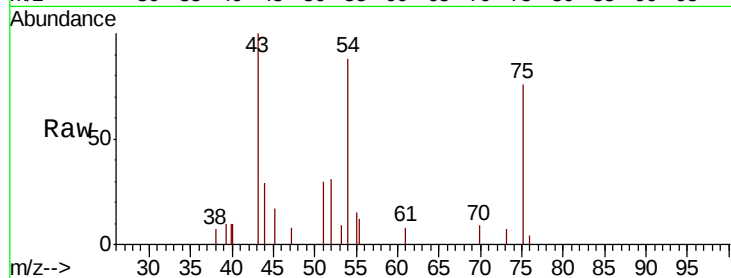
#37
Ethyl Acetate
Concen: 0.470 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	43	61	70
Ratio	100	15.5	7.9
Lower		11.1	8.5
Upper		16.7	12.7#

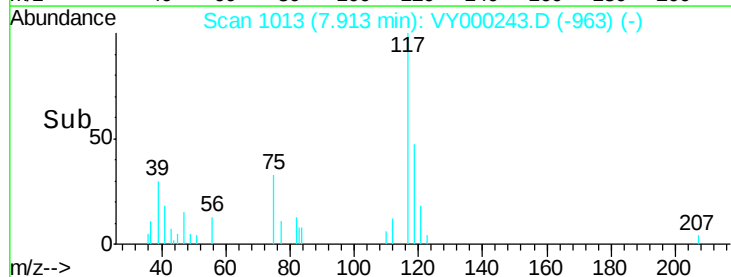
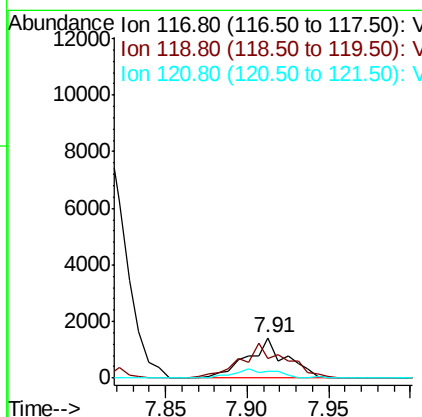
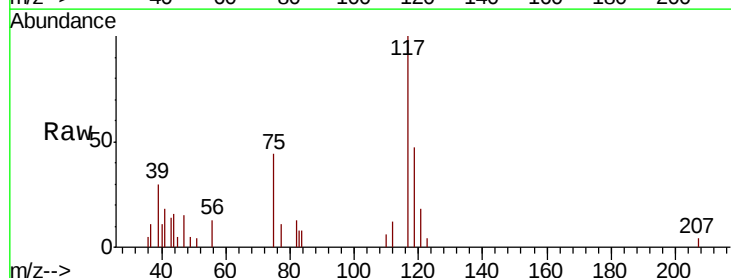
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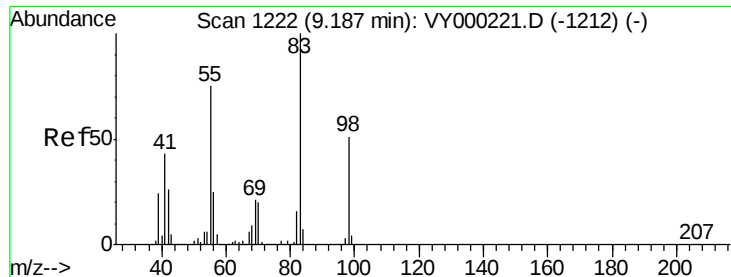
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#38
Carbon Tetrachloride
Concen: 0.517 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	117	119	121
Ratio	100	47.0	17.5
Lower		77.2	23.1
Upper		115.8#	34.7#





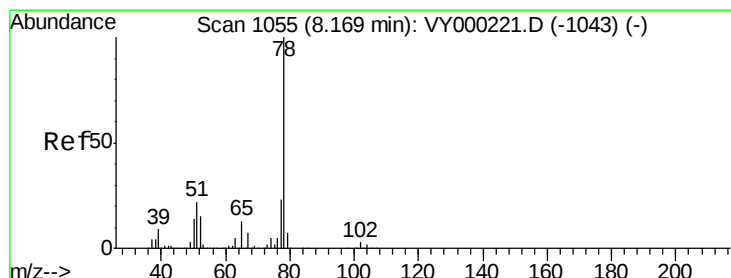
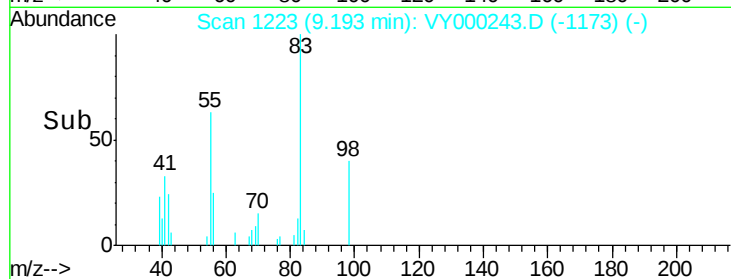
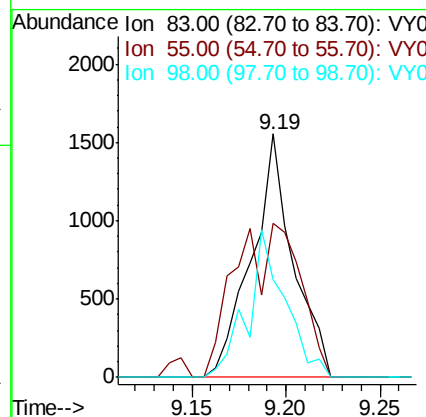
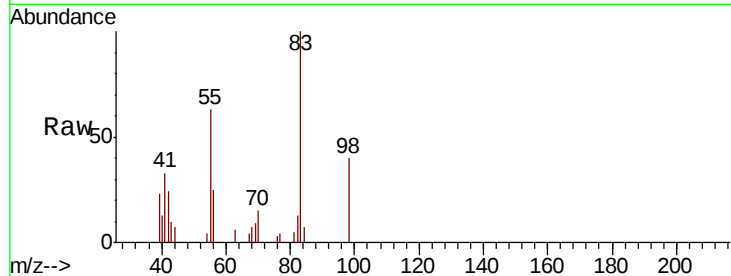
#39
Methvlcvclohexane
Concen: 0.399 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.3	60.2	90.4
98	39.9	40.5	60.7#

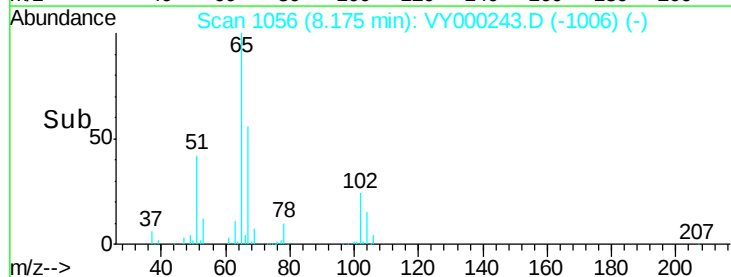
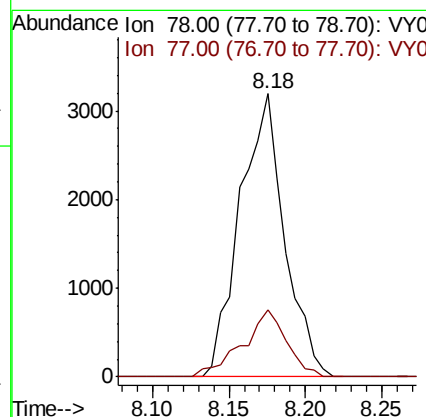
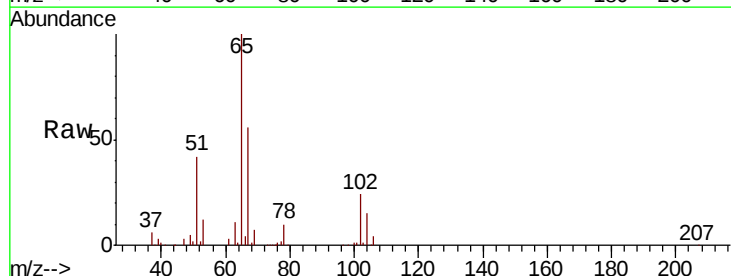
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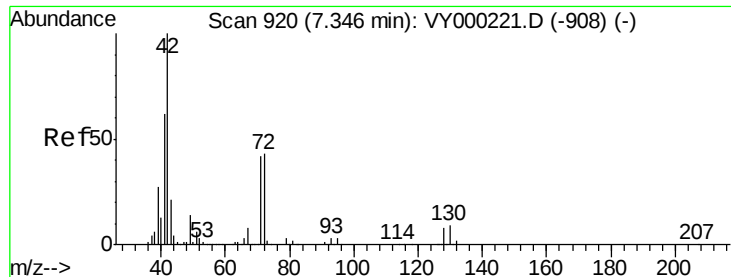
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#40
Benzene
Concen: 0.452 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0





#41

Methacrylonitrile

Concen: 0.490 ug/l m

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 41 Resp: 3280

Ion Ratio Lower Upper

41 100

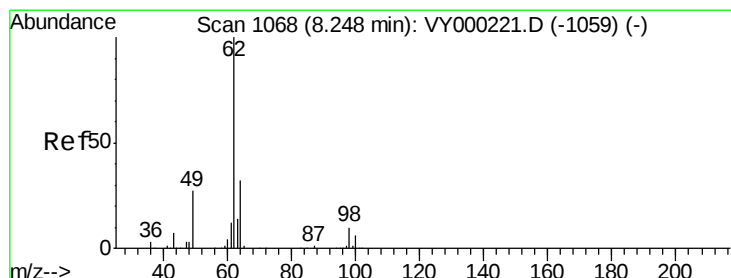
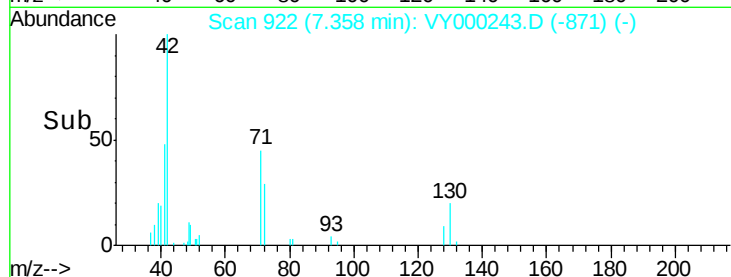
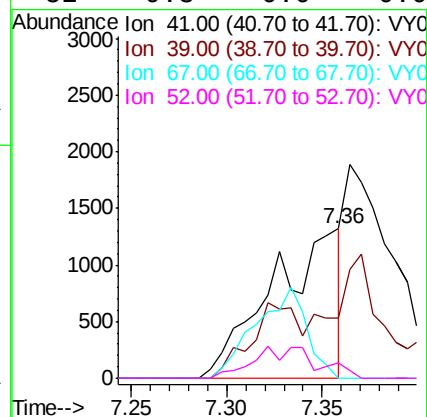
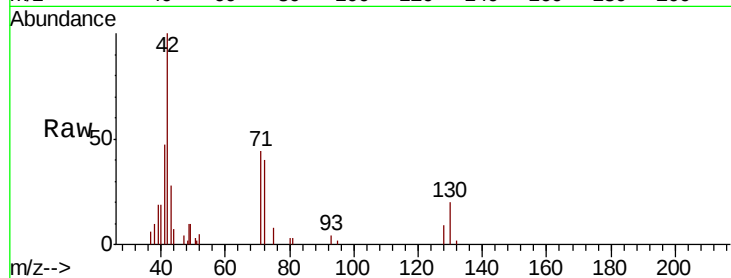
39 35.8 74.7 112.1#

67 45.8 0.0 0.0#

52 9.3 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 0.617 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VY000243.D

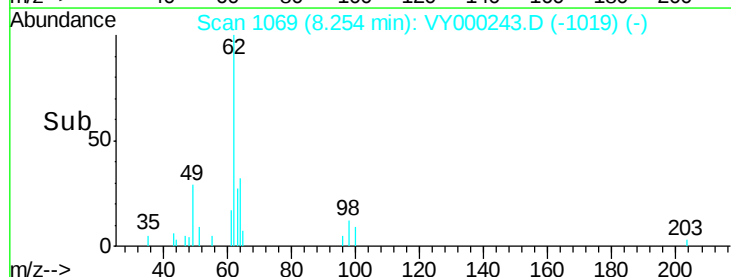
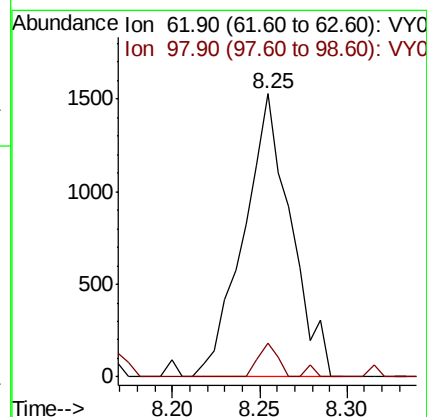
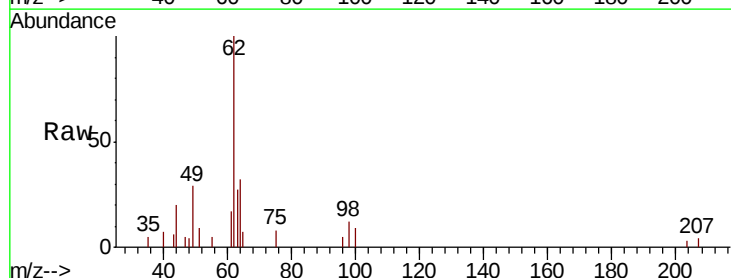
Acq: 09 Oct 2019 15:07

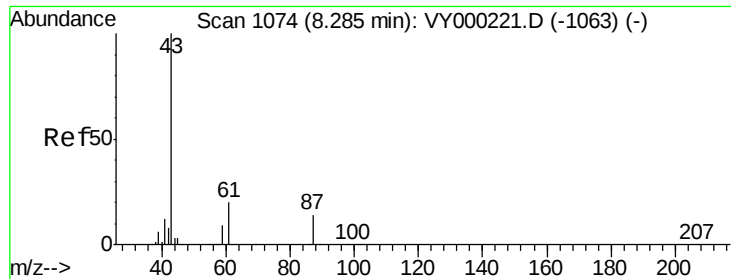
Tgt Ion: 62 Resp: 2859

Ion Ratio Lower Upper

62 100

98 4.9 0.0 20.0





#43

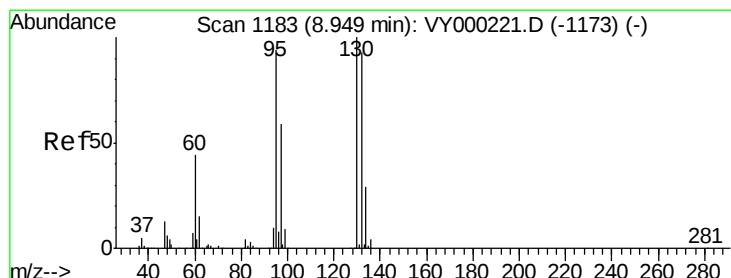
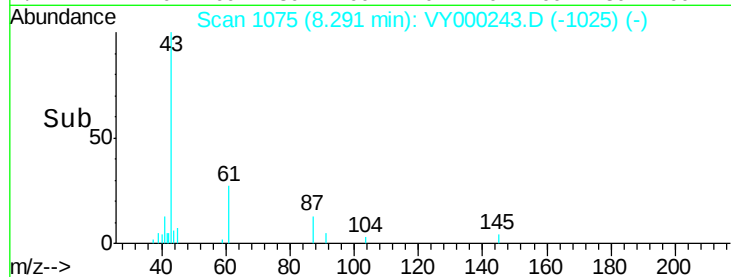
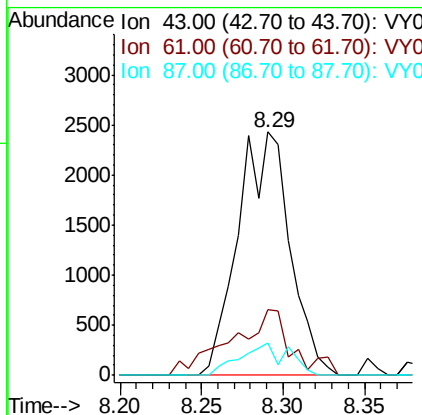
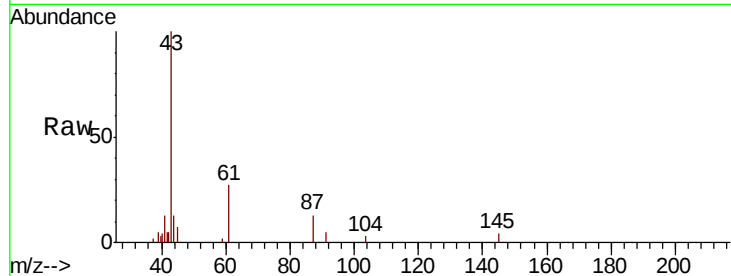
Isopropyl Acetate
 Concen: 0.493 ug/l
 RT: 8.29 min Scan# 1075
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.8	20.1	30.1#
87	12.3	10.6	15.8

Manual Integrations
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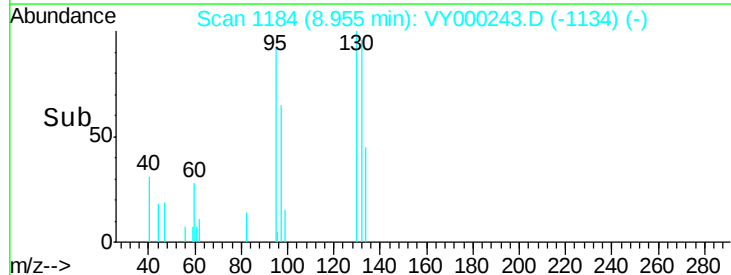
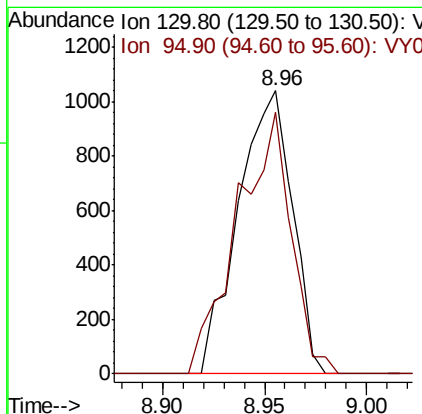
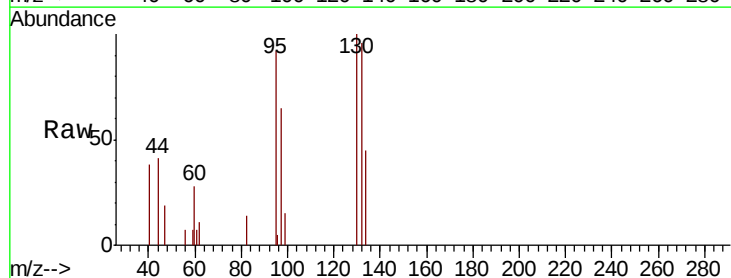
MMDadoda
 10/11/2019 8:40:41 AM

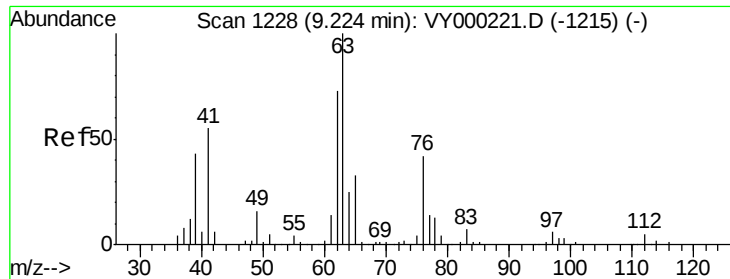


#44

Trichloroethene
 Concen: 0.496 ug/l
 RT: 8.96 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	189.0





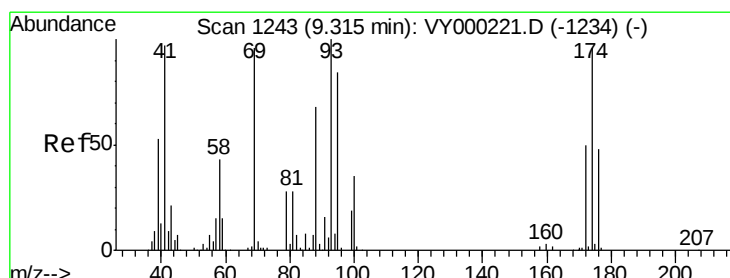
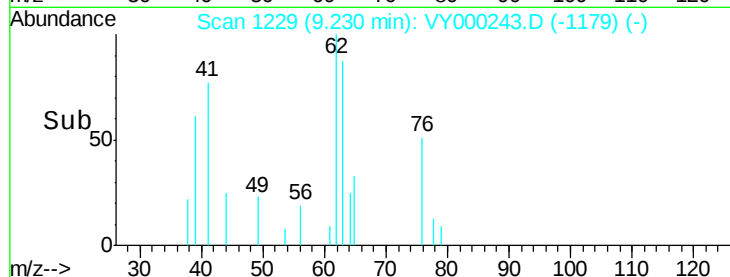
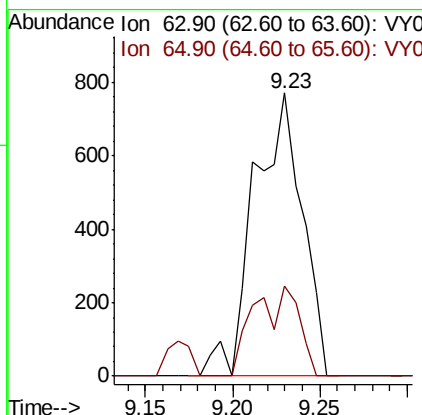
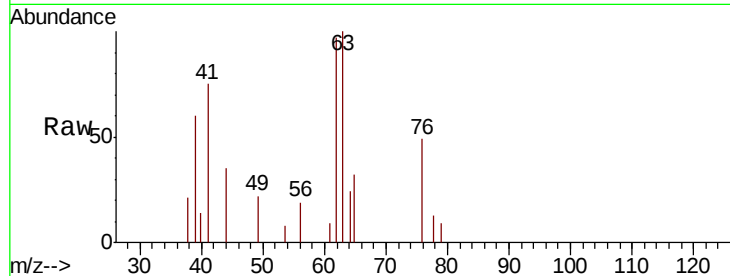
#45
 1,2-Dichloropropane
 Concen: 0.414 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion: 63 Resp: 1477
 Ion Ratio Lower Upper
 63 100
 65 32.0 26.6 39.8

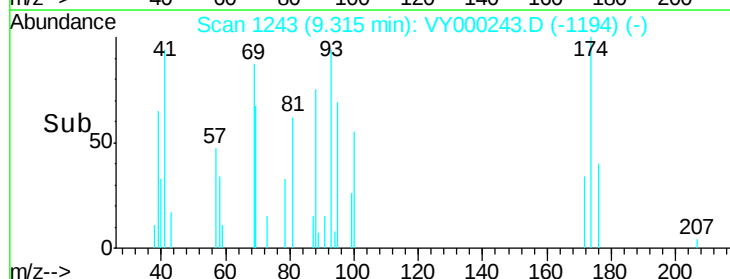
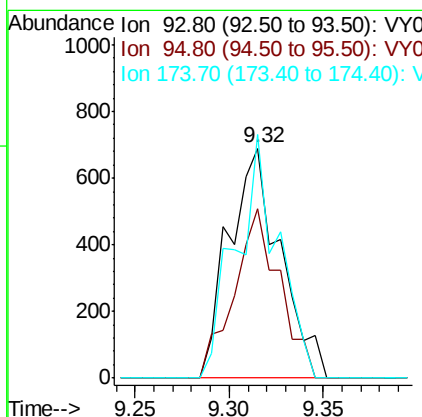
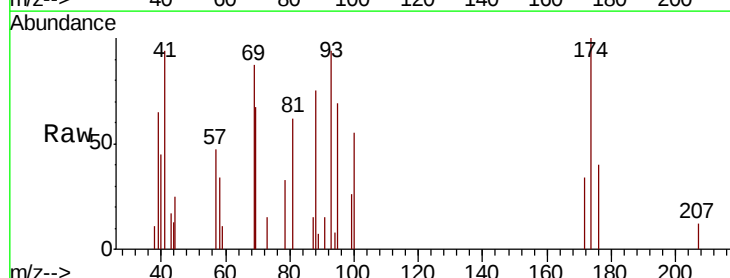
Manual Integrations
 APPROVED

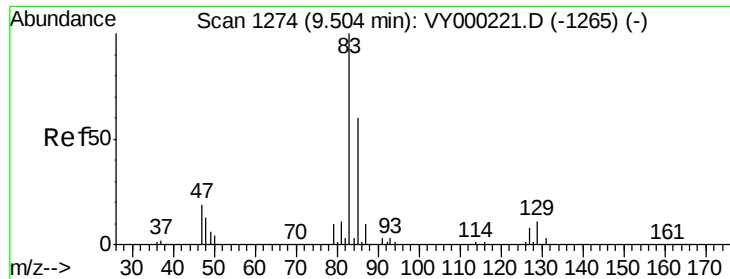
MMDadoda
 10/11/2019 8:40:41 AM



#46
 Dibromomethane
 Concen: 0.522 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion: 93 Resp: 1306
 Ion Ratio Lower Upper
 93 100
 95 64.8 67.0 100.6#
 174 87.7 77.5 116.3





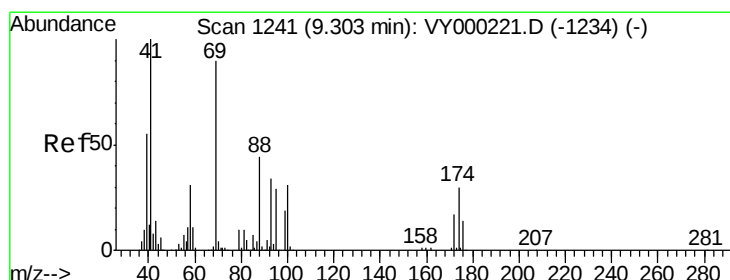
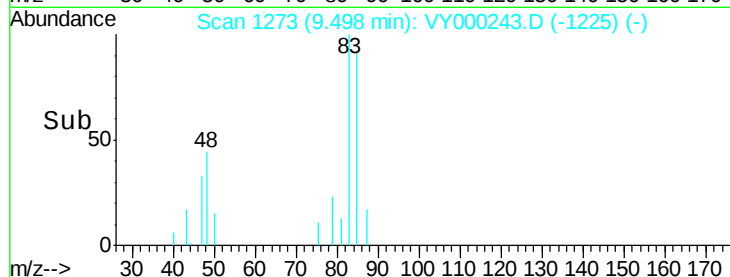
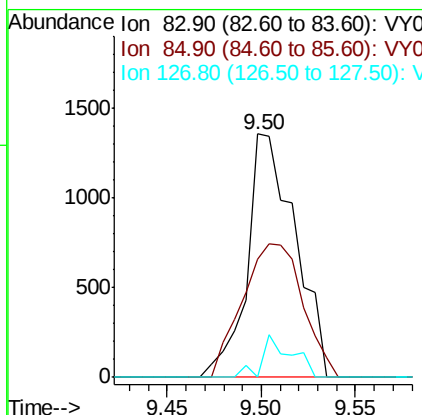
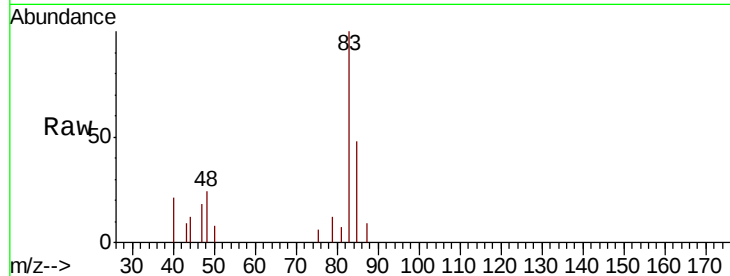
#47
Bromodichloromethane
Concen: 0.490 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
83	100		
85	48.5	48.0	72.0
127	0.0	6.5	9.7#

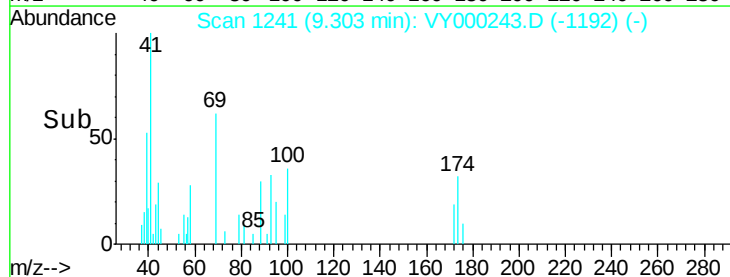
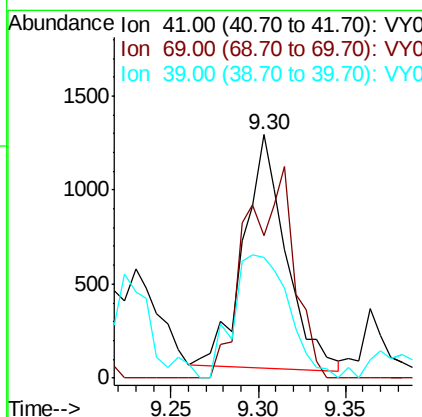
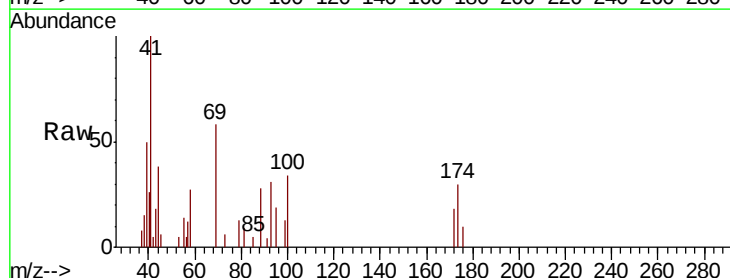
Manual Integrations
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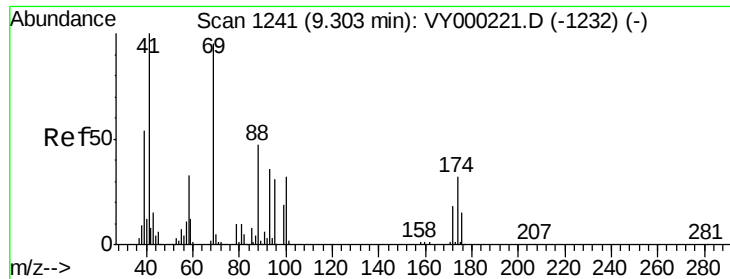
MMDadoda
10/11/2019 8:40:41 AM



#48
Methyl methacrylate
Concen: 0.426 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
41	100		
69	101.3	70.3	105.5
39	69.0	45.5	68.3#





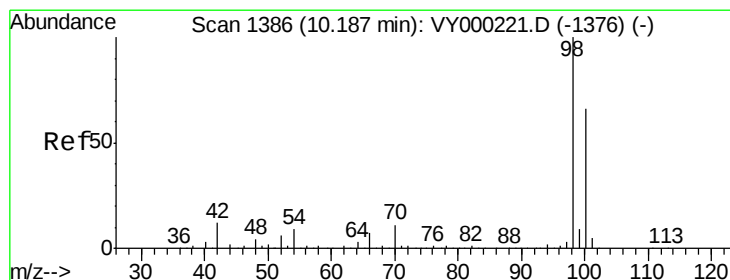
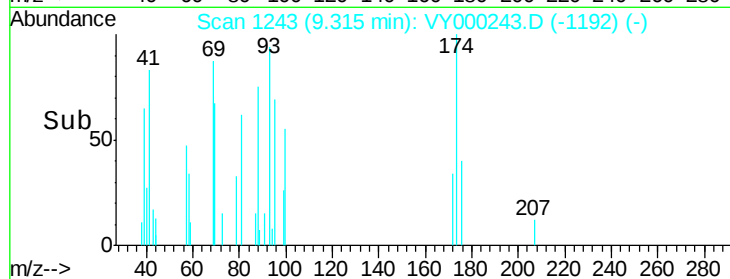
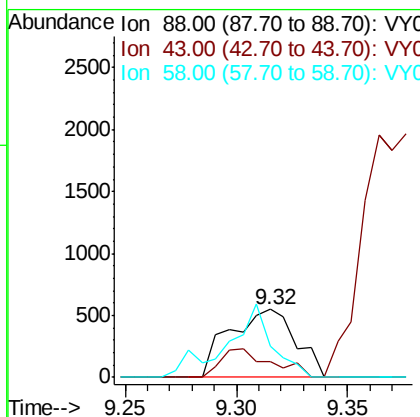
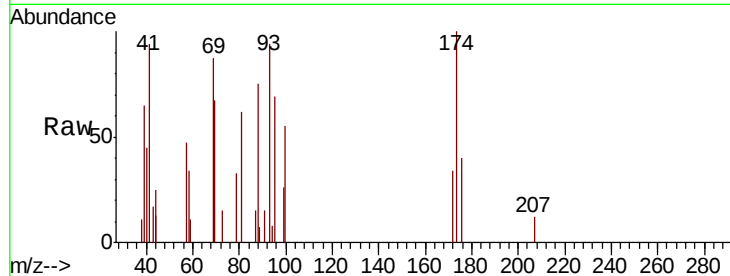
#49
1,4-Dioxane
Concen: 8.940 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	88	Resp	1133
Ion Ratio	Lower	Upper	
88	100		
43	31.9	24.5	36.7
58	74.0	54.2	81.2

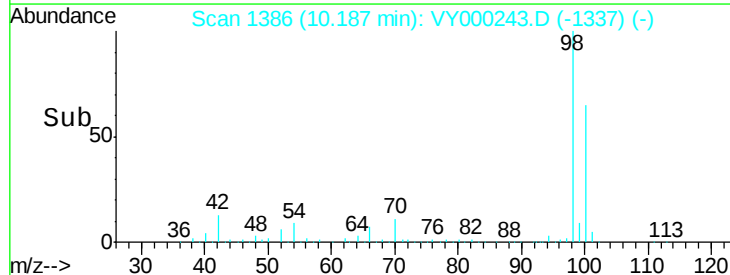
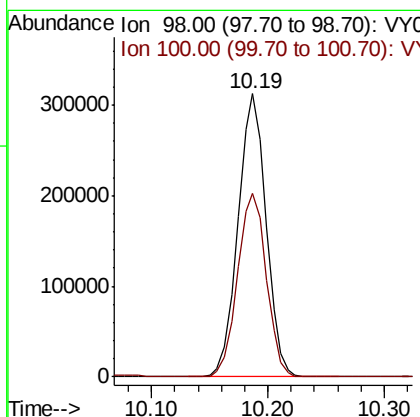
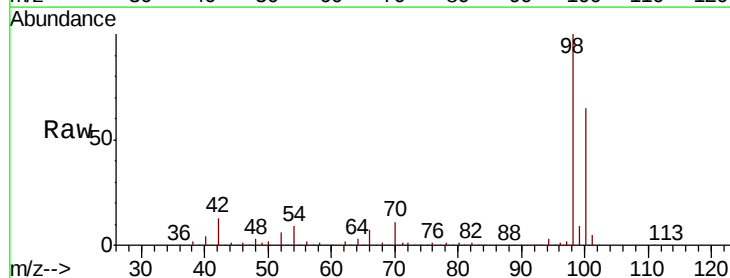
Manual Integrations
APPROVED

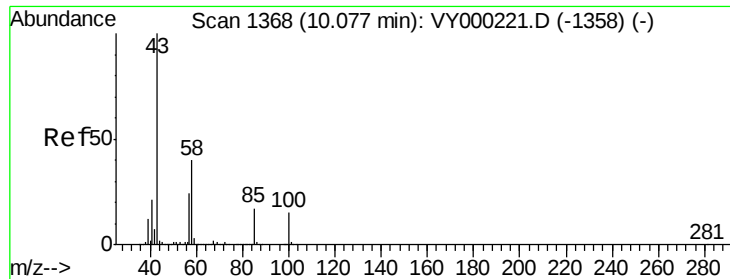
MMDadoda
10/11/2019 8:40:41 AM



#50
Toluene-d8
Concen: 46.466 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	98	Resp	525408
Ion Ratio	Lower	Upper	
98	100		
100	66.4	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 2.248 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 18482

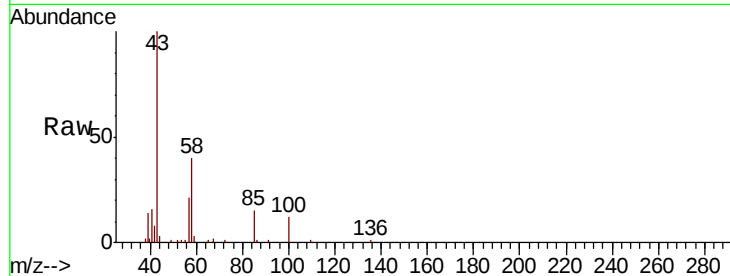
Ion Ratio Lower Upper

43 100

58 39.4 31.7 47.5

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:40:41 AM



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

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

12000

10000

8000

6000

4000

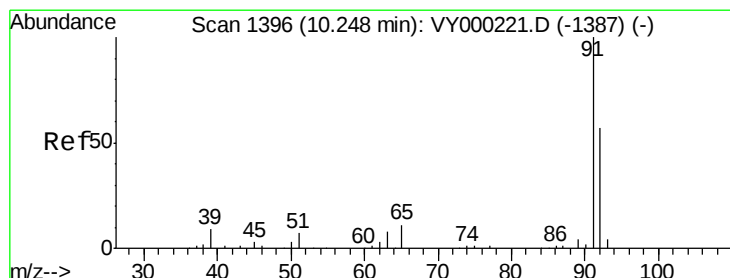
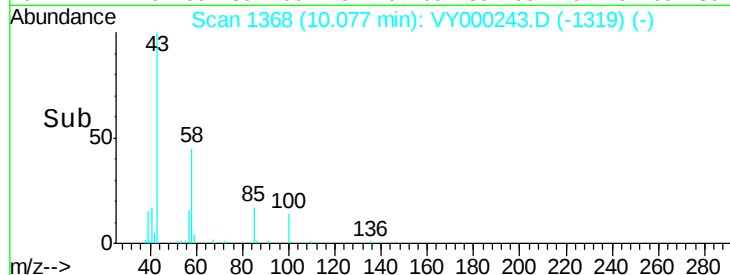
2000

0

10.00

10.10

Time-->



#52

Toluene

Concen: 0.428 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000243.D

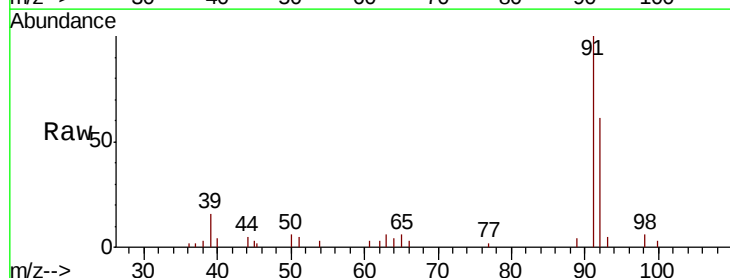
Acq: 09 Oct 2019 15:07

Tgt Ion: 92 Resp: 3915

Ion Ratio Lower Upper

92 100

91 176.4 139.1 208.7



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

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

5000

4000

3000

2000

1000

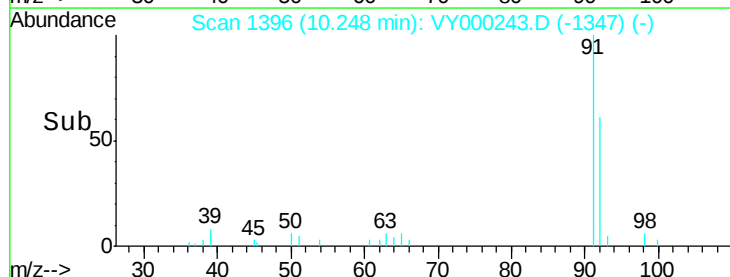
0

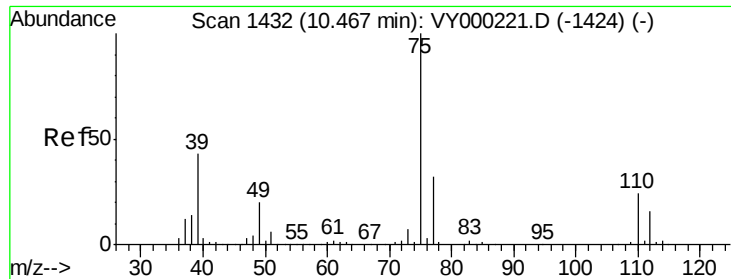
10.20

10.25

10.30

Time-->





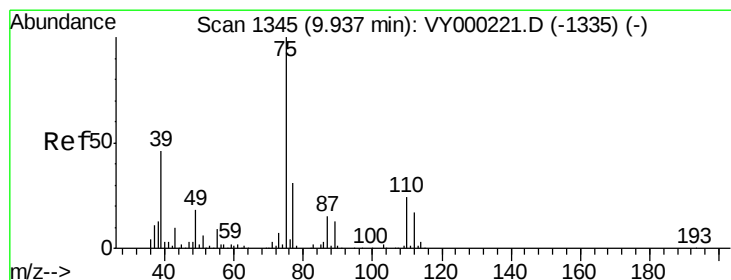
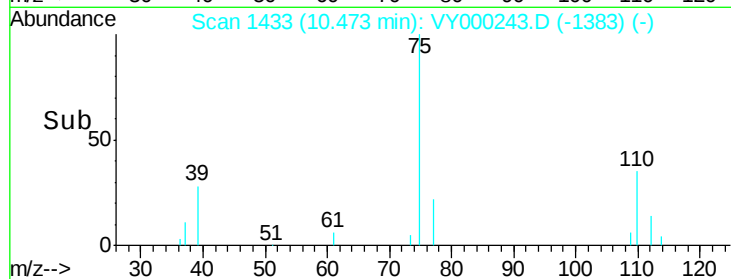
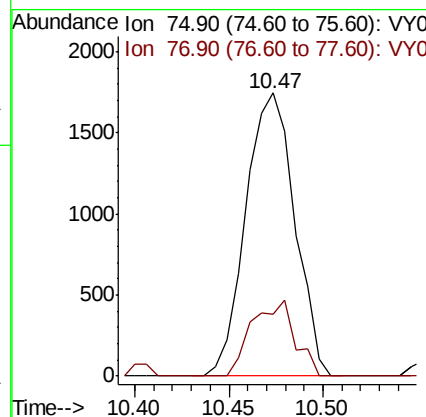
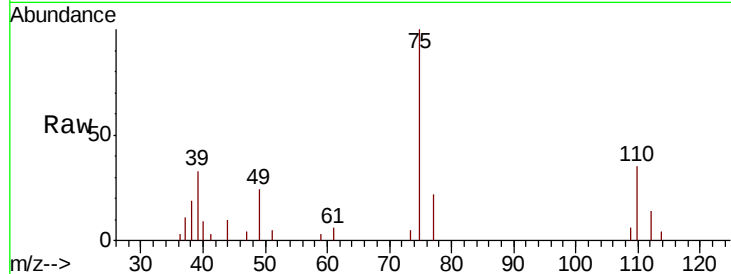
#53
t-1,3-Dichloropropene
Concen: 0.566 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 75 Resp: 3144
Ion Ratio Lower Upper
75 100
77 21.9 25.3 37.9#

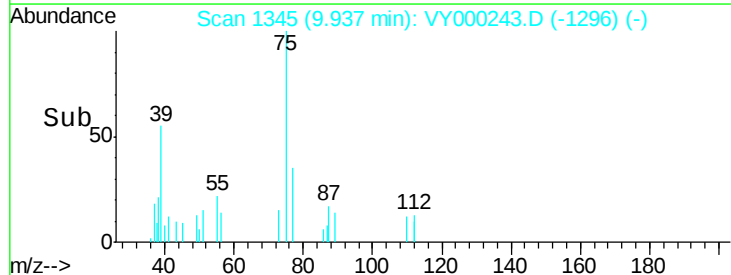
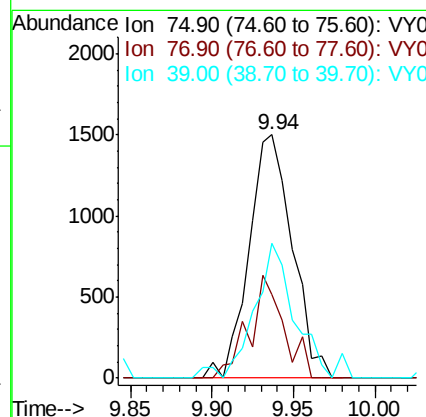
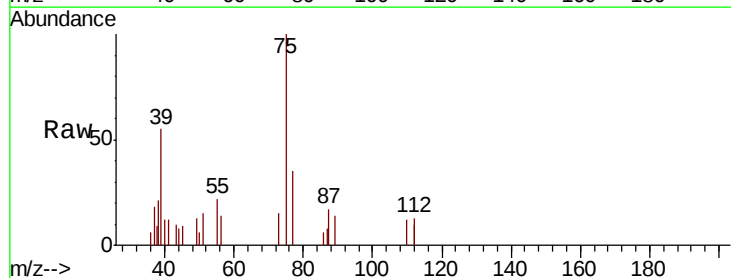
Manual Integrations
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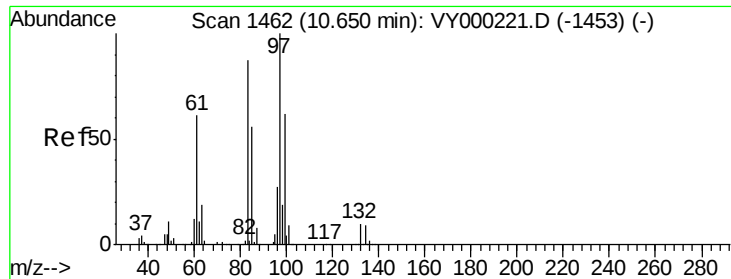
MMDadoda
10/11/2019 8:40:41 AM



#54
cis-1,3-Dichloropropene
Concen: 0.463 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion: 75 Resp: 2781
Ion Ratio Lower Upper
75 100
77 34.6 25.0 37.4
39 46.7 36.3 54.5





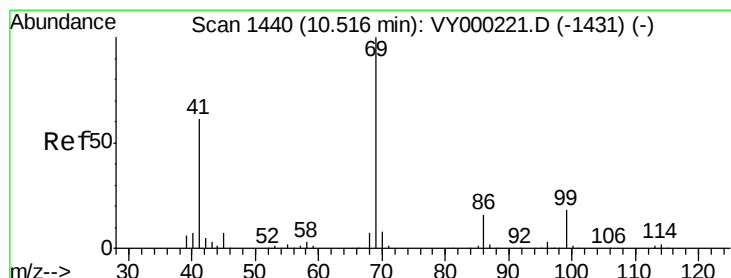
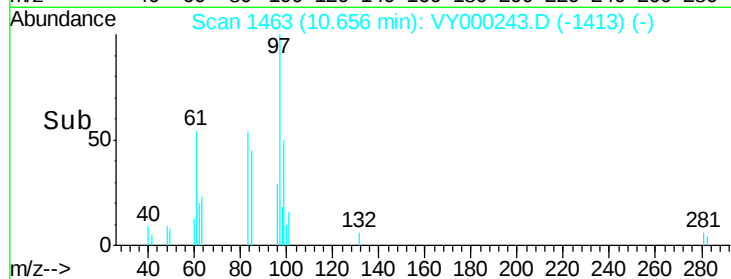
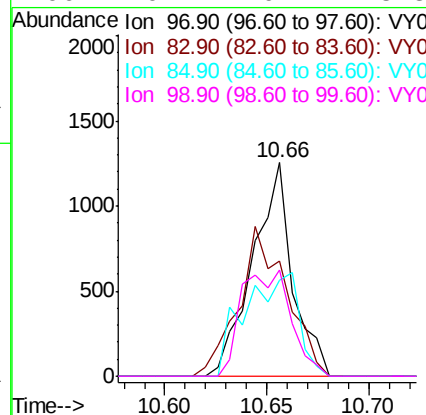
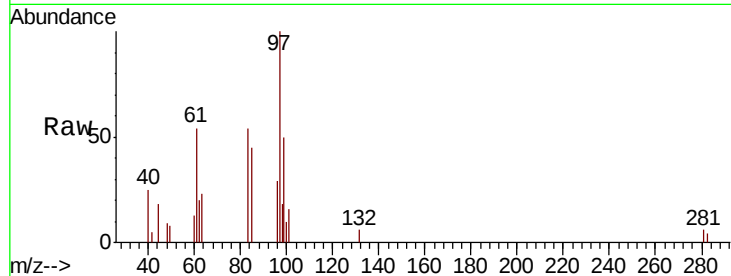
#55
 1,1,2-Trichloroethane
 Concen: 0.475 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
97	100		
83	53.9	69.4	104.0#
85	45.1	44.6	66.8
99	49.7	49.2	73.8

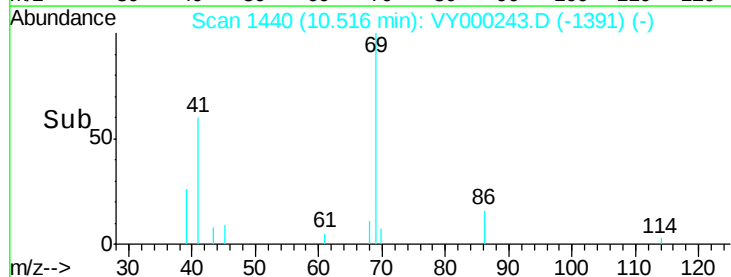
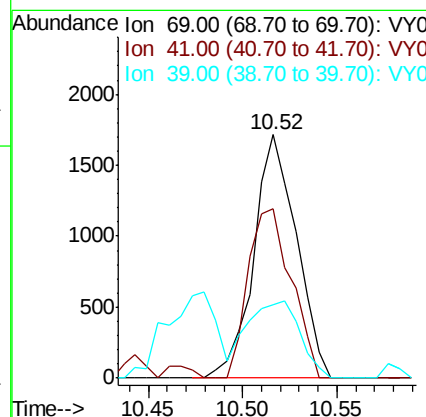
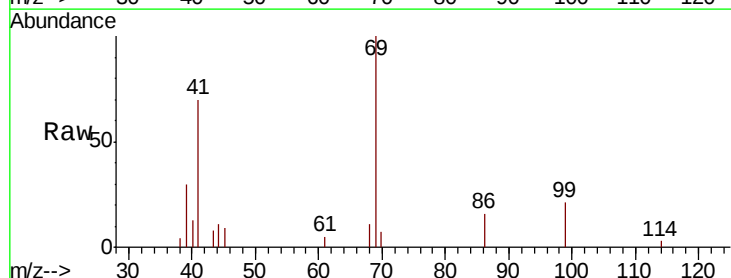
Manual Integrations
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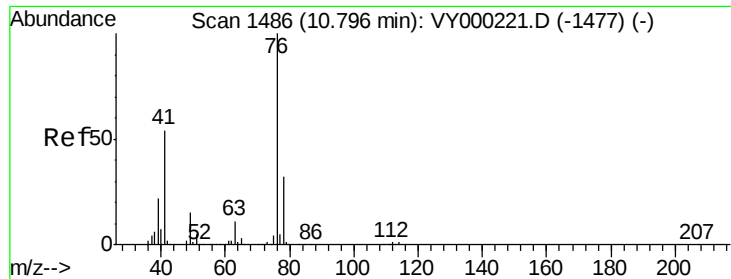
MMDadoda
 10/11/2019 8:40:41 AM



#56
 Ethyl methacrylate
 Concen: 0.424 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.7	51.2	76.8
39	39.5	27.0	40.4





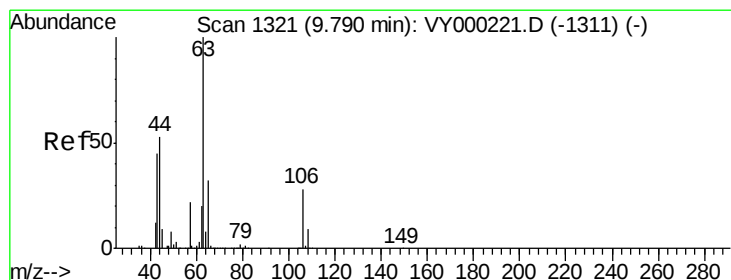
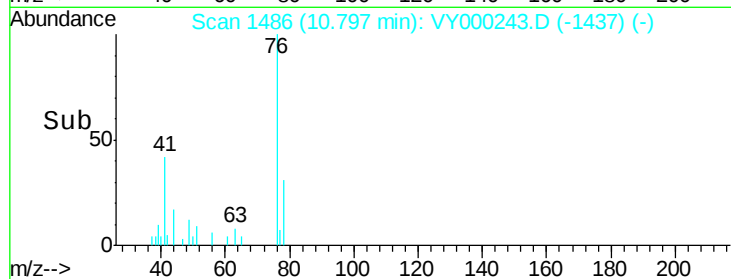
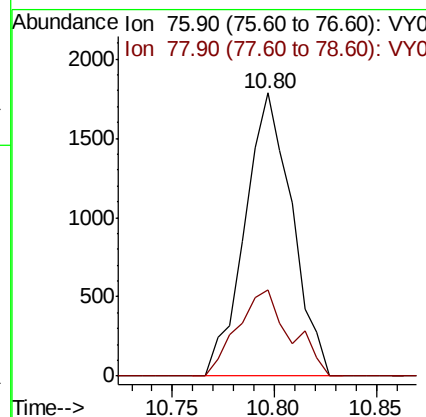
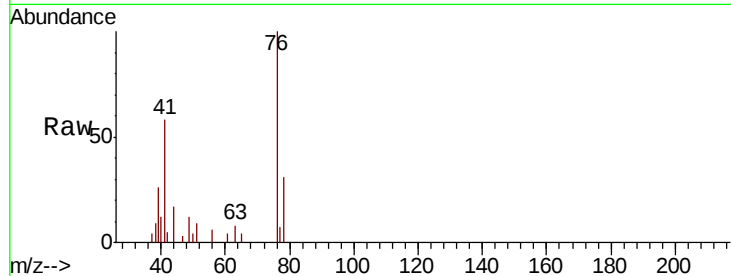
#57
 1,3-Dichloropropane
 Concen: 0.468 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.1	26.0	39.0

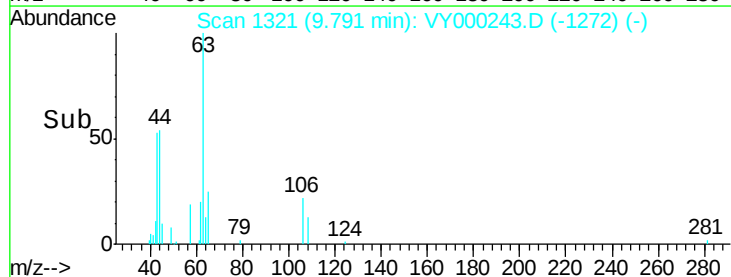
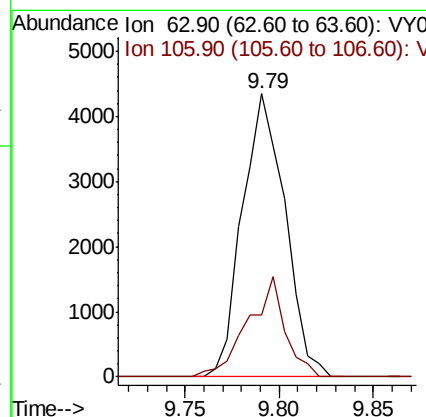
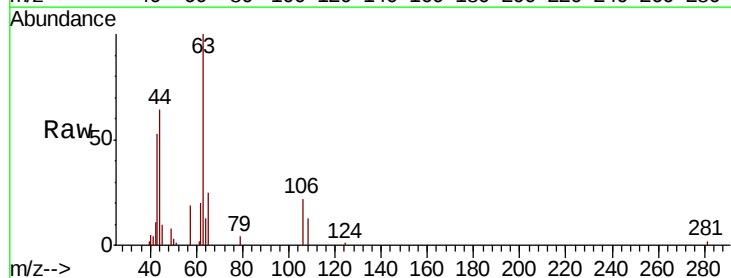
Manual Integrations
 APPROVED

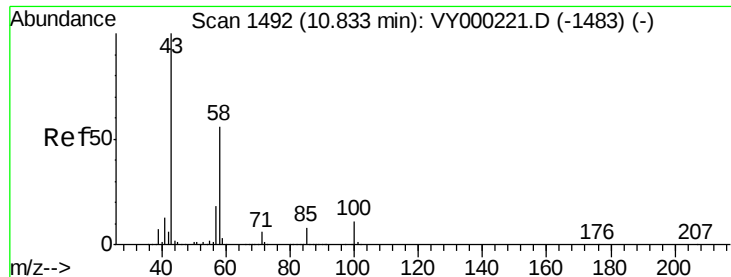
MMDadoda
 10/11/2019 8:40:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.415 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	22.6	33.8





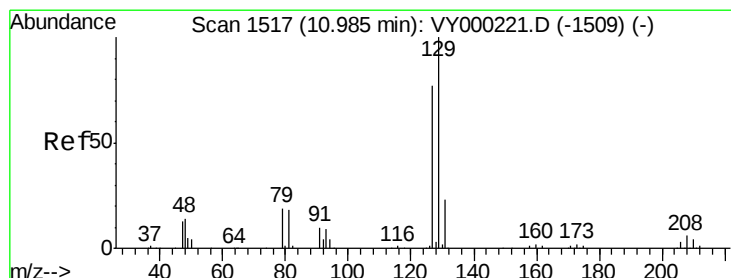
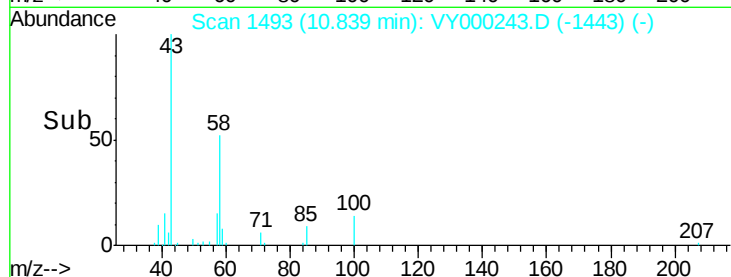
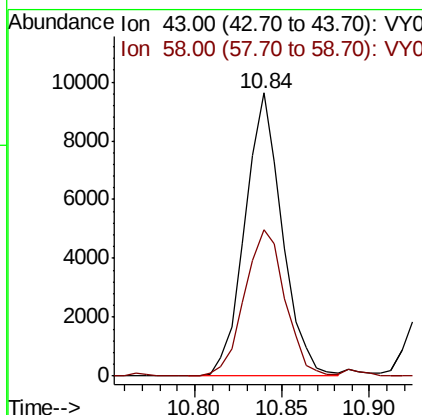
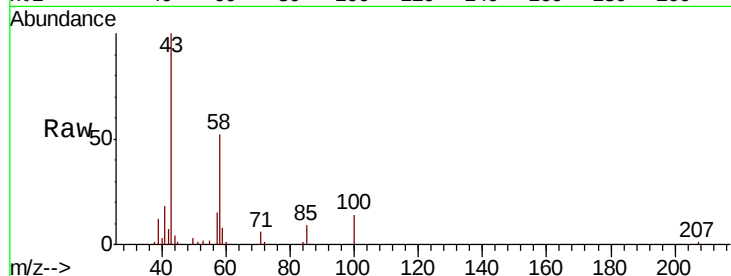
#59
2-Hexanone
Concen: 2.046 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 43 Resp: 14255
Ion Ratio Lower Upper
43 100
58 56.4 28.2 84.6

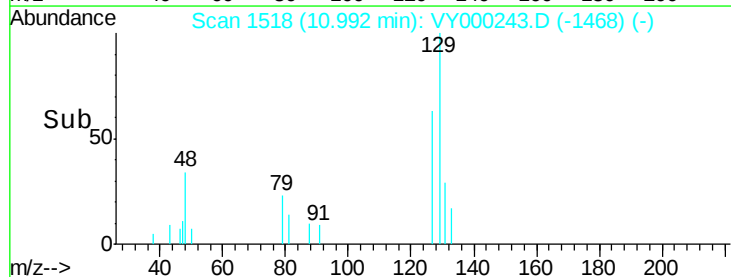
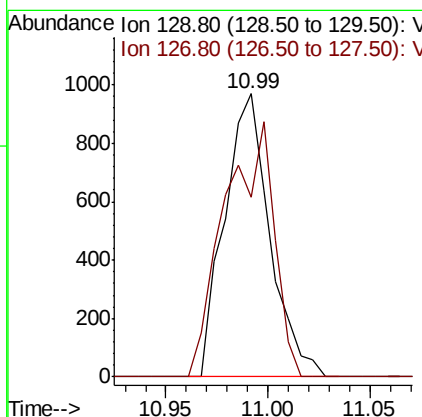
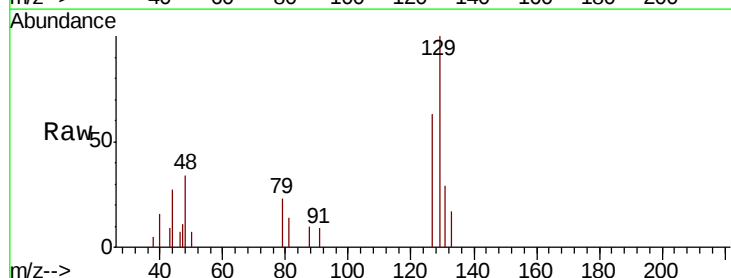
Manual Integrations
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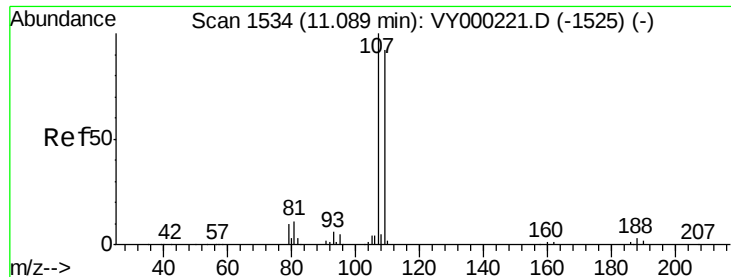
MMDadoda
10/11/2019 8:40:41 AM



#60
Dibromochloromethane
Concen: 0.390 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion: 129 Resp: 1486
Ion Ratio Lower Upper
129 100
127 99.0 39.1 117.2





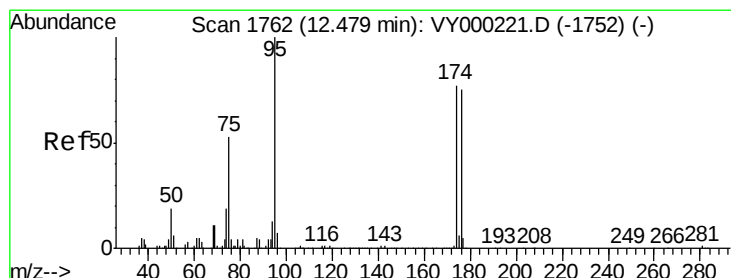
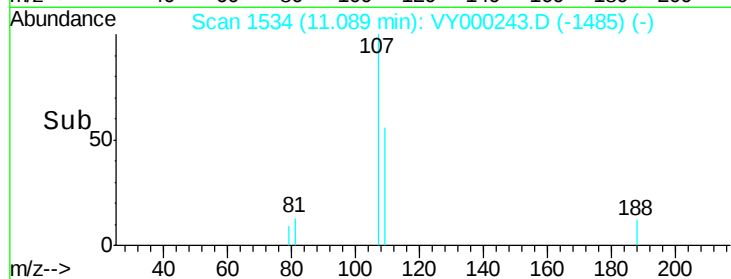
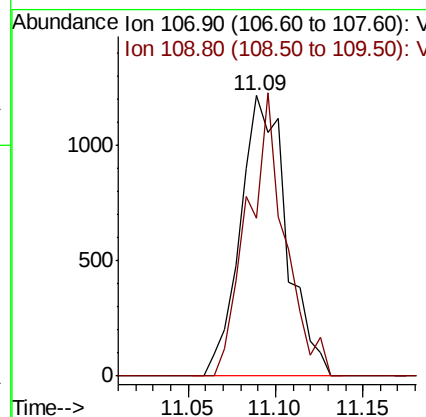
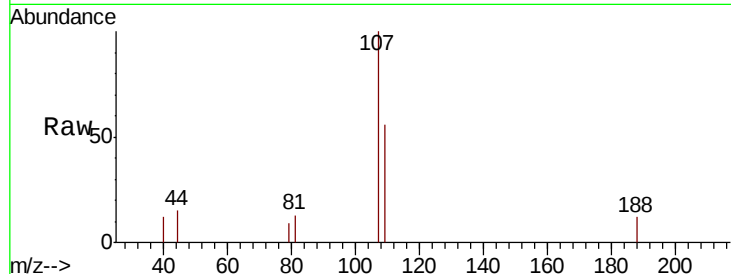
#61
 1,2-Dibromoethane
 Concen: 0.583 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
107	100		
109	81.8	75.0	112.6

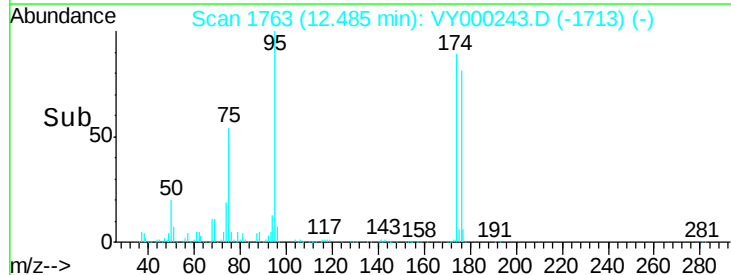
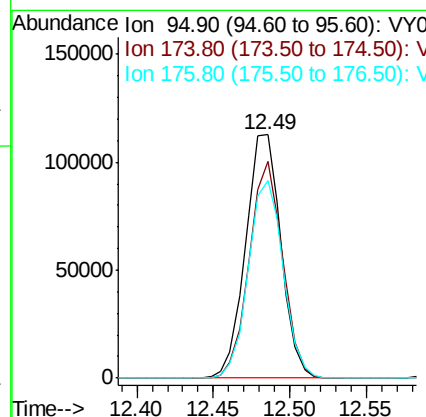
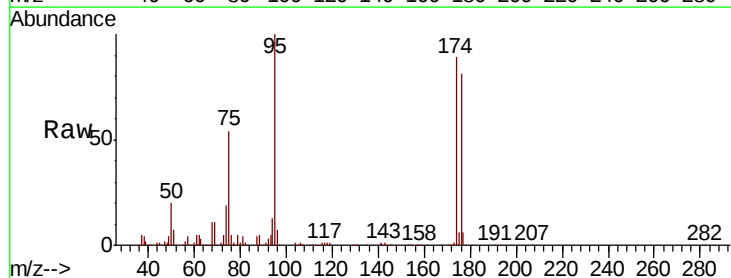
Manual Integrations
 APPROVED

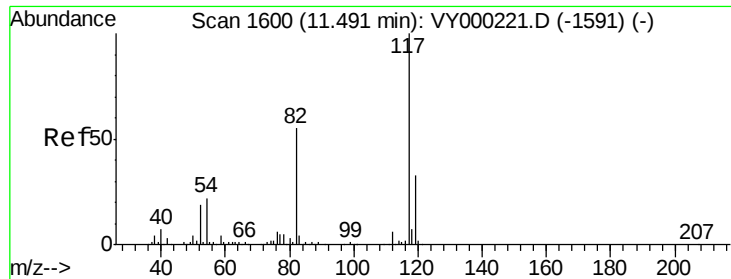
MMDadoda
 10/11/2019 8:40:41 AM



#62
 4-Bromofluorobenzene
 Concen: 45.347 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	157.0
176	79.9	0.0	153.0





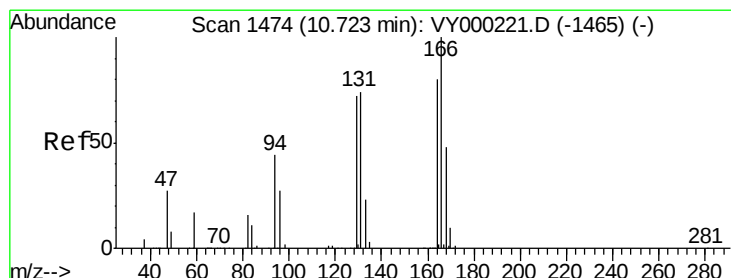
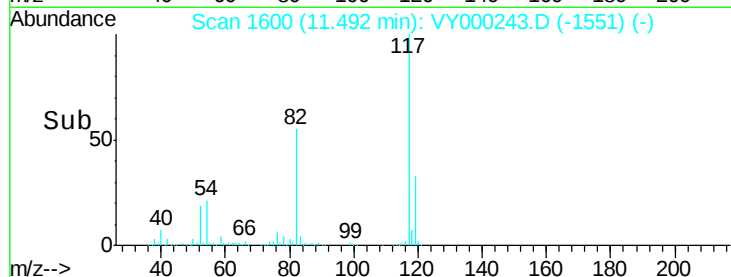
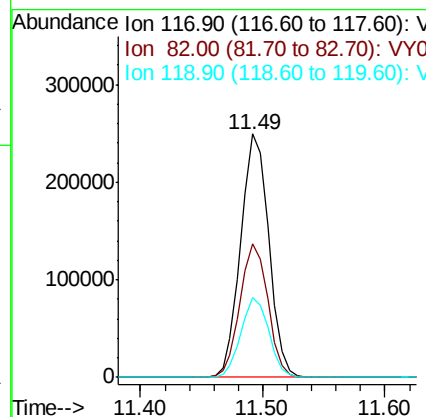
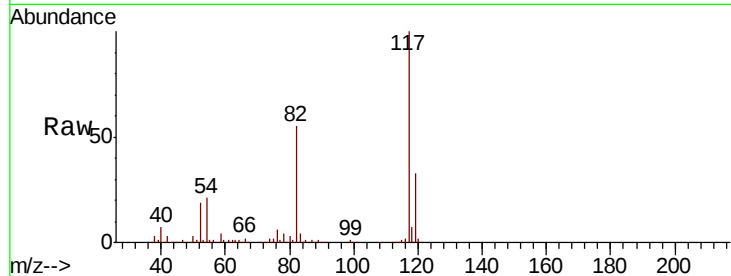
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
117	100	397783		
82	55.0		44.4	66.6
119	33.0		26.2	39.2

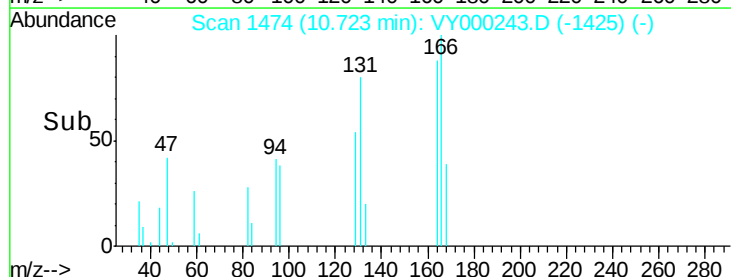
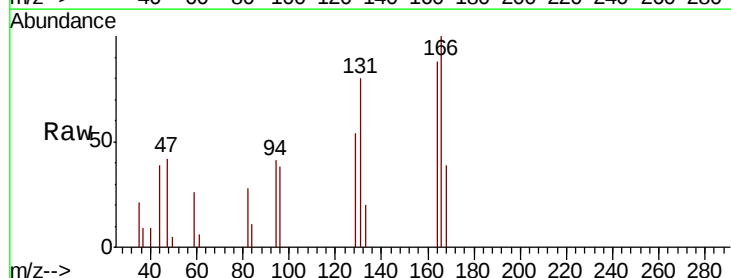
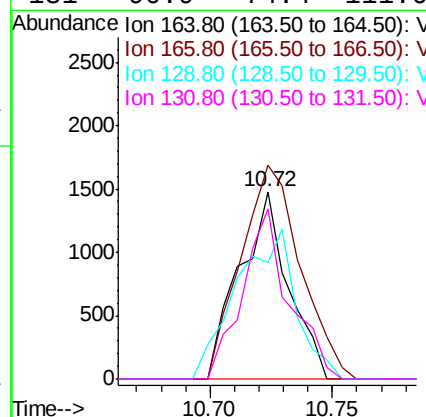
Manual Integrations
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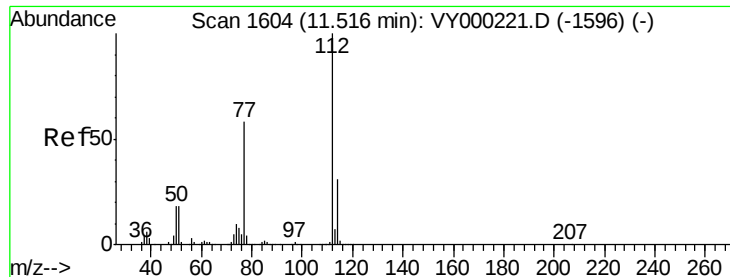
MMDadoda
10/11/2019 8:40:41 AM



#64
Tetrachloroethene
Concen: 0.564 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2049		
166	114.2		100.3	150.5
129	62.2		72.4	108.6#
131	90.9		74.4	111.6





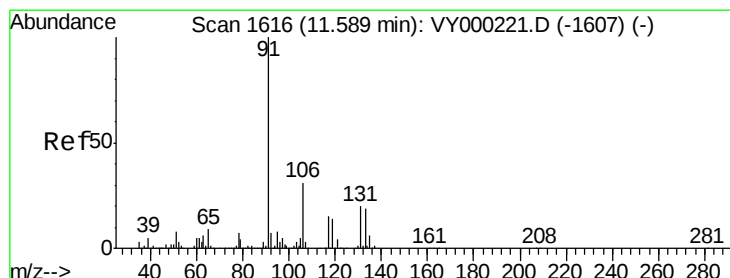
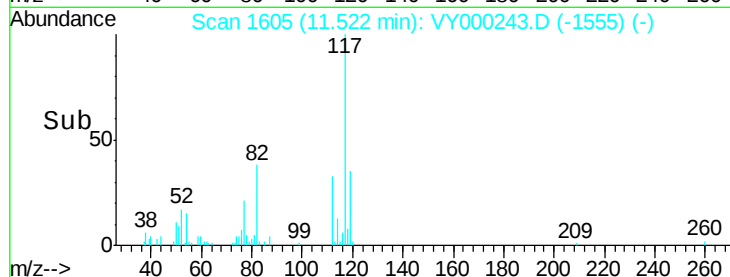
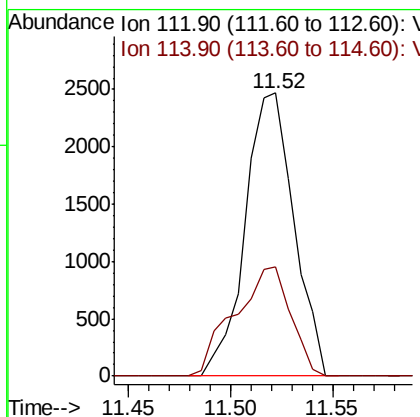
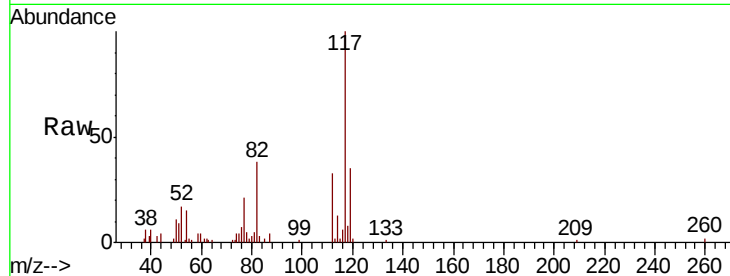
#65
Chlorobenzene
Concen: 0.446 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
112	100		
114	38.5	25.0	37.4#

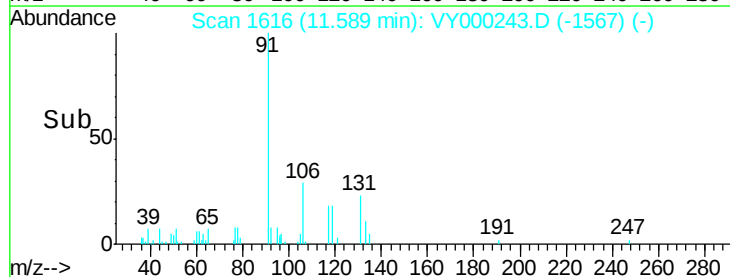
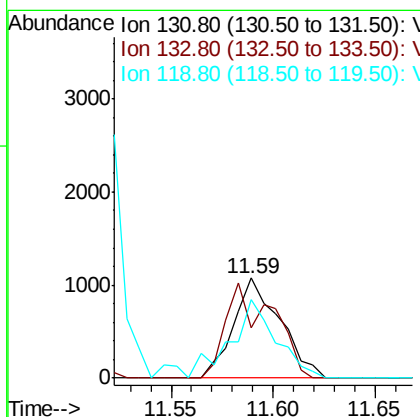
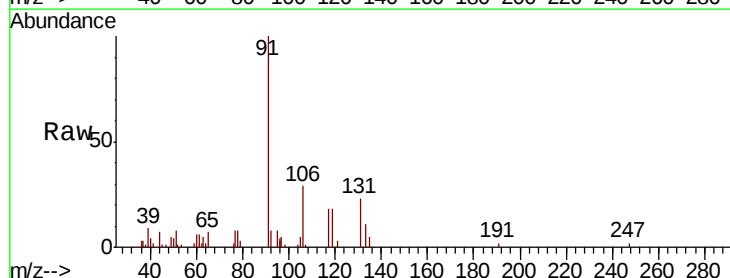
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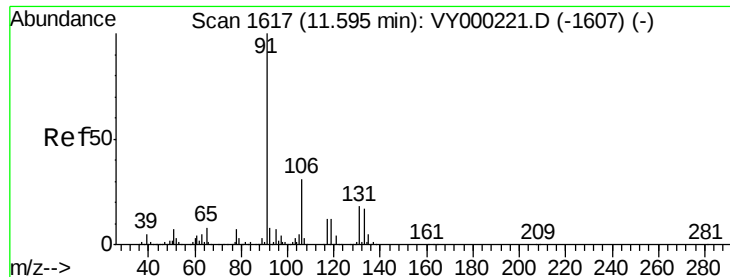
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.514 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.0	141.2
119	0.0	33.3	99.8#





#67

Ethyl Benzene

Concen: 0.481 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 7923

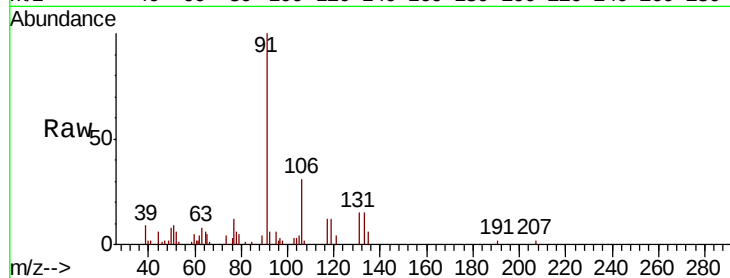
Ion Ratio Lower Upper

91 100

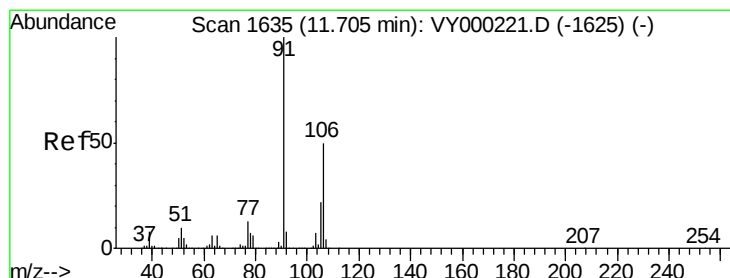
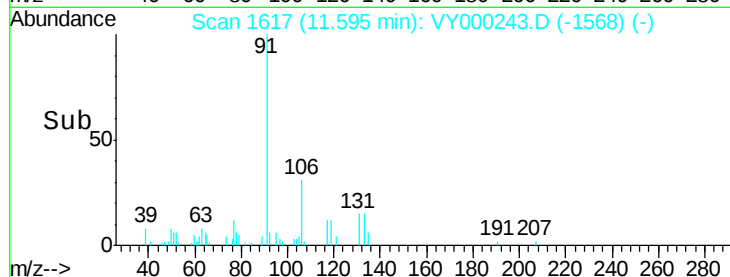
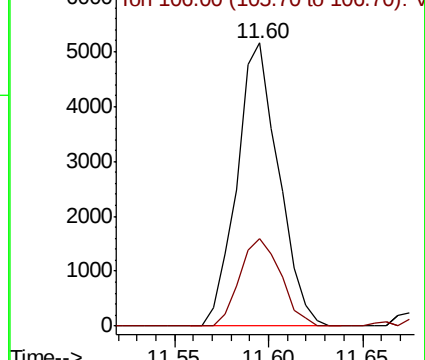
106 31.1 25.2 37.8

Manual Integrations
APPROVED

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10/11/2019 8:40:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1607) (-)



#68

m/p-Xylenes

Concen: 0.980 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY000243.D

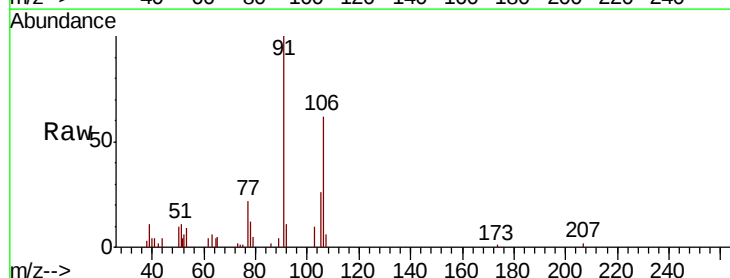
Acq: 09 Oct 2019 15:07

Tgt Ion: 106 Resp: 6159

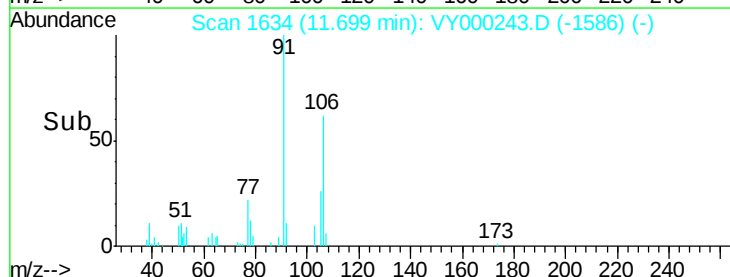
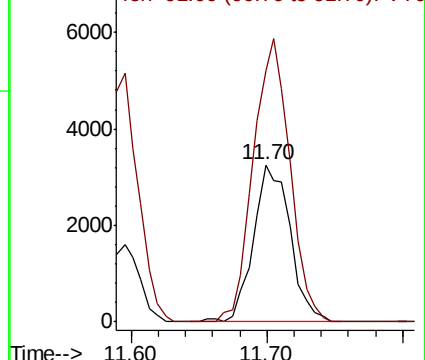
Ion Ratio Lower Upper

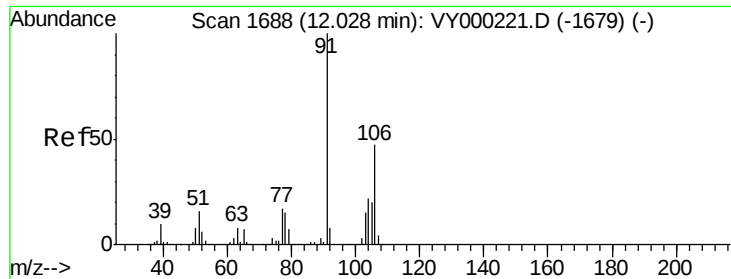
106 100

91 179.3 159.9 239.9



Abundance Ion 106.00 (105.70 to 106.70): VY000221.D (-1625) (-)





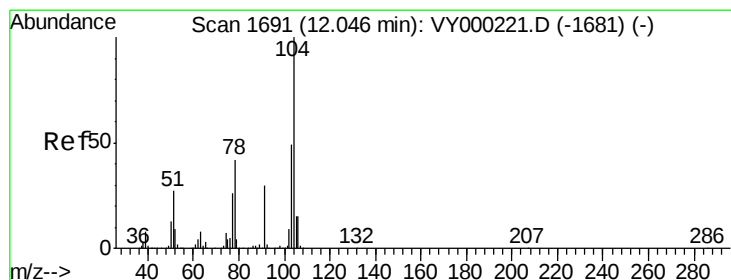
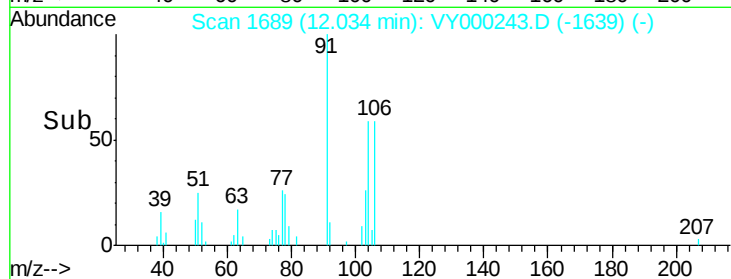
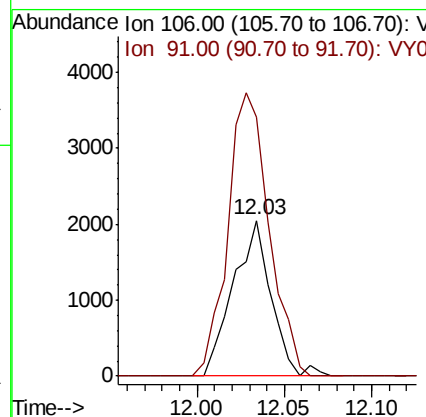
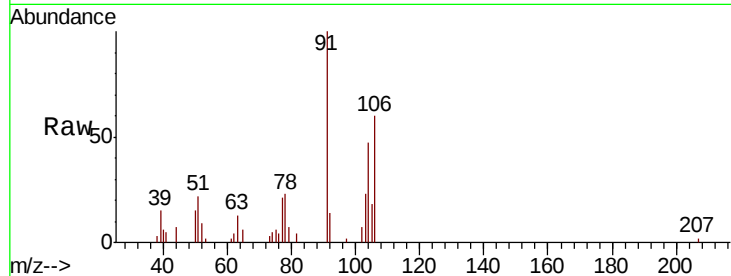
#69
o-Xylene
Concen: 0.509 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		3086		
91	198.3	106.1	318.1		

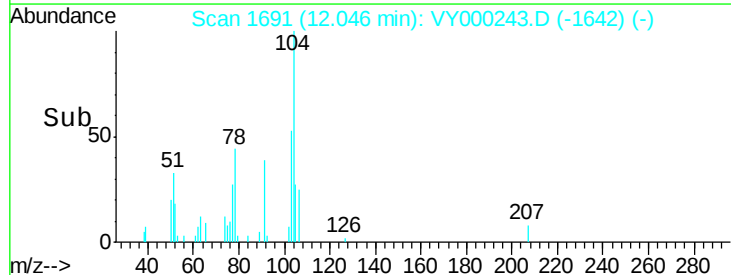
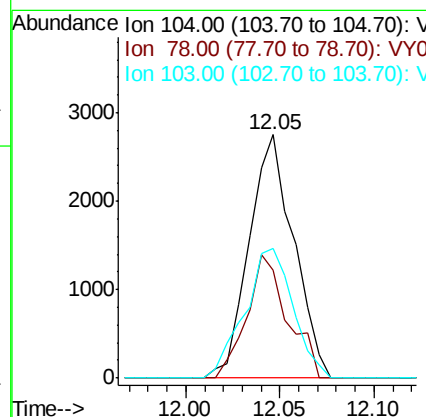
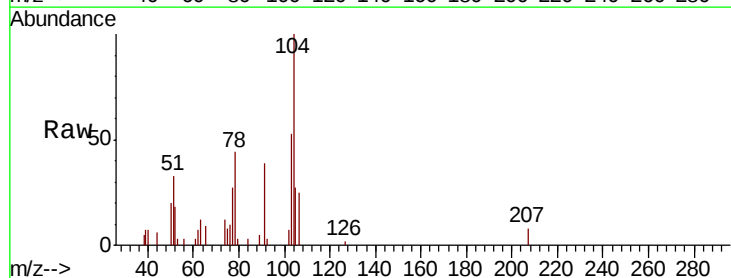
Manual Integrations
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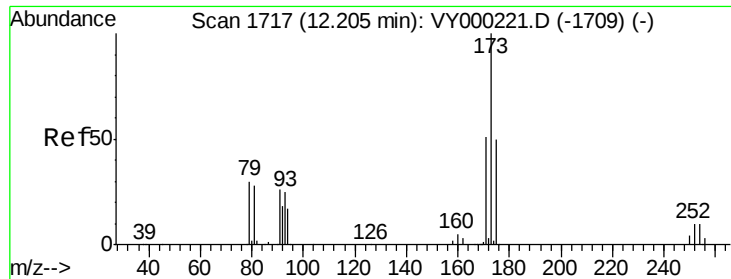
MMDadoda
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#70
Styrene
Concen: 0.432 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		4503		
78	46.4	39.0	58.4		
103	57.7	43.1	64.7		





#71

Bromoform

Concen: 0.480 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

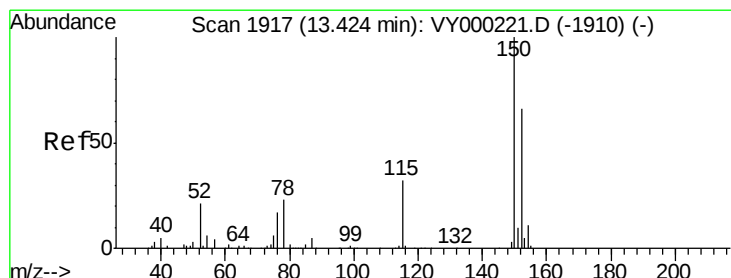
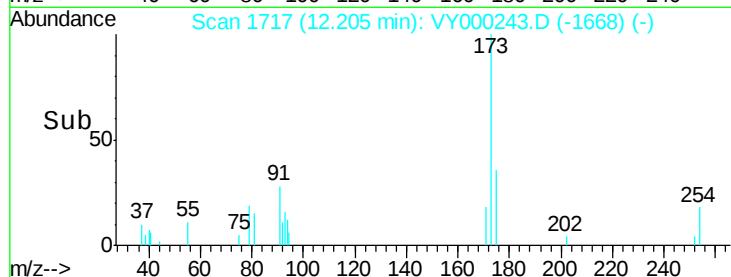
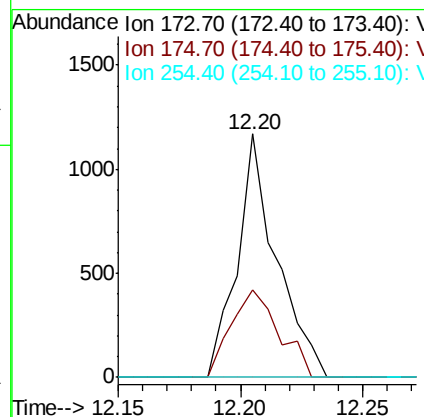
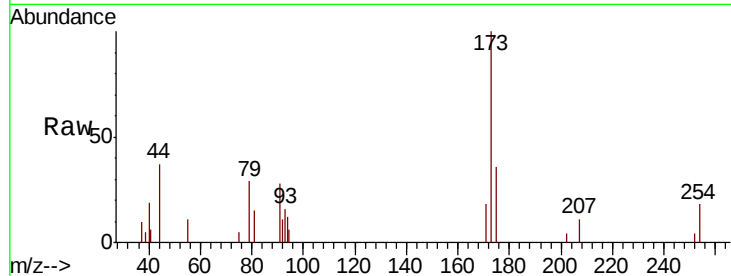
ClientSampleId :

0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
173	100		
175	43.9	24.8	74.3
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

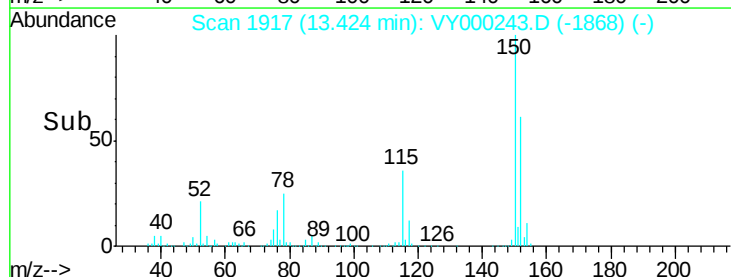
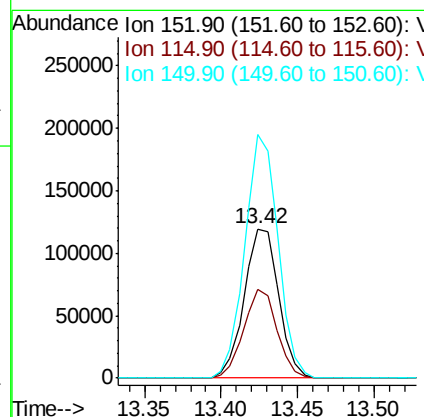
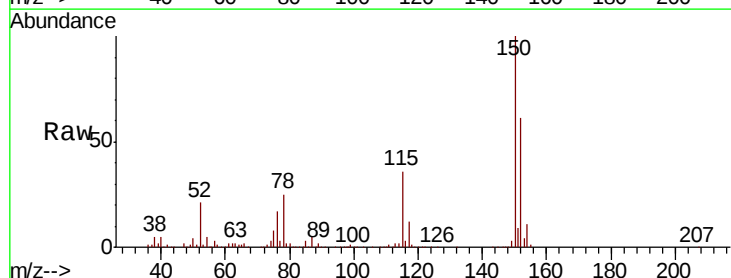
RT: 13.42 min Scan# 1917

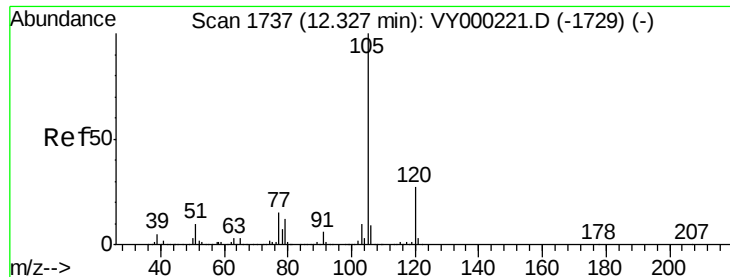
Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.3	88.0
150	157.2	0.0	349.6





#73

Isopropylbenzene

Concen: 0.467 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:105 Resp: 7401

Ion Ratio Lower Upper

105 100

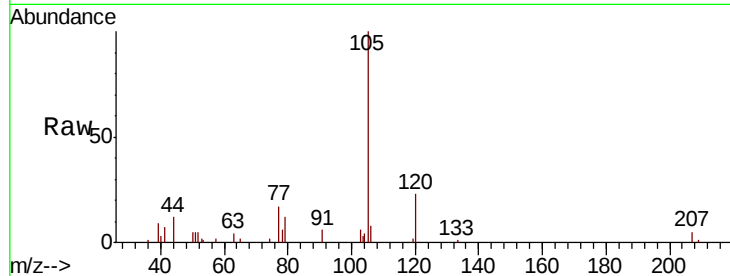
120 29.8 13.6 40.8

Manual Integrations

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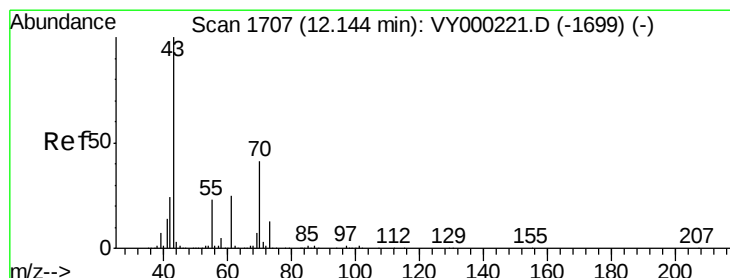
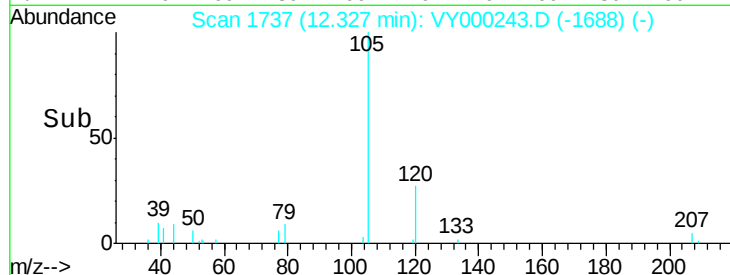
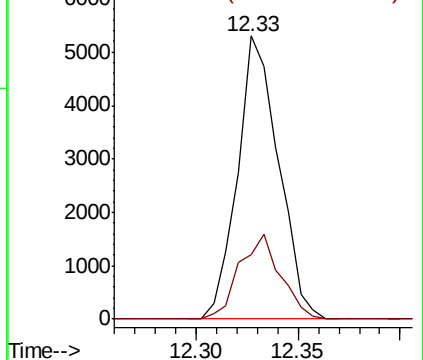
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.373 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Tgt Ion: 43 Resp: 2819

Ion Ratio Lower Upper

43 100

70 42.1 34.9 52.3

55 25.3 18.2 27.2

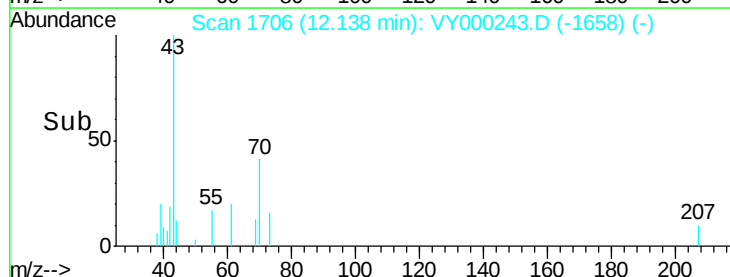
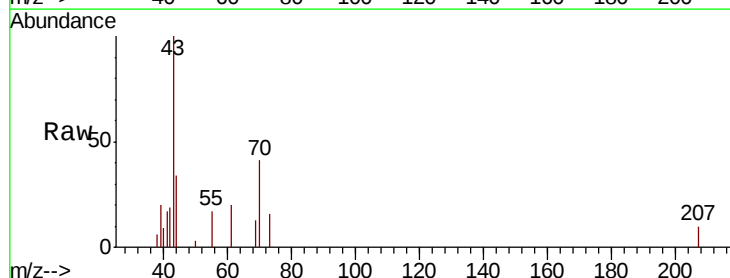
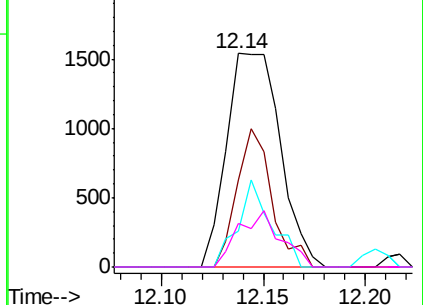
61 20.9 20.1 30.1

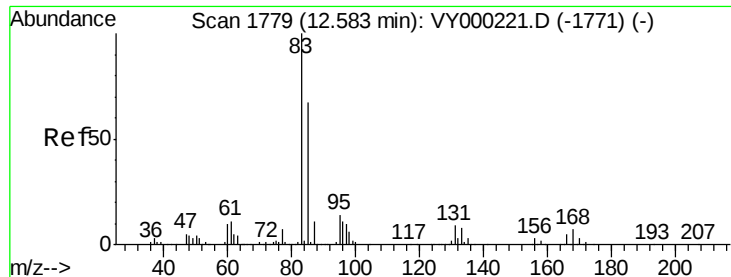
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.430 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

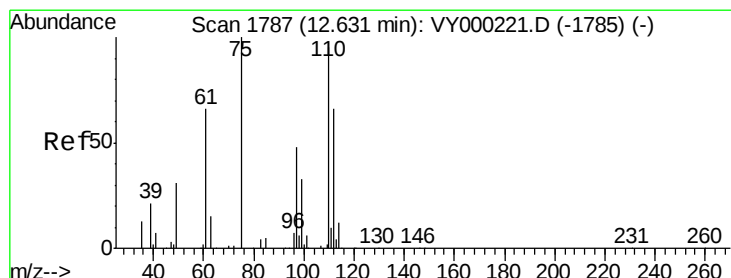
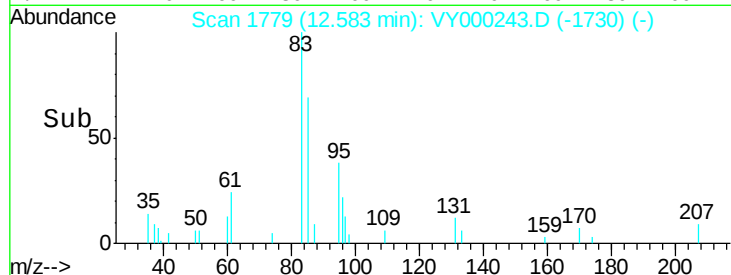
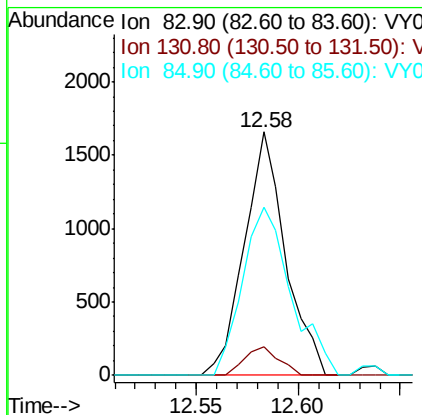
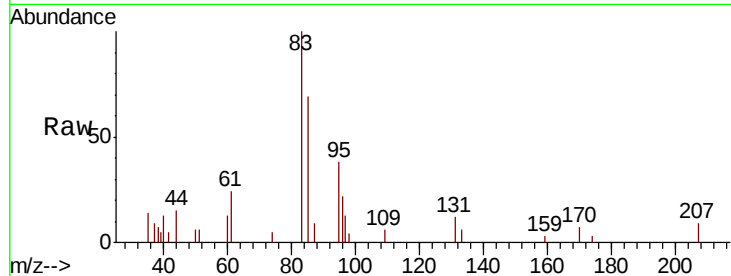
ClientSampleId :

0.5PPBMDL

Tot Ion:	83	Resp:	2326
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	81.7	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 0.531 ug/l m

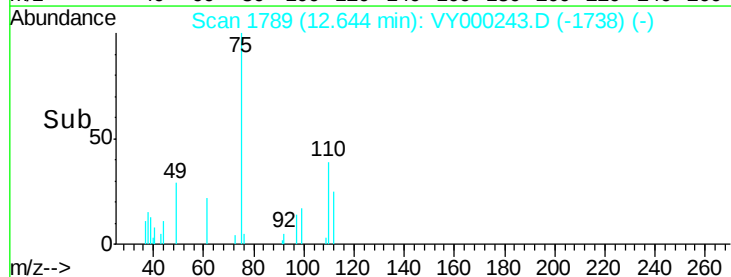
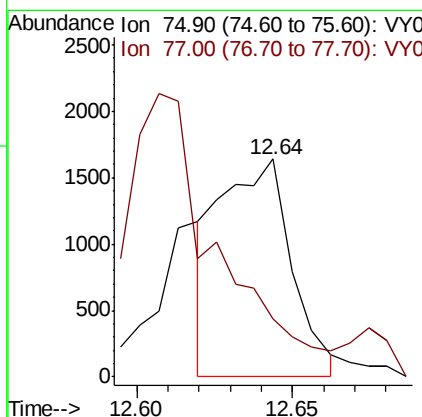
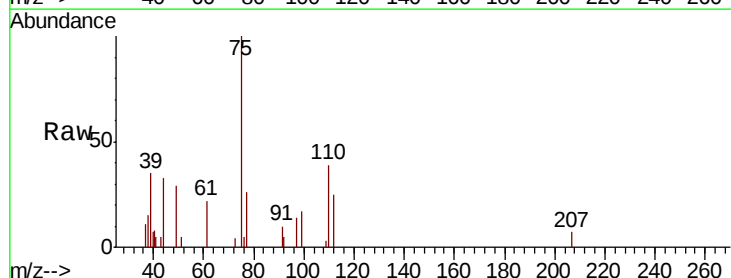
RT: 12.64 min Scan# 1789

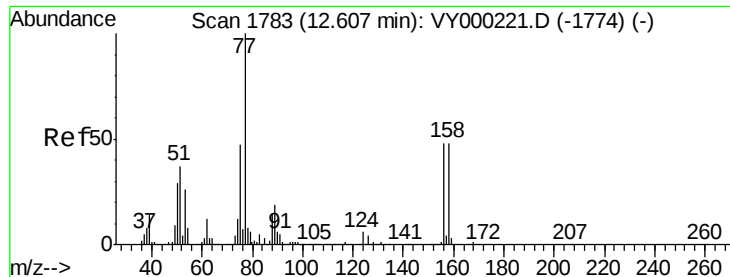
Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Tgt Ion:	75	Resp:	2625
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.498 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:156 Resp: 1851

Ion Ratio Lower Upper

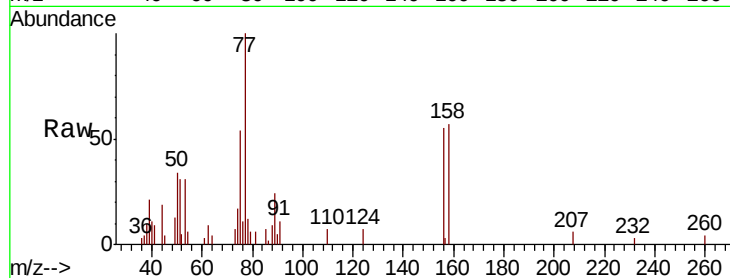
156 100

77 236.6 118.1 354.3

158 104.6 47.8 143.3

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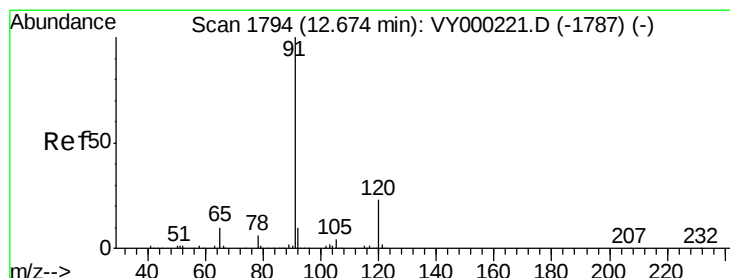
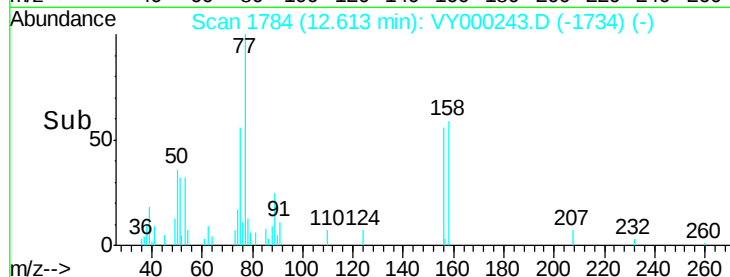
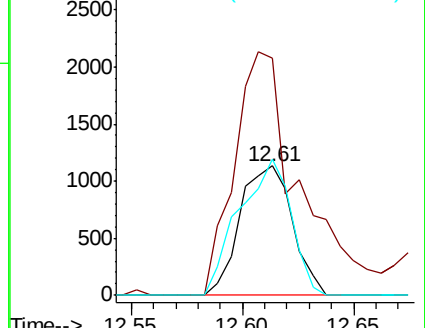
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.418 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000243.D

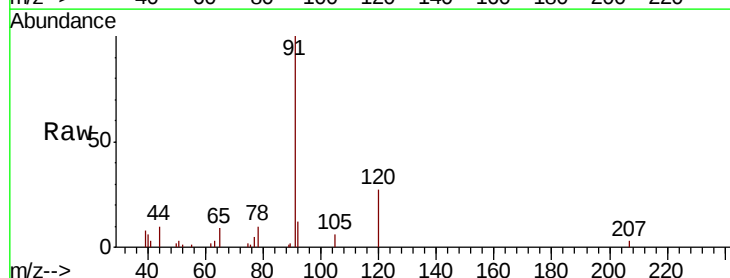
Acq: 09 Oct 2019 15:07

Tgt Ion: 91 Resp: 7751

Ion Ratio Lower Upper

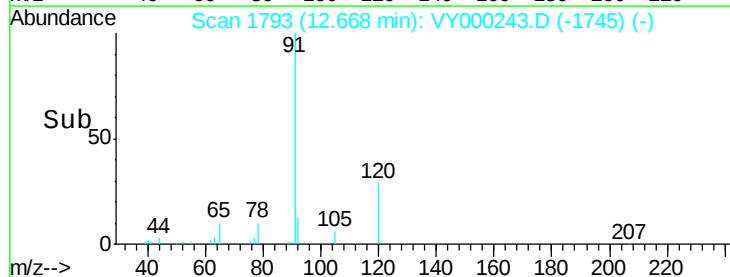
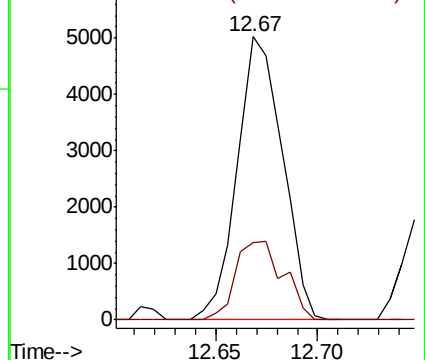
91 100

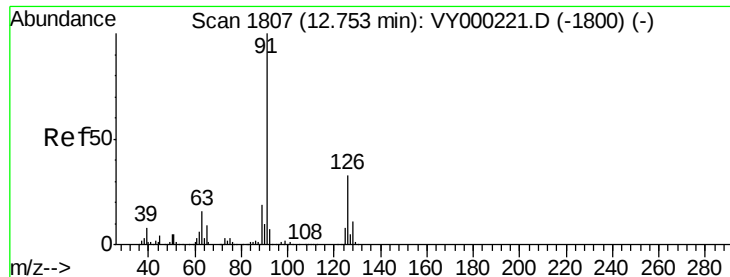
120 29.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.452 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 4820

Ion Ratio Lower Upper

91 100

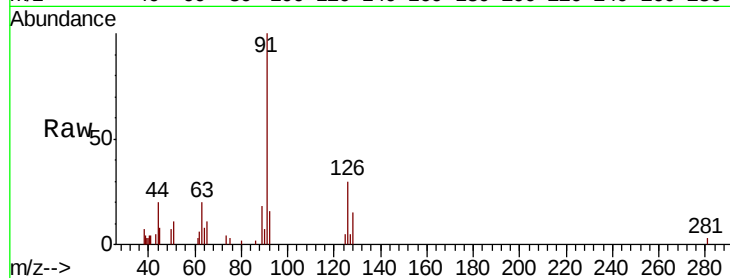
126 41.1 17.2 51.6

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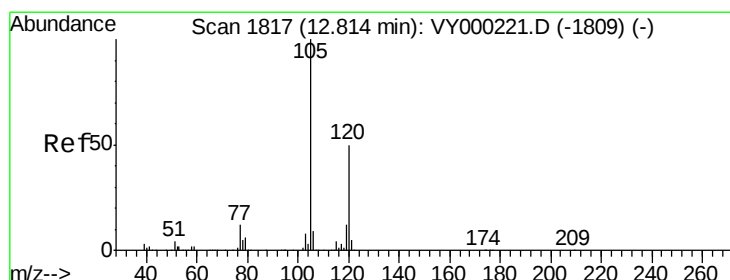
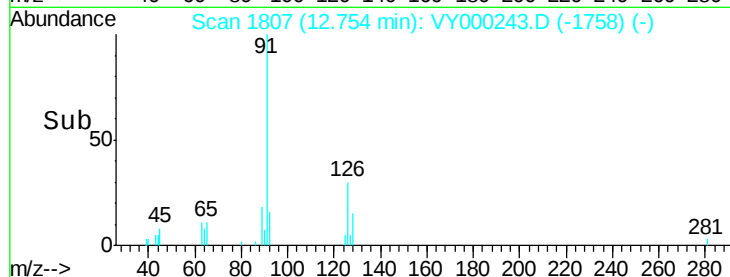
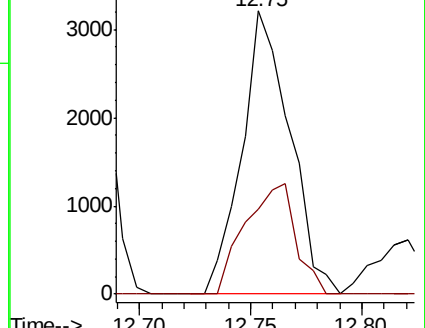
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Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1800) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 0.444 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000243.D

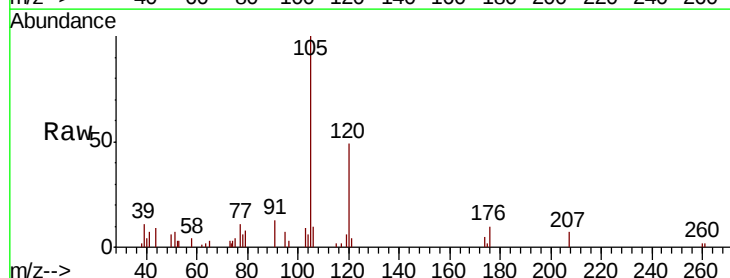
Acq: 09 Oct 2019 15:07

Tgt Ion: 105 Resp: 5879

Ion Ratio Lower Upper

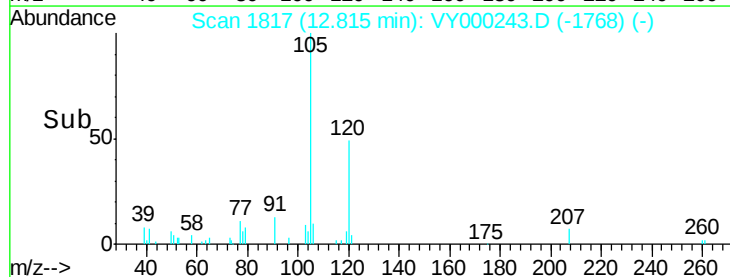
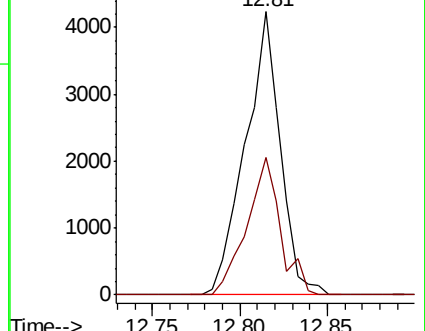
105 100

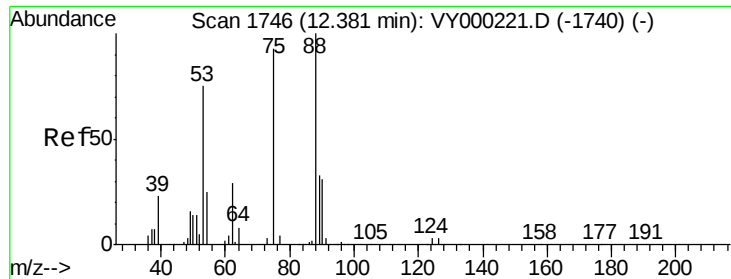
120 46.6 24.8 74.4



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

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





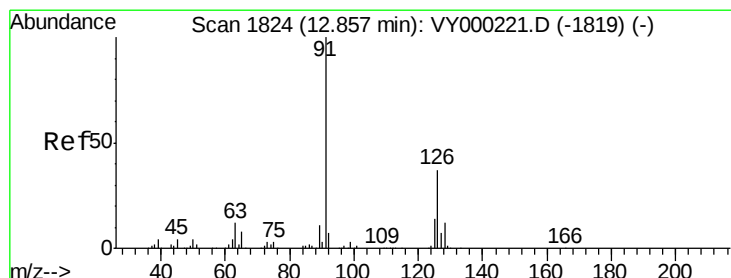
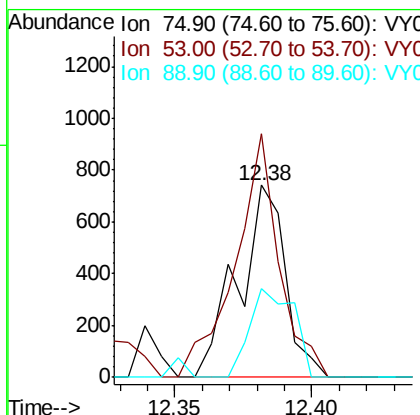
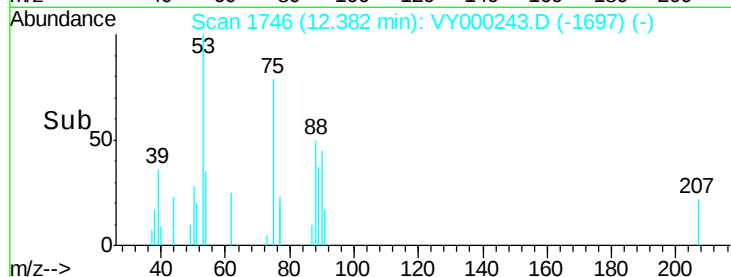
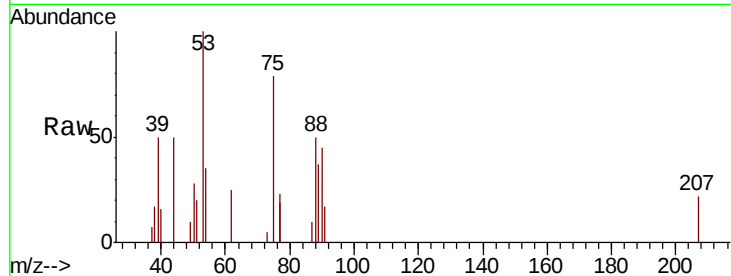
#81
trans-1,4-Dichloro-2-butene
Concen: 0.371 ug/l m
RT: 12.38 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

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

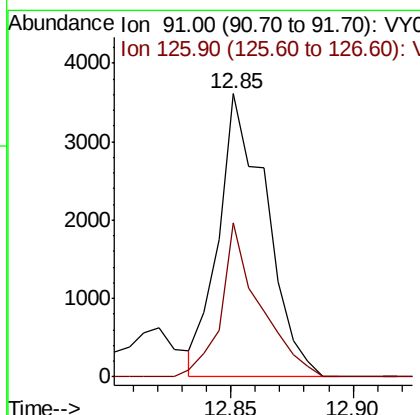
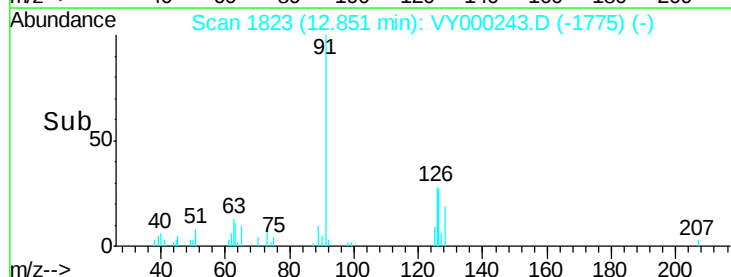
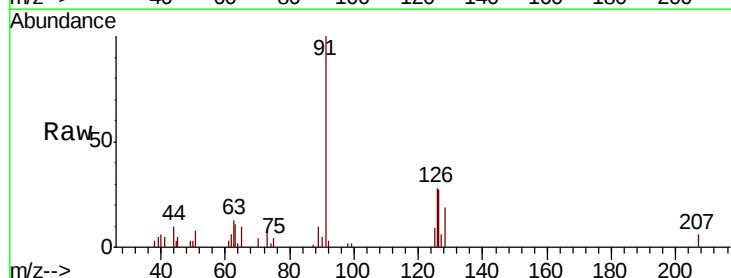
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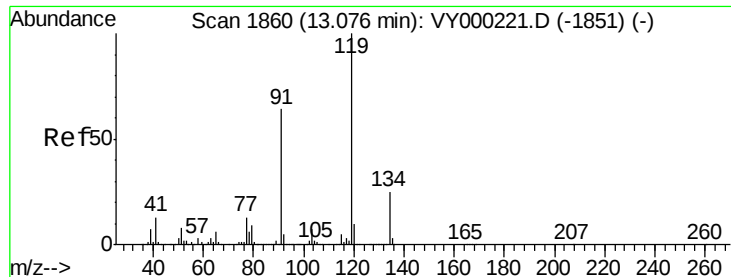
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#82
4-Chlorotoluene
Concen: 0.454 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	44.2	17.3	52.0





#83

tert-Butylbenzene

Concen: 0.429 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

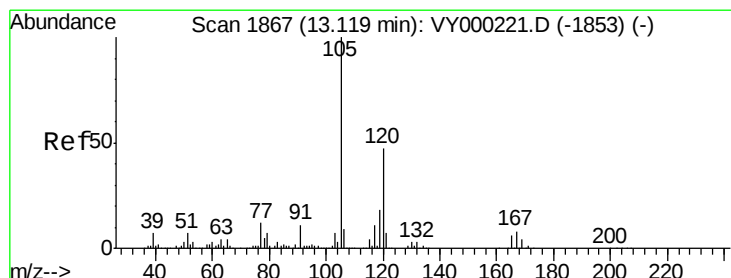
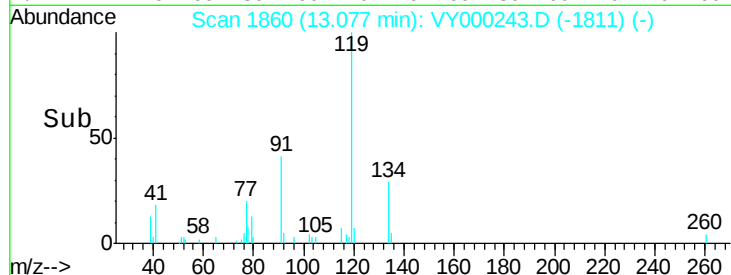
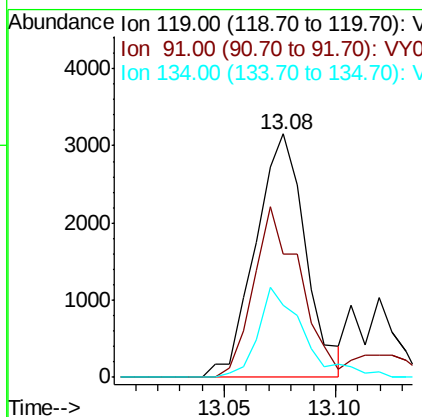
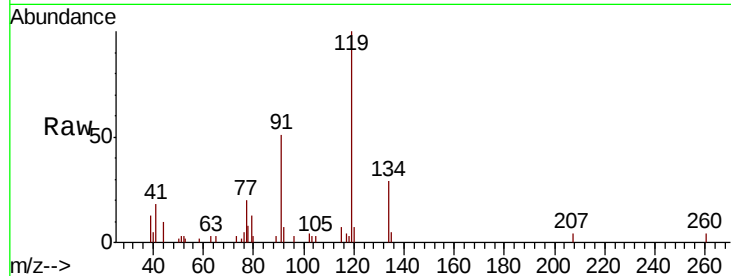
ClientSampleId :

0.5PPBMDL

Tot Ion:119	Resp:	4935
Ion Ratio	Lower	Upper
119 100		
91 64.6	32.4	97.2
134 33.7	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 0.428 ug/l

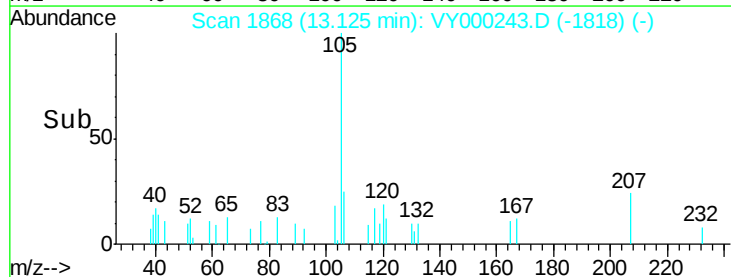
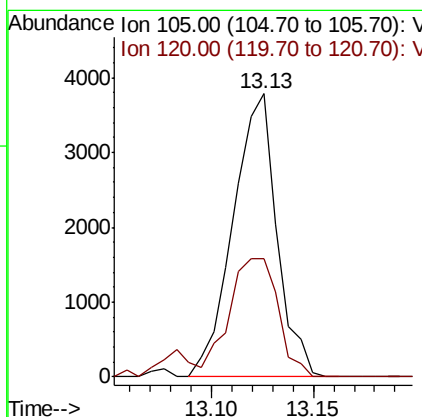
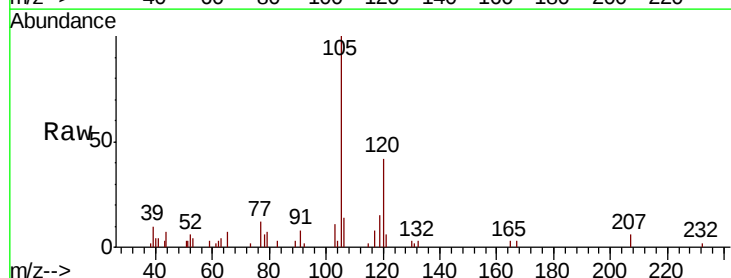
RT: 13.13 min Scan# 1868

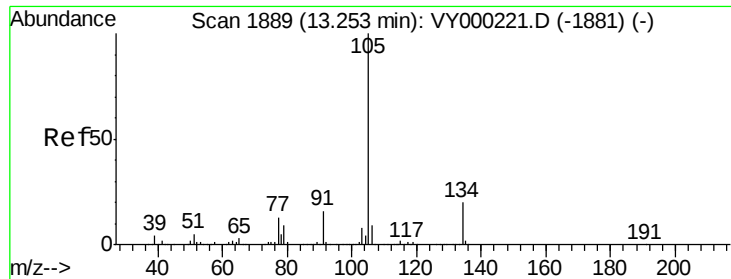
Delta R.T. 0.01 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Tgt Ion:105	Resp:	5654
Ion Ratio	Lower	Upper
105 100		
120 46.6	22.8	68.3





#85

sec-Butylbenzene

Concen: 0.438 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion:105 Resp: 6945

Ion Ratio Lower Upper

105 100

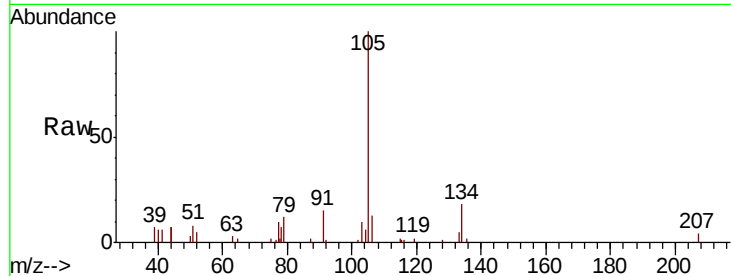
134 23.0 10.2 30.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

5000

4000

3000

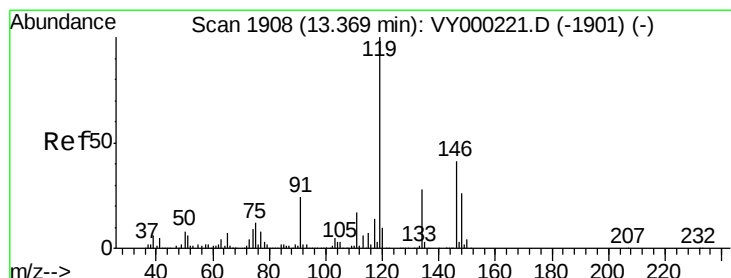
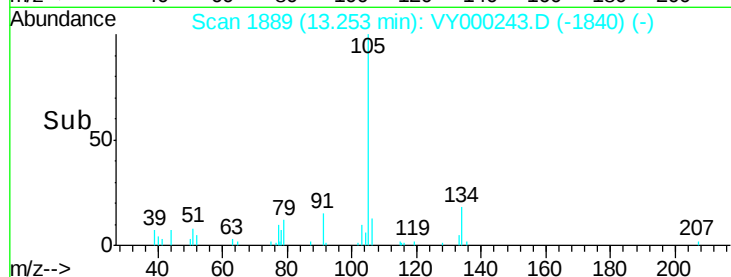
2000

1000

0

Time-->

13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 0.443 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

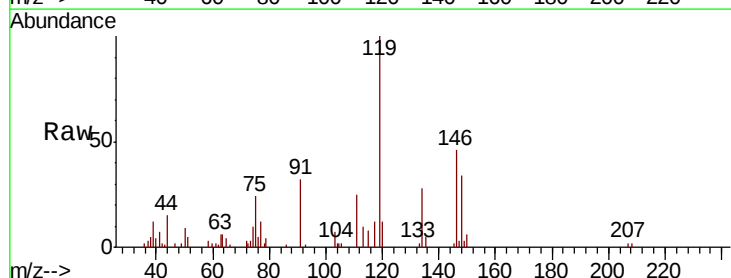
Tgt Ion:119 Resp: 6178

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 25.0 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

5000

4000

3000

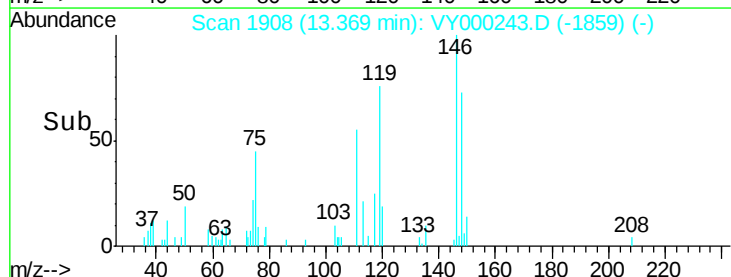
2000

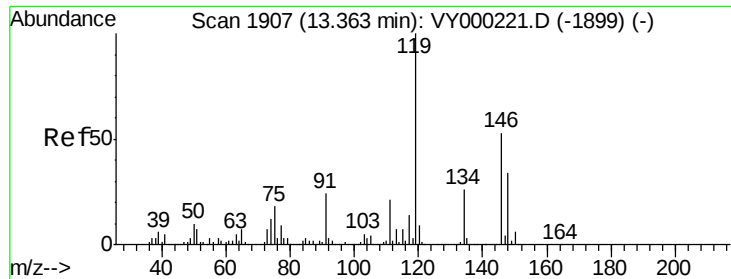
1000

0

Time-->

13.30 13.35 13.40





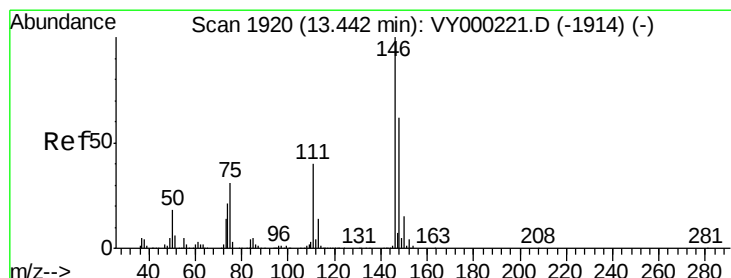
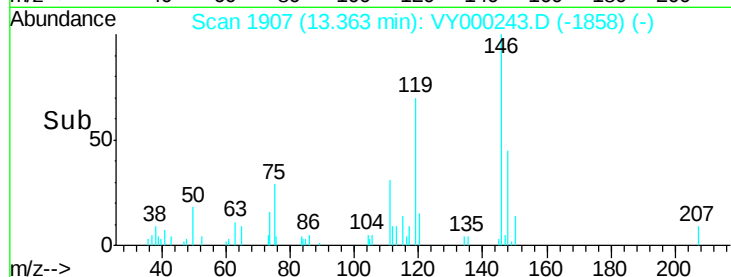
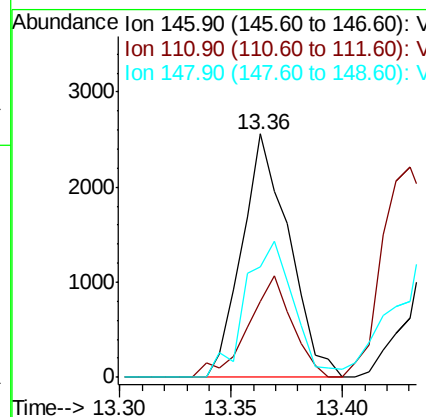
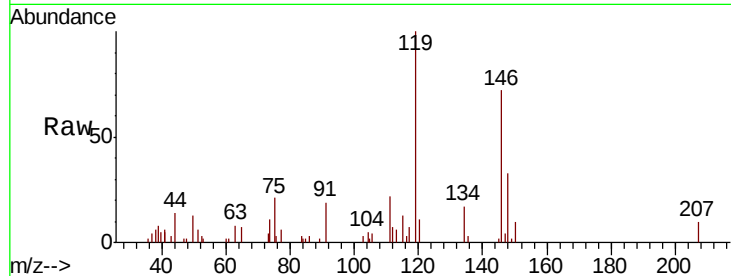
#87
 1,3-Dichlorobenzene
 Concen: 0.557 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	58.1	31.7	95.1

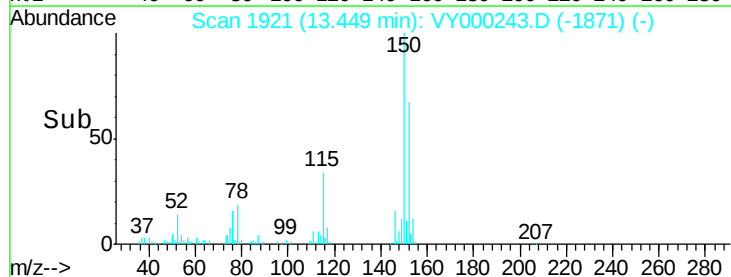
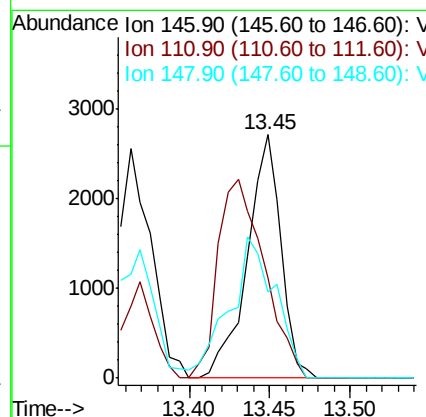
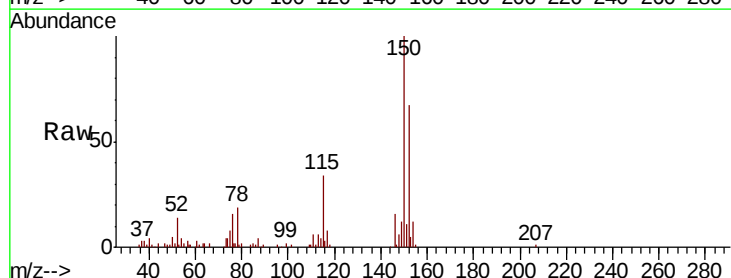
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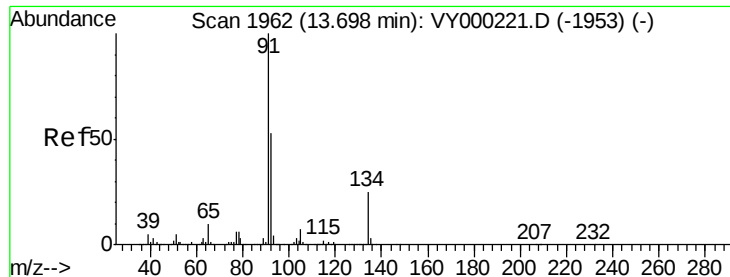
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#88
 1,4-Dichlorobenzene
 Concen: 0.561 ug/l m
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.8	59.3
148	55.5	31.6	94.8





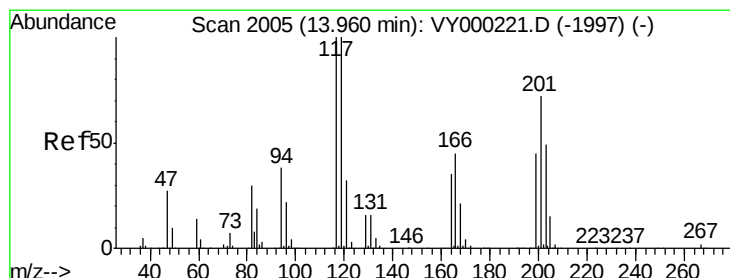
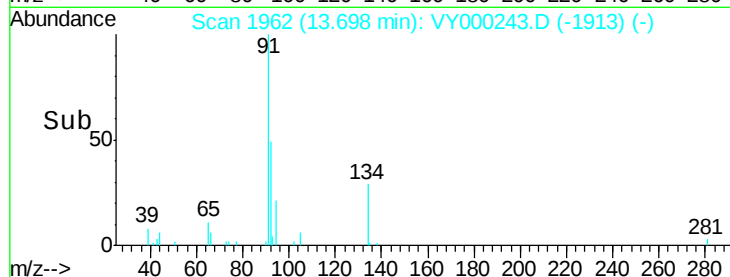
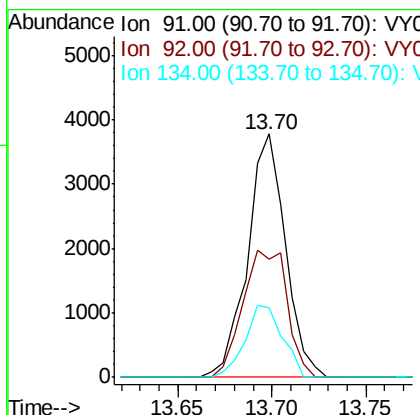
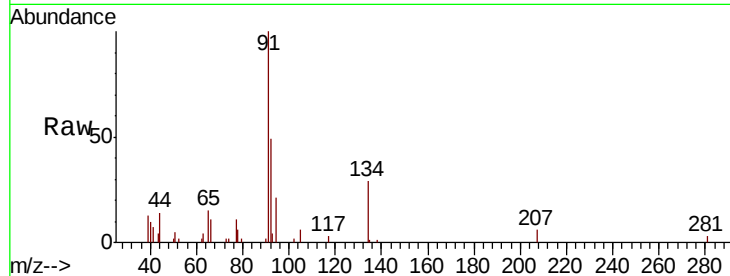
#89
n-Butylbenzene
Concen: 0.400 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.2	27.0	80.8
134	29.3	12.8	38.4

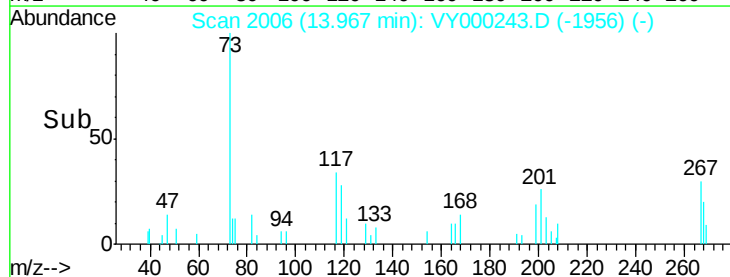
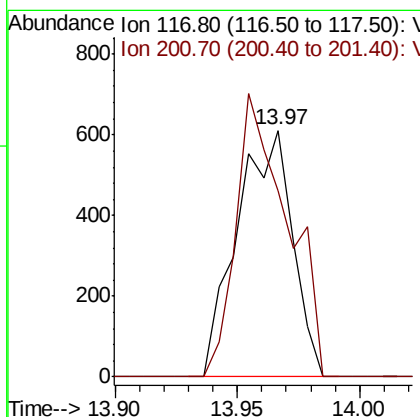
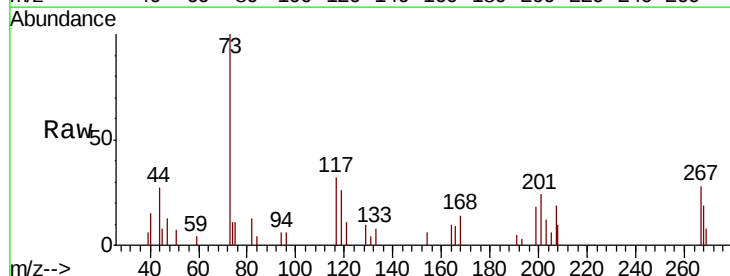
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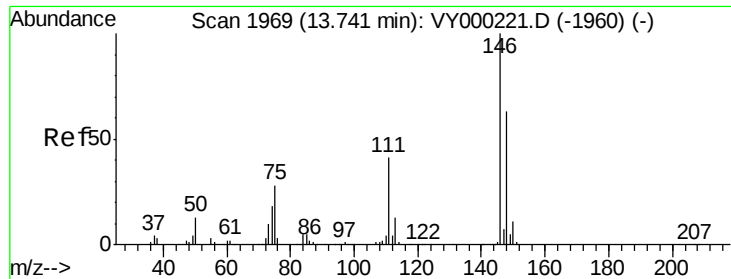
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#90
Hexachloroethane
Concen: 0.365 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY000243.D
Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.5	35.5	106.5





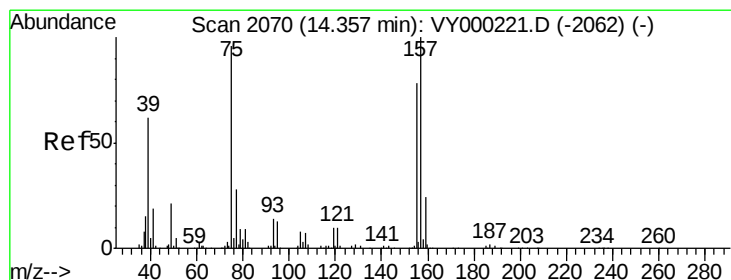
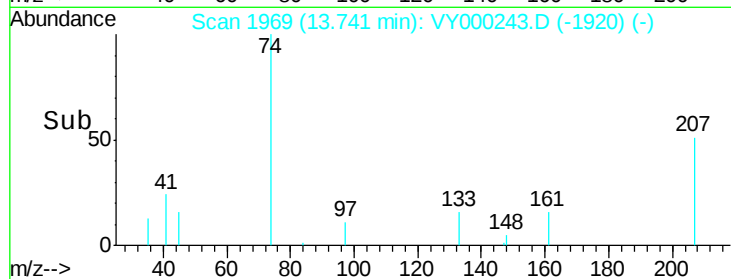
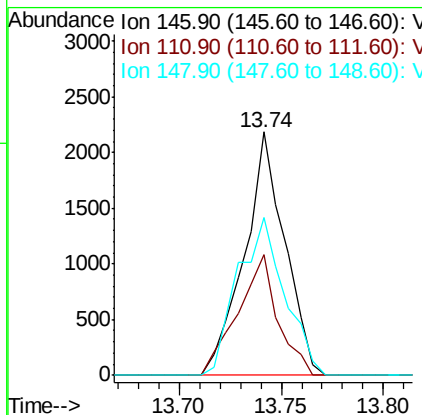
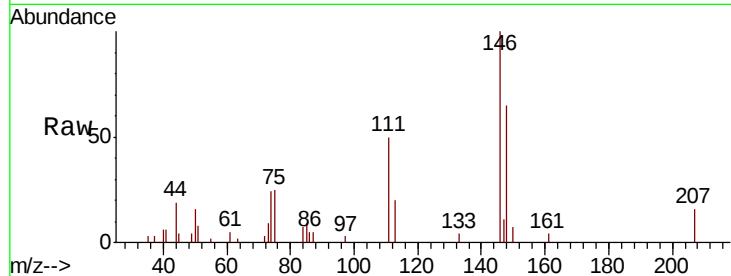
#91
 1,2-Dichlorobenzene
 Concen: 0.443 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	20.9	62.8
148	75.0	31.6	95.0

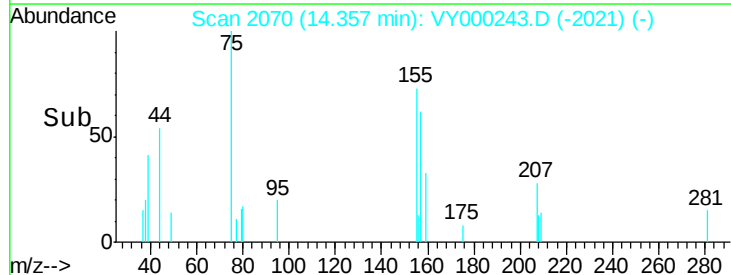
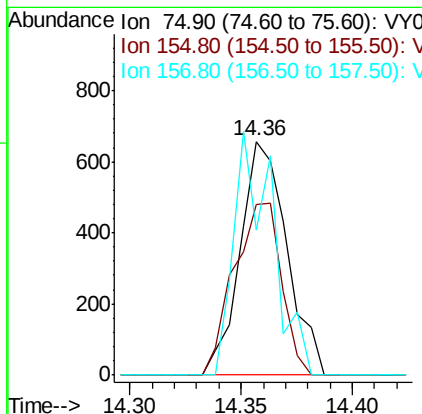
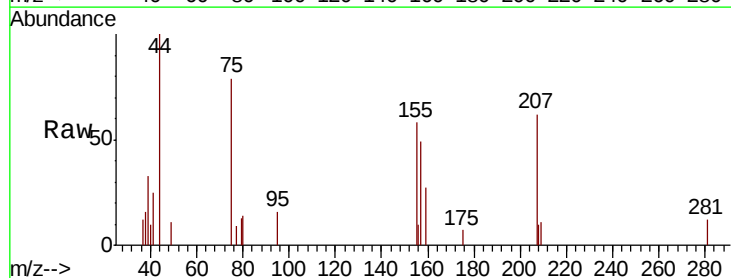
Manual Integrations
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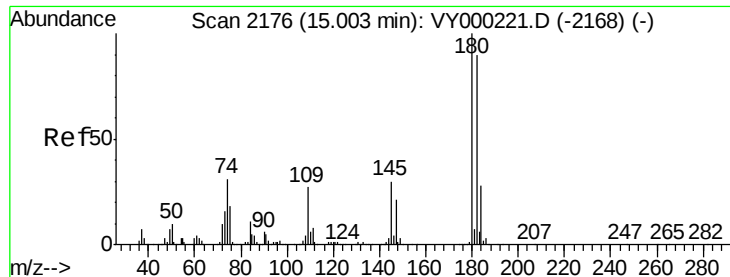
MMDadoda
 10/11/2019 8:40:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.569 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	42.4	127.3
157	86.5	53.8	161.5





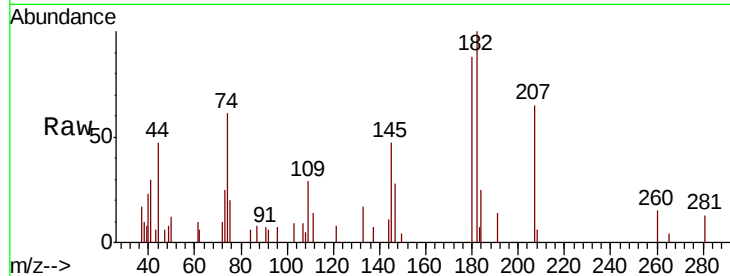
#93
 1,2,4-Trichlorobenzene
 Concen: 0.454 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.7	47.2	141.6
145	31.5	15.3	45.8

Manual Integrations
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MMDadoda
 10/11/2019 8:40:41 AM

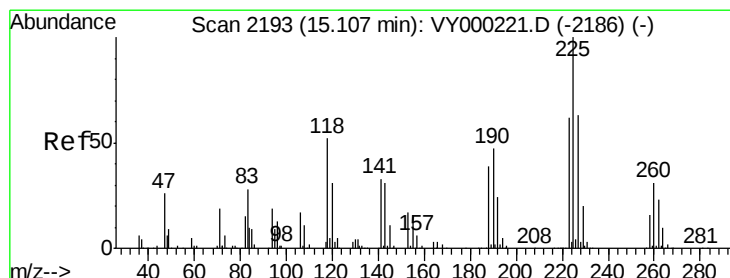
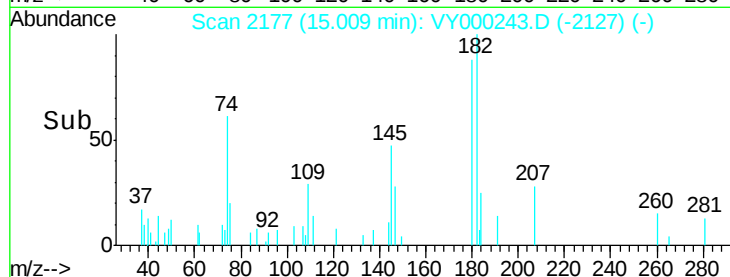
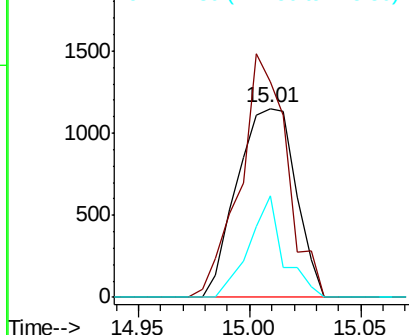


Abundance

Ion 179.80 (179.50 to 180.50): V

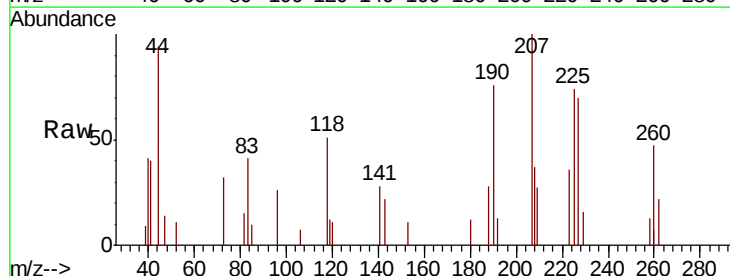
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 0.431 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000243.D
 Acq: 09 Oct 2019 15:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.0	31.9	95.5
227	78.1	31.5	94.5

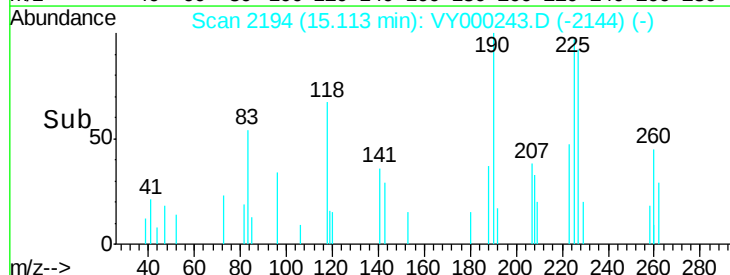
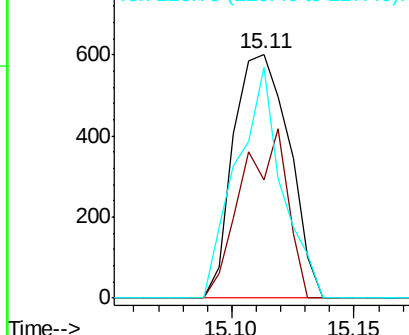


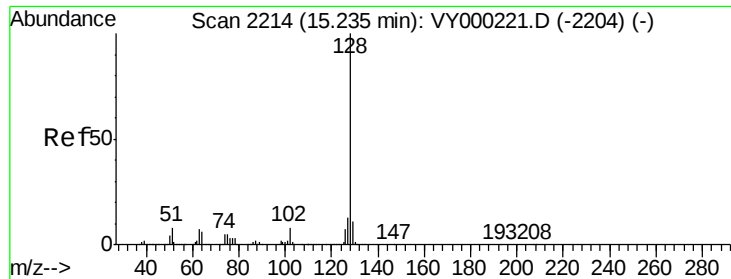
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.444 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Instrument :

MSVOA_Y

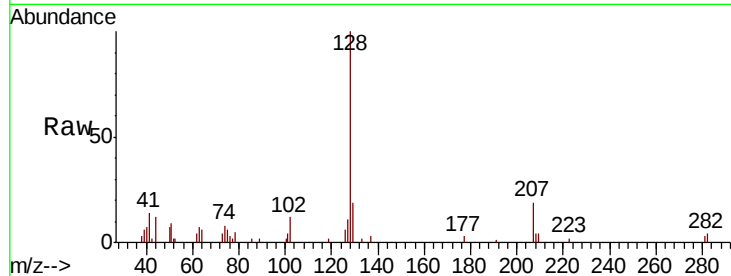
ClientSampleId :

0.5PPBMDL

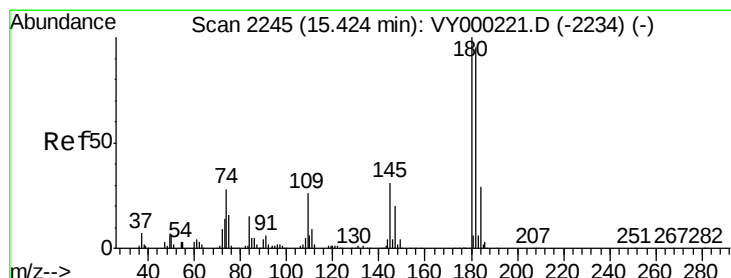
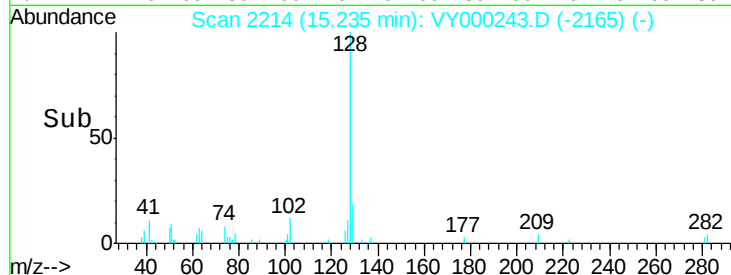
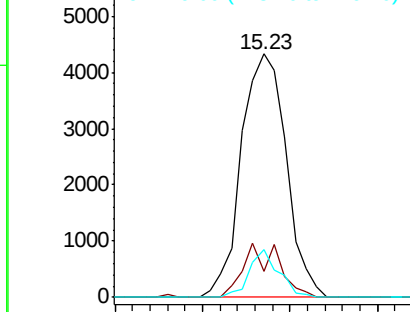
Tot Ion:	128	Resp:	7734
Ion	Ratio	Lower	Upper
128	100		
127	17.4	10.2	15.2#
129	12.9	8.6	13.0

Manual Integrations
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10/11/2019 8:40:41 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.464 ug/l

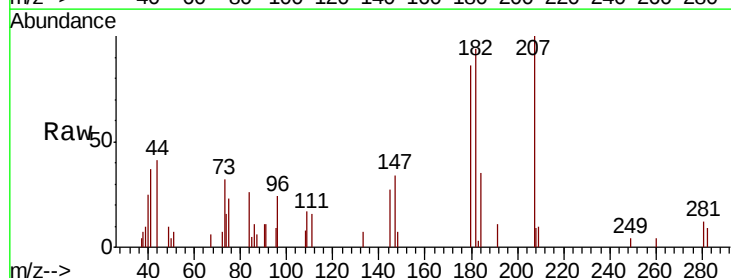
RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY000243.D

Acq: 09 Oct 2019 15:07

Tgt Ion:	180	Resp:	2068
Ion	Ratio	Lower	Upper
180	100		
182	103.3	47.9	143.7
145	38.2	16.3	48.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

