

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100819\
 Data File : VY000229.D
 Acq On : 08 Oct 2019 19:15
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 12:52:26 AM

Quant Time: Oct 09 09:21:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 09:14:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	259023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	434982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	374868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	171077	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	156842	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	7.73	113	124121	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
50) Toluene-d8	10.19	98	470640	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	
62) 4-Bromofluorobenzene	12.48	95	158754	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	1115	0.431	ug/l	88
3) Chloromethane	2.11	50	2209	0.627	ug/l	96
4) Vinyl Chloride	2.25	62	1766	0.486	ug/l	92
5) Bromomethane	2.65	94	1665	0.726	ug/l	88
6) Chloroethane	2.79	64	1233	0.537	ug/l #	79
7) Trichlorofluoromethane	3.12	101	2479	0.528	ug/l	91
8) Diethyl Ether	3.52	74	1083	0.504	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	1658	0.604	ug/l #	68
10) Methyl Iodide	4.11	142	928m	0.229	ug/l	
11) Tert butyl alcohol	4.94	59	7782m	4.300	ug/l	
12) 1,1-Dichloroethene	3.89	96	1262m	0.443	ug/l	
13) Acrolein	3.74	56	2546	2.680	ug/l	91
14) Allyl chloride	4.50	41	2864m	0.597	ug/l	
15) Acrylonitrile	5.18	53	7310	2.288	ug/l #	93
16) Acetone	3.97	43	7911	2.998	ug/l	92
17) Carbon Disulfide	4.19	76	4023	0.479	ug/l #	85
18) Methyl Acetate	4.49	43	3622	0.501	ug/l	92
19) Methyl tert-butyl Ether	5.23	73	4854	0.466	ug/l	91
20) Methylene Chloride	4.71	84	2543	0.734	ug/l #	73
21) trans-1,2-Dichloroethene	5.24	96	1451	0.453	ug/l #	72
22) Diisopropyl ether	6.14	45	5160	0.464	ug/l #	91
23) Vinyl Acetate	6.07	43	21356	2.121	ug/l	99
24) 1,1-Dichloroethane	6.03	63	2997	0.528	ug/l #	82
25) 2-Butanone	7.01	43	11673	2.391	ug/l	95
26) 2,2-Dichloropropane	7.00	77	3247	0.634	ug/l	93
27) cis-1,2-Dichloroethene	6.99	96	2036	0.540	ug/l #	44
28) Bromochloromethane	7.33	49	1088	0.583	ug/l #	91
29) Tetrahydrofuran	7.36	42	8159	2.367	ug/l #	81
30) Chloroform	7.51	83	3409	0.579	ug/l #	77
31) Cyclohexane	7.80	56	7623	1.331	ug/l #	28
32) 1,1,1-Trichloroethane	7.72	97	2238	0.447	ug/l #	47
36) 1,1-Dichloropropene	7.92	75	2079	0.470	ug/l	98
37) Ethyl Acetate	7.09	43	3973	0.497	ug/l #	92
38) Carbon Tetrachloride	7.91	117	2430	0.563	ug/l #	72

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	2470	0.445	ug/l #	74
40) Benzene	8.17	78	5983	0.446	ug/l #	87
41) Methacrylonitrile	7.35	41	2772m	0.440	ug/l	
42) 1,2-Dichloroethane	8.25	62	2393	0.549	ug/l	83
43) Isopropyl Acetate	8.28	43	4974	0.483	ug/l #	92
44) Trichloroethene	8.95	130	1734	0.476	ug/l	74
45) 1,2-Dichloropropane	9.22	63	1422	0.423	ug/l #	87
46) Dibromomethane	9.31	93	1070	0.454	ug/l	88
47) Bromodichloromethane	9.51	83	2365	0.513	ug/l	99
48) Methyl methacrylate	9.29	41	2501	0.538	ug/l	91
49) 1,4-Dioxane	9.30	88	1186	9.939	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	16889	2.182	ug/l	98
52) Toluene	10.24	92	3687	0.428	ug/l	92
53) t-1,3-Dichloropropene	10.47	75	2225	0.425	ug/l #	84
54) cis-1,3-Dichloropropene	9.94	75	2599	0.459	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	2008	0.591	ug/l #	64
56) Ethyl methacrylate	10.51	69	2492	0.417	ug/l #	91
57) 1,3-Dichloropropane	10.80	76	2738	0.472	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.79	63	6661	2.500	ug/l	97
59) 2-Hexanone	10.83	43	14087	2.147	ug/l	95
60) Dibromochloromethane	10.98	129	1701	0.474	ug/l	97
61) 1,2-Dibromoethane	11.09	107	1722	0.477	ug/l	96
64) Tetrachloroethene	10.72	164	1424	0.416	ug/l	87
65) Chlorobenzene	11.52	112	4559	0.525	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.59	131	1588	0.511	ug/l #	63
67) Ethyl Benzene	11.59	91	7149	0.460	ug/l #	80
68) m/p-Xylenes	11.70	106	5219	0.881	ug/l	95
69) o-Xylene	12.03	106	2858	0.501	ug/l	93
70) Styrene	12.05	104	4173	0.424	ug/l	94
71) Bromoform	12.22	173	1144	0.446	ug/l #	92
73) Isopropylbenzene	12.33	105	6984	0.482	ug/l	100
74) N-amyl acetate	12.14	43	2500	0.362	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	2599	0.525	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	2422m	0.536	ug/l	
77) Bromobenzene	12.60	156	1927	0.567	ug/l	79
78) n-propylbenzene	12.67	91	6741	0.398	ug/l	83
79) 2-Chlorotoluene	12.75	91	5113	0.524	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	5543	0.458	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	964m	0.440	ug/l	
82) 4-Chlorotoluene	12.86	91	4731	0.479	ug/l	94
83) tert-Butylbenzene	13.07	119	5126	0.488	ug/l	92
84) 1,2,4-Trimethylbenzene	13.13	105	5558	0.460	ug/l	96
85) sec-Butylbenzene	13.25	105	6009	0.415	ug/l	87
86) p-Isopropyltoluene	13.37	119	5212	0.409	ug/l	94
87) 1,3-Dichlorobenzene	13.37	146	3187	0.517	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	3434m	0.535	ug/l	
89) n-Butylbenzene	13.69	91	4740	0.395	ug/l	89
90) Hexachloroethane	13.95	117	927	0.385	ug/l	87
91) 1,2-Dichlorobenzene	13.74	146	3360	0.539	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.36	75	863	0.559	ug/l	76

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ClientSampleId :
0.5PPBMDL

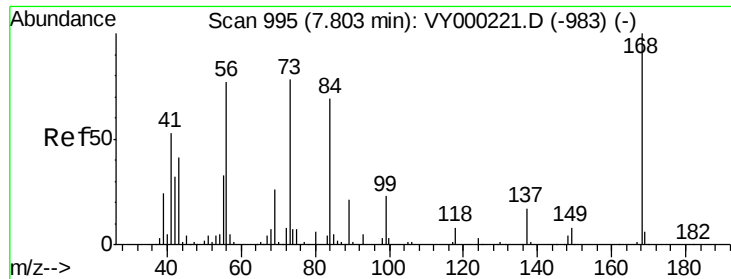
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	2217	0.524	ug/l	94
94) Hexachlorobutadiene	15.11	225	985	0.487	ug/l	89
95) Naphthalene	15.23	128	8303	0.521	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	2145	0.527	ug/l	96

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



#1

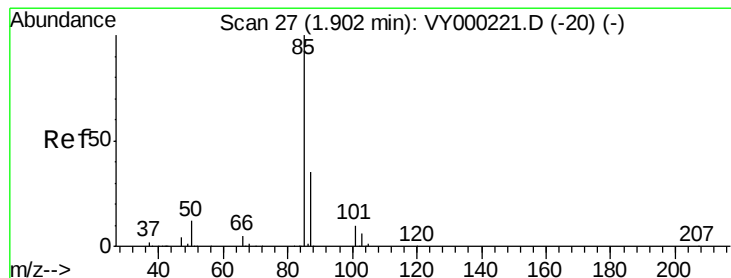
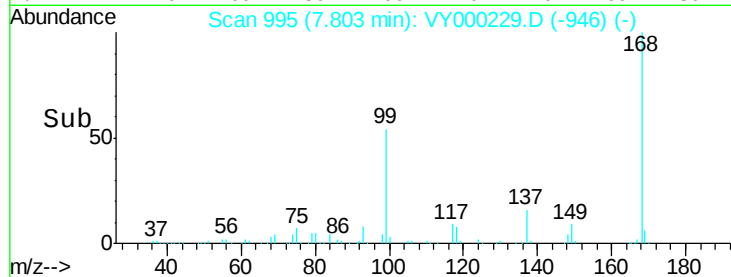
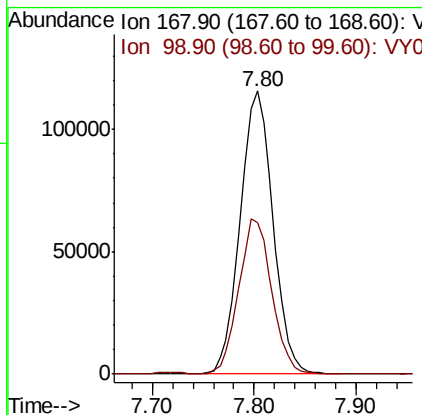
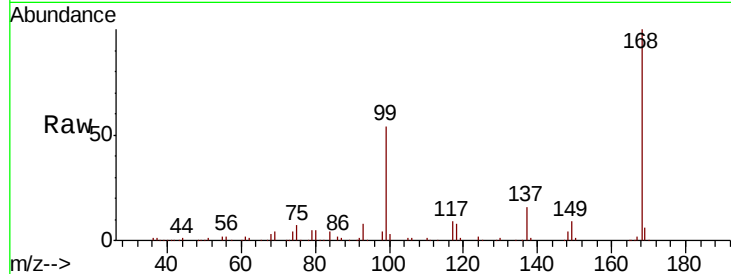
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.5	45.0	67.6

Manual Integrations
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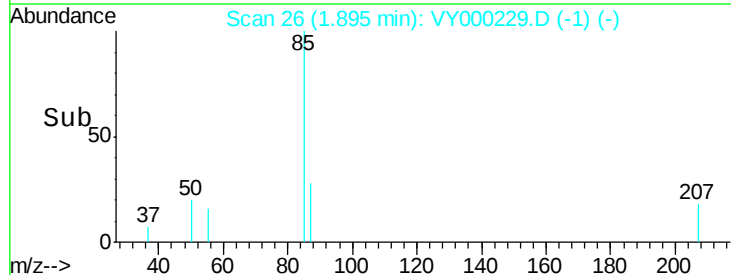
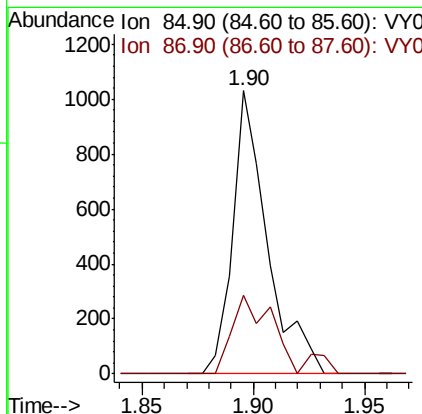
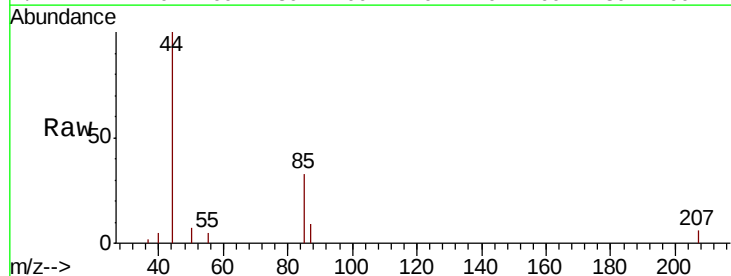
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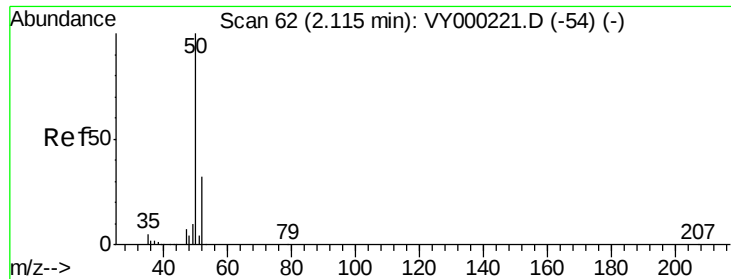


#2

Dichlorodifluoromethane
 Concen: 0.431 ug/l
 RT: 1.90 min Scan# 26
 Delta R.T. -0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	27.7	17.4	52.2





#3

Chloromethane

Concen: 0.627 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 50 Resp: 2209

Ion Ratio Lower Upper

50 100

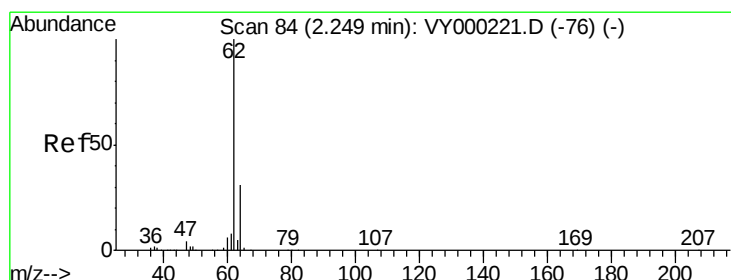
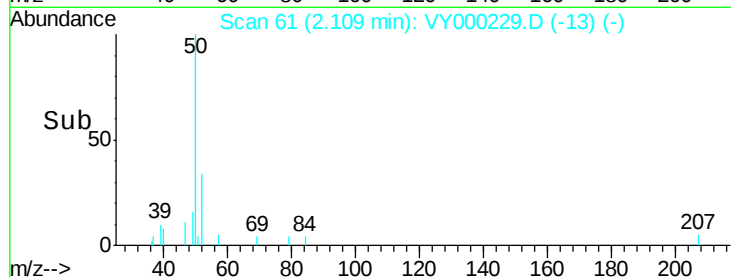
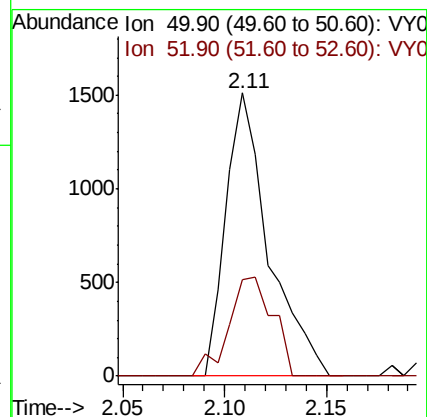
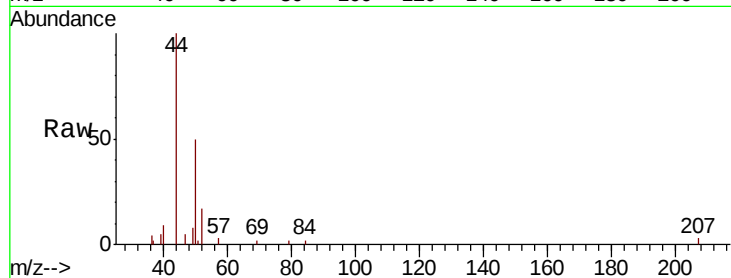
52 34.1 25.4 38.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.486 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000229.D

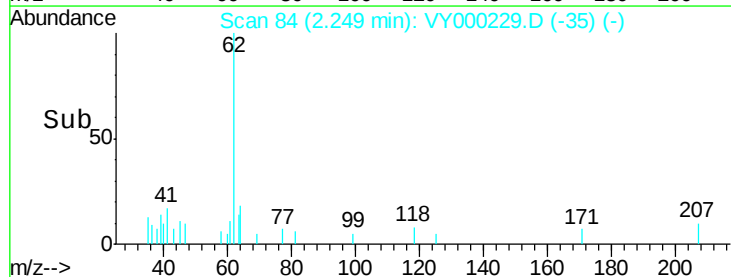
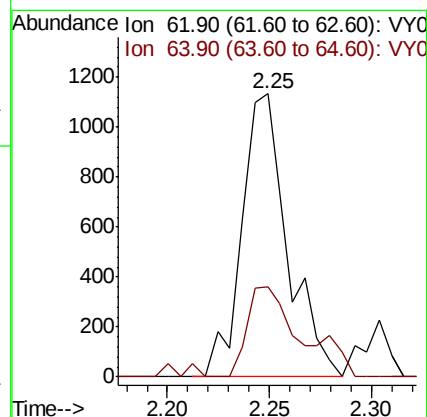
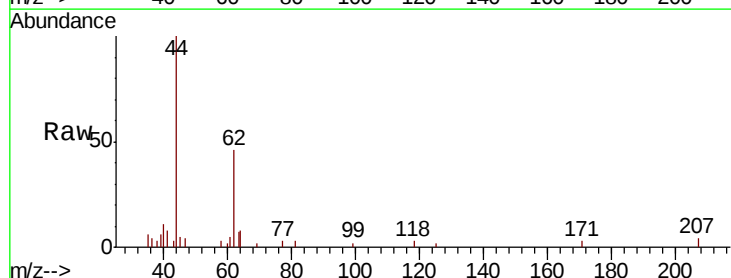
Acq: 08 Oct 2019 19:15

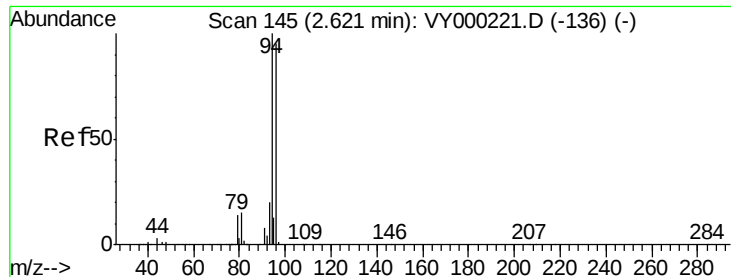
Tgt Ion: 62 Resp: 1766

Ion Ratio Lower Upper

62 100

64 27.1 25.0 37.6





#5

Bromomethane

Concen: 0.726 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.02 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 94 Resp: 1665

Ion Ratio Lower Upper

94 100

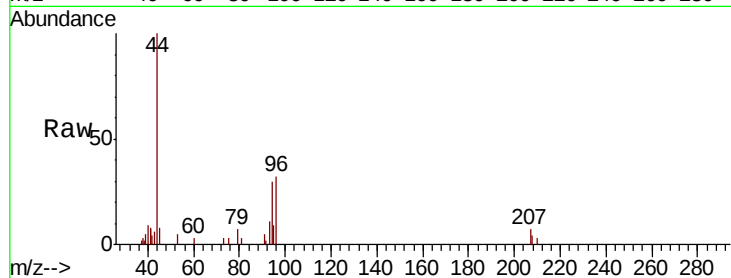
96 106.0 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

1200

1000

800

600

400

200

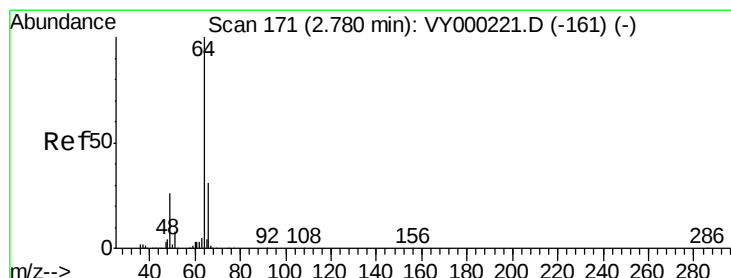
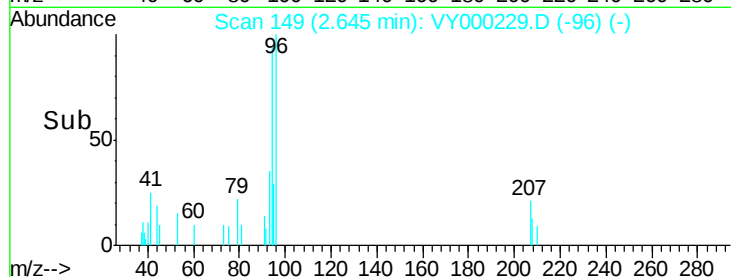
0

2.60

2.65

2.70

Time-->



#6

Chloroethane

Concen: 0.537 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.01 min

Lab File: VY000229.D

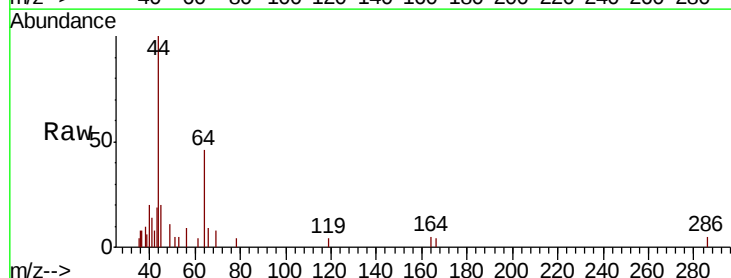
Acq: 08 Oct 2019 19:15

Tgt Ion: 64 Resp: 1233

Ion Ratio Lower Upper

64 100

66 19.2 24.5 36.7#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

600

400

200

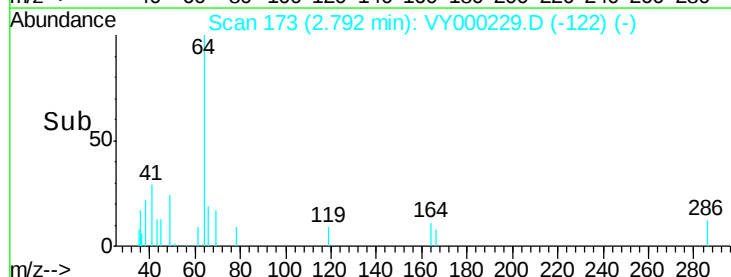
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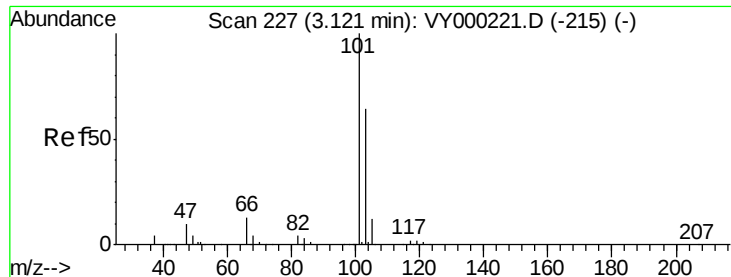
2.75

2.80

2.85

Time-->





#7

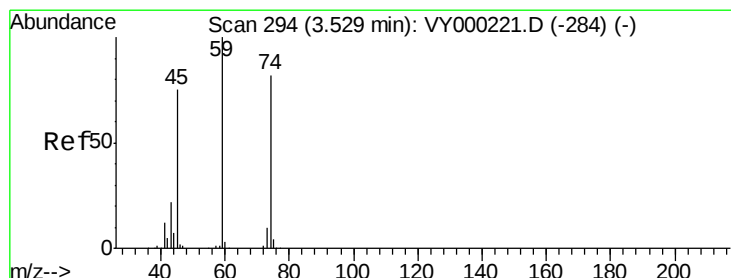
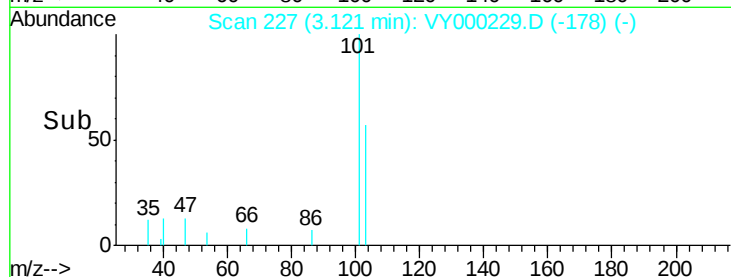
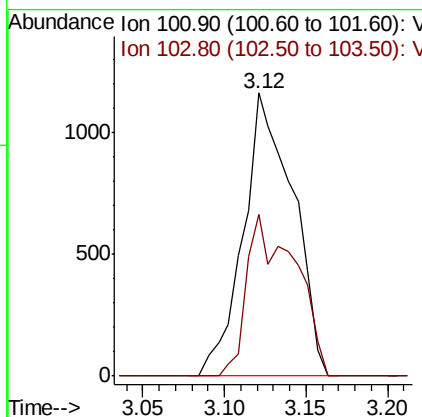
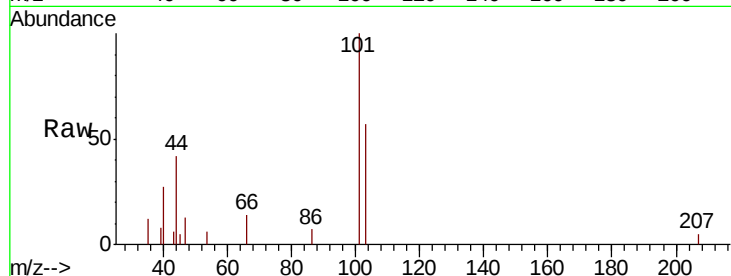
Trichlorofluoromethane
 Concen: 0.528 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

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 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.1	51.0	76.6

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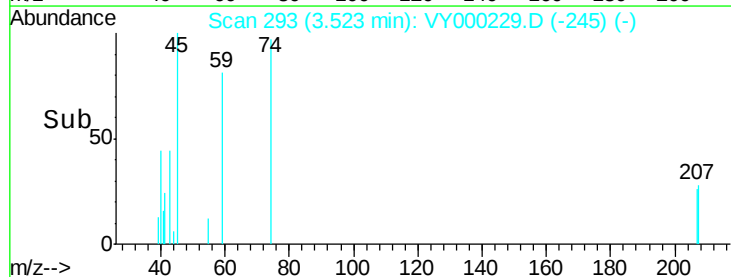
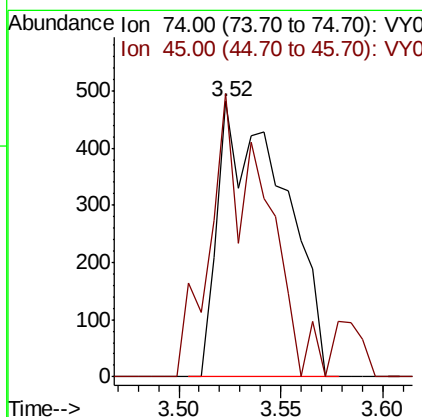
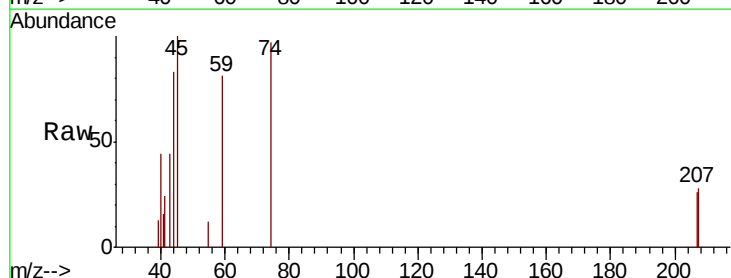
MMDadoda
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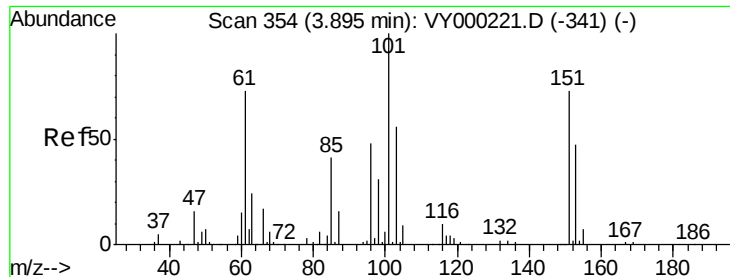


#8

Diethyl Ether
 Concen: 0.504 ug/l
 RT: 3.52 min Scan# 293
 Delta R.T. -0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.3	45.8	137.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.604 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.02 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

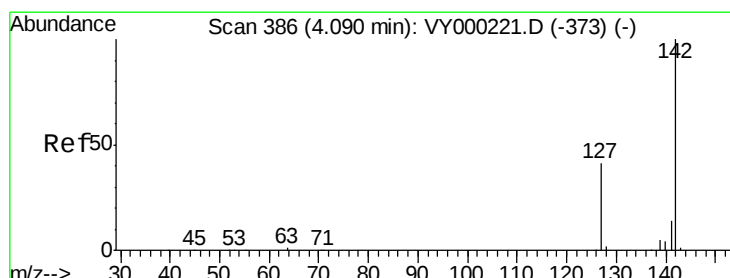
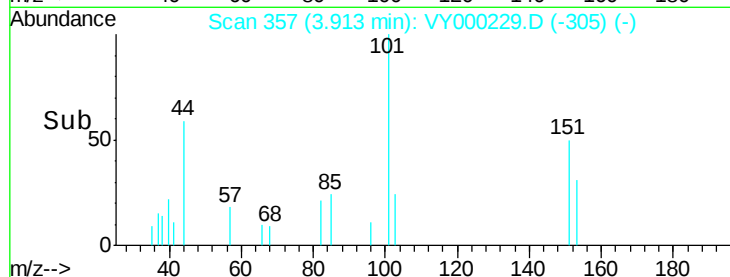
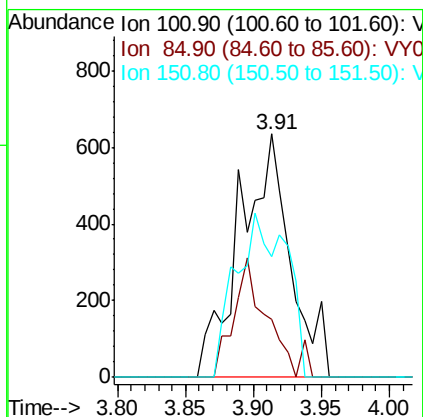
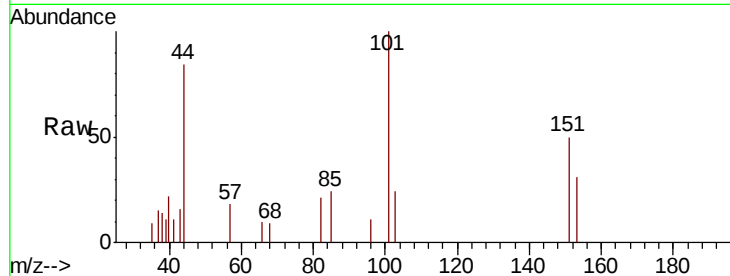
ClientSampleId :

0.5PPBMDL

Tot Ion:	101	Resp:	1658
Ion Ratio	Lower	Upper	
101	100		
85	30.9	37.0	55.6#
151	46.0	63.0	94.4#

Manual Integrations
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#10

Methyl Iodide

Concen: 0.229 ug/l m

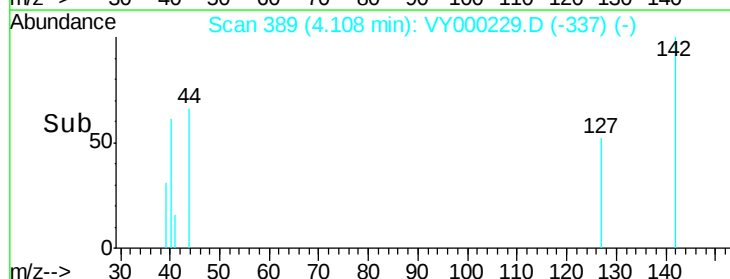
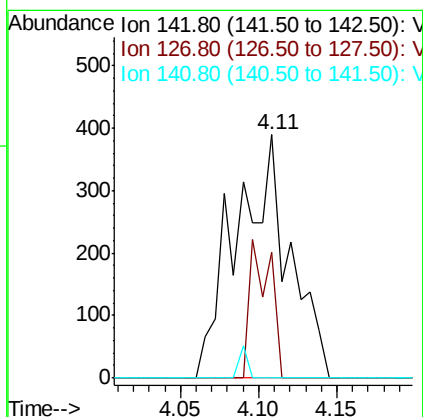
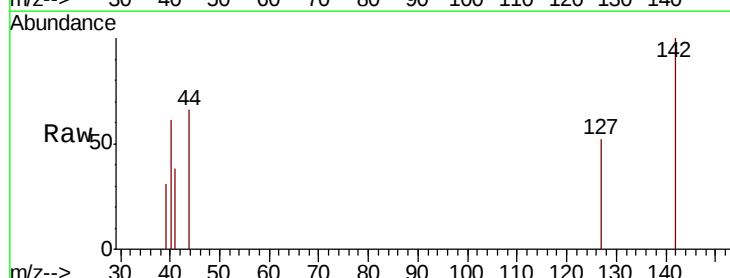
RT: 4.11 min Scan# 389

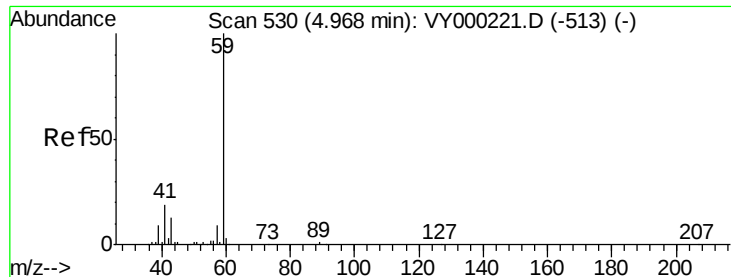
Delta R.T. 0.02 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Tgt Ion:	142	Resp:	928
Ion Ratio	Lower	Upper	
142	100		
127	21.8	33.0	49.6#
141	2.0	11.0	16.4#





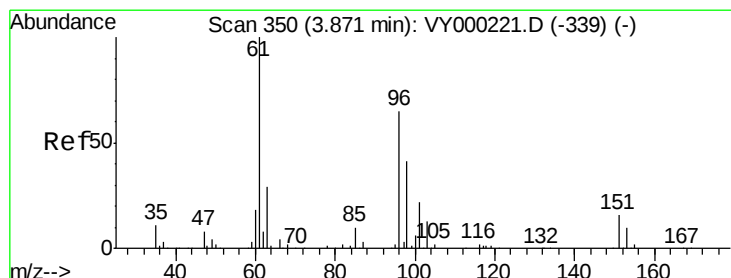
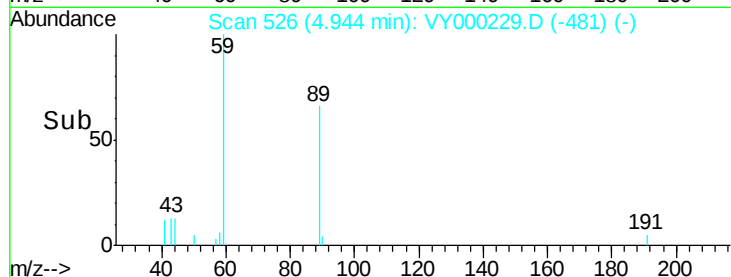
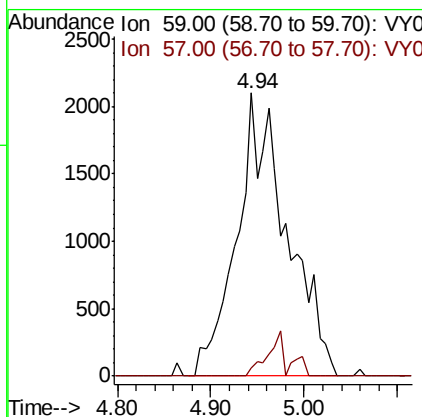
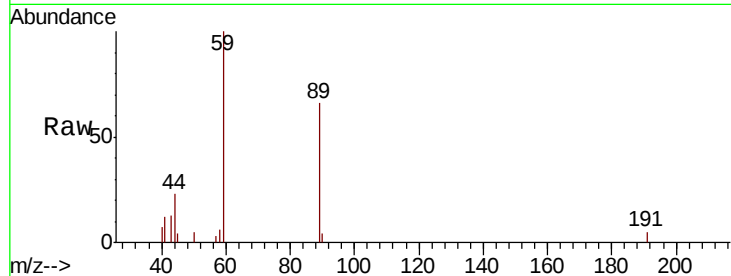
#11
Tert butyl alcohol
Concen: 4.300 ug/l m
RT: 4.94 min Scan# 526
Delta R.T. -0.02 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 59 Resp: 7782
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

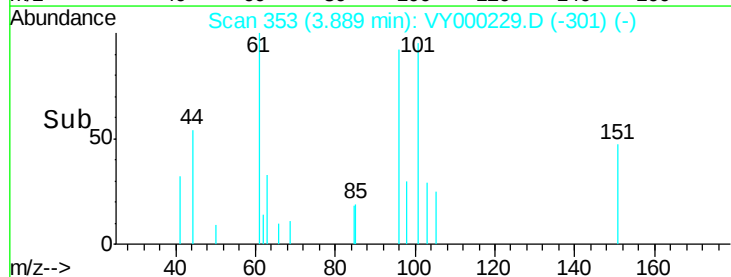
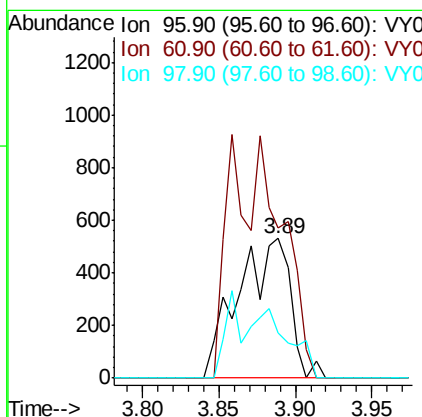
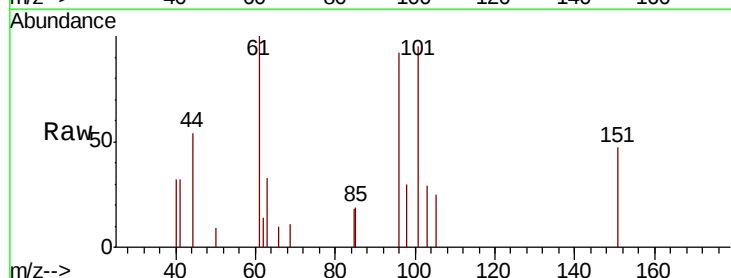
Manual Integrations
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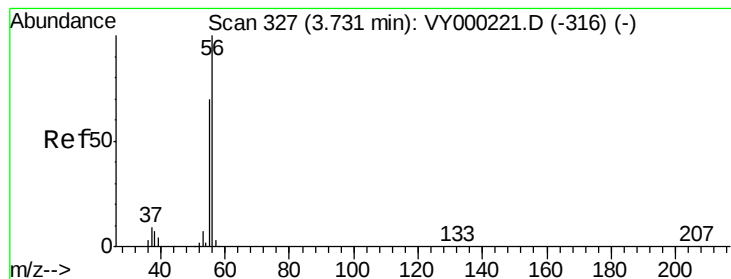
MMDadoda
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#12
1,1-Dichloroethene
Concen: 0.443 ug/l m
RT: 3.89 min Scan# 353
Delta R.T. 0.02 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion: 96 Resp: 1262
Ion Ratio Lower Upper
96 100
61 108.1 123.8 185.8#
98 32.5 50.9 76.3#





#13

Acrolein

Concen: 2.680 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 56 Resp: 2546

Ion Ratio Lower Upper

56 100

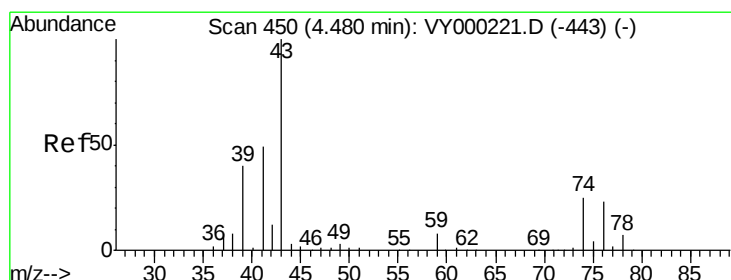
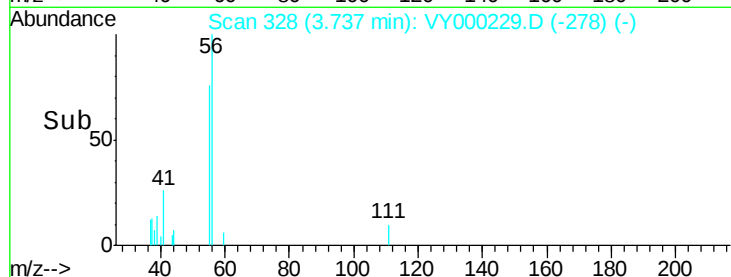
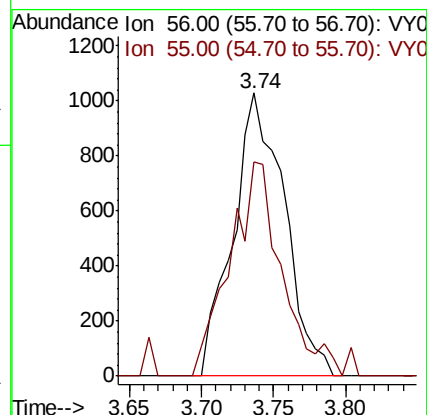
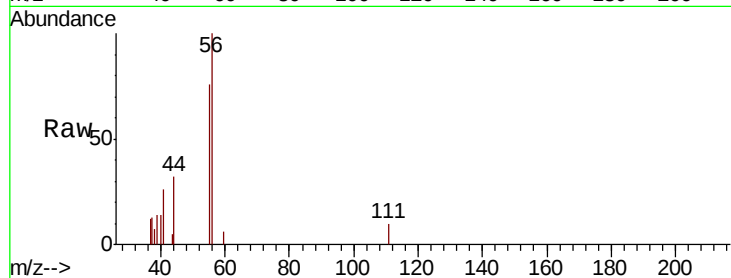
55 76.6 55.2 82.8

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#14

Allyl chloride

Concen: 0.597 ug/l m

RT: 4.50 min Scan# 454

Delta R.T. 0.02 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

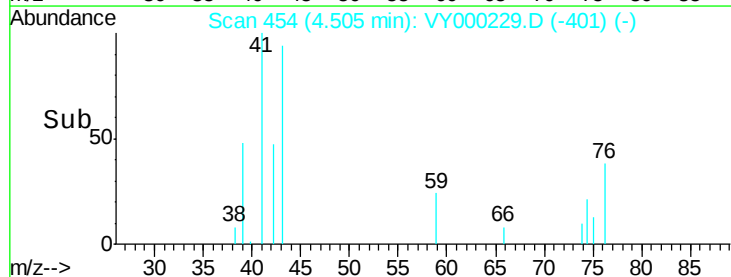
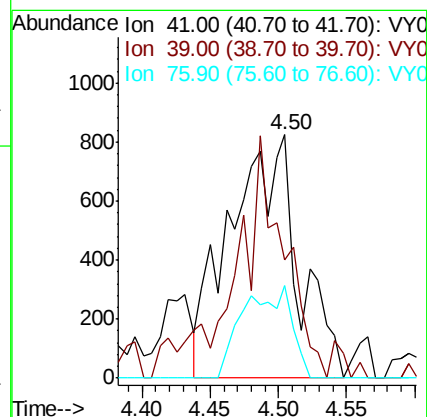
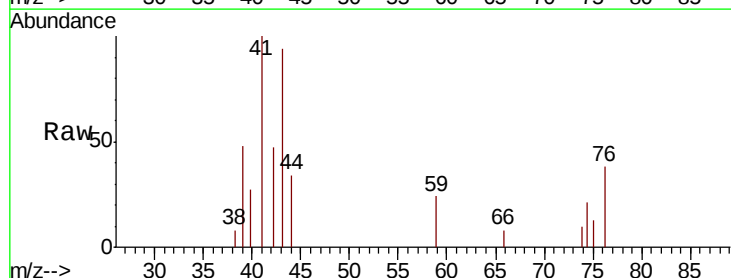
Tgt Ion: 41 Resp: 2864

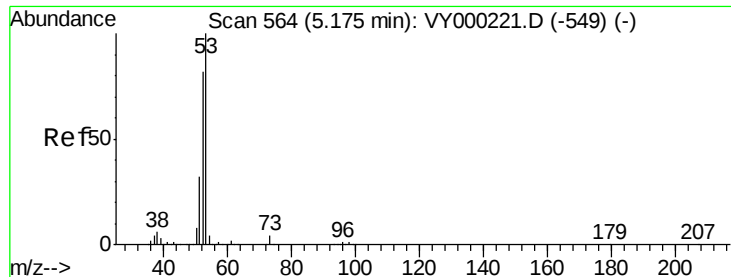
Ion Ratio Lower Upper

41 100

39 60.8 56.4 84.6

76 13.2 30.8 46.2#





#15

Acrylonitrile

Concen: 2.288 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

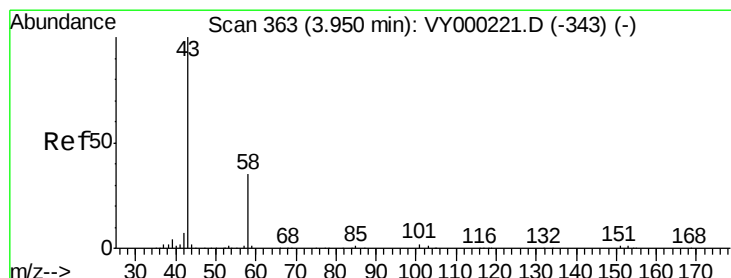
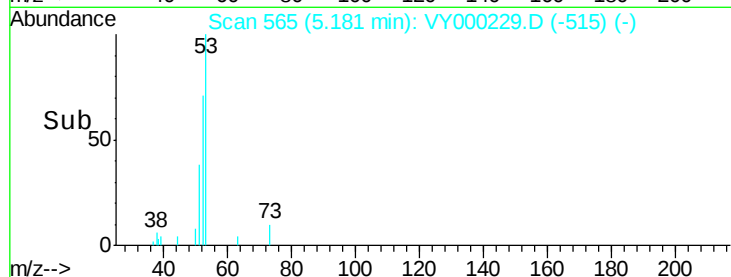
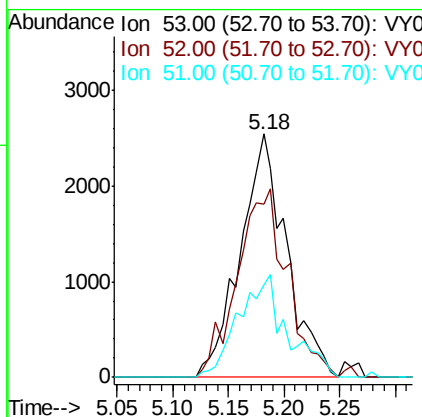
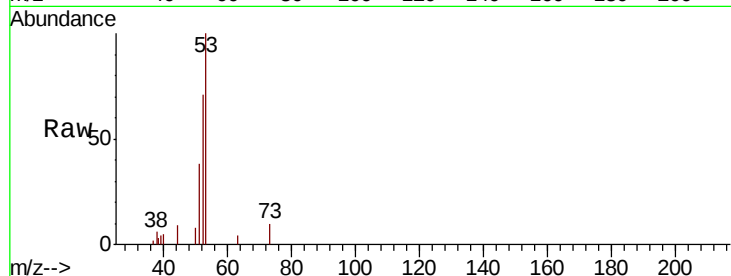
ClientSampleId :

0.5PPBMDL

Tot Ion:	53	Resp:	7310
Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.4	98.2
51	44.4	27.2	40.8

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#16

Acetone

Concen: 2.998 ug/l

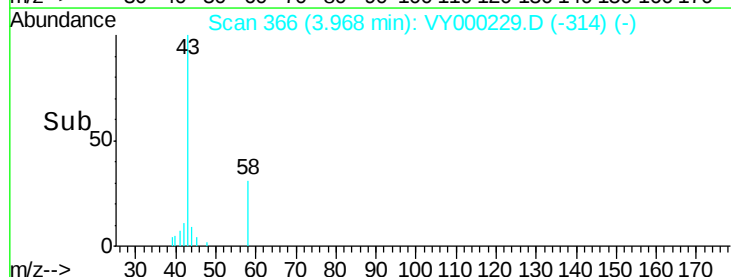
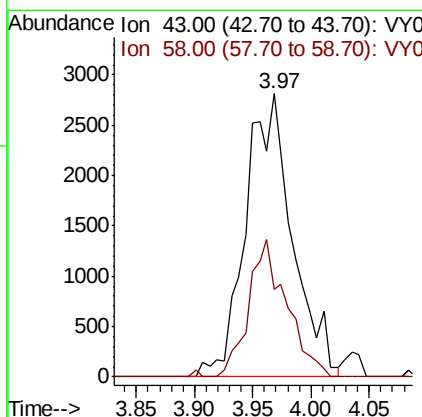
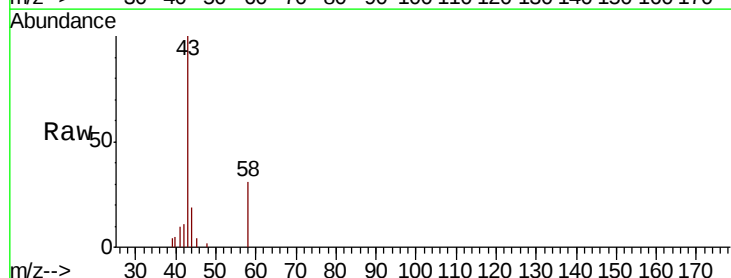
RT: 3.97 min Scan# 366

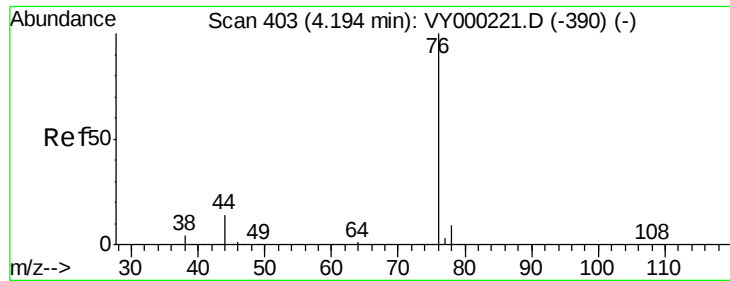
Delta R.T. 0.02 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Tgt Ion:	43	Resp:	7911
Ion	Ratio	Lower	Upper
43	100		
58	30.9	28.2	42.4





#17

Carbon Disulfide

Concen: 0.479 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 76 Resp: 4023

Ion Ratio Lower Upper

76 100

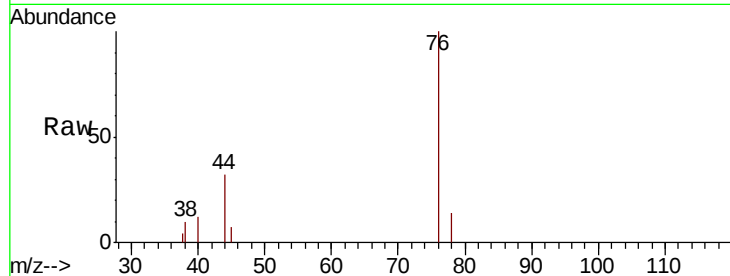
78 14.3 7.0 10.6#

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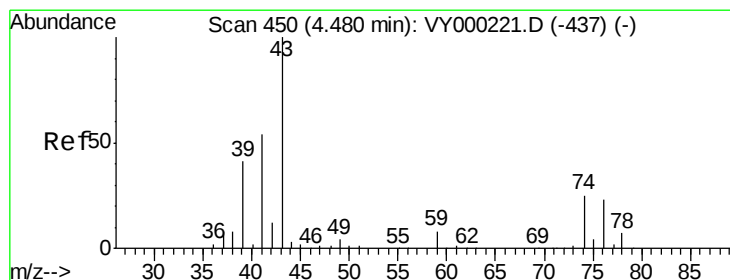
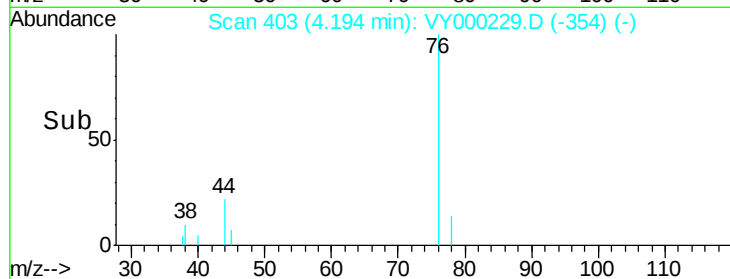
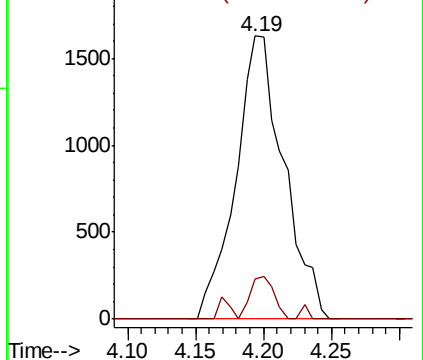
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 0.501 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000229.D

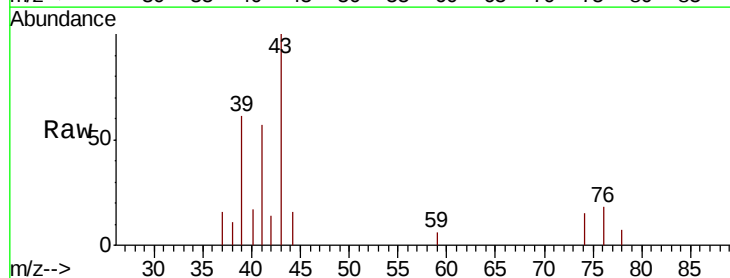
Acq: 08 Oct 2019 19:15

Tgt Ion: 43 Resp: 3622

Ion Ratio Lower Upper

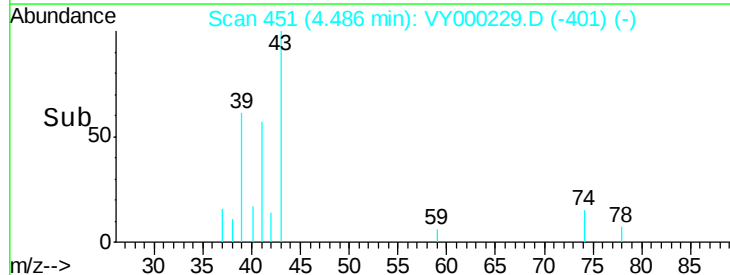
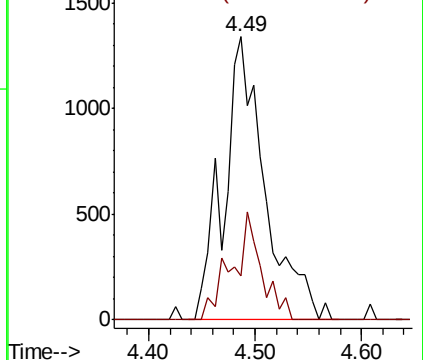
43 100

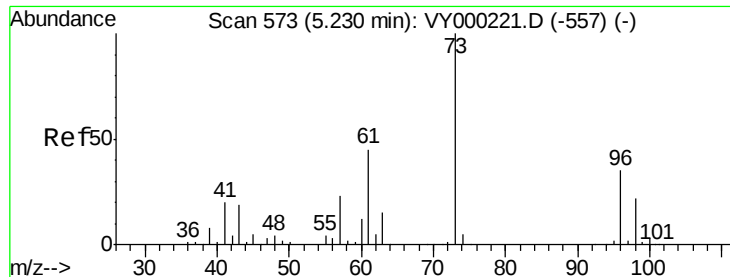
74 27.7 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





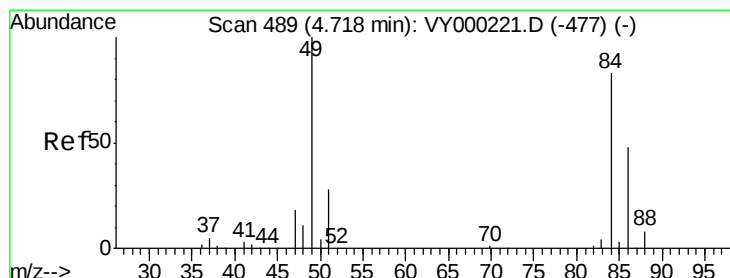
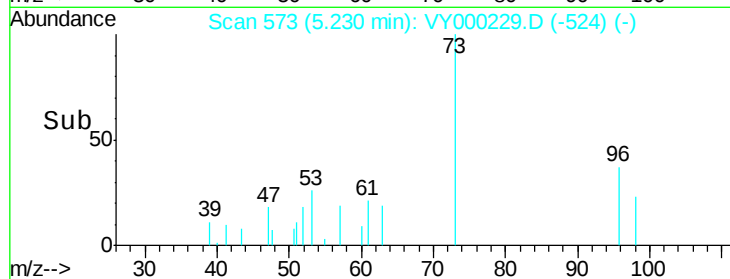
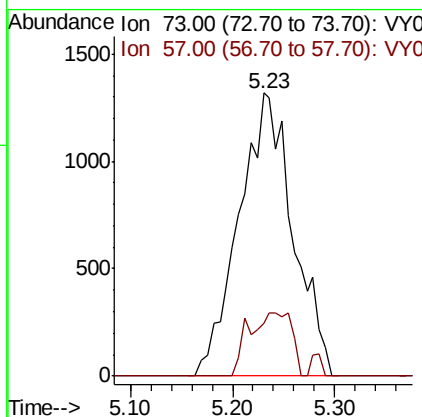
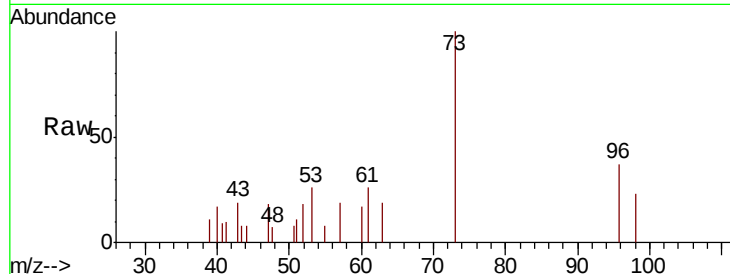
#19
Methvl tert-butvl Ether
Concen: 0.466 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 73 Resp: 4854
Ion Ratio Lower Upper
73 100
57 18.7 18.4 27.6

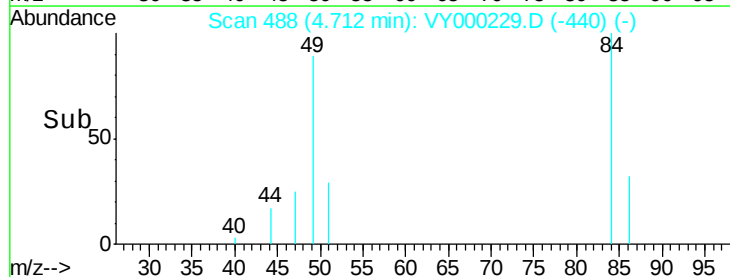
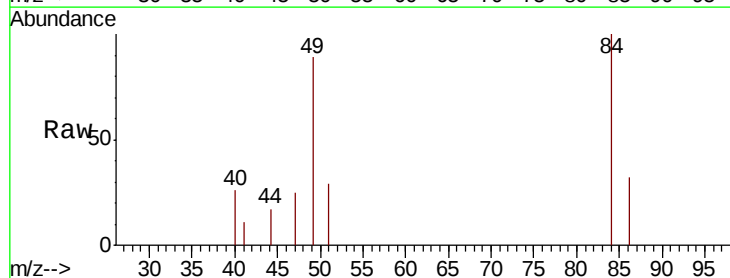
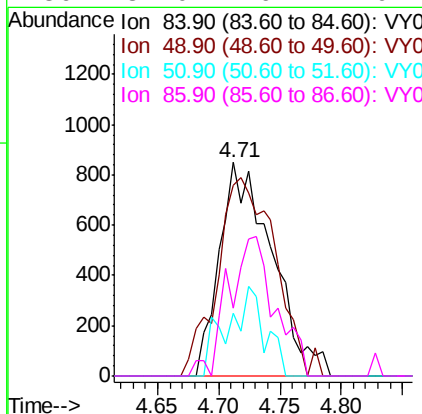
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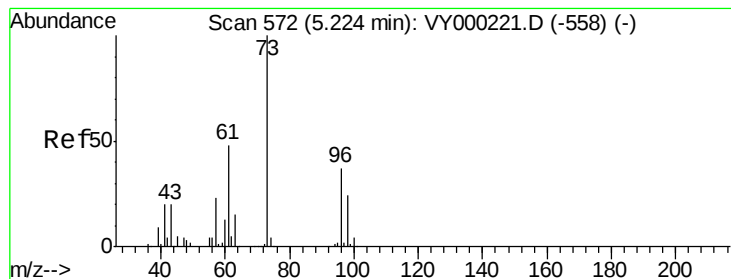
MMDadoda
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#20
Methylene Chloride
Concen: 0.734 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion: 84 Resp: 2543
Ion Ratio Lower Upper
84 100
49 89.2 96.2 144.2#
51 29.3 26.6 39.8
86 32.0 46.7 70.1#





#21

trans-1,2-Dichloroethene

Concen: 0.453 ug/l

RT: 5.24 min Scan# 575

Delta R.T. 0.02 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

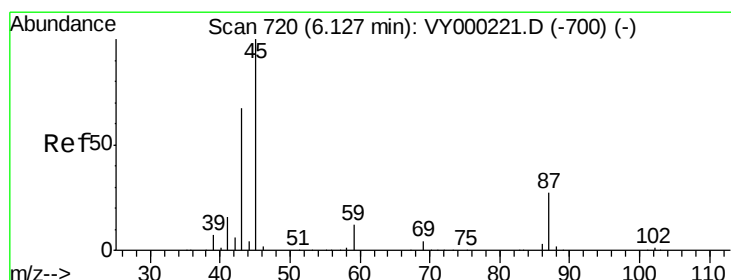
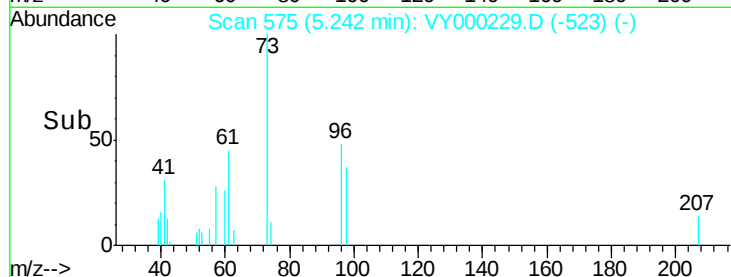
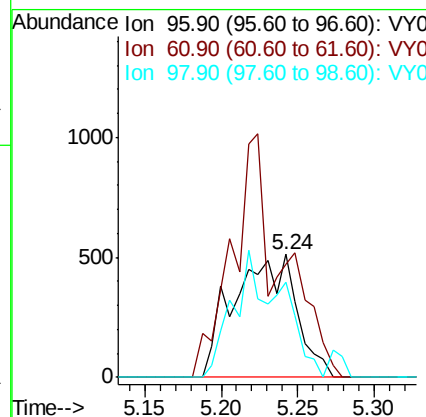
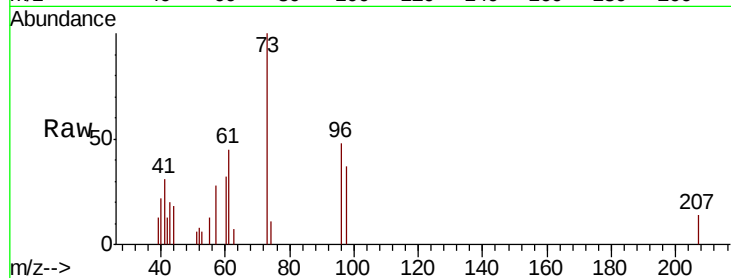
ClientSampleId :

0.5PPBMDL

Tot Ion:	96	Resp:	1451
Ion	Ratio	Lower	Upper
96	100		
61	92.0	104.2	156.2#
98	77.0	51.0	76.6#

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#22

Diisopropyl ether

Concen: 0.464 ug/l

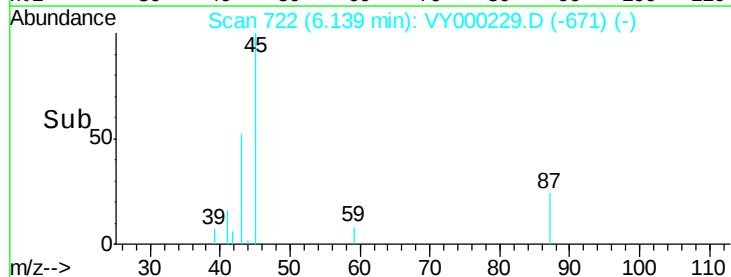
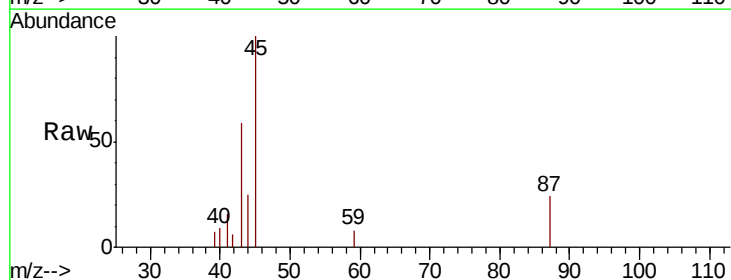
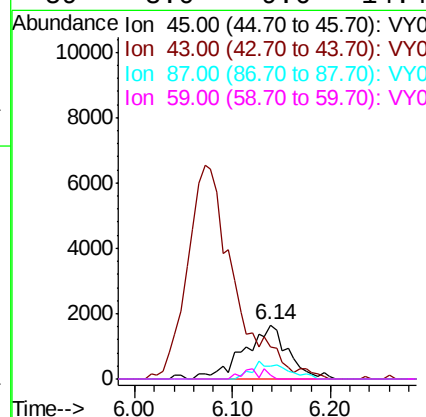
RT: 6.14 min Scan# 722

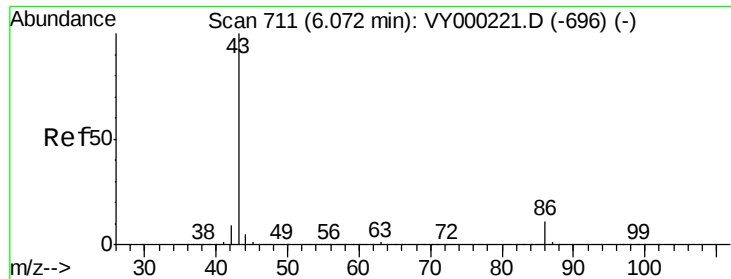
Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Tgt Ion:	45	Resp:	5160
Ion	Ratio	Lower	Upper
45	100		
43	58.9	53.4	80.2
87	23.8	21.7	32.5
59	8.0	9.6	14.4#





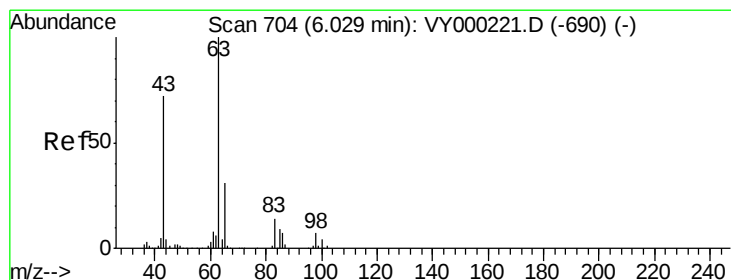
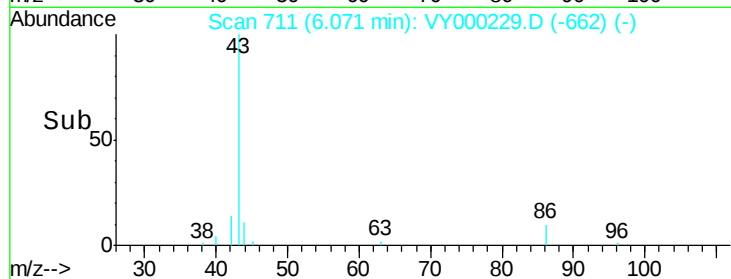
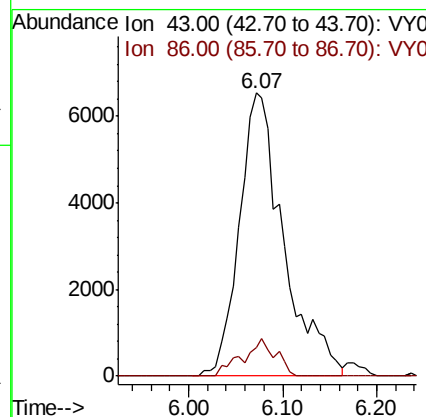
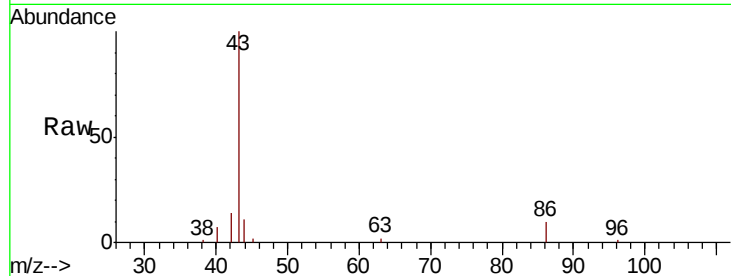
#23
 Vinyl Acetate
 Concen: 2.121 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	43	Resp	21356
Ion Ratio	Lower	Upper	
43	100		
86	10.3	8.5	12.7

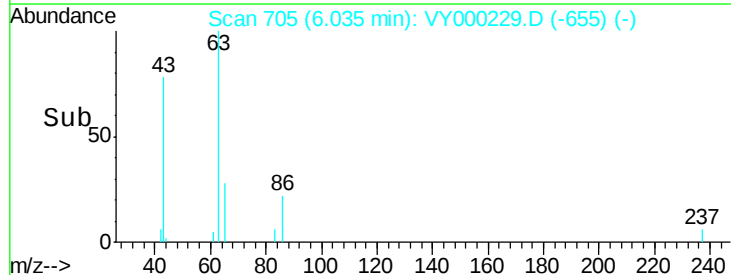
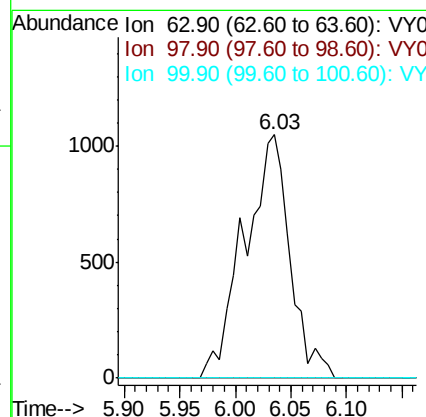
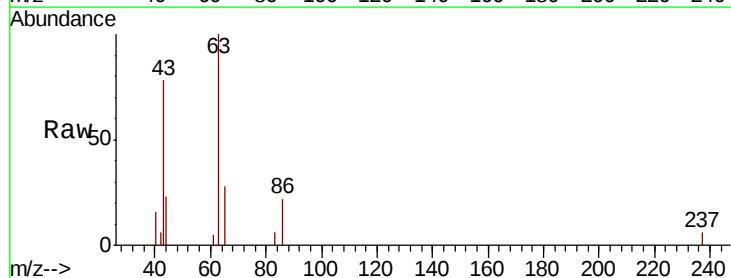
Manual Integrations
 APPROVED

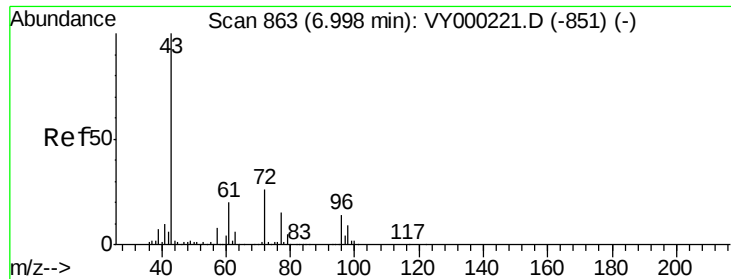
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 0.528 ug/l
 RT: 6.03 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Tgt Ion	63	Resp	2997
Ion Ratio	Lower	Upper	
63	100		
98	0.0	3.5	10.6#
100	0.0	2.1	6.5#





#25

2-Butanone

Concen: 2.391 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 11673

Ion Ratio Lower Upper

43 100

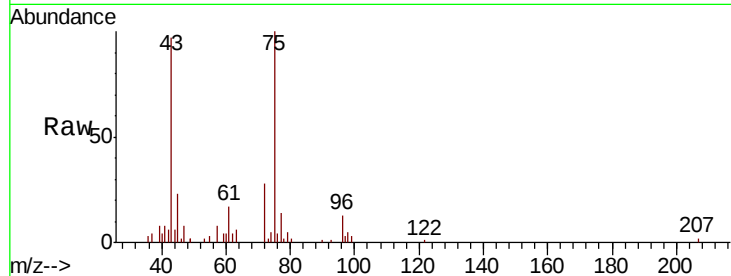
72 28.5 20.6 31.0

Manual Integrations

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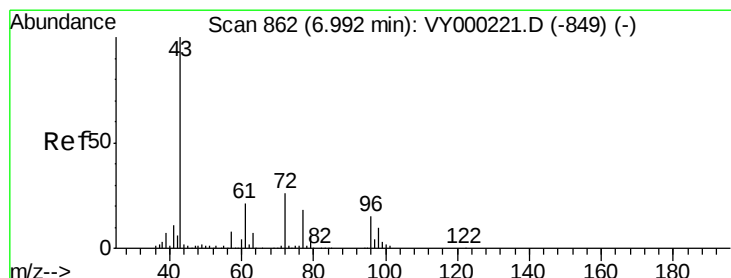
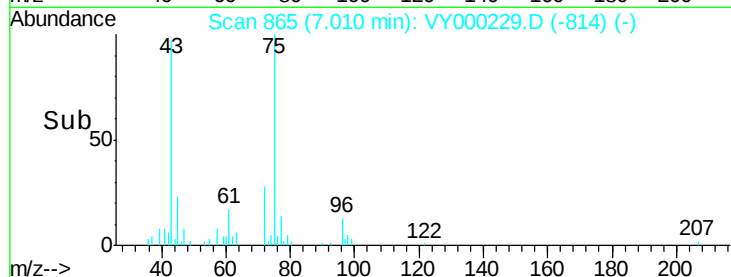
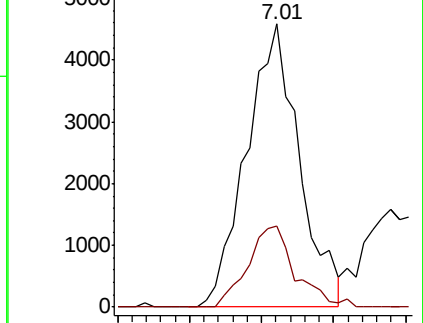
MMDadoda

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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: 0.634 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000229.D

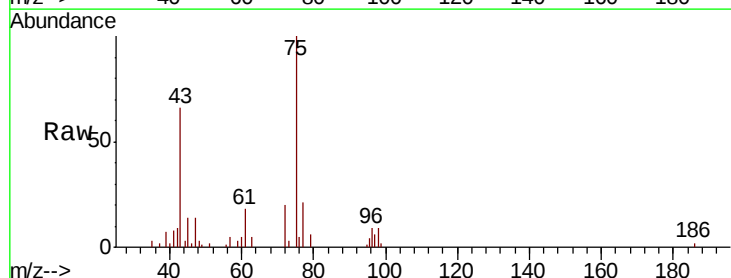
Acq: 08 Oct 2019 19:15

Tgt Ion: 77 Resp: 3247

Ion Ratio Lower Upper

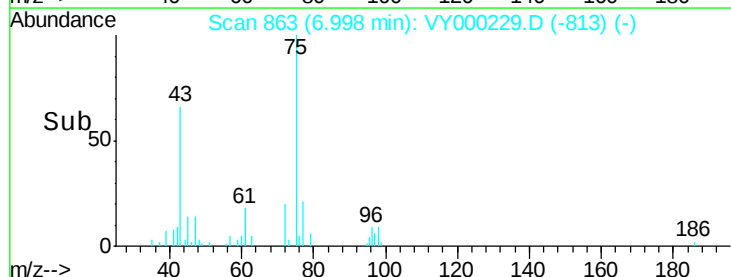
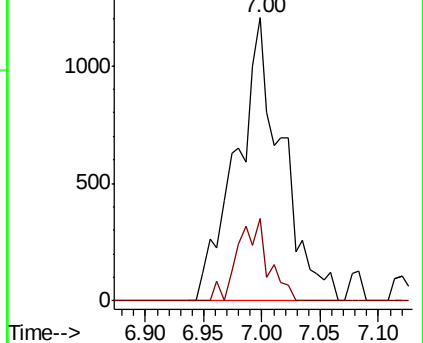
77 100

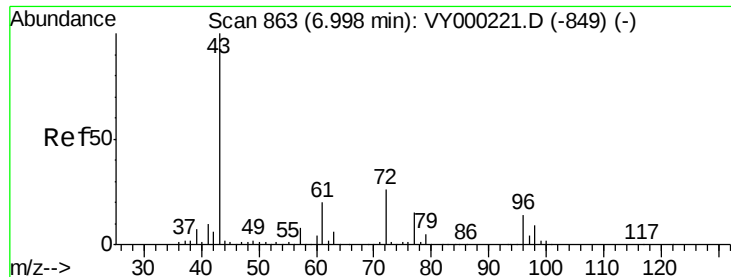
97 19.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

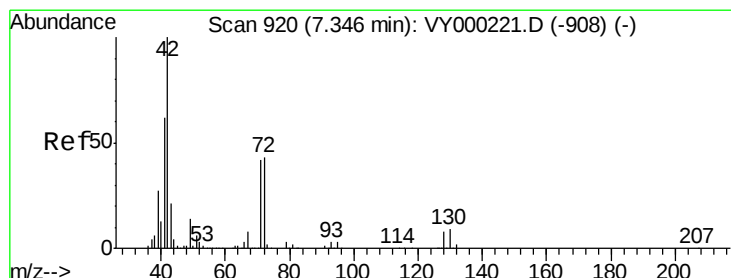
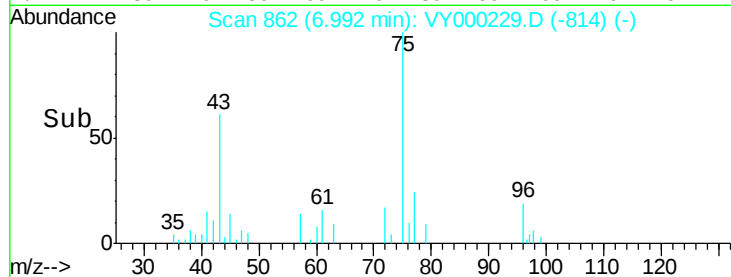
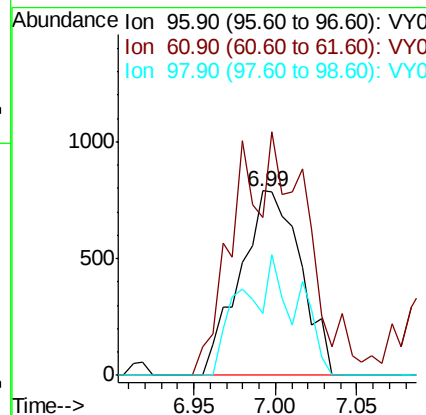
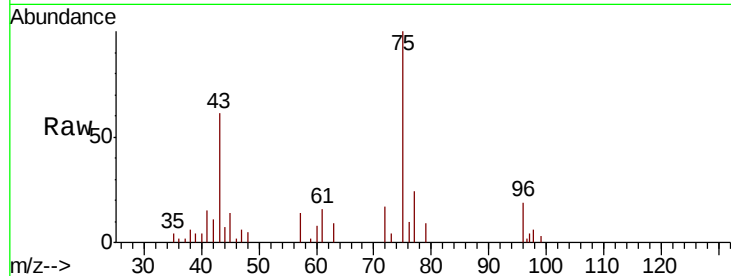
cis-1,2-Dichloroethene
Concen: 0.540 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	87.9	0.0	282.6
98	0.0	0.0	129.8

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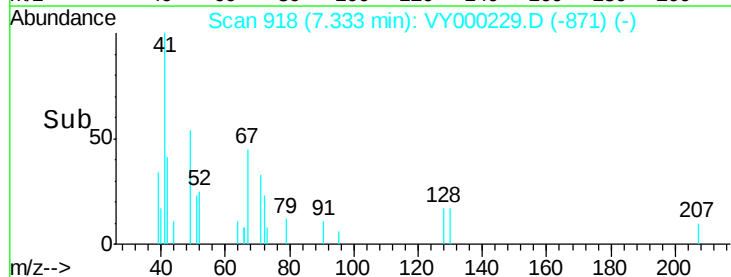
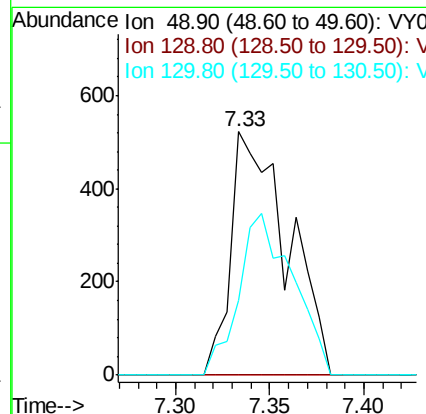
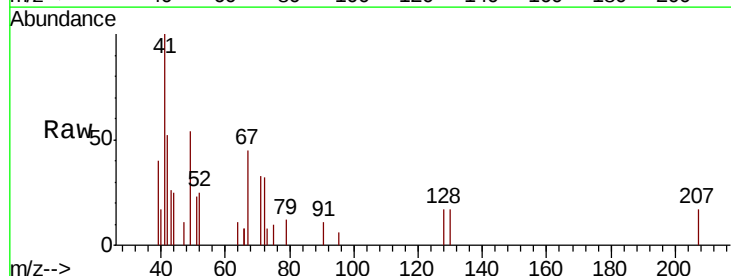
MMDadoda
10/10/2019 12:52:26 AM

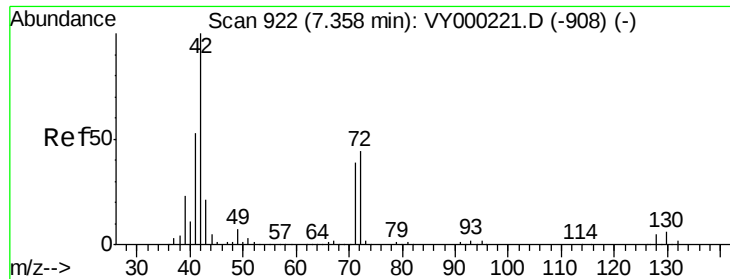


#28

Bromochloromethane
Concen: 0.583 ug/l
RT: 7.33 min Scan# 918
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	63.3	56.5	84.7





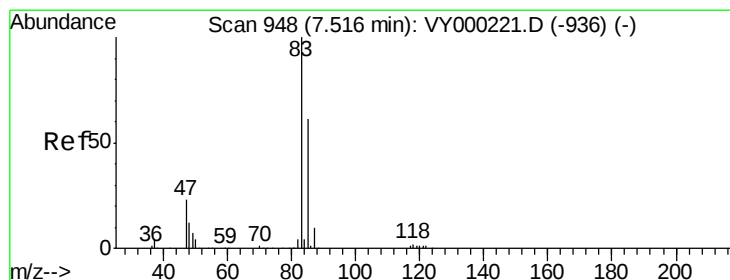
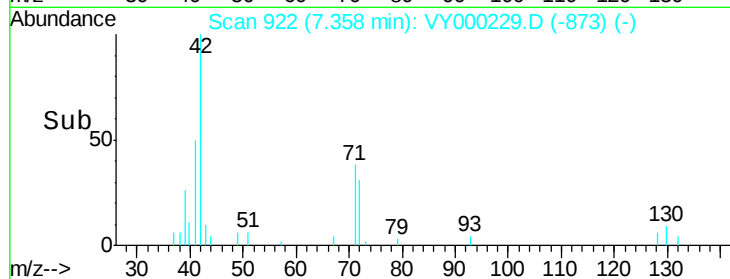
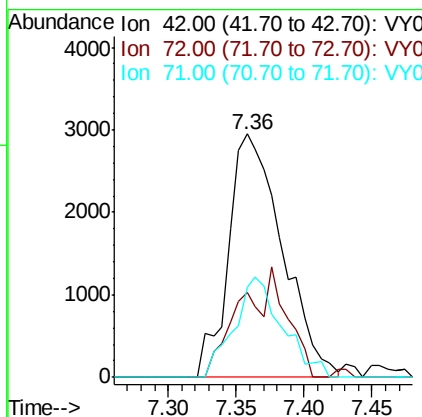
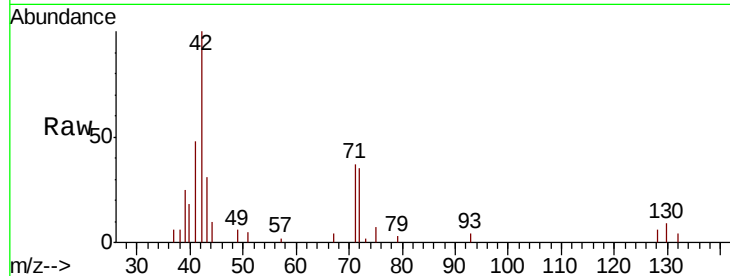
#29
Tetrahydrofuran
Concen: 2.367 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
42	100		
72	22.0	34.6	51.8#
71	36.9	31.9	47.9

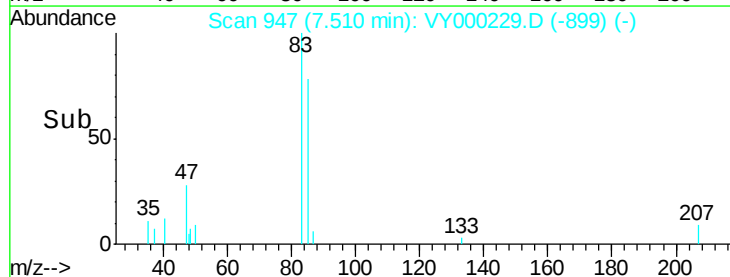
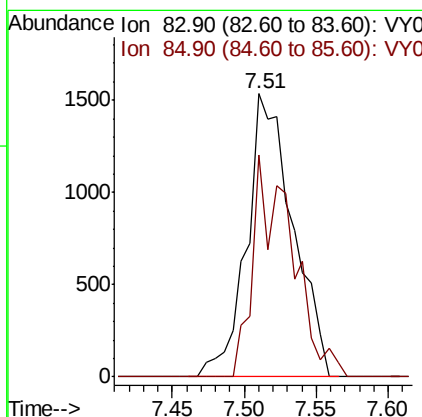
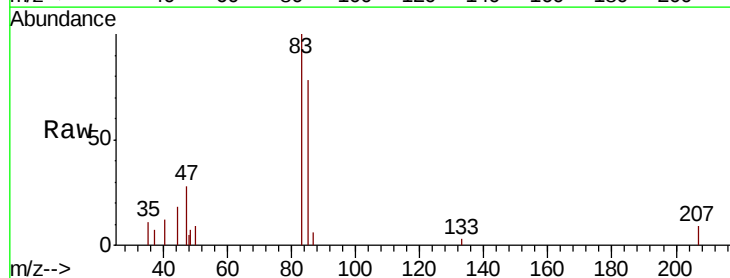
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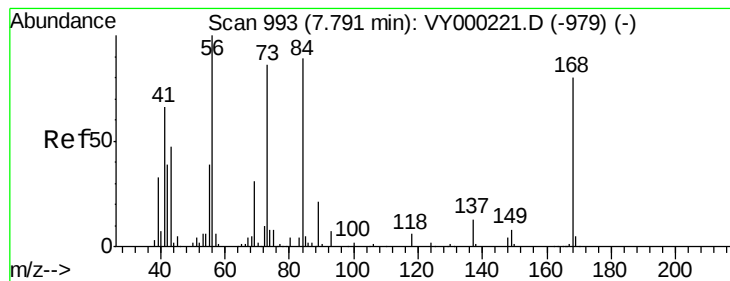
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#30
Chloroform
Concen: 0.579 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	78.3	48.9	73.3#





#31

Cvclohexane

Concen: 1.331 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 56 Resp: 7623

Ion Ratio Lower Upper

56 100

69 133.2 24.7 37.1#

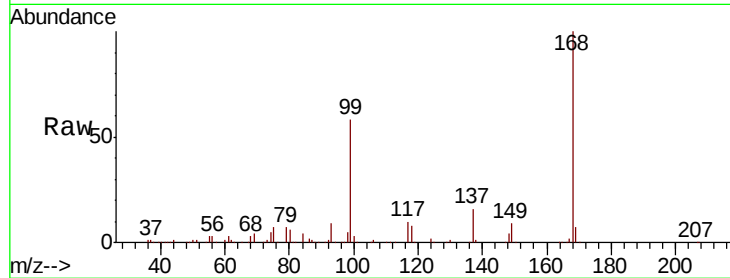
84 119.9 71.3 106.9#

Manual Integrations

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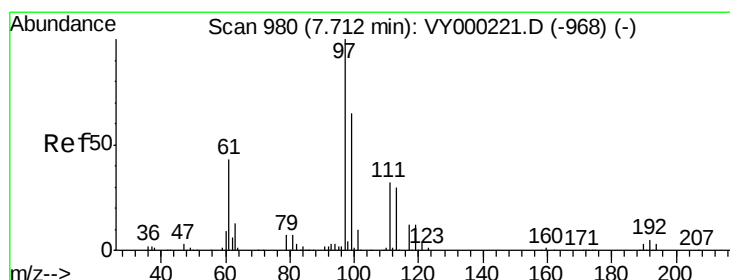
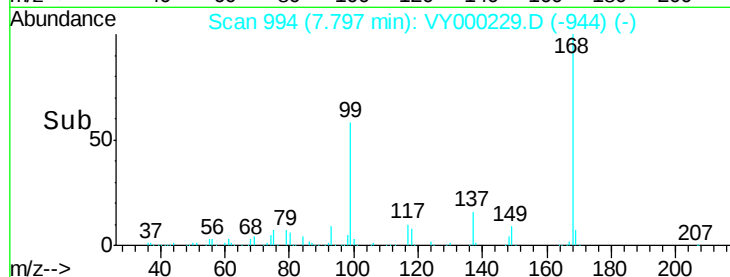
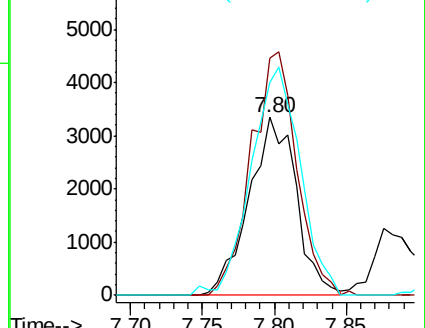
10/10/2019 12:52:26 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 0.447 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

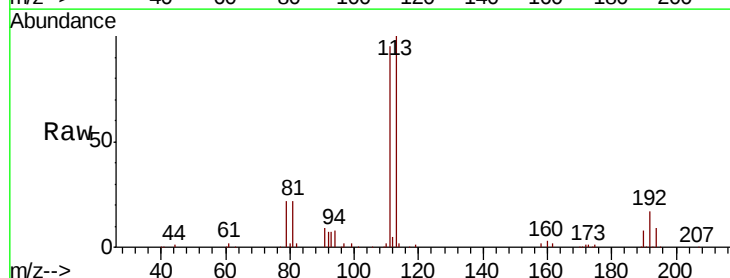
Tgt Ion: 97 Resp: 2238

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.2#

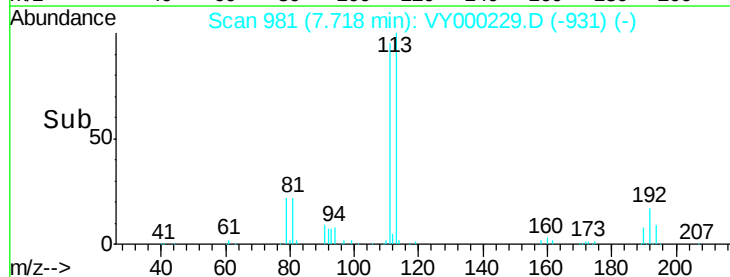
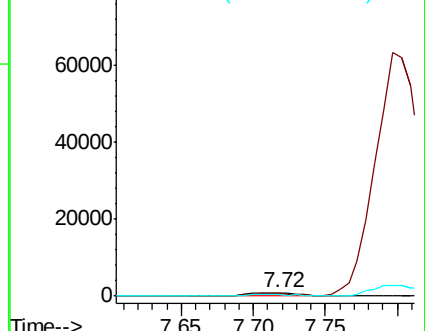
61 49.6 34.2 51.4

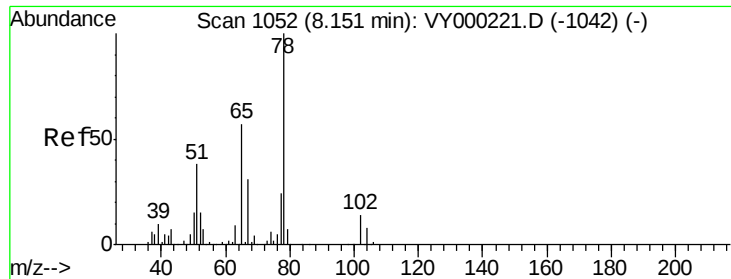


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





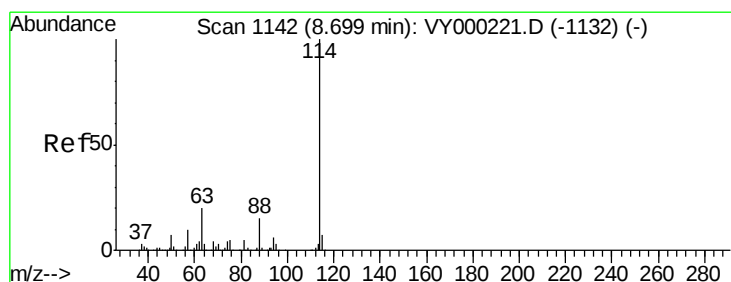
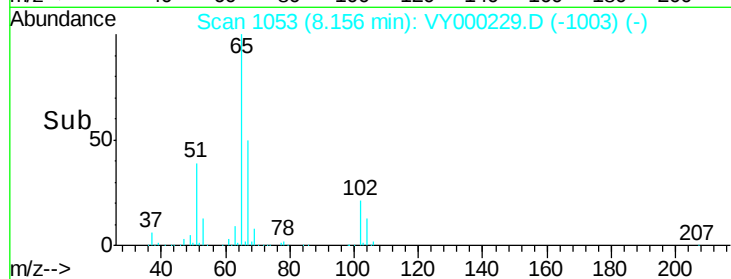
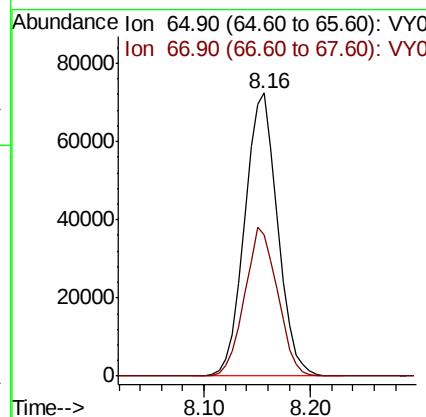
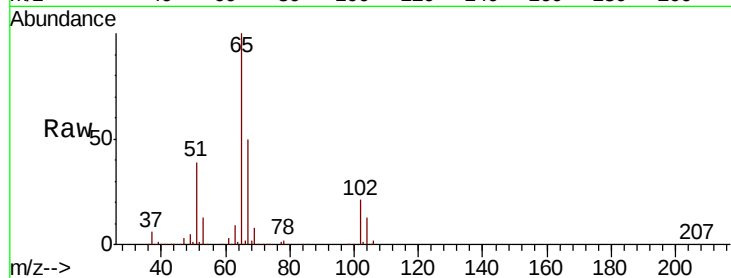
#33
 1,2-Dichloroethane-d4
 Concen: 47.079 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156842		
67	52.7	0.0	109.0	

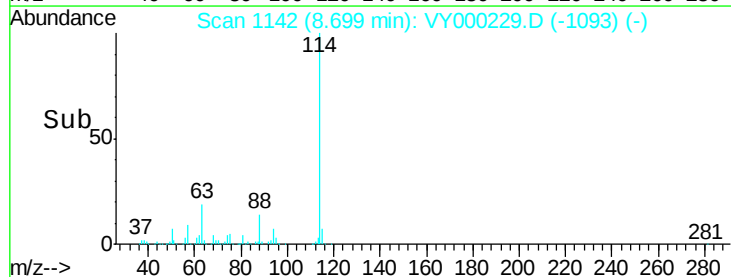
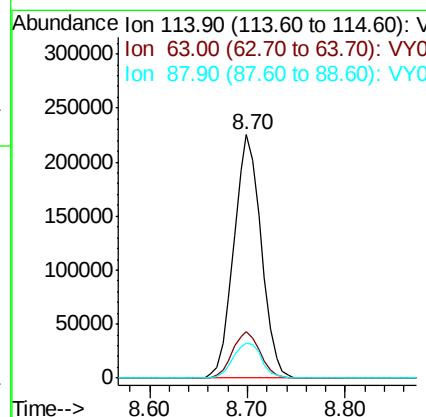
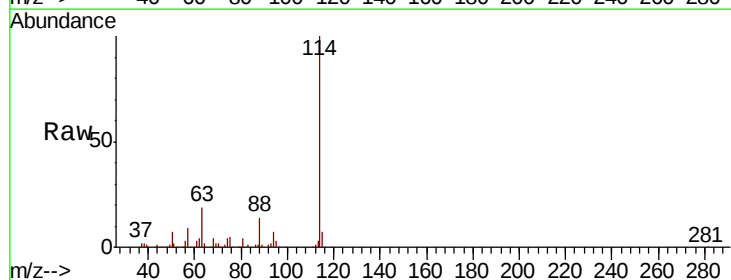
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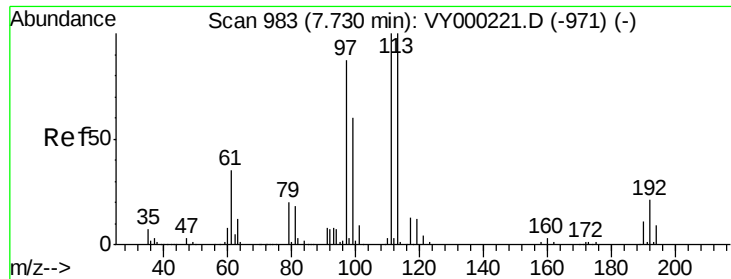
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	434982		
63	19.1	0.0	39.0	
88	14.3	0.0	30.6	





#35

Dibromofluoromethane

Concen: 45.797 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

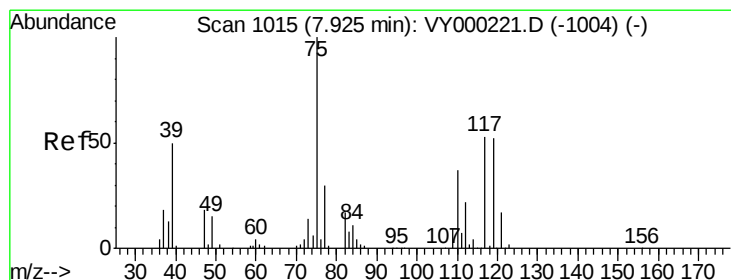
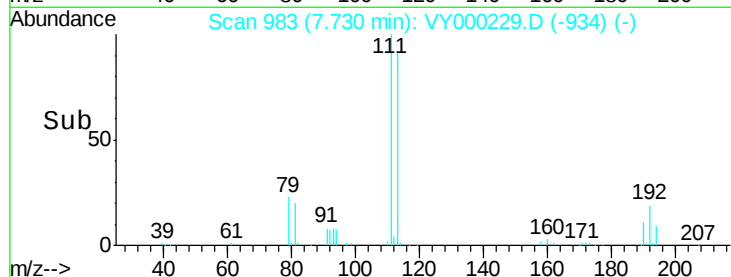
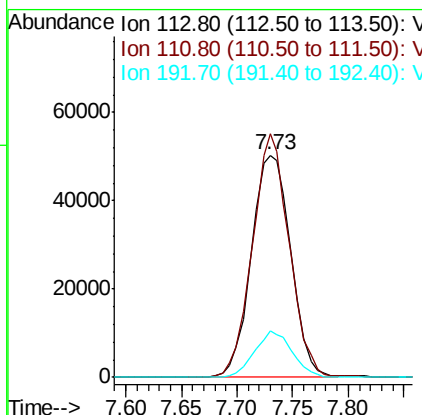
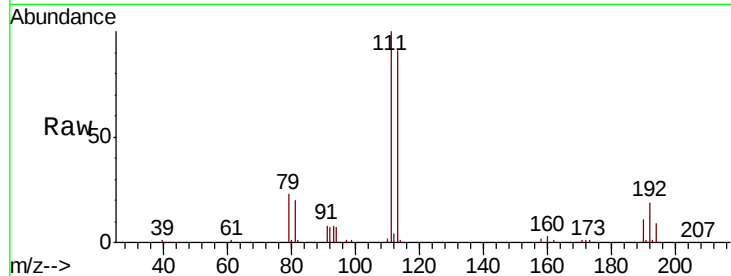
ClientSampleId :

0.5PPBMDL

Tot Ion:	113	Resp:	124121
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.6	124.0
192	20.1	15.8	23.8

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#36

1,1-Dichloropropene

Concen: 0.470 ug/l

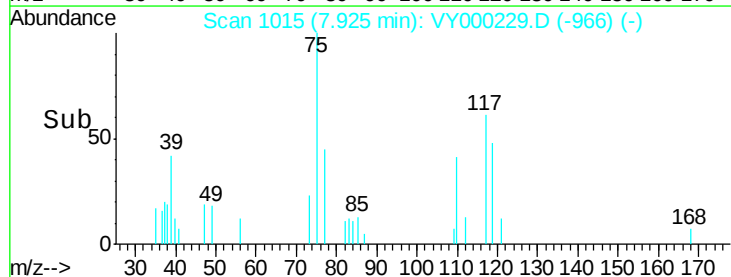
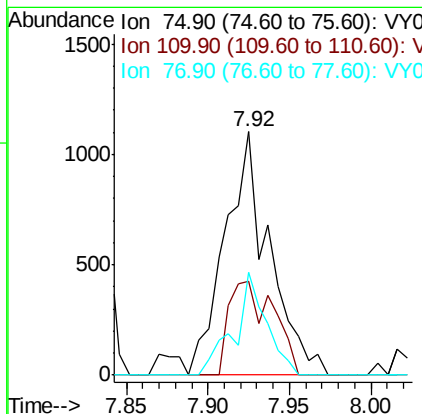
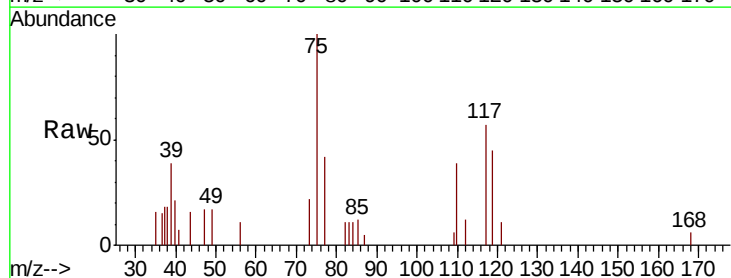
RT: 7.92 min Scan# 1015

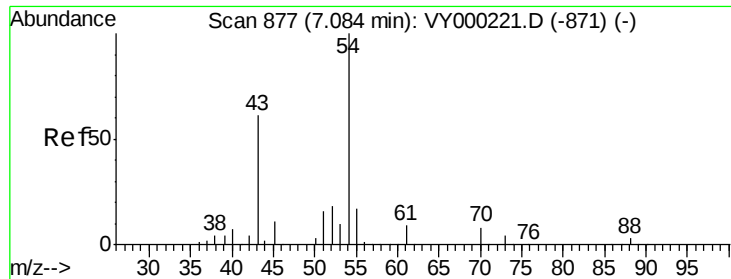
Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Tgt Ion:	75	Resp:	2079
Ion Ratio	Lower	Upper	
75	100		
110	38.4	18.4	55.2
77	30.5	24.7	37.1





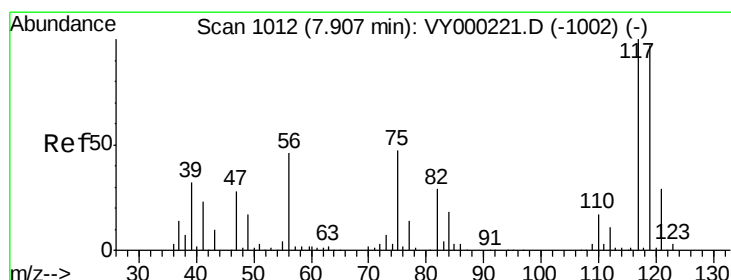
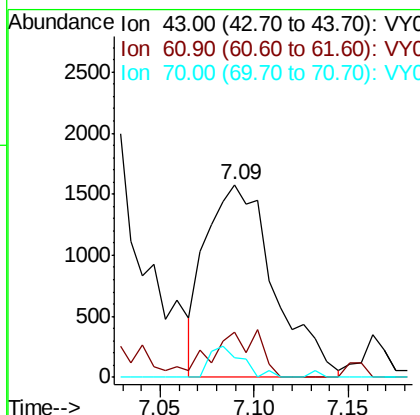
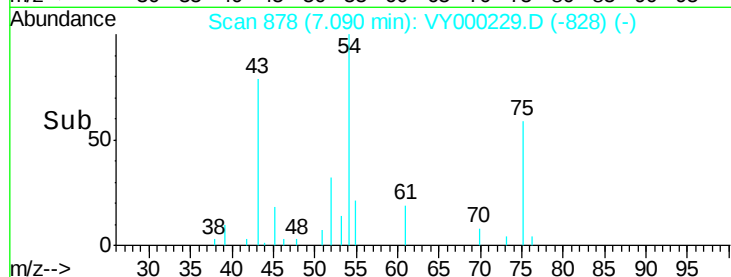
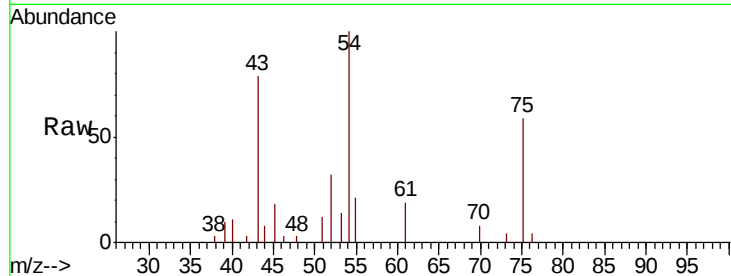
#37
Ethyl Acetate
Concen: 0.497 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 43 Resp: 3973
Ion Ratio Lower Upper
43 100
61 17.0 11.1 16.7#
70 7.7 8.5 12.7#

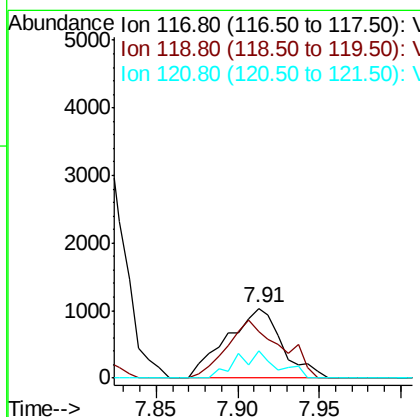
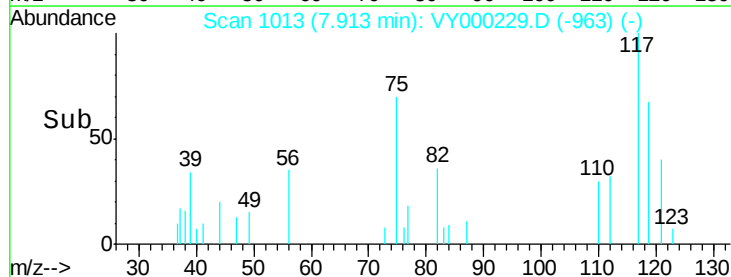
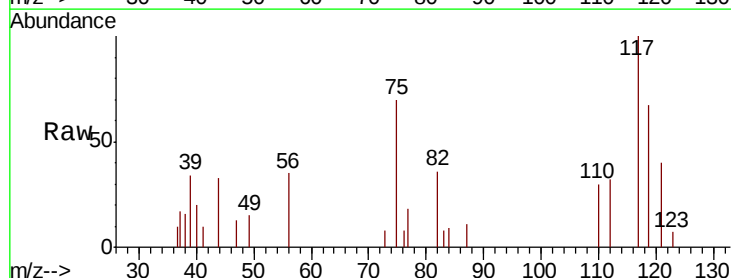
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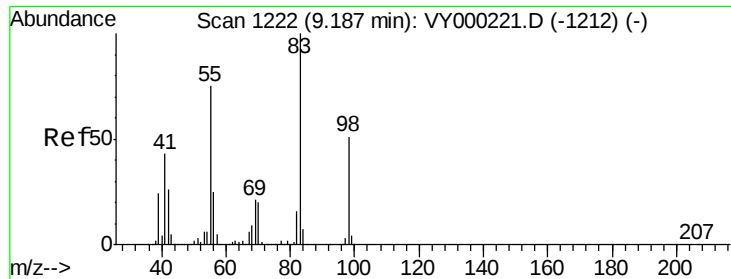
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#38
Carbon Tetrachloride
Concen: 0.563 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion: 117 Resp: 2430
Ion Ratio Lower Upper
117 100
119 67.3 77.2 115.8#
121 39.8 23.1 34.7#





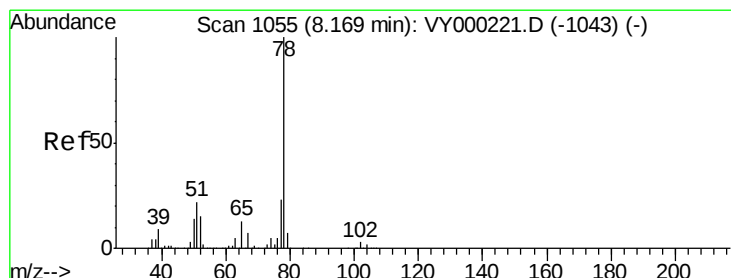
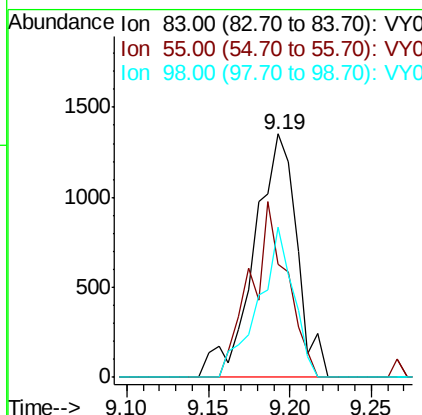
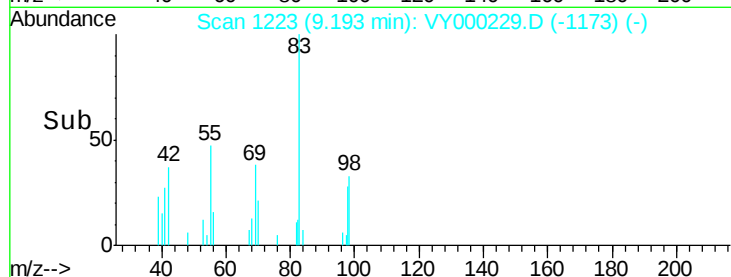
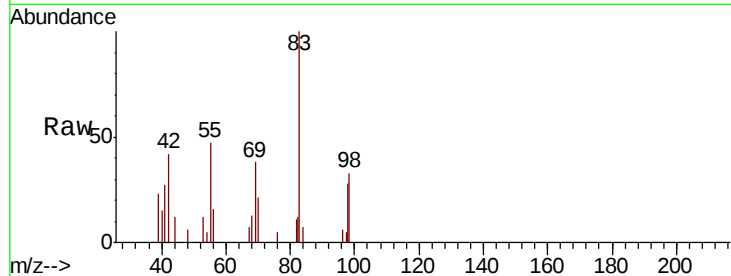
#39
Methvlcvclohexane
Concen: 0.445 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	83	Resp	2470
Ion Ratio	Lower	Upper	
83	100		
55	46.6	60.2	90.4#
98	61.4	40.5	60.7#

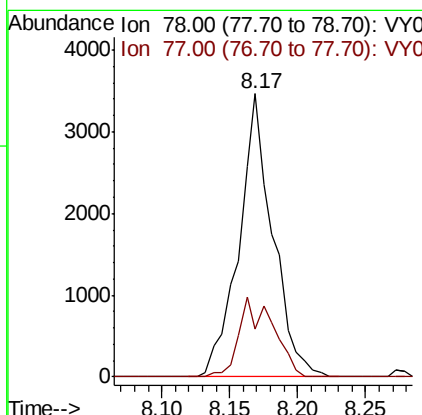
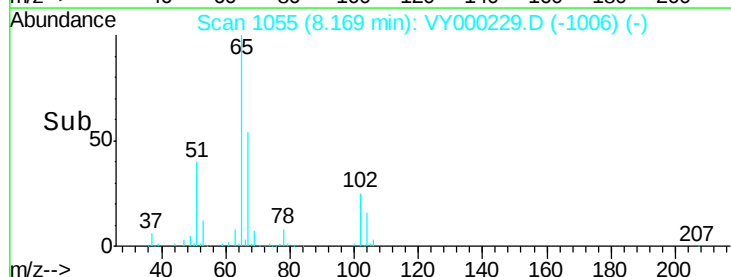
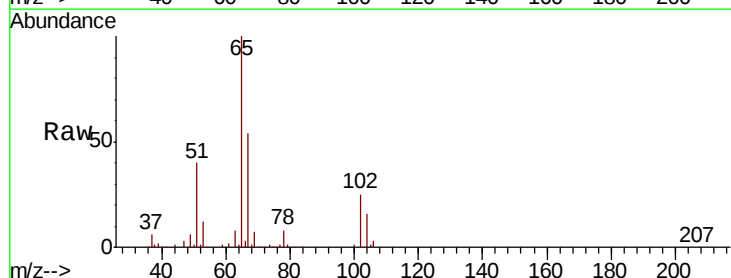
Manual Integrations
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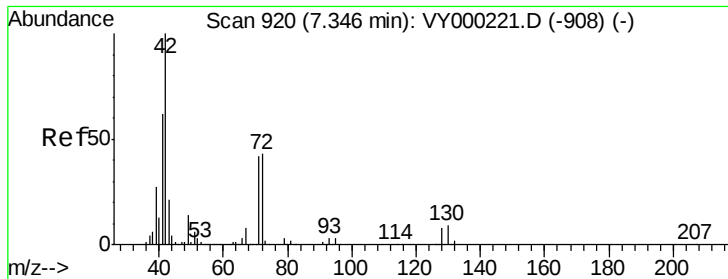
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#40
Benzene
Concen: 0.446 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	78	Resp	5983
Ion Ratio	Lower	Upper	
78	100		
77	17.1	18.6	28.0#





#41

Methacrylonitrile

Concen: 0.440 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 41 Resp: 2772

Ion Ratio Lower Upper

41 100

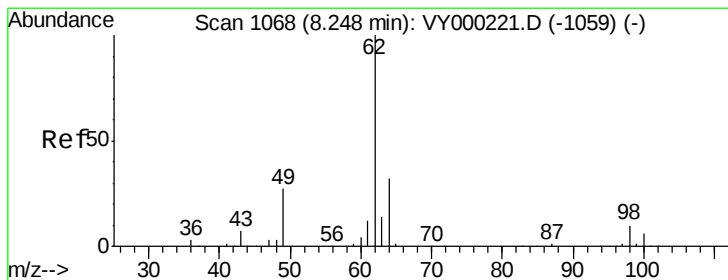
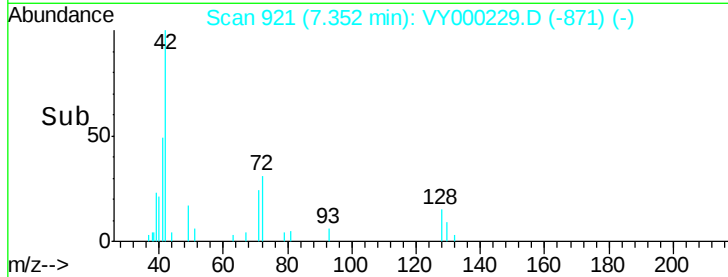
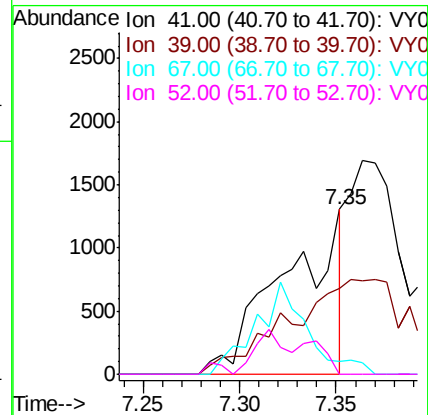
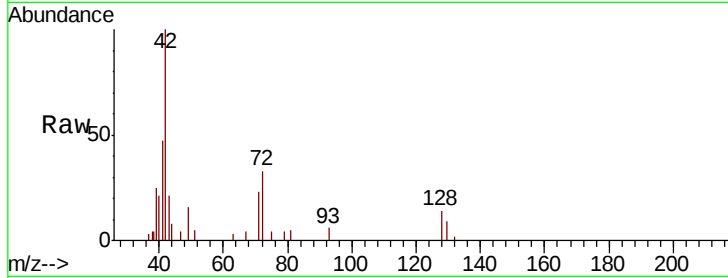
39 0.0 74.7 112.1#

67 0.0 0.0 0.0

52 8.9 0.0 0.0#

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#42

1,2-Dichloroethane

Concen: 0.549 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VY000229.D

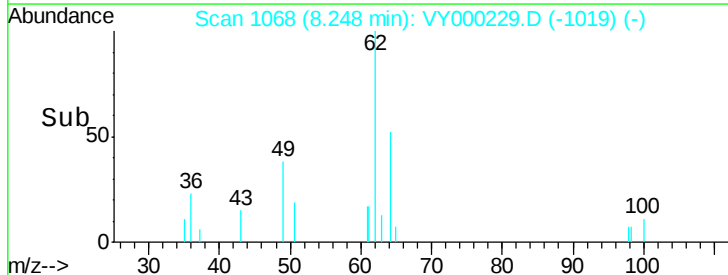
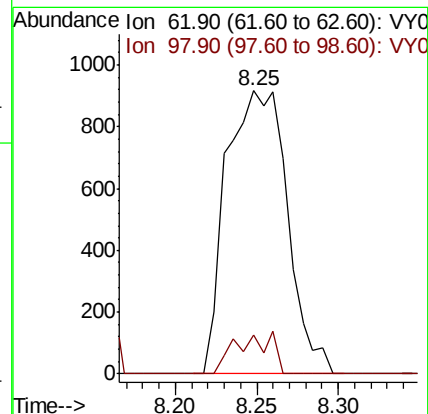
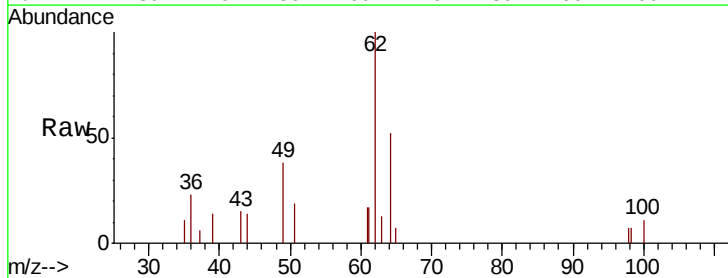
Acq: 08 Oct 2019 19:15

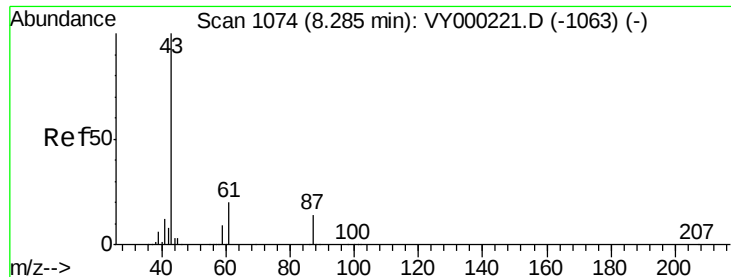
Tgt Ion: 62 Resp: 2393

Ion Ratio Lower Upper

62 100

98 3.8 0.0 20.0





#43

Isopropyl Acetate

Concen: 0.483 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

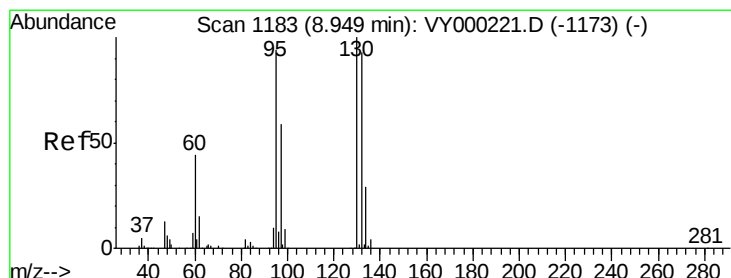
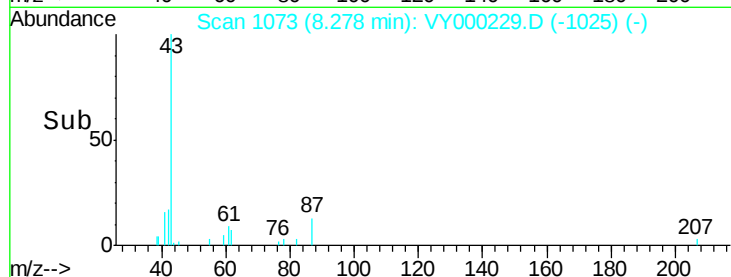
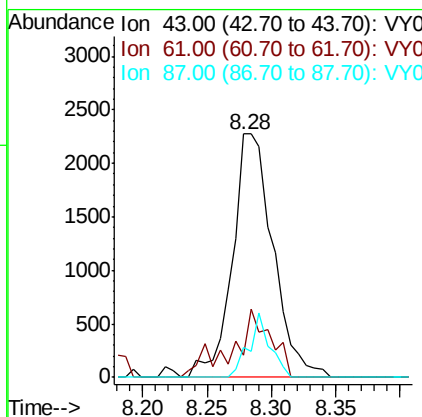
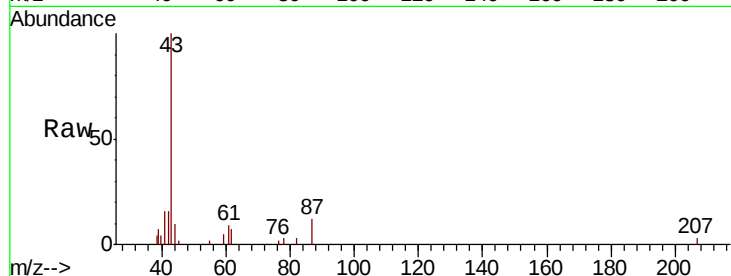
ClientSampleId :

0.5PPBMDL

Tot Ion:	43	Resp:	4974
Ion	Ratio	Lower	Upper
43	100		
61	19.4	20.1	30.1#
87	13.3	10.6	15.8

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#44

Trichloroethene

Concen: 0.476 ug/l

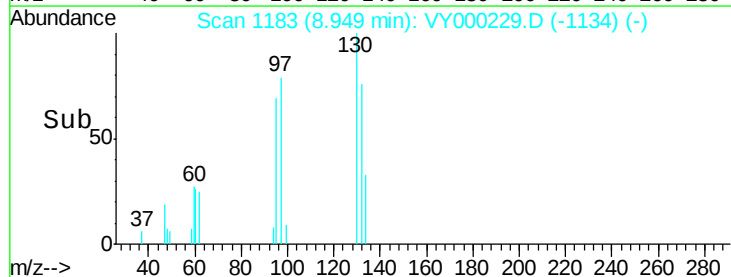
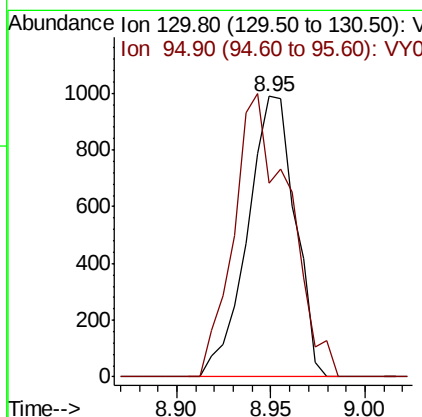
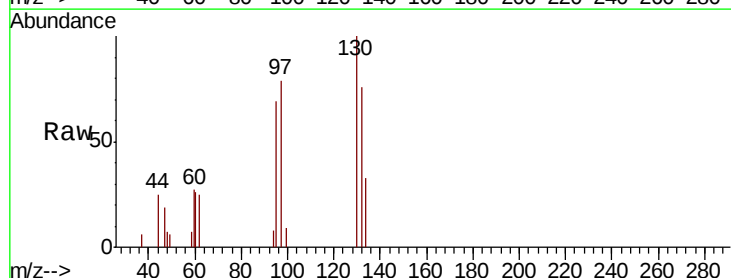
RT: 8.95 min Scan# 1183

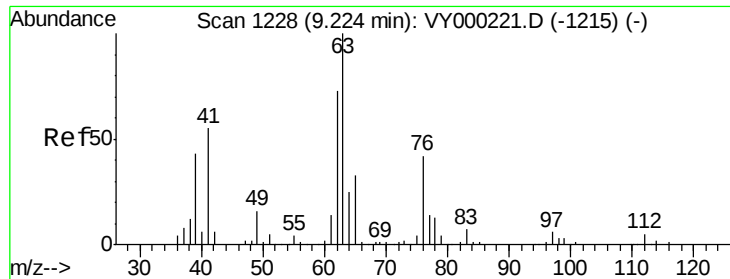
Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Tgt Ion:	130	Resp:	1734
Ion	Ratio	Lower	Upper
130	100		
95	69.3	0.0	189.0





#45

1,2-Dichloropropane

Concen: 0.423 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 63 Resp: 1422

Ion Ratio Lower Upper

63 100

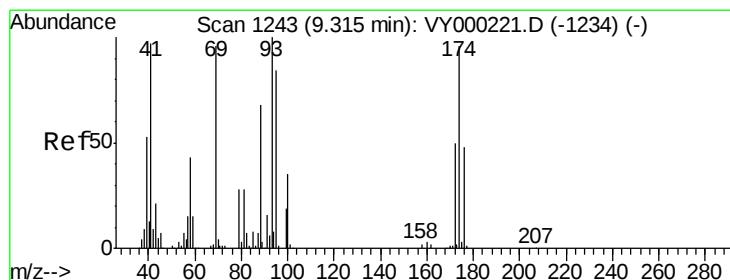
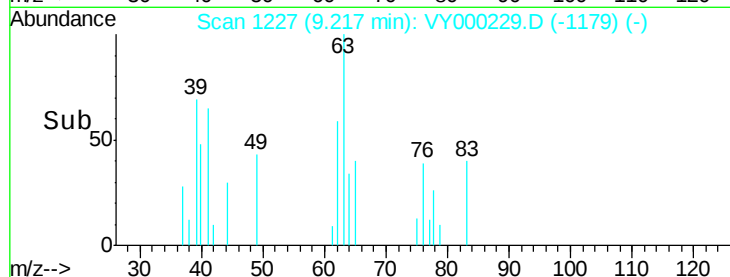
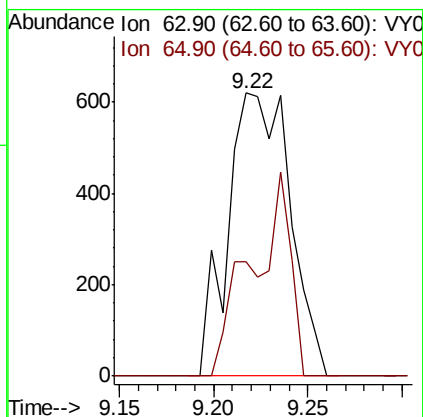
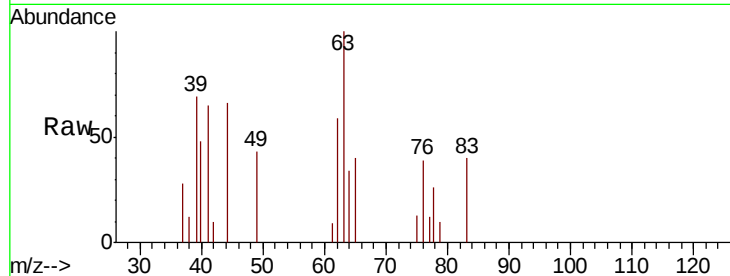
65 40.5 26.6 39.8#

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#46

Dibromomethane

Concen: 0.454 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

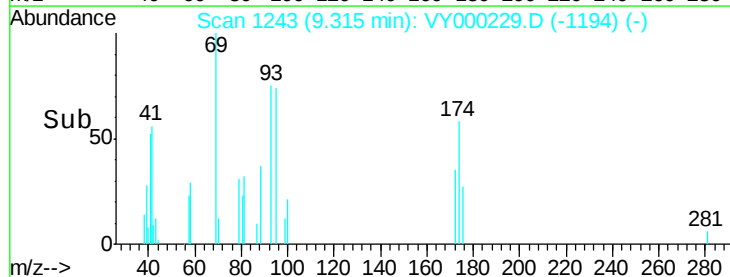
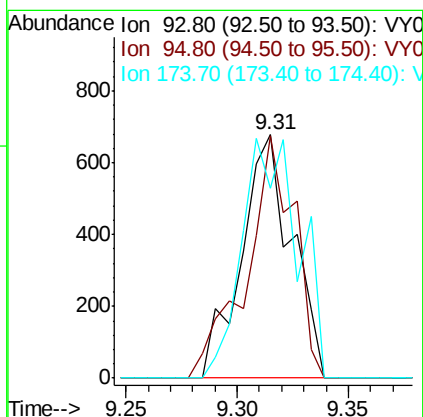
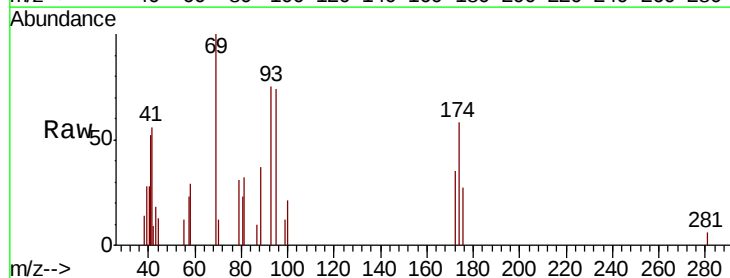
Tgt Ion: 93 Resp: 1070

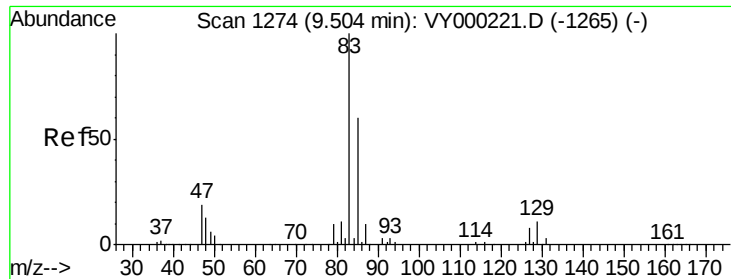
Ion Ratio Lower Upper

93 100

95 93.9 67.0 100.6

174 109.3 77.5 116.3





#47

Bromodichloromethane

Concen: 0.513 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

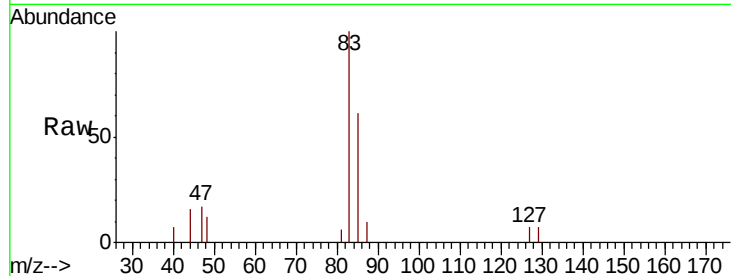
ClientSampleId :

0.5PPBMDL

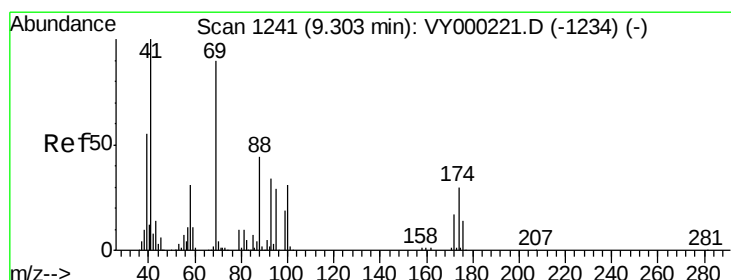
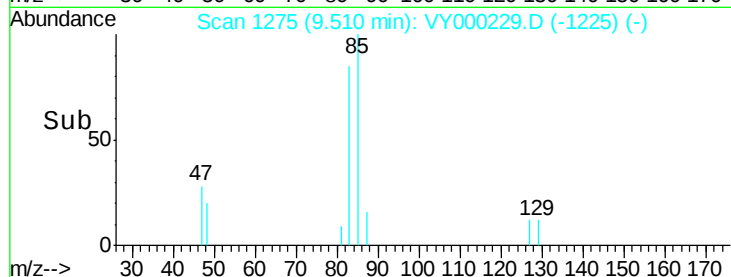
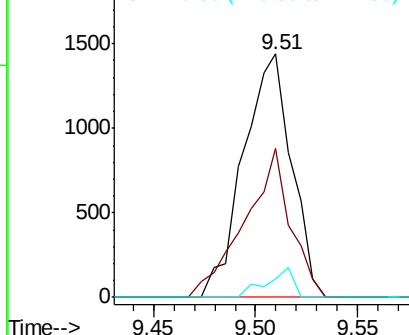
Tot Ion:	83	Resp:	2365
Ion Ratio	Lower	Upper	
83	100		
85	61.0	48.0	72.0
127	7.4	6.5	9.7

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Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.538 ug/l

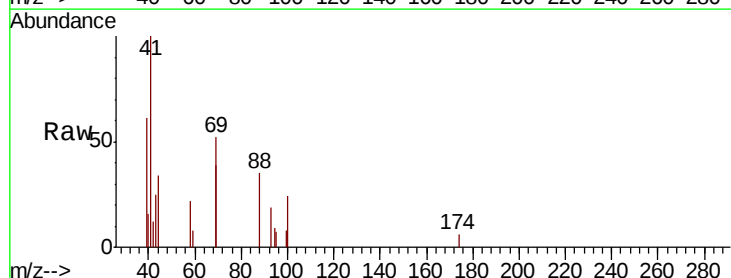
RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

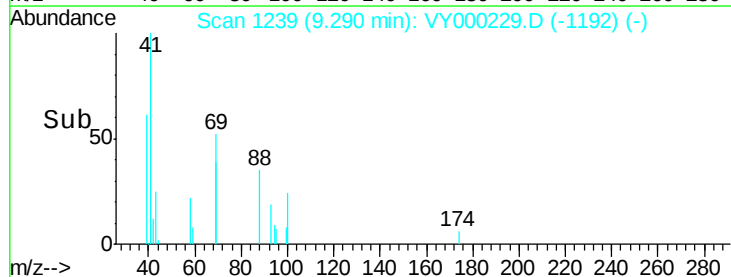
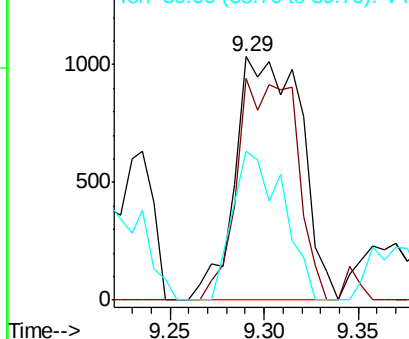
Lab File: VY000229.D

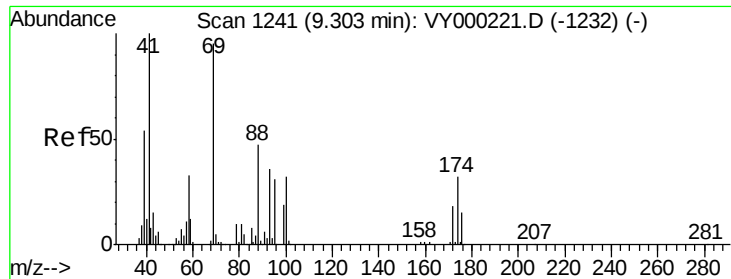
Acq: 08 Oct 2019 19:15

Tgt Ion:	41	Resp:	2501
Ion Ratio	Lower	Upper	
41	100		
69	81.9	70.3	105.5
39	47.2	45.5	68.3



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





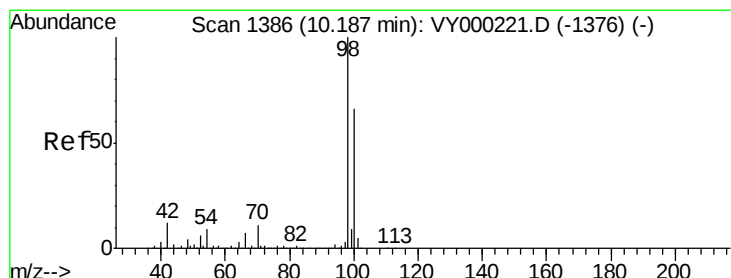
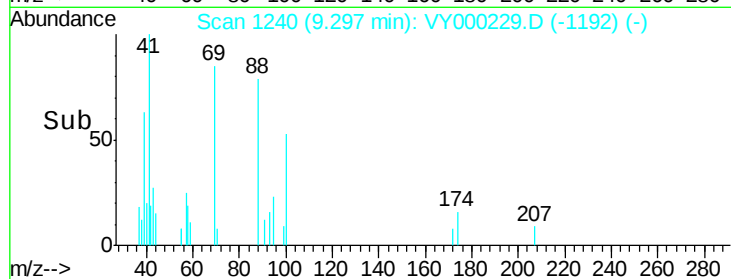
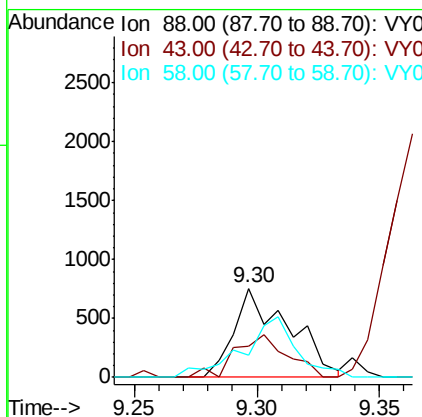
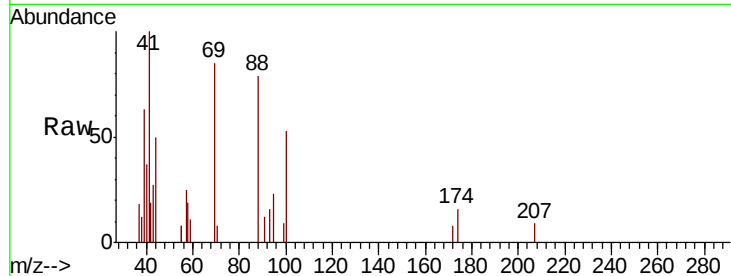
#49
1,4-Dioxane
Concen: 9.939 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.5	24.5	36.7#
58	66.8	54.2	81.2

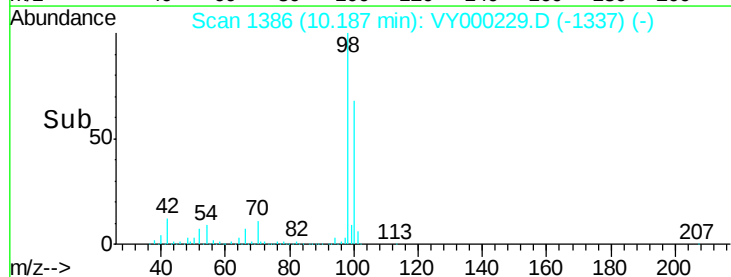
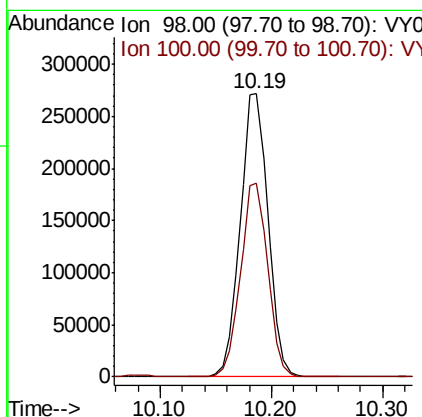
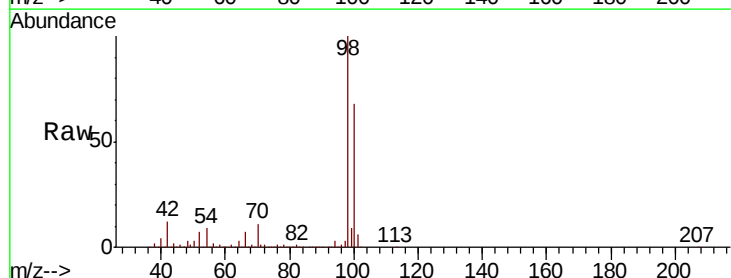
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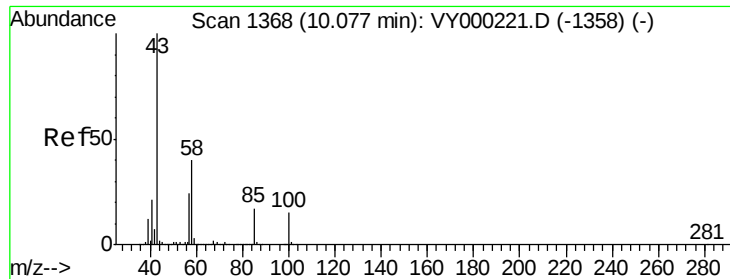
MMDadoda
10/10/2019 12:52:26 AM



#50
Toluene-d8
Concen: 44.207 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 2.182 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 43 Resp: 16889

Ion Ratio Lower Upper

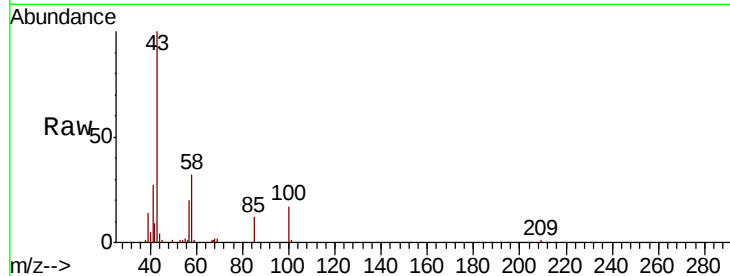
43 100

58 38.5 31.7 47.5

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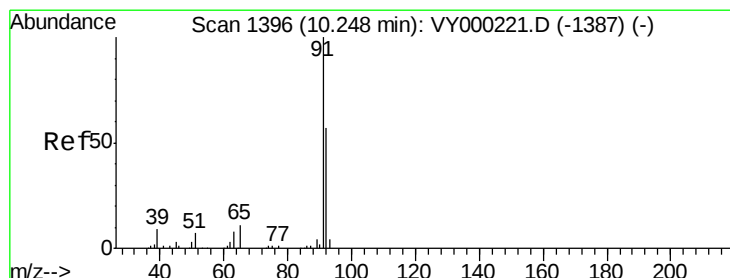
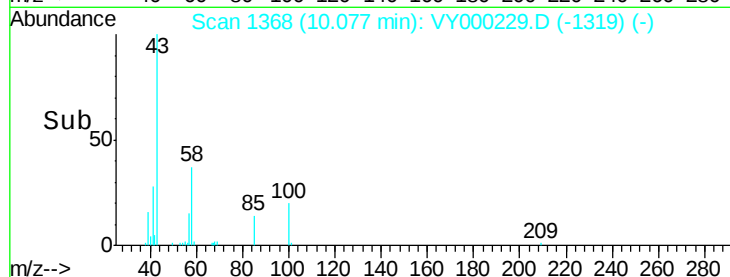
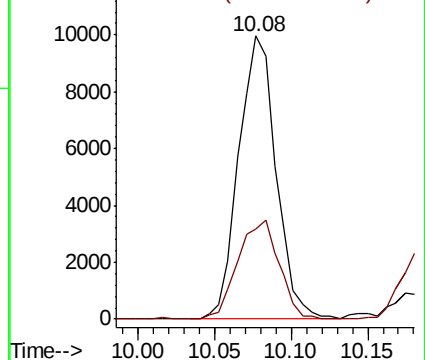
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 0.428 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000229.D

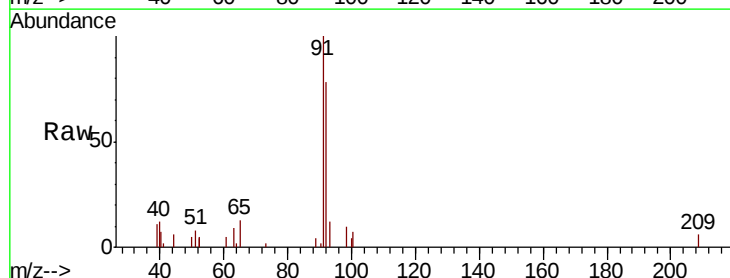
Acq: 08 Oct 2019 19:15

Tgt Ion: 92 Resp: 3687

Ion Ratio Lower Upper

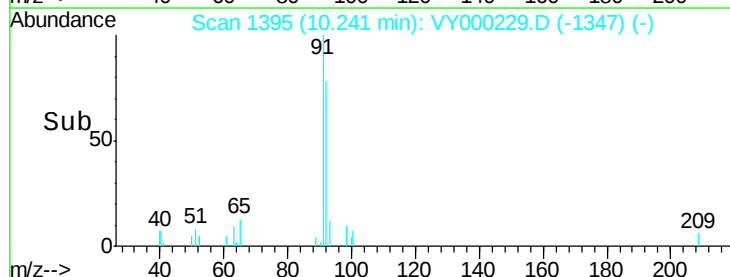
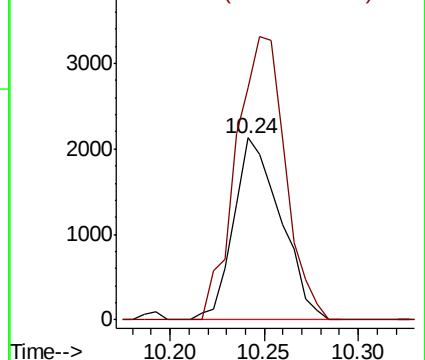
92 100

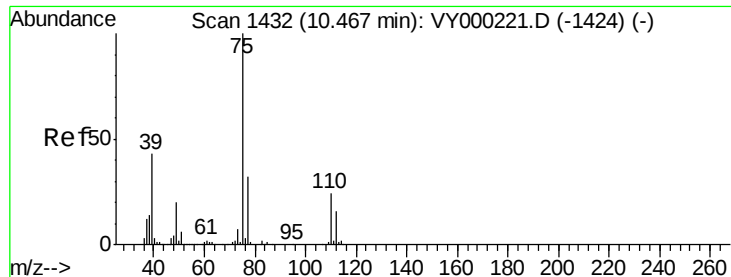
91 163.2 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





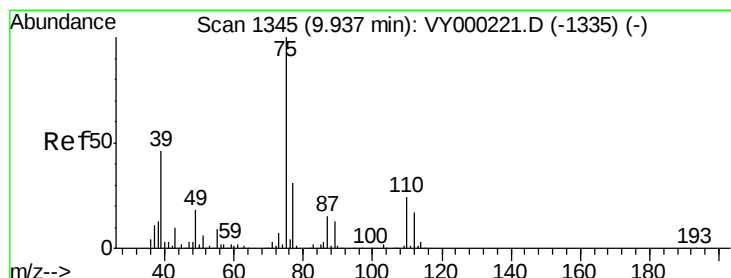
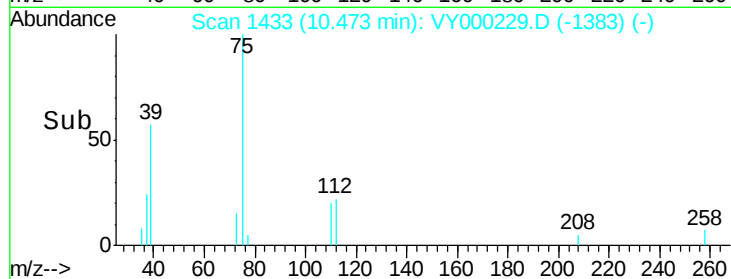
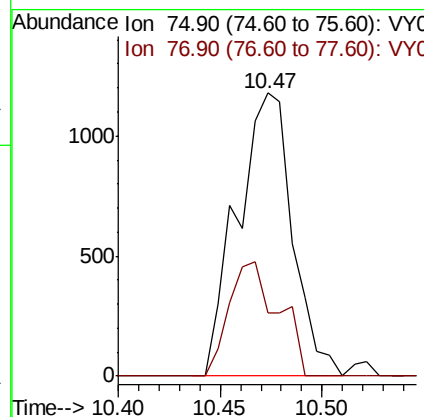
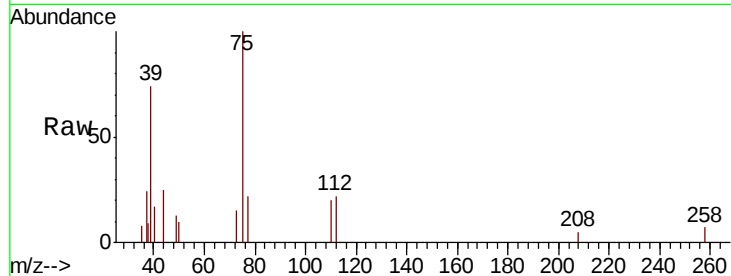
#53
 t-1,3-Dichloropropene
 Concen: 0.425 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion: 75 Resp: 2225
 Ion Ratio Lower Upper
 75 100
 77 22.5 25.3 37.9#

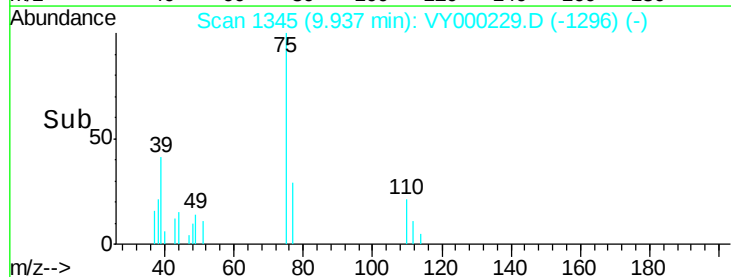
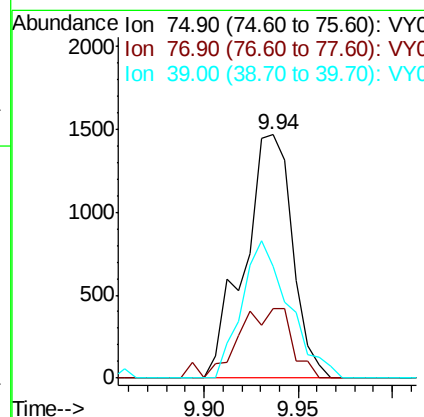
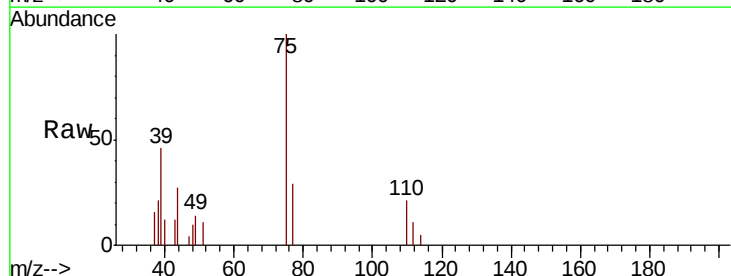
Manual Integrations
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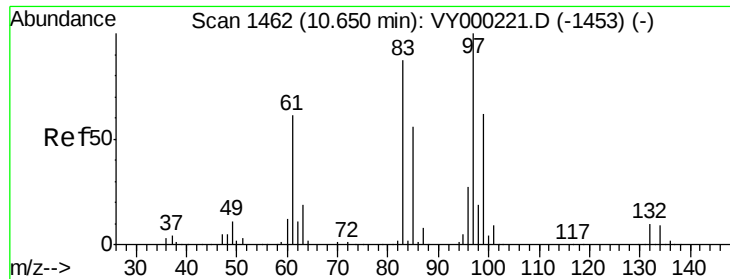
MMDadoda
 10/10/2019 12:52:26 AM



#54
 cis-1,3-Dichloropropene
 Concen: 0.459 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Tgt Ion: 75 Resp: 2599
 Ion Ratio Lower Upper
 75 100
 77 28.6 25.0 37.4
 39 45.9 36.3 54.5





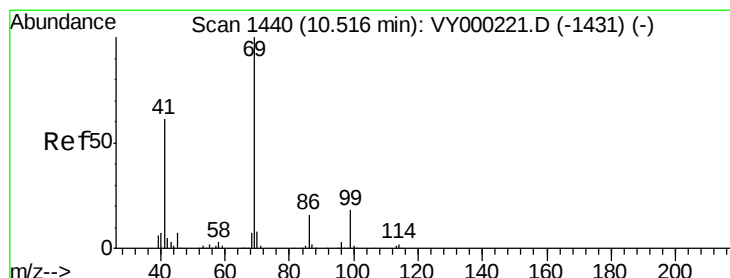
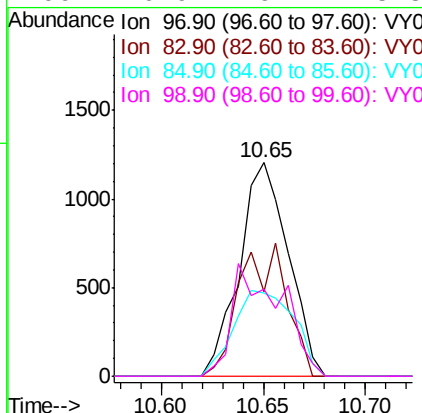
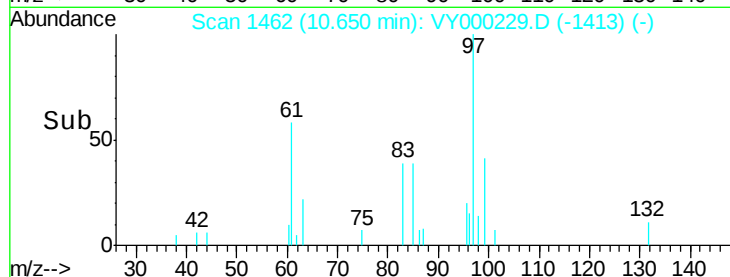
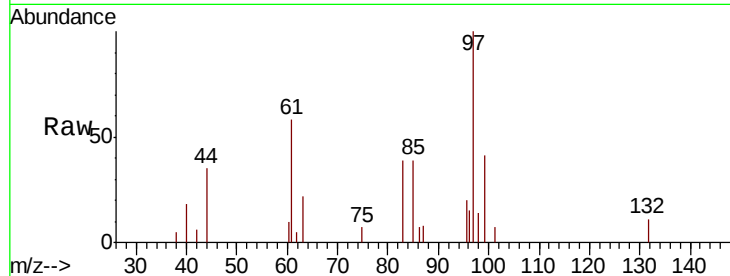
#55
 1,1,2-Trichloroethane
 Concen: 0.591 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion:	97	Resp:	2008
Ion	Ratio	Lower	Upper
97	100		
83	39.3	69.4	104.0#
85	38.9	44.6	66.8#
99	40.9	49.2	73.8#

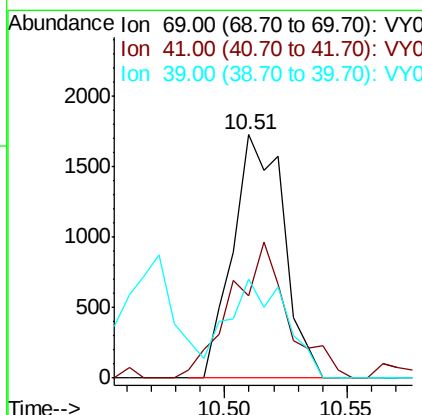
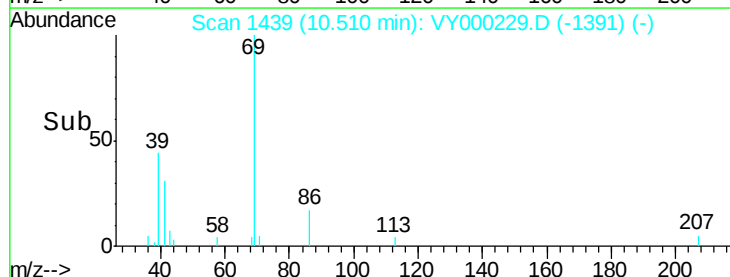
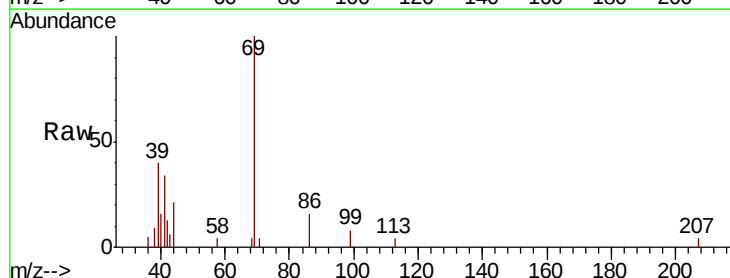
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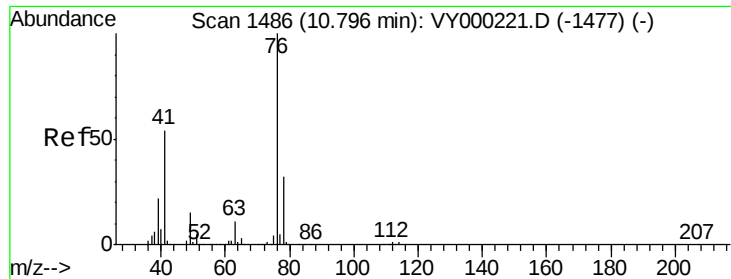
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#56
 Ethyl methacrylate
 Concen: 0.417 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Tgt Ion:	69	Resp:	2492
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.2	76.8
39	46.8	27.0	40.4#





#57

1,3-Dichloropropane

Concen: 0.472 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 76 Resp: 2738

Ion Ratio Lower Upper

76 100

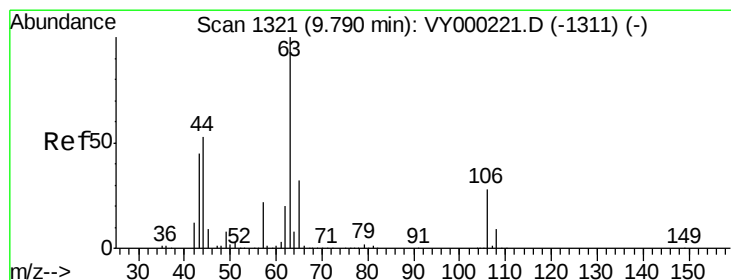
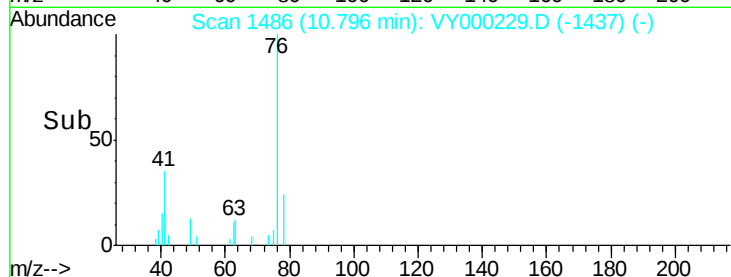
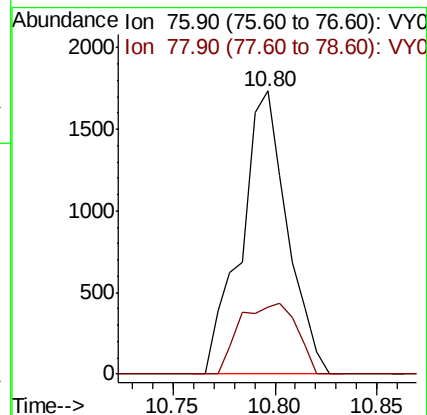
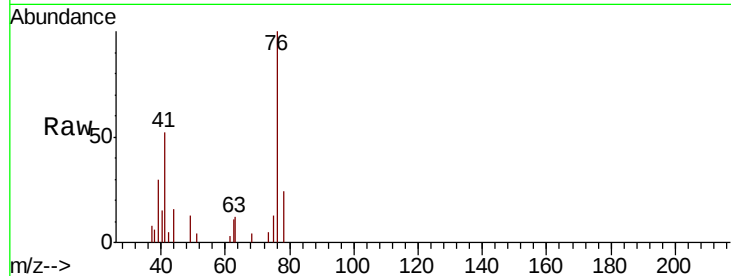
78 30.5 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 2.500 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000229.D

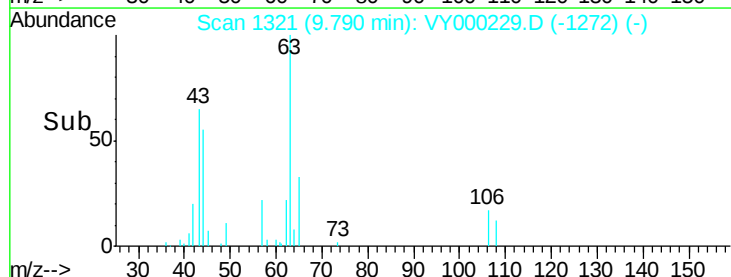
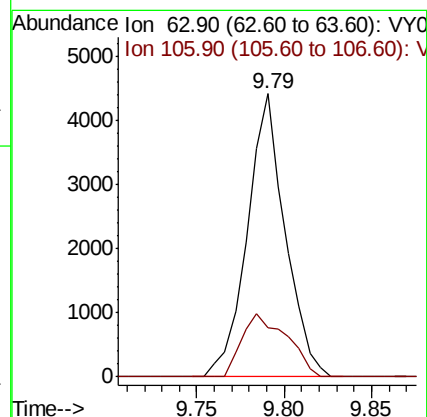
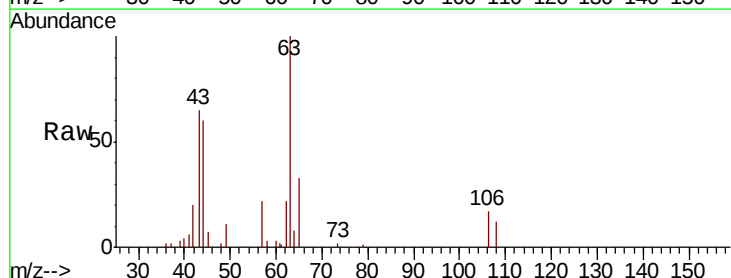
Acq: 08 Oct 2019 19:15

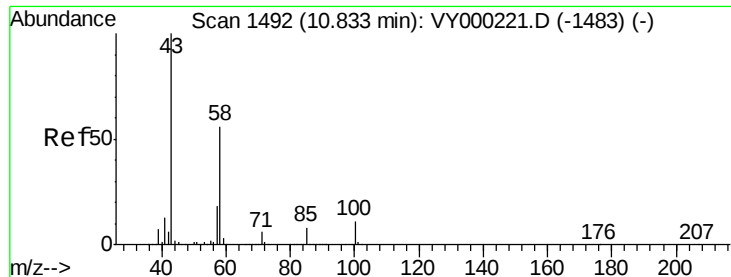
Tgt Ion: 63 Resp: 6661

Ion Ratio Lower Upper

63 100

106 26.5 22.6 33.8





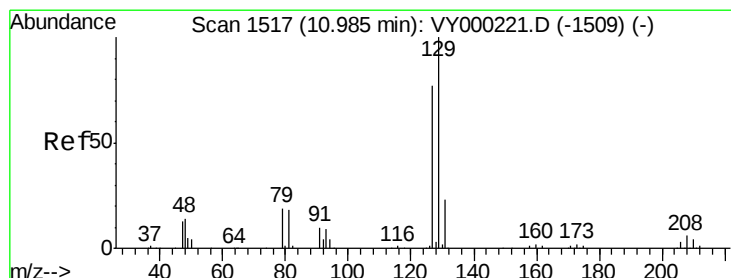
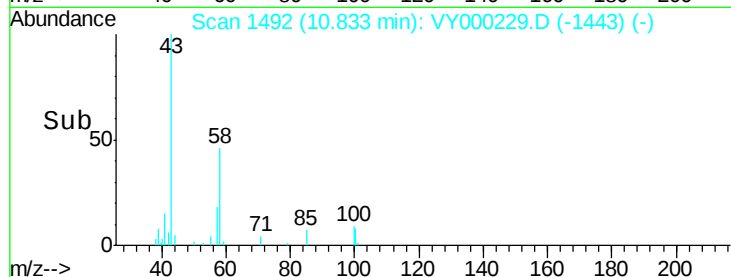
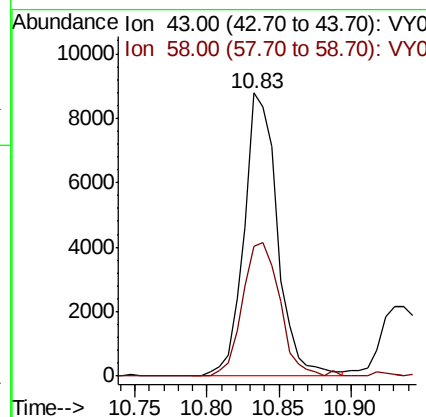
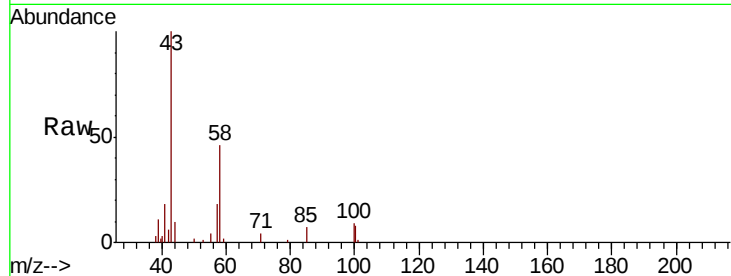
#59
2-Hexanone
Concen: 2.147 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion: 43 Resp: 14087
Ion Ratio Lower Upper
43 100
58 52.5 28.2 84.6

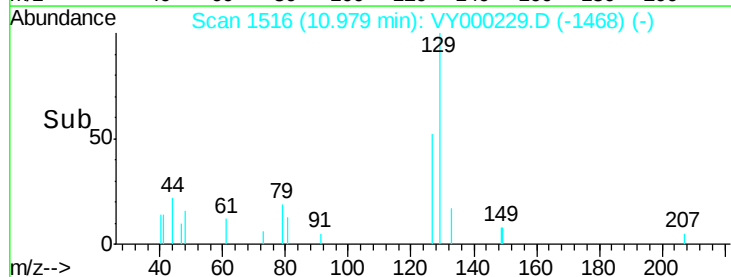
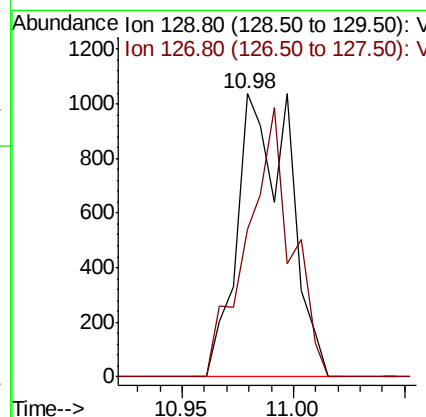
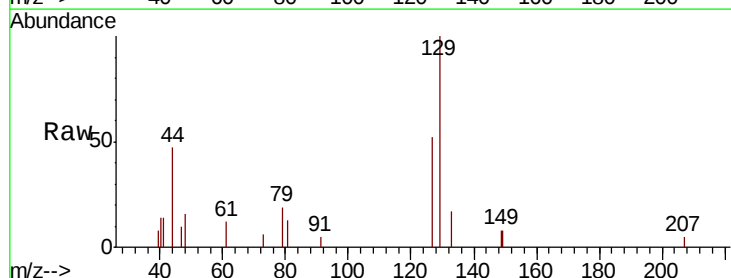
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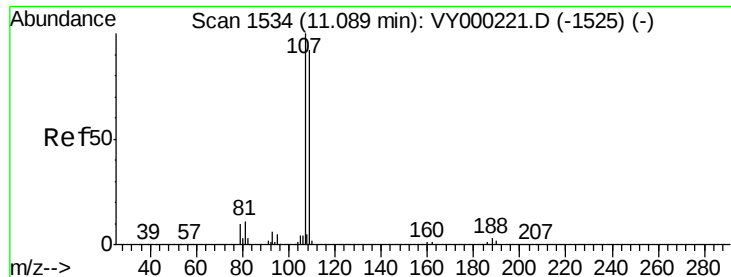
MMDadoda
10/10/2019 12:52:26 AM



#60
Dibromochloromethane
Concen: 0.474 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion: 129 Resp: 1701
Ion Ratio Lower Upper
129 100
127 80.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 0.477 ug/l

RT: 11.09 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 107 Resp: 1722

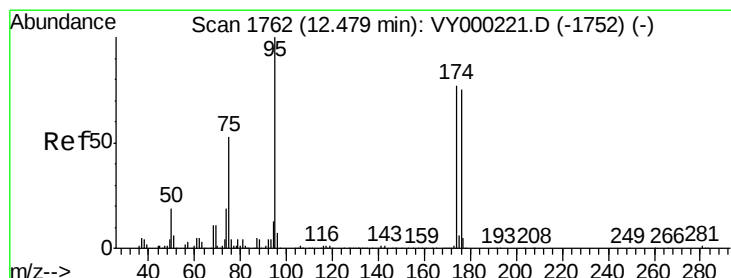
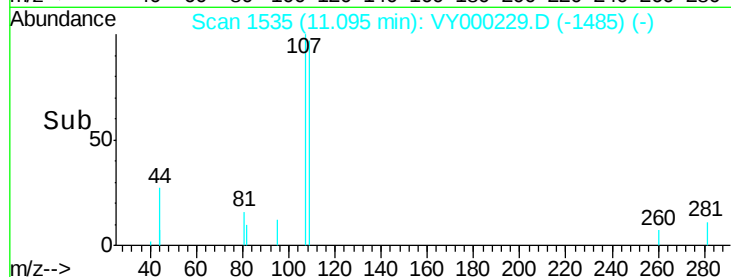
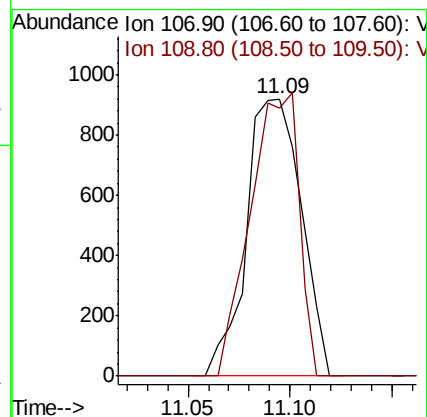
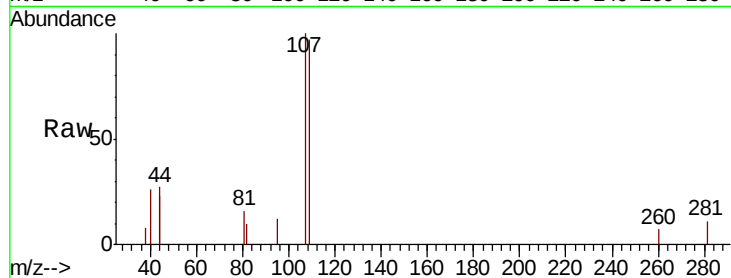
Ion Ratio Lower Upper

107 100

109 90.3 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 42.250 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

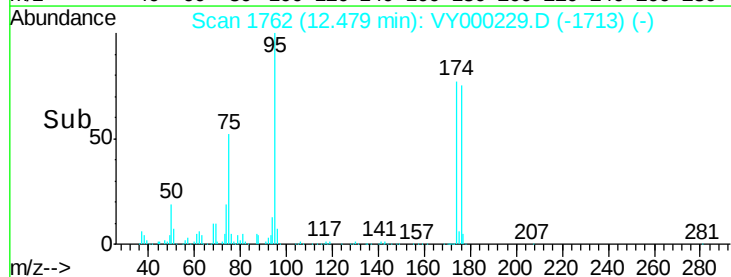
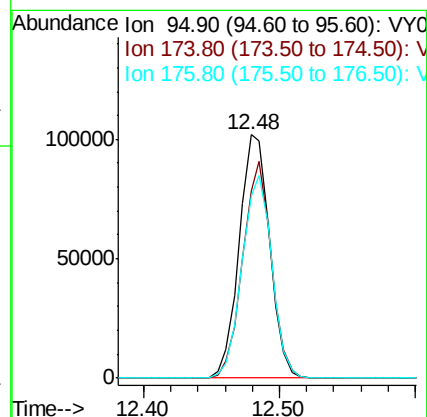
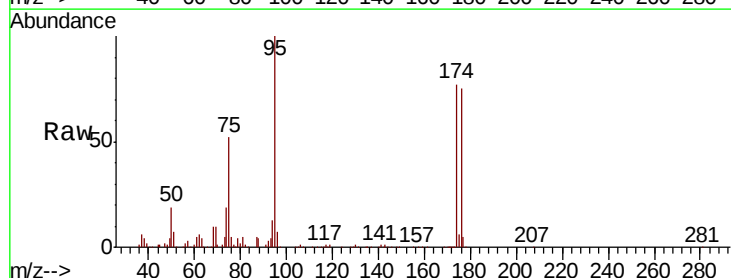
Tgt Ion: 95 Resp: 158754

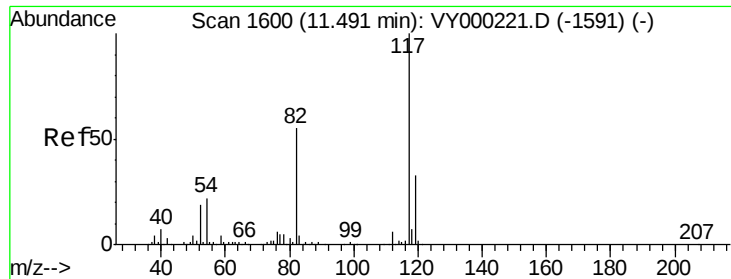
Ion Ratio Lower Upper

95 100

174 83.4 0.0 157.0

176 81.7 0.0 153.0





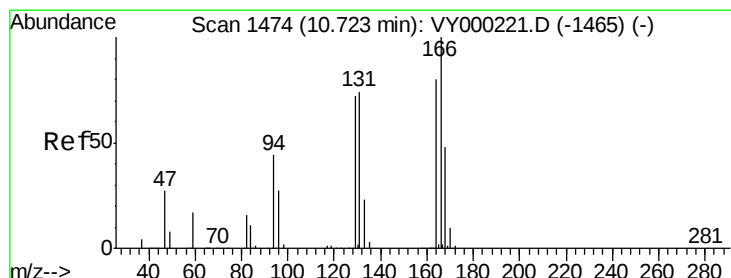
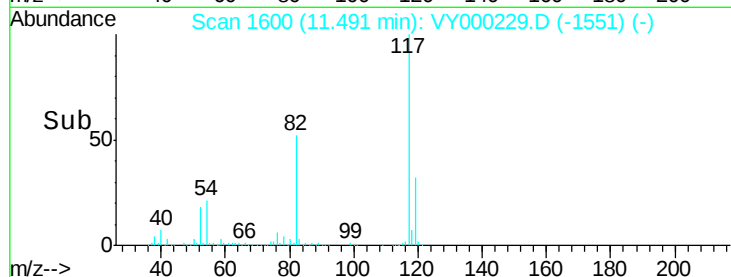
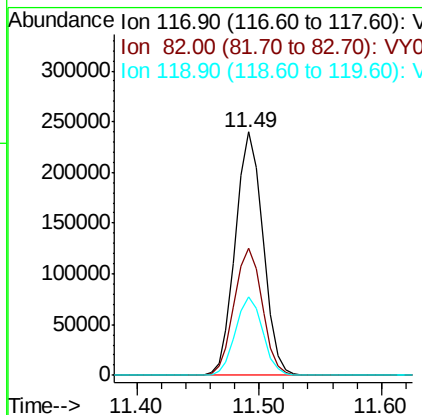
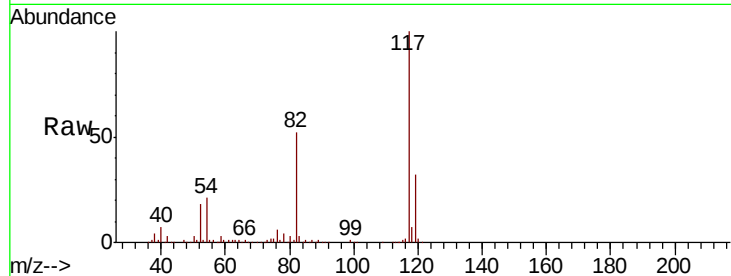
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	44.4	66.6
119	32.0	26.2	39.2

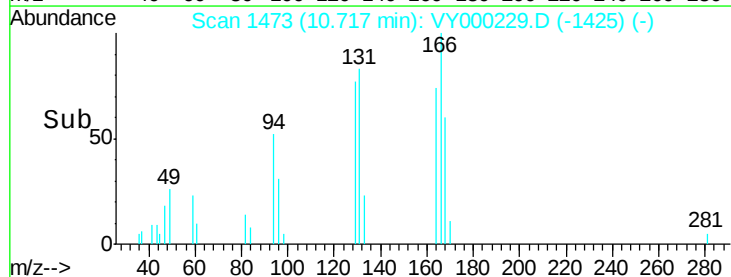
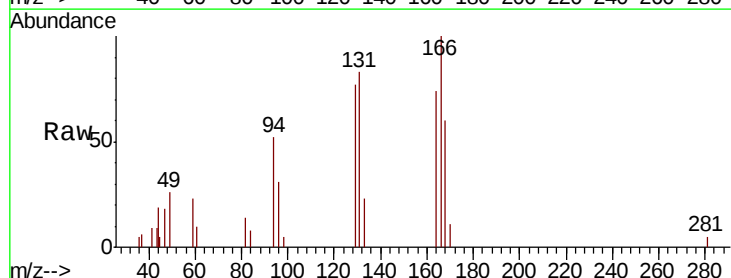
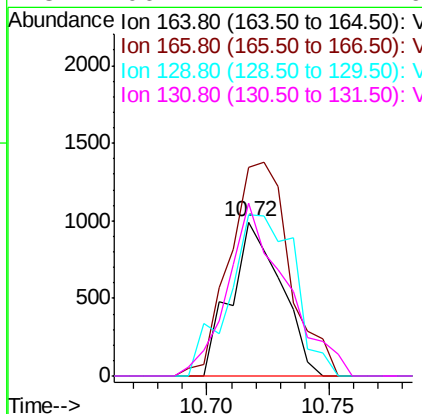
Manual Integrations
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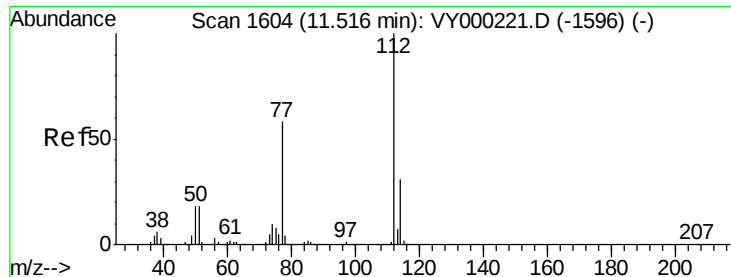
MMDadoda
10/10/2019 12:52:26 AM



#64
Tetrachloroethene
Concen: 0.416 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.0	100.3	150.5
129	105.1	72.4	108.6
131	106.7	74.4	111.6





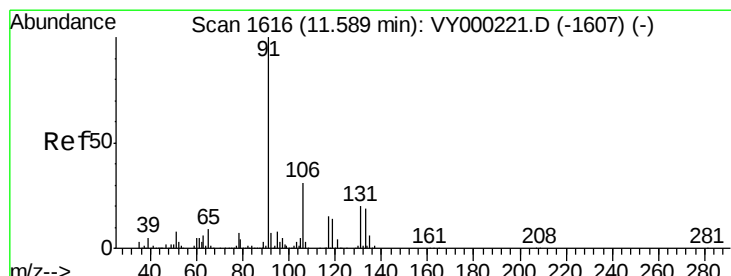
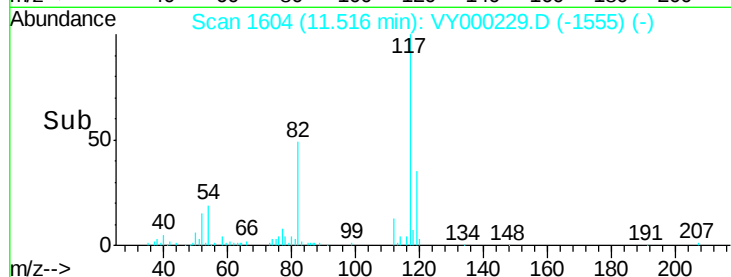
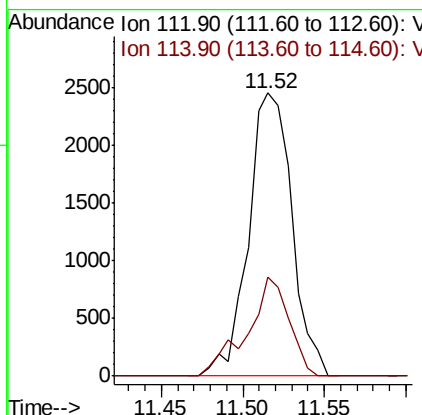
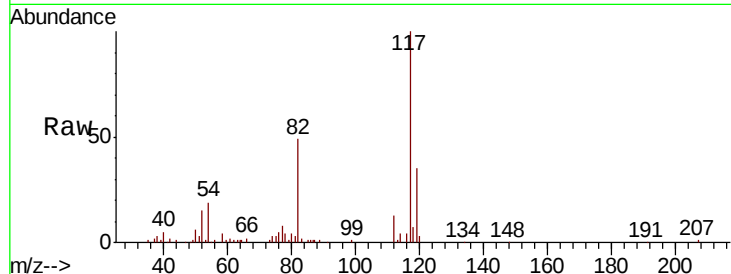
#65
Chlorobenzene
Concen: 0.525 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion:112 Resp: 4559
Ion Ratio Lower Upper
112 100
114 34.8 25.0 37.4

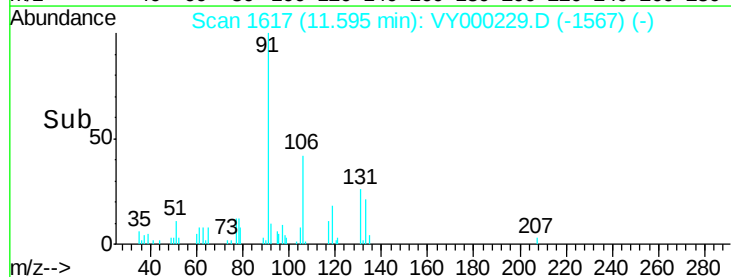
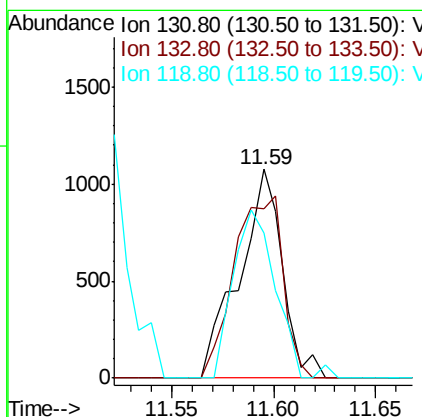
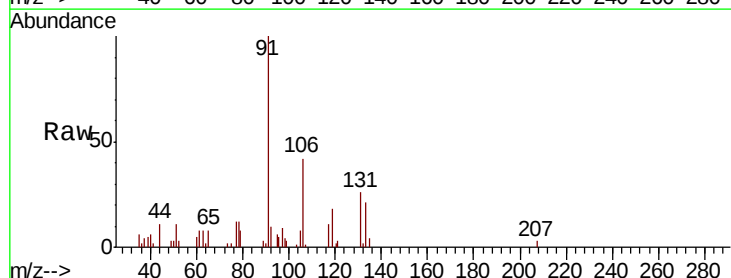
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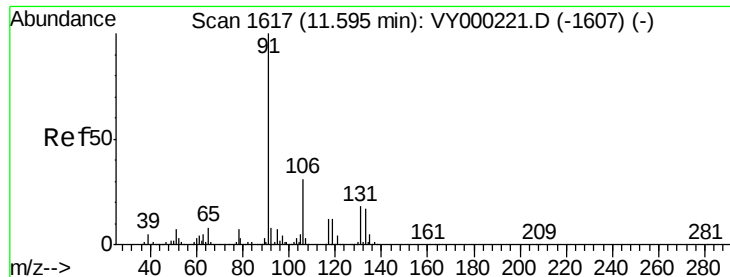
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.511 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion:131 Resp: 1588
Ion Ratio Lower Upper
131 100
133 98.3 47.0 141.2
119 0.0 33.3 99.8#





#67

Ethyl Benzene

Concen: 0.460 ug/l

RT: 11.59 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 7149

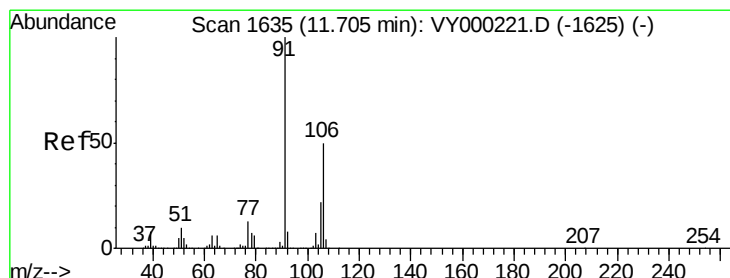
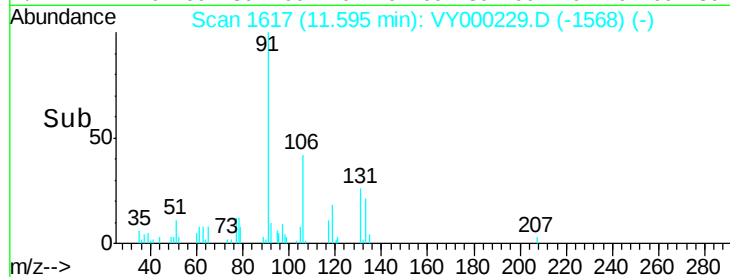
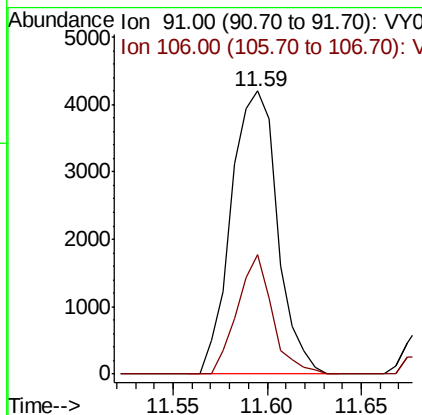
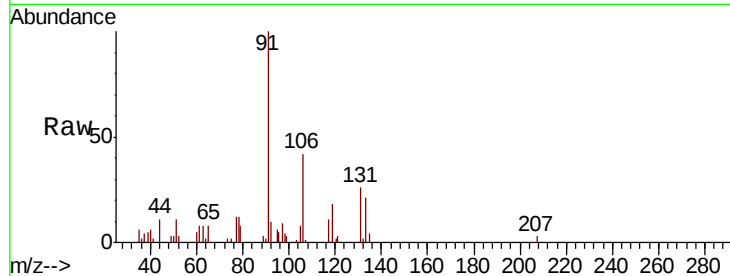
Ion Ratio Lower Upper

91 100

106 42.4 25.2 37.8#

Manual Integrations
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#68

m/p-Xylenes

Concen: 0.881 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000229.D

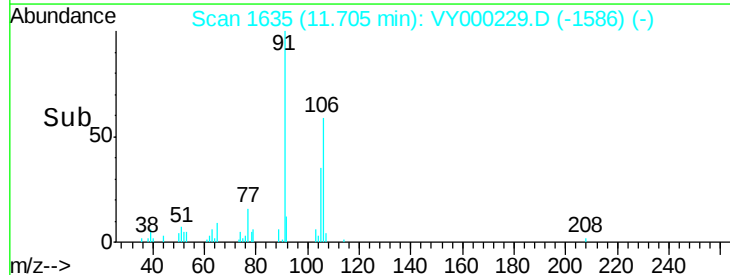
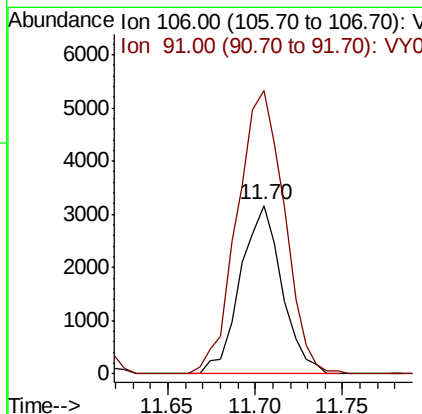
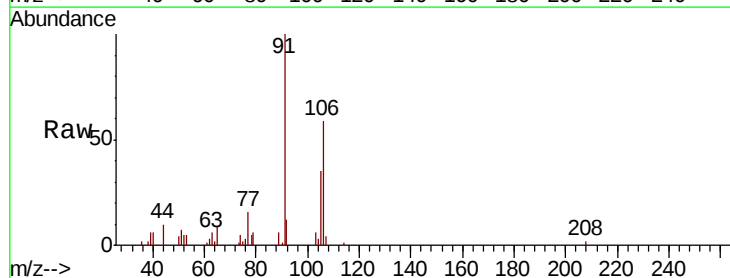
Acq: 08 Oct 2019 19:15

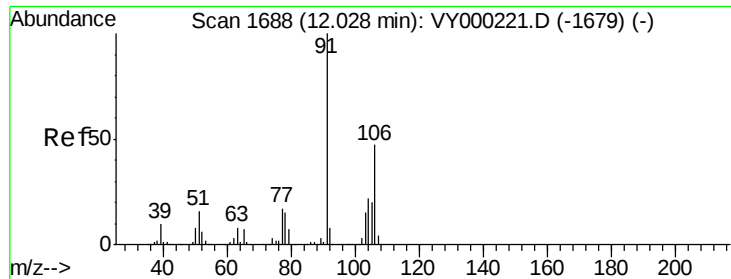
Tgt Ion: 106 Resp: 5219

Ion Ratio Lower Upper

106 100

91 191.8 159.9 239.9





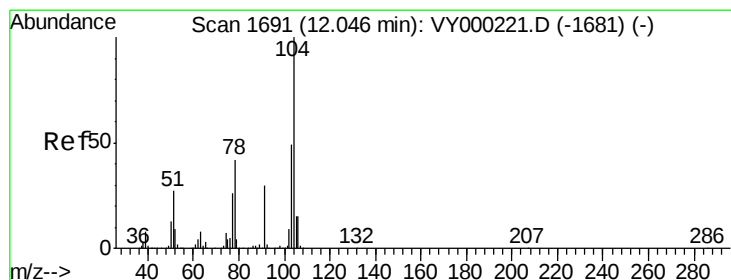
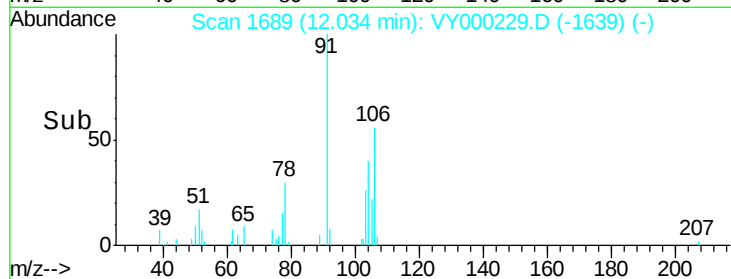
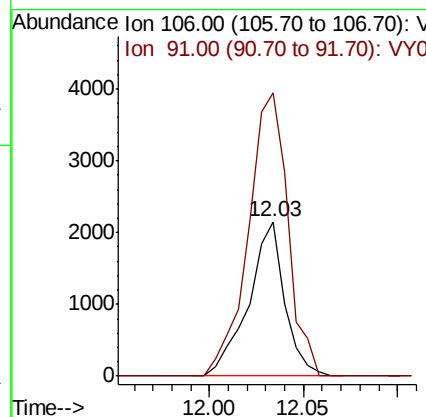
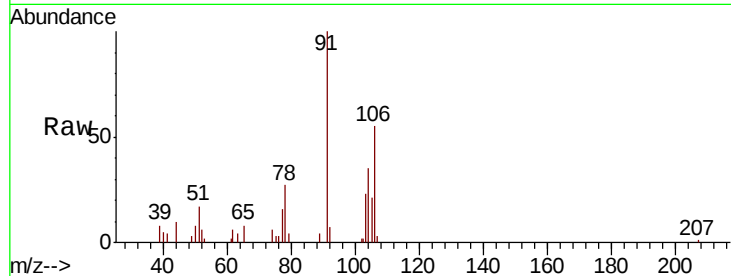
#69
o-Xylene
Concen: 0.501 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
106	100		
91	200.6	106.1	318.1

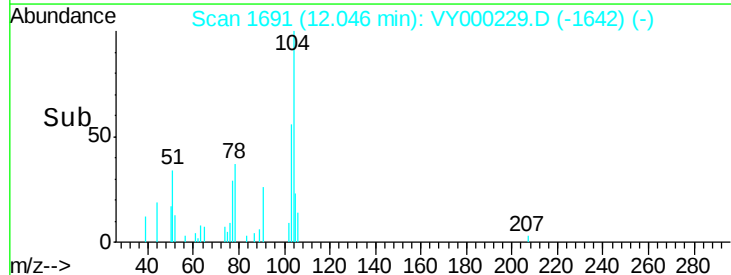
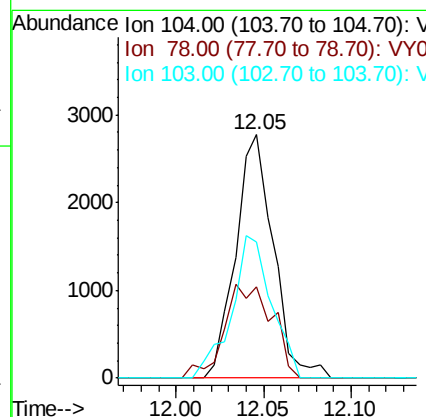
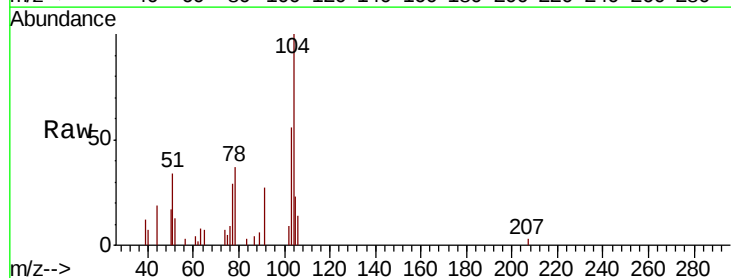
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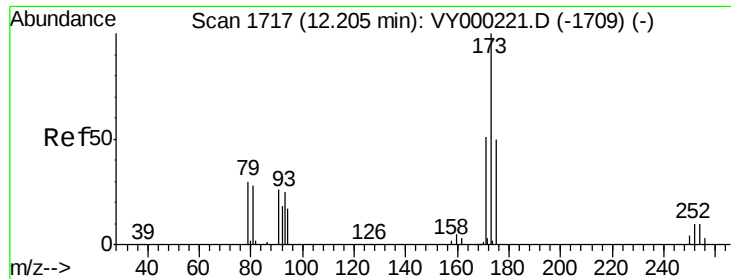
MMDadoda
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#70
Styrene
Concen: 0.424 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.0	58.4
103	61.7	43.1	64.7





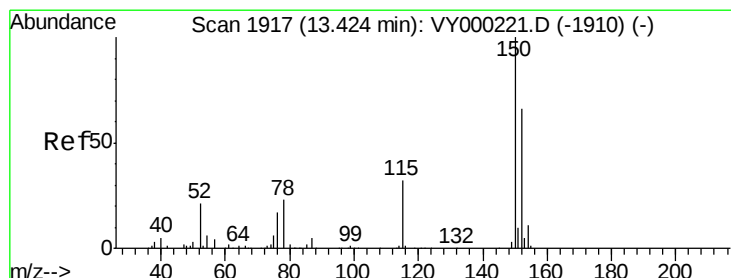
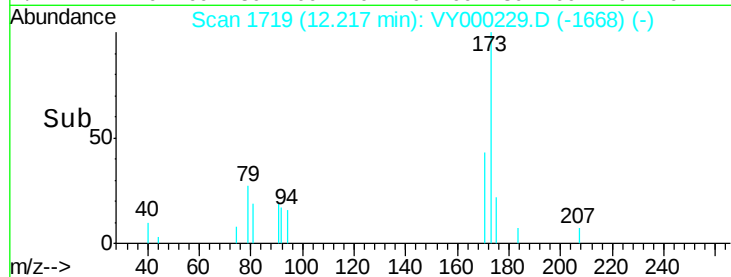
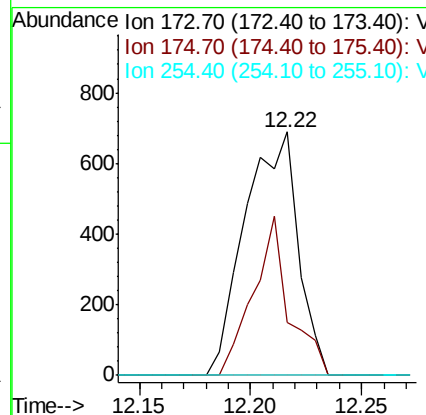
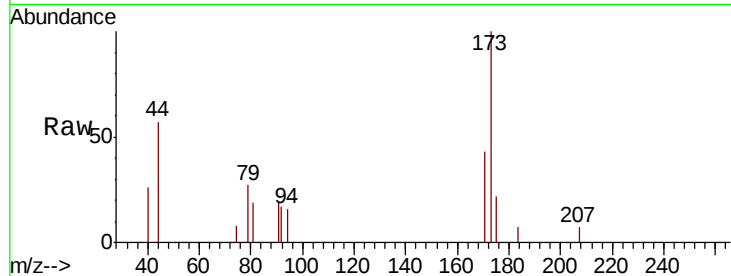
#71
Bromoform
Concen: 0.446 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.2	24.8	74.3
254	0.0	0.1	0.1#

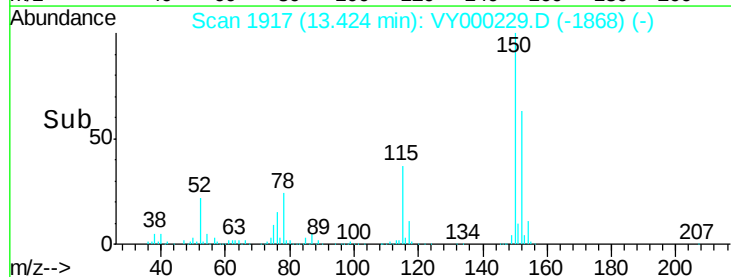
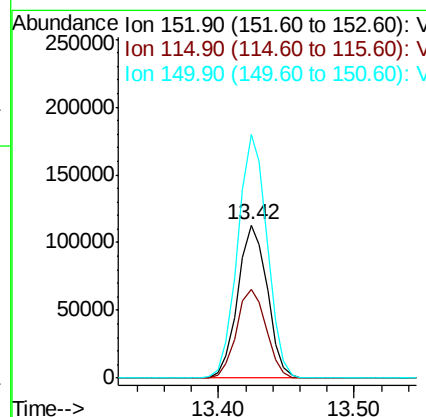
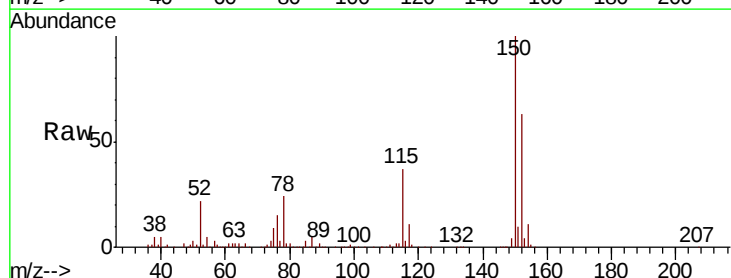
Manual Integrations
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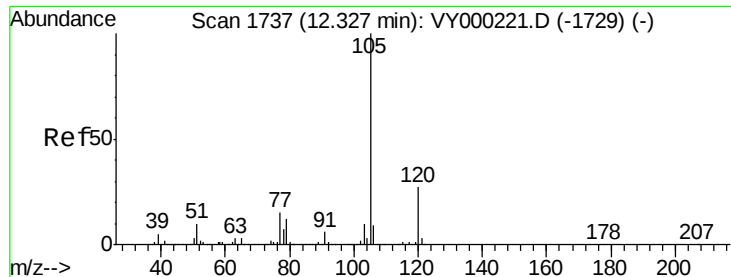
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	158.2	0.0	349.6





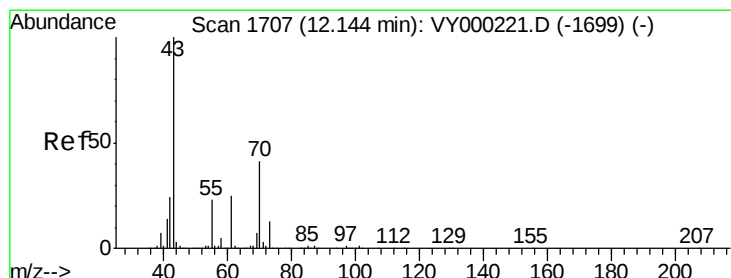
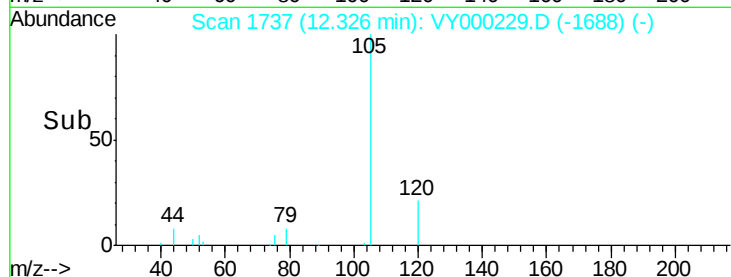
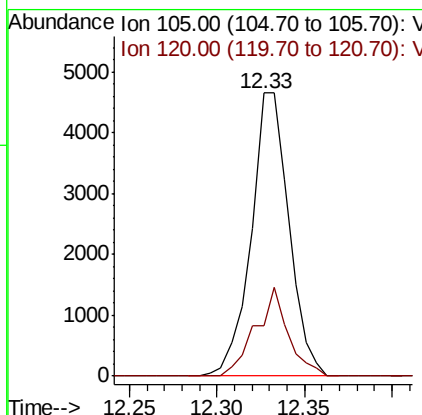
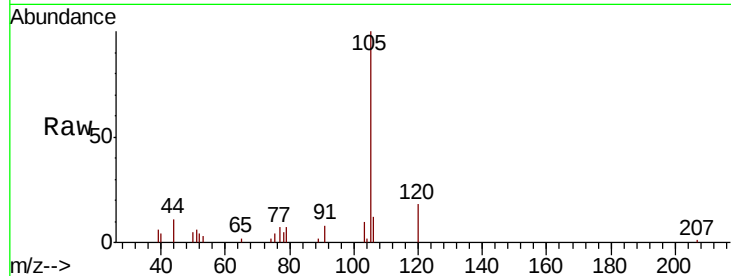
#73
Isopropylbenzene
Concen: 0.482 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.8

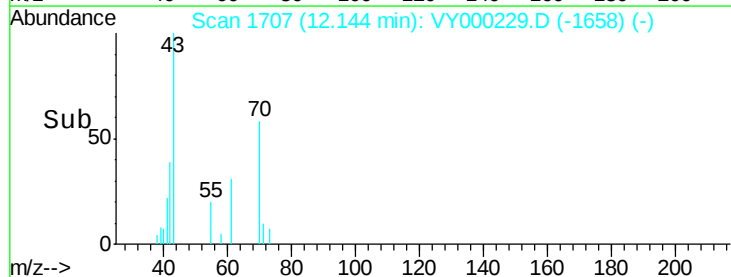
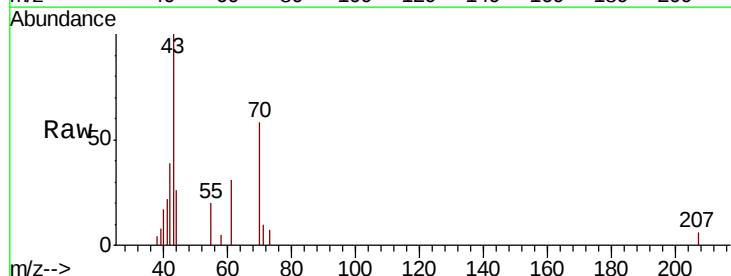
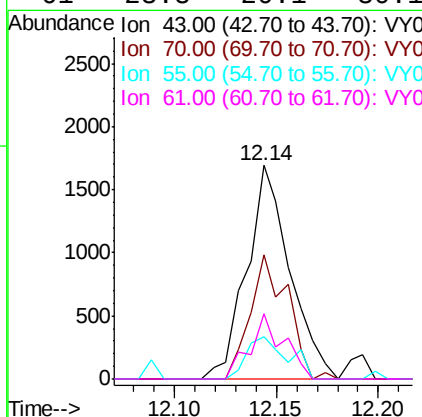
Manual Integrations
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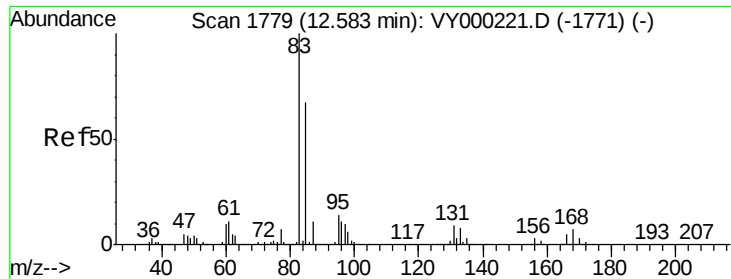
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#74
N-ethyl acetate
Concen: 0.362 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	50.2	34.9	52.3
55	19.0	18.2	27.2
61	23.8	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 0.525 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

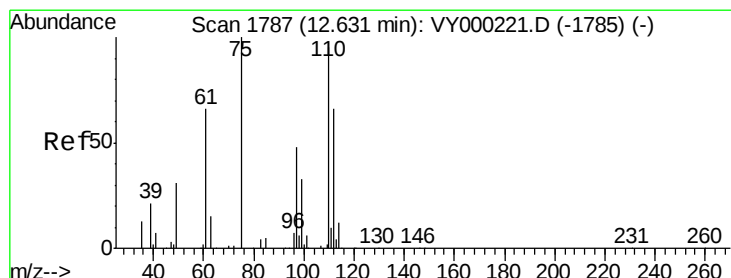
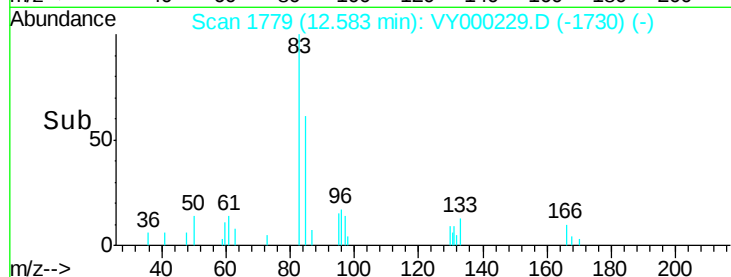
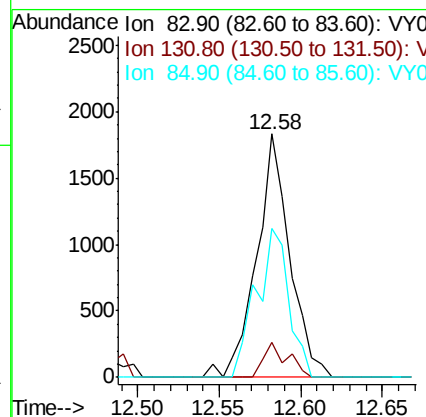
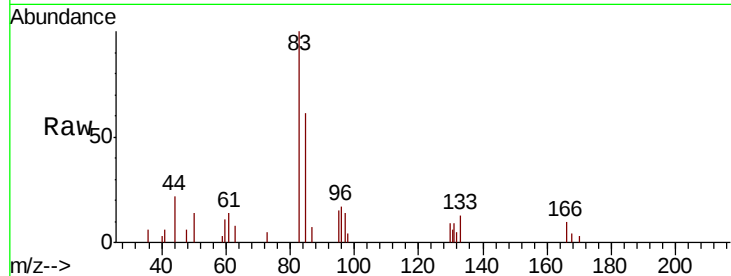
ClientSampleId :

0.5PPBMDL

Tot Ion:	83	Resp:	2599
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.8	14.3
85	59.6	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 0.536 ug/l m

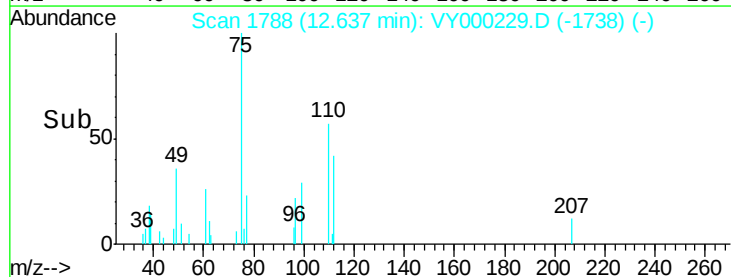
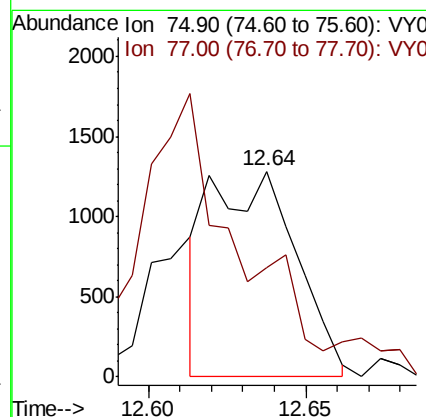
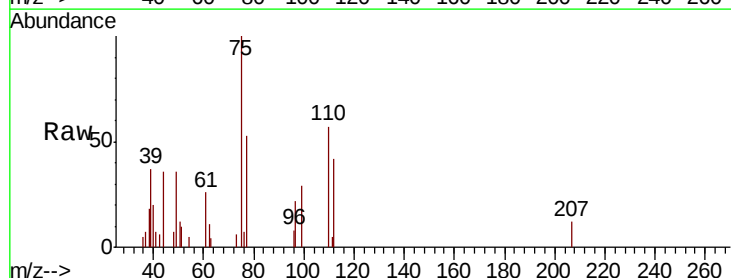
RT: 12.64 min Scan# 1788

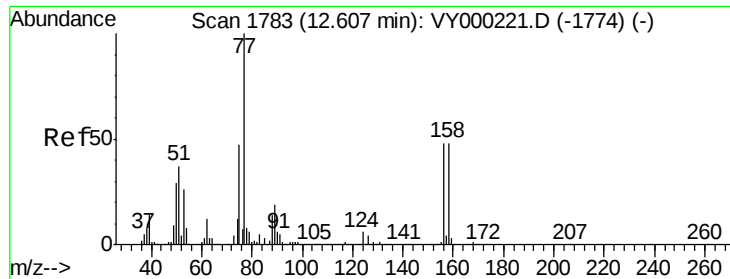
Delta R.T. 0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Tgt Ion:	75	Resp:	2422
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.567 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

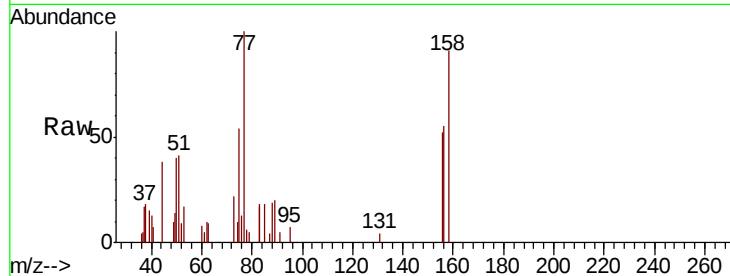
ClientSampleId :

0.5PPBMDL

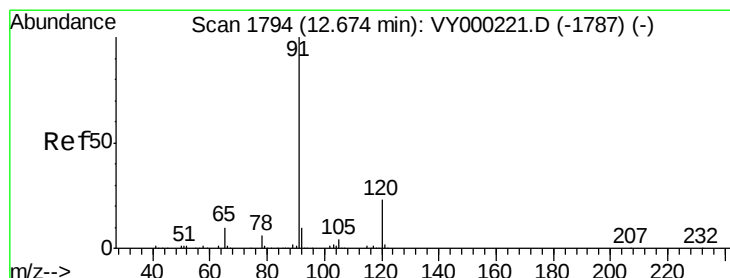
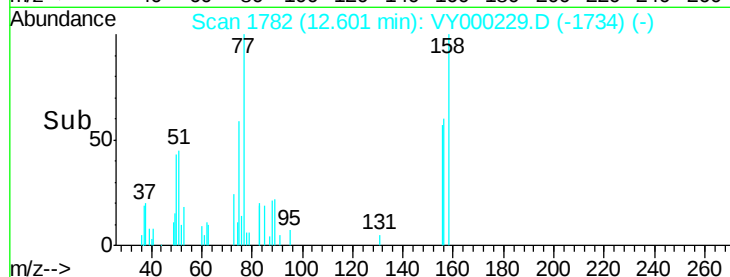
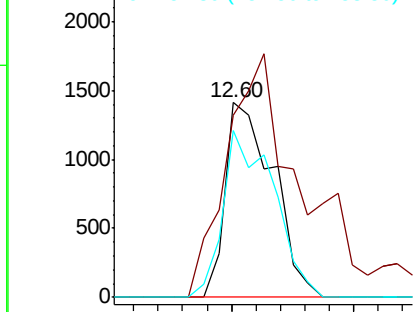
Tot Ion:	156	Resp:	1927
Ion	Ratio	Lower	Upper
156	100		
77	189.1	118.1	354.3
158	91.3	47.8	143.3

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



#78

n-propylbenzene

Concen: 0.398 ug/l

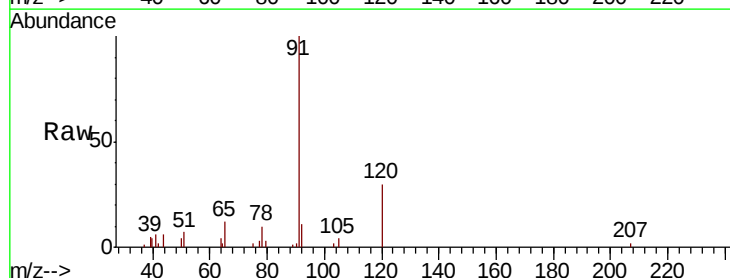
RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

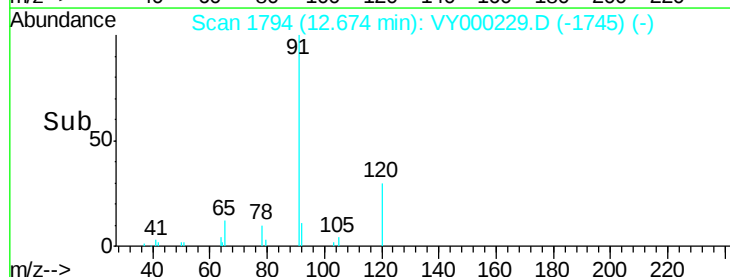
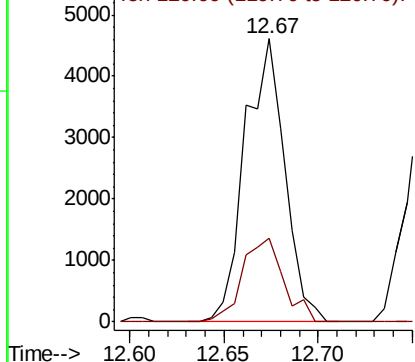
Lab File: VY000229.D

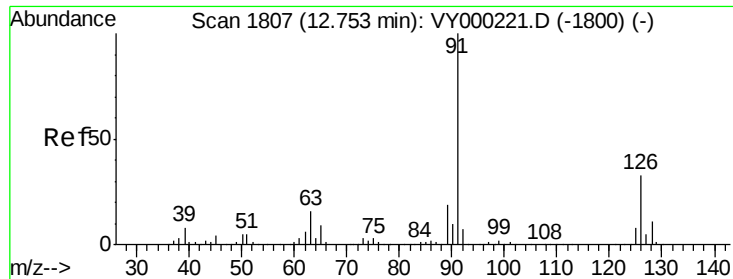
Acq: 08 Oct 2019 19:15

Tgt Ion:	91	Resp:	6741
Ion	Ratio	Lower	Upper
91	100		
120	30.7	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: 0.524 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

ClientSampleId :

0.5PPBMDL

Tot Ion: 91 Resp: 5113

Ion Ratio Lower Upper

91 100

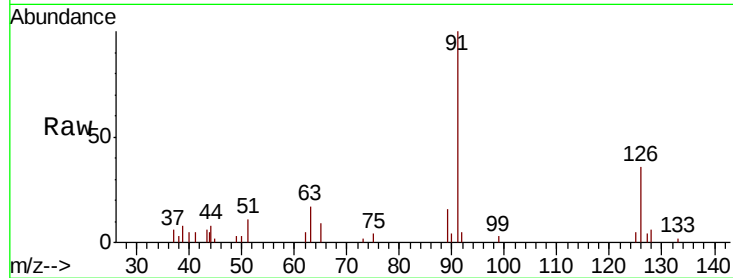
126 33.0 17.2 51.6

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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) (-)

12.75

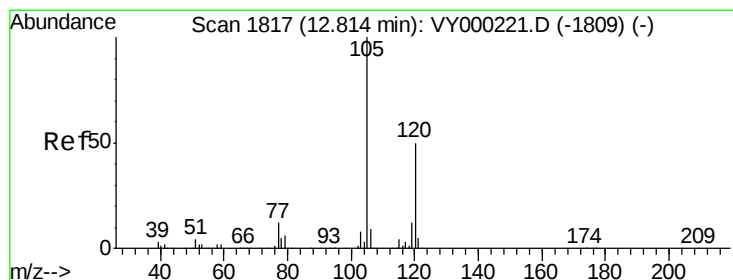
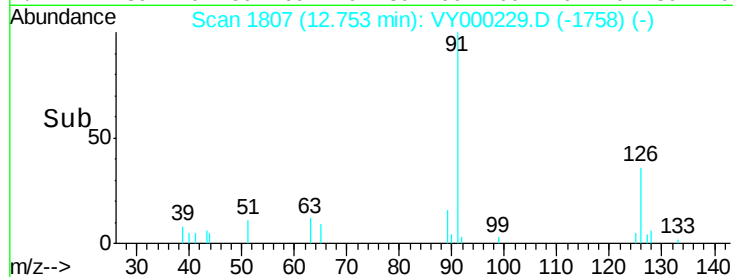
3000

2000

1000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.458 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY000229.D

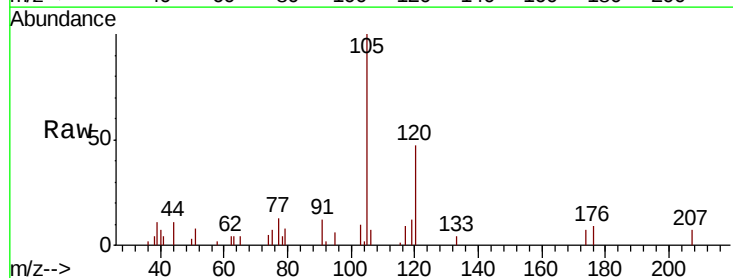
Acq: 08 Oct 2019 19:15

Tgt Ion: 105 Resp: 5543

Ion Ratio Lower Upper

105 100

120 52.0 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) (-)

12.81

4000

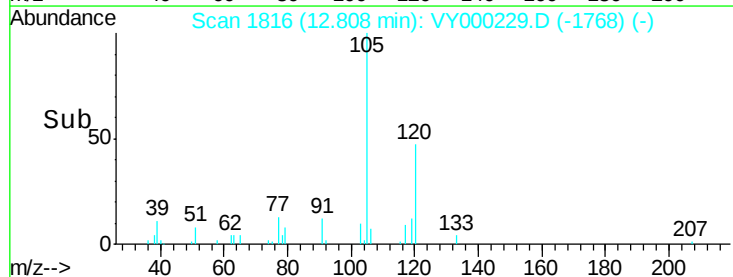
3000

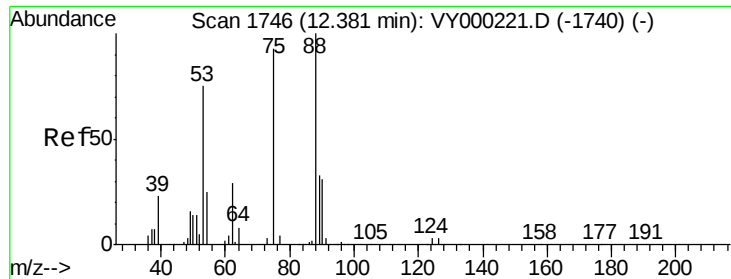
2000

1000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.440 ug/l m

RT: 12.38 min Scan# 1745

Delta R.T. -0.01 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

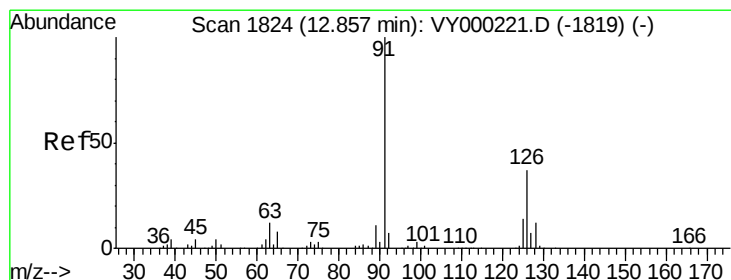
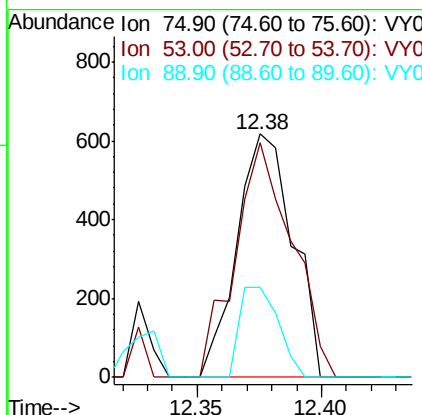
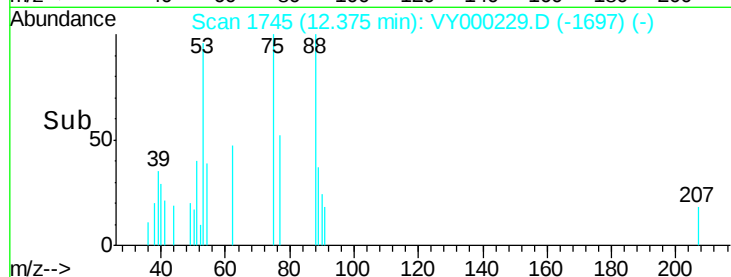
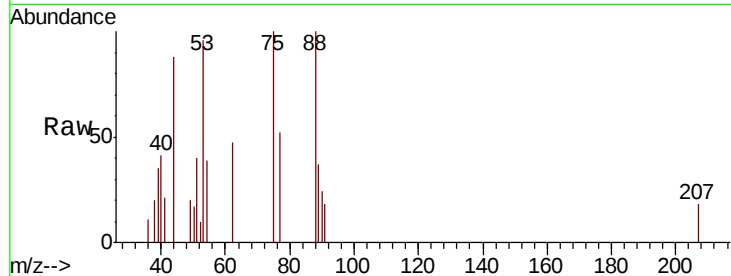
ClientSampleId :

0.5PPBMDL

Tot Ion:	75	Resp:	964
Ion Ratio	Lower	Upper	
75	100		
53	0.0	66.5	99.7#
89	3.3	46.9	70.3#

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#82

4-Chlorotoluene

Concen: 0.479 ug/l

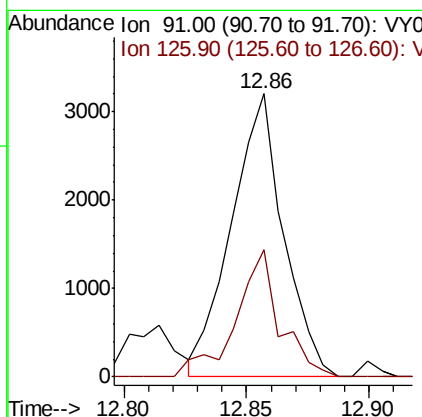
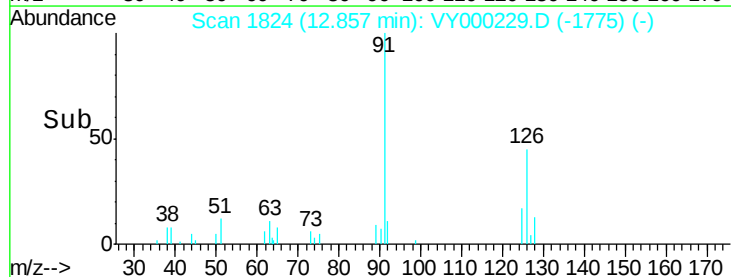
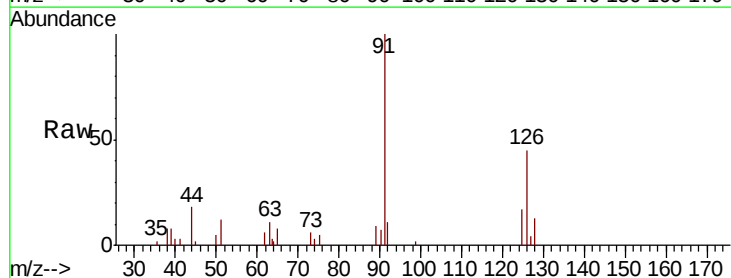
RT: 12.86 min Scan# 1824

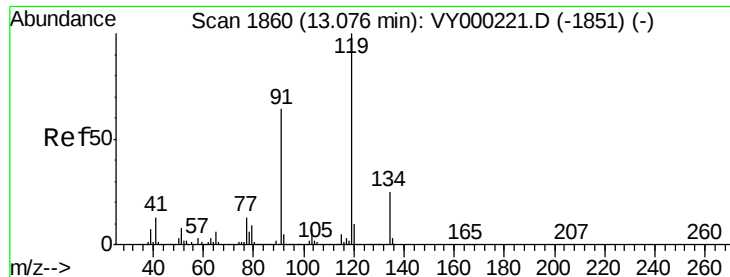
Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Tgt Ion:	91	Resp:	4731
Ion Ratio	Lower	Upper	
91	100		
126	38.0	17.3	52.0





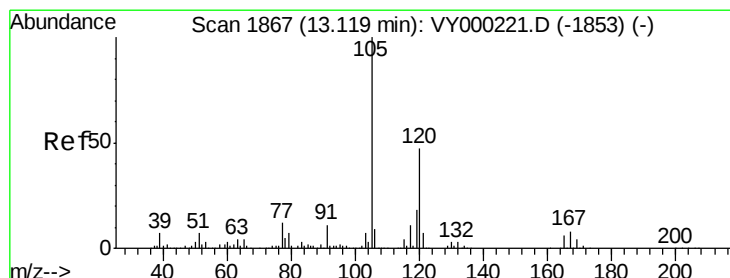
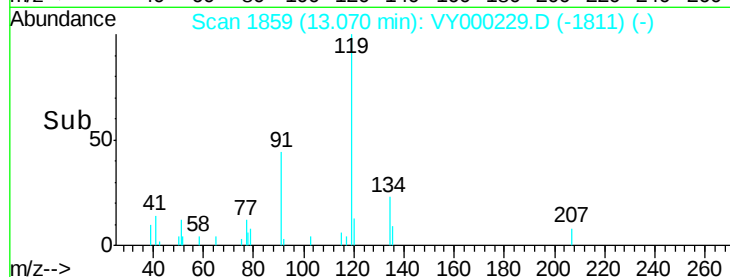
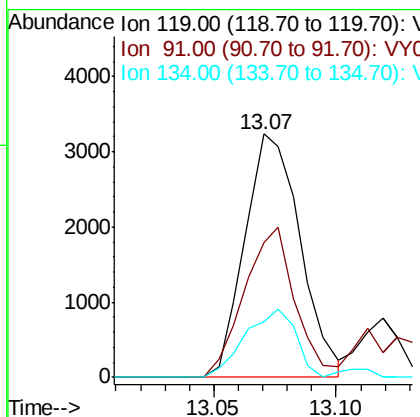
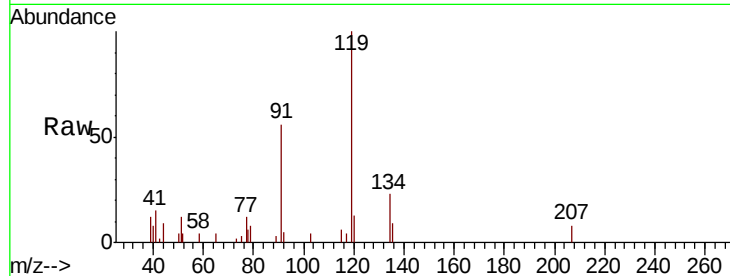
#83
tert-Butylbenzene
Concen: 0.488 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	32.4	97.2
134	25.7	13.2	39.6

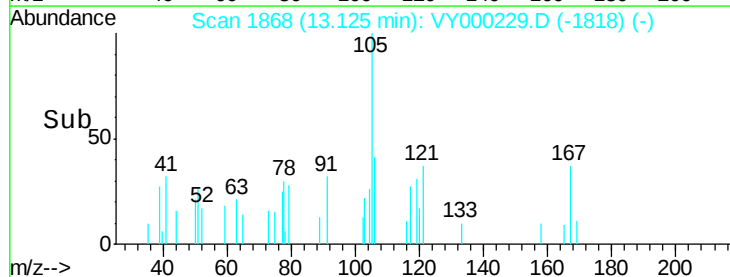
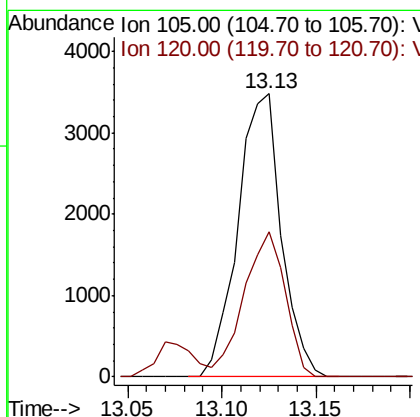
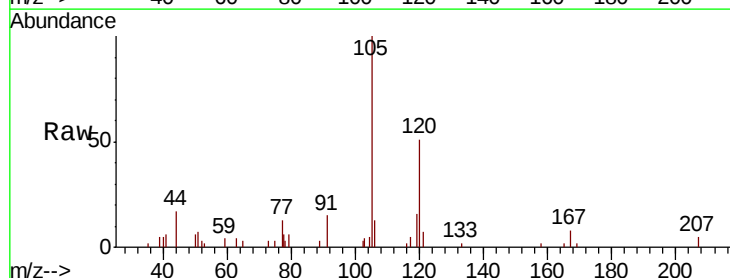
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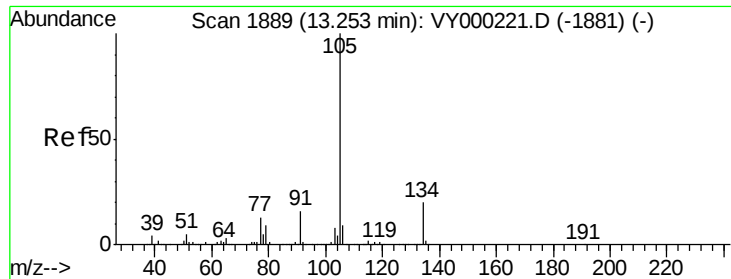
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#84
1,2,4-Trimethylbenzene
Concen: 0.460 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	22.8	68.3





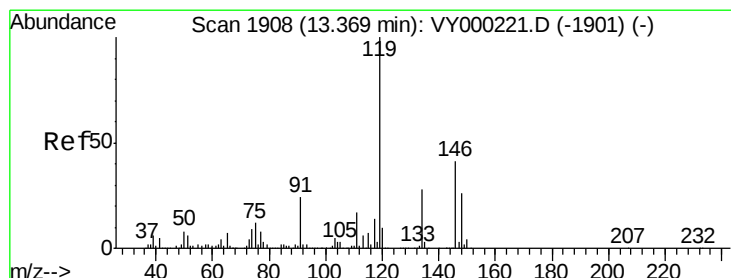
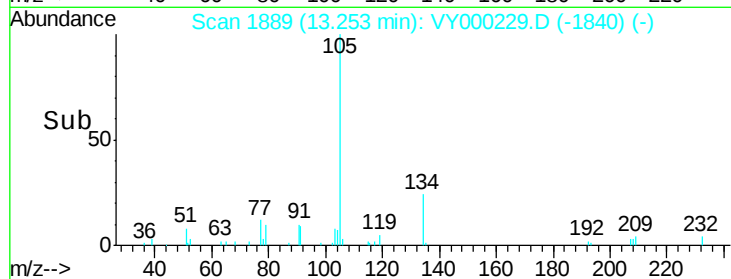
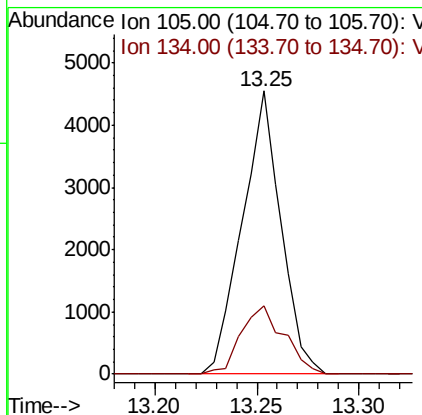
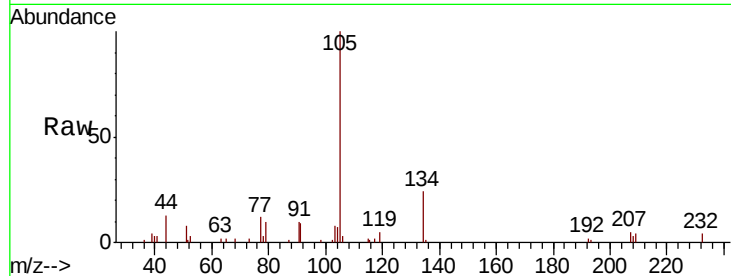
#85
 sec-Butylbenzene
 Concen: 0.415 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
105	100		
134	26.6	10.2	30.6

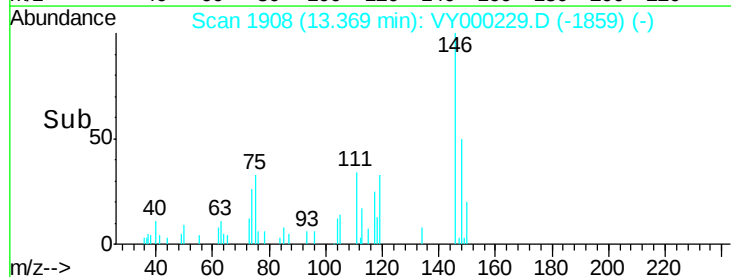
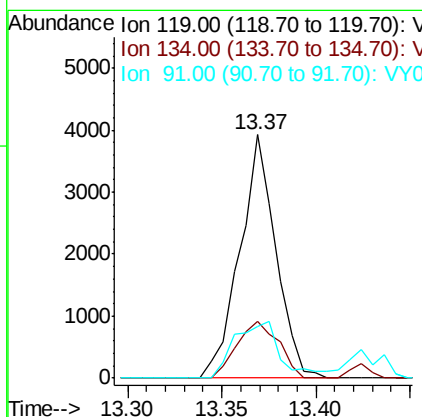
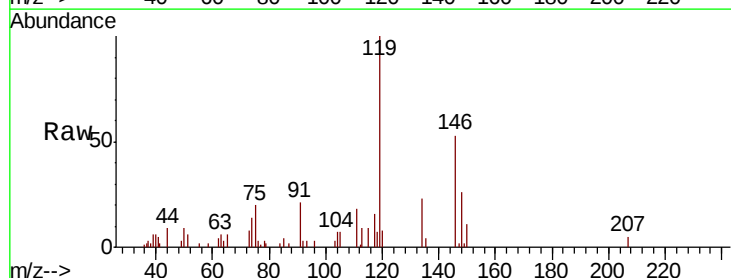
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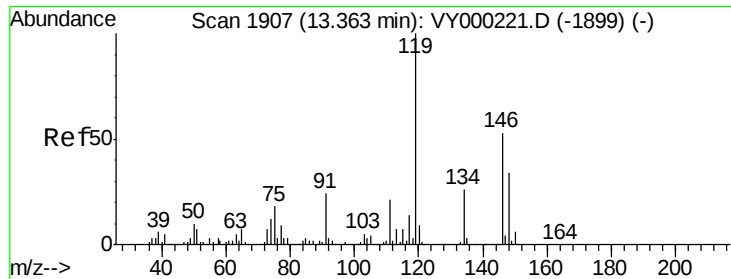
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#86
 p-Isopropyltoluene
 Concen: 0.409 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.9
91	29.6	11.7	35.1





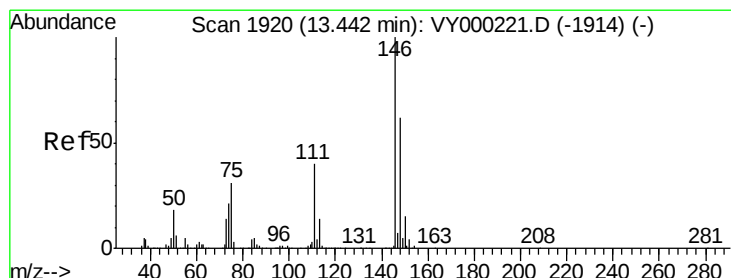
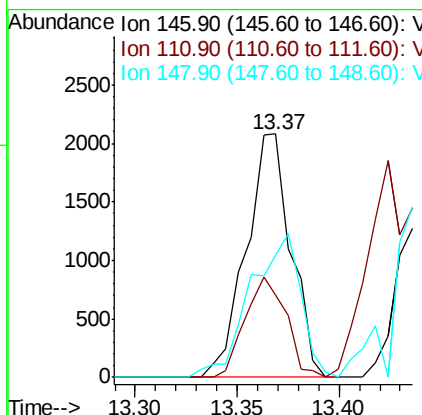
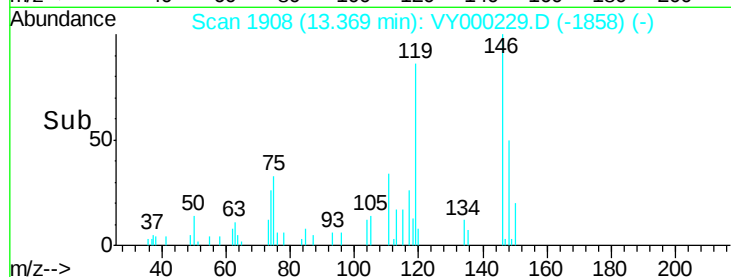
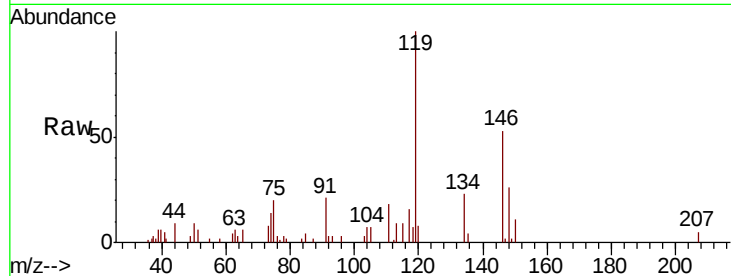
#87
 1,3-Dichlorobenzene
 Concen: 0.517 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.3	60.8
148	66.1	31.7	95.1

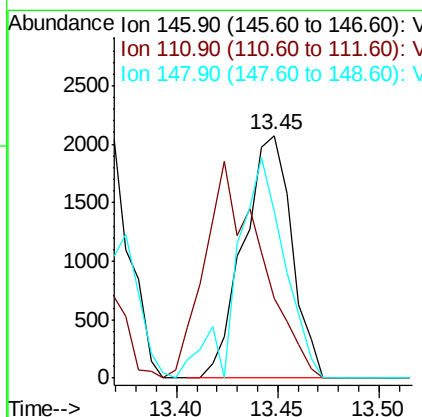
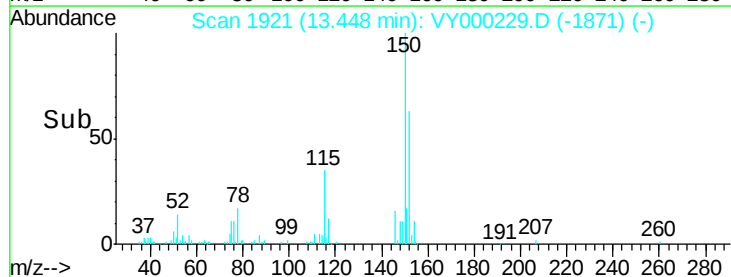
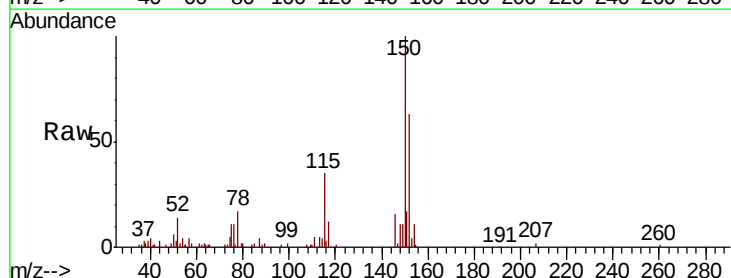
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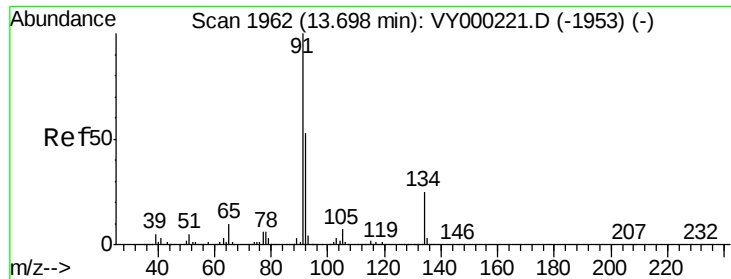
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#88
 1,4-Dichlorobenzene
 Concen: 0.535 ug/l m
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	19.8	59.3
148	61.3	31.6	94.8





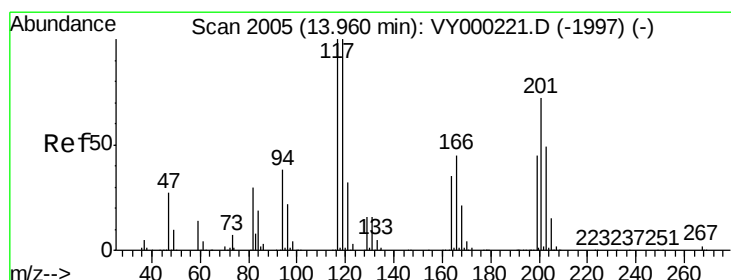
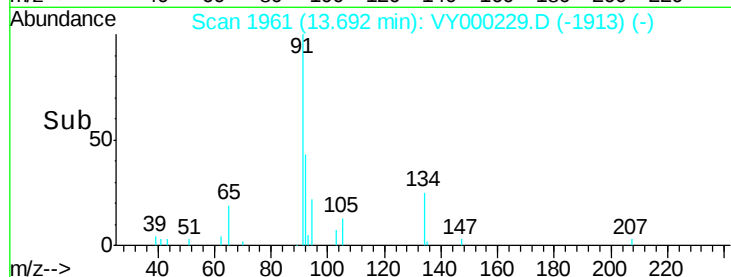
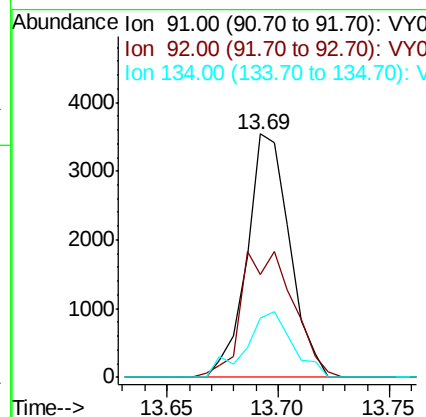
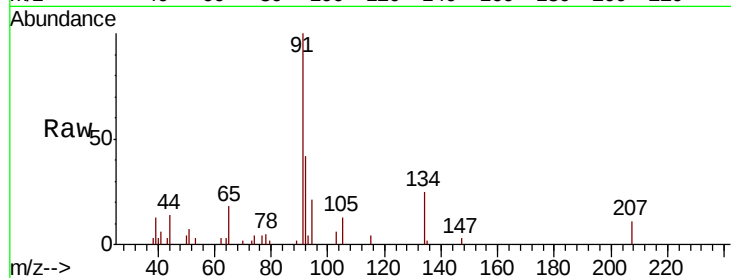
#89
n-Butylbenzene
Concen: 0.395 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.0	27.0	80.8
134	29.8	12.8	38.4

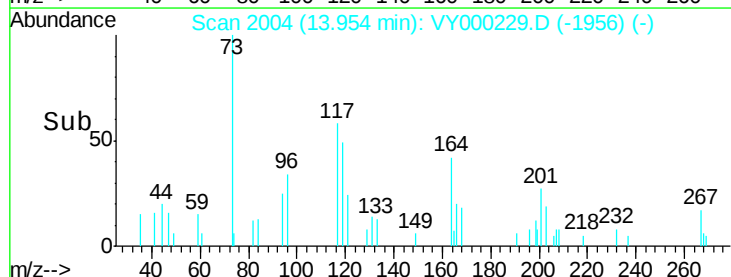
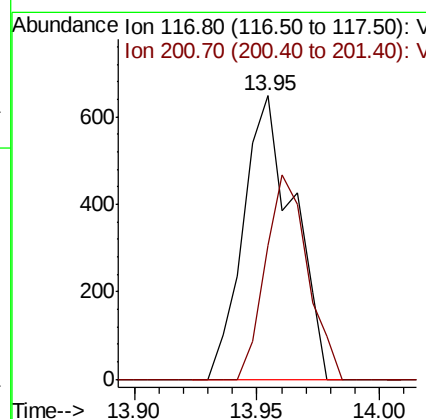
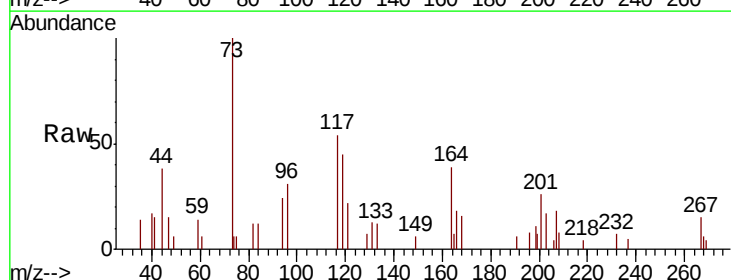
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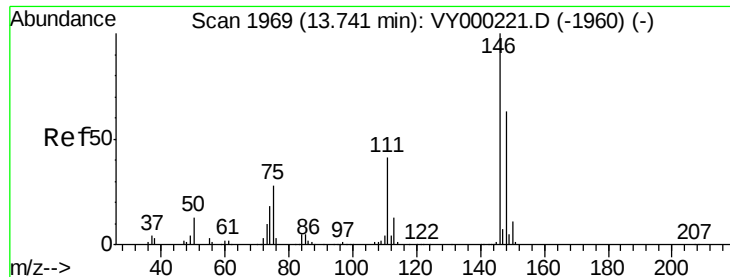
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#90
Hexachloroethane
Concen: 0.385 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.4	35.5	106.5





#91

1,2-Dichlorobenzene

Concen: 0.539 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Instrument :

MSVOA_Y

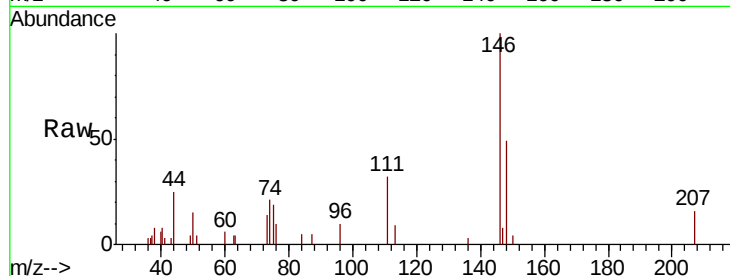
ClientSampleId :

0.5PPBMDL

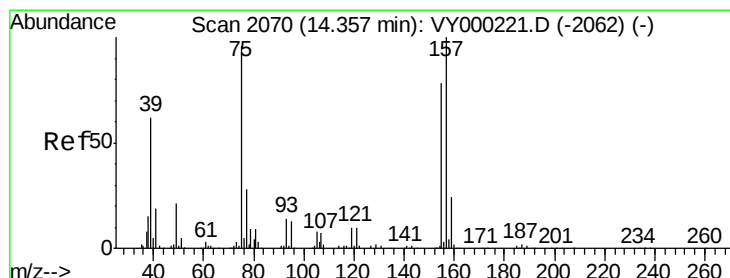
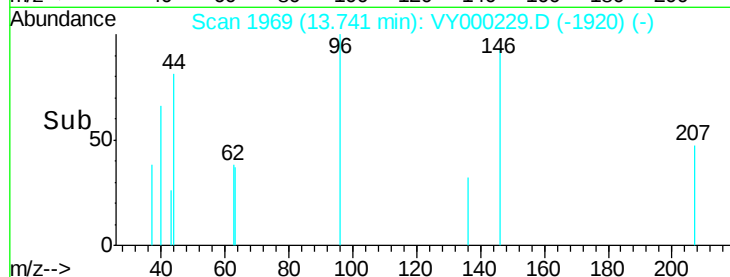
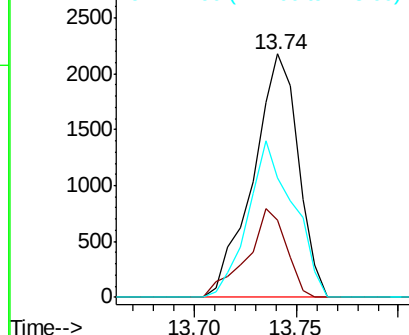
Tot Ion:	146	Resp:	3360
Ion Ratio	Lower	Upper	
146	100		
111	31.8	20.9	62.8
148	64.4	31.6	95.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.559 ug/l

RT: 14.36 min Scan# 2071

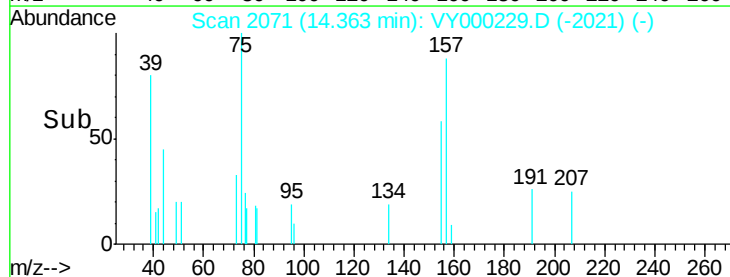
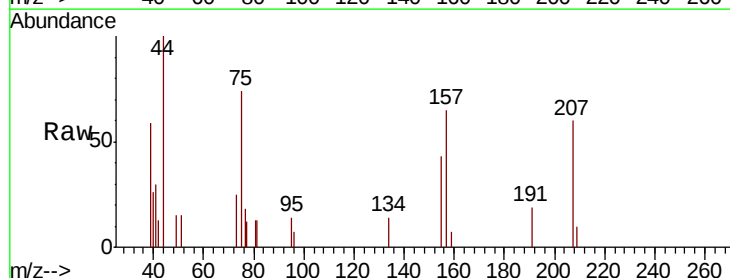
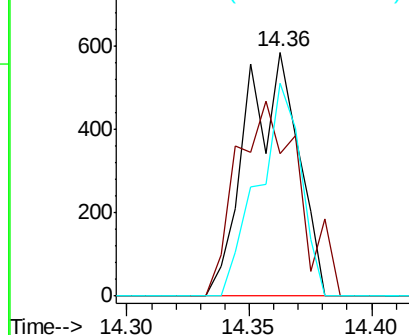
Delta R.T. 0.01 min

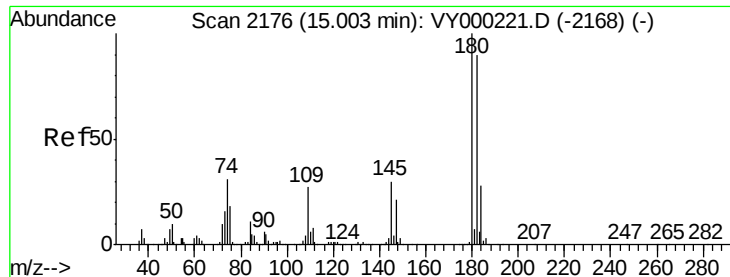
Lab File: VY000229.D

Acq: 08 Oct 2019 19:15

Tgt Ion:	75	Resp:	863
Ion Ratio	Lower	Upper	
75	100		
155	95.2	42.4	127.3
157	71.6	53.8	161.5

Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





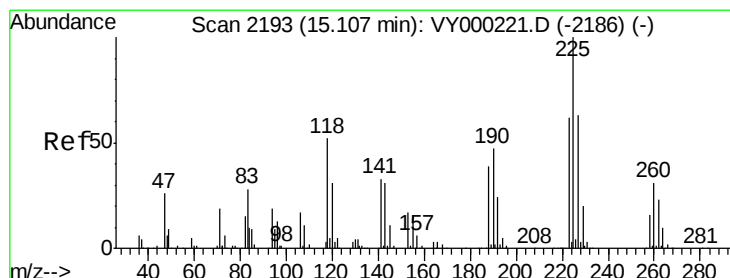
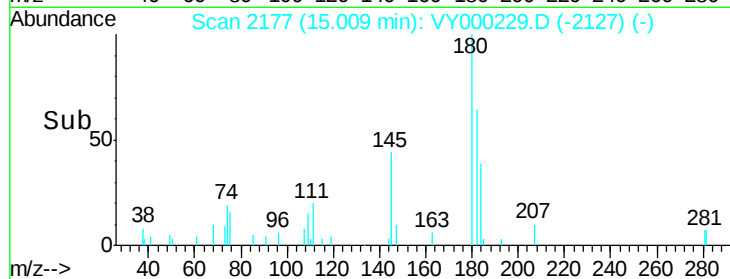
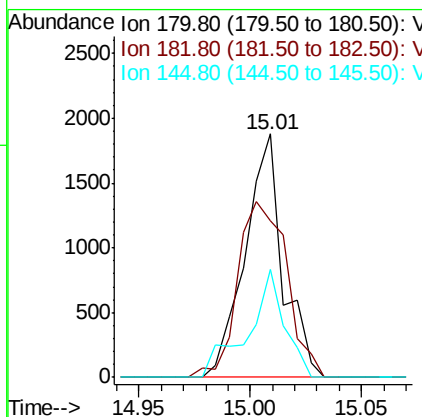
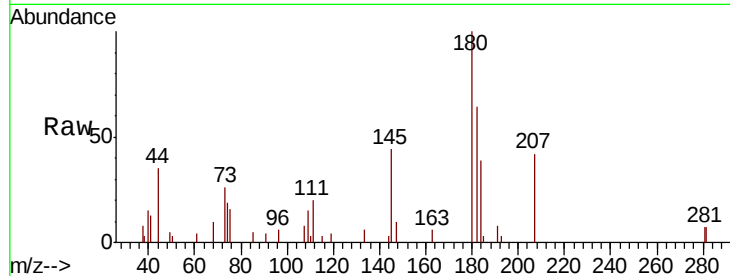
#93
 1,2,4-Trichlorobenzene
 Concen: 0.524 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	42.9	15.3	45.8

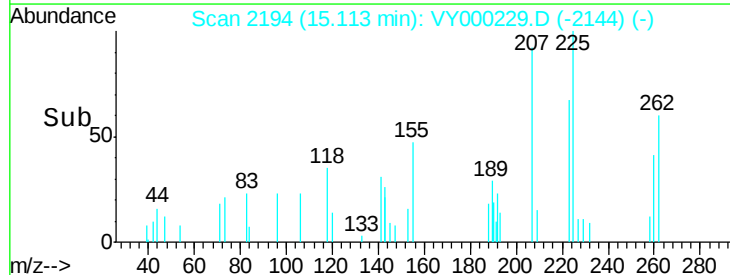
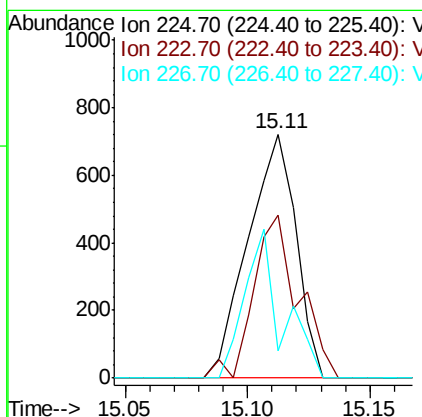
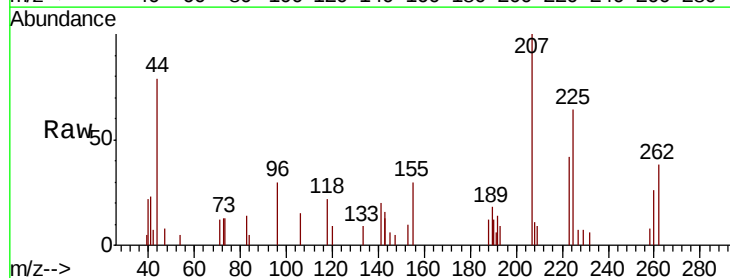
Manual Integrations
 APPROVED

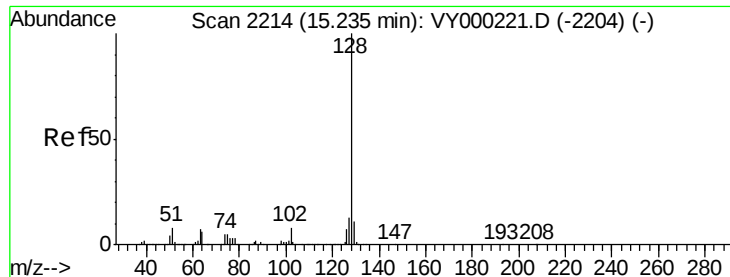
MMDadoda
 10/10/2019 12:52:26 AM



#94
 Hexachlorobutadiene
 Concen: 0.487 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY000229.D
 Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.5
227	46.8	31.5	94.5





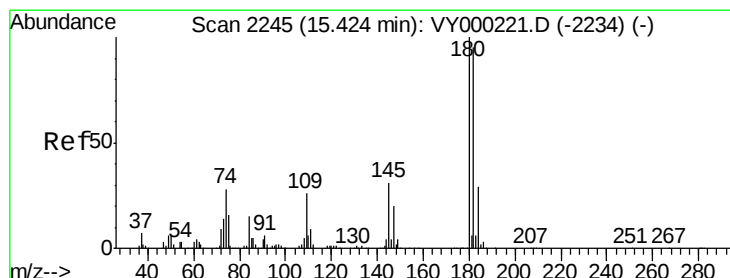
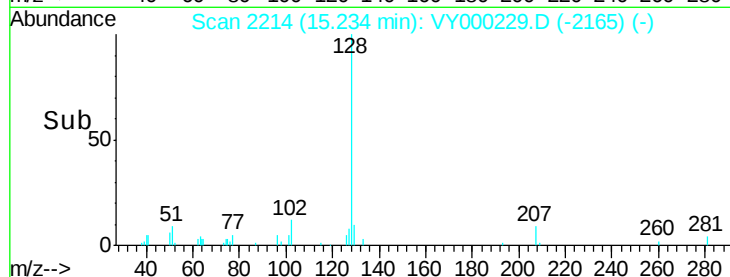
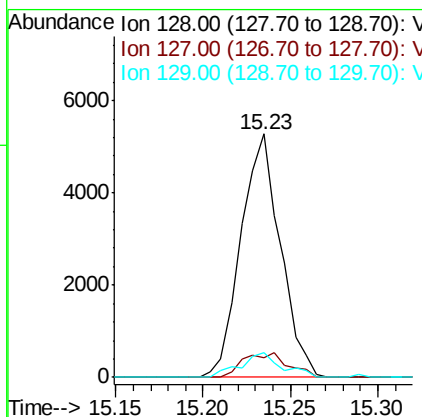
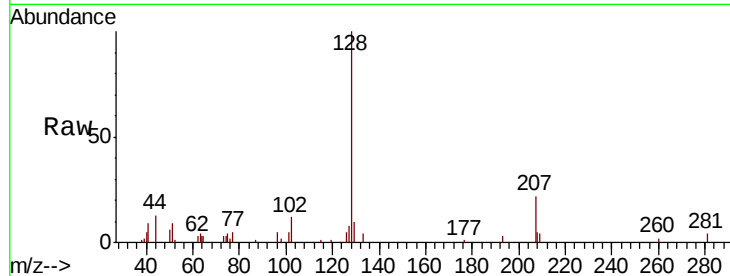
#95
Naphthalene
Concen: 0.521 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Instrument :
MSVOA_Y
ClientSampleId :
0.5PPBMDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.2	15.2
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/10/2019 12:52:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 0.527 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000229.D
Acq: 08 Oct 2019 19:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.9	143.7
145	27.6	16.3	48.9

